

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011907.D
 Acq On : 30 Aug 2019 14:07
 Operator : SY/SP
 Sample : VX0830SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:07 AM

Quant Time: Aug 31 02:17:29 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	365991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	503810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	172070	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.48	113	161222	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.71	98	584680	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.14	95	240562	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	49430	22.377	ug/l	100
3) Chloromethane	1.31	50	50857	19.861	ug/l	99
4) Vinyl Chloride	1.39	62	49390	20.199	ug/l	96
5) Bromomethane	1.62	94	35138	20.769	ug/l	100
6) Chloroethane	1.70	64	30194	19.841	ug/l	93
7) Trichlorofluoromethane	1.91	101	87670	20.645	ug/l	97
8) Diethyl Ether	2.17	74	29424	20.161	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	57369	20.728	ug/l	99
10) Methyl Iodide	2.50	142	40703	16.156	ug/l	99
11) Tert butyl alcohol	3.03	59	36133	107.107	ug/l	98
12) 1,1-Dichloroethene	2.36	96	51492	20.032	ug/l	99
13) Acrolein	2.28	56	18155	108.125	ug/l	98
14) Allyl chloride	2.71	41	96233	19.957	ug/l	100
15) Acrylonitrile	3.12	53	84318	105.183	ug/l	98
16) Acetone	2.43	43	77401	102.591	ug/l	99
17) Carbon Disulfide	2.55	76	135469	18.373	ug/l	98
18) Methyl Acetate	2.76	43	49425	23.666	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	173931	20.886	ug/l	99
20) Methylene Chloride	2.84	84	69450	18.477	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	60817	20.085	ug/l	98
22) Diisopropyl ether	3.84	45	200430	20.361	ug/l	95
23) Vinyl Acetate	3.80	43	640025	101.128	ug/l	100
24) 1,1-Dichloroethane	3.68	63	110719	20.396	ug/l	100
25) 2-Butanone	4.65	43	114640	104.327	ug/l	95
26) 2,2-Dichloropropane	4.57	77	96192	21.127	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	74166	20.794	ug/l	98
28) Bromochloromethane	5.00	49	47358	19.442	ug/l	98
29) Tetrahydrofuran	5.11	42	73373	106.979	ug/l	99
30) Chloroform	5.19	83	118882	20.482	ug/l	94
31) Cyclohexane	5.56	56	89495	20.440	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	105429	20.448	ug/l	99
36) 1,1-Dichloropropene	5.78	75	80504	20.169	ug/l	99
37) Ethyl Acetate	4.82	43	49140	20.799	ug/l	98
38) Carbon Tetrachloride	5.77	117	95838	20.703	ug/l	98

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Manual Integrations
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MMDadoda
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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	98855	20.793	ug/l	97
40) Benzene	6.13	78	244831	20.550	ug/l	100
41) Methacrylonitrile	5.03	41	29739	21.378	ug/l	98
42) 1,2-Dichloroethane	6.18	62	85309	21.055	ug/l	100
43) Isopropyl Acetate	6.43	43	99480	20.768	ug/l	100
44) Trichloroethene	7.20	130	75469	20.473	ug/l	94
45) 1,2-Dichloropropane	7.51	63	64788	20.789	ug/l	100
46) Dibromomethane	7.65	93	38465	20.797	ug/l	98
47) Bromodichloromethane	7.89	83	94850	20.681	ug/l	97
48) Methyl methacrylate	7.76	41	49252	21.132	ug/l	99
49) 1,4-Dioxane	7.73	88	13698	427.390	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	260116	106.892	ug/l	100
52) Toluene	8.78	92	162184	20.576	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	97970	20.854	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	108783	20.628	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	57197	21.124	ug/l	98
56) Ethyl methacrylate	9.17	69	77897	20.729	ug/l	99
57) 1,3-Dichloropropane	9.37	76	94867	21.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	182128	101.755	ug/l	100
59) 2-Hexanone	9.48	43	185009	107.030	ug/l	100
60) Dibromochloromethane	9.57	129	76327	20.988	ug/l	100
61) 1,2-Dibromoethane	9.67	107	56780	21.151	ug/l	100
64) Tetrachloroethene	9.33	164	78434	20.464	ug/l	98
65) Chlorobenzene	10.14	112	190854	20.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	78270	20.962	ug/l	99
67) Ethyl Benzene	10.25	91	321664	20.480	ug/l	100
68) m/p-Xylenes	10.35	106	248751	41.016	ug/l	99
69) o-Xylene	10.70	106	120962	20.468	ug/l	99
70) Styrene	10.71	104	215070	20.647	ug/l	99
71) Bromoform	10.85	173	55341	20.961	ug/l #	99
73) Isopropylbenzene	11.01	105	330265	20.659	ug/l	100
74) N-amyl acetate	10.89	43	96330	20.305	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	68831	21.038	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60502m	22.105	ug/l	
77) Bromobenzene	11.25	156	96084	20.723	ug/l	99
78) n-propylbenzene	11.35	91	374132	20.638	ug/l	99
79) 2-Chlorotoluene	11.42	91	225070	20.627	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	283540	20.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	22761	20.892	ug/l	100
82) 4-Chlorotoluene	11.51	91	269152	20.446	ug/l	100
83) tert-Butylbenzene	11.76	119	294768	21.052	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	288442	20.397	ug/l	100
85) sec-Butylbenzene	11.94	105	338347	20.805	ug/l	100
86) p-Isopropyltoluene	12.06	119	326447	20.701	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	177809	20.635	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	176556	20.268	ug/l	97
89) n-Butylbenzene	12.38	91	286159	20.511	ug/l	100
90) Hexachloroethane	12.59	117	63671	20.870	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	164279	20.506	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13309	20.421	ug/l	95

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MSVOA_X
ClientSampleId :
VX0830SBSD01

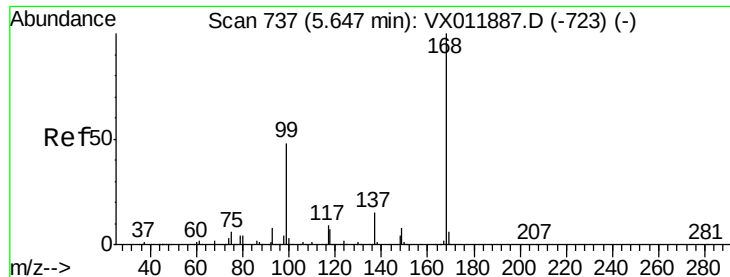
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	140469	20.823	ug/l	99
94) Hexachlorobutadiene	13.78	225	94744	21.031	ug/l	99
95) Naphthalene	13.83	128	238923	20.637	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124405	20.394	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:168 Resp: 365991

Ion Ratio Lower Upper

168 100

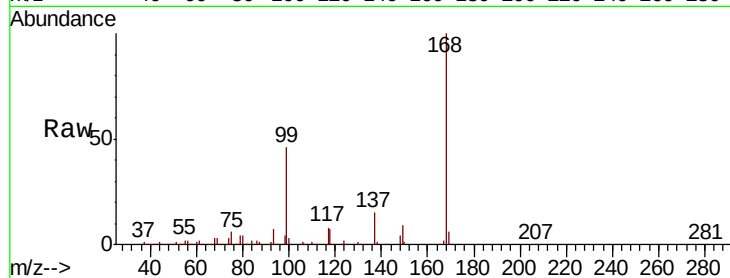
99 46.1 38.4 57.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

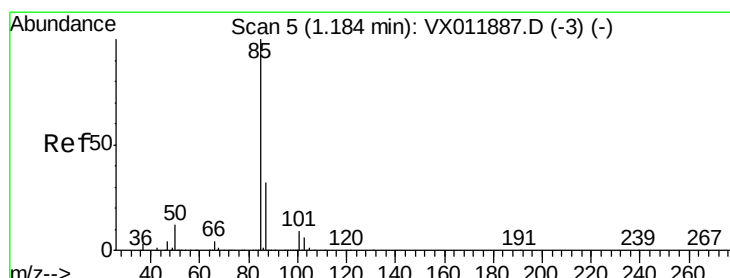
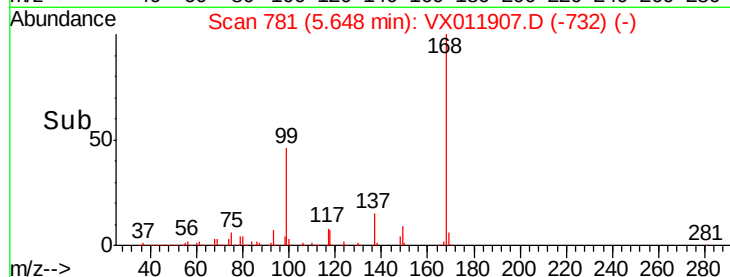
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.377 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011907.D

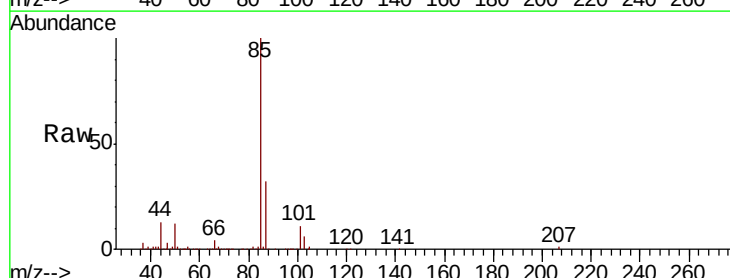
Acq: 30 Aug 2019 14:07

Tgt Ion: 85 Resp: 49430

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

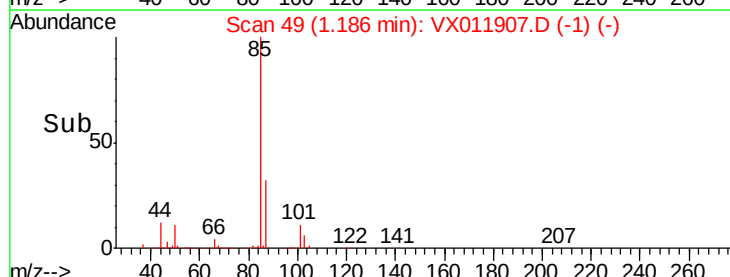
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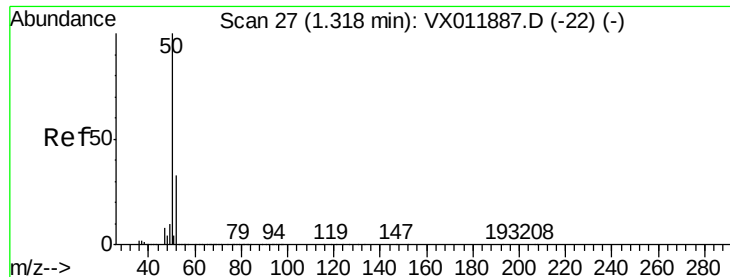
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.861 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 50 Resp: 50857

Ion Ratio Lower Upper

50 100

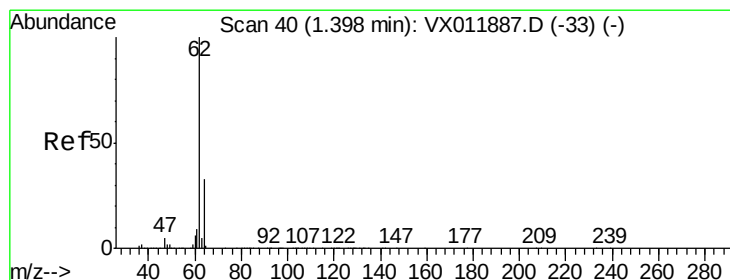
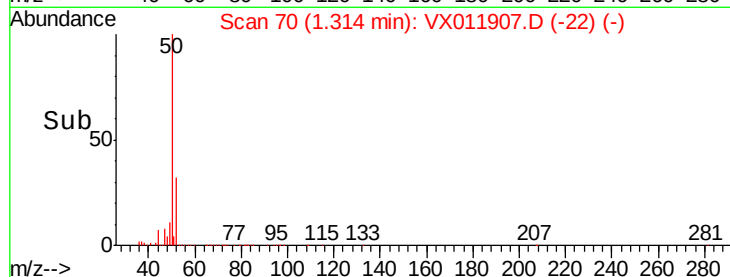
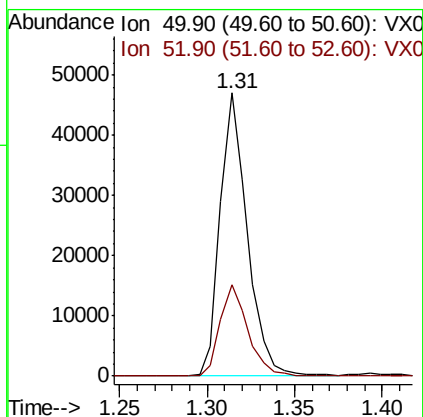
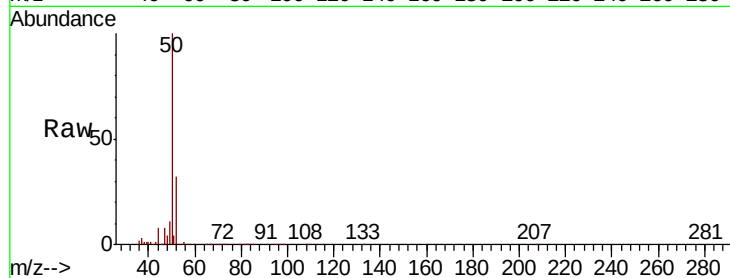
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.199 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011907.D

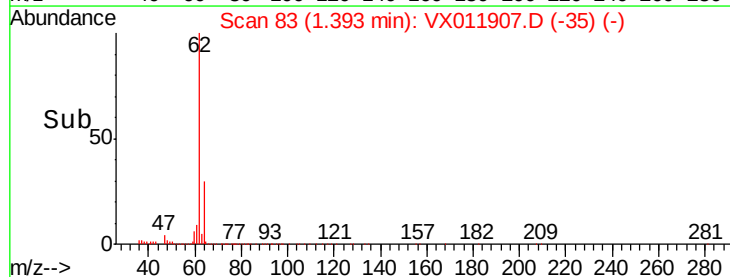
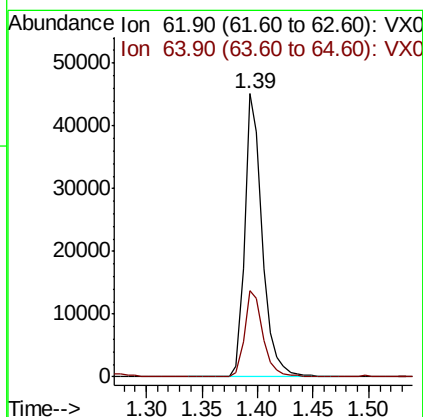
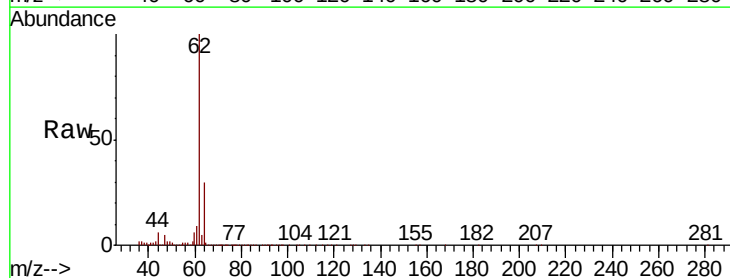
Acq: 30 Aug 2019 14:07

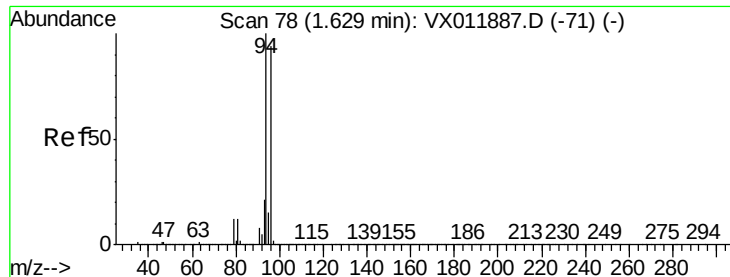
Tgt Ion: 62 Resp: 49390

Ion Ratio Lower Upper

62 100

64 30.1 26.0 39.0





#5

Bromomethane

Concen: 20.769 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 94 Resp: 35138

Ion Ratio Lower Upper

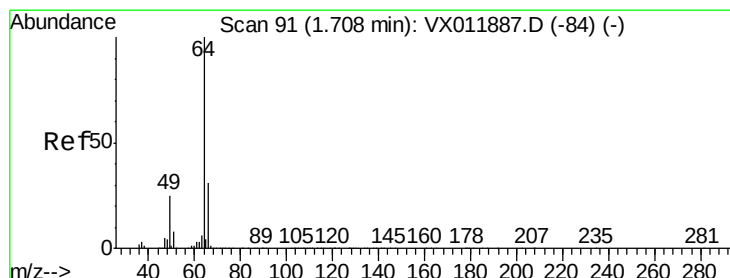
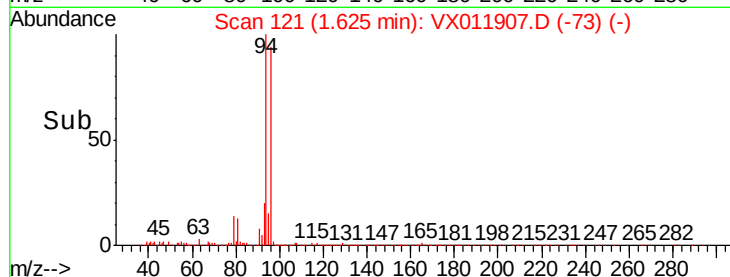
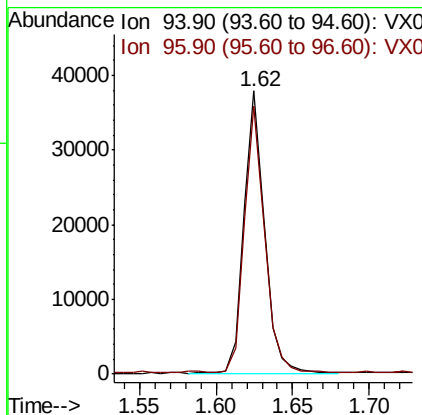
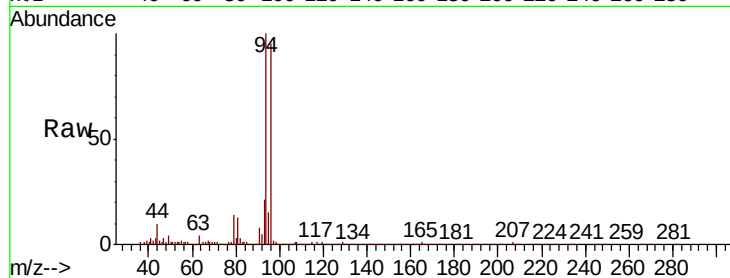
94 100

96 94.2 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 19.841 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011907.D

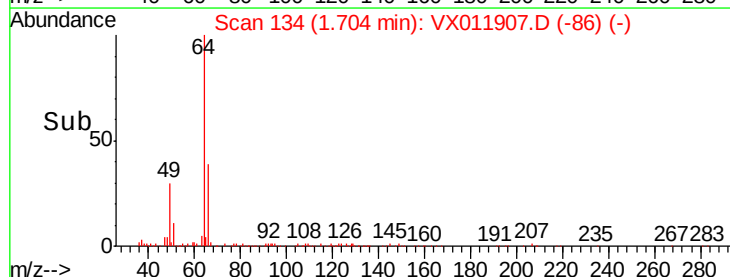
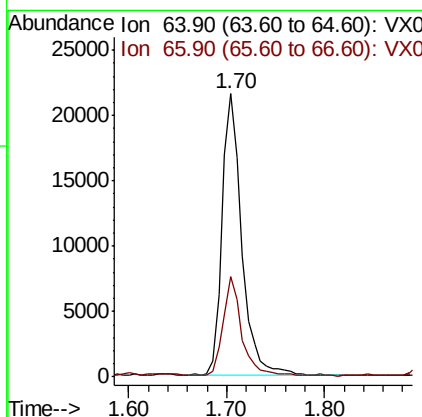
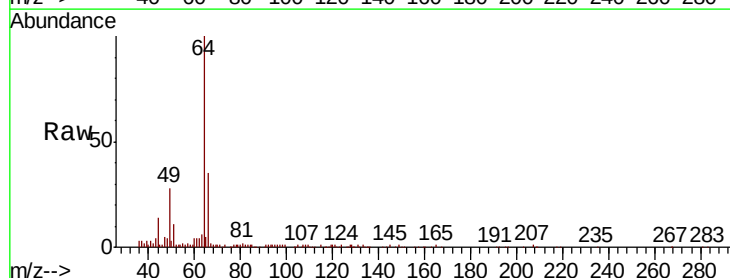
Acq: 30 Aug 2019 14:07

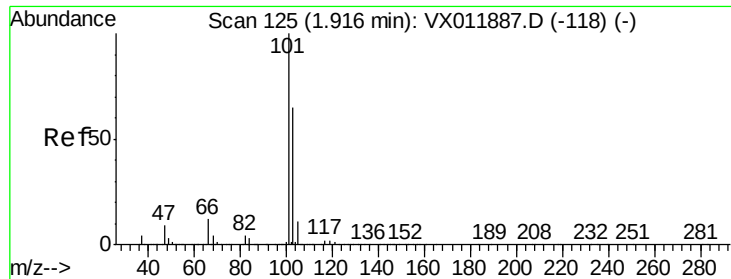
Tgt Ion: 64 Resp: 30194

Ion Ratio Lower Upper

64 100

66 35.2 25.0 37.4





#7

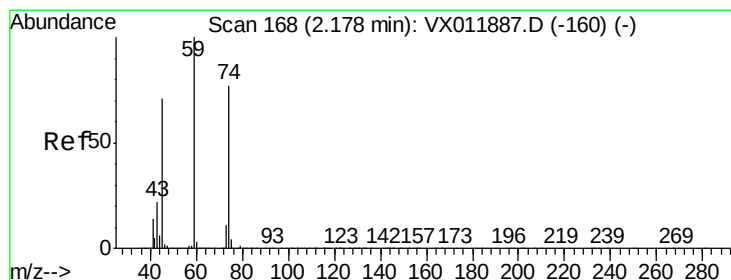
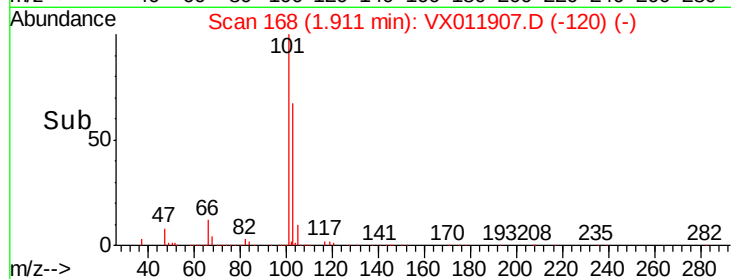
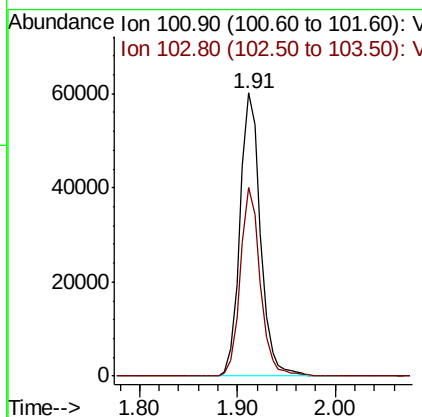
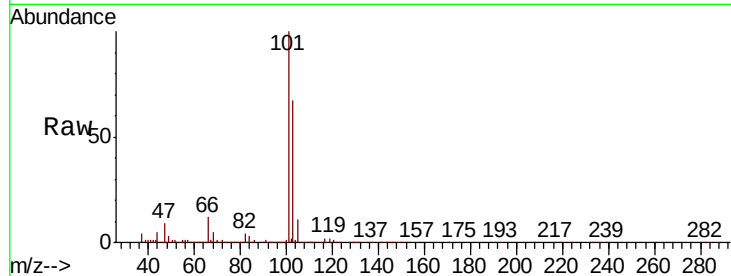
Trichlorofluoromethane
 Concen: 20.645 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
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 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.6	77.4

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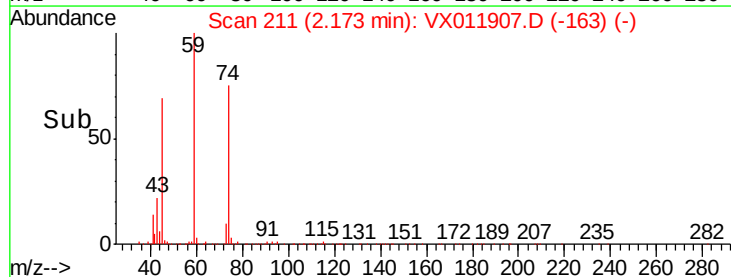
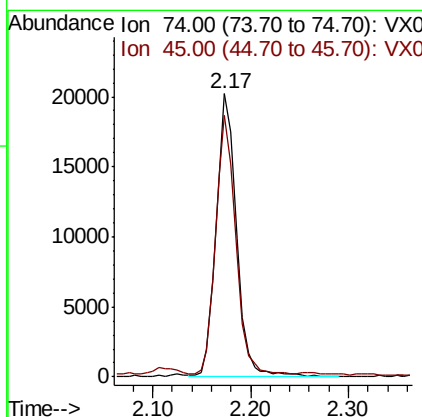
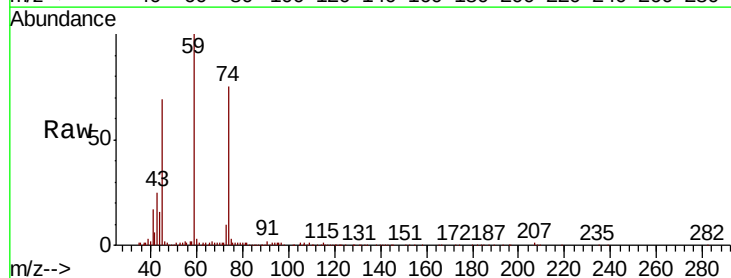
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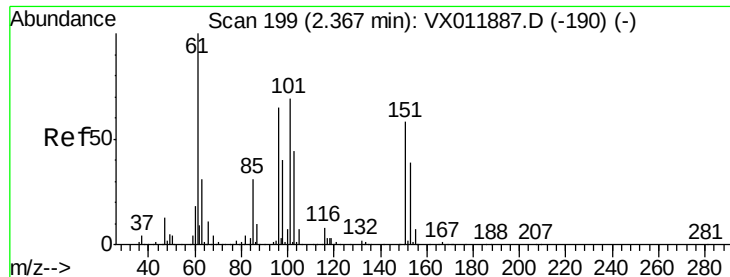


#8

Diethyl Ether
 Concen: 20.161 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.728 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

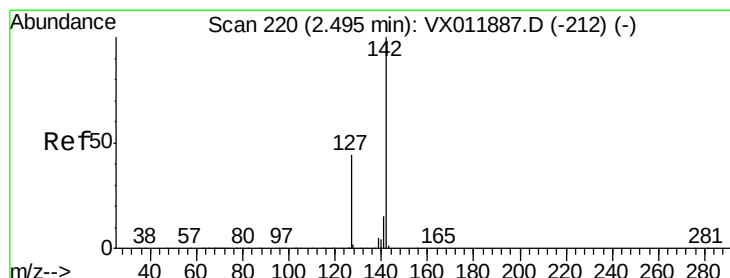
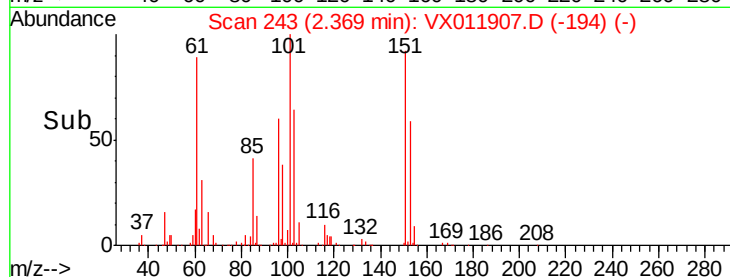
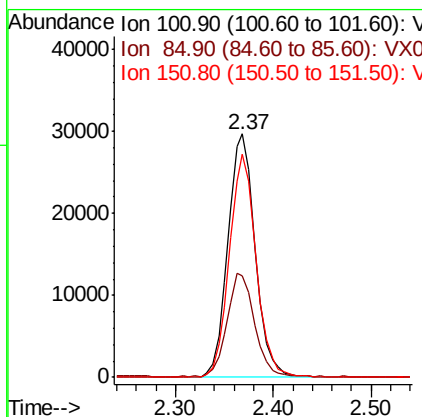
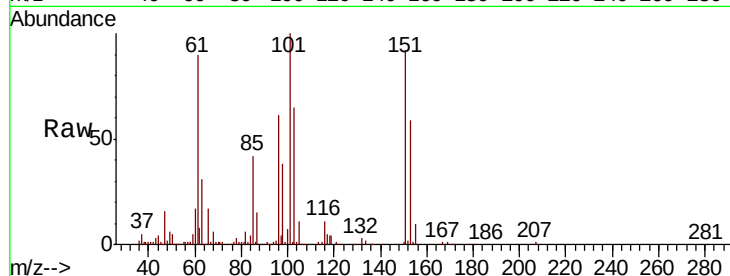
ClientSampleId :

VX0830SBS01

Tot Ion:	101	Resp:	57369
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.9	52.3
151	89.9	70.9	106.3

Manual Integrations
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9/3/2019 2:41:07 AM



#10

Methyl Iodide

Concen: 16.156 ug/l

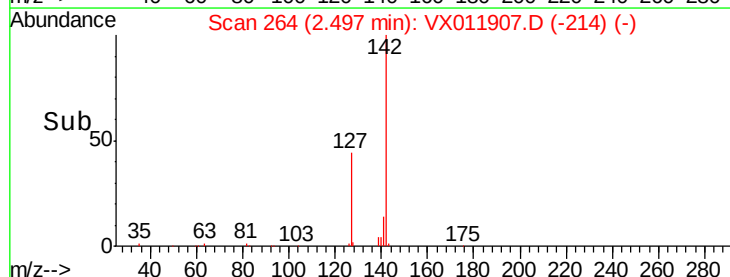
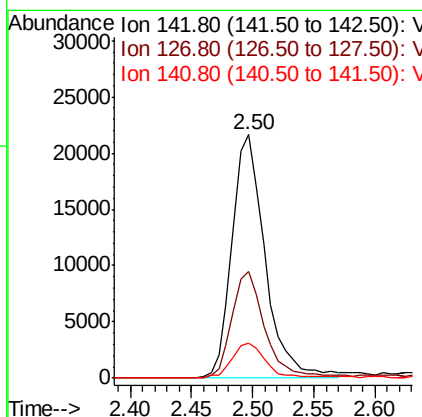
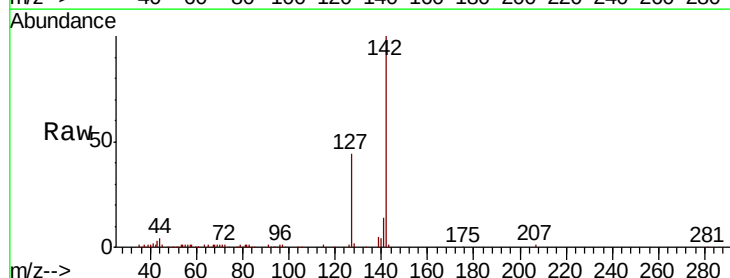
RT: 2.50 min Scan# 264

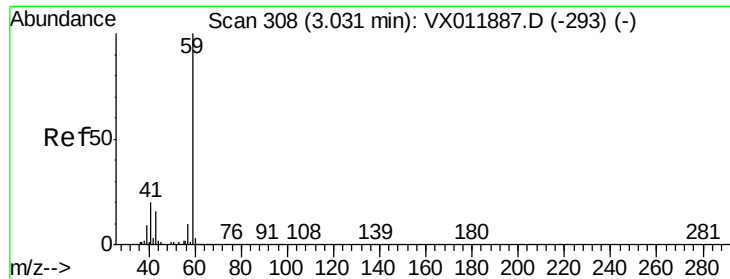
Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	142	Resp:	40703
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	15.1	11.8	17.6





#11

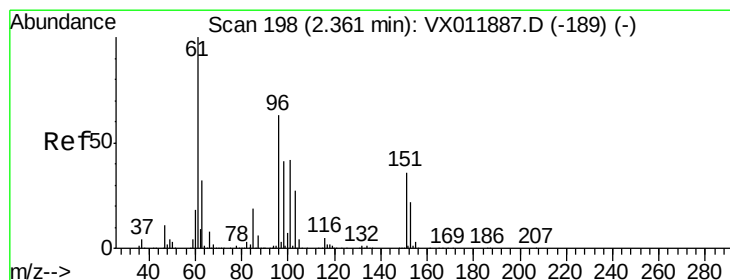
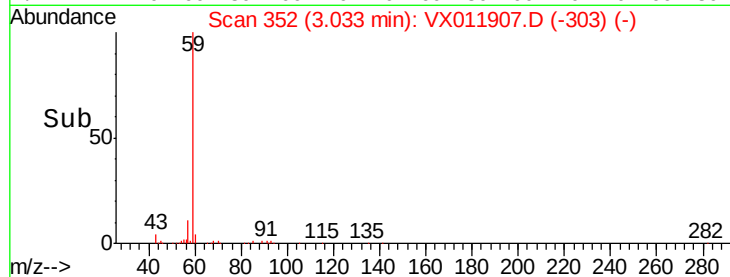
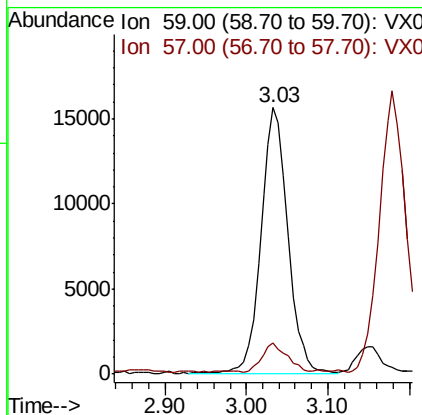
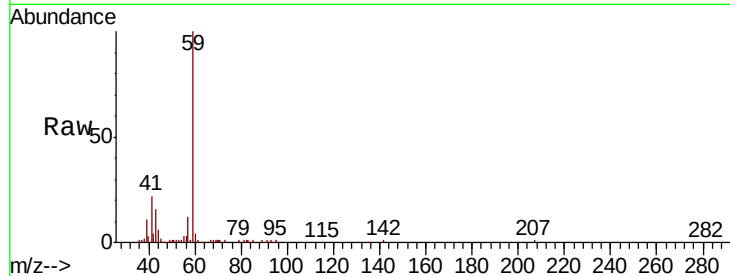
Tert butyl alcohol
 Concen: 107.107 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	36133		
57	9.8		8.6	12.8

Manual Integrations
 APPROVED

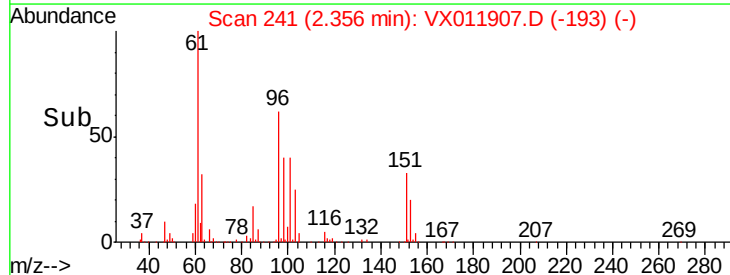
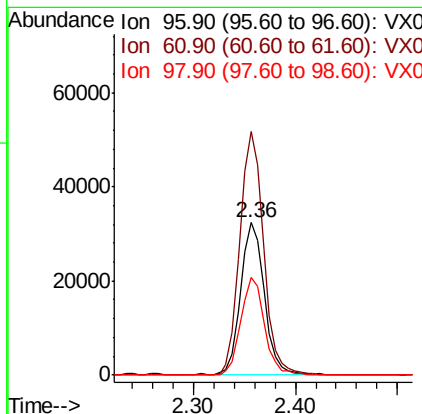
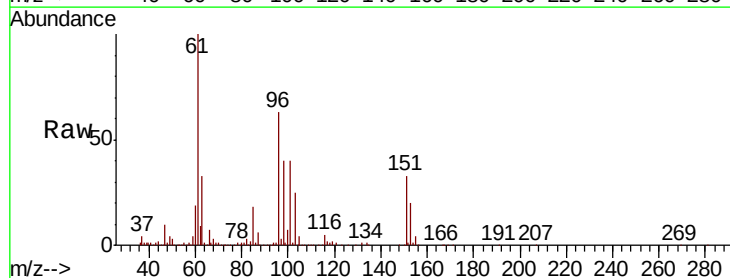
MMDadoda
 9/3/2019 2:41:07 AM

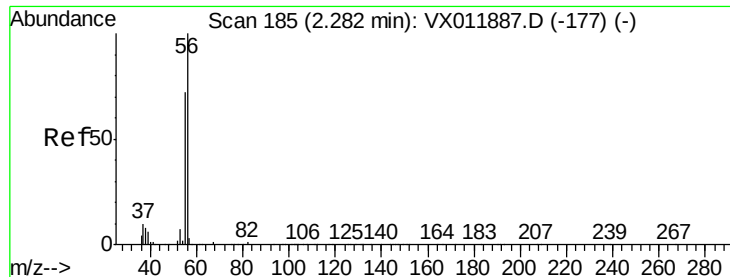


#12

1,1-Dichloroethene
 Concen: 20.032 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	51492		
61	160.5		126.6	190.0
98	63.9		51.6	77.4





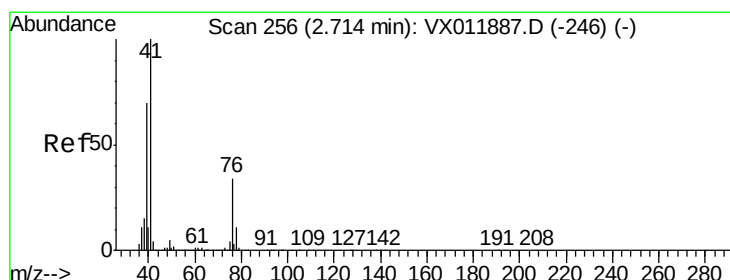
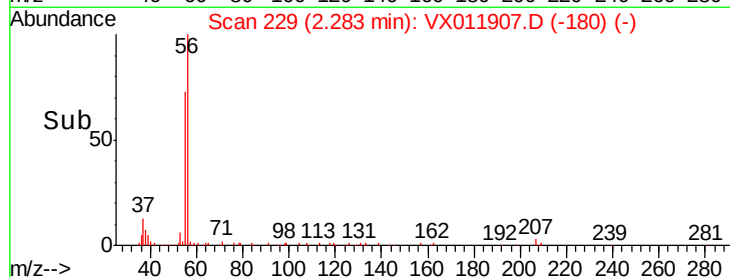
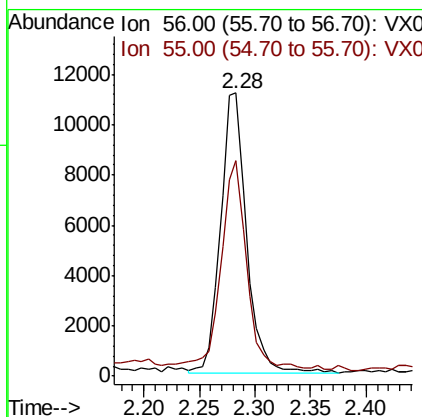
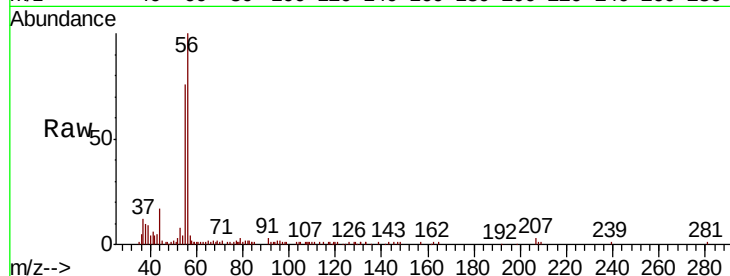
#13
Acrolein
Concen: 108.125 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.6	88.0

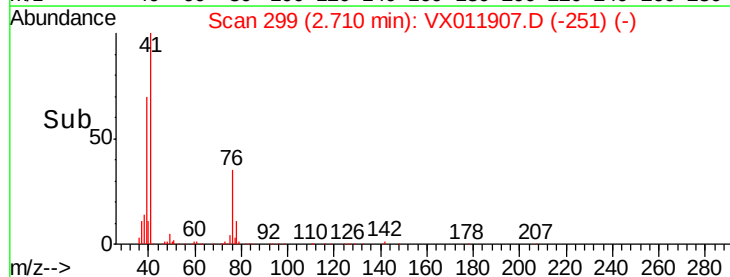
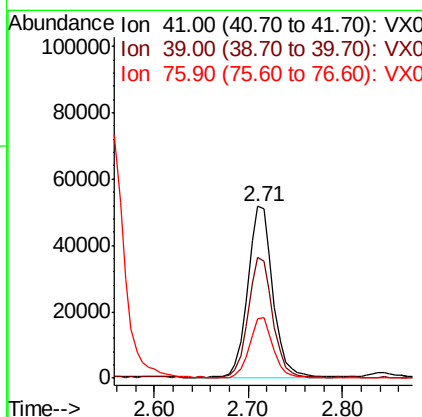
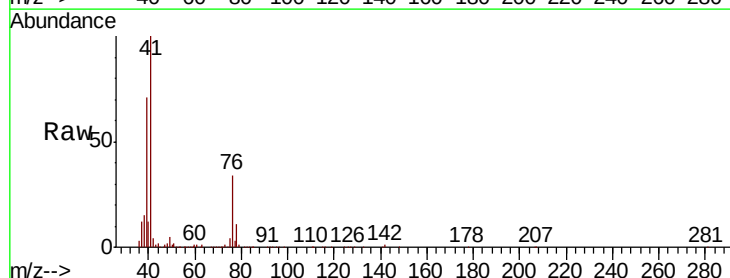
Manual Integrations
APPROVED

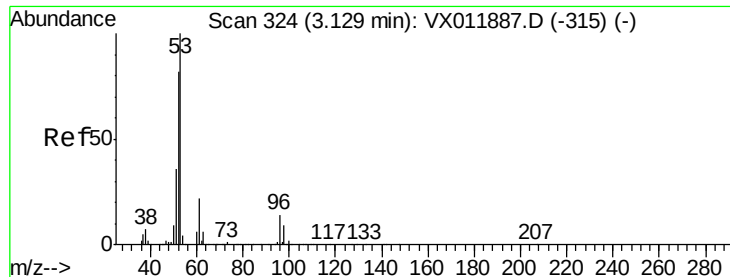
MMDadoda
9/3/2019 2:41:07 AM



#14
Allyl chloride
Concen: 19.957 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.6	55.0	82.6
76	33.8	27.0	40.4





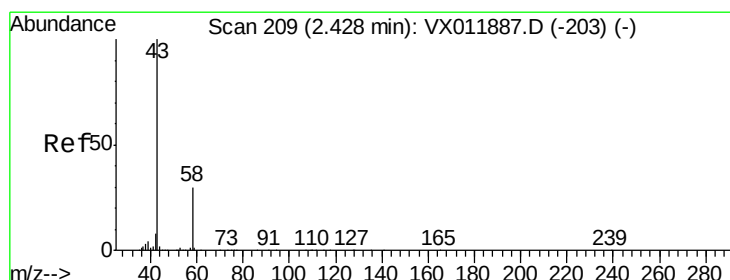
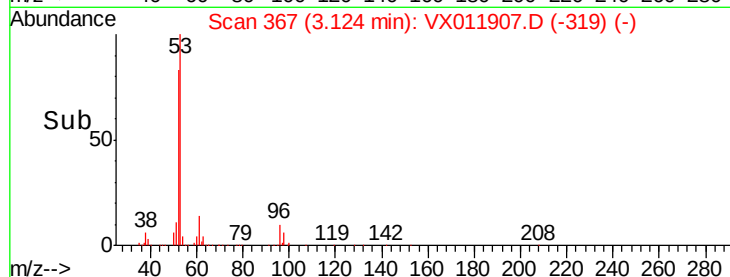
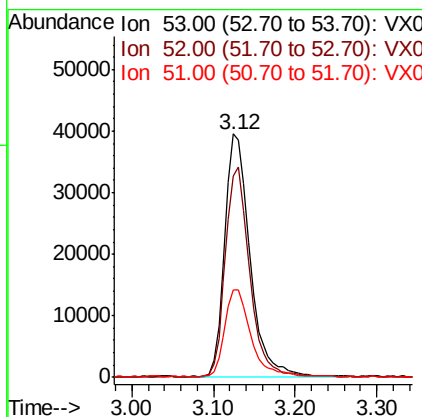
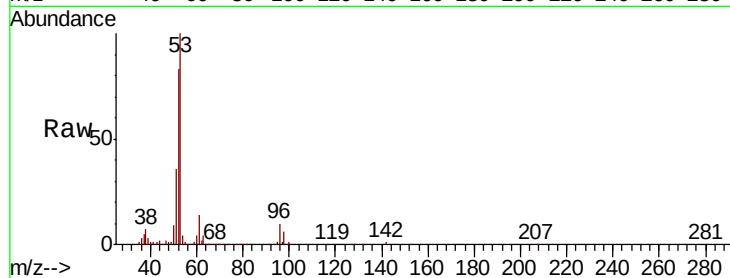
#15
 Acrylonitrile
 Concen: 105.183 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion:	53	Resp:	84318
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.3	97.9
51	37.3	29.4	44.2

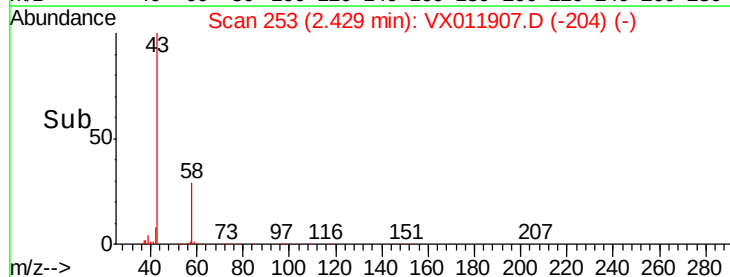
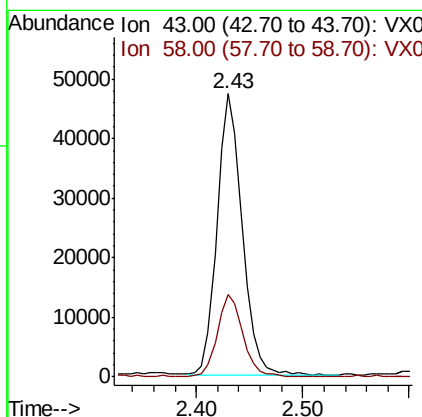
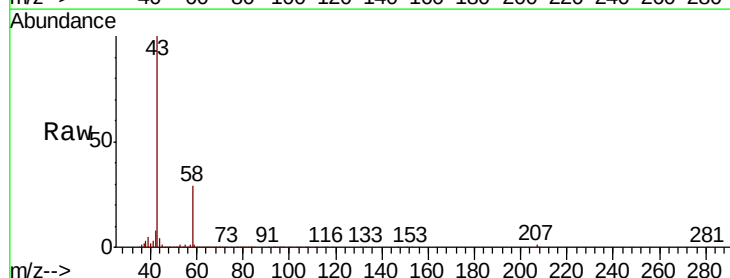
Manual Integrations
 APPROVED

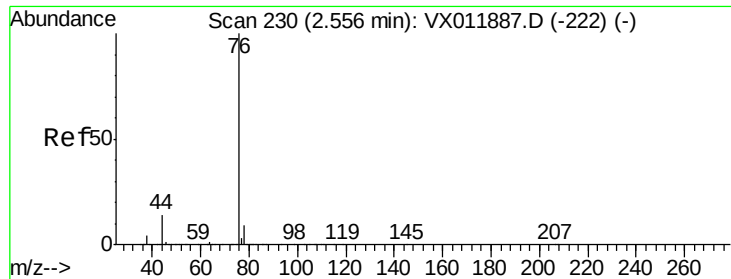
MMDadoda
 9/3/2019 2:41:07 AM



#16
 Acetone
 Concen: 102.591 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion:	43	Resp:	77401
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.8	35.8





#17

Carbon Disulfide

Concen: 18.373 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 76 Resp: 135469

Ion Ratio Lower Upper

76 100

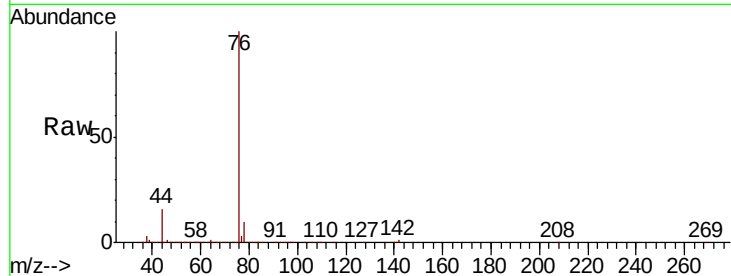
78 10.0 7.3 10.9

Manual Integrations

APPROVED

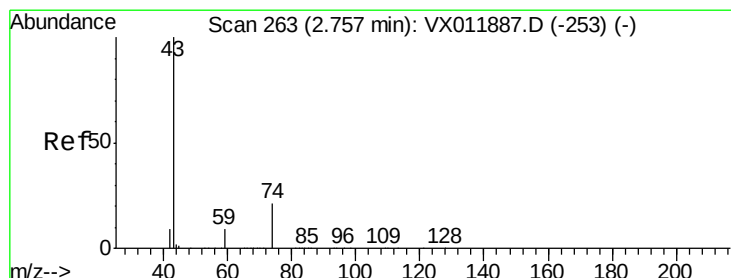
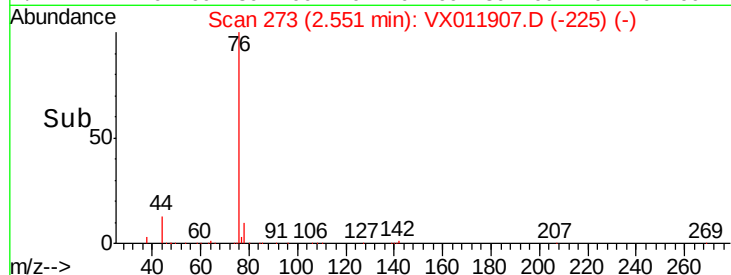
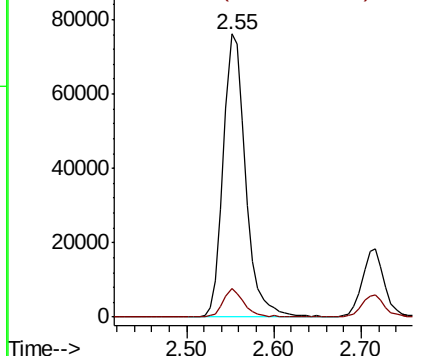
MMDadoda

9/3/2019 2:41:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.666 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011907.D

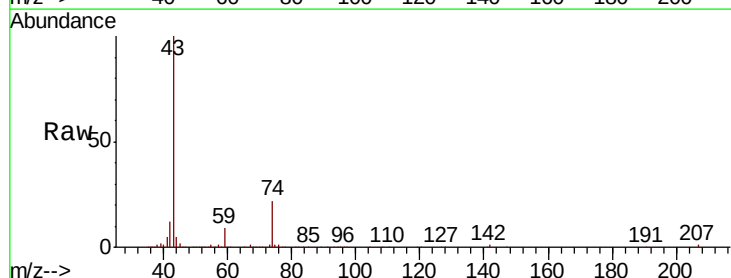
Acq: 30 Aug 2019 14:07

Tgt Ion: 43 Resp: 49425

Ion Ratio Lower Upper

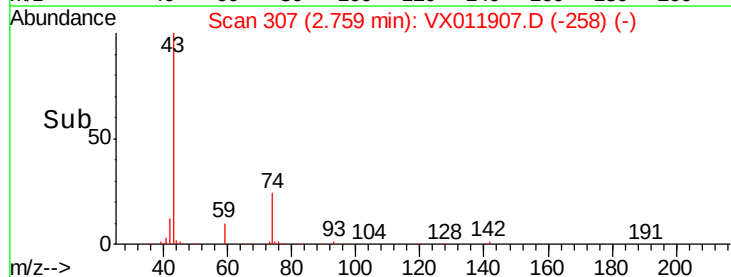
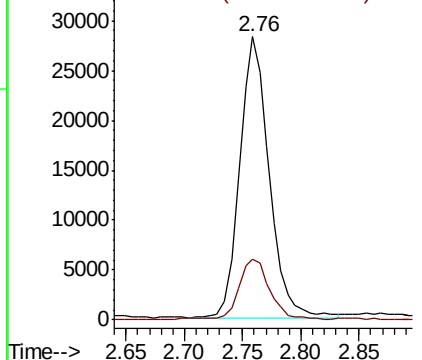
43 100

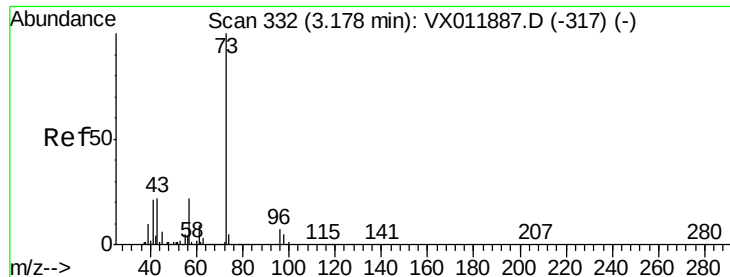
74 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





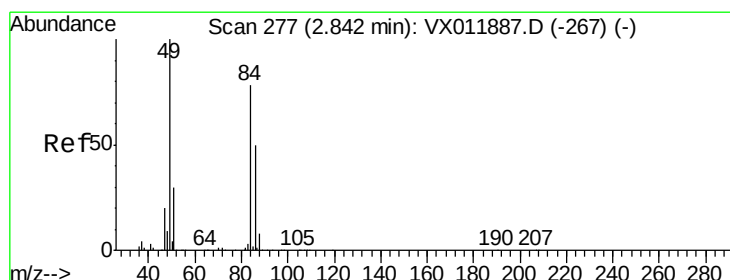
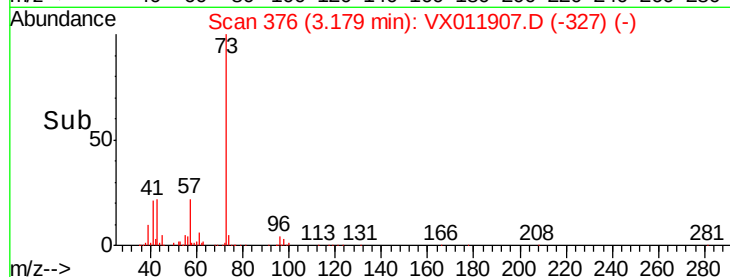
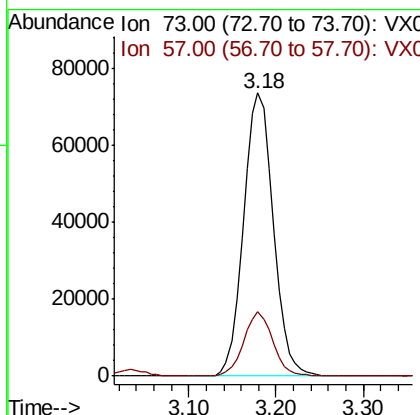
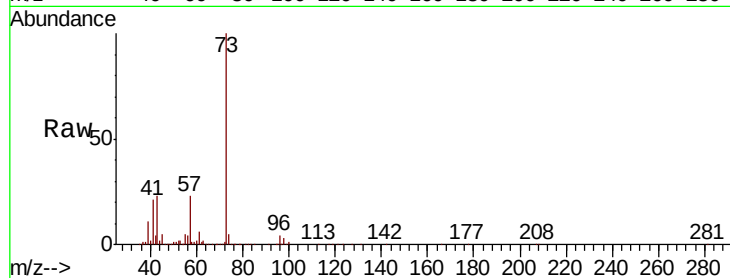
#19
Methyl tert-butyl Ether
Concen: 20.886 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.0

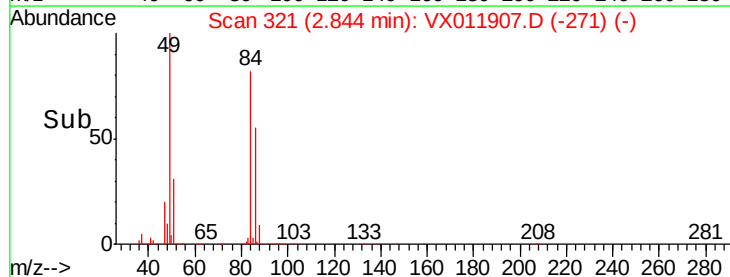
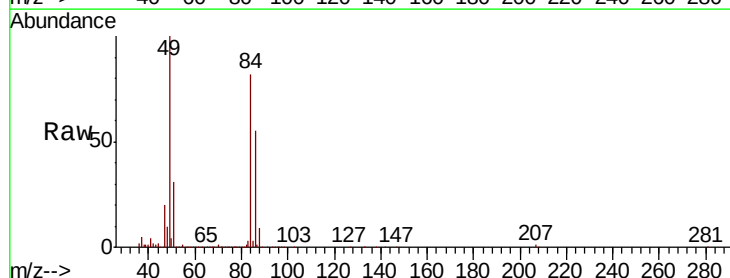
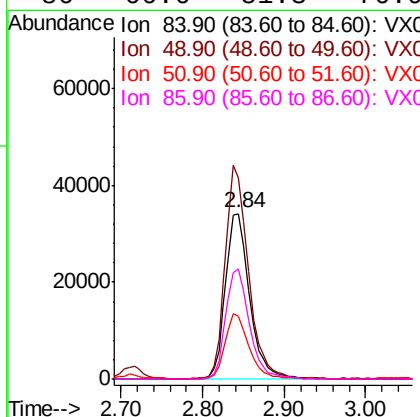
Manual Integrations
APPROVED

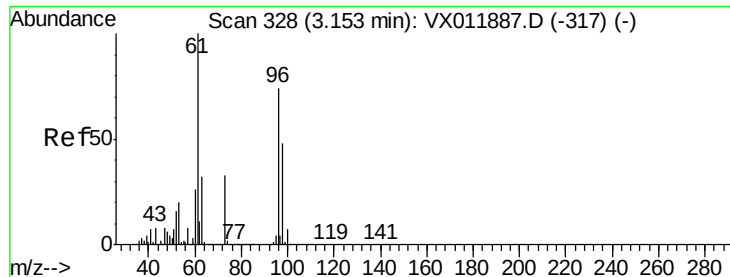
MMDadoda
9/3/2019 2:41:07 AM



#20
Methylene Chloride
Concen: 18.477 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	103.0	154.4
51	37.8	30.8	46.2
86	66.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.085 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

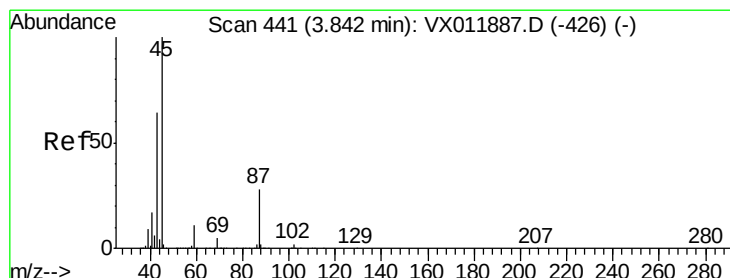
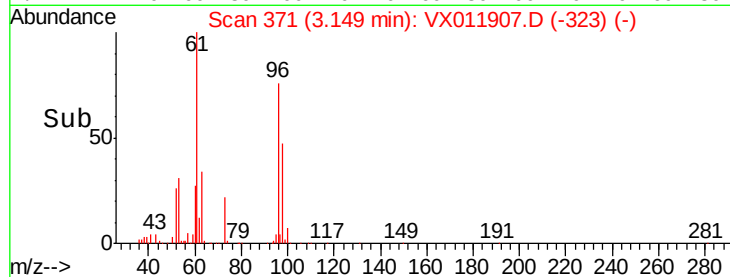
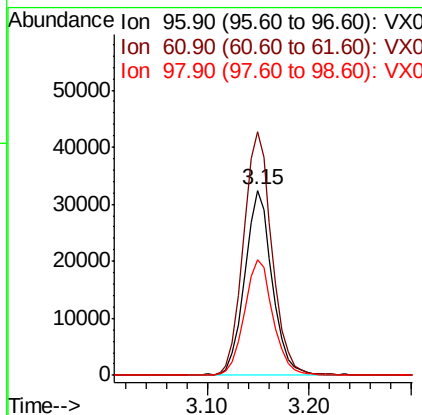
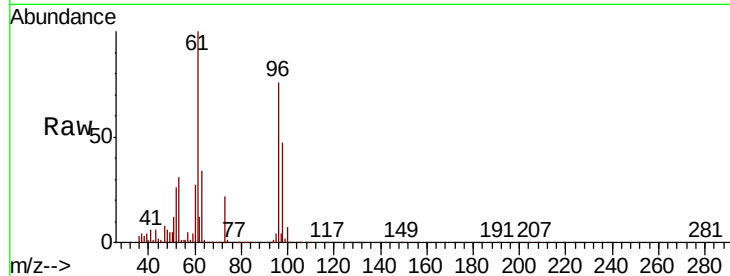
ClientSampleId :

VX0830SBS01

Tot Ion:	96	Resp:	60817
Ion	Ratio	Lower	Upper
96	100		
61	131.7	107.4	161.2
98	62.3	51.4	77.2

Manual Integrations
APPROVED

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#22

Diisopropyl ether

Concen: 20.361 ug/l

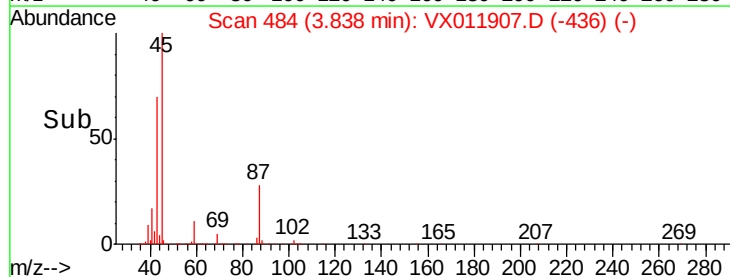
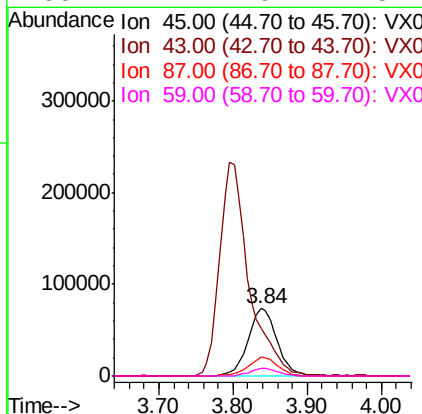
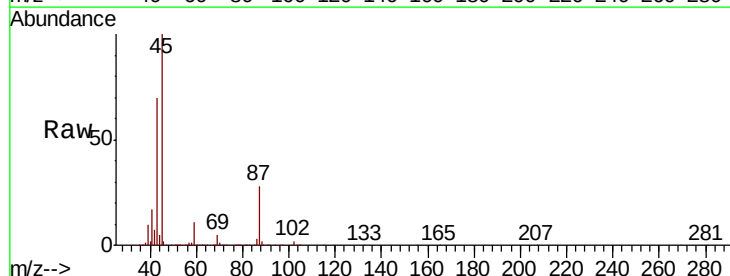
RT: 3.84 min Scan# 484

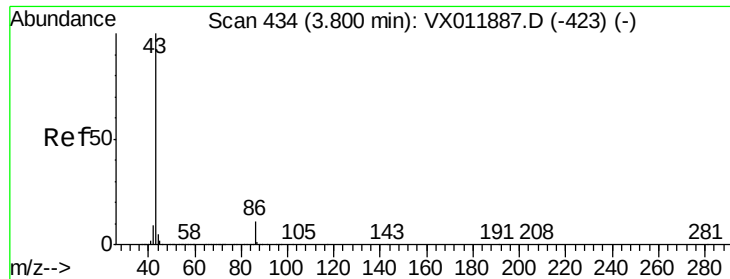
Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	45	Resp:	200430
Ion	Ratio	Lower	Upper
45	100		
43	69.7	51.0	76.6
87	27.8	22.0	33.0
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 101.128 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 43 Resp: 640025

Ion Ratio Lower Upper

43 100

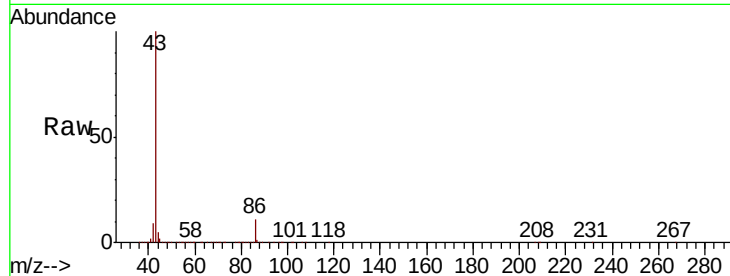
86 10.7 8.6 12.8

Manual Integrations

APPROVED

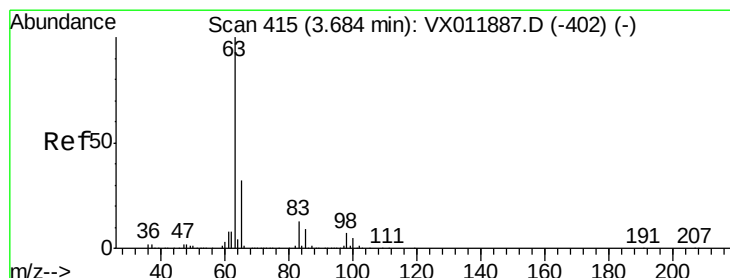
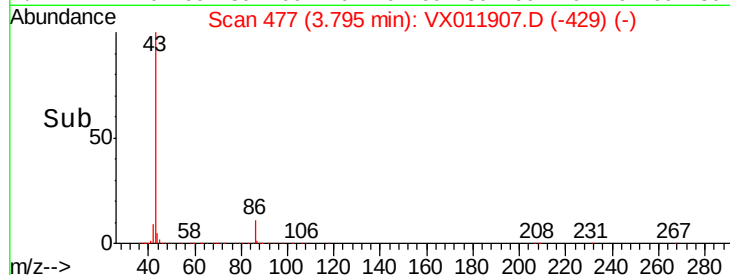
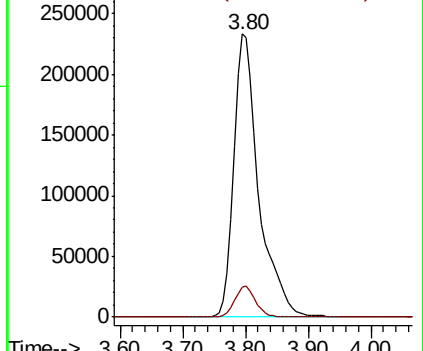
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.396 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

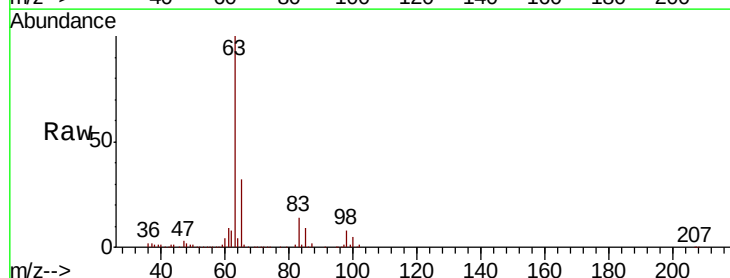
Tgt Ion: 63 Resp: 110719

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

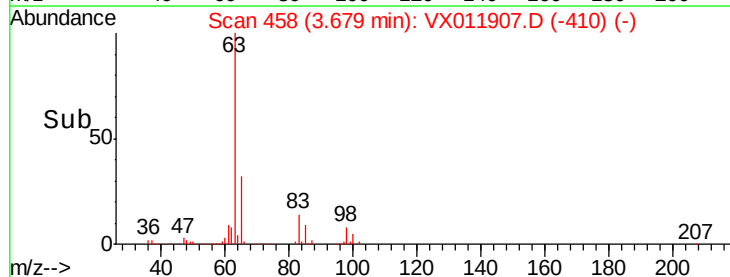
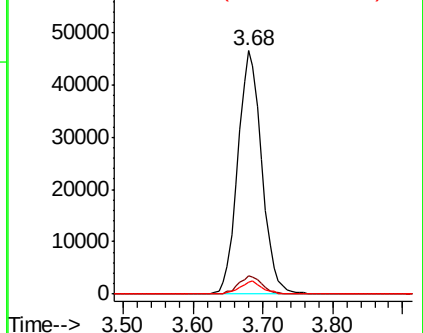
100 4.8 2.4 7.2

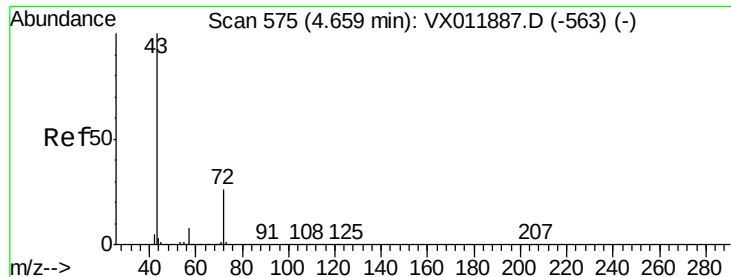


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 104.327 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 43 Resp: 114640

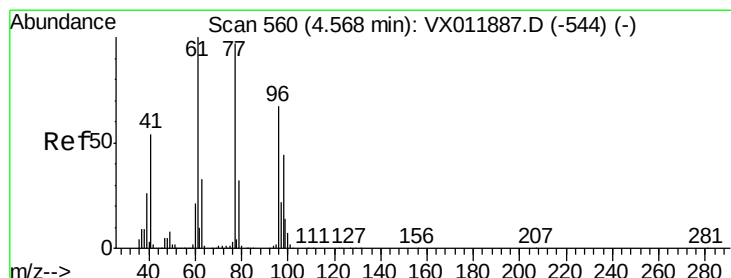
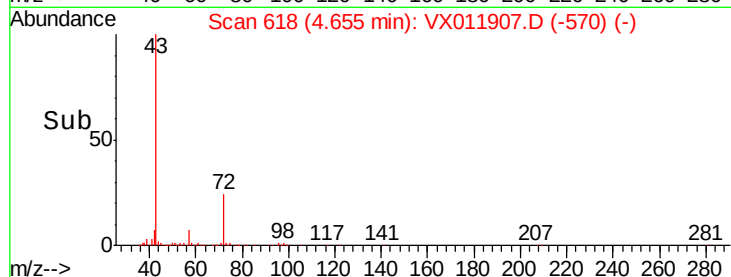
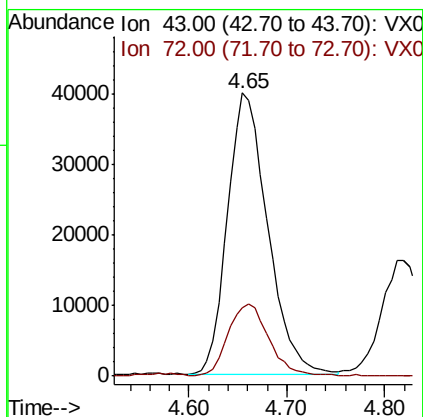
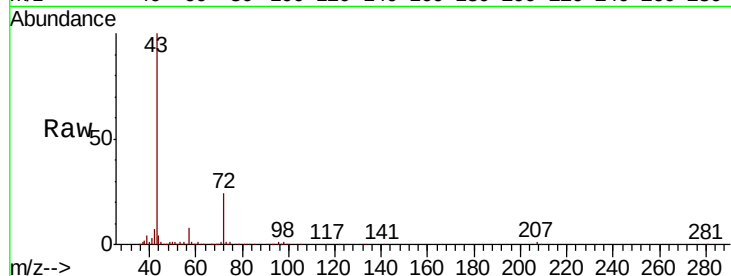
Ion Ratio Lower Upper

43 100

72 23.8 21.0 31.4

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 21.127 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011907.D

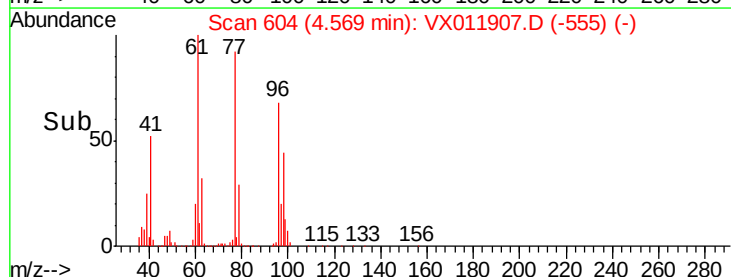
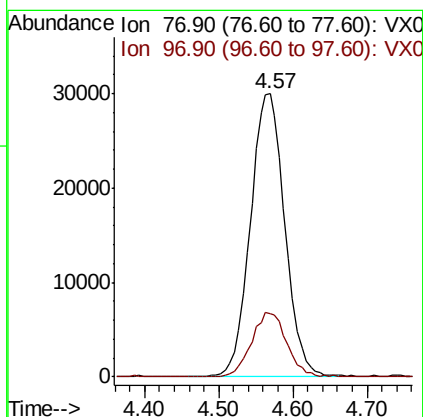
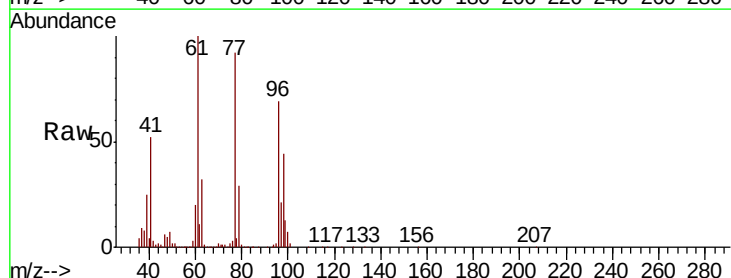
Acq: 30 Aug 2019 14:07

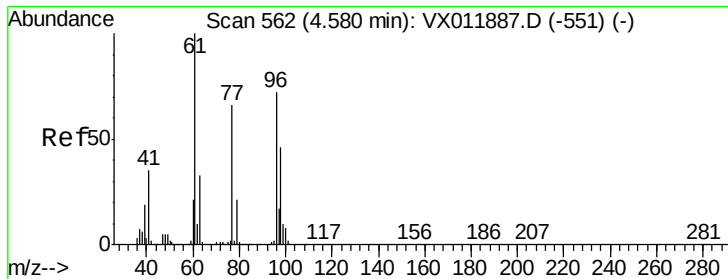
Tgt Ion: 77 Resp: 96192

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

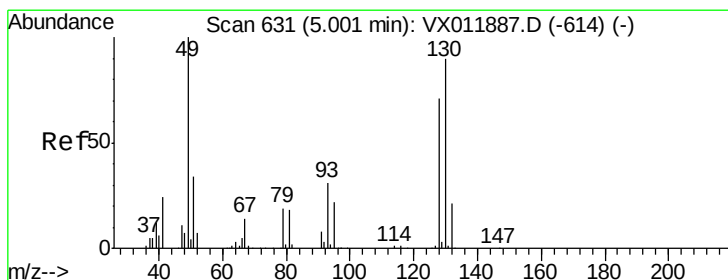
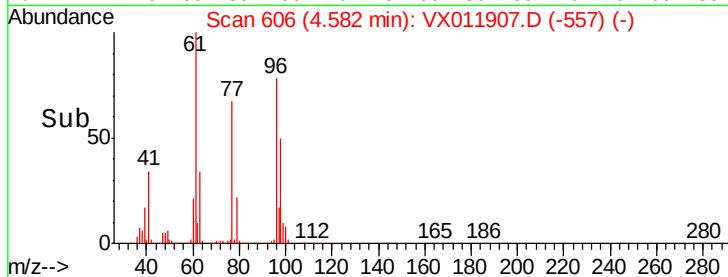
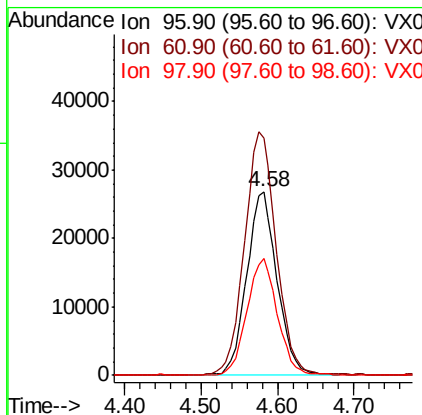
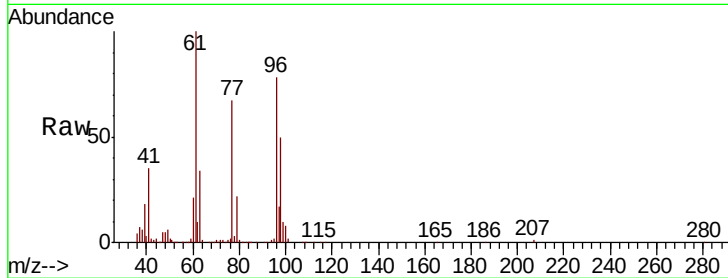
cis-1,2-Dichloroethene
 Concen: 20.794 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	283.8
98	64.4	0.0	131.2

Manual Integrations
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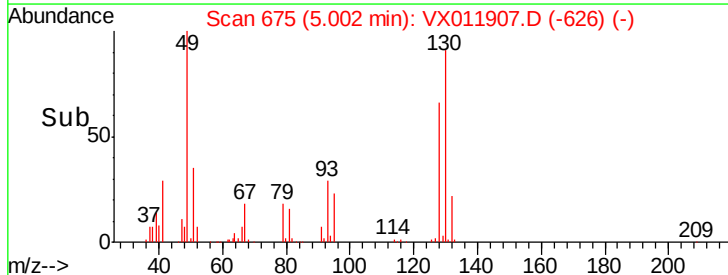
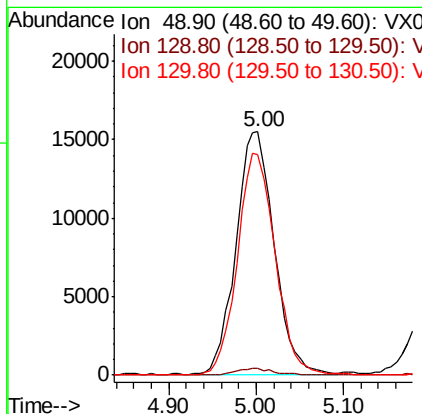
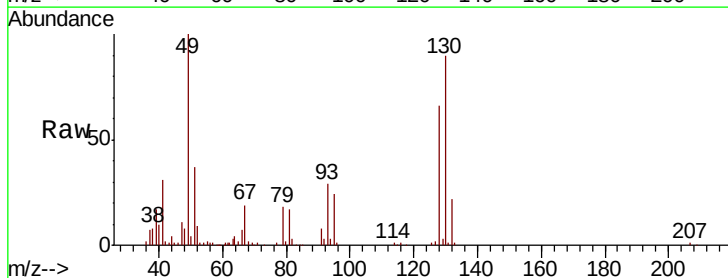
MMDadoda
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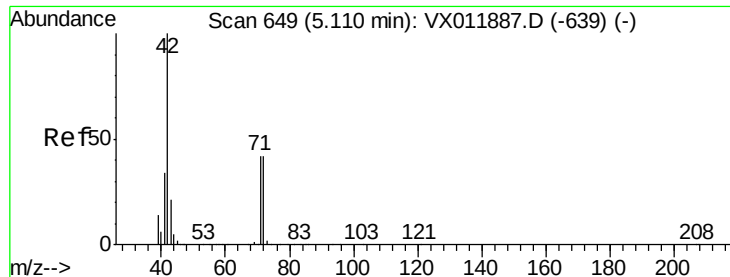


#28

Bromochloromethane
 Concen: 19.442 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	89.9	70.6	105.8





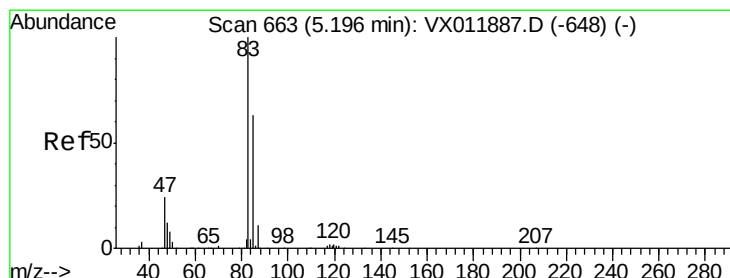
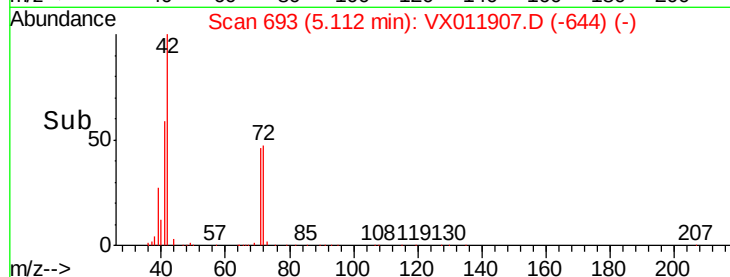
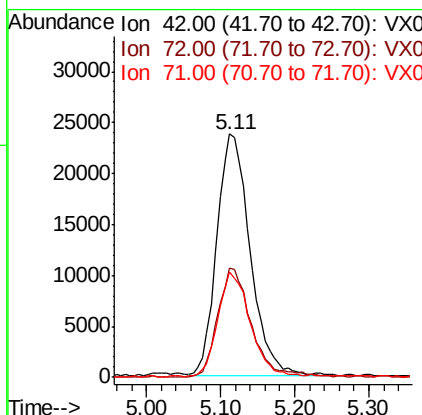
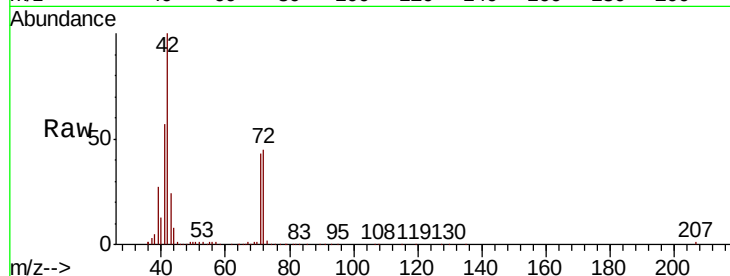
#29
Tetrahydrofuran
Concen: 106.979 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.2	54.4
71	42.3	33.1	49.7

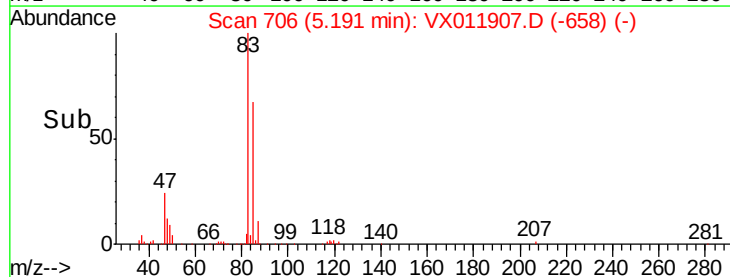
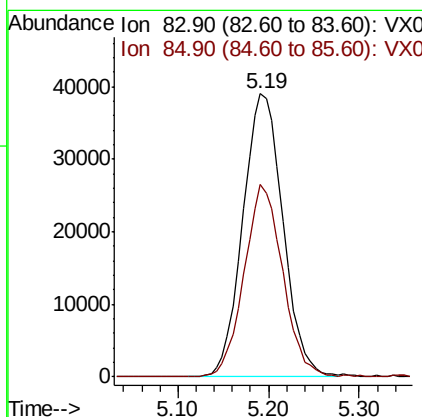
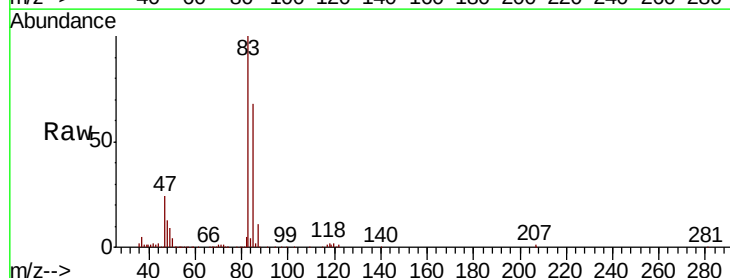
Manual Integrations
APPROVED

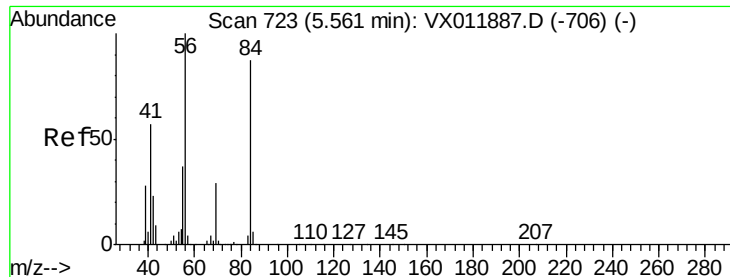
MMDadoda
9/3/2019 2:41:07 AM



#30
Chloroform
Concen: 20.482 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.6	75.8





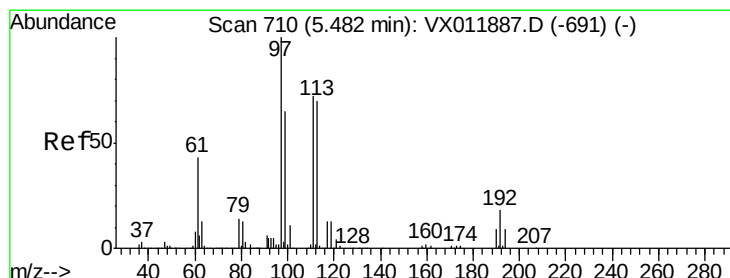
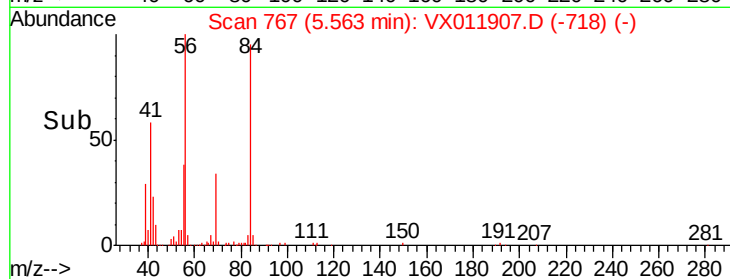
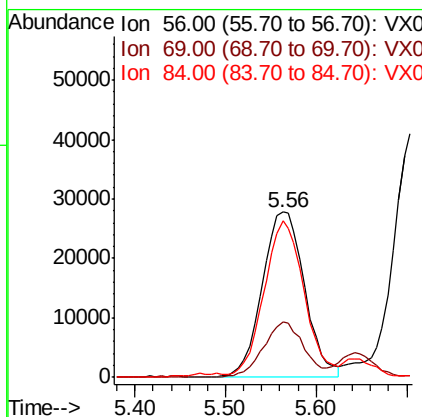
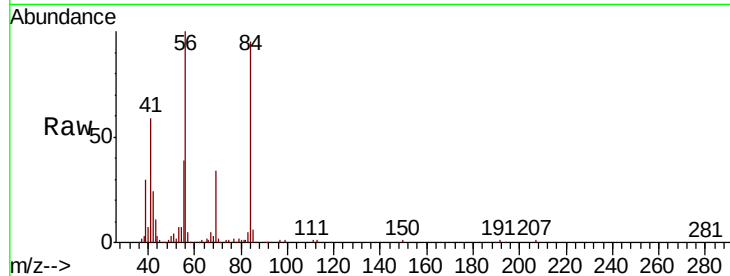
#31
Cyclohexane
Concen: 20.440 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	23.1	34.7
84	94.1	69.6	104.4

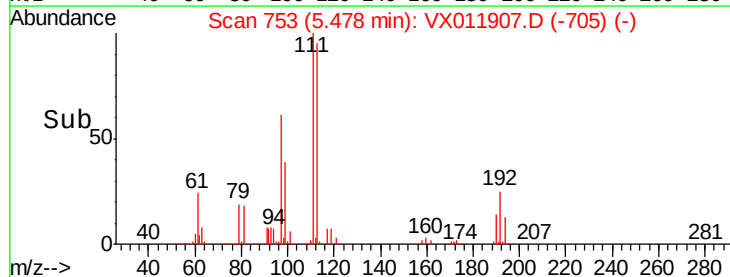
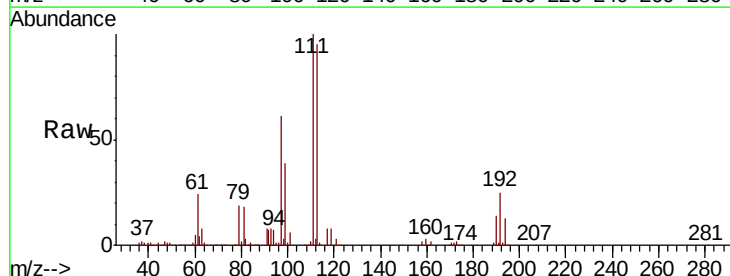
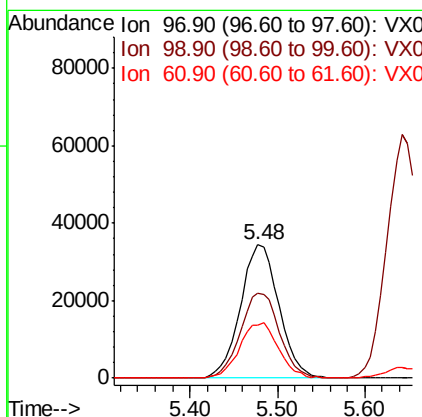
Manual Integrations
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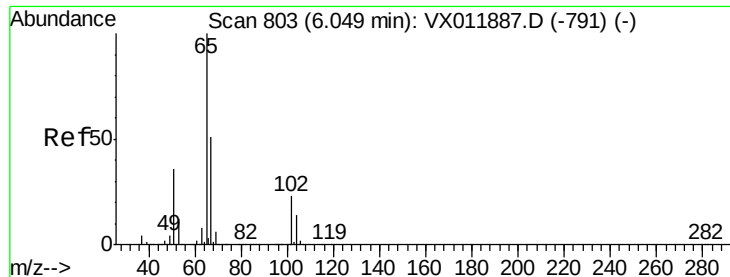
MMDadoda
9/3/2019 2:41:07 AM



#32
1,1,1-Trichloroethane
Concen: 20.448 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	41.3	33.8	50.6





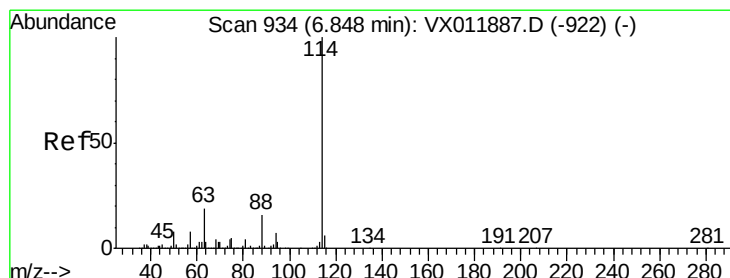
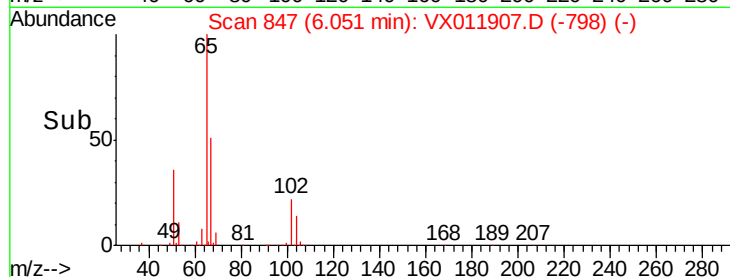
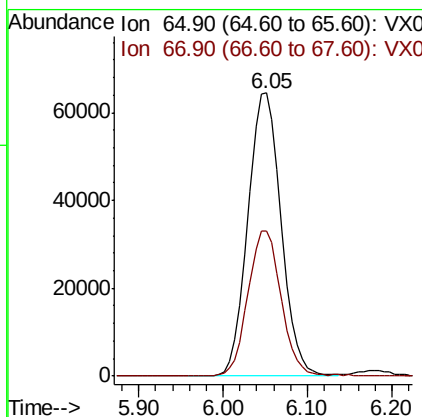
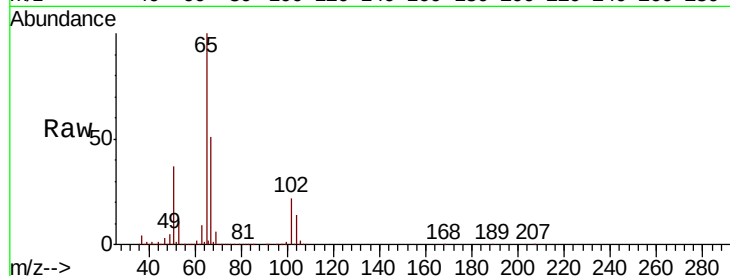
#33
 1,2-Dichloroethane-d4
 Concen: 49.071 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.2

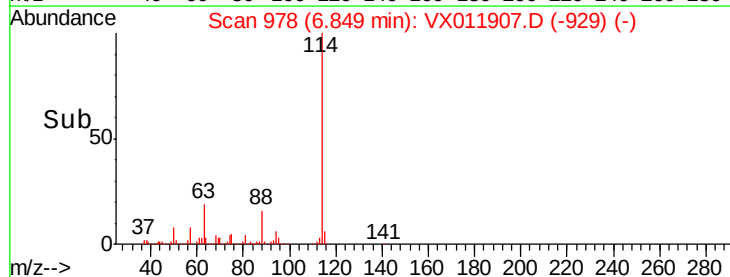
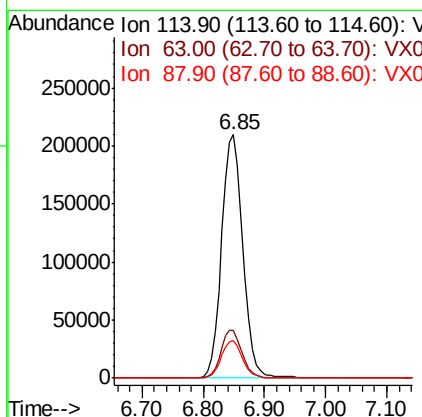
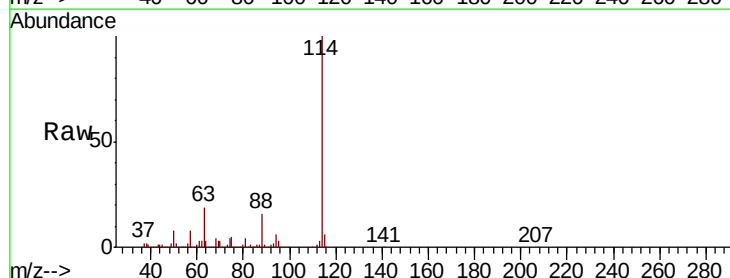
Manual Integrations
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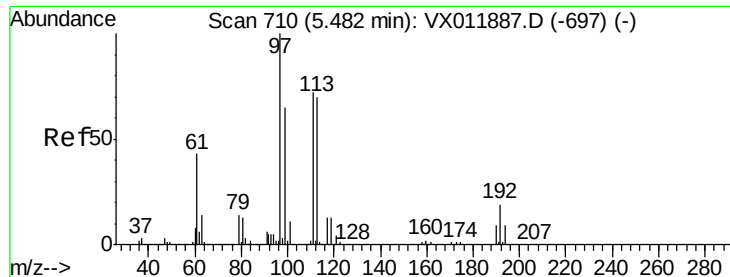
MMDadoda
 9/3/2019 2:41:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.8
88	15.6	0.0	31.2





#35

Dibromofluoromethane

Concen: 49.904 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

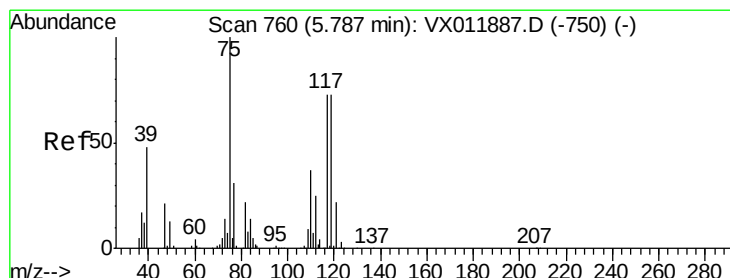
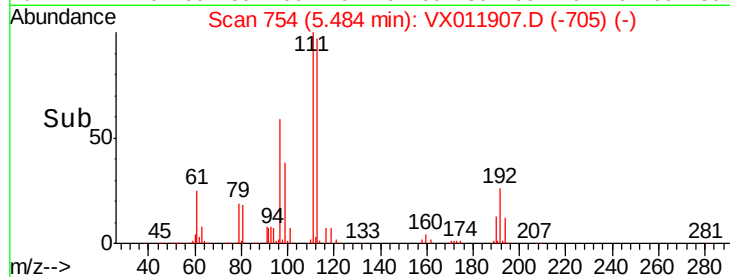
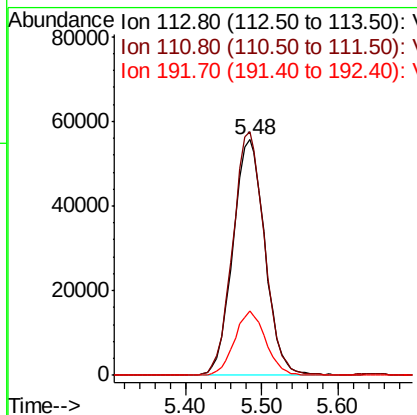
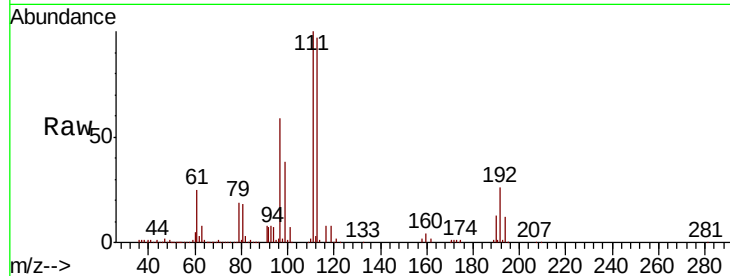
ClientSampled :

VX0830SBS01

Tot Ion:	113	Resp:	161222
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.1	123.1
192	26.7	21.5	32.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.169 ug/l

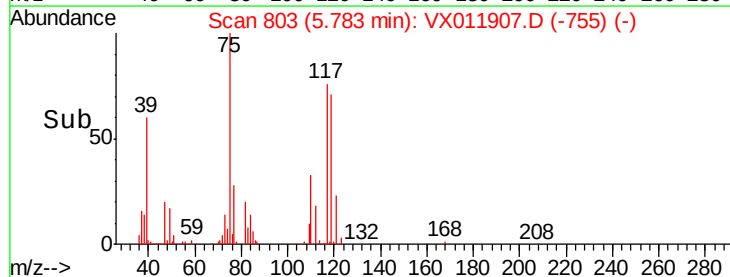
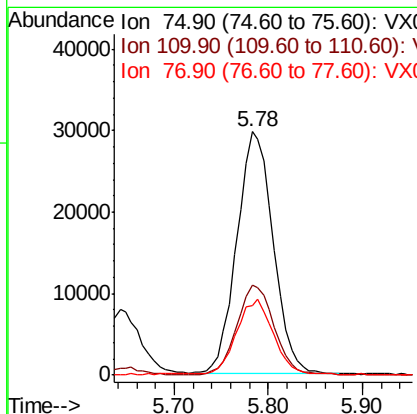
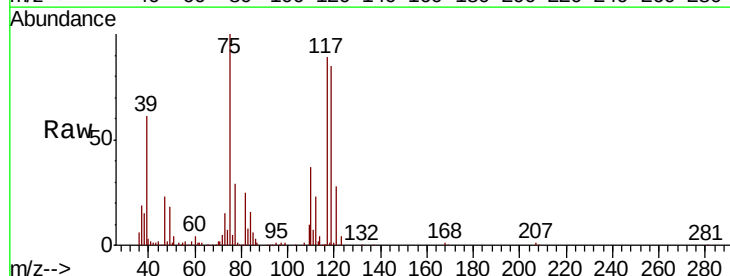
RT: 5.78 min Scan# 803

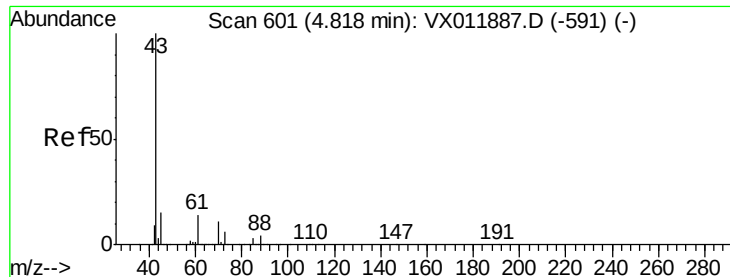
Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	75	Resp:	80504
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.1	57.3
77	31.0	24.4	36.6





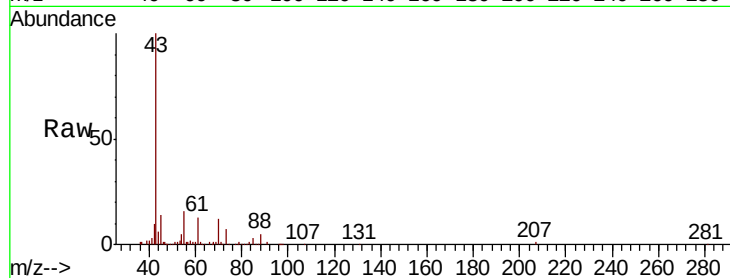
#37
Ethyl Acetate
Concen: 20.799 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	12.0	9.2	13.8

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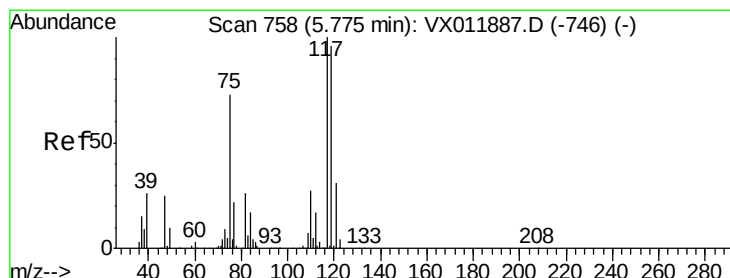
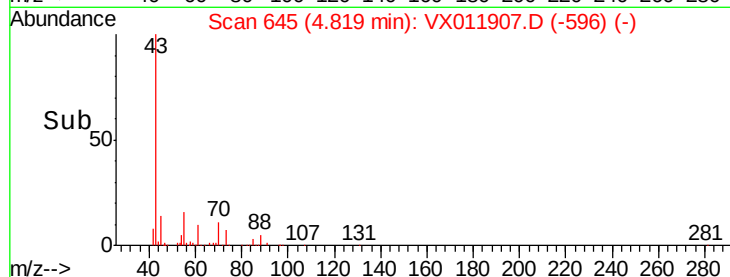
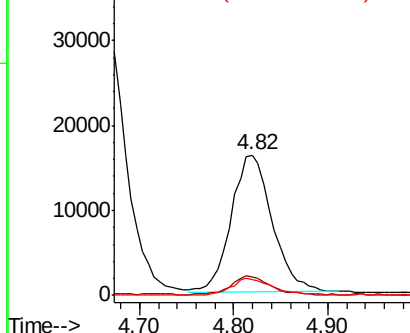


Abundance

Ion 43.00 (42.70 to 43.70): VX0

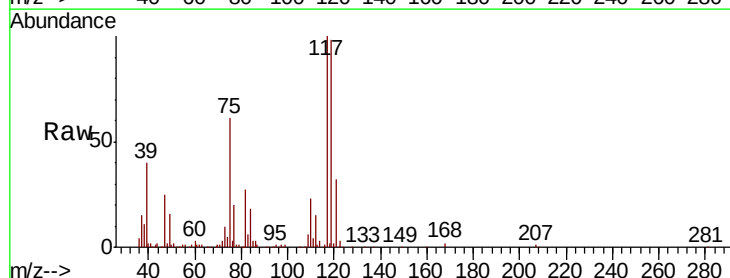
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 20.703 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	114.8
121	31.9	24.7	37.1

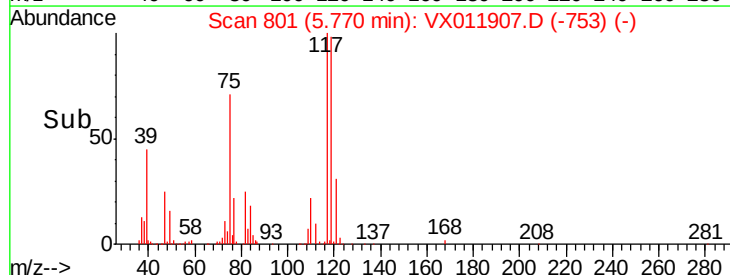
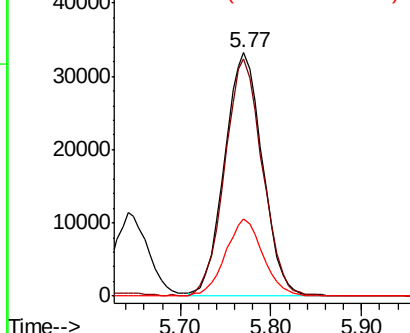


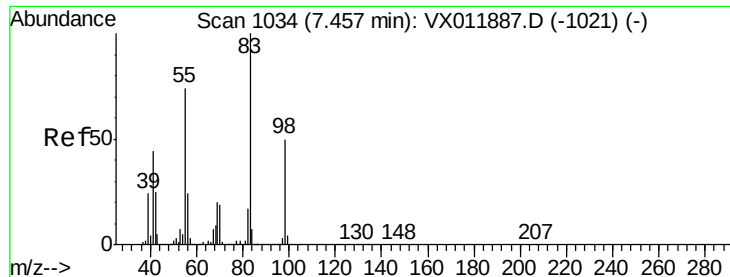
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





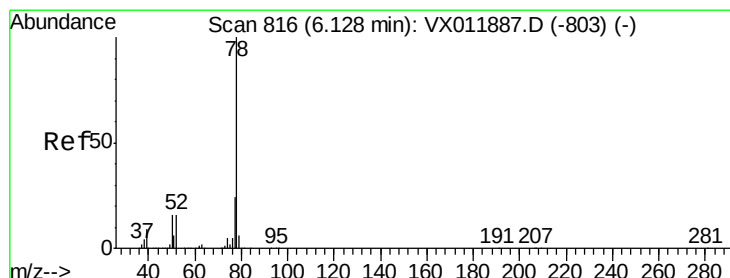
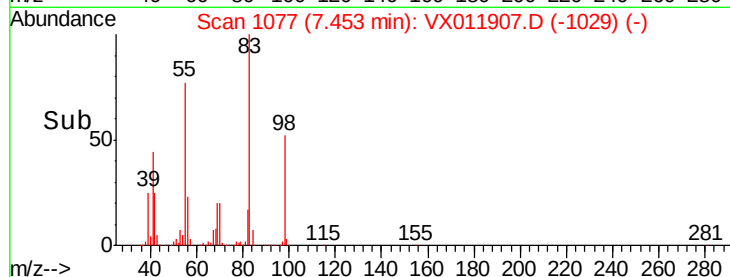
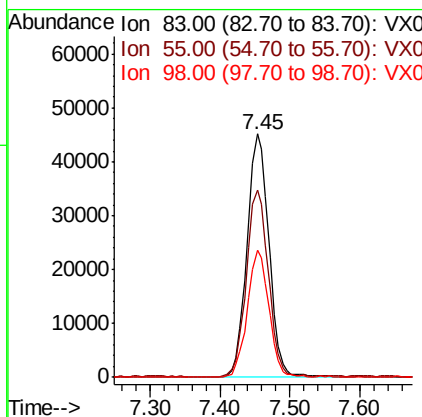
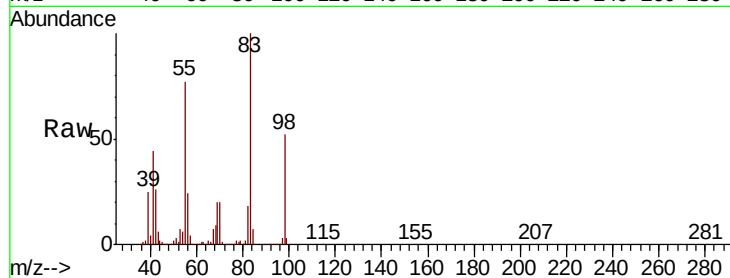
#39
Methylvlcyclohexane
Concen: 20.793 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	59.4	89.0	
98	52.4	40.3	60.5	

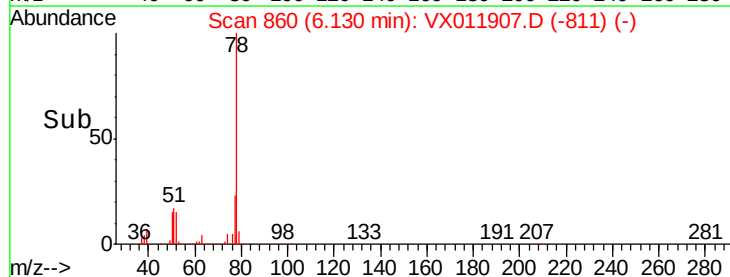
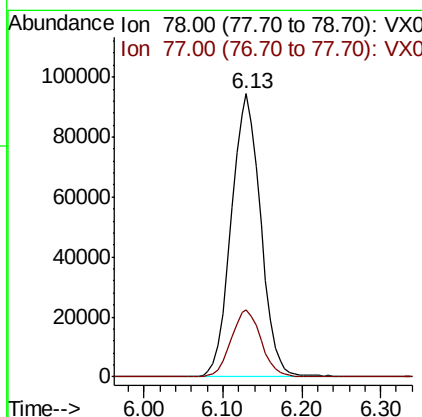
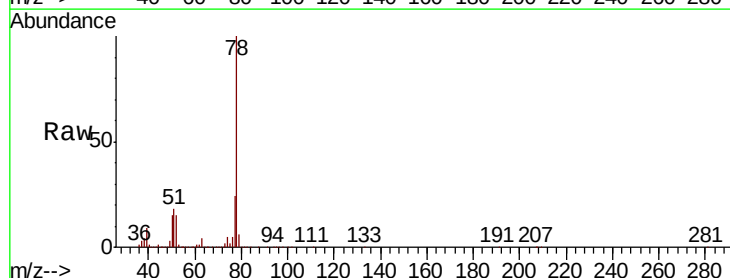
Manual Integrations
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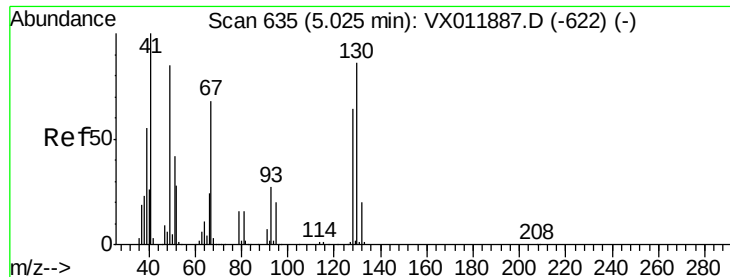
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#40
Benzene
Concen: 20.550 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.6	





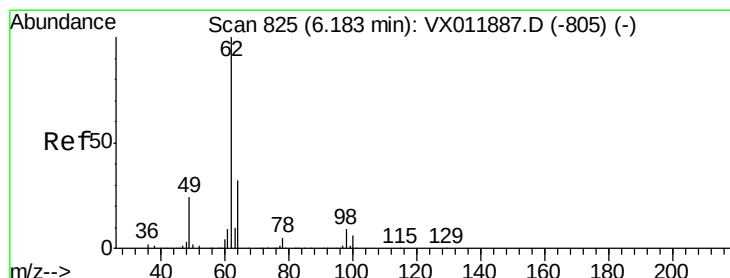
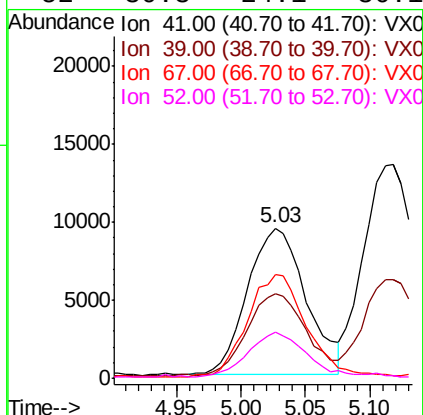
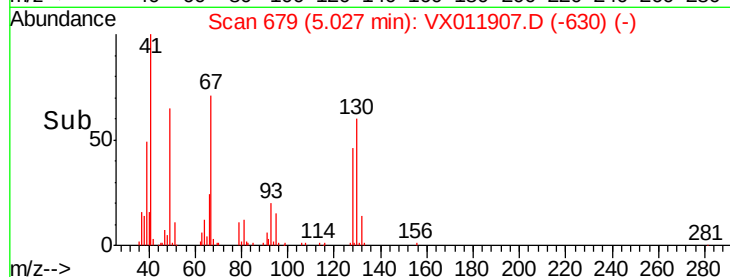
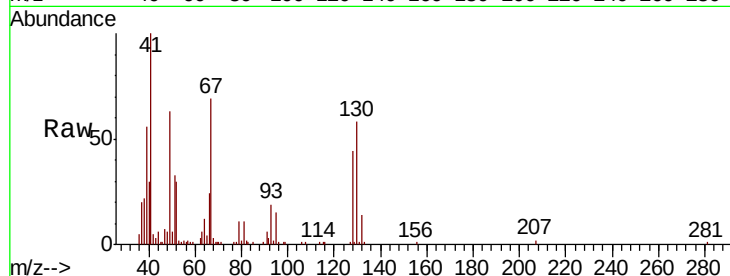
#41
Methacrylonitrile
Concen: 21.378 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.0	67.6	
67	70.7	55.0	82.4	
52	30.3	24.1	36.1	

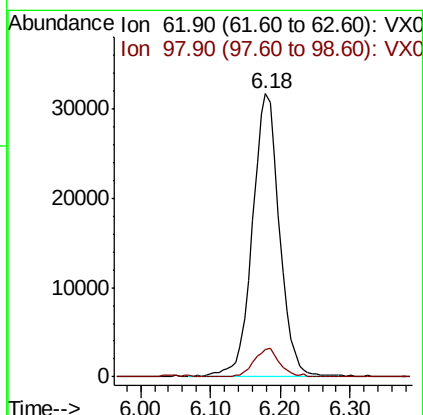
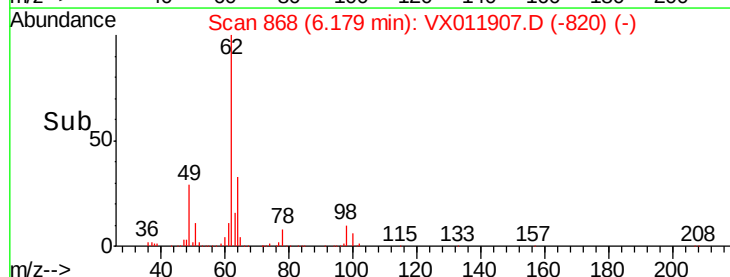
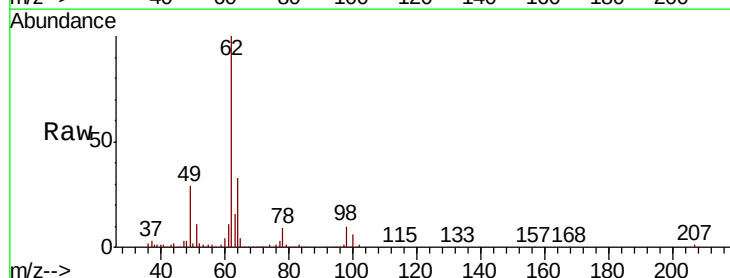
Manual Integrations
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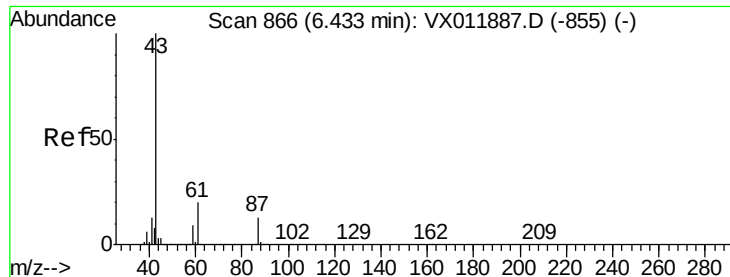
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.055 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.2	





#43

Isopropyl Acetate

Concen: 20.768 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

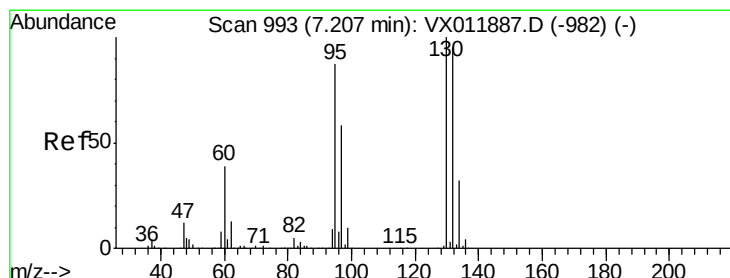
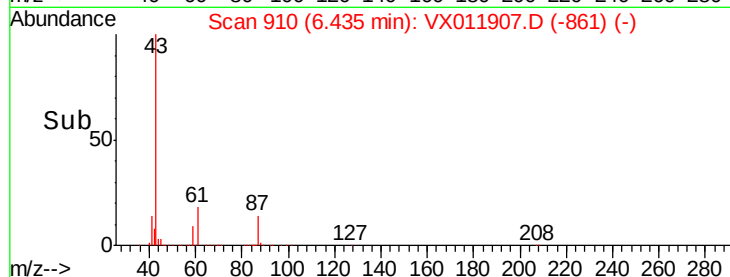
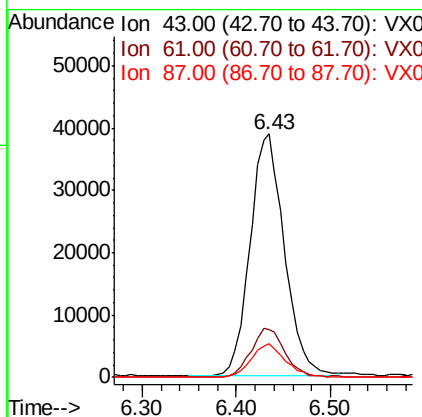
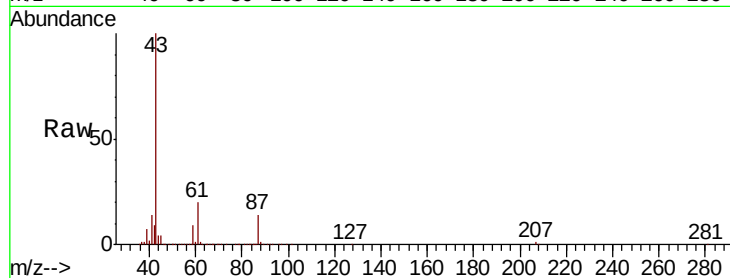
ClientSampleId :

VX0830SBS01

Tot Ion:	43	Resp:	99480
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	13.5	10.6	16.0

Manual Integrations
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MMDadoda
9/3/2019 2:41:07 AM



#44

Trichloroethene

Concen: 20.473 ug/l

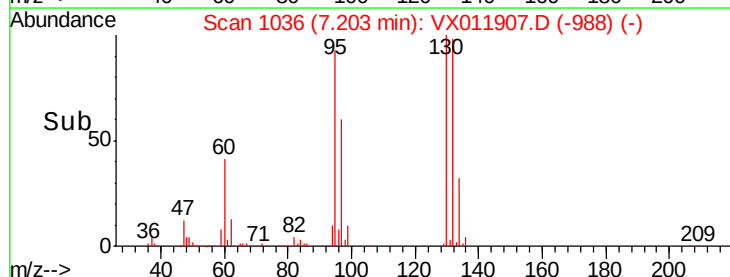
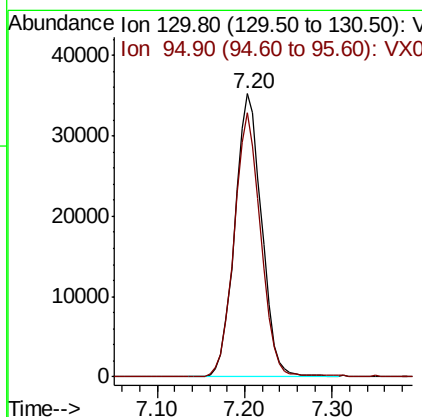
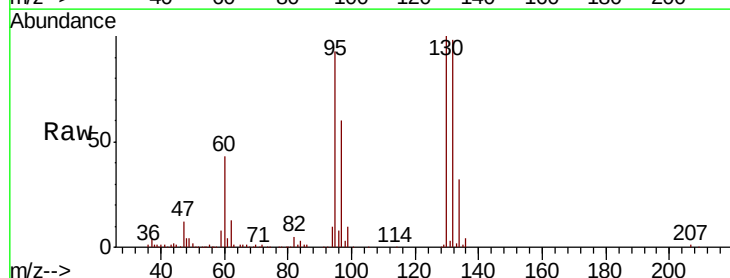
RT: 7.20 min Scan# 1036

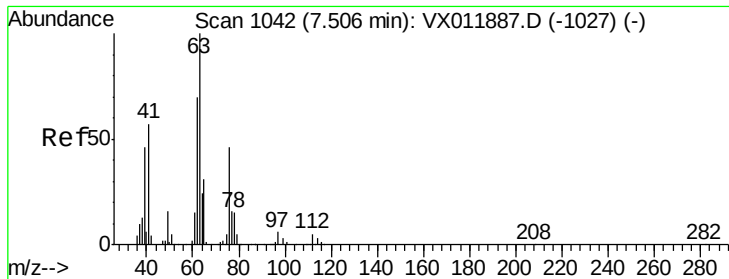
Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	130	Resp:	75469
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	174.6





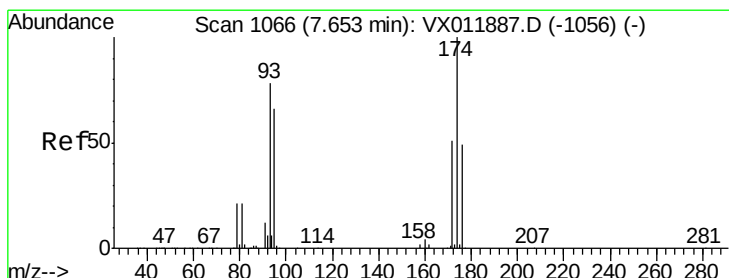
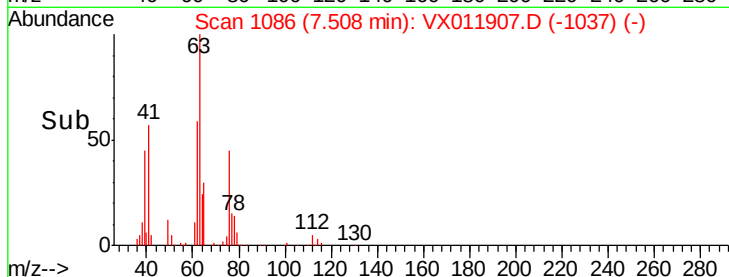
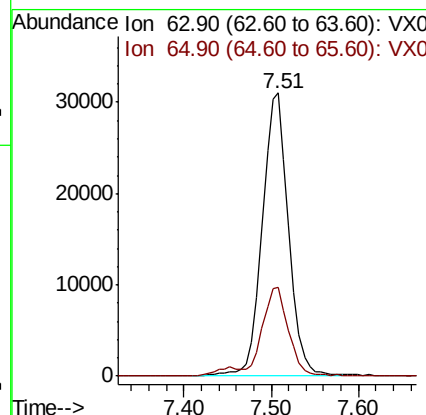
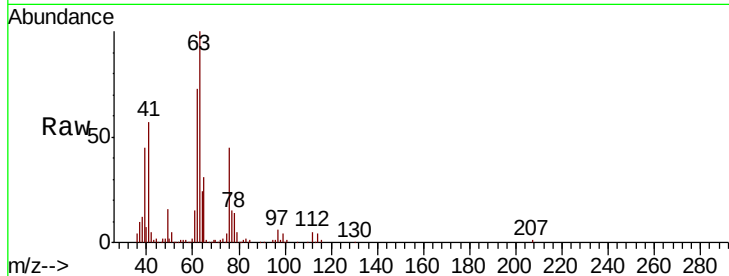
#45
 1,2-Dichloropropane
 Concen: 20.789 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7

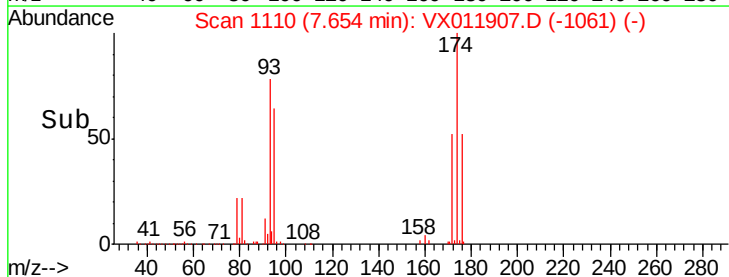
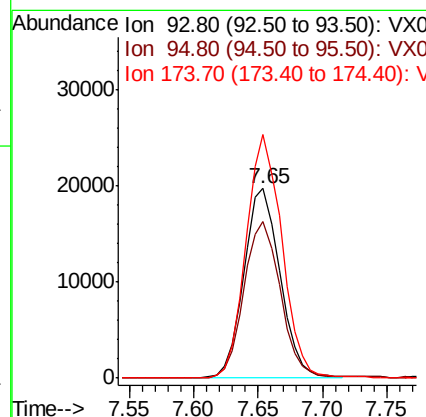
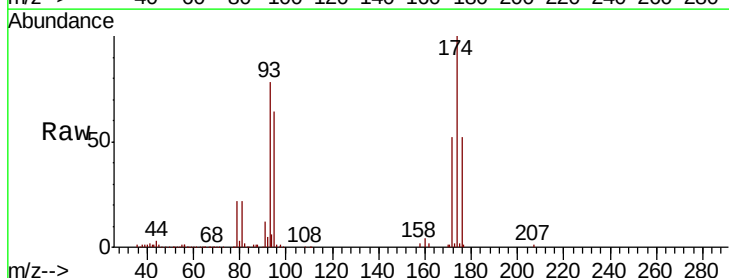
Manual Integrations
 APPROVED

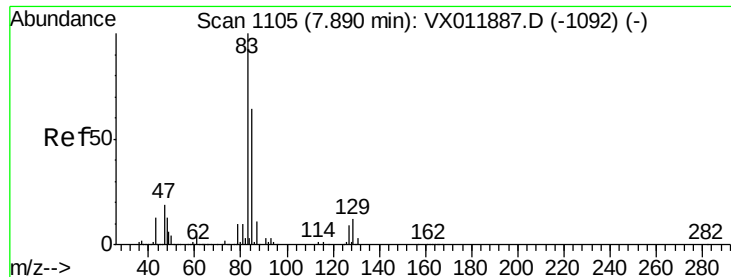
MMDadoda
 9/3/2019 2:41:07 AM



#46
 Dibromomethane
 Concen: 20.797 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.7	98.5
174	127.2	104.2	156.4





#47

Bromodichloromethane

Concen: 20.681 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

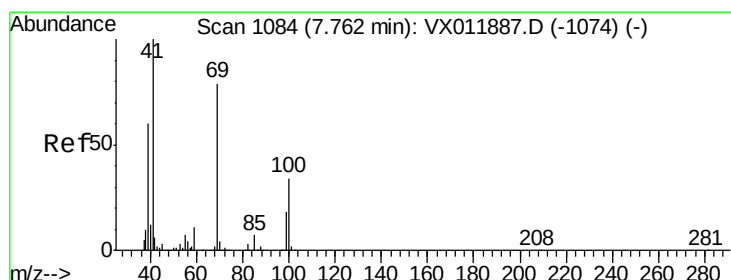
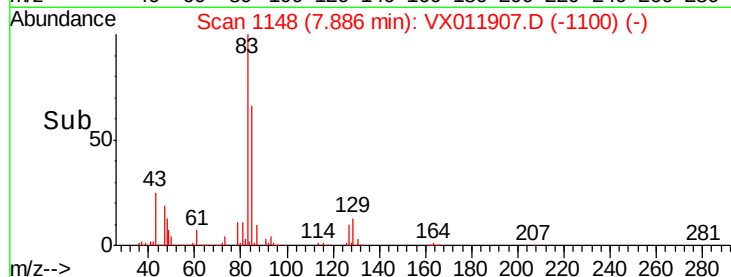
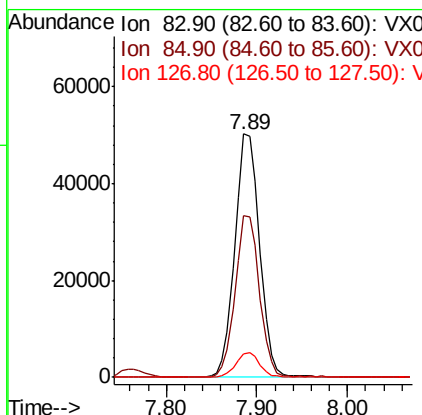
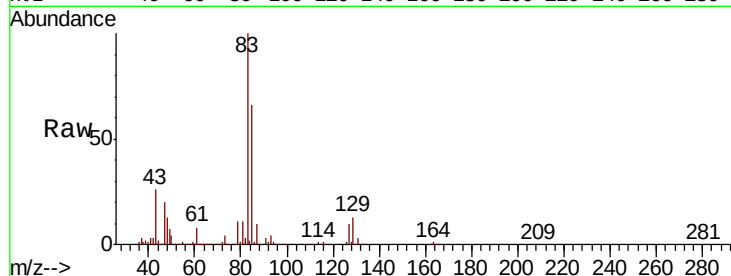
ClientSampleId :

VX0830SBS01

Tot Ion:	83	Resp:	94850
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.1	76.7
127	9.6	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:07 AM



#48

Methyl methacrylate

Concen: 21.132 ug/l

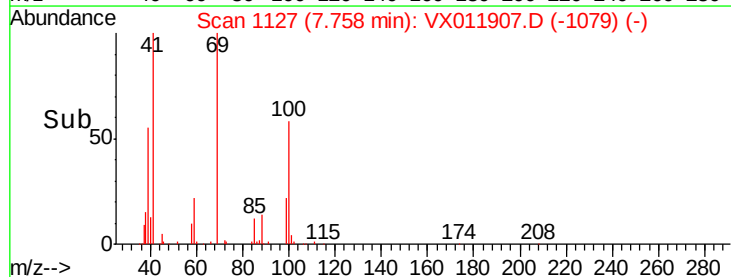
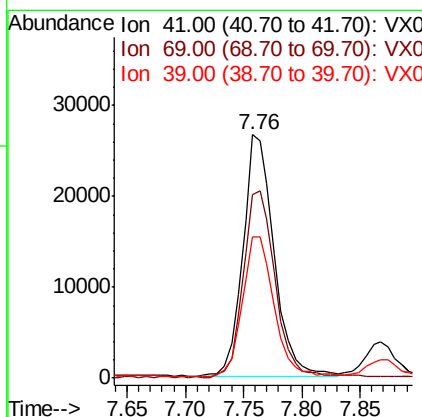
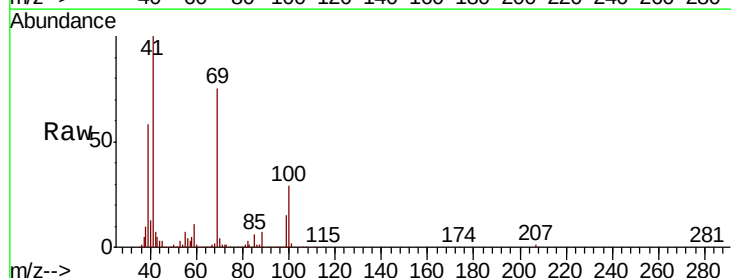
RT: 7.76 min Scan# 1127

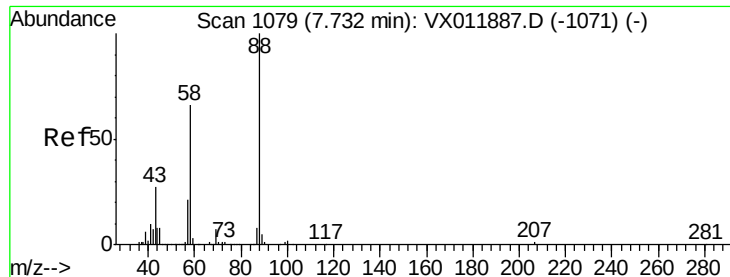
Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	41	Resp:	49252
Ion Ratio	Lower	Upper	
41	100		
69	79.8	64.4	96.6
39	59.3	47.2	70.8





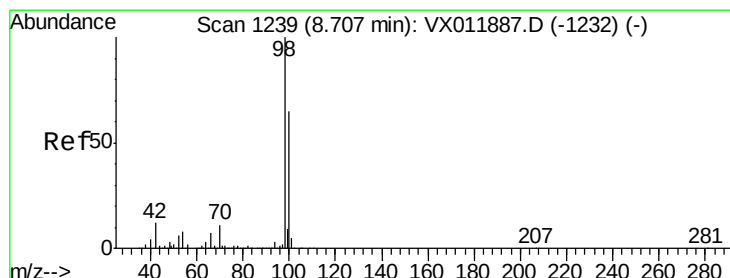
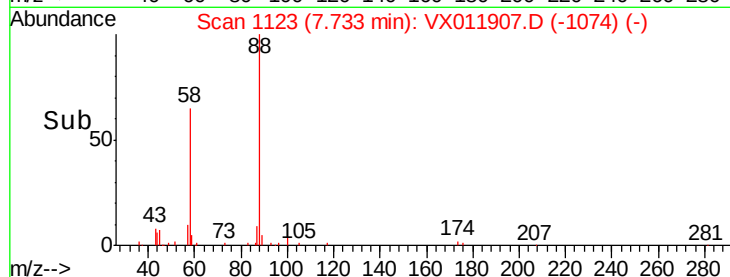
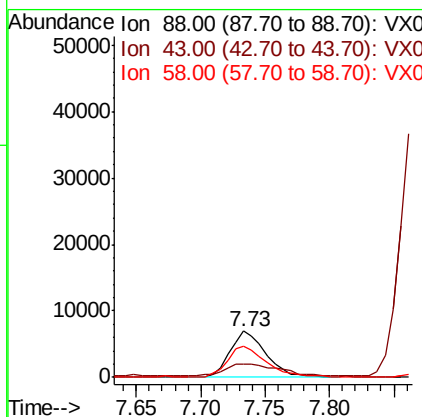
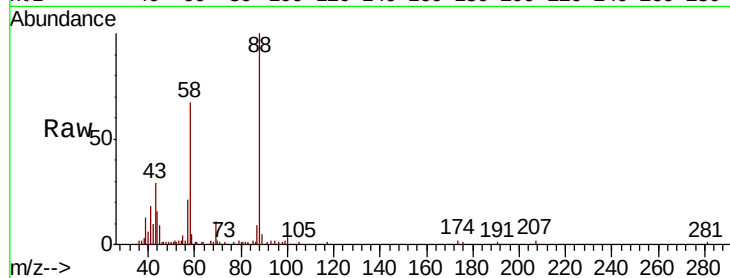
#49
1,4-Dioxane
Concen: 427.390 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	27.3	40.9
58	69.3	53.9	80.9

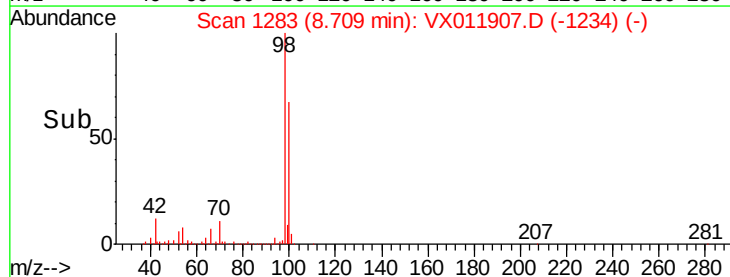
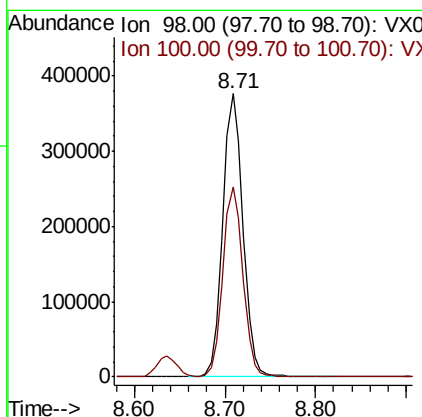
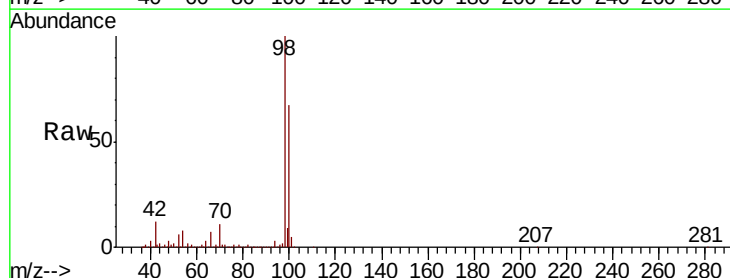
Manual Integrations
APPROVED

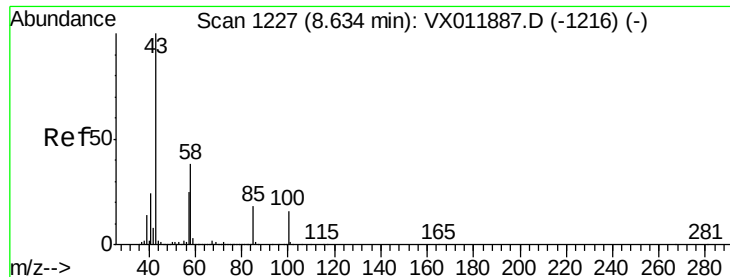
MMDadoda
9/3/2019 2:41:07 AM



#50
Toluene-d8
Concen: 50.628 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





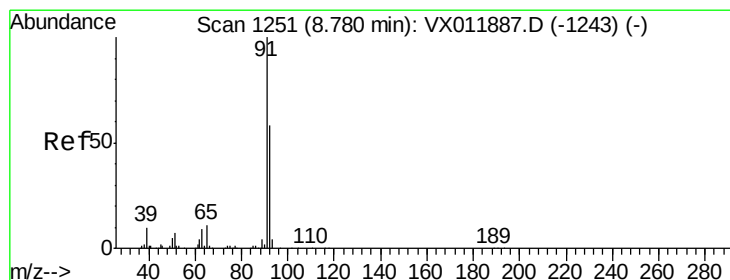
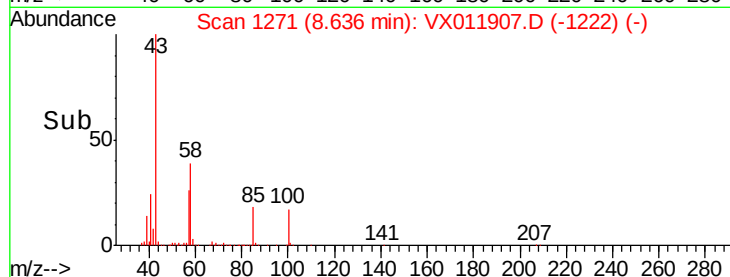
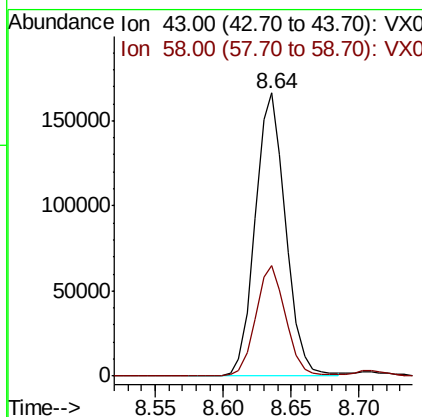
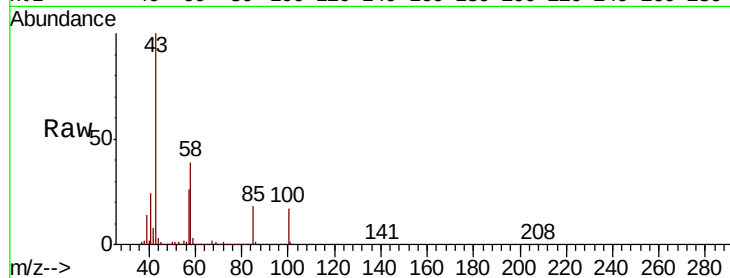
#51
4-Methyl-2-Pentanone
Concen: 106.892 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.9	46.3

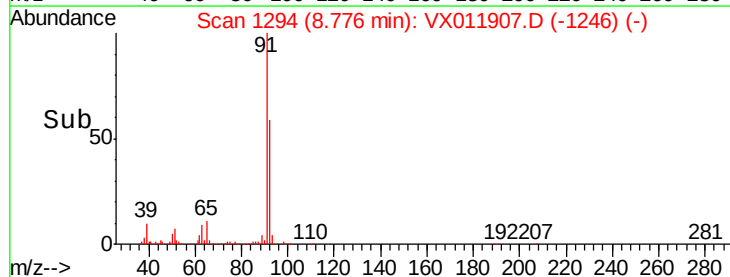
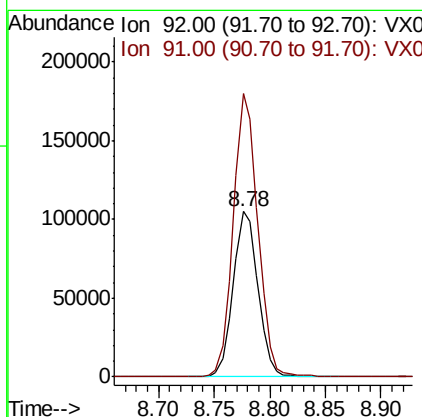
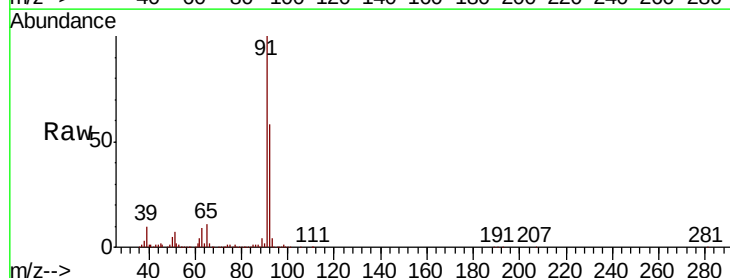
Manual Integrations
APPROVED

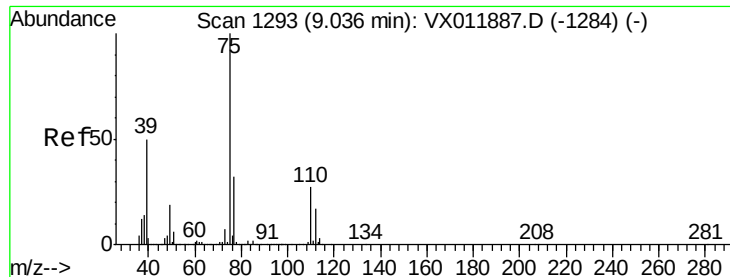
MMDadoda
9/3/2019 2:41:07 AM



#52
Toluene
Concen: 20.576 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 20.854 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 75 Resp: 97970

Ion Ratio Lower Upper

75 100

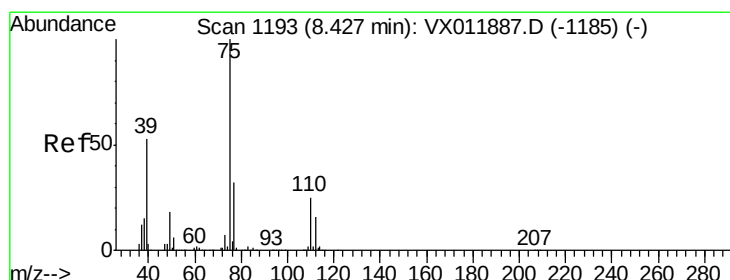
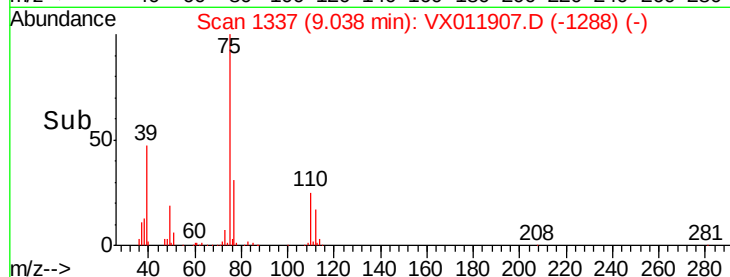
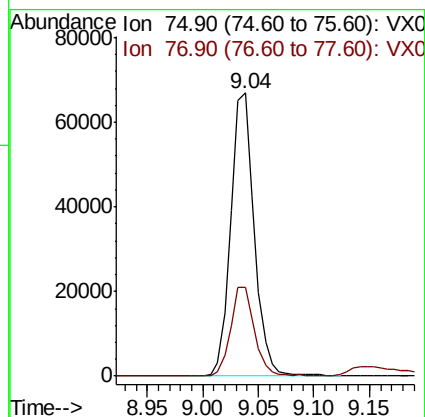
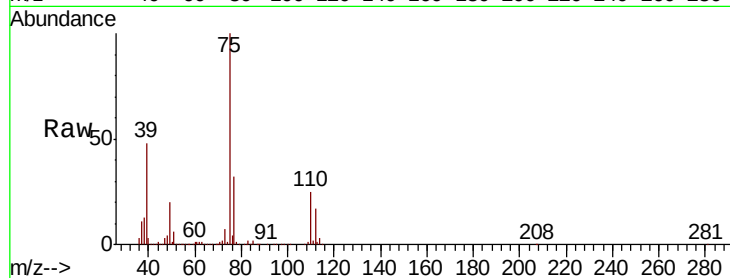
77 31.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:41:07 AM



#54

cis-1,3-Dichloropropene

Concen: 20.628 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

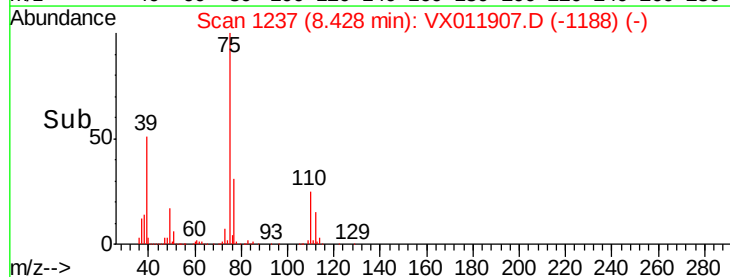
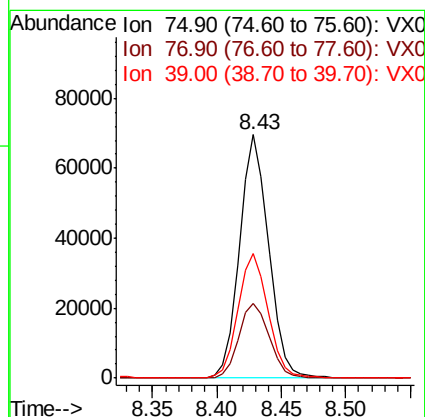
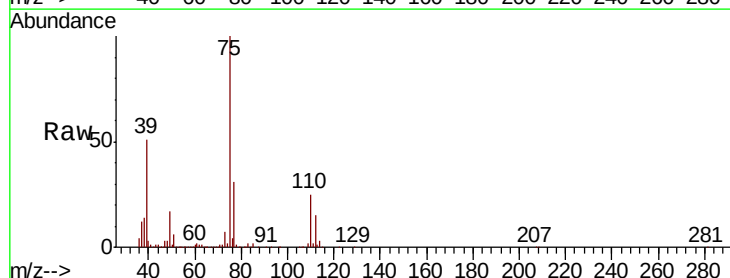
Tgt Ion: 75 Resp: 108783

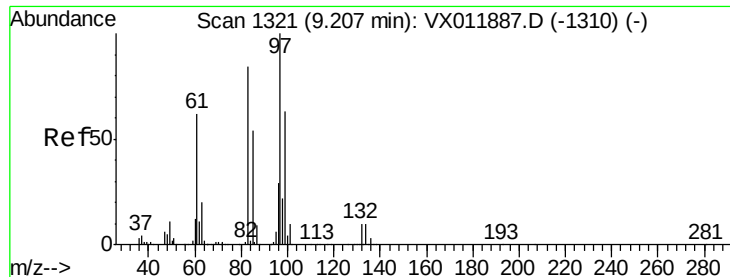
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 50.6 42.6 64.0





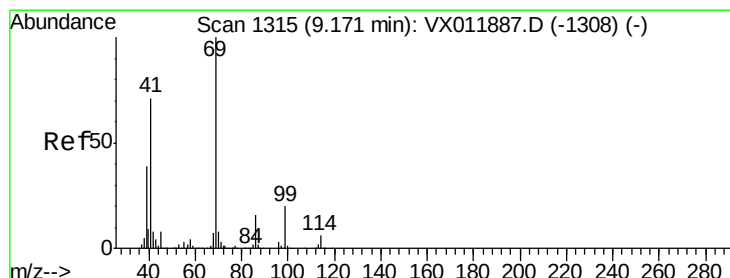
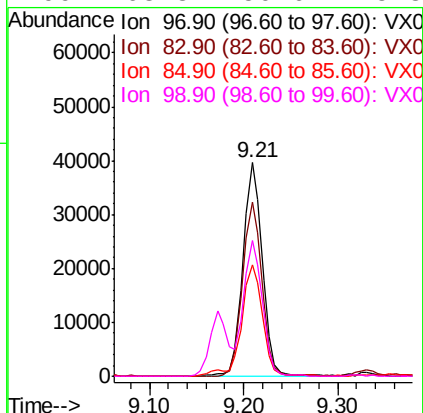
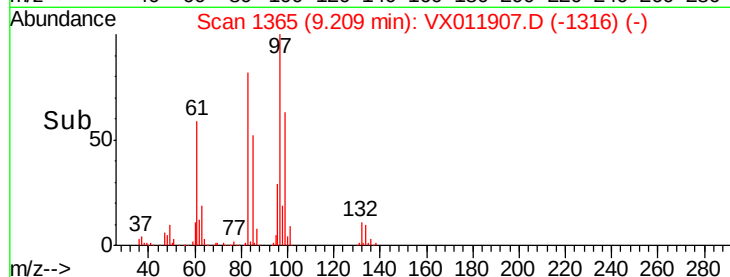
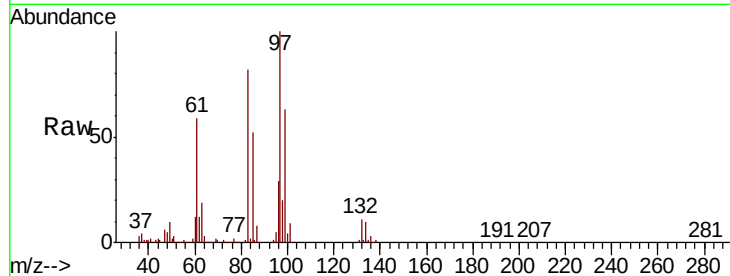
#55
 1,1,2-Trichloroethane
 Concen: 21.124 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion:	97	Resp:	57197
Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.8	100.2
85	51.9	43.5	65.3
99	63.3	50.6	75.8

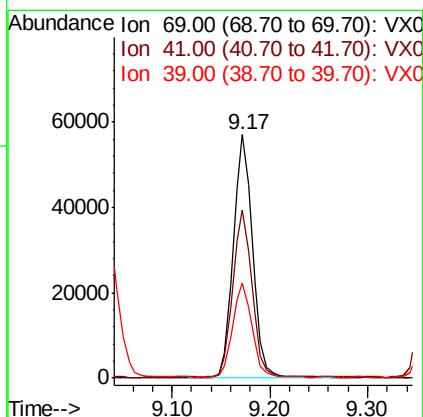
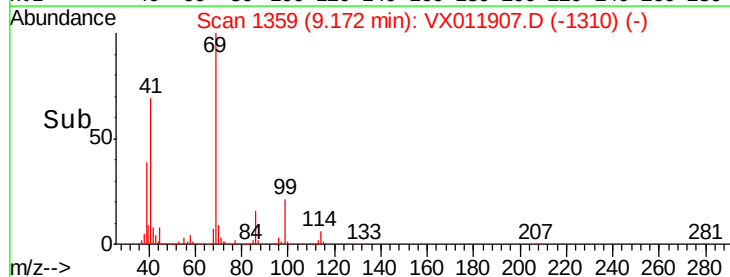
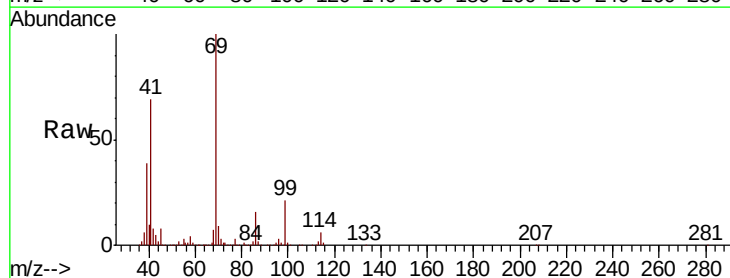
Manual Integrations
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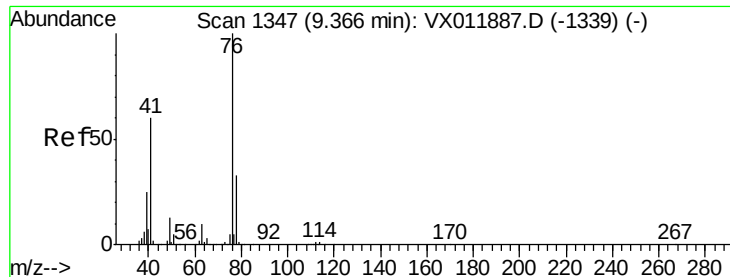
MMDadoda
 9/3/2019 2:41:07 AM



#56
 Ethyl methacrylate
 Concen: 20.729 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion:	69	Resp:	77897
Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.8	83.8
39	38.5	31.1	46.7





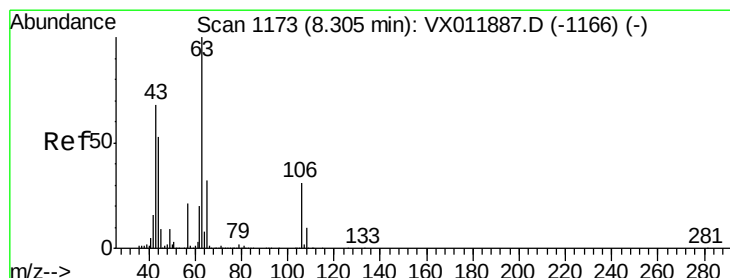
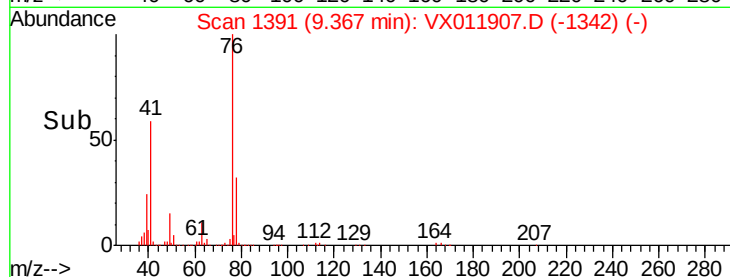
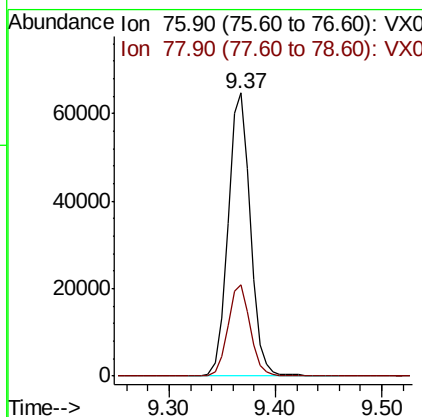
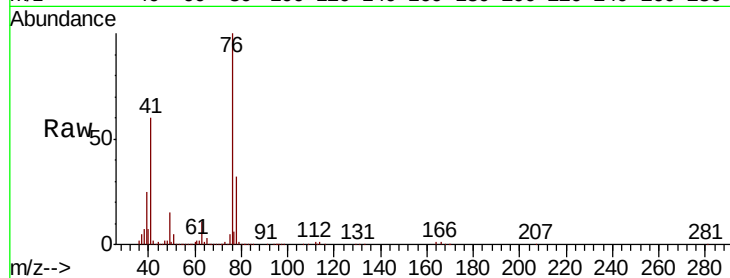
#57
 1,3-Dichloropropane
 Concen: 21.109 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampled :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.4	39.6

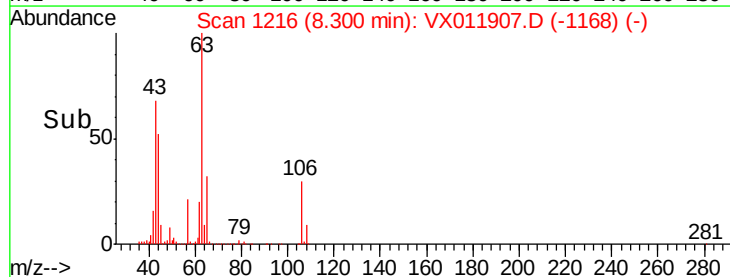
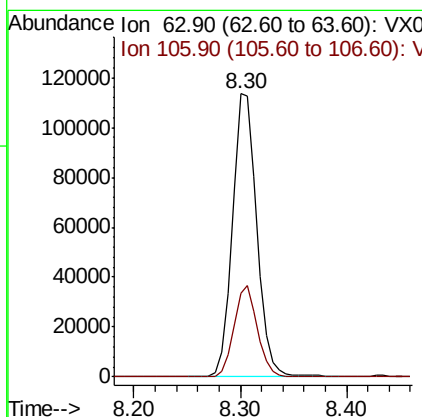
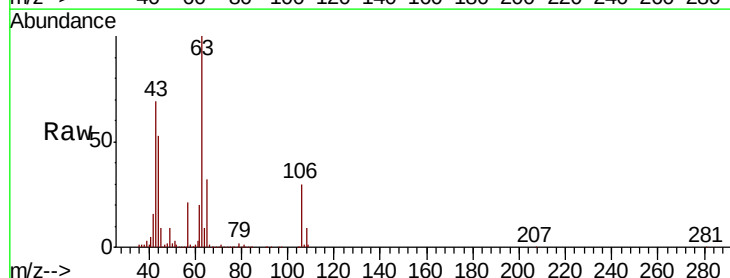
Manual Integrations
 APPROVED

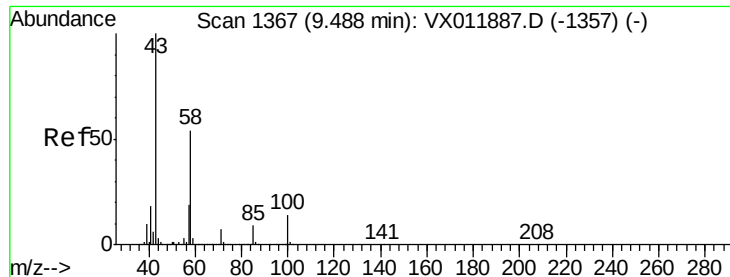
MMDadoda
 9/3/2019 2:41:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.755 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.8	37.2





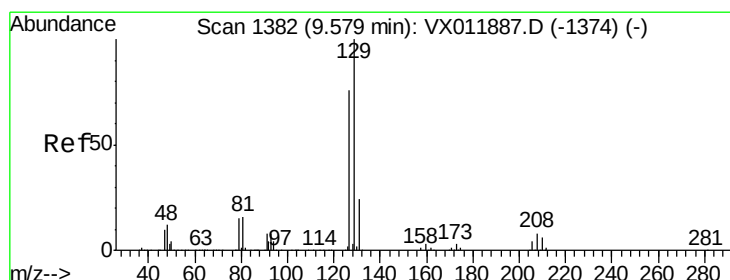
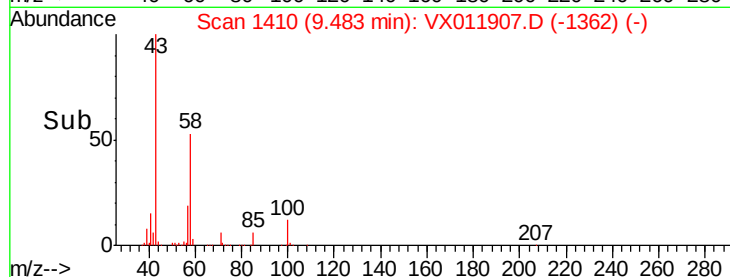
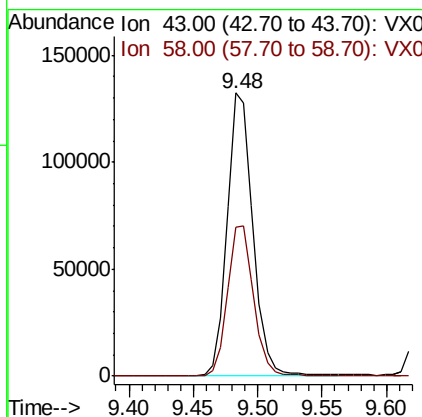
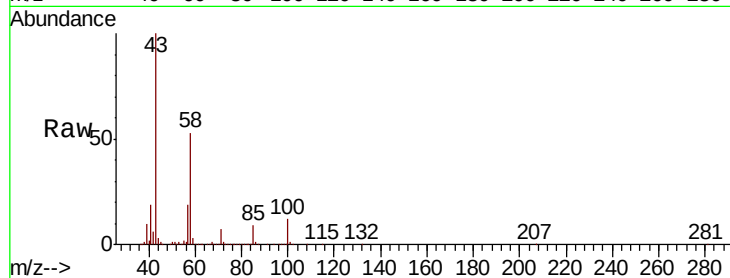
#59
2-Hexanone
Concen: 107.030 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion: 43 Resp: 185009
Ion Ratio Lower Upper
43 100
58 53.9 26.8 80.4

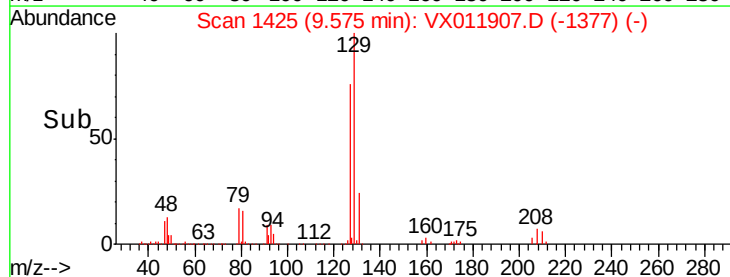
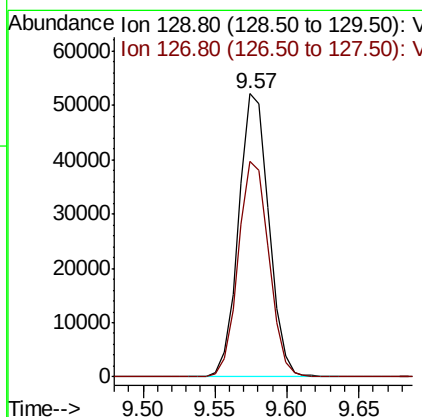
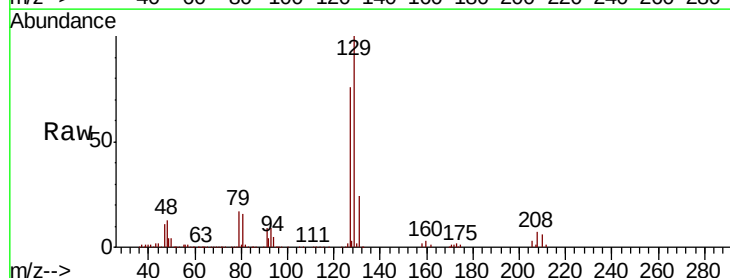
Manual Integrations
APPROVED

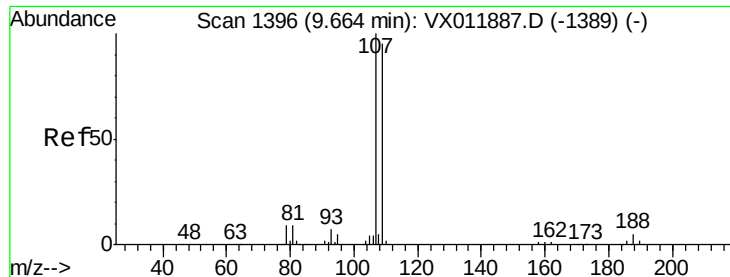
MMDadoda
9/3/2019 2:41:07 AM



#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion: 129 Resp: 76327
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.151 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 107 Resp: 56780

Ion Ratio Lower Upper

107 100

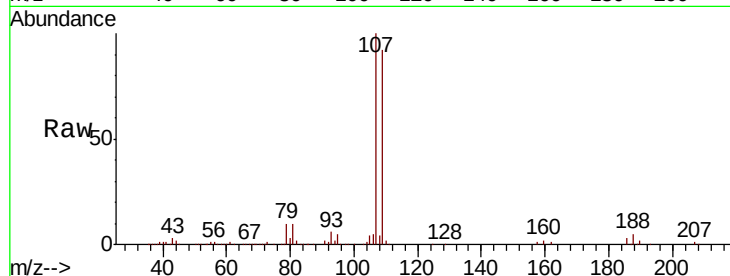
109 94.5 75.3 112.9

Manual Integrations

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9/3/2019 2:41:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

40000

30000

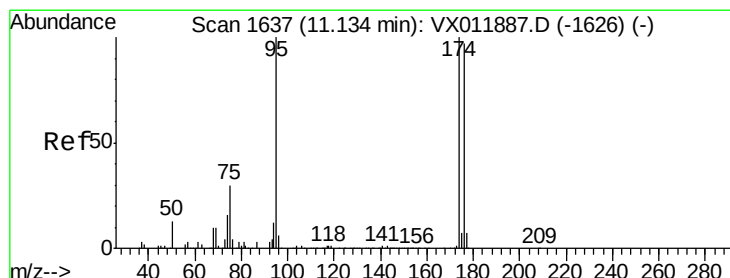
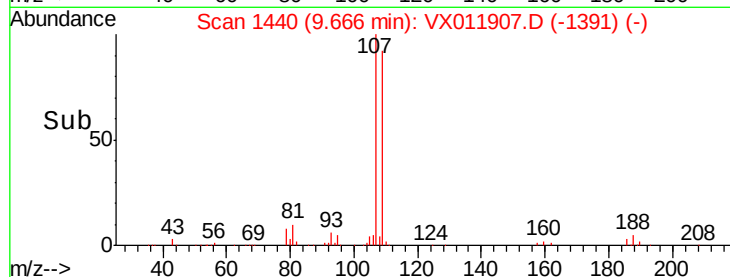
20000

10000

0

9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 47.486 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

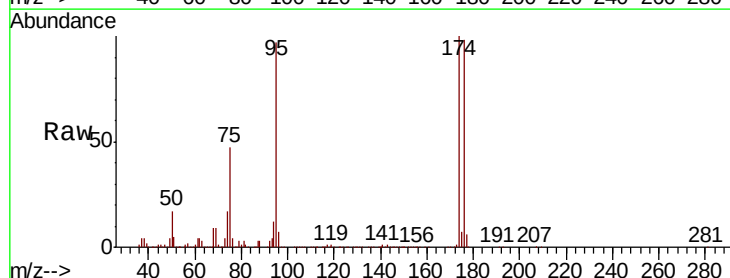
Tgt Ion: 95 Resp: 240562

Ion Ratio Lower Upper

95 100

174 98.6 0.0 196.0

176 96.1 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

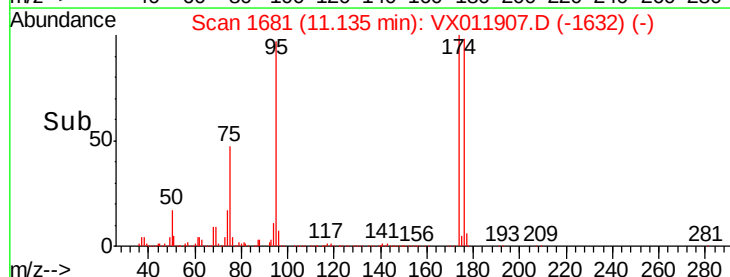
100000

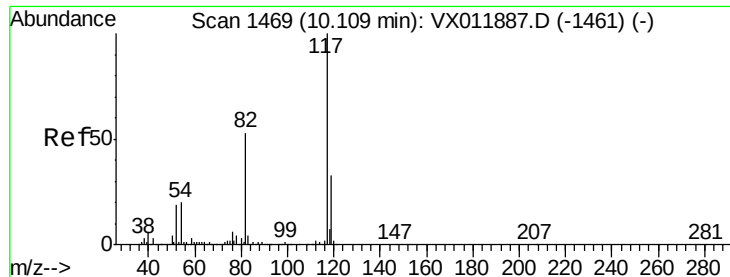
50000

0

11.10 11.20

Time-->





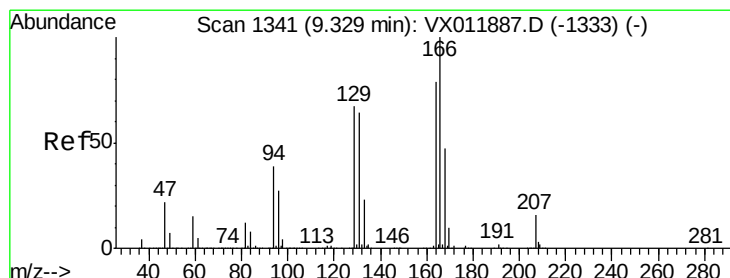
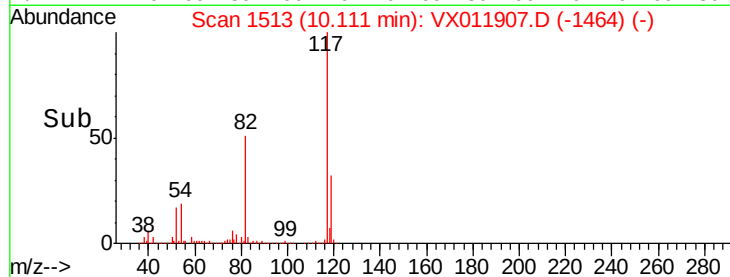
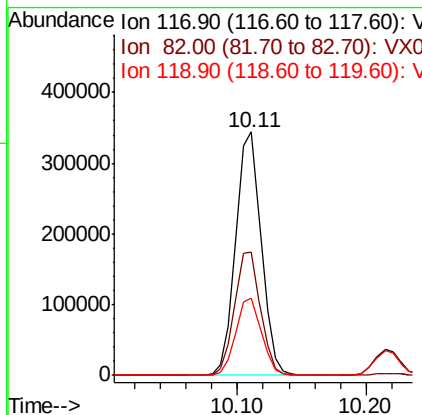
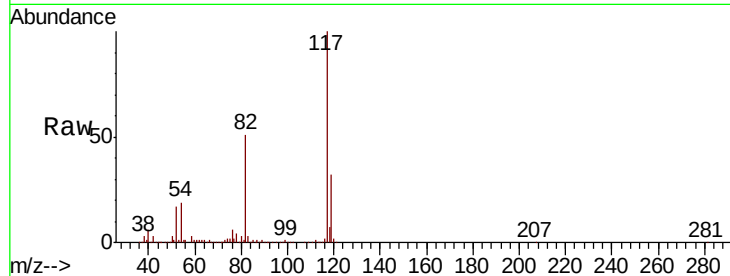
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.0	63.0
119	31.9	26.2	39.4

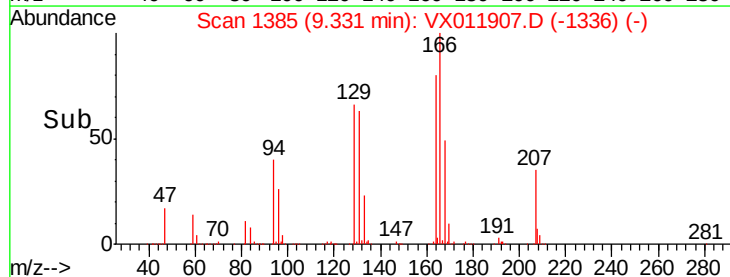
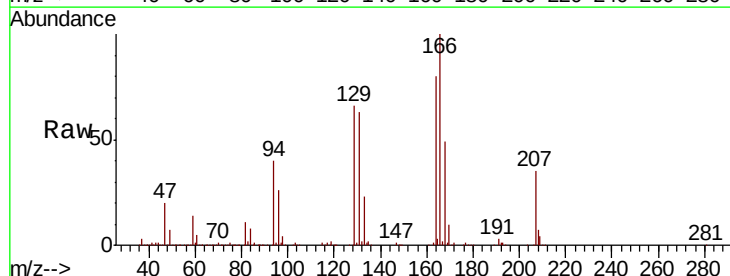
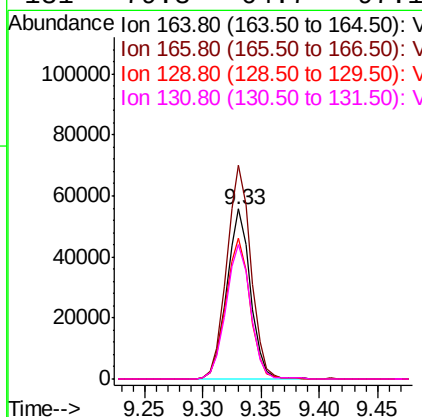
Manual Integrations
APPROVED

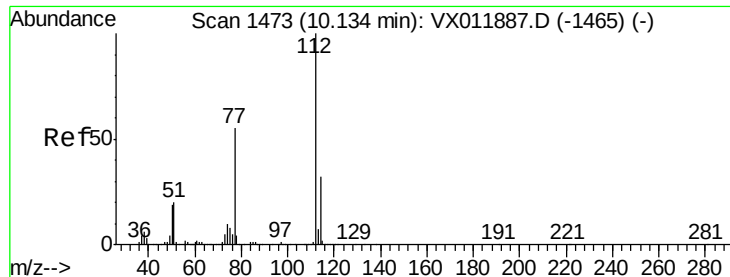
MMDadoda
9/3/2019 2:41:07 AM



#64
Tetrachloroethene
Concen: 20.464 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.4	152.0
129	82.9	68.0	102.0
131	79.3	64.7	97.1





#65

Chlorobenzene

Concen: 20.670 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:112 Resp: 190854

Ion Ratio Lower Upper

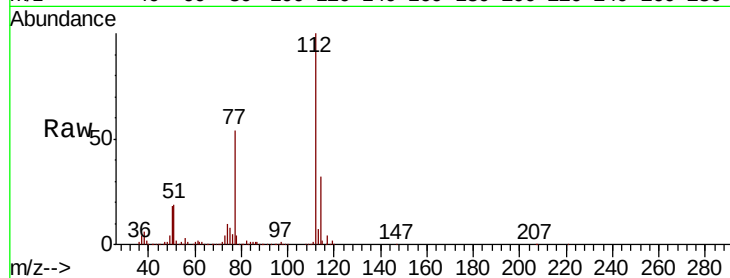
112 100

114 31.5 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

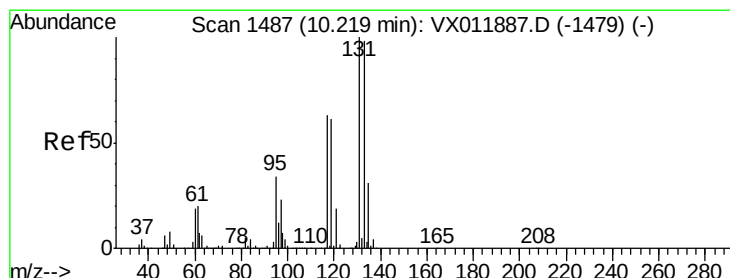
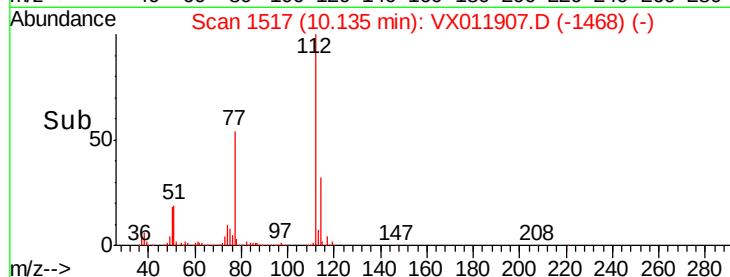
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.962 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

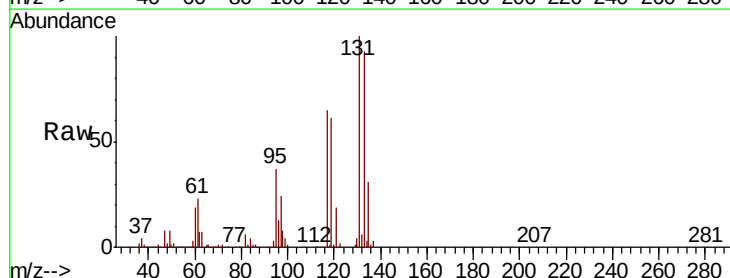
Tgt Ion:131 Resp: 78270

Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.0

119 61.4 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

10.21

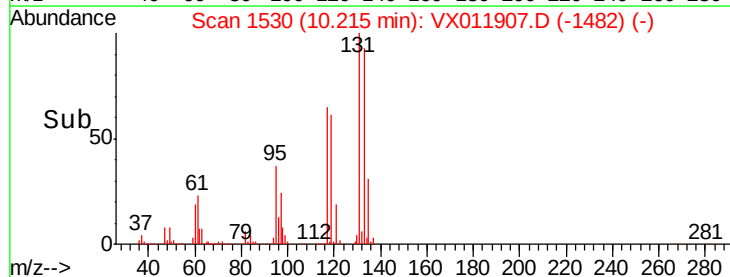
150000

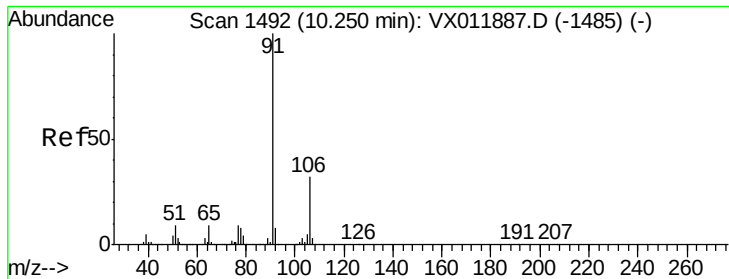
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.480 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 91 Resp: 321664

Ion Ratio Lower Upper

91 100

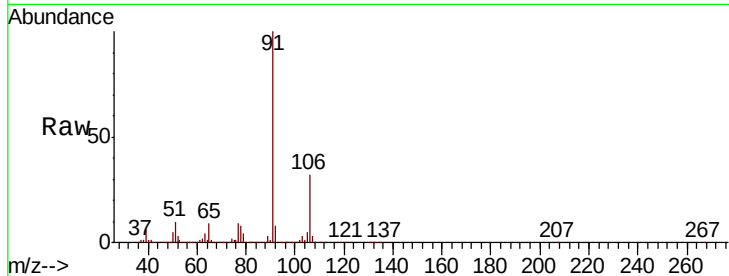
106 32.1 25.8 38.8

Manual Integrations

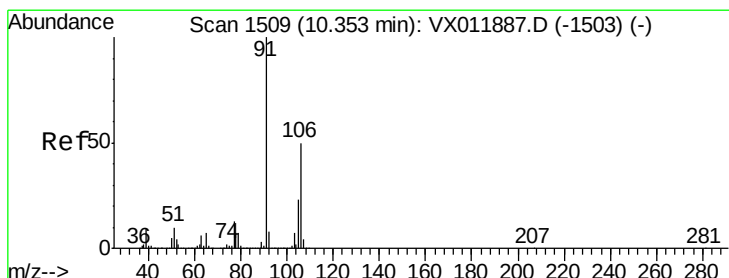
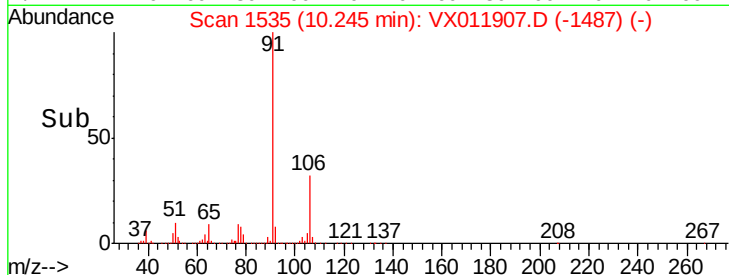
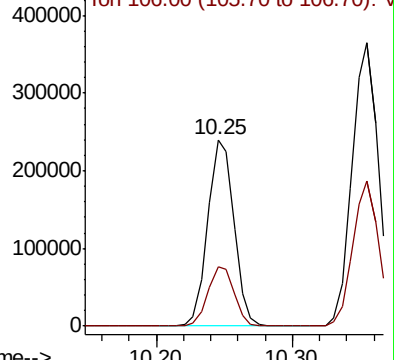
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Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1485) (-)



#68

m/p-Xylenes

Concen: 41.016 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011907.D

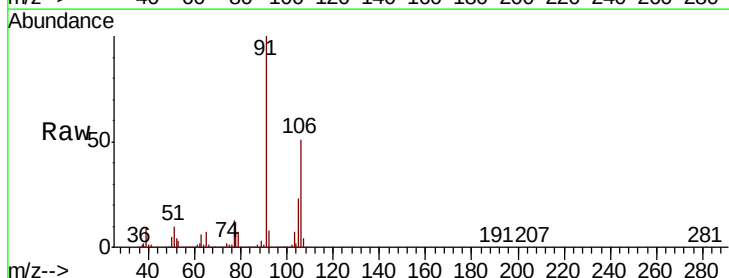
Acq: 30 Aug 2019 14:07

Tgt Ion: 106 Resp: 248751

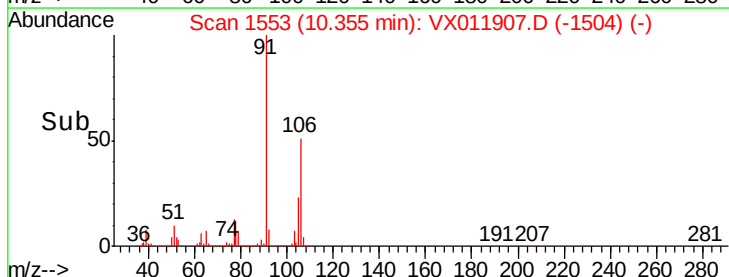
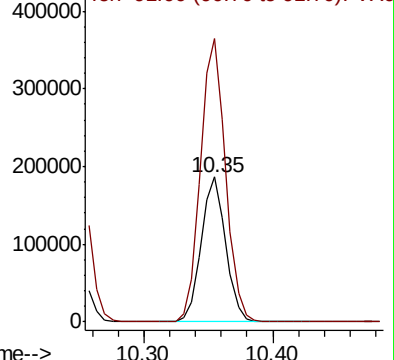
Ion Ratio Lower Upper

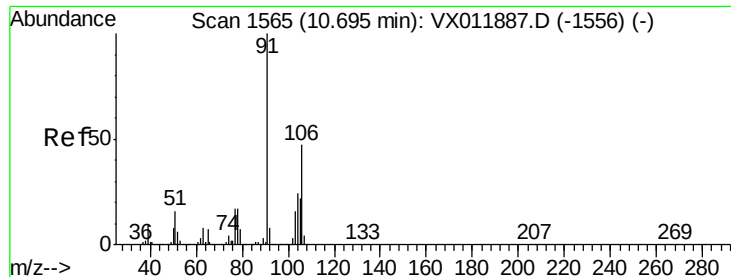
106 100

91 199.6 158.6 237.8



Abundance Ion 106.00 (105.70 to 106.70): VX011887.D (-1503) (-)





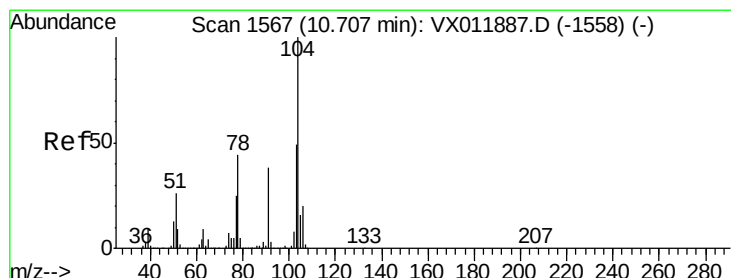
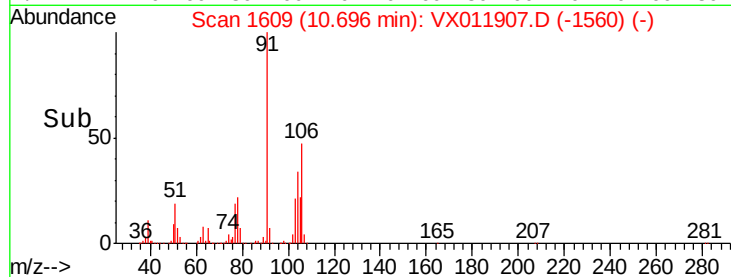
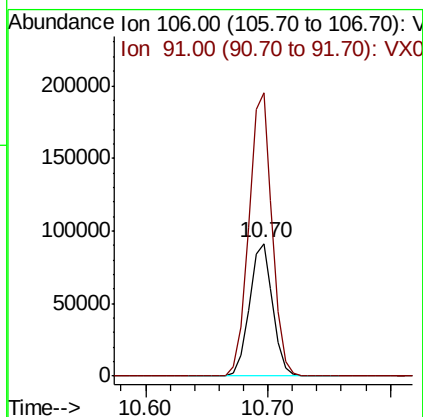
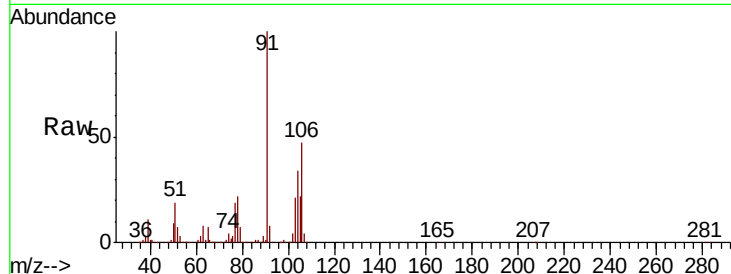
#69
o-Xylene
Concen: 20.468 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	120962		
91	212.0	104.8	314.6	

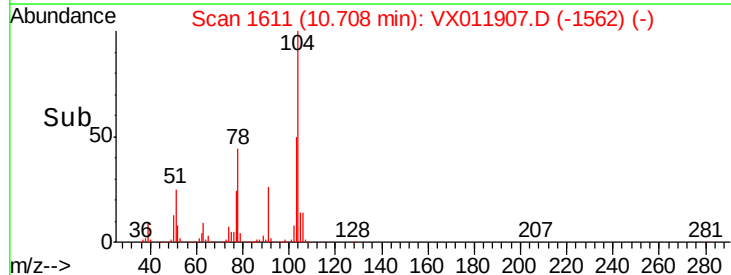
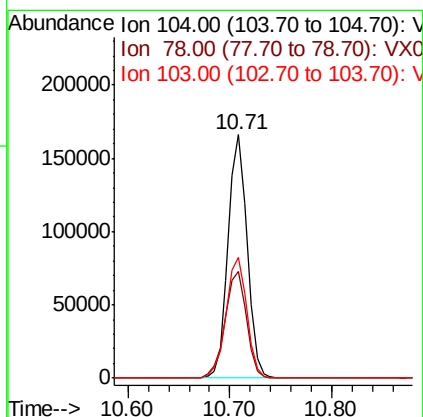
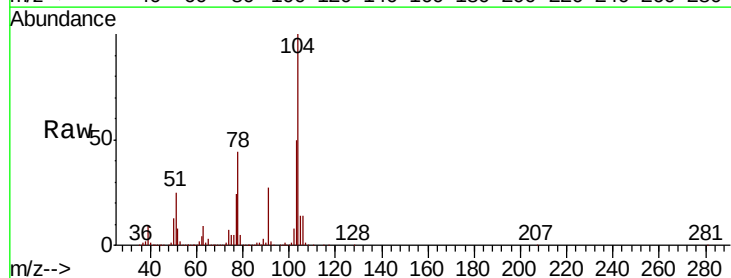
Manual Integrations
APPROVED

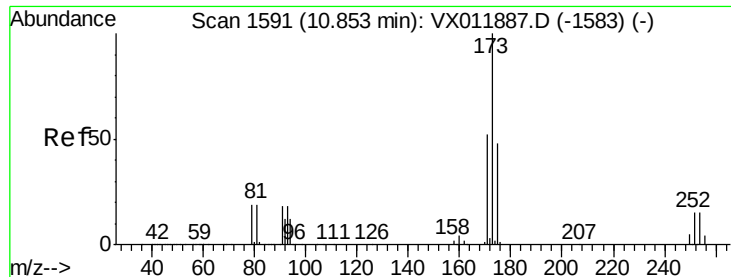
MMDadoda
9/3/2019 2:41:07 AM



#70
Styrene
Concen: 20.647 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	215070		
78	49.5	39.2	58.8	
103	54.2	43.0	64.6	





#71

Bromoform

Concen: 20.961 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:173 Resp: 55341

Ion Ratio Lower Upper

173 100

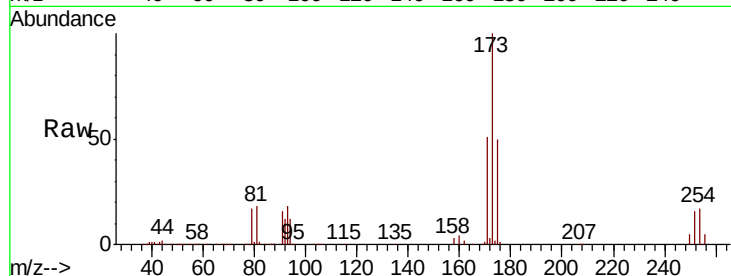
175 49.3 24.4 73.2

254 0.3 0.1 0.1#

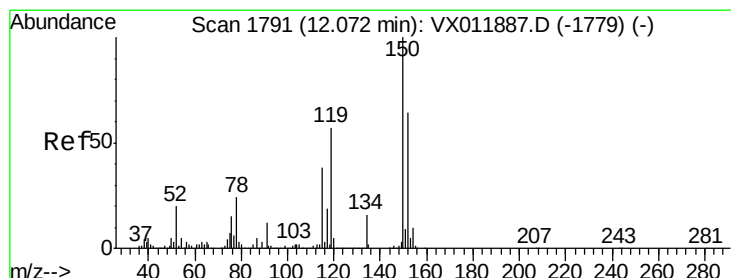
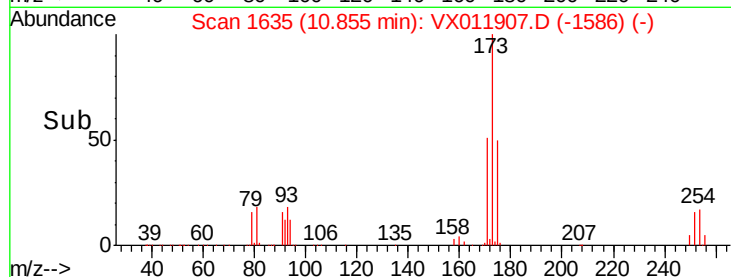
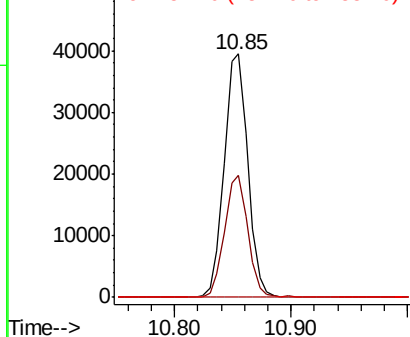
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

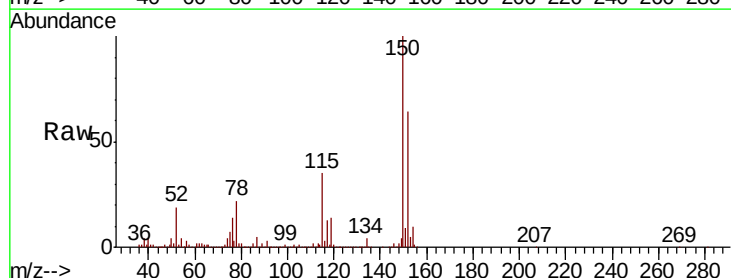
Tgt Ion:152 Resp: 278231

Ion Ratio Lower Upper

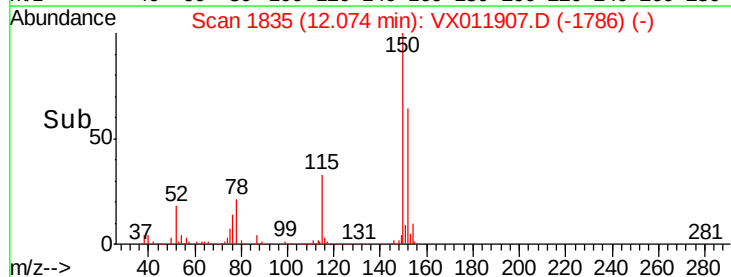
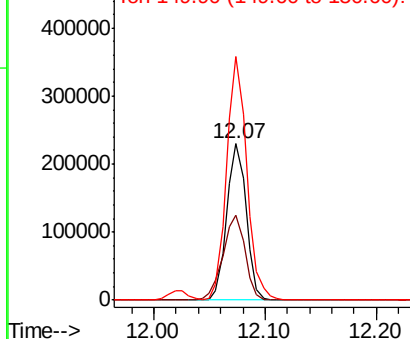
152 100

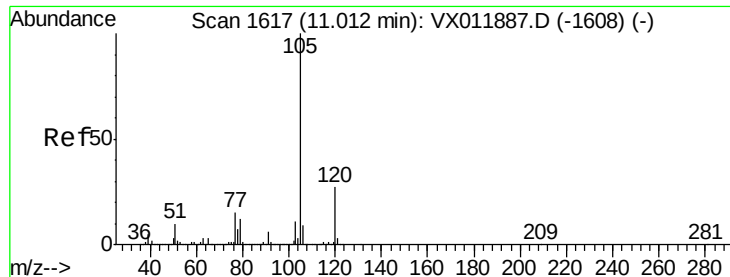
115 61.8 37.1 111.3

150 160.9 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: 20.659 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:105 Resp: 330265

Ion Ratio Lower Upper

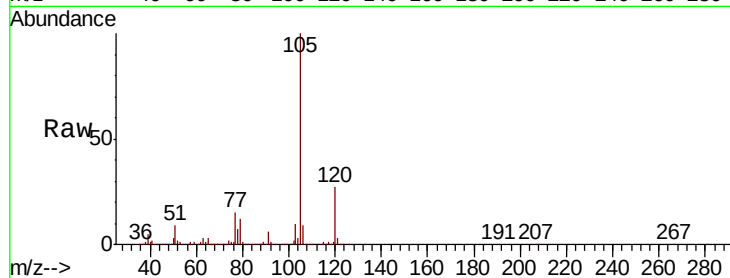
105 100

120 27.5 13.8 41.4

Manual Integrations
APPROVED

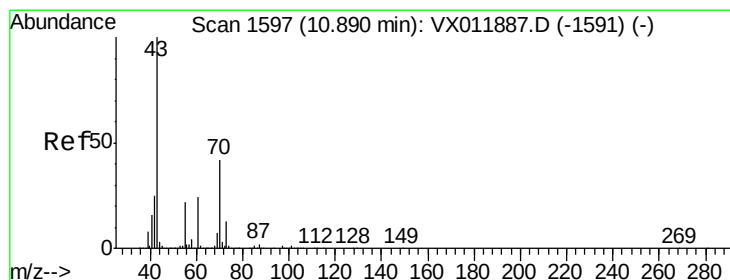
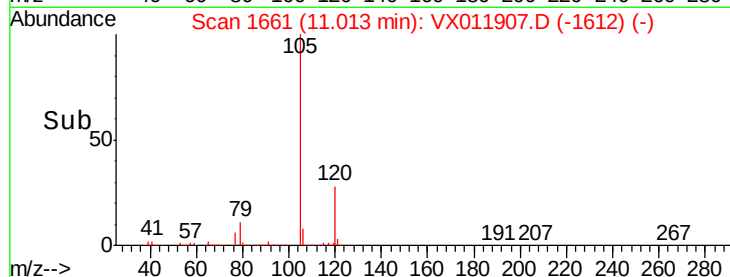
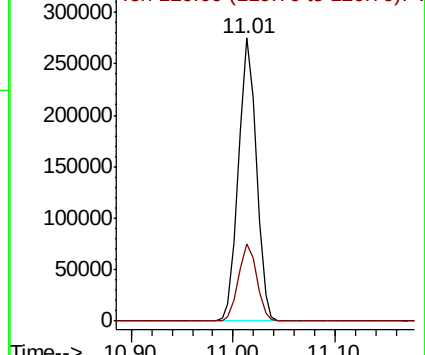
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.305 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion: 43 Resp: 96330

Ion Ratio Lower Upper

43 100

70 43.1 0.2 0.2#

55 22.7 0.1 0.1#

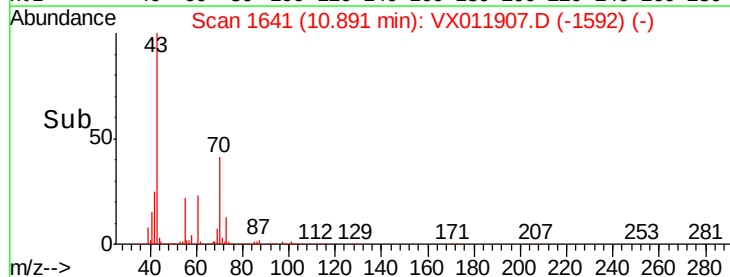
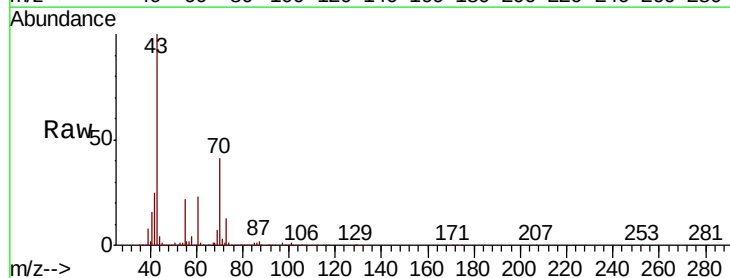
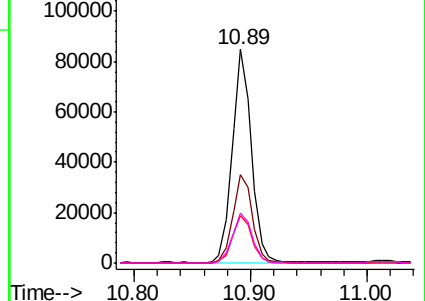
61 23.9 16.4 24.6

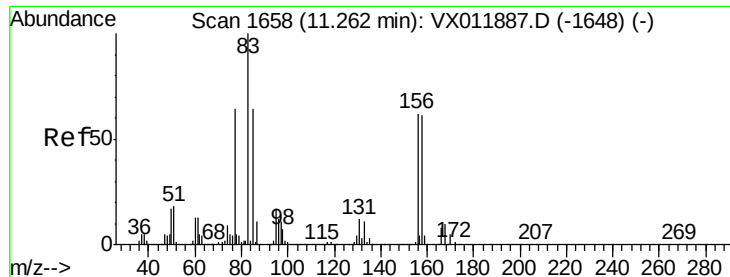
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.038 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

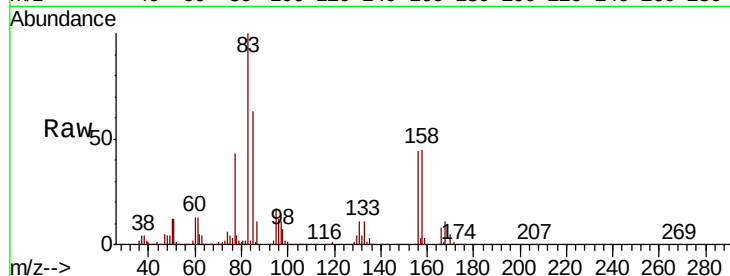
ClientSampled :

VX0830SBS01

Tot Ion:	83	Resp:	68831
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.0	18.0
85	64.5	31.9	95.9

Manual Integrations
APPROVED

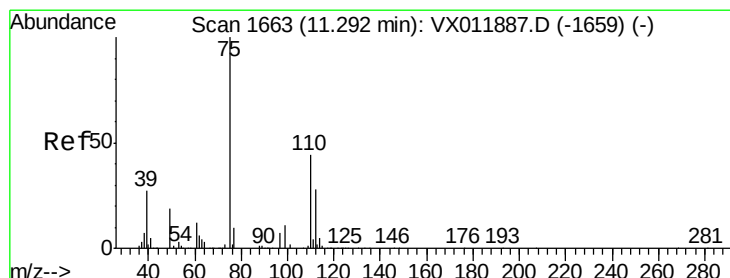
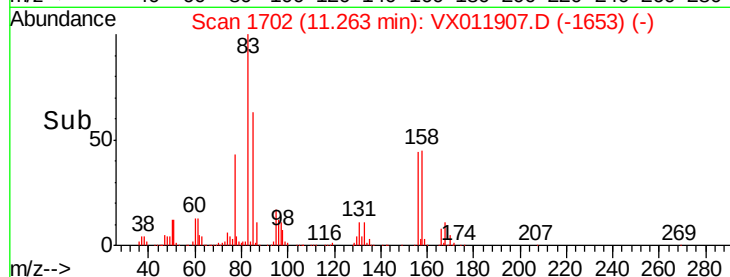
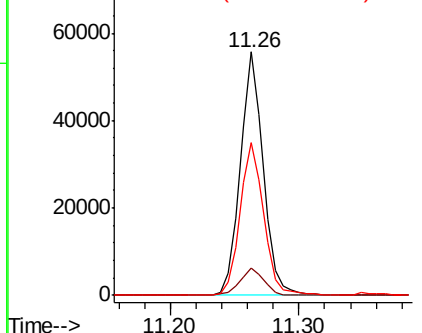
MMDadoda
9/3/2019 2:41:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.105 ug/l m

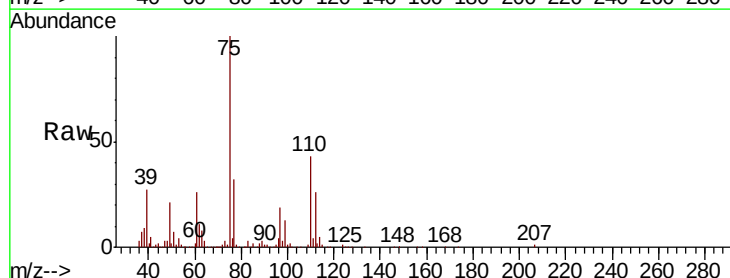
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011907.D

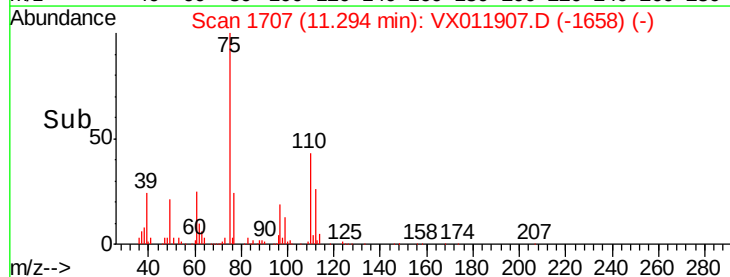
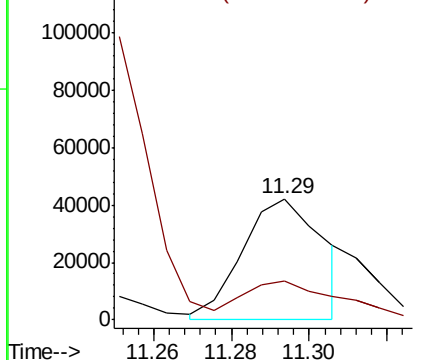
Acq: 30 Aug 2019 14:07

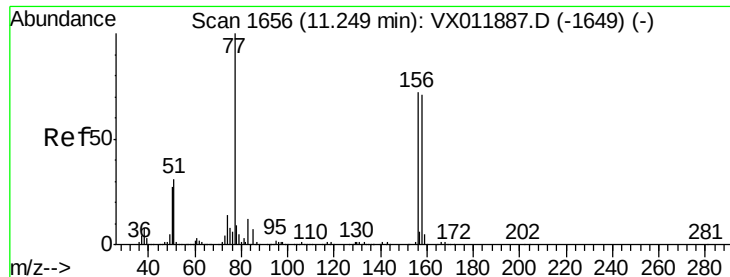
Tgt Ion:	75	Resp:	60502
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.9	62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





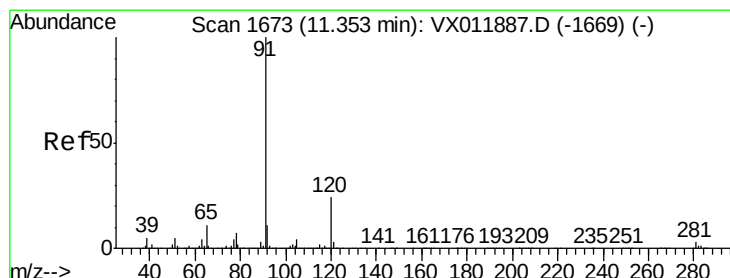
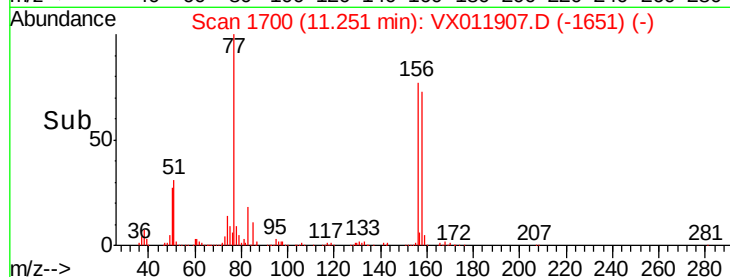
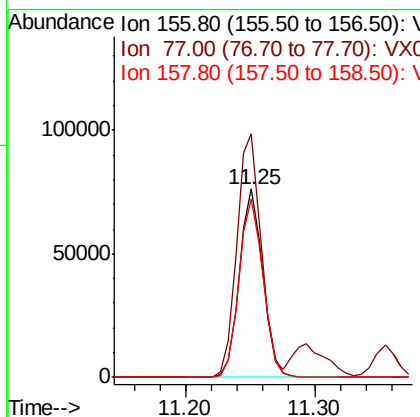
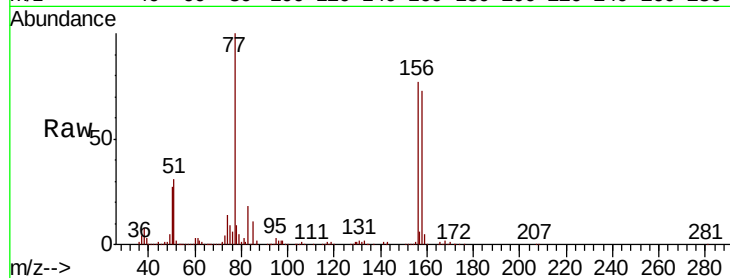
#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.3	68.1	204.3
158	96.8	48.9	146.8

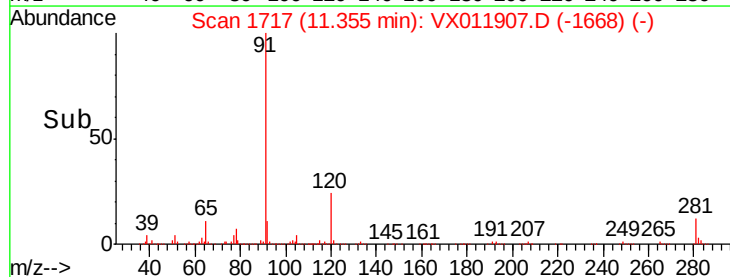
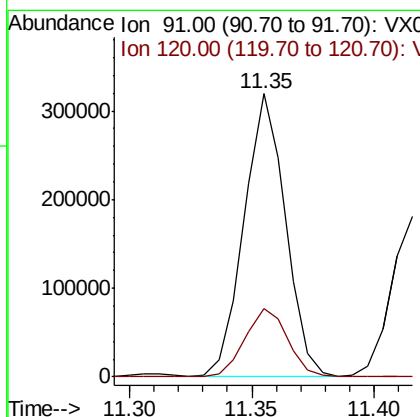
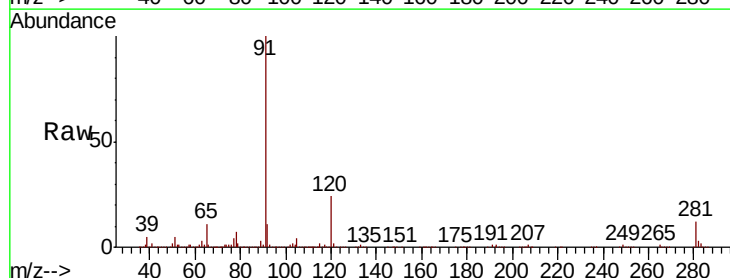
Manual Integrations
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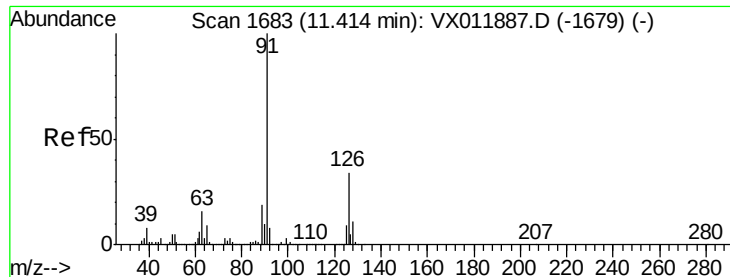
MMDadoda
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#78
n-propylbenzene
Concen: 20.638 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.3	36.9





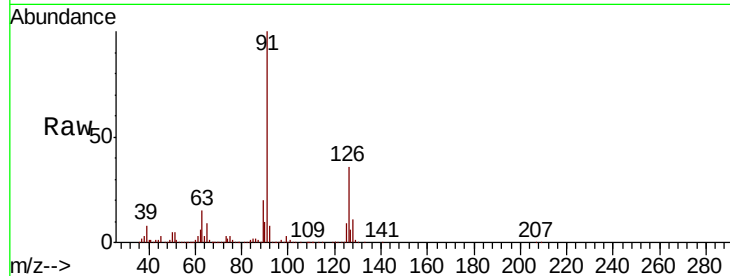
#79
 2-Chlorotoluene
 Concen: 20.627 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampled :
 VX0830SBS01

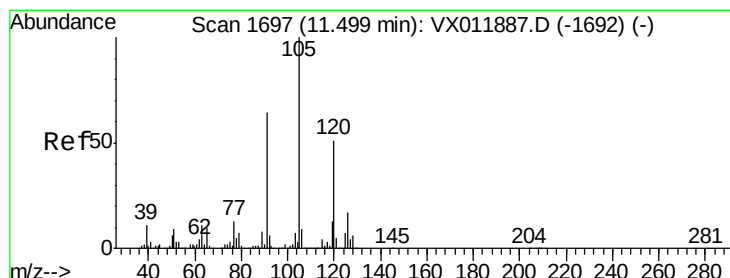
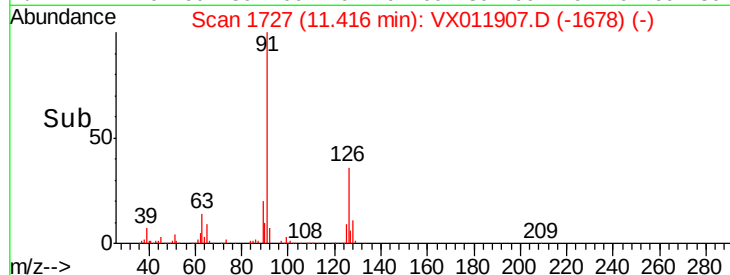
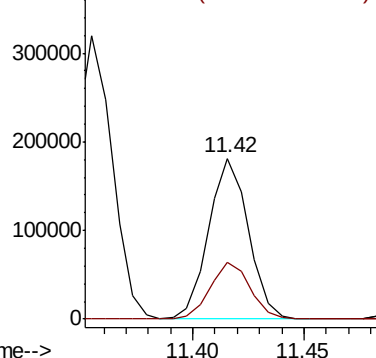
Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8

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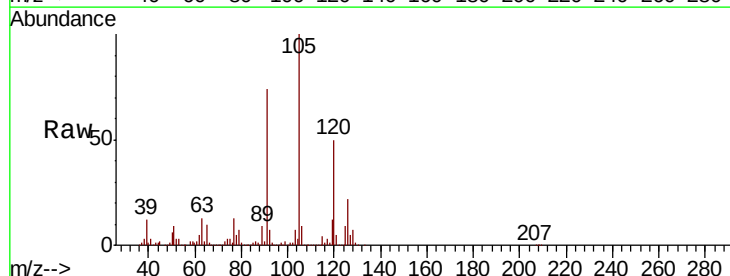


Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

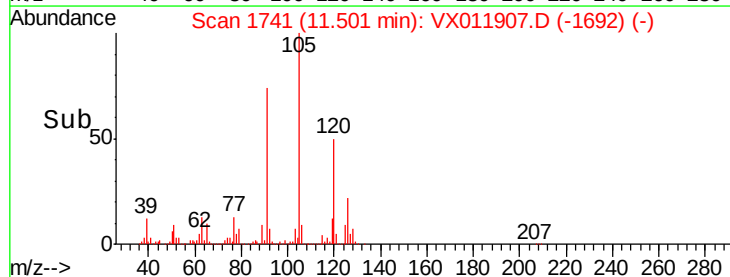
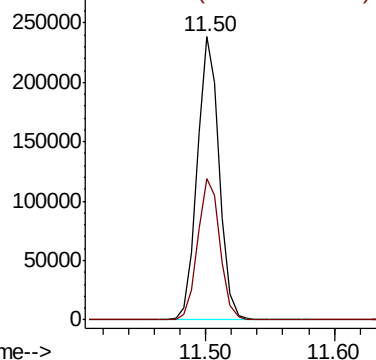


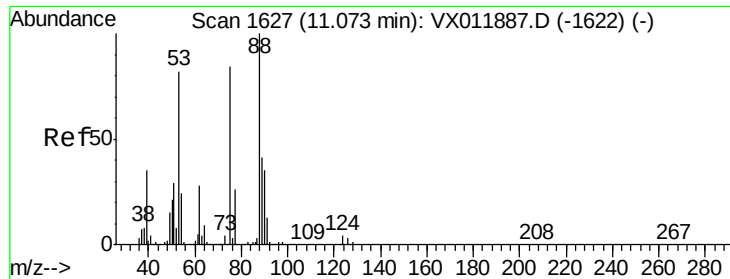
#80
 1,3,5-Trimethylbenzene
 Concen: 20.548 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	25.3	75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)





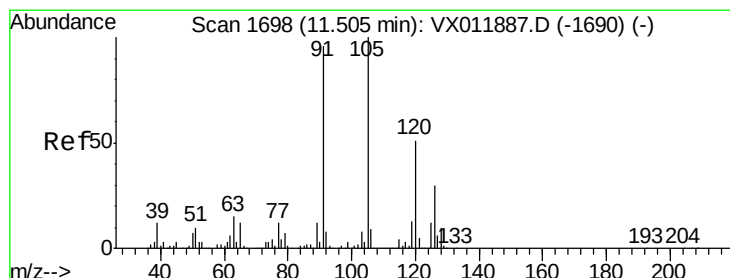
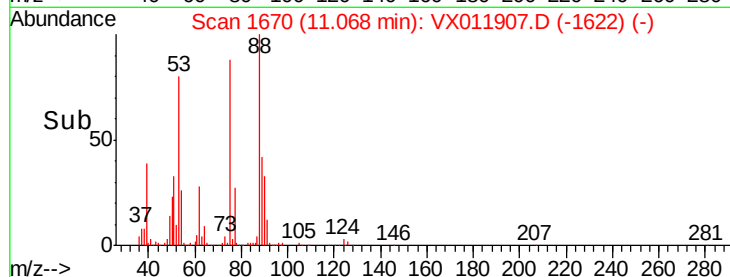
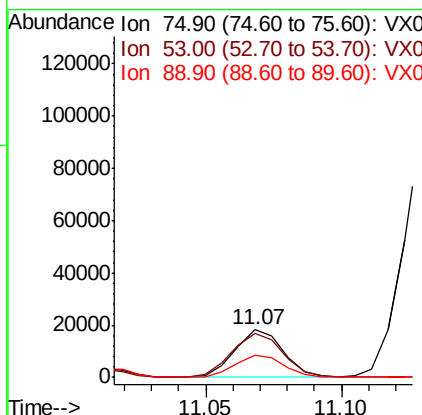
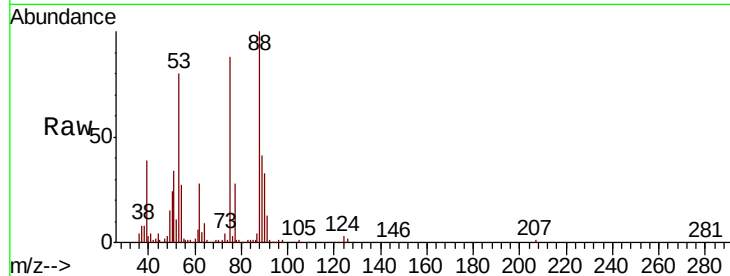
#81
trans-1,4-Dichloro-2-butene
Concen: 20.892 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	77.1	115.7
89	47.7	38.2	57.2

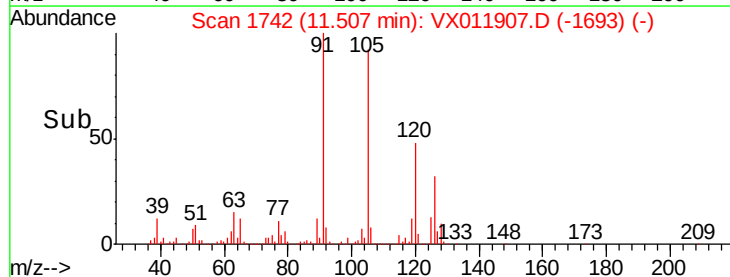
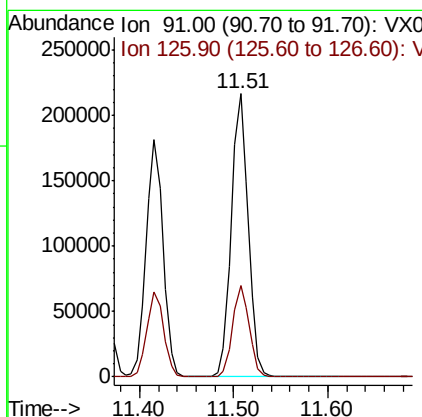
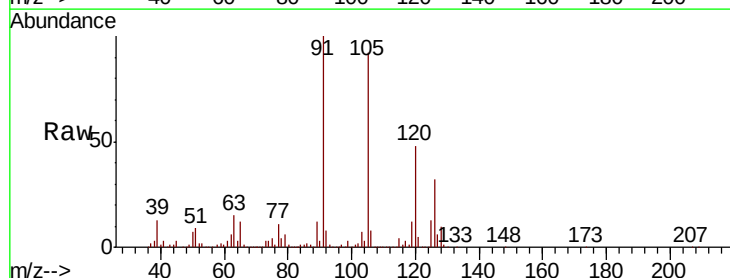
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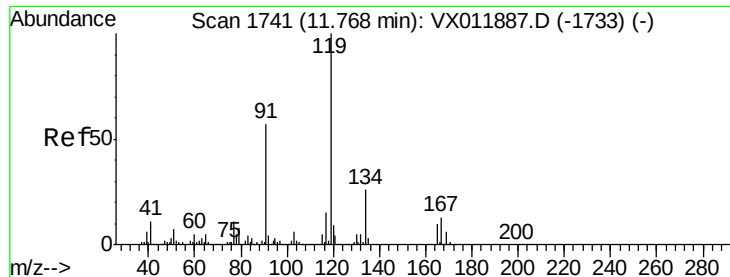
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.446 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.6





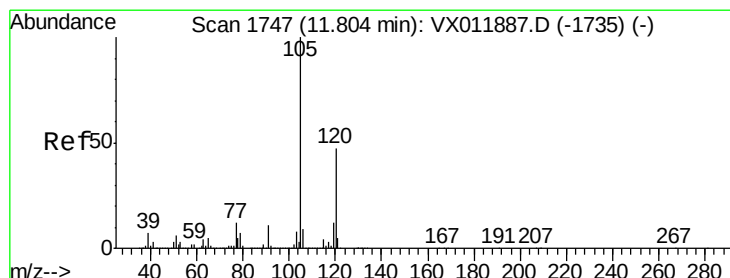
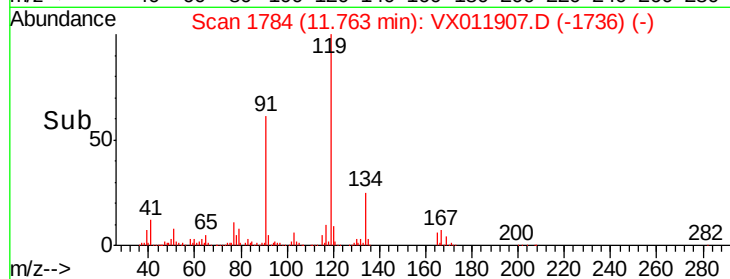
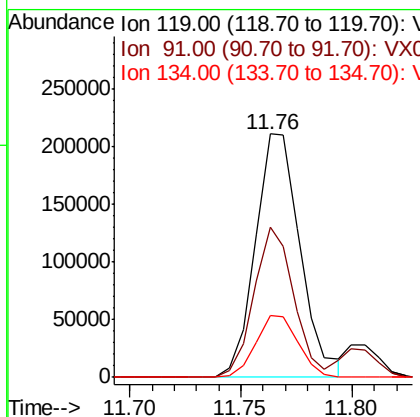
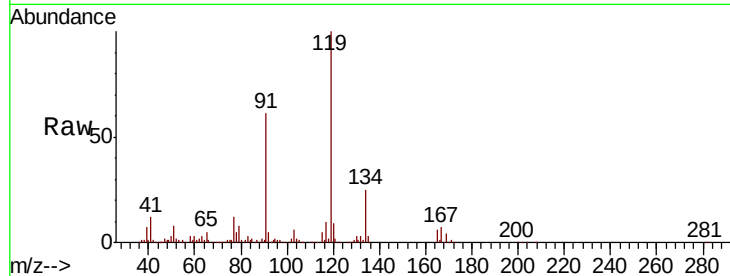
#83
 tert-Butylbenzene
 Concen: 21.052 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294768		
91	55.0	27.9	83.6	
134	24.1	12.3	36.8	

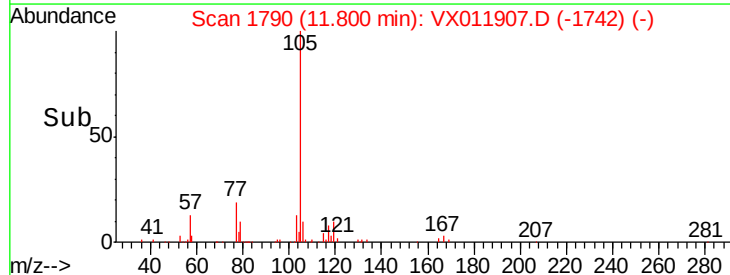
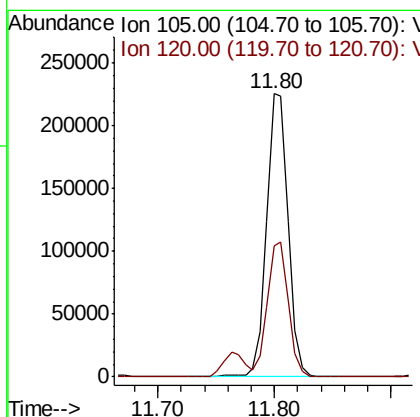
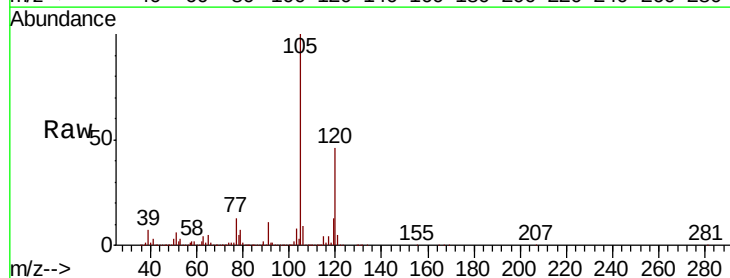
Manual Integrations
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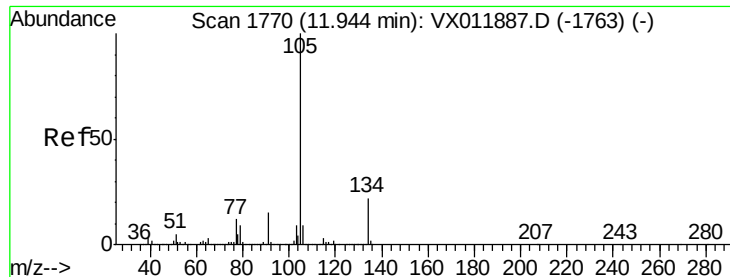
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.397 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	288442		
120	46.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.805 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:105 Resp: 338347

Ion Ratio Lower Upper

105 100

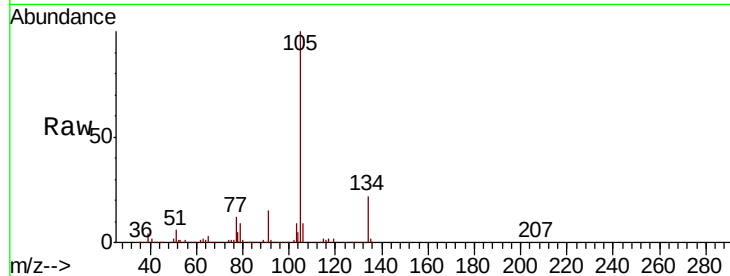
134 21.9 10.9 32.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

300000

250000

200000

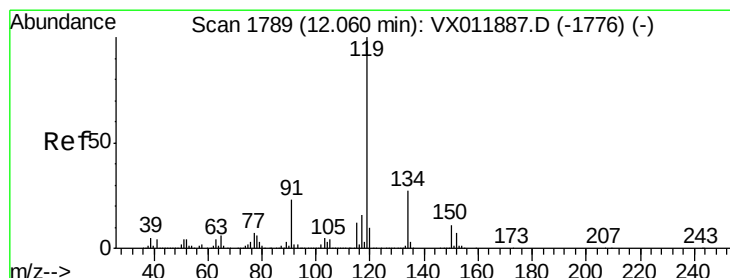
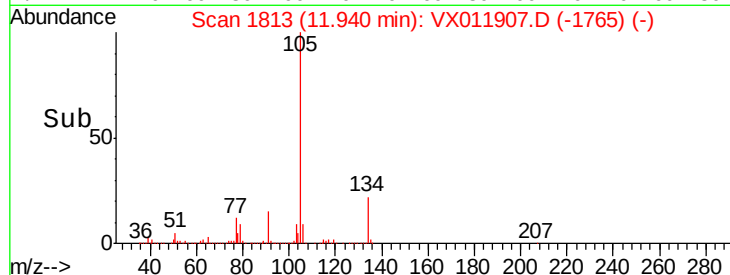
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 20.701 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

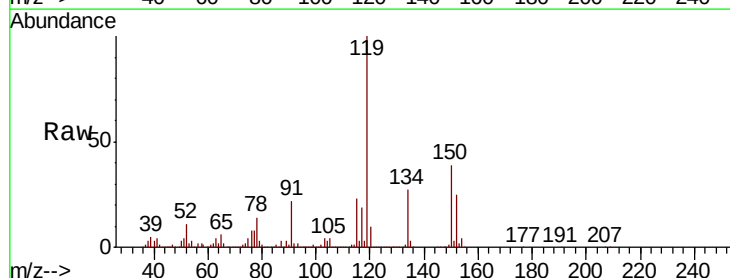
Tgt Ion:119 Resp: 326447

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 23.1 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

12.06

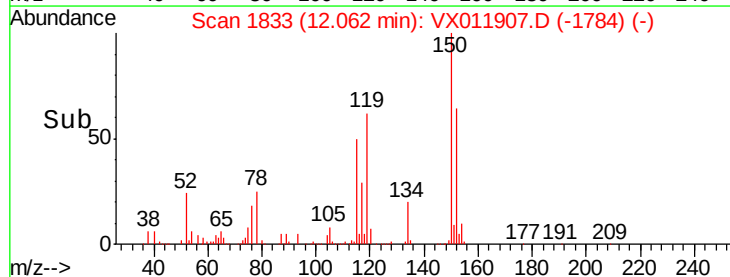
300000

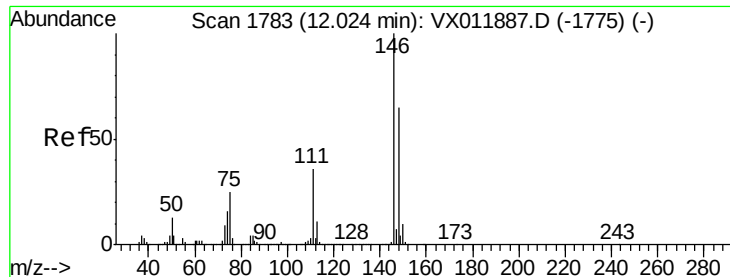
200000

100000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 20.635 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

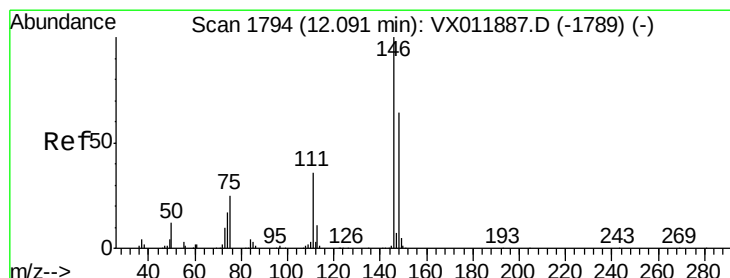
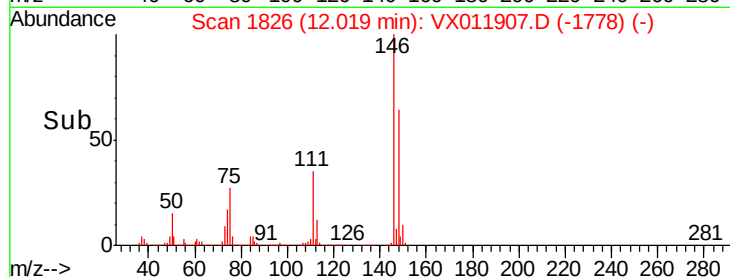
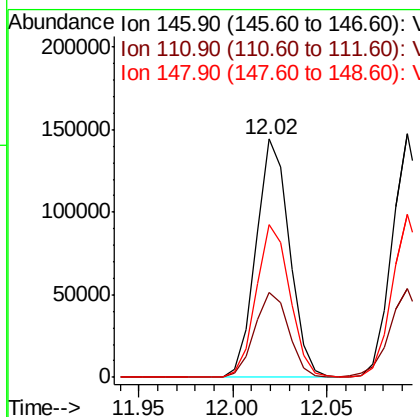
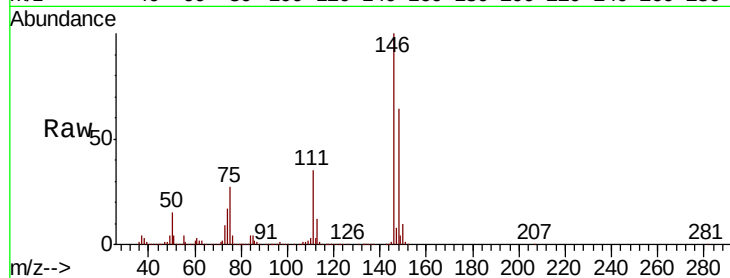
ClientSampled :

VX0830SBS01

Tot Ion:	146	Resp:	177809
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.4	55.2
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 20.268 ug/l

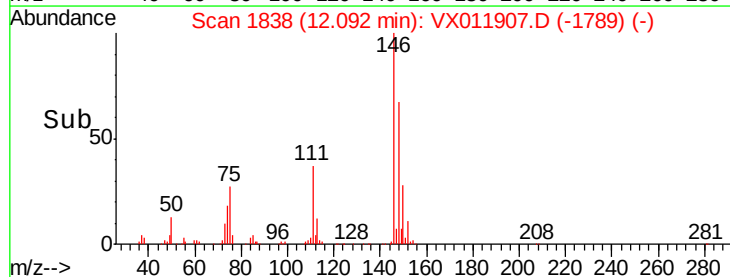
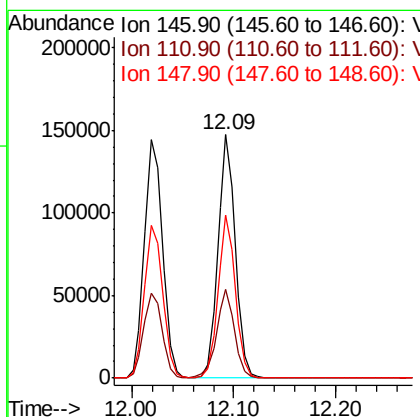
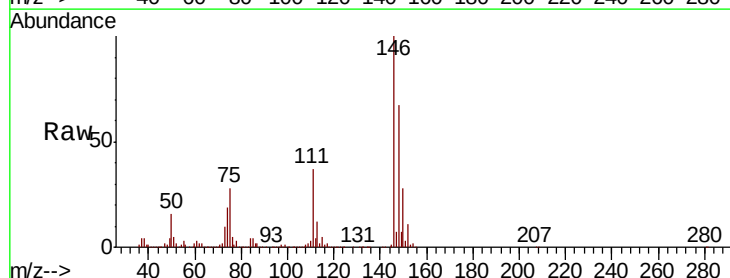
RT: 12.09 min Scan# 1838

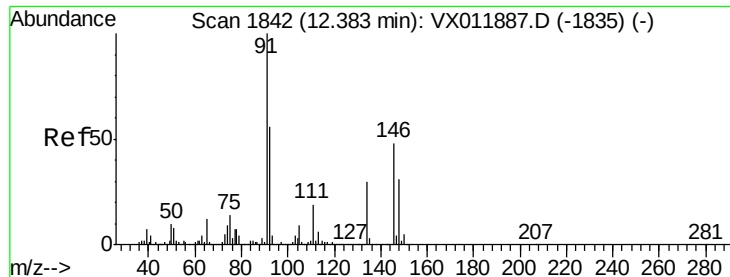
Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	146	Resp:	176556
Ion Ratio	Lower	Upper	
146	100		
111	37.8	17.9	53.7
148	67.1	32.4	97.0





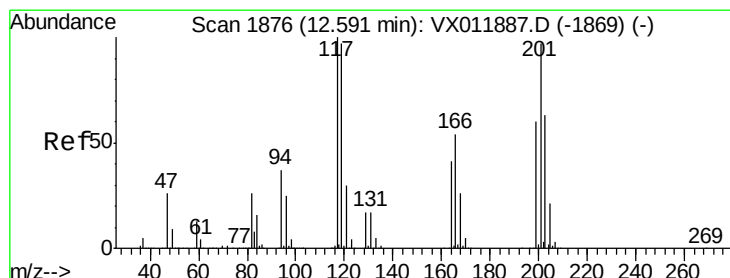
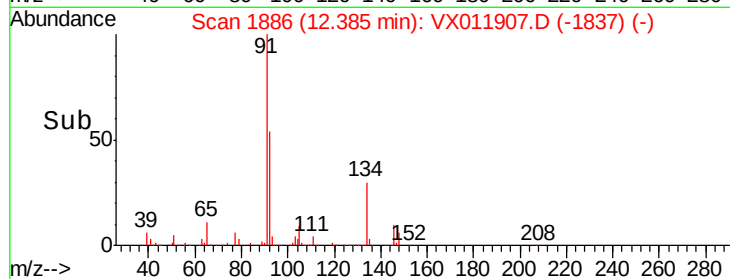
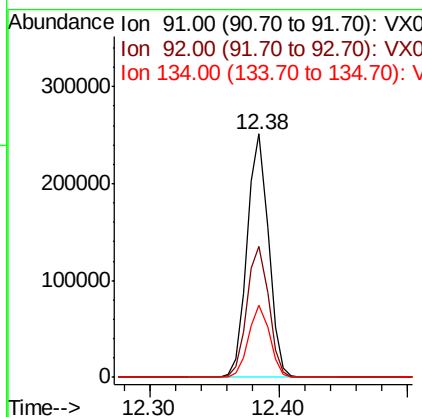
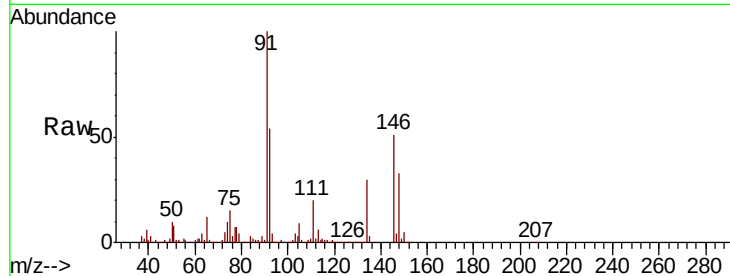
#89
n-Butylbenzene
Concen: 20.511 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.8
134	29.4	14.8	44.3

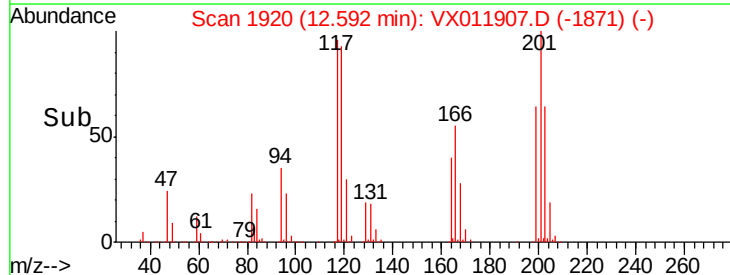
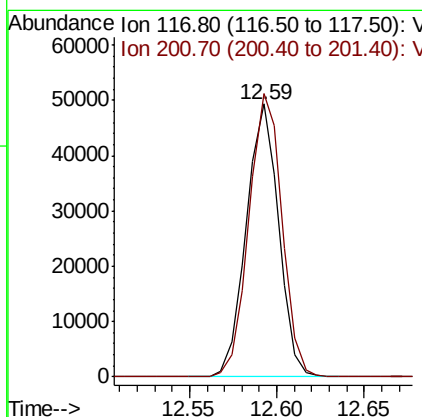
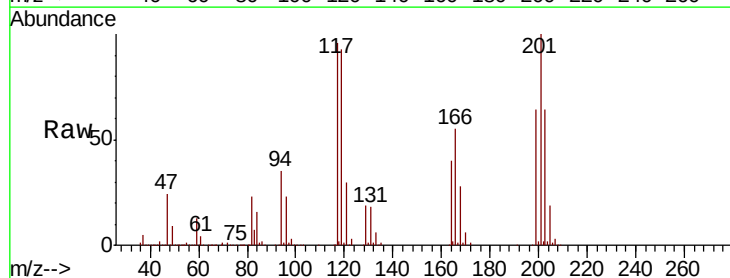
Manual Integrations
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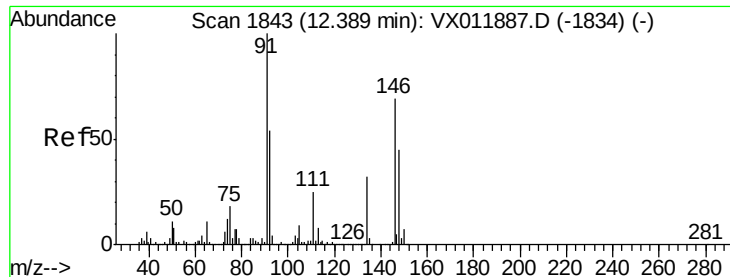
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#90
Hexachloroethane
Concen: 20.870 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011907.D
Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.3	52.8	158.5





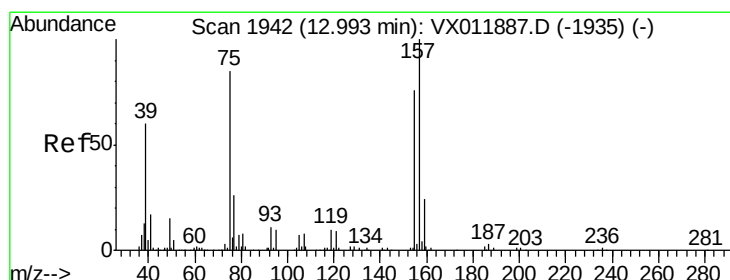
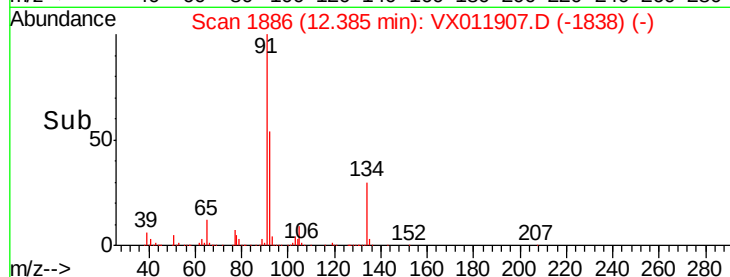
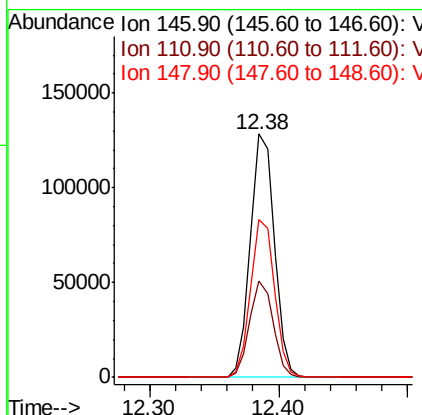
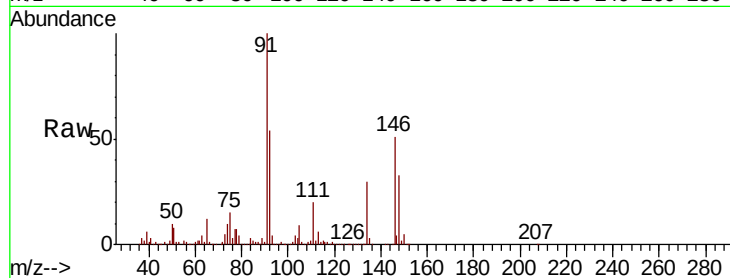
#91
 1,2-Dichlorobenzene
 Concen: 20.506 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164279		
111	39.1	18.9	56.5	
148	64.8	32.1	96.3	

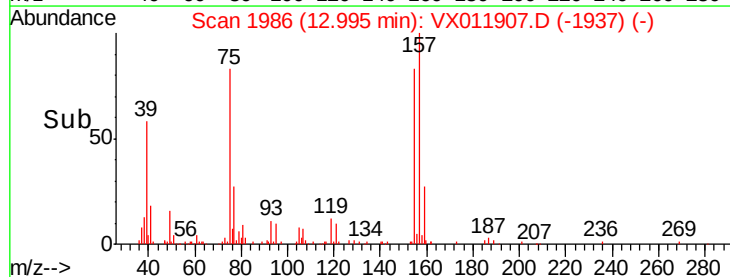
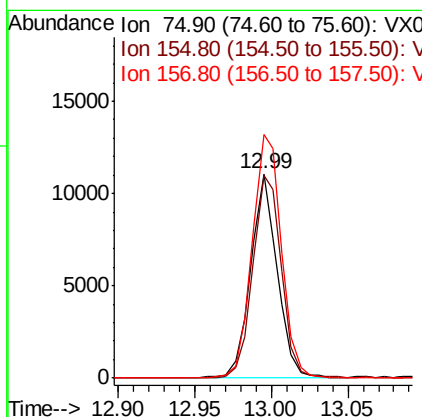
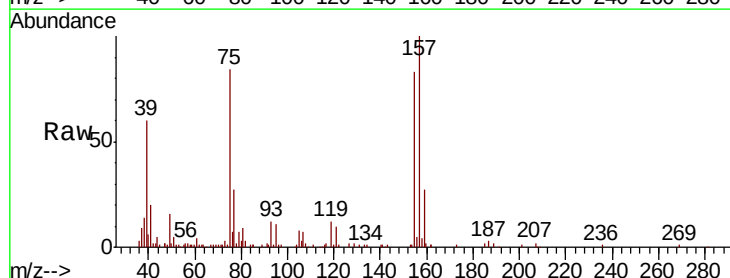
Manual Integrations
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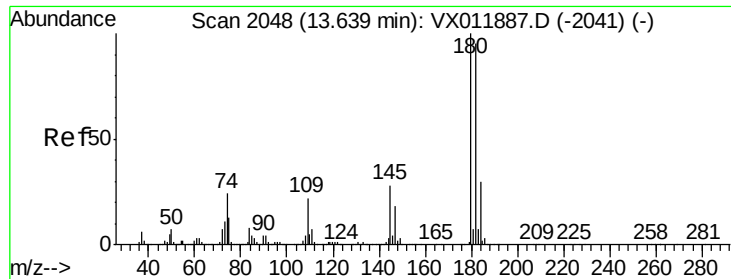
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.421 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13309		
155	107.0	50.1	150.4	
157	131.2	63.9	191.7	





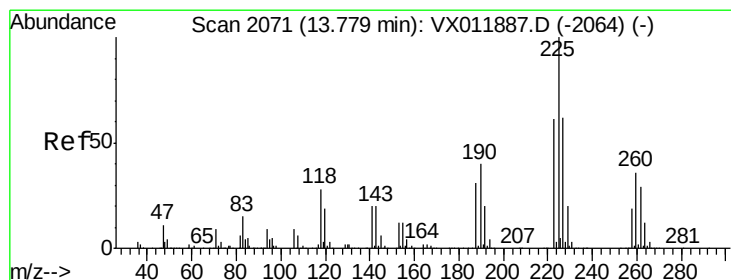
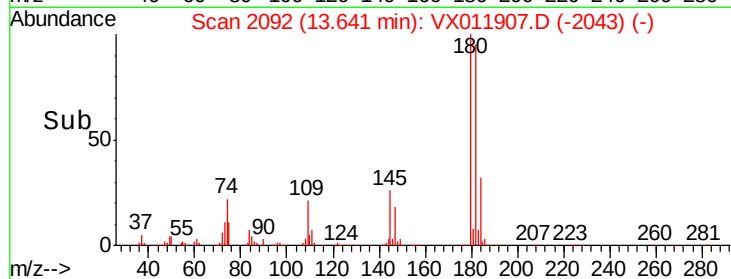
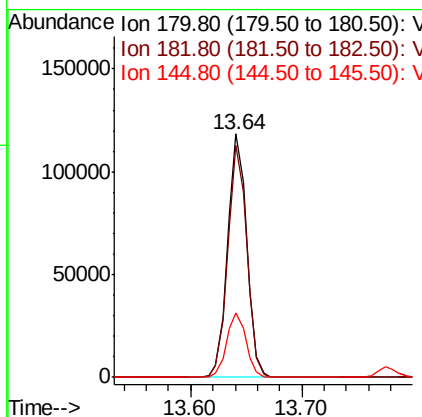
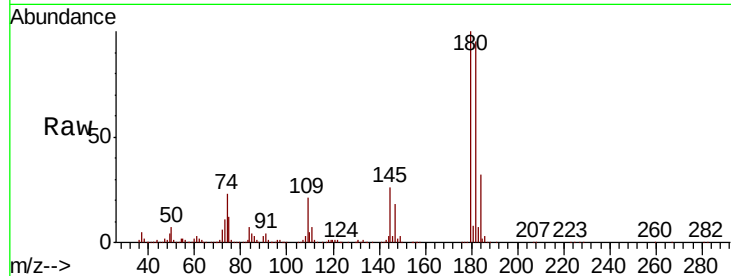
#93
 1,2,4-Trichlorobenzene
 Concen: 20.823 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140469		
182	95.0	48.1	144.4	
145	26.6	13.8	41.3	

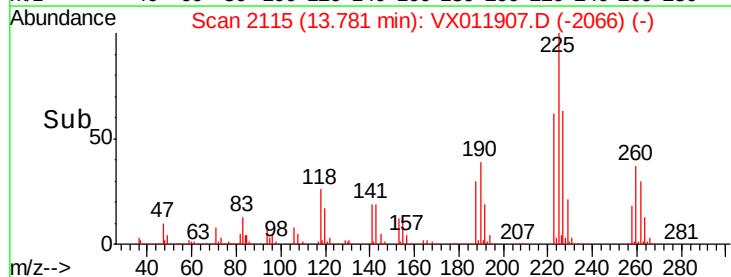
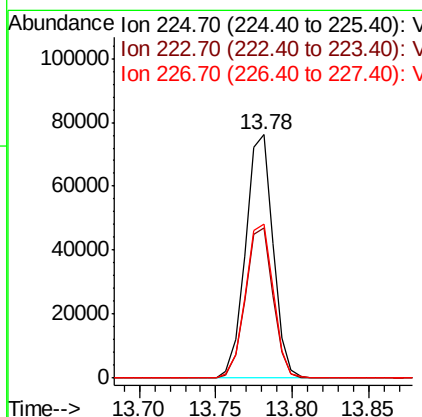
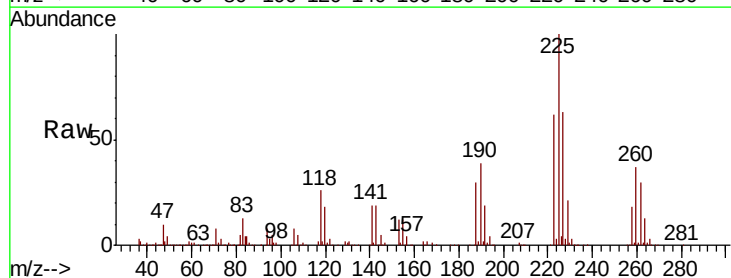
Manual Integrations
 APPROVED

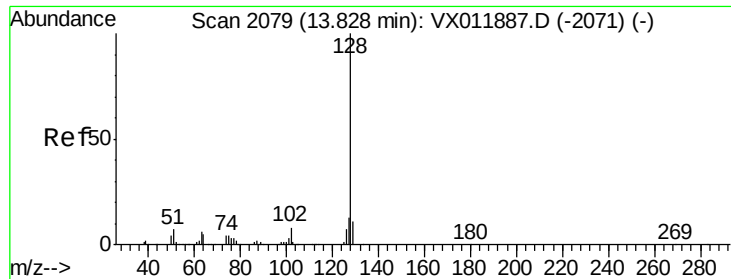
MMDadoda
 9/3/2019 2:41:07 AM



#94
 Hexachlorobutadiene
 Concen: 21.031 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011907.D
 Acq: 30 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94744		
223	62.1	30.8	92.3	
227	64.4	31.9	95.7	





#95

Naphthalene

Concen: 20.637 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Instrument :

MSVOA_X

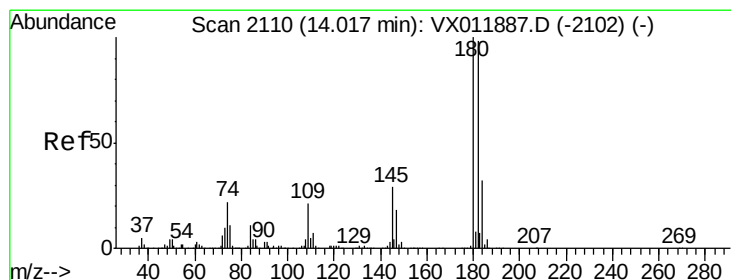
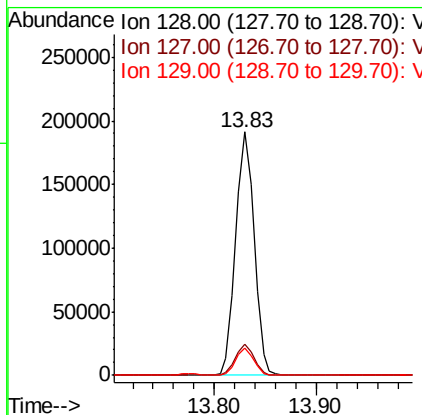
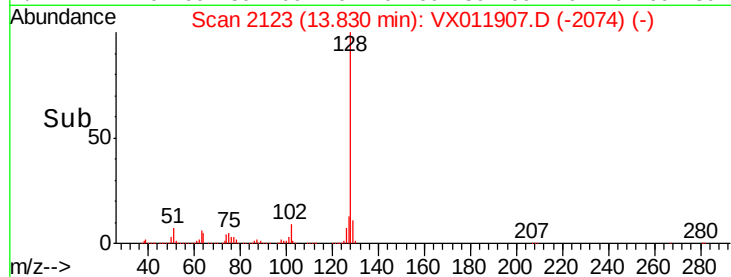
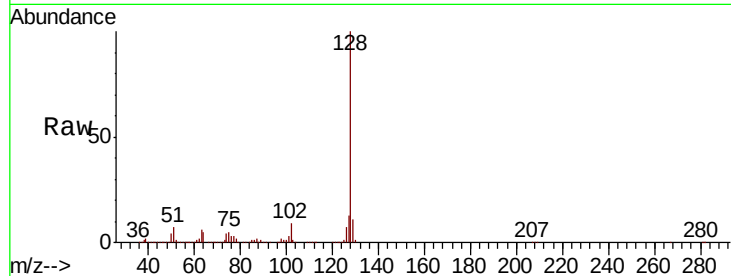
ClientSampleId :

VX0830SBS01

Tot Ion:	128	Resp:	238923
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.394 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011907.D

Acq: 30 Aug 2019 14:07

Tgt Ion:	180	Resp:	124405
Ion Ratio		Lower	Upper
180	100		
182	98.4	48.3	144.8
145	29.7	14.6	43.8

