

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011922.D
 Acq On : 30 Aug 2019 23:04
 Operator : SY/SP
 Sample : VX0830SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:11 AM

Quant Time: Aug 31 03:14:20 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	5.64	168	317681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	457749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	436638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	259464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	163338	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	5.48	113	151523	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	8.71	98	542847	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.14	95	226104	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	39781	20.748	ug/l 99
3) Chloromethane	1.31	50	45126	20.302	ug/l 100
4) Vinyl Chloride	1.39	62	42111	19.841	ug/l 98
5) Bromomethane	1.62	94	31199	21.245	ug/l 97
6) Chloroethane	1.70	64	27097	20.513	ug/l 94
7) Trichlorofluoromethane	1.91	101	72156	19.575	ug/l 100
8) Diethyl Ether	2.17	74	26160	20.651	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	46031	19.161	ug/l 99
10) Methyl Iodide	2.50	142	40439	17.960	ug/l 99
11) Tert butyl alcohol	3.03	59	32451	110.821	ug/l 98
12) 1,1-Dichloroethene	2.36	96	43562	19.524	ug/l 96
13) Acrolein	2.28	56	14739	101.129	ug/l 99
14) Allyl chloride	2.71	41	85040	20.318	ug/l 100
15) Acrylonitrile	3.12	53	73561	105.718	ug/l 99
16) Acetone	2.43	43	62933	96.099	ug/l 99
17) Carbon Disulfide	2.55	76	116971	18.277	ug/l 100
18) Methyl Acetate	2.76	43	41945	23.138	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	152779	21.136	ug/l 99
20) Methylene Chloride	2.84	84	60927	18.733	ug/l 98
21) trans-1,2-Dichloroethene	3.15	96	52850	20.108	ug/l 96
22) Diisopropyl ether	3.84	45	179486	21.006	ug/l 97
23) Vinyl Acetate	3.80	43	558262	101.623	ug/l 100
24) 1,1-Dichloroethane	3.68	63	97984	20.795	ug/l 99
25) 2-Butanone	4.65	43	96755	101.441	ug/l 97
26) 2,2-Dichloropropane	4.56	77	77702	19.662	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	65877	21.279	ug/l 98
28) Bromochloromethane	4.99	49	43427	20.540	ug/l 97
29) Tetrahydrofuran	5.11	42	62813	105.510	ug/l 99
30) Chloroform	5.19	83	107640	21.365	ug/l 100
31) Cyclohexane	5.56	56	71661	18.856	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	92699	20.714	ug/l 99
36) 1,1-Dichloropropene	5.78	75	69058	19.043	ug/l 100
37) Ethyl Acetate	4.81	43	42455	19.777	ug/l 100
38) Carbon Tetrachloride	5.77	117	81712	19.428	ug/l 98

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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)
39) Methylcyclohexane	7.45	83	79238	18.344	ug/l	97
40) Benzene	6.13	78	217684	20.110	ug/l	100
41) Methacrylonitrile	5.02	41	25535	20.203	ug/l	99
42) 1,2-Dichloroethane	6.18	62	77189	20.968	ug/l	100
43) Isopropyl Acetate	6.43	43	87091	20.011	ug/l	98
44) Trichloroethene	7.20	130	65931	19.685	ug/l	98
45) 1,2-Dichloropropane	7.50	63	57494	20.305	ug/l	99
46) Dibromomethane	7.65	93	34632	20.609	ug/l	99
47) Bromodichloromethane	7.89	83	84795	20.349	ug/l	99
48) Methyl methacrylate	7.76	41	42267	19.960	ug/l	100
49) 1,4-Dioxane	7.73	88	13021	447.147	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	223693	101.174	ug/l	100
52) Toluene	8.78	92	144134	20.126	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	84507	19.798	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	95982	20.032	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50925	20.700	ug/l	99
56) Ethyl methacrylate	9.17	69	66972	19.615	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84072	20.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	168114	103.376	ug/l	99
59) 2-Hexanone	9.48	43	159540	101.583	ug/l	100
60) Dibromochloromethane	9.57	129	67302	20.369	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50224	20.591	ug/l	98
64) Tetrachloroethene	9.33	164	71433	20.338	ug/l	98
65) Chlorobenzene	10.14	112	171383	20.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	69766	20.389	ug/l	99
67) Ethyl Benzene	10.25	91	286550	19.909	ug/l	99
68) m/p-Xylenes	10.36	106	224001	40.305	ug/l	99
69) o-Xylene	10.70	106	110935	20.484	ug/l	98
70) Styrene	10.71	104	194120	20.336	ug/l	99
71) Bromoform	10.85	173	49657	20.524	ug/l	99
73) Isopropylbenzene	11.01	105	288020	19.320	ug/l	100
74) N-amyl acetate	10.89	43	85458	19.316	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	60569	19.852	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53055m	20.787	ug/l	
77) Bromobenzene	11.25	156	86801	20.075	ug/l	100
78) n-propylbenzene	11.35	91	334784	19.803	ug/l	99
79) 2-Chlorotoluene	11.42	91	204305	20.078	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	255905	19.887	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19179	18.877	ug/l	98
82) 4-Chlorotoluene	11.51	91	246125	20.049	ug/l	100
83) tert-Butylbenzene	11.76	119	260462	19.948	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	265347	20.121	ug/l	99
85) sec-Butylbenzene	11.94	105	298321	19.670	ug/l	100
86) p-Isopropyltoluene	12.06	119	288757	19.635	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	163265	20.317	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	165620	20.388	ug/l	99
89) n-Butylbenzene	12.39	91	252840	19.433	ug/l	100
90) Hexachloroethane	12.59	117	55169	19.391	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	150067	20.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12839	21.125	ug/l	99

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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	126985	20.186	ug/l	99
94) Hexachlorobutadiene	13.78	225	82140	19.552	ug/l	99
95) Naphthalene	13.83	128	219364	20.318	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117256	20.612	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:168 Resp: 317681

Ion Ratio Lower Upper

168 100

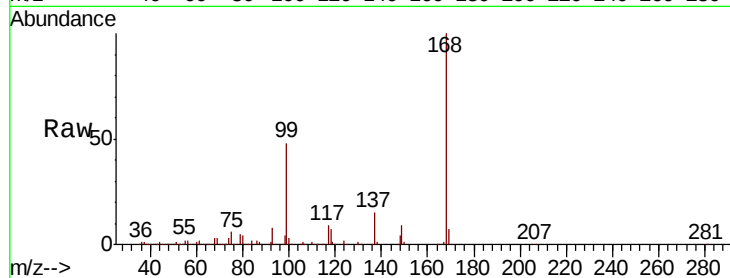
99 47.3 38.4 57.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

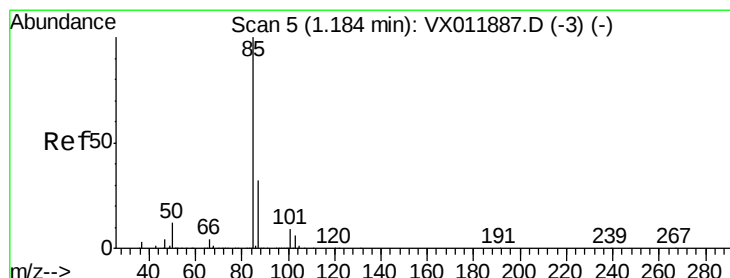
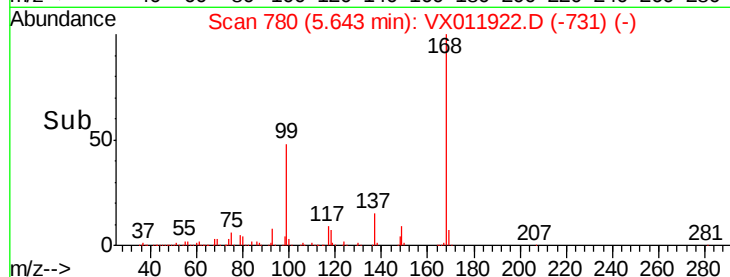
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.748 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011922.D

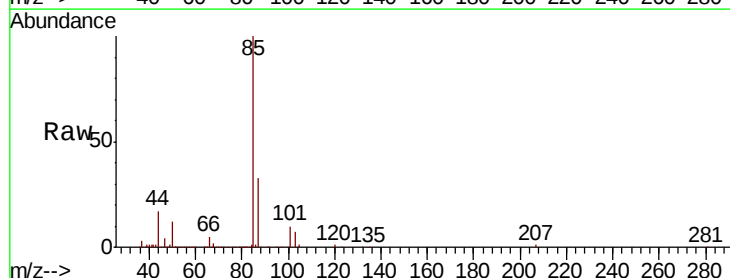
Acq: 30 Aug 2019 23:04

Tgt Ion: 85 Resp: 39781

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

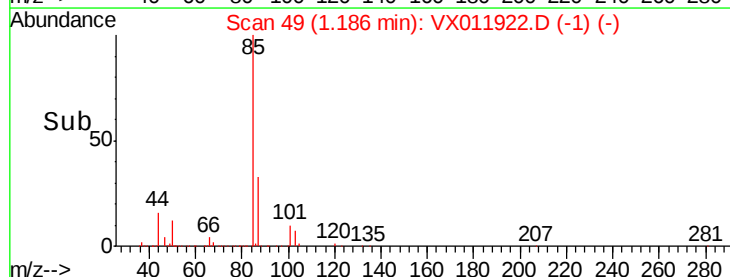
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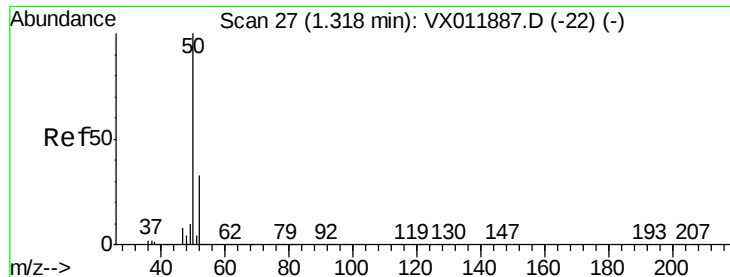
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0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.302 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 50 Resp: 45126

Ion Ratio Lower Upper

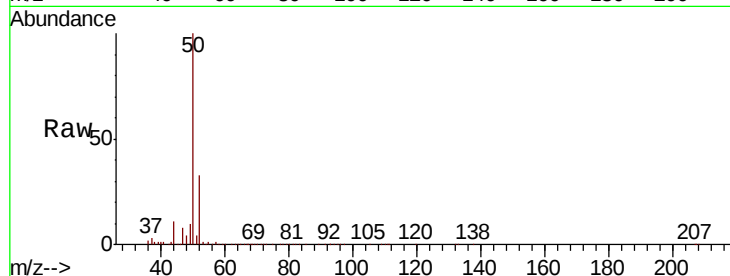
50 100

52 32.7 26.0 39.0

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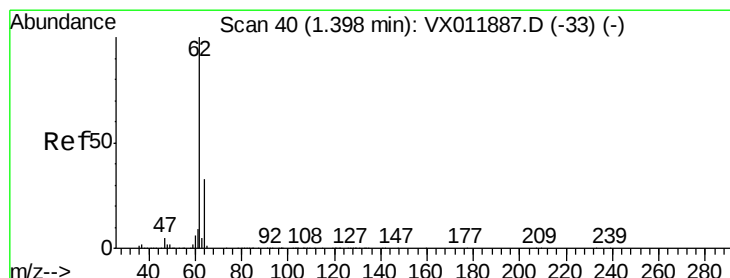
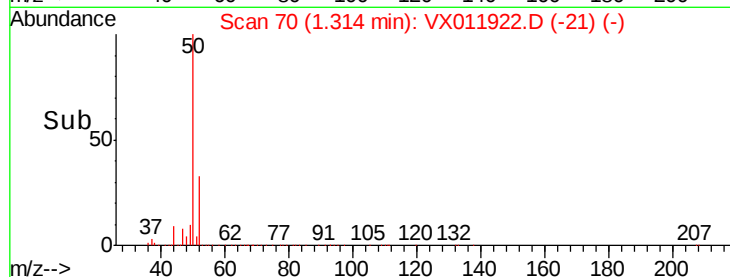
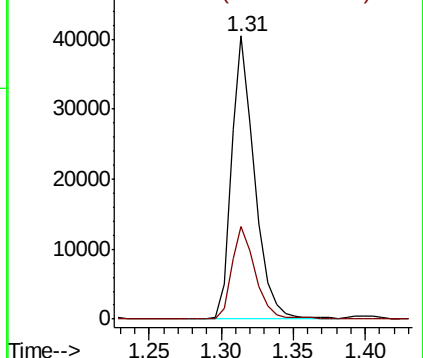
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.841 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011922.D

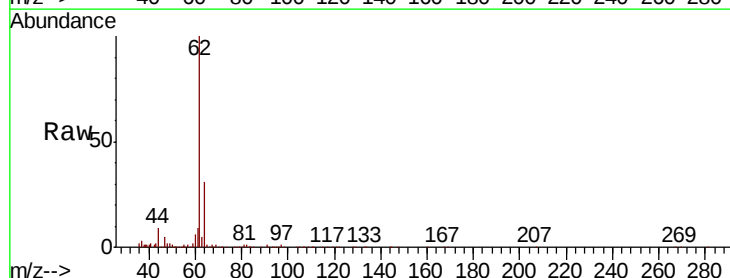
Acq: 30 Aug 2019 23:04

Tgt Ion: 62 Resp: 42111

Ion Ratio Lower Upper

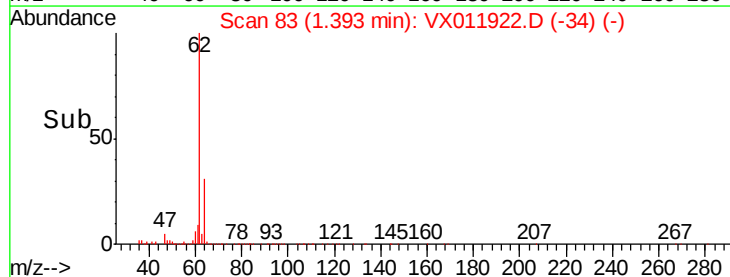
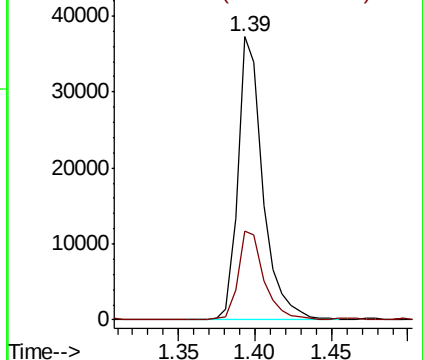
62 100

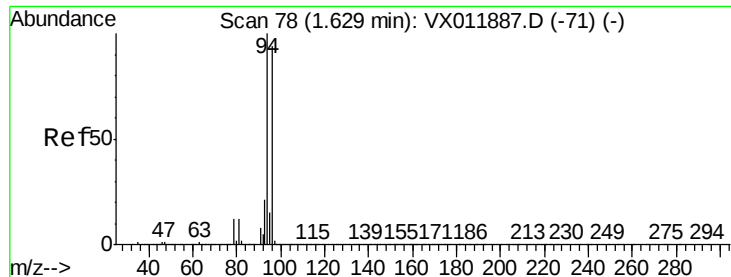
64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.245 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 94 Resp: 31199

Ion Ratio Lower Upper

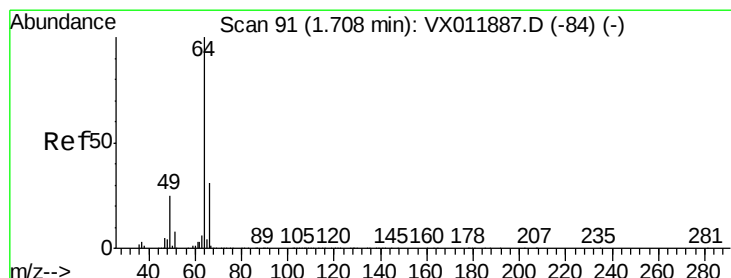
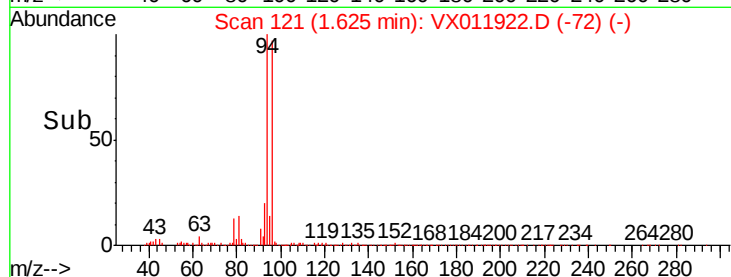
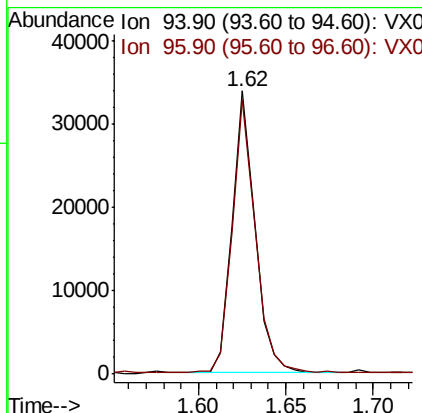
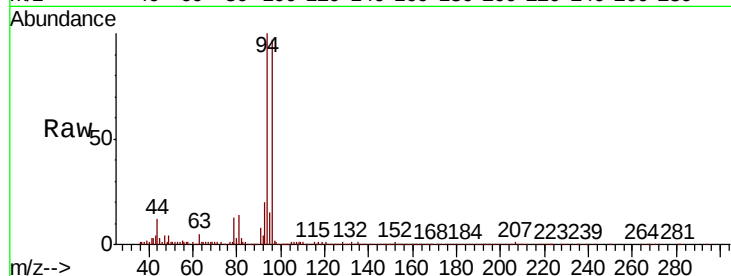
94 100

96 96.9 75.0 112.6

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#6

Chloroethane

Concen: 20.513 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011922.D

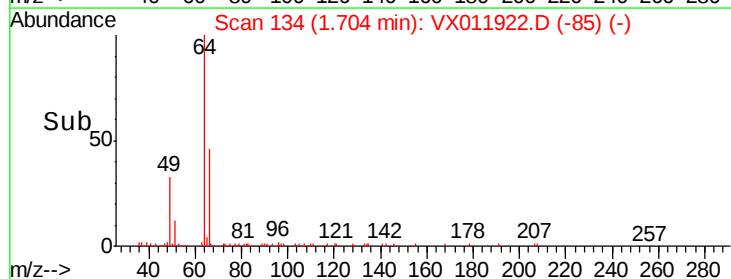
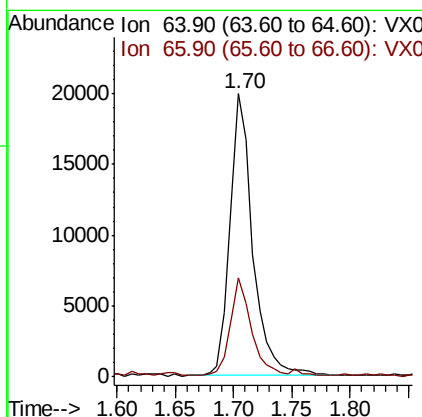
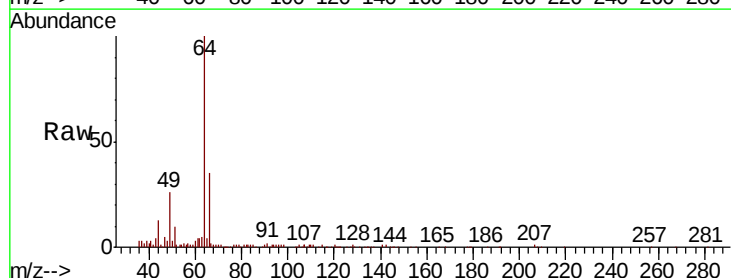
Acq: 30 Aug 2019 23:04

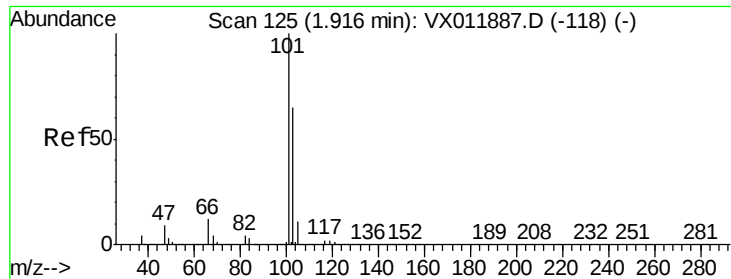
Tgt Ion: 64 Resp: 27097

Ion Ratio Lower Upper

64 100

66 34.3 25.0 37.4





#7

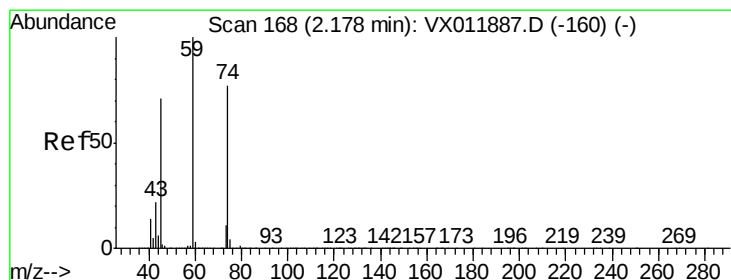
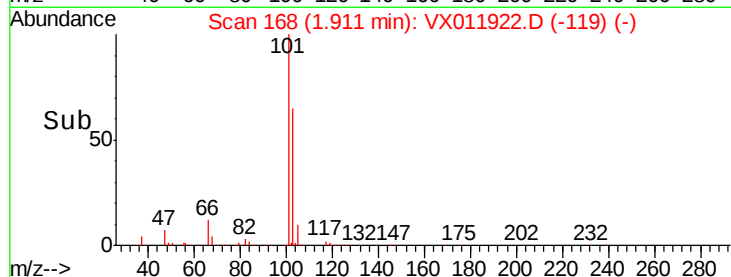
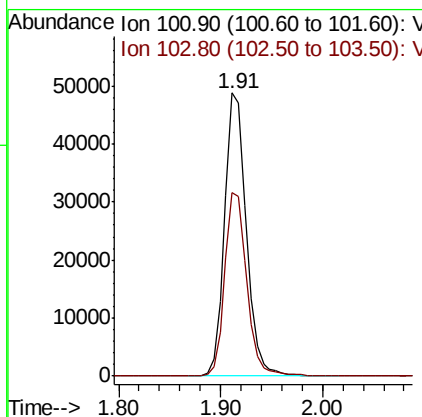
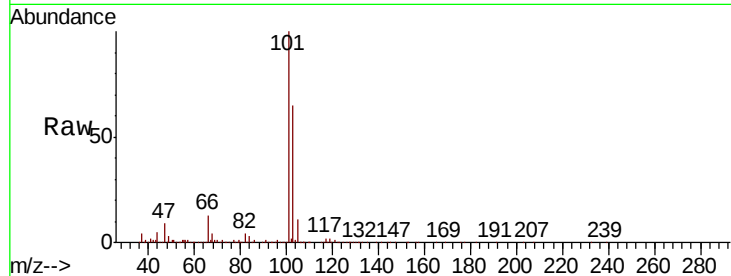
Trichlorofluoromethane
 Concen: 19.575 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
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 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

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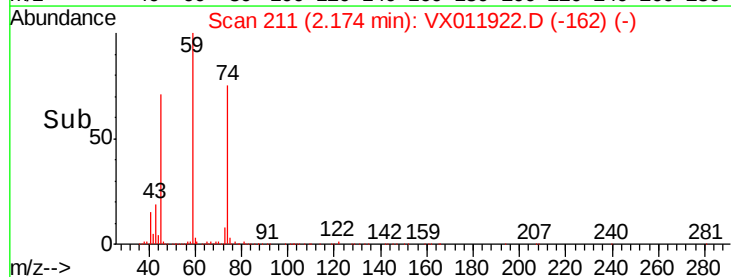
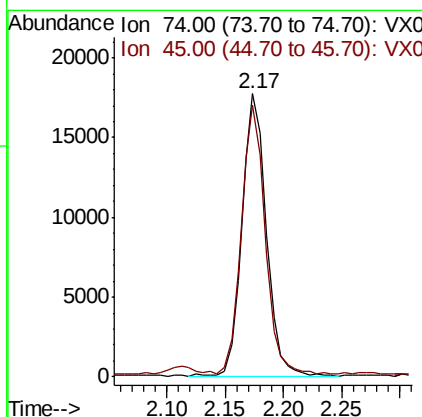
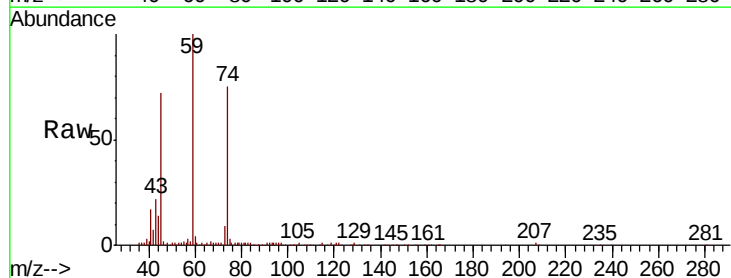
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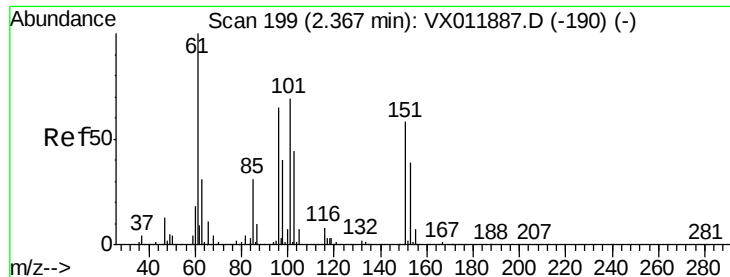


#8

Diethyl Ether
 Concen: 20.651 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.161 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

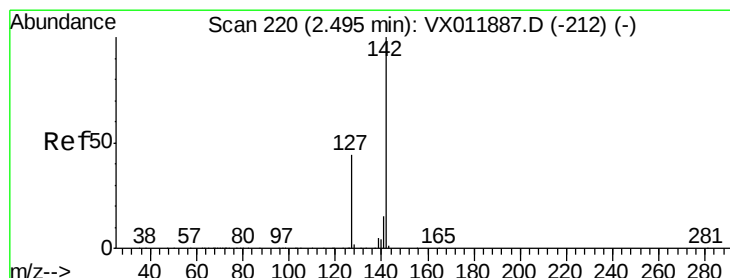
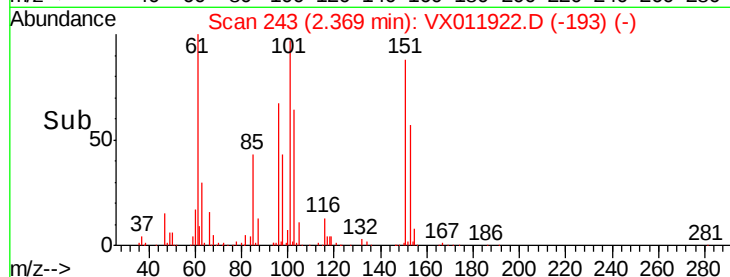
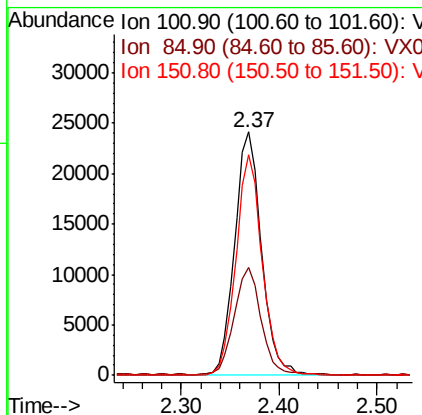
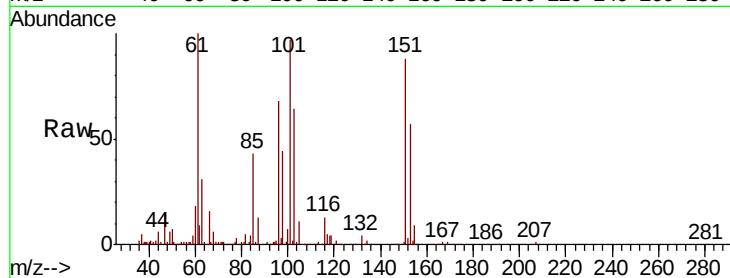
ClientSampleId :

VX0830SBS02

Tot Ion:	101	Resp:	46031
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.9	52.3
151	88.6	70.9	106.3

Manual Integrations
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9/3/2019 2:41:11 AM



#10

Methyl Iodide

Concen: 17.960 ug/l

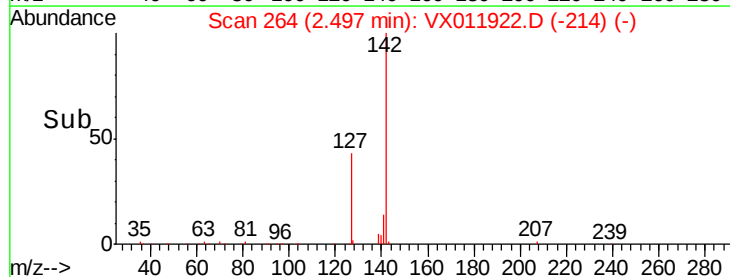
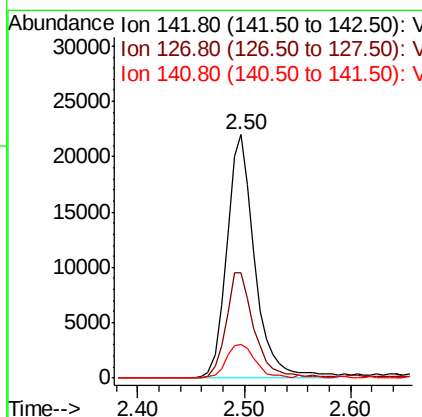
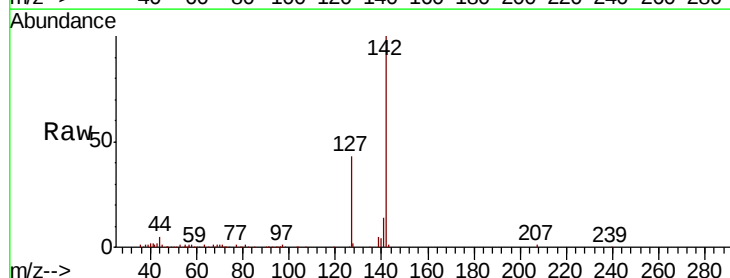
RT: 2.50 min Scan# 264

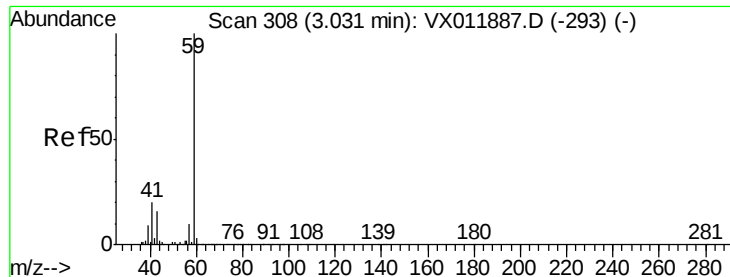
Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	142	Resp:	40439
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.7	53.5
141	14.8	11.8	17.6





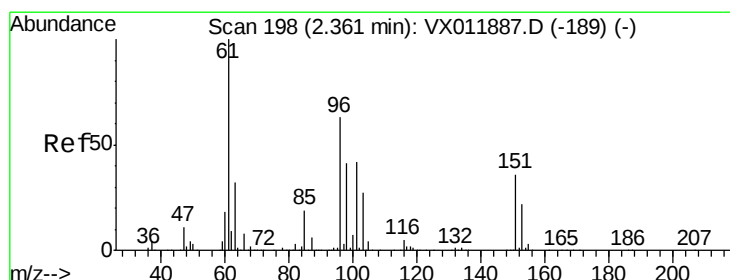
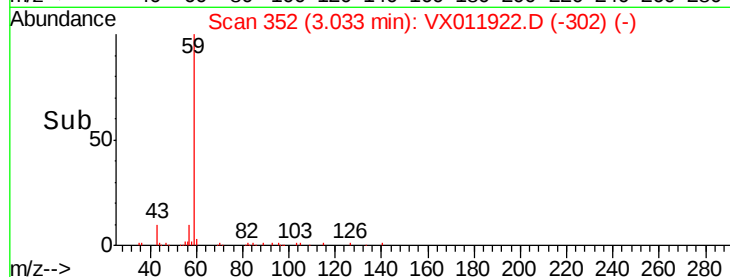
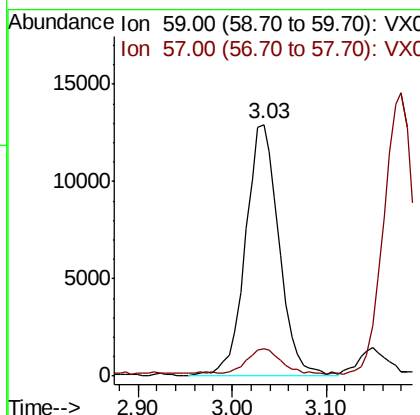
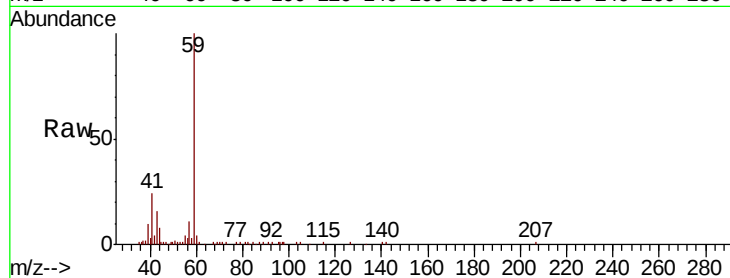
#11
Tert butyl alcohol
Concen: 110.821 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	59	Resp	32451
Ion Ratio	100	Lower	Upper
57	10.0	8.6	12.8

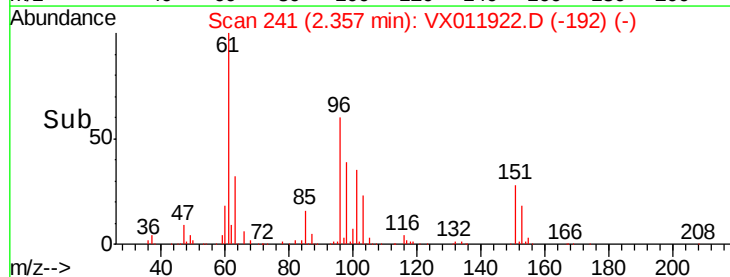
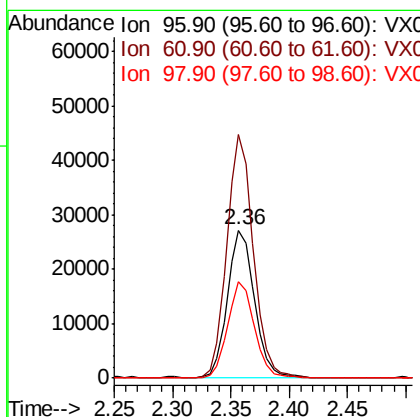
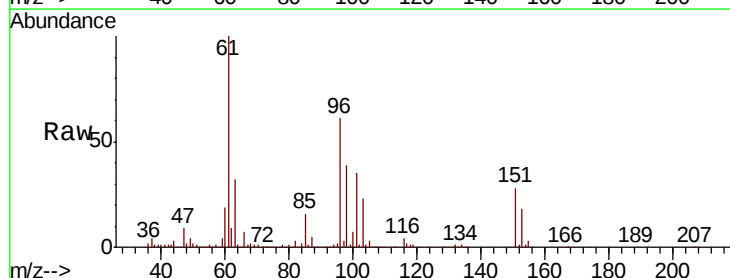
Manual Integrations
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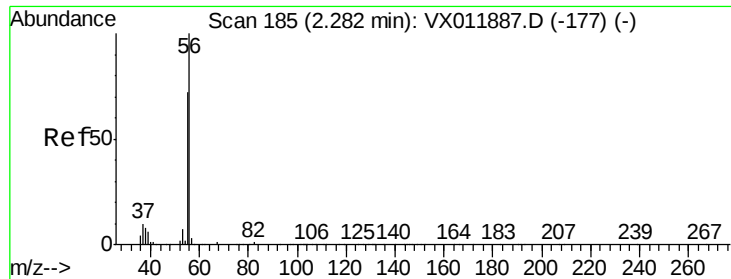
MMDadoda
9/3/2019 2:41:11 AM



#12
1,1-Dichloroethene
Concen: 19.524 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	96	Resp	43562
Ion Ratio	100	Lower	Upper
61	165.1	126.6	190.0
98	64.8	51.6	77.4





#13

Acrolein

Concen: 101.129 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 56 Resp: 14739

Ion Ratio Lower Upper

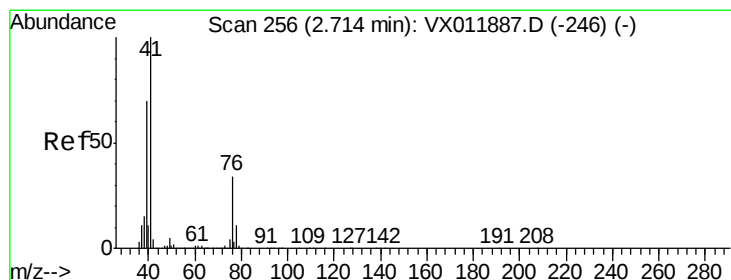
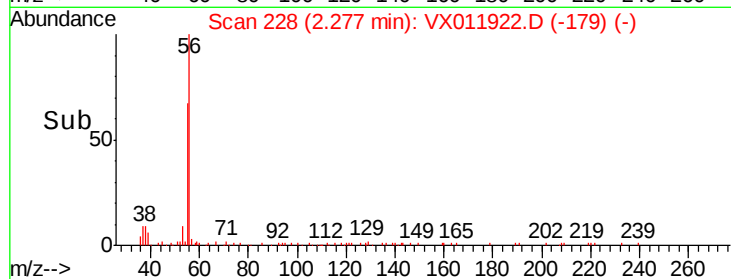
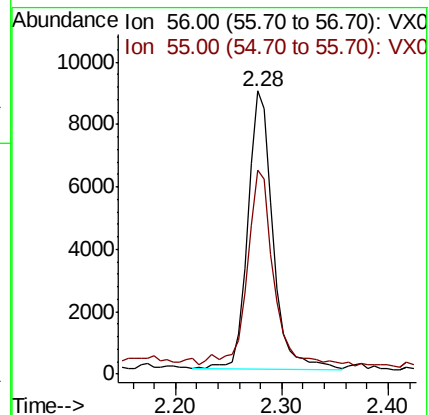
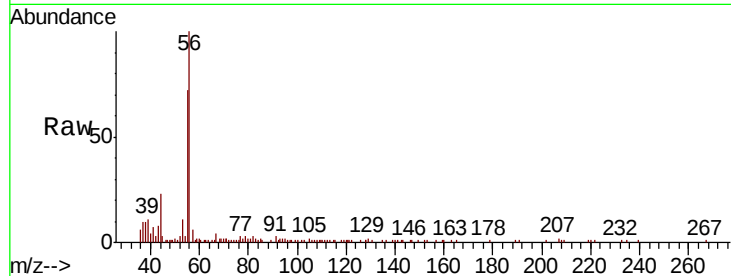
56 100

55 74.3 58.6 88.0

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#14

Allyl chloride

Concen: 20.318 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

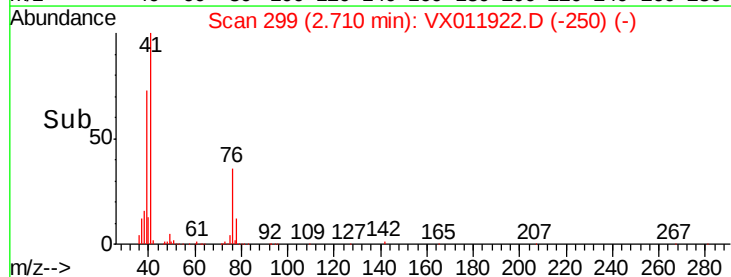
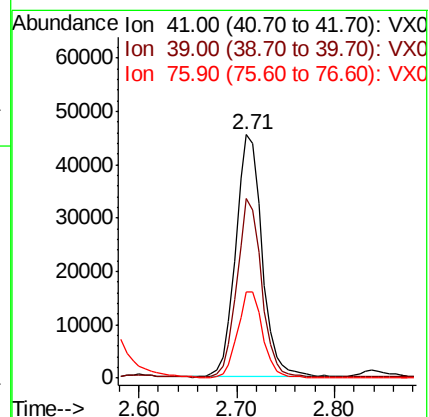
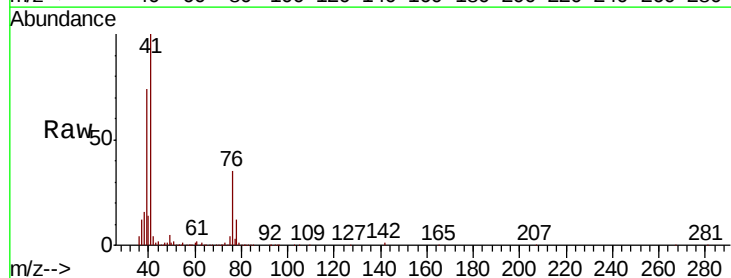
Tgt Ion: 41 Resp: 85040

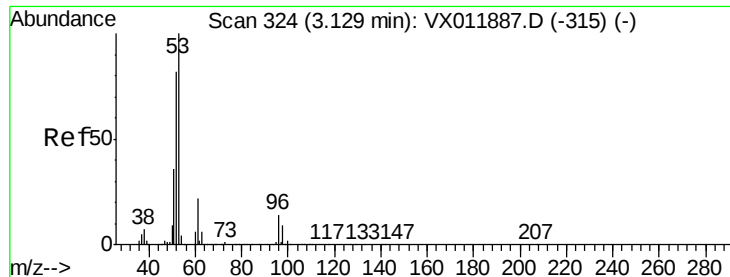
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.6

76 33.7 27.0 40.4





#15

Acrylonitrile

Concen: 105.718 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

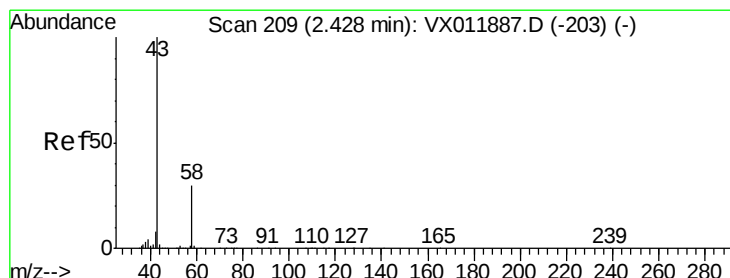
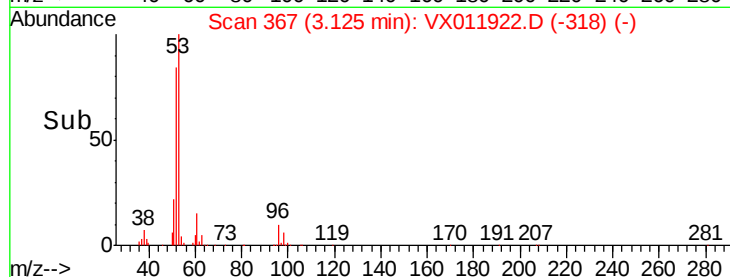
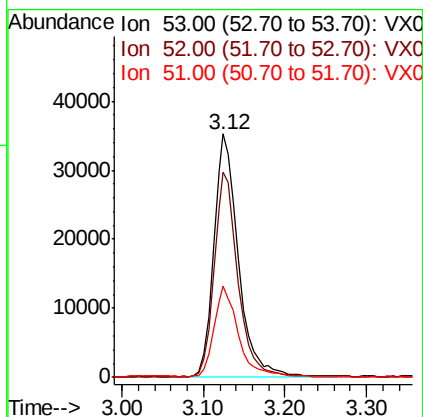
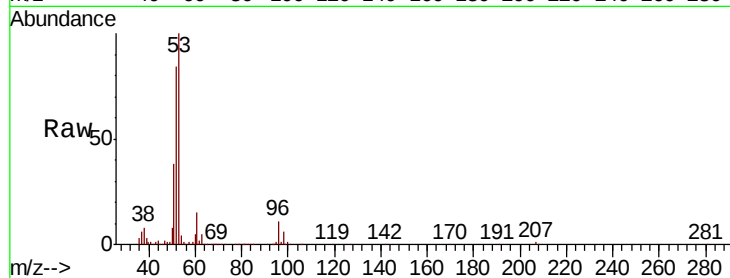
ClientSampleId :

VX0830SBS02

Tot Ion:	53	Resp:	73561
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	37.7	29.4	44.2

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#16

Acetone

Concen: 96.099 ug/l

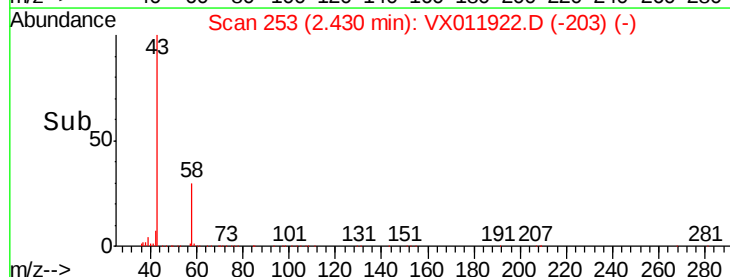
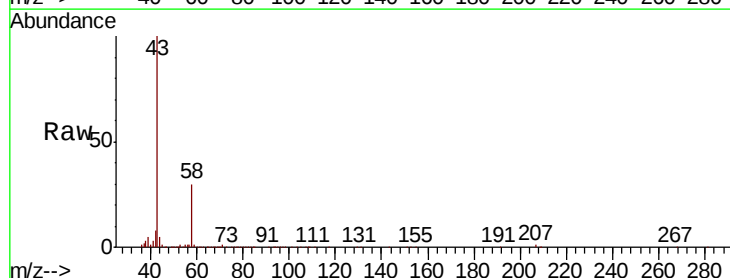
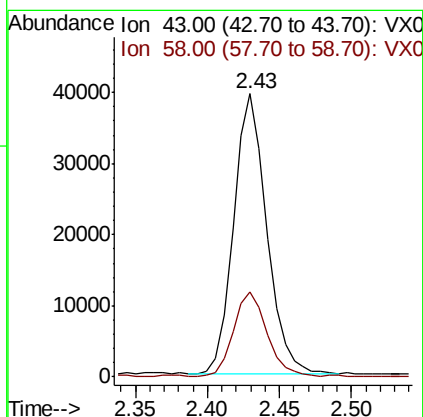
RT: 2.43 min Scan# 253

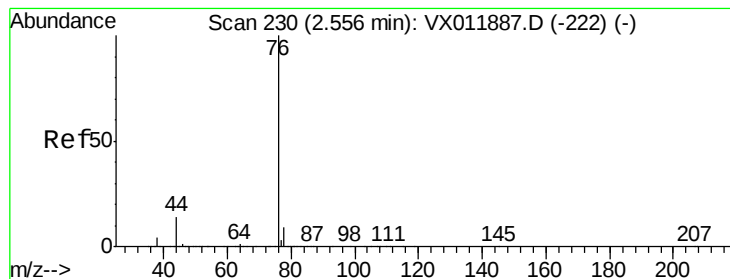
Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	43	Resp:	62933
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.8





#17

Carbon Disulfide

Concen: 18.277 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 76 Resp: 116971

Ion Ratio Lower Upper

76 100

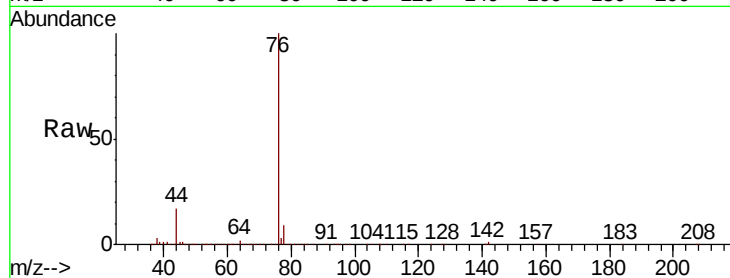
78 9.2

7.3 10.9

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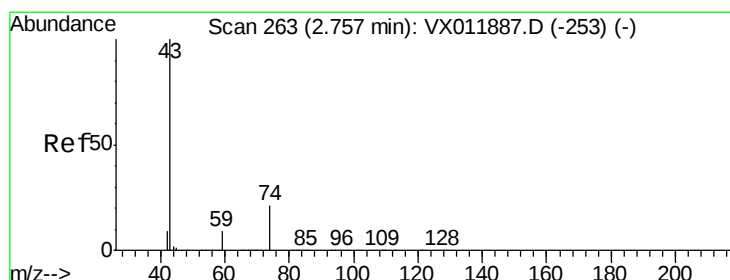
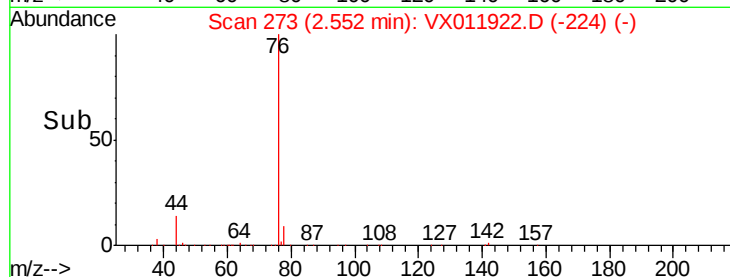
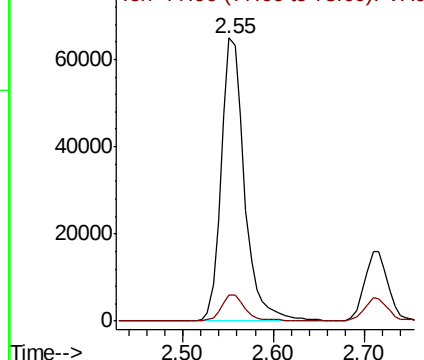
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.138 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

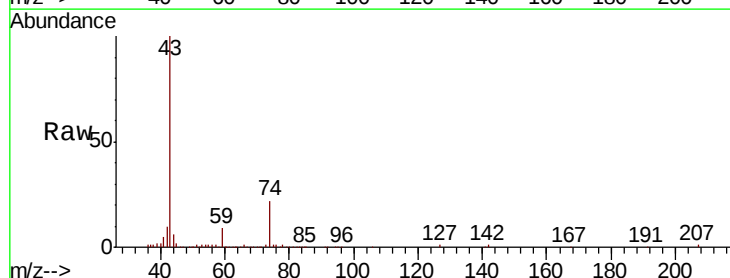
Tgt Ion: 43 Resp: 41945

Ion Ratio Lower Upper

43 100

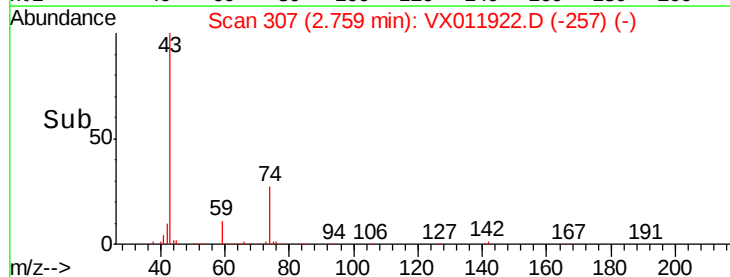
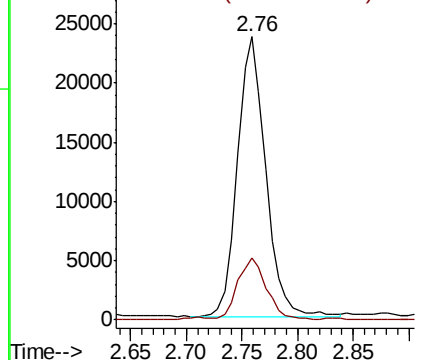
74 23.4

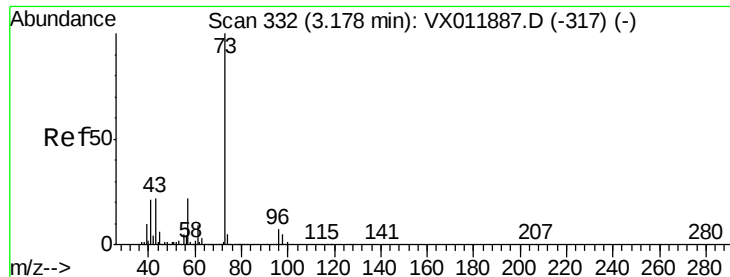
18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





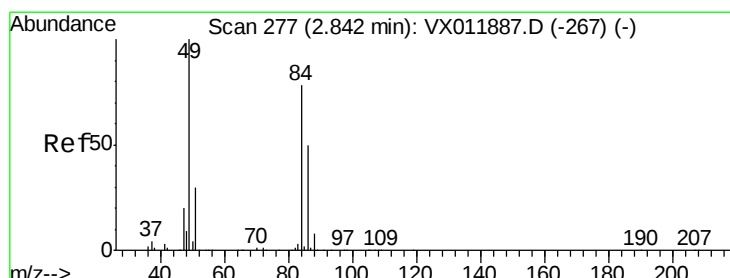
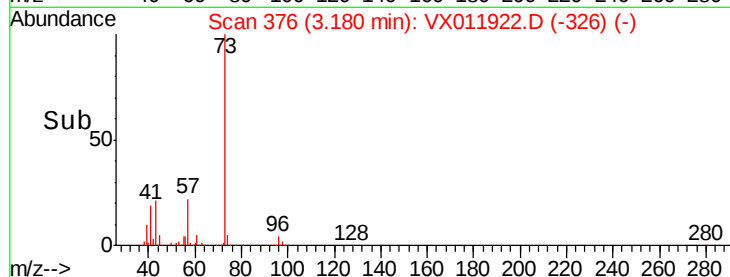
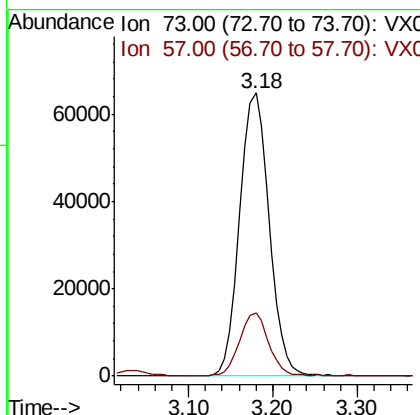
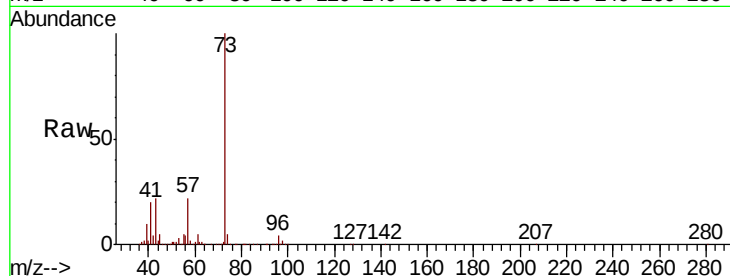
#19
Methyl tert-butyl Ether
Concen: 21.136 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.0

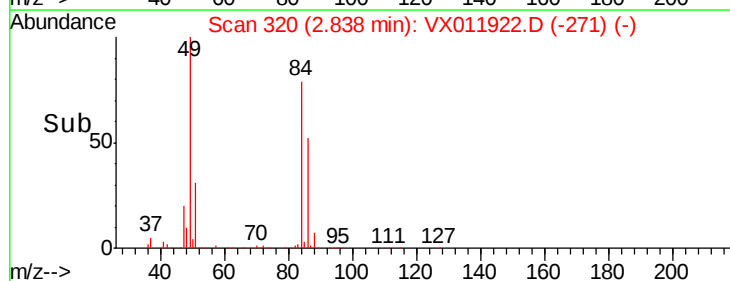
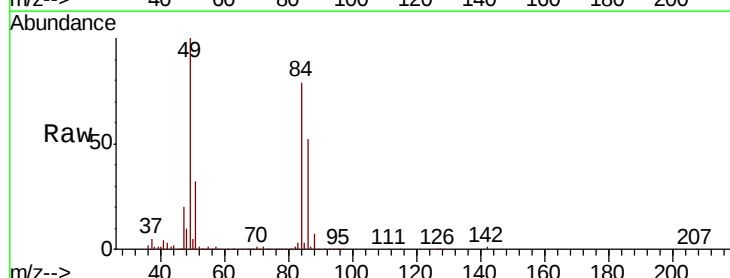
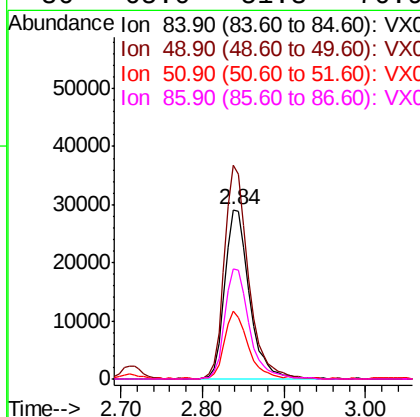
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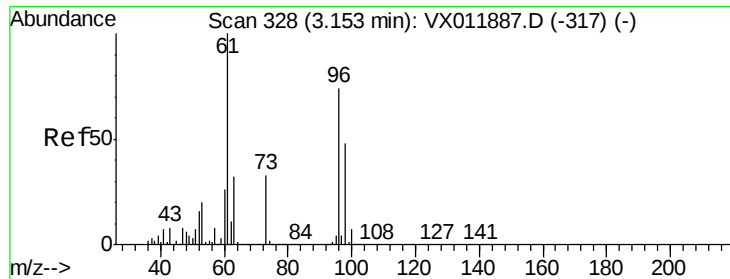
MMDadoda
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#20
Methylene Chloride
Concen: 18.733 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	103.0	154.4
51	39.5	30.8	46.2
86	65.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.108 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

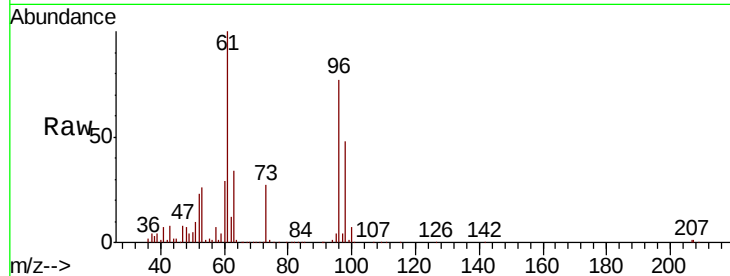
ClientSampleId :

VX0830SBS02

Tot Ion:	96	Resp:	52850
Ion	Ratio	Lower	Upper
96	100		
61	129.4	107.4	161.2
98	61.9	51.4	77.2

Manual Integrations
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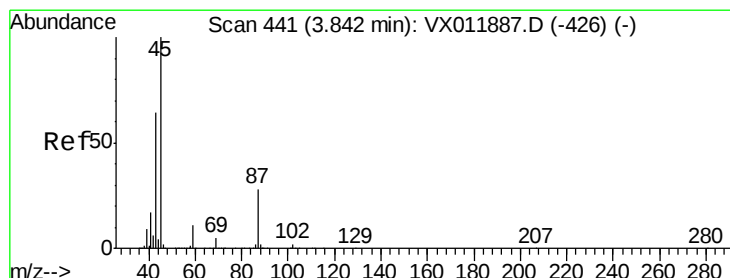
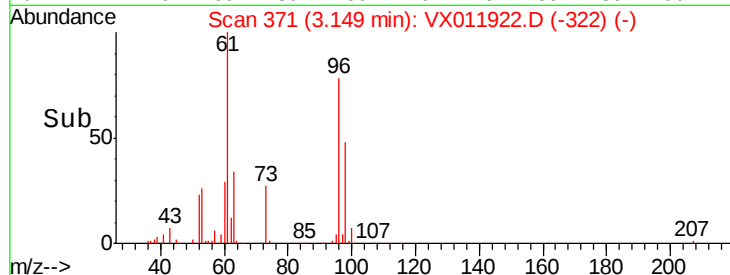
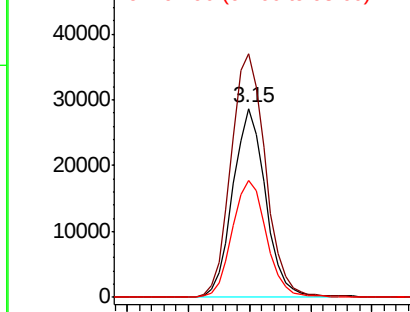


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.006 ug/l

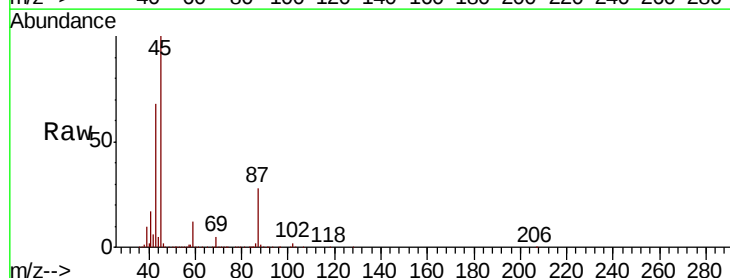
RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	45	Resp:	179486
Ion	Ratio	Lower	Upper
45	100		
43	67.3	51.0	76.6
87	28.2	22.0	33.0
59	11.8	9.1	13.7



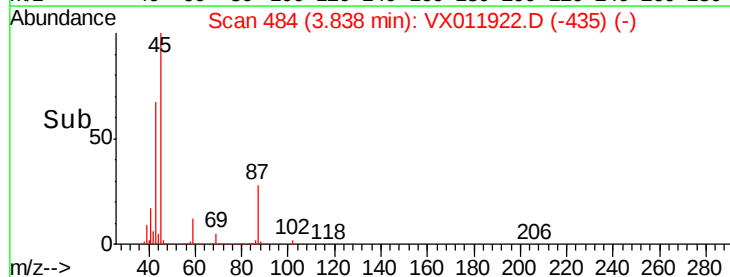
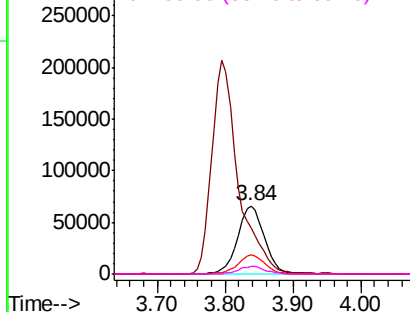
Abundance

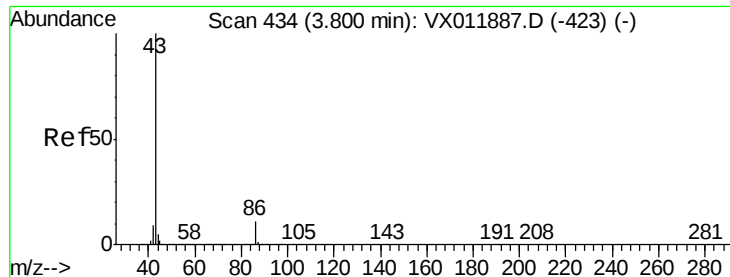
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.623 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 43 Resp: 558262

Ion Ratio Lower Upper

43 100

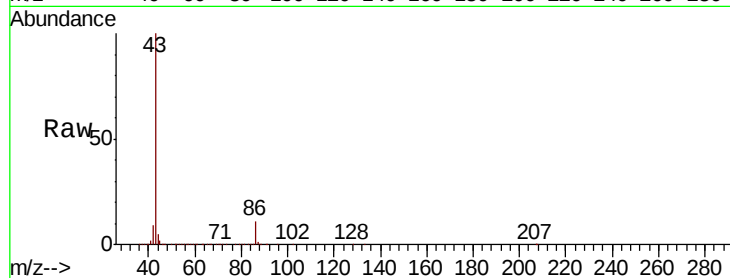
86 10.9 8.6 12.8

Manual Integrations

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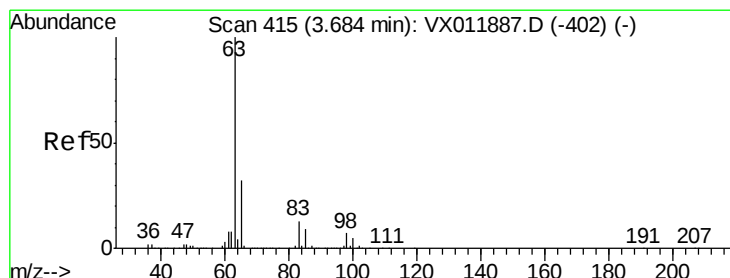
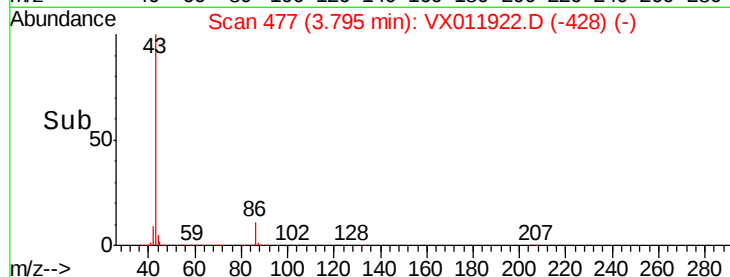
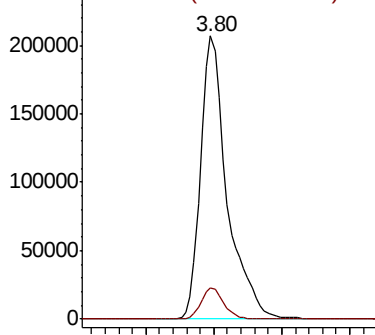
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.795 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

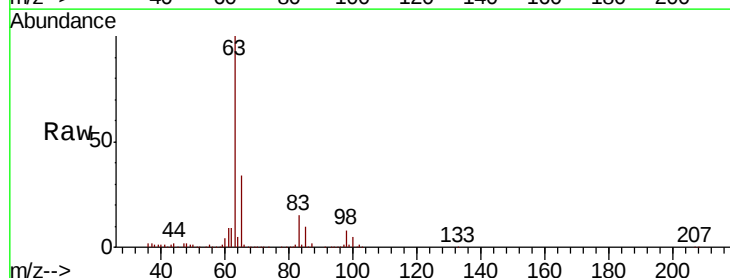
Tgt Ion: 63 Resp: 97984

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

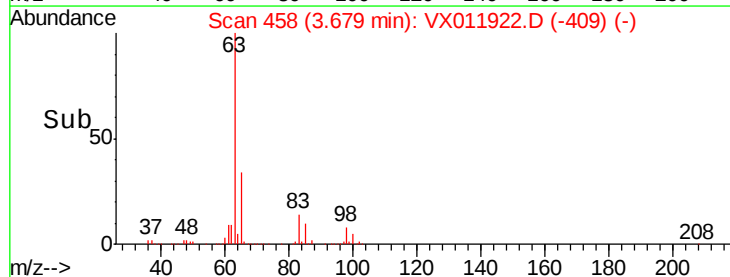
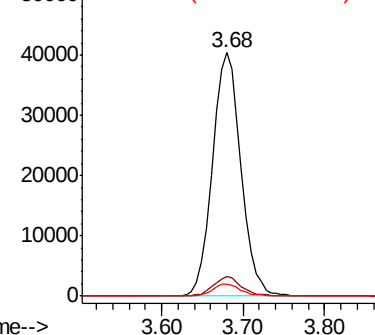
100 5.1 2.4 7.2

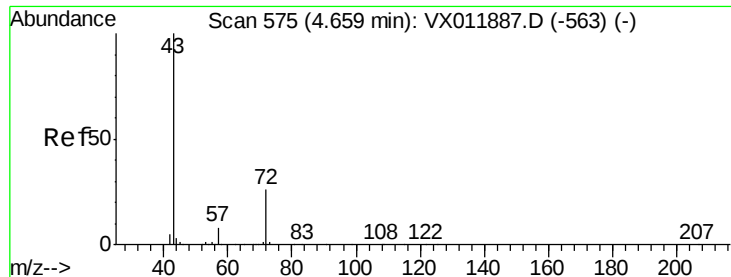


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.441 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 43 Resp: 96755

Ion Ratio Lower Upper

43 100

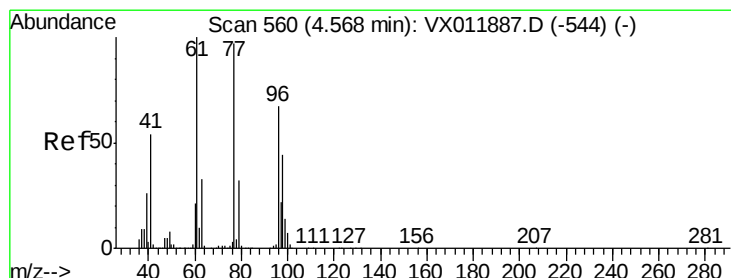
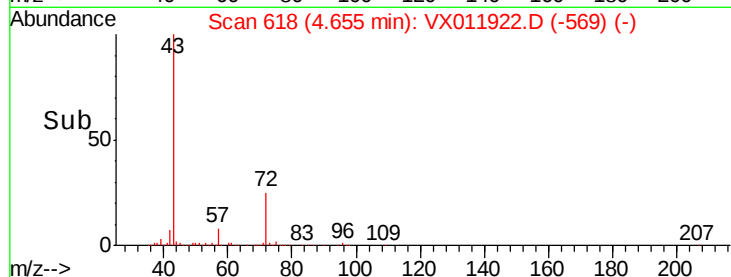
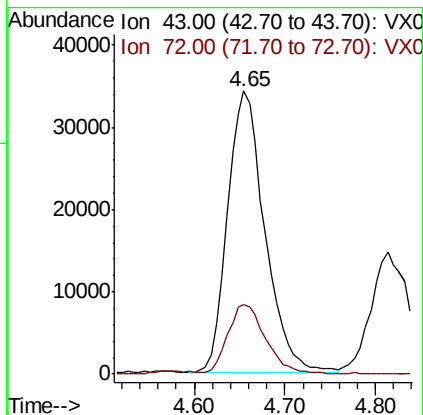
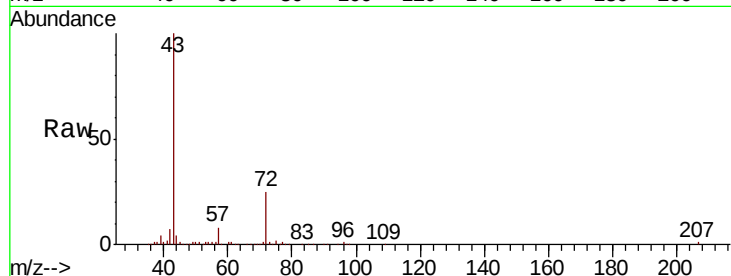
72 24.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.662 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011922.D

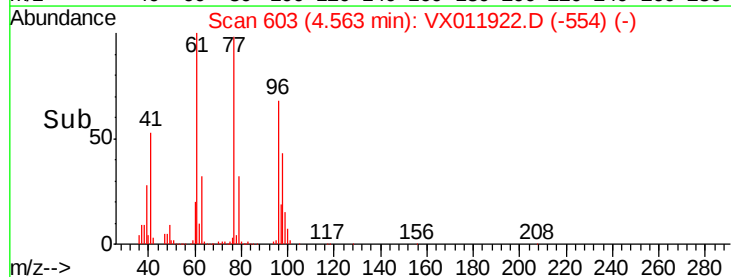
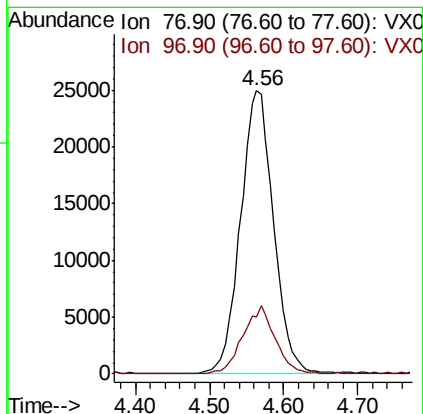
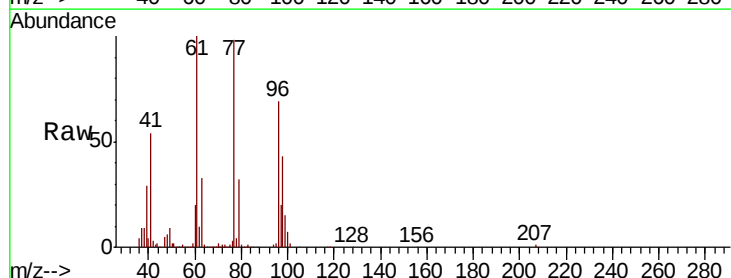
Acq: 30 Aug 2019 23:04

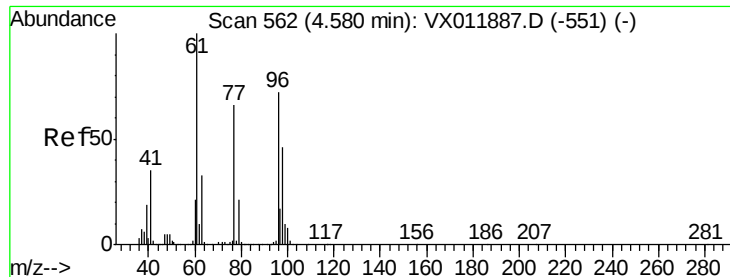
Tgt Ion: 77 Resp: 77702

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

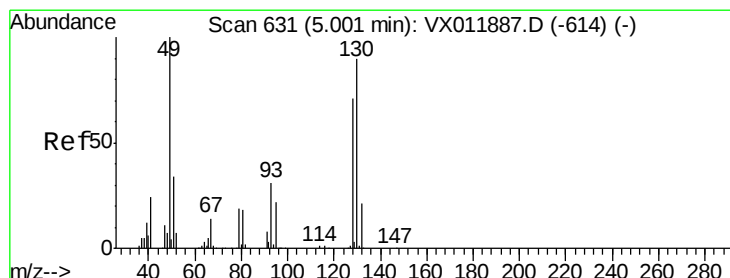
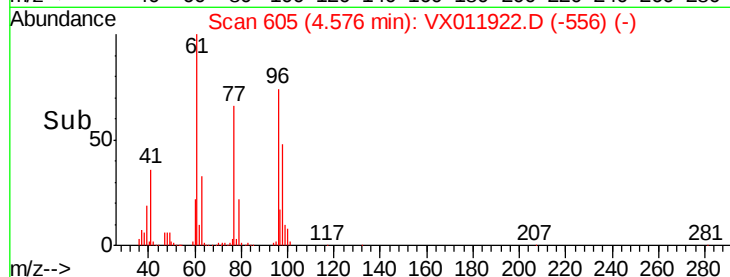
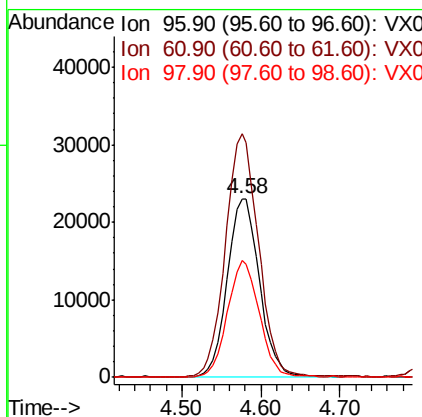
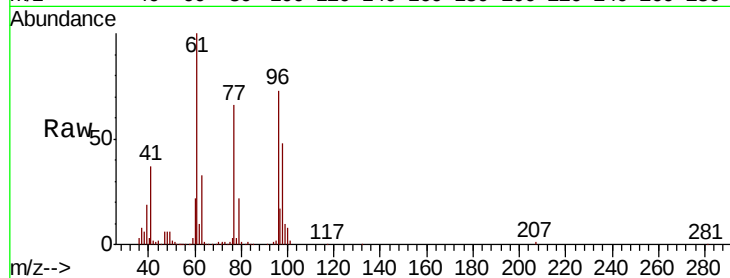
cis-1,2-Dichloroethene
Concen: 21.279 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65877		
61	139.8		0.0	283.8
98	64.4		0.0	131.2

Manual Integrations
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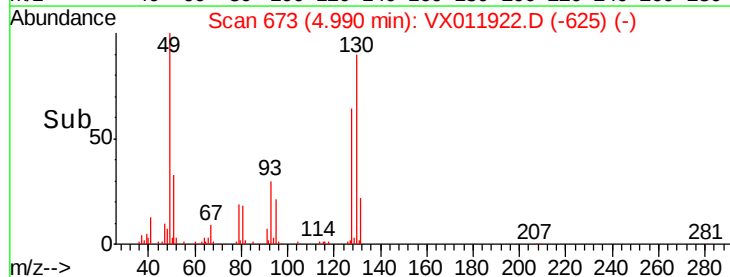
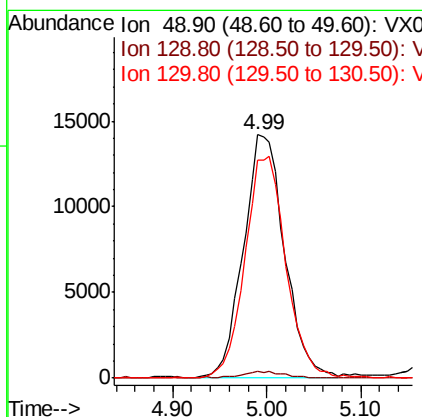
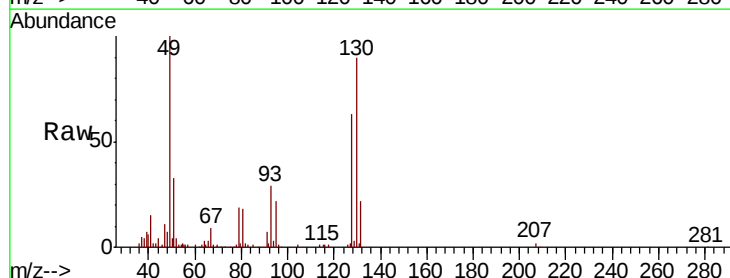
MMDadoda
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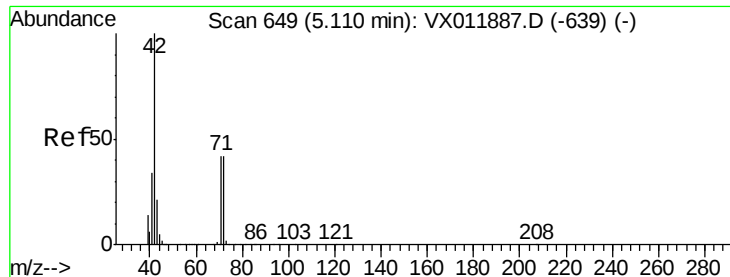


#28

Bromochloromethane
Concen: 20.540 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43427		
129	2.8		0.0	4.8
130	90.8		70.6	105.8





#29

Tetrahydrofuran

Concen: 105.510 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

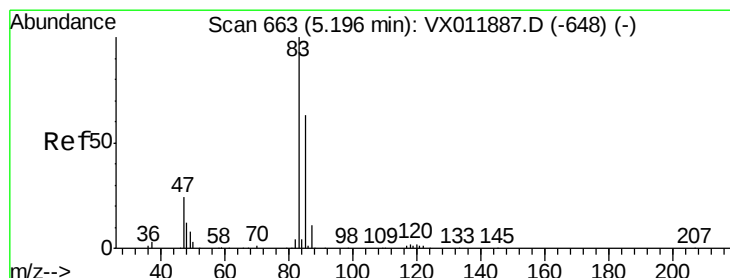
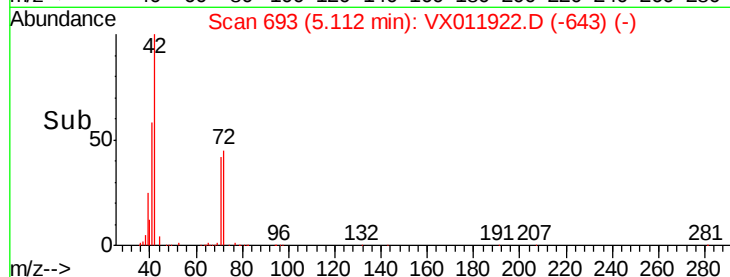
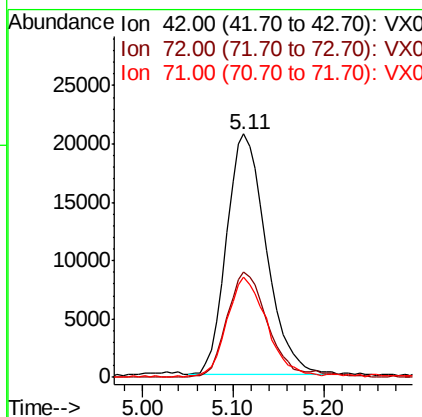
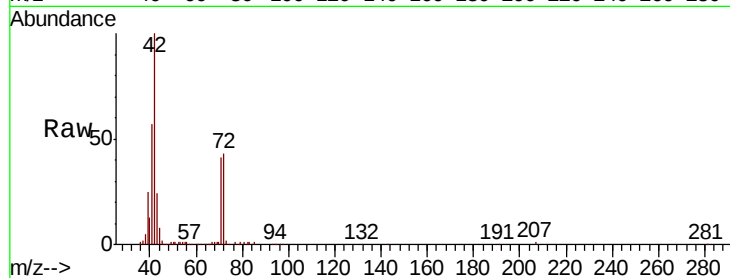
ClientSampleId :

VX0830SBS02

Tot Ion:	42	Resp:	62813
Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.2	54.4
71	41.9	33.1	49.7

Manual Integrations
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#30

Chloroform

Concen: 21.365 ug/l

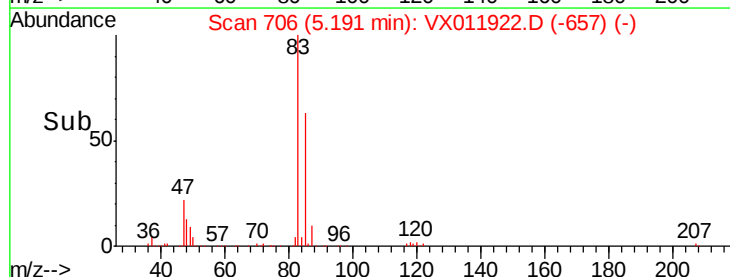
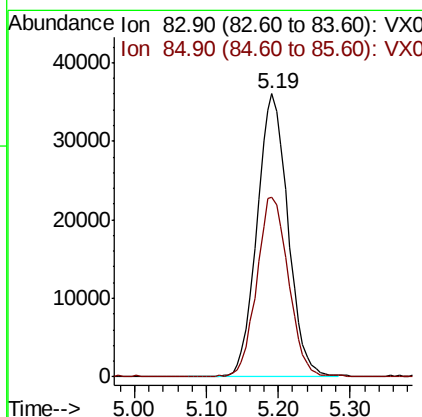
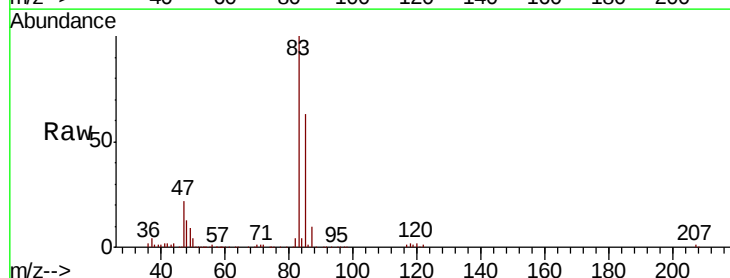
RT: 5.19 min Scan# 706

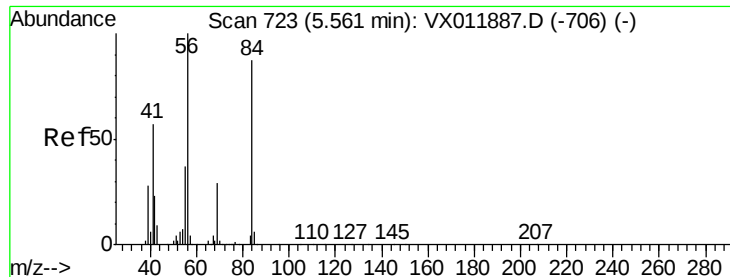
Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	83	Resp:	107640
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8





#31

Cvclohexane

Concen: 18.856 ug/l

RT: 5.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

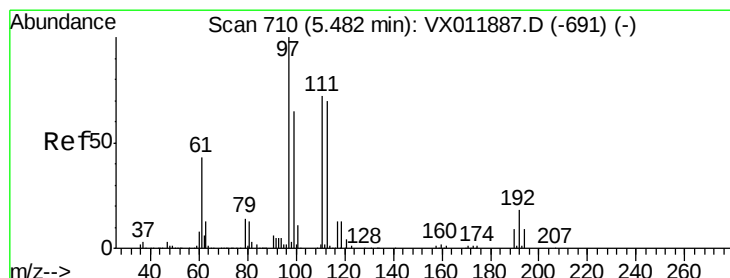
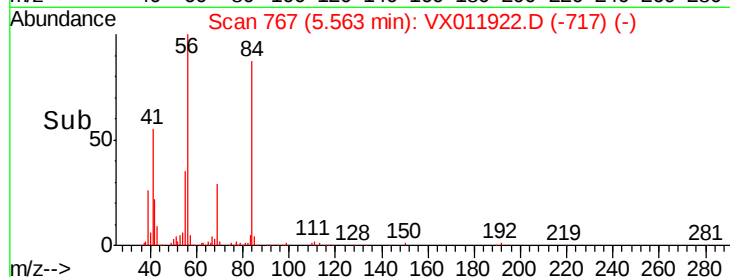
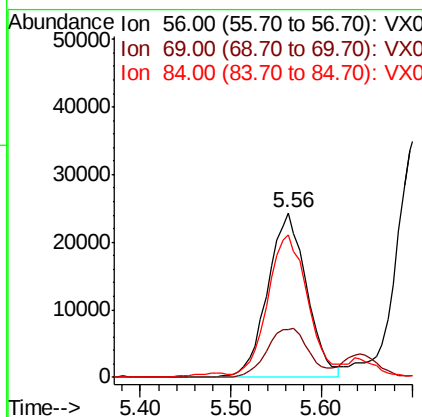
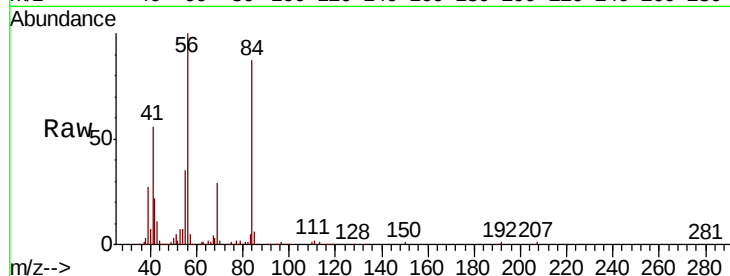
ClientSampleId :

VX0830SBS02

Tot Ion:	56	Resp:	71661
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.1	34.7
84	85.8	69.6	104.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.714 ug/l

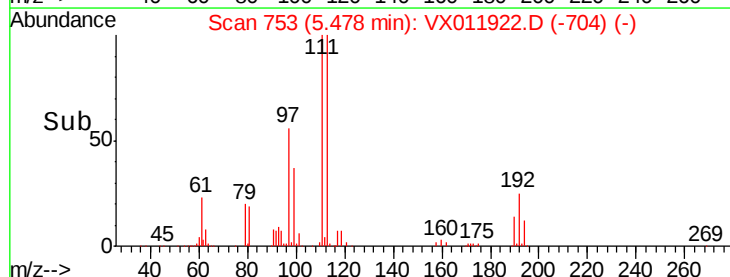
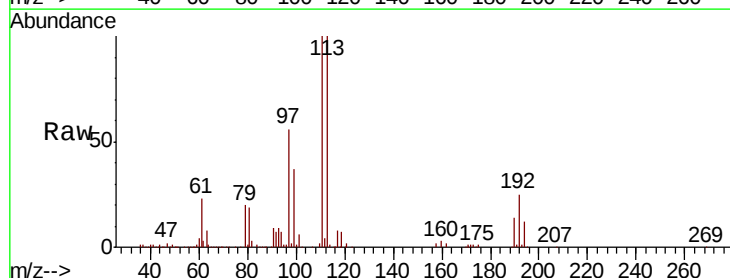
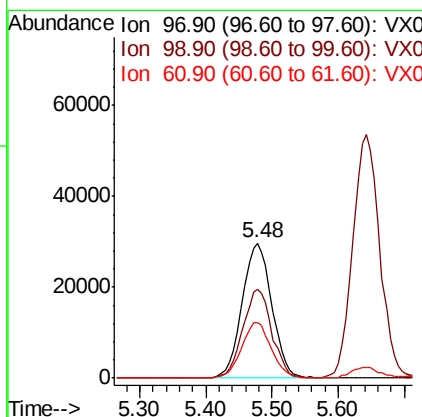
RT: 5.48 min Scan# 753

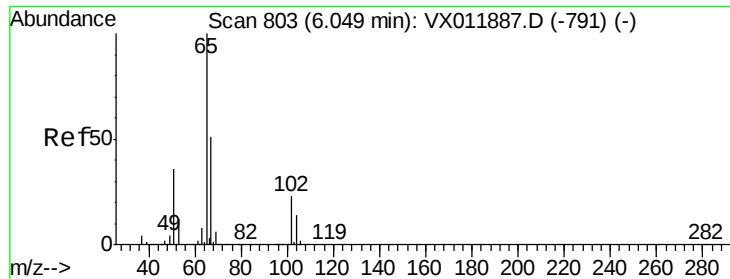
Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	97	Resp:	92699
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	41.3	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 53.664 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 65 Resp: 163338

Ion Ratio Lower Upper

65 100

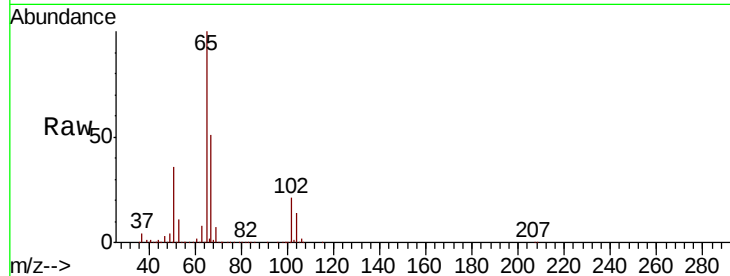
67 50.2 0.0 102.2

Manual Integrations

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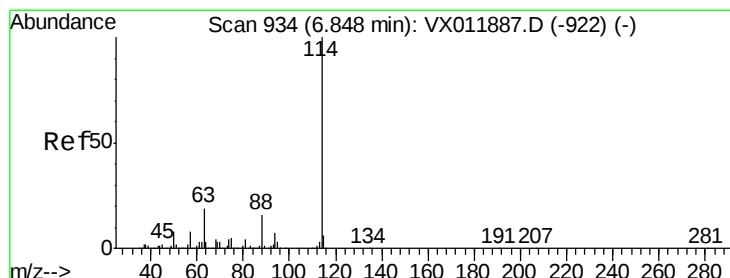
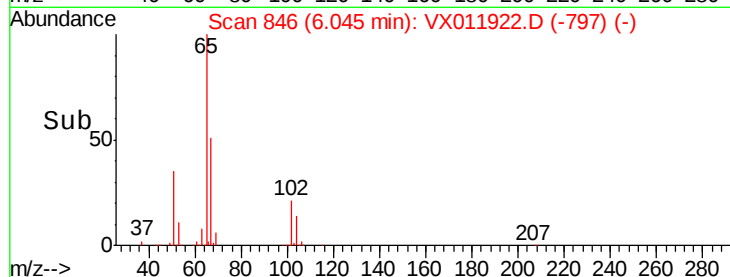
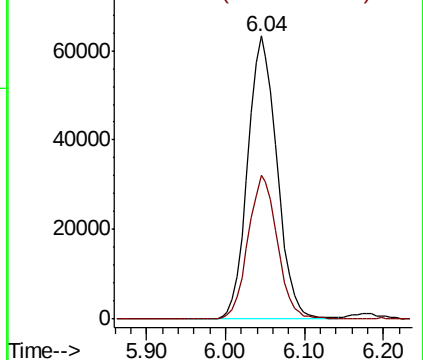
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

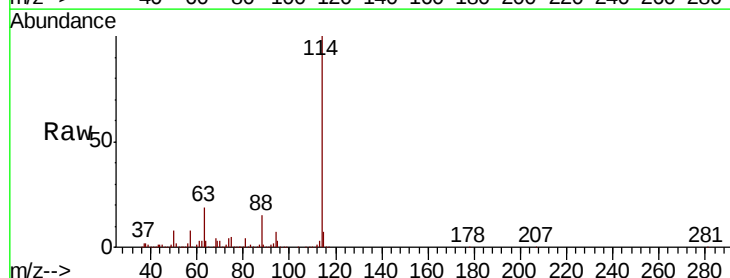
Tgt Ion: 114 Resp: 457749

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

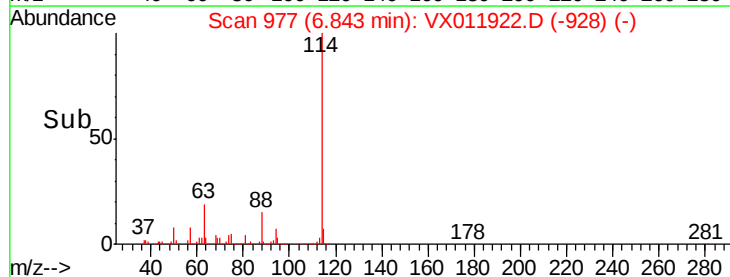
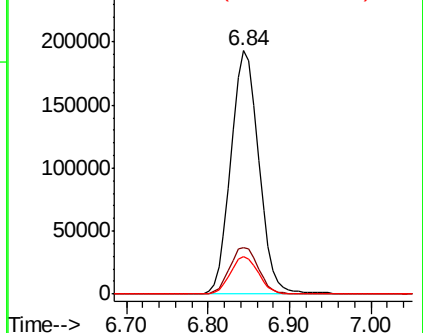
88 15.4 0.0 31.2

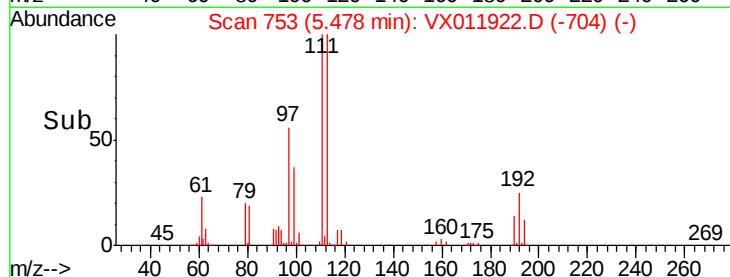
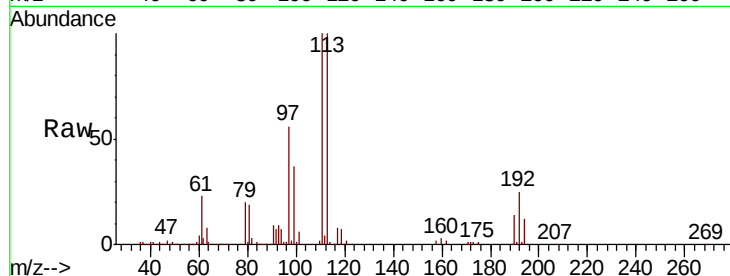
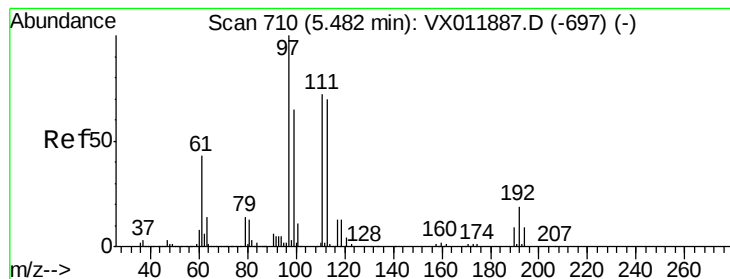


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.621 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011922.D

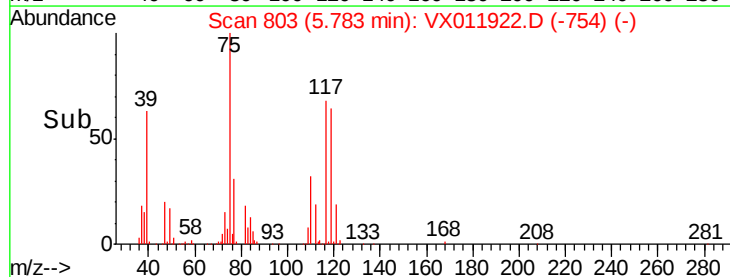
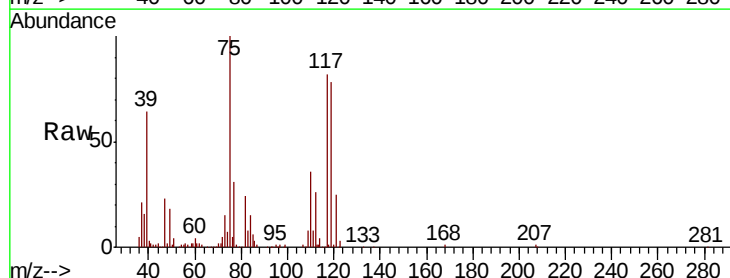
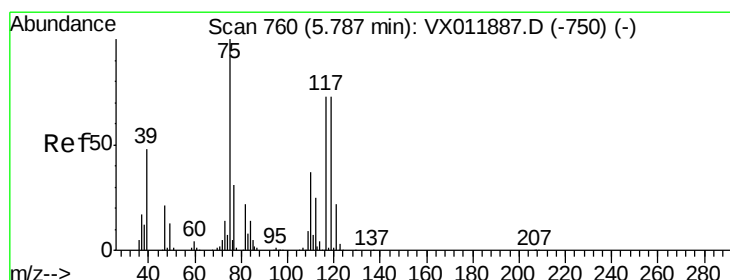
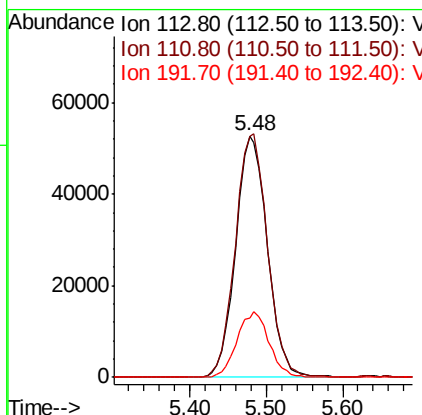
Acq: 30 Aug 2019 23:04

Tot Ion:	113	Resp:	151523
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.1	123.1
192	27.4	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

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#36

1,1-Dichloropropene

Concen: 19.043 ug/l

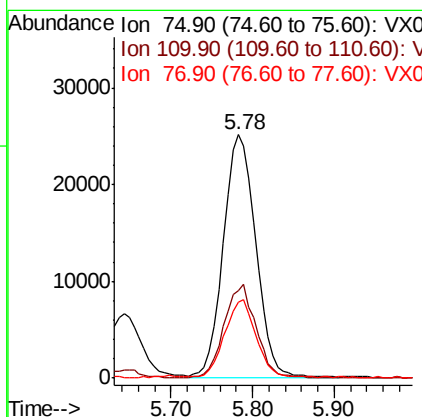
RT: 5.78 min Scan# 803

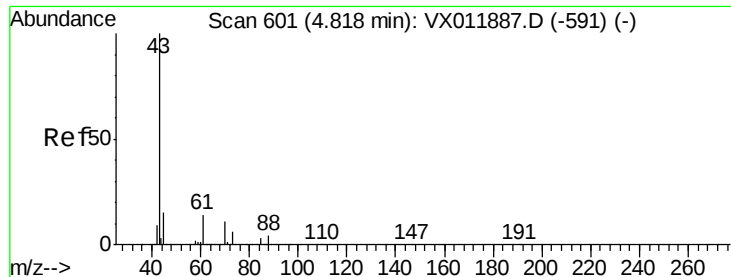
Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	75	Resp:	69058
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.1	57.3
77	30.5	24.4	36.6





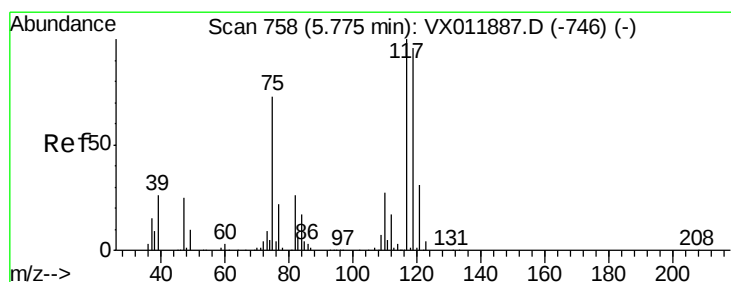
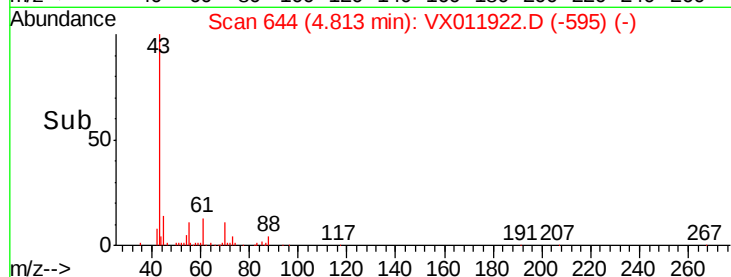
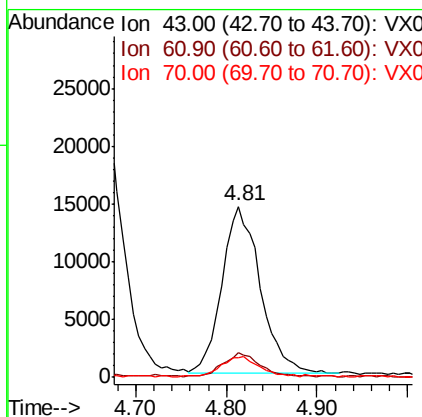
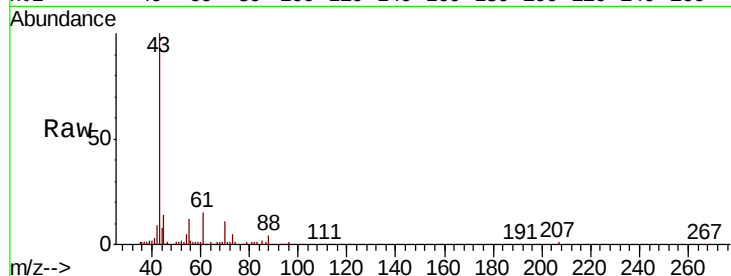
#37
Ethyl Acetate
Concen: 19.777 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	11.6	9.2	13.8

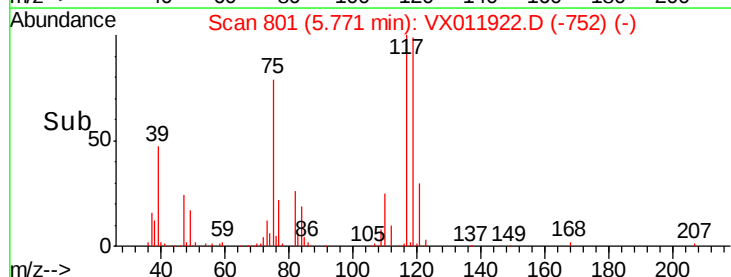
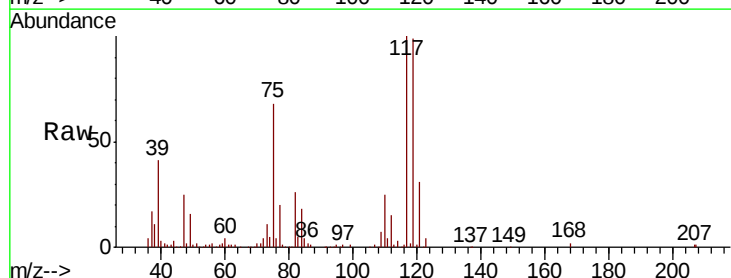
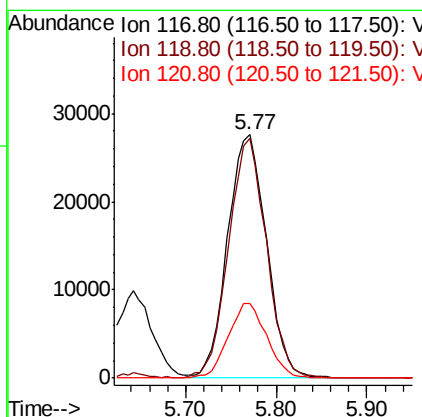
Manual Integrations
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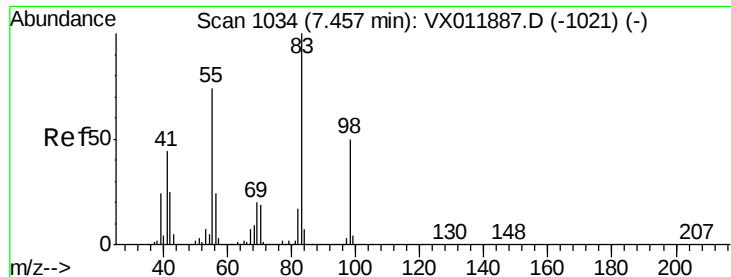
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#38
Carbon Tetrachloride
Concen: 19.428 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.6	114.8
121	30.8	24.7	37.1





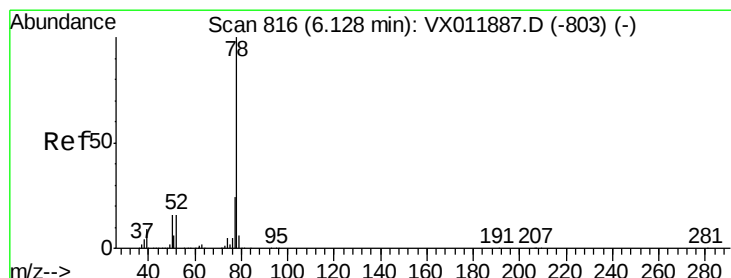
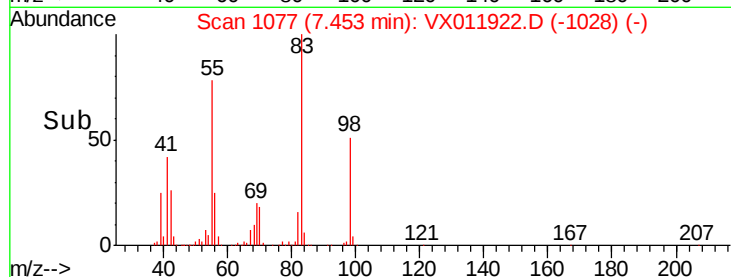
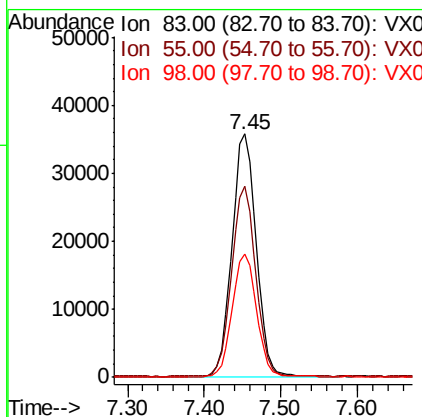
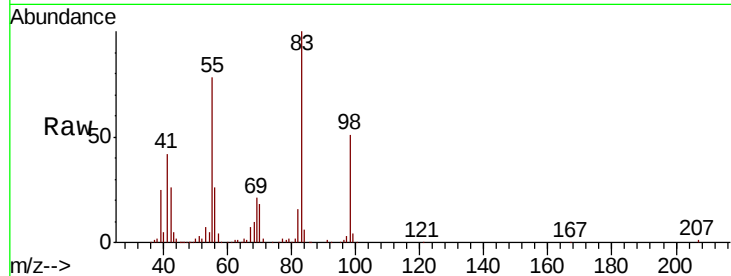
#39
Methvlcvclohexane
Concen: 18.344 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.4	89.0
98	50.8	40.3	60.5

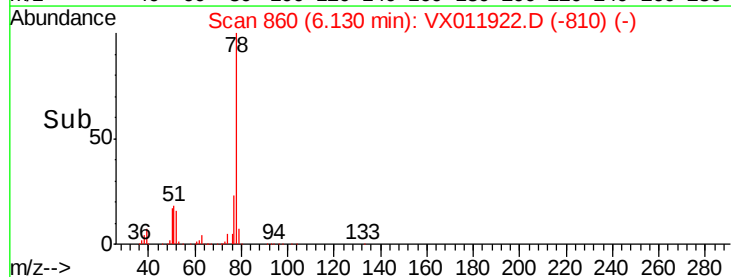
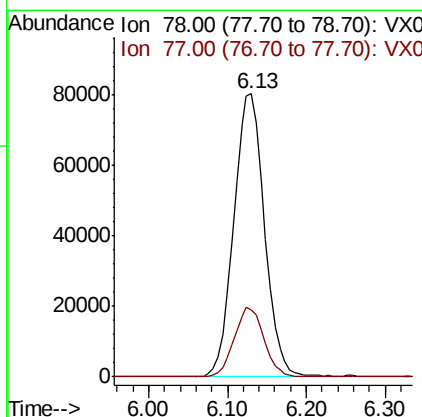
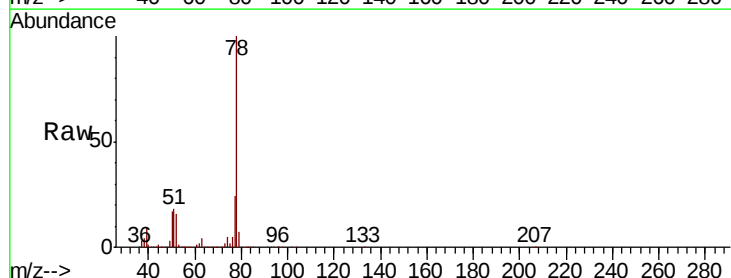
Manual Integrations
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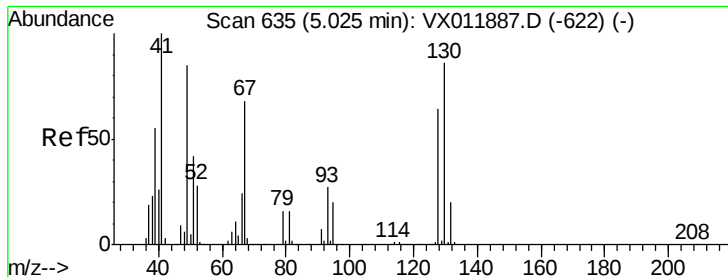
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#40
Benzene
Concen: 20.110 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 20.203 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 41 Resp: 25535

Ion Ratio Lower Upper

41 100

39 57.2 45.0 67.6

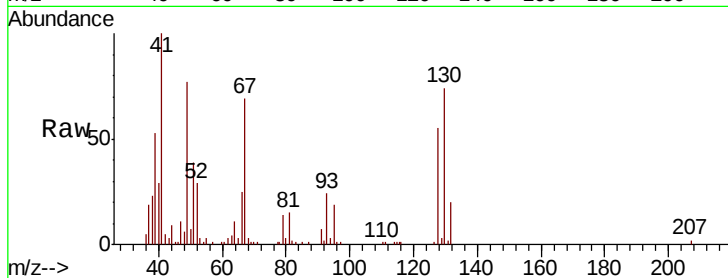
67 69.8 55.0 82.4

52 30.7 24.1 36.1

Manual Integrations
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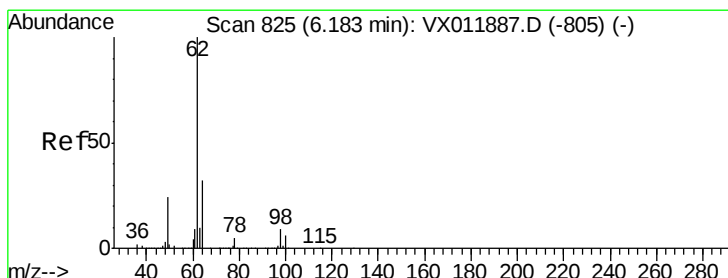
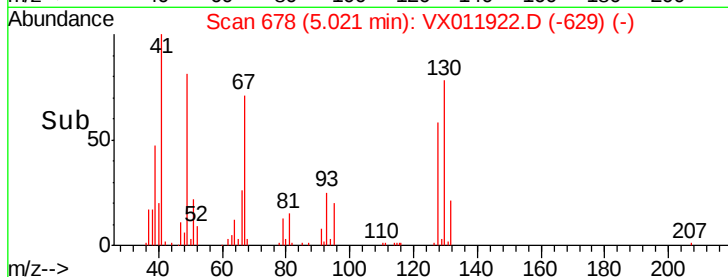
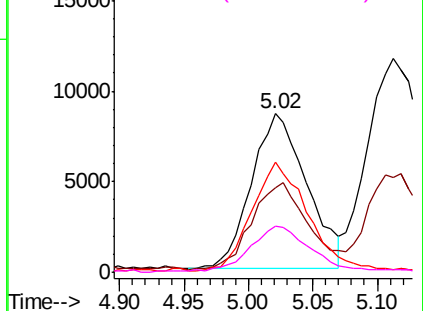


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.968 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011922.D

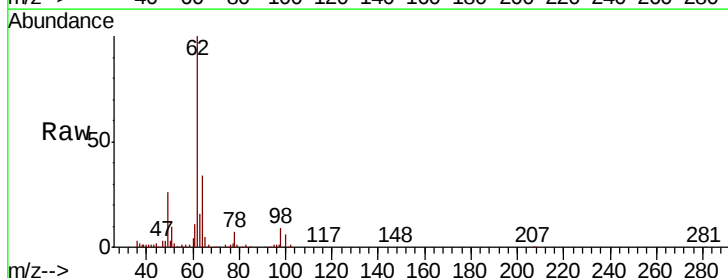
Acq: 30 Aug 2019 23:04

Tgt Ion: 62 Resp: 77189

Ion Ratio Lower Upper

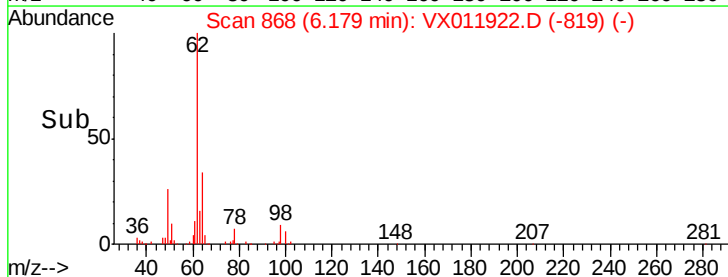
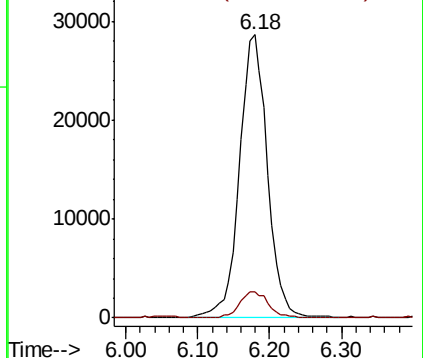
62 100

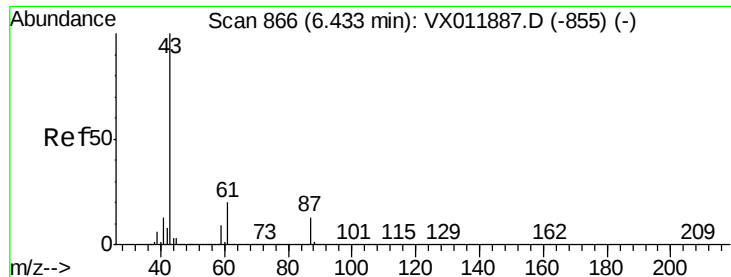
98 9.6 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

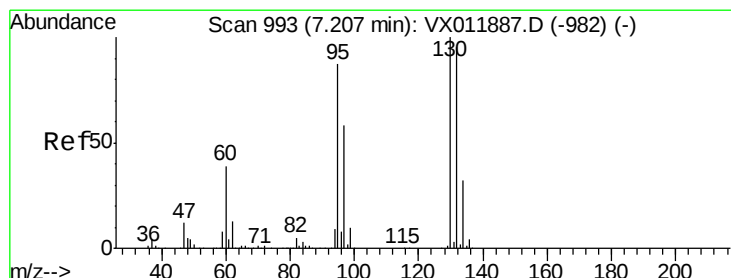
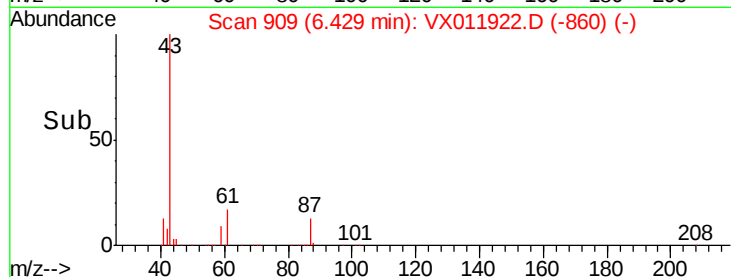
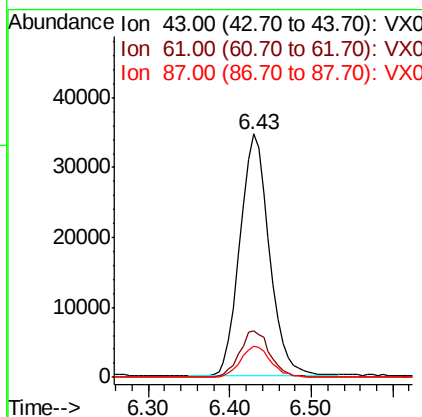
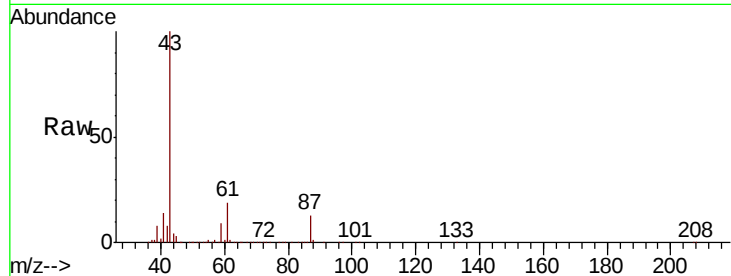
Isopropyl Acetate
 Concen: 20.011 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.1	24.1
87	13.3	10.6	16.0

Manual Integrations
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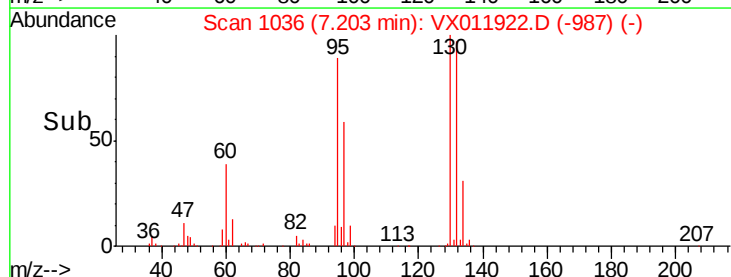
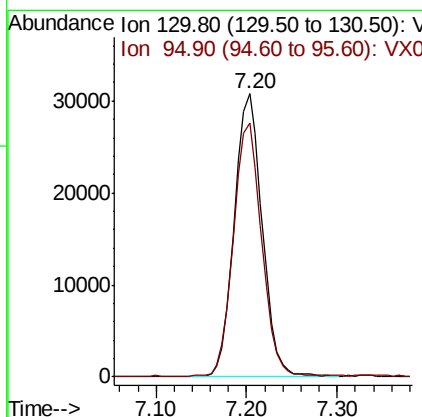
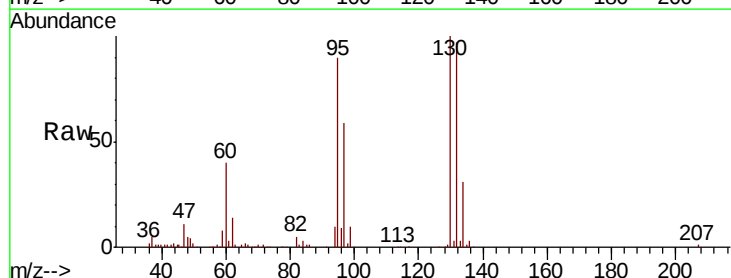
MMDadoda
 9/3/2019 2:41:11 AM

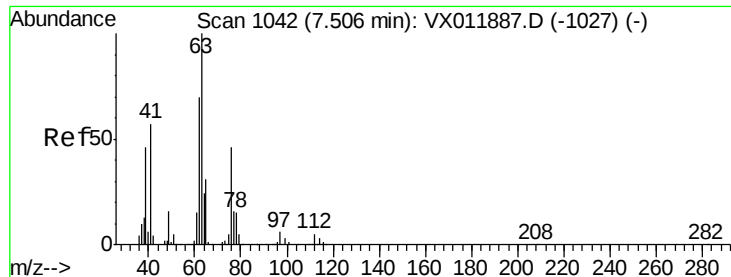


#44

Trichloroethene
 Concen: 19.685 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	174.6





#45

1,2-Dichloropropane

Concen: 20.305 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 63 Resp: 57494

Ion Ratio Lower Upper

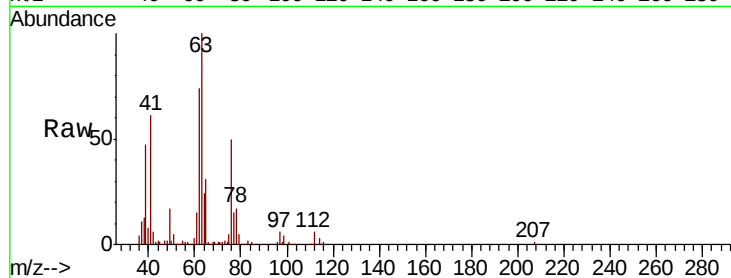
63 100

65 30.6 25.1 37.7

Manual Integrations
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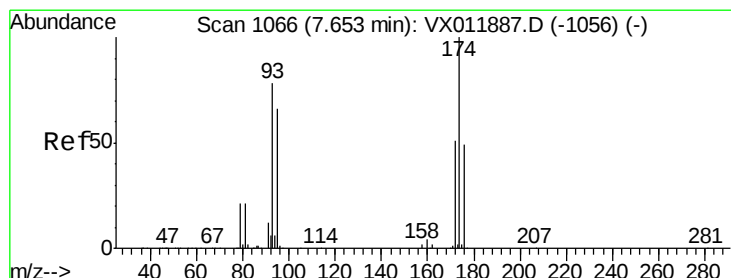
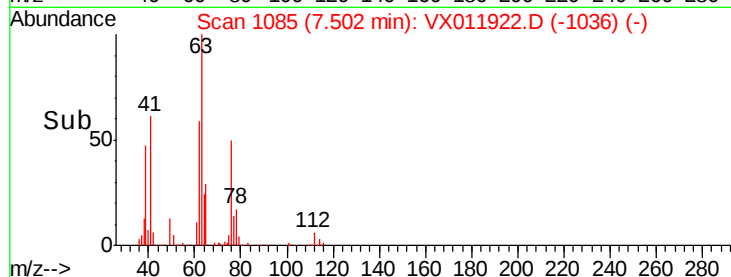
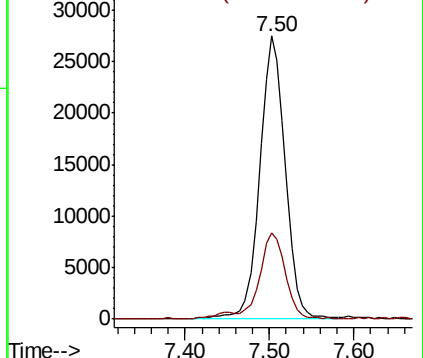
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.609 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

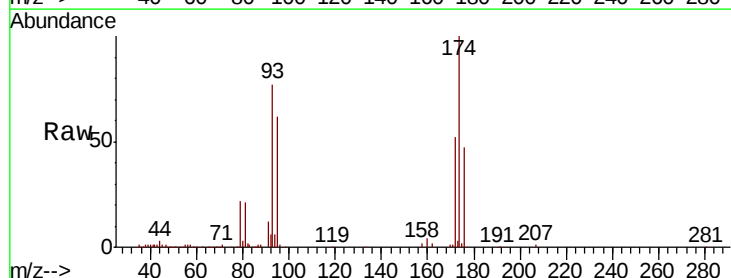
Tgt Ion: 93 Resp: 34632

Ion Ratio Lower Upper

93 100

95 81.3 65.7 98.5

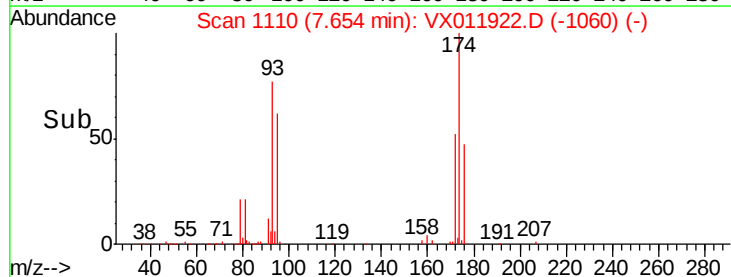
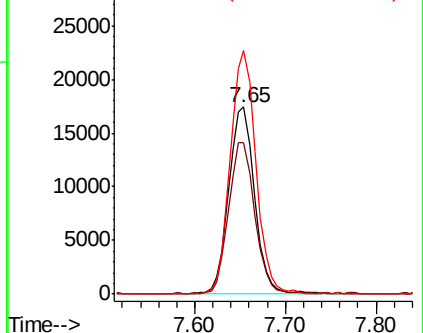
174 128.9 104.2 156.4

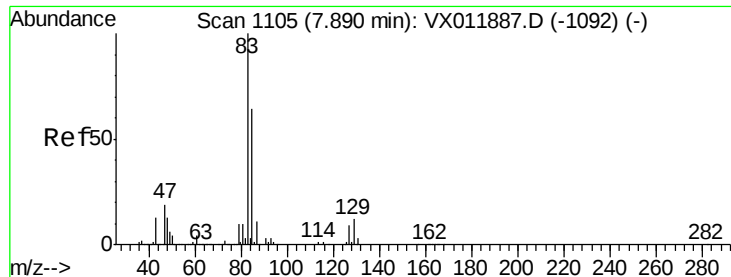


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.349 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

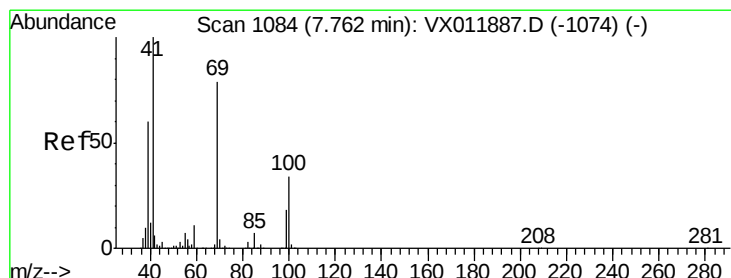
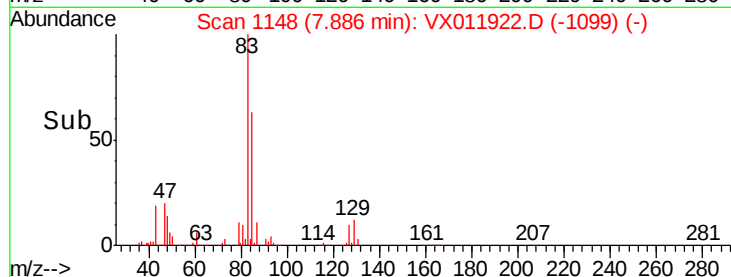
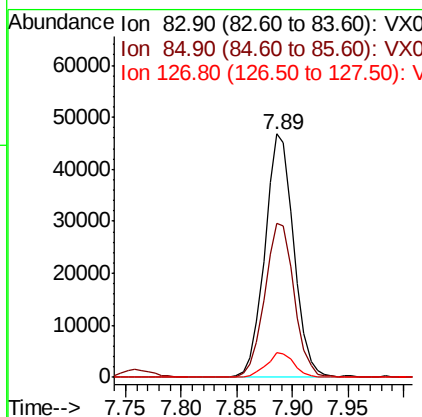
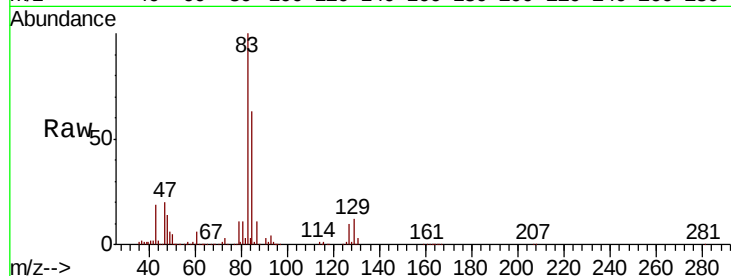
ClientSampleId :

VX0830SBS02

Tot Ion:	83	Resp:	84795
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	9.9	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.960 ug/l

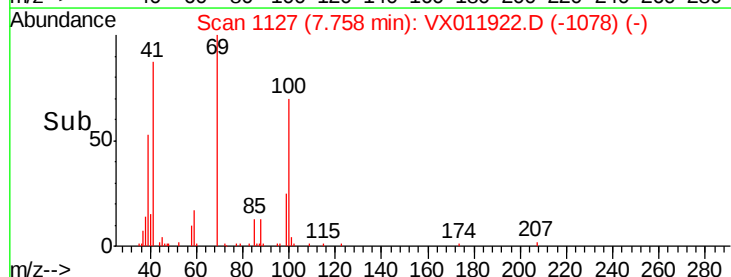
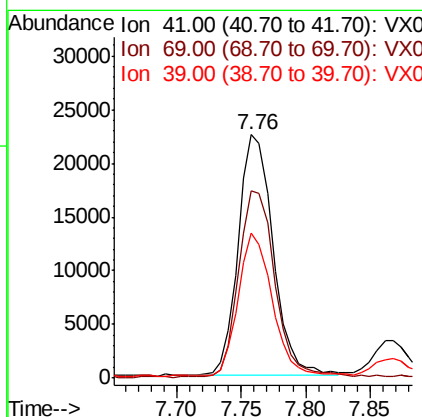
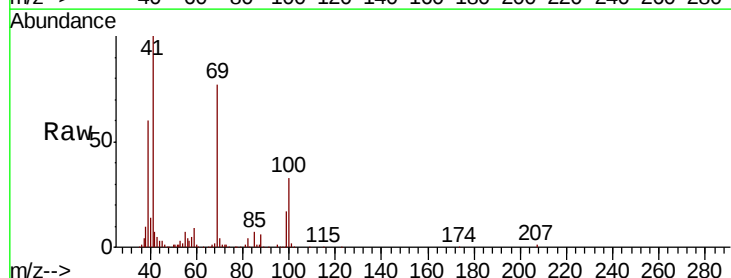
RT: 7.76 min Scan# 1127

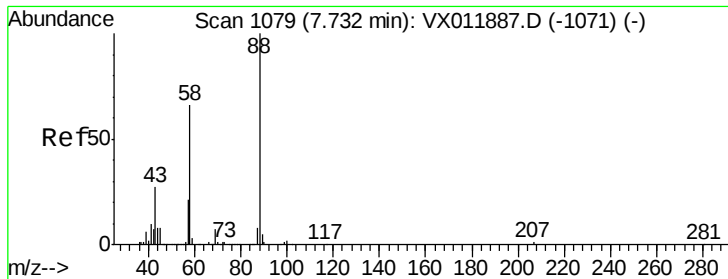
Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	41	Resp:	42267
Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.4	96.6
39	59.0	47.2	70.8





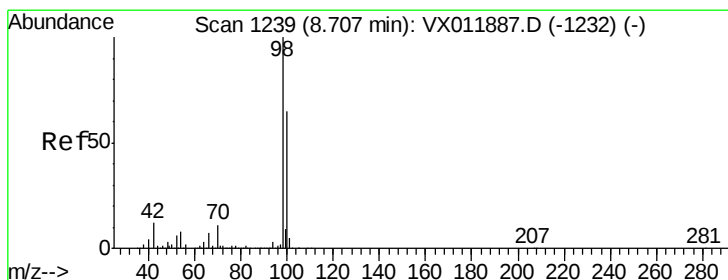
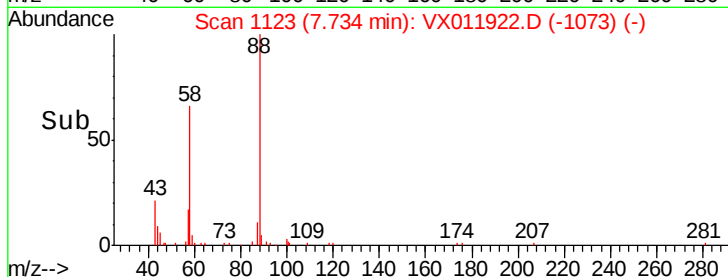
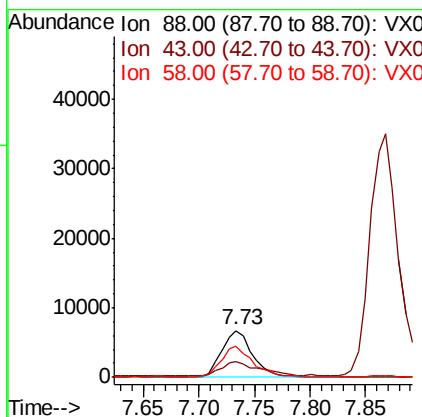
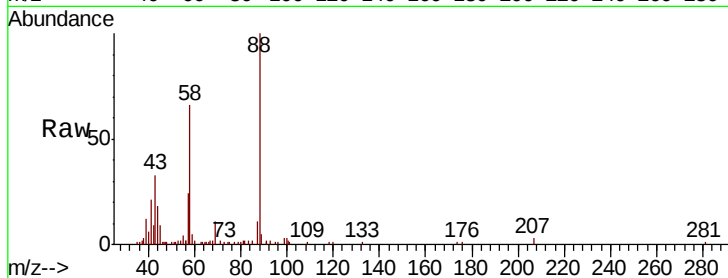
#49
1,4-Dioxane
Concen: 447.147 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.3	40.9
58	68.7	53.9	80.9

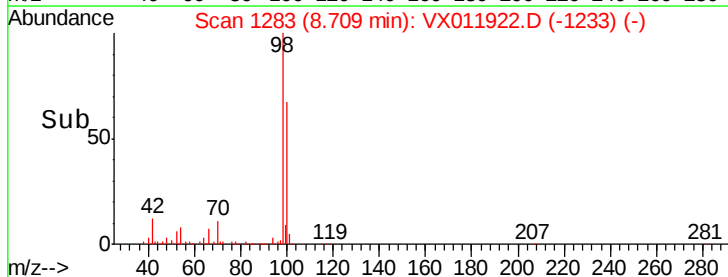
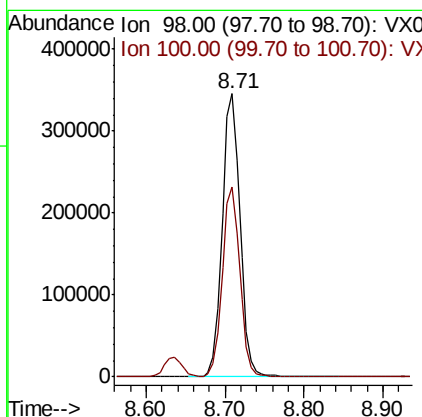
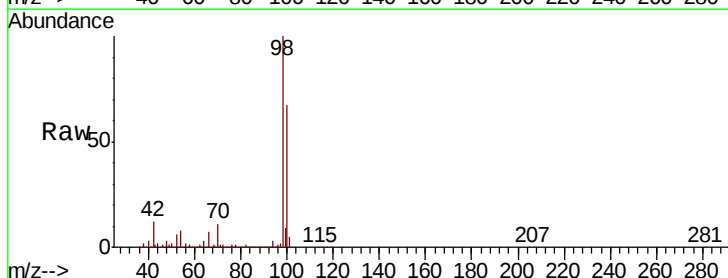
Manual Integrations
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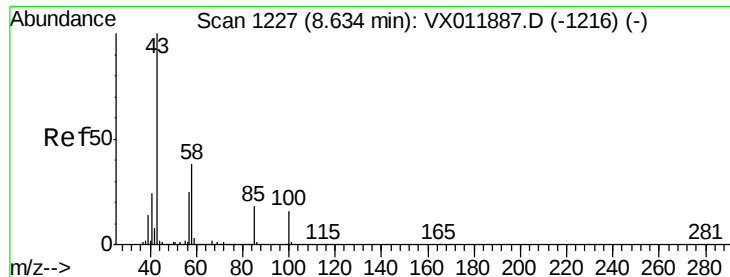
MMDadoda
9/3/2019 2:41:11 AM



#50
Toluene-d8
Concen: 51.736 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





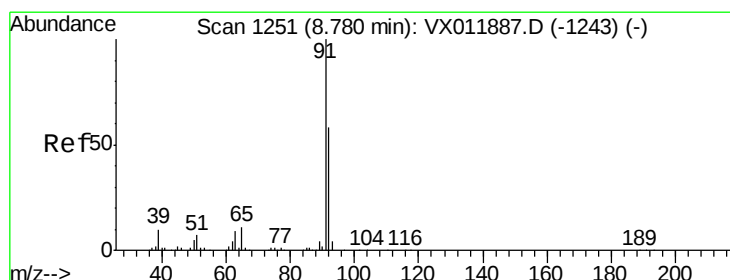
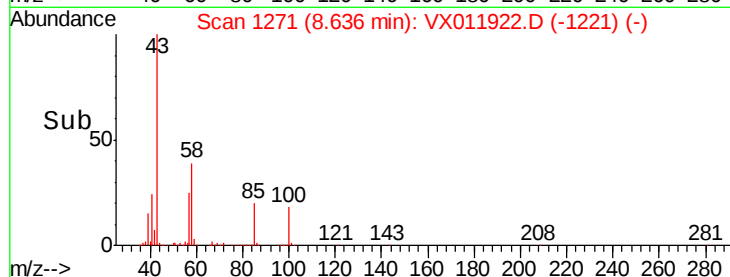
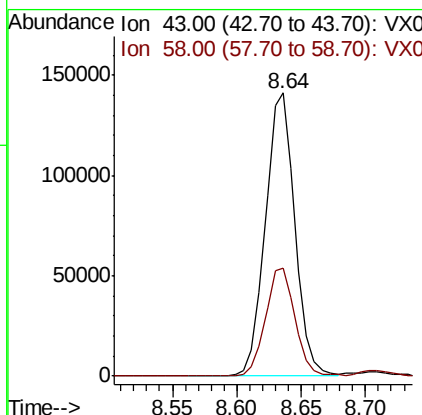
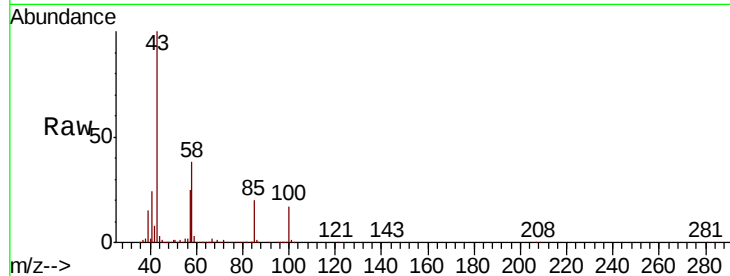
#51
4-Methyl-2-Pentanone
Concen: 101.174 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.9	46.3

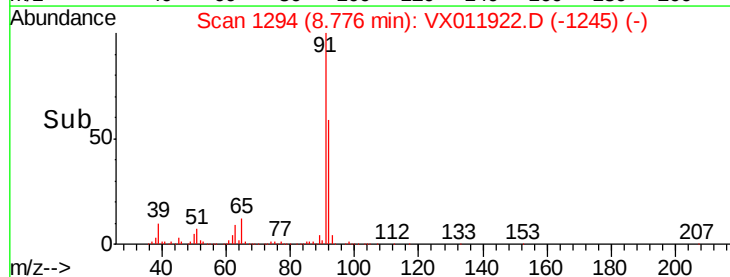
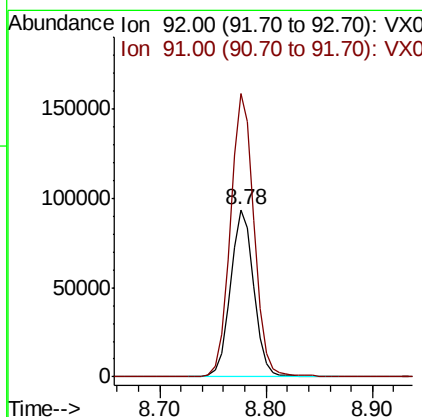
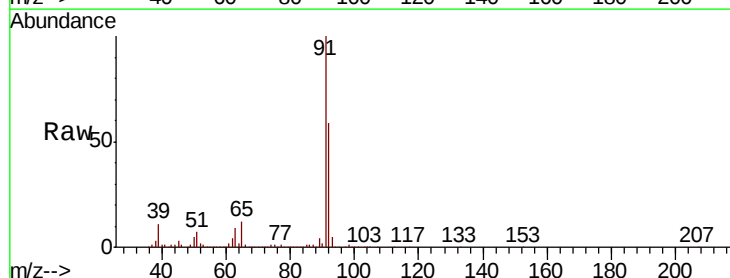
Manual Integrations
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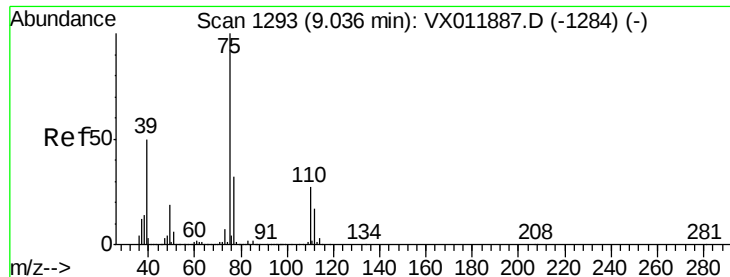
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#52
Toluene
Concen: 20.126 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 19.798 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 75 Resp: 84507

Ion Ratio Lower Upper

75 100

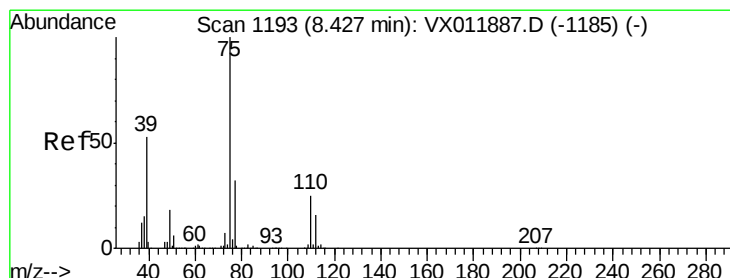
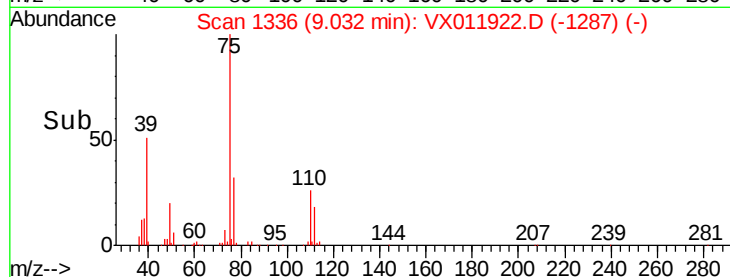
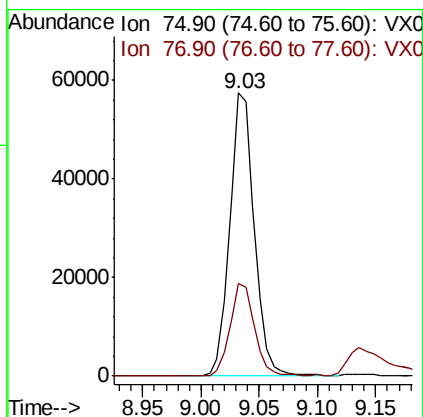
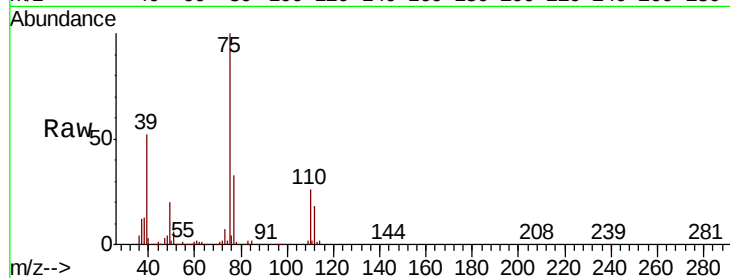
77 32.4 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.032 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

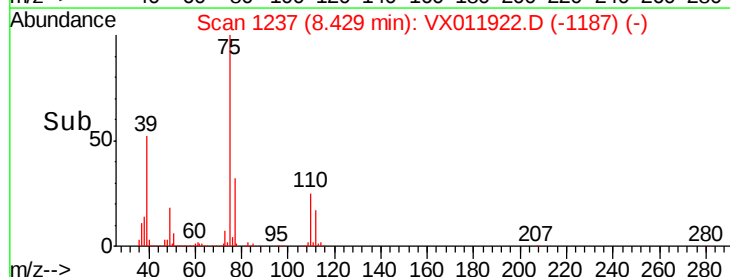
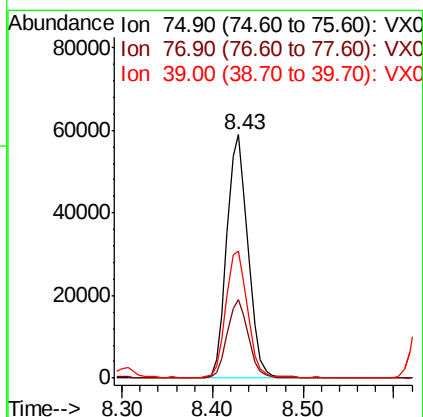
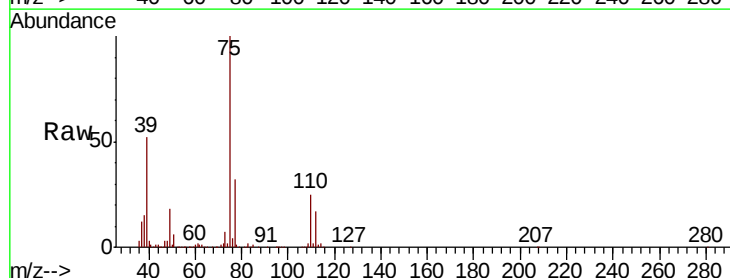
Tgt Ion: 75 Resp: 95982

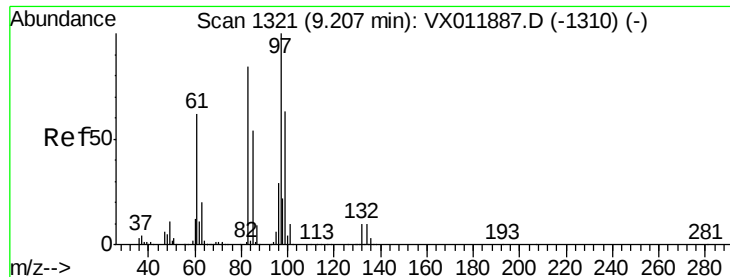
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 52.0 42.6 64.0





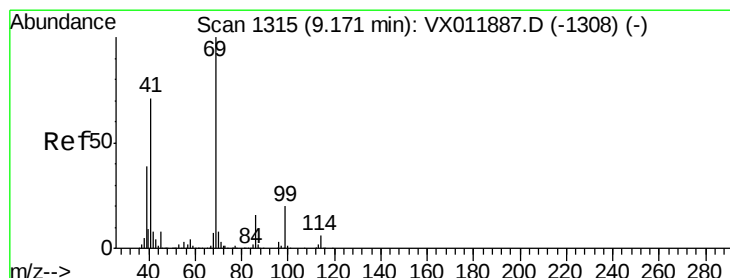
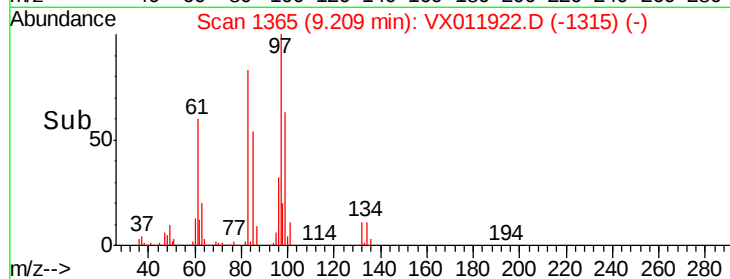
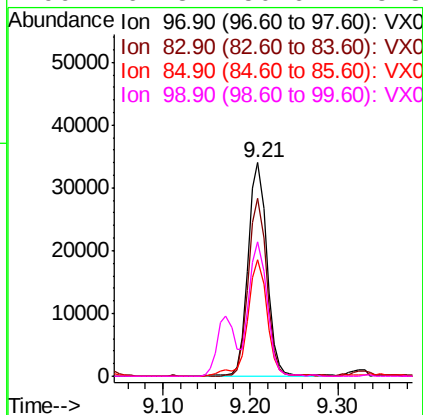
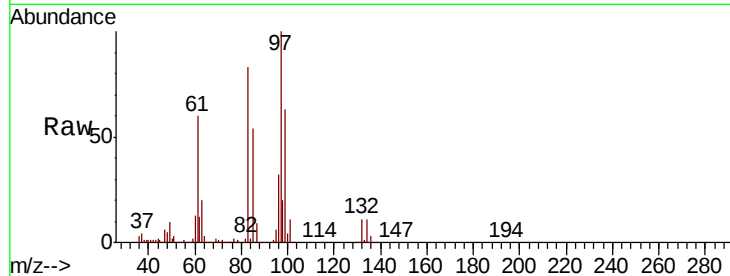
#55
 1,1,2-Trichloroethane
 Concen: 20.700 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50925		
83	82.7	66.8	100.2		
85	54.3	43.5	65.3		
99	62.8	50.6	75.8		

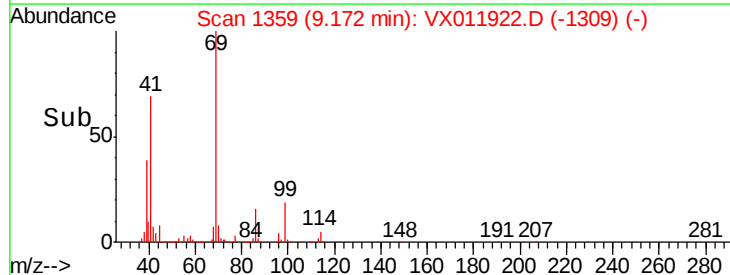
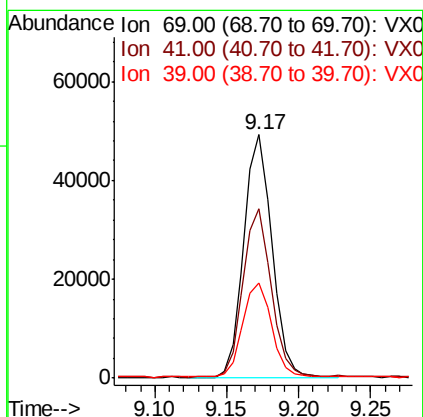
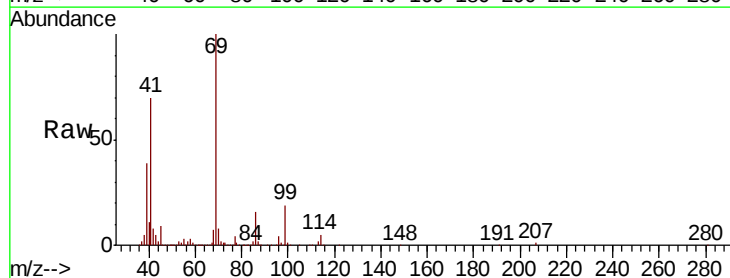
Manual Integrations
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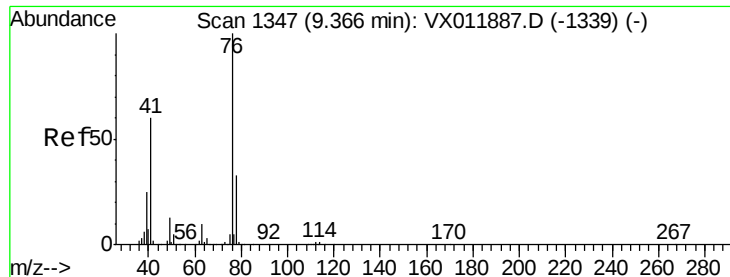
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#56
 Ethyl methacrylate
 Concen: 19.615 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		66972		
41	69.4	55.8	83.8		
39	39.8	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 20.589 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 76 Resp: 84072

Ion Ratio Lower Upper

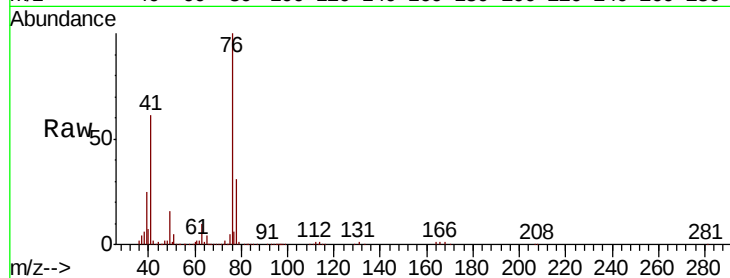
76 100

78 32.3 26.4 39.6

Manual Integrations
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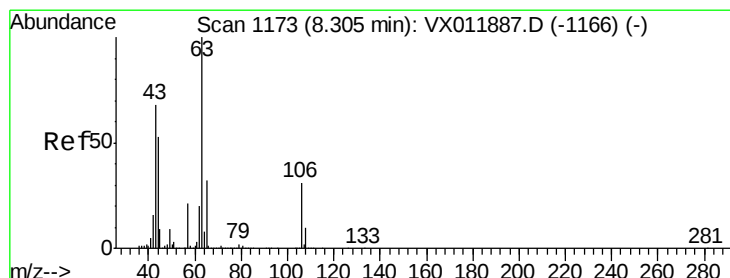
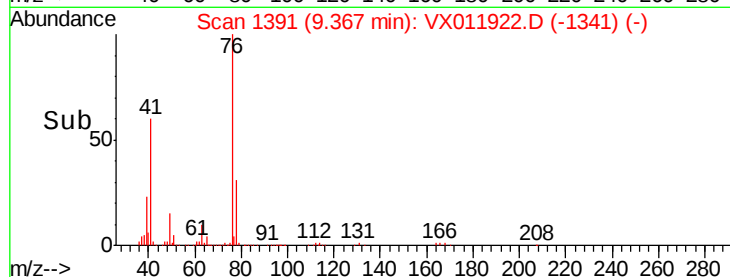
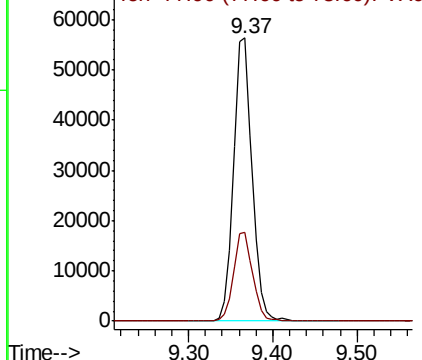
MMDadoda

9/3/2019 2:41:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.376 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VX011922.D

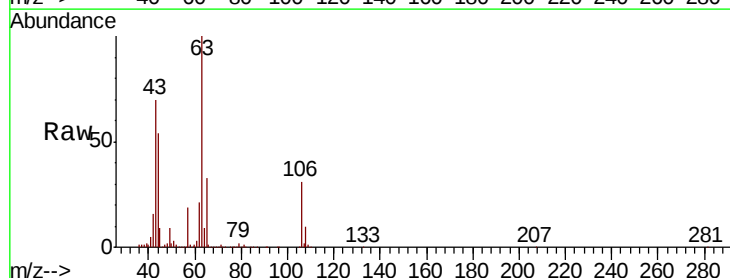
Acq: 30 Aug 2019 23:04

Tgt Ion: 63 Resp: 168114

Ion Ratio Lower Upper

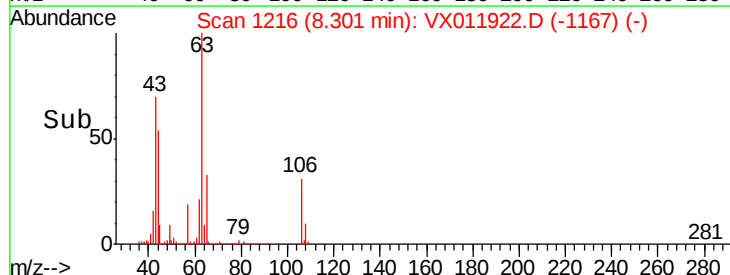
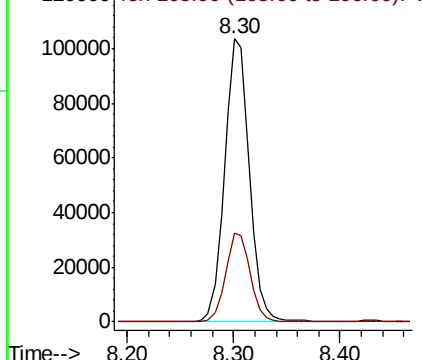
63 100

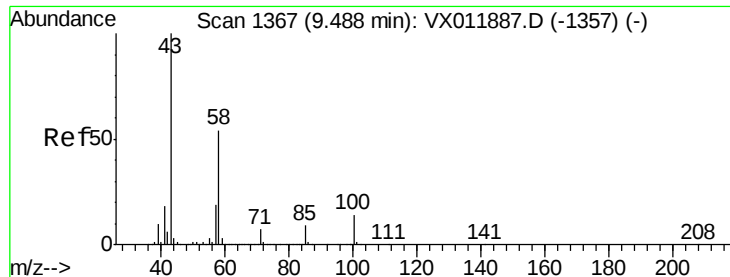
106 31.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





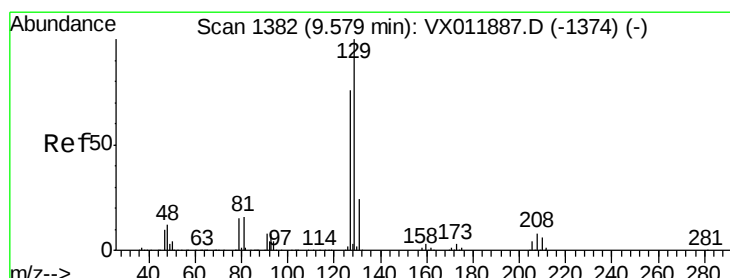
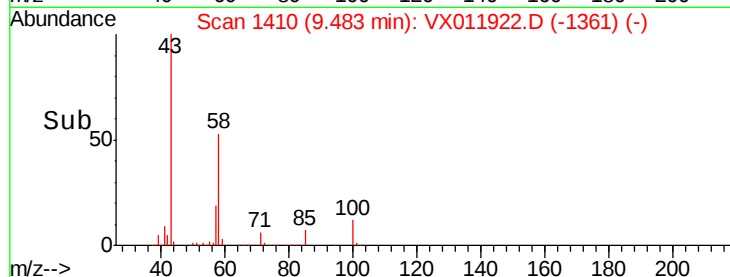
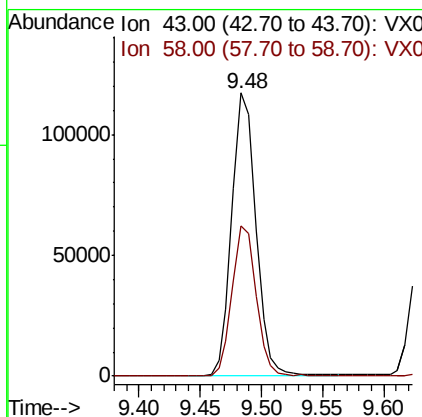
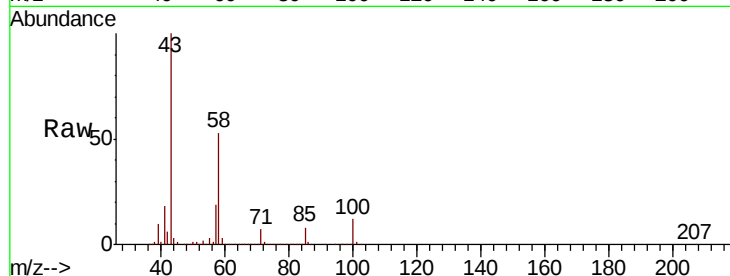
#59
2-Hexanone
Concen: 101.583 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion: 43 Resp: 159540
Ion Ratio Lower Upper
43 100
58 53.8 26.8 80.4

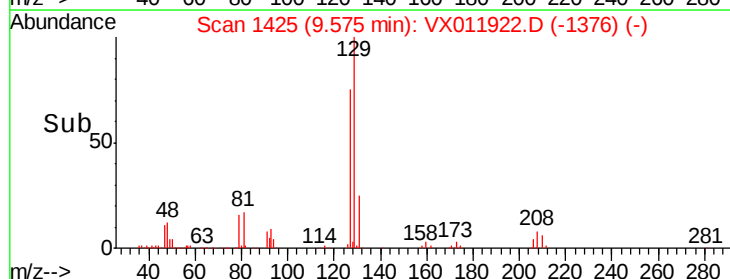
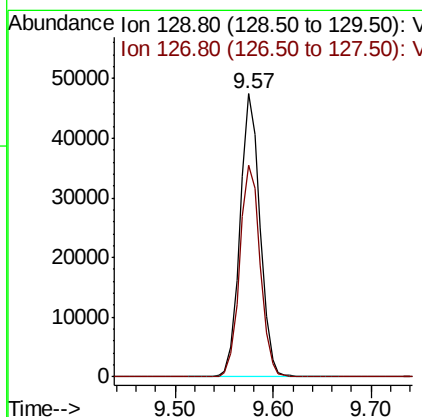
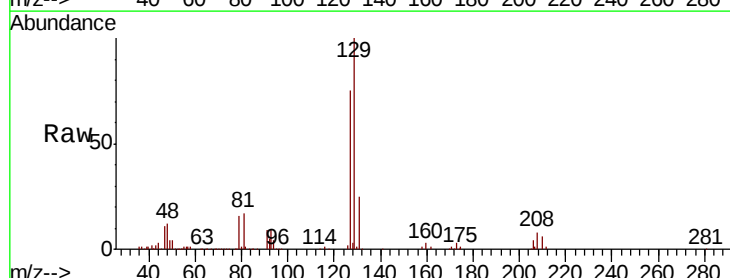
Manual Integrations
APPROVED

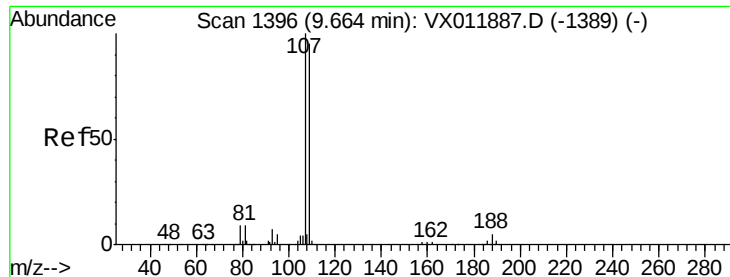
MMDadoda
9/3/2019 2:41:11 AM



#60
Dibromochloromethane
Concen: 20.369 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion: 129 Resp: 67302
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





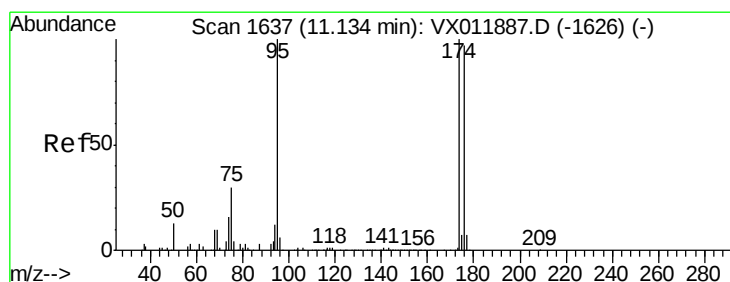
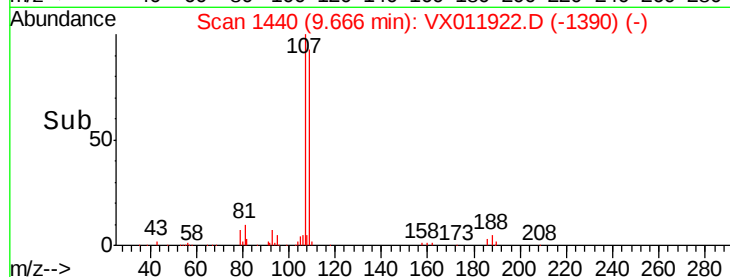
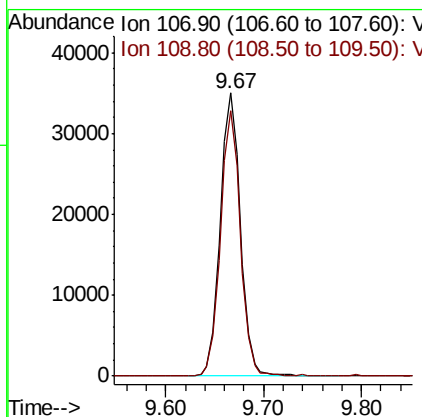
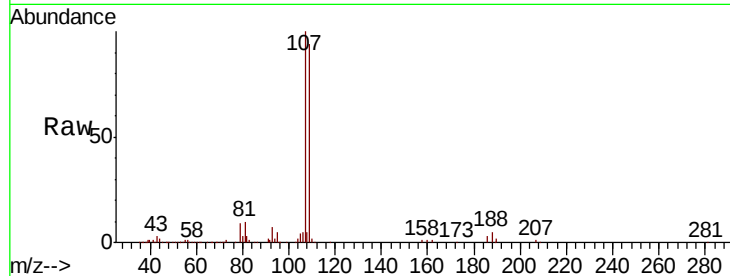
#61
 1,2-Dibromoethane
 Concen: 20.591 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.3	112.9

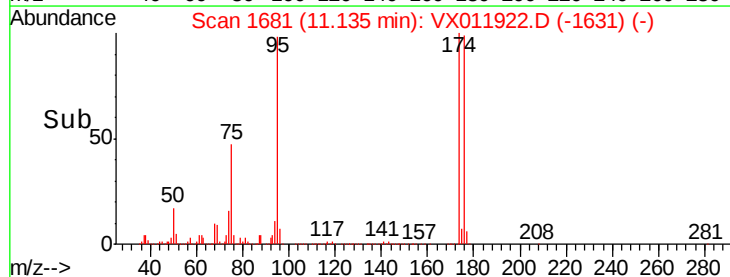
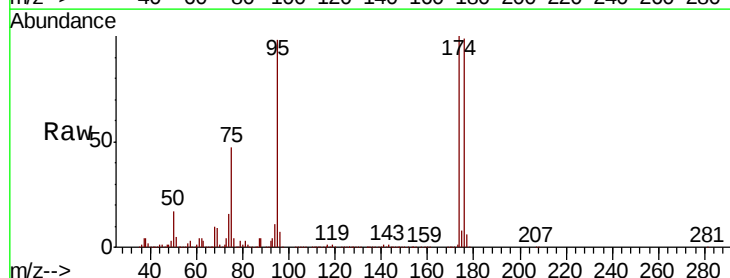
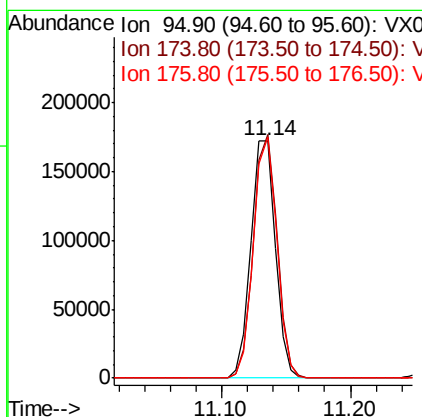
Manual Integrations
 APPROVED

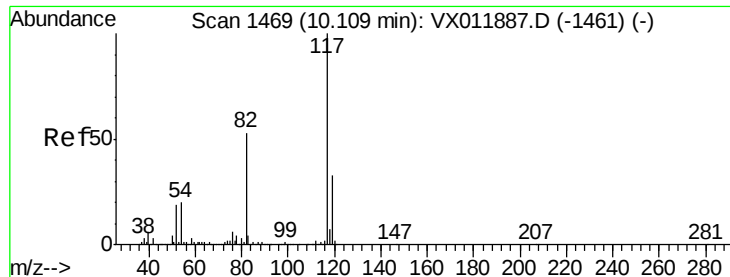
MMDadoda
 9/3/2019 2:41:11 AM



#62
 4-Bromofluorobenzene
 Concen: 49.123 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.7	0.0	196.0
176	96.8	0.0	191.4





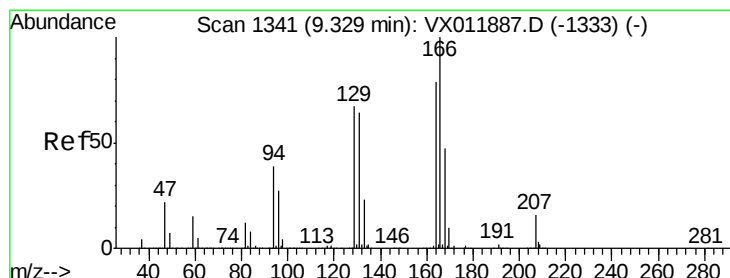
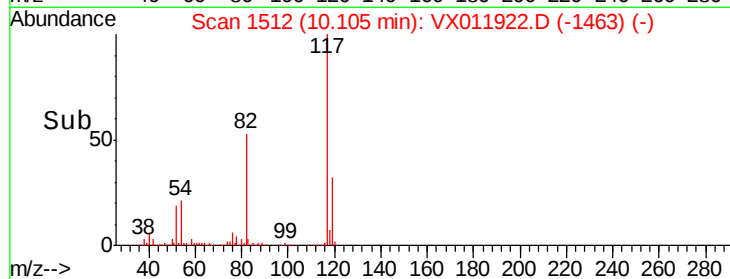
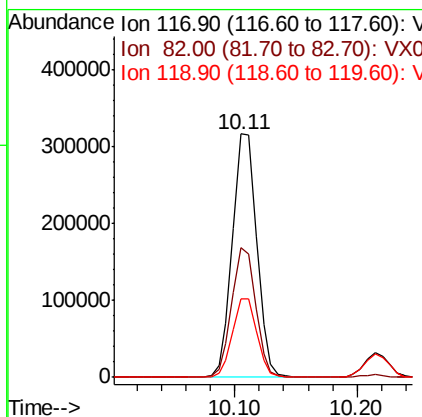
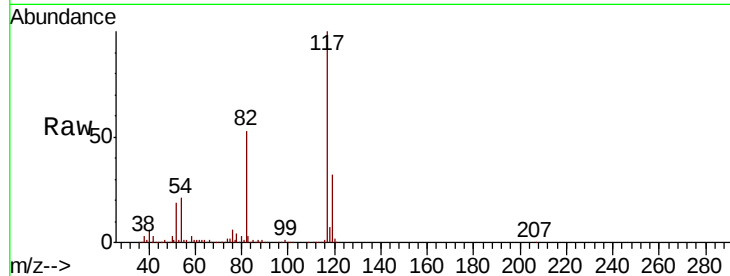
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.0	63.0
119	32.0	26.2	39.4

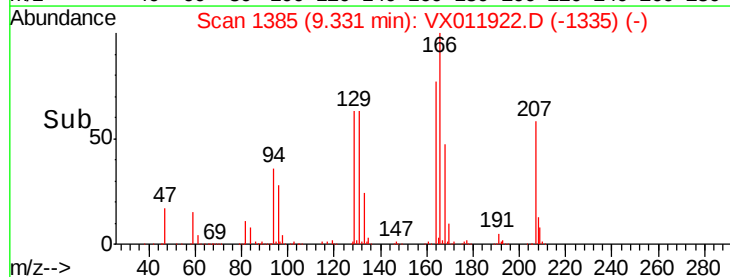
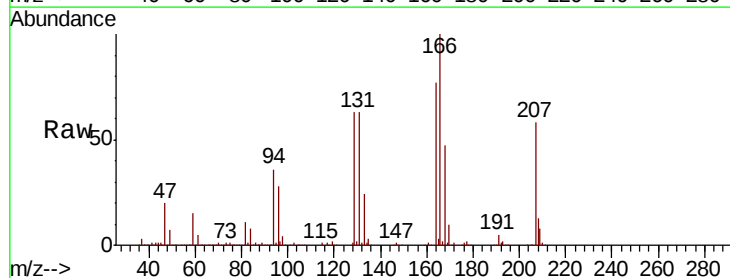
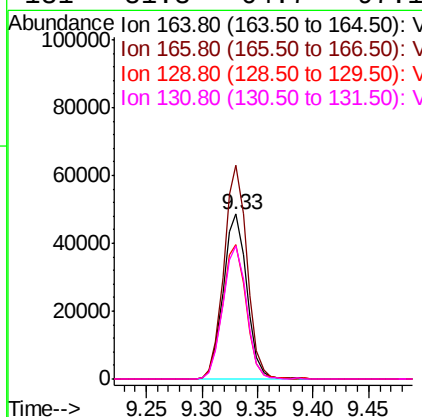
Manual Integrations
APPROVED

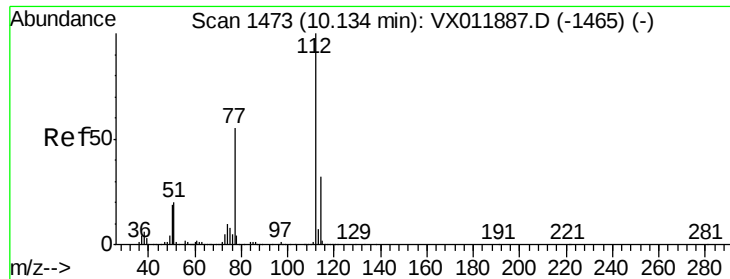
MMDadoda
9/3/2019 2:41:11 AM



#64
Tetrachloroethene
Concen: 20.338 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.4	152.0
129	81.5	68.0	102.0
131	81.3	64.7	97.1





#65

Chlorobenzene

Concen: 20.255 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:112 Resp: 171383

Ion Ratio Lower Upper

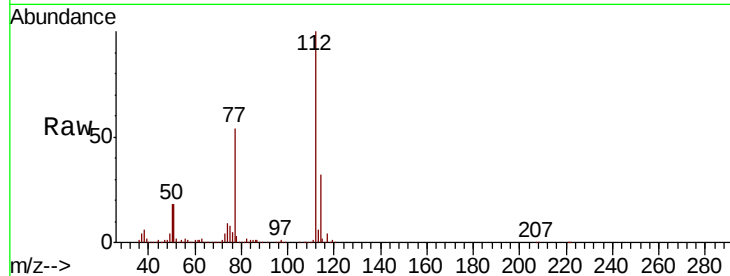
112 100

114 32.0 25.9 38.9

Manual Integrations
APPROVED

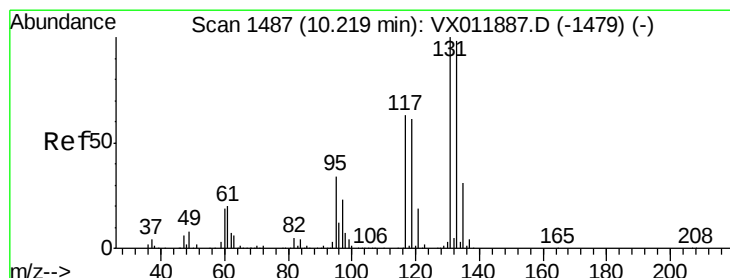
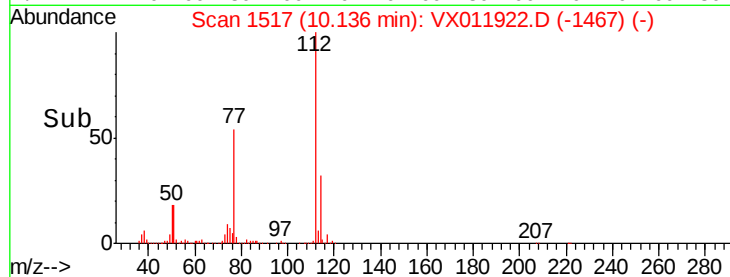
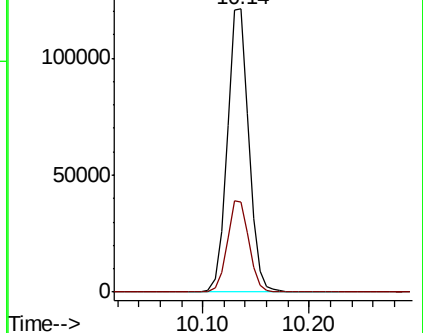
MMDadoda

9/3/2019 2:41:11 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.389 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

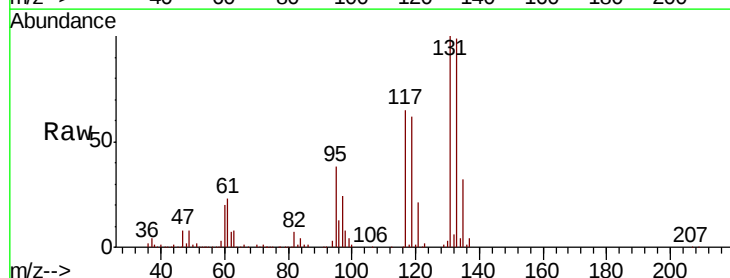
Tgt Ion:131 Resp: 69766

Ion Ratio Lower Upper

131 100

133 96.2 48.4 145.0

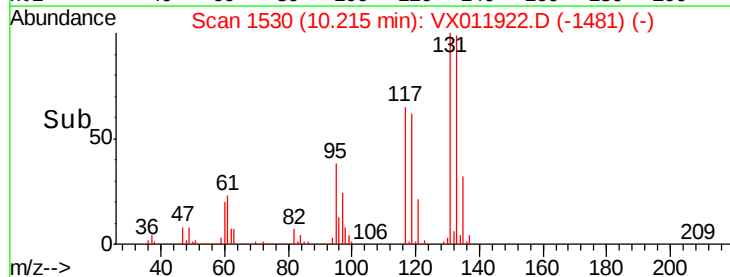
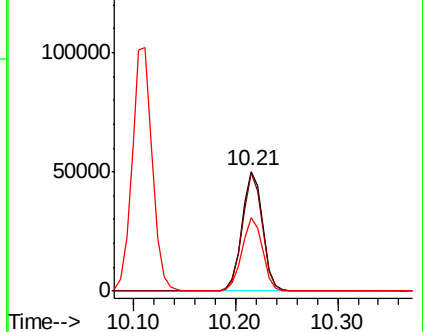
119 60.5 30.6 92.0

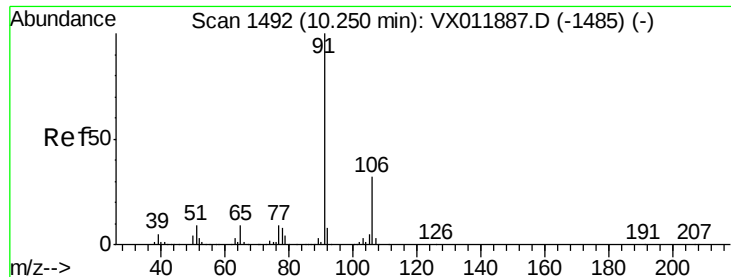


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





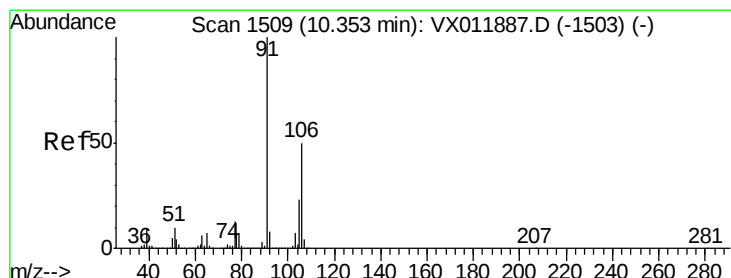
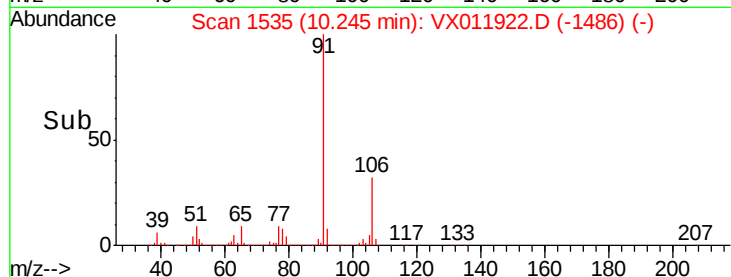
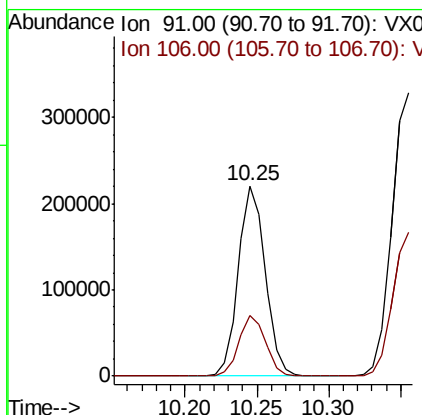
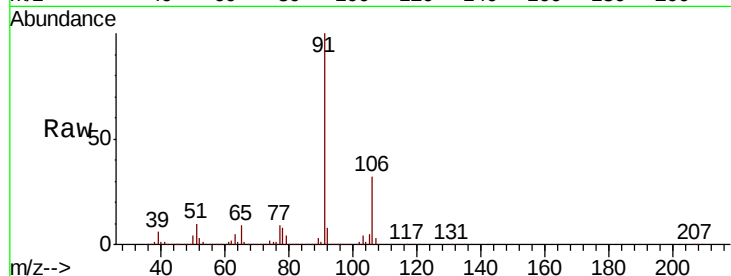
#67
Ethyl Benzene
Concen: 19.909 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.8	38.8

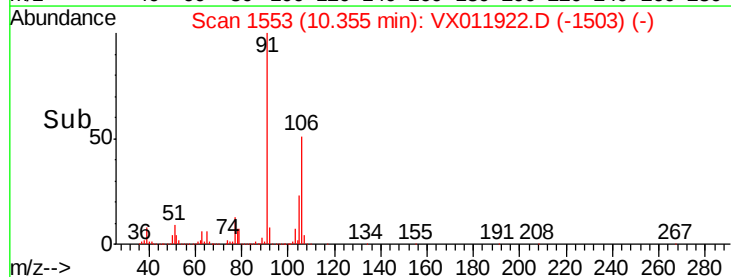
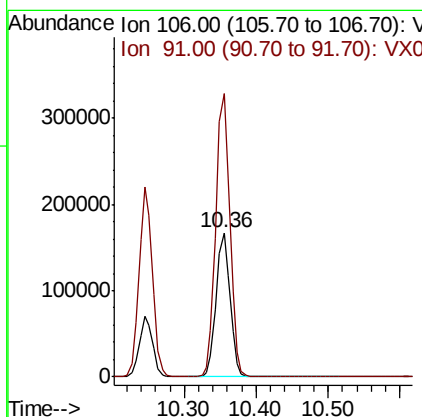
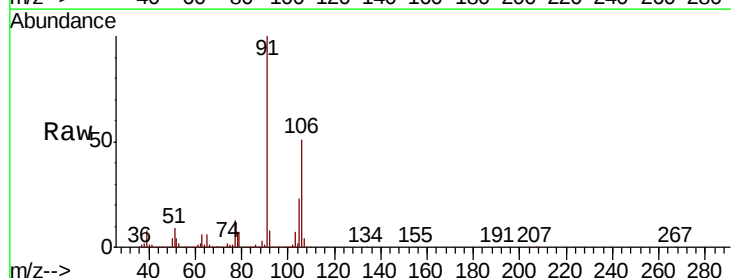
Manual Integrations
APPROVED

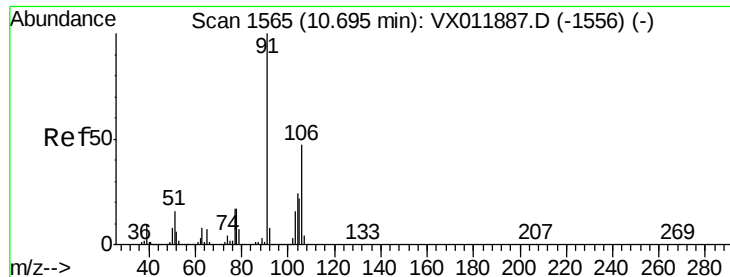
MMDadoda
9/3/2019 2:41:11 AM



#68
m/p-Xylenes
Concen: 40.305 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.2	158.6	237.8





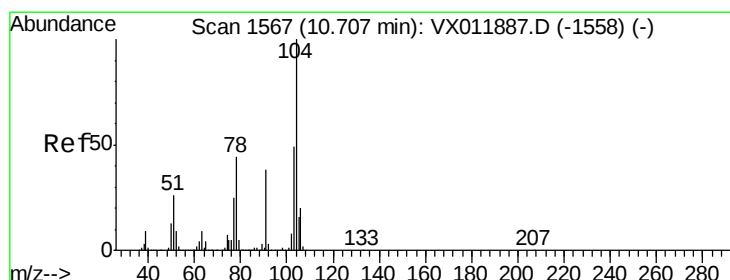
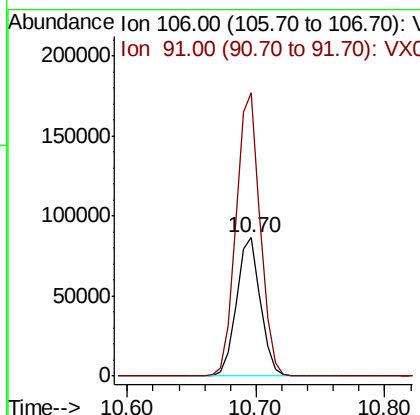
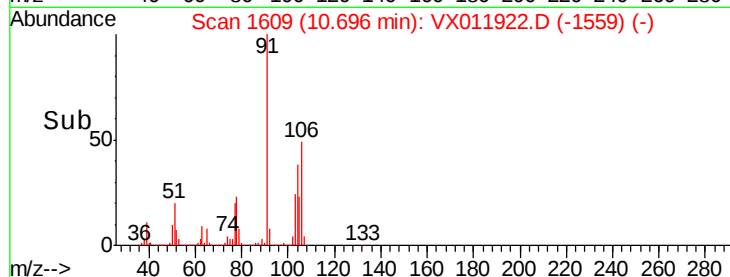
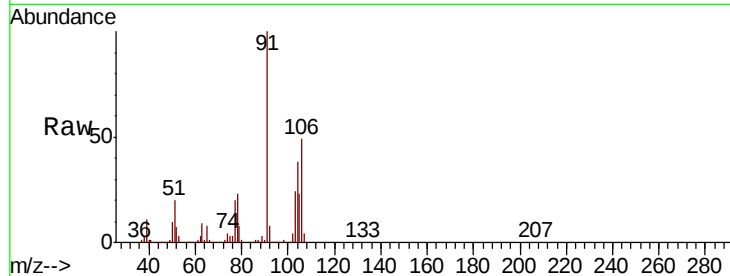
#69
o-Xylene
Concen: 20.484 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	110935		
91	206.9	104.8	314.6		

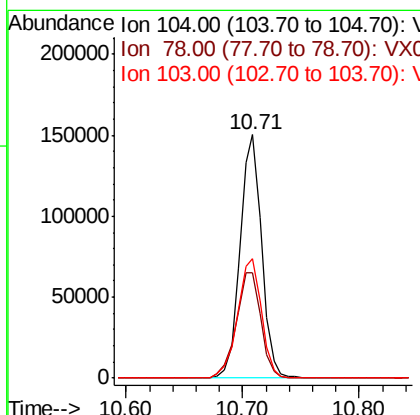
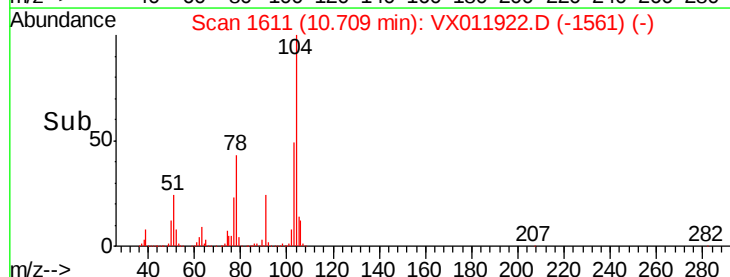
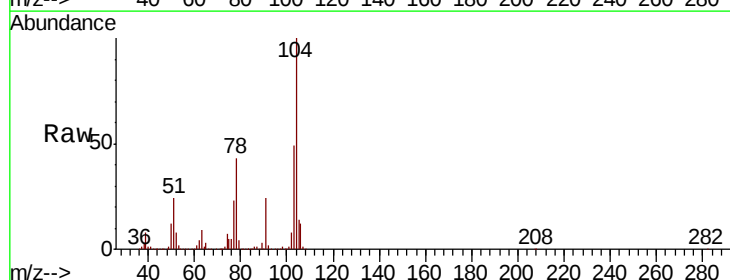
Manual Integrations
APPROVED

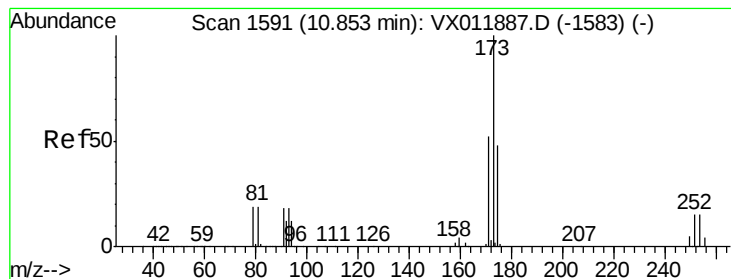
MMDadoda
9/3/2019 2:41:11 AM



#70
Styrene
Concen: 20.336 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	194120		
78	49.9	39.2	58.8		
103	54.5	43.0	64.6		





#71

Bromoform

Concen: 20.524 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:173 Resp: 49657

Ion Ratio Lower Upper

173 100

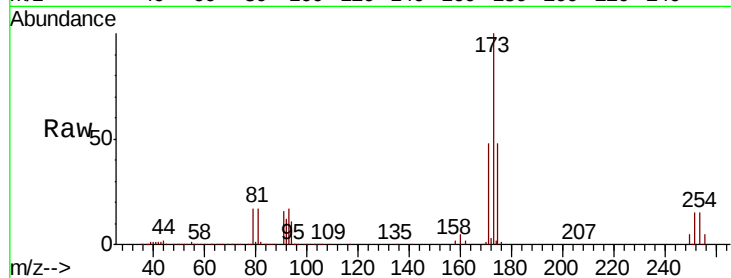
175 48.1 24.4 73.2

254 0.1 0.1 0.1

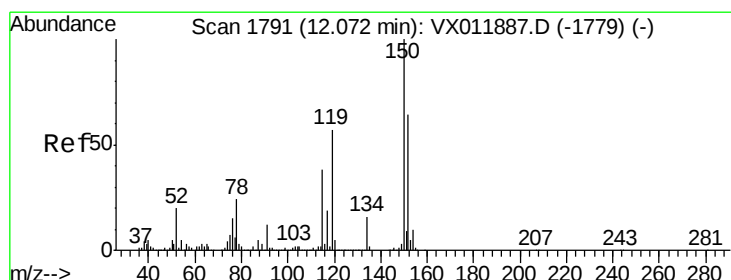
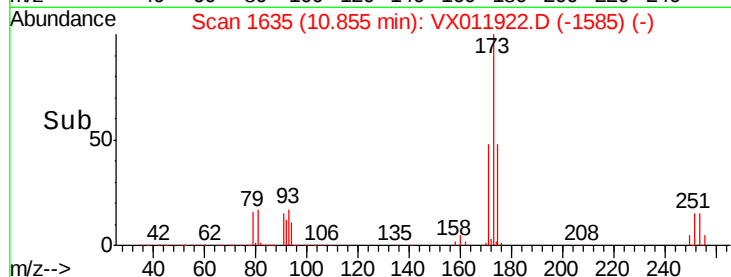
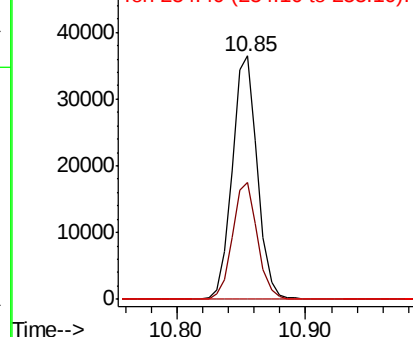
Manual Integrations
APPROVED

MMDadoda

9/3/2019 2:41:11 AM



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: VX011922.D

Acq: 30 Aug 2019 23:04

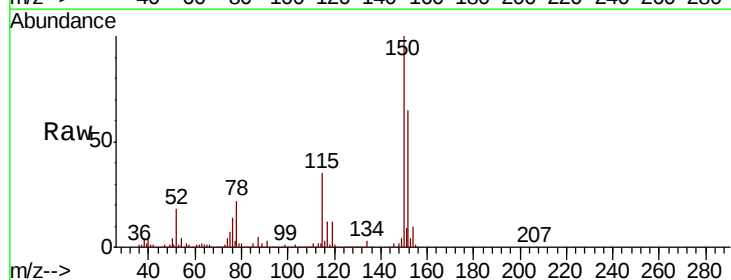
Tgt Ion:152 Resp: 259464

Ion Ratio Lower Upper

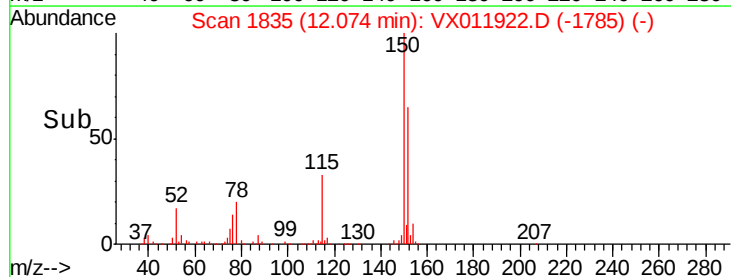
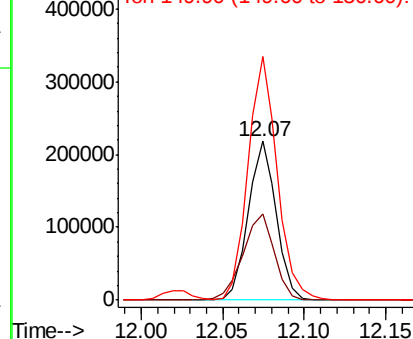
152 100

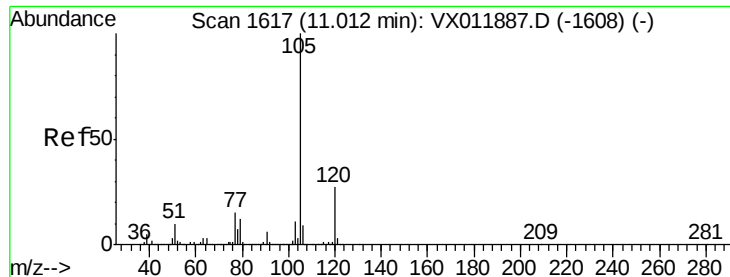
115 61.6 37.1 111.3

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: 19.320 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion: 105 Resp: 288020

Ion Ratio Lower Upper

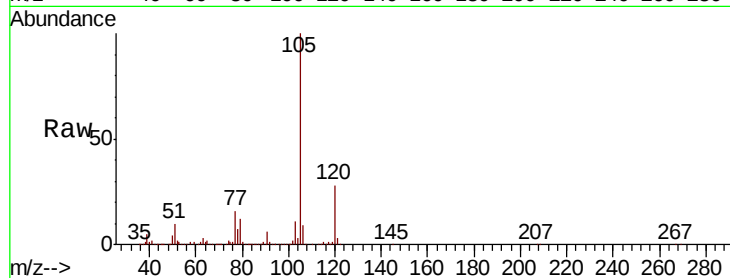
105 100

120 27.7 13.8 41.4

Manual Integrations
APPROVED

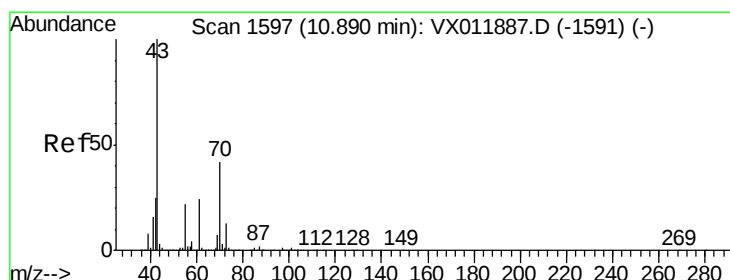
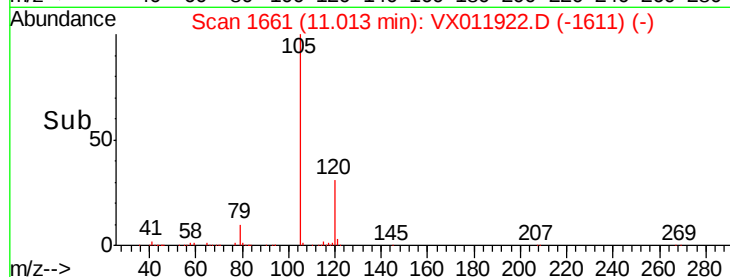
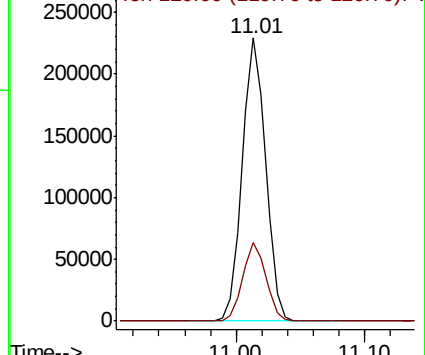
MMDadoda

9/3/2019 2:41:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.316 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion: 43 Resp: 85458

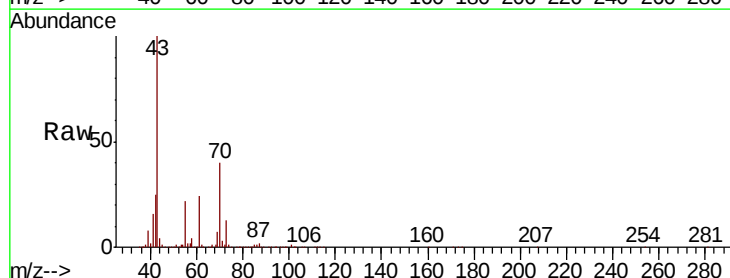
Ion Ratio Lower Upper

43 100

70 41.9 0.2 0.2#

55 23.1 0.1 0.1#

61 24.0 16.4 24.6

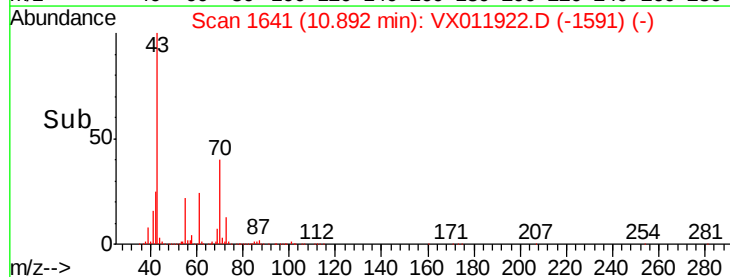
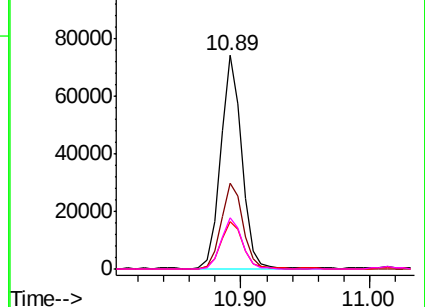


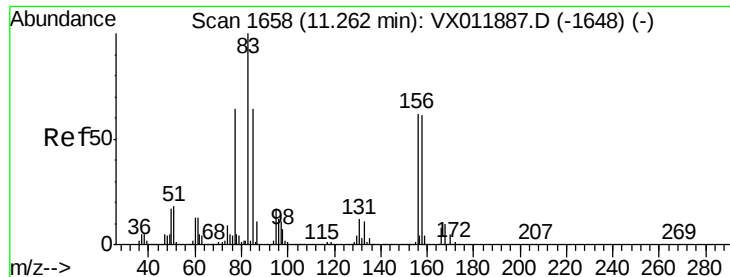
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.852 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

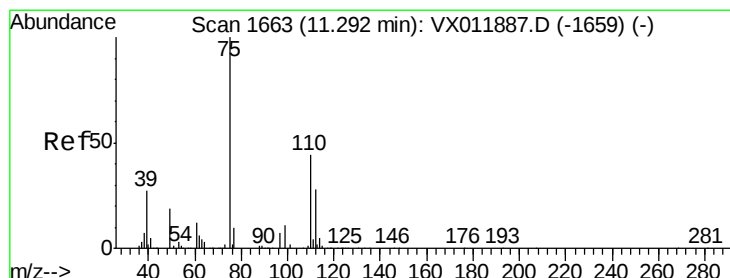
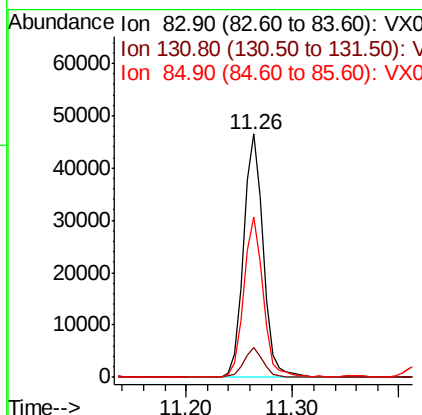
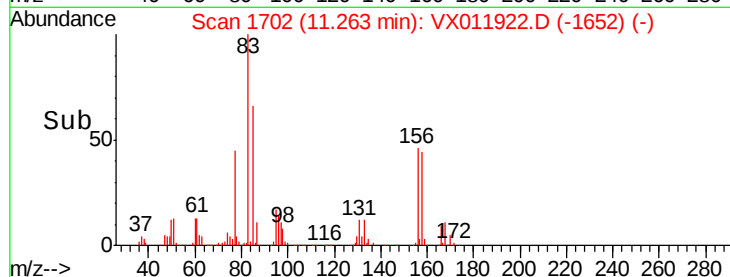
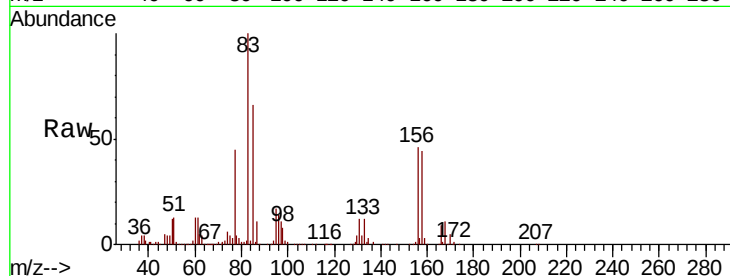
ClientSampleId :

VX0830SBS02

Tot Ion:	83	Resp:	60569
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.0	18.0
85	65.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.787 ug/l m

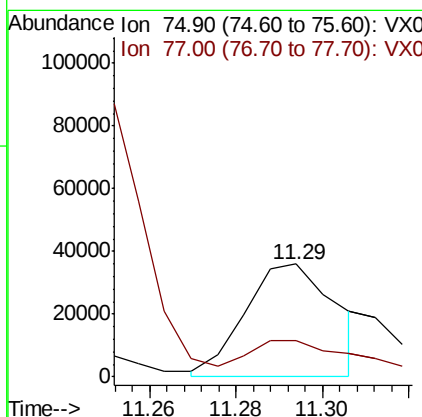
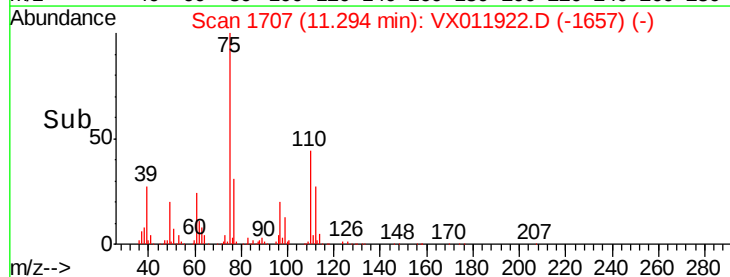
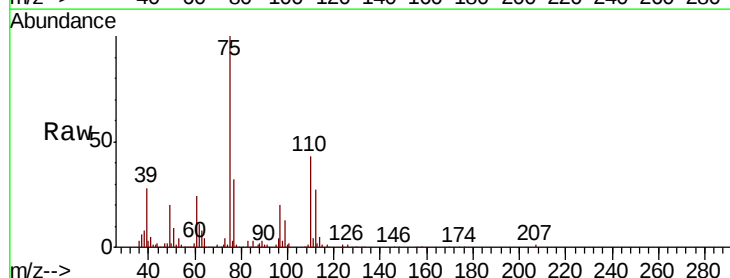
RT: 11.29 min Scan# 1707

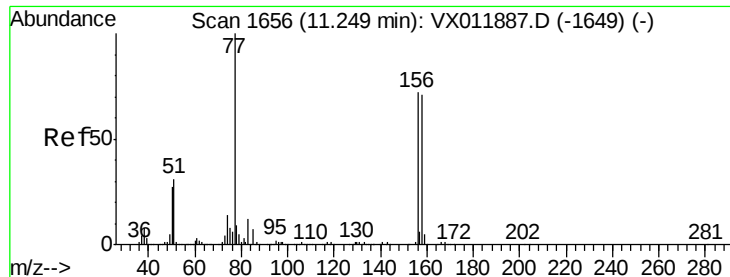
Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Tgt Ion:	75	Resp:	53055
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.9	62.7





#77

Bromobenzene

Concen: 20.075 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:156 Resp: 86801

Ion Ratio Lower Upper

156 100

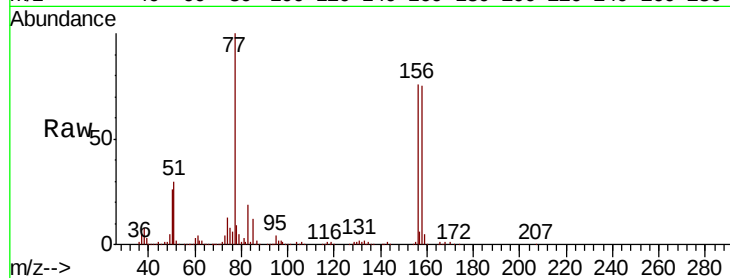
77 135.6 68.1 204.3

158 97.7 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

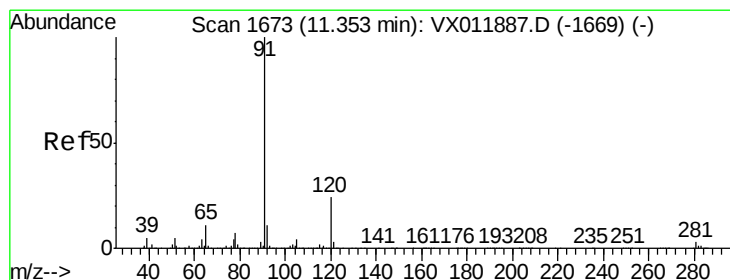
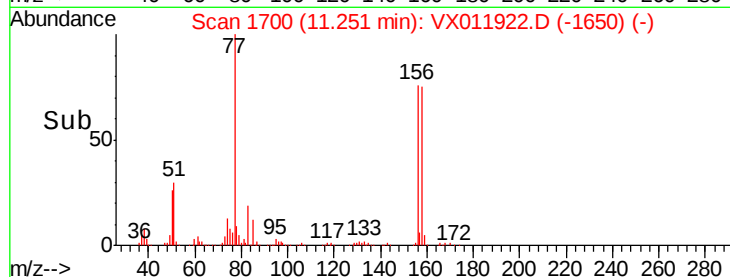
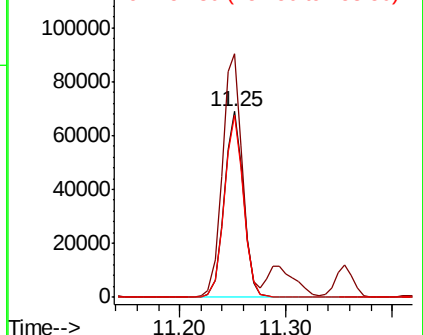
9/3/2019 2:41:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.803 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011922.D

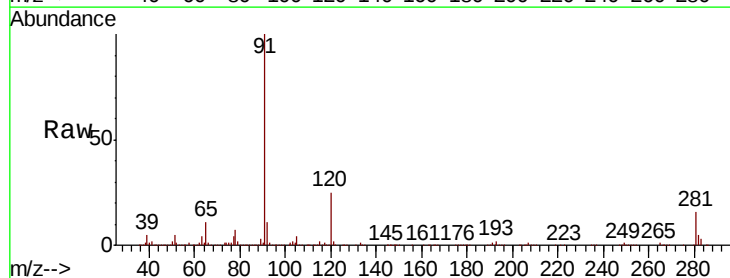
Acq: 30 Aug 2019 23:04

Tgt Ion: 91 Resp: 334784

Ion Ratio Lower Upper

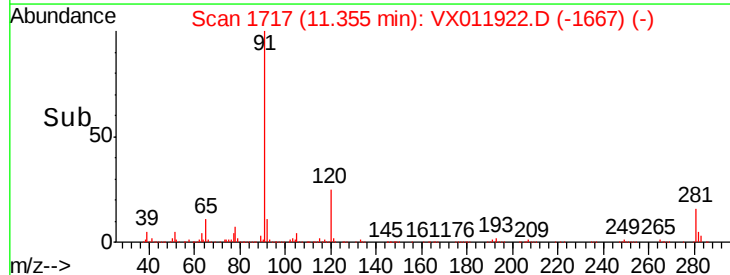
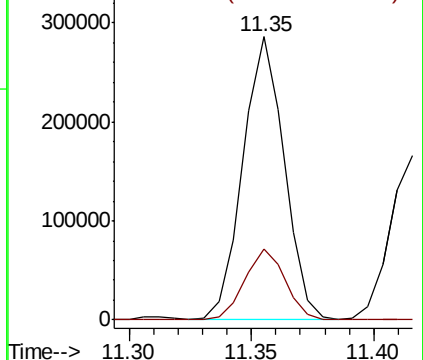
91 100

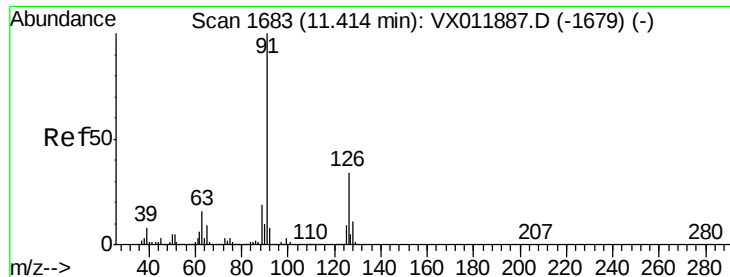
120 25.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





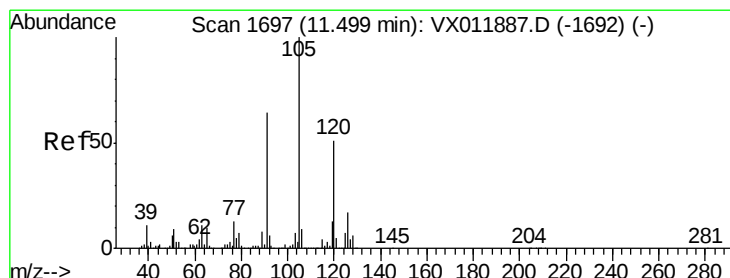
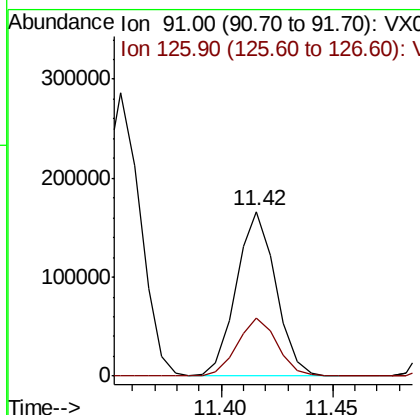
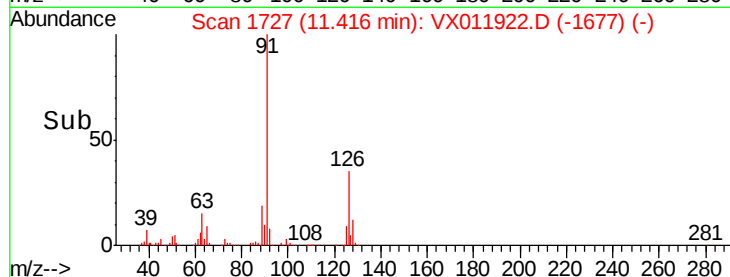
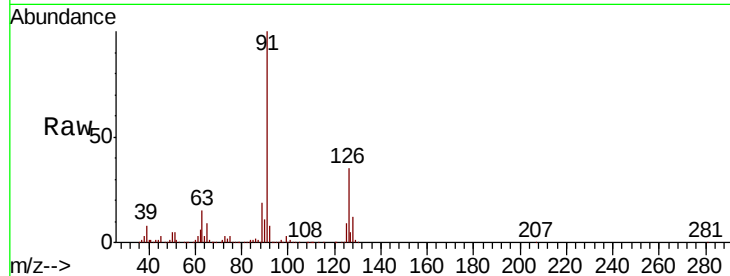
#79
 2-Chlorotoluene
 Concen: 20.078 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion: 91 Resp: 204305
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.8

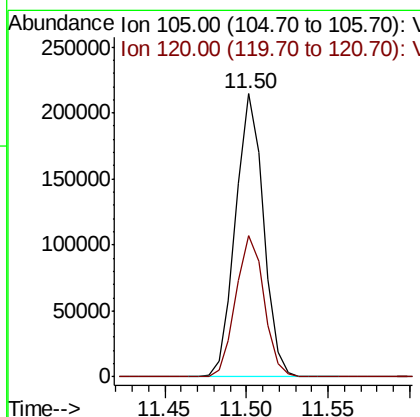
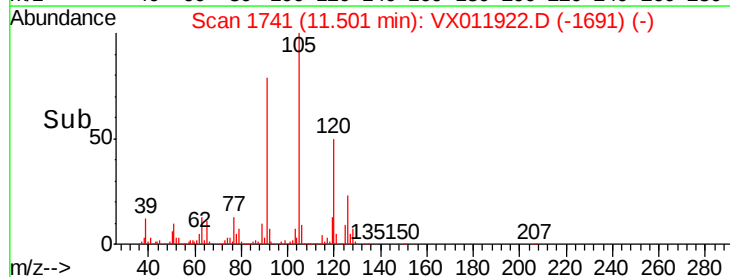
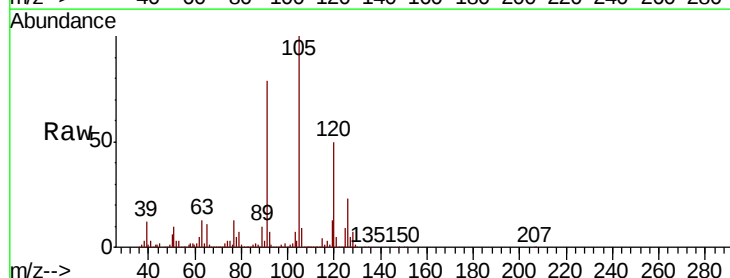
Manual Integrations
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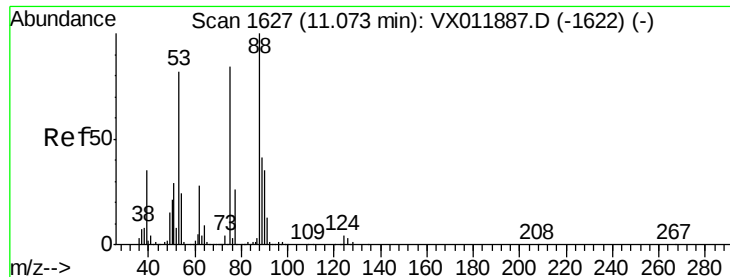
MMDadoda
 9/3/2019 2:41:11 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.887 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion: 105 Resp: 255905
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.3 75.9





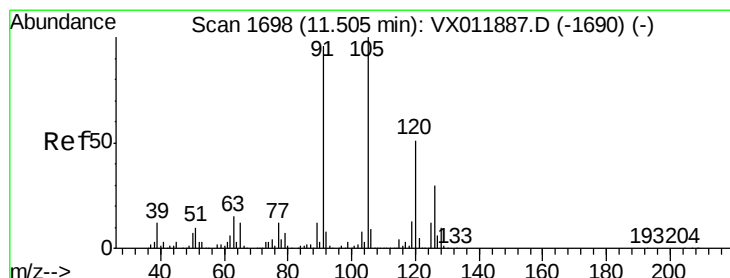
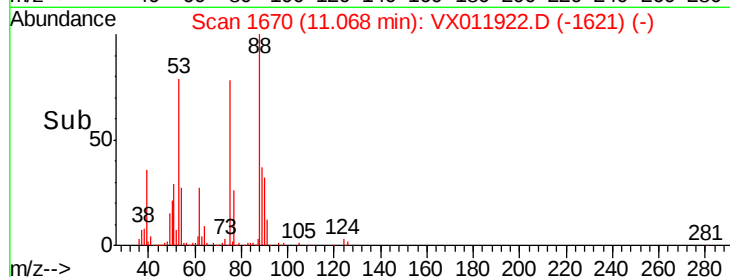
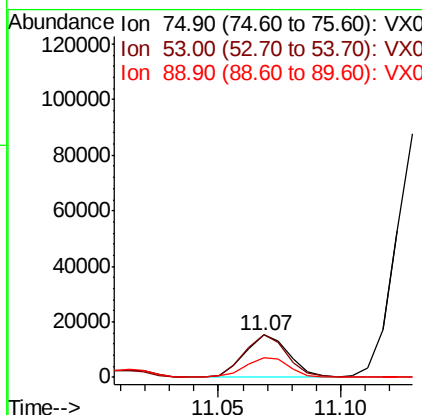
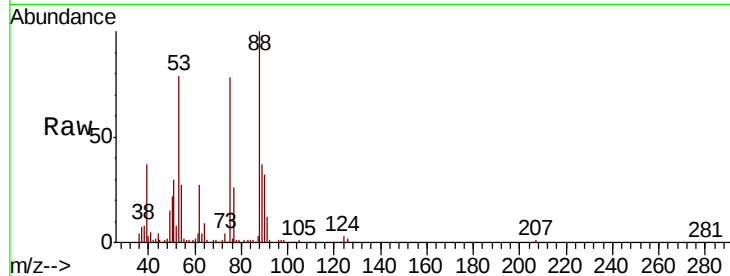
#81
trans-1,4-Dichloro-2-butene
Concen: 18.877 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	77.1	115.7
89	48.3	38.2	57.2

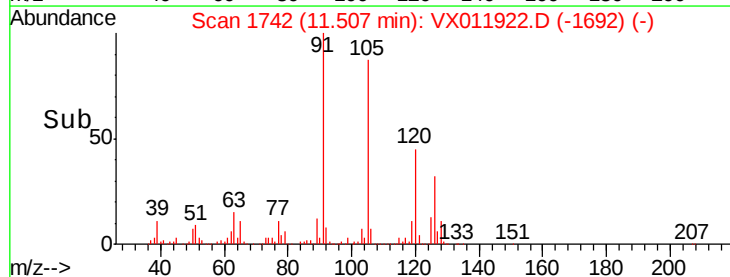
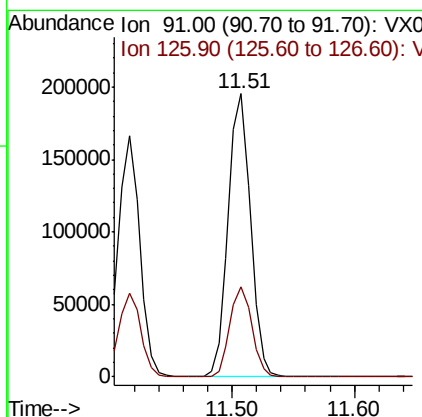
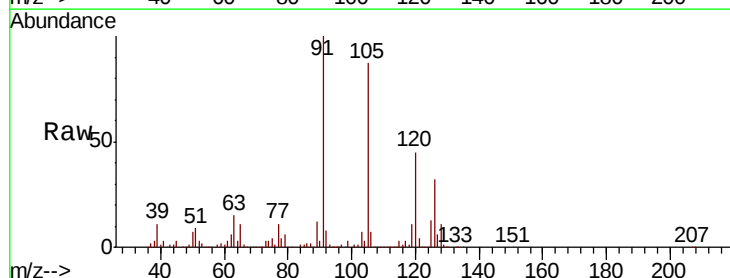
Manual Integrations
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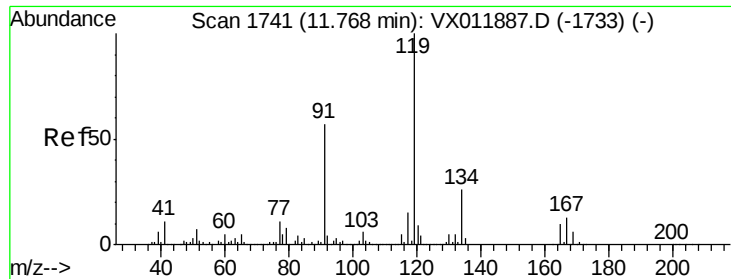
MMDadoda
9/3/2019 2:41:11 AM



#82
4-Chlorotoluene
Concen: 20.049 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





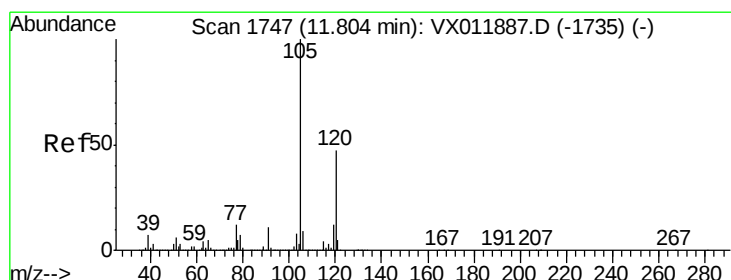
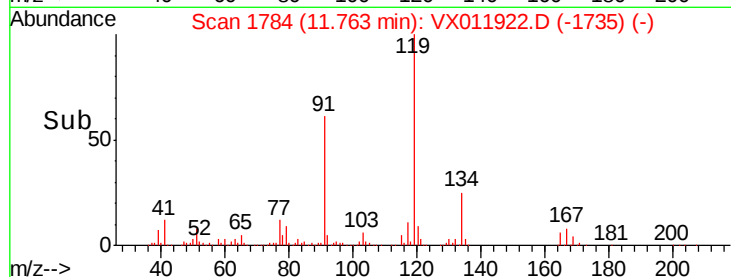
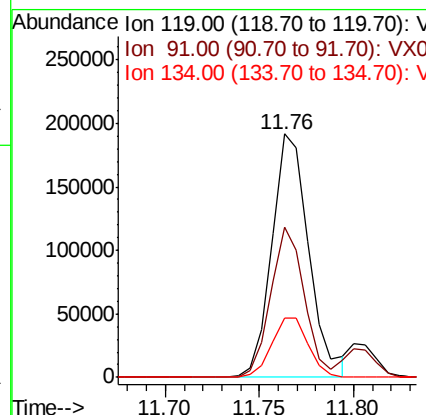
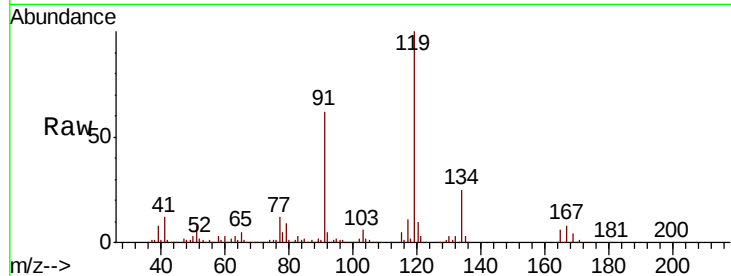
#83
tert-Butylbenzene
Concen: 19.948 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampled :
VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	260462		
91	55.9	27.9	83.6	
134	24.3	12.3	36.8	

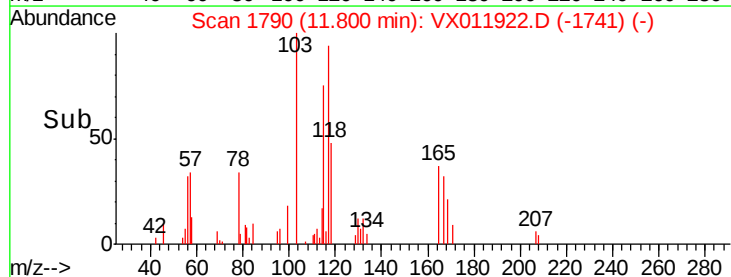
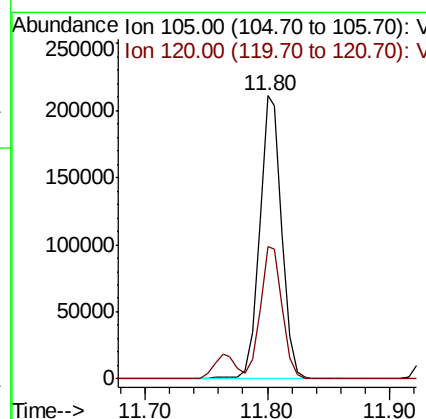
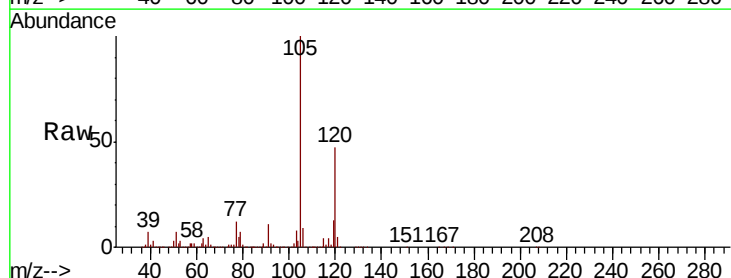
Manual Integrations
APPROVED

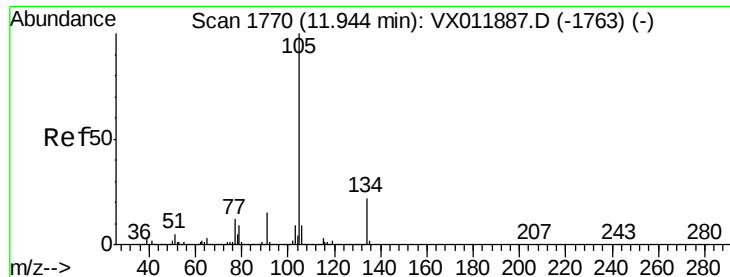
MMDadoda
9/3/2019 2:41:11 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.121 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265347		
120	46.2	23.4	70.3	





#85

sec-Butylbenzene

Concen: 19.670 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

Tot Ion:105 Resp: 298321

Ion Ratio Lower Upper

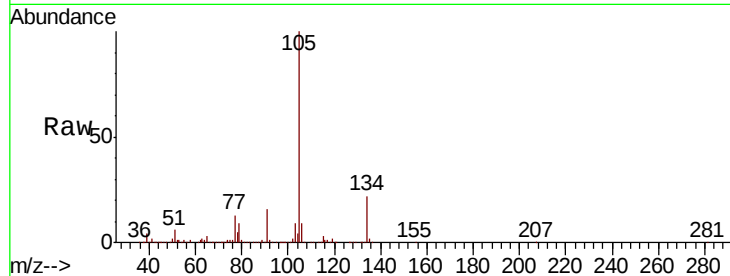
105 100

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

250000

200000

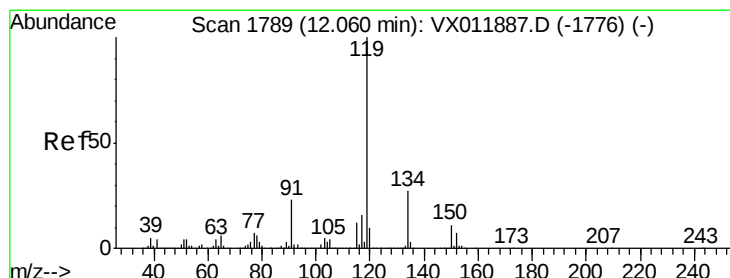
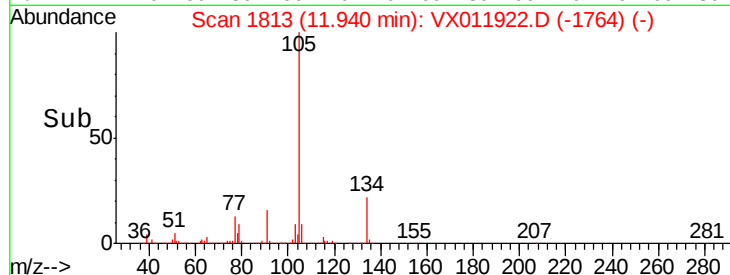
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.635 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011922.D

Acq: 30 Aug 2019 23:04

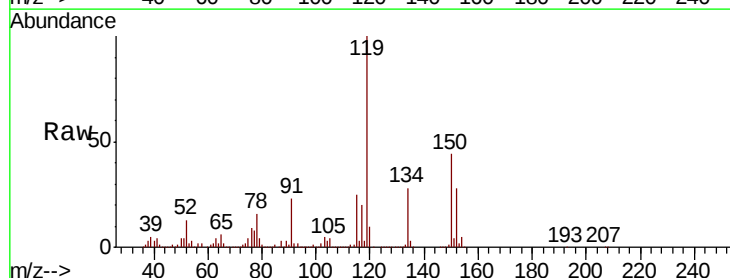
Tgt Ion:119 Resp: 288757

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

91 23.3 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

250000

200000

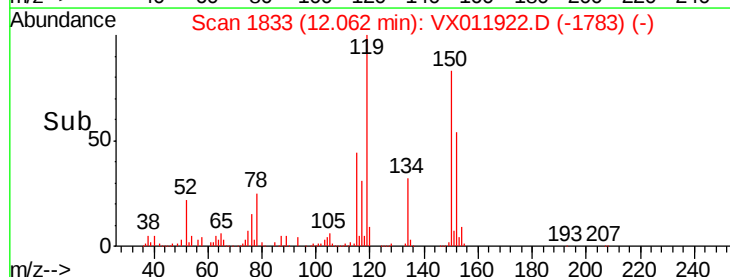
150000

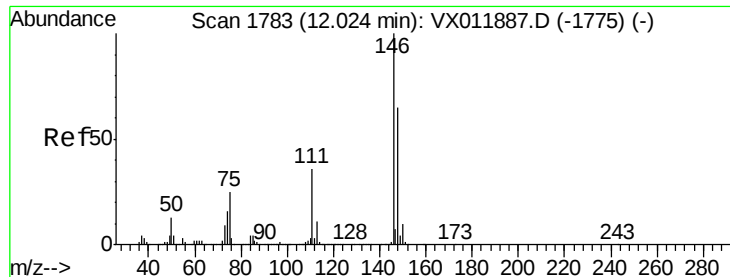
100000

50000

0

Time--> 11.90 12.00 12.10 12.20





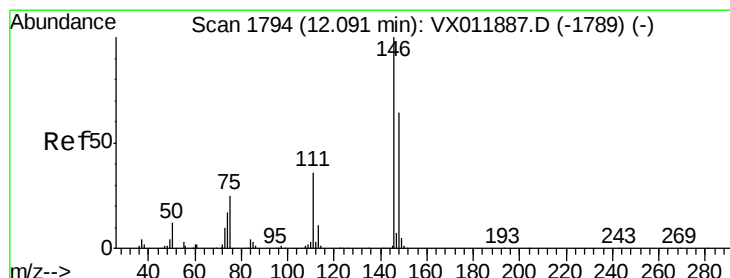
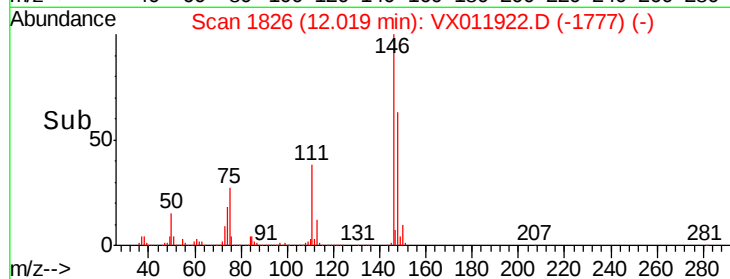
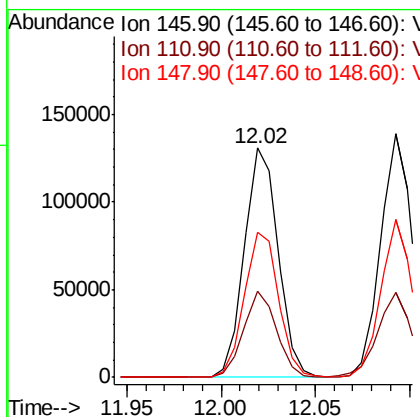
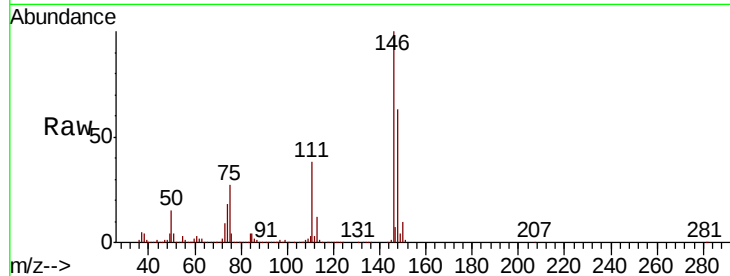
#87
 1,3-Dichlorobenzene
 Concen: 20.317 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	64.2	32.1	96.5

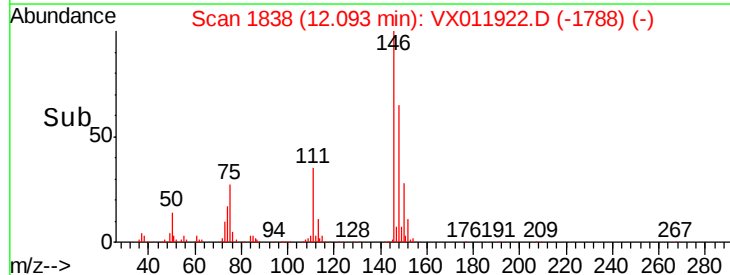
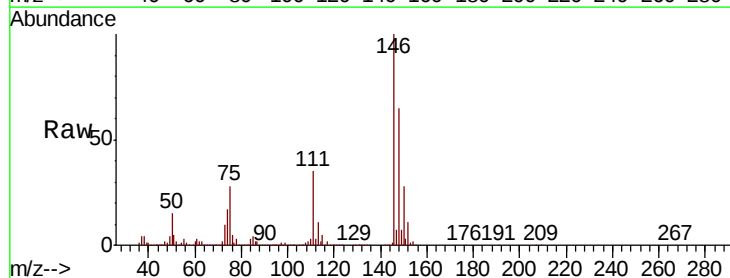
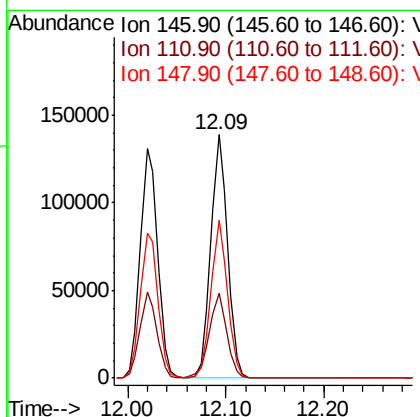
Manual Integrations
 APPROVED

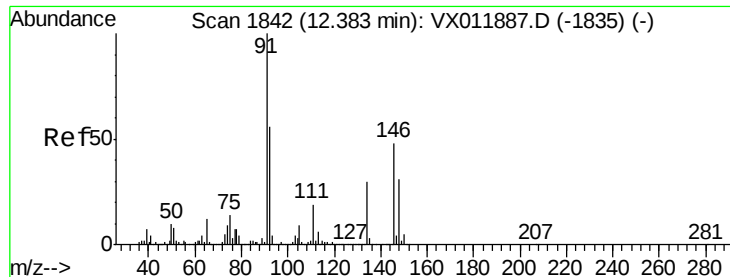
MMDadoda
 9/3/2019 2:41:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.388 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.7
148	64.3	32.4	97.0





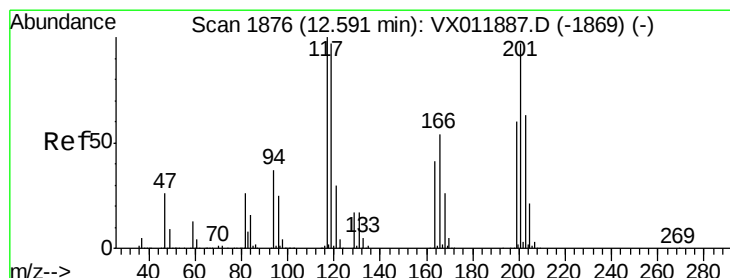
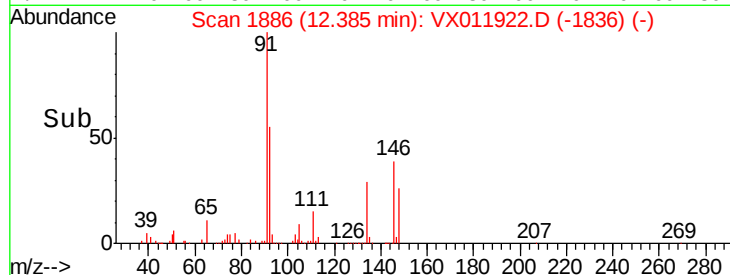
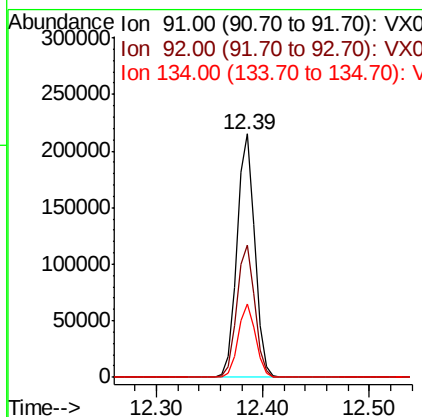
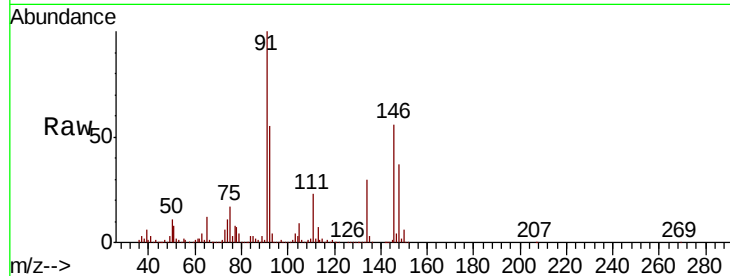
#89
n-Butylbenzene
Concen: 19.433 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.6	82.8
134	29.6	14.8	44.3

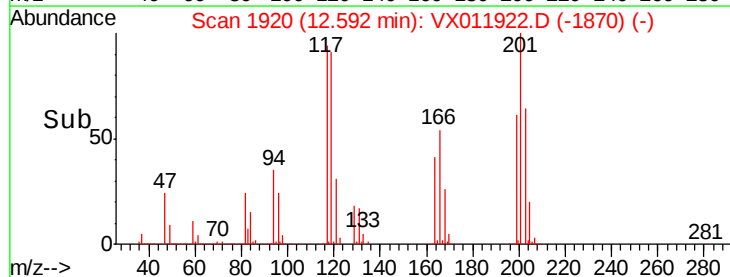
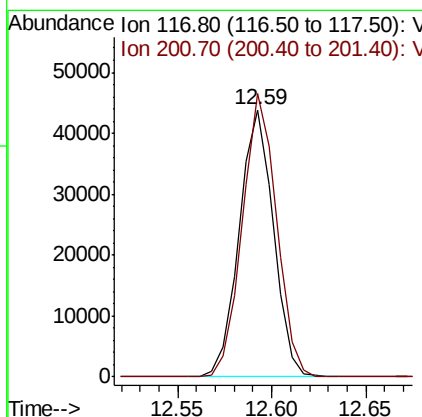
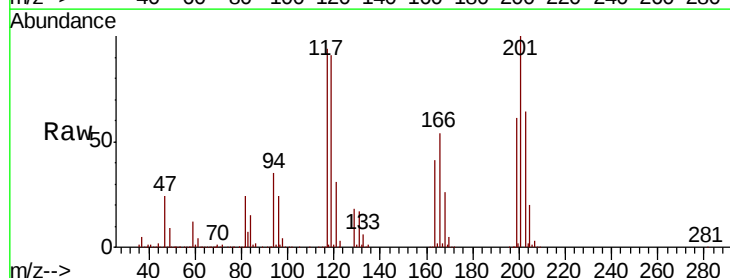
Manual Integrations
APPROVED

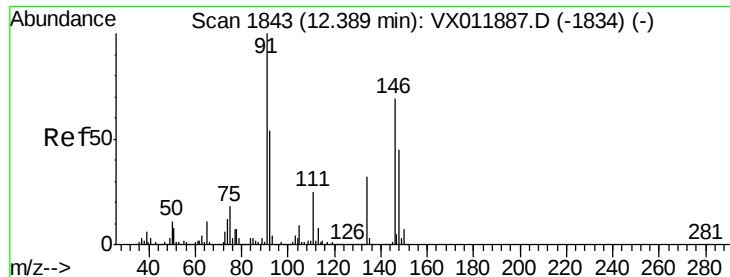
MMDadoda
9/3/2019 2:41:11 AM



#90
Hexachloroethane
Concen: 19.391 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.0	52.8	158.5





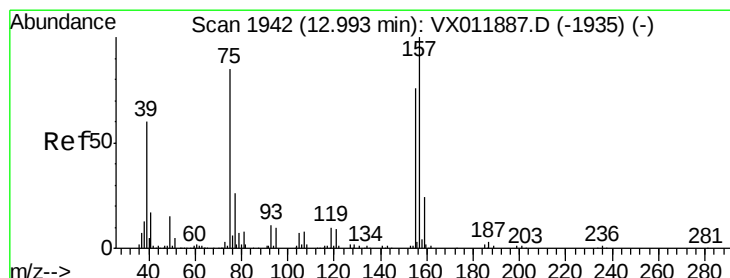
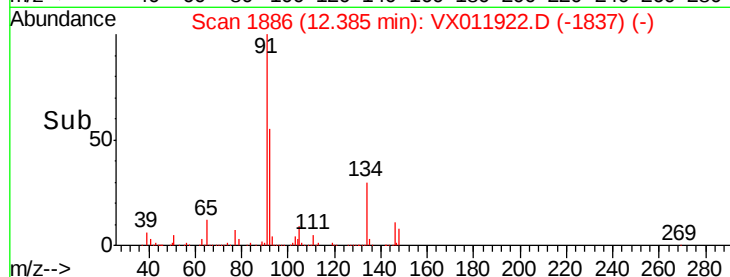
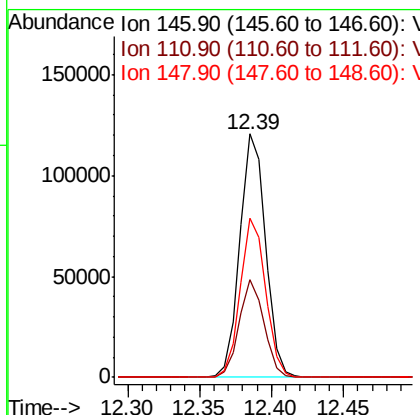
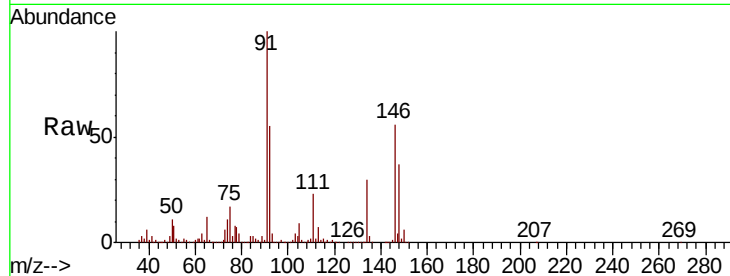
#91
 1,2-Dichlorobenzene
 Concen: 20.087 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150067		
111	38.8	18.9	56.5	
148	64.6	32.1	96.3	

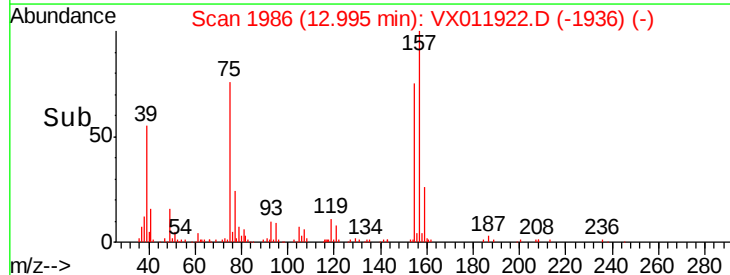
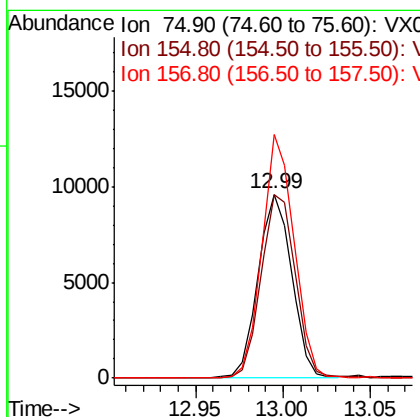
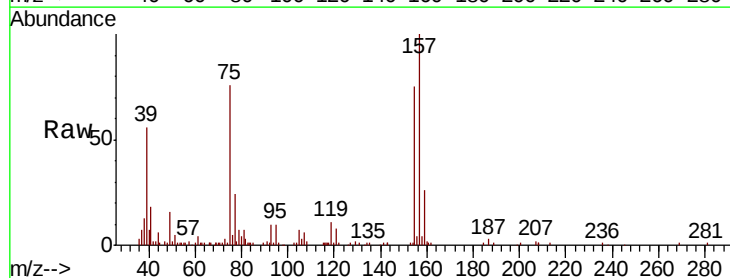
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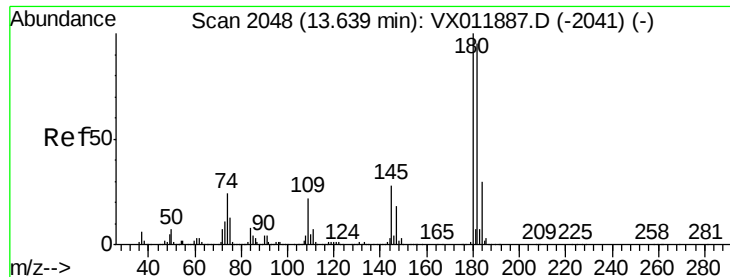
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.125 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12839		
155	101.5	50.1	150.4	
157	126.3	63.9	191.7	





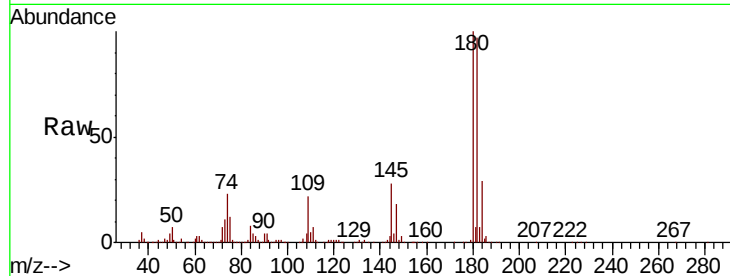
#93
 1,2,4-Trichlorobenzene
 Concen: 20.186 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX0830SBS02

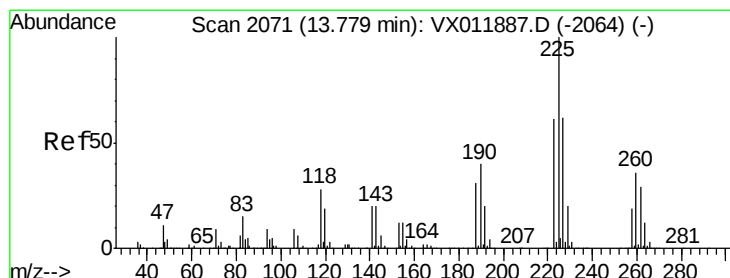
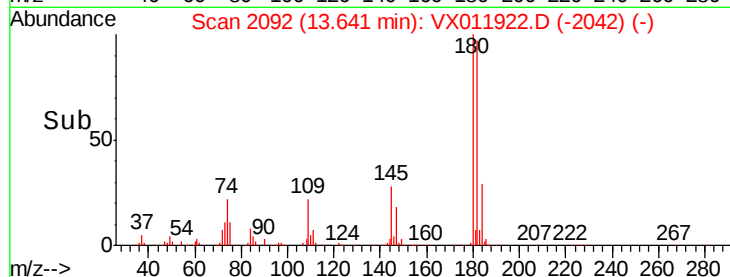
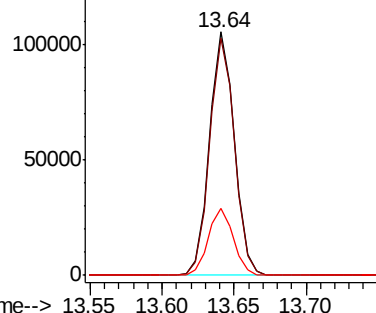
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126985		
182	97.0	48.1	144.4	
145	27.9	13.8	41.3	

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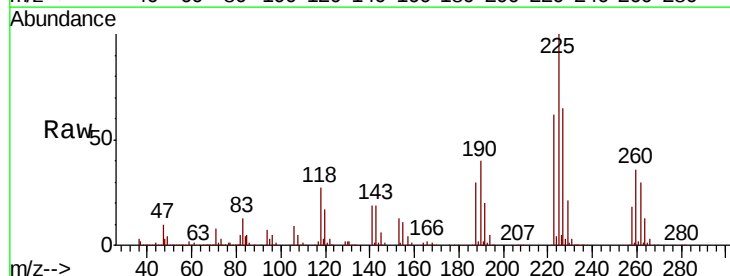


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

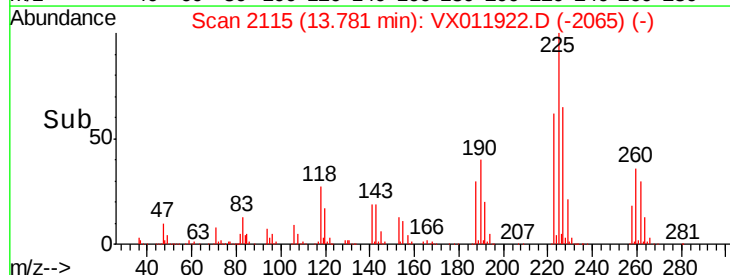
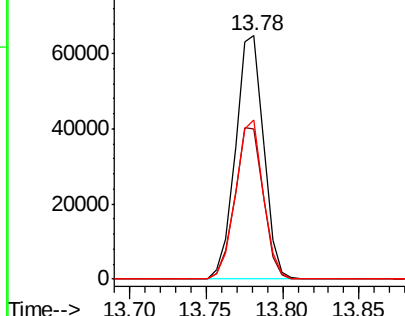


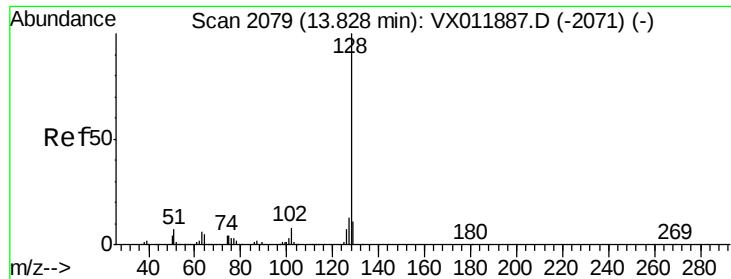
#94
 Hexachlorobutadiene
 Concen: 19.552 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011922.D
 Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82140		
223	62.7	30.8	92.3	
227	63.9	31.9	95.7	



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





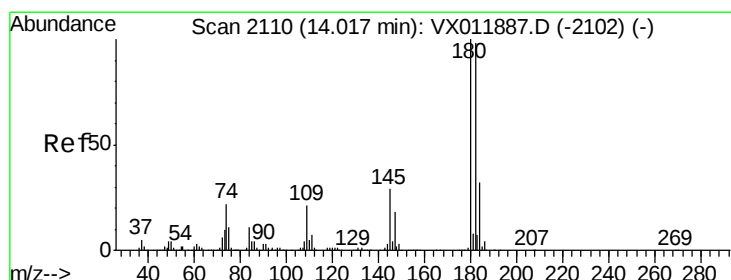
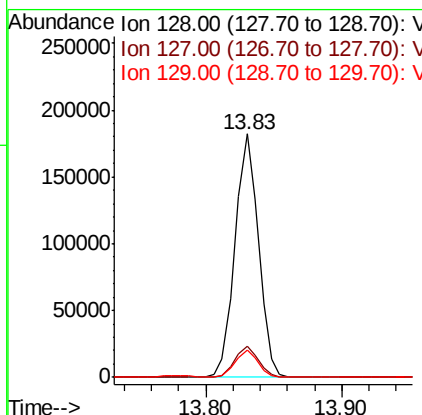
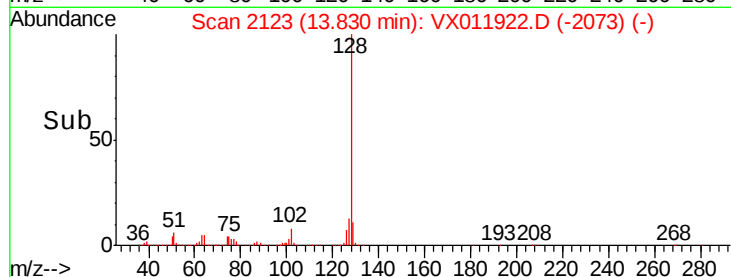
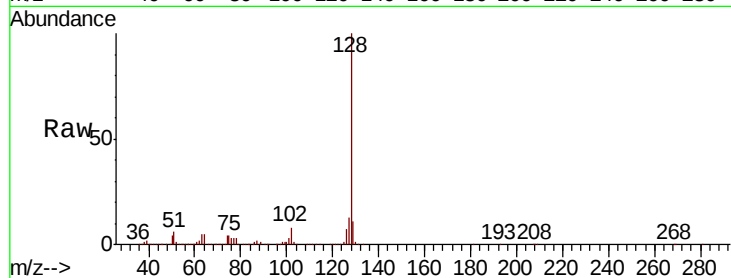
#95
Naphthalene
Concen: 20.318 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	219364		
127	13.0		10.4	15.6
129	11.0		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 20.612 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX011922.D
Acq: 30 Aug 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117256		
182	95.5		48.3	144.8
145	28.8		14.6	43.8

