

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX07143.D
 Acq On : 02 Jul 2020 13:16
 Operator : JC/SP
 Sample : VX0702WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 00:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	42628	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	223026	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	208599	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93448	28.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.87%
60) 4-Bromofluorobenzene	11.12	95	104120	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	8.70	98	274806	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43974	21.214 ug/l	95
3) Chloromethane	1.31	50	44792	15.934 ug/l	99
4) Vinyl Chloride	1.39	62	44741	15.607 ug/l	92
5) Bromomethane	1.63	94	30519	14.786 ug/l	99
6) Chloroethane	1.72	64	28400	15.361 ug/l	95
7) Trichlorofluoromethane	1.92	101	76988	16.514 ug/l	98
8) Diethyl Ether	2.17	74	26134	15.406 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43700	17.661 ug/l	91
10) 1,1-Dichloroethene	2.36	96	42278	17.325 ug/l	91
11) Methyl Iodide	2.49	142	51935	15.939 ug/l	94
12) Methyl Acetate	2.75	43	54380	17.666 ug/l	97
13) Acrolein	2.27	56	40398	83.171 ug/l	99
14) Acrylonitrile	3.12	53	123643	84.807 ug/l	98
15) Acetone	2.42	58	31821	84.339 ug/l	91
16) Carbon Disulfide	2.55	76	122112	15.917 ug/l	98
17) Allyl chloride	2.71	41	75931	16.621 ug/l	96
18) Methylene Chloride	2.83	84	50030	17.021 ug/l	93
19) trans-1,2-Dichloroethene	3.14	96	49356	17.850 ug/l	100
20) Diisopropyl ether	3.82	45	154661	16.940 ug/l	97
21) 1,1-Dichloroethane	3.67	63	86610	17.204 ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	54504	17.705 ug/l	95
23) tert-Butyl Alcohol	3.01	59	53924	83.497 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	150411	17.262 ug/l	99
25) Chloroform	5.18	83	90726	17.775 ug/l	95
26) Cyclohexane	5.55	56	70506	16.055 ug/l	# 94
29) 1,1-Dichloropropene	5.77	75	64457	17.741 ug/l	99
30) 2-Butanone	4.64	43	169252	89.373 ug/l	99
31) 2,2-Dichloropropane	4.56	77	78532	18.847 ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	83626	19.022 ug/l	97
33) Carbon Tetrachloride	5.76	117	75724	19.423 ug/l	100
34) Benzene	6.11	78	193120	18.255 ug/l	97
35) Methacrylonitrile	5.01	41	37207	17.802 ug/l	95
36) 1,2-Dichloroethane	6.17	62	74349	18.350 ug/l	99
37) Trichloroethene	7.19	130	57319	19.856 ug/l	84
38) Methylcyclohexane	7.44	83	72119	17.430 ug/l	99
39) 1,2-Dichloropropane	7.49	63	50198	18.213 ug/l	91
40) Dibromomethane	7.64	93	35681	18.784 ug/l	93

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 00:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	71813	18.257	ug/l	92
42) Vinyl Acetate	3.79	43	668143	87.551	ug/l	99
43) Ethyl Acetate	4.79	43	68690	17.511	ug/l	99
44) Isopropyl Acetate	6.41	43	109156	16.882	ug/l	98
45) 1,4-Dioxane	7.71	88	23069	353.655	ug/l	99
46) Methyl methacrylate	7.74	41	54511	18.218	ug/l	91
47) n-amyl Acetate	10.88	43	92472	16.180	ug/l	94
48) t-1,3-Dichloropropene	9.02	75	76861	17.673	ug/l	93
49) cis-1,3-Dichloropropene	8.42	75	83368	18.240	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	50717	19.131	ug/l	94
51) Ethyl methacrylate	9.16	69	70802	17.403	ug/l	93
52) 1,3-Dichloropropane	9.35	76	84178	18.495	ug/l	97
53) Dibromochloromethane	9.56	129	60053	19.709	ug/l	99
54) 1,2-Dibromoethane	9.65	107	54021	19.204	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	192052	89.705	ug/l	98
56) Bromoform	10.84	173	44593	20.617	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	345581	89.938	ug/l	98
59) 2-Hexanone	9.47	43	252388	88.011	ug/l	97
61) Tetrachloroethene	9.32	164	55853	20.995	ug/l	95
62) Toluene	8.76	91	211579	18.544	ug/l	99
64) Chlorobenzene	10.12	112	132661	18.559	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	54282	20.172	ug/l	97
66) Ethyl Benzene	10.24	91	223182	17.640	ug/l	98
67) m/p-Xylenes	10.34	106	176903	37.064	ug/l	98
68) o-Xylene	10.68	106	81594	17.797	ug/l	98
69) Styrene	10.70	104	142978	18.213	ug/l	98
70) Isopropylbenzene	11.00	105	229249	18.435	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	72154	18.893	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	90917	24.790	ug/l	89
73) Bromobenzene	11.24	156	62374	19.875	ug/l	95
74) n-propylbenzene	11.34	91	260493	17.643	ug/l	98
75) 2-Chlorotoluene	11.40	91	162376	18.859	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	196023	18.780	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	25627	17.242	ug/l	97
78) 4-Chlorotoluene	11.49	91	188975	18.537	ug/l	99
79) tert-butylbenzene	11.76	119	186641	18.666	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	193557	18.471	ug/l	97
81) sec-Butylbenzene	11.93	105	218113	18.016	ug/l	100
82) p-Isopropyltoluene	12.05	119	205703	18.818	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	113729	20.222	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	113558	20.096	ug/l	99
85) n-Butylbenzene	12.37	91	171996	16.999	ug/l	99
86) Hexachloroethane	12.58	117	39905	18.654	ug/l	89
87) 1,2-Dichlorobenzene	12.38	146	106318	20.197	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	16444	18.925	ug/l	90
89) 1,2,4-Trichlorobenzene	13.63	180	69535	19.579	ug/l	97
90) Hexachlorobutadiene	13.77	225	29270	21.665	ug/l	98
91) Naphthalene	13.82	128	214871	18.458	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	69161	19.955	ug/l	97

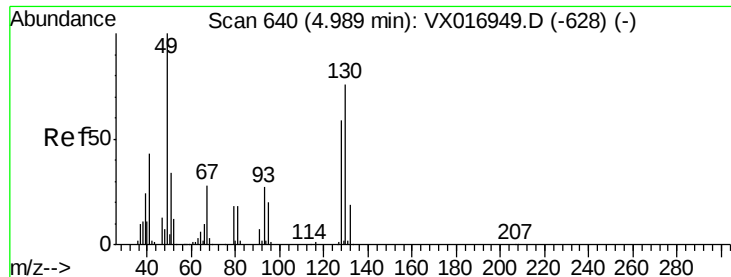
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ClientSampleId :

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :
MSVOA_X
ClientSampleId :

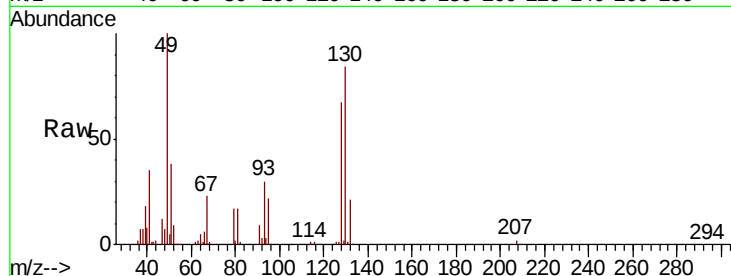
Tot Ion:128 Resp: 42628

Ion Ratio Lower Upper

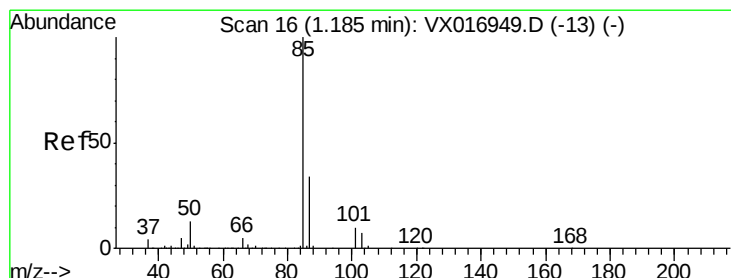
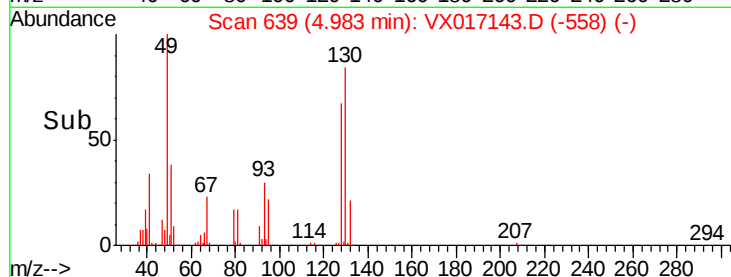
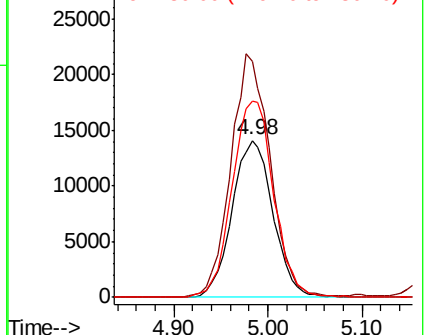
128 100

49 150.2 0.0 428.0

130 127.5 0.0 318.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.214 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017143.D

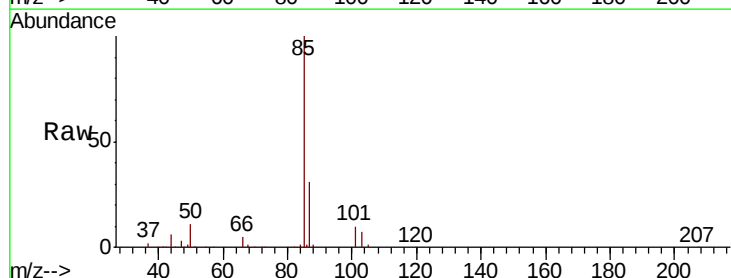
Acq: 02 Jul 2020 13:16

Tgt Ion: 85 Resp: 43974

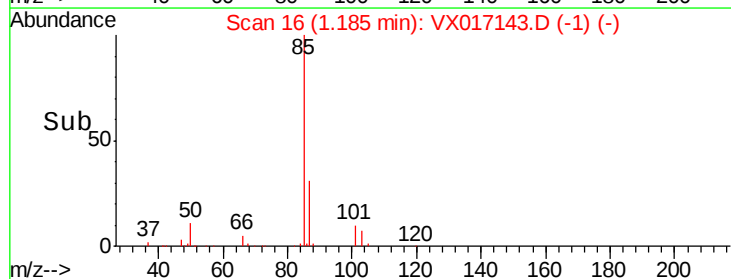
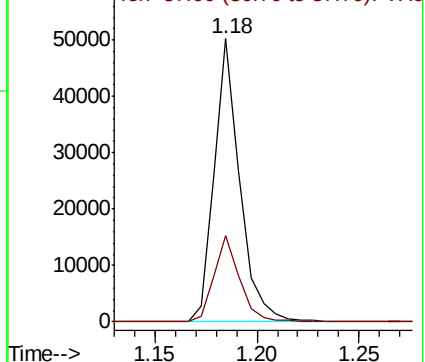
Ion Ratio Lower Upper

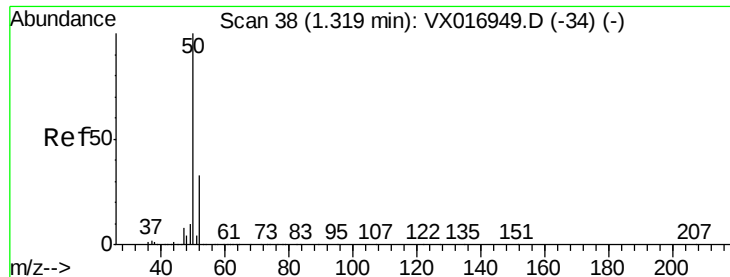
85 100

87 30.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

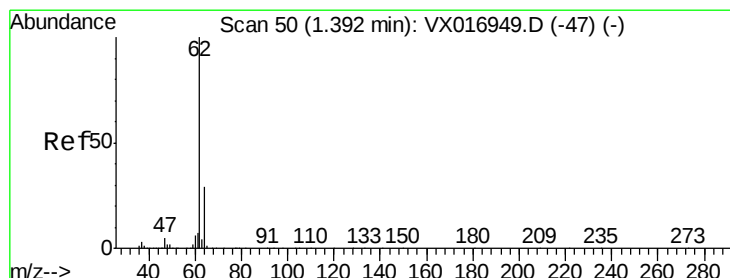
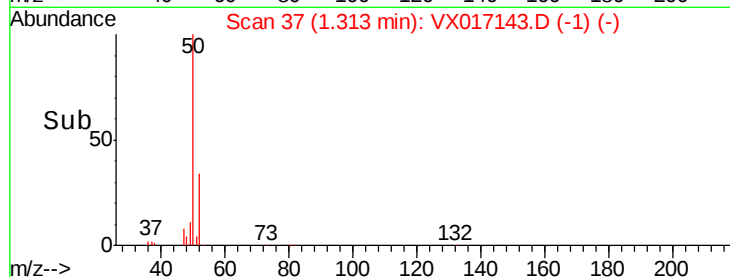
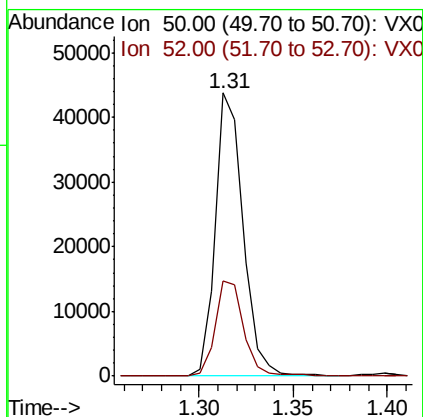
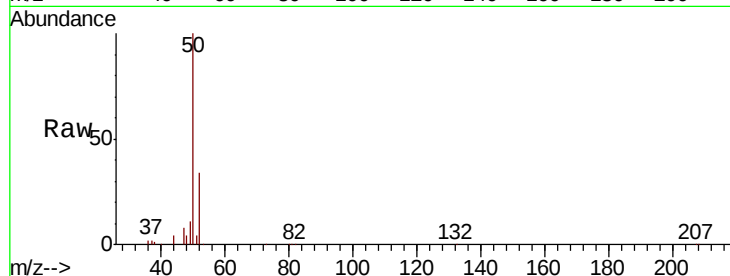




#3
Chloromethane
Concen: 15.934 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.01 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

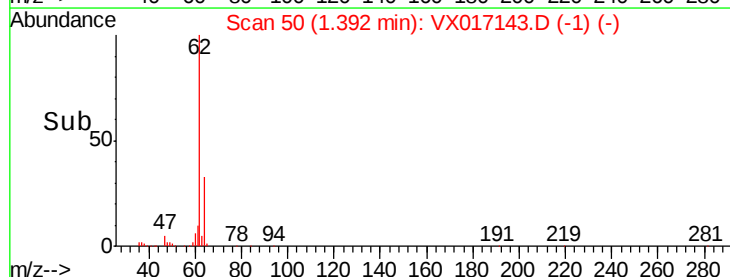
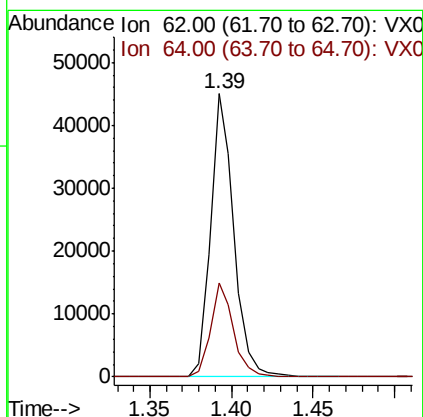
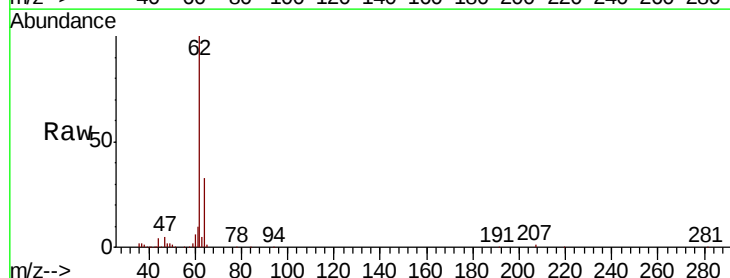
Instrument :
MSVOA_X
ClientSampleId :

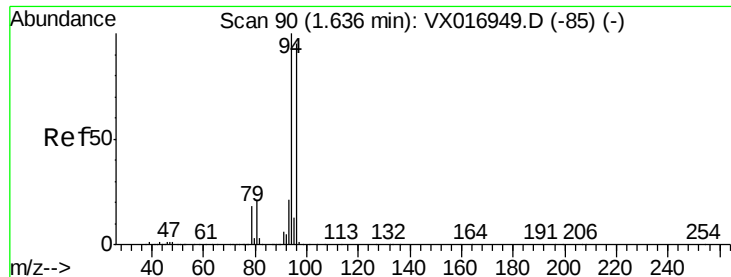
Tot Ion: 50 Resp: 44792
Ion Ratio Lower Upper
50 100
52 33.7 26.5 39.7



#4
Vinyl Chloride
Concen: 15.607 ug/l
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 62 Resp: 44741
Ion Ratio Lower Upper
62 100
64 33.4 23.4 35.0





#5

Bromomethane

Concen: 14.786 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

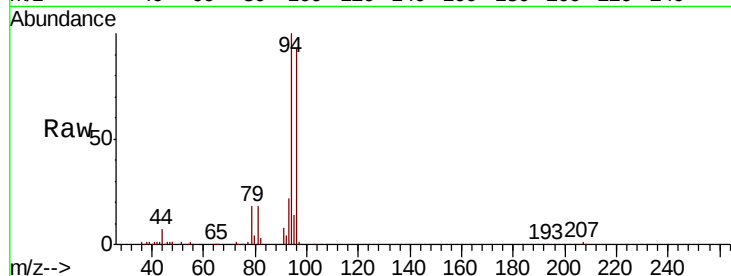
ClientSampled :

Tot Ion: 94 Resp: 30519

Ion Ratio Lower Upper

94 100

96 93.0 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

25000

20000

15000

10000

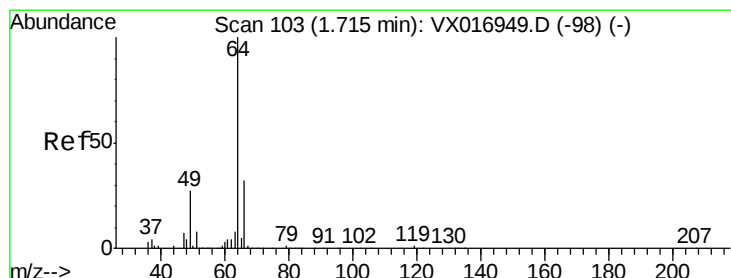
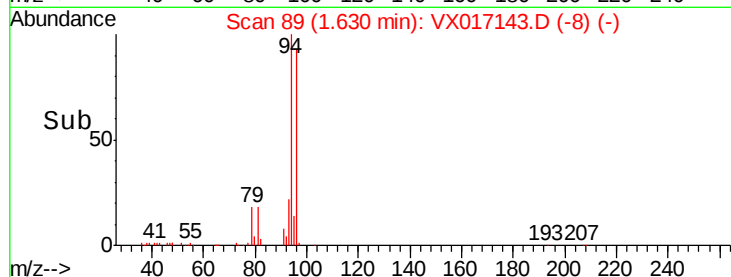
5000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 15.361 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX017143.D

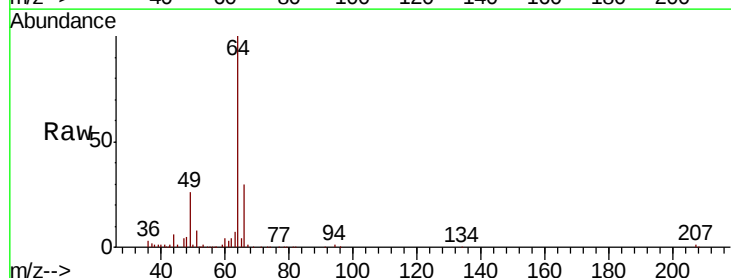
Acq: 02 Jul 2020 13:16

Tgt Ion: 64 Resp: 28400

Ion Ratio Lower Upper

64 100

66 29.7 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

25000

20000

15000

10000

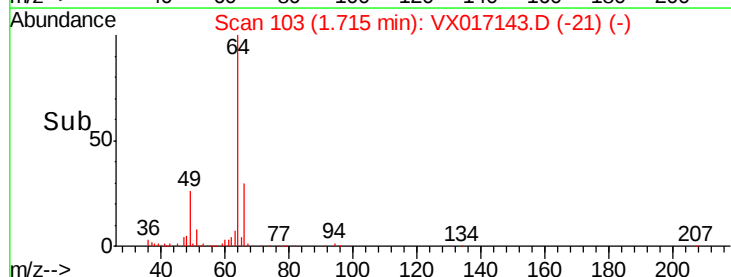
5000

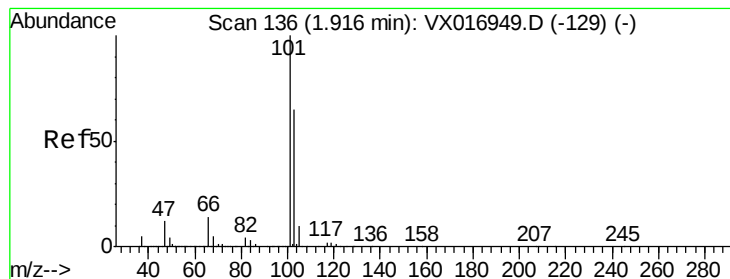
0

1.72

1.65 1.70 1.75 1.80

Time-->



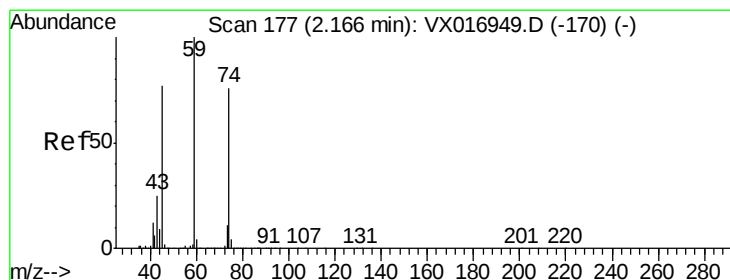
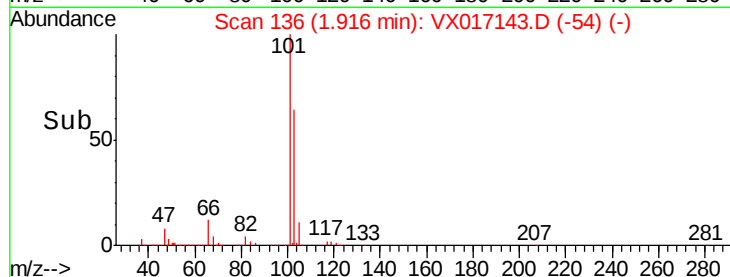
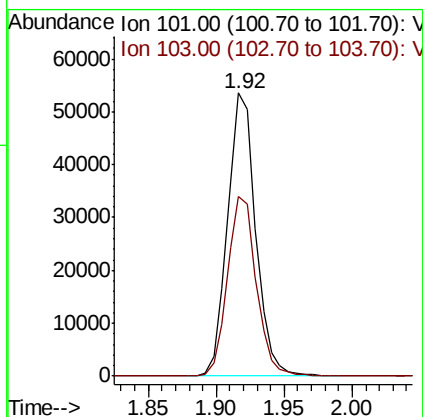
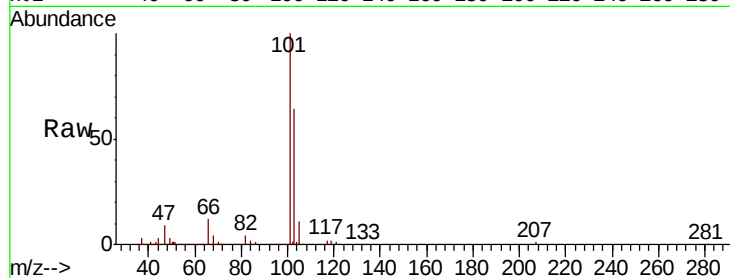


#7

Trichlorofluoromethane
 Concen: 16.514 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Instrument :
 MSVOA_X
 ClientSampleId :

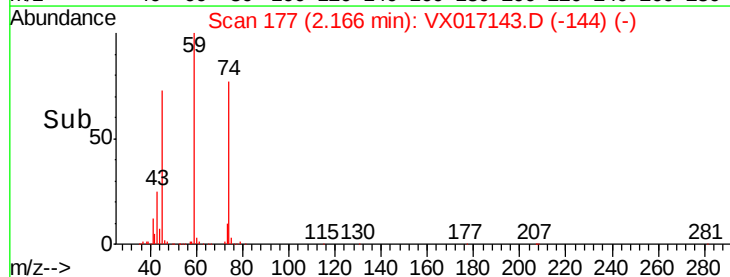
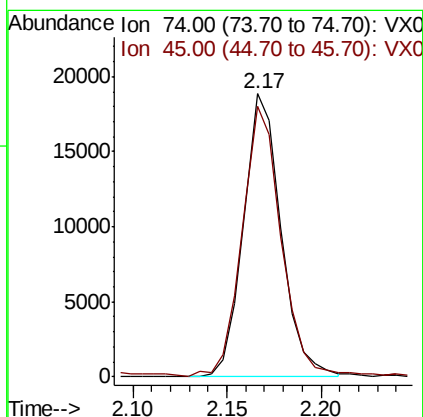
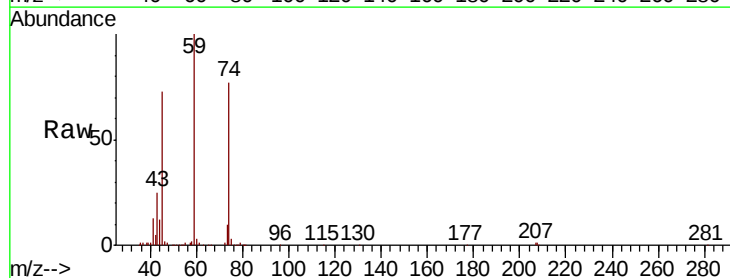
Tot Ion:101 Resp: 76988
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.1 78.1

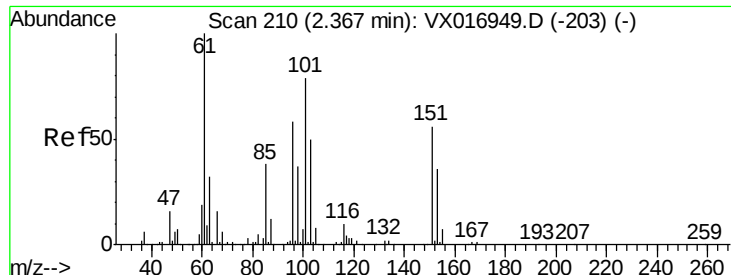


#8

Diethyl Ether
 Concen: 15.406 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion: 74 Resp: 26134
 Ion Ratio Lower Upper
 74 100
 45 98.2 19.8 178.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.661 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

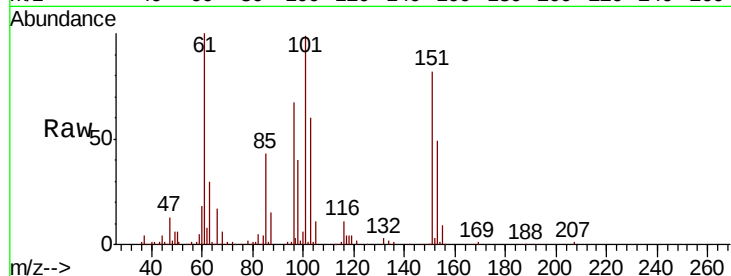
Tot Ion:101 Resp: 43700

Ion Ratio Lower Upper

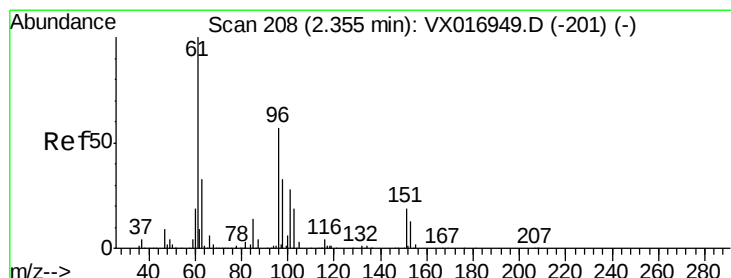
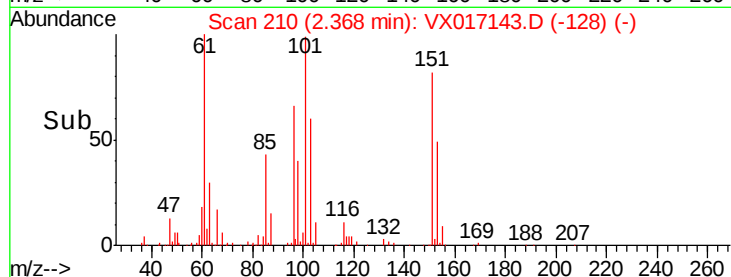
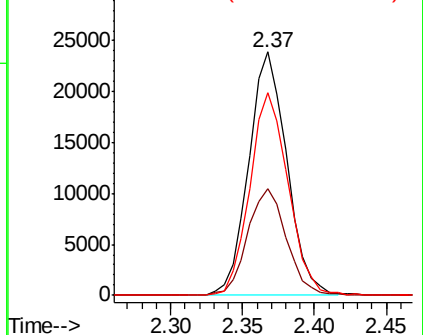
101 100

85 44.5 0.0 94.6

151 83.4 0.0 145.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VX0
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.325 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

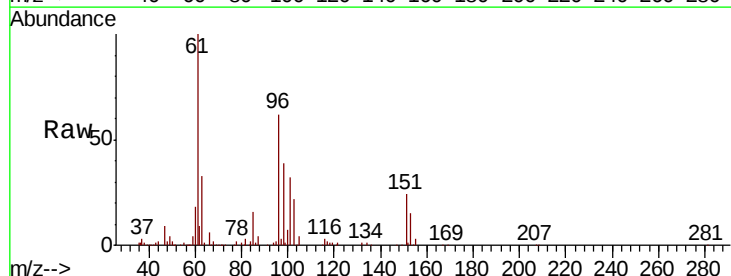
Tgt Ion: 96 Resp: 42278

Ion Ratio Lower Upper

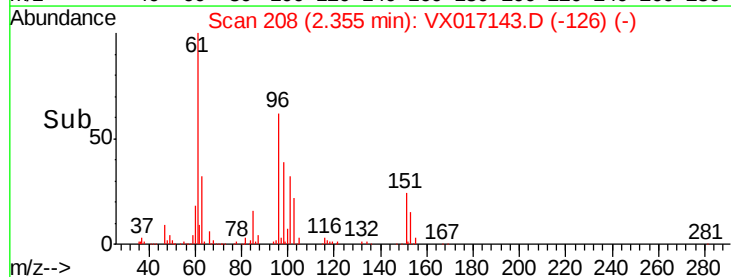
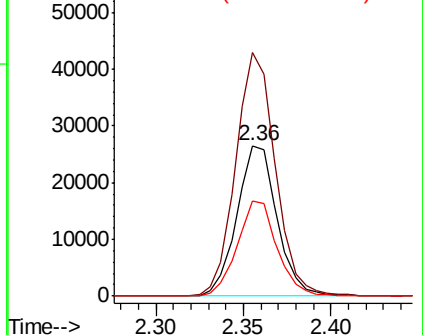
96 100

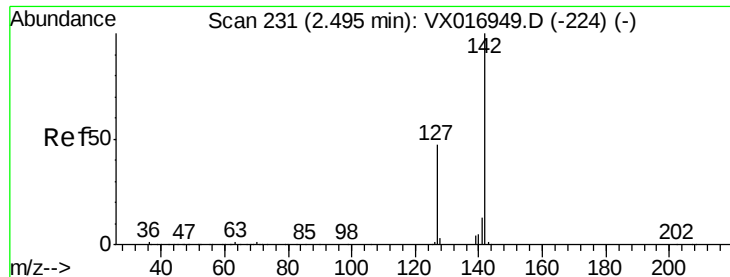
61 162.2 141.3 211.9

98 63.6 47.0 70.4



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

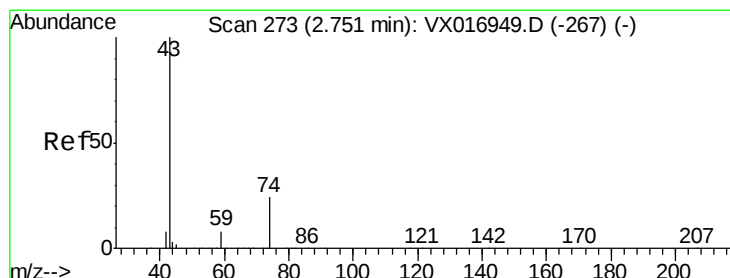
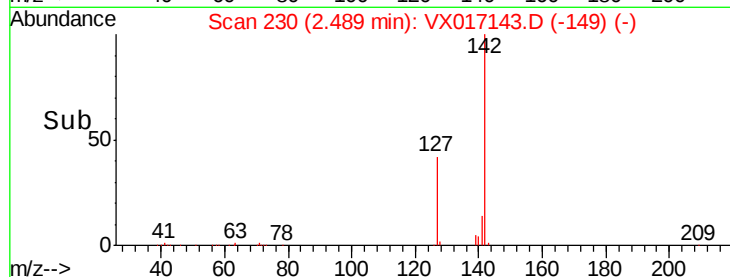
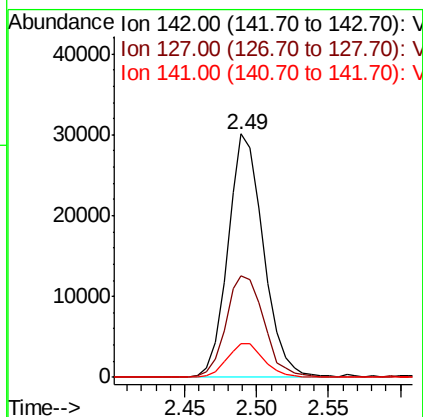
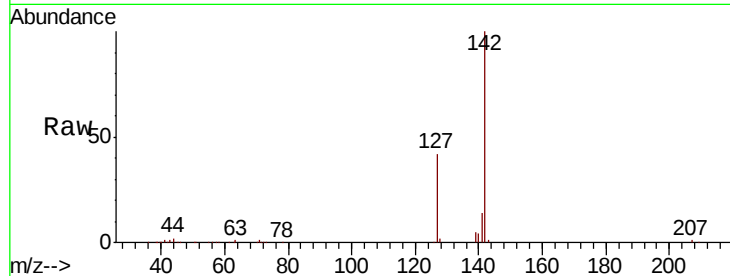




#11
Methvl Iodide
Concen: 15.939 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

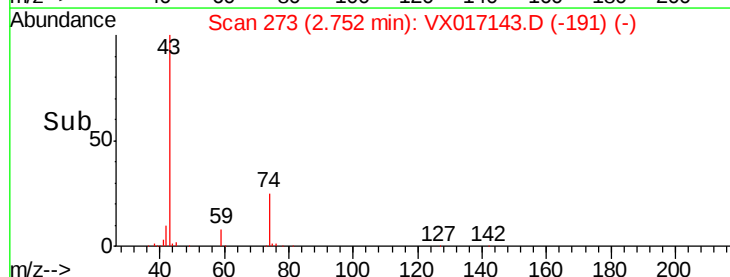
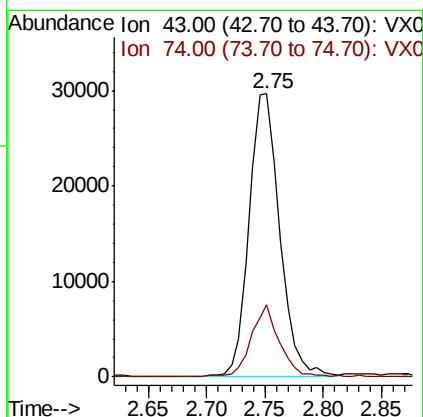
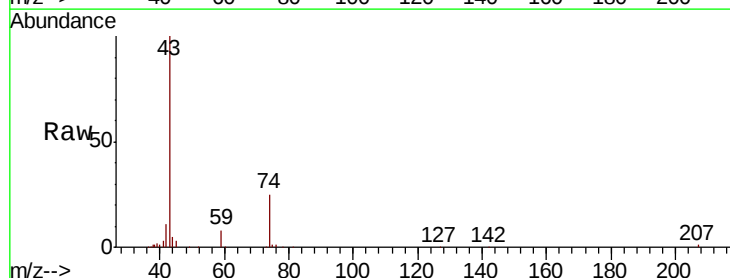
Instrument :
MSVOA_X
ClientSampled :

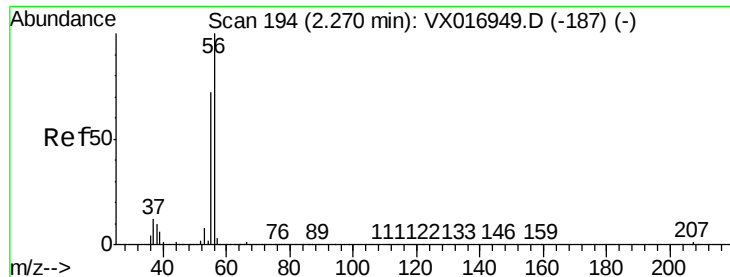
Tot Ion:142 Resp: 51935
Ion Ratio Lower Upper
142 100
127 41.6 23.3 69.9
141 14.0 6.7 20.1



#12
Methyl Acetate
Concen: 17.666 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 43 Resp: 54380
Ion Ratio Lower Upper
43 100
74 25.4 19.1 28.7





#13

Acrolein

Concen: 83.171 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

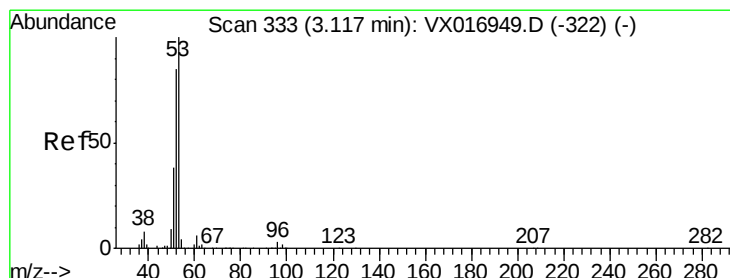
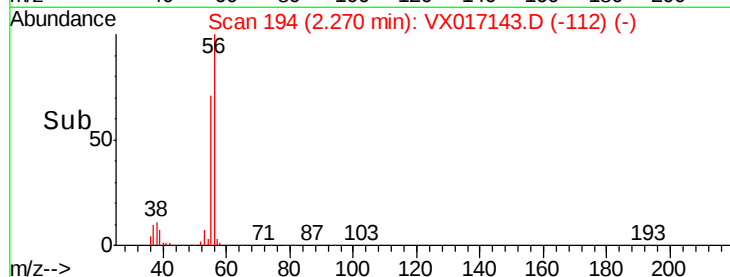
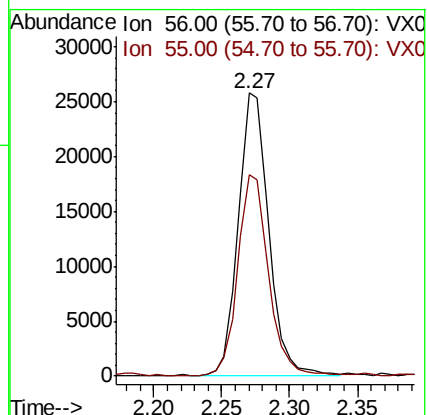
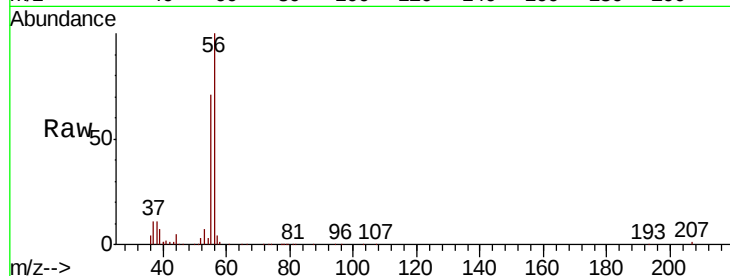
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 40398

Ion Ratio Lower Upper

56 100

55 71.5 56.2 84.4



#14

Acrylonitrile

Concen: 84.807 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

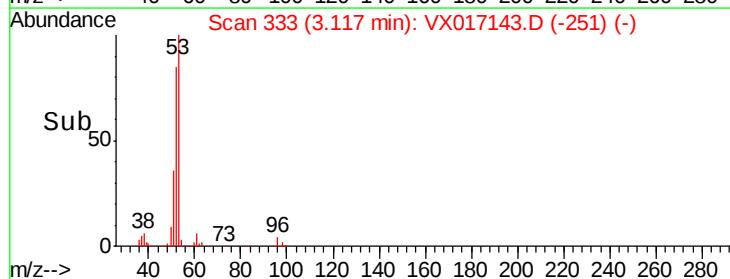
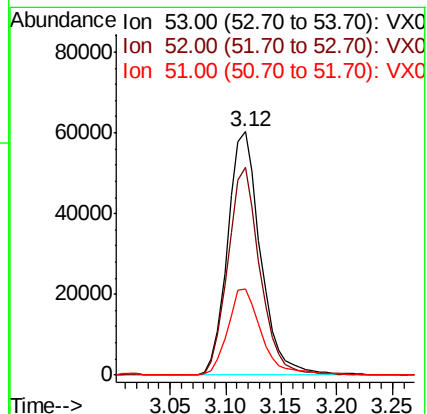
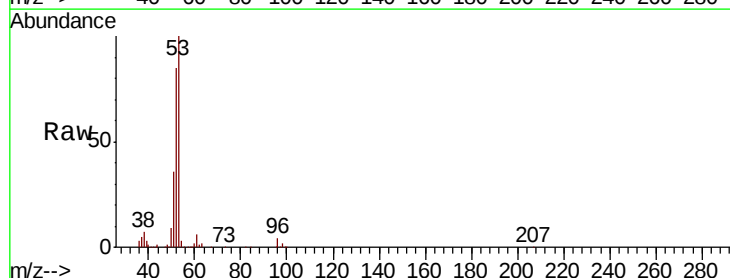
Tgt Ion: 53 Resp: 123643

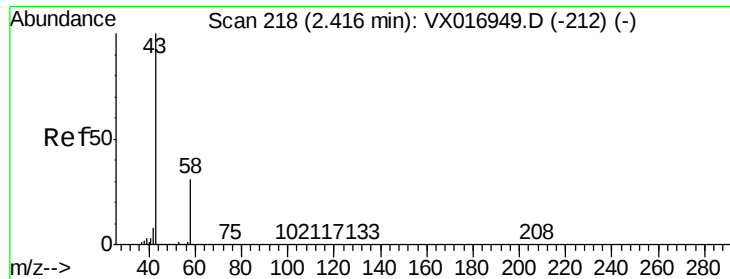
Ion Ratio Lower Upper

53 100

52 83.3 40.6 121.8

51 36.4 18.4 55.4





#15

Acetone

Concen: 84.339 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

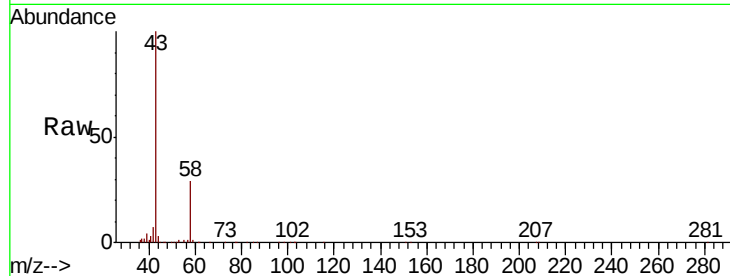
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 31821

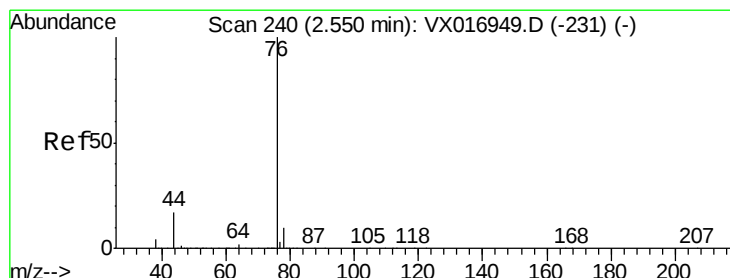
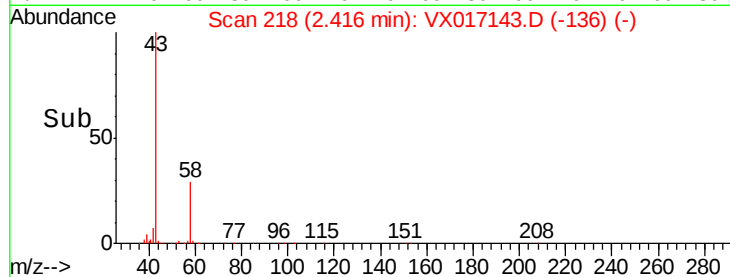
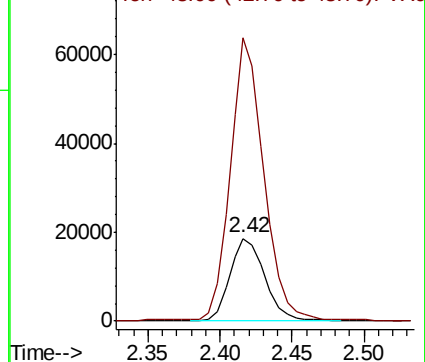
Ion Ratio Lower Upper

58 100

43 340.5 257.6 386.4



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 15.917 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017143.D

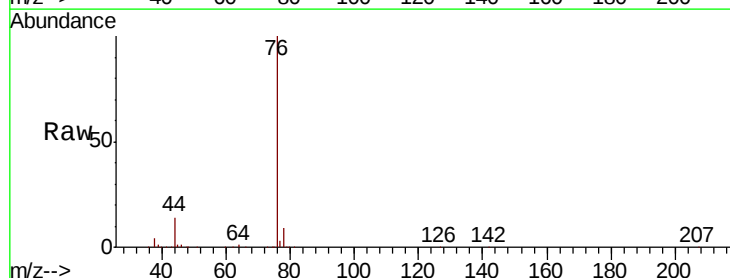
Acq: 02 Jul 2020 13:16

Tgt Ion: 76 Resp: 122112

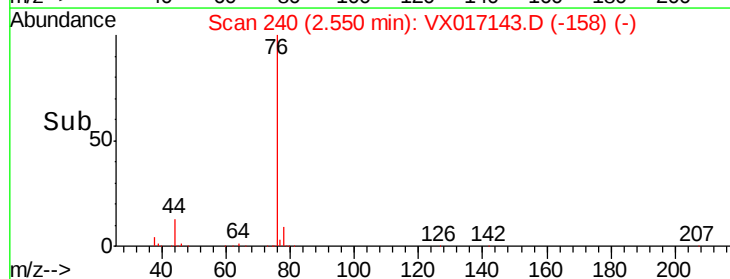
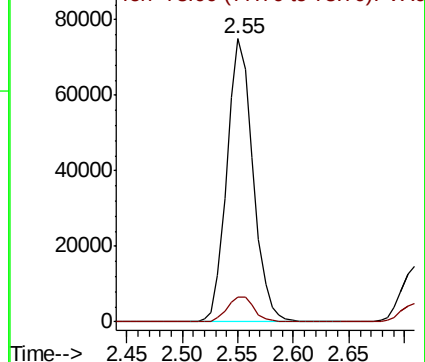
Ion Ratio Lower Upper

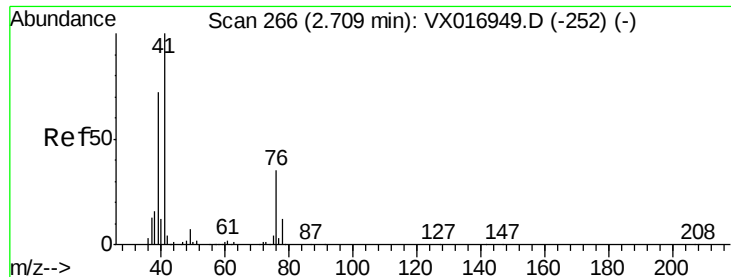
76 100

78 8.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0

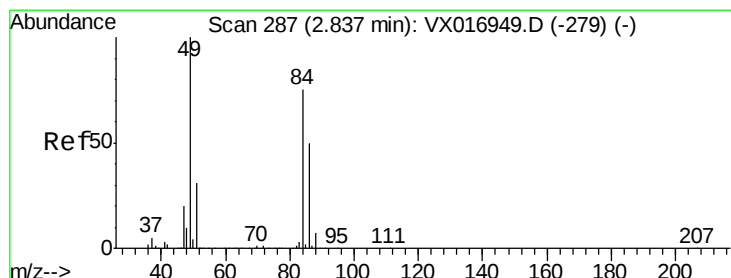
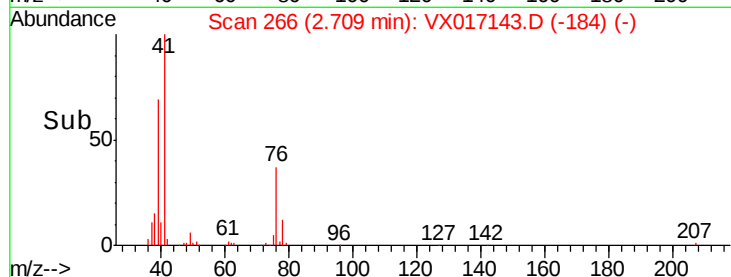
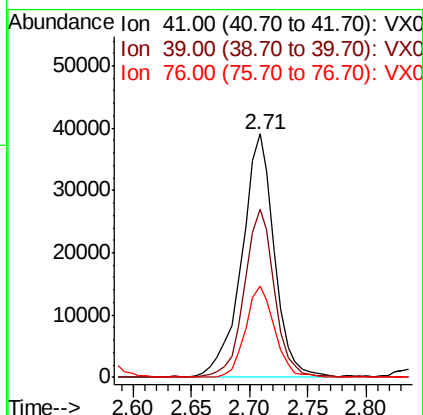
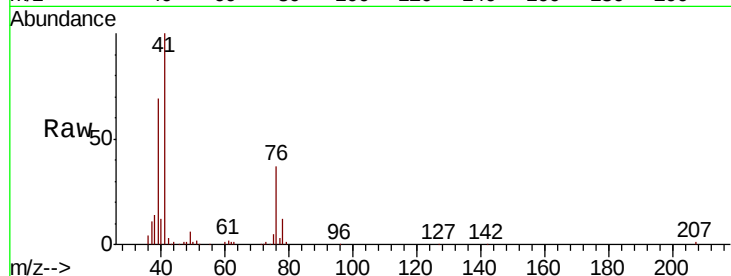




#17
Allvl chloride
Concen: 16.621 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

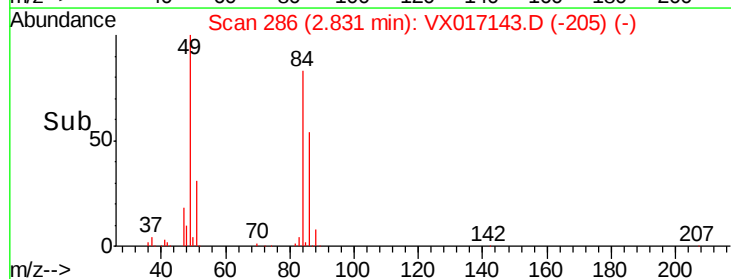
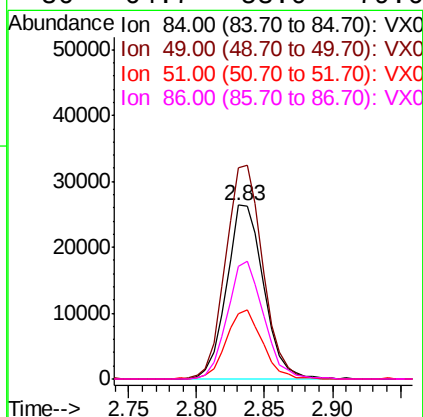
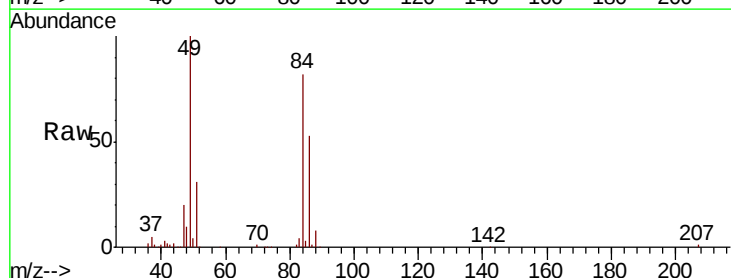
Instrument :
MSVOA_X
ClientSampled :

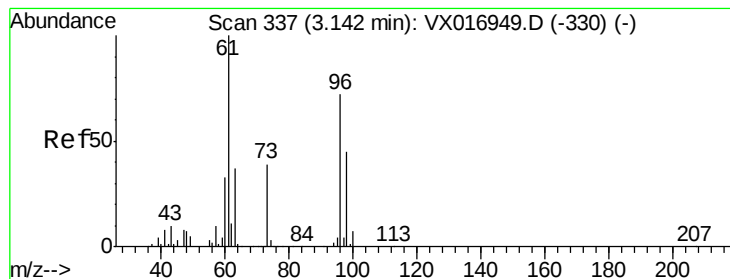
Tot Ion: 41 Resp: 75931
Ion Ratio Lower Upper
41 100
39 68.9 35.9 107.8
76 37.3 17.6 52.8



#18
Methylene Chloride
Concen: 17.021 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 84 Resp: 50030
Ion Ratio Lower Upper
84 100
49 121.7 106.6 159.8
51 37.9 32.7 49.1
86 64.7 53.0 79.6





#19

trans-1,2-Dichloroethene

Concen: 17.850 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

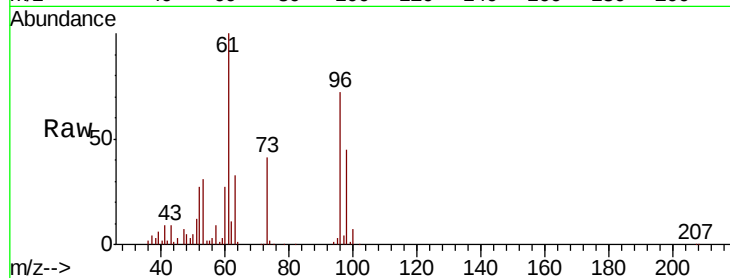
Tot Ion: 96 Resp: 49356

Ion Ratio Lower Upper

96 100

61 138.1 110.6 165.8

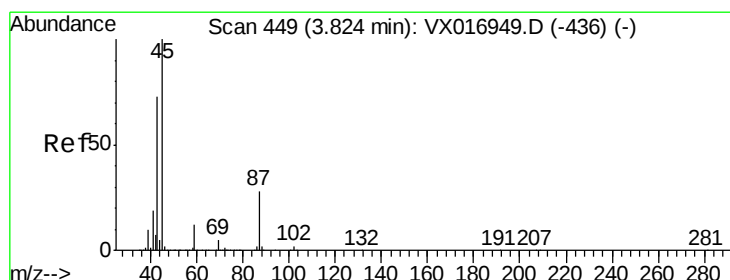
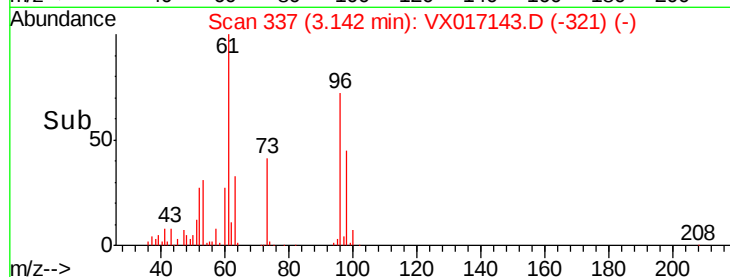
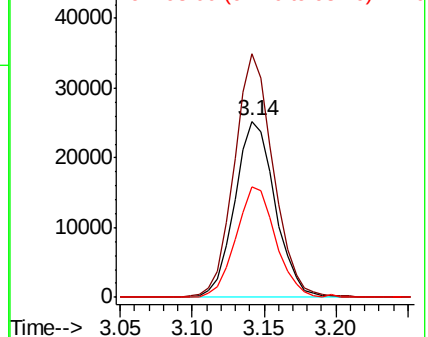
98 62.9 49.8 74.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 16.940 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Tgt Ion: 45 Resp: 154661

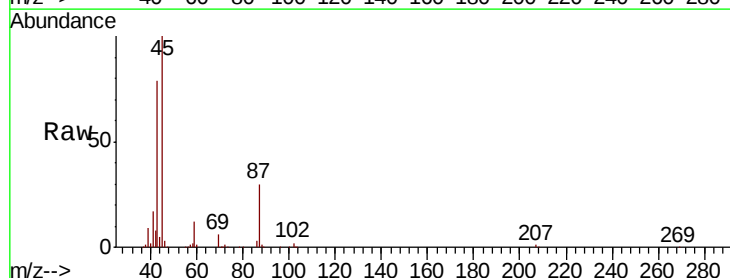
Ion Ratio Lower Upper

45 100

43 78.0 63.9 95.9

87 29.9 22.2 33.4

59 11.6 9.8 14.6

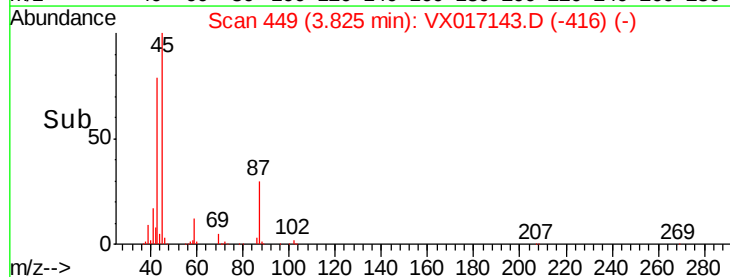
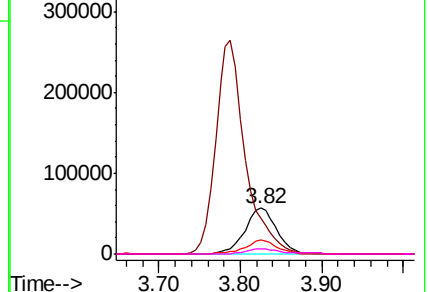


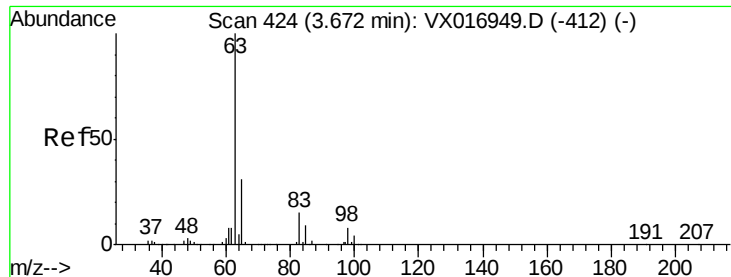
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

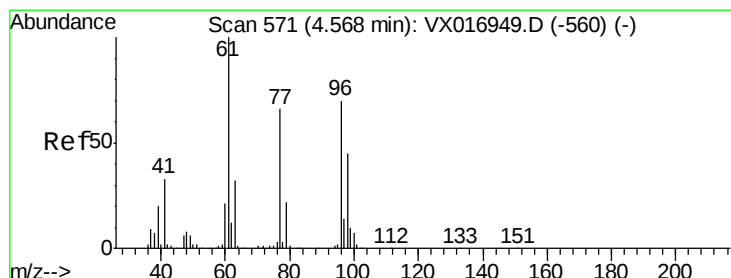
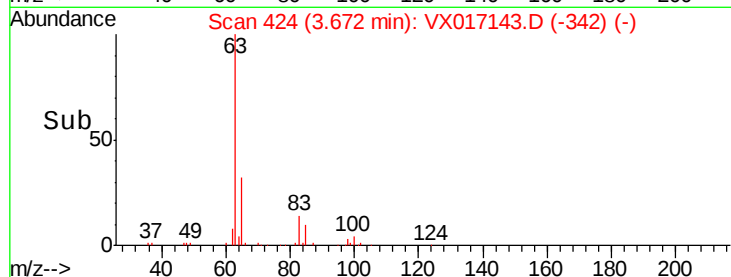
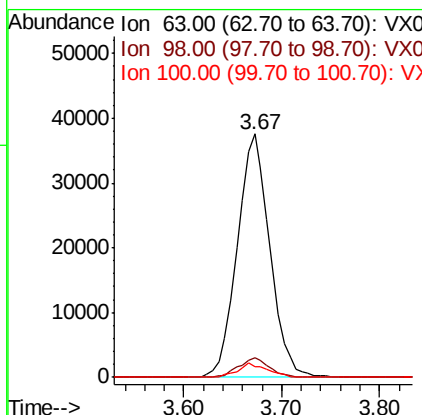
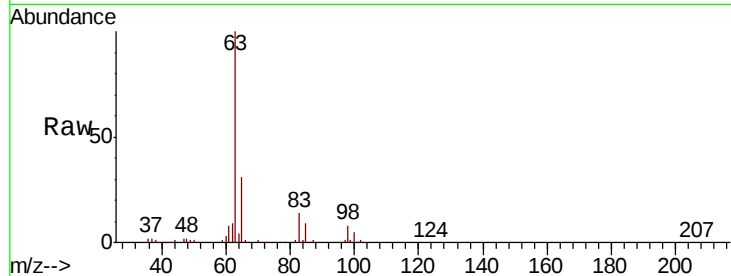




#21
 1,1-Dichloroethane
 Concen: 17.204 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

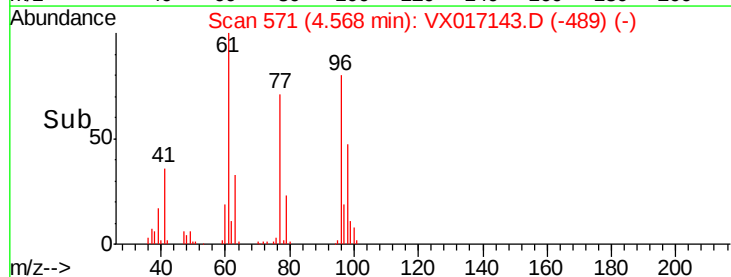
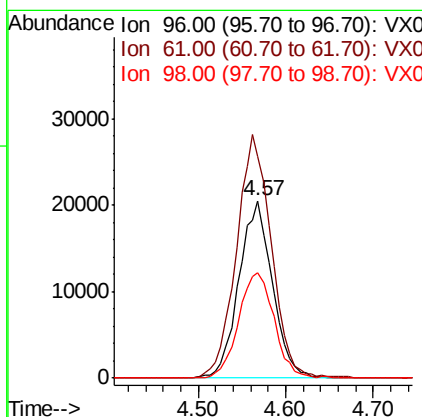
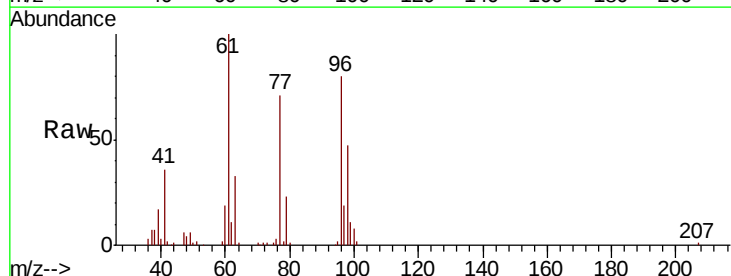
Instrument :
 MSVOA_X
 ClientSampleId :

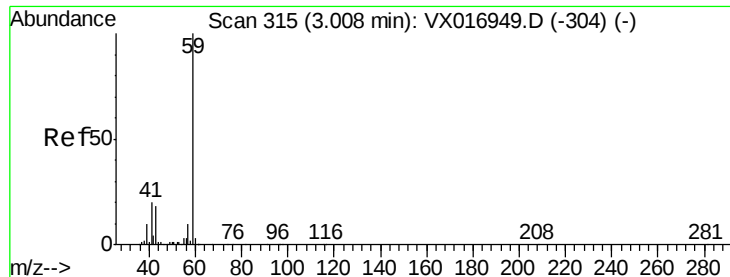
Tot Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.8	11.4
100	4.6	2.2	6.6



#22
 cis-1,2-Dichloroethene
 Concen: 17.705 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	120.8	181.2
98	62.9	51.7	77.5



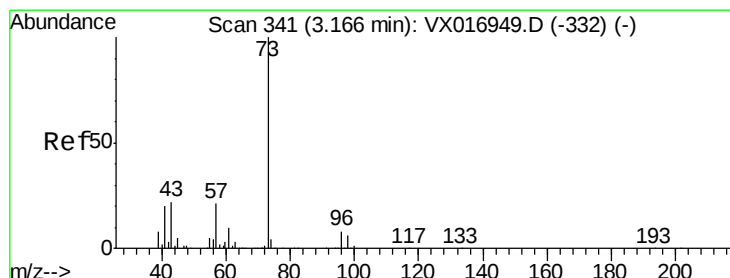
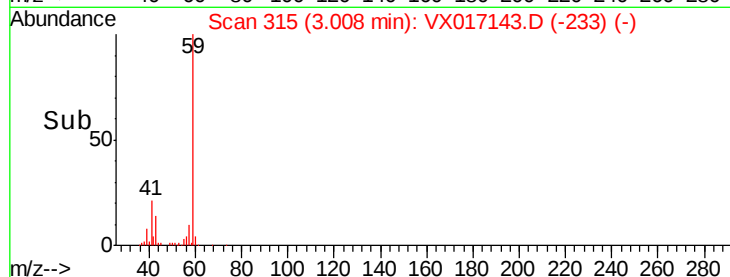
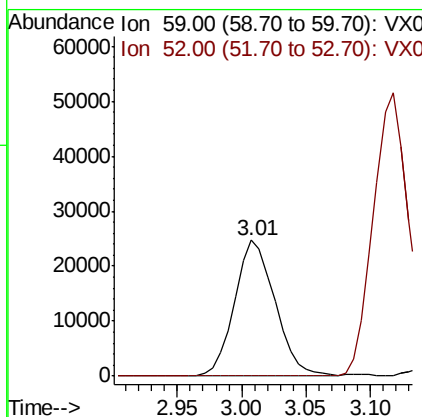
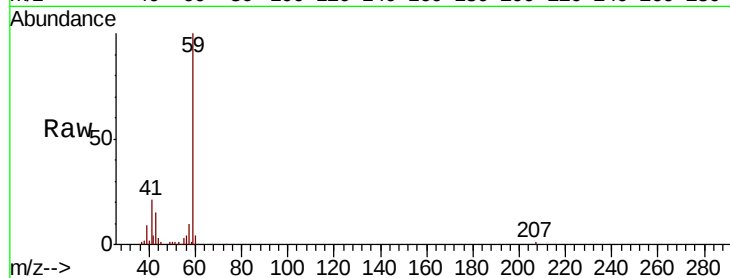


#23

tert-Butyl Alcohol
 Concen: 83.497 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Instrument :
 MSVOA_X
 ClientSampled :

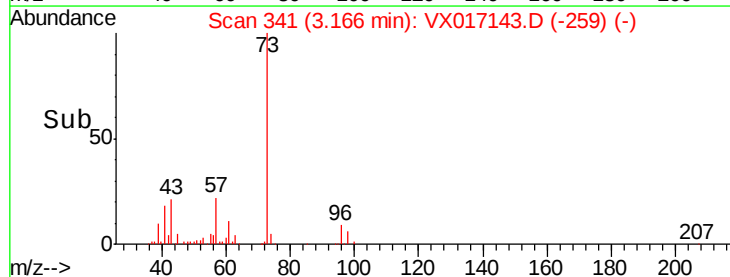
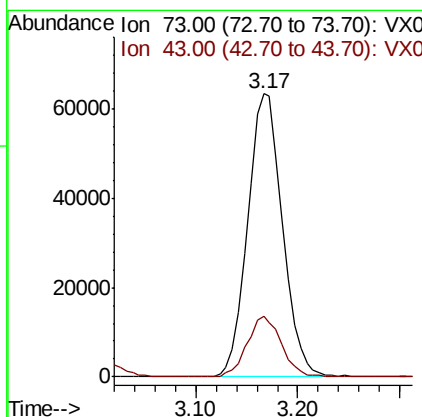
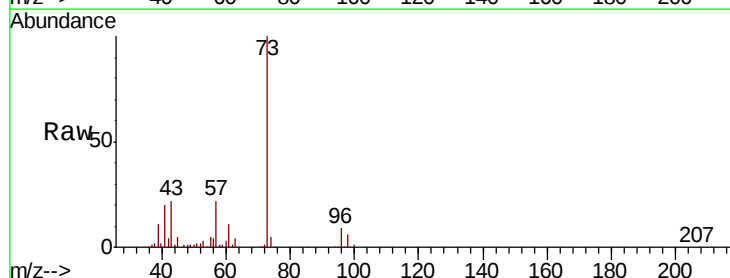
Tot Ion: 59 Resp: 53924
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.1 0.1#

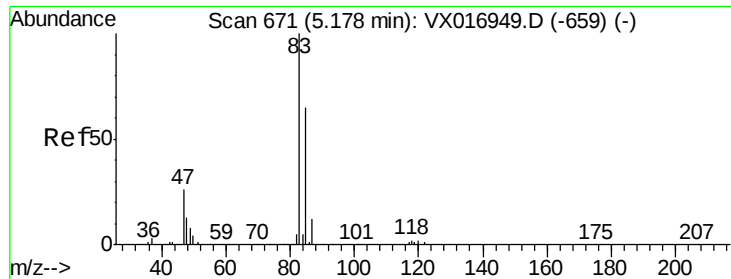


#24

Methyl tert-Butyl Ether
 Concen: 17.262 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion: 73 Resp: 150411
 Ion Ratio Lower Upper
 73 100
 43 21.0 17.2 25.8





#25

Chloroform

Concen: 17.775 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

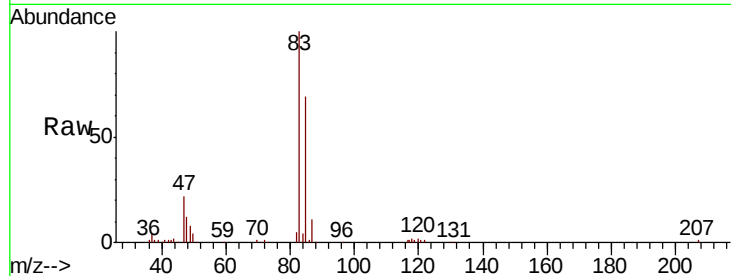
ClientSampleId :

Tot Ion: 83 Resp: 90726

Ion Ratio Lower Upper

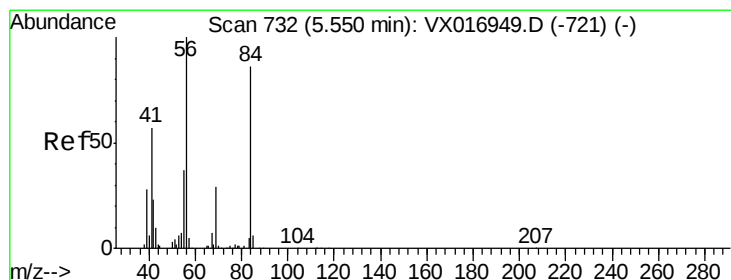
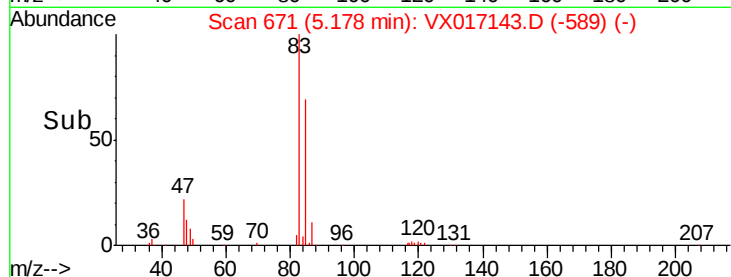
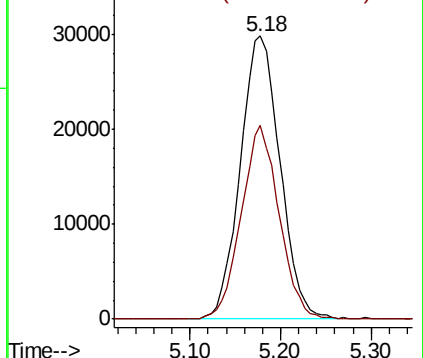
83 100

85 68.7 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 16.055 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

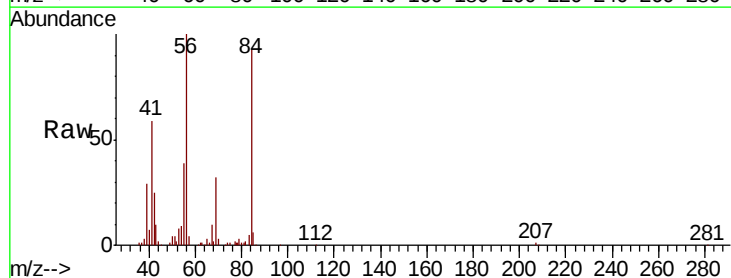
Tgt Ion: 56 Resp: 70506

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

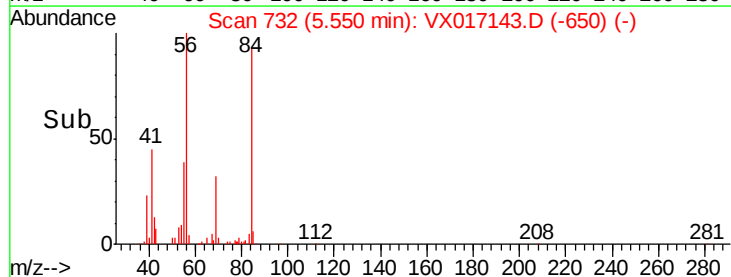
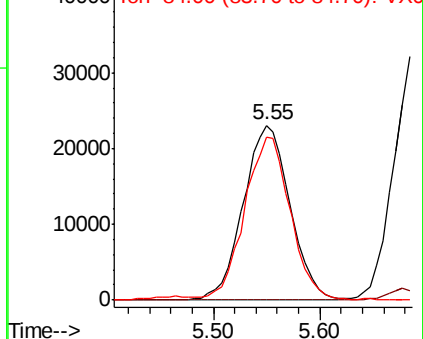
84 91.4 69.0 103.6

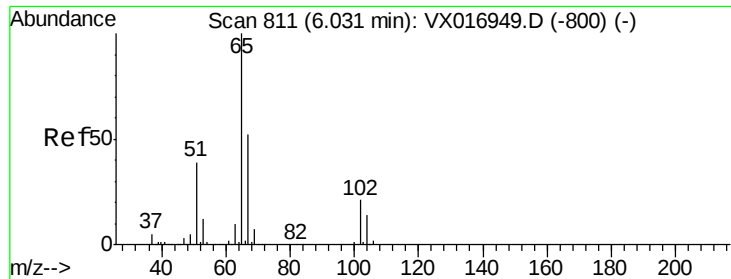


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.165 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

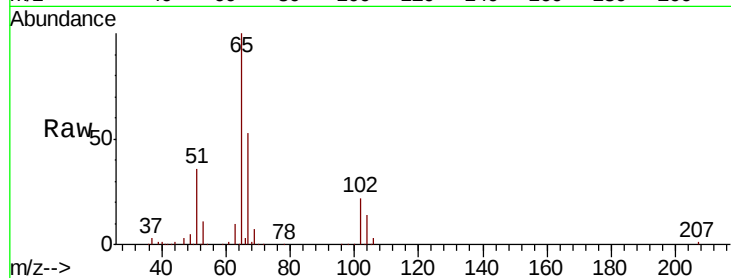
ClientSampleId :

Tot Ion: 65 Resp: 93448

Ion Ratio Lower Upper

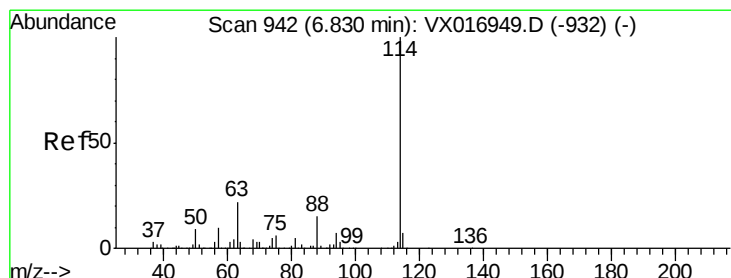
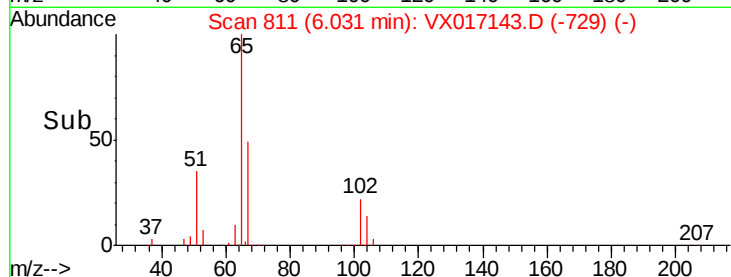
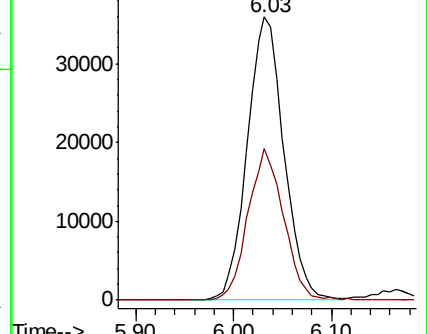
65 100

67 51.9 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

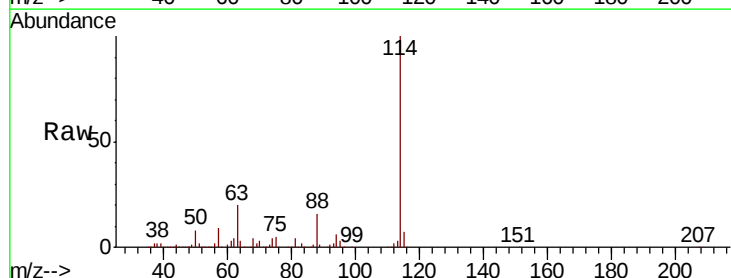
Tgt Ion: 114 Resp: 223026

Ion Ratio Lower Upper

114 100

63 19.6 17.4 26.2

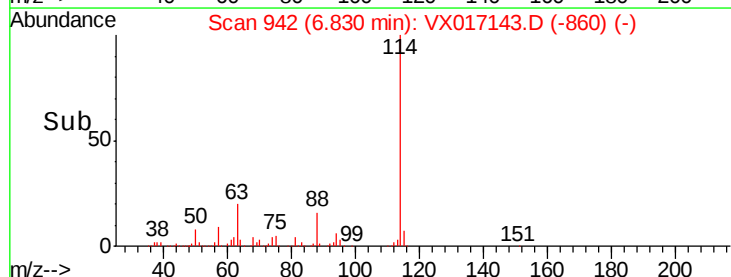
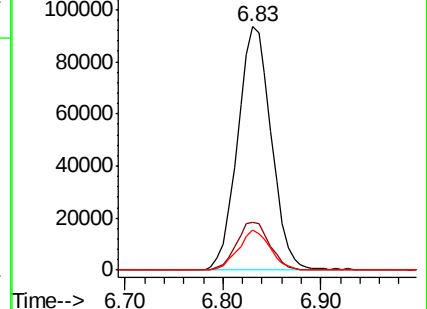
88 15.6 13.0 19.6

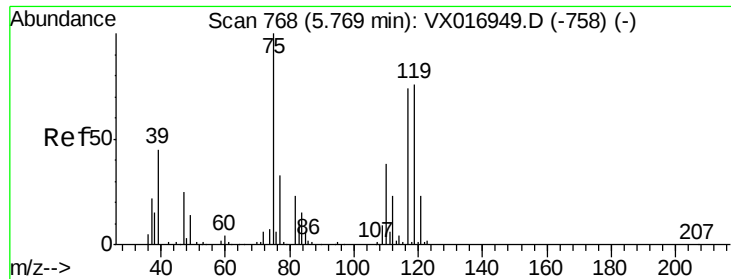


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 17.741 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

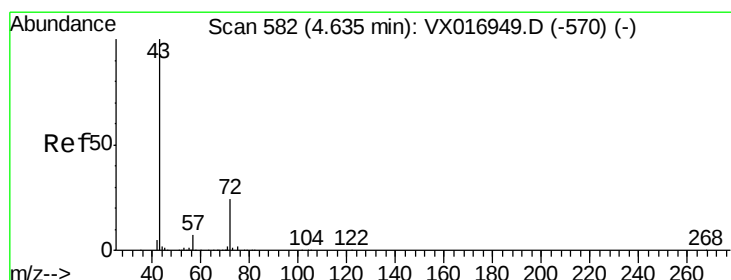
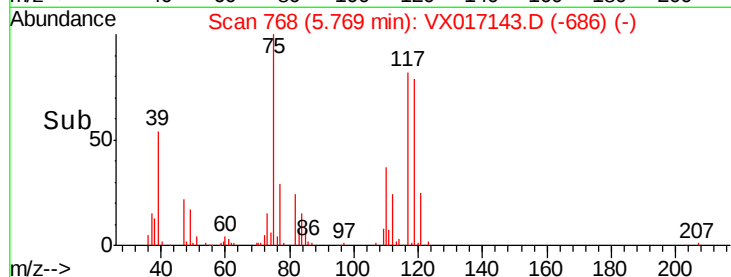
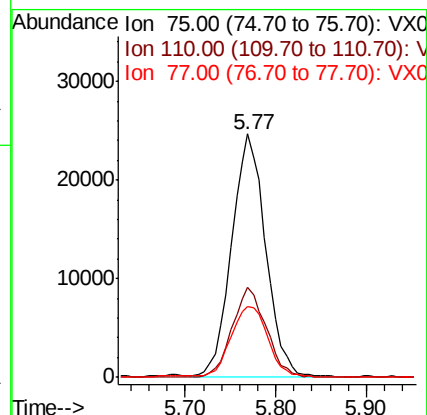
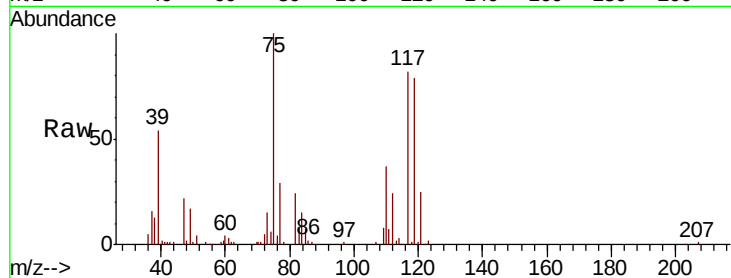
Tot Ion: 75 Resp: 64457

Ion Ratio Lower Upper

75 100

110 36.8 0.0 71.6

77 31.5 0.0 64.0



#30

2-Butanone

Concen: 89.373 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

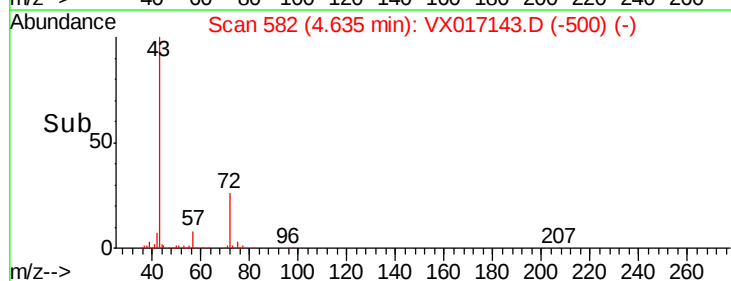
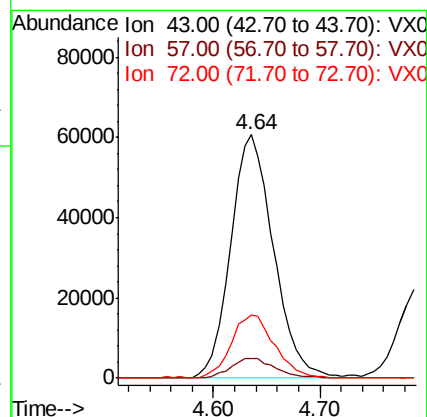
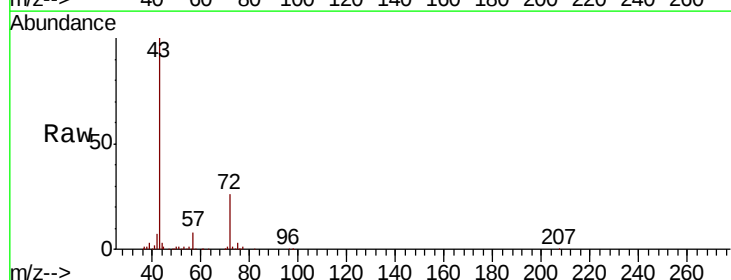
Tgt Ion: 43 Resp: 169252

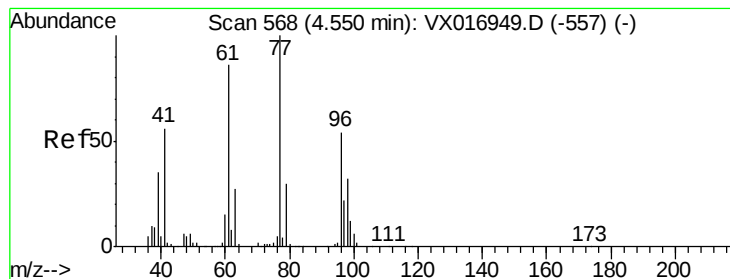
Ion Ratio Lower Upper

43 100

57 8.6 6.2 9.4

72 26.4 20.6 31.0





#31

2,2-Dichloropropane

Concen: 18.847 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

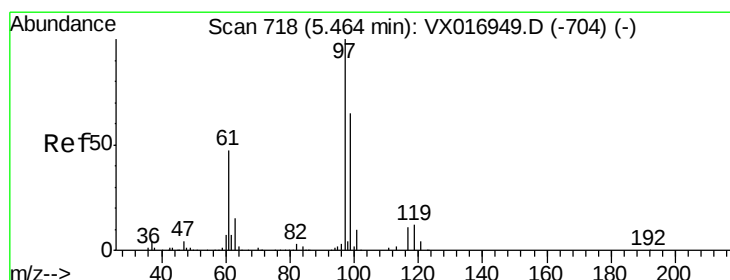
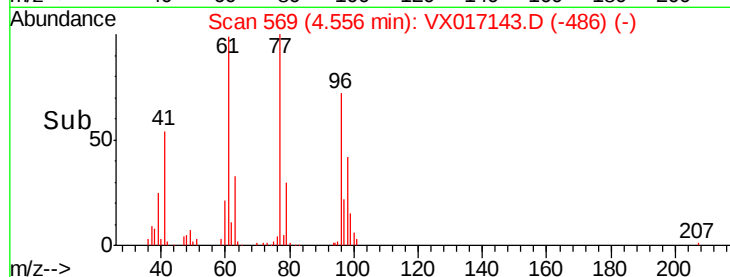
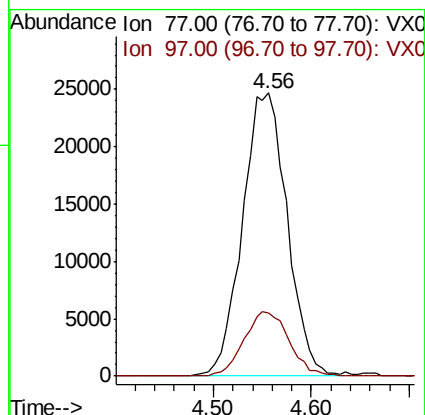
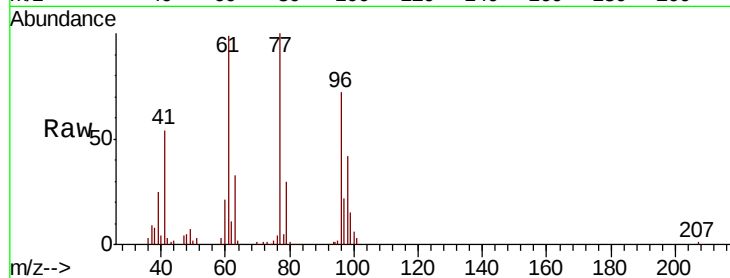
ClientSampled :

Tot Ion: 77 Resp: 78532

Ion Ratio Lower Upper

77 100

97 23.0 18.5 27.7



#32

1,1,1-Trichloroethane

Concen: 19.022 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

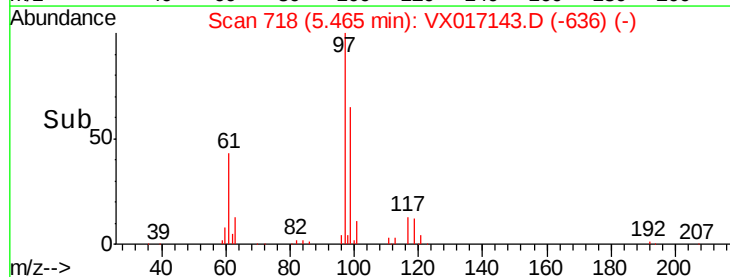
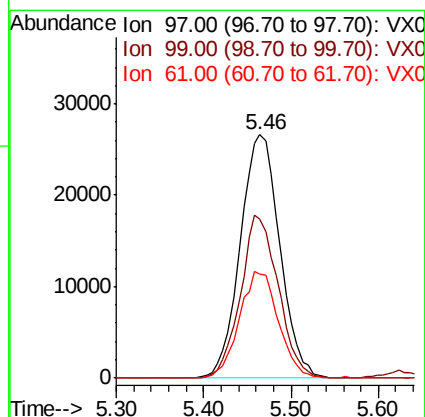
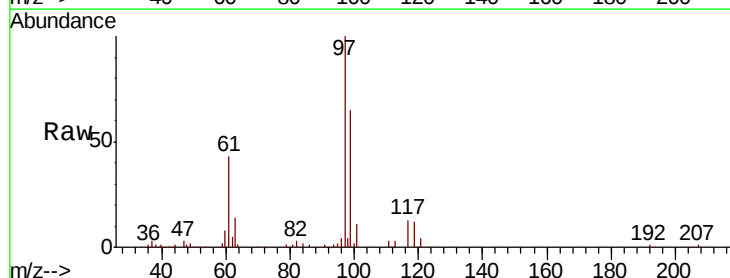
Tgt Ion: 97 Resp: 83626

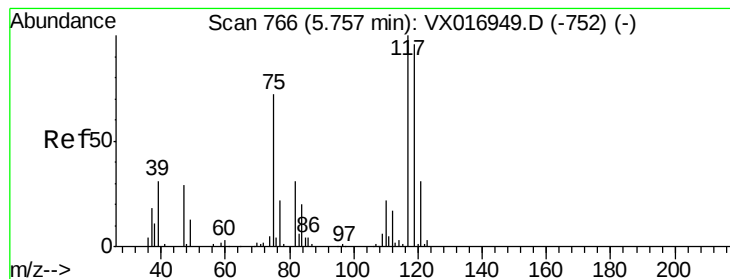
Ion Ratio Lower Upper

97 100

99 63.7 52.2 78.2

61 43.2 36.9 55.3





#33

Carbon Tetrachloride

Concen: 19.423 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :
MSVOA_X
ClientSampleId :

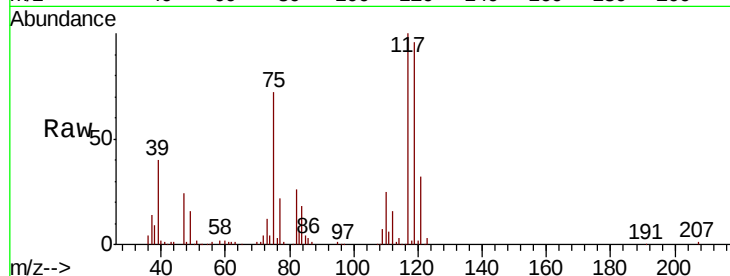
Tot Ion:117 Resp: 75724

Ion Ratio Lower Upper

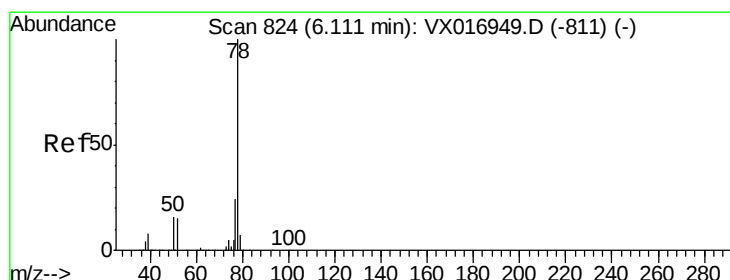
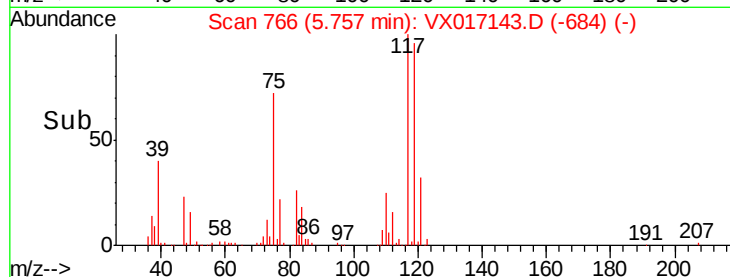
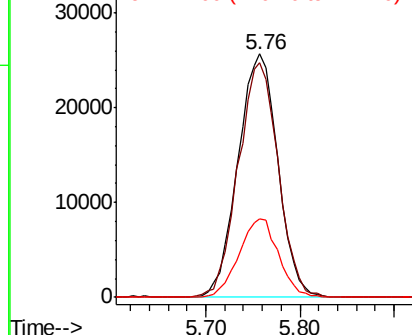
117 100

119 96.2 77.0 115.4

121 32.3 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.255 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

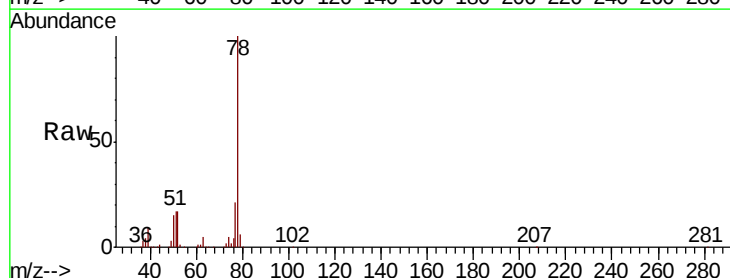
Tgt Ion: 78 Resp: 193120

Ion Ratio Lower Upper

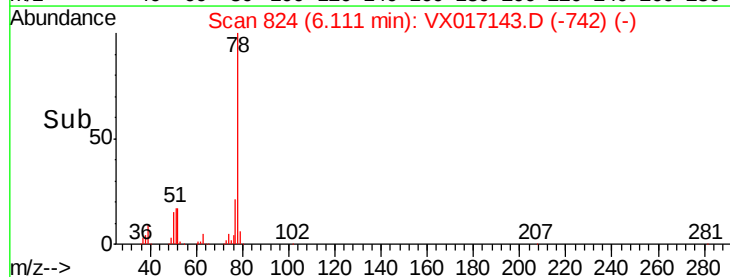
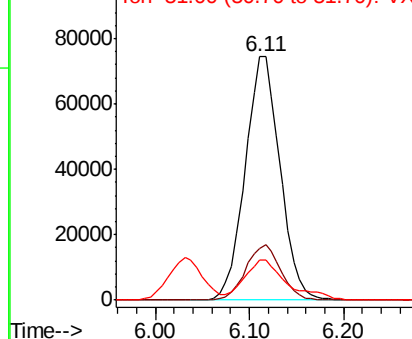
78 100

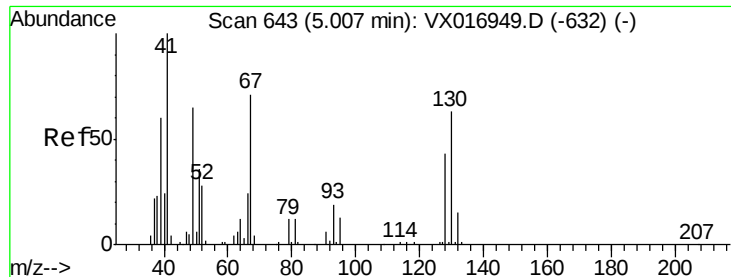
77 21.4 19.0 28.6

51 15.9 12.8 19.2



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

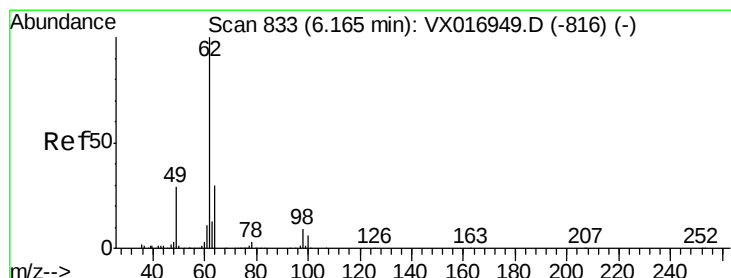
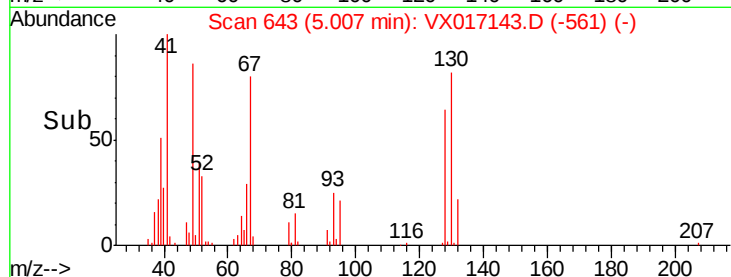
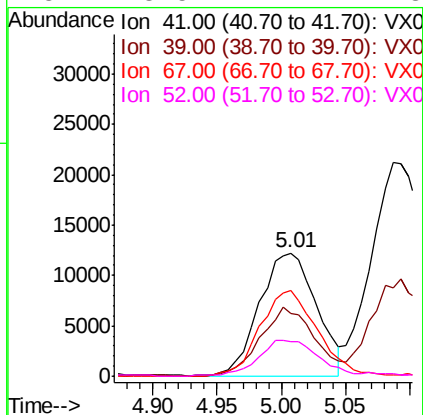
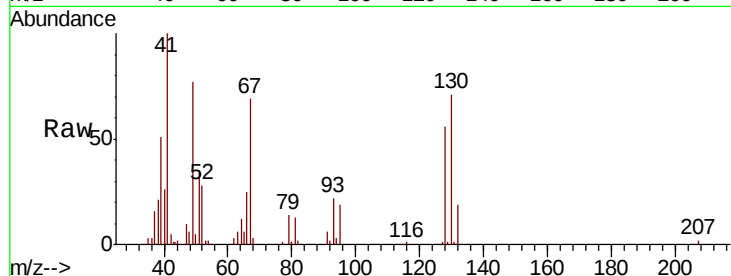




#35
Methacrylonitrile
Concen: 17.802 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

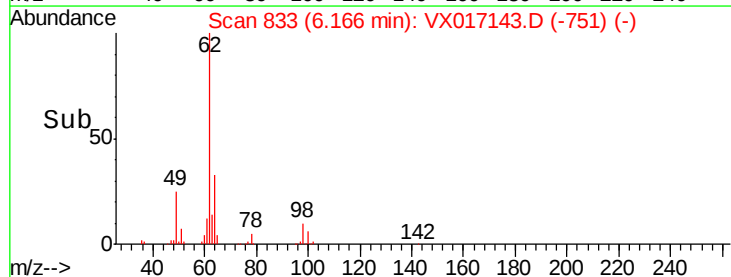
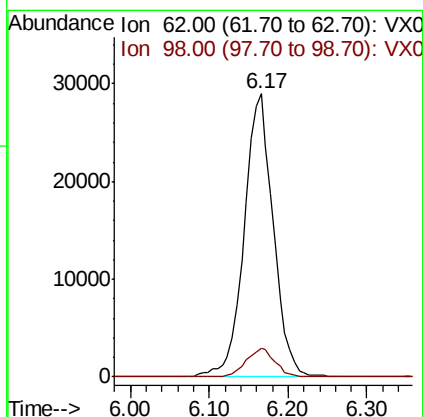
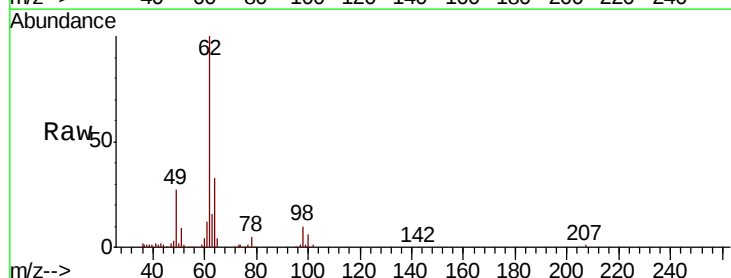
Instrument :
MSVOA_X
ClientSampled :

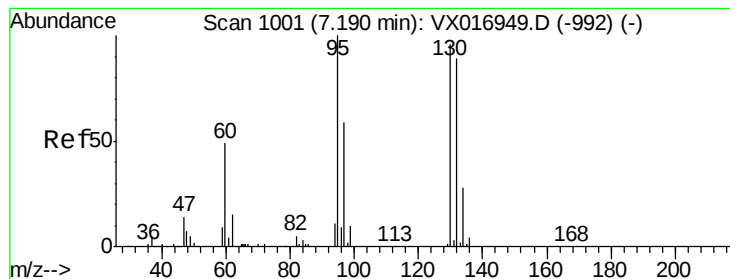
Tot Ion:	41	Resp:	37207
Ion	Ratio	Lower	Upper
41	100		
39	51.6	29.8	89.5
67	69.7	35.3	105.9
52	28.5	14.1	42.3



#36
1,2-Dichloroethane
Concen: 18.350 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion:	62	Resp:	74349
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.6	11.4





#37

Trichloroethene

Concen: 19.856 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

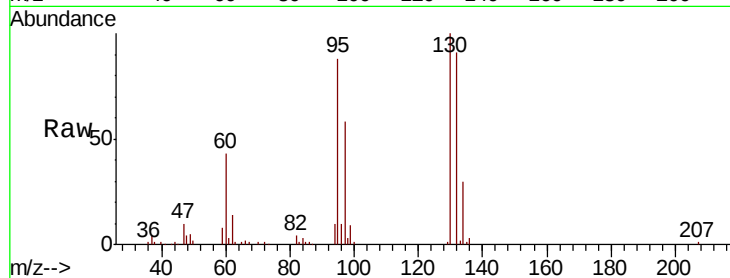
ClientSampleId :

Tot Ion:130 Resp: 57319

Ion Ratio Lower Upper

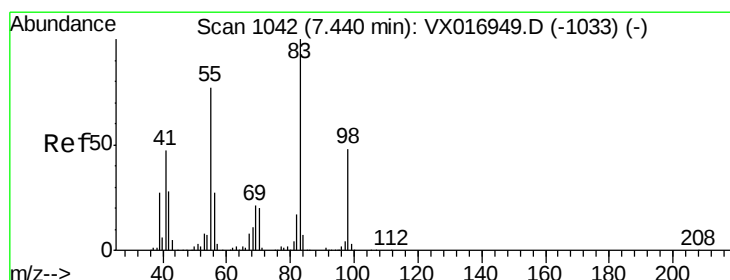
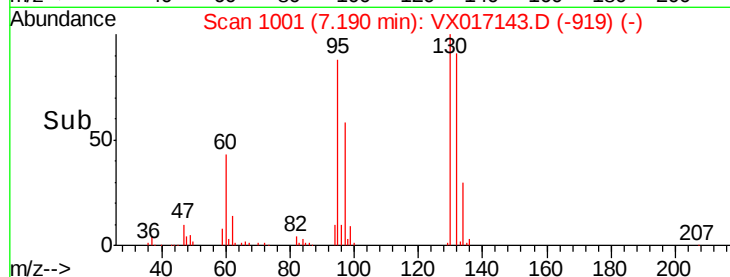
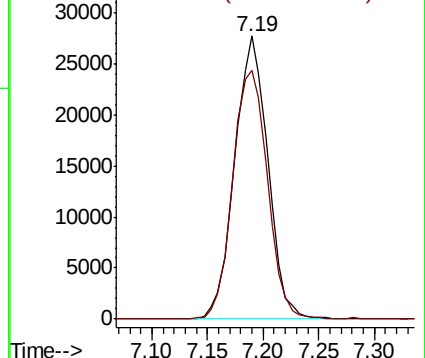
130 100

95 87.8 83.1 124.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 17.430 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

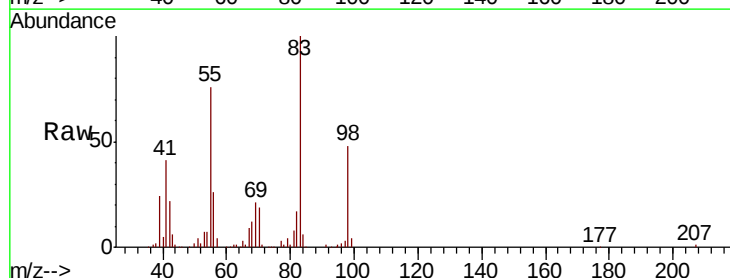
Tgt Ion: 83 Resp: 72119

Ion Ratio Lower Upper

83 100

55 77.1 38.1 114.5

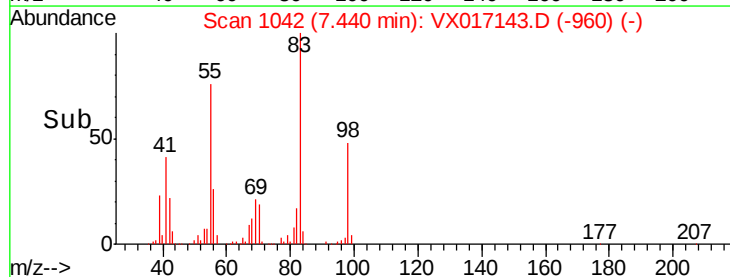
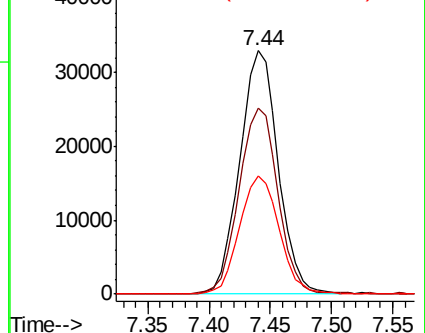
98 50.1 24.6 73.6

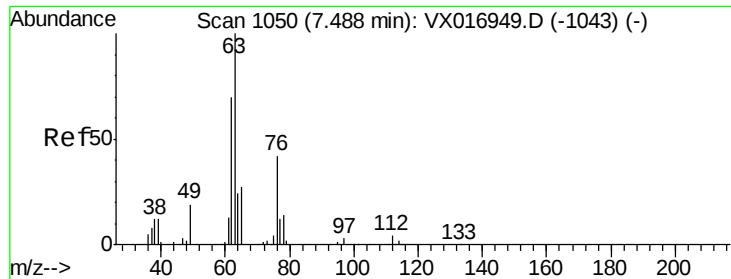


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

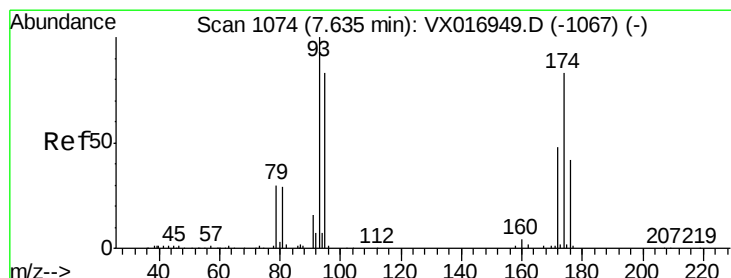
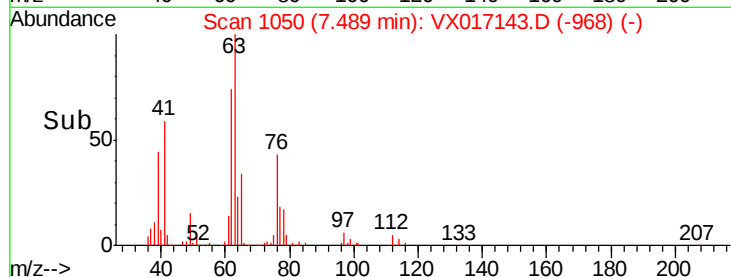
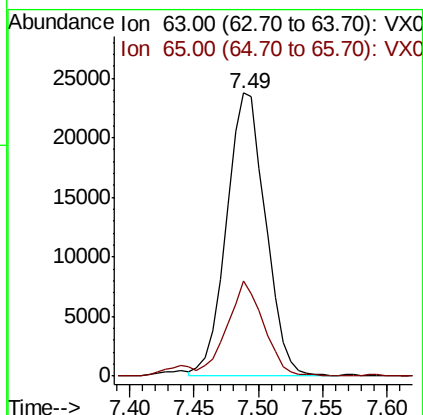
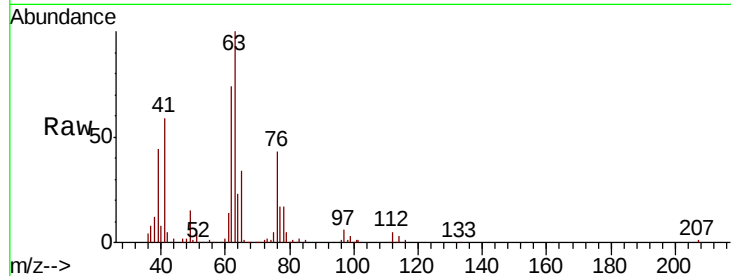




#39
 1,2-Dichloropropane
 Concen: 18.213 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

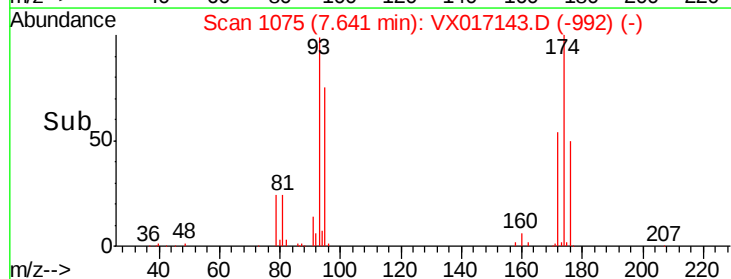
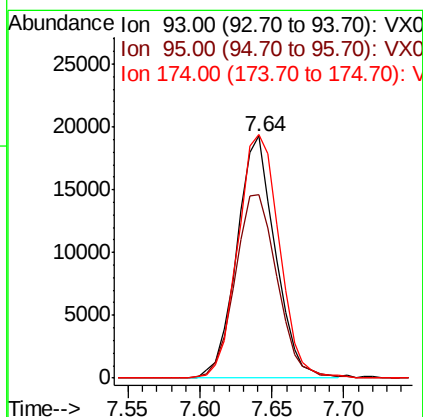
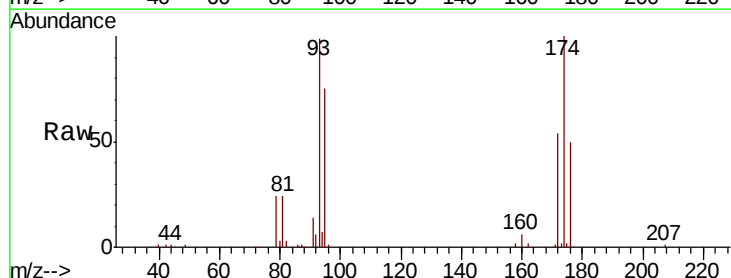
Instrument :
 MSVOA_X
 ClientSampled :

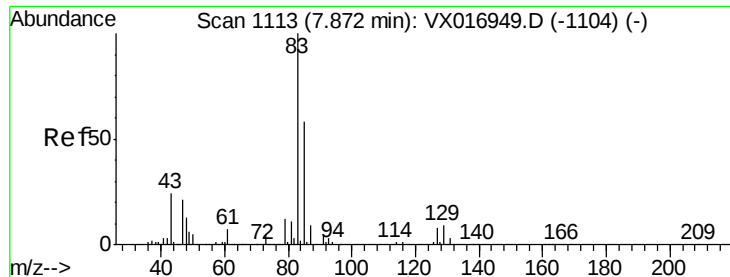
Tot Ion: 63 Resp: 50198
 Ion Ratio Lower Upper
 63 100
 65 33.5 22.8 34.2



#40
 Dibromomethane
 Concen: 18.784 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion: 93 Resp: 35681
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 165.4
 174 108.4 0.0 192.0





#41

Bromodichloromethane

Concen: 18.257 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

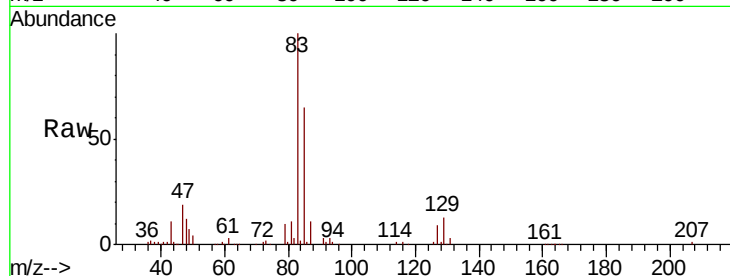
Tot Ion: 83 Resp: 71813

Ion Ratio Lower Upper

83 100

85 65.3 46.7 70.1

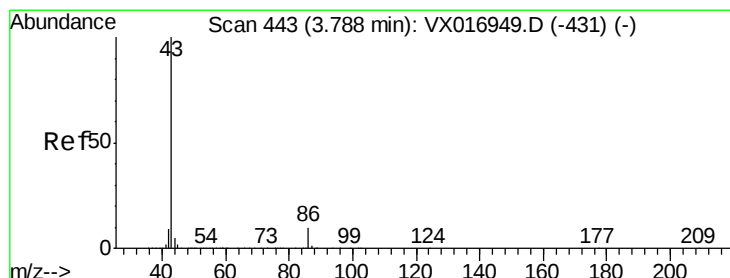
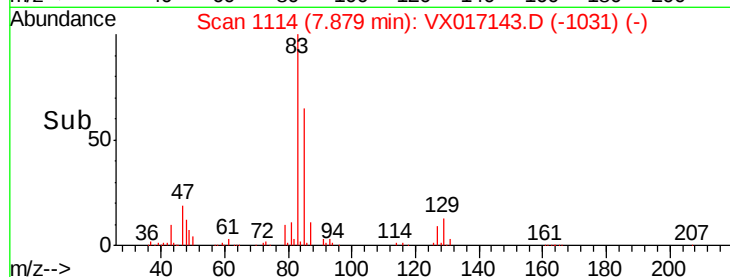
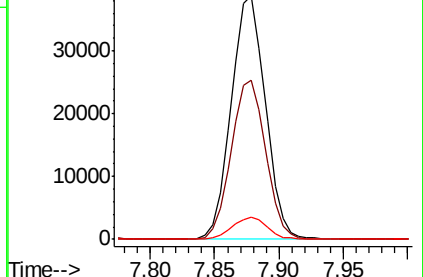
127 8.9 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): VX0



#42

Vinyl Acetate

Concen: 87.551 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017143.D

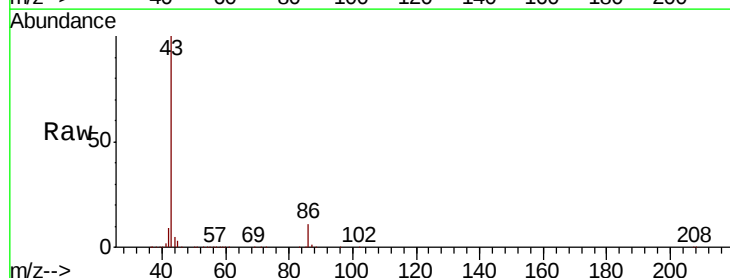
Acq: 02 Jul 2020 13:16

Tgt Ion: 43 Resp: 668143

Ion Ratio Lower Upper

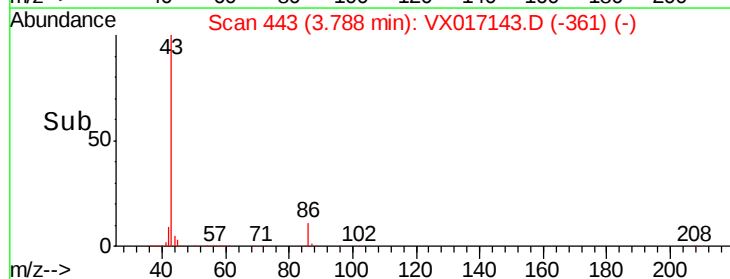
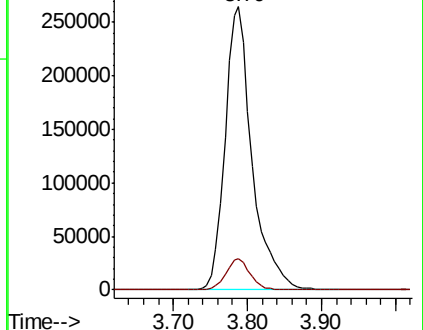
43 100

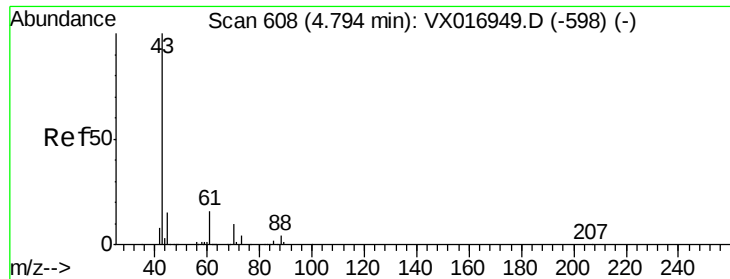
86 9.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

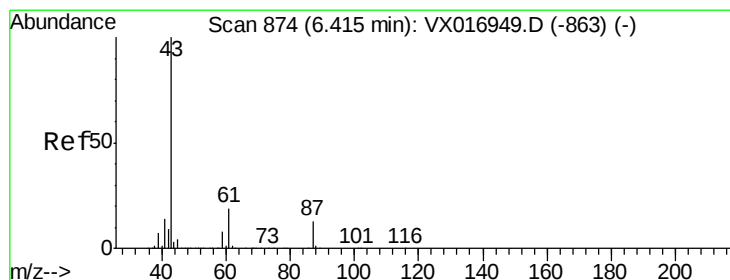
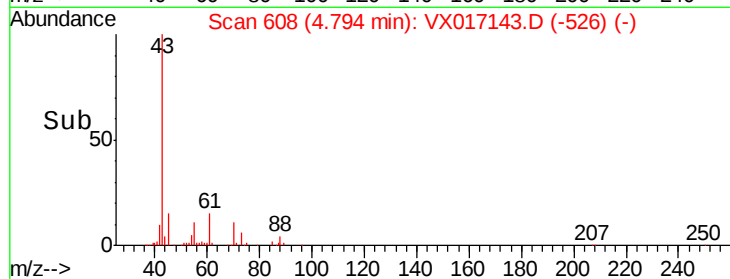
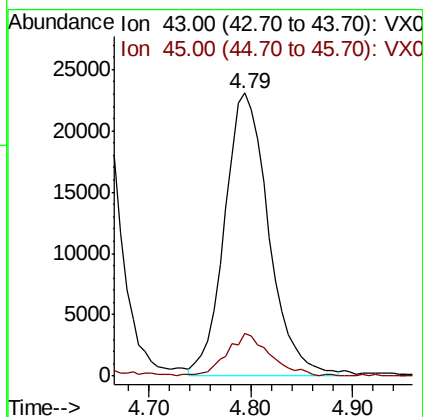
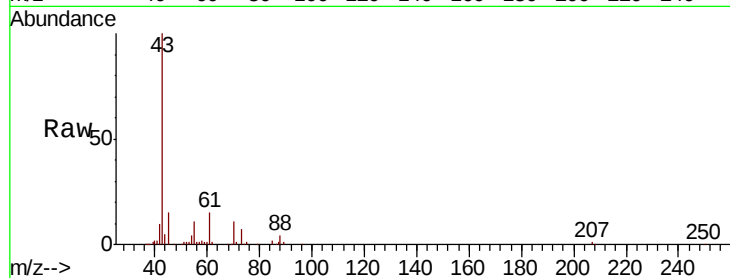




#43
Ethyl Acetate
Concen: 17.511 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

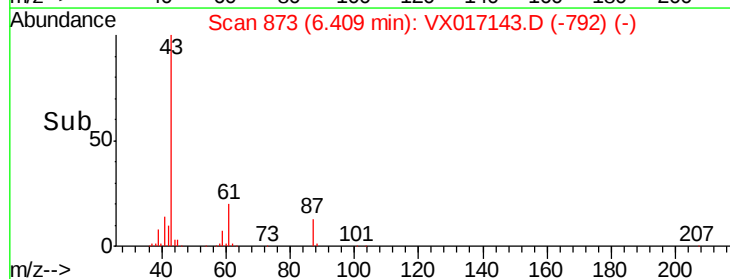
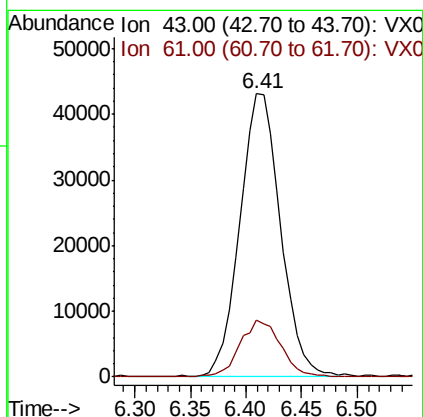
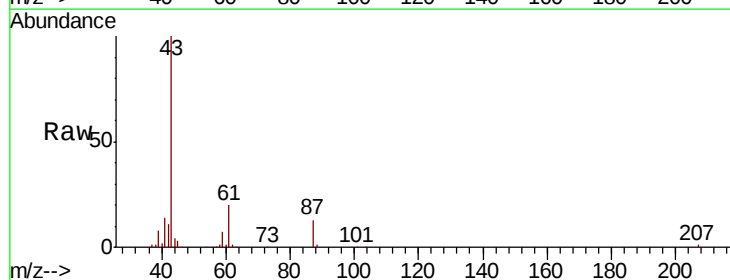
Instrument :
MSVOA_X
ClientSampled :

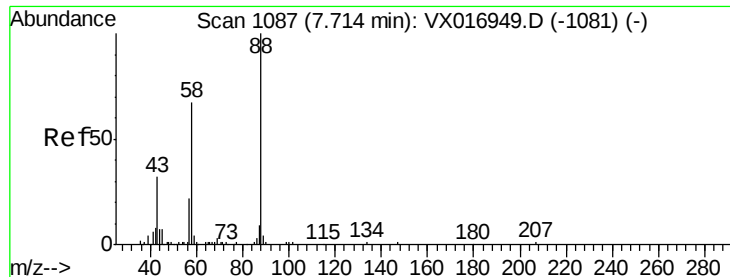
Tot Ion: 43 Resp: 68690
Ion Ratio Lower Upper
43 100
45 14.2 11.8 17.6



#44
Isopropyl Acetate
Concen: 16.882 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 43 Resp: 109156
Ion Ratio Lower Upper
43 100
61 20.2 15.4 23.2





#45

1,4-Dioxane

Concen: 353.655 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

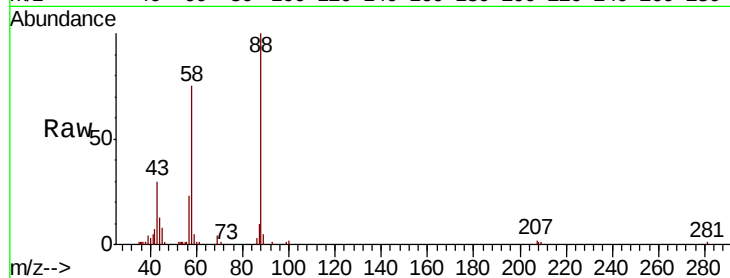
Tot Ion: 88 Resp: 23069

Ion Ratio Lower Upper

88 100

43 37.0 28.9 43.3

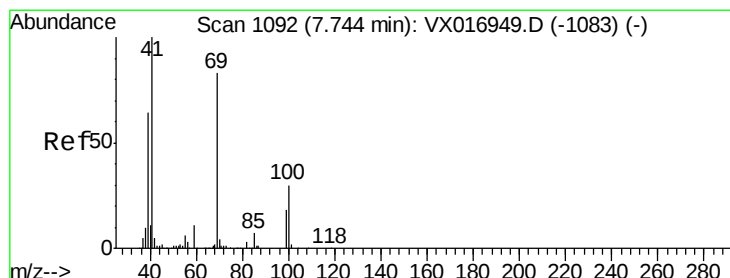
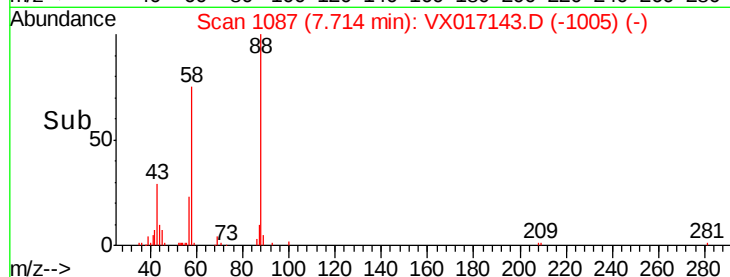
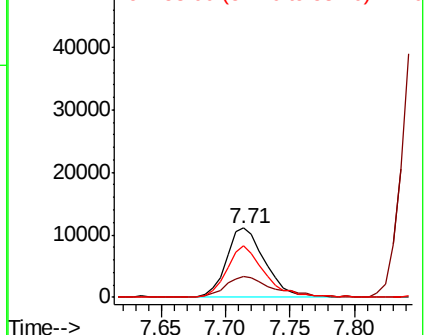
58 71.5 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 18.218 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

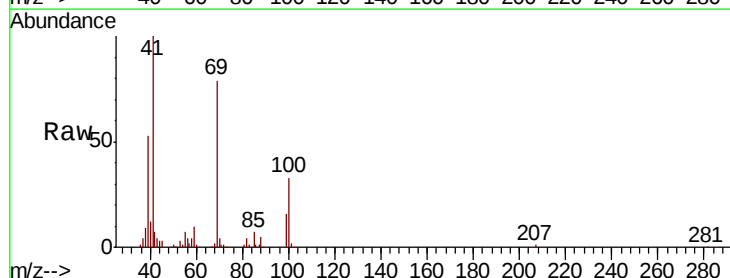
Tgt Ion: 41 Resp: 54511

Ion Ratio Lower Upper

41 100

69 78.6 41.3 123.9

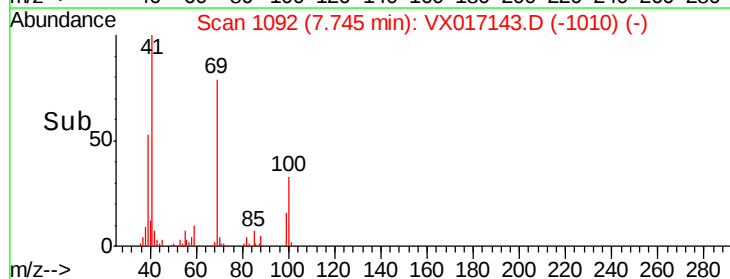
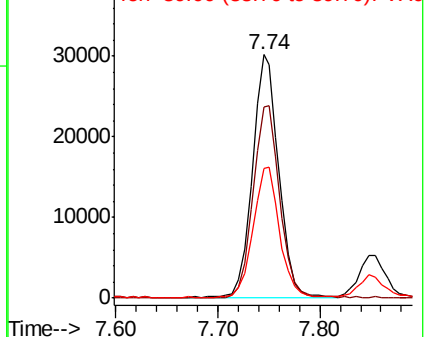
39 52.6 32.0 96.2

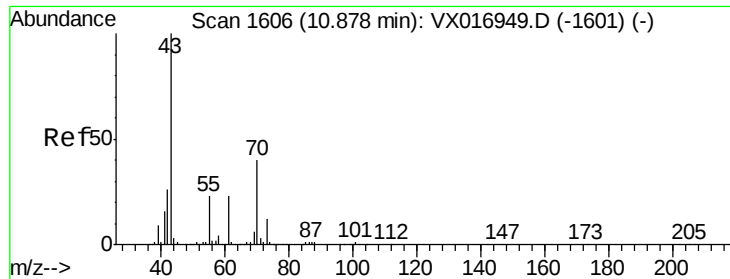


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 16.180 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

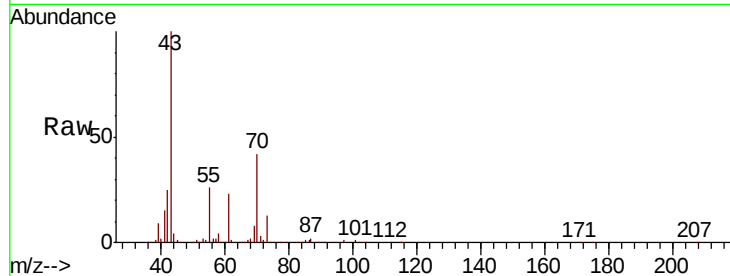
ClientSampleId :

Tot Ion: 43 Resp: 92472

Ion Ratio Lower Upper

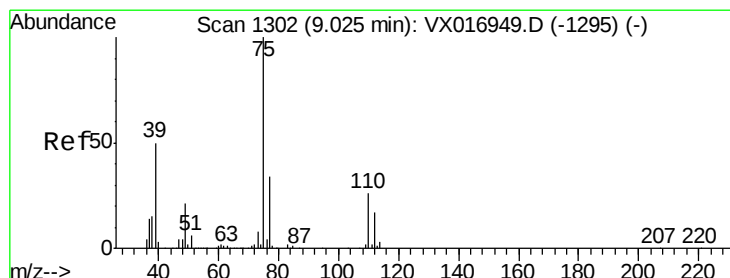
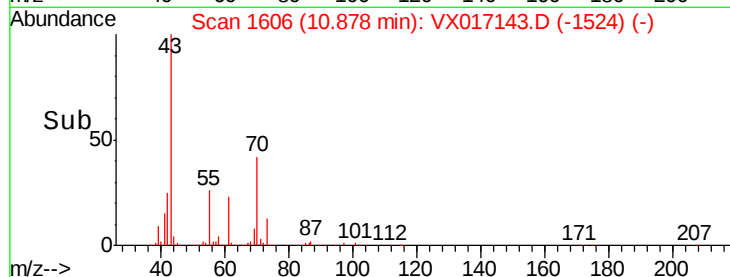
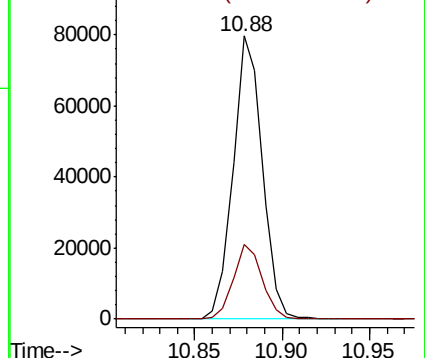
43 100

55 26.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 17.673 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017143.D

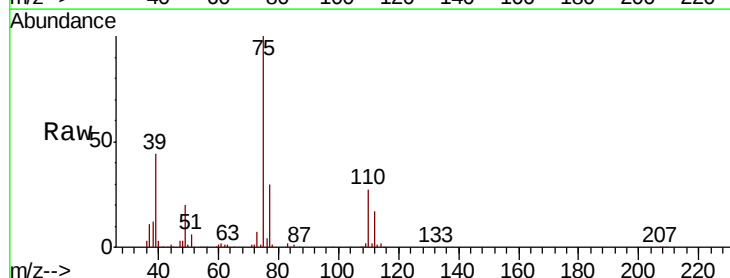
Acq: 02 Jul 2020 13:16

Tgt Ion: 75 Resp: 76861

Ion Ratio Lower Upper

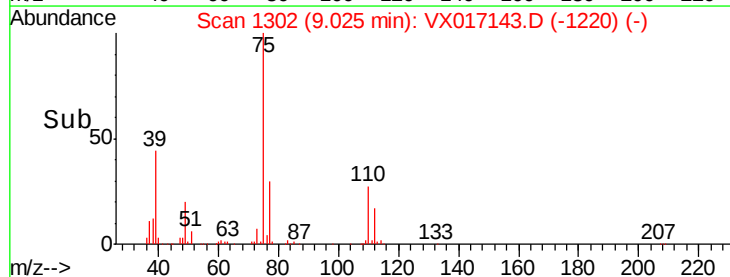
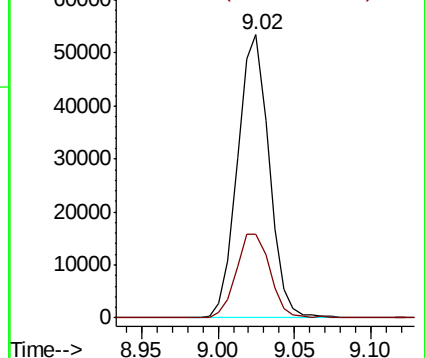
75 100

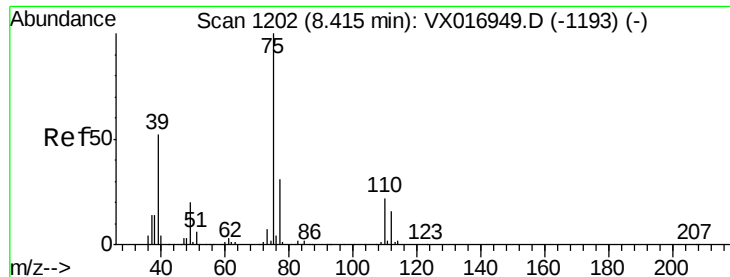
77 29.5 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



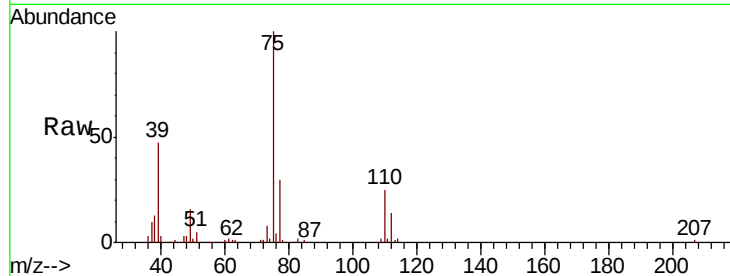


#49

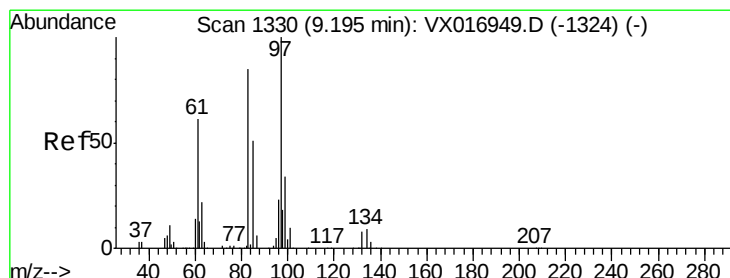
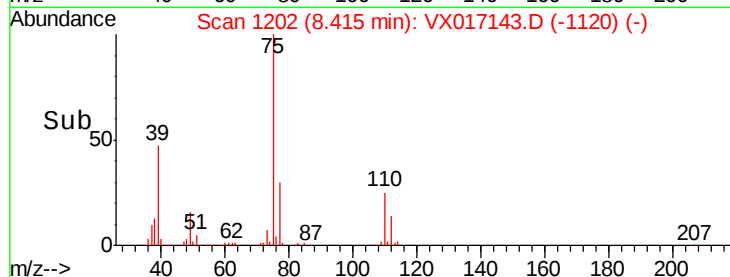
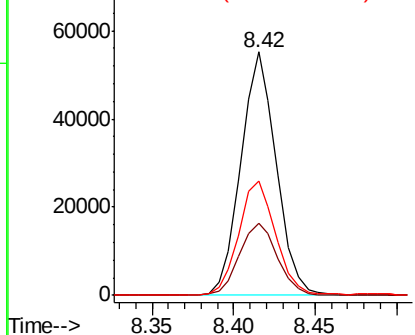
cis-1,3-Dichloropropene
 Concen: 18.240 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.8	37.2
39	46.8	41.8	62.6



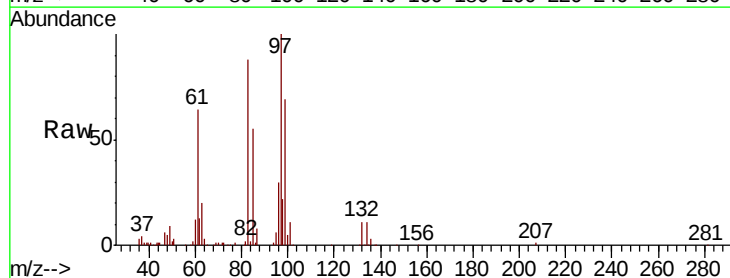
Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0



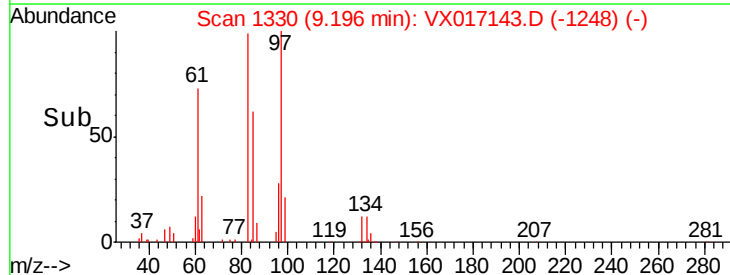
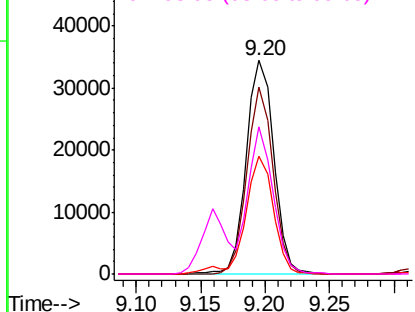
#50

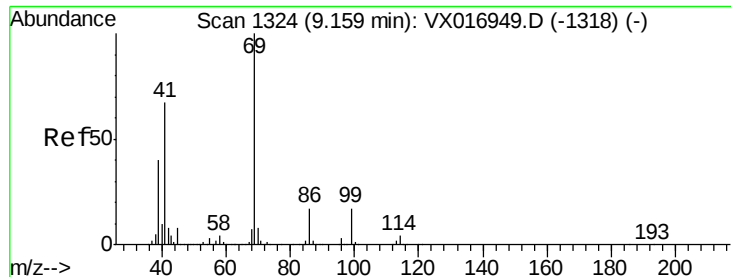
1,1,2-Trichloroethane
 Concen: 19.131 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.4	101.0
85	54.9	42.9	64.3
99	68.5	47.8	71.6



Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 17.403 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

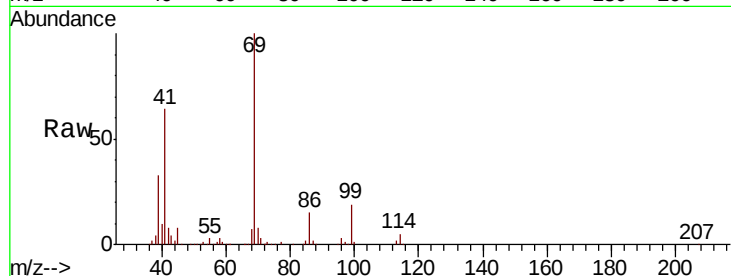
Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

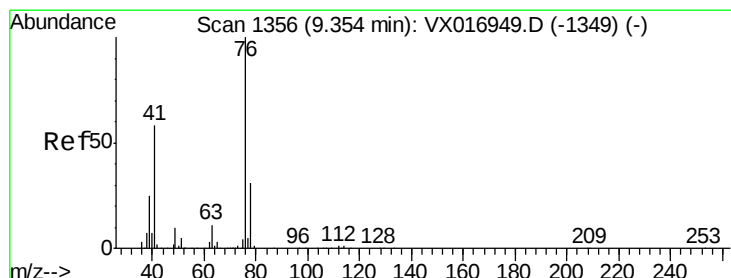
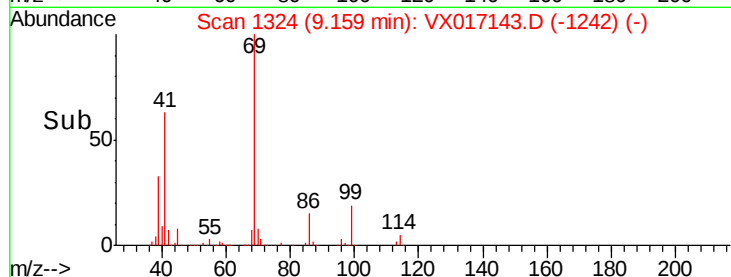
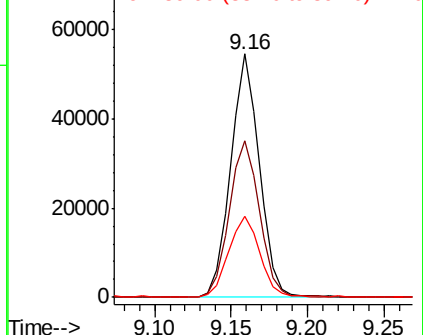
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 69 Resp: 70802

Ion	Ratio	Lower	Upper
69	100		
41	64.0	33.7	101.1
39	33.4	19.9	59.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 18.495 ug/l

RT: 9.35 min Scan# 1356

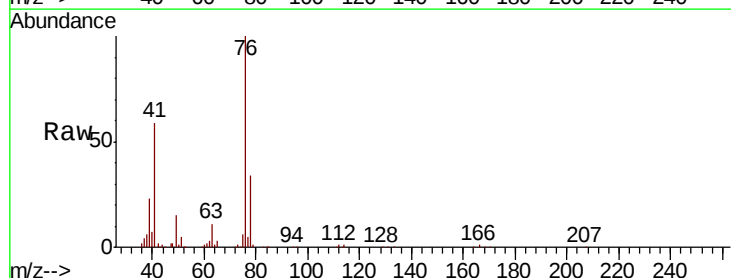
Delta R.T. 0.00 min

Lab File: VX017143.D

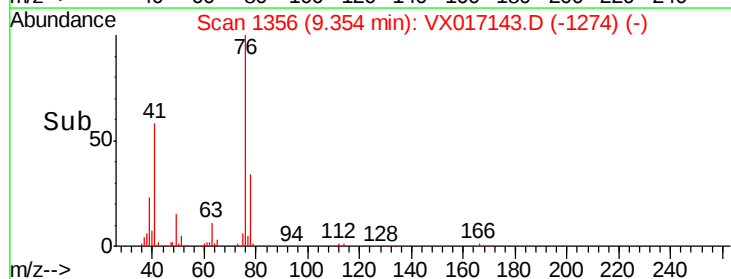
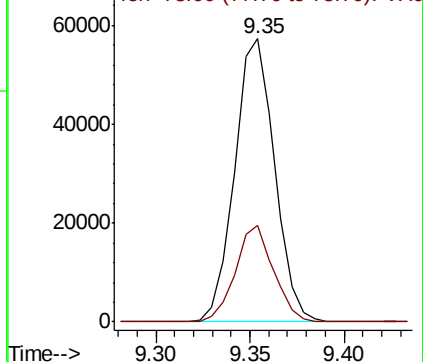
Acq: 02 Jul 2020 13:16

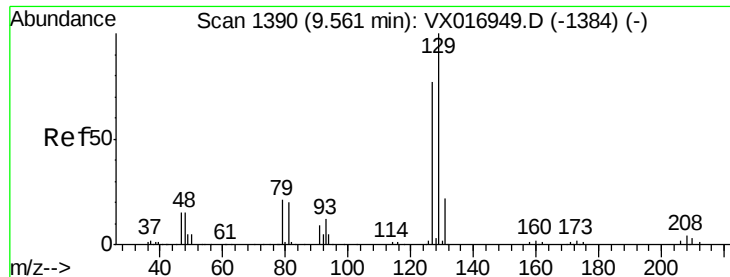
Tgt Ion: 76 Resp: 84178

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	62.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.709 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

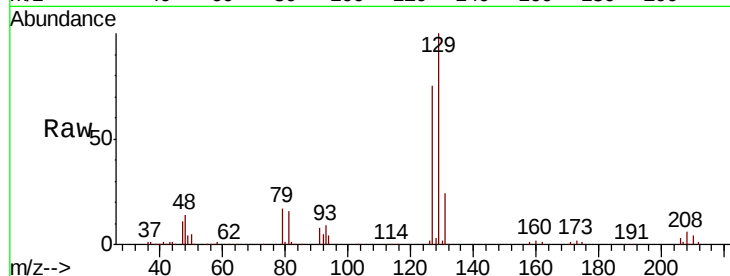
ClientSampleId :

Tot Ion:129 Resp: 60053

Ion Ratio Lower Upper

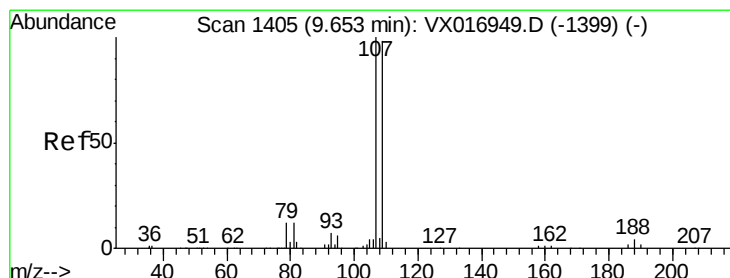
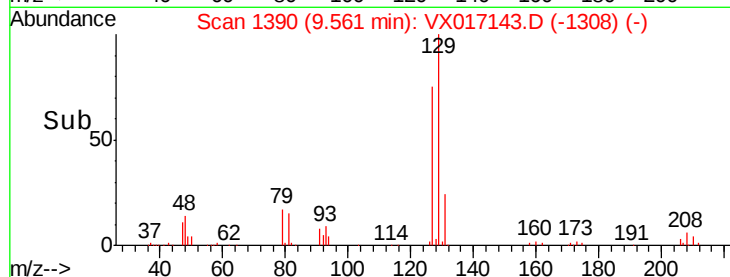
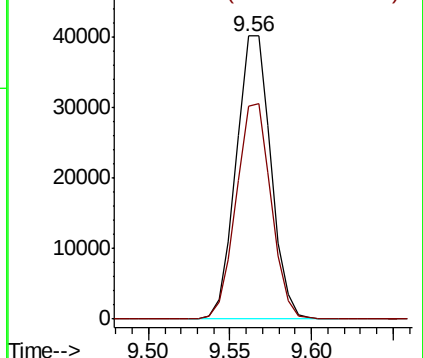
129 100

127 76.3 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.204 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017143.D

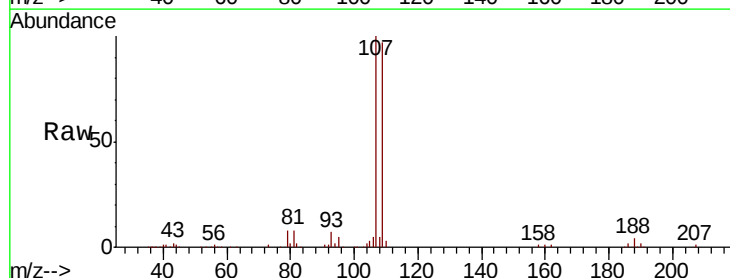
Acq: 02 Jul 2020 13:16

Tgt Ion:107 Resp: 54021

Ion Ratio Lower Upper

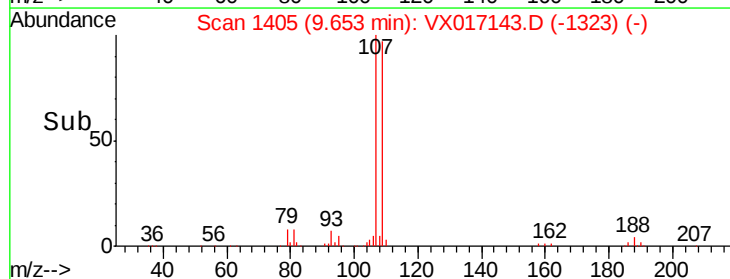
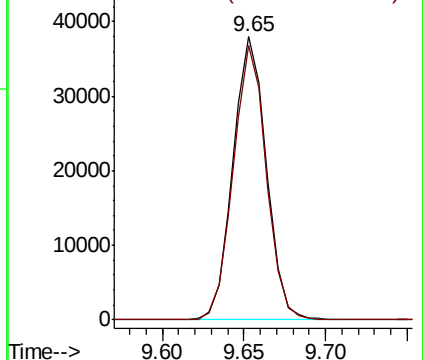
107 100

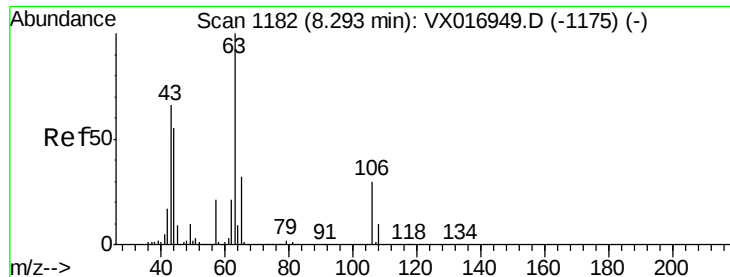
109 96.0 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

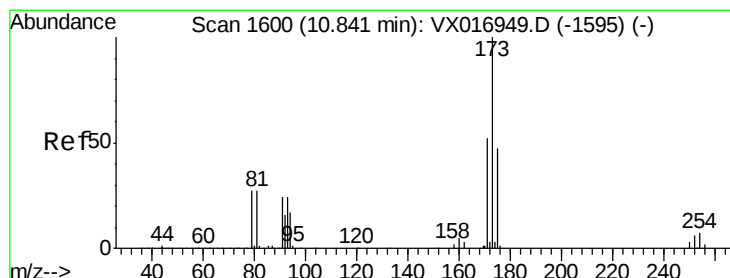
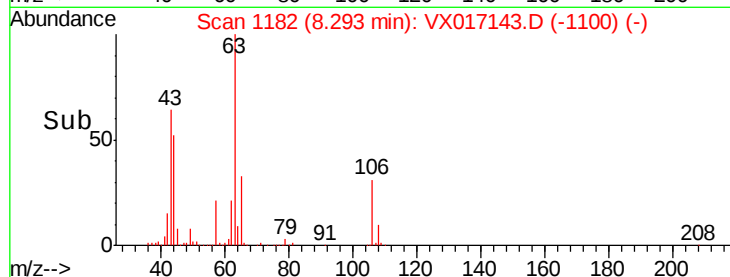
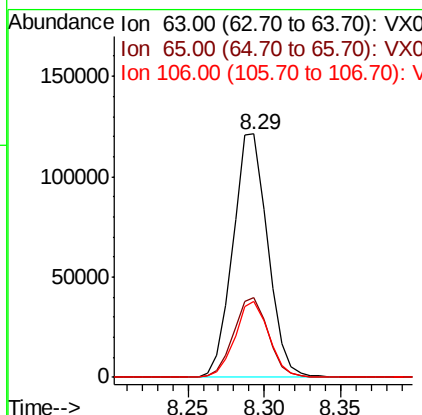
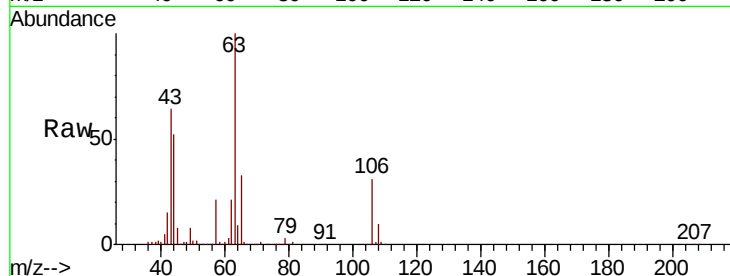




#55
2-Chloroethyl vinyl ether
Concen: 89.705 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

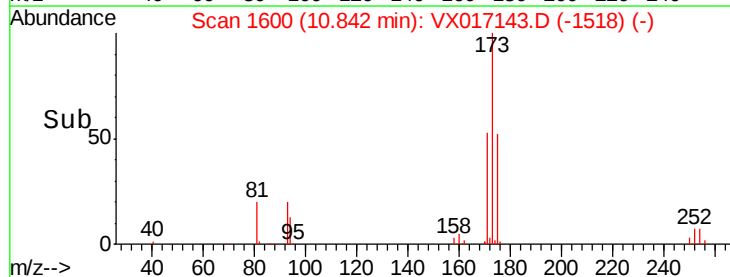
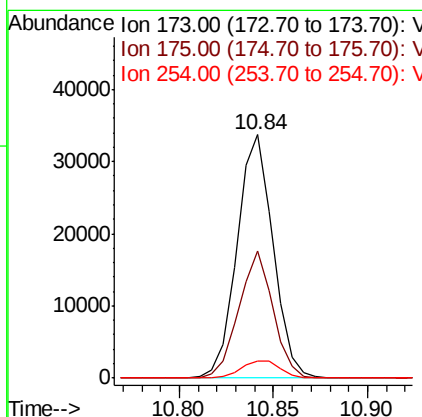
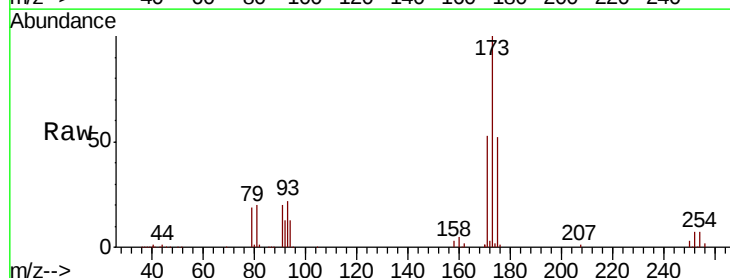
Instrument :
MSVOA_X
ClientSampleId :

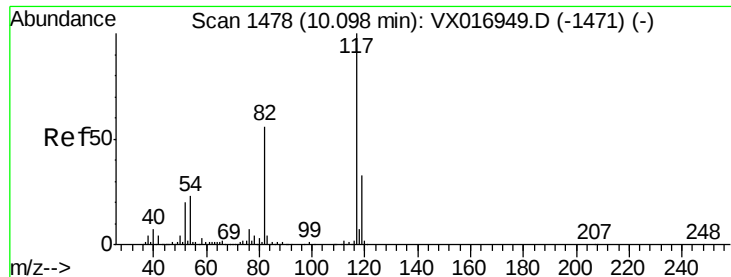
Tot Ion: 63 Resp: 192052
Ion Ratio Lower Upper
63 100
65 32.7 25.9 38.9
106 30.3 22.6 33.8



#56
Bromoform
Concen: 20.617 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 173 Resp: 44593
Ion Ratio Lower Upper
173 100
175 49.7 38.7 58.1
254 7.8 5.8 8.6

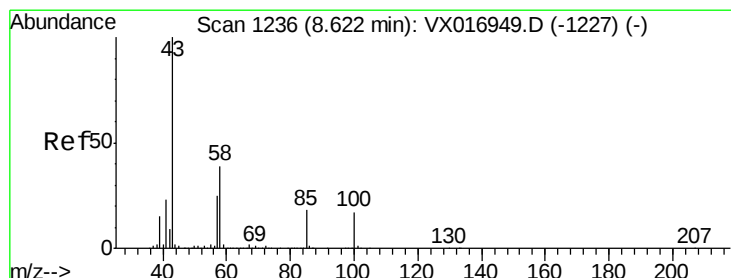
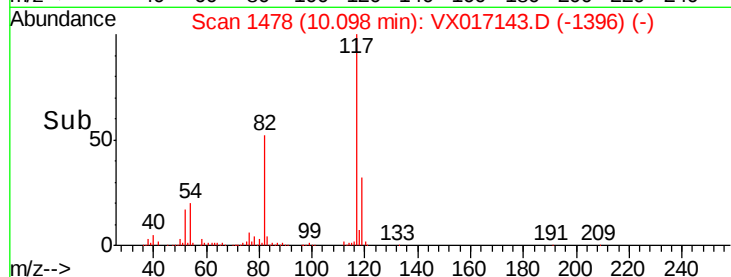
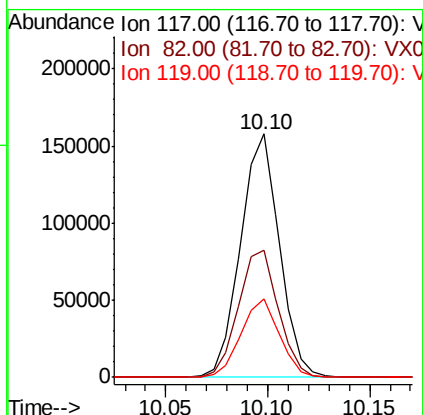
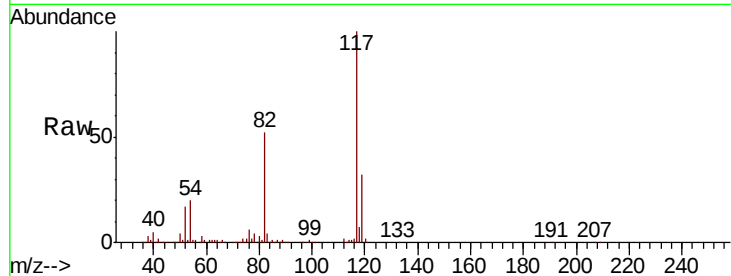




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

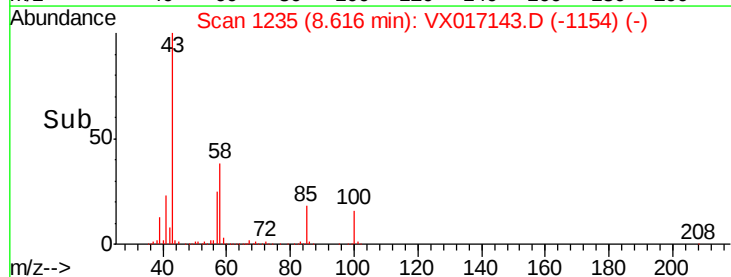
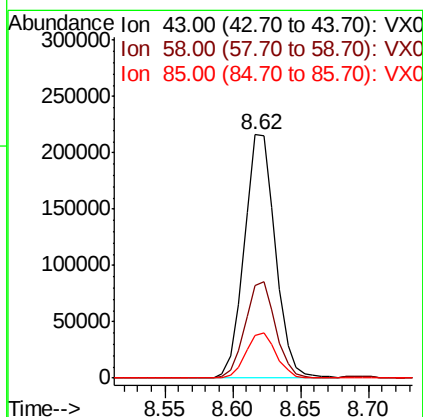
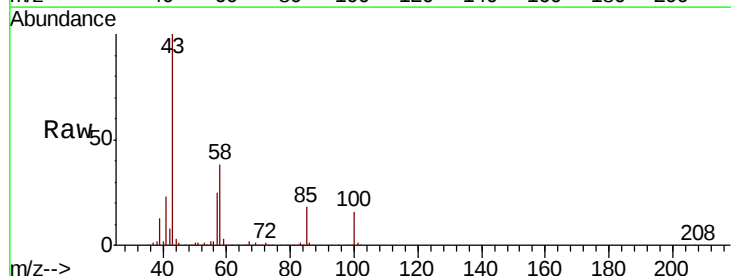
Instrument :
MSVOA_X
ClientSampleId :

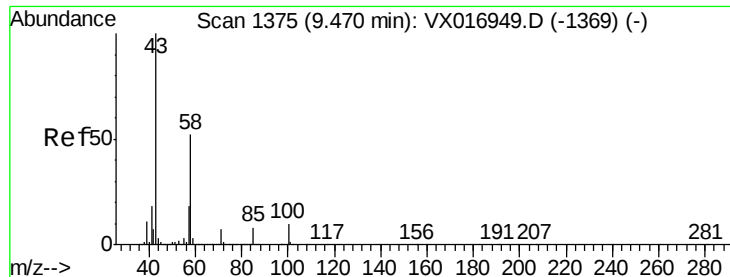
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.9	67.3
119	32.0	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 89.938 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.4	45.6
85	18.4	13.5	20.3

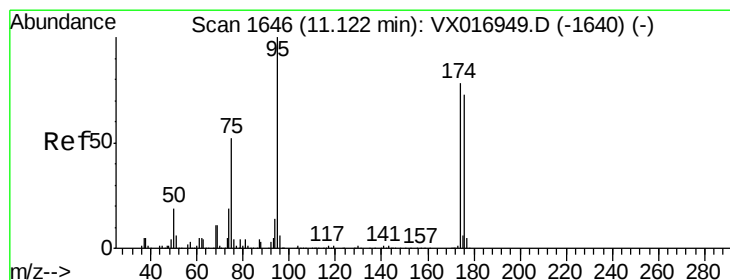
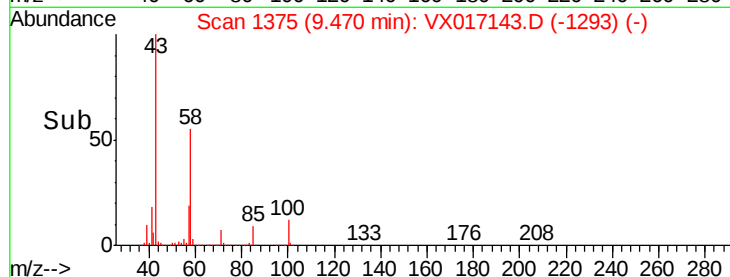
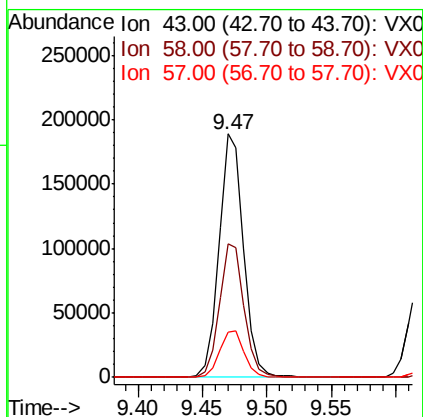
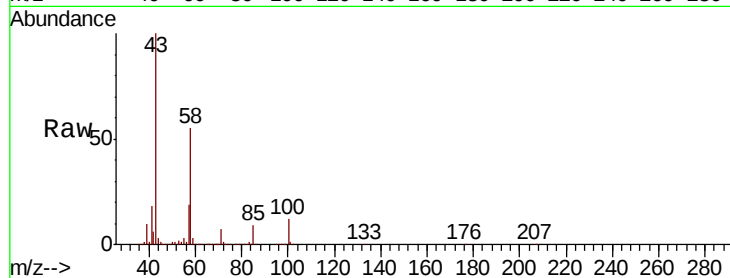




#59
2-Hexanone
Concen: 88.011 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

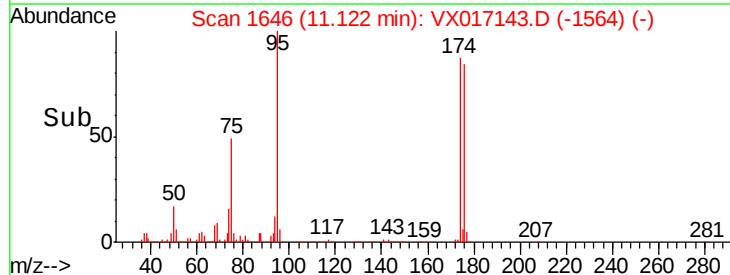
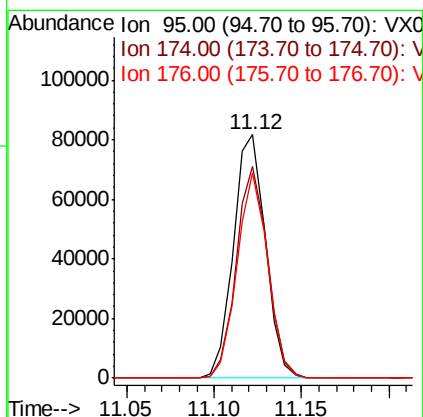
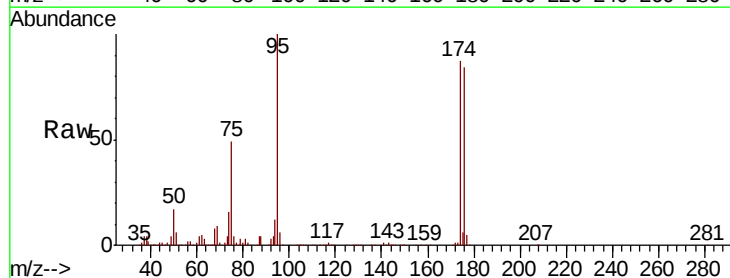
Instrument :
MSVOA_X
ClientSampleId :

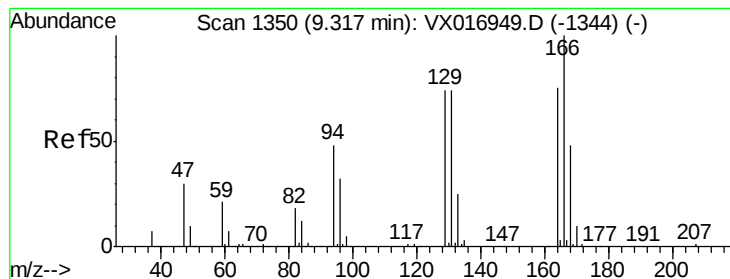
Tot Ion: 43 Resp: 252388
Ion Ratio Lower Upper
43 100
58 55.2 42.3 63.5
57 19.5 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.929 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 95 Resp: 104120
Ion Ratio Lower Upper
95 100
174 85.0 62.2 93.4
176 80.9 58.9 88.3





#61

Tetrachloroethene

Concen: 20.995 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 55853

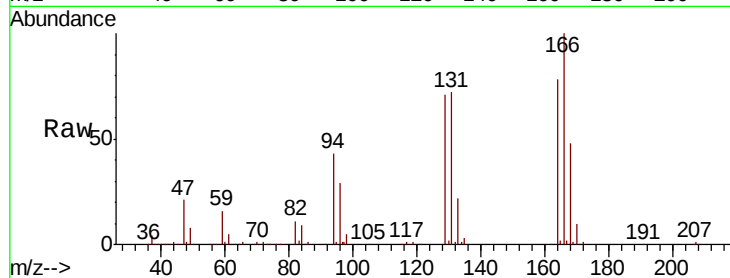
Ion Ratio Lower Upper

164 100

166 128.2 106.3 159.5

129 91.4 78.9 118.3

131 92.7 78.2 117.4

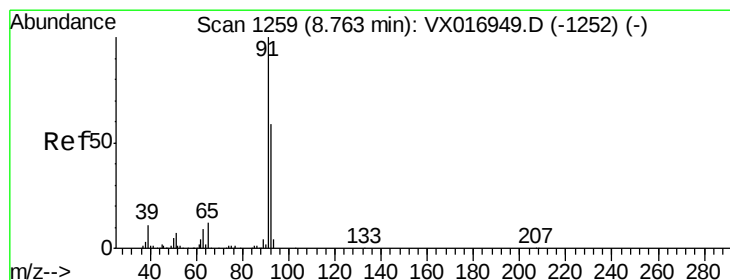
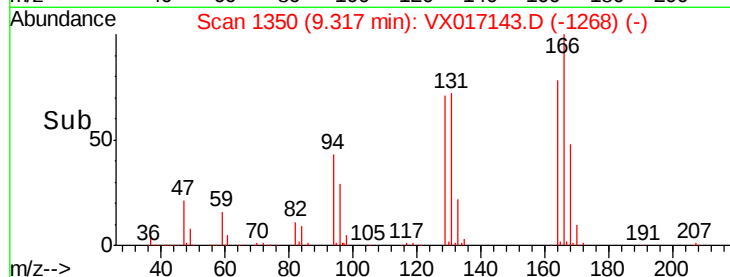
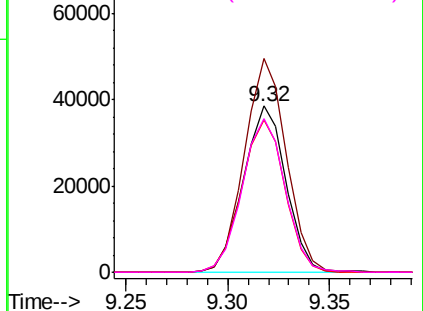


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.544 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017143.D

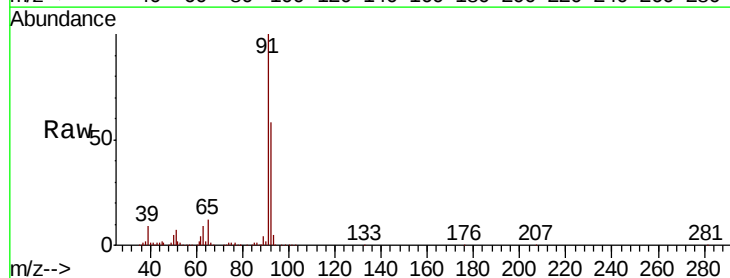
Acq: 02 Jul 2020 13:16

Tgt Ion: 91 Resp: 211579

Ion Ratio Lower Upper

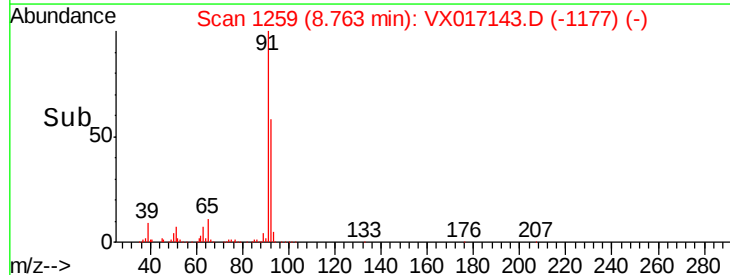
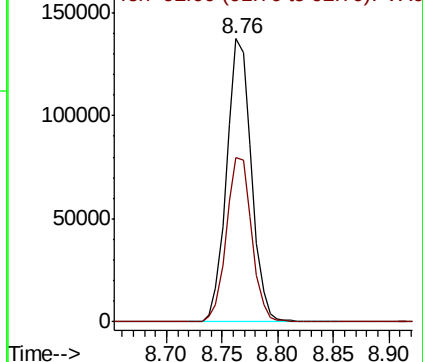
91 100

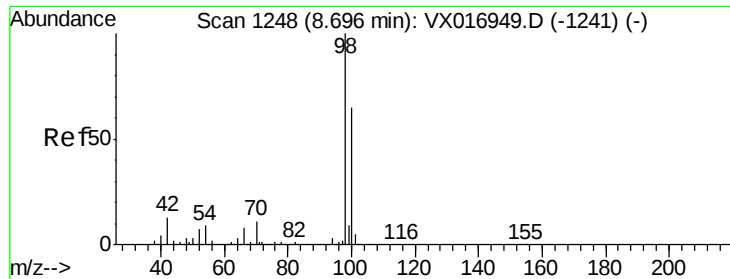
92 59.4 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.886 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

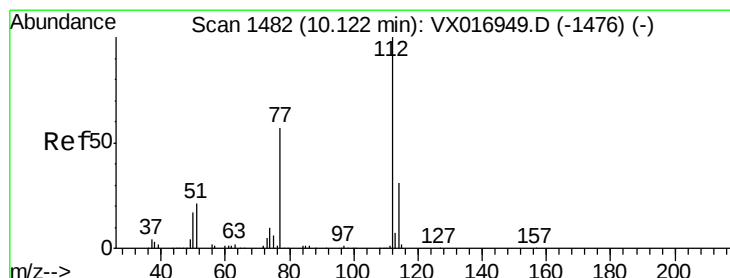
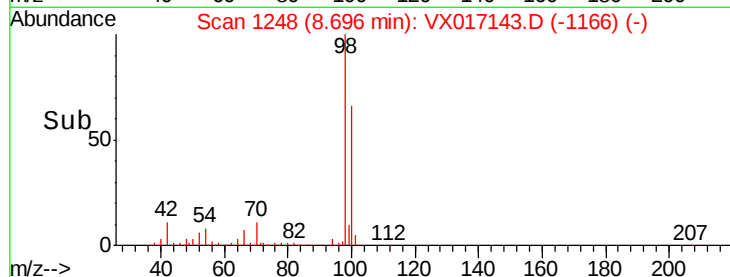
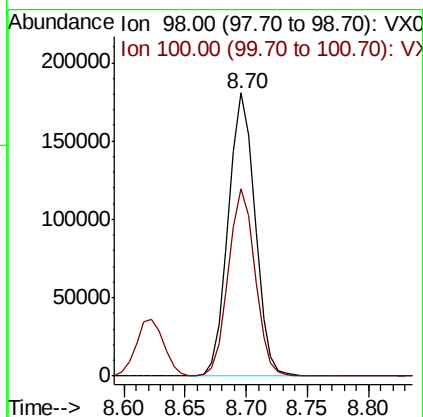
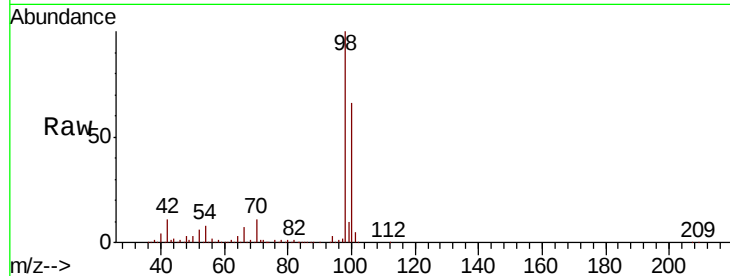
ClientSampleId :

Tot Ion: 98 Resp: 274806

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5



#64

Chlorobenzene

Concen: 18.559 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017143.D

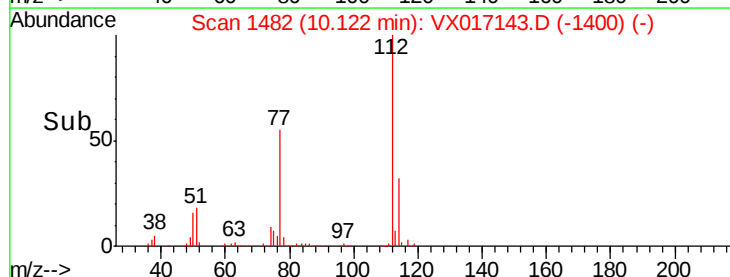
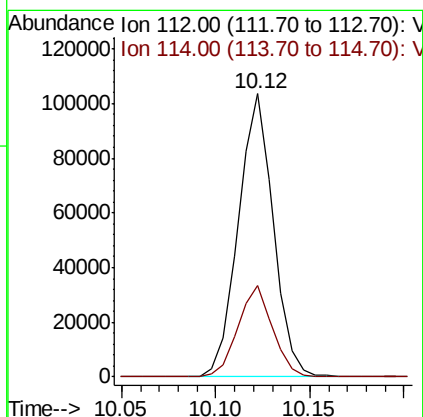
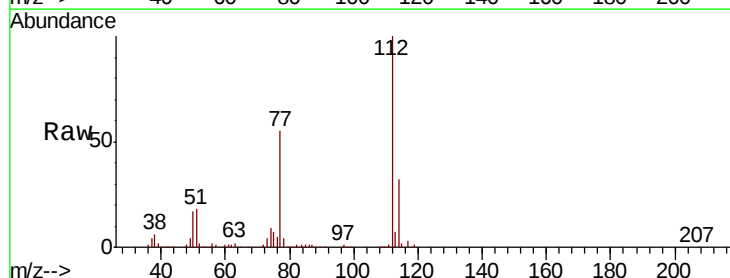
Acq: 02 Jul 2020 13:16

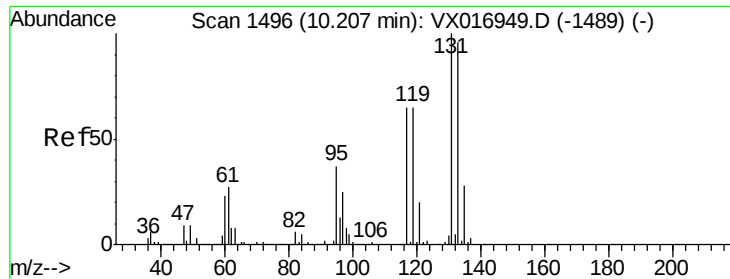
Tgt Ion: 112 Resp: 132661

Ion Ratio Lower Upper

112 100

114 32.4 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.172 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampled :

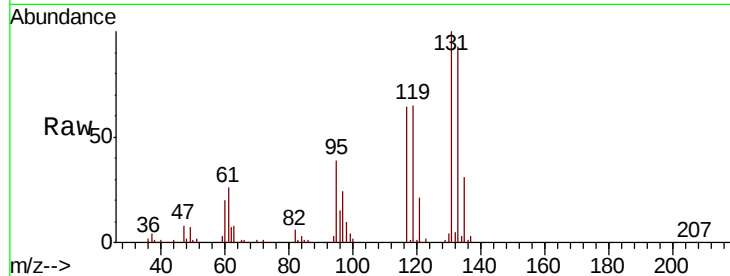
Tot Ion:131 Resp: 54282

Ion Ratio Lower Upper

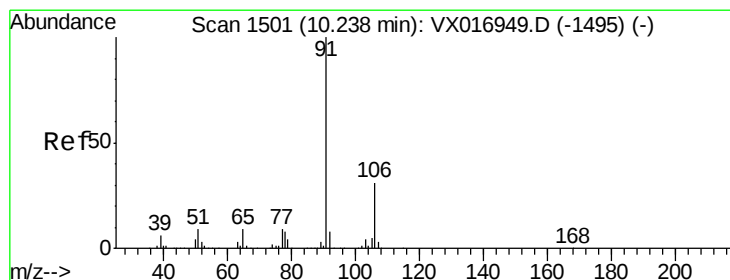
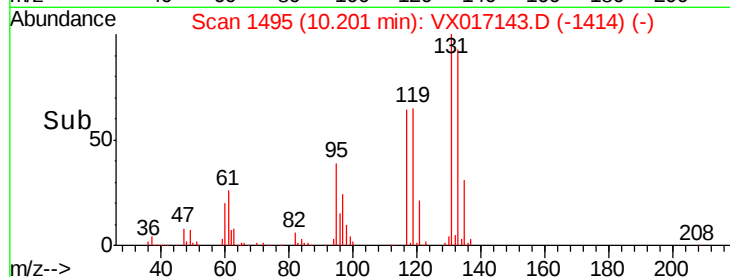
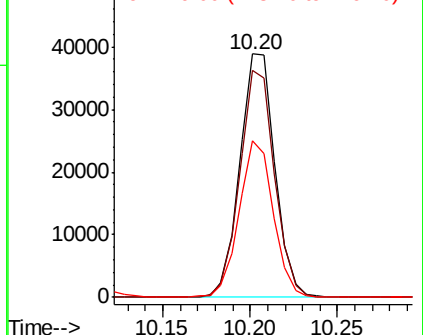
131 100

133 92.5 0.0 190.2

119 62.9 0.0 133.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.640 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017143.D

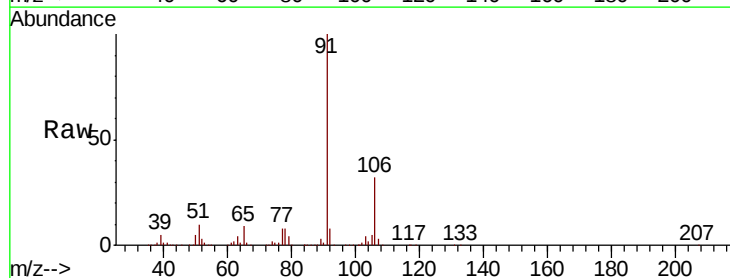
Acq: 02 Jul 2020 13:16

Tgt Ion: 91 Resp: 223182

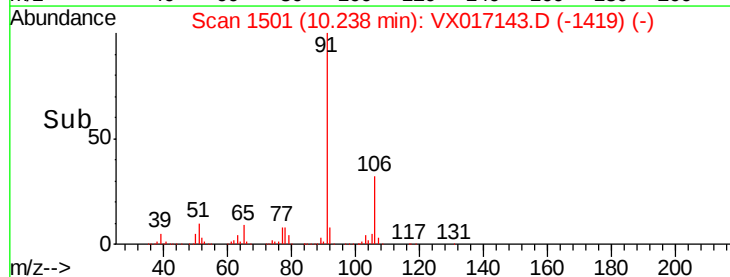
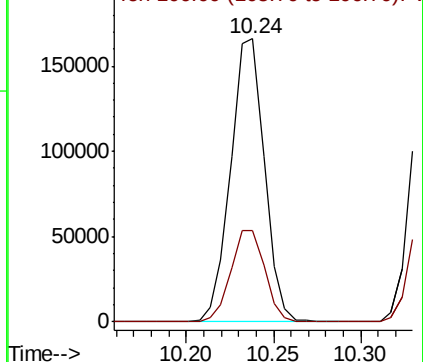
Ion Ratio Lower Upper

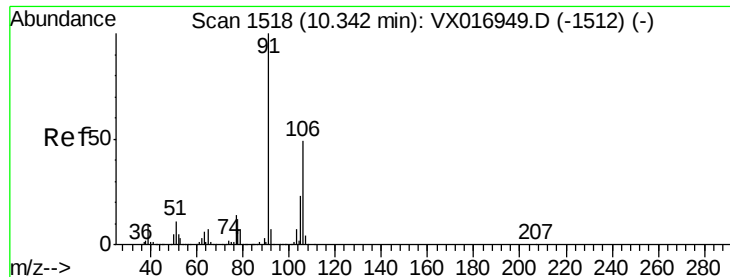
91 100

106 32.1 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 37.064 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

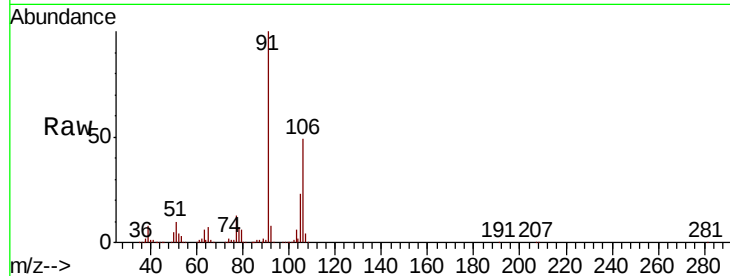
ClientSampleId :

Tot Ion:106 Resp: 176903

Ion Ratio Lower Upper

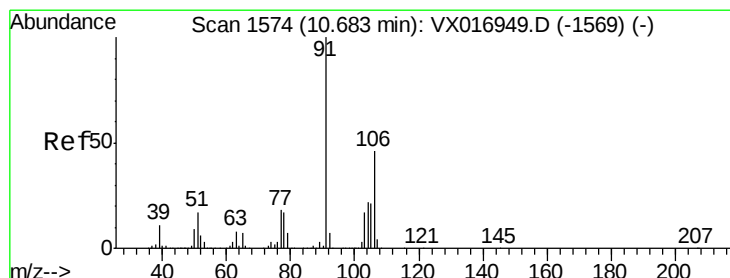
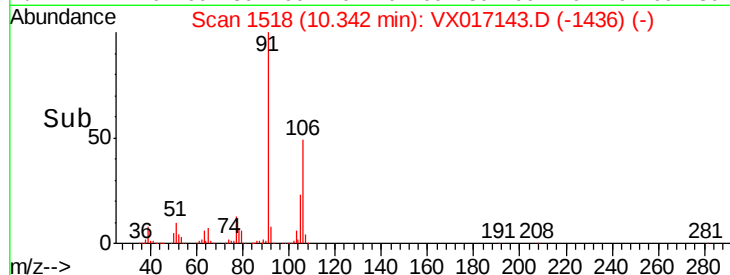
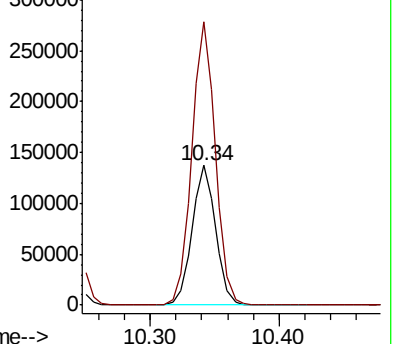
106 100

91 201.9 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 17.797 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017143.D

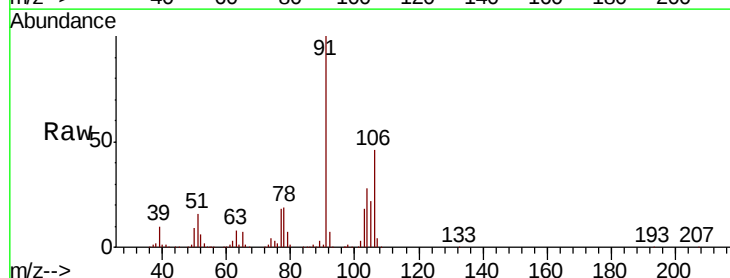
Acq: 02 Jul 2020 13:16

Tgt Ion:106 Resp: 81594

Ion Ratio Lower Upper

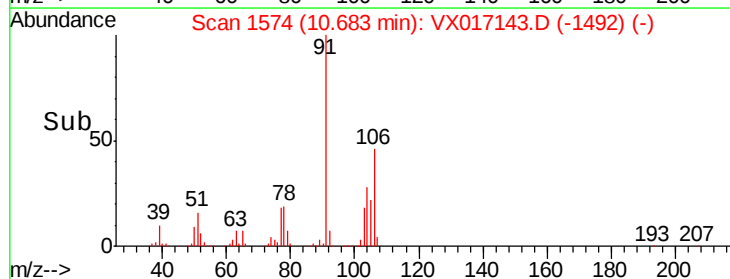
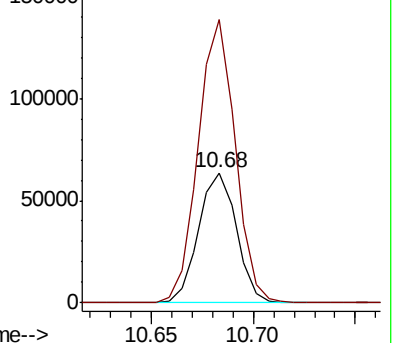
106 100

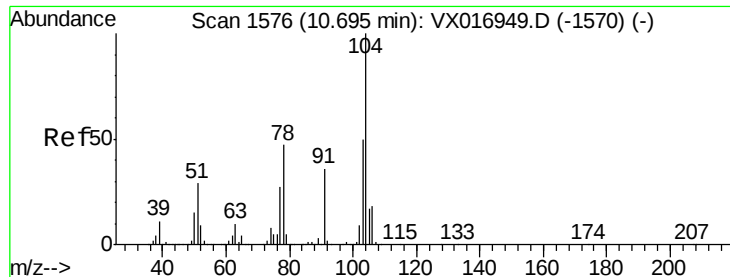
91 212.1 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 18.213 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

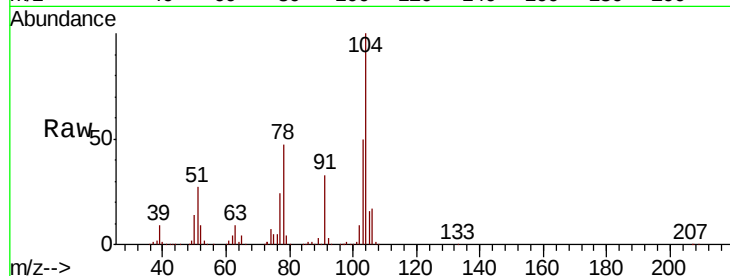
Tot Ion:104 Resp: 142978

Ion Ratio Lower Upper

104 100

78 51.6 42.6 64.0

103 53.9 44.1 66.1

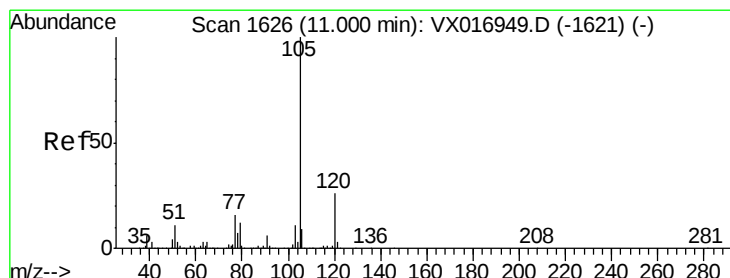
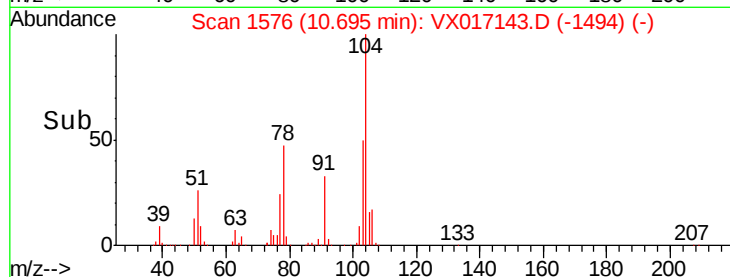
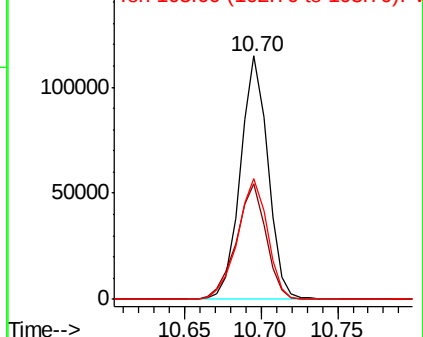


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.435 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017143.D

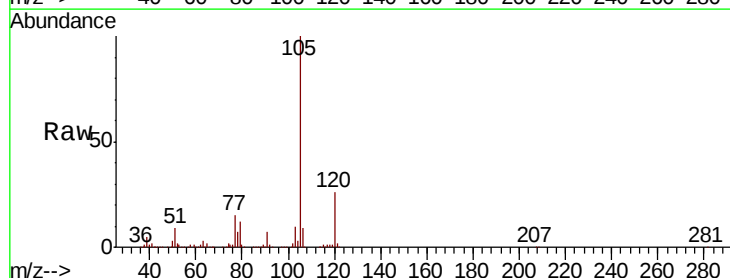
Acq: 02 Jul 2020 13:16

Tgt Ion:105 Resp: 229249

Ion Ratio Lower Upper

105 100

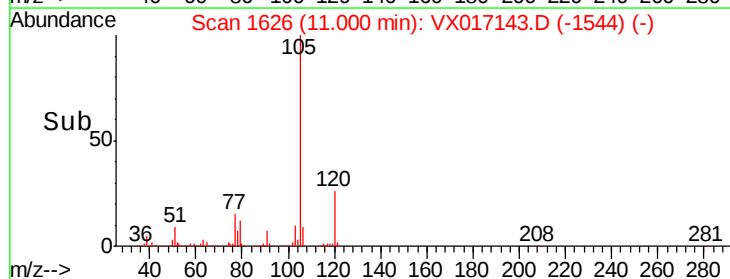
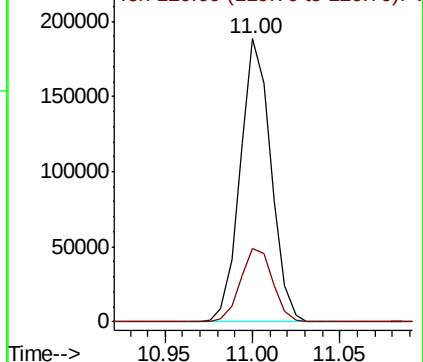
120 27.2 19.0 35.4

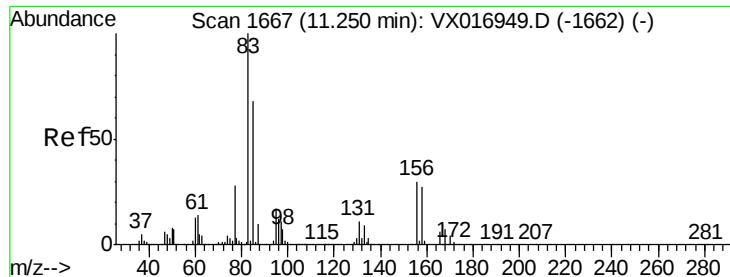


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 18.893 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

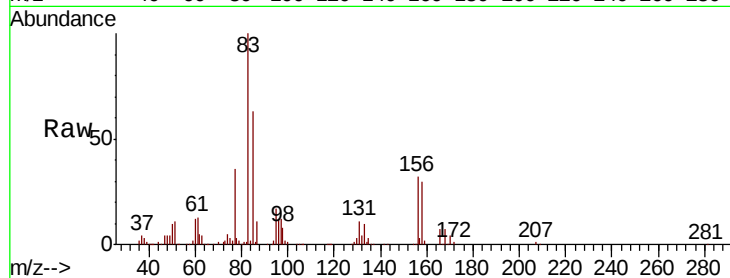
Tot Ion: 83 Resp: 72154

Ion Ratio Lower Upper

83 100

131 11.2 5.2 15.6

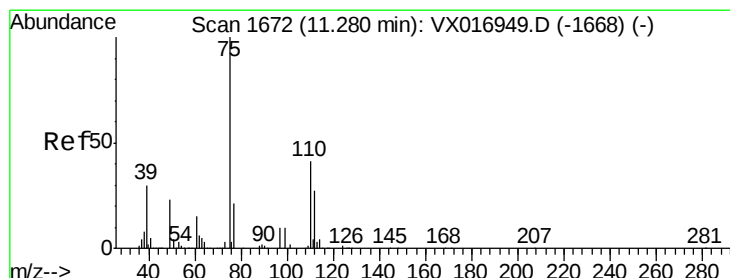
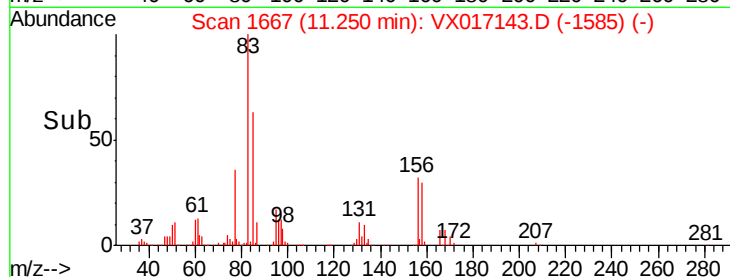
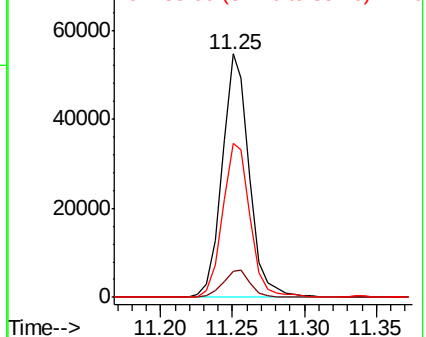
85 64.5 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 24.790 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017143.D

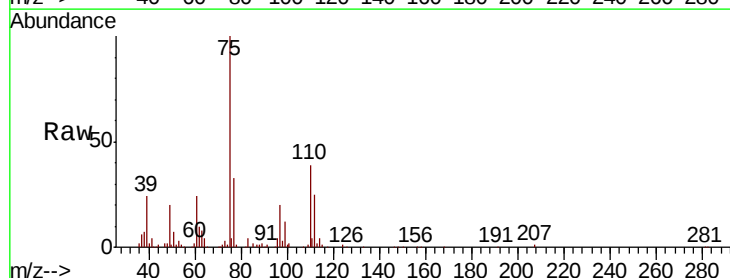
Acq: 02 Jul 2020 13:16

Tgt Ion: 75 Resp: 90917

Ion Ratio Lower Upper

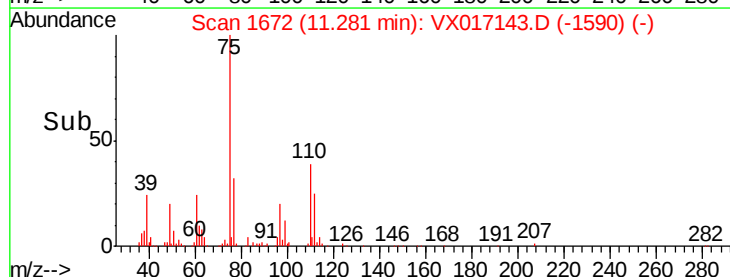
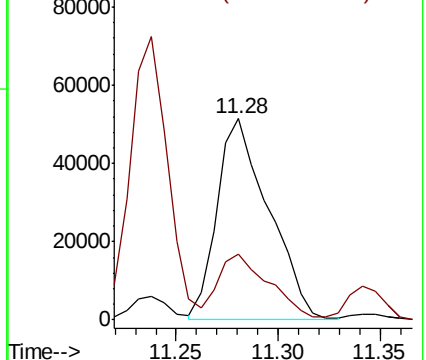
75 100

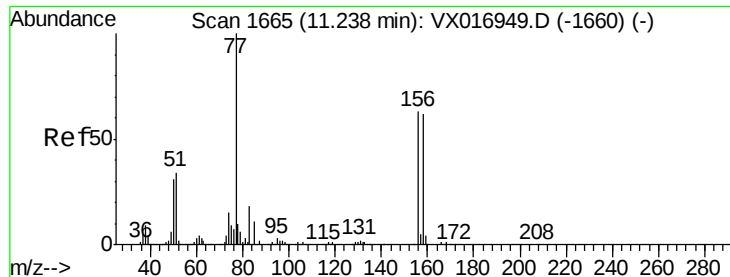
77 32.0 0.0 77.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.875 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

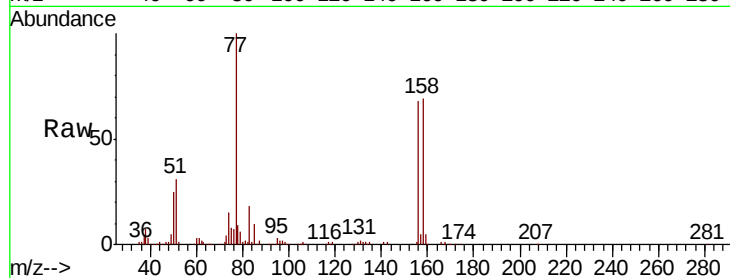
Tot Ion:156 Resp: 62374

Ion Ratio Lower Upper

156 100

77 149.1 0.0 317.2

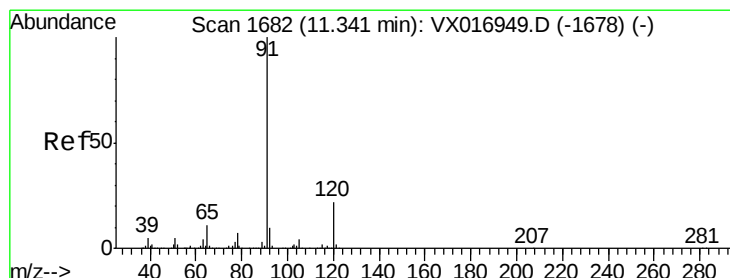
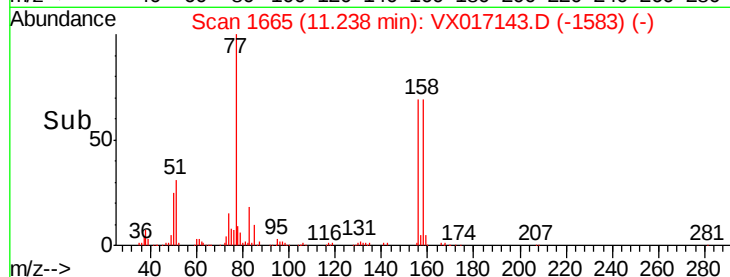
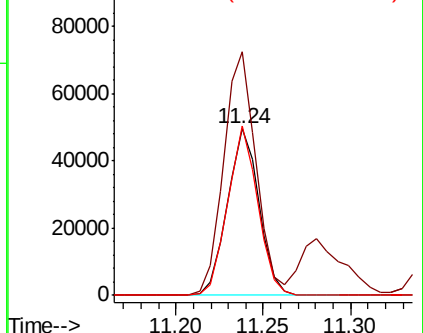
158 95.8 0.0 188.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.643 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017143.D

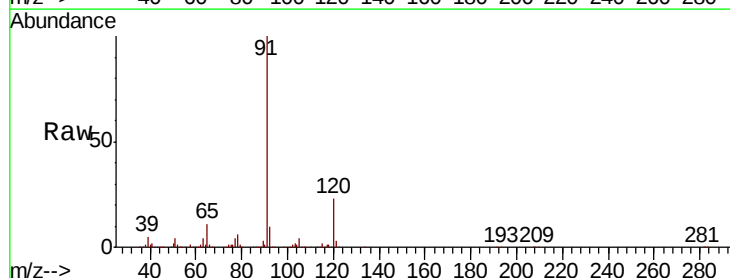
Acq: 02 Jul 2020 13:16

Tgt Ion: 91 Resp: 260493

Ion Ratio Lower Upper

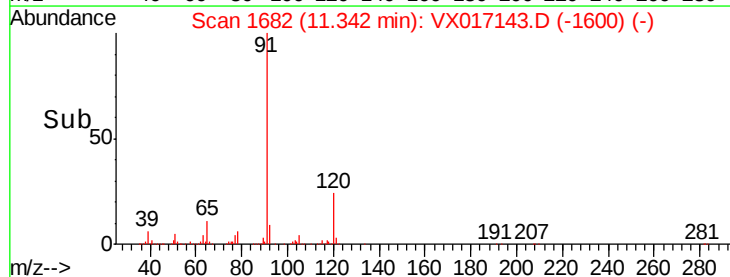
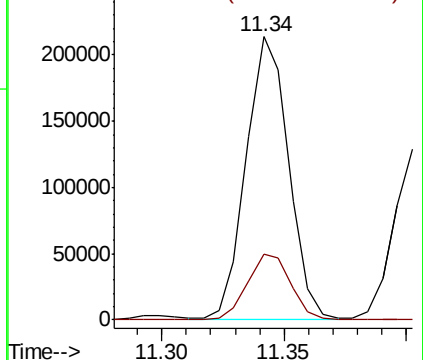
91 100

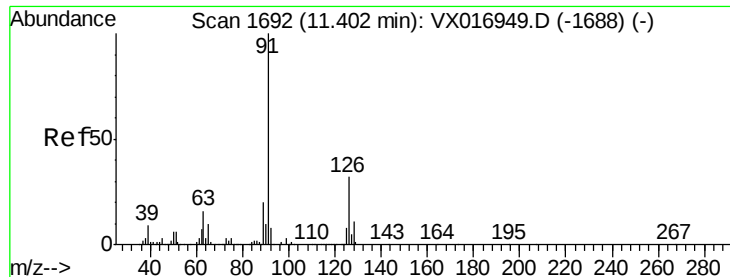
120 23.6 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.859 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

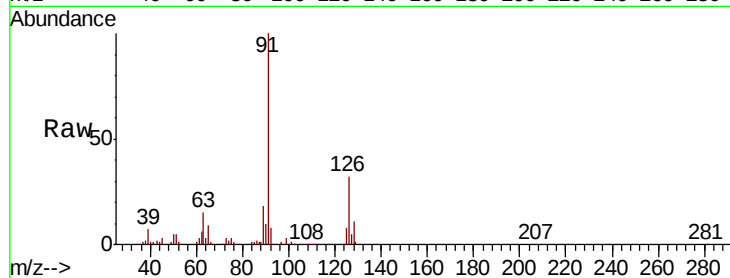
ClientSampleId :

Tot Ion: 91 Resp: 162376

Ion Ratio Lower Upper

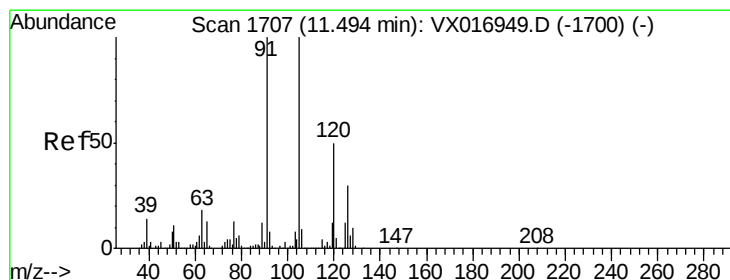
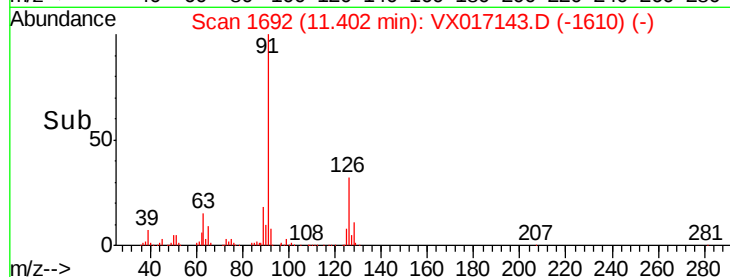
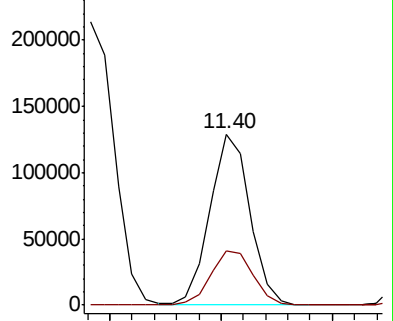
91 100

126 33.5 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX016949.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX016949.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.780 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017143.D

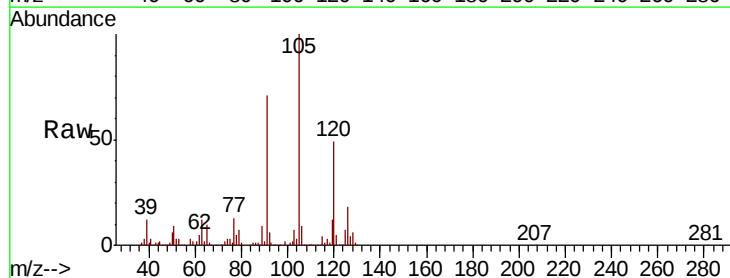
Acq: 02 Jul 2020 13:16

Tgt Ion: 105 Resp: 196023

Ion Ratio Lower Upper

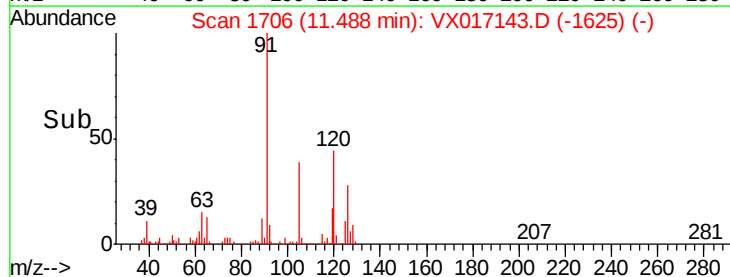
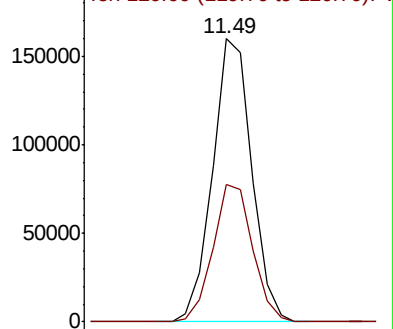
105 100

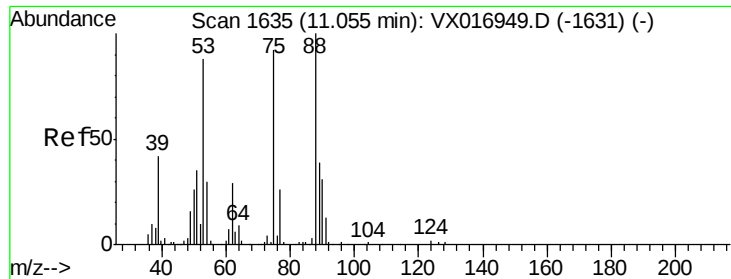
120 49.4 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX016949.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX016949.D (-1700) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.242 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

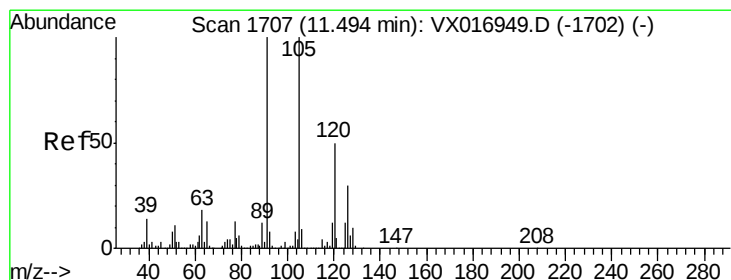
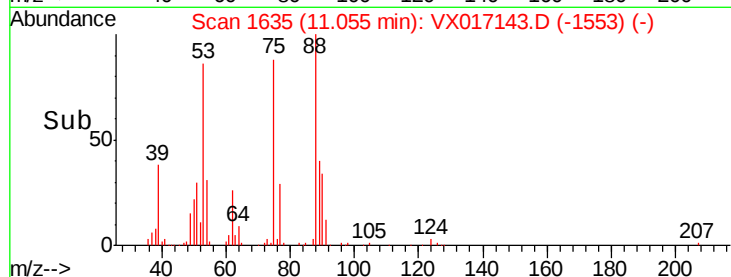
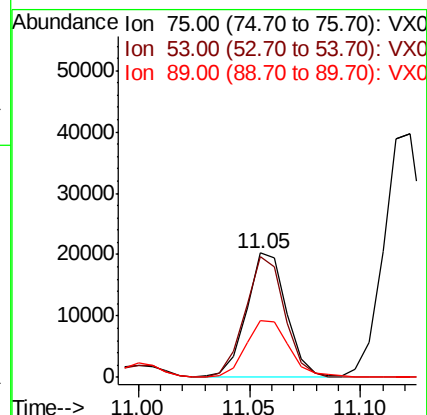
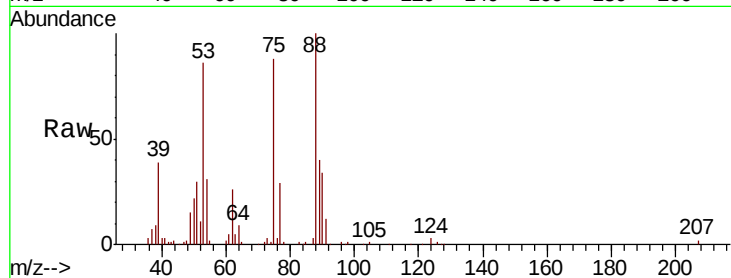
Tot Ion: 75 Resp: 25627

Ion Ratio Lower Upper

75 100

53 97.7 47.6 142.9

89 45.7 21.1 63.4



#78

4-Chlorotoluene

Concen: 18.537 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017143.D

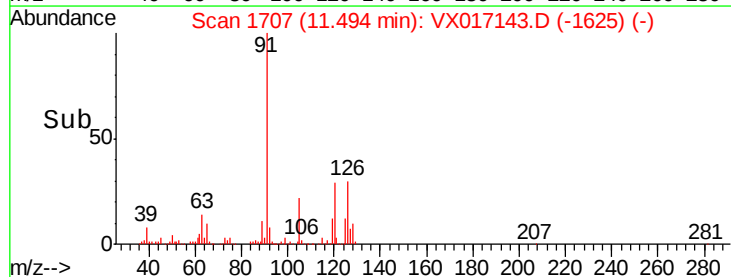
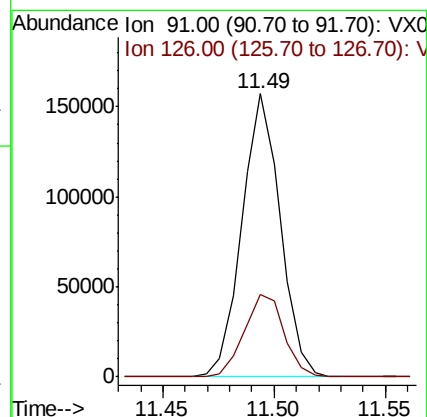
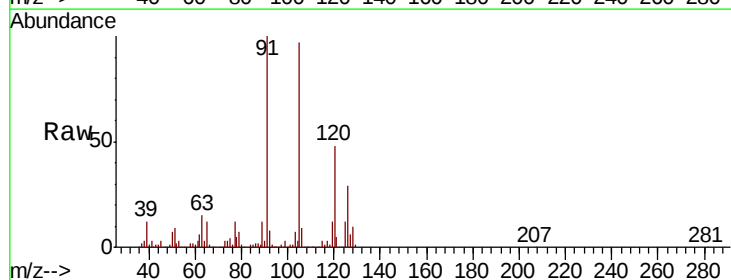
Acq: 02 Jul 2020 13:16

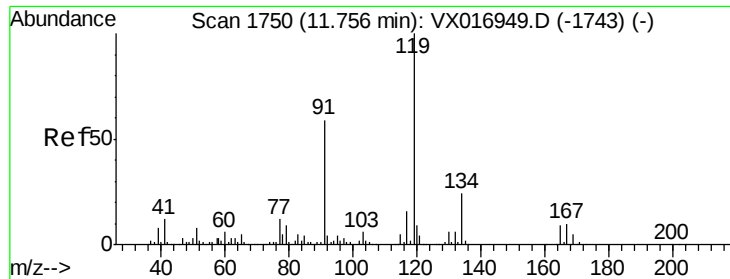
Tgt Ion: 91 Resp: 188975

Ion Ratio Lower Upper

91 100

126 29.7 0.0 60.6

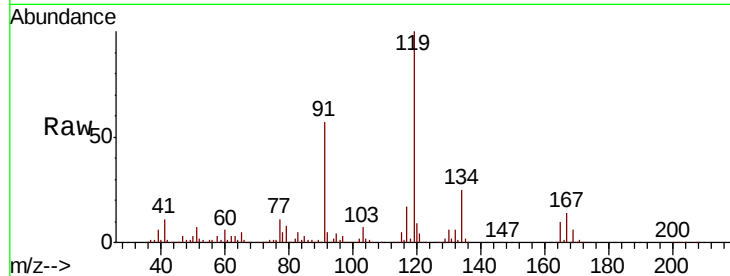




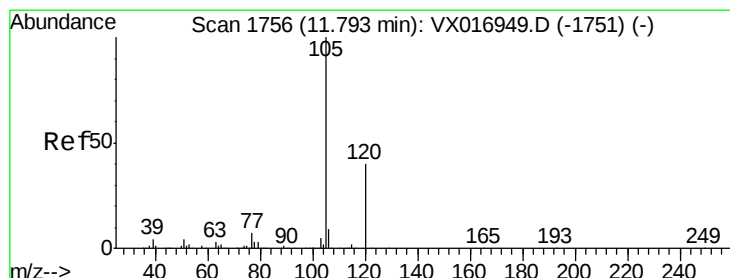
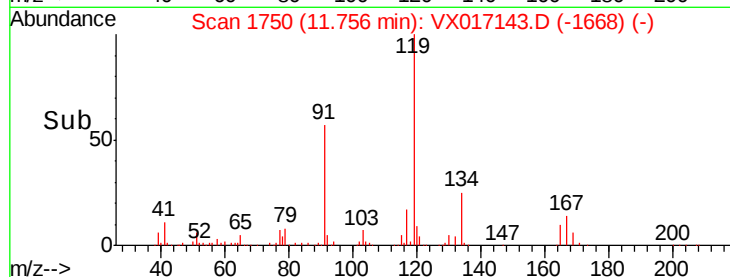
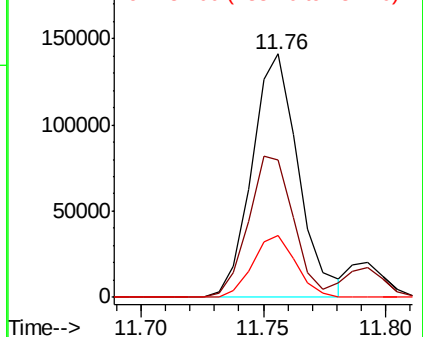
#79
tert-butylbenzene
Concen: 18.666 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 186641
Ion Ratio Lower Upper
119 100
91 56.6 0.0 115.2
134 23.9 0.0 45.8

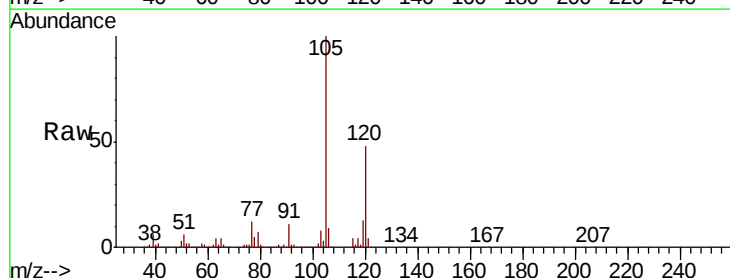


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

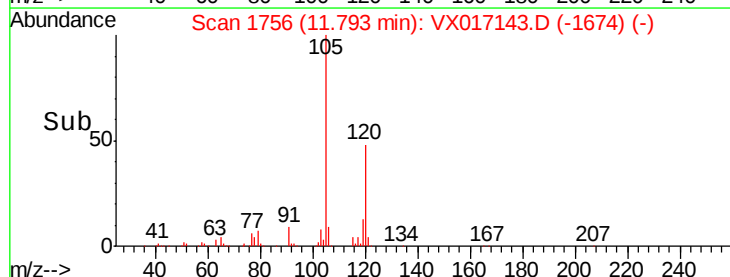
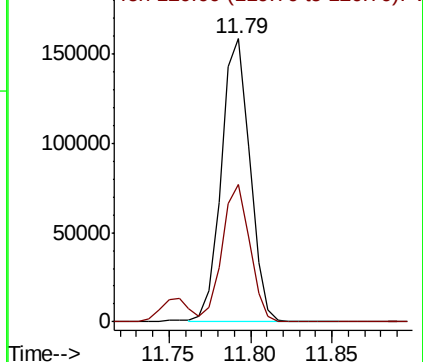


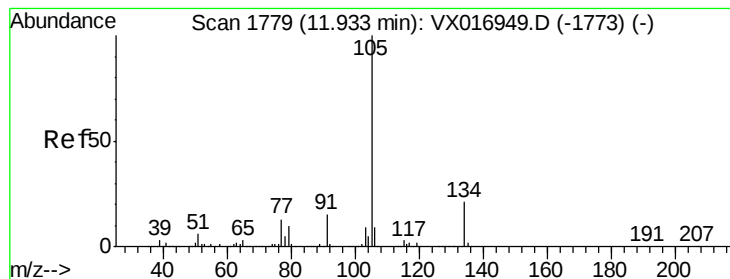
#80
1,2,4-Trimethylbenzene
Concen: 18.471 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion:105 Resp: 193557
Ion Ratio Lower Upper
105 100
120 47.0 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.016 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

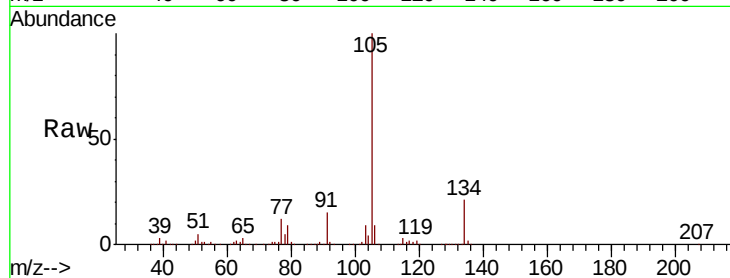
ClientSampleId :

Tot Ion:105 Resp: 218113

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

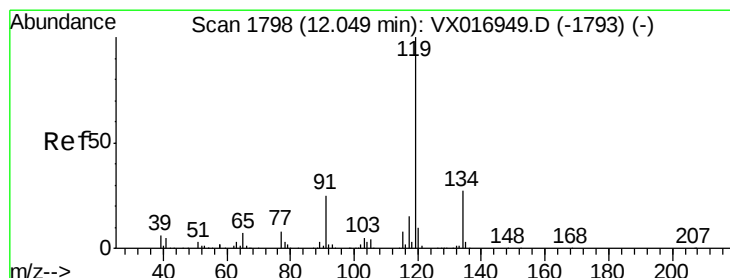
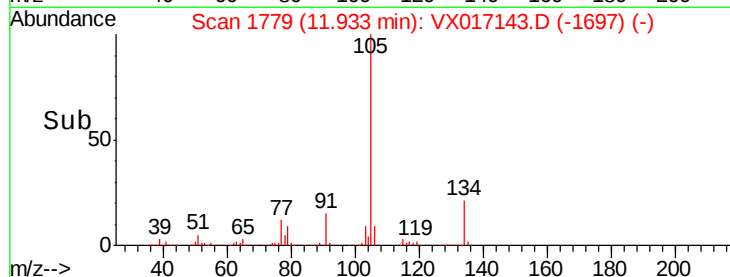
100000

50000

0

11.90 11.95

Time-->



#82

p-Isopropyltoluene

Concen: 18.818 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

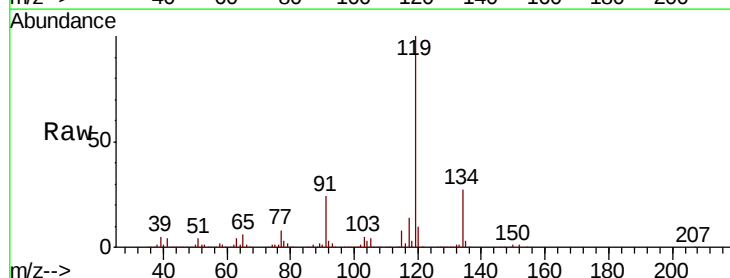
Tgt Ion:119 Resp: 205703

Ion Ratio Lower Upper

119 100

134 26.5 0.0 53.0

91 23.5 0.0 49.0



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

250000

200000

150000

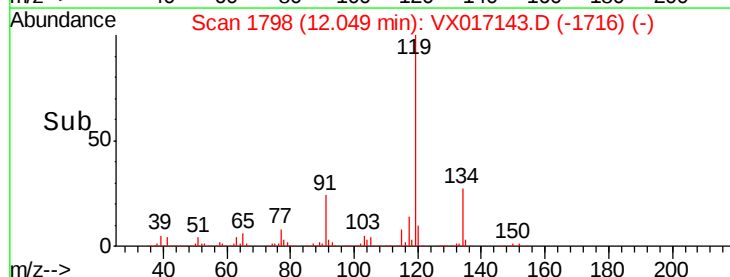
100000

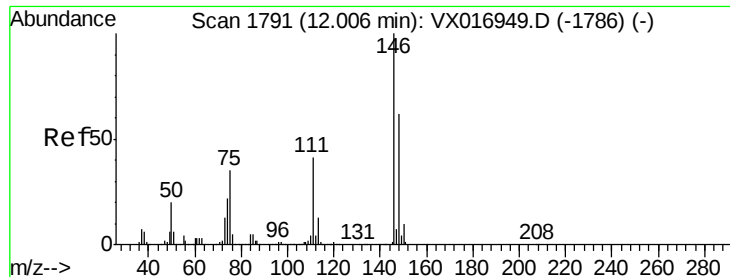
50000

0

12.00 12.05

Time-->

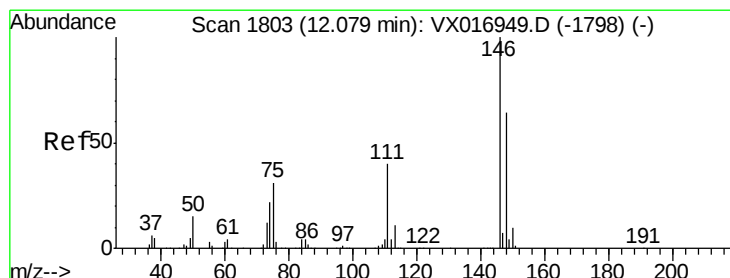
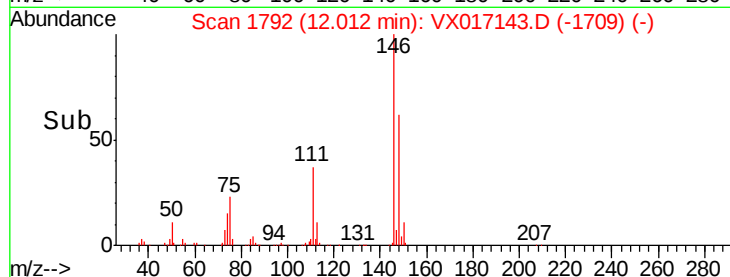
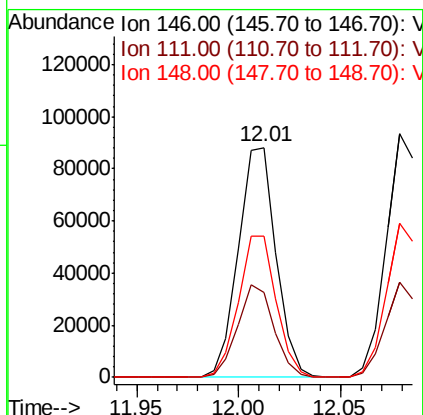
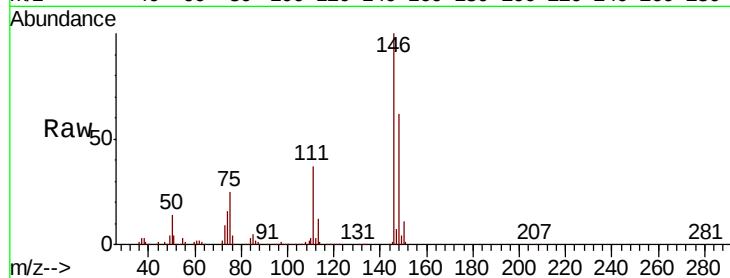




#83
 1,3-Dichlorobenzene
 Concen: 20.222 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

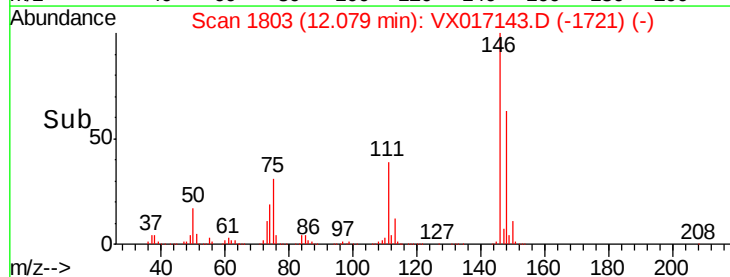
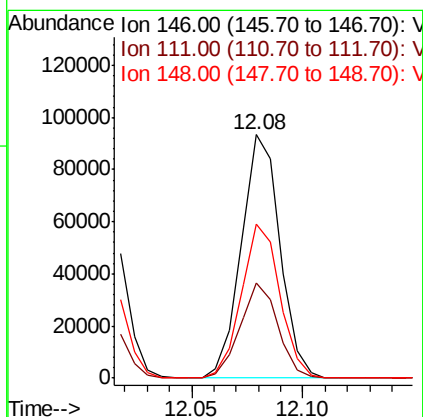
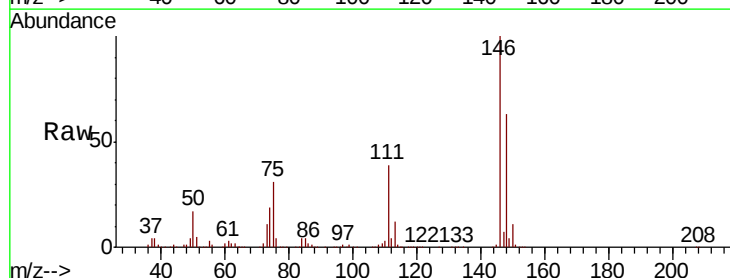
Instrument :
 MSVOA_X
 ClientSampleId :

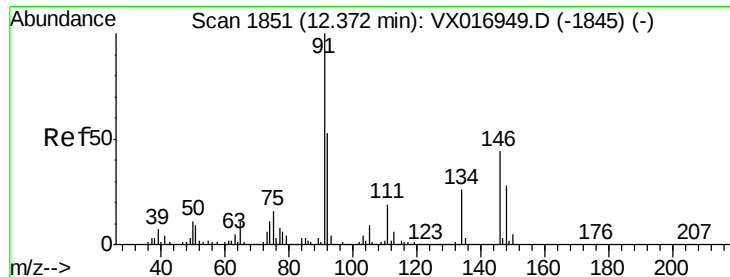
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	61.6	31.8	95.4



#84
 1,4-Dichlorobenzene
 Concen: 20.096 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	62.9	32.1	96.3

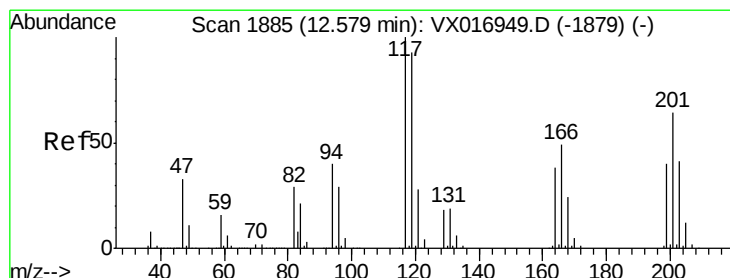
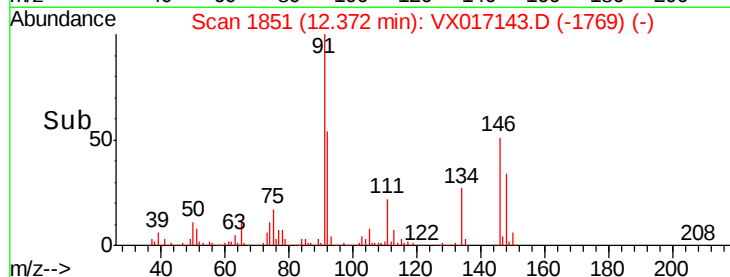
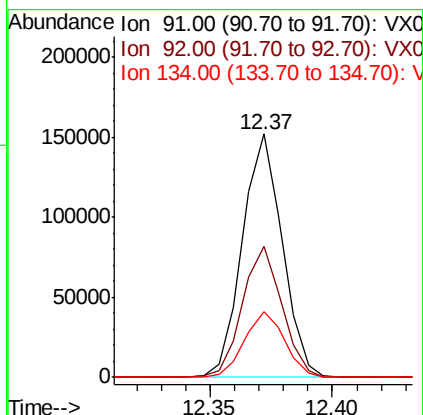
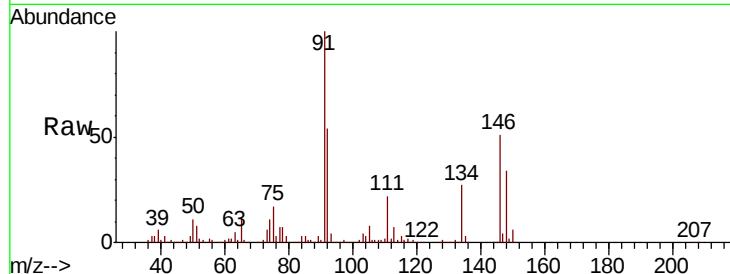




#85
n-Butylbenzene
Concen: 16.999 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

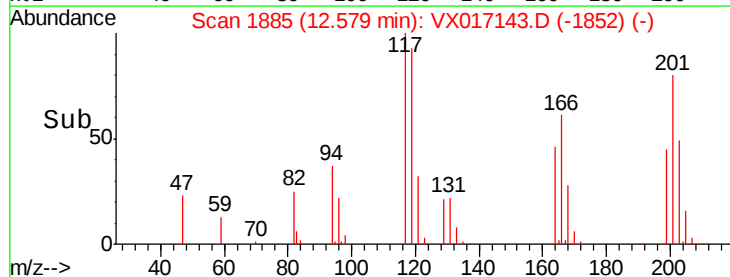
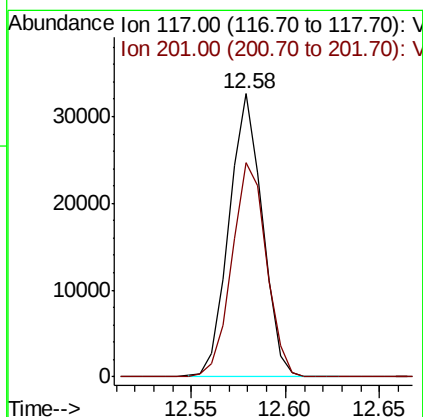
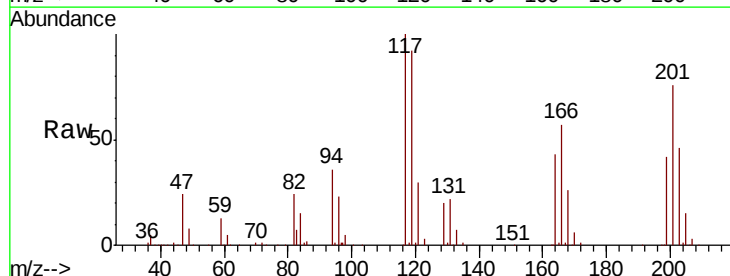
Instrument :
MSVOA_X
ClientSampled :

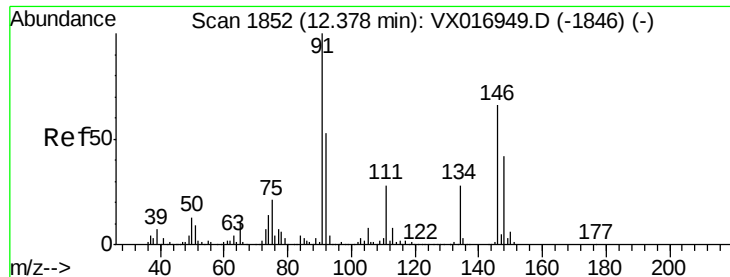
Tot Ion: 91 Resp: 171996
Ion Ratio Lower Upper
91 100
92 53.4 0.0 105.8
134 27.3 0.0 52.2



#86
Hexachloroethane
Concen: 18.654 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017143.D
Acq: 02 Jul 2020 13:16

Tgt Ion: 117 Resp: 39905
Ion Ratio Lower Upper
117 100
201 78.5 34.6 103.9





#87

1,2-Dichlorobenzene

Concen: 20.197 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampled :

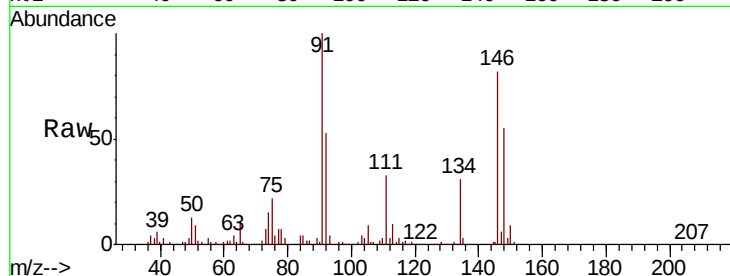
Tot Ion:146 Resp: 106318

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.1

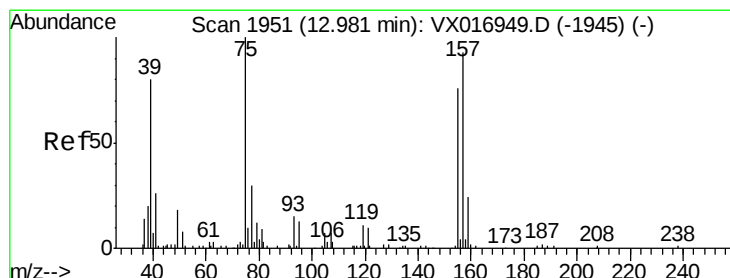
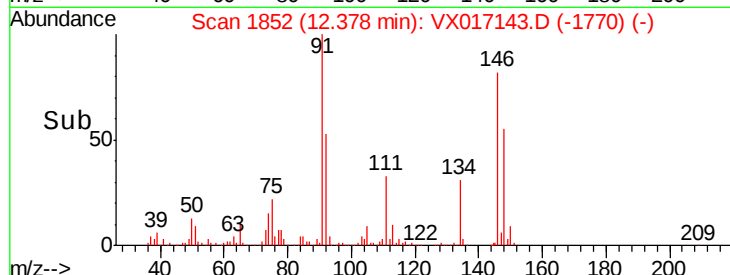
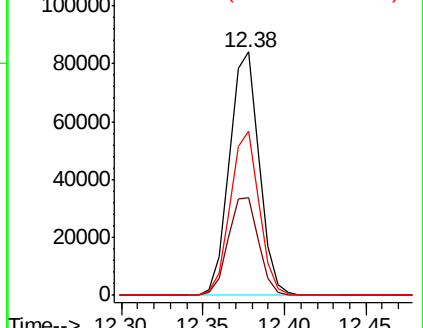
148 65.7 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.925 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

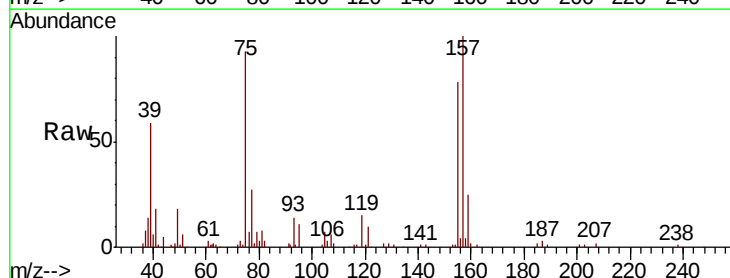
Tgt Ion: 75 Resp: 16444

Ion Ratio Lower Upper

75 100

155 87.3 65.0 97.6

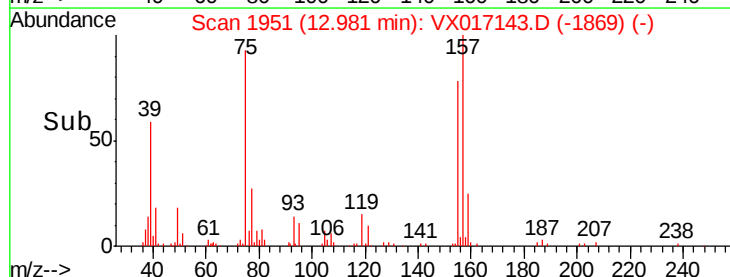
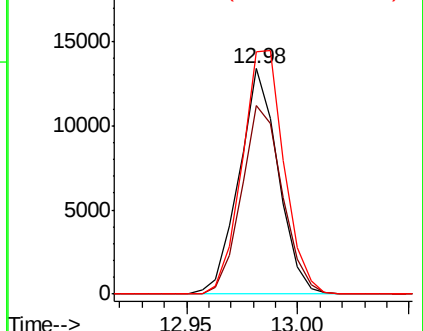
157 115.9 83.0 124.4

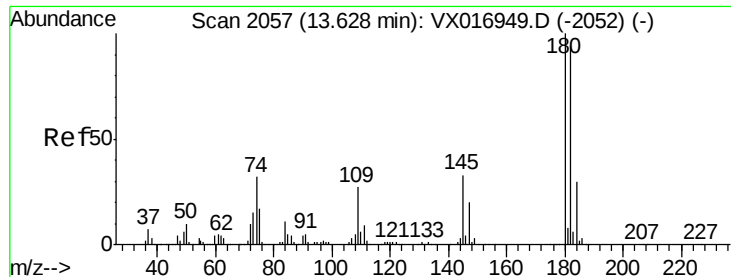


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

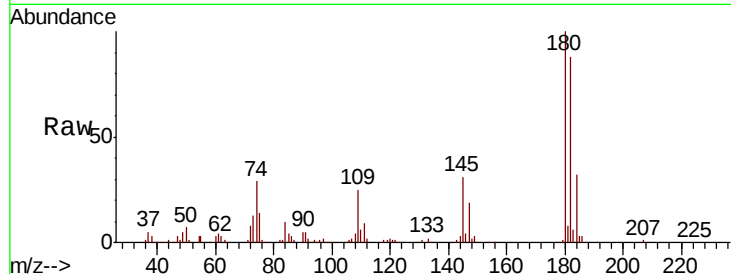




#89
 1,2,4-Trichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.7	116.5
145	30.6	26.2	39.2

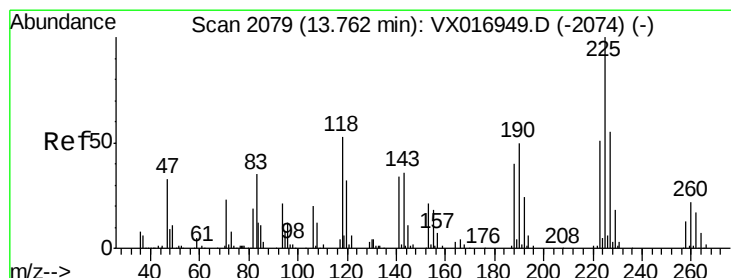
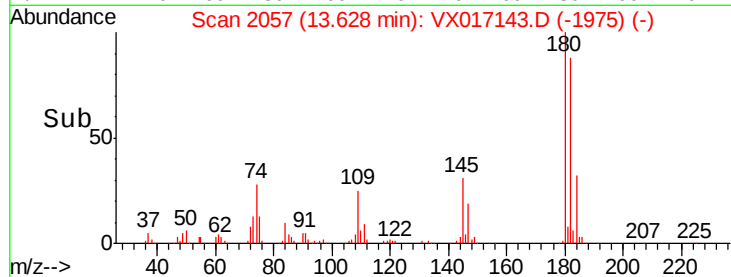
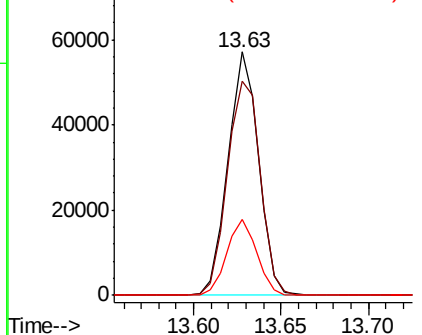


Abundance

Ion 180.00 (179.70 to 180.70): V

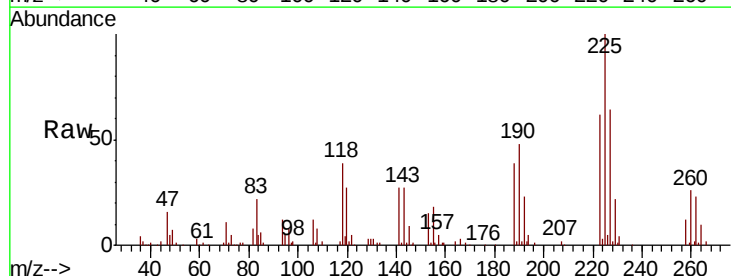
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 21.665 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017143.D
 Acq: 02 Jul 2020 13:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	125.0
227	63.8	0.0	124.0

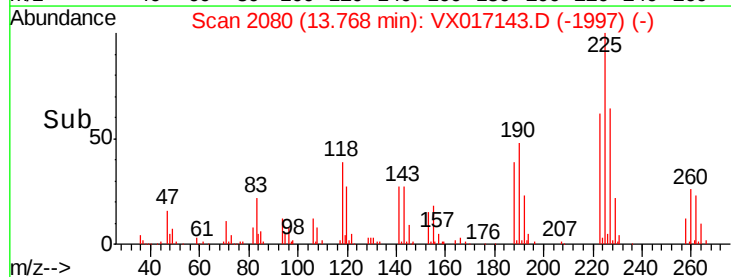
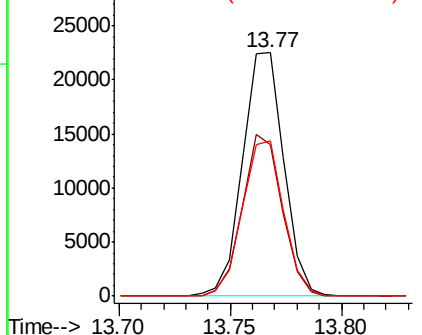


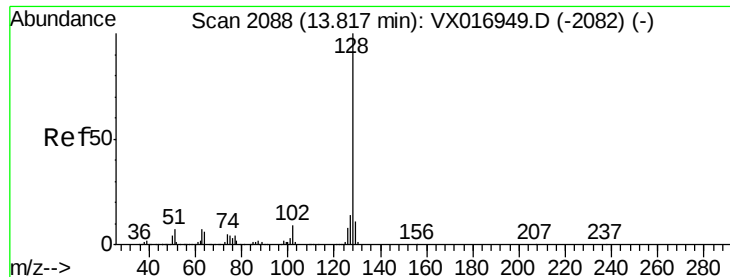
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.458 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

Instrument :

MSVOA_X

ClientSampleId :

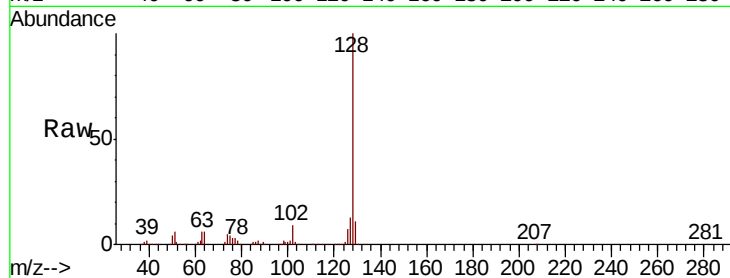
Tot Ion:128 Resp: 214871

Ion Ratio Lower Upper

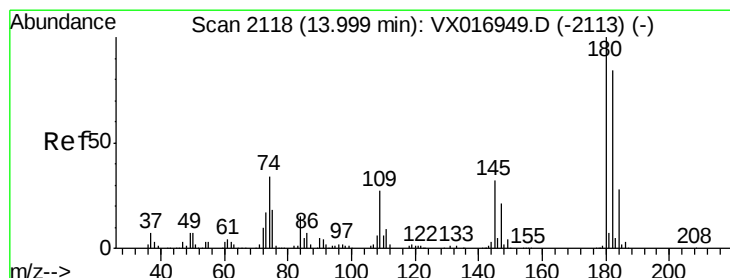
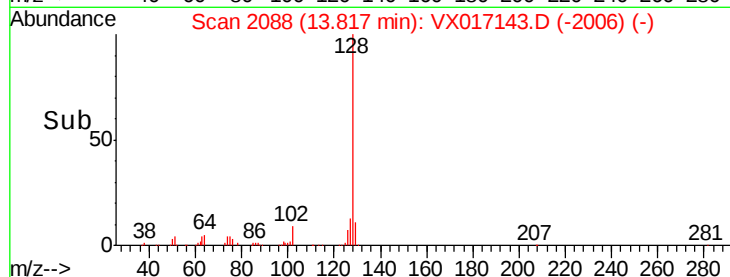
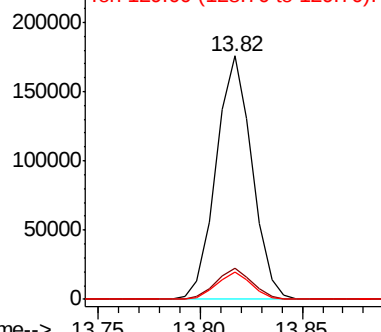
128 100

127 12.6 10.5 15.7

129 10.9 9.0 13.4



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



#92

1,2,3-Trichlorobenzene

Concen: 19.955 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017143.D

Acq: 02 Jul 2020 13:16

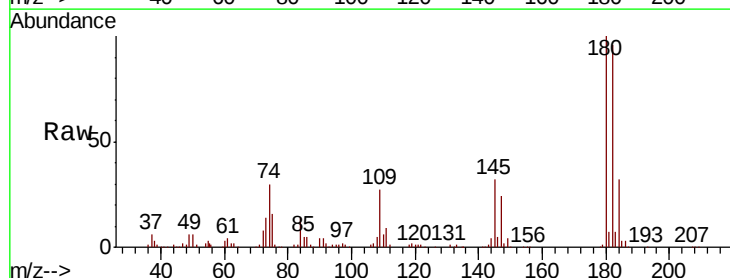
Tgt Ion:180 Resp: 69161

Ion Ratio Lower Upper

180 100

182 95.9 0.0 184.8

145 32.7 0.0 68.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

