

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011923.D
 Acq On : 30 Aug 2019 23:31
 Operator : SY/SP
 Sample : VX0830SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:12 AM

Quant Time: Aug 31 03:15:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	307981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	158988	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	5.48	113	146538	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	8.71	98	529211	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	220267	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38649	20.792	ug/l	98
3) Chloromethane	1.31	50	43928	20.386	ug/l	98
4) Vinyl Chloride	1.40	62	41095	19.972	ug/l	99
5) Bromomethane	1.62	94	30437	21.379	ug/l	98
6) Chloroethane	1.70	64	26513	20.703	ug/l	98
7) Trichlorofluoromethane	1.92	101	68875	19.274	ug/l	99
8) Diethyl Ether	2.17	74	25620	20.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45068	19.351	ug/l	98
10) Methyl Iodide	2.50	142	41607	18.836	ug/l	100
11) Tert butyl alcohol	3.03	59	31816	112.074	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42792	19.783	ug/l	99
13) Acrolein	2.28	56	13782	97.541	ug/l	96
14) Allyl chloride	2.72	41	81643	20.121	ug/l	99
15) Acrylonitrile	3.12	53	75136	111.383	ug/l	99
16) Acetone	2.43	43	63240	99.609	ug/l	99
17) Carbon Disulfide	2.56	76	111643	17.994	ug/l	100
18) Methyl Acetate	2.76	43	43177	24.568	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	155422	22.179	ug/l	99
20) Methylene Chloride	2.84	84	61268	19.634	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	52253	20.507	ug/l	97
22) Diisopropyl ether	3.84	45	180708	21.815	ug/l	95
23) Vinyl Acetate	3.80	43	557915	104.758	ug/l	100
24) 1,1-Dichloroethane	3.69	63	97453	21.334	ug/l	99
25) 2-Butanone	4.65	43	98360	106.372	ug/l	95
26) 2,2-Dichloropropane	4.56	77	74730	19.505	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	66236	22.069	ug/l	99
28) Bromochloromethane	5.00	49	43295	21.122	ug/l	98
29) Tetrahydrofuran	5.12	42	64387	111.560	ug/l	99
30) Chloroform	5.19	83	107091	21.926	ug/l	96
31) Cyclohexane	5.56	56	69847	18.957	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	90464	20.851	ug/l	99
36) 1,1-Dichloropropene	5.78	75	66584	18.668	ug/l	99
37) Ethyl Acetate	4.82	43	43064	20.397	ug/l	99
38) Carbon Tetrachloride	5.77	117	80069	19.356	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	75912	17.869	ug/l	98
40) Benzene	6.13	78	217164	20.398	ug/l	98
41) Methacrylonitrile	5.03	41	27073	21.778	ug/l	98
42) 1,2-Dichloroethane	6.18	62	77267	21.341	ug/l	100
43) Isopropyl Acetate	6.43	43	87971	20.552	ug/l	99
44) Trichloroethene	7.20	130	65867	19.996	ug/l	97
45) 1,2-Dichloropropane	7.51	63	57016	20.474	ug/l	100
46) Dibromomethane	7.65	93	34508	20.879	ug/l	99
47) Bromodichloromethane	7.89	83	85338	20.823	ug/l	98
48) Methyl methacrylate	7.76	41	43726	20.995	ug/l	100
49) 1,4-Dioxane	7.73	88	12789	446.540	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	229272	105.435	ug/l	100
52) Toluene	8.78	92	142379	20.215	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86356	20.570	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	95665	20.300	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50802	20.996	ug/l	99
56) Ethyl methacrylate	9.17	69	69376	20.659	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84010	20.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167216	104.547	ug/l	99
59) 2-Hexanone	9.48	43	162261	105.047	ug/l	100
60) Dibromochloromethane	9.57	129	67762	20.852	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50433	21.023	ug/l	99
64) Tetrachloroethene	9.33	164	70145	20.214	ug/l	99
65) Chlorobenzene	10.14	112	170139	20.352	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	69887	20.673	ug/l	99
67) Ethyl Benzene	10.25	91	282719	19.882	ug/l	100
68) m/p-Xylenes	10.35	106	222901	40.595	ug/l	99
69) o-Xylene	10.70	106	109243	20.417	ug/l	99
70) Styrene	10.71	104	195587	20.739	ug/l	99
71) Bromoform	10.85	173	49744	20.810	ug/l #	98
73) Isopropylbenzene	11.01	105	288303	19.793	ug/l	100
74) N-amyl acetate	10.89	43	86594	20.033	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	61574	20.655	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	54568m	21.882	ug/l	
77) Bromobenzene	11.25	156	88326	20.908	ug/l	98
78) n-propylbenzene	11.35	91	327206	19.810	ug/l	99
79) 2-Chlorotoluene	11.42	91	202699	20.388	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	252581	20.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18955	19.095	ug/l	99
82) 4-Chlorotoluene	11.51	91	244443	20.380	ug/l	100
83) tert-Butylbenzene	11.76	119	256609	20.115	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	258440	20.058	ug/l	100
85) sec-Butylbenzene	11.94	105	290090	19.577	ug/l	99
86) p-Isopropyltoluene	12.06	119	280894	19.550	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	161410	20.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	162222	20.439	ug/l	99
89) n-Butylbenzene	12.39	91	243142	19.127	ug/l	99
90) Hexachloroethane	12.59	117	54189	19.495	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150510	20.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12923	21.763	ug/l	97

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MSVOA_X
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	122631	19.952	ug/l	100
94) Hexachlorobutadiene	13.78	225	75983	18.511	ug/l	98
95) Naphthalene	13.83	128	217691	20.637	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115107	20.710	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

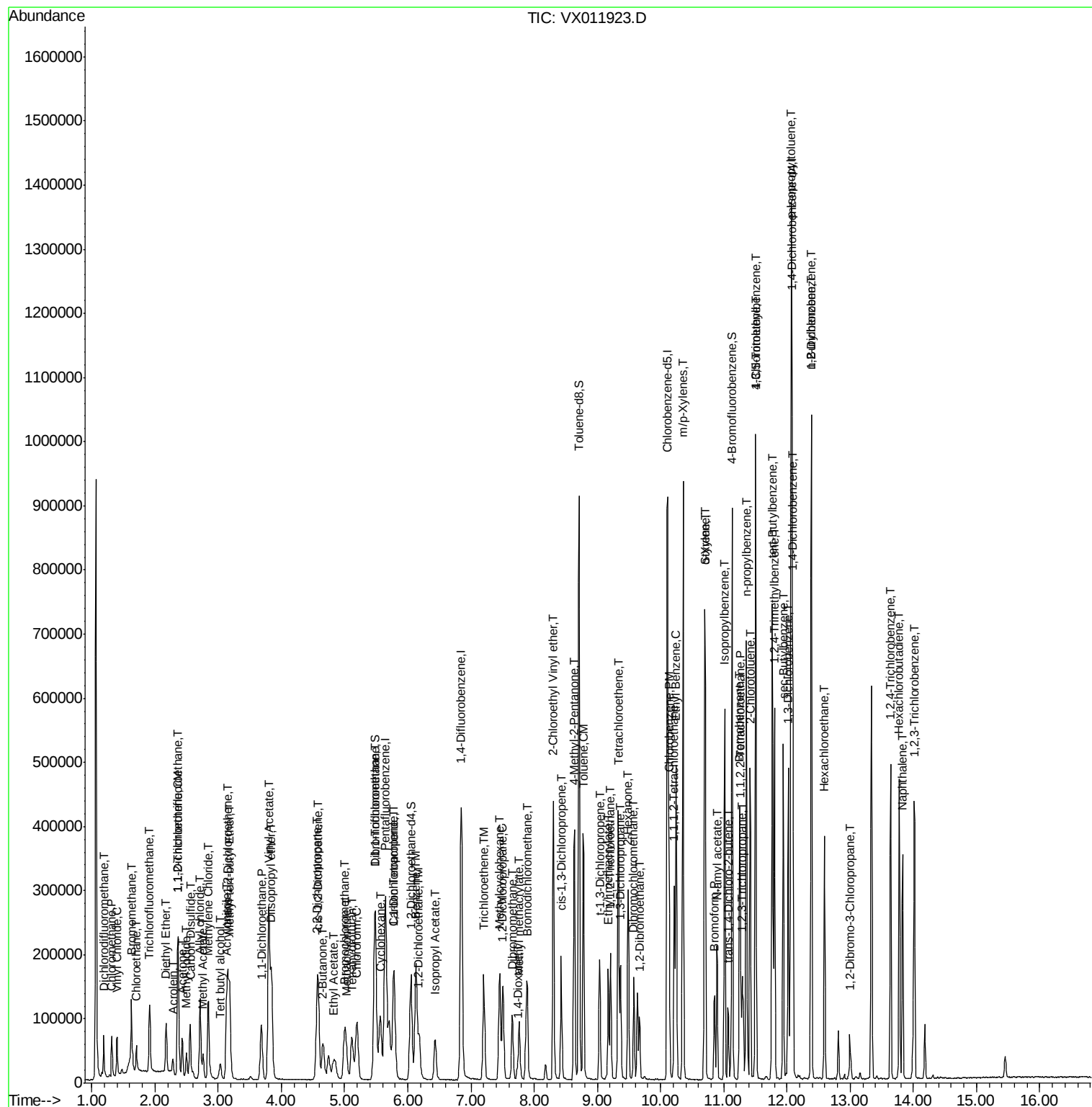
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 Data File : VX011923.D
 Acq On : 30 Aug 2019 23:31
 Operator : SY/SP
 Sample : VX0830SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
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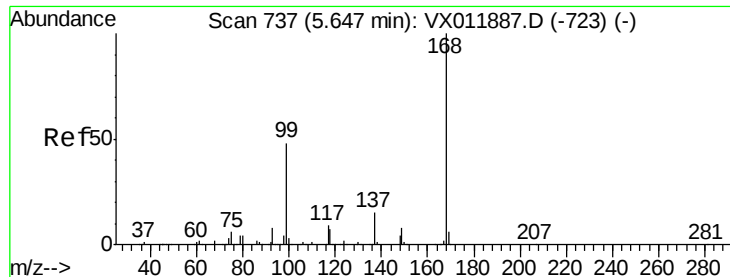
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:168 Resp: 307981

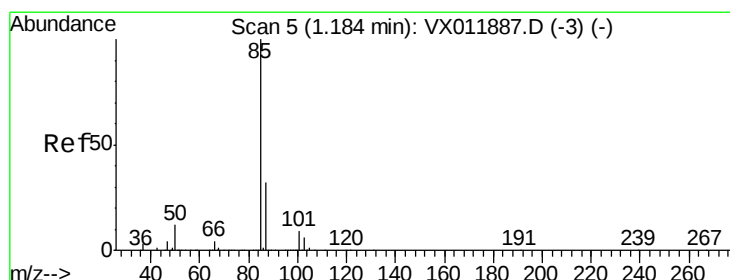
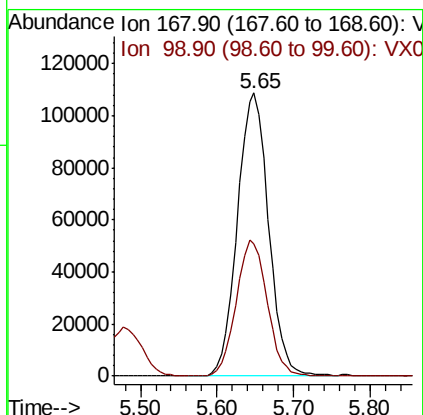
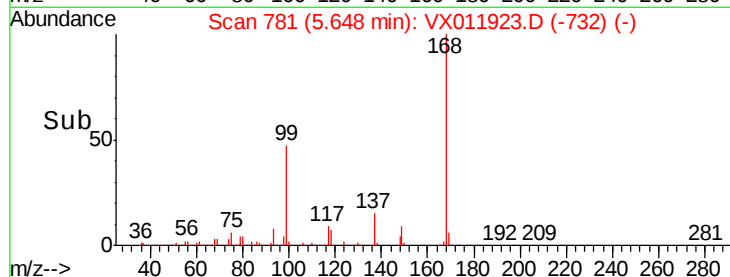
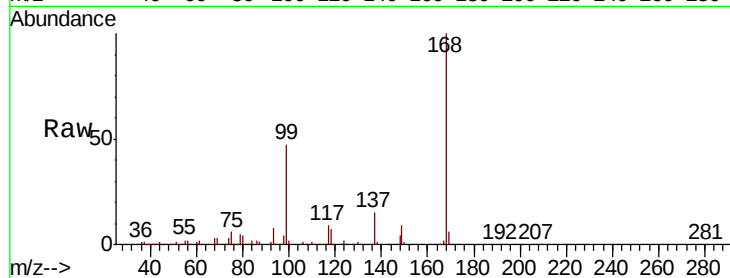
Ion Ratio Lower Upper

168 100

99 46.6 38.4 57.6

Manual Integrations
APPROVED

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#2

Dichlorodifluoromethane

Concen: 20.792 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011923.D

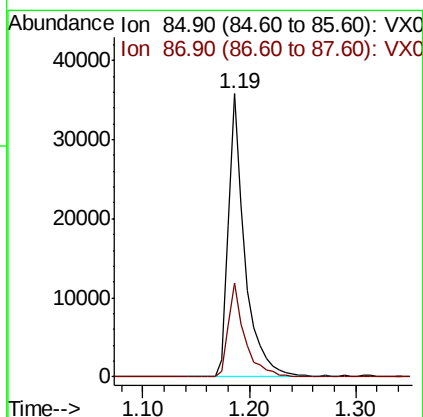
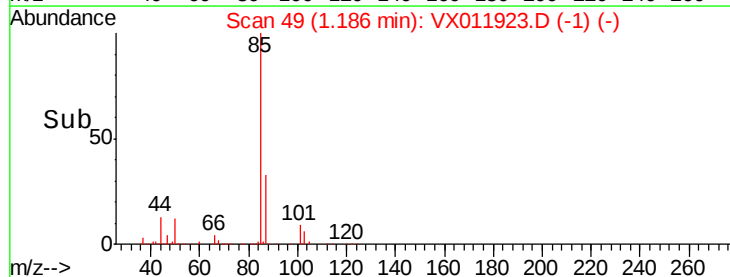
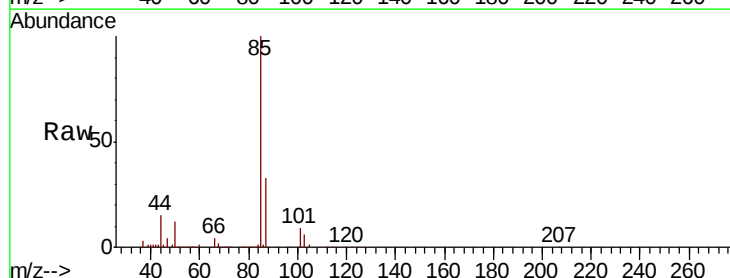
Acq: 30 Aug 2019 23:31

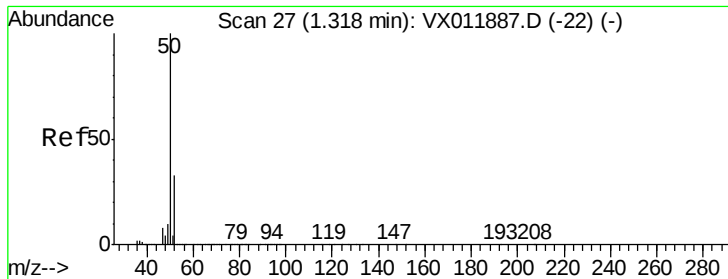
Tgt Ion: 85 Resp: 38649

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3





#3

Chloromethane

Concen: 20.386 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 50 Resp: 43928

Ion Ratio Lower Upper

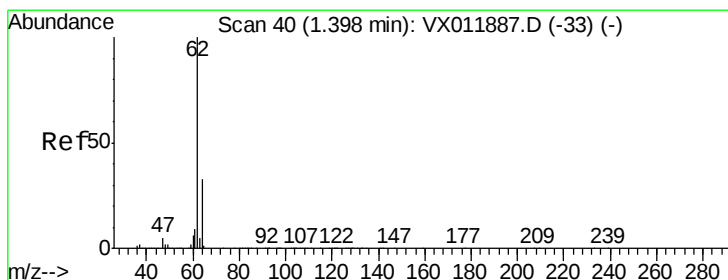
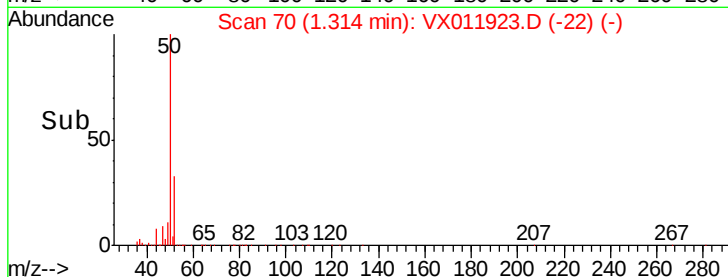
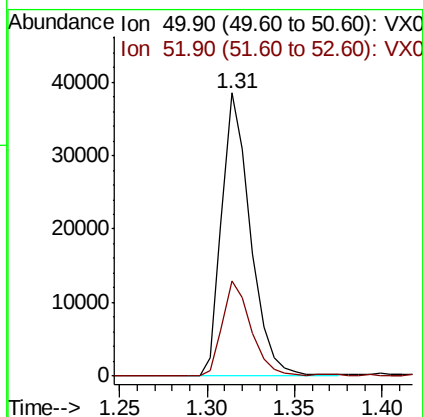
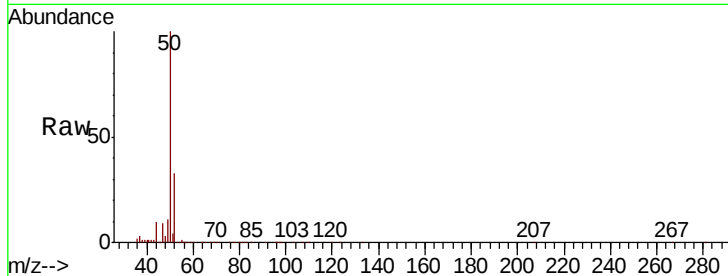
50 100

52 33.4 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.972 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011923.D

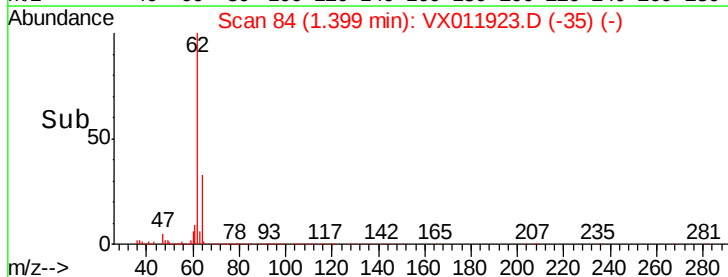
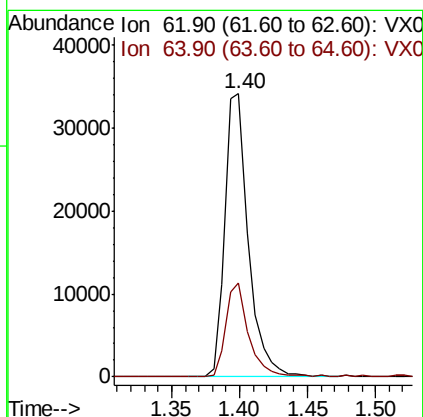
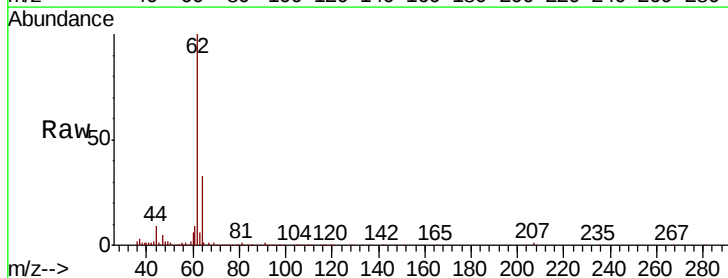
Acq: 30 Aug 2019 23:31

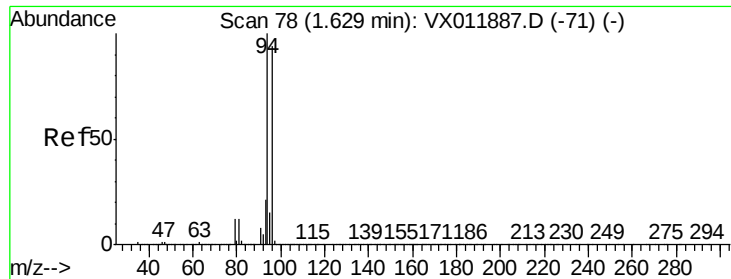
Tgt Ion: 62 Resp: 41095

Ion Ratio Lower Upper

62 100

64 32.9 26.0 39.0





#5

Bromomethane

Concen: 21.379 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 94 Resp: 30437

Ion Ratio Lower Upper

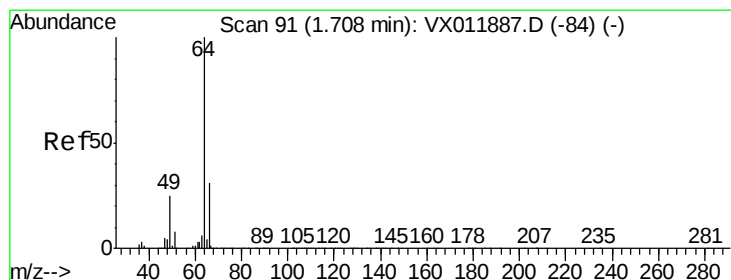
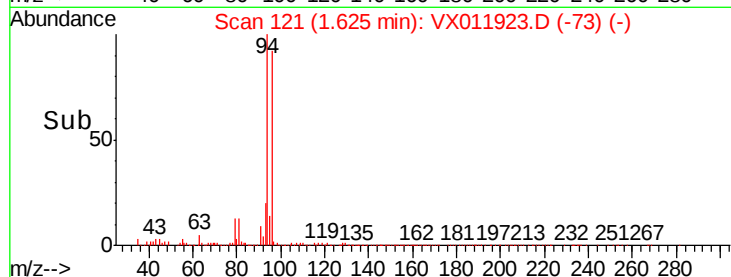
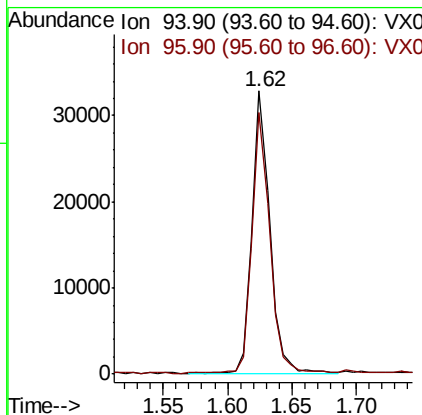
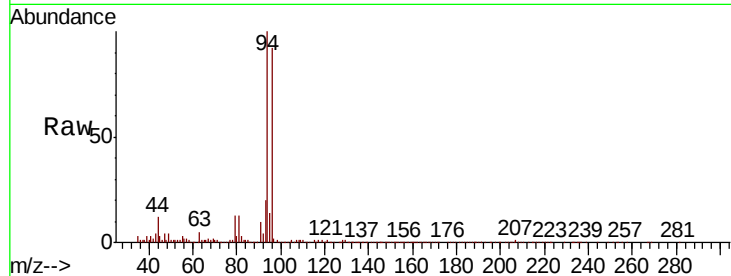
94 100

96 92.1 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 20.703 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011923.D

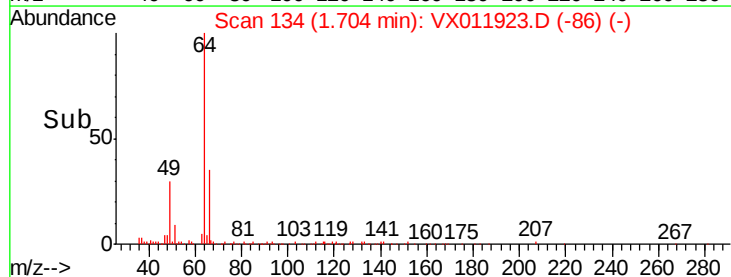
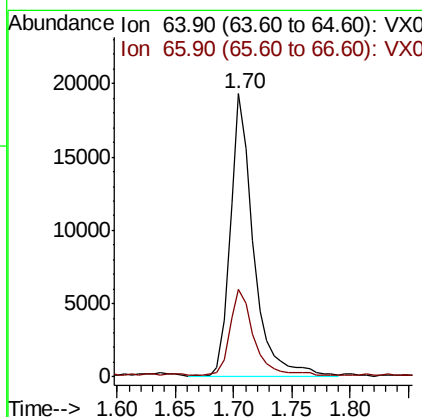
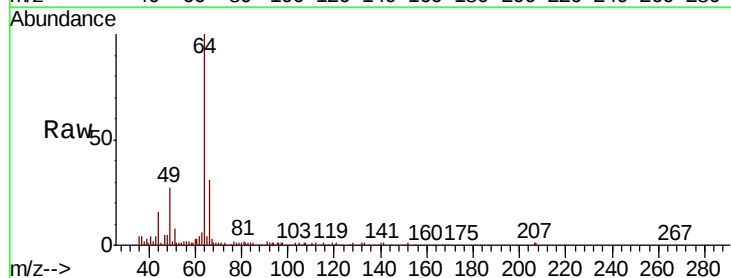
Acq: 30 Aug 2019 23:31

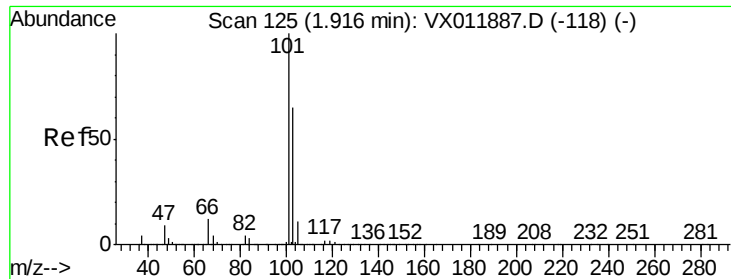
Tgt Ion: 64 Resp: 26513

Ion Ratio Lower Upper

64 100

66 30.2 25.0 37.4





#7

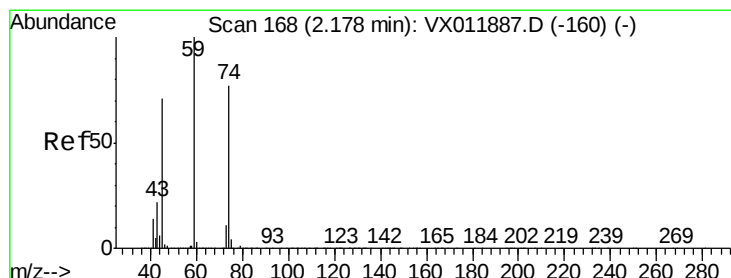
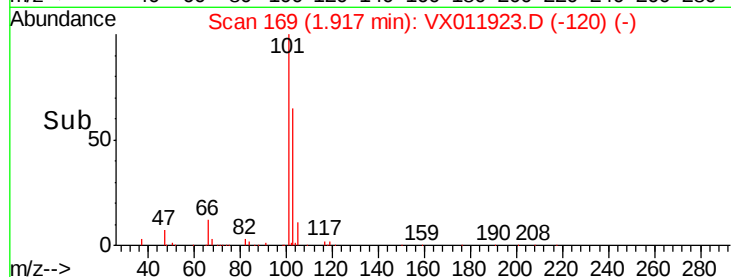
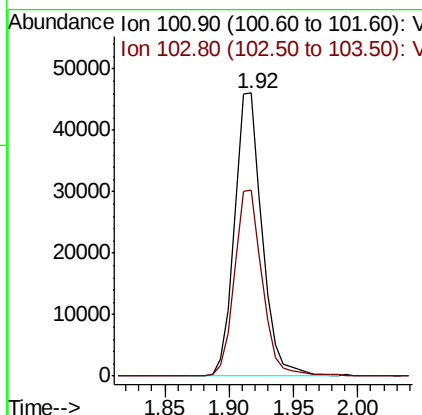
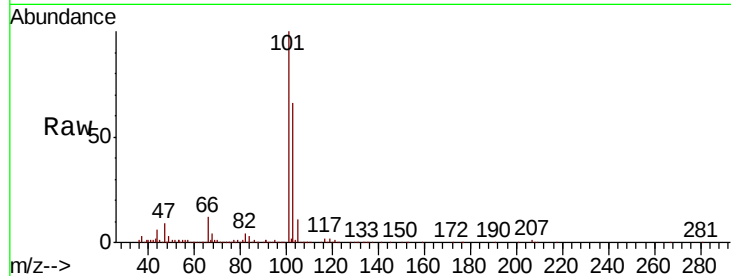
Trichlorofluoromethane
Concen: 19.274 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
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VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	68875		
103	65.4	51.6	77.4	

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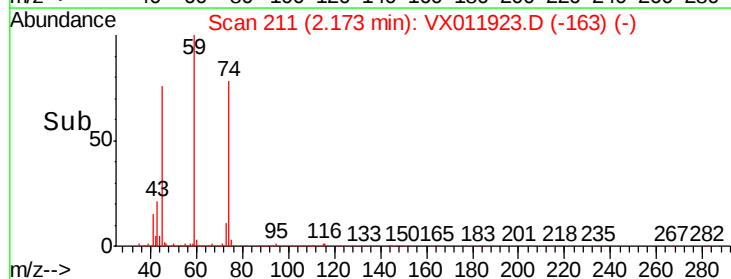
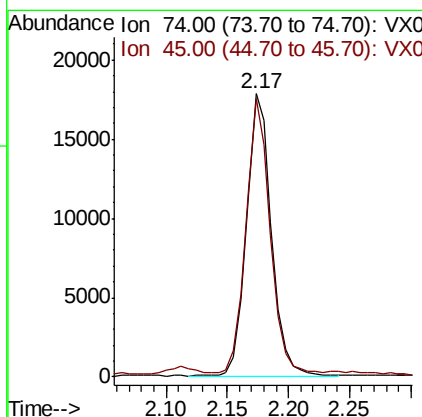
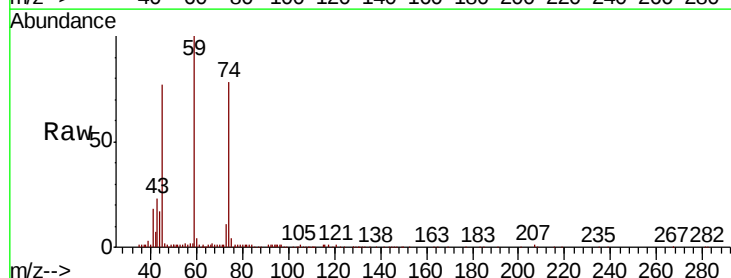
MMDadoda
9/3/2019 2:41:12 AM

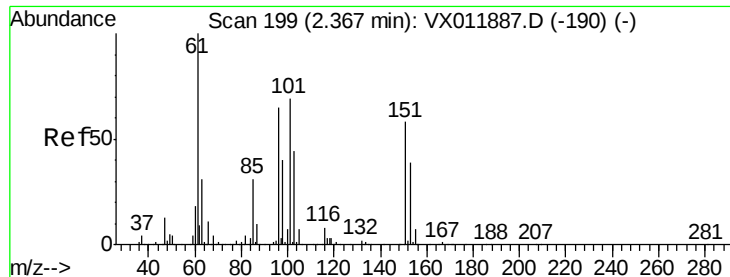


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	25620		
45	92.4	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.351 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

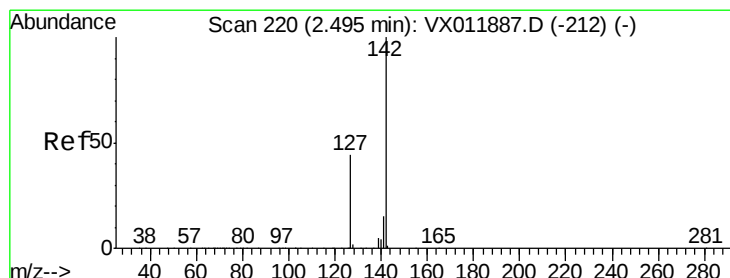
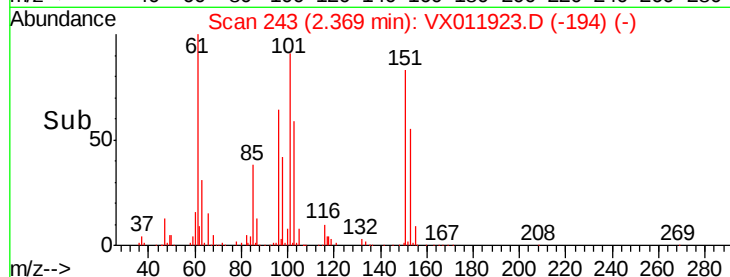
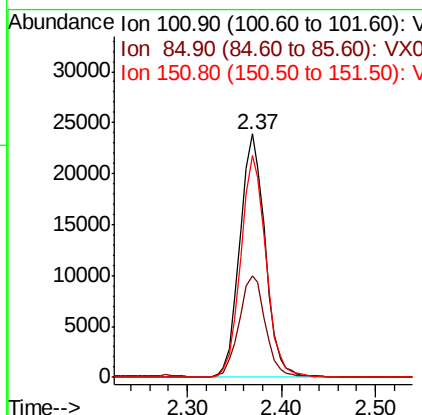
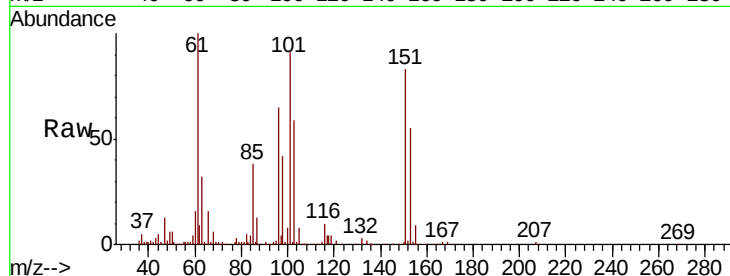
ClientSampleId :

VX0830SBS02

Tot Ion:	101	Resp:	45068
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.9	52.3
151	90.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.836 ug/l

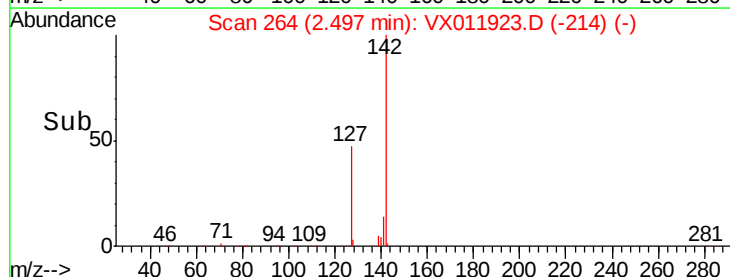
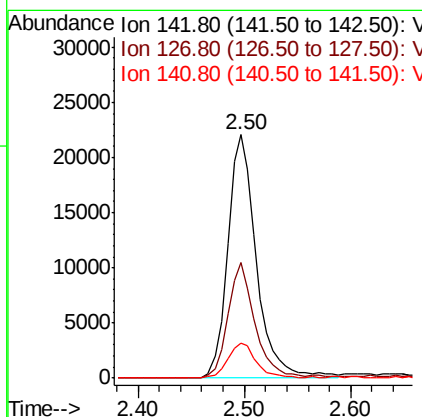
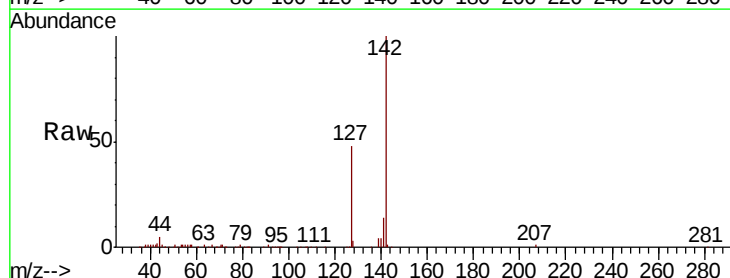
RT: 2.50 min Scan# 264

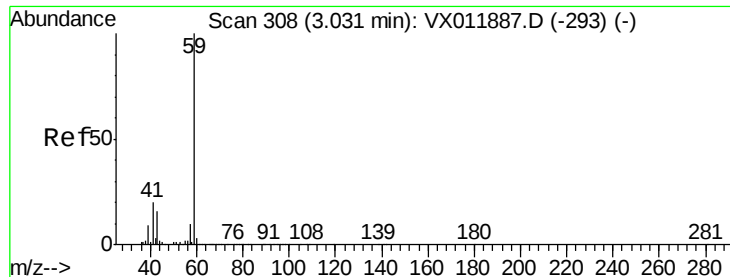
Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	142	Resp:	41607
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.7	53.5
141	14.5	11.8	17.6





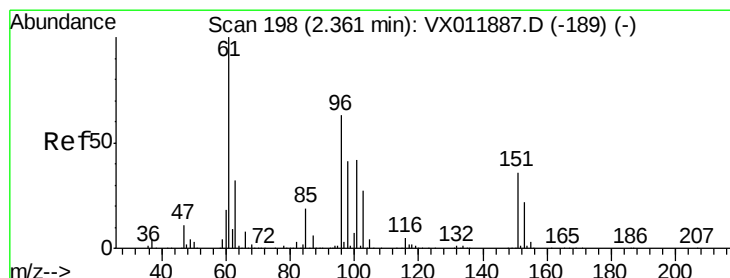
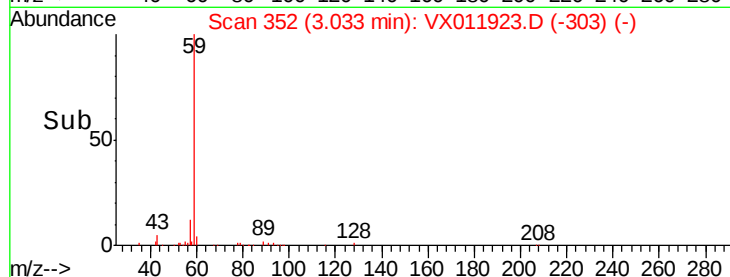
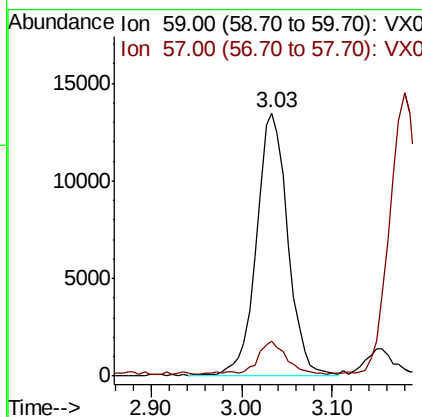
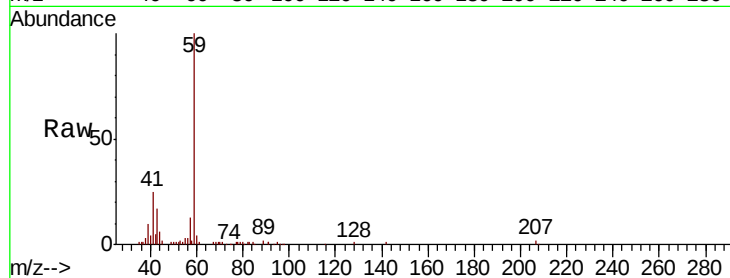
#11
Tert butyl alcohol
Concen: 112.074 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

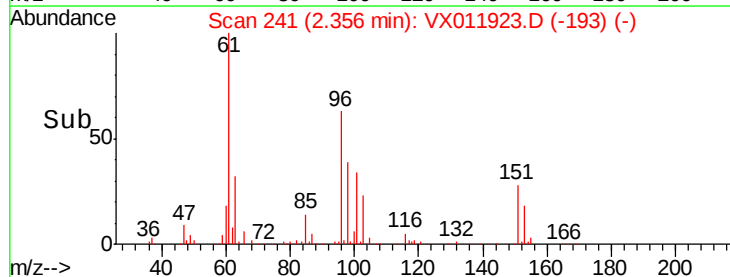
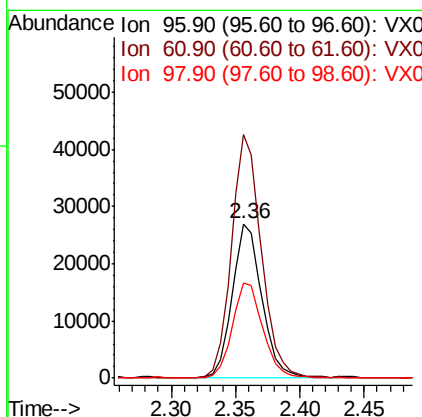
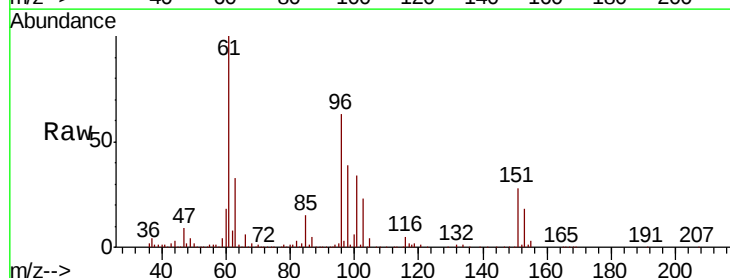
Manual Integrations
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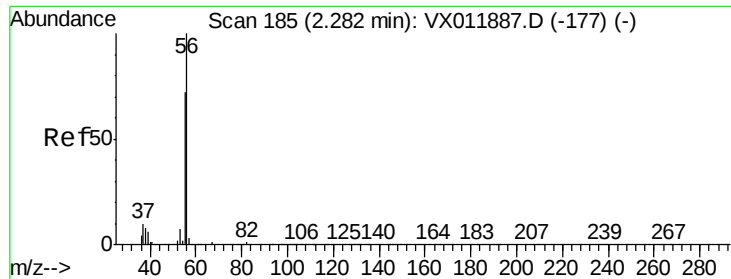
MMDadoda
9/3/2019 2:41:12 AM



#12
1,1-Dichloroethene
Concen: 19.783 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	126.6	190.0
98	61.8	51.6	77.4





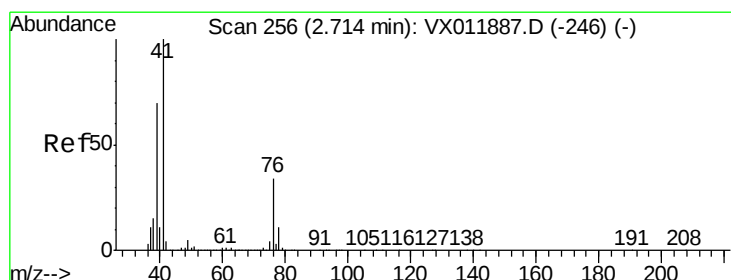
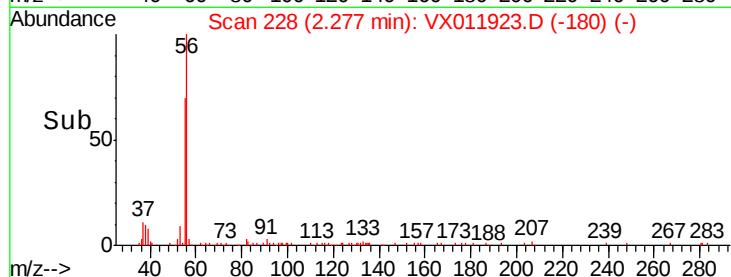
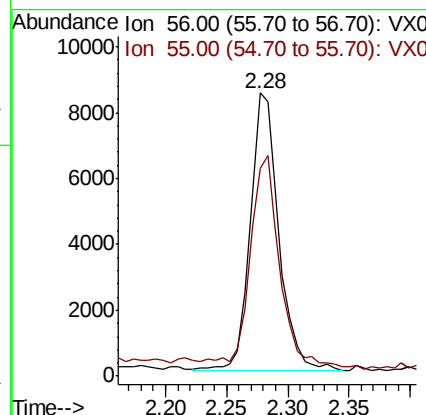
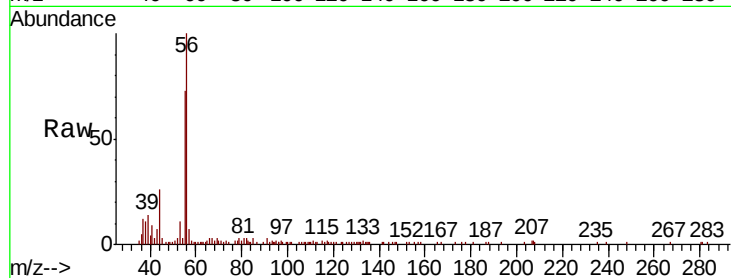
#13
Acrolein
Concen: 97.541 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.7	58.6	88.0

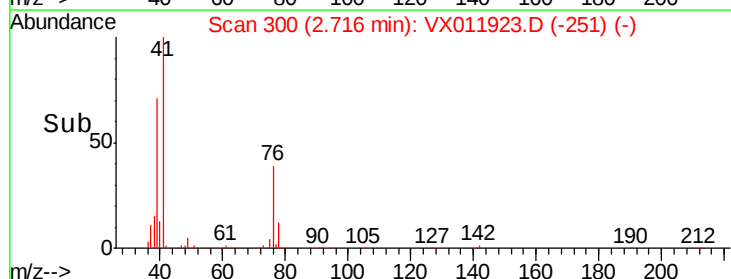
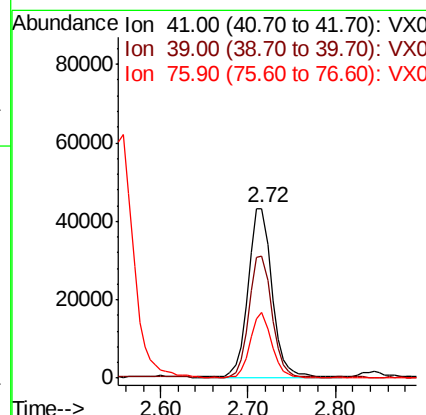
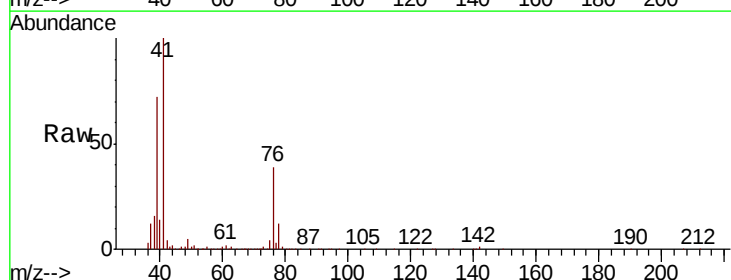
Manual Integrations
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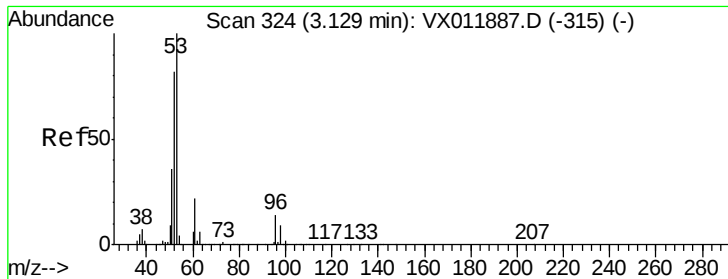
MMDadoda
9/3/2019 2:41:12 AM



#14
Allyl chloride
Concen: 20.121 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.1	55.0	82.6
76	35.5	27.0	40.4





#15

Acrylonitrile

Concen: 111.383 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

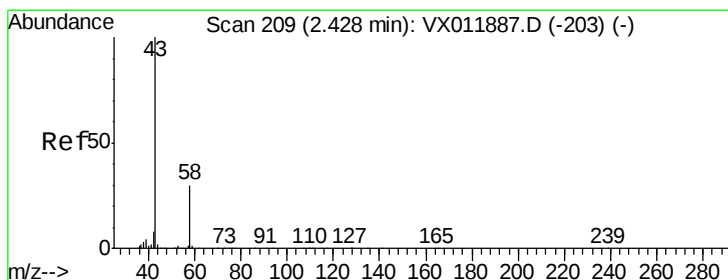
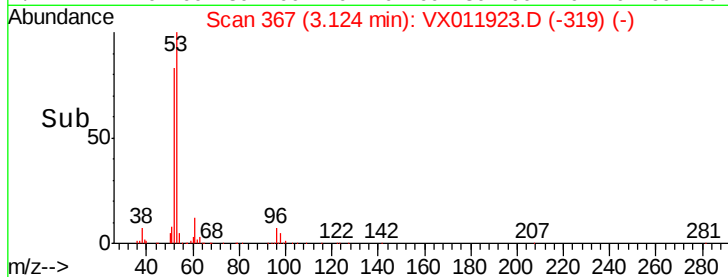
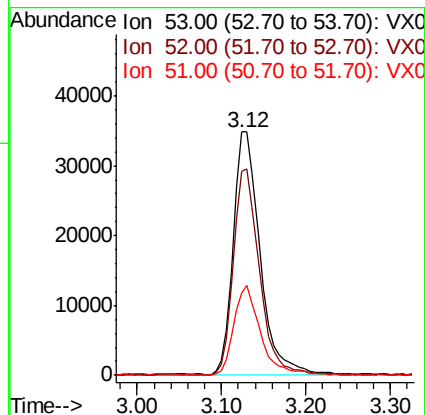
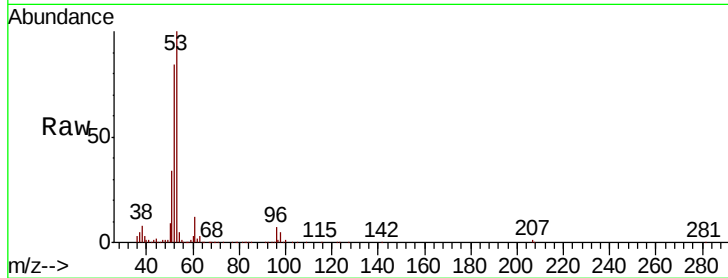
ClientSampleId :

VX0830SBS02

Tot Ion:	53	Resp:	75136
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.3	97.9
51	36.3	29.4	44.2

Manual Integrations
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MMDadoda
9/3/2019 2:41:12 AM



#16

Acetone

Concen: 99.609 ug/l

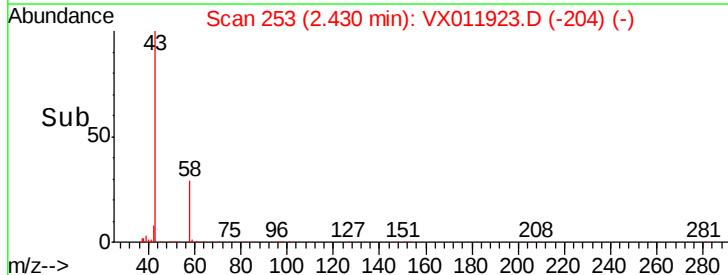
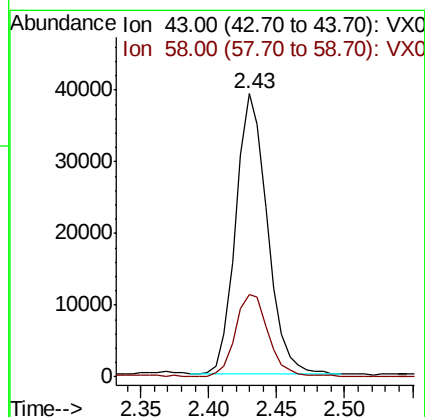
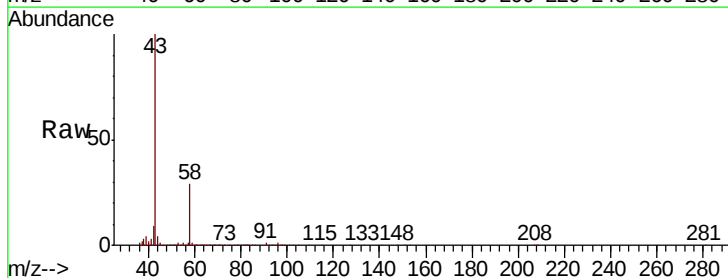
RT: 2.43 min Scan# 253

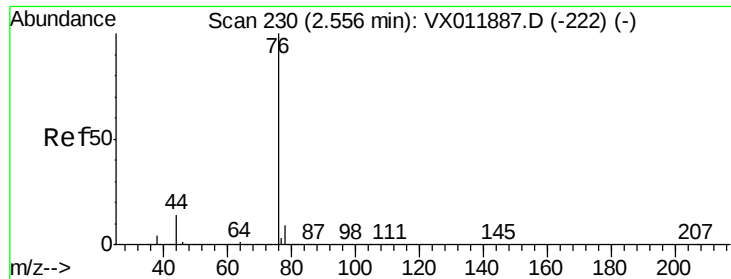
Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	43	Resp:	63240
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.8	35.8





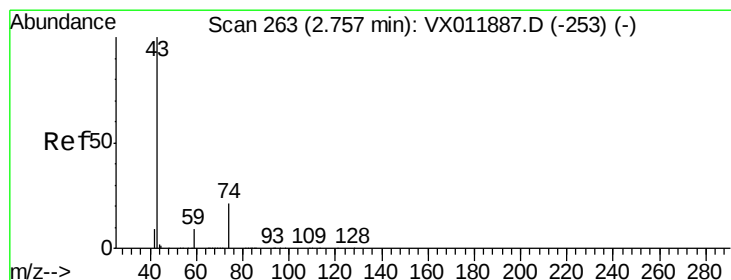
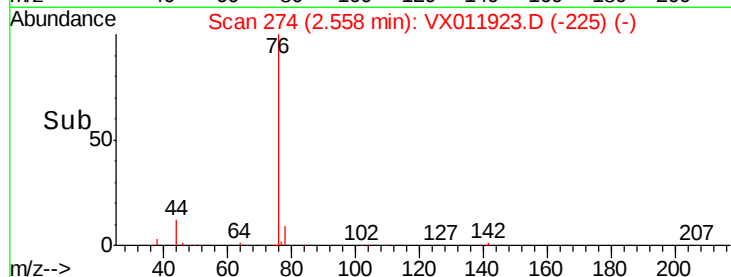
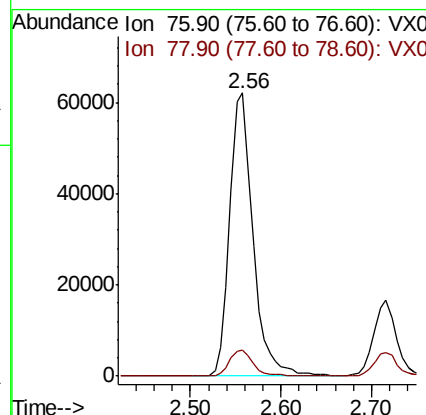
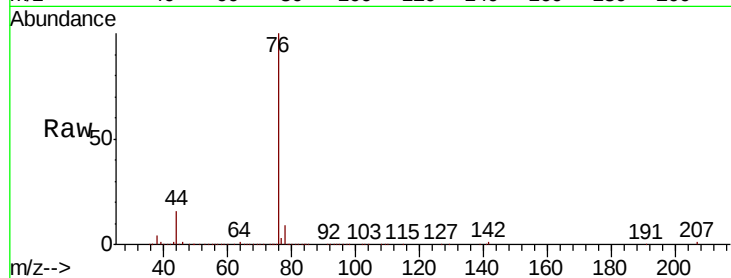
#17
Carbon Disulfide
Concen: 17.994 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

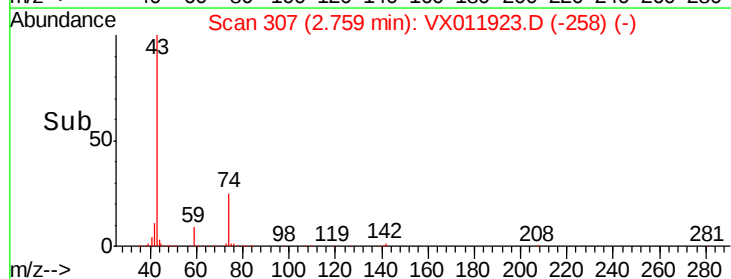
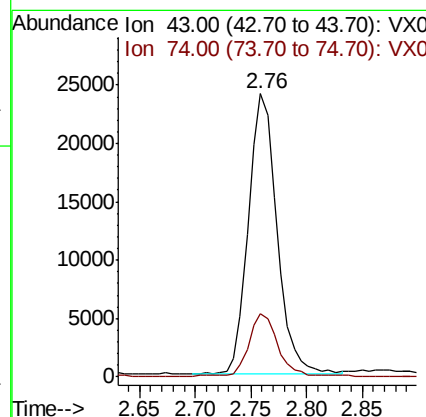
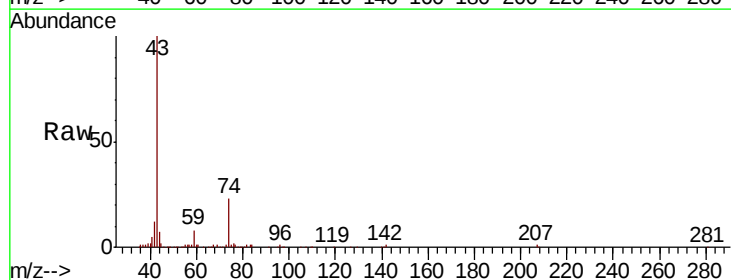
Manual Integrations
APPROVED

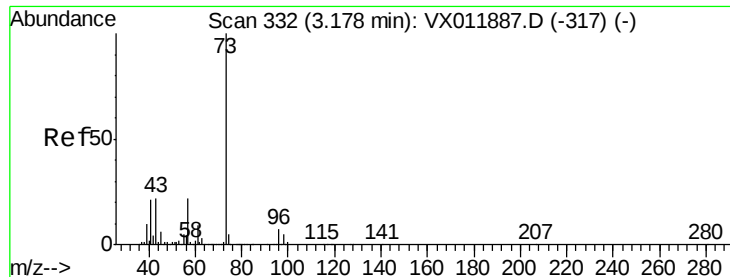
MMDadoda
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#18
Methyl Acetate
Concen: 24.568 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.4	27.6





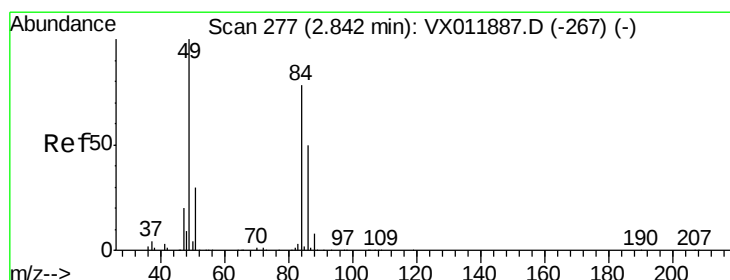
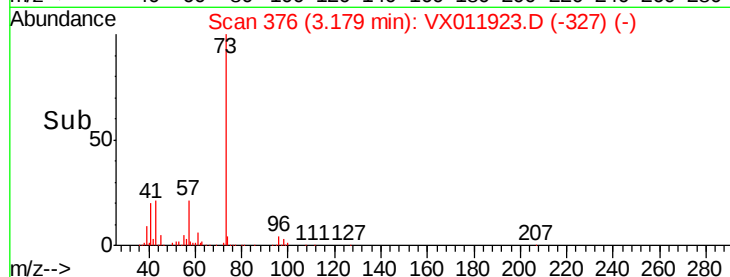
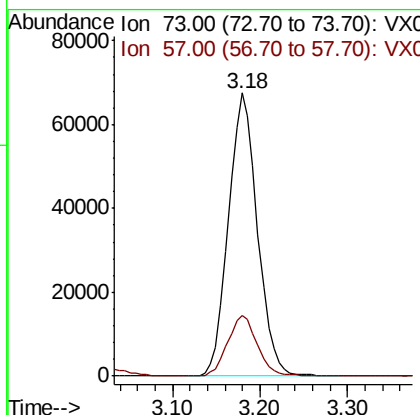
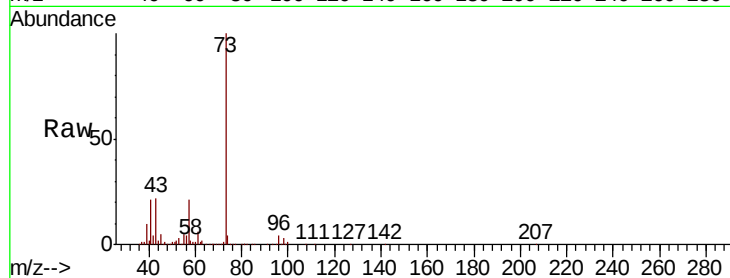
#19
Methvl tert-butvl Ether
Concen: 22.179 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0

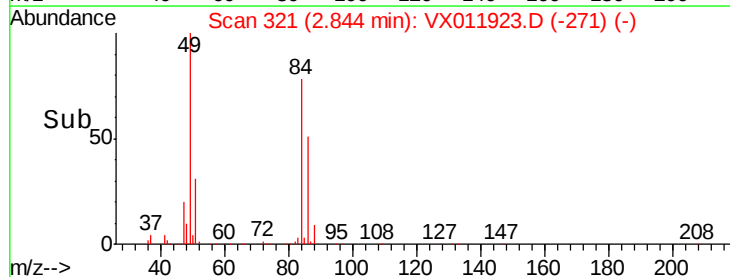
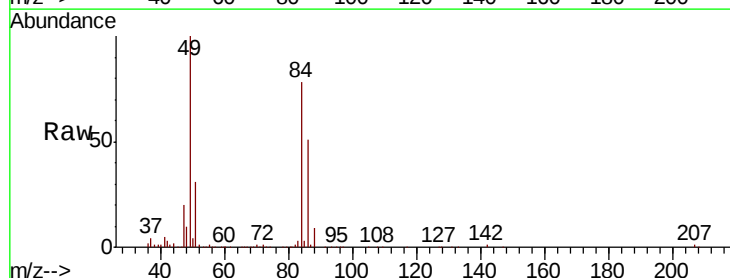
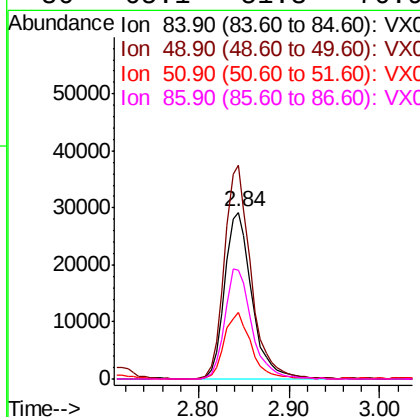
Manual Integrations
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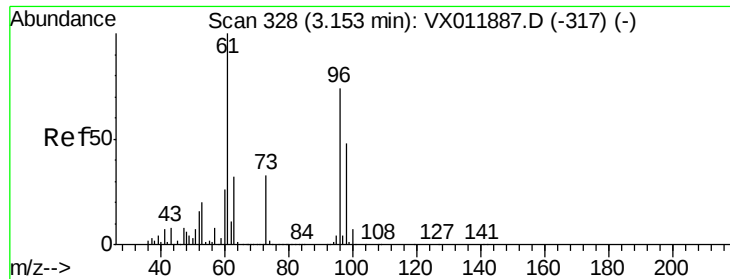
MMDadoda
9/3/2019 2:41:12 AM



#20
Methylene Chloride
Concen: 19.634 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	103.0	154.4
51	39.3	30.8	46.2
86	65.1	51.3	76.9





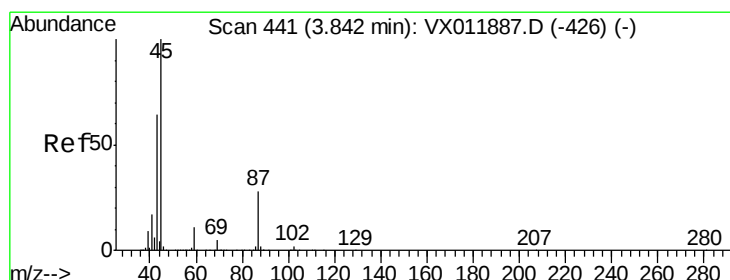
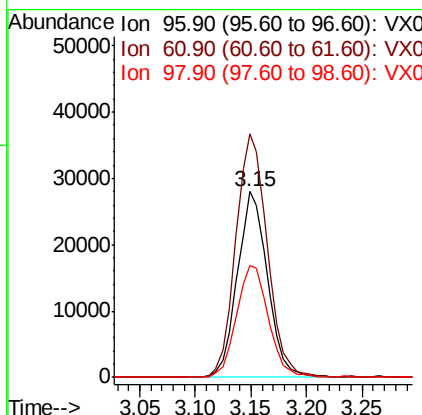
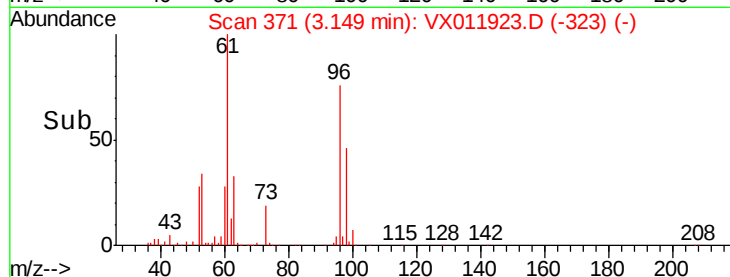
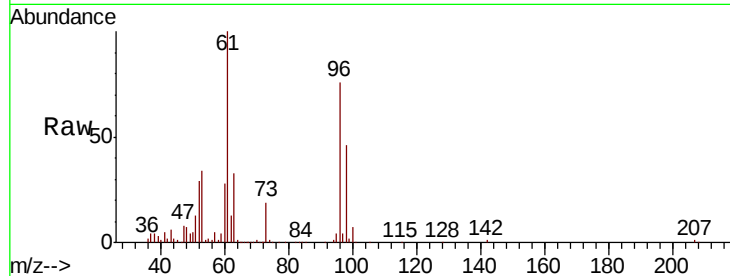
#21
trans-1,2-Dichloroethene
Concen: 20.507 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	107.4	161.2
98	60.1	51.4	77.2

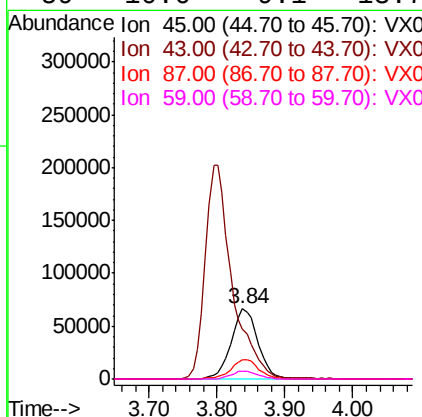
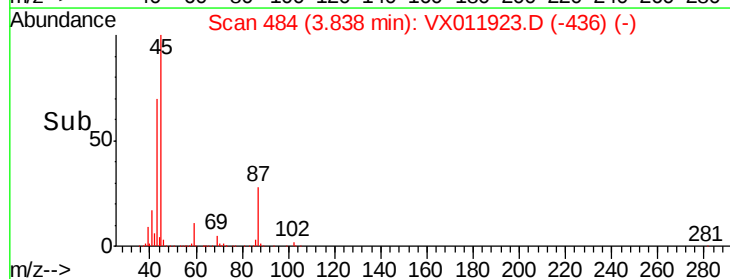
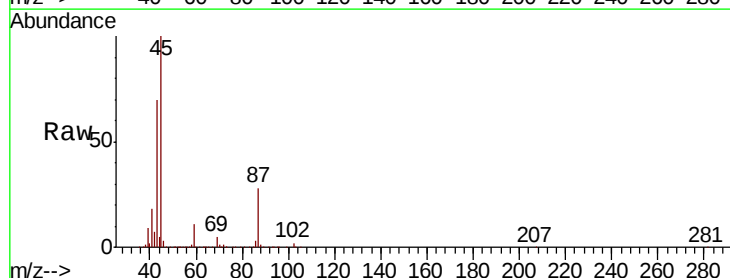
Manual Integrations
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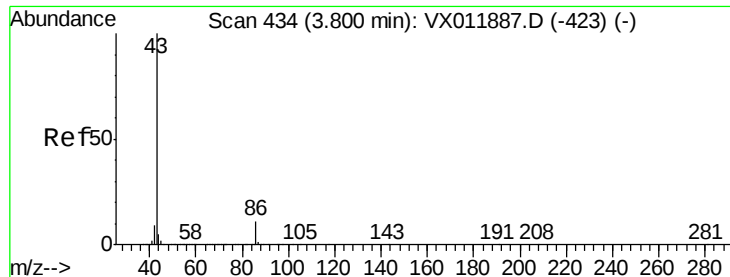
MMDadoda
9/3/2019 2:41:12 AM



#22
Diisopropyl ether
Concen: 21.815 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.8	51.0	76.6
87	27.7	22.0	33.0
59	10.6	9.1	13.7





#23

Vinyl Acetate

Concen: 104.758 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 43 Resp: 557915

Ion Ratio Lower Upper

43 100

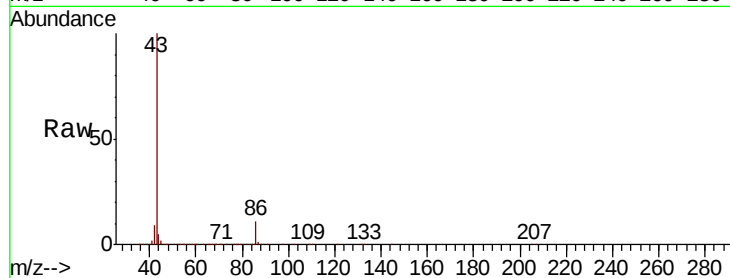
86 10.8 8.6 12.8

Manual Integrations

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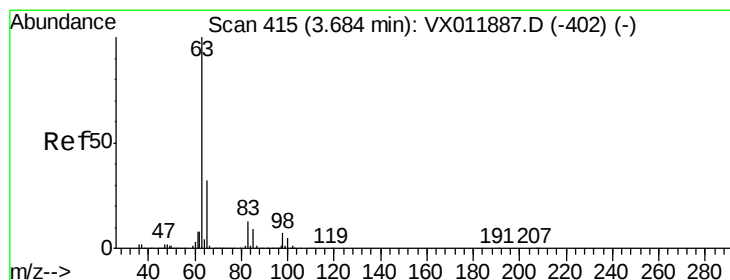
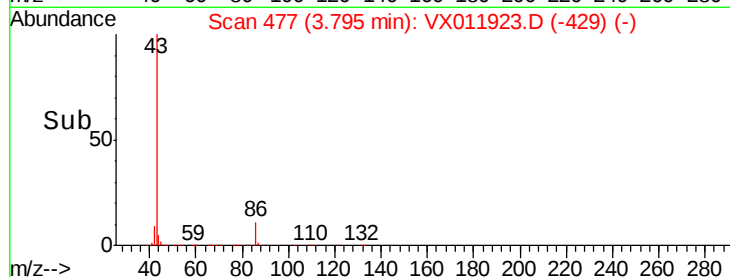
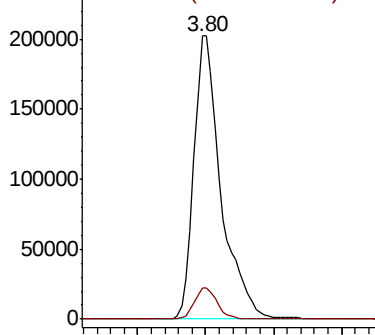
MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.334 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

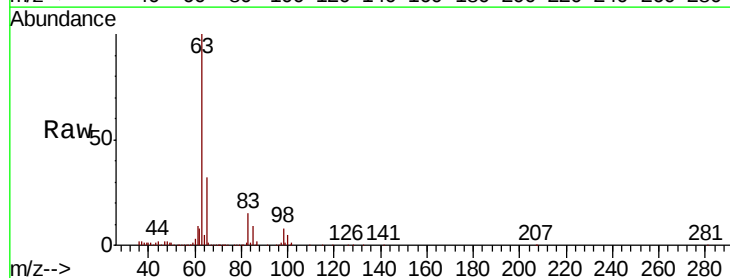
Tgt Ion: 63 Resp: 97453

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

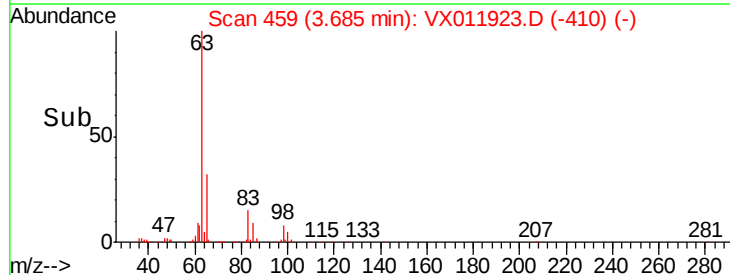
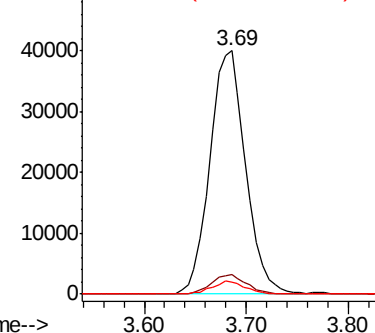
100 5.0 2.4 7.2

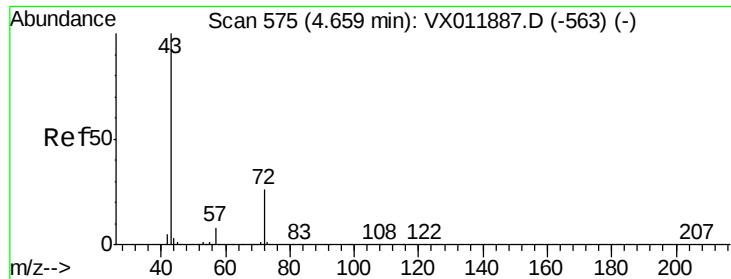


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.372 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 43 Resp: 98360

Ion Ratio Lower Upper

43 100

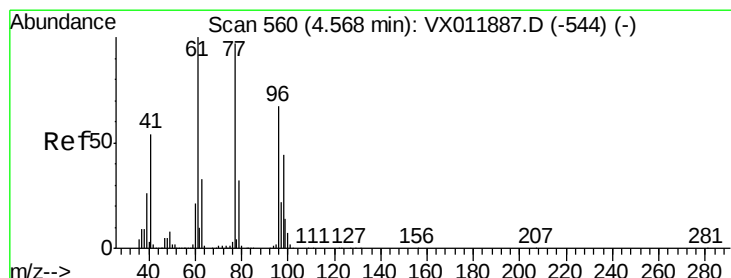
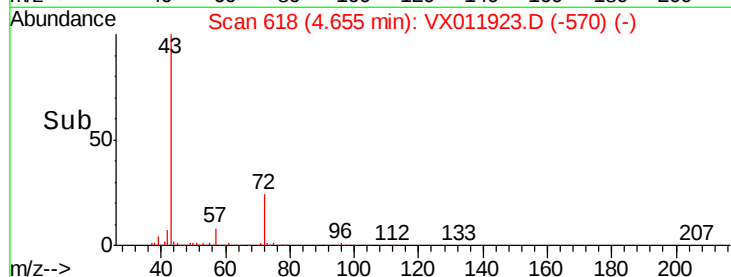
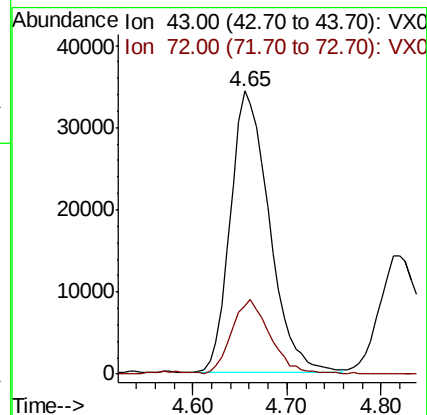
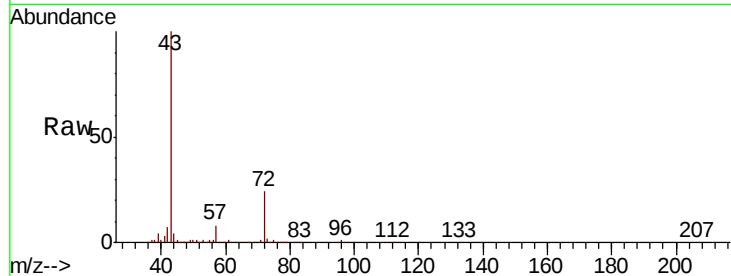
72 23.9 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.505 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011923.D

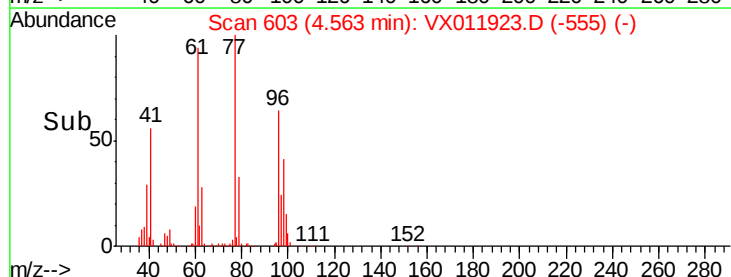
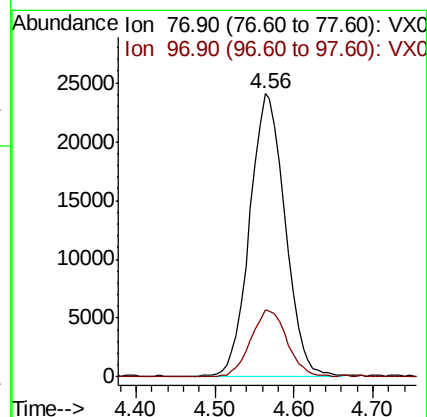
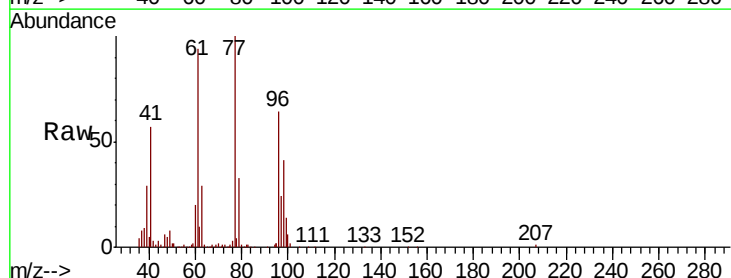
Acq: 30 Aug 2019 23:31

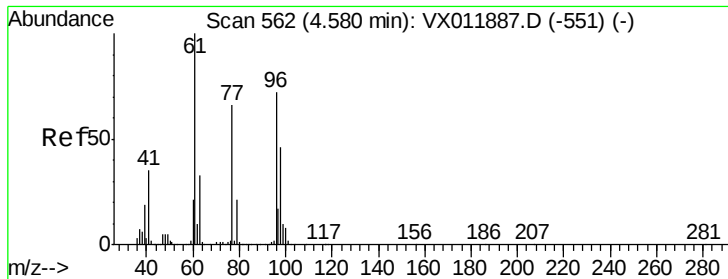
Tgt Ion: 77 Resp: 74730

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1





#27

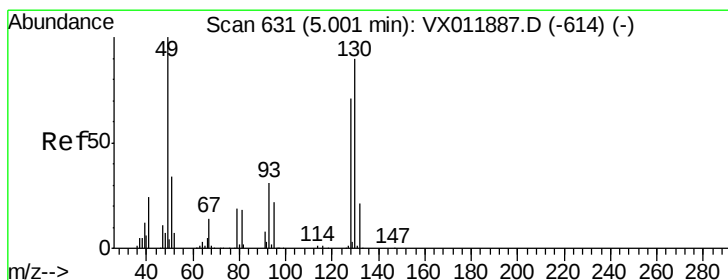
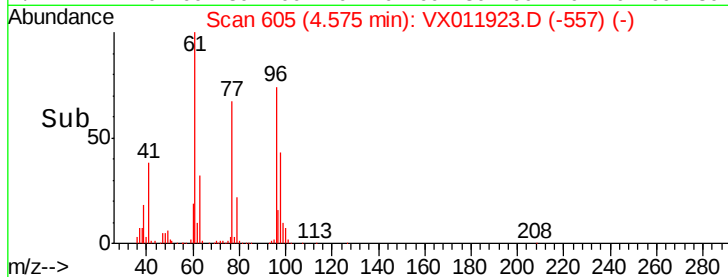
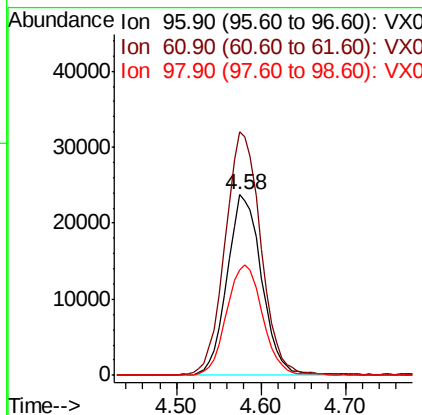
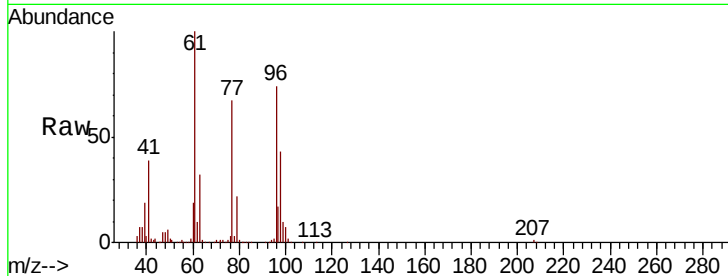
cis-1,2-Dichloroethene
Concen: 22.069 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66236		
61	140.7		0.0	283.8
98	63.7		0.0	131.2

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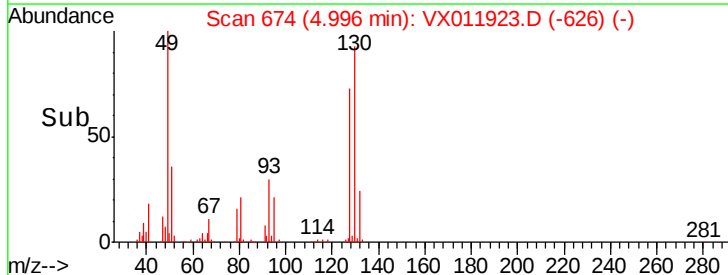
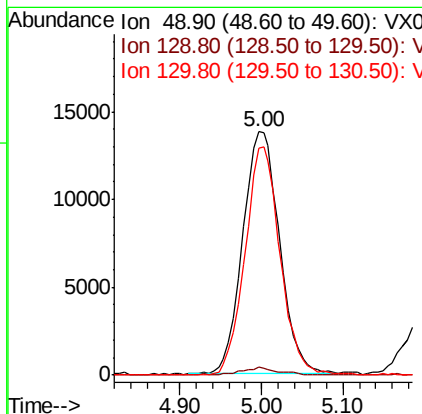
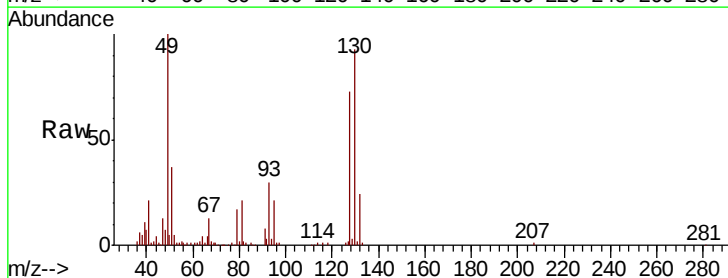
MMDadoda
9/3/2019 2:41:12 AM

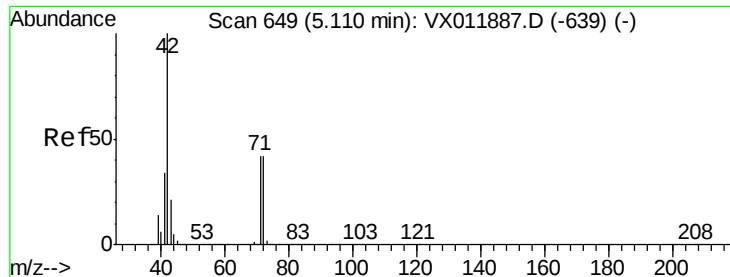


#28

Bromochloromethane
Concen: 21.122 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43295		
129	3.1		0.0	4.8
130	90.2		70.6	105.8





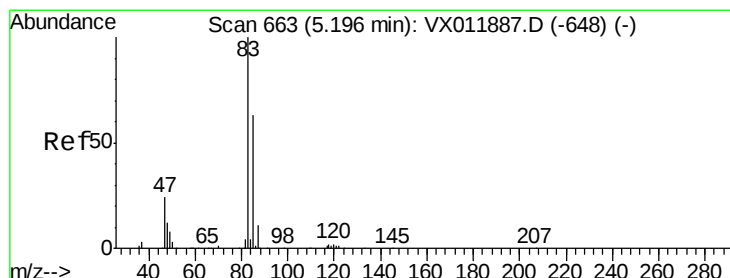
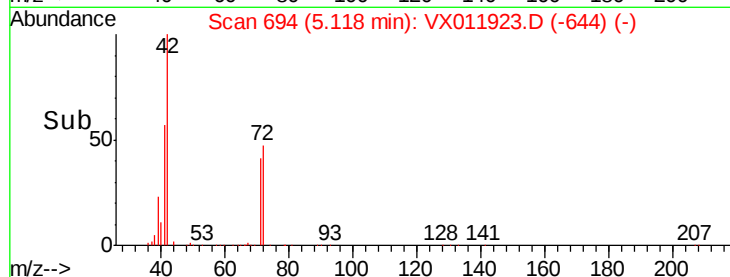
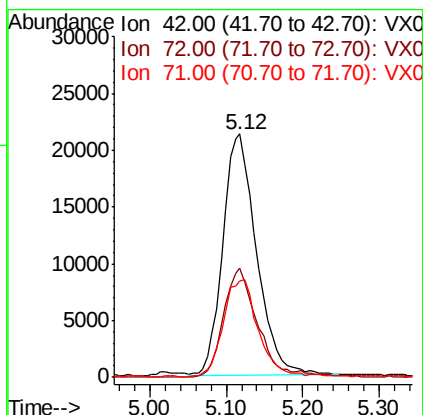
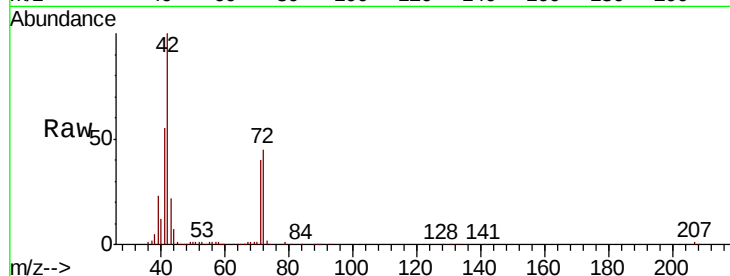
#29
Tetrahydrofuran
Concen: 111.560 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.2	54.4
71	41.4	33.1	49.7

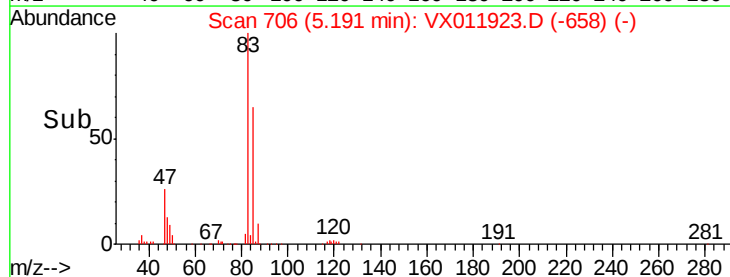
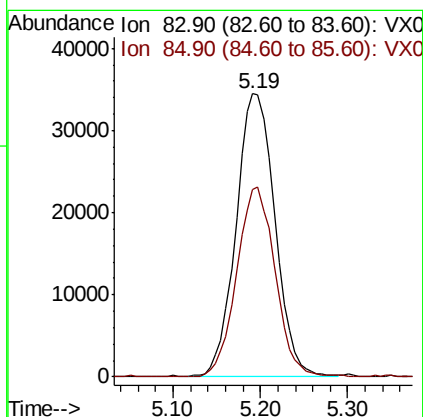
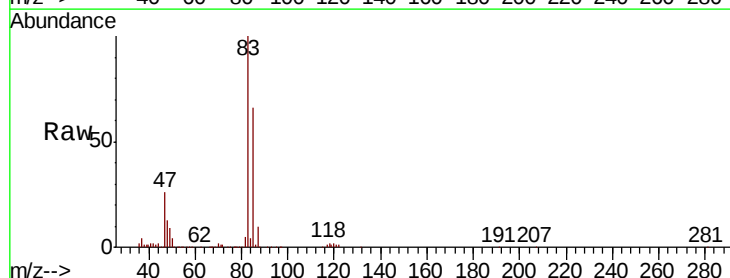
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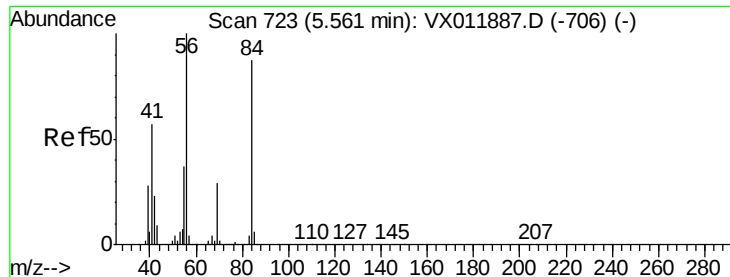
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#30
Chloroform
Concen: 21.926 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.6	75.8





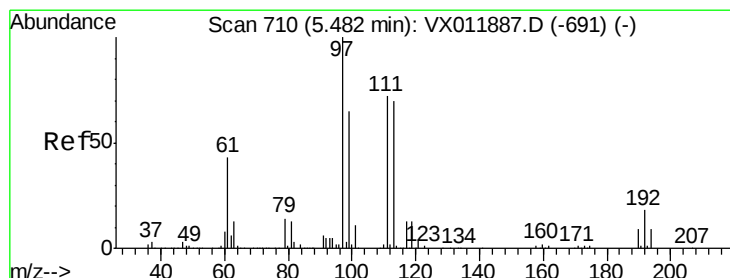
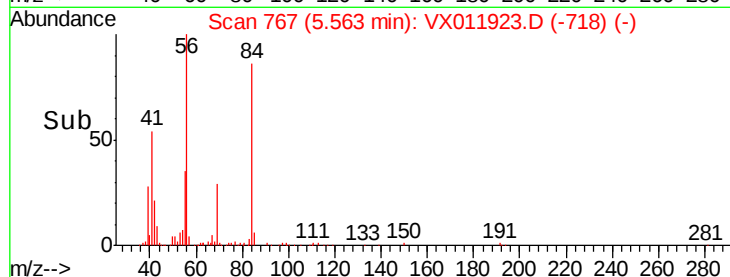
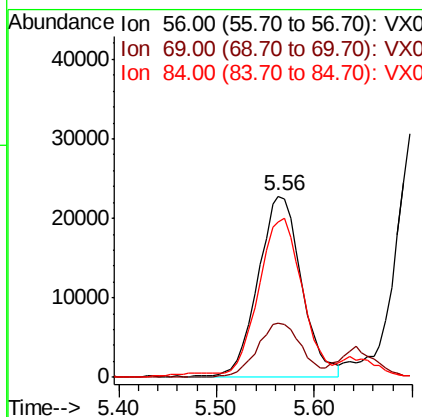
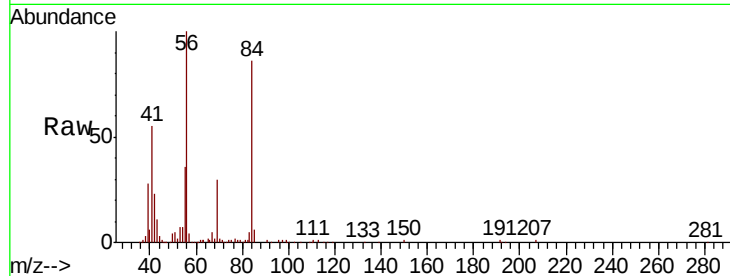
#31
Cyclohexane
Concen: 18.957 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	83.9	69.6	104.4

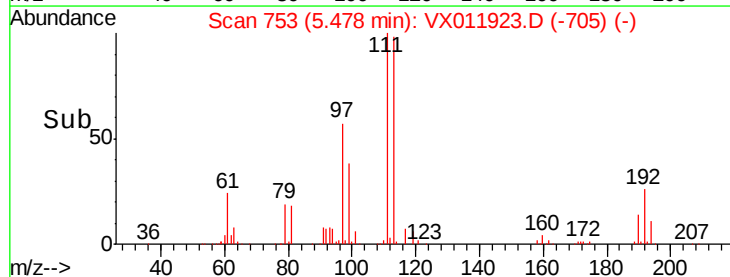
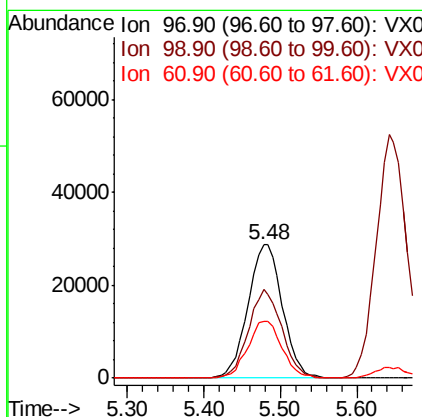
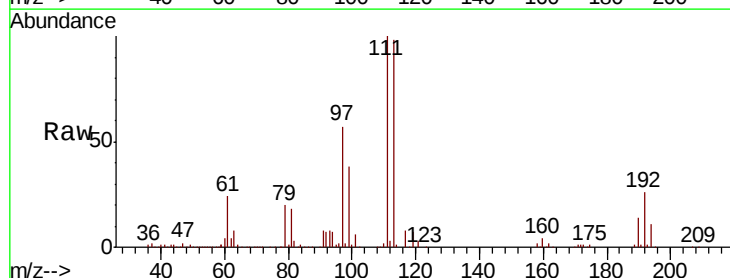
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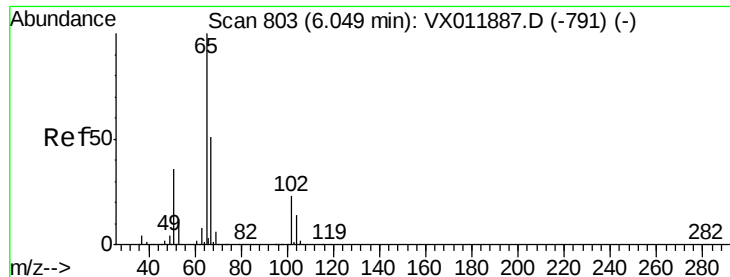
MMDadoda
9/3/2019 2:41:12 AM



#32
1,1,1-Trichloroethane
Concen: 20.851 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	42.6	33.8	50.6





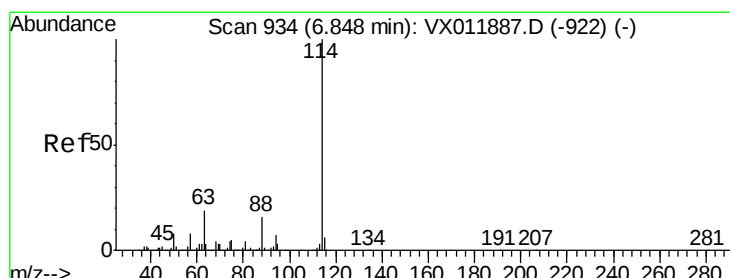
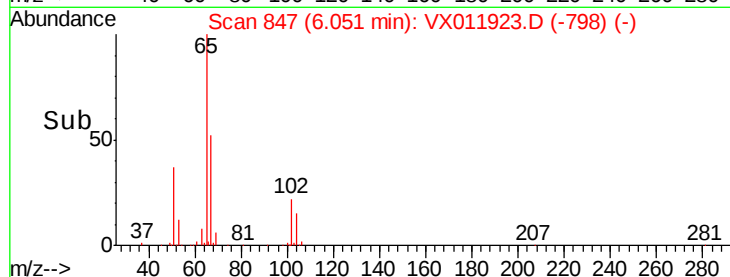
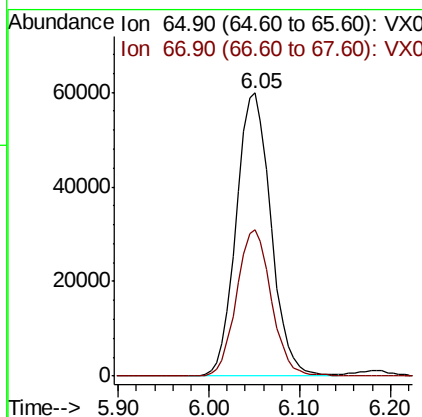
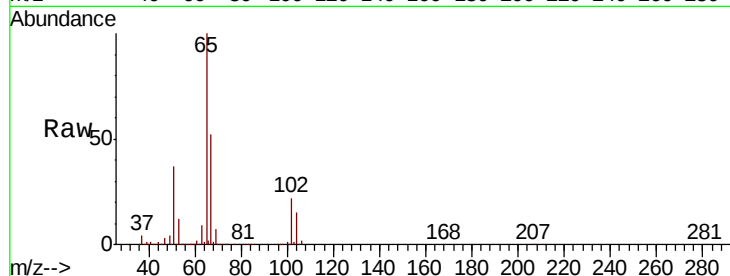
#33
 1,2-Dichloroethane-d4
 Concen: 53.880 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	102.2	

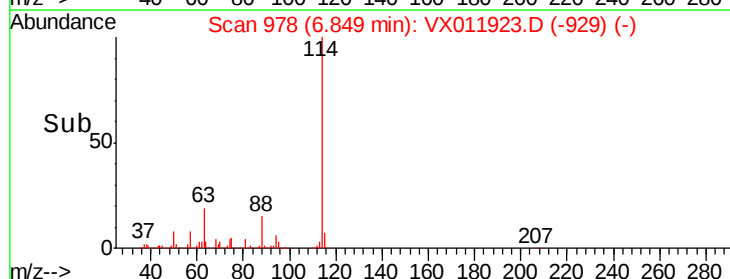
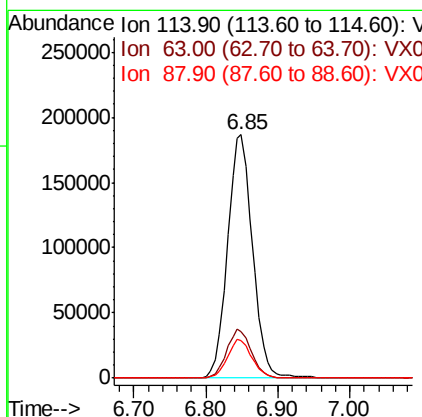
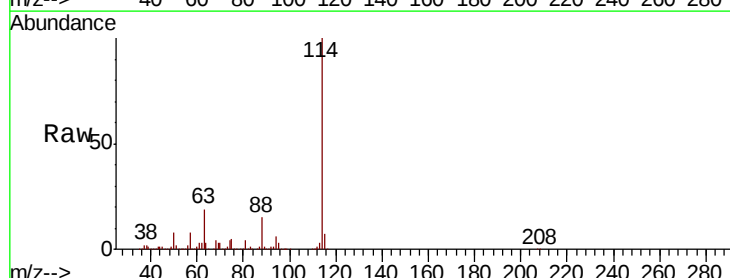
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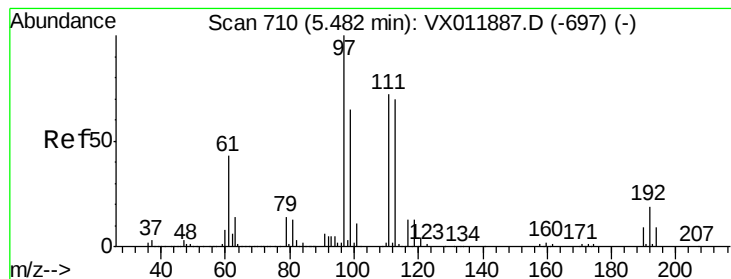
MMDadoda
 9/3/2019 2:41:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	38.8	
88	15.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.760 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

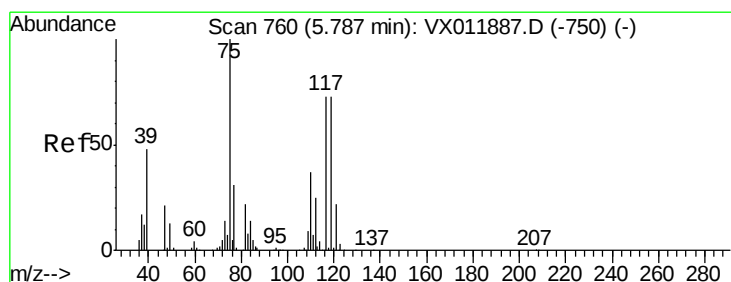
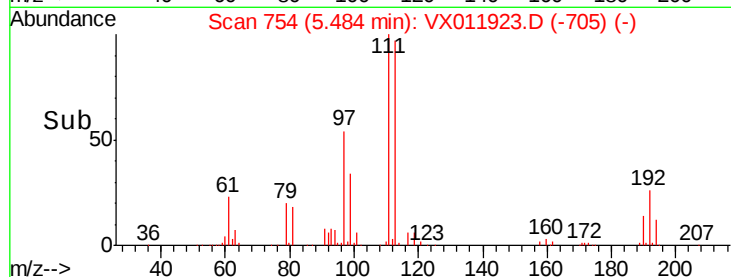
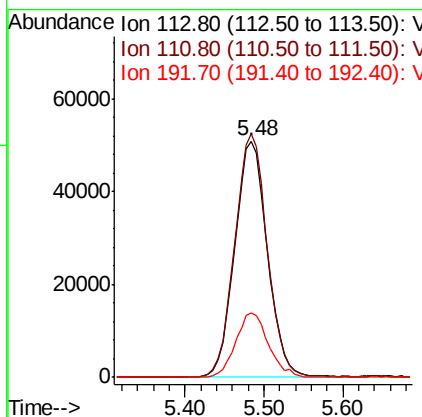
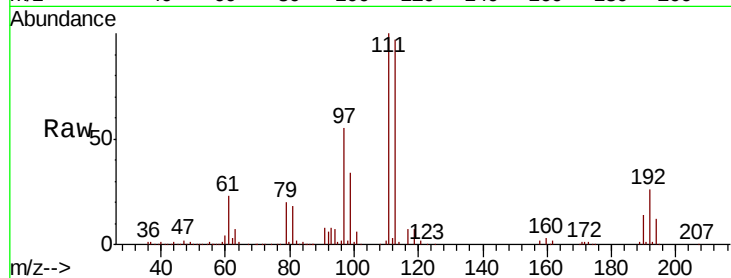
ClientSampleId :

VX0830SBS02

Tot Ion:	113	Resp:	146538
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.1	123.1
192	27.5	21.5	32.3

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#36

1,1-Dichloropropene

Concen: 18.668 ug/l

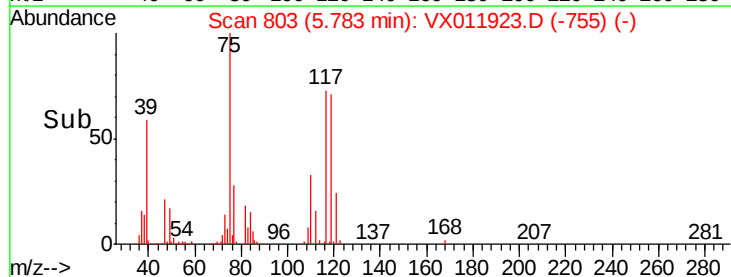
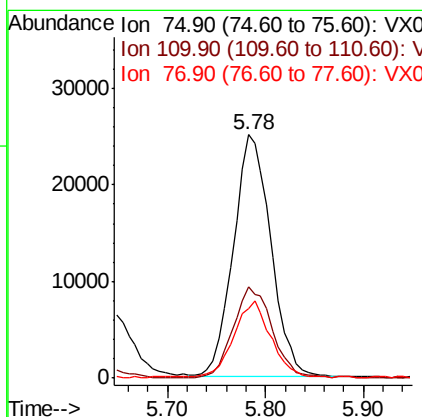
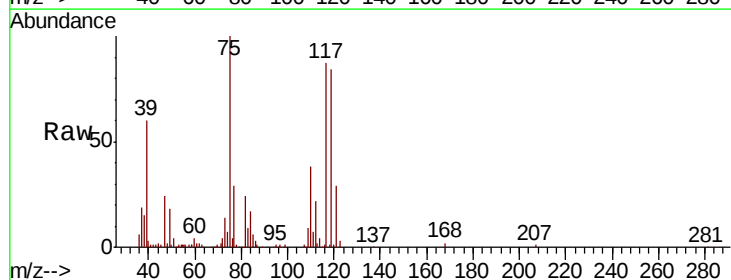
RT: 5.78 min Scan# 803

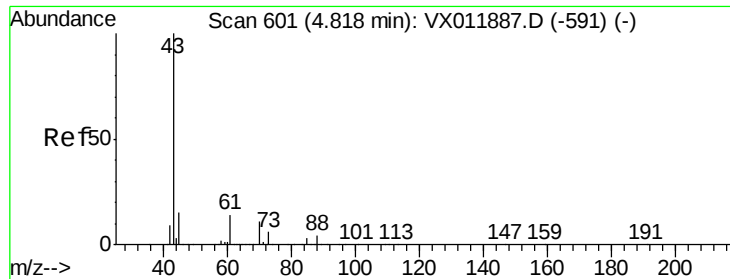
Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	75	Resp:	66584
Ion Ratio	Lower	Upper	
75	100		
110	39.3	19.1	57.3
77	31.1	24.4	36.6





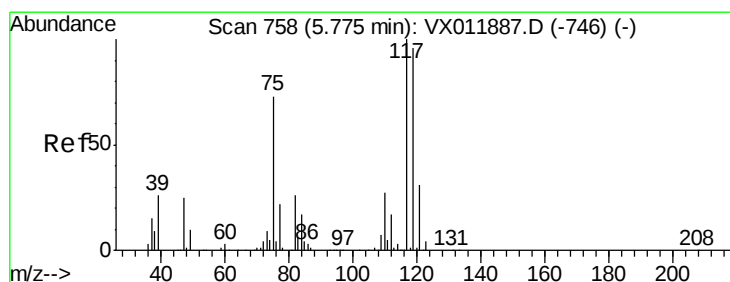
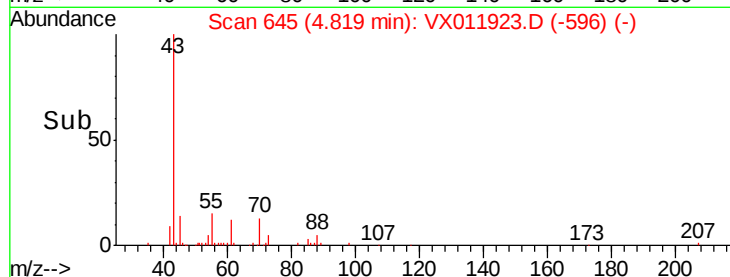
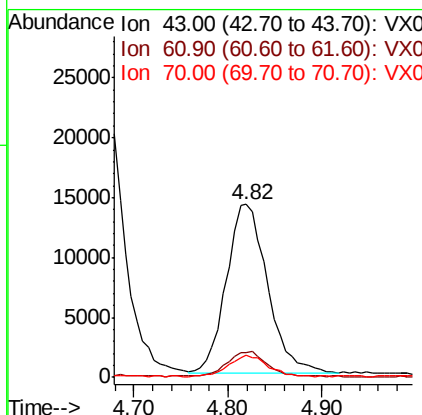
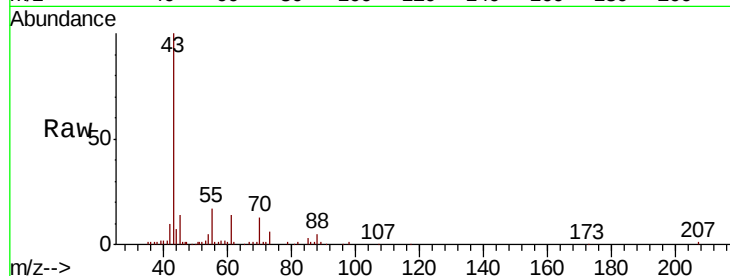
#37
Ethyl Acetate
Concen: 20.397 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	12.1	9.2	13.8

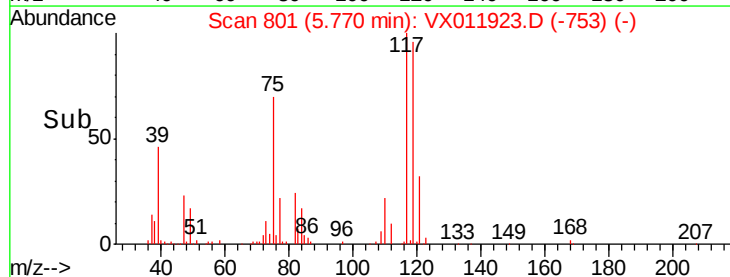
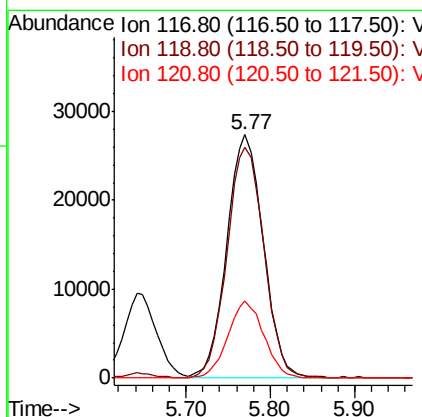
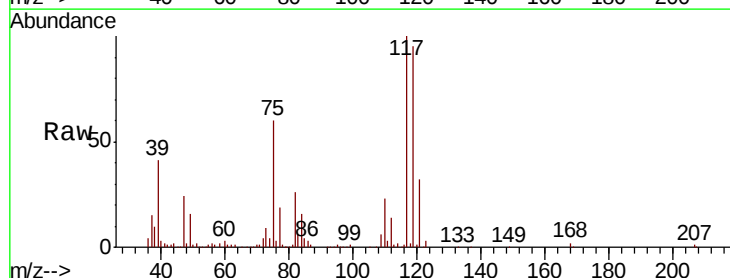
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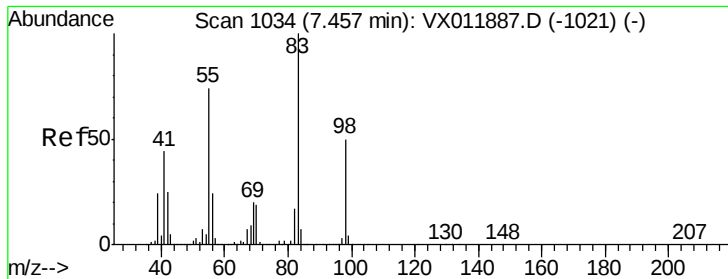
MMDadoda
9/3/2019 2:41:12 AM



#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	114.8
121	31.7	24.7	37.1





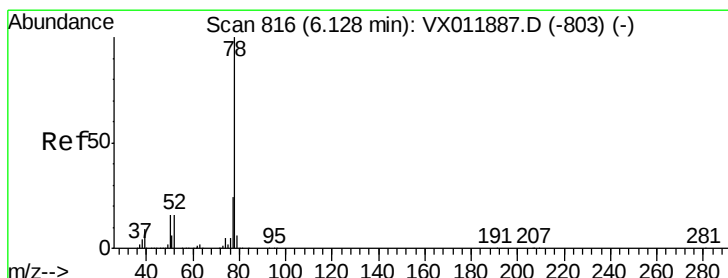
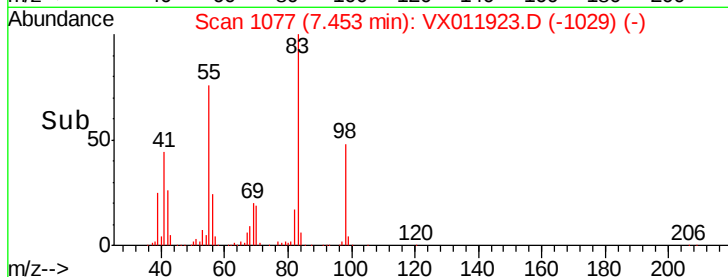
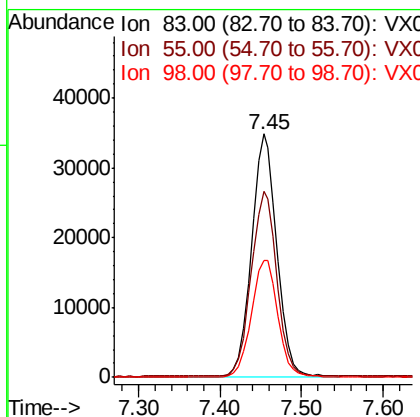
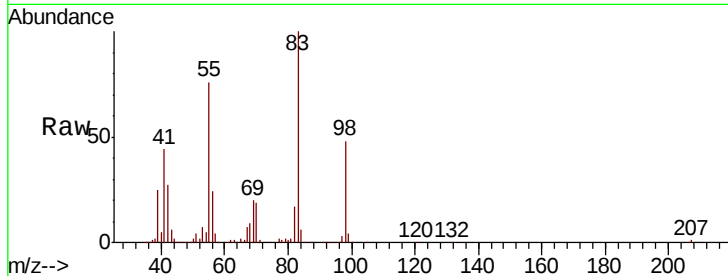
#39
Methvlcvclohexane
Concen: 17.869 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.4	89.0
98	48.2	40.3	60.5

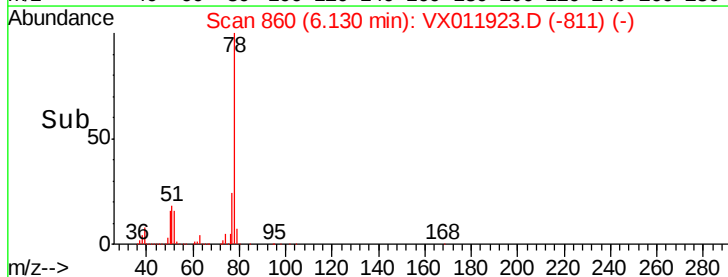
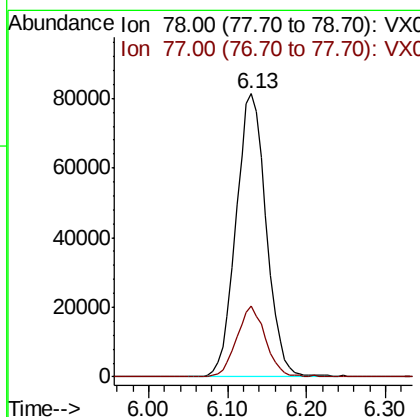
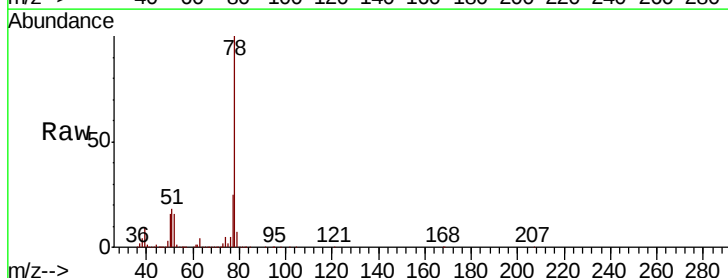
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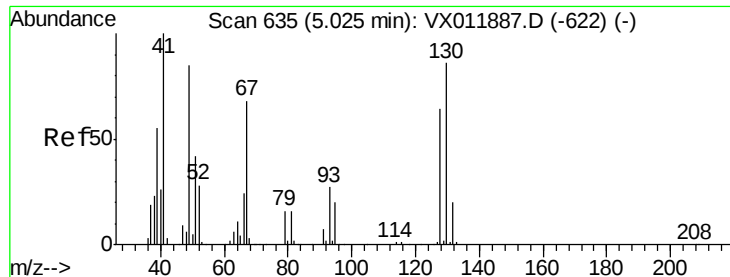
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#40
Benzene
Concen: 20.398 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





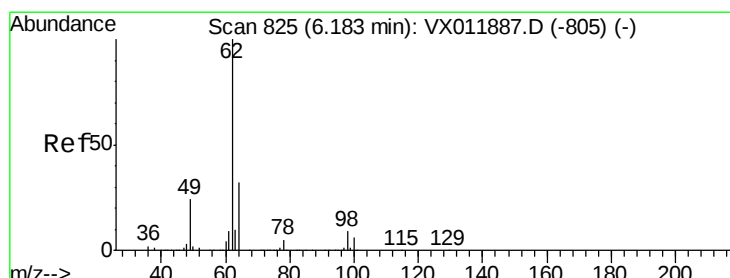
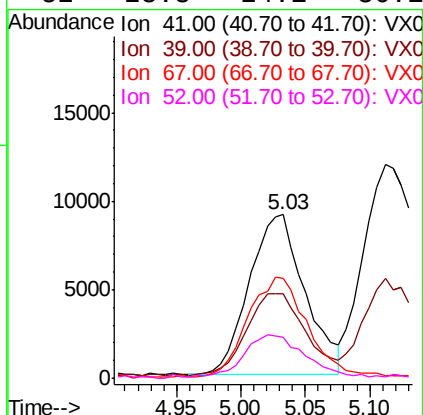
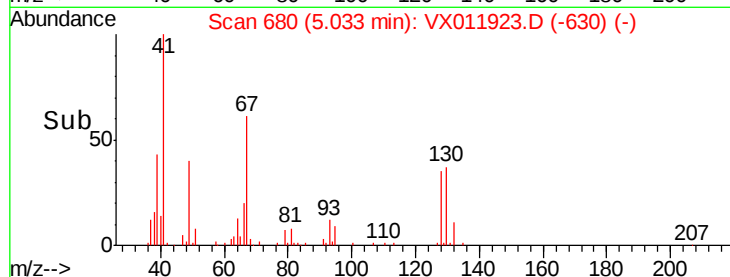
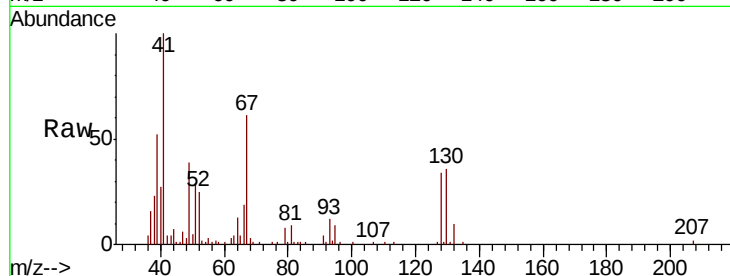
#41
Methacrylonitrile
Concen: 21.778 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	45.0	67.6	
67	67.8	55.0	82.4	
52	28.3	24.1	36.1	

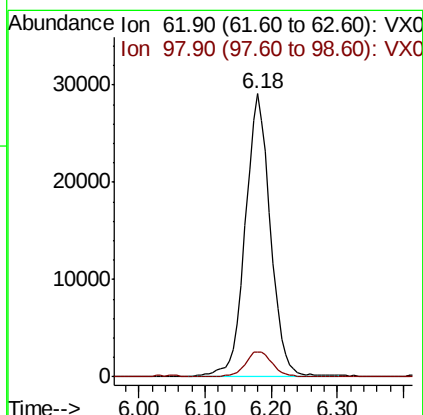
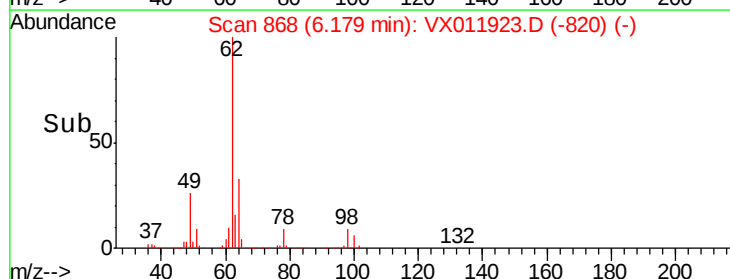
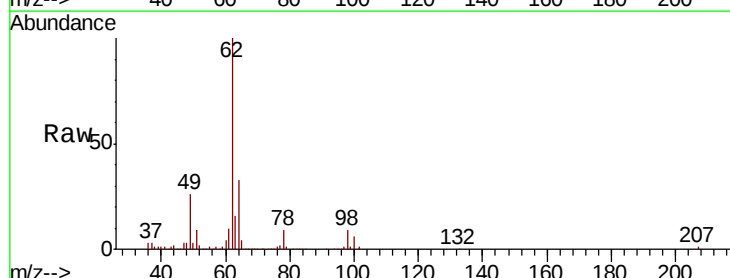
Manual Integrations
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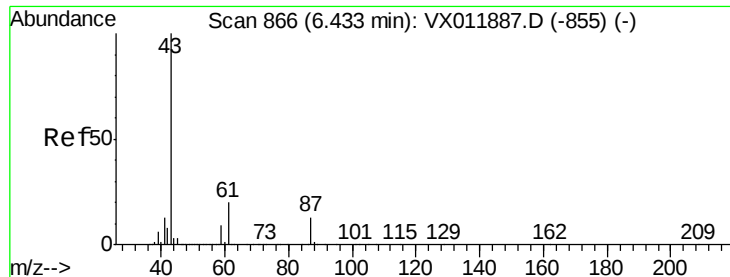
MMDadoda
9/3/2019 2:41:12 AM



#42
1,2-Dichloroethane
Concen: 21.341 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.2	





#43

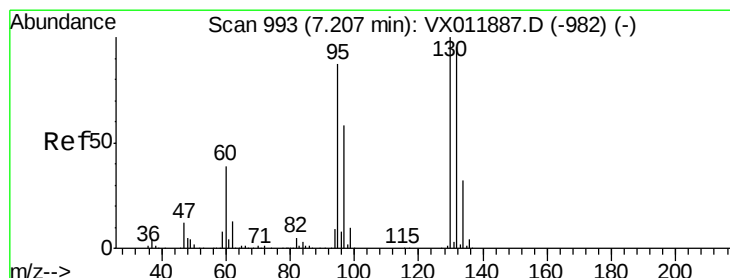
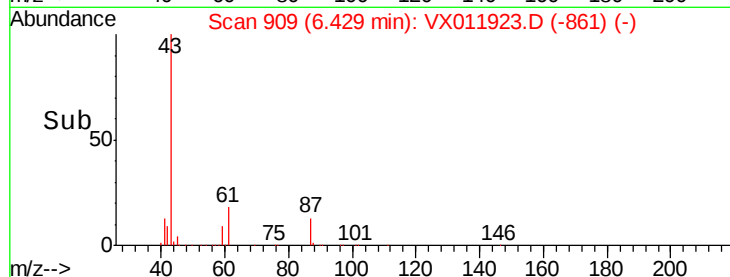
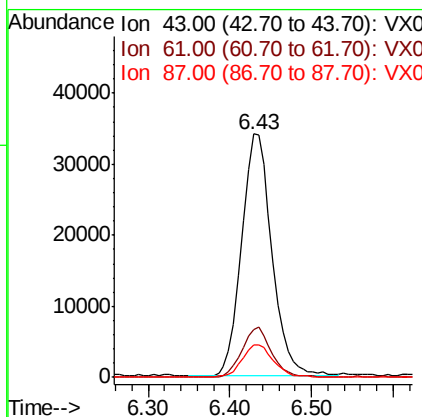
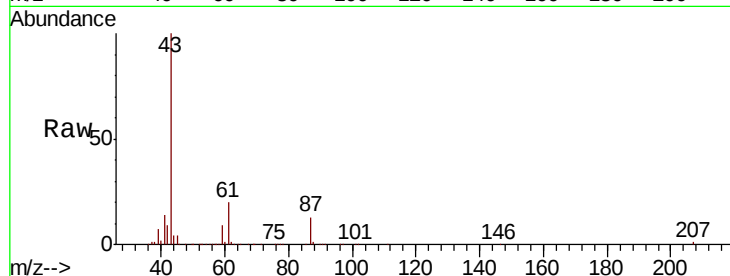
Isopropyl Acetate
 Concen: 20.552 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.0	10.6	16.0

Manual Integrations
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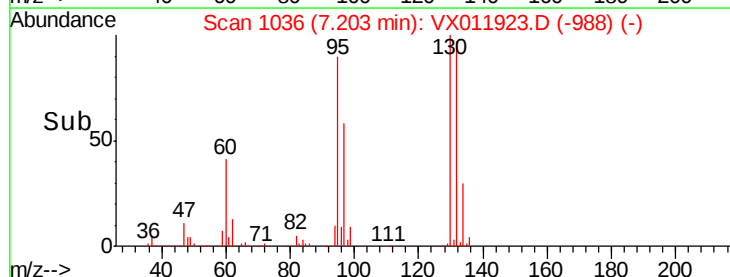
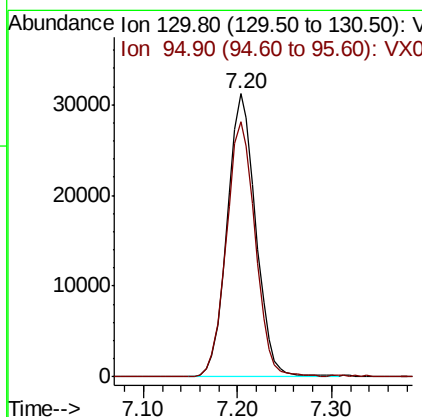
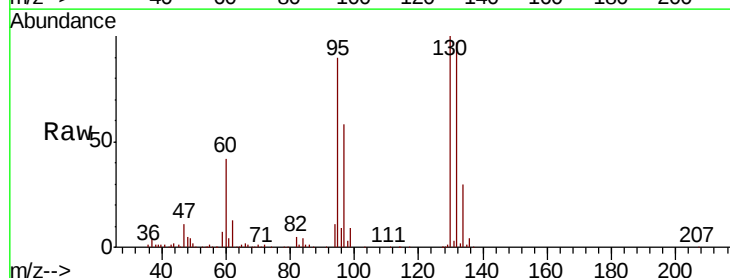
MMDadoda
 9/3/2019 2:41:12 AM

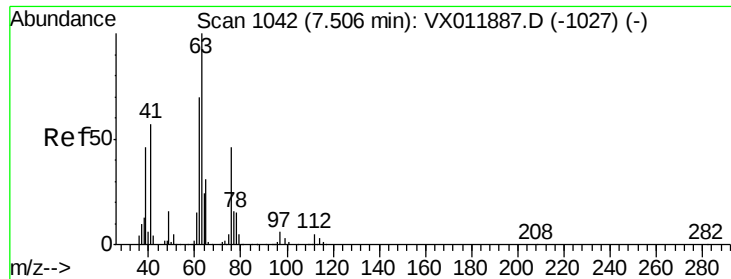


#44

Trichloroethene
 Concen: 19.996 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	174.6





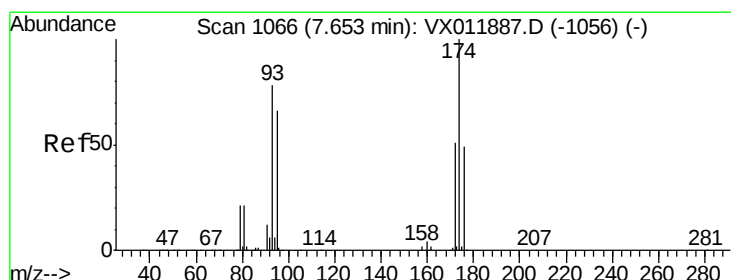
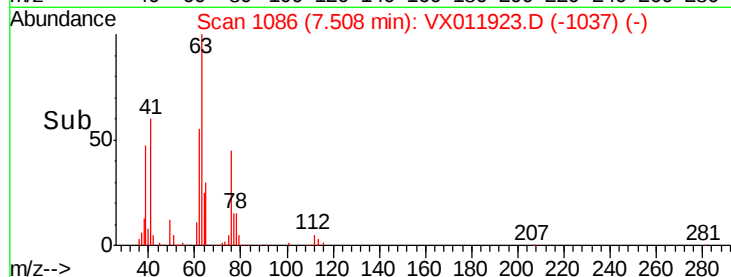
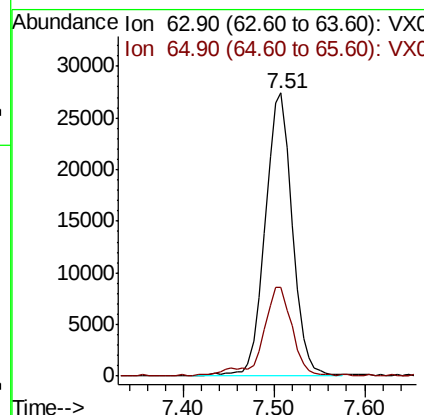
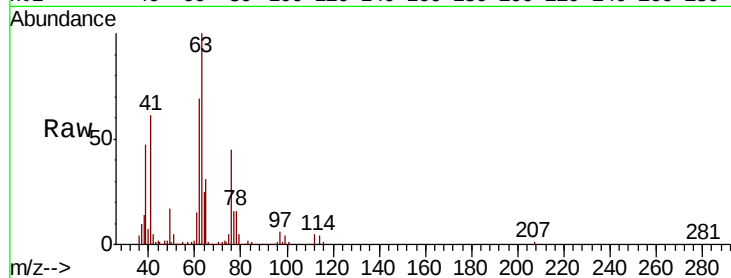
#45
 1,2-Dichloropropane
 Concen: 20.474 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7

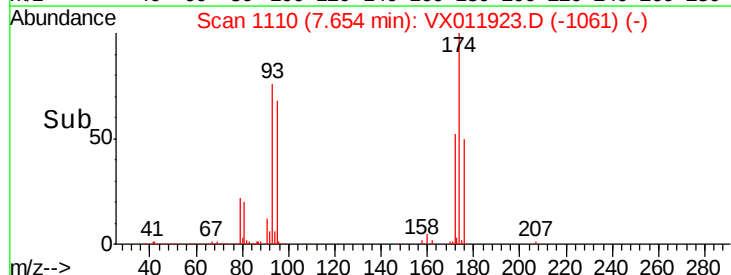
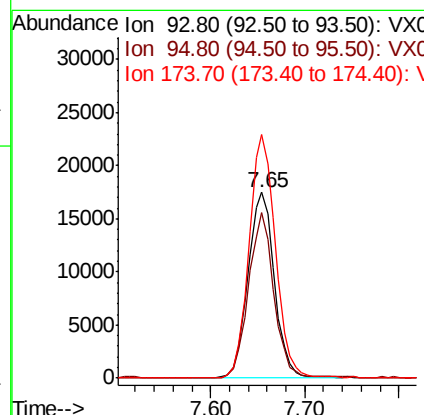
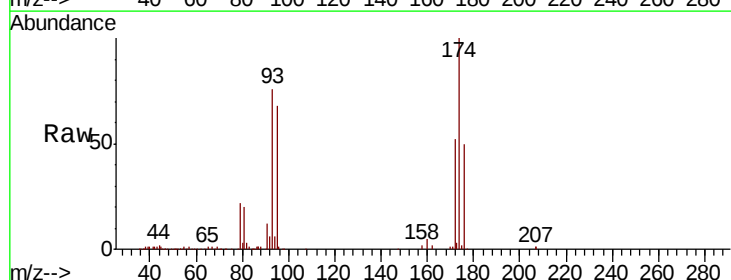
Manual Integrations
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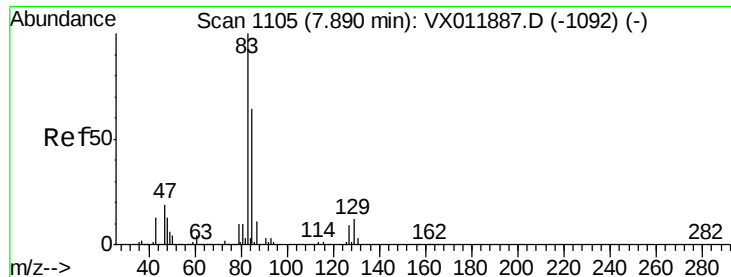
MMDadoda
 9/3/2019 2:41:12 AM



#46
 Dibromomethane
 Concen: 20.879 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.7	98.5
174	130.6	104.2	156.4





#47

Bromodichloromethane

Concen: 20.823 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

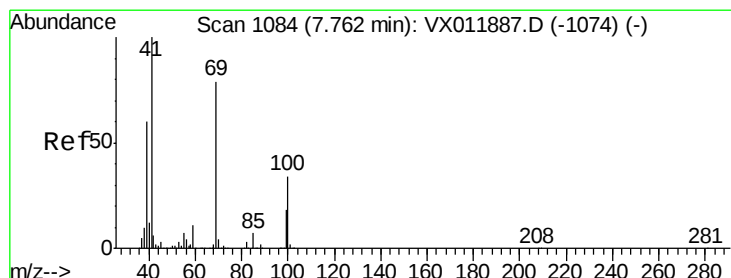
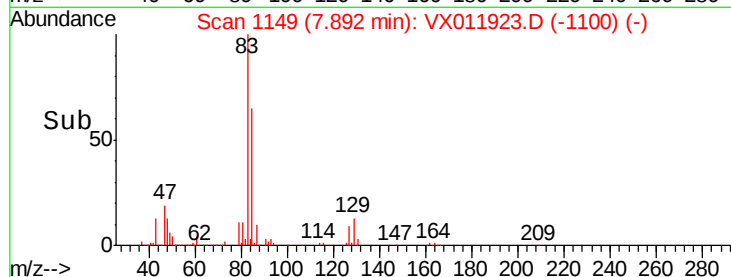
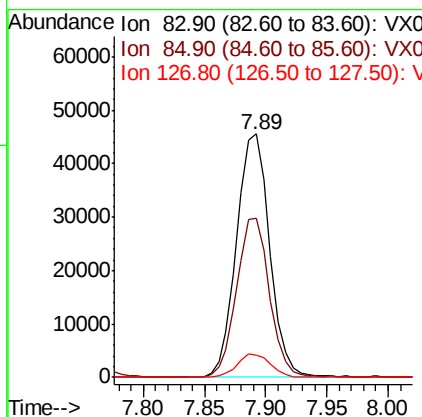
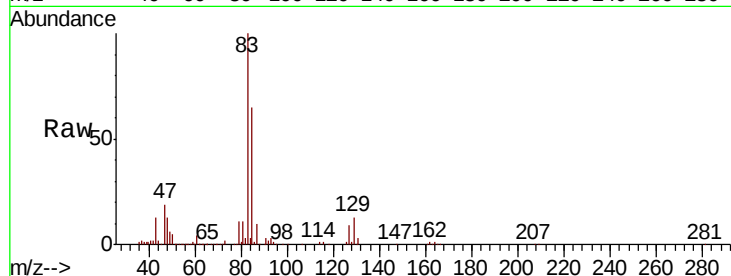
ClientSampleId :

VX0830SBS02

Tot Ion:	83	Resp:	85338
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	9.4	7.4	11.2

Manual Integrations
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MMDadoda
9/3/2019 2:41:12 AM



#48

Methyl methacrylate

Concen: 20.995 ug/l

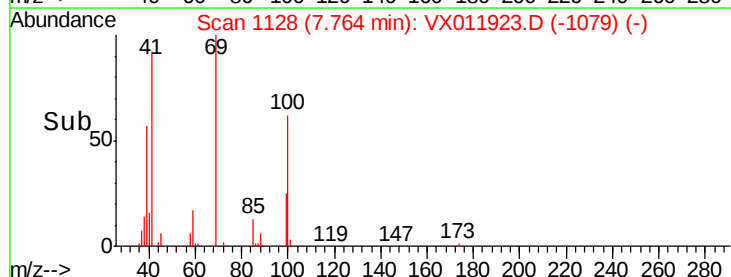
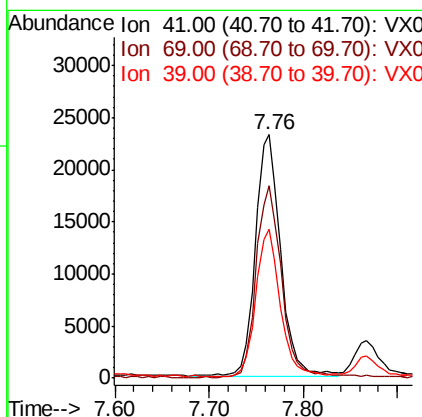
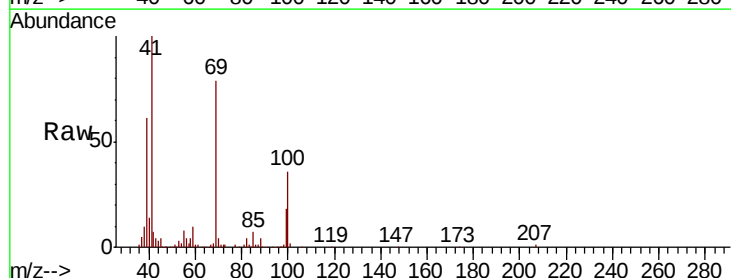
RT: 7.76 min Scan# 1128

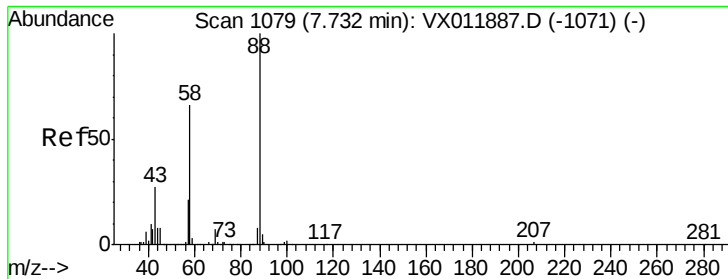
Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	41	Resp:	43726
Ion	Ratio	Lower	Upper
41	100		
69	80.4	64.4	96.6
39	59.4	47.2	70.8





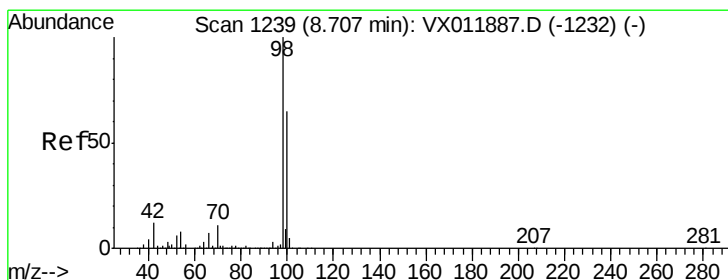
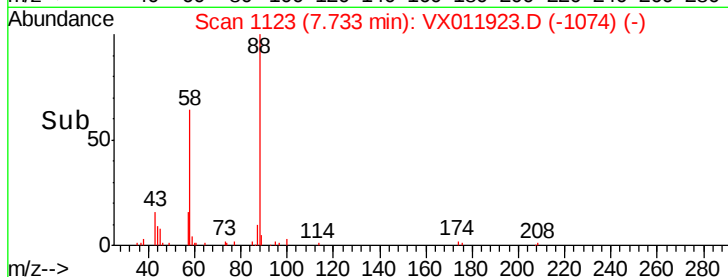
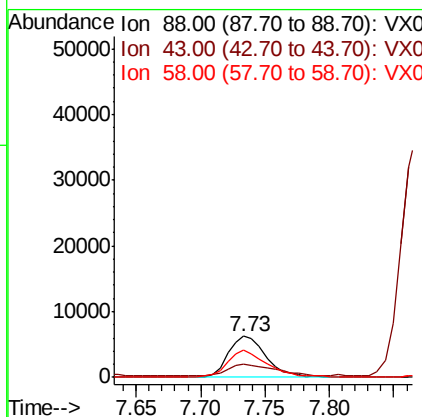
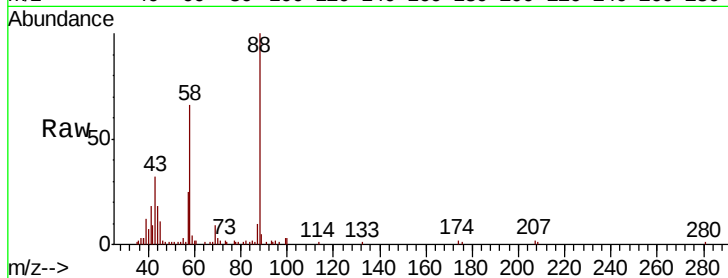
#49
1,4-Dioxane
Concen: 446.540 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.3	40.9
58	71.3	53.9	80.9

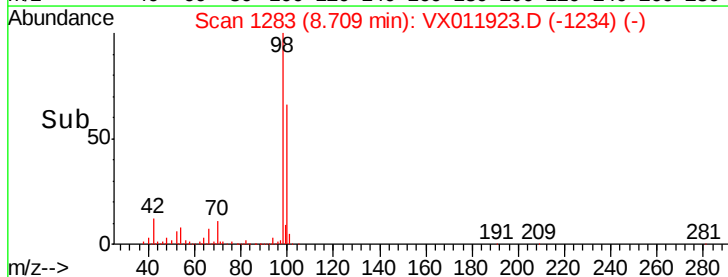
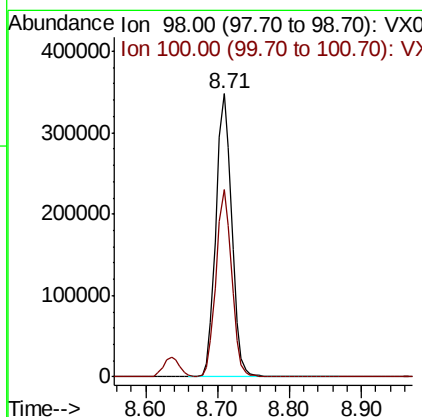
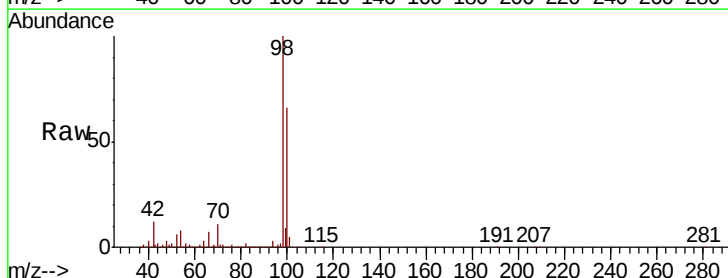
Manual Integrations
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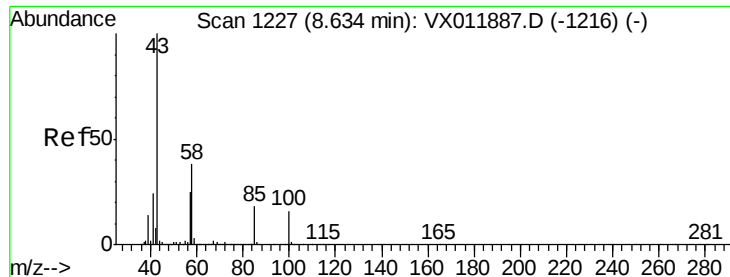
MMDadoda
9/3/2019 2:41:12 AM



#50
Toluene-d8
Concen: 51.281 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.6





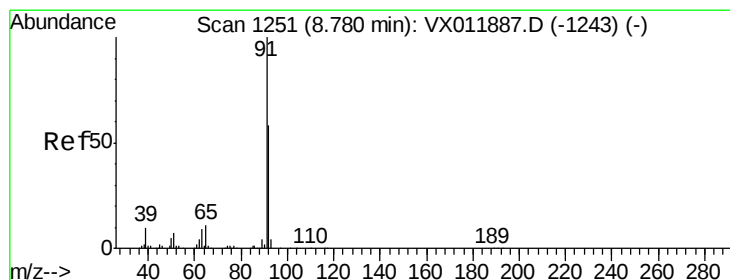
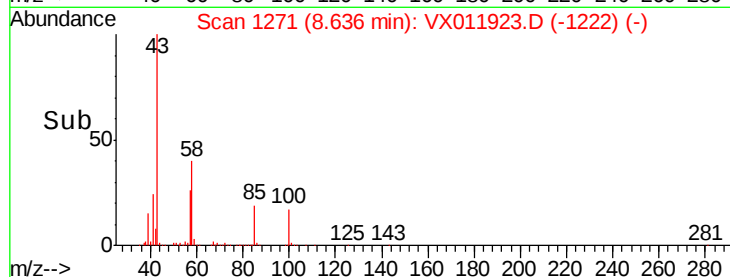
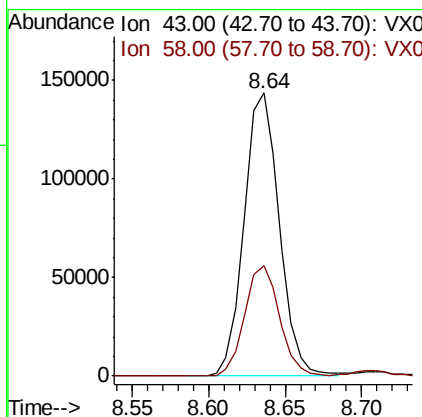
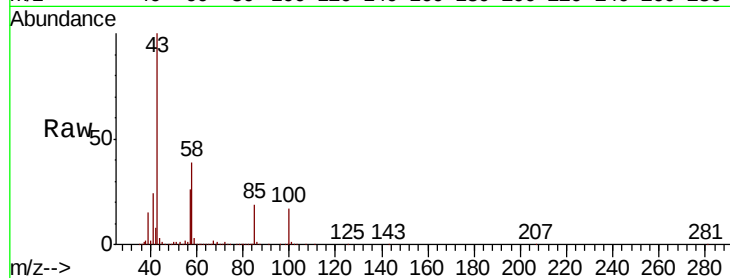
#51
4-Methyl-2-Pentanone
Concen: 105.435 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.9	46.3

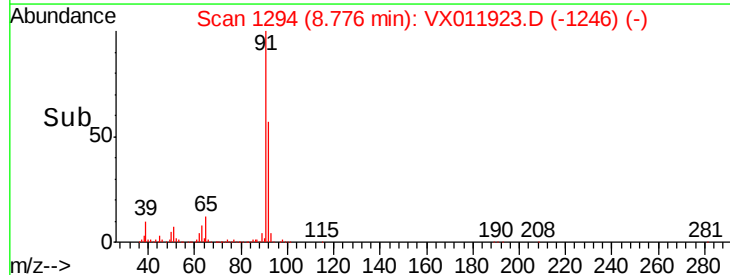
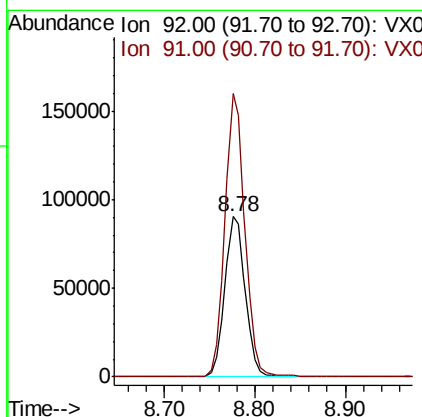
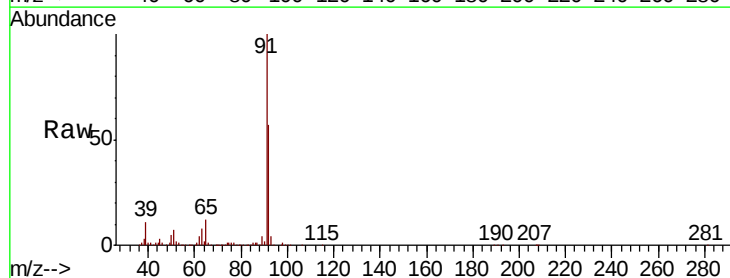
Manual Integrations
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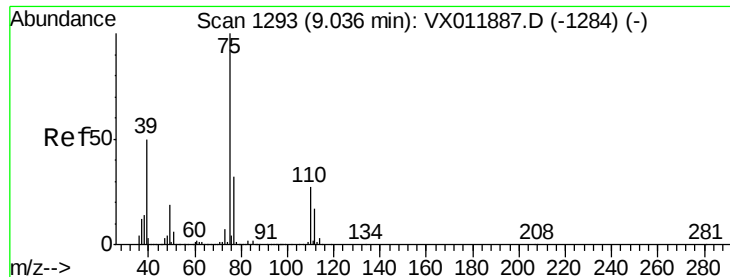
MMDadoda
9/3/2019 2:41:12 AM



#52
Toluene
Concen: 20.215 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 20.570 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 75 Resp: 86356

Ion Ratio Lower Upper

75 100

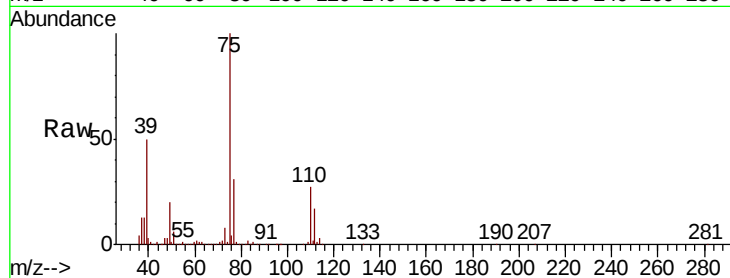
77 30.6 25.6 38.4

Manual Integrations

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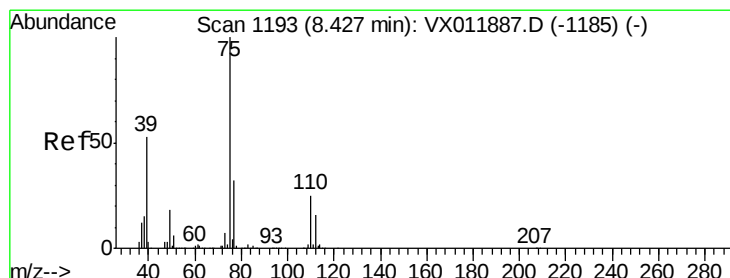
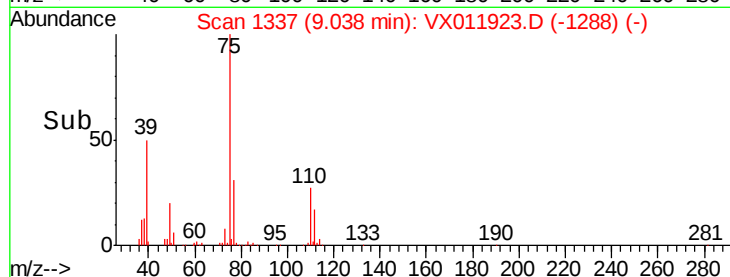
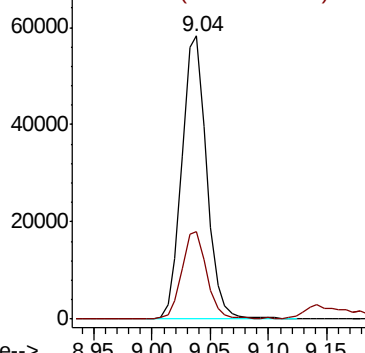
MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.300 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

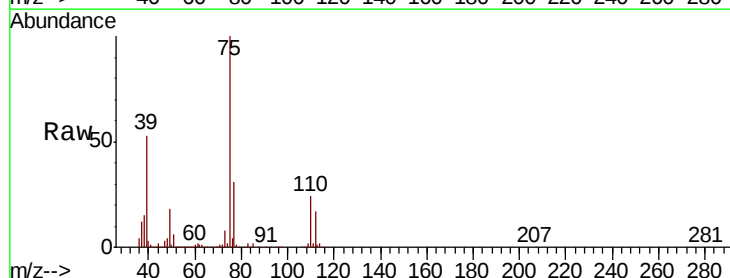
Tgt Ion: 75 Resp: 95665

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3

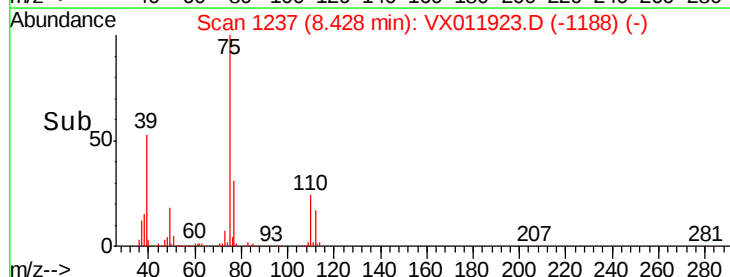
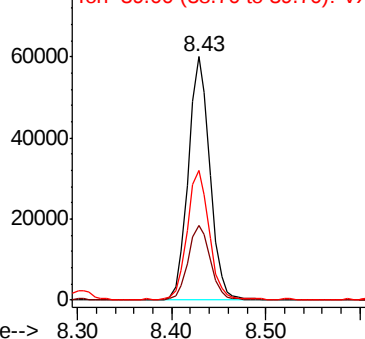
39 52.7 42.6 64.0

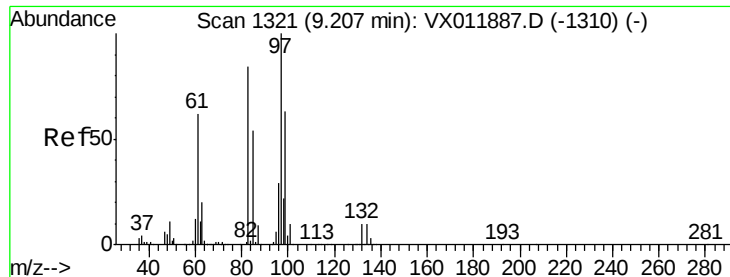


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





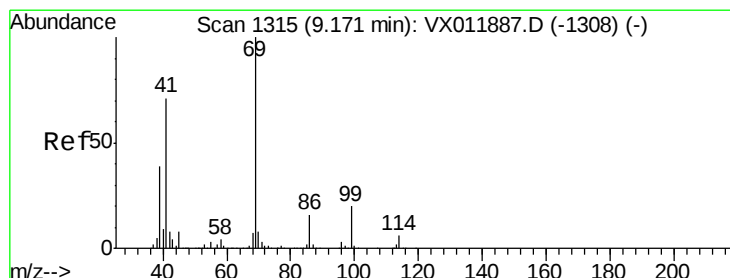
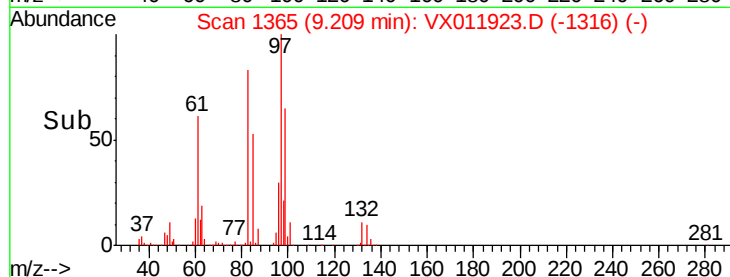
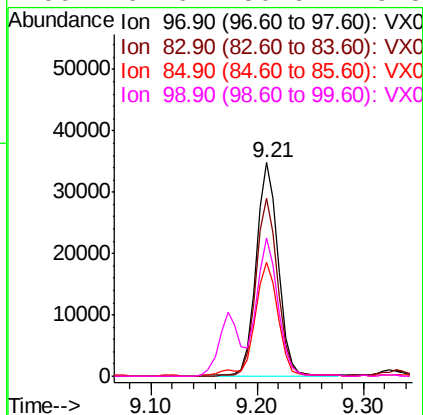
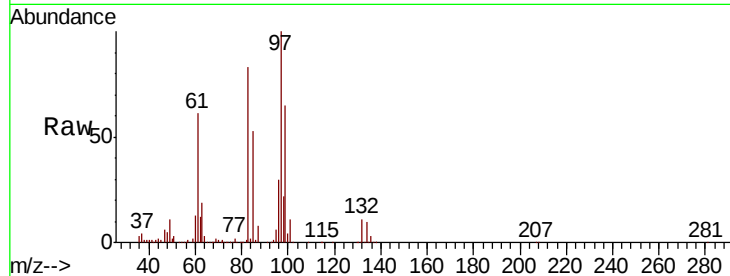
#55
 1,1,2-Trichloroethane
 Concen: 20.996 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0830SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50802		
83	83.2	66.8	100.2		
85	52.8	43.5	65.3		
99	64.6	50.6	75.8		

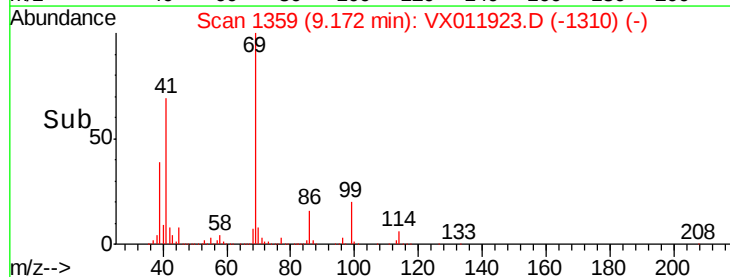
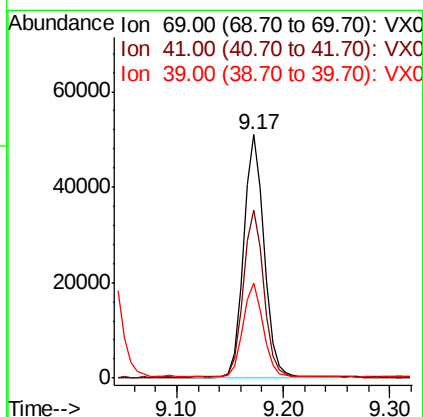
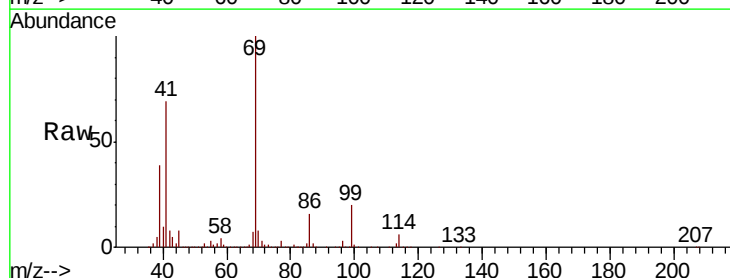
Manual Integrations
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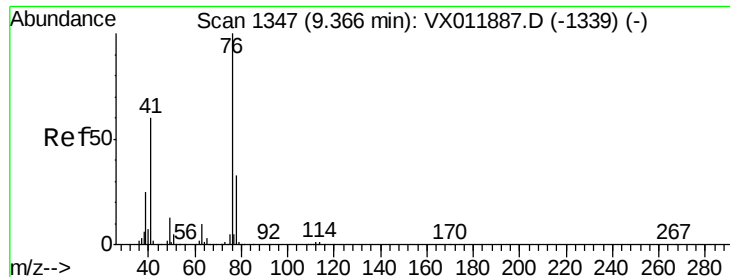
MMDadoda
 9/3/2019 2:41:12 AM



#56
 Ethyl methacrylate
 Concen: 20.659 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69376		
41	68.5	55.8	83.8		
39	38.3	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 20.919 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 76 Resp: 84010

Ion Ratio Lower Upper

76 100

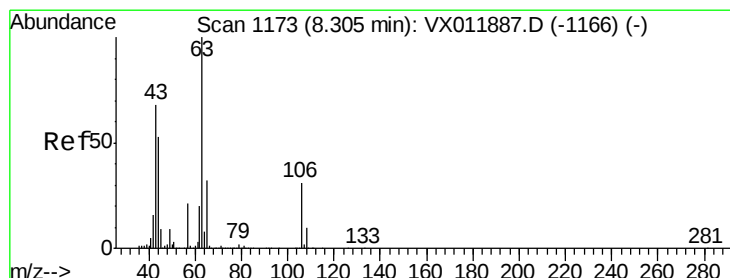
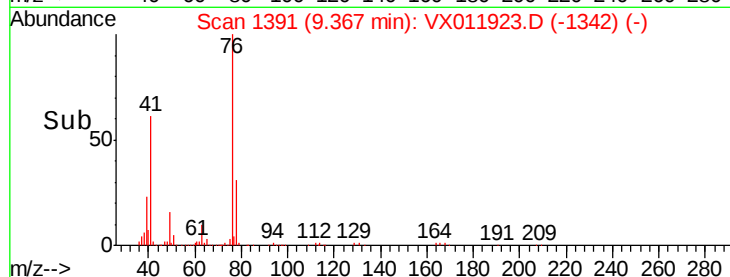
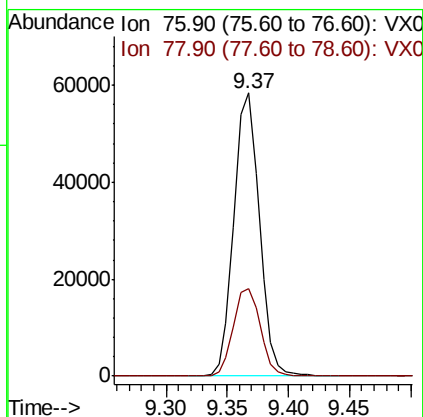
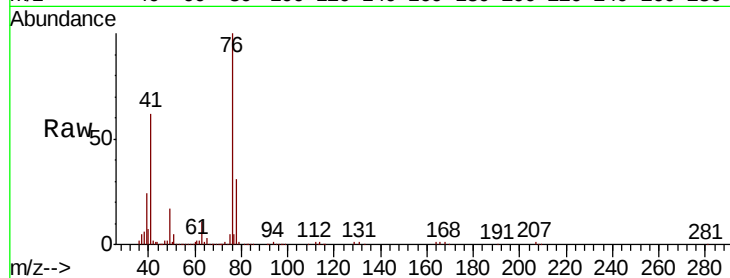
78 33.2 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:41:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.547 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011923.D

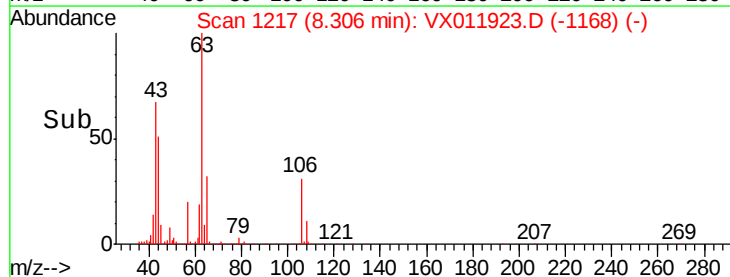
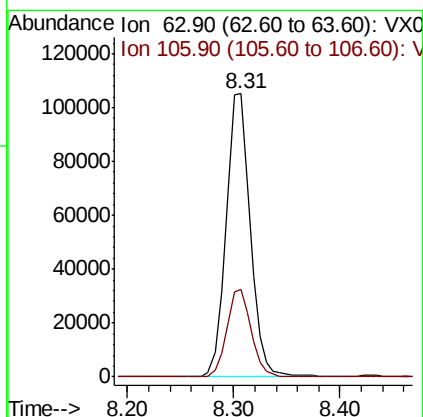
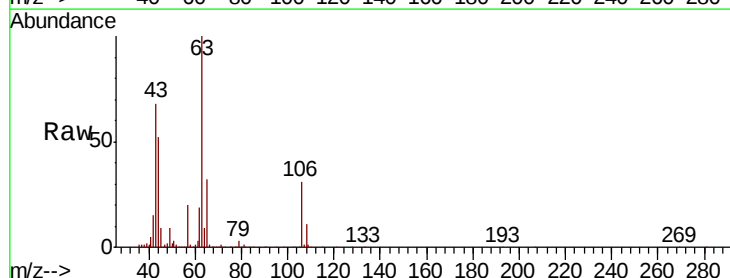
Acq: 30 Aug 2019 23:31

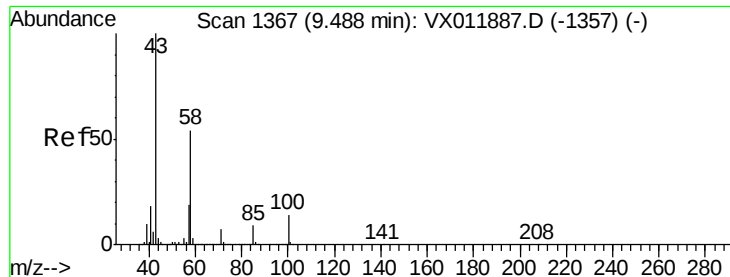
Tgt Ion: 63 Resp: 167216

Ion Ratio Lower Upper

63 100

106 31.7 24.8 37.2





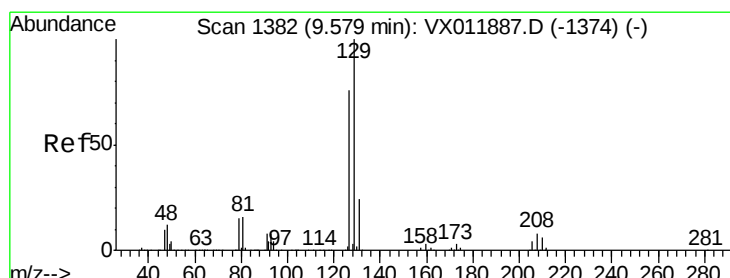
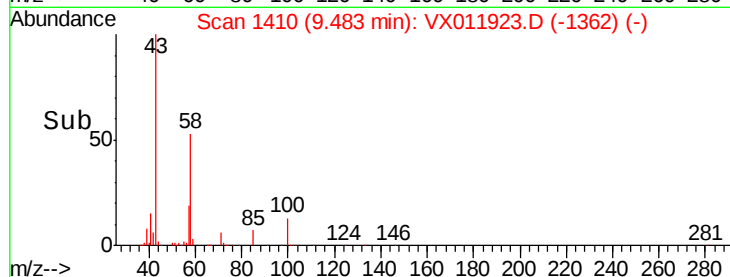
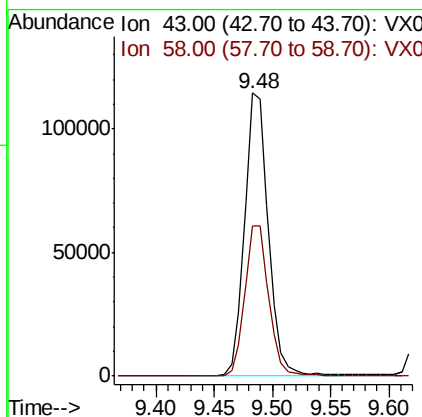
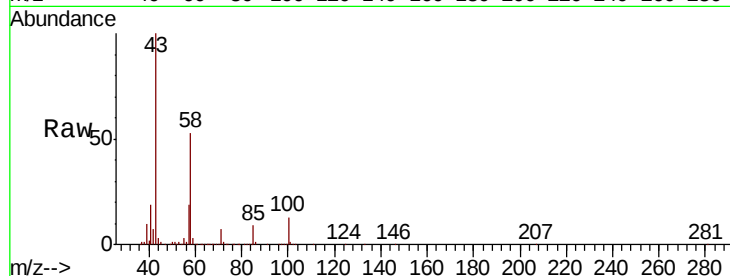
#59
2-Hexanone
Concen: 105.047 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.8	80.4

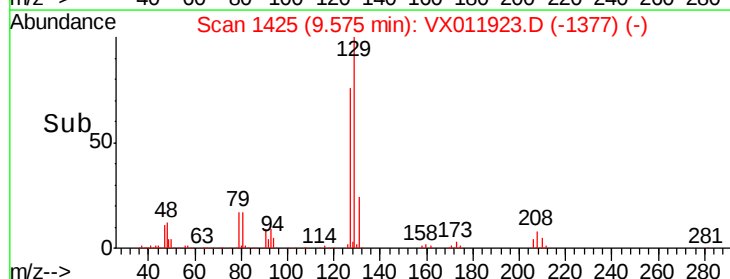
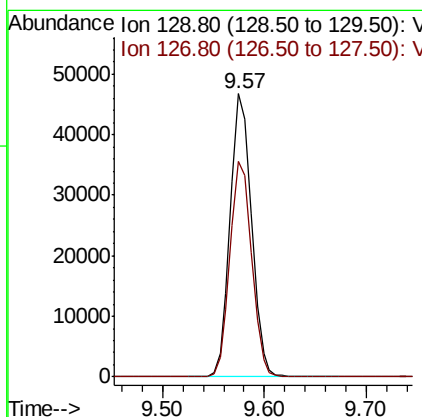
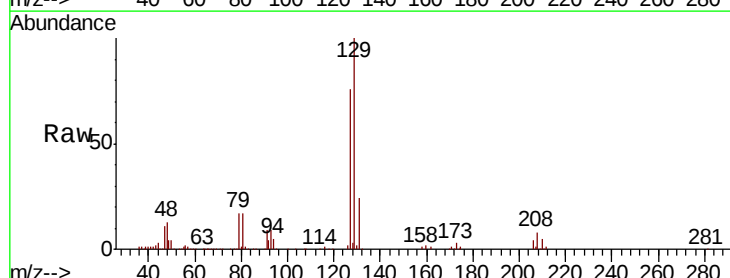
Manual Integrations
APPROVED

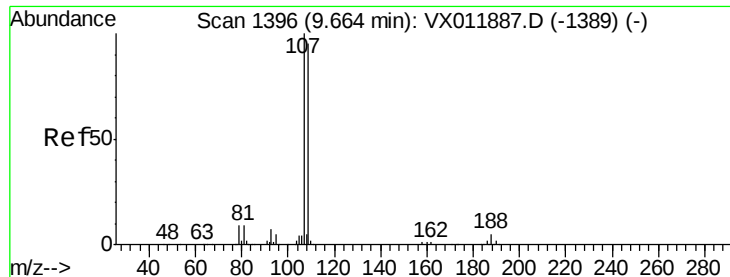
MMDadoda
9/3/2019 2:41:12 AM



#60
Dibromochloromethane
Concen: 20.852 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7





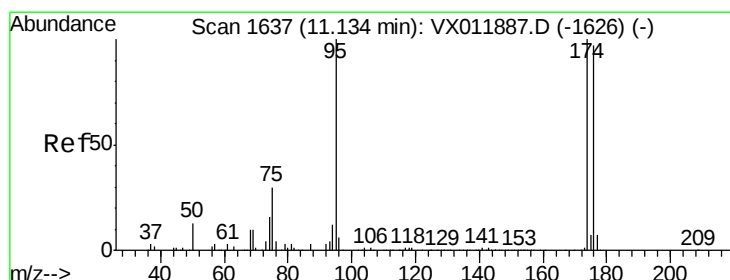
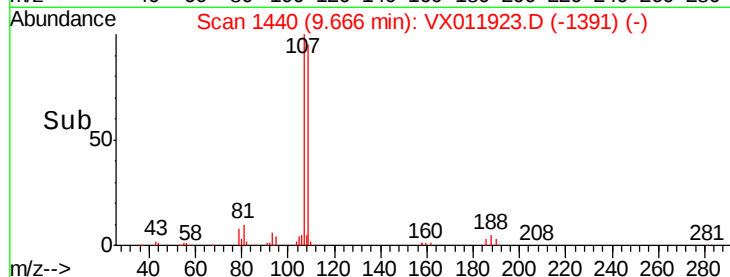
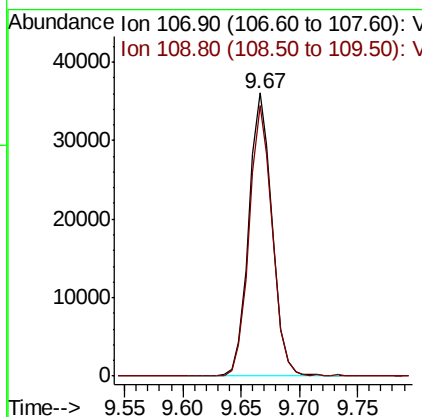
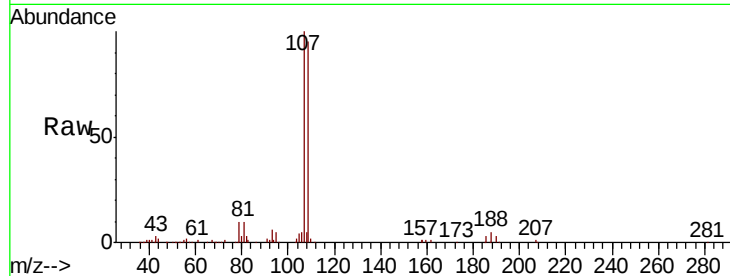
#61
 1,2-Dibromoethane
 Concen: 21.023 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.3	112.9

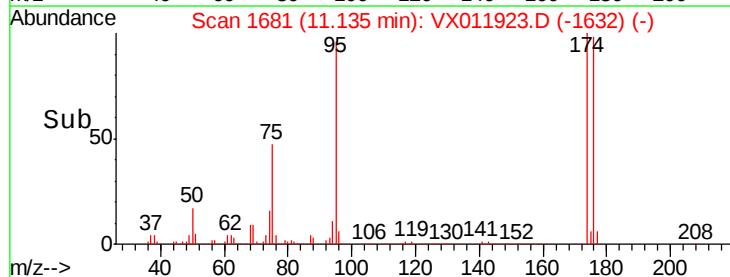
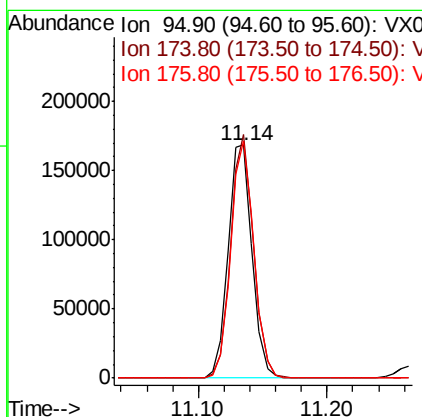
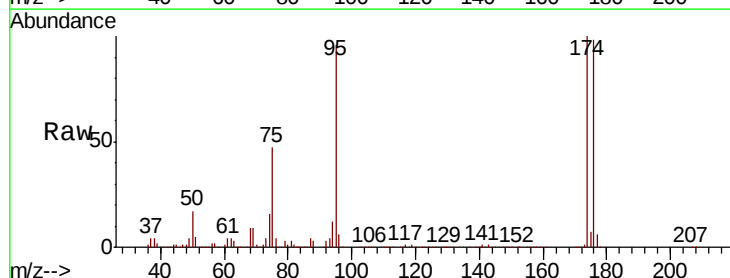
Manual Integrations
 APPROVED

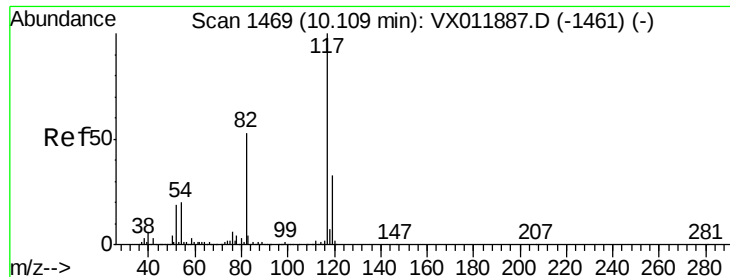
MMDadoda
 9/3/2019 2:41:12 AM



#62
 4-Bromofluorobenzene
 Concen: 48.657 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.2	0.0	196.0
176	97.7	0.0	191.4





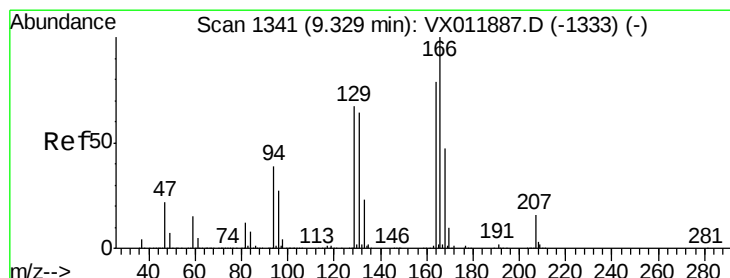
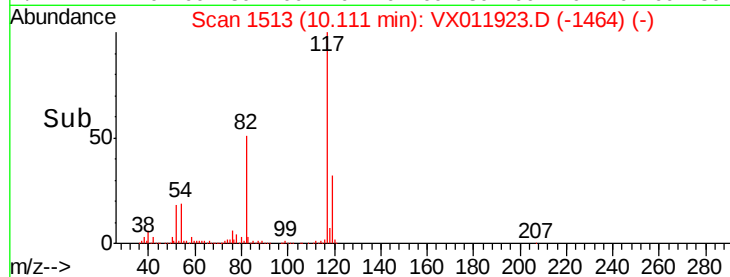
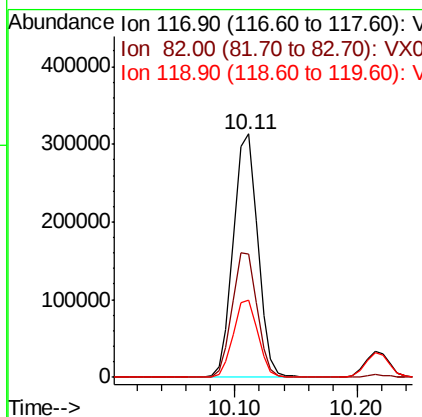
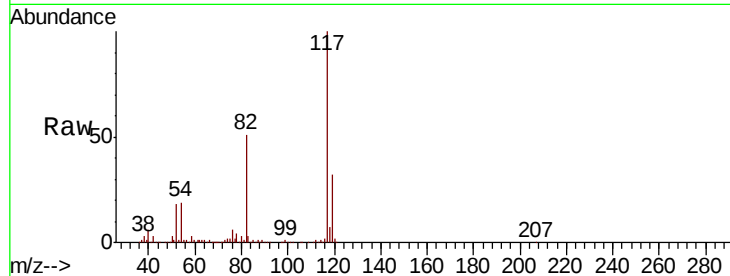
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion:	117	Resp:	431389
Ion Ratio	Lower	Upper	
117	100		
82	50.6	42.0	63.0
119	31.7	26.2	39.4

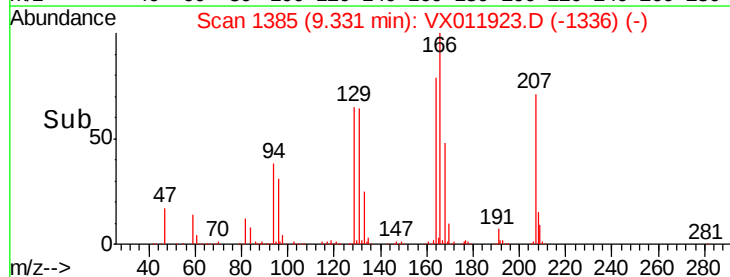
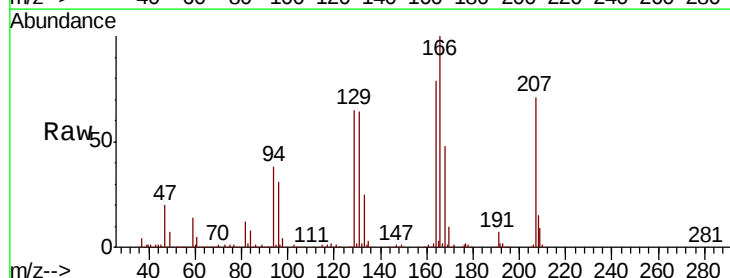
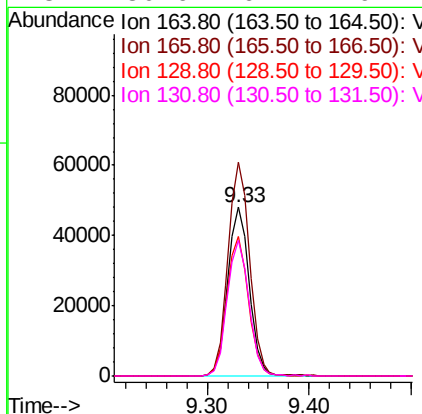
Manual Integrations
APPROVED

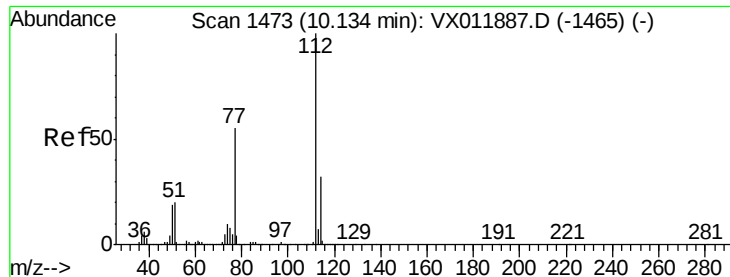
MMDadoda
9/3/2019 2:41:12 AM



#64
Tetrachloroethene
Concen: 20.214 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion:	164	Resp:	70145
Ion Ratio	Lower	Upper	
164	100		
166	126.6	101.4	152.0
129	82.8	68.0	102.0
131	80.6	64.7	97.1





#65

Chlorobenzene

Concen: 20.352 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:112 Resp: 170139

Ion Ratio Lower Upper

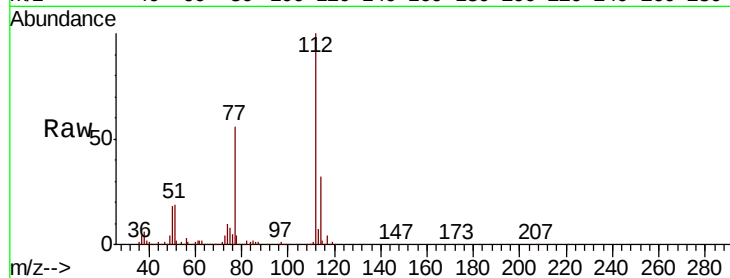
112 100

114 32.3 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

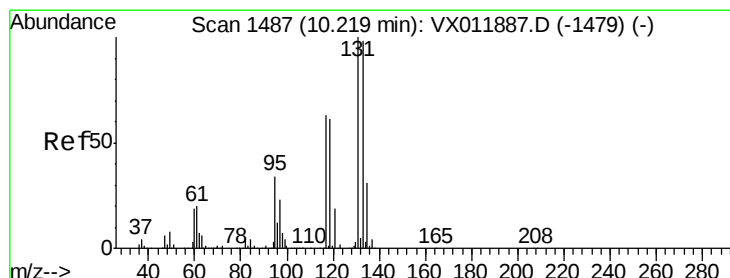
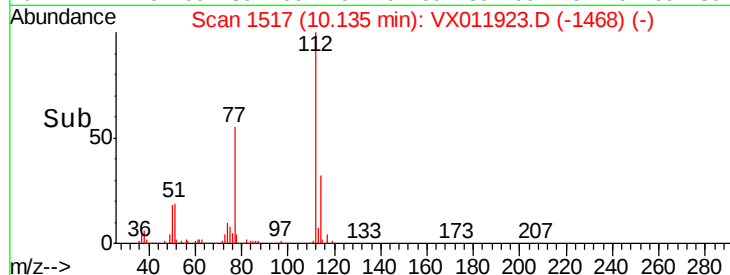
10.14

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.673 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

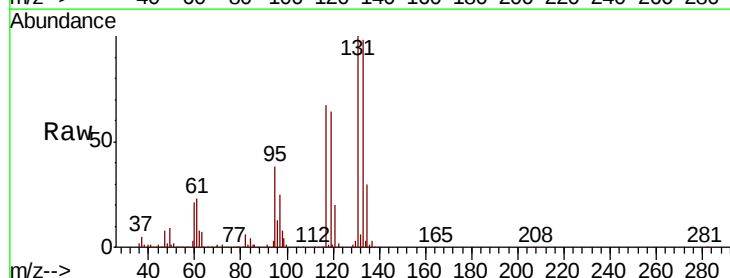
Tgt Ion:131 Resp: 69887

Ion Ratio Lower Upper

131 100

133 98.0 48.4 145.0

119 62.2 30.6 92.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

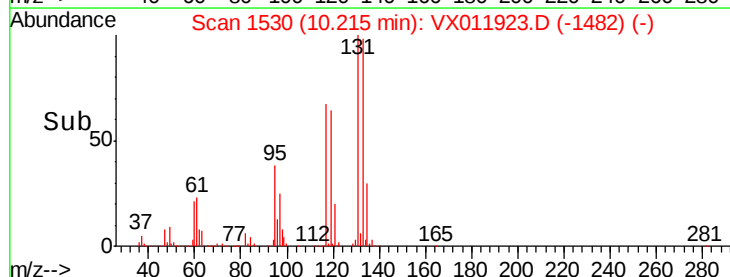
60000

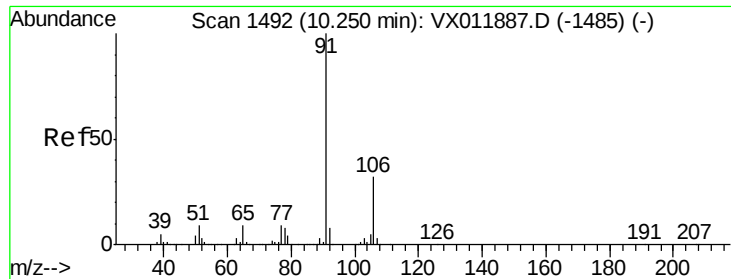
40000

20000

0

Time-->





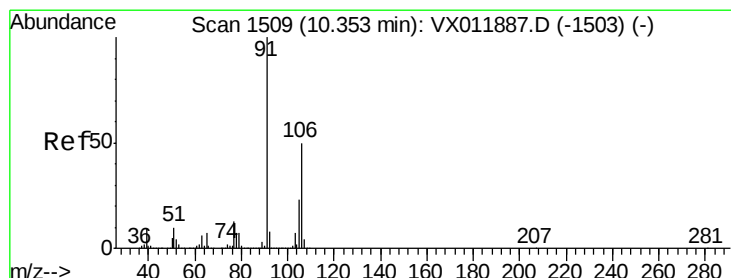
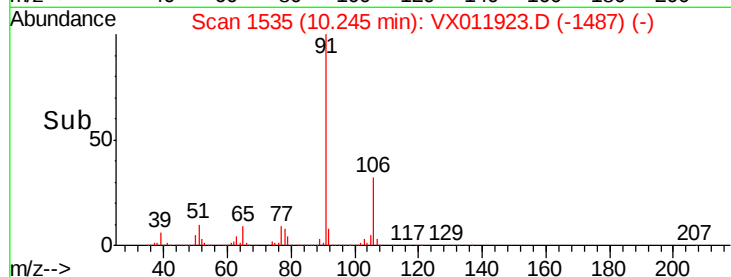
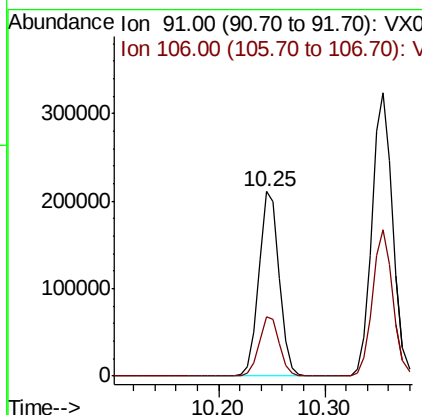
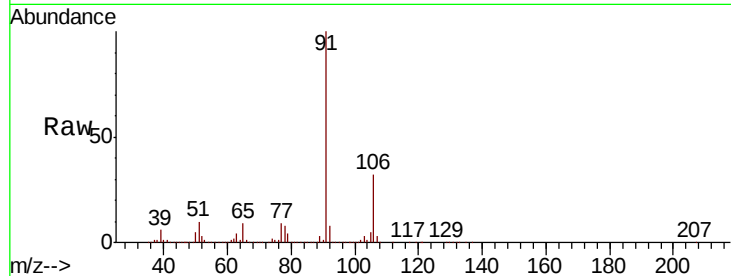
#67
Ethyl Benzene
Concen: 19.882 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.8

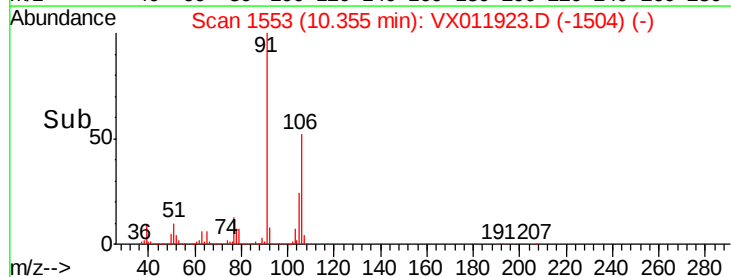
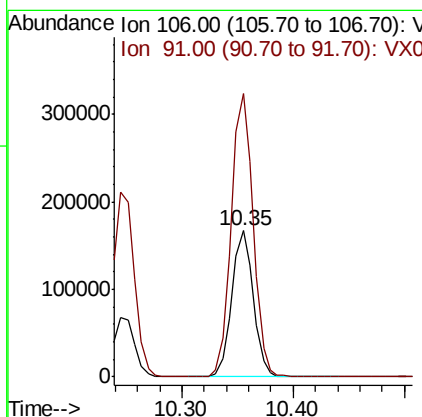
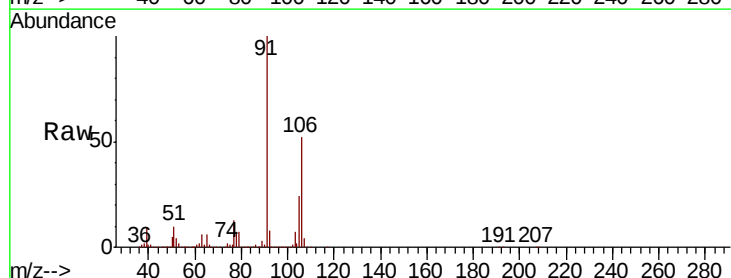
Manual Integrations
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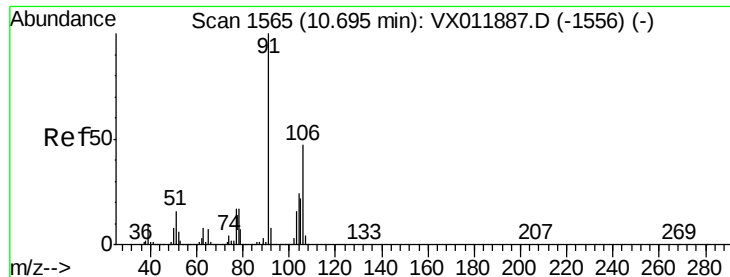
MMDadoda
9/3/2019 2:41:12 AM



#68
m/p-Xylenes
Concen: 40.595 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.1	158.6	237.8





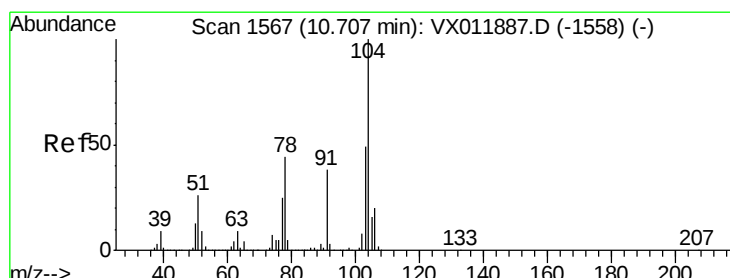
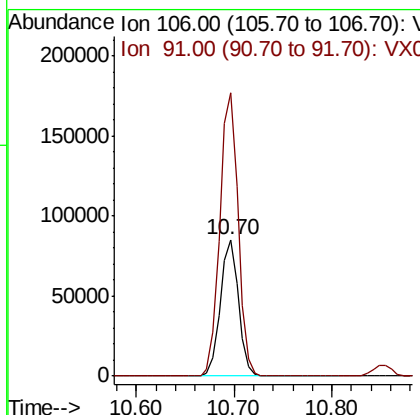
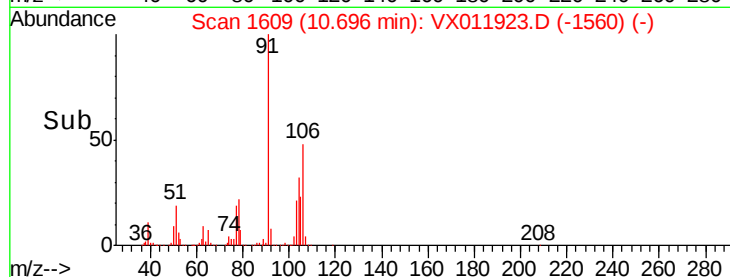
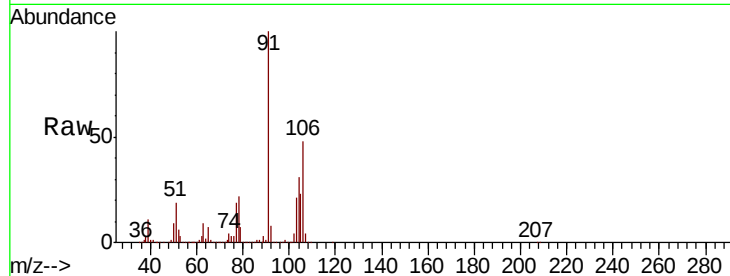
#69
o-Xylene
Concen: 20.417 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		109243		
91	210.7	104.8	314.6		

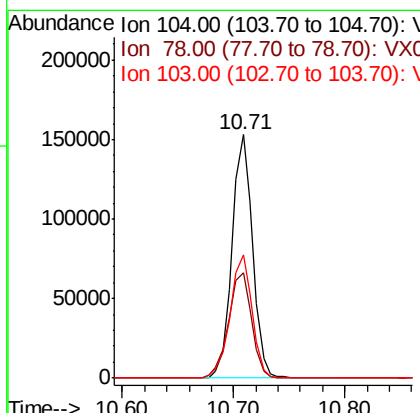
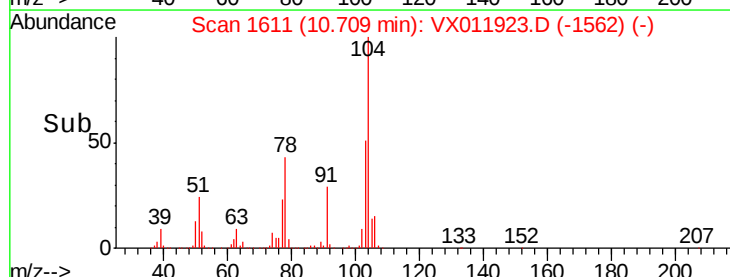
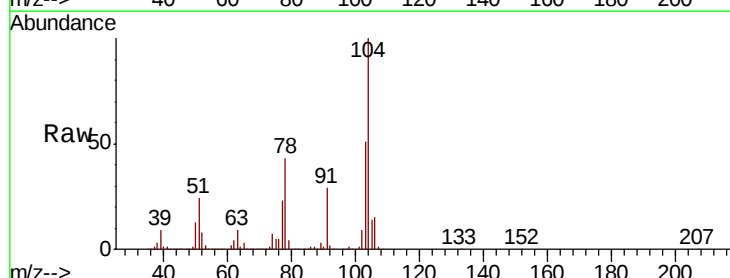
Manual Integrations
APPROVED

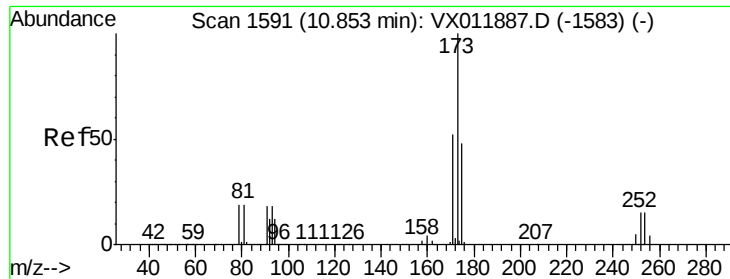
MMDadoda
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#70
Styrene
Concen: 20.739 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		195587		
78	49.3	39.2	58.8		
103	54.3	43.0	64.6		





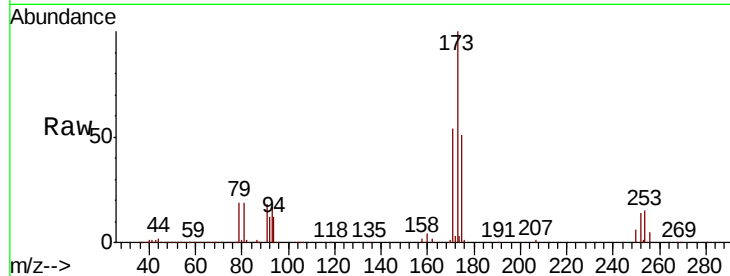
#71
Bromoform
Concen: 20.810 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.4	73.2
254	0.1	0.1	0.1#

Manual Integrations
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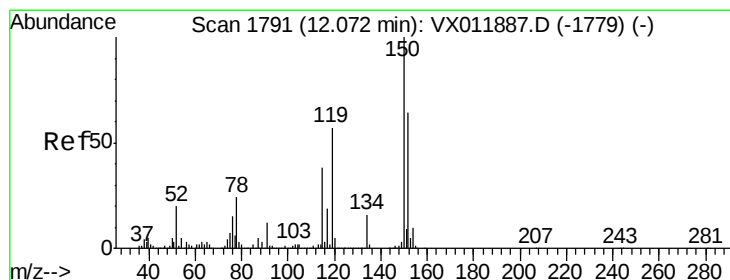
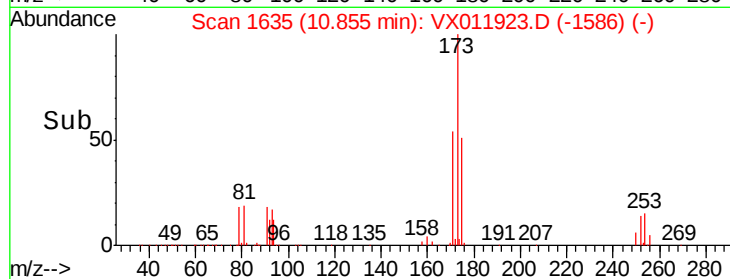
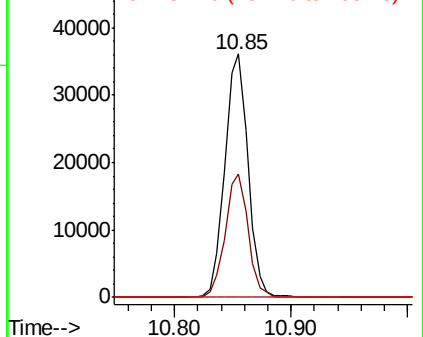


Abundance

Ion 172.70 (172.40 to 173.40): V

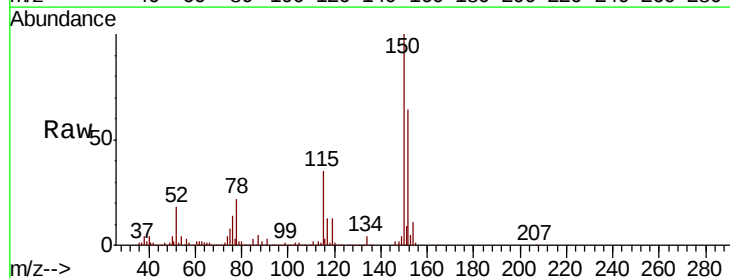
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	37.1	111.3
150	162.0	0.0	339.6

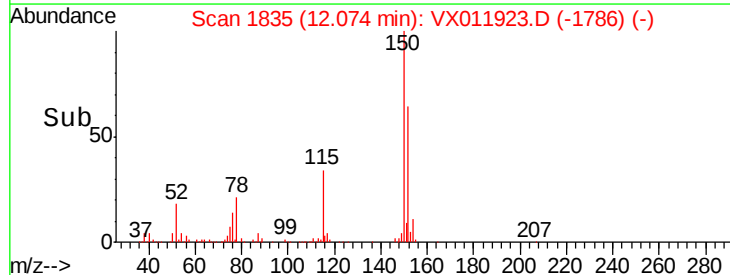
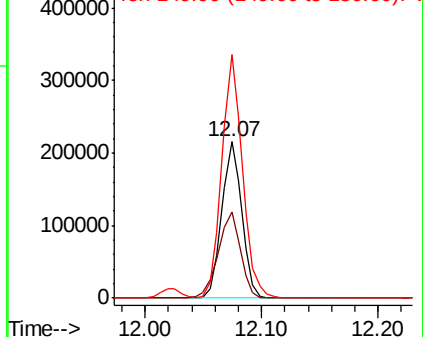


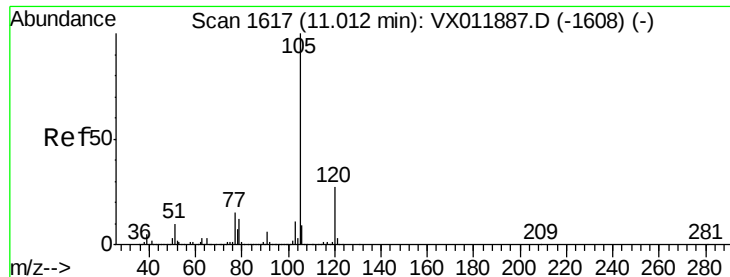
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.793 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 105 Resp: 288303

Ion Ratio Lower Upper

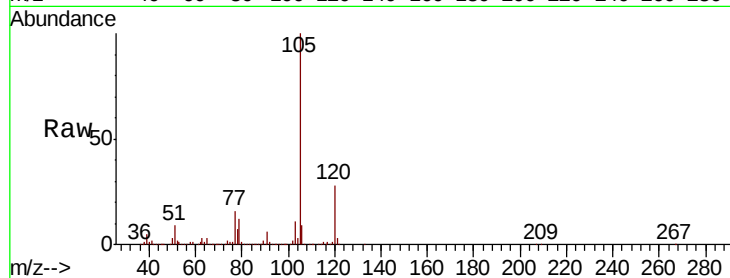
105 100

120 27.9 13.8 41.4

Manual Integrations
APPROVED

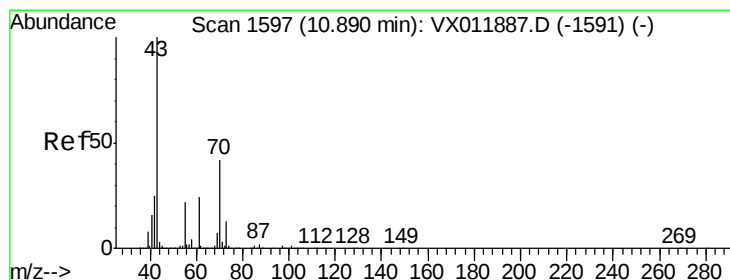
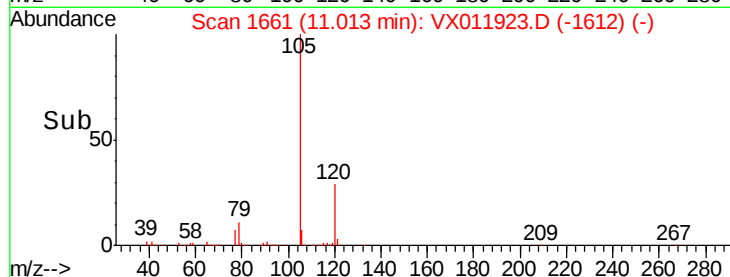
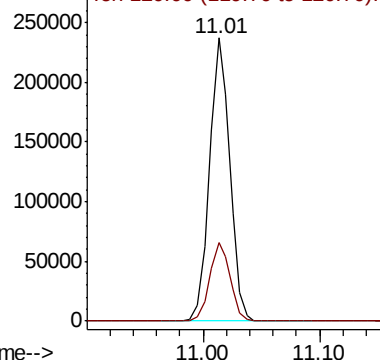
MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.033 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion: 43 Resp: 86594

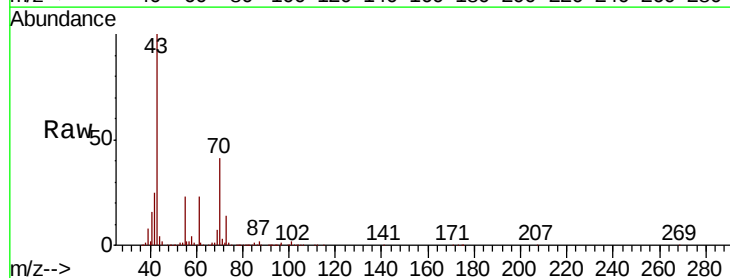
Ion Ratio Lower Upper

43 100

70 41.9 0.2 0.2#

55 22.9 0.1 0.1#

61 23.9 16.4 24.6

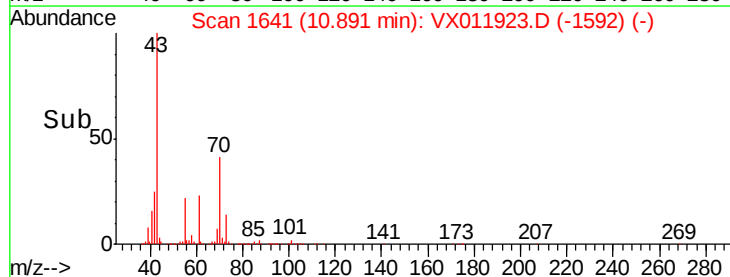
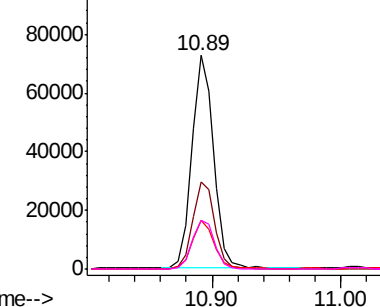


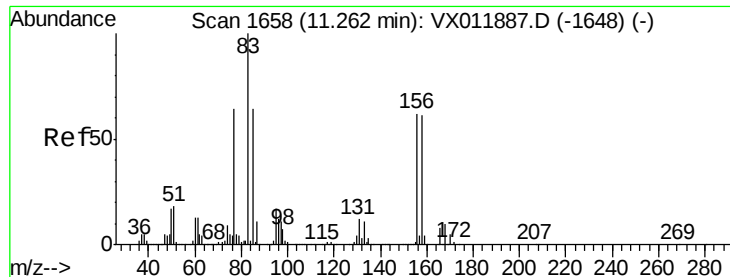
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.655 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

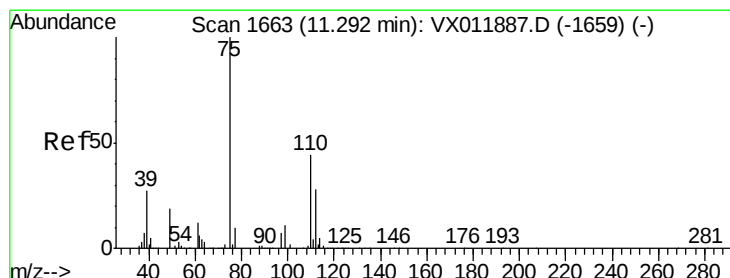
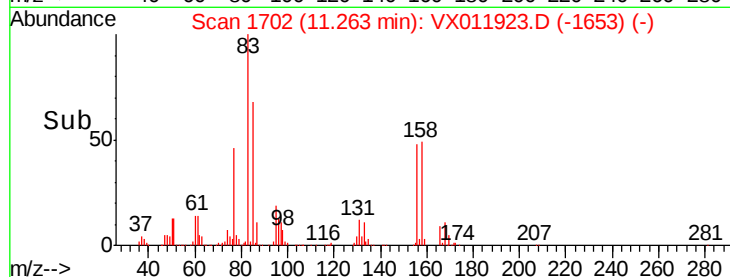
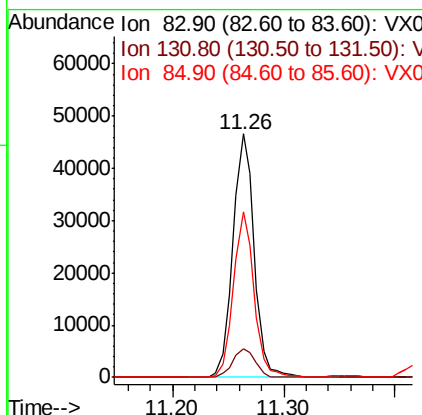
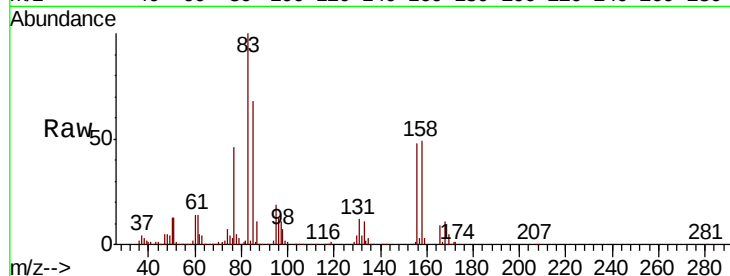
ClientSampleId :

VX0830SBS02

Tot Ion:	83	Resp:	61574
Ion Ratio	Lower	Upper	
83	100		
131	12.4	6.0	18.0
85	66.3	31.9	95.9

Manual Integrations
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9/3/2019 2:41:12 AM



#76

1,2,3-Trichloropropane

Concen: 21.882 ug/l m

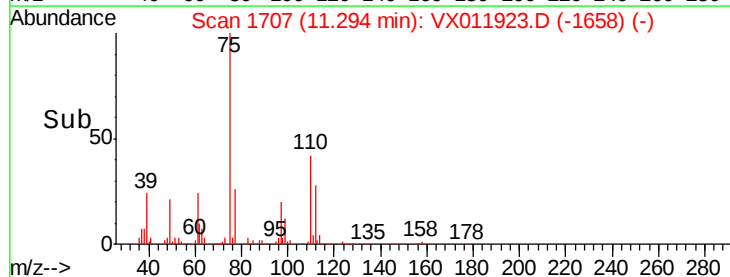
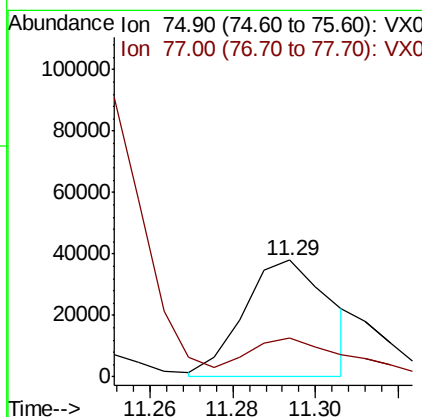
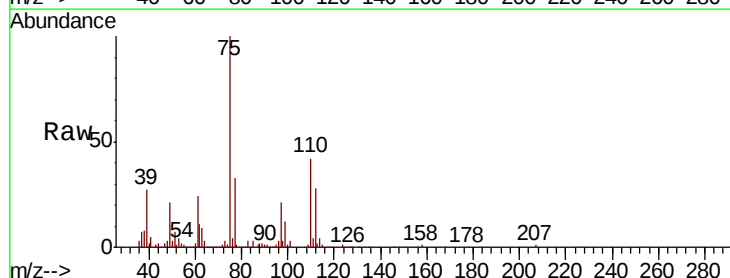
RT: 11.29 min Scan# 1707

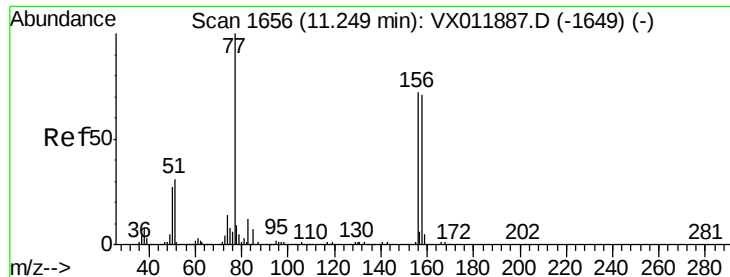
Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	75	Resp:	54568
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.9	62.7





#77

Bromobenzene

Concen: 20.908 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:156 Resp: 88326

Ion Ratio Lower Upper

156 100

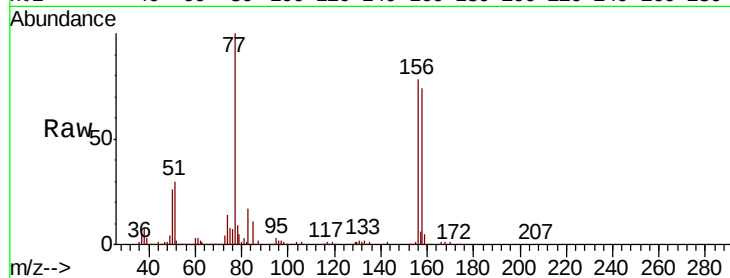
77 133.5 68.1 204.3

158 97.3 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

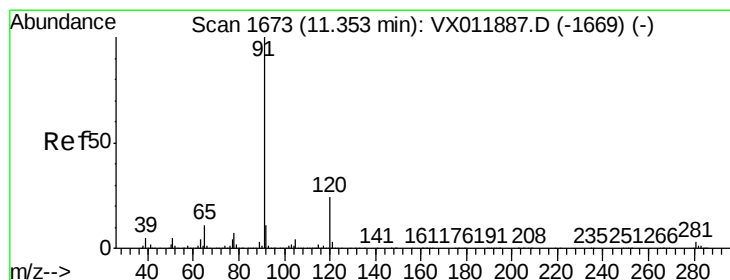
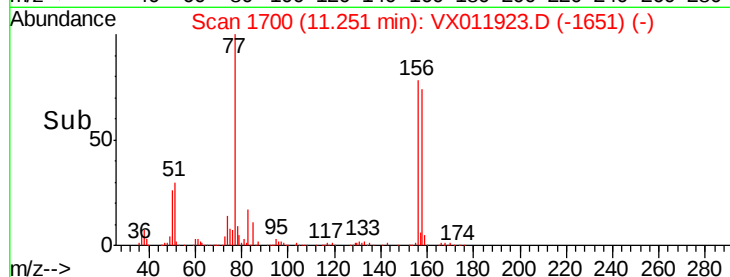
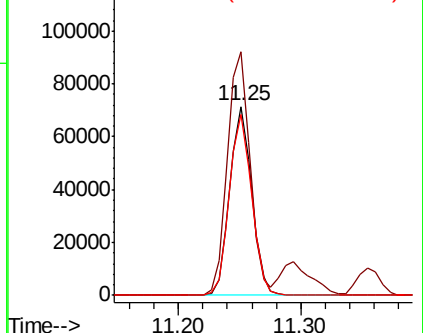
9/3/2019 2:41:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.810 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011923.D

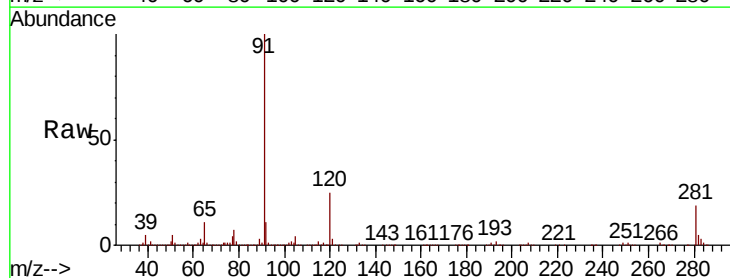
Acq: 30 Aug 2019 23:31

Tgt Ion: 91 Resp: 327206

Ion Ratio Lower Upper

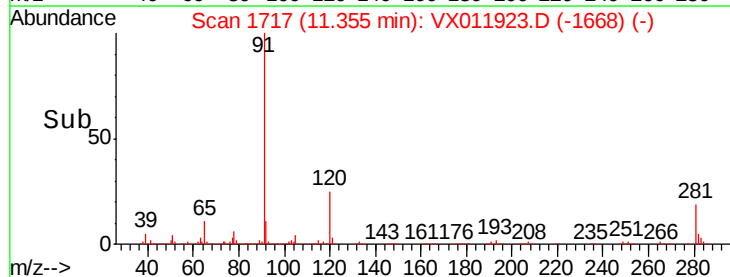
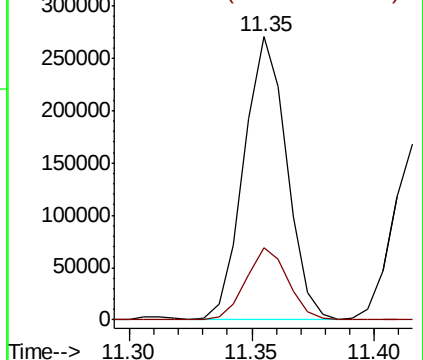
91 100

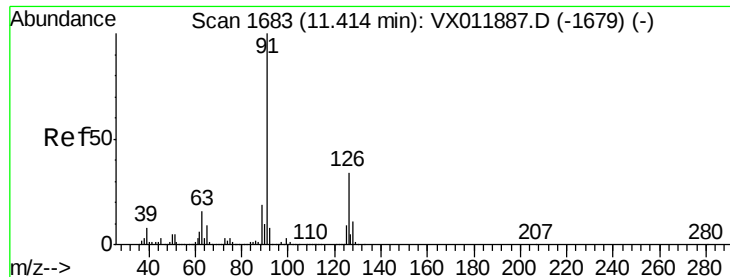
120 25.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





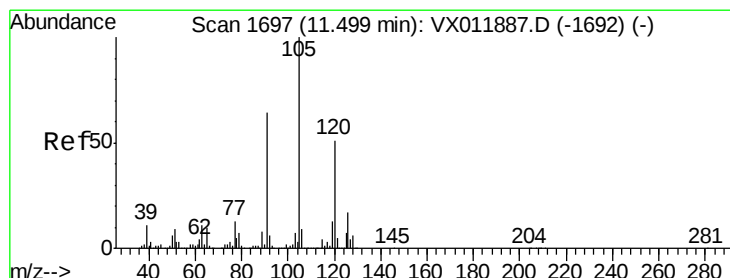
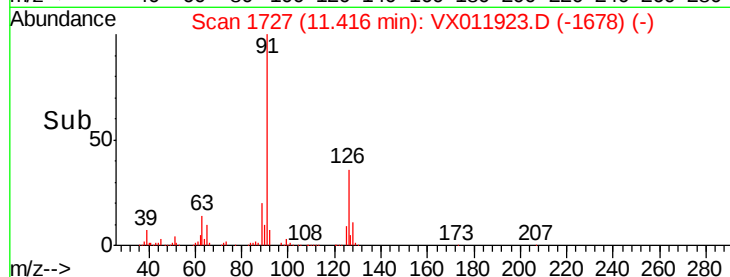
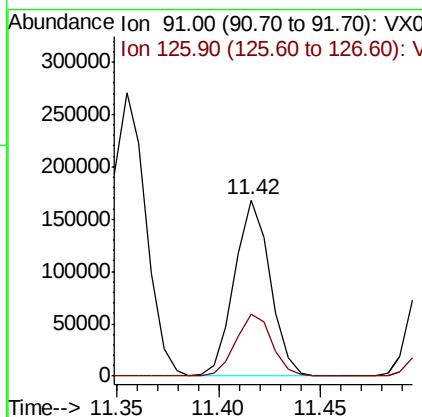
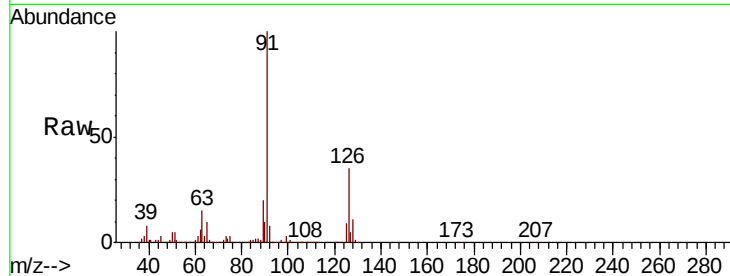
#79
 2-Chlorotoluene
 Concen: 20.388 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8

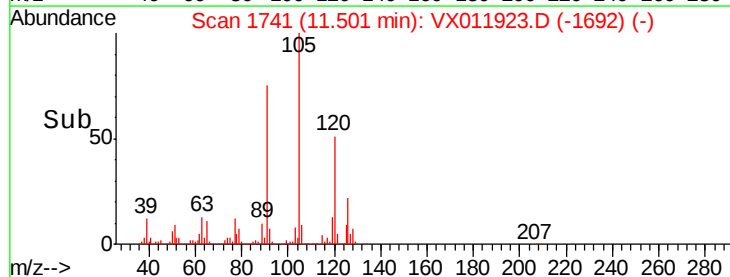
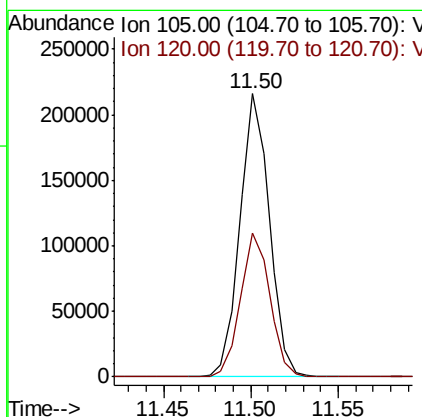
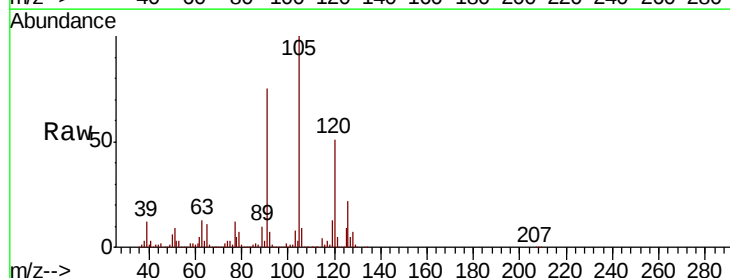
Manual Integrations
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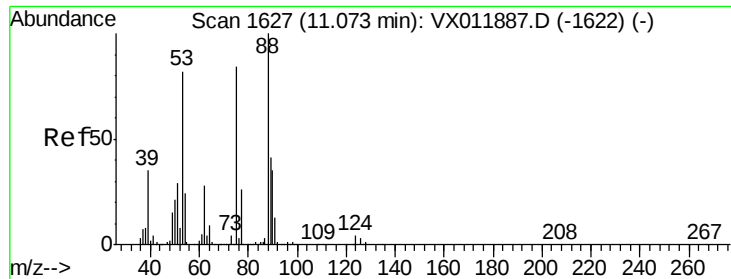
MMDadoda
 9/3/2019 2:41:12 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.090 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.2	25.3	75.9





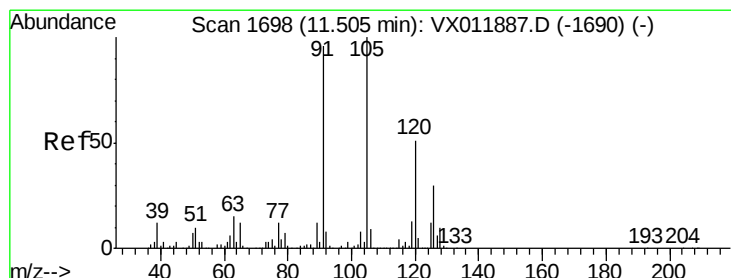
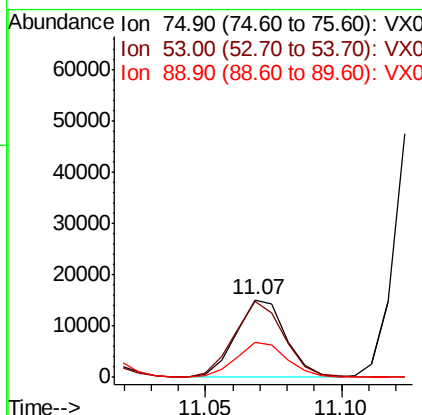
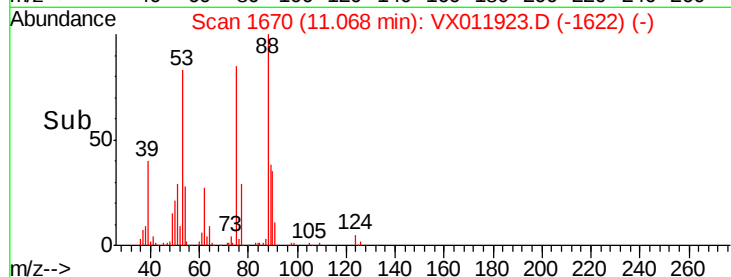
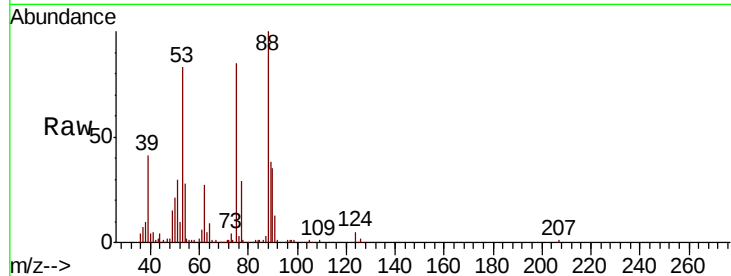
#81
trans-1,4-Dichloro-2-butene
Concen: 19.095 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	77.1	115.7
89	47.0	38.2	57.2

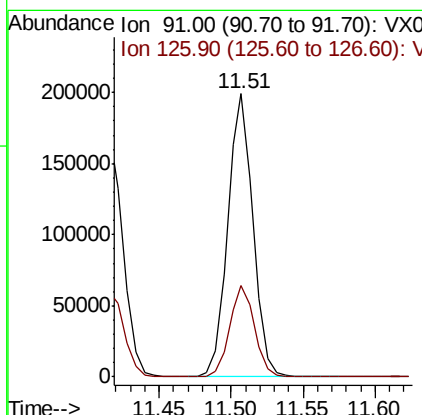
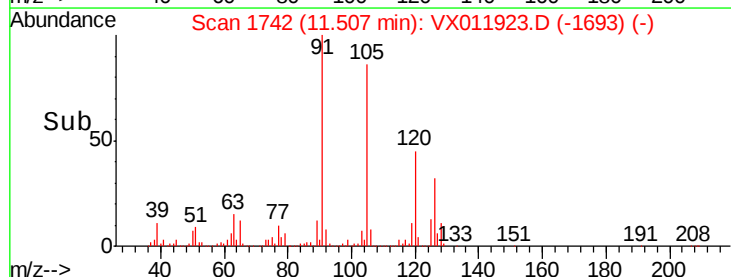
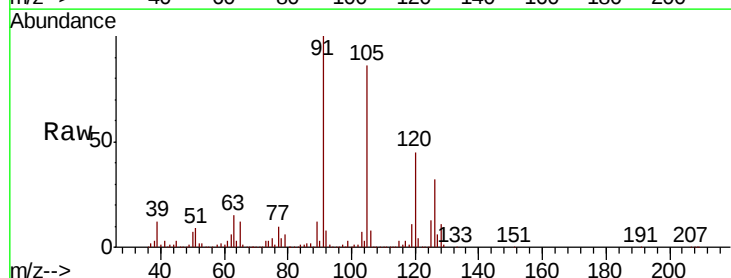
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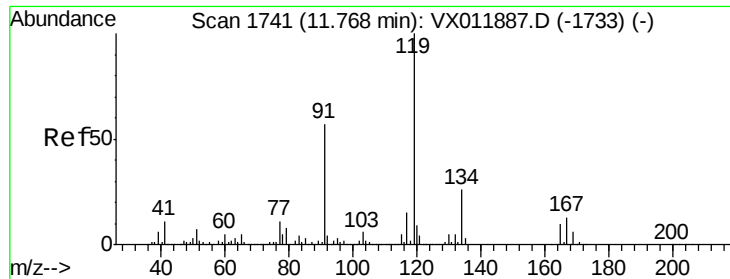
MMDadoda
9/3/2019 2:41:12 AM



#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





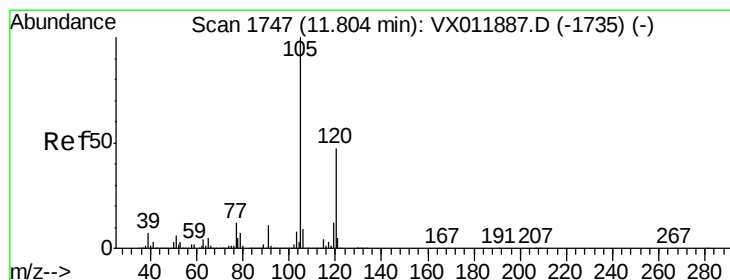
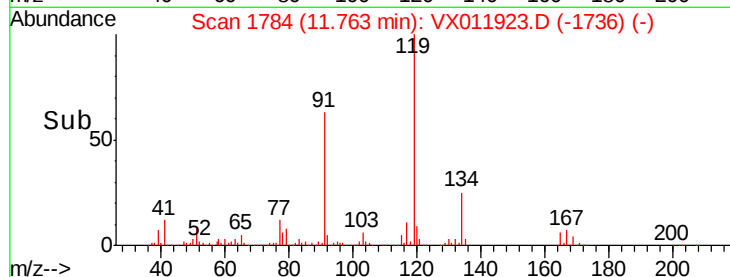
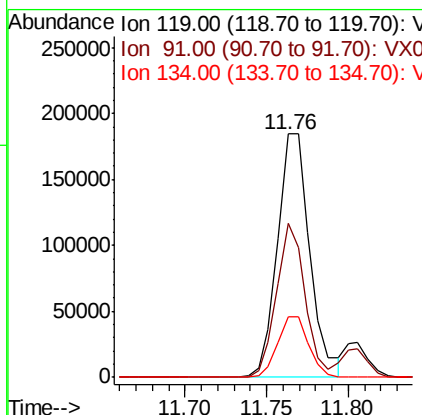
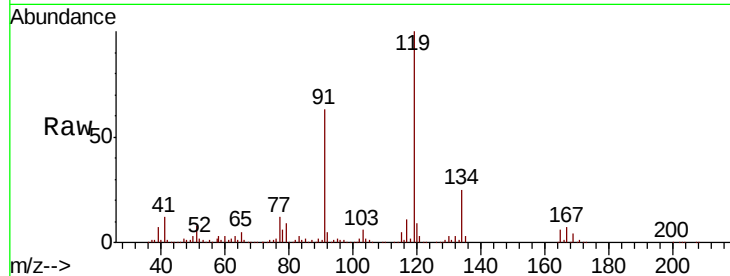
#83
 tert-Butylbenzene
 Concen: 20.115 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256609		
91	55.4		27.9	83.6
134	24.0		12.3	36.8

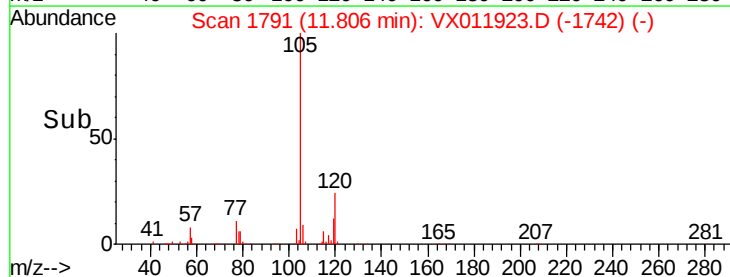
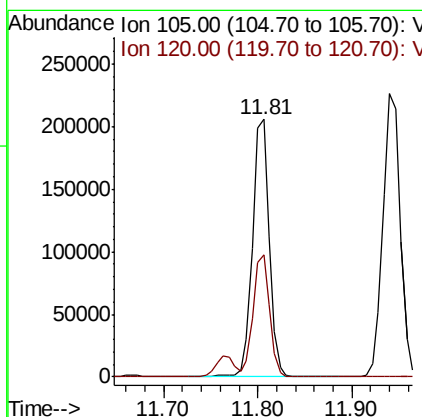
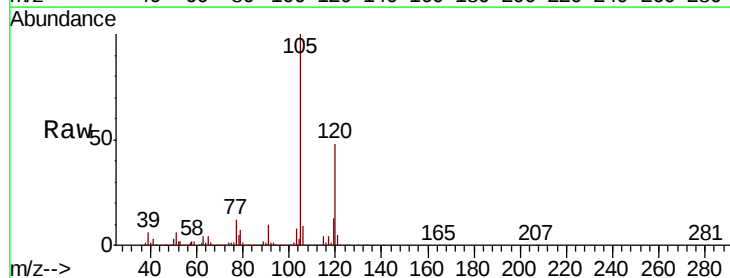
Manual Integrations
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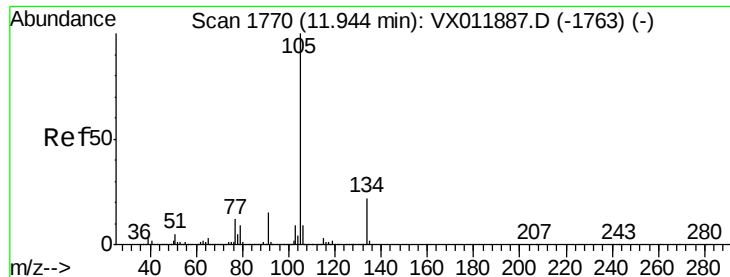
MMDadoda
 9/3/2019 2:41:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.058 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258440		
120	46.9		23.4	70.3





#85

sec-Butylbenzene

Concen: 19.577 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:105 Resp: 290090

Ion Ratio Lower Upper

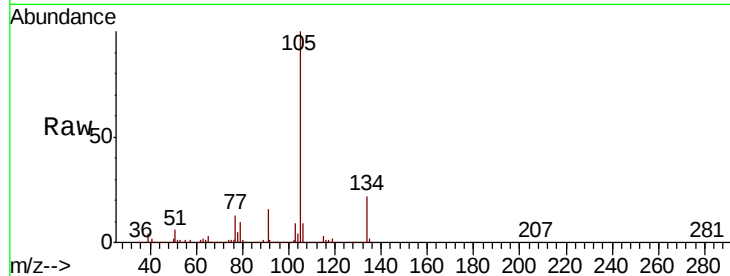
105 100

134 22.2 10.9 32.7

Manual Integrations
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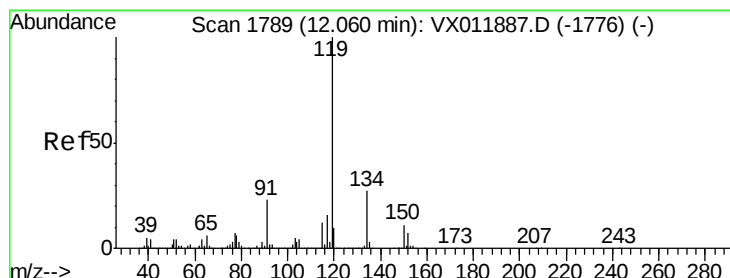
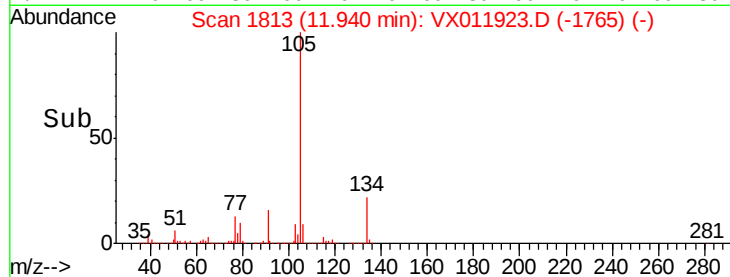
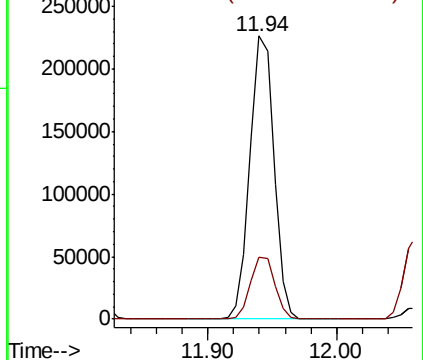
MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.550 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

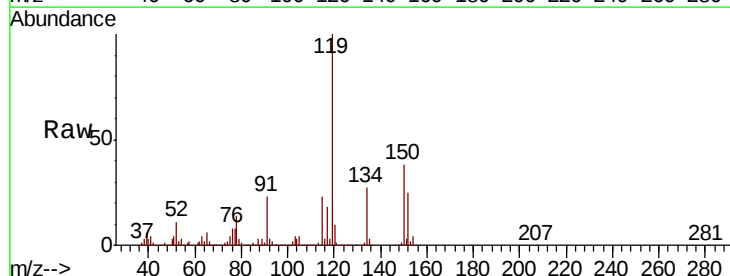
Tgt Ion:119 Resp: 280894

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.0

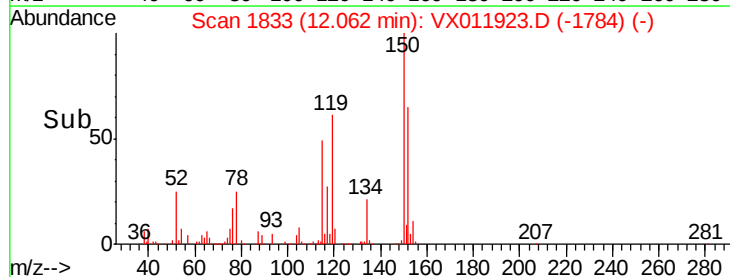
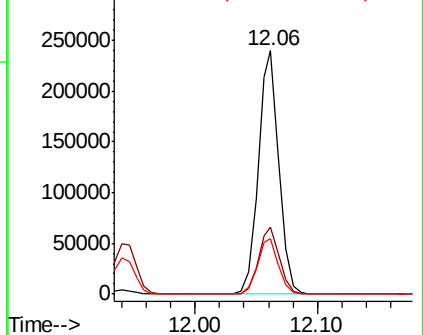
91 23.2 11.6 34.7

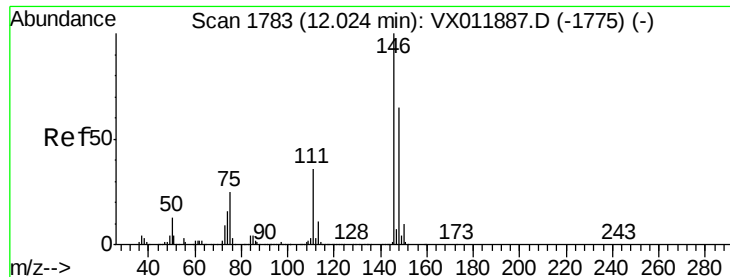


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





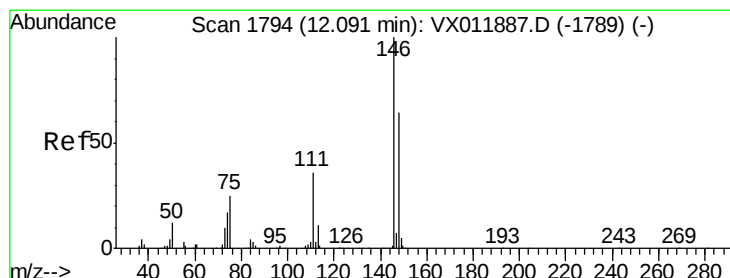
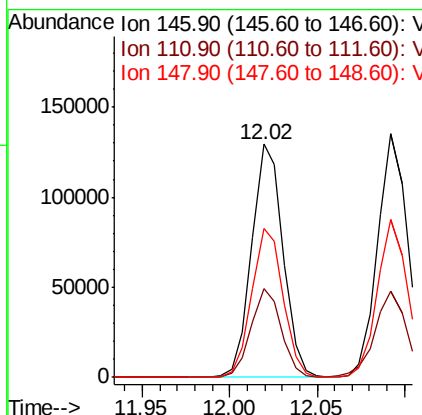
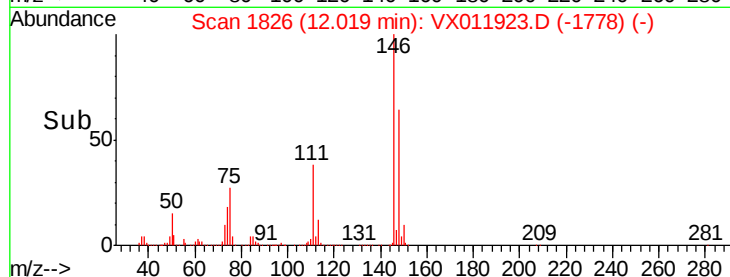
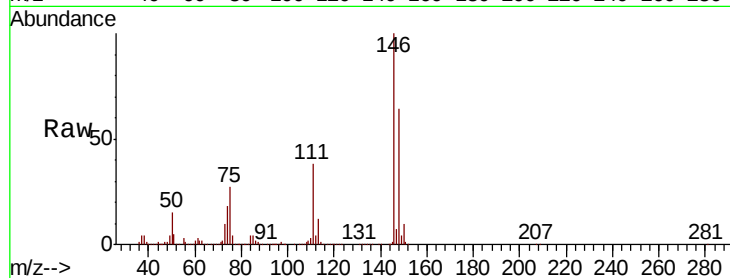
#87
 1,3-Dichlorobenzene
 Concen: 20.559 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.0	32.1	96.5

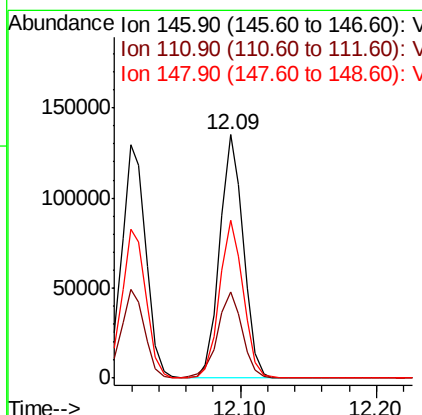
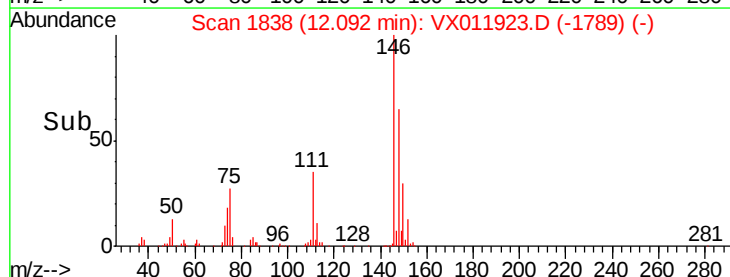
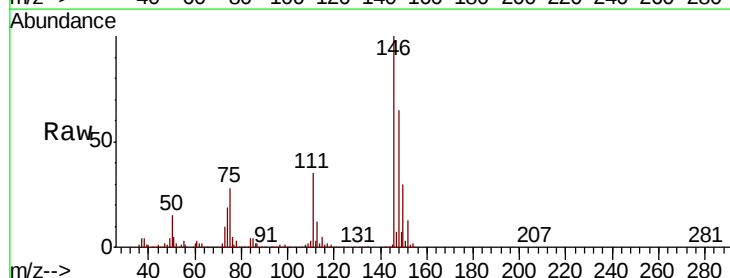
Manual Integrations
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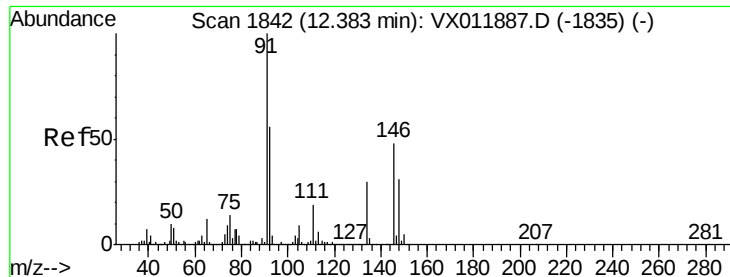
MMDadoda
 9/3/2019 2:41:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.439 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.9	53.7
148	65.1	32.4	97.0





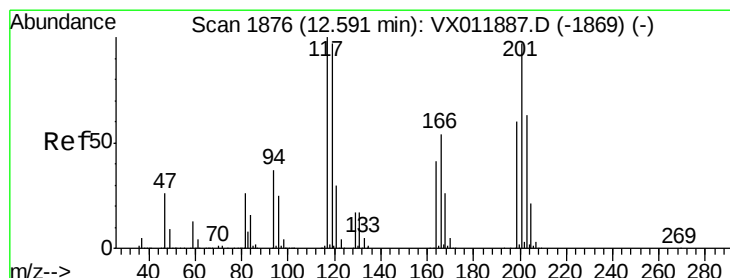
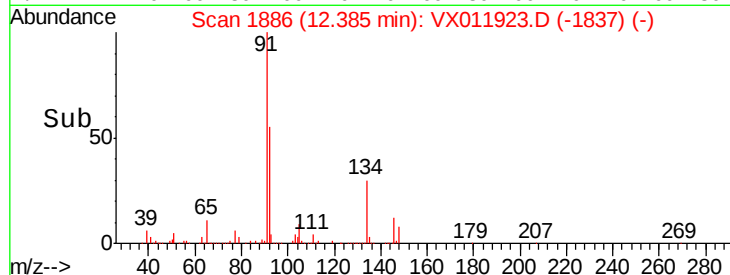
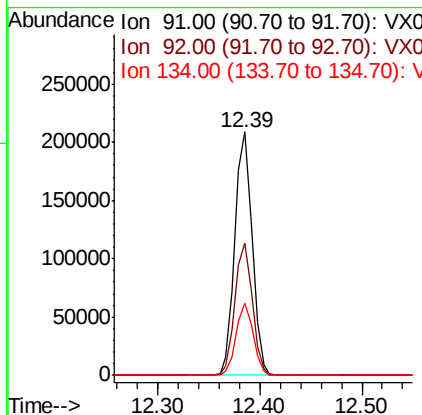
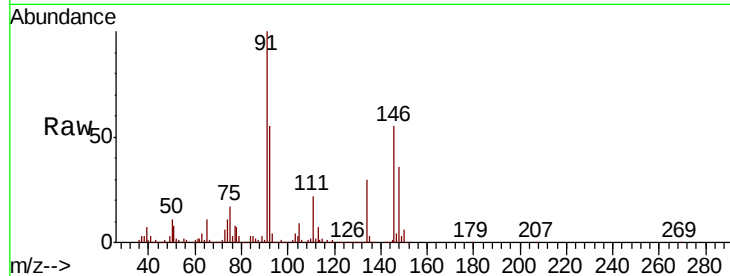
#89
n-Butylbenzene
Concen: 19.127 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	29.2	14.8	44.3

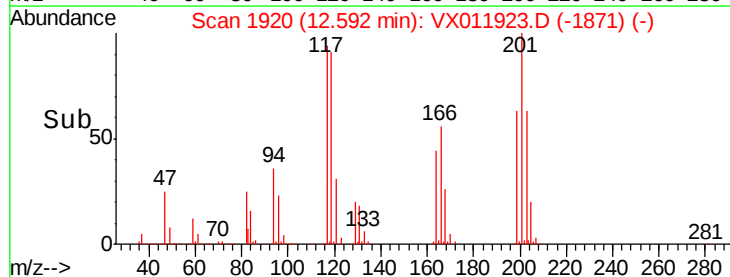
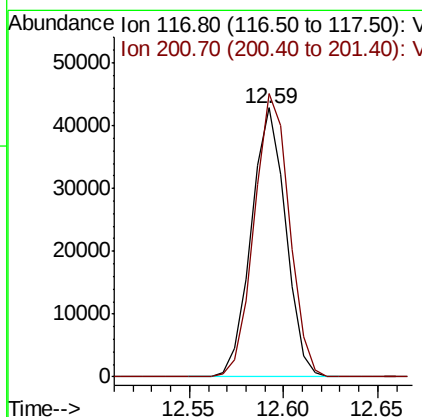
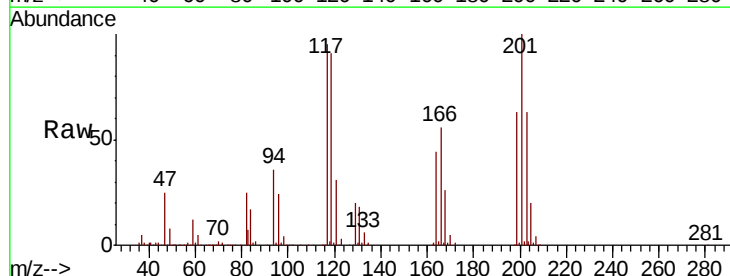
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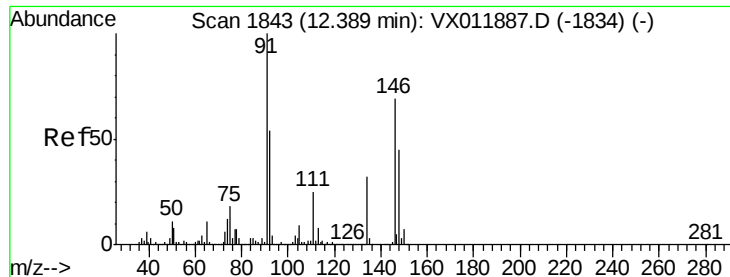
MMDadoda
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#90
Hexachloroethane
Concen: 19.495 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.3	52.8	158.5





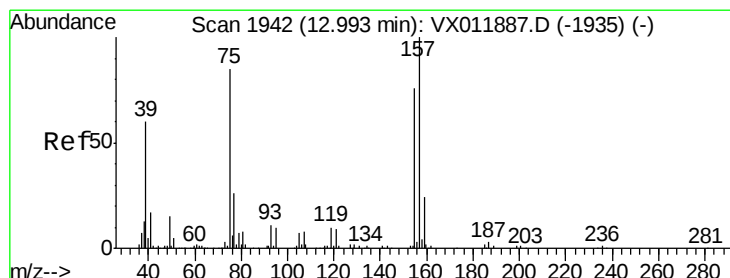
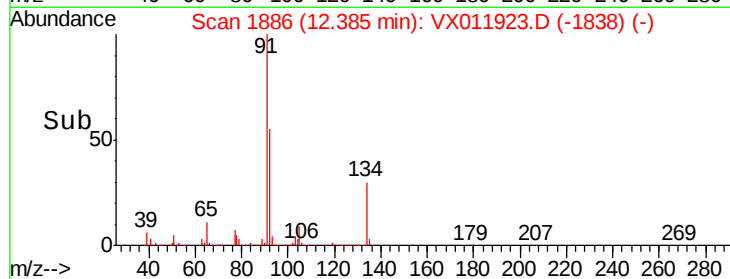
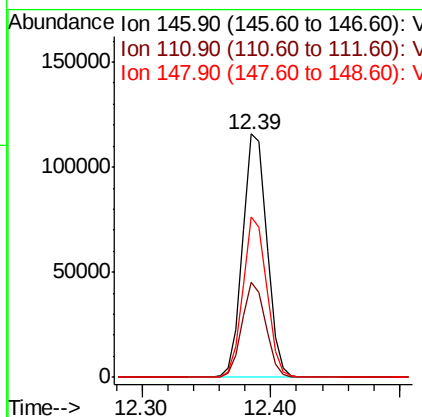
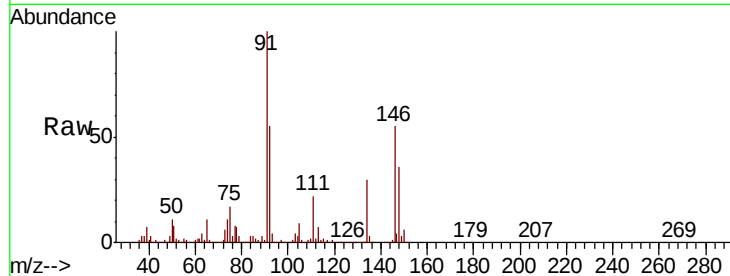
#91
 1,2-Dichlorobenzene
 Concen: 20.619 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150510		
111	38.3	18.9	56.5	
148	64.8	32.1	96.3	

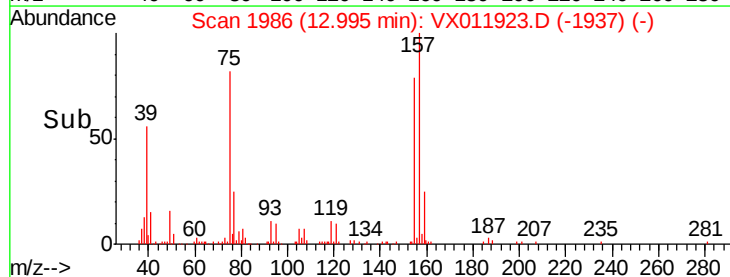
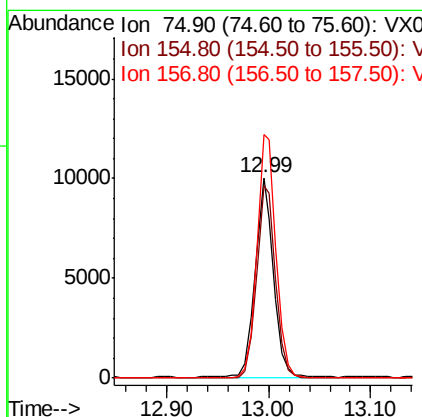
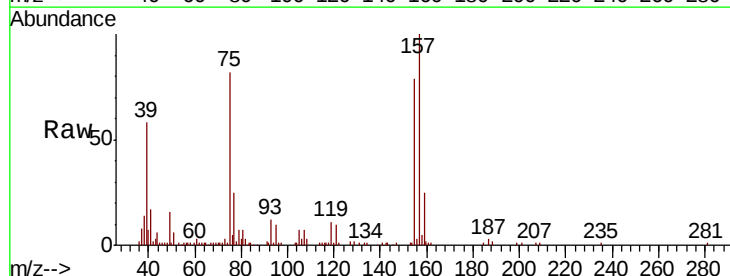
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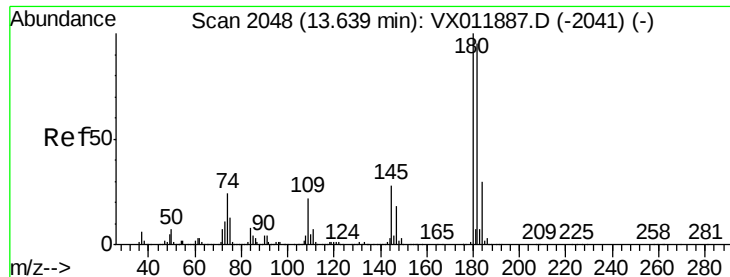
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.763 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12923		
155	96.9	50.1	150.4	
157	124.0	63.9	191.7	





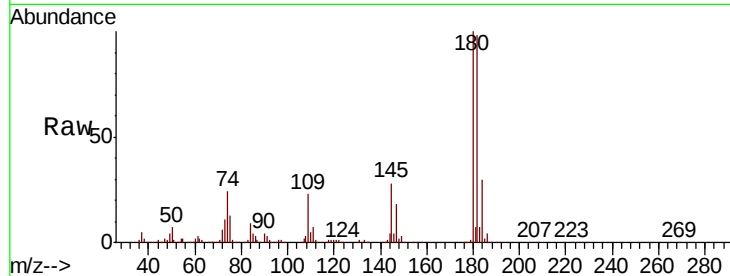
#93
 1,2,4-Trichlorobenzene
 Concen: 19.952 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

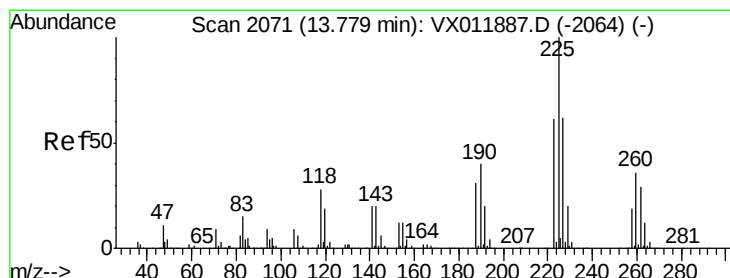
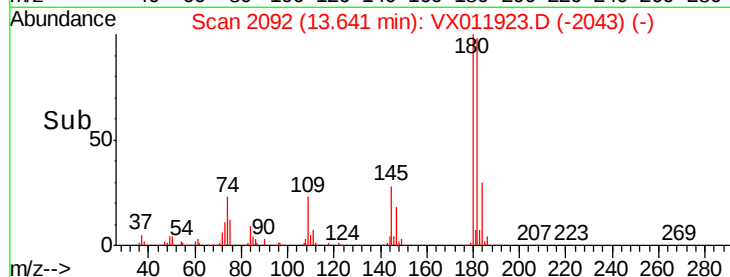
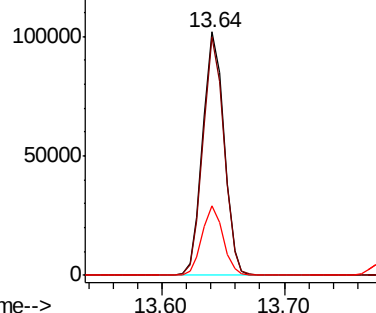
Tot Ion:	180	Resp:	122631
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.1	144.4
145	28.0	13.8	41.3

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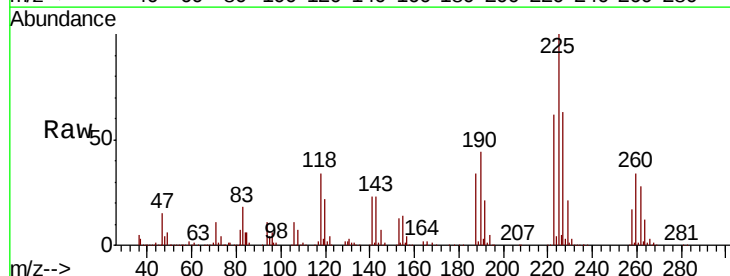


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

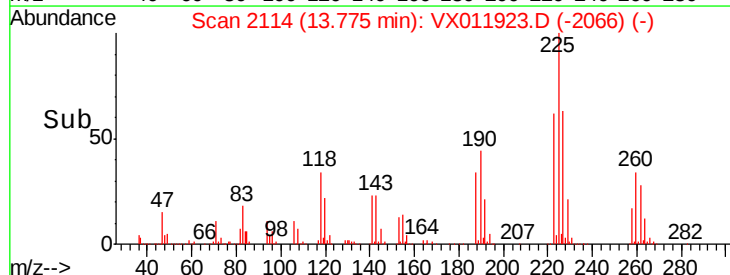
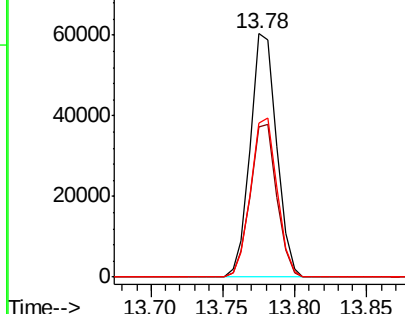


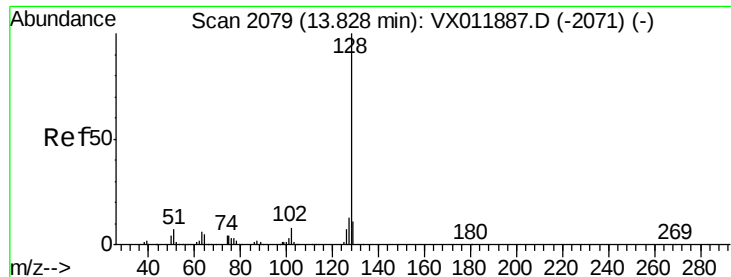
#94
 Hexachlorobutadiene
 Concen: 18.511 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion:	225	Resp:	75983
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.8	92.3
227	65.4	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.637 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

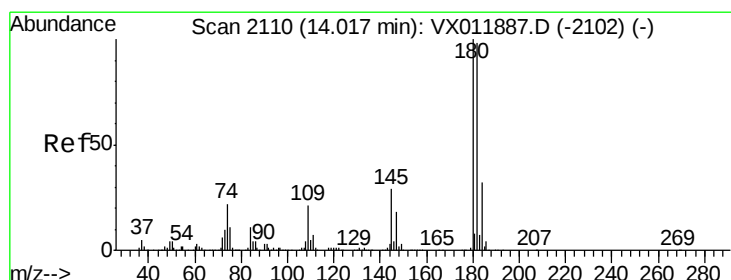
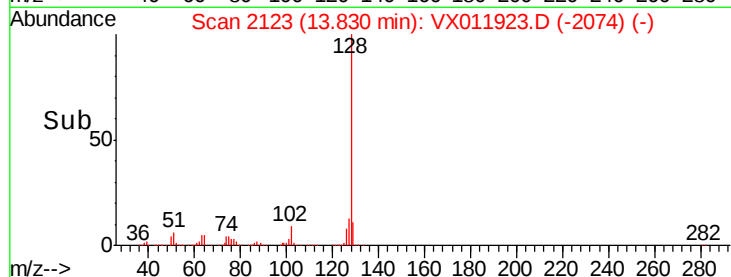
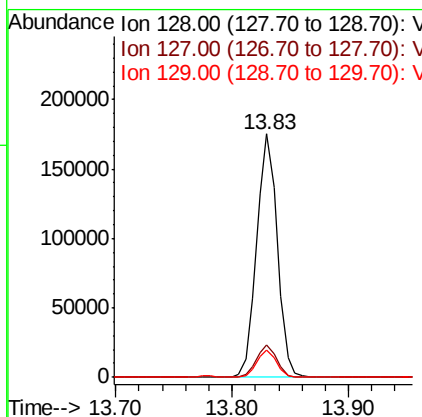
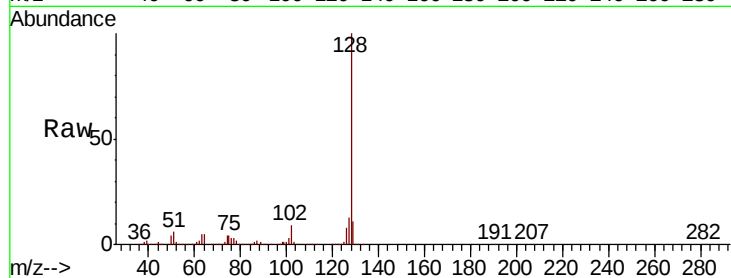
ClientSampleId :

VX0830SBS02

Tot Ion:	128	Resp:	217691
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 20.710 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	180	Resp:	115107
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.8
145	29.1	14.6	43.8

