

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012478.D
 Acq On : 18 Sep 2019 16:57
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Quant Time: Sep 19 06:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	203236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	337432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	141945	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	142733	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	103139	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	371752	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.14	95	150159	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	22606	16.933	ug/l	93
3) Chloromethane	1.32	50	19318	17.289	ug/l	99
4) Vinyl Chloride	1.40	62	21508	17.810	ug/l	97
5) Bromomethane	1.63	94	11064	23.320	ug/l	98
6) Chloroethane	1.72	64	15240	16.127	ug/l	95
7) Trichlorofluoromethane	1.92	101	40020	18.078	ug/l	99
8) Diethyl Ether	2.18	74	17307	17.309	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29046	18.134	ug/l	99
10) Methyl Iodide	2.50	142	21945	18.989	ug/l	99
11) Tert butyl alcohol	3.03	59	63581	82.133	ug/l	100
12) 1,1-Dichloroethene	2.36	96	23454	18.356	ug/l	97
13) Acrolein	2.28	56	17174	65.908	ug/l	98
14) Allyl chloride	2.72	41	51441	17.292	ug/l	99
15) Acrylonitrile	3.13	53	112948	89.484	ug/l	99
16) Acetone	2.43	43	123648	87.738	ug/l	99
17) Carbon Disulfide	2.56	76	26946	16.179	ug/l	96
18) Methyl Acetate	2.76	43	53809	17.728	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	123916	17.787	ug/l	100
20) Methylene Chloride	2.84	84	31246	17.725	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	23909	18.019	ug/l	94
22) Diisopropyl ether	3.84	45	122653	17.609	ug/l	99
23) Vinyl Acetate	3.80	43	511754	89.316	ug/l	100
24) 1,1-Dichloroethane	3.69	63	60378	18.117	ug/l	98
25) 2-Butanone	4.66	43	172149	85.202	ug/l	98
26) 2,2-Dichloropropane	4.58	77	56463	17.227	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	35734	18.028	ug/l	99
28) Bromochloromethane	5.00	49	32174	18.727	ug/l	96
29) Tetrahydrofuran	5.12	42	101080	90.558	ug/l	98
30) Chloroform	5.20	83	67242	17.569	ug/l	98
31) Cyclohexane	5.58	56	36245	18.017	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	56882	17.782	ug/l	99
36) 1,1-Dichloropropene	5.79	75	36103	17.605	ug/l	95
37) Ethyl Acetate	4.83	43	59036	18.754	ug/l	97
38) Carbon Tetrachloride	5.78	117	45325	17.771	ug/l	96

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Quant Time: Sep 19 06:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36545	18.331	ug/l	95
40) Benzene	6.14	78	119877	18.382	ug/l	97
41) Methacrylonitrile	5.03	41	34289	16.917	ug/l	97
42) 1,2-Dichloroethane	6.18	62	54758	18.104	ug/l	100
43) Isopropyl Acetate	6.43	43	100386	17.768	ug/l	99
44) Trichloroethene	7.21	130	32302	18.830	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36473	18.204	ug/l	97
46) Dibromomethane	7.65	93	23537	18.154	ug/l	97
47) Bromodichloromethane	7.89	83	50210	17.393	ug/l	98
48) Methyl methacrylate	7.76	41	45585	17.116	ug/l	97
49) 1,4-Dioxane	7.73	88	22426	345.972	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	326596	88.146	ug/l	97
52) Toluene	8.78	92	79627	18.949	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	51927	17.304	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54817	17.645	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	40151	18.546	ug/l	96
56) Ethyl methacrylate	9.17	69	59852	17.682	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64339	18.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175489	100.158	ug/l	99
59) 2-Hexanone	9.48	43	254455	88.027	ug/l	98
60) Dibromochloromethane	9.58	129	39472	17.900	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36919	18.672	ug/l	97
64) Tetrachloroethene	9.33	164	28988	21.309	ug/l	92
65) Chlorobenzene	10.14	112	89828	18.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	38318	18.843	ug/l	99
67) Ethyl Benzene	10.25	91	157282	18.684	ug/l	100
68) m/p-Xylenes	10.35	106	115507	37.711	ug/l	100
69) o-Xylene	10.70	106	60415	19.180	ug/l	99
70) Styrene	10.71	104	104795	18.803	ug/l	100
71) Bromoform	10.85	173	26187	16.968	ug/l #	97
73) Isopropylbenzene	11.01	105	166180	18.659	ug/l	99
74) N-amyl acetate	10.89	43	85130	17.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	63595	18.203	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	73198	22.449	ug/l	87
77) Bromobenzene	11.25	156	42400	19.521	ug/l	97
78) n-propylbenzene	11.35	91	183566	18.493	ug/l	98
79) 2-Chlorotoluene	11.42	91	120187	18.612	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	143696	18.918	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18063	17.363	ug/l	92
82) 4-Chlorotoluene	11.51	91	139777	18.860	ug/l	100
83) tert-Butylbenzene	11.77	119	147195	18.085	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	146253	18.753	ug/l	99
85) sec-Butylbenzene	11.94	105	164105	18.298	ug/l	98
86) p-Isopropyltoluene	12.06	119	151274	18.369	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	76425	18.705	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	80290	19.130	ug/l	100
89) n-Butylbenzene	12.39	91	130215	17.721	ug/l	99
90) Hexachloroethane	12.59	117	25071	16.603	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	80651	18.886	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15675	17.306	ug/l	97

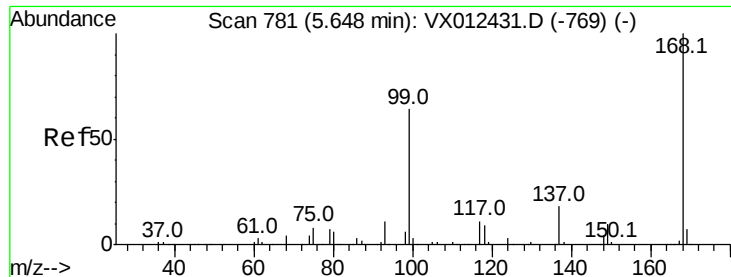
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
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Operator : JC/SP
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Instrument :
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ClientSampleId :
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Quant Time: Sep 19 06:02:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51153	18.597	ug/l	98
94) Hexachlorobutadiene	13.78	225	21820	16.831	ug/l	97
95) Naphthalene	13.83	128	187421	19.149	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	52829	18.847	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

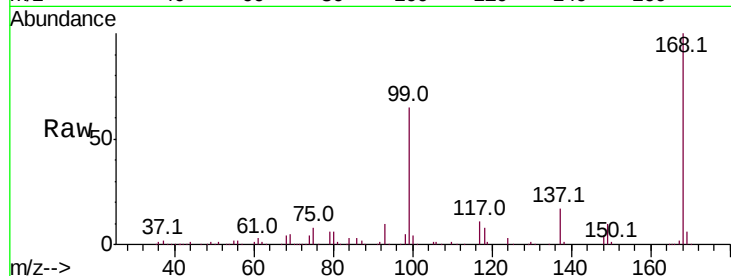
VX0918WBSD01

Tot Ion:168 Resp: 203236

Ion Ratio Lower Upper

168 100

99 65.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

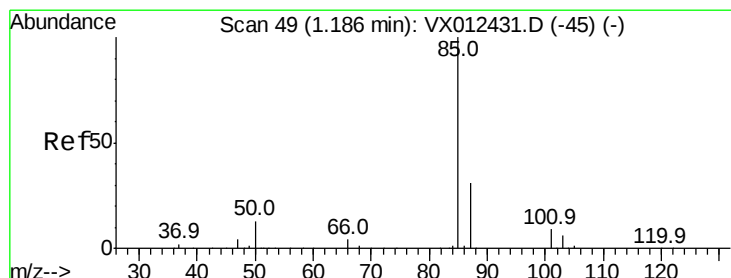
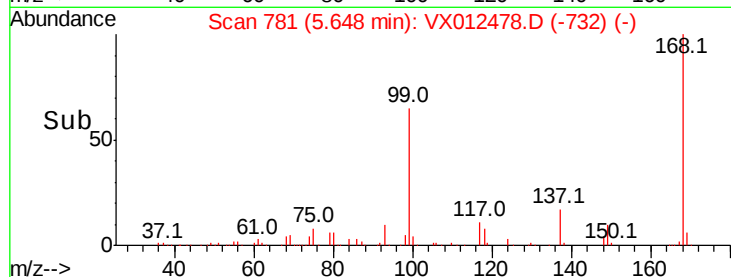
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.933 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012478.D

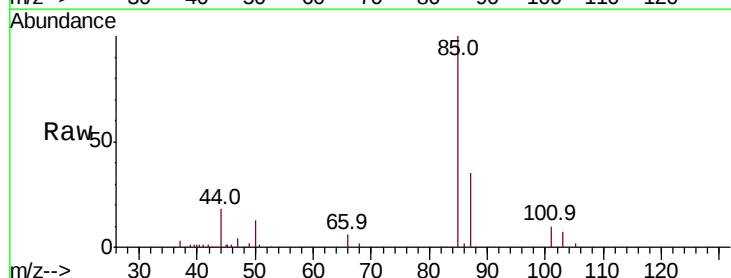
Acq: 18 Sep 2019 16:57

Tgt Ion: 85 Resp: 22606

Ion Ratio Lower Upper

85 100

87 35.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

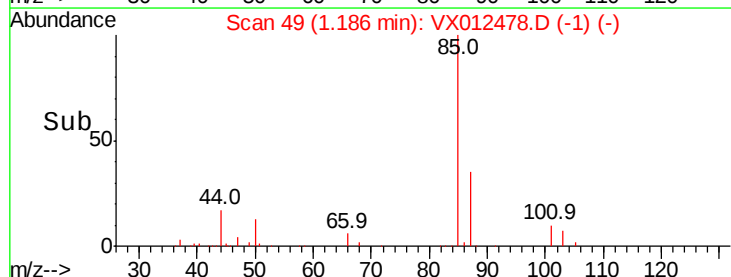
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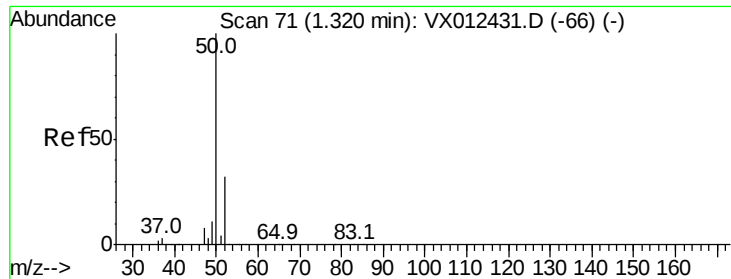
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.289 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

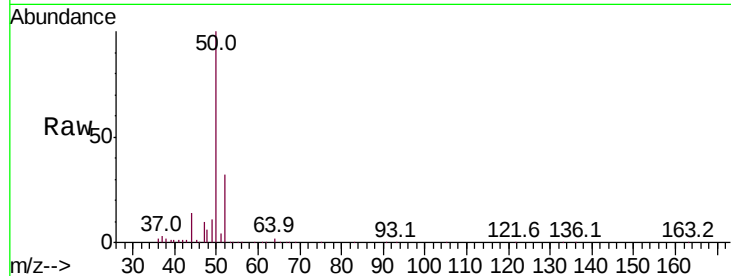
VX0918WBSD01

Tot Ion: 50 Resp: 19318

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

20000

15000

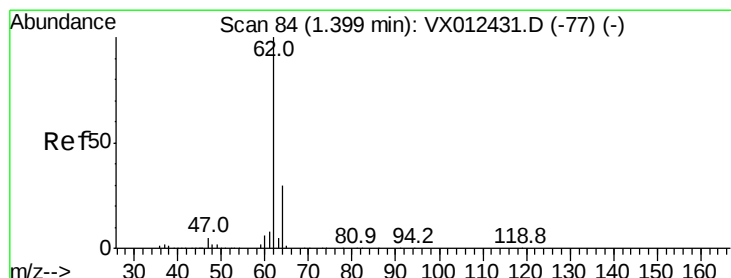
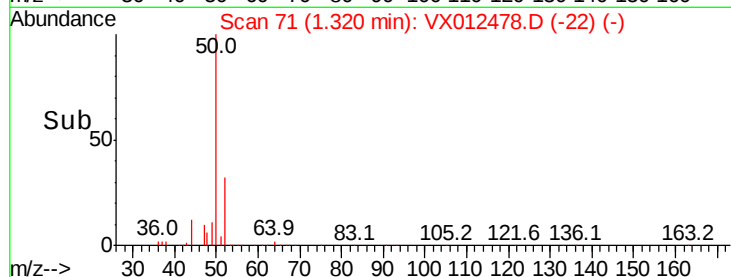
10000

5000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 17.810 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012478.D

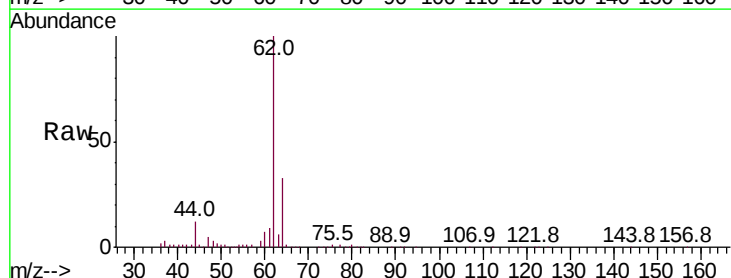
Acq: 18 Sep 2019 16:57

Tgt Ion: 62 Resp: 21508

Ion Ratio Lower Upper

62 100

64 31.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

20000

15000

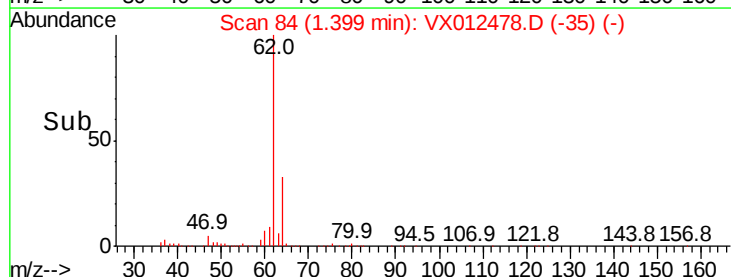
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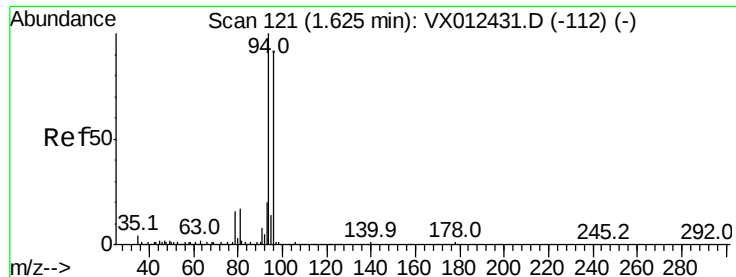
5000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 23.320 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

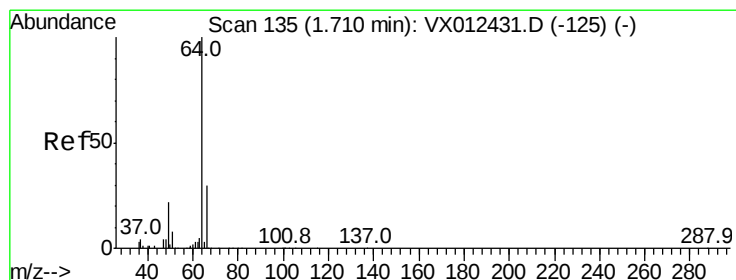
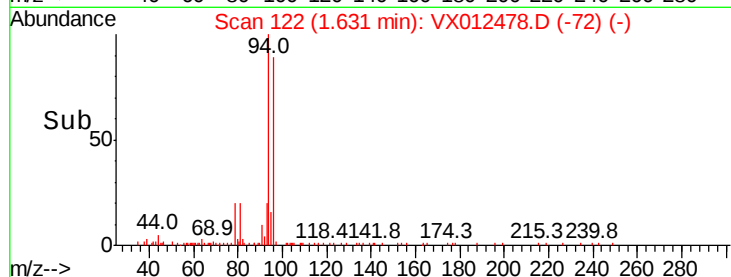
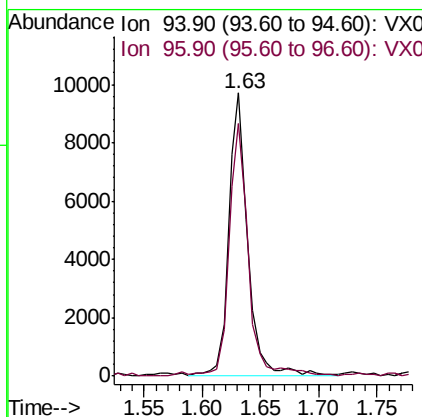
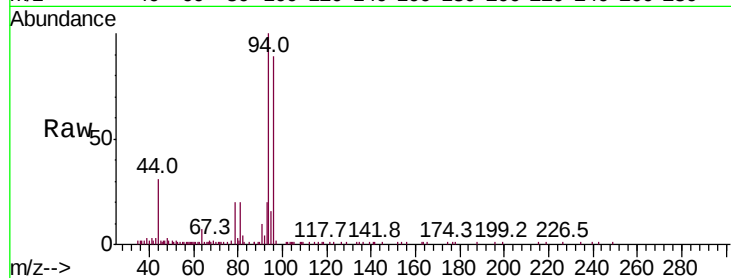
VX0918WBSD01

Tot Ion: 94 Resp: 11064

Ion Ratio Lower Upper

94 100

96 89.2 72.8 109.2



#6

Chloroethane

Concen: 16.127 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012478.D

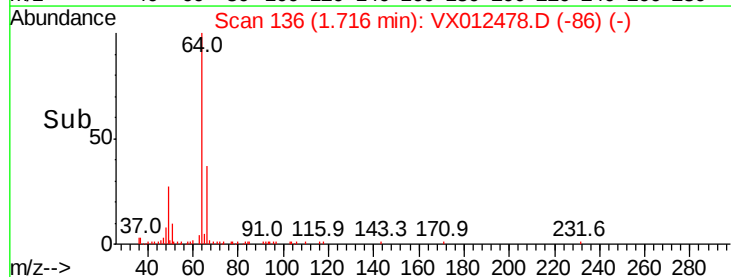
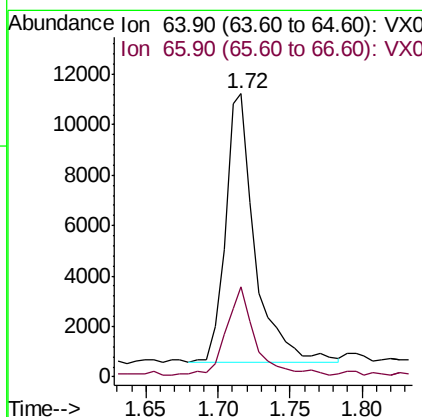
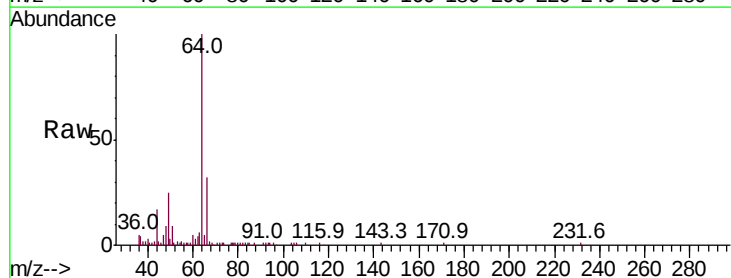
Acq: 18 Sep 2019 16:57

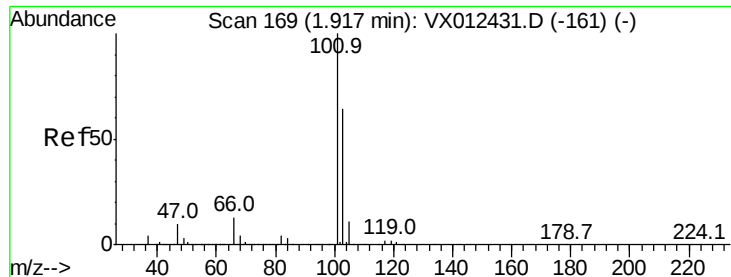
Tgt Ion: 64 Resp: 15240

Ion Ratio Lower Upper

64 100

66 32.5 24.0 36.0



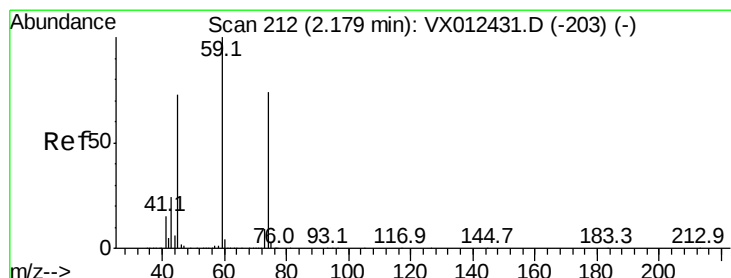
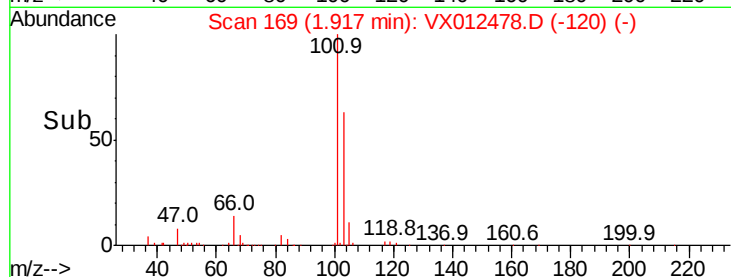
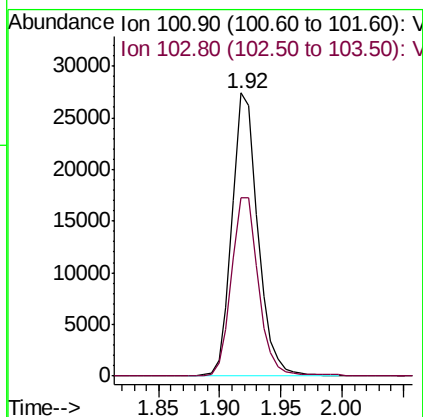
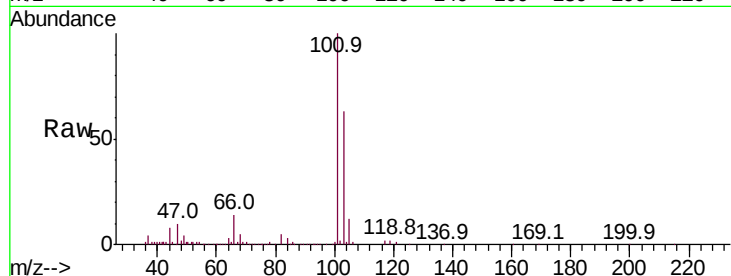


#7

Trichlorofluoromethane
 Concen: 18.078 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

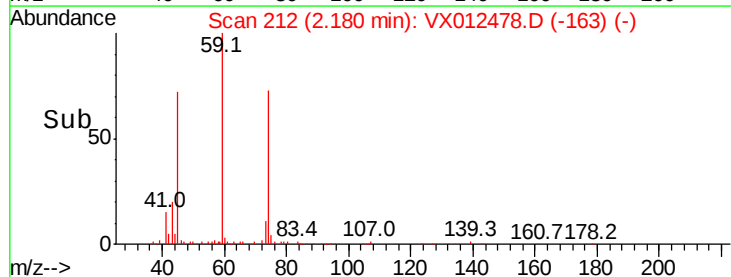
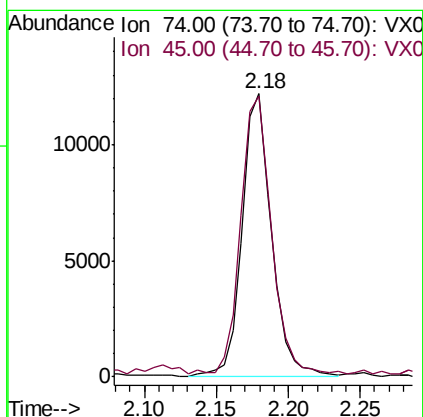
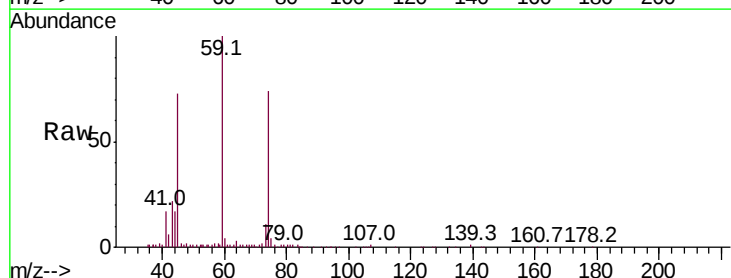
Tot Ion:101 Resp: 40020
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.0 76.4

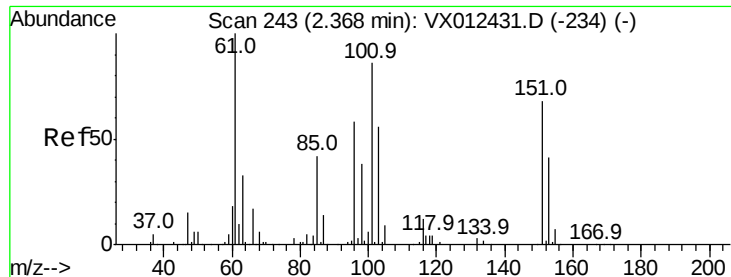


#8

Diethyl Ether
 Concen: 17.309 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion: 74 Resp: 17307
 Ion Ratio Lower Upper
 74 100
 45 101.5 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.134 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

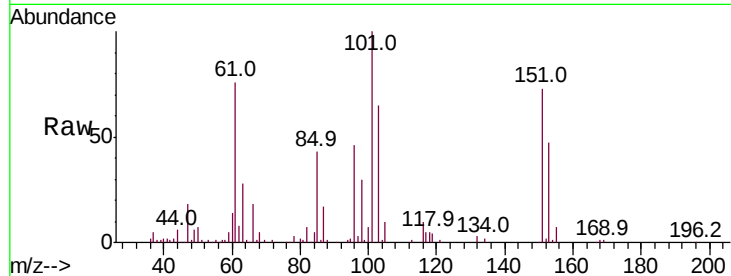
Tot Ion:101 Resp: 29046

Ion Ratio Lower Upper

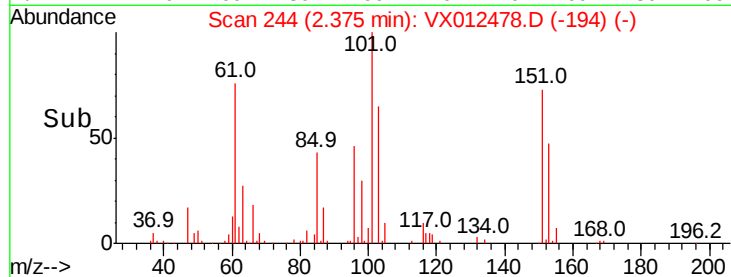
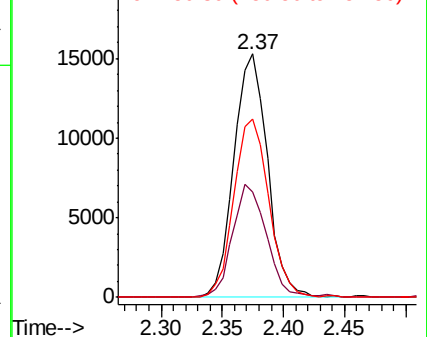
101 100

85 47.6 37.3 55.9

151 76.3 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.989 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

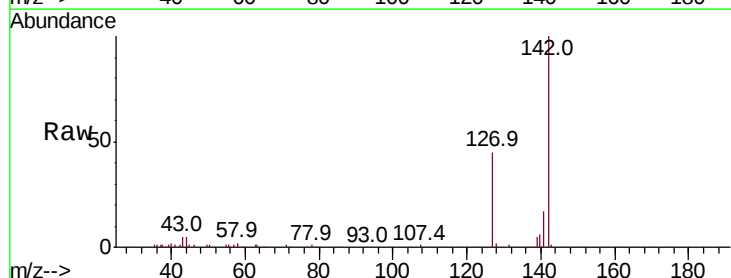
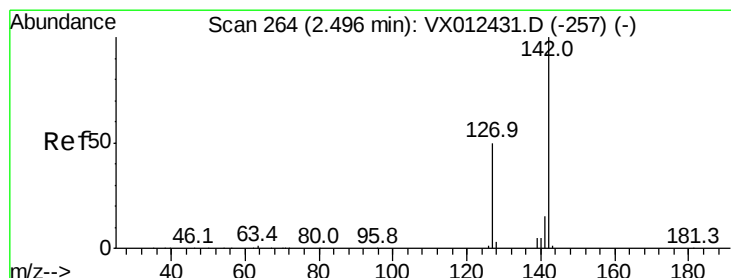
Tgt Ion:142 Resp: 21945

Ion Ratio Lower Upper

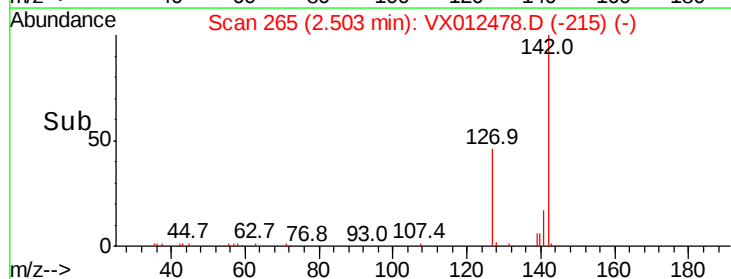
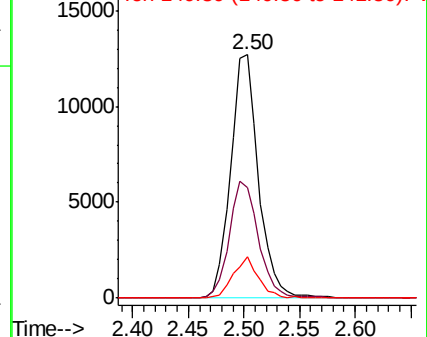
142 100

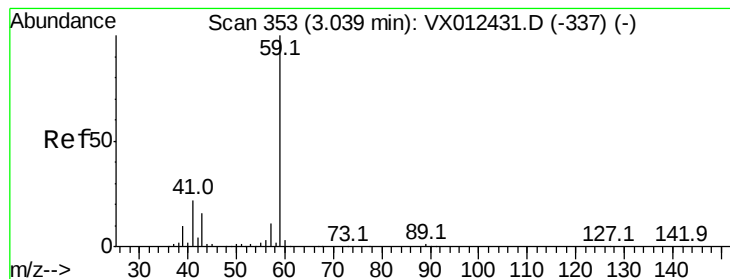
127 50.6 40.8 61.2

141 15.2 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 82.133 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

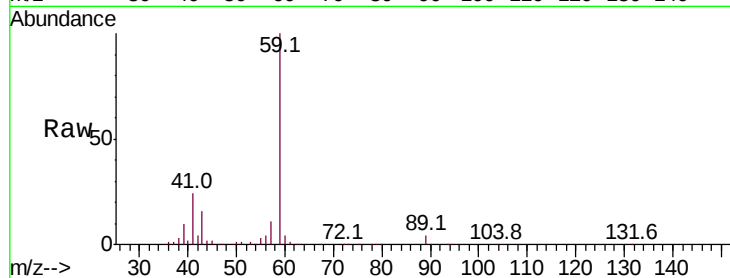
VX0918WBSD01

Tot Ion: 59 Resp: 63581

Ion Ratio Lower Upper

59 100

57 10.2 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

25000

20000

15000

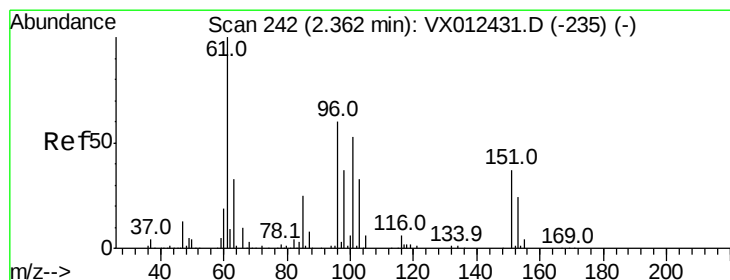
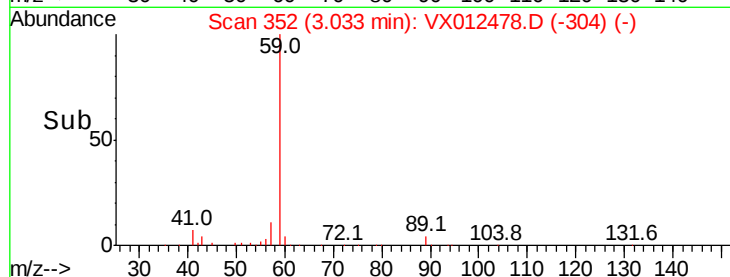
10000

5000

0

Time-->

2.90 3.00 3.10



#12

1,1-Dichloroethene

Concen: 18.356 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

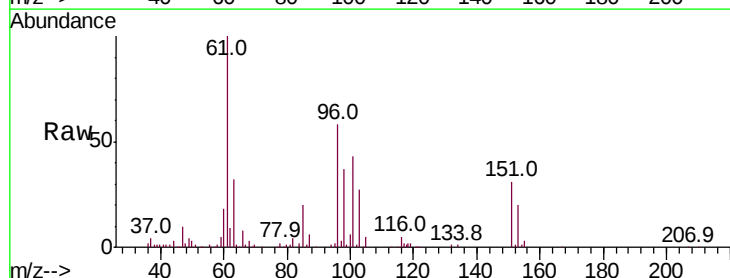
Tgt Ion: 96 Resp: 23454

Ion Ratio Lower Upper

96 100

61 171.4 133.8 200.6

98 63.9 49.9 74.9



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

2.36

30000

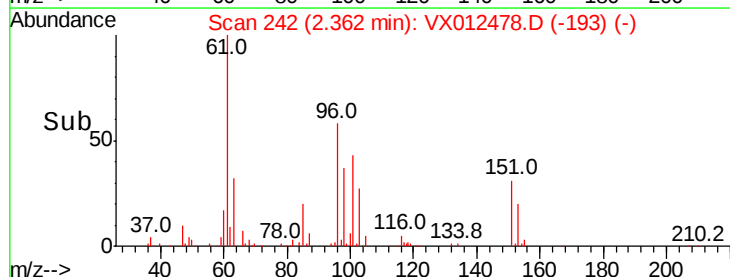
20000

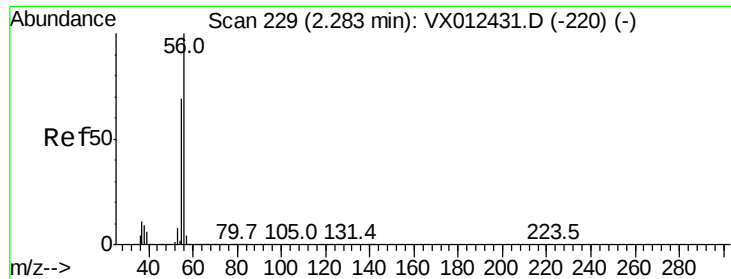
10000

0

Time-->

2.30 2.35 2.40 2.45





#13

Acrolein

Concen: 65.908 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

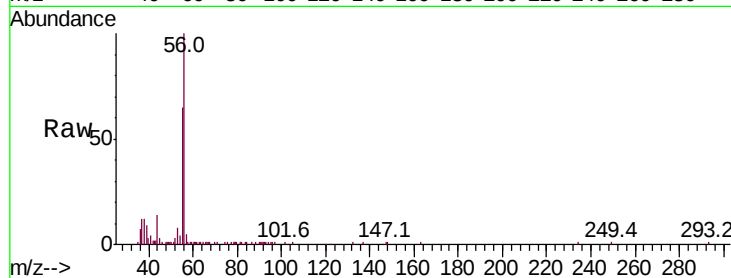
VX0918WBSD01

Tot Ion: 56 Resp: 17174

Ion Ratio Lower Upper

56 100

55 68.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

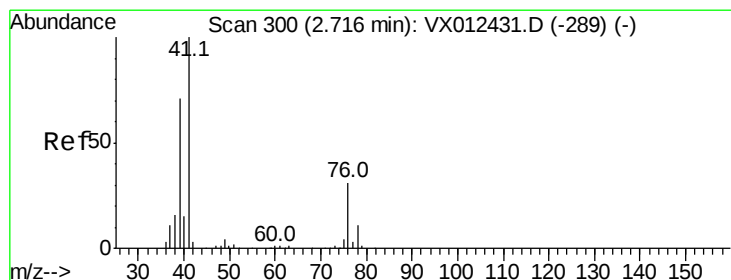
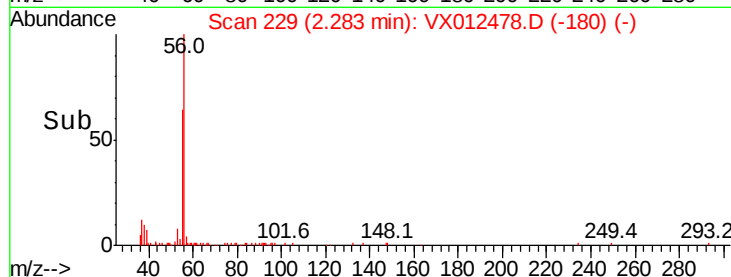
4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40

2.28



#14

Allyl chloride

Concen: 17.292 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

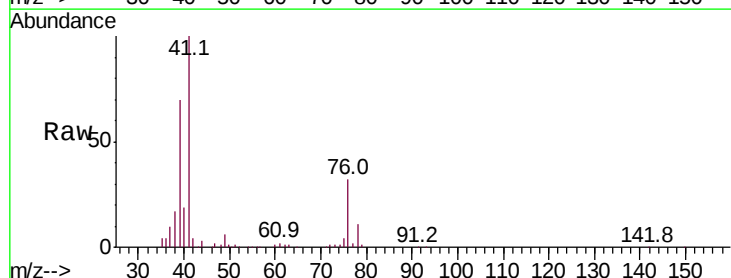
Tgt Ion: 41 Resp: 51441

Ion Ratio Lower Upper

41 100

39 64.9 51.3 76.9

76 29.1 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

30000

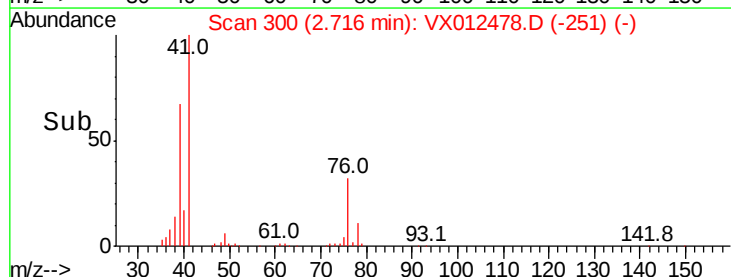
20000

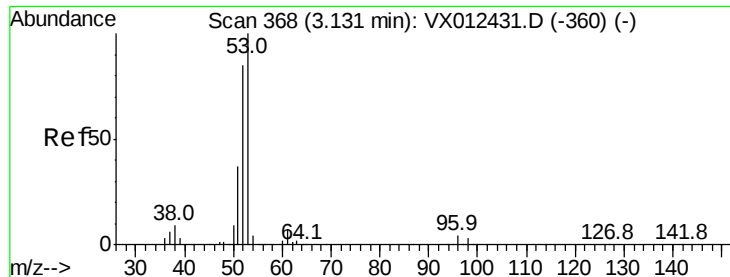
10000

0

Time--> 2.60 2.70 2.80

2.72





#15

Acrylonitrile

Concen: 89.484 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

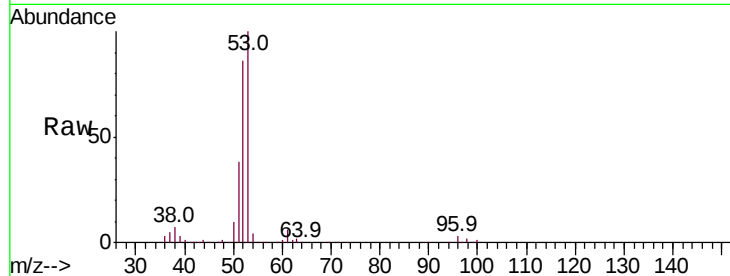
Tot Ion: 53 Resp: 112948

Ion Ratio Lower Upper

53 100

52 82.0 67.0 100.4

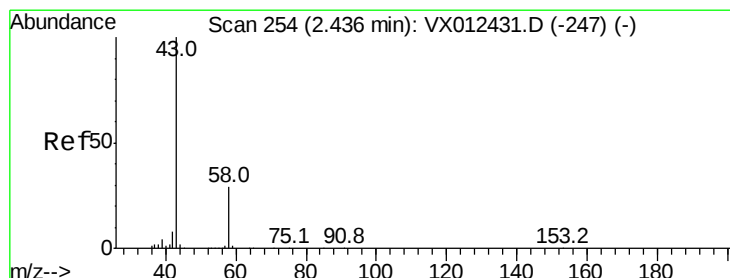
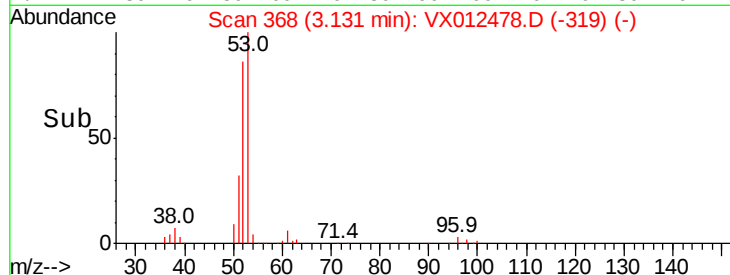
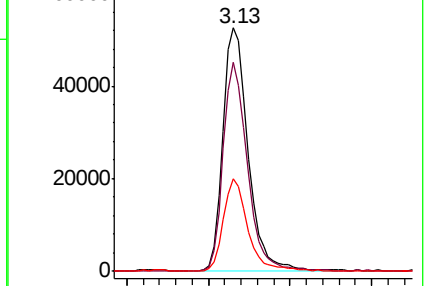
51 37.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 87.738 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012478.D

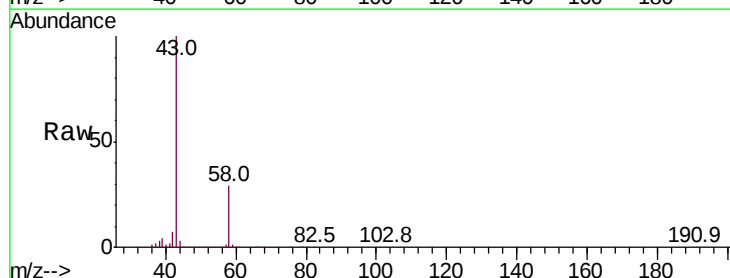
Acq: 18 Sep 2019 16:57

Tgt Ion: 43 Resp: 123648

Ion Ratio Lower Upper

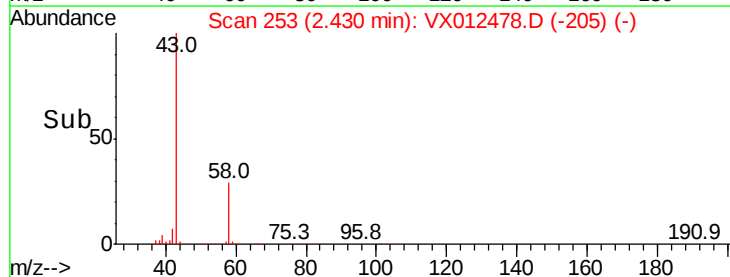
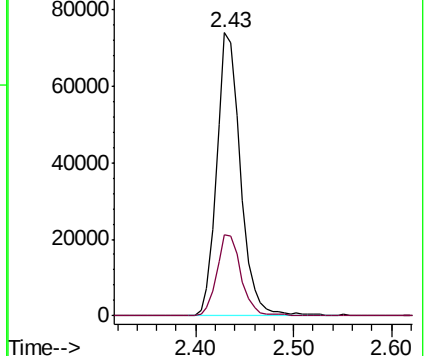
43 100

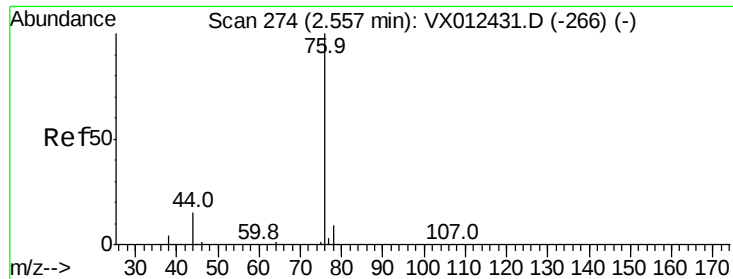
58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.179 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

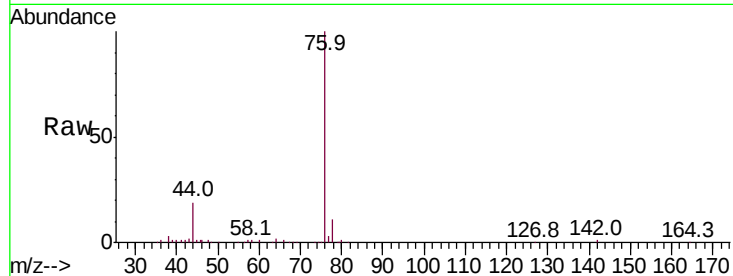
VX0918WBSD01

Tot Ion: 76 Resp: 26946

Ion Ratio Lower Upper

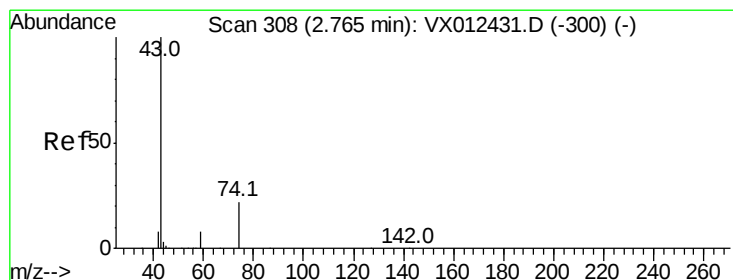
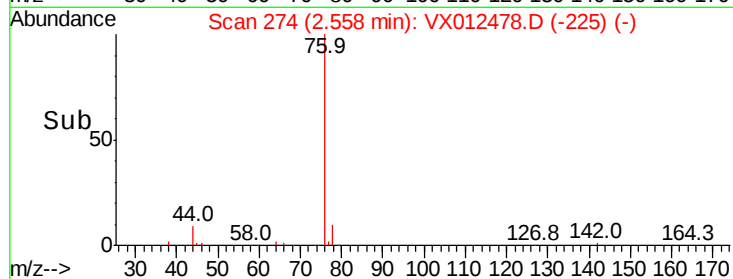
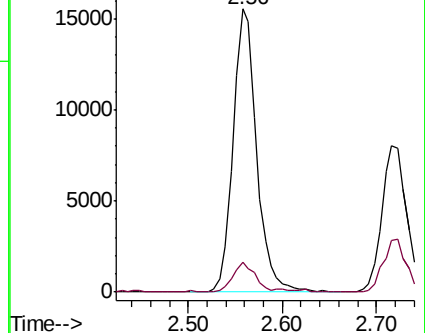
76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.728 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012478.D

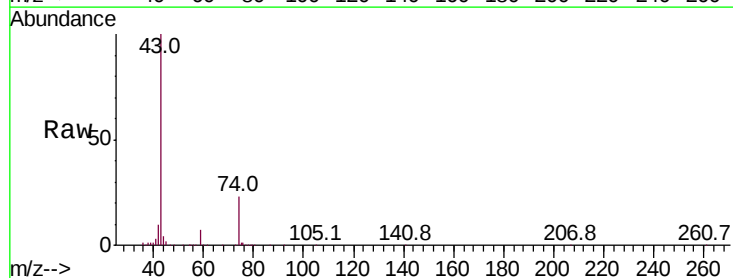
Acq: 18 Sep 2019 16:57

Tgt Ion: 43 Resp: 53809

Ion Ratio Lower Upper

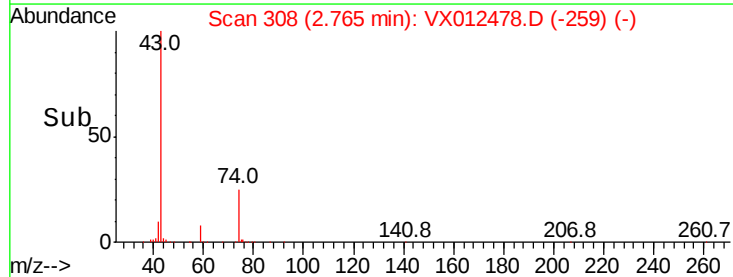
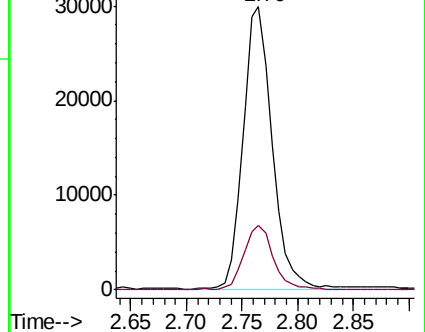
43 100

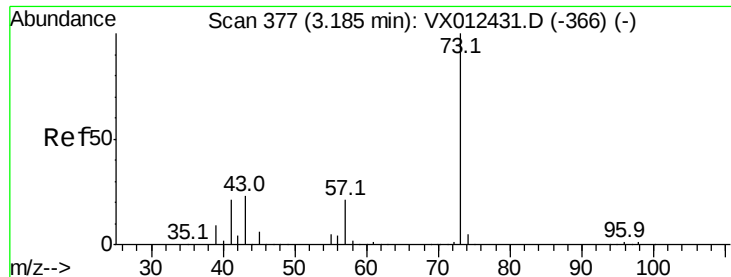
74 23.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



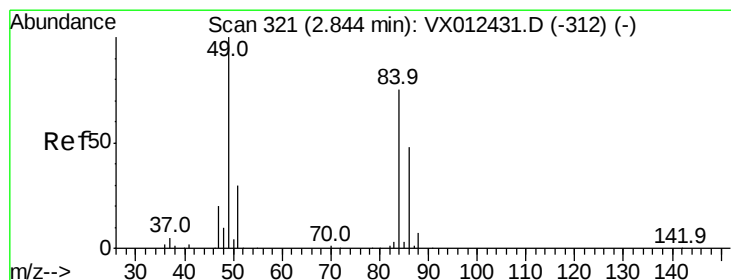
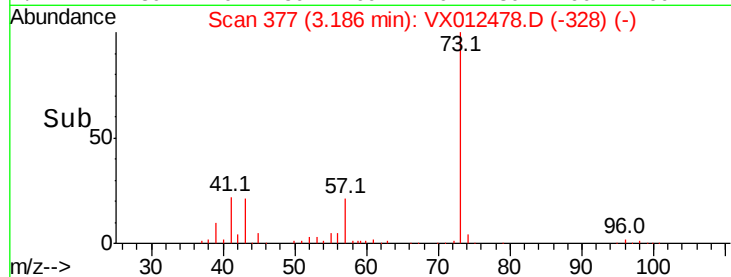
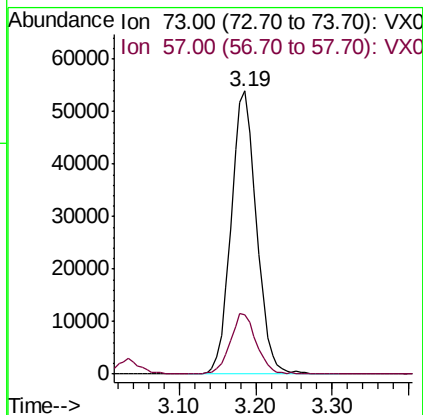
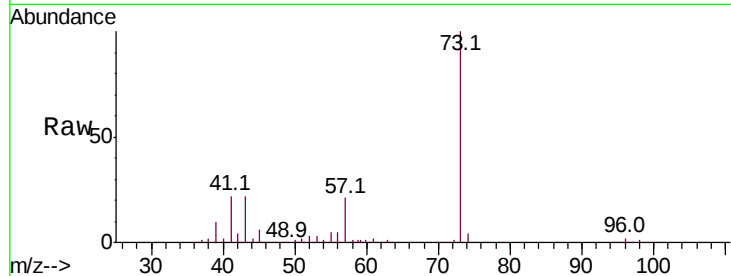


#19

Methyl tert-butyl Ether
 Concen: 17.787 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

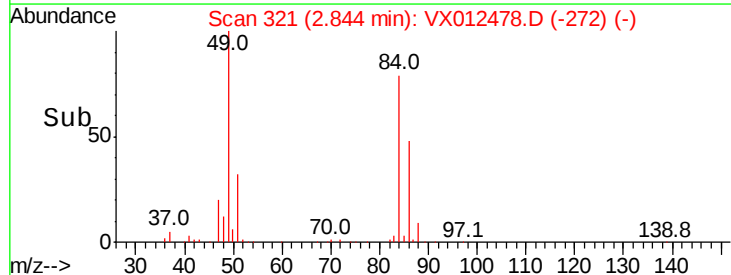
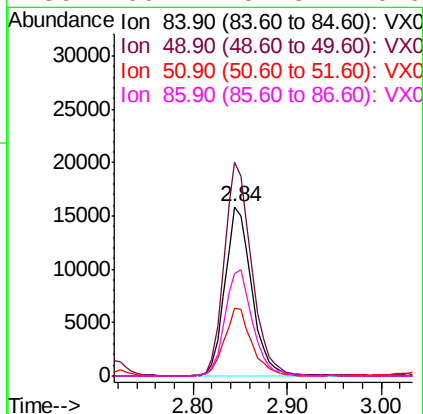
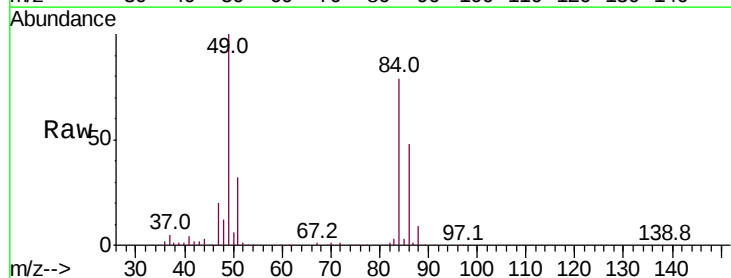
Tot Ion: 73 Resp: 123916
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.8 25.2

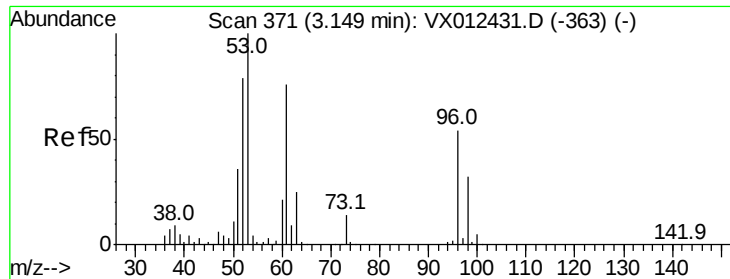


#20

Methylene Chloride
 Concen: 17.725 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion: 84 Resp: 31246
 Ion Ratio Lower Upper
 84 100
 49 126.3 106.8 160.2
 51 40.5 32.3 48.5
 86 60.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.019 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

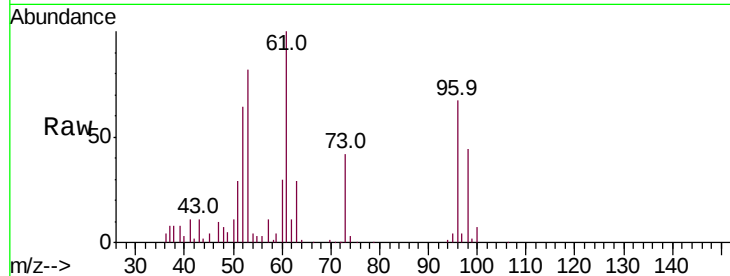
Tot Ion: 96 Resp: 23909

Ion Ratio Lower Upper

96 100

61 147.4 112.0 168.0

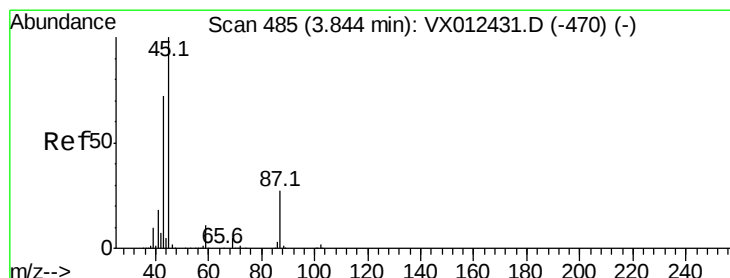
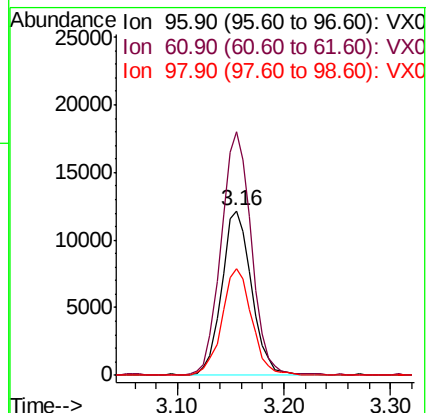
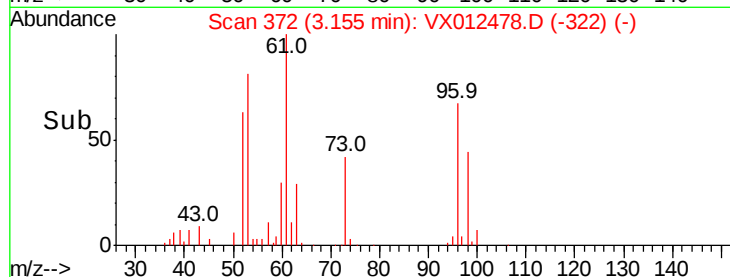
98 65.2 47.8 71.8



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: 17.609 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion: 45 Resp: 122653

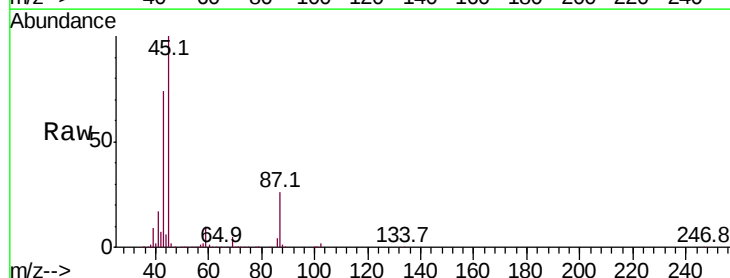
Ion Ratio Lower Upper

45 100

43 72.8 57.8 86.8

87 25.9 21.3 31.9

59 10.0 8.5 12.7

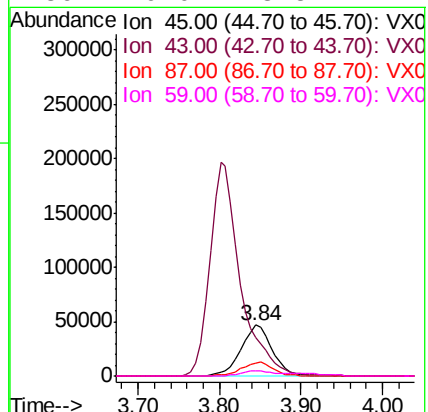
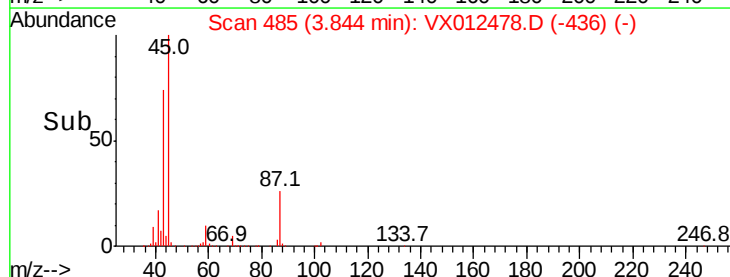


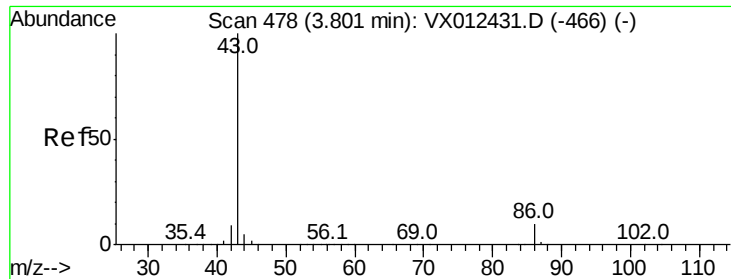
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 89.316 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

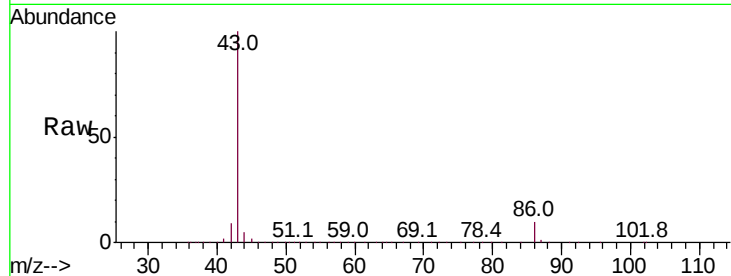
VX0918WBSD01

Tot Ion: 43 Resp: 511754

Ion Ratio Lower Upper

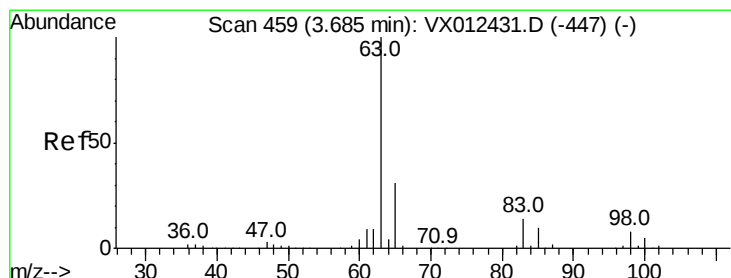
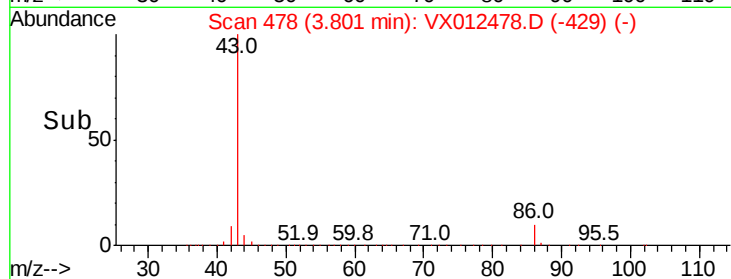
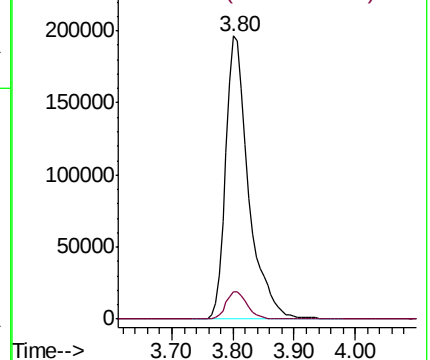
43 100

86 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.117 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

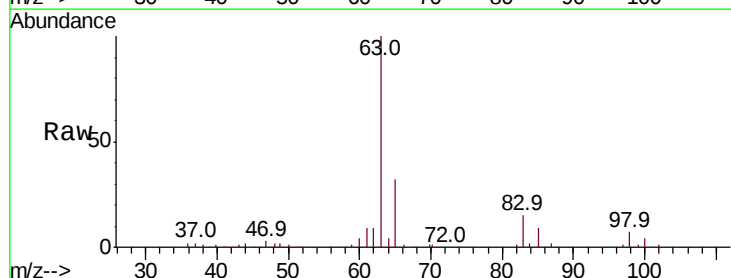
Tgt Ion: 63 Resp: 60378

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

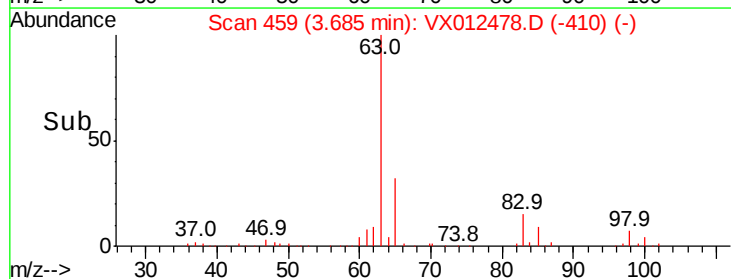
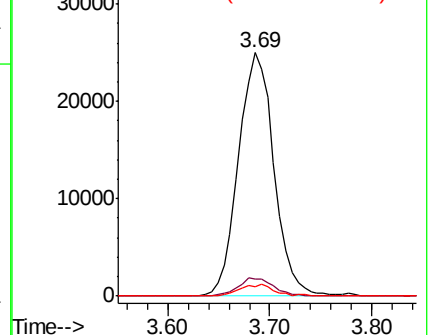
100 4.0 2.3 6.9

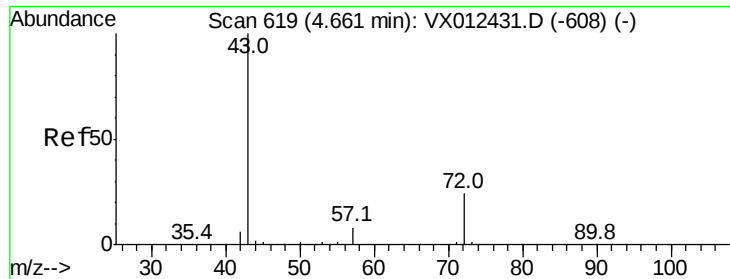


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.202 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

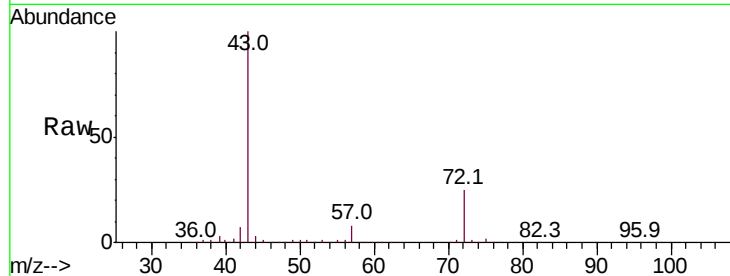
VX0918WBSD01

Tot Ion: 43 Resp: 172149

Ion Ratio Lower Upper

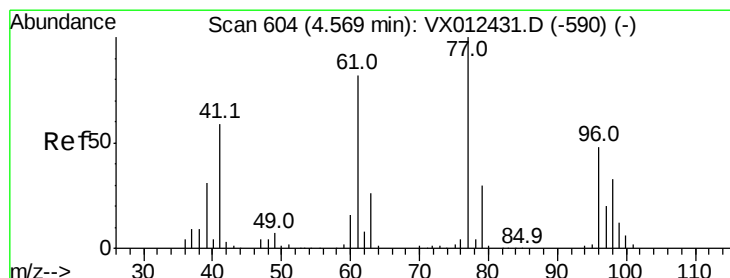
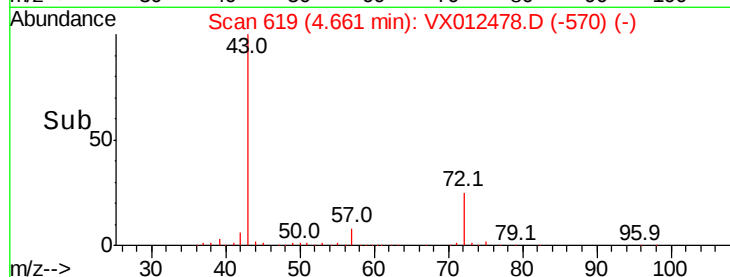
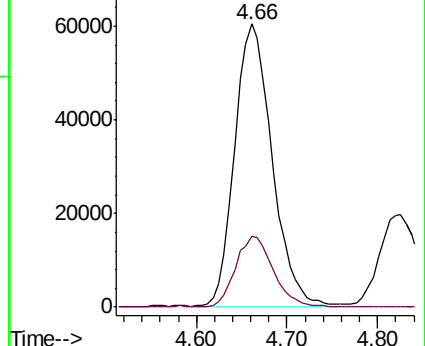
43 100

72 25.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.227 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012478.D

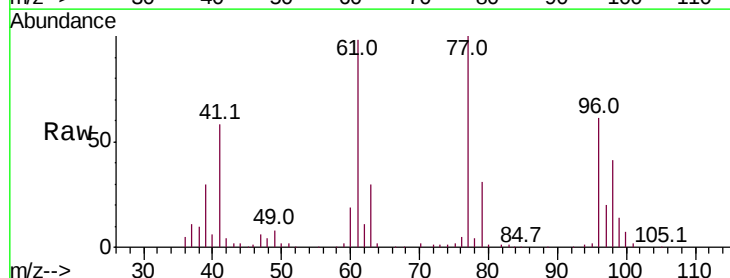
Acq: 18 Sep 2019 16:57

Tgt Ion: 77 Resp: 56463

Ion Ratio Lower Upper

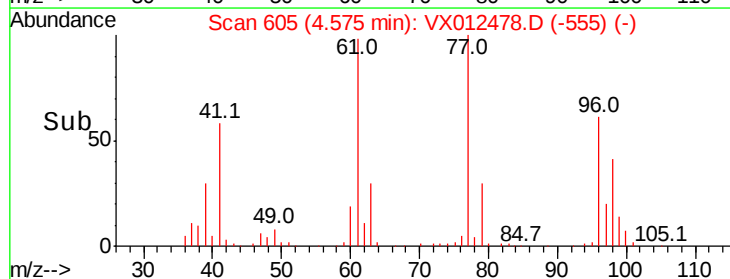
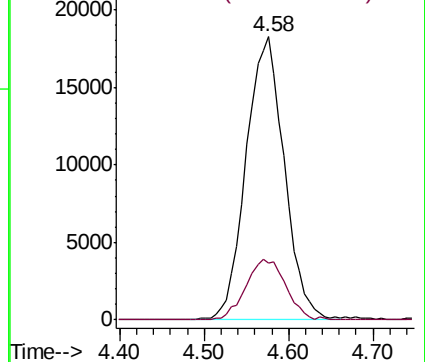
77 100

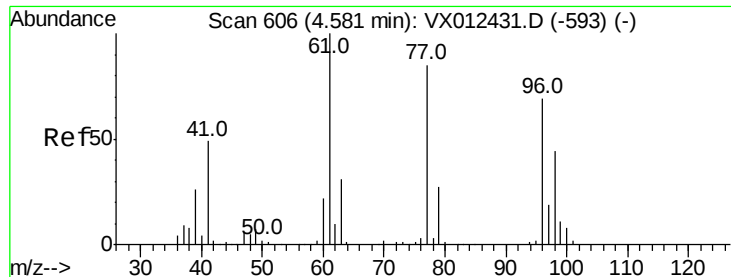
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



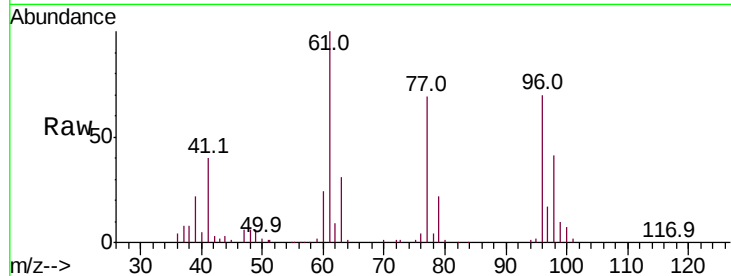


#27

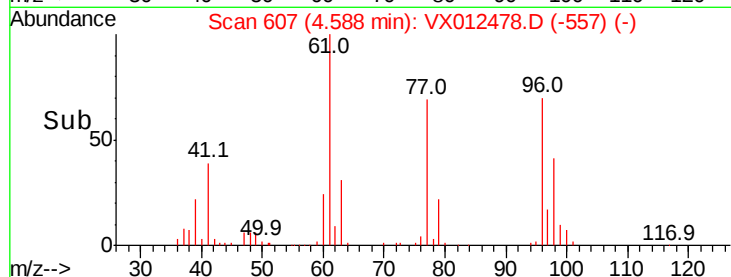
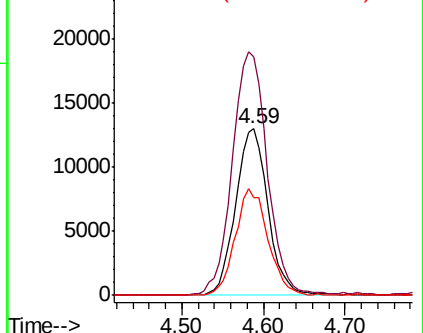
cis-1,2-Dichloroethene
Concen: 18.028 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 96 Resp: 35734
Ion Ratio Lower Upper
96 100
61 157.7 0.0 319.4
98 64.7 0.0 130.6



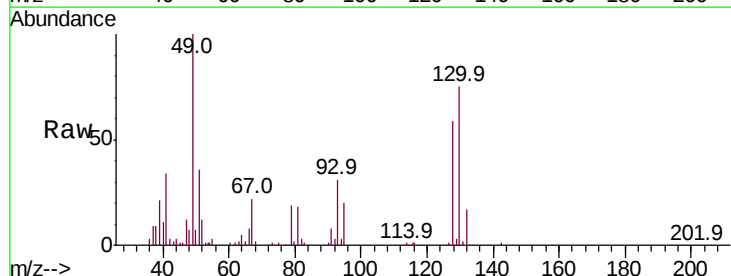
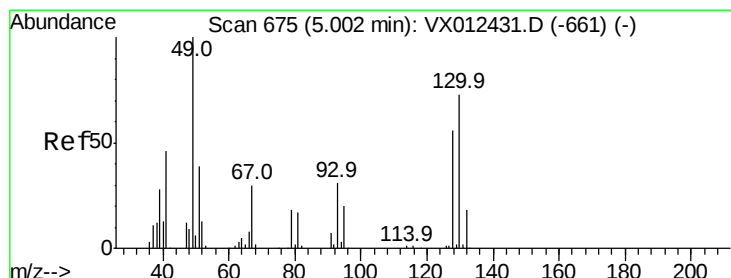
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



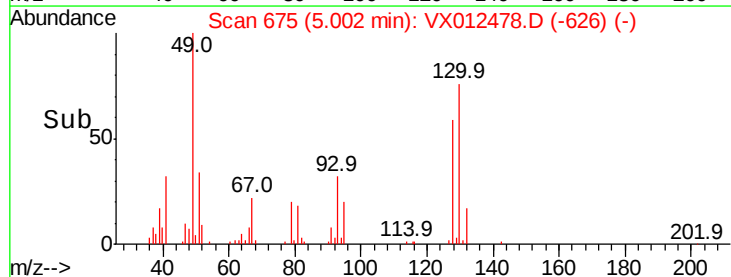
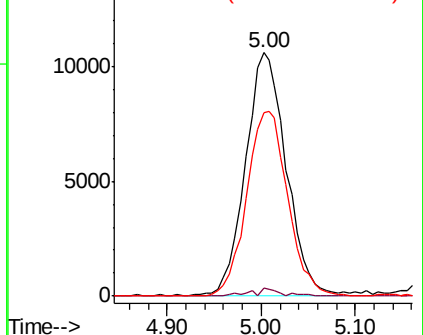
#28

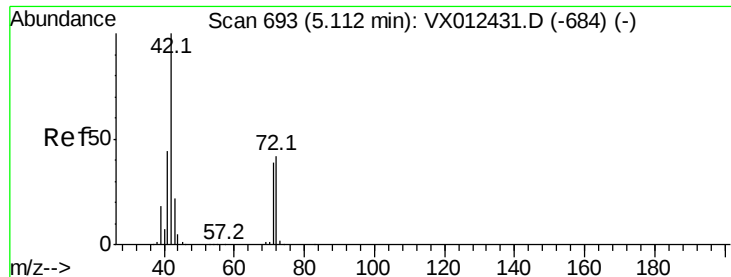
Bromochloromethane
Concen: 18.727 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 49 Resp: 32174
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 76.4 58.2 87.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 90.558 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

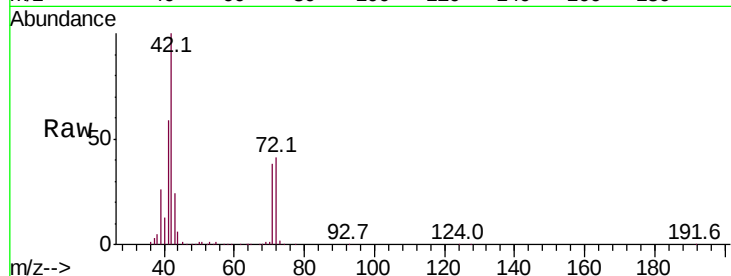
Tot Ion: 42 Resp: 101080

Ion Ratio Lower Upper

42 100

72 43.9 34.0 51.0

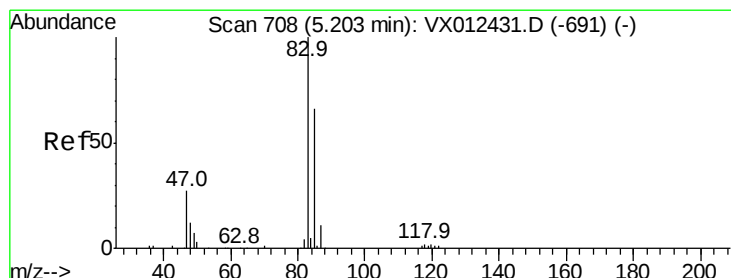
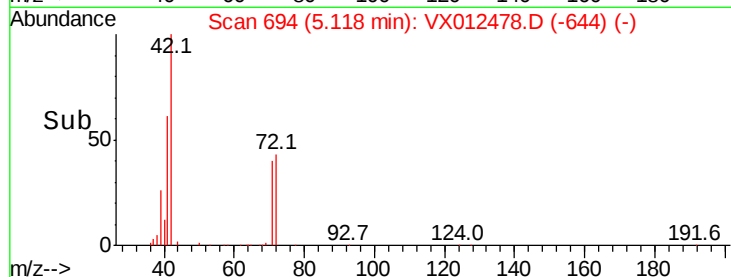
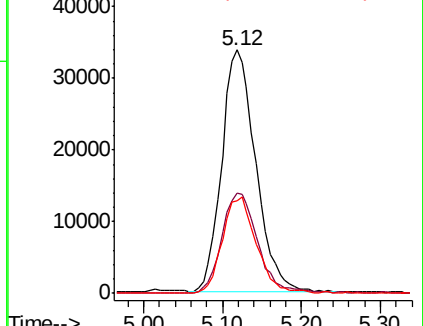
71 40.0 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 17.569 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012478.D

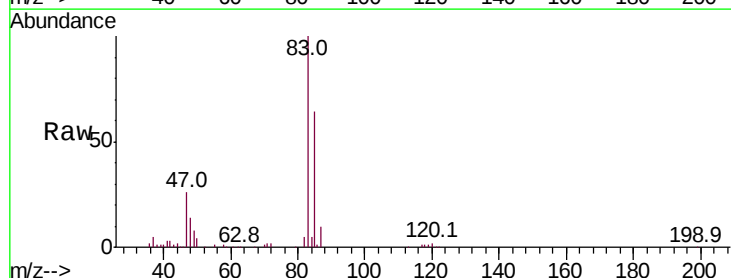
Acq: 18 Sep 2019 16:57

Tgt Ion: 83 Resp: 67242

Ion Ratio Lower Upper

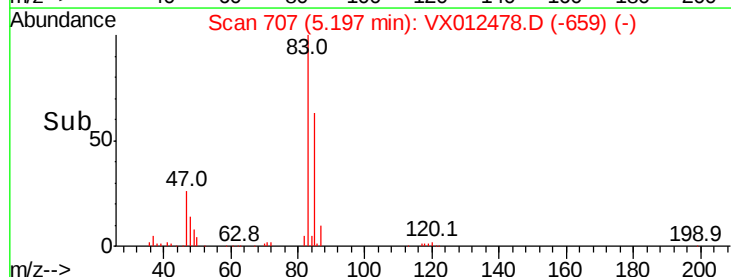
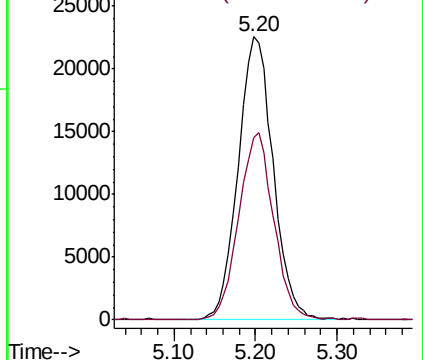
83 100

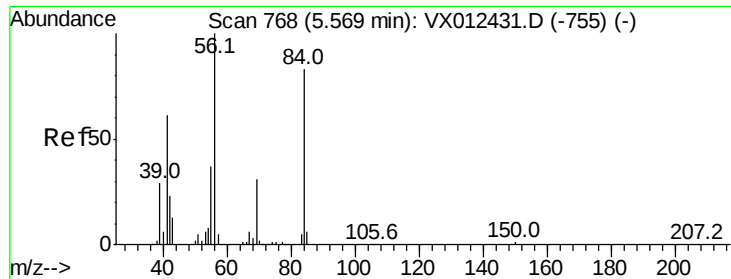
85 64.3 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

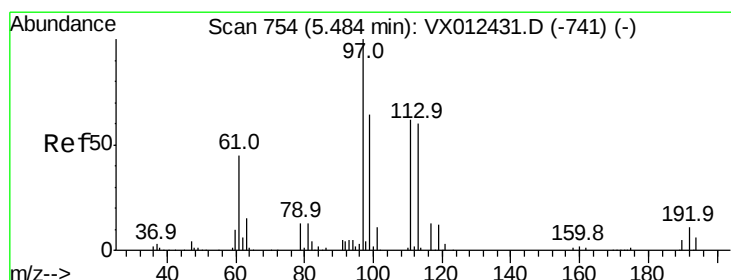
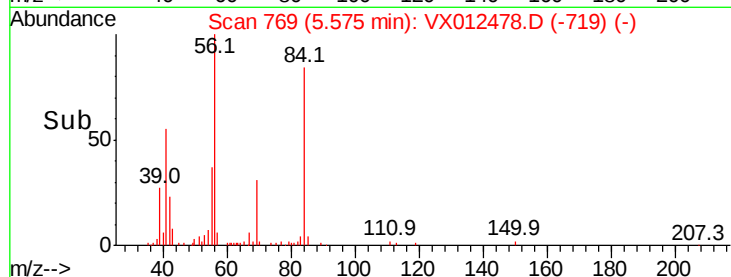
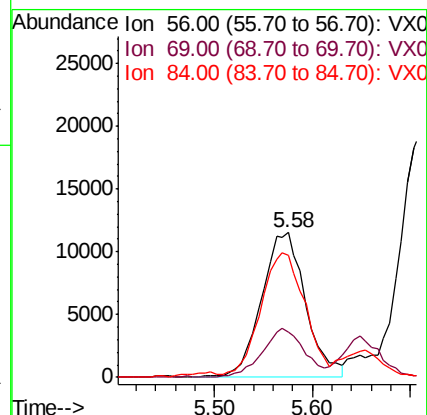
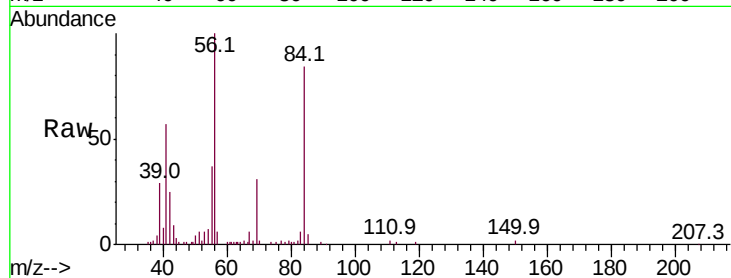




#31
Cyclohexane
Concen: 18.017 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

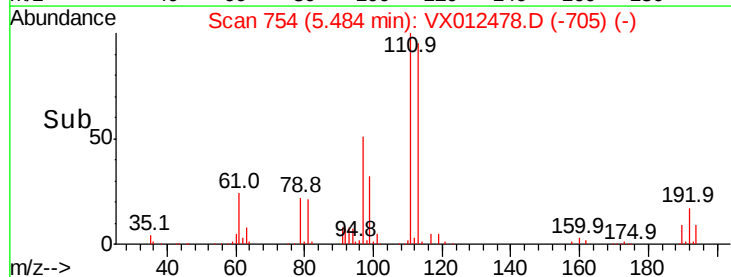
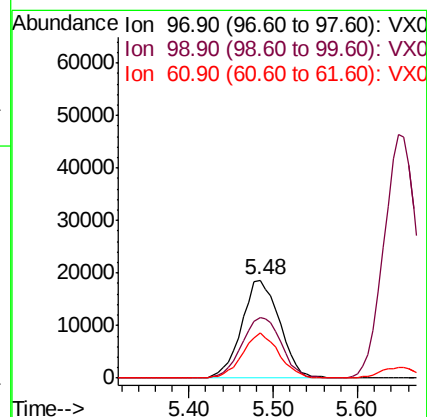
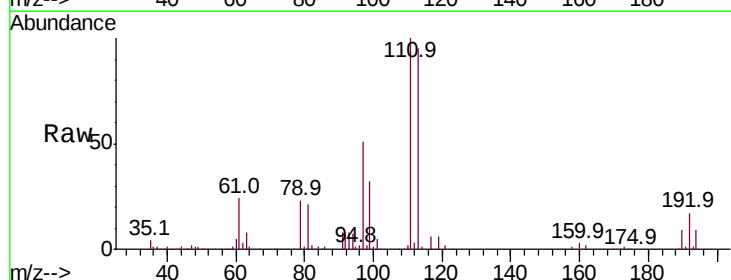
Instrument :
MSVOA_X
ClientSampleID :
VX0918WBSD01

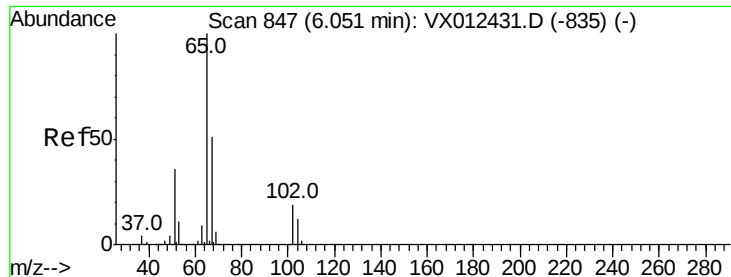
Tot Ion: 56 Resp: 36245
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 82.0 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 17.782 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 97 Resp: 56882
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 44.3 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 49.002 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

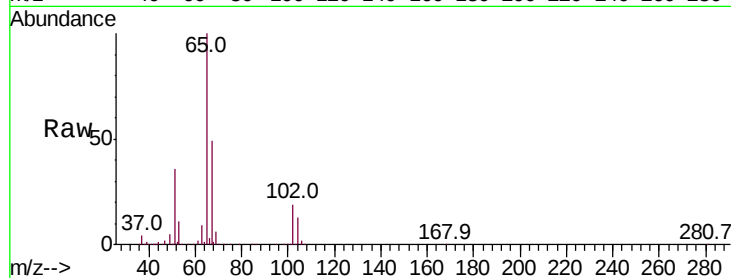
VX0918WBSD01

Tot Ion: 65 Resp: 142733

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

60000

50000

40000

30000

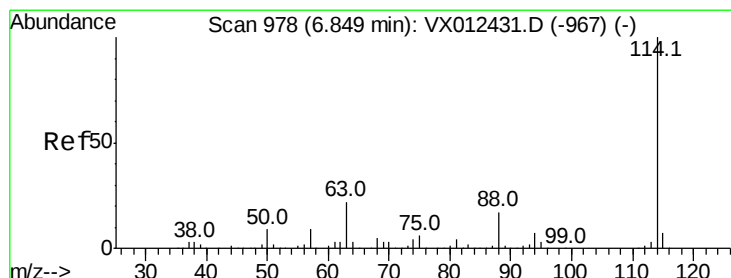
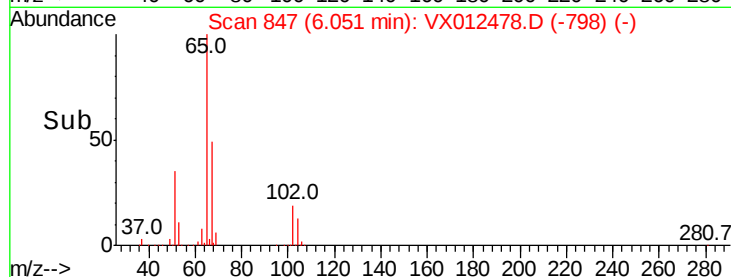
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

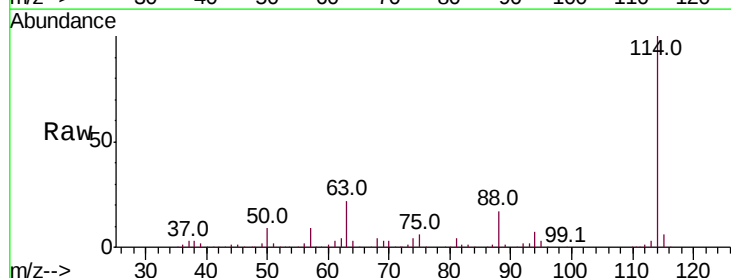
Tgt Ion:114 Resp: 337432

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 17.0 0.0 33.2



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

200000

150000

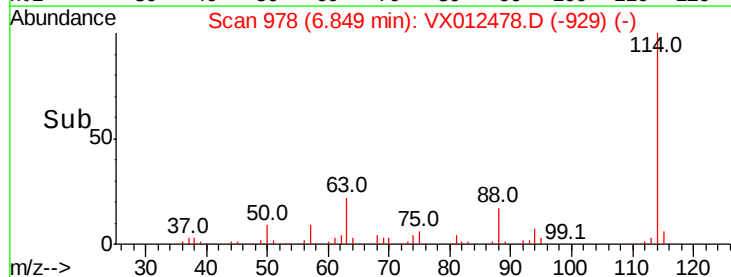
100000

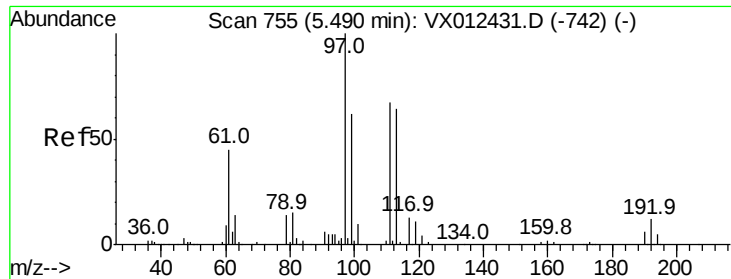
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 50.500 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

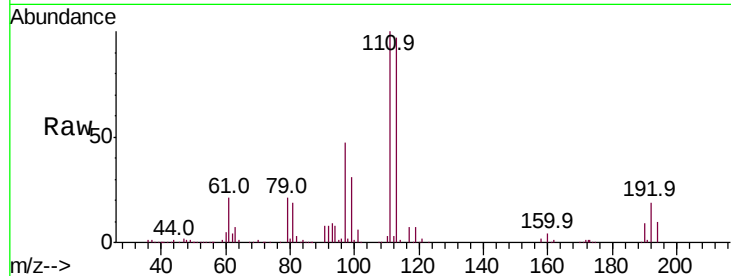
Tot Ion:113 Resp: 103139

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

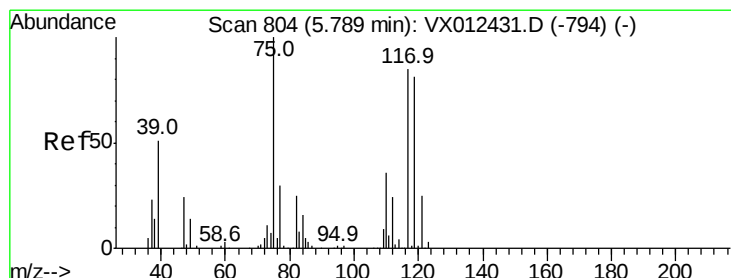
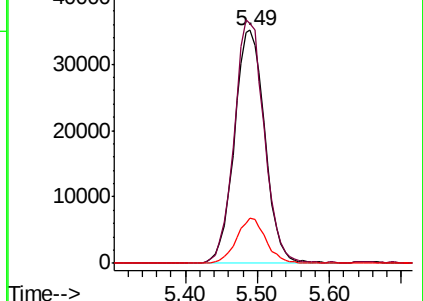
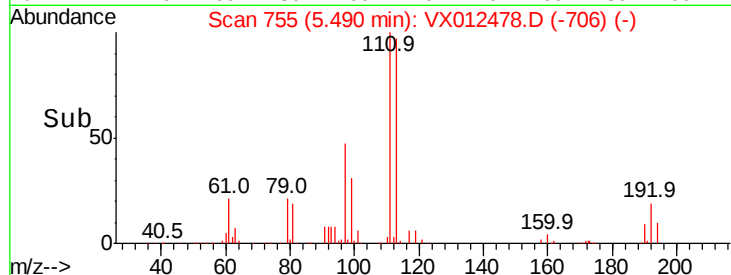
192 18.8 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.605 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

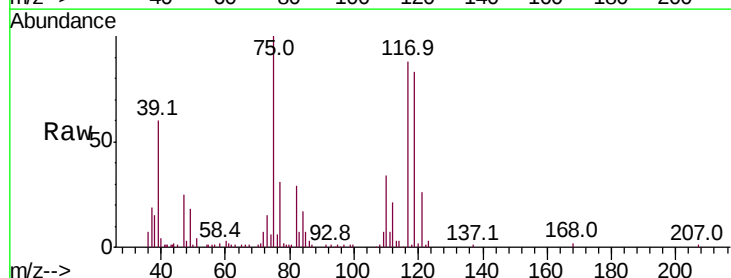
Tgt Ion: 75 Resp: 36103

Ion Ratio Lower Upper

75 100

110 36.2 16.7 50.0

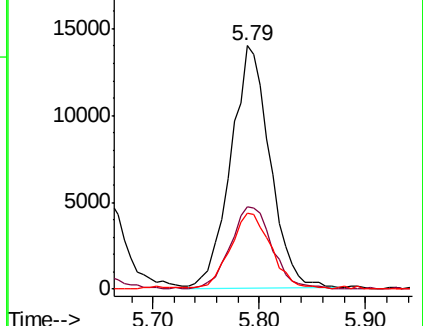
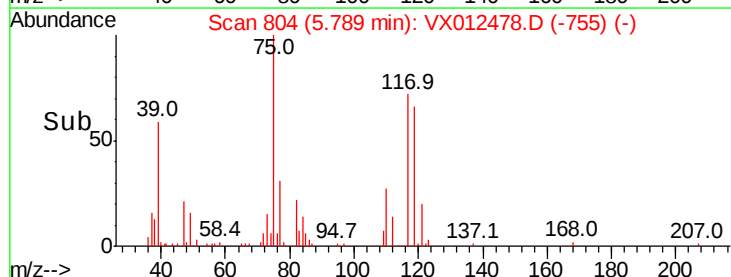
77 33.0 24.2 36.2

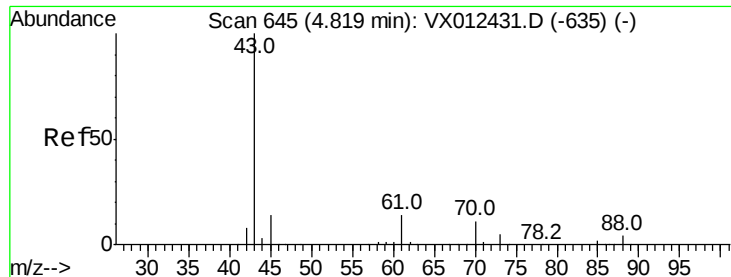


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

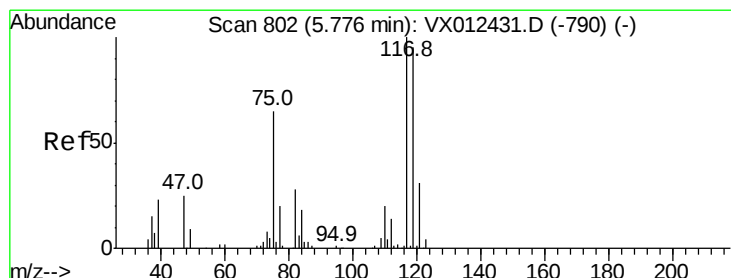
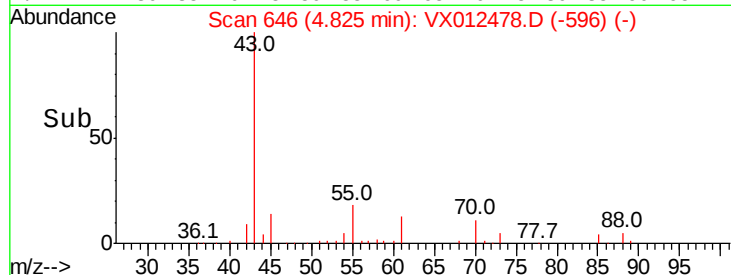
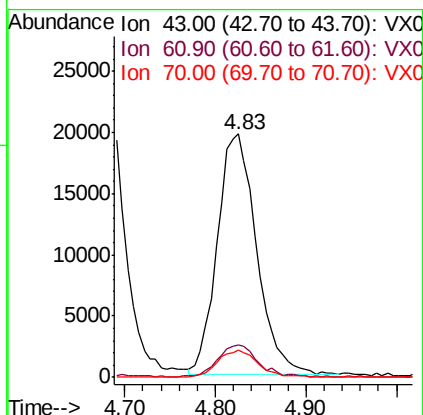
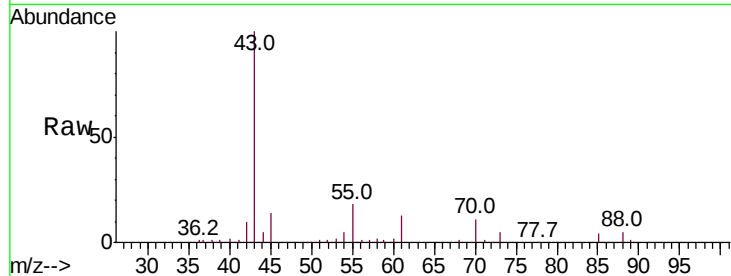




#37
Ethyl Acetate
Concen: 18.754 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

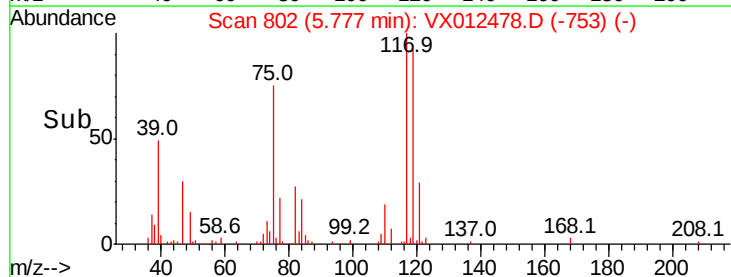
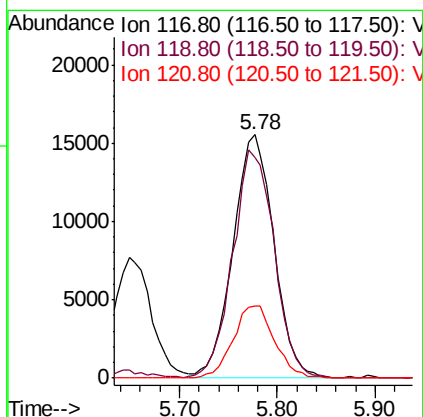
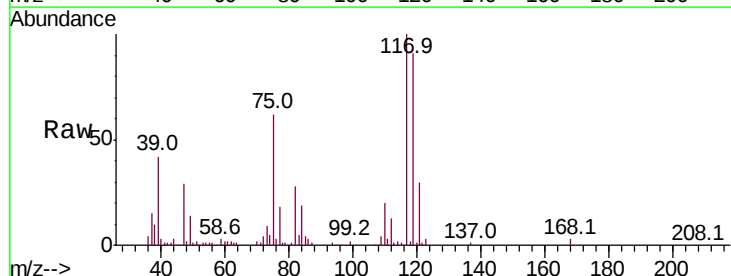
Instrument :
MSVOA_X
ClientSampleID :
VX0918WBSD01

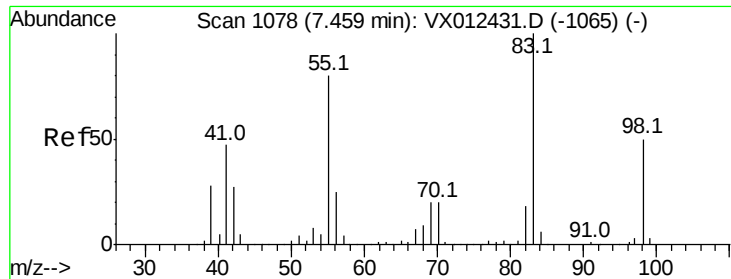
Tot Ion: 43 Resp: 59036
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.4
70 11.4 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.771 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 117 Resp: 45325
Ion Ratio Lower Upper
117 100
119 90.4 75.7 113.5
121 29.8 24.2 36.4

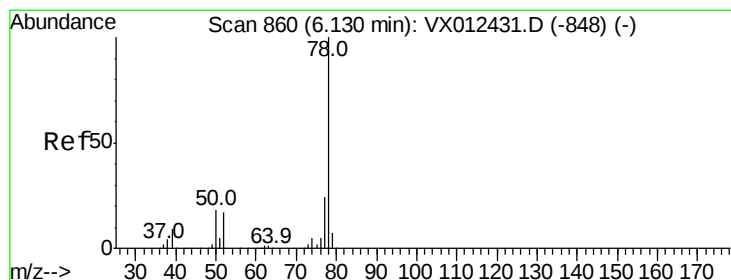
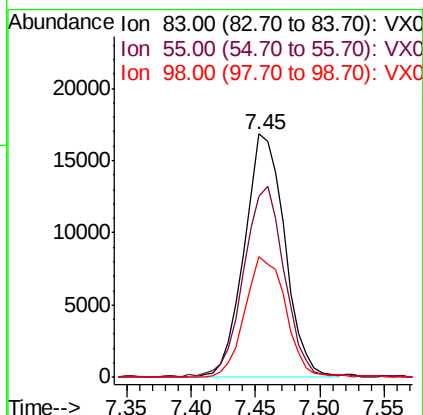
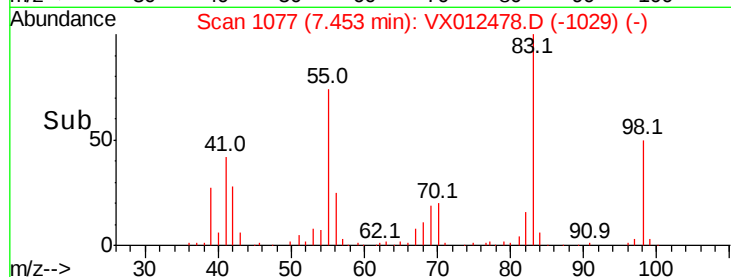
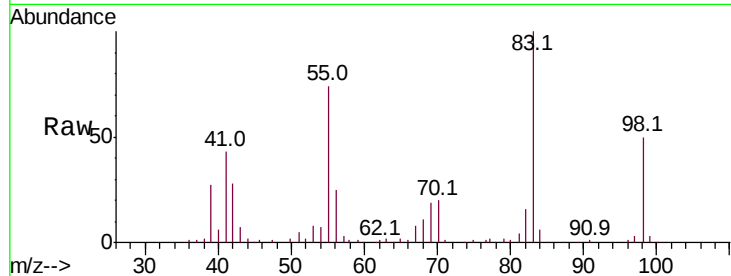




#39
Methvlcvclohexane
Concen: 18.331 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

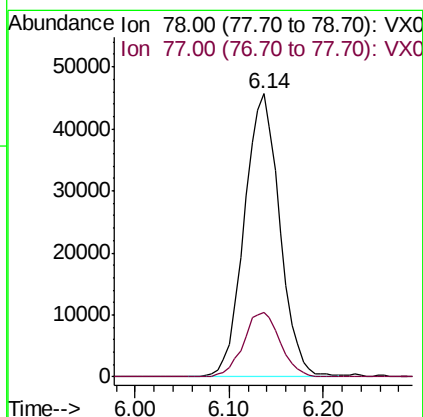
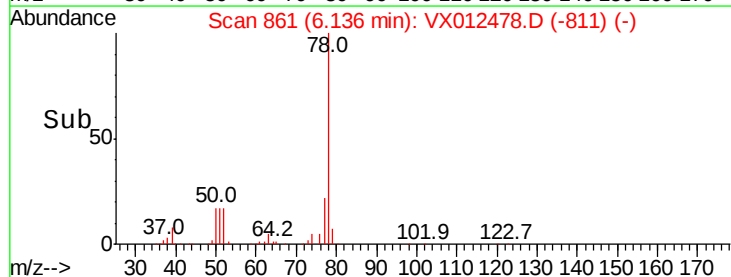
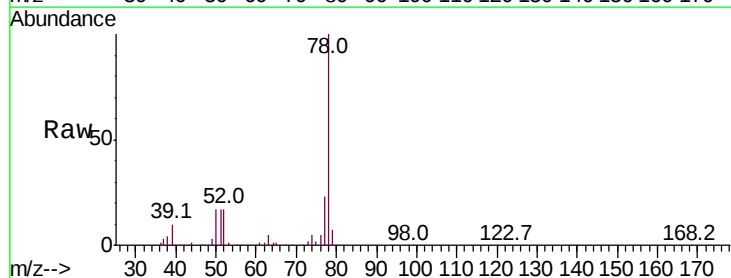
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

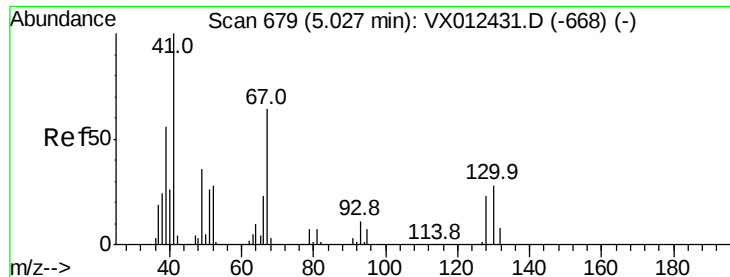
Tot Ion: 83 Resp: 36545
Ion Ratio Lower Upper
83 100
55 73.5 64.4 96.6
98 49.7 40.1 60.1



#40
Benzene
Concen: 18.382 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 78 Resp: 119877
Ion Ratio Lower Upper
78 100
77 22.6 19.2 28.8





#41

Methacrylonitrile

Concen: 16.917 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 41 Resp: 34289

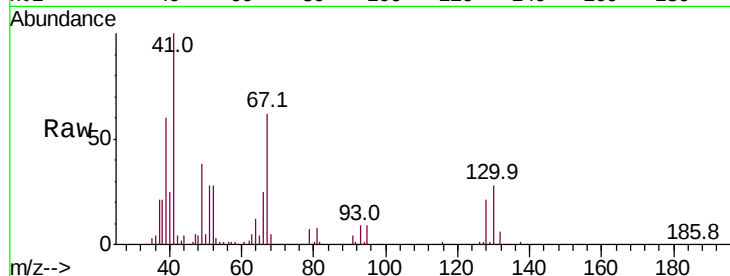
Ion Ratio Lower Upper

41 100

39 59.0 46.0 69.0

67 69.7 52.2 78.2

52 29.2 22.7 34.1

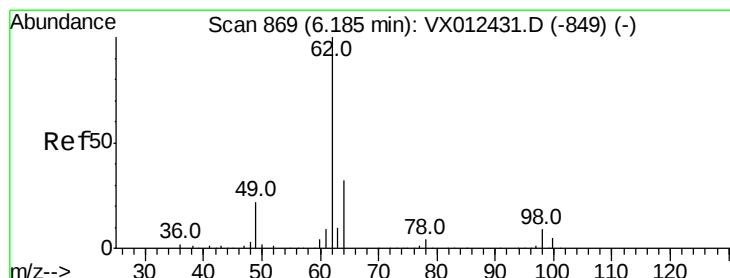
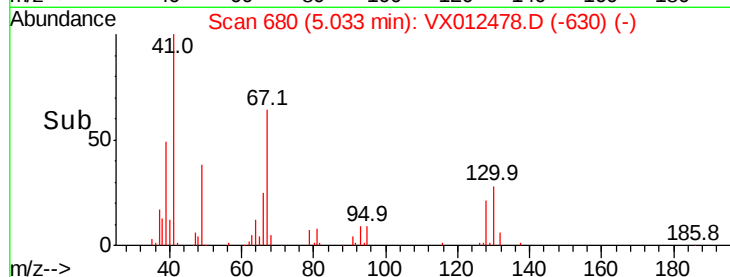
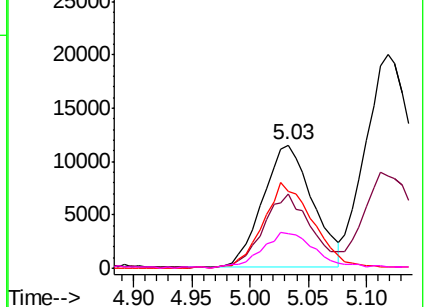


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.104 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012478.D

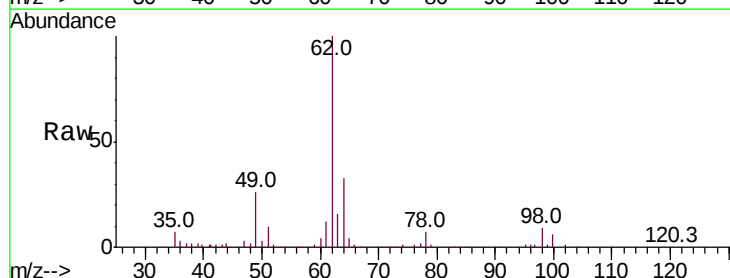
Acq: 18 Sep 2019 16:57

Tgt Ion: 62 Resp: 54758

Ion Ratio Lower Upper

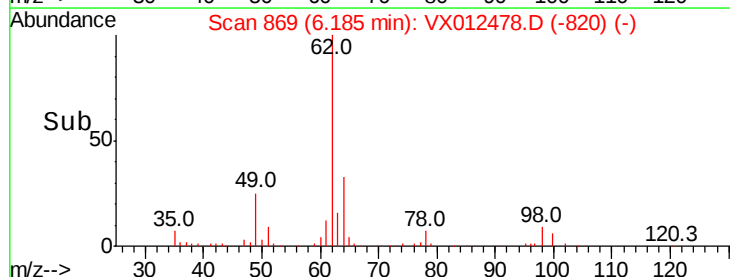
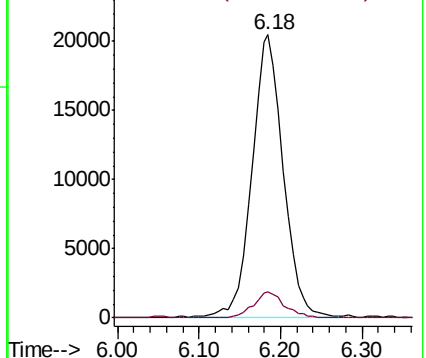
62 100

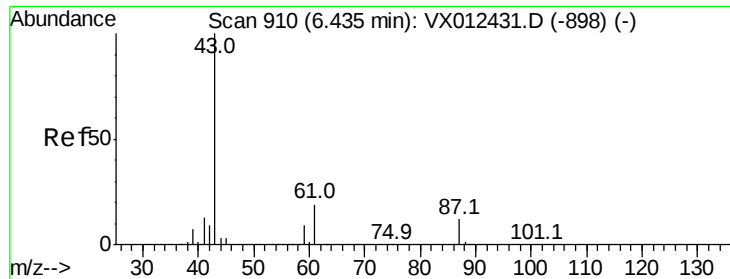
98 9.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



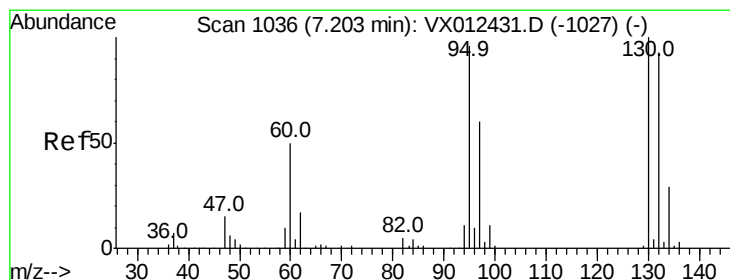
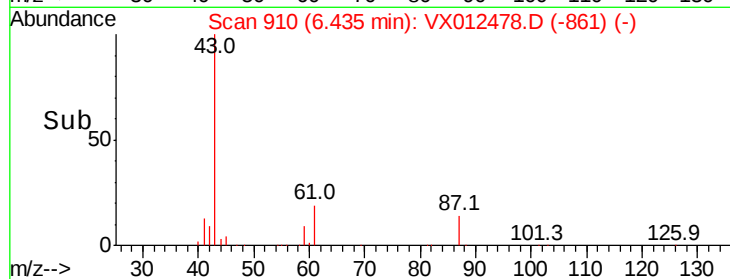
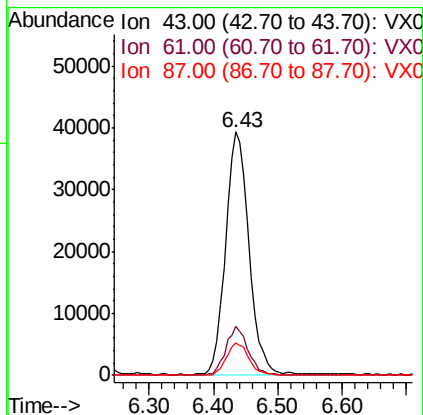
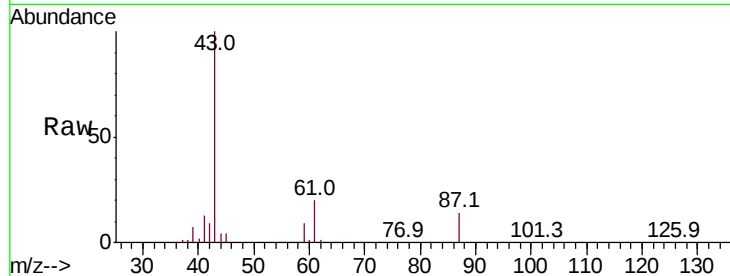


#43

Isopropyl Acetate
 Concen: 17.768 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

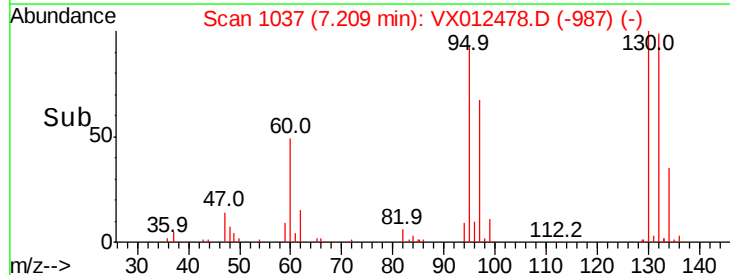
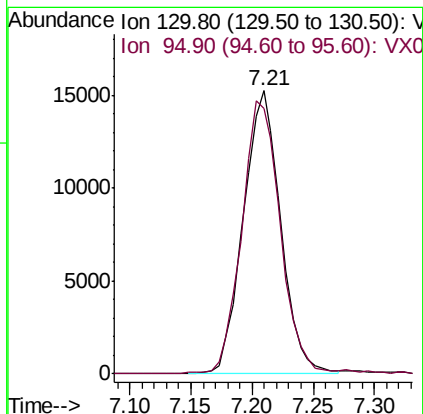
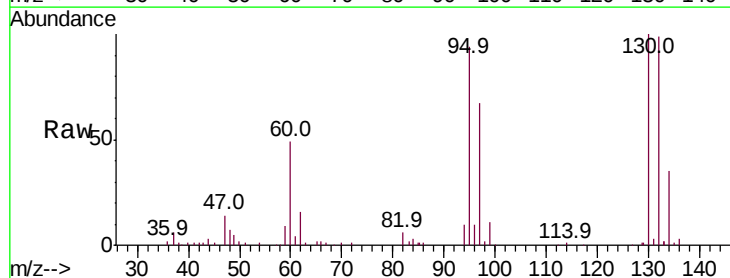
Tot Ion: 43 Resp: 100386
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.4 23.0
 87 12.9 9.8 14.8

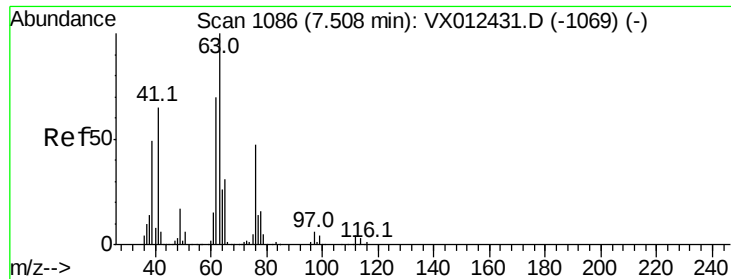


#44

Trichloroethene
 Concen: 18.830 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion:130 Resp: 32302
 Ion Ratio Lower Upper
 130 100
 95 93.4 0.0 193.0





#45

1,2-Dichloropropane

Concen: 18.204 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

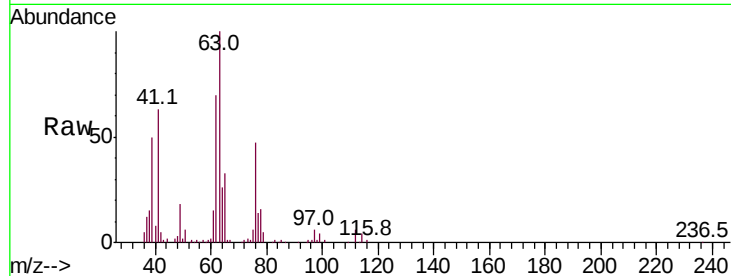
VX0918WBSD01

Tot Ion: 63 Resp: 36473

Ion Ratio Lower Upper

63 100

65 32.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

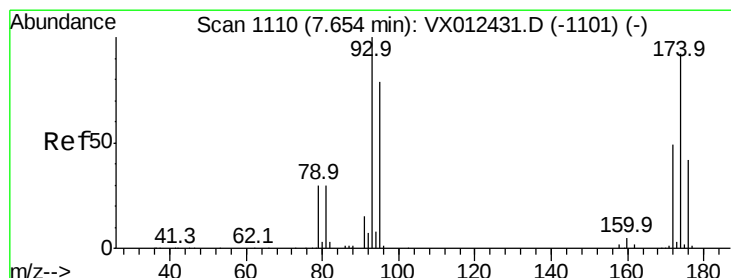
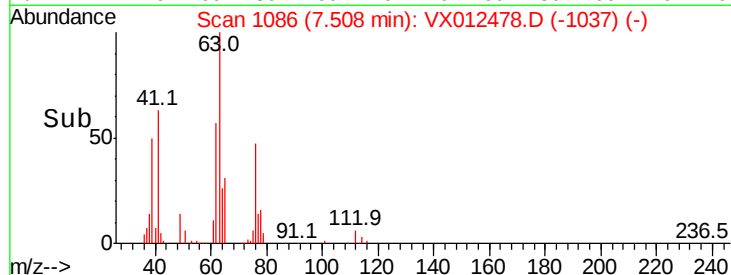
20000

15000

10000

5000

Time-->



#46

Dibromomethane

Concen: 18.154 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

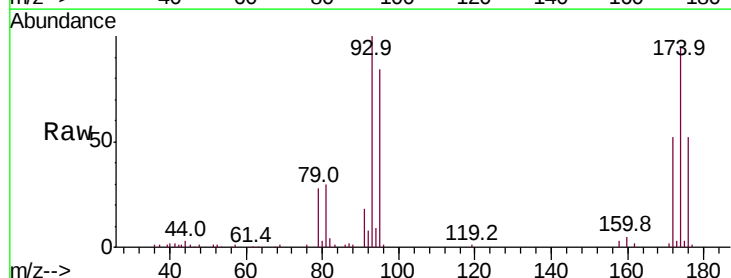
Tgt Ion: 93 Resp: 23537

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 93.0 77.4 116.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

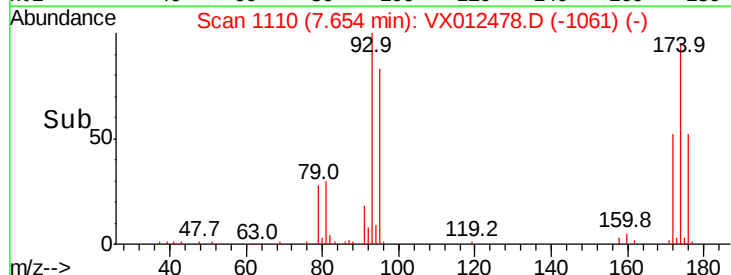
Ion 173.70 (173.40 to 174.40): V

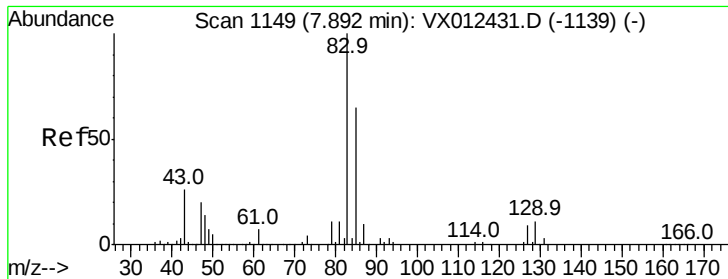
15000

10000

5000

Time-->





#47

Bromodichloromethane

Concen: 17.393 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

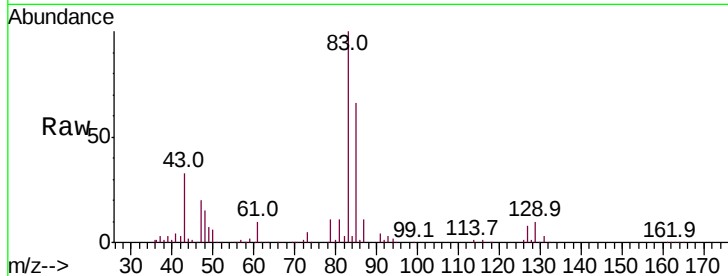
Tot Ion: 83 Resp: 50210

Ion Ratio Lower Upper

83 100

85 66.1 51.8 77.6

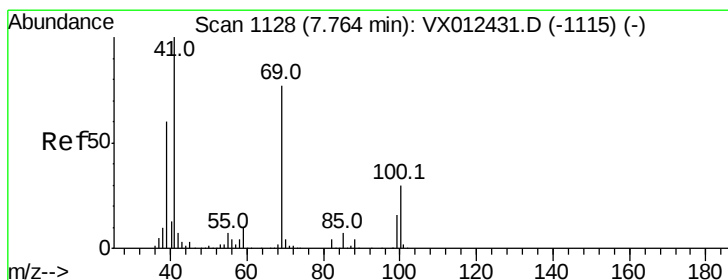
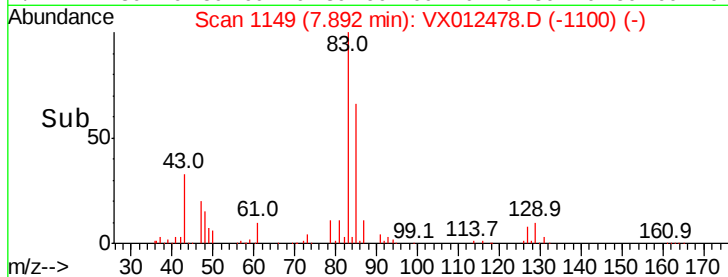
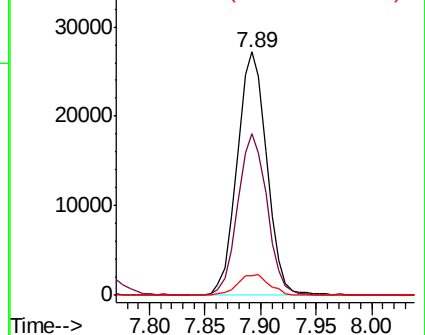
127 8.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.116 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

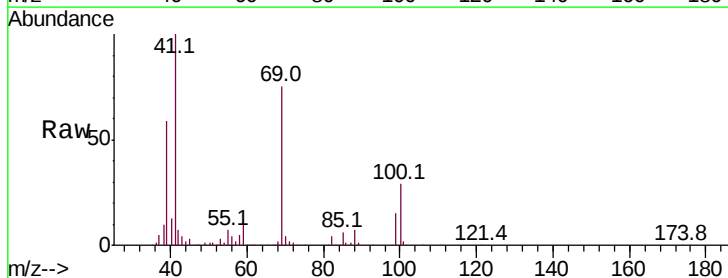
Tgt Ion: 41 Resp: 45585

Ion Ratio Lower Upper

41 100

69 78.7 59.9 89.9

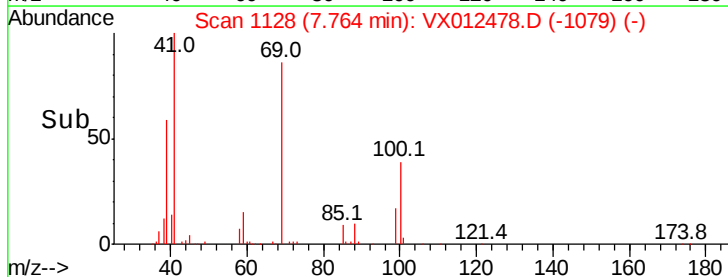
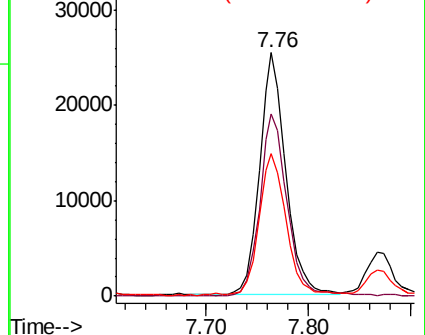
39 59.6 47.8 71.6

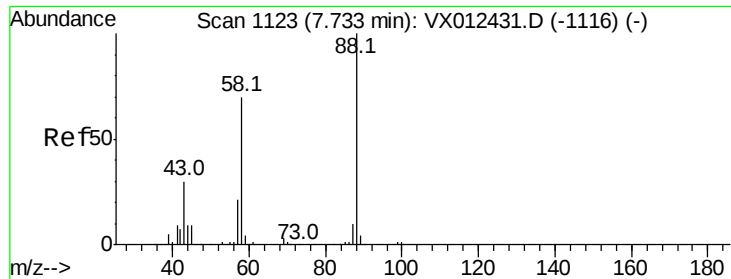


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

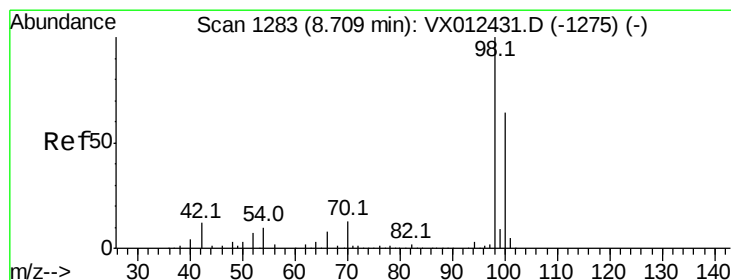
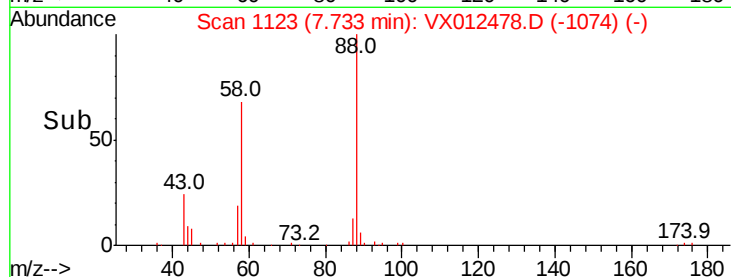
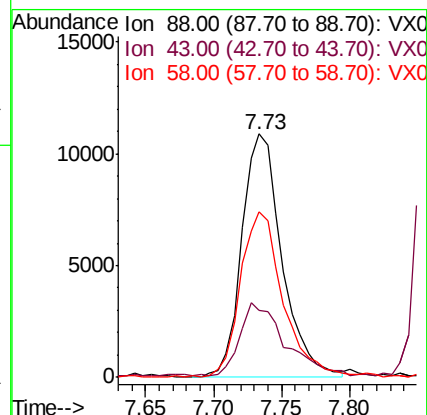
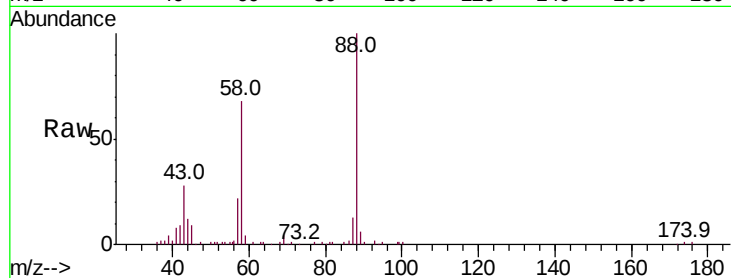




#49
1,4-Dioxane
Concen: 345.972 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

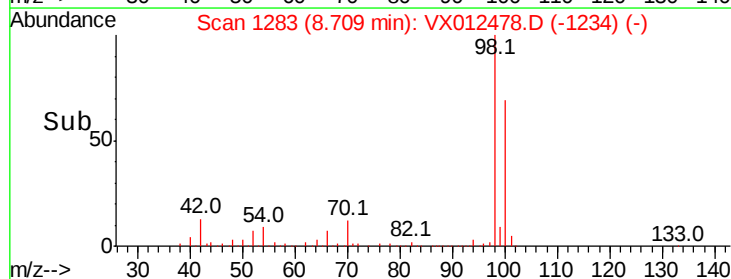
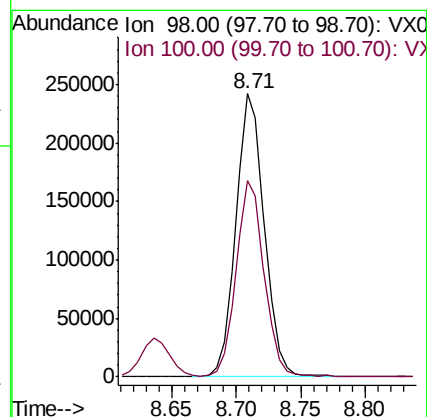
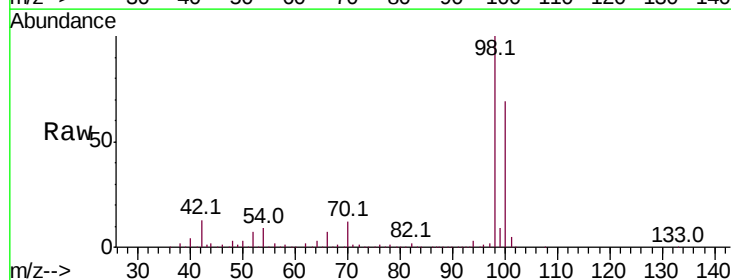
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

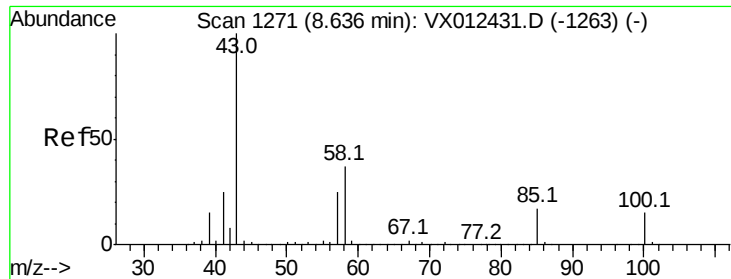
Tot Ion: 88 Resp: 22426
Ion Ratio Lower Upper
88 100
43 34.0 29.4 44.0
58 73.0 57.5 86.3



#50
Toluene-d8
Concen: 49.176 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 98 Resp: 371752
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 88.146 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

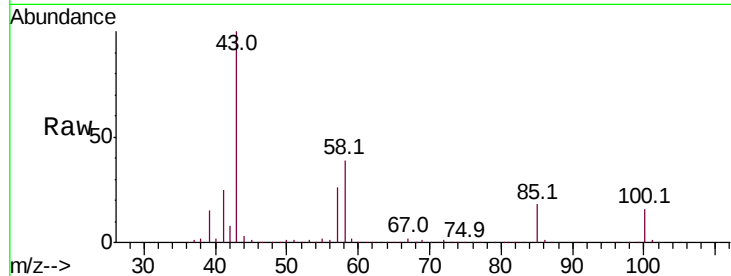
VX0918WBSD01

Tot Ion: 43 Resp: 326596

Ion Ratio Lower Upper

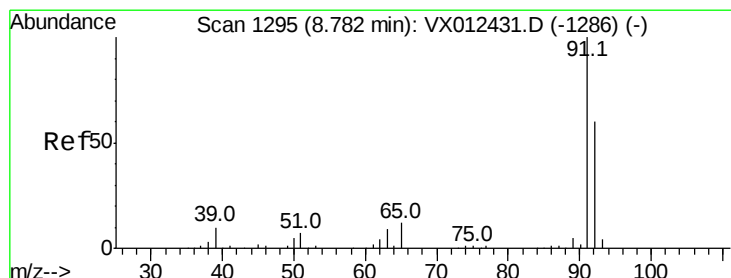
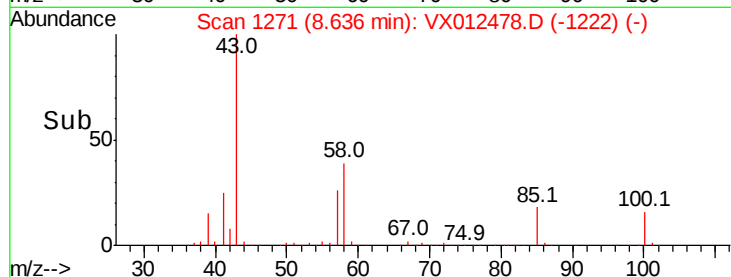
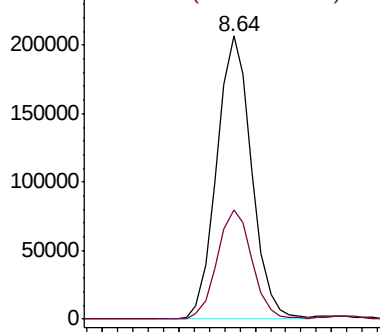
43 100

58 38.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.949 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012478.D

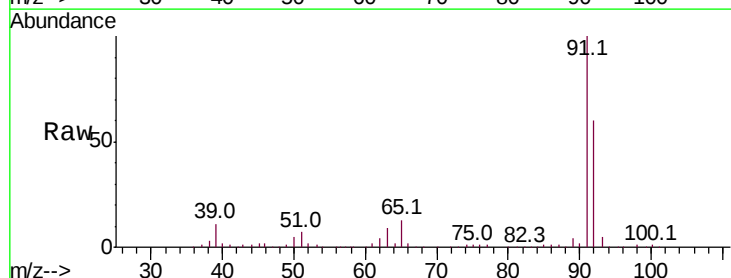
Acq: 18 Sep 2019 16:57

Tgt Ion: 92 Resp: 79627

Ion Ratio Lower Upper

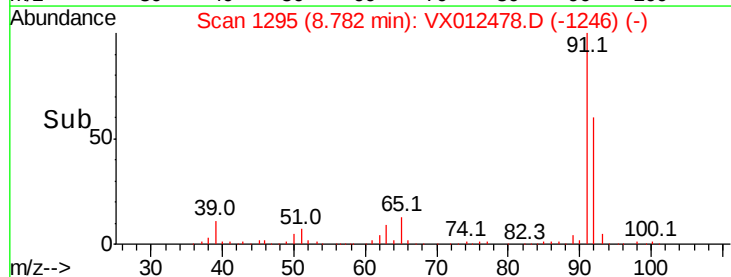
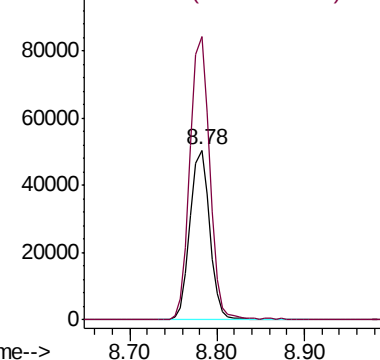
92 100

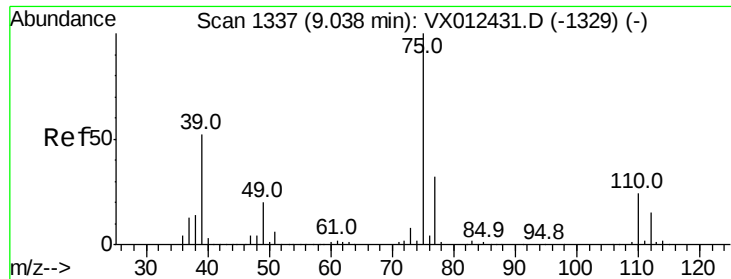
91 164.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.304 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

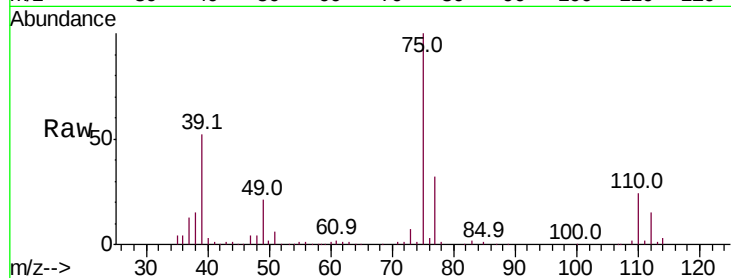
VX0918WBSD01

Tot Ion: 75 Resp: 51927

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

40000

30000

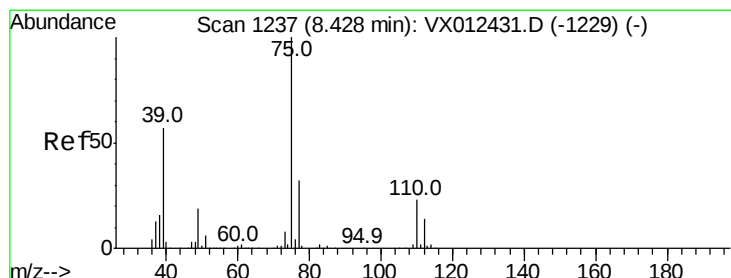
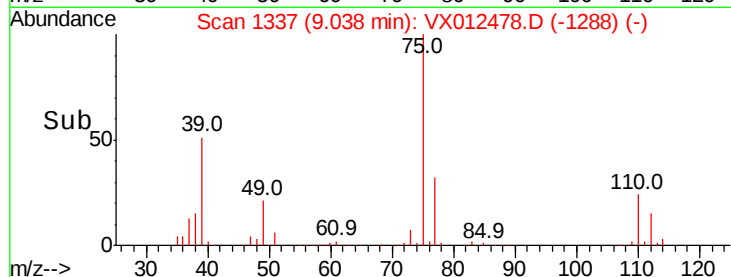
20000

10000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.645 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

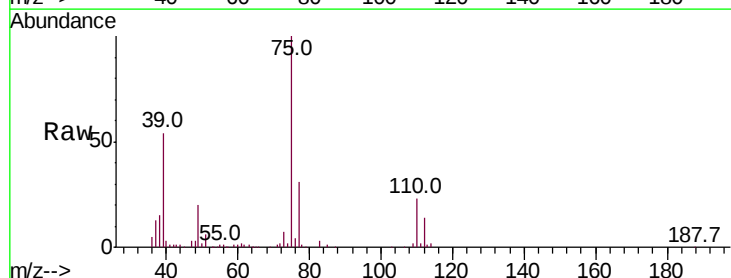
Tgt Ion: 75 Resp: 54817

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

39 54.4 45.5 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

40000

30000

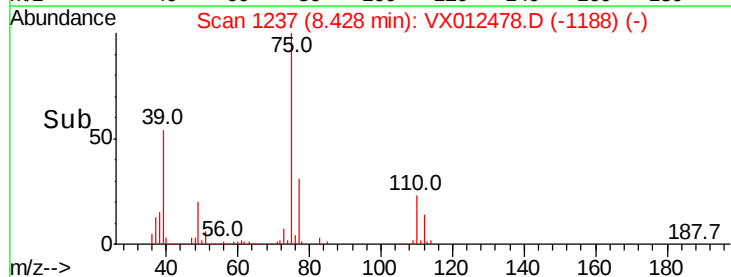
20000

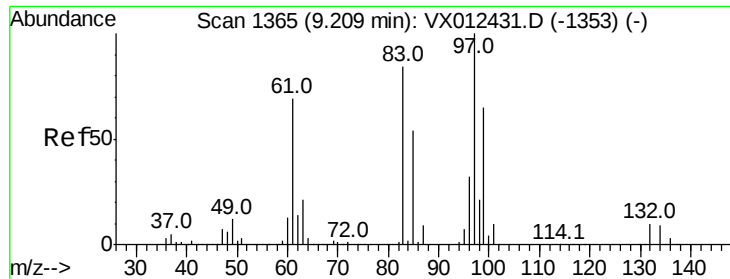
10000

0

8.40 8.50

Time-->

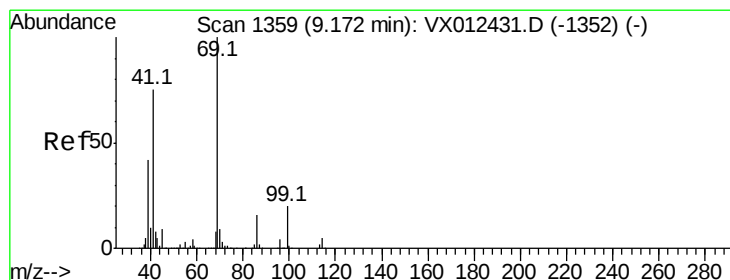
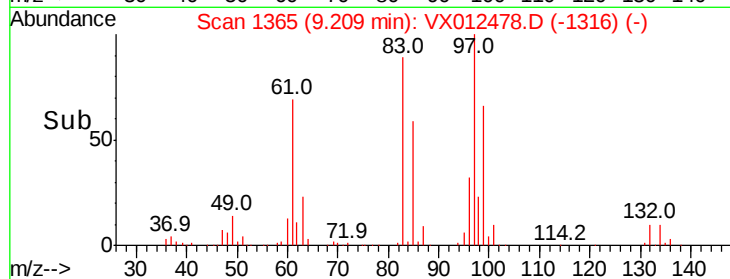
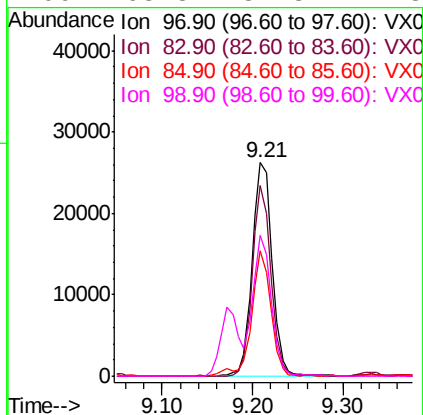
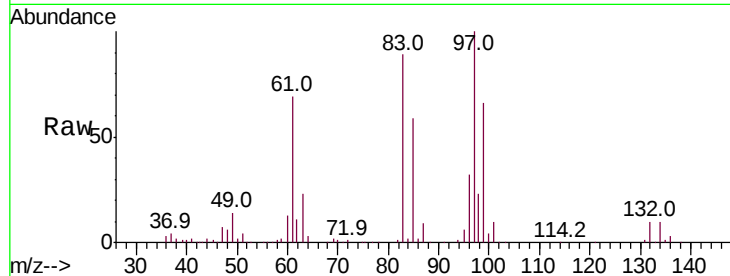




#55
 1,1,2-Trichloroethane
 Concen: 18.546 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

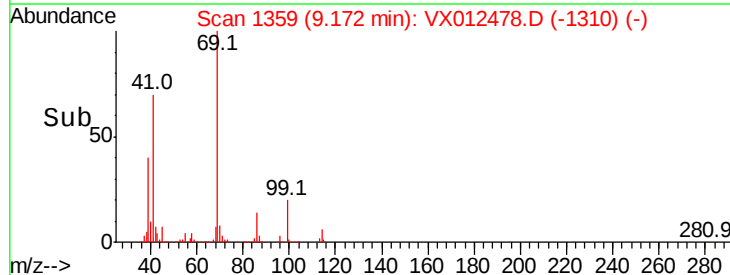
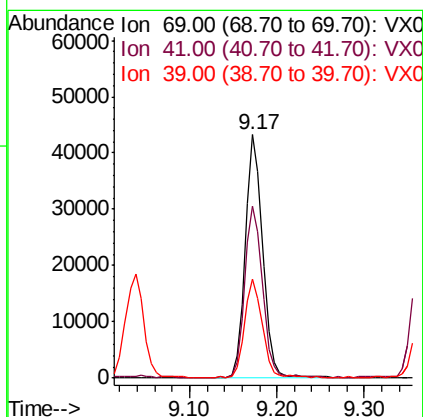
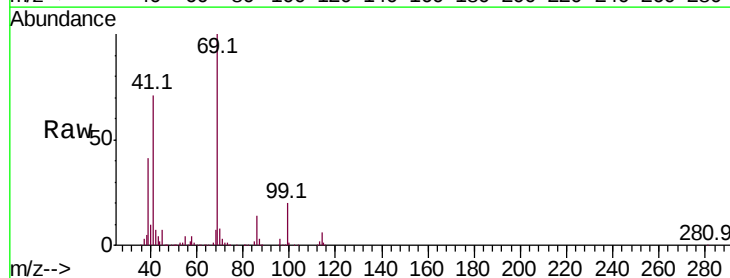
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

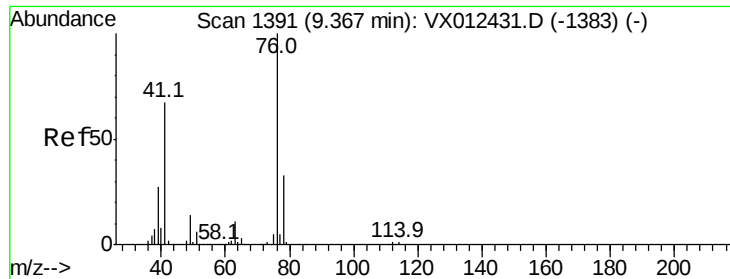
Tot Ion:	97	Resp:	40151
Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.4	101.2
85	58.5	43.5	65.3
99	65.8	51.8	77.8



#56
 Ethyl methacrylate
 Concen: 17.682 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion:	69	Resp:	59852
Ion	Ratio	Lower	Upper
69	100		
41	72.4	58.4	87.6
39	42.1	33.4	50.0





#57

1,3-Dichloropropane

Concen: 18.627 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

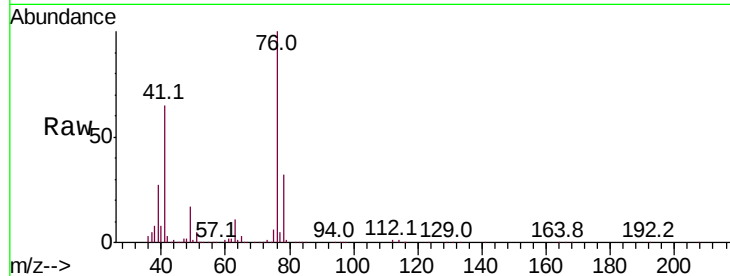
VX0918WBSD01

Tot Ion: 76 Resp: 64339

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

20000

10000

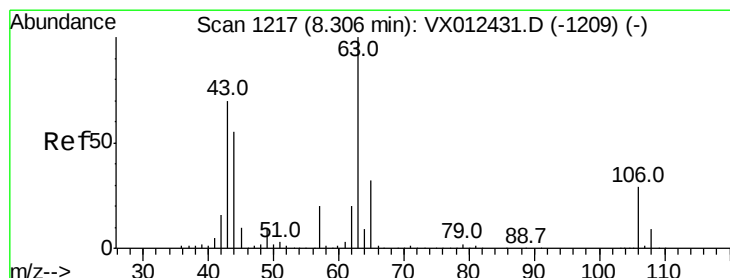
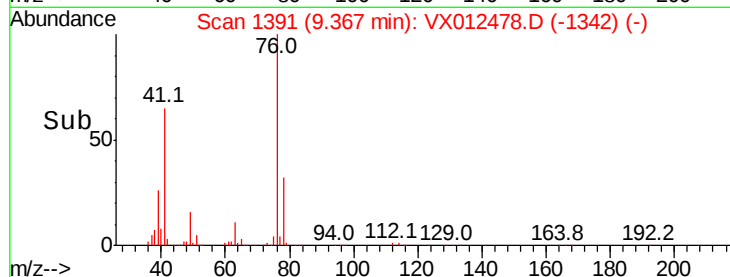
0

9.30

9.35

9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.158 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012478.D

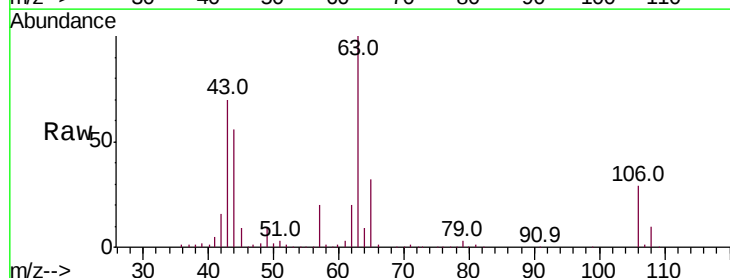
Acq: 18 Sep 2019 16:57

Tgt Ion: 63 Resp: 175489

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

120000

100000

80000

60000

40000

20000

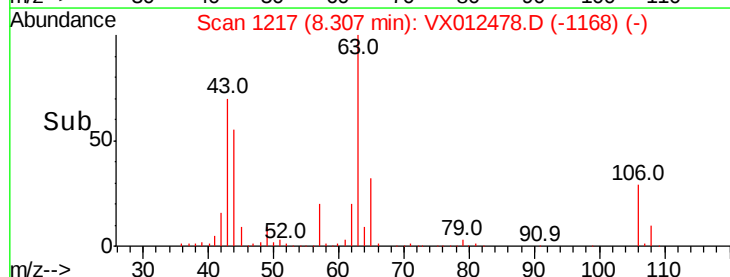
0

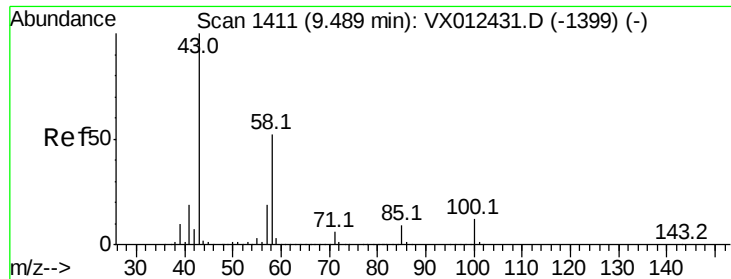
8.20

8.30

8.40

Time-->

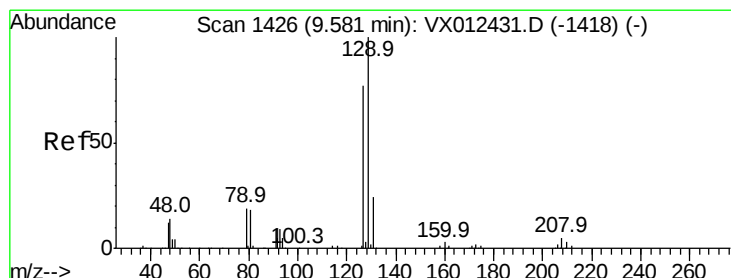
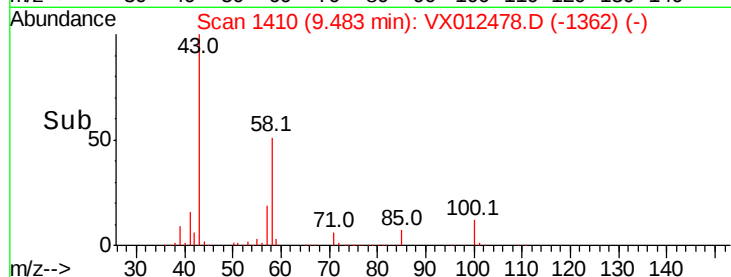
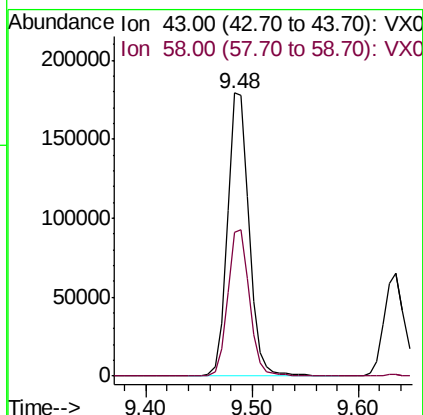
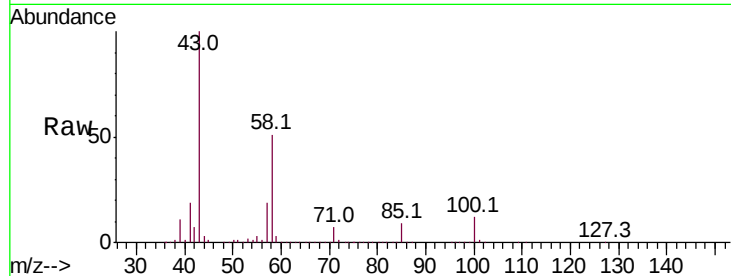




#59
2-Hexanone
Concen: 88.027 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

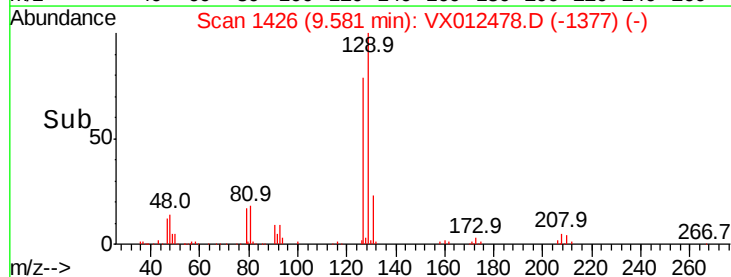
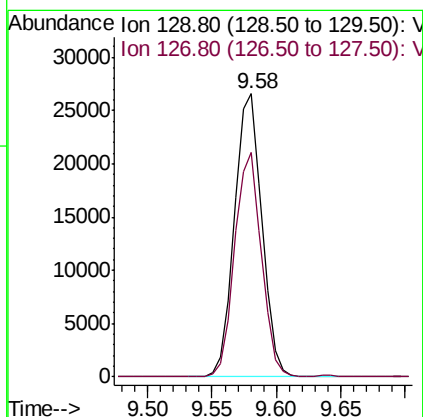
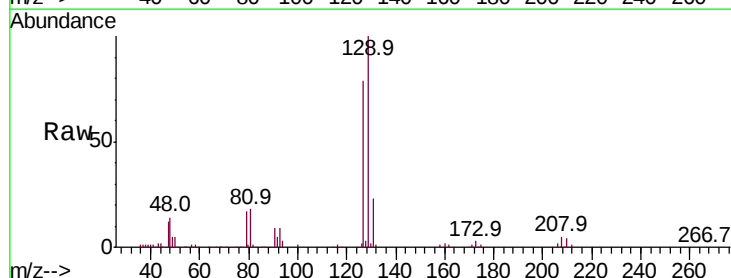
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

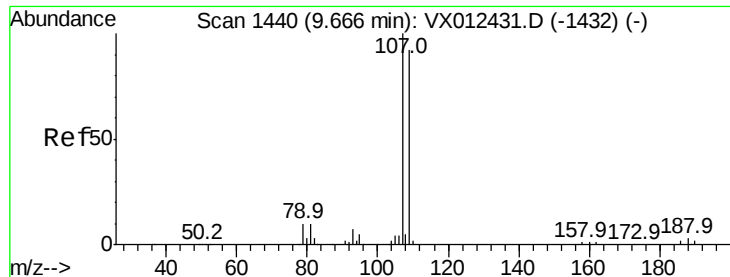
Tot Ion: 43 Resp: 254455
Ion Ratio Lower Upper
43 100
58 52.6 25.7 77.1



#60
Dibromochloromethane
Concen: 17.900 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 129 Resp: 39472
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.672 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

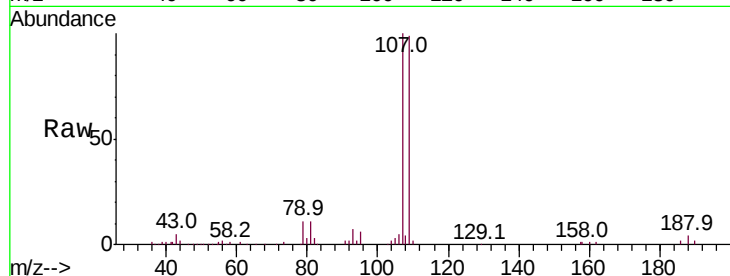
VX0918WBSD01

Tot Ion: 107 Resp: 36919

Ion Ratio Lower Upper

107 100

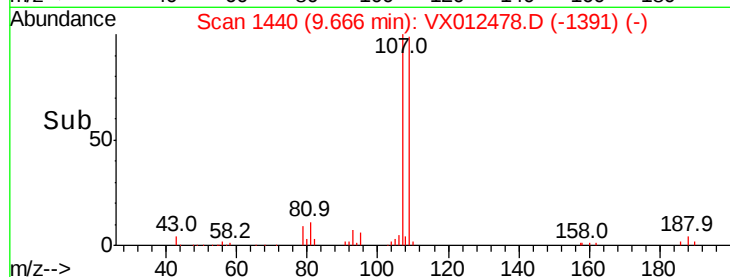
109 96.0 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



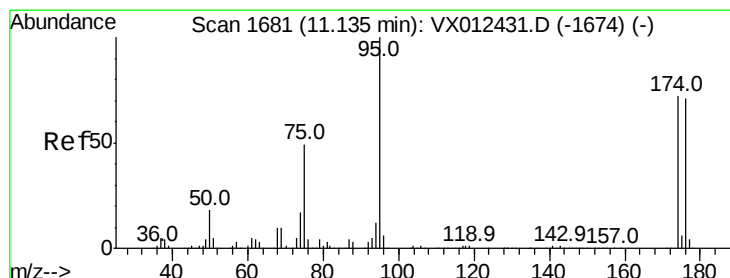
Abundance

Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 47.840 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

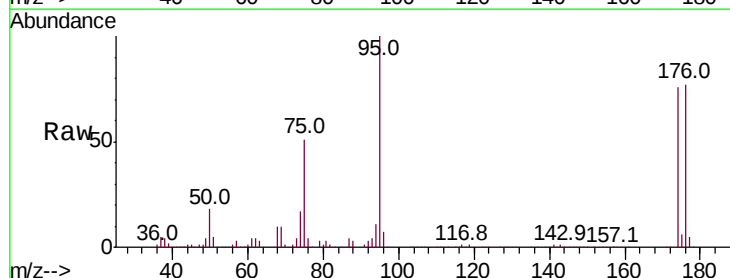
Tgt Ion: 95 Resp: 150159

Ion Ratio Lower Upper

95 100

174 72.2 0.0 140.0

176 71.0 0.0 135.4

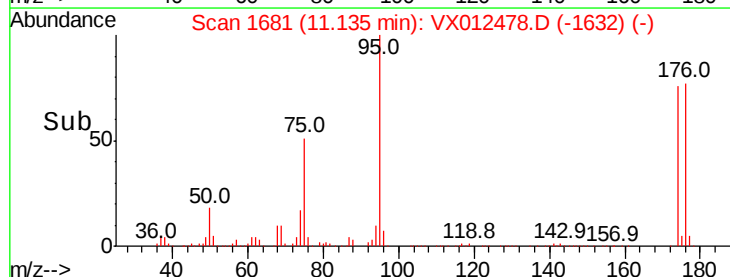


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14



Abundance

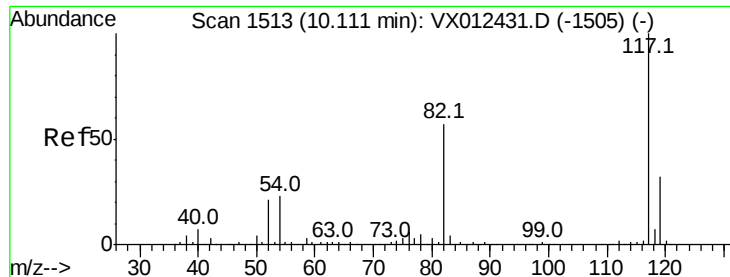
Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

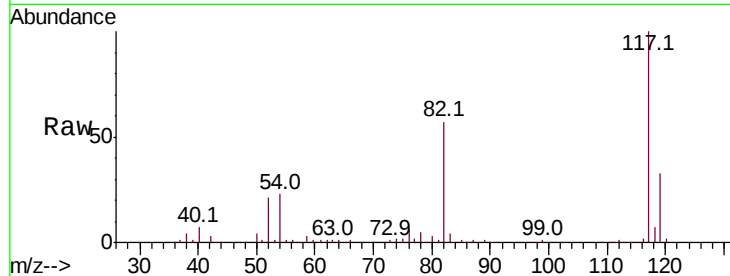
Time-->



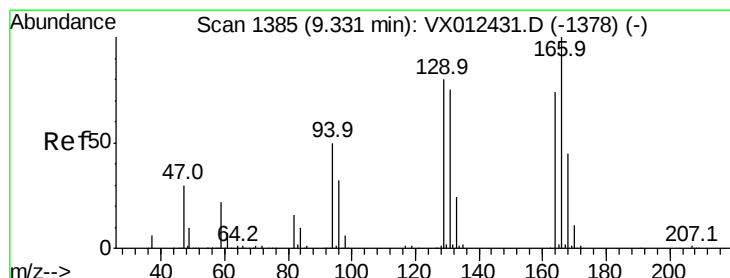
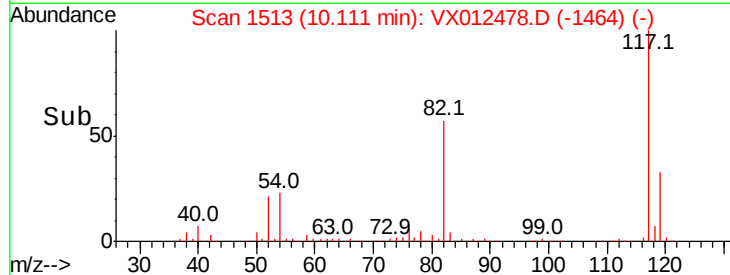
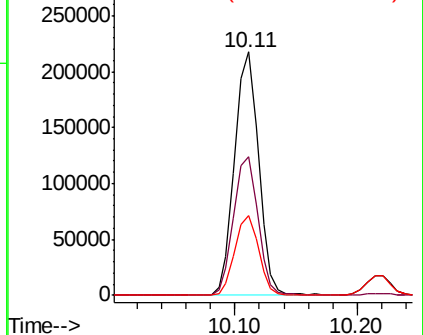
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:117 Resp: 296866
Ion Ratio Lower Upper
117 100
82 57.0 45.9 68.9
119 32.6 25.3 37.9

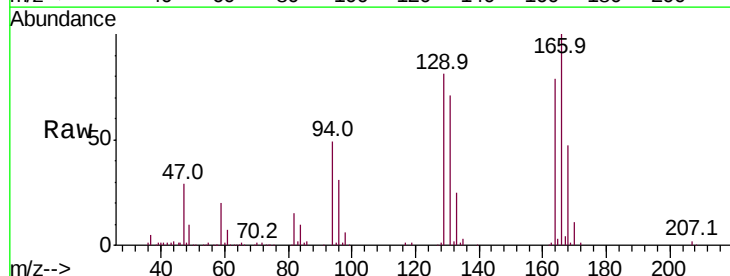


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

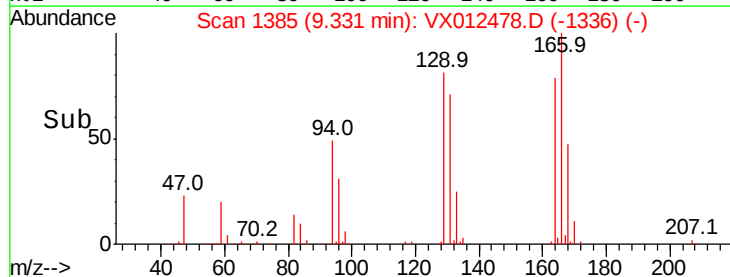
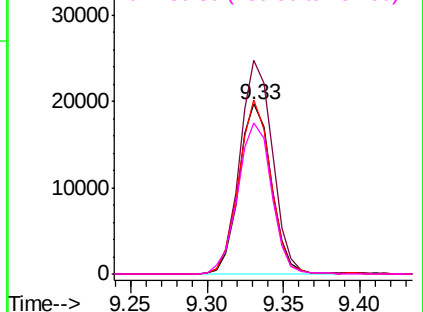


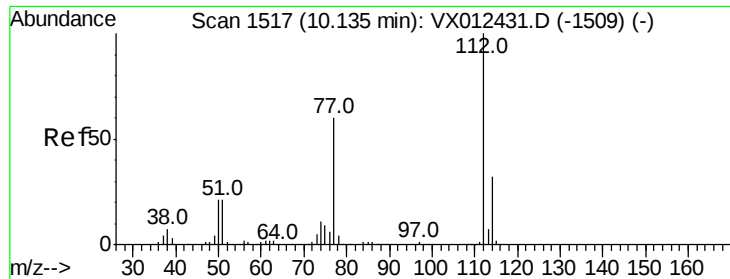
#64
Tetrachloroethene
Concen: 21.309 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion:164 Resp: 28988
Ion Ratio Lower Upper
164 100
166 125.8 107.8 161.6
129 102.2 86.2 129.2
131 89.2 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.333 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

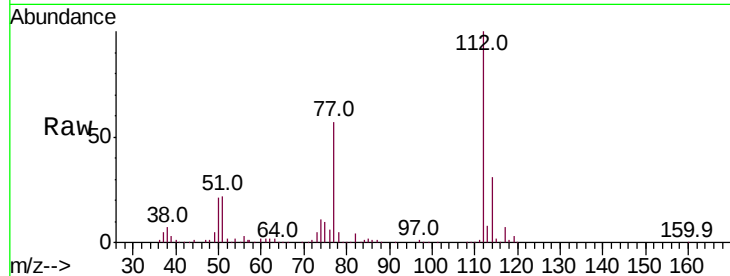
VX0918WBSD01

Tot Ion:112 Resp: 89828

Ion Ratio Lower Upper

112 100

114 31.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

60000

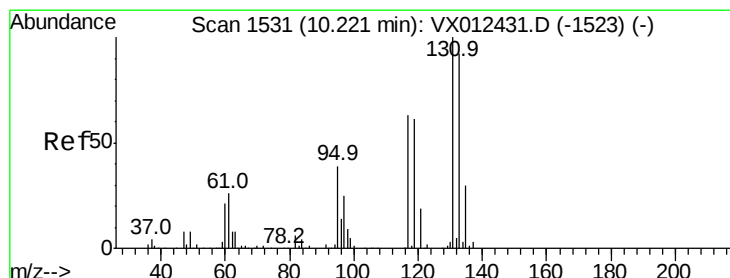
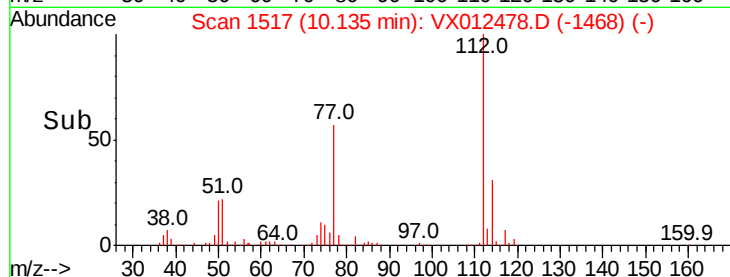
40000

20000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.843 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

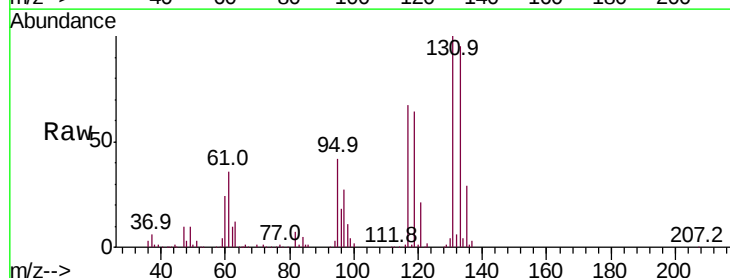
Tgt Ion:131 Resp: 38318

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

119 63.4 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

30000

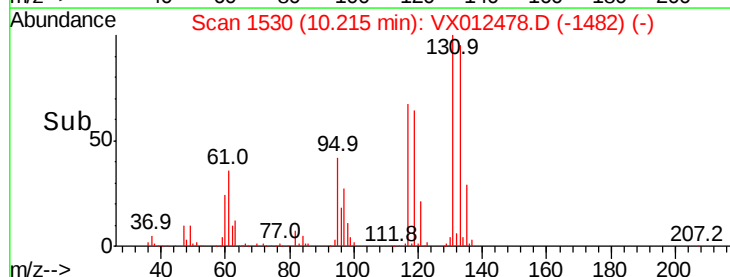
20000

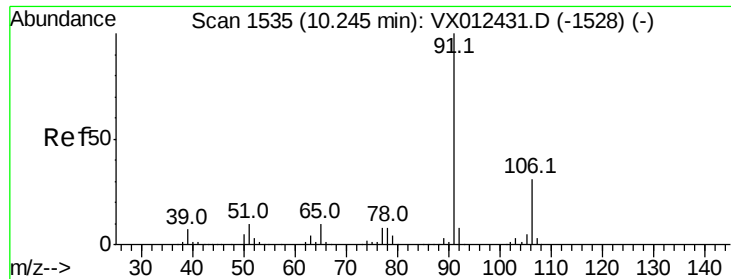
10000

0

10.15 10.25

Time-->

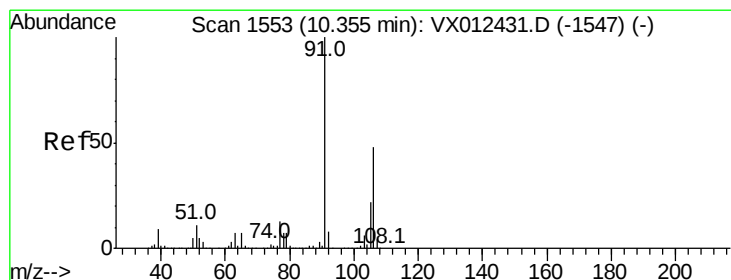
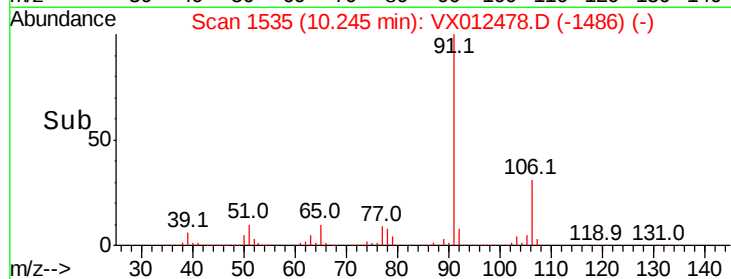
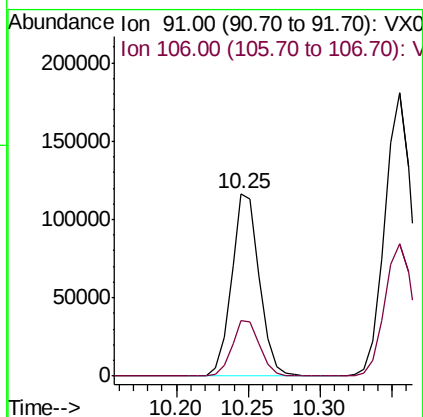
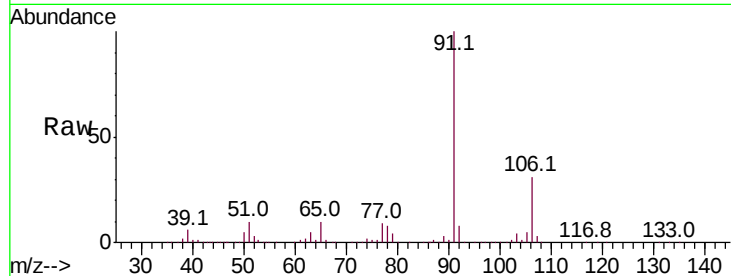




#67
Ethyl Benzene
Concen: 18.684 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

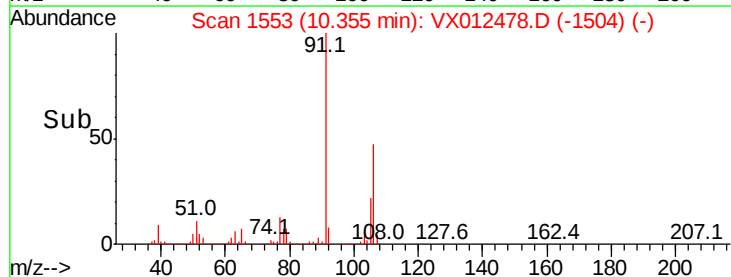
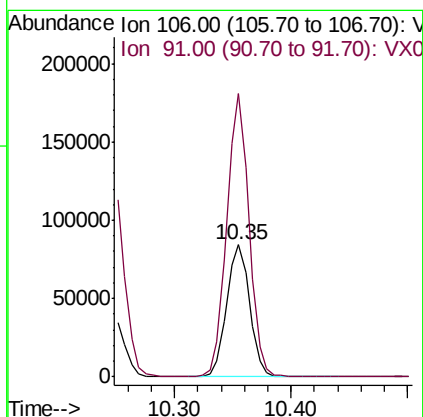
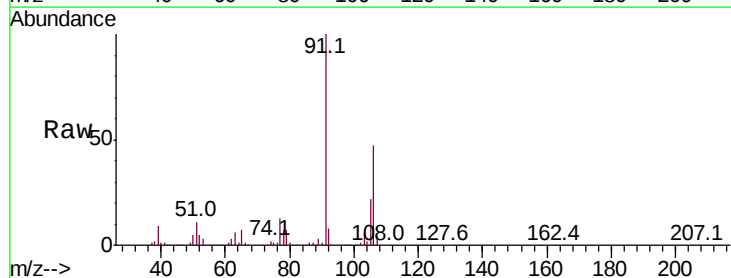
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

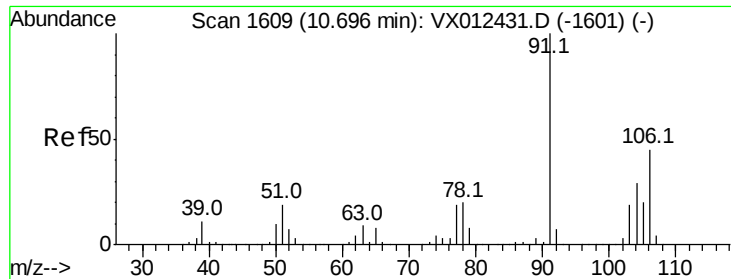
Tot Ion: 91 Resp: 157282
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 37.711 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 106 Resp: 115507
Ion Ratio Lower Upper
106 100
91 208.4 166.6 250.0

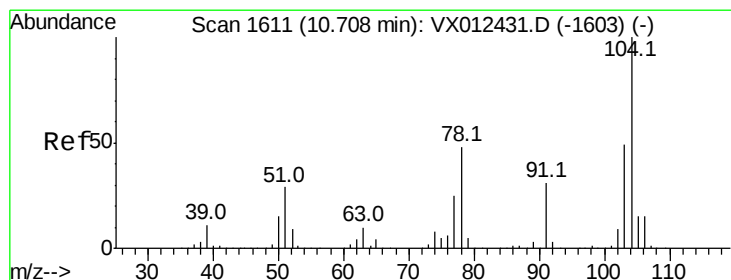
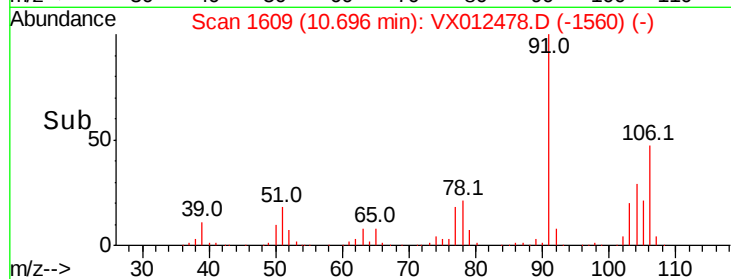
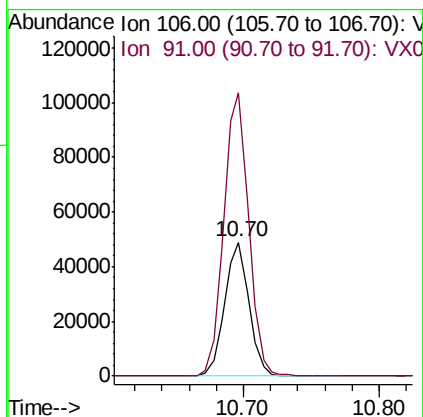
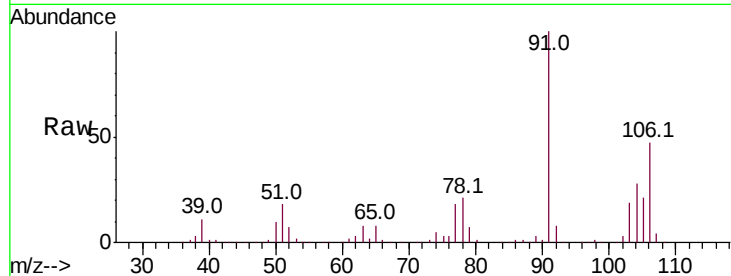




#69
o-Xylene
Concen: 19.180 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

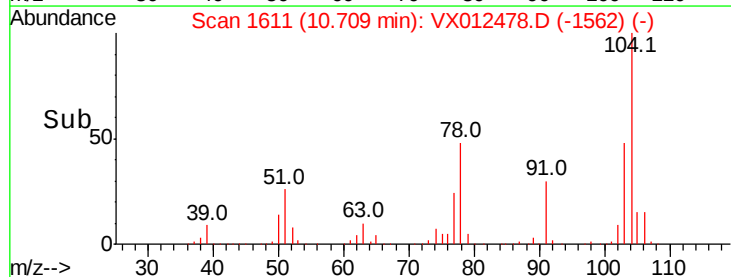
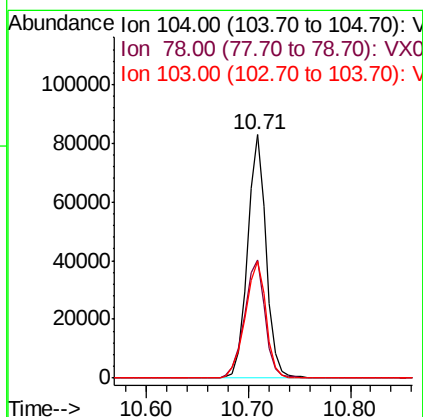
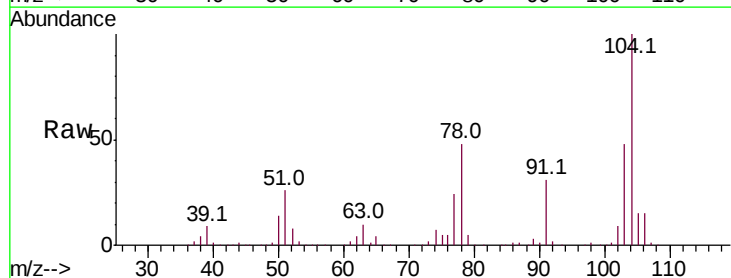
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

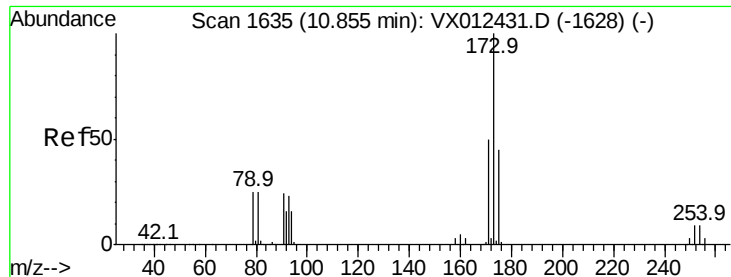
Tot Ion:106 Resp: 60415
Ion Ratio Lower Upper
106 100
91 217.1 109.4 328.2



#70
Styrene
Concen: 18.803 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion:104 Resp: 104795
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.2
103 54.1 43.3 64.9





#71

Bromoform

Concen: 16.968 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

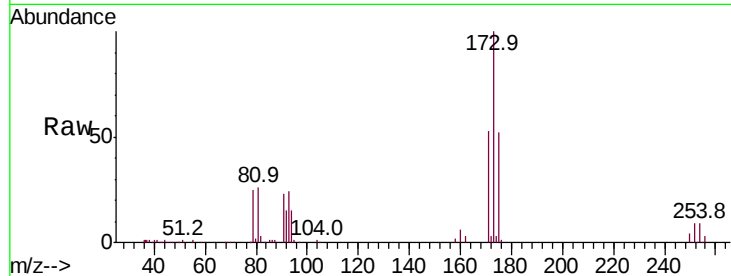
Tot Ion:173 Resp: 26187

Ion Ratio Lower Upper

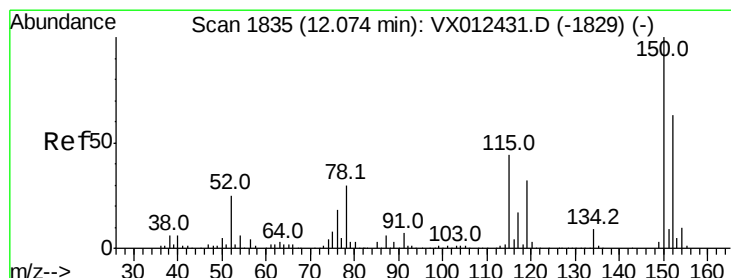
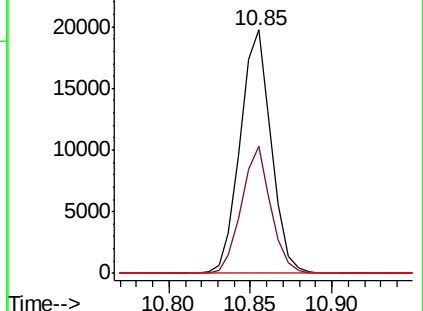
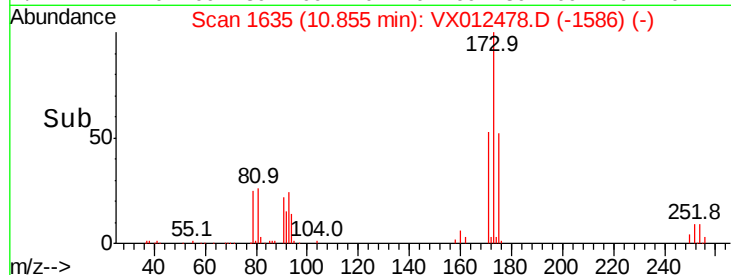
173 100

175 49.2 23.7 71.1

254 0.3 0.1 0.1#



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: VX012478.D

Acq: 18 Sep 2019 16:57

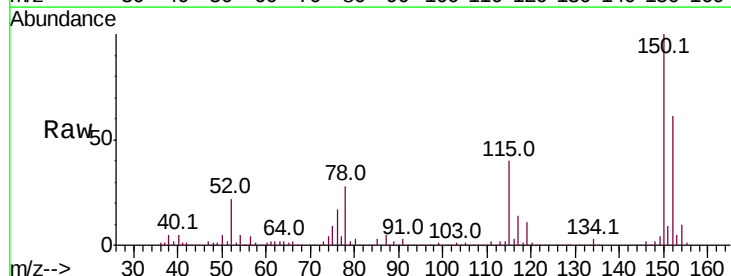
Tgt Ion:152 Resp: 141945

Ion Ratio Lower Upper

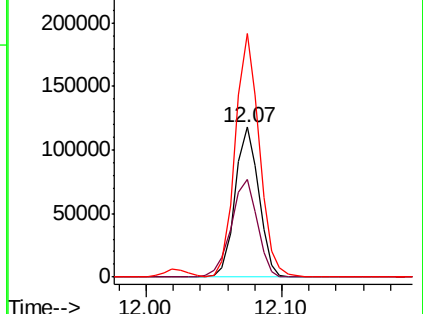
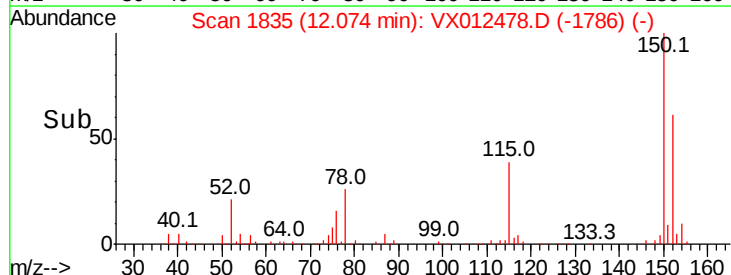
152 100

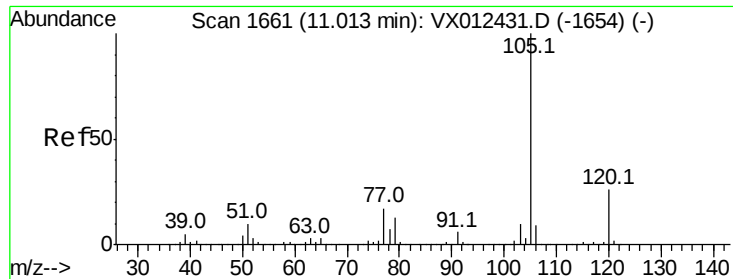
115 72.2 44.1 132.3

150 165.6 0.0 343.8



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: 18.659 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

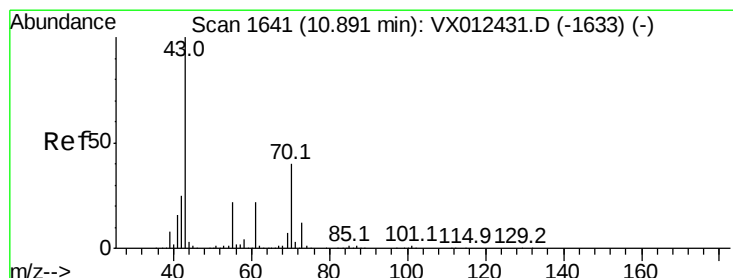
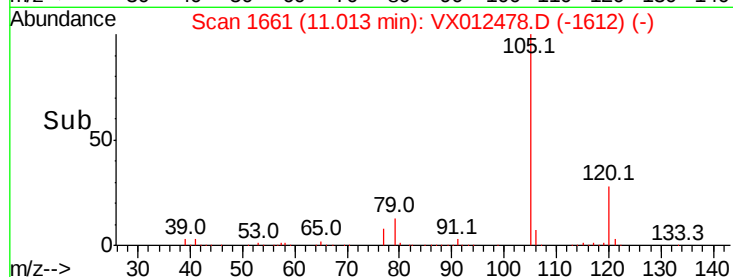
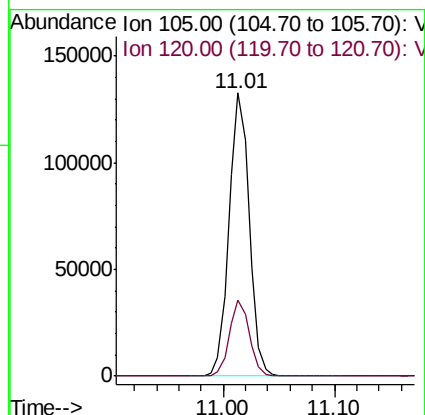
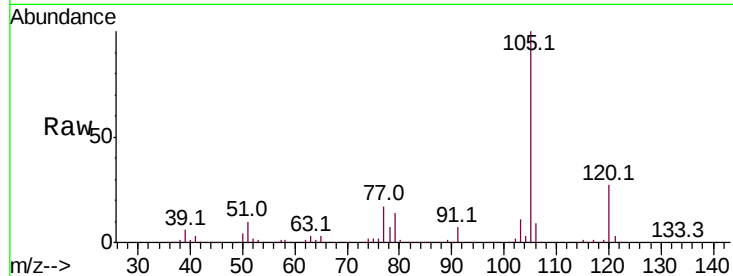
VX0918WBSD01

Tot Ion:105 Resp: 166180

Ion Ratio Lower Upper

105 100

120 26.5 12.9 38.7



#74

N-ethyl acetate

Concen: 17.754 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion: 43 Resp: 85130

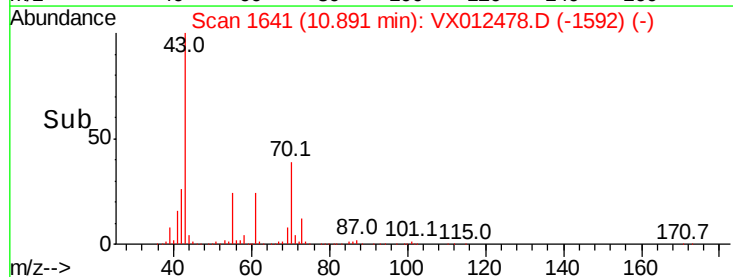
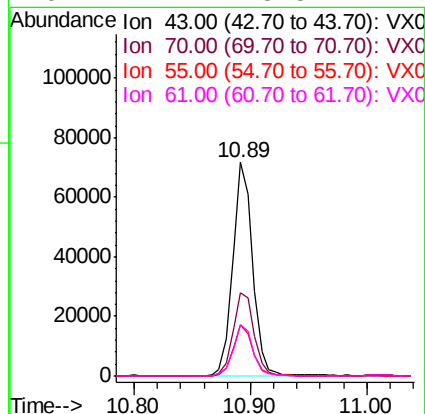
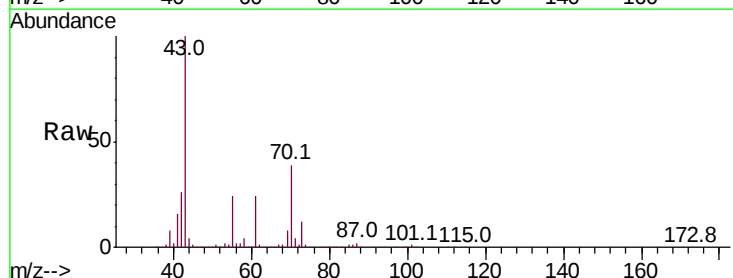
Ion Ratio Lower Upper

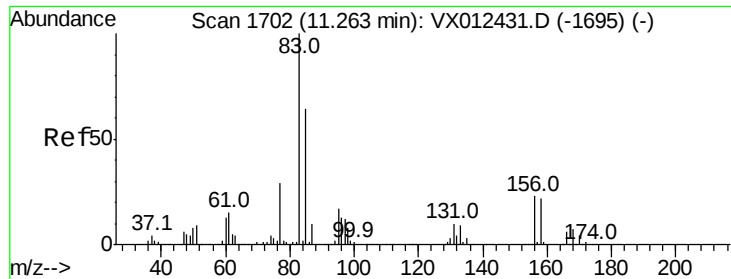
43 100

70 41.4 32.4 48.6

55 24.0 18.2 27.4

61 24.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.203 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

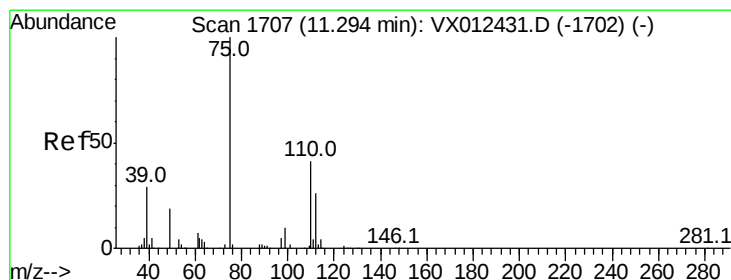
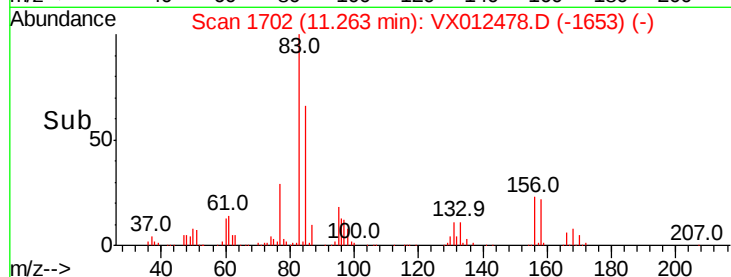
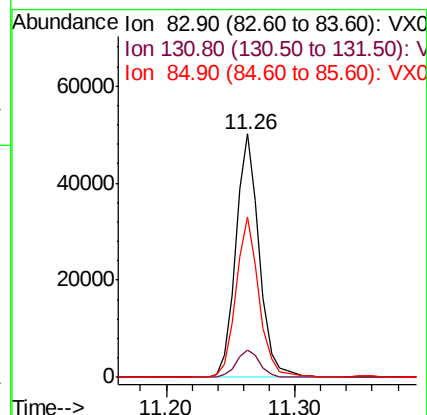
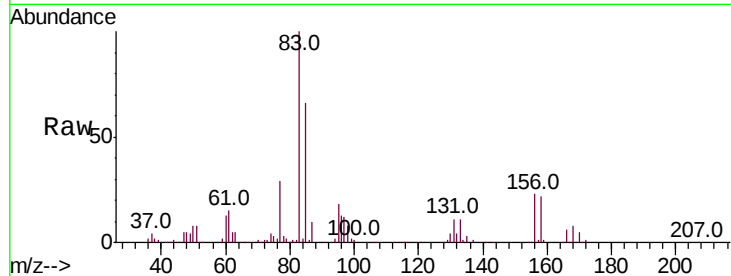
Tot Ion: 83 Resp: 63595

Ion Ratio Lower Upper

83 100

131 11.4 5.2 15.6

85 65.0 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 22.449 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012478.D

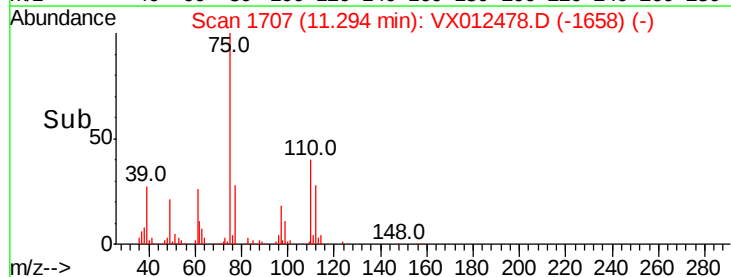
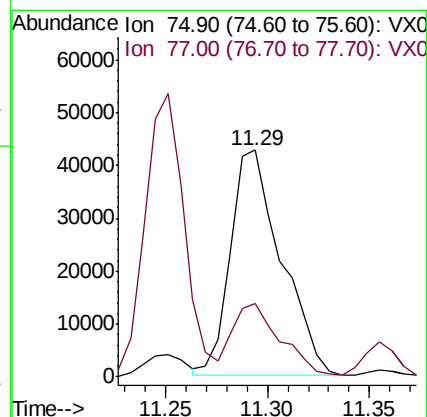
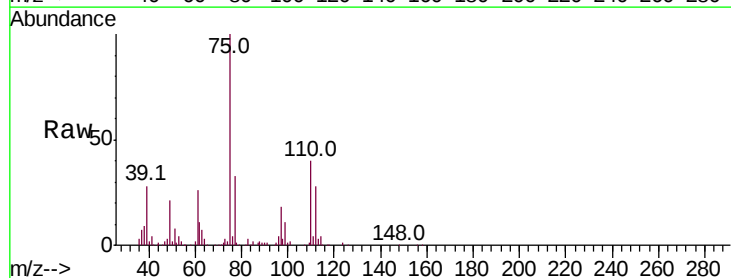
Acq: 18 Sep 2019 16:57

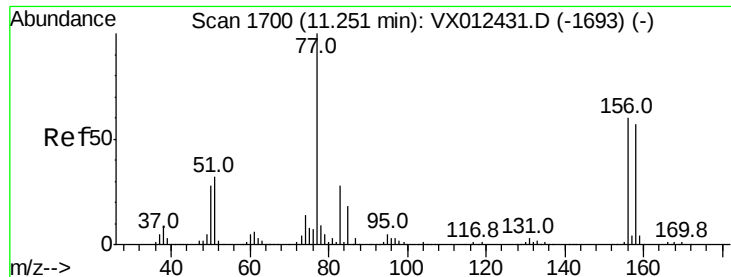
Tgt Ion: 75 Resp: 73198

Ion Ratio Lower Upper

75 100

77 31.1 19.7 59.0





#77

Bromobenzene

Concen: 19.521 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

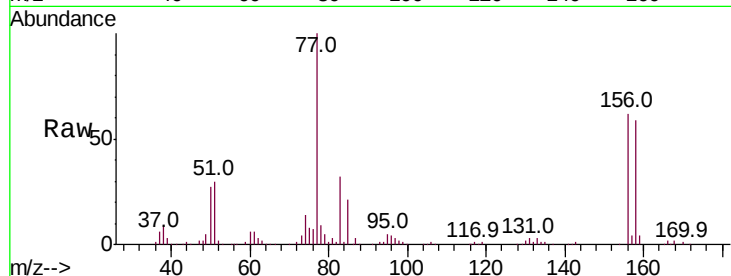
Tot Ion:156 Resp: 42400

Ion Ratio Lower Upper

156 100

77 168.5 87.3 261.8

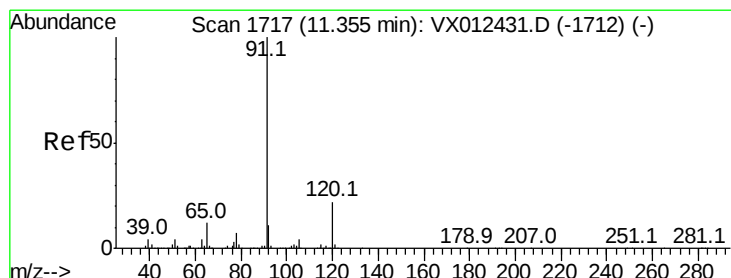
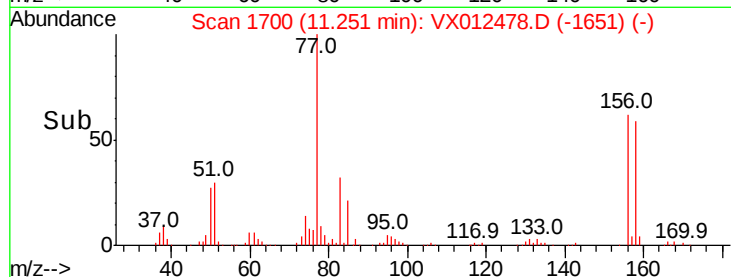
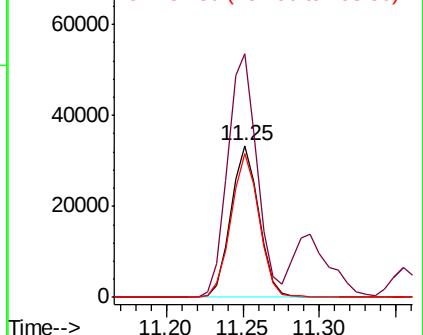
158 95.1 48.5 145.6



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: 18.493 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012478.D

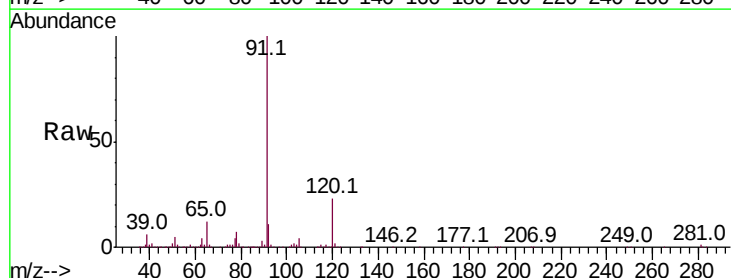
Acq: 18 Sep 2019 16:57

Tgt Ion: 91 Resp: 183566

Ion Ratio Lower Upper

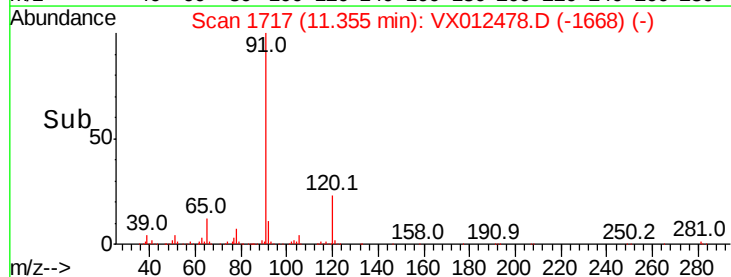
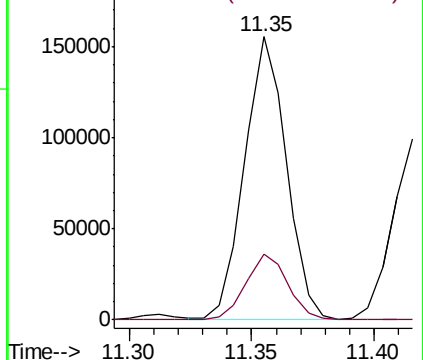
91 100

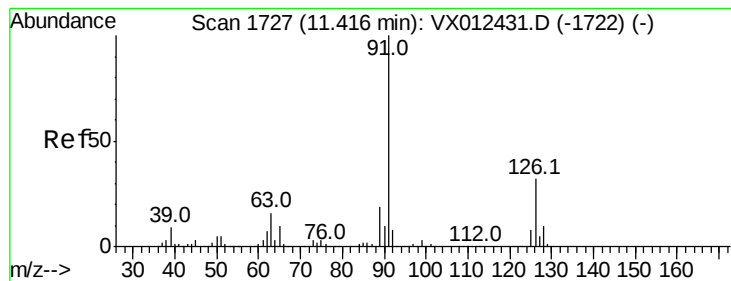
120 23.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.612 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

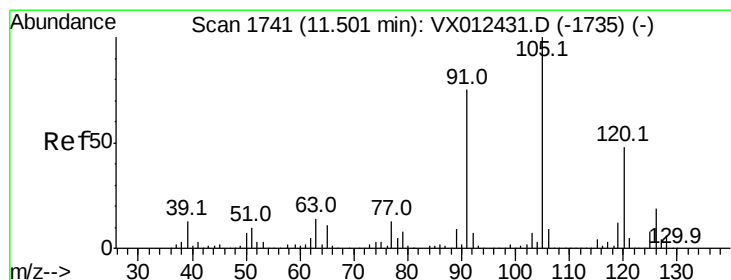
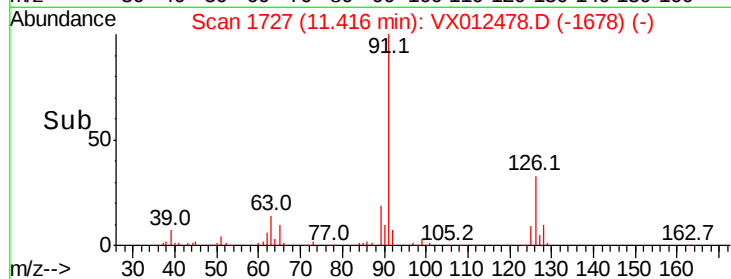
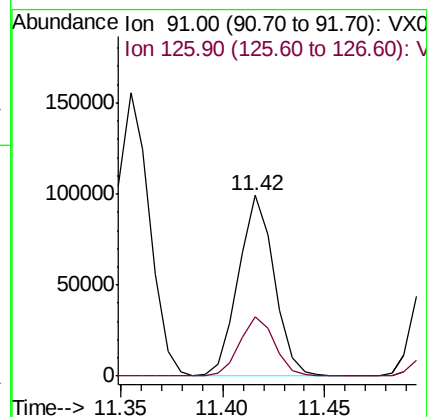
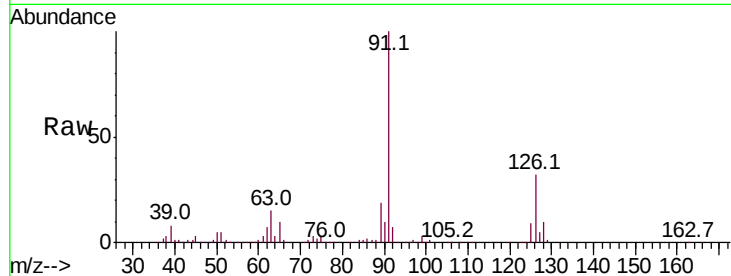
VX0918WBSD01

Tot Ion: 91 Resp: 120187

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 18.918 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012478.D

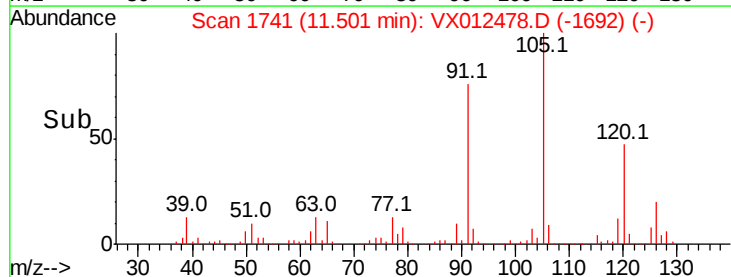
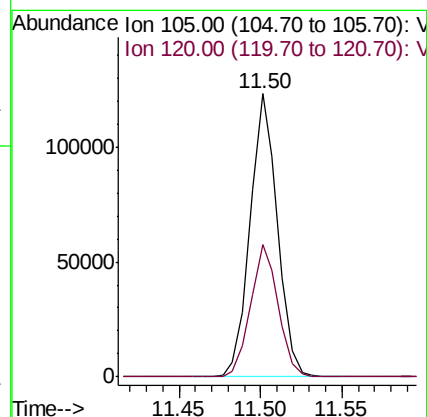
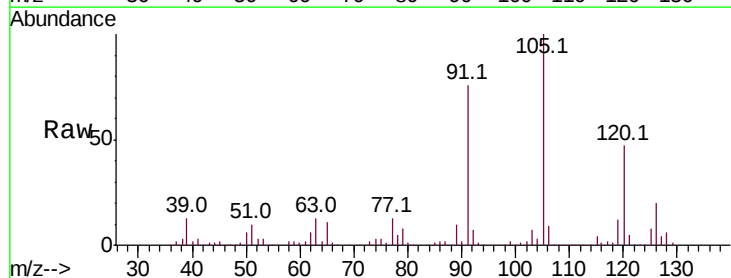
Acq: 18 Sep 2019 16:57

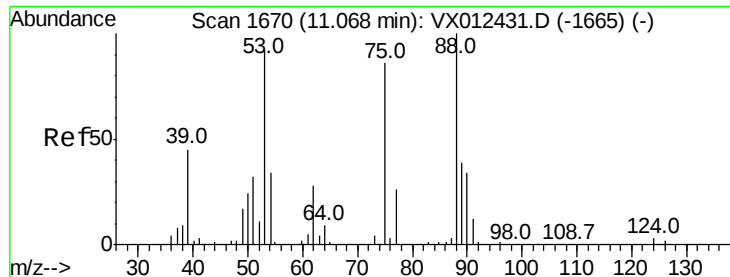
Tgt Ion:105 Resp: 143696

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.363 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

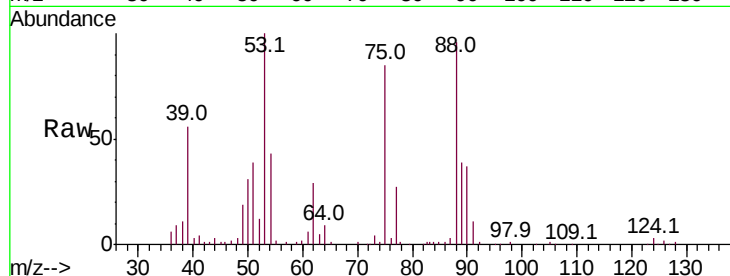
Tot Ion: 75 Resp: 18063

Ion Ratio Lower Upper

75 100

53 115.1 83.6 125.4

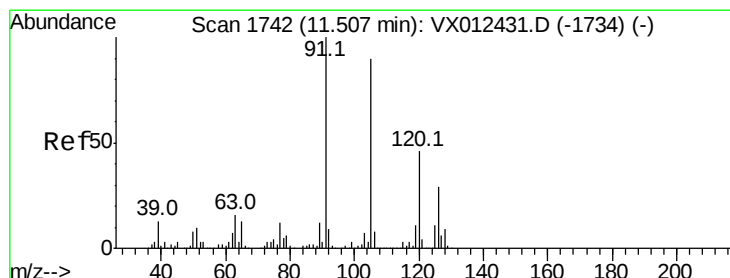
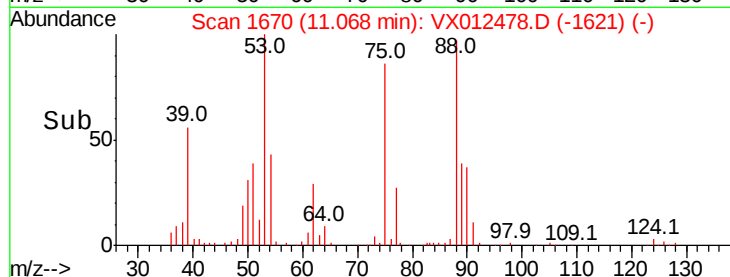
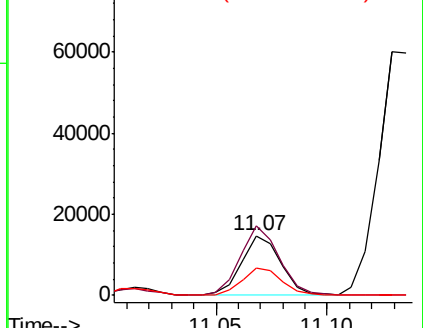
89 46.7 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.860 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012478.D

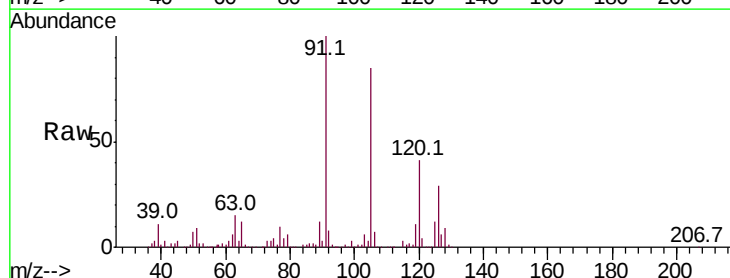
Acq: 18 Sep 2019 16:57

Tgt Ion: 91 Resp: 139777

Ion Ratio Lower Upper

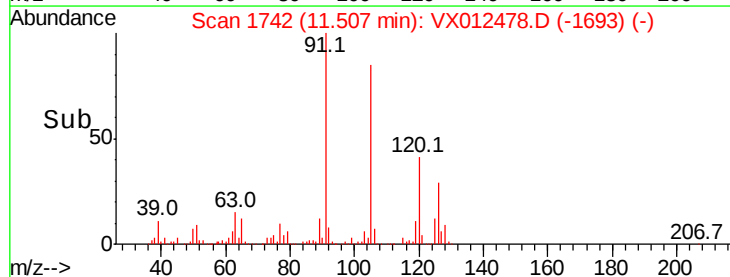
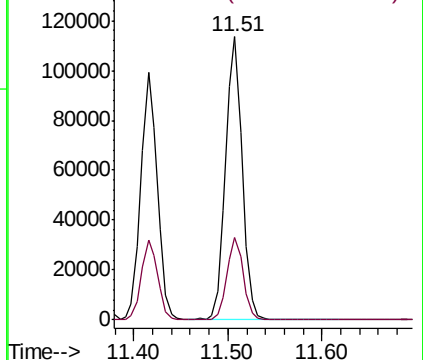
91 100

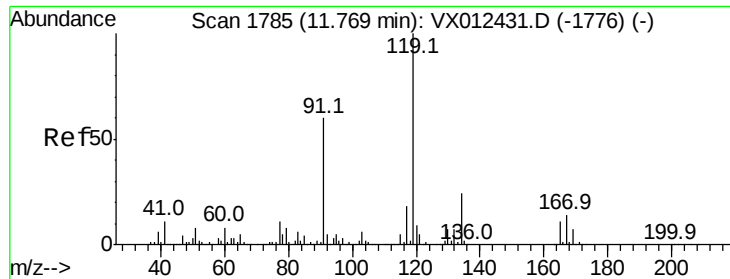
126 28.5 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

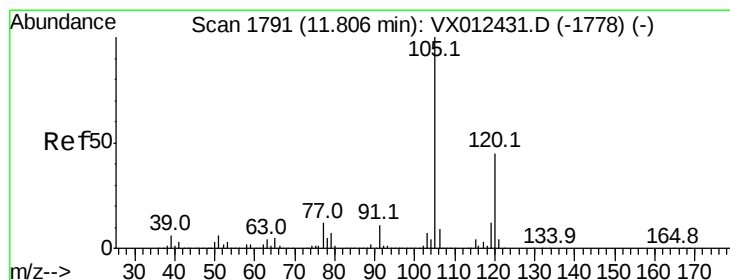
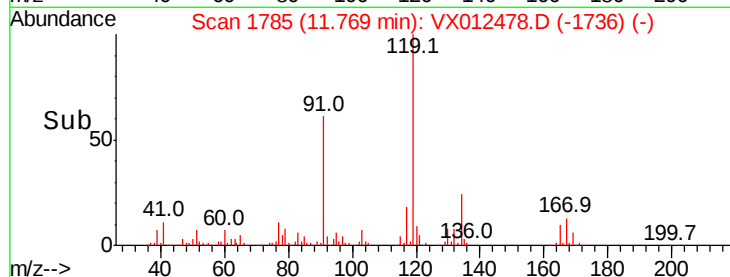
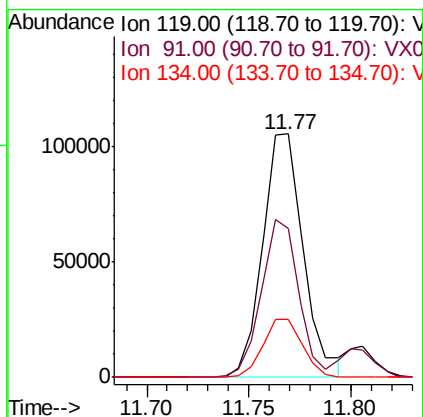
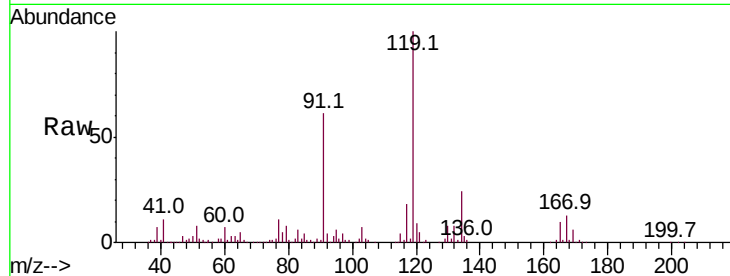




#83
tert-Butylbenzene
Concen: 18.085 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

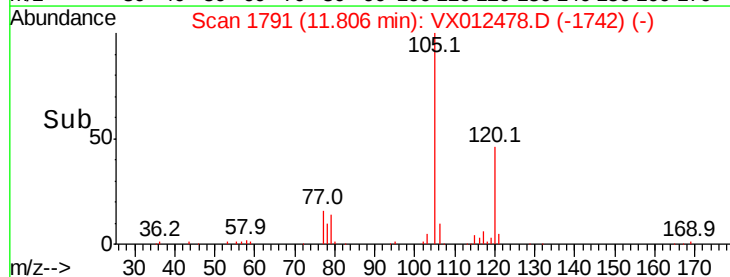
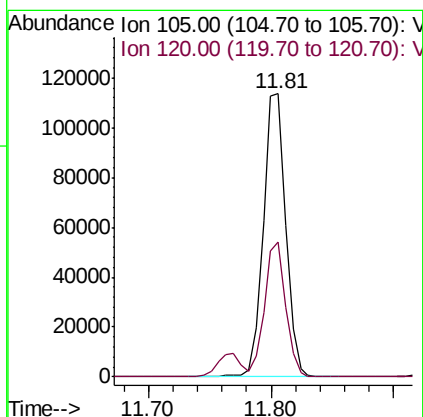
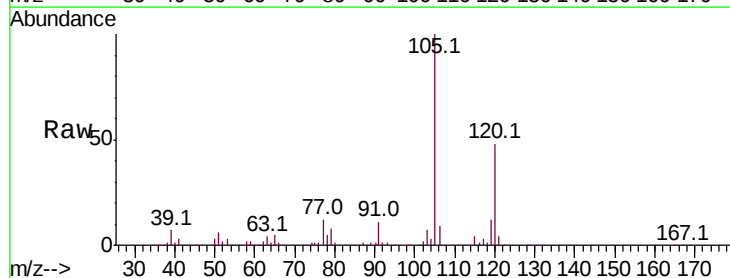
Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

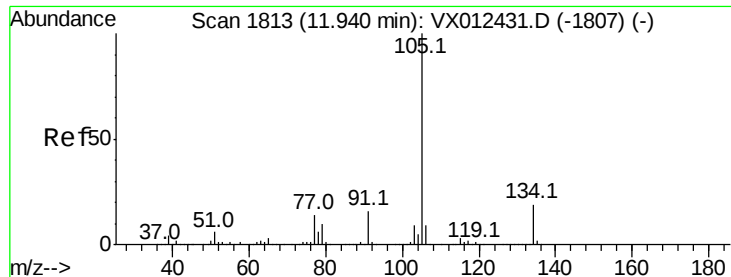
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.0	90.0
134	23.3	11.3	33.9



#84
1,2,4-Trimethylbenzene
Concen: 18.753 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6





#85

sec-Butylbenzene

Concen: 18.298 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

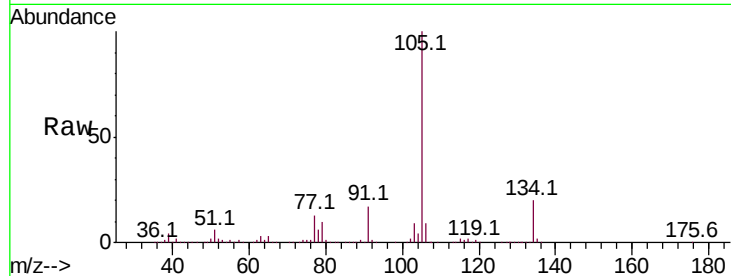
VX0918WBSD01

Tot Ion:105 Resp: 164105

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

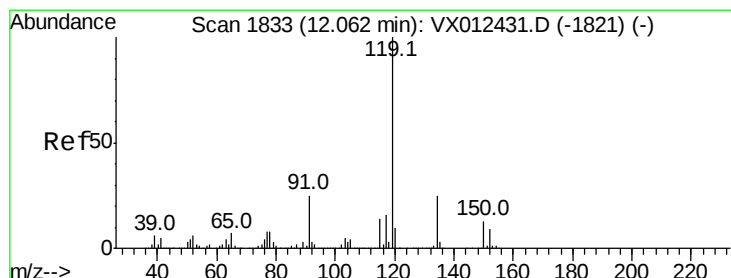
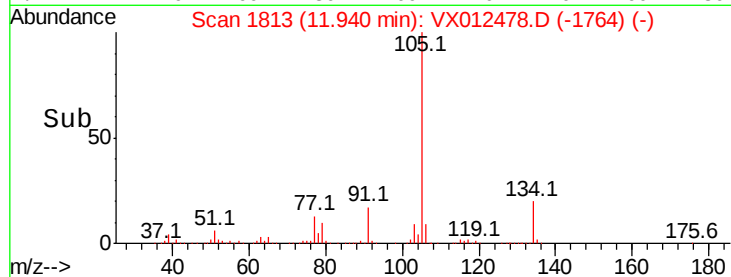
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.369 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

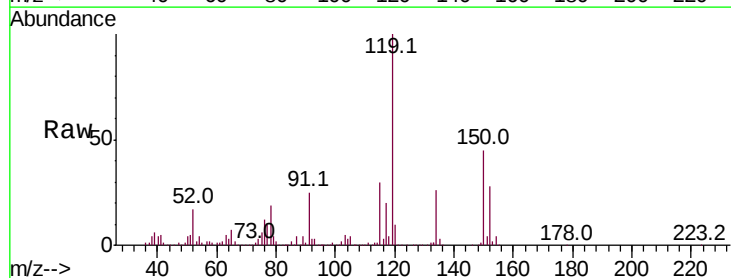
Tgt Ion:119 Resp: 151274

Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

91 26.7 12.8 38.4



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

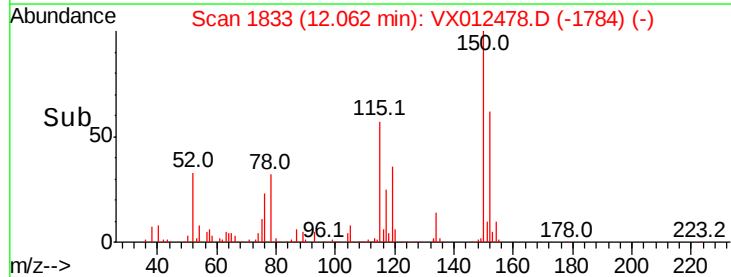
150000

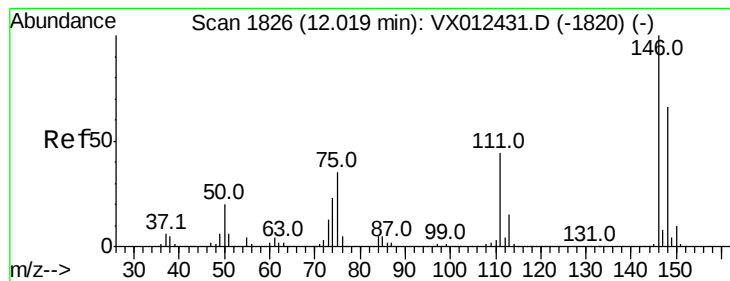
100000

50000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 18.705 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

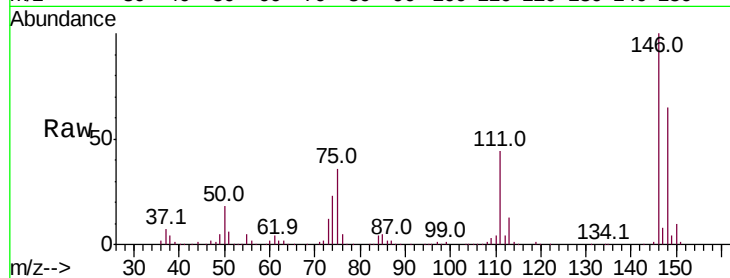
Tot Ion:146 Resp: 76425

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.7	32.4	97.2

146 100

111 42.1 21.3 64.0

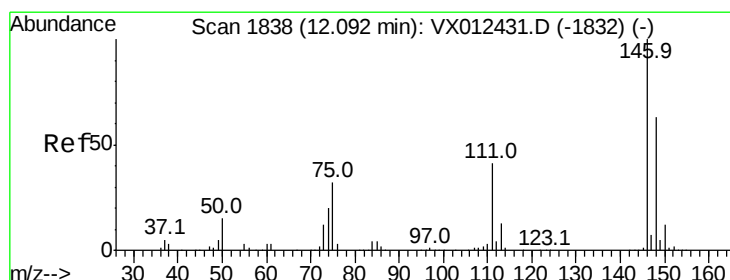
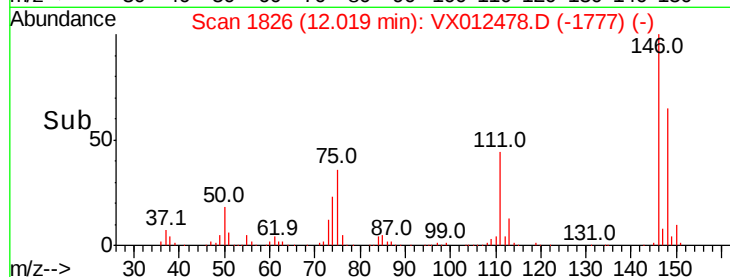
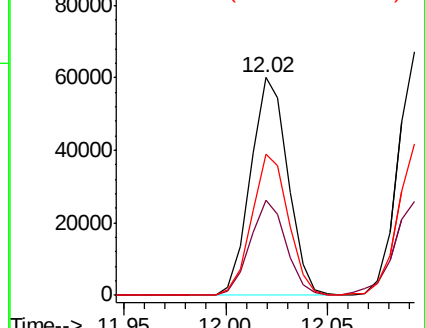
148 63.7 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.130 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

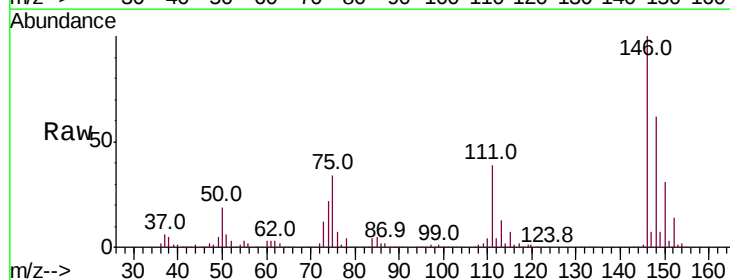
Tgt Ion:146 Resp: 80290

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.9	32.1	96.5

146 100

111 42.2 21.1 63.3

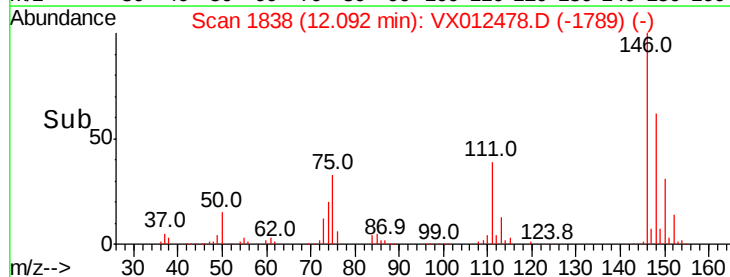
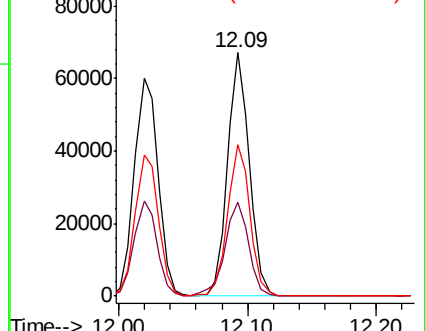
148 63.9 32.1 96.5

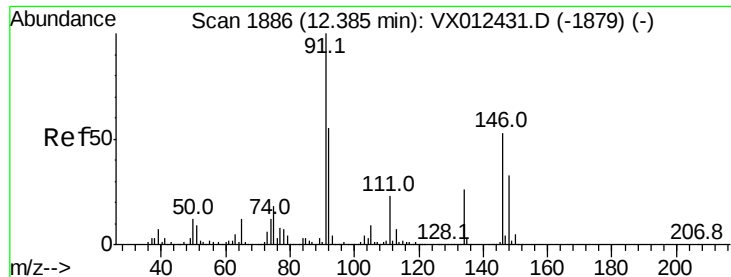


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.721 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

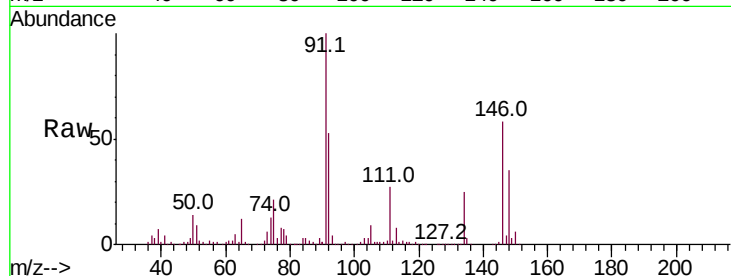
Tot Ion: 91 Resp: 130215

Ion Ratio Lower Upper

91 100

92 54.7 27.7 83.0

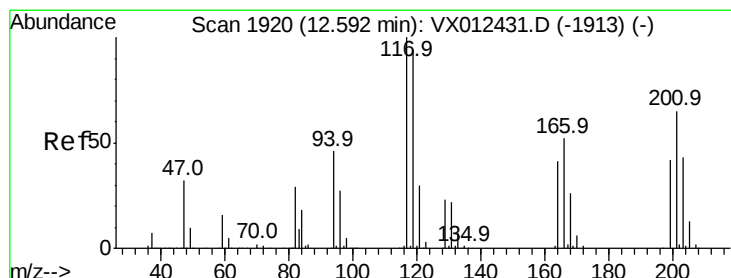
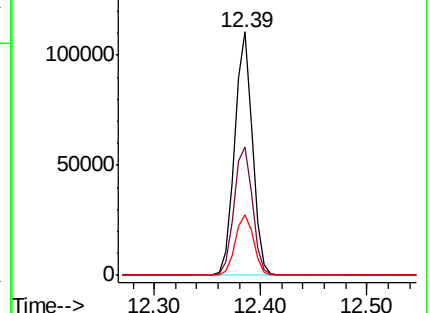
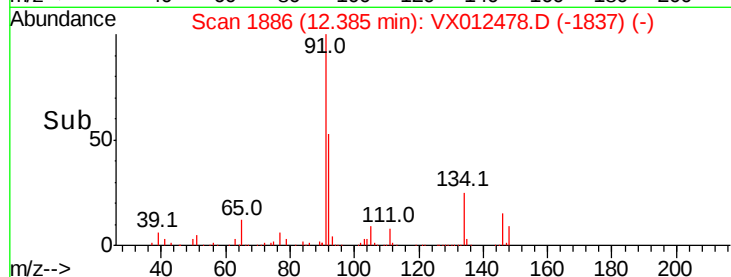
134 25.8 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 16.603 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012478.D

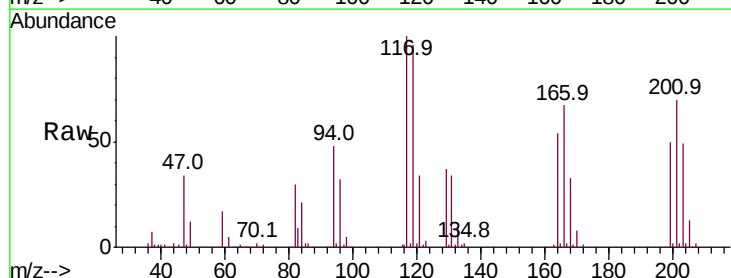
Acq: 18 Sep 2019 16:57

Tgt Ion: 117 Resp: 25071

Ion Ratio Lower Upper

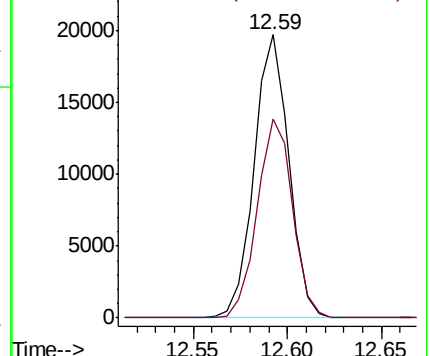
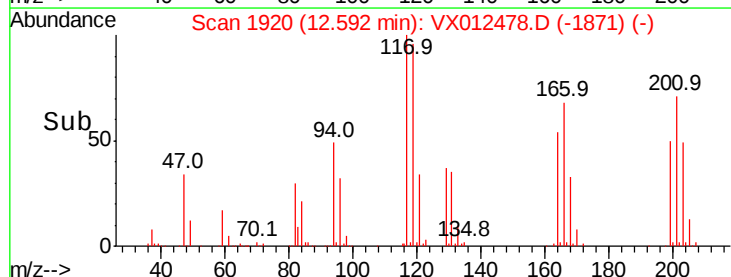
117 100

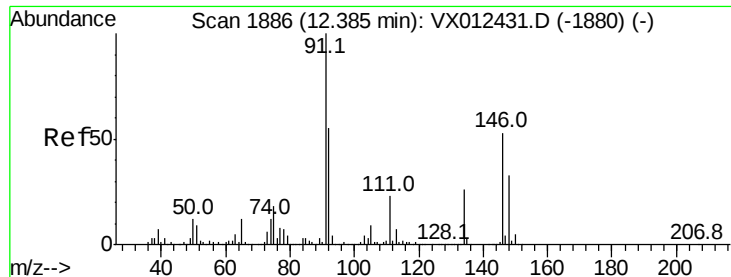
201 71.7 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

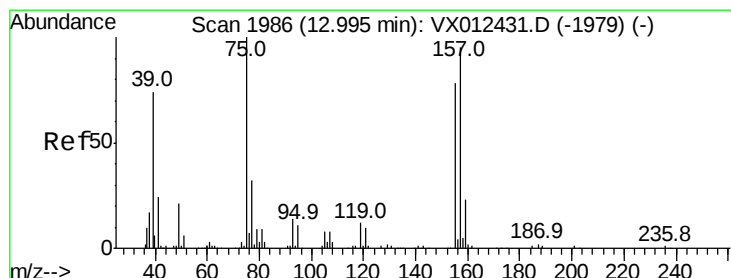
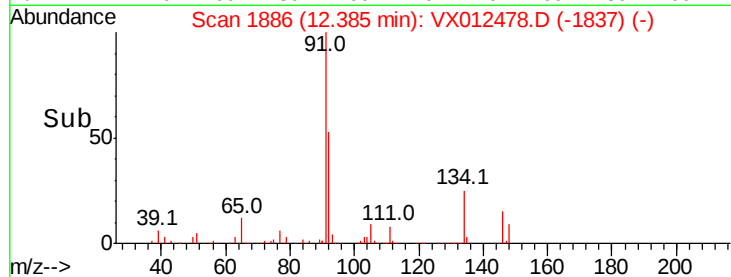
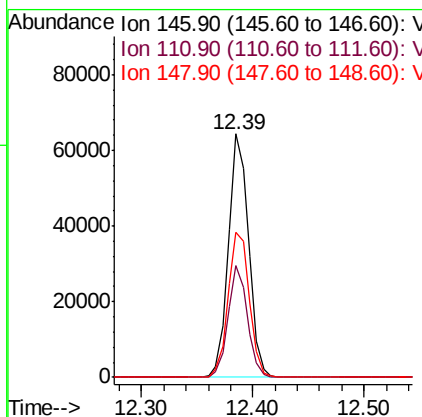
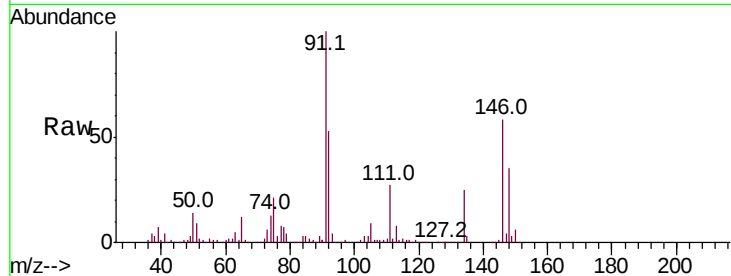




#91
 1,2-Dichlorobenzene
 Concen: 18.886 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

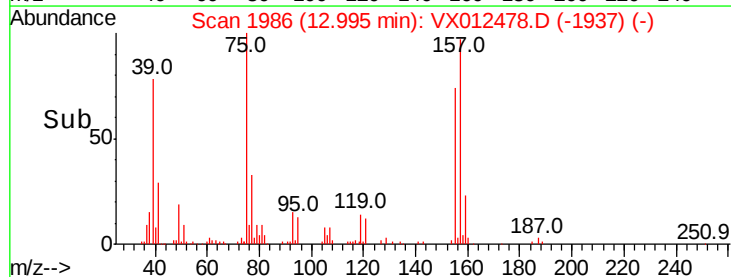
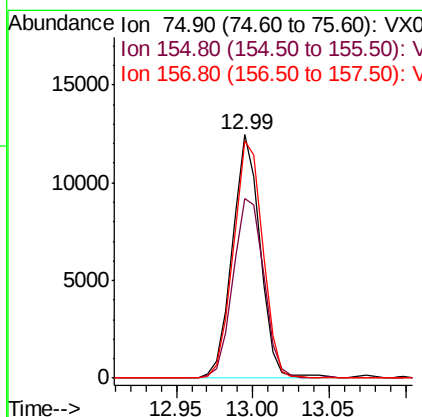
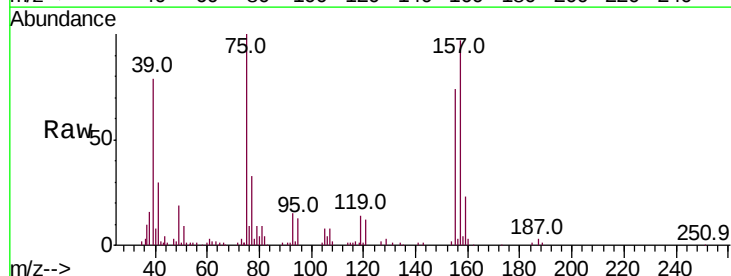
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

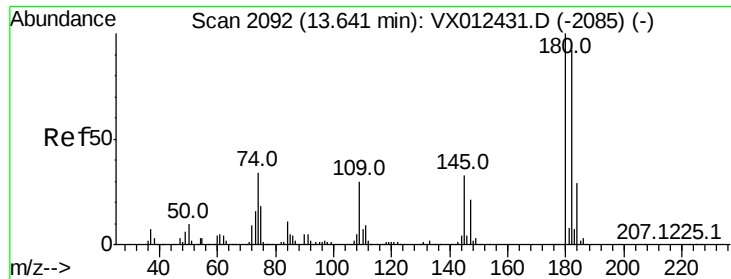
Tot Ion:146 Resp: 80651
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.1
 148 62.5 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.306 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion: 75 Resp: 15675
 Ion Ratio Lower Upper
 75 100
 155 81.4 38.6 115.8
 157 102.5 50.6 151.9

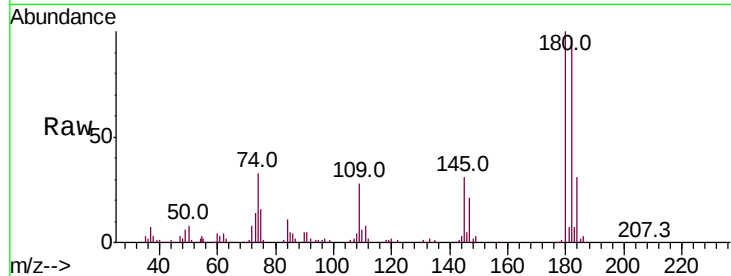




#93
 1,2,4-Trichlorobenzene
 Concen: 18.597 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.0	141.0
145	33.0	16.8	50.4

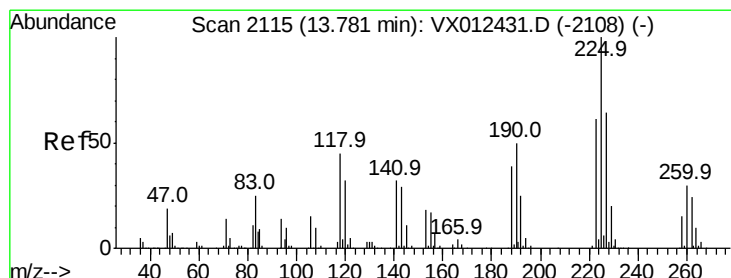
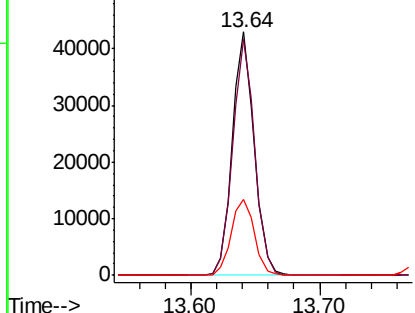
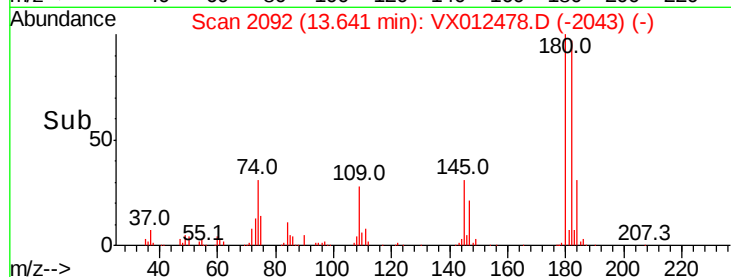


Abundance

Ion 179.80 (179.50 to 180.50): V

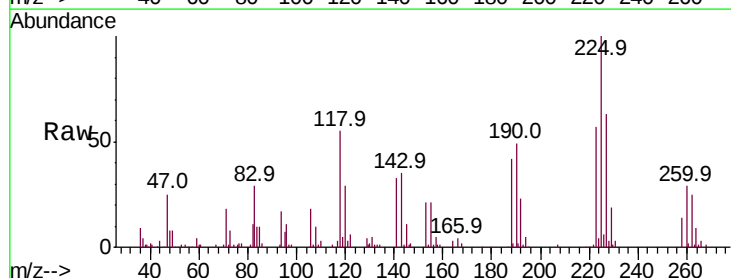
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 16.831 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.0	96.2
227	67.8	31.9	95.5

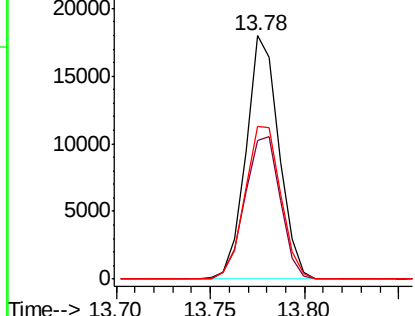
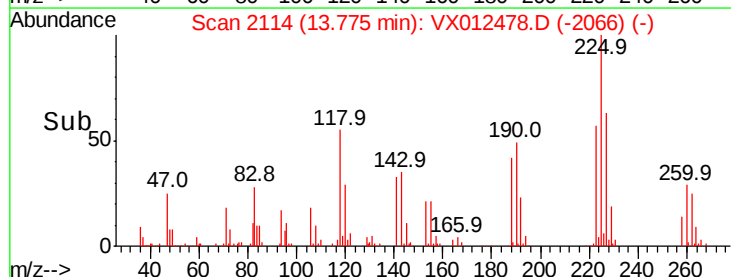


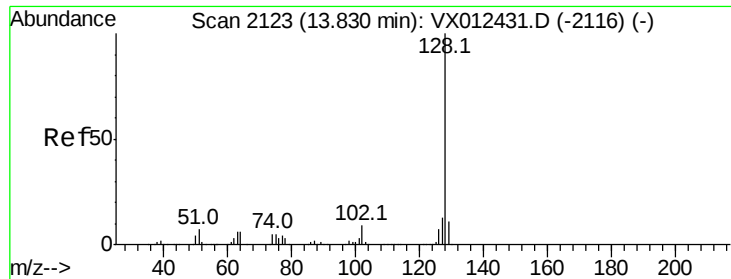
Abundance

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: 19.149 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

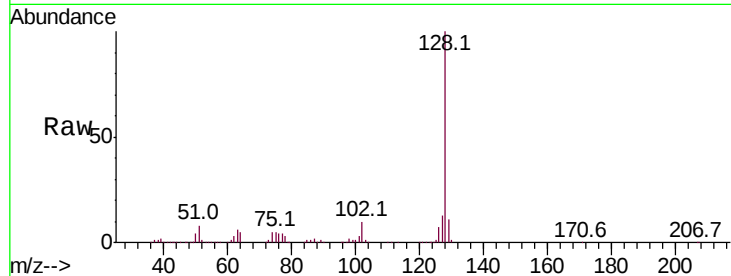
Tot Ion:128 Resp: 187421

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.8 13.2

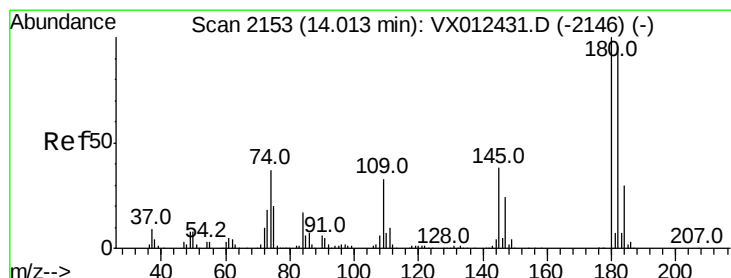
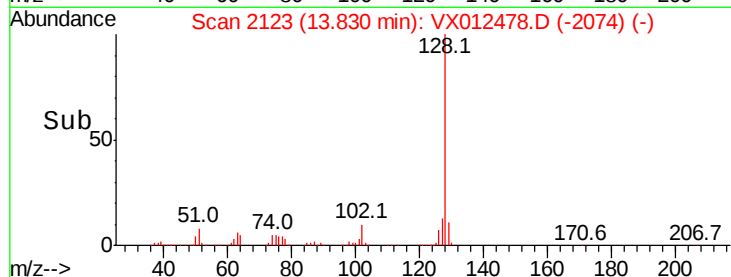
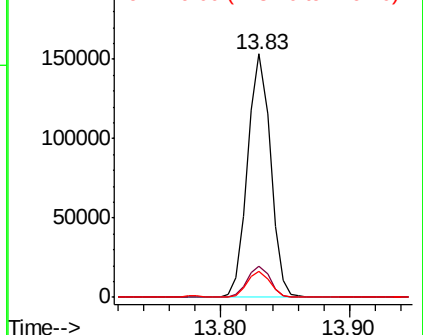


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.847 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

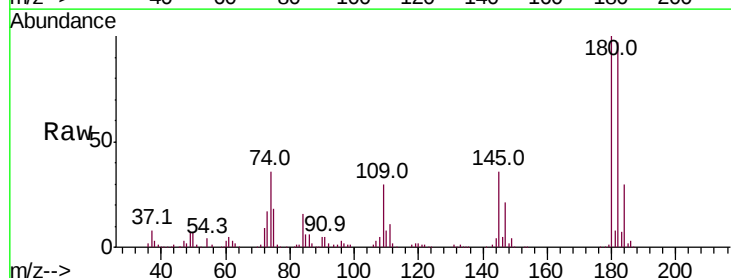
Tgt Ion:180 Resp: 52829

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.3

145 35.2 18.0 54.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

