

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071720\
 Data File : VX017413.D
 Acq On : 17 Jul 2020 12:23
 Operator : JC/SP
 Sample : VX0717WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 06:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	310883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	495789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	208676	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	5.46	113	171367	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.70	98	622788	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.12	95	233907	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	61178	23.256	ug/l	98
3) Chloromethane	1.31	50	66424	22.429	ug/l	98
4) Vinyl Chloride	1.39	62	66697	22.765	ug/l	100
5) Bromomethane	1.63	94	45492	23.852	ug/l	94
6) Chloroethane	1.72	64	40397	21.844	ug/l	97
7) Trichlorofluoromethane	1.92	101	106304	21.497	ug/l	96
8) Diethyl Ether	2.17	74	37450	21.425	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	63912	22.689	ug/l	96
10) Methyl Iodide	2.50	142	72430	20.854	ug/l	100
11) Tert butyl alcohol	3.01	59	68373	104.007	ug/l	99
12) 1,1-Dichloroethene	2.36	96	62633	22.139	ug/l	93
13) Acrolein	2.28	56	11062	30.697	ug/l	93
14) Allyl chloride	2.71	41	111006	22.644	ug/l	96
15) Acrylonitrile	3.12	53	183669	115.253	ug/l	99
16) Acetone	2.42	43	149438	107.354	ug/l	97
17) Carbon Disulfide	2.55	76	183758	22.265	ug/l	100
18) Methyl Acetate	2.75	43	81512	23.708	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	211078	21.973	ug/l	100
20) Methylene Chloride	2.84	84	79770	23.487	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	71026	21.943	ug/l	94
22) Diisopropyl ether	3.82	45	230615	24.696	ug/l	98
23) Vinyl Acetate	3.79	43	975614	118.797	ug/l	99
24) 1,1-Dichloroethane	3.67	63	127266	23.190	ug/l	99
25) 2-Butanone	4.64	43	245140	110.877	ug/l	97
26) 2,2-Dichloropropane	4.55	77	111785	21.887	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	75638	21.309	ug/l	96
28) Bromochloromethane	4.98	49	64167	25.311	ug/l	92
29) Tetrahydrofuran	5.09	42	164900	115.220	ug/l	96
30) Chloroform	5.18	83	132119	22.376	ug/l	98
31) Cyclohexane	5.55	56	101283	22.544	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	118567	21.722	ug/l	98
36) 1,1-Dichloropropene	5.77	75	94850	20.799	ug/l	99
37) Ethyl Acetate	4.79	43	100038	21.212	ug/l	98
38) Carbon Tetrachloride	5.75	117	106409	19.929	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 06:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	97235	19.634	ug/l	92
40) Benzene	6.11	78	277641	21.184	ug/l	99
41) Methacrylonitrile	5.01	41	54095	21.366	ug/l	98
42) 1,2-Dichloroethane	6.16	62	104716	20.565	ug/l	99
43) Isopropyl Acetate	6.42	43	155645	20.653	ug/l	99
44) Trichloroethene	7.19	130	81046	20.245	ug/l	96
45) 1,2-Dichloropropane	7.49	63	75144	22.408	ug/l	96
46) Dibromomethane	7.63	93	51554	21.316	ug/l	95
47) Bromodichloromethane	7.88	83	106693	21.101	ug/l	97
48) Methyl methacrylate	7.74	41	77391	21.400	ug/l	97
49) 1,4-Dioxane	7.71	88	28039	378.877	ug/l	93
51) 4-Methyl-2-Pentanone	8.62	43	500574	108.937	ug/l	98
52) Toluene	8.77	92	179813	21.380	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	108391	19.898	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	119846	20.628	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	74755	21.316	ug/l	98
56) Ethyl methacrylate	9.16	69	99634	20.011	ug/l	99
57) 1,3-Dichloropropane	9.35	76	122085	20.927	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	270793	107.112	ug/l	97
59) 2-Hexanone	9.47	43	373733	107.761	ug/l	98
60) Dibromochloromethane	9.57	129	84340	19.685	ug/l	100
61) 1,2-Dibromoethane	9.65	107	78717	20.633	ug/l	99
64) Tetrachloroethene	9.32	164	74667	18.327	ug/l	96
65) Chlorobenzene	10.12	112	191732	20.044	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	74939	19.677	ug/l	97
67) Ethyl Benzene	10.24	91	325512	20.441	ug/l	98
68) m/p-Xylenes	10.34	106	255870	42.230	ug/l	96
69) o-Xylene	10.68	106	115396	19.932	ug/l	99
70) Styrene	10.70	104	207854	20.915	ug/l	99
71) Bromoform	10.84	173	61580	19.162	ug/l #	99
73) Isopropylbenzene	11.00	105	321178	20.471	ug/l	100
74) N-amyl acetate	10.88	43	132164	21.051	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	107015	22.465	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	127190	27.502	ug/l	88
77) Bromobenzene	11.24	156	89733	20.081	ug/l	97
78) n-propylbenzene	11.34	91	370340	21.018	ug/l	99
79) 2-Chlorotoluene	11.40	91	223990	20.628	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	274820	20.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	36620	20.087	ug/l	96
82) 4-Chlorotoluene	11.49	91	269666	20.955	ug/l	99
83) tert-Butylbenzene	11.76	119	259932	20.190	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	279045	20.739	ug/l	99
85) sec-Butylbenzene	11.93	105	305049	20.239	ug/l	99
86) p-Isopropyltoluene	12.05	119	289489	20.298	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	157742	19.733	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	160240	19.841	ug/l	98
89) n-Butylbenzene	12.37	91	244323	20.087	ug/l	98
90) Hexachloroethane	12.58	117	55545	20.515	ug/l	90
91) 1,2-Dichlorobenzene	12.37	146	151637	20.186	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	23791	18.927	ug/l	90

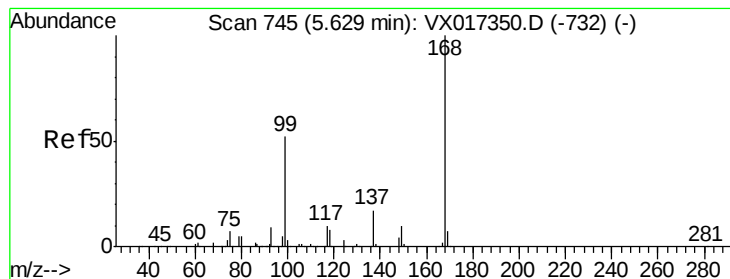
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071720\
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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	95196	18.255	ug/l	99
94) Hexachlorobutadiene	13.76	225	40243	18.924	ug/l	99
95) Naphthalene	13.82	128	291333	19.001	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	94814	18.823	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

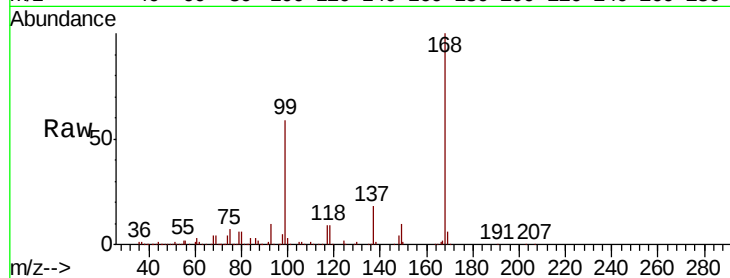
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 310883

Ion Ratio Lower Upper

168 100

99 58.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

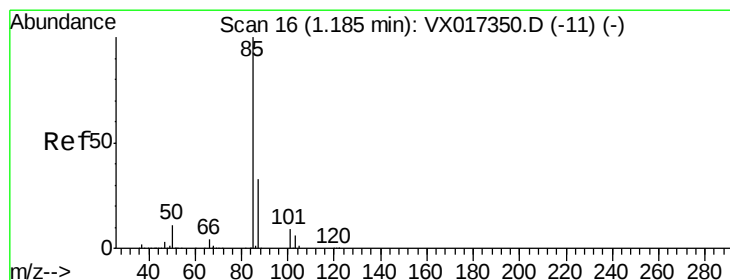
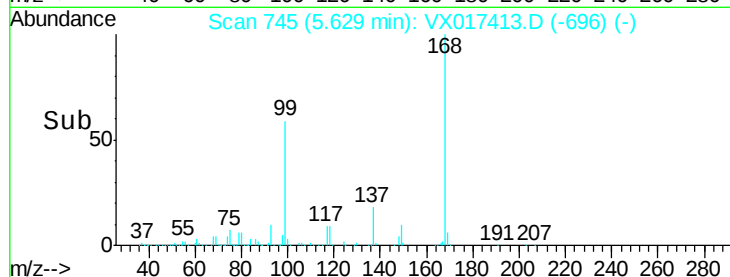
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.256 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017413.D

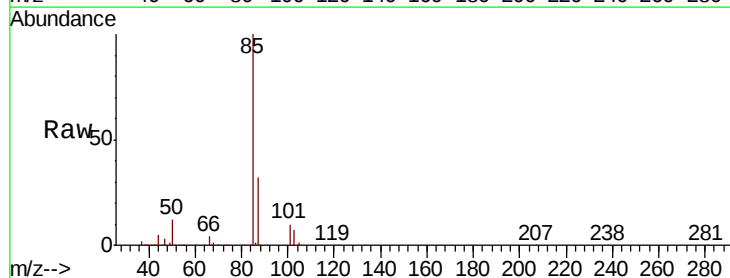
Acq: 17 Jul 2020 12:23

Tgt Ion: 85 Resp: 61178

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

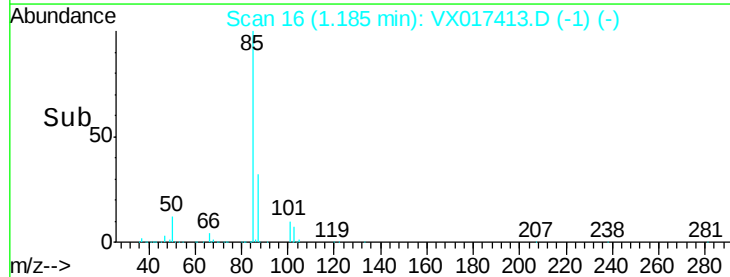
60000

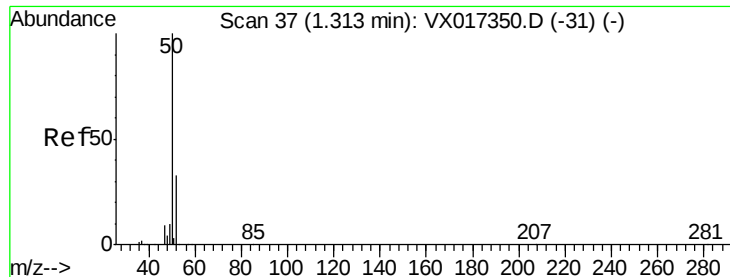
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20000

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Time-->

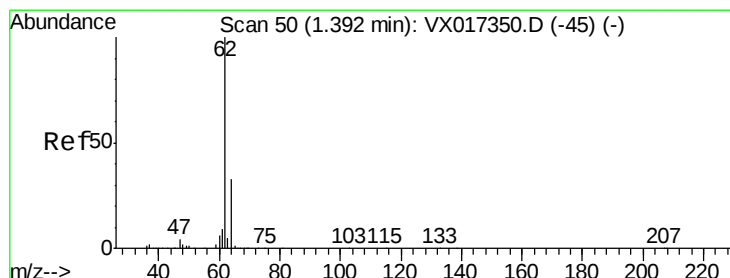
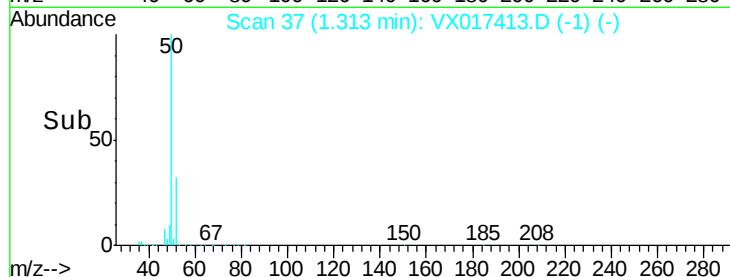
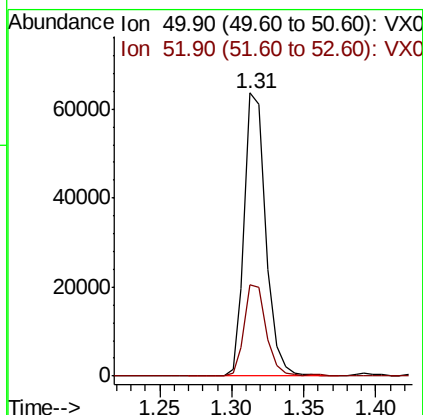
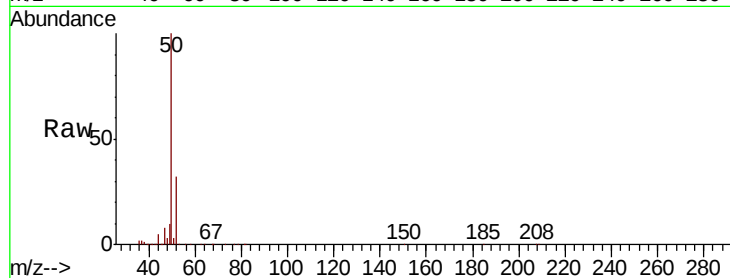




#3
Chloromethane
Concen: 22.429 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

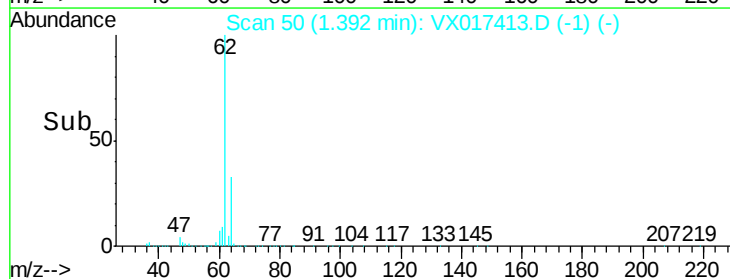
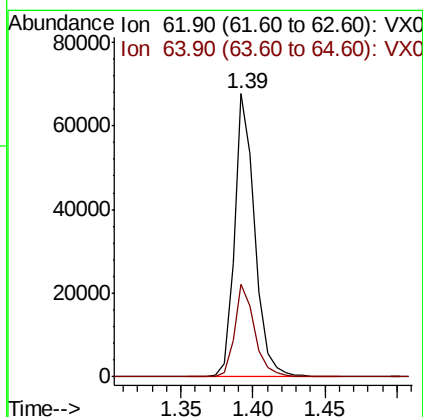
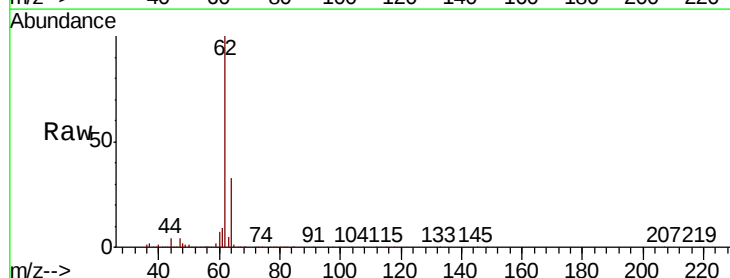
Instrument :
MSVOA_X
ClientSampleId :

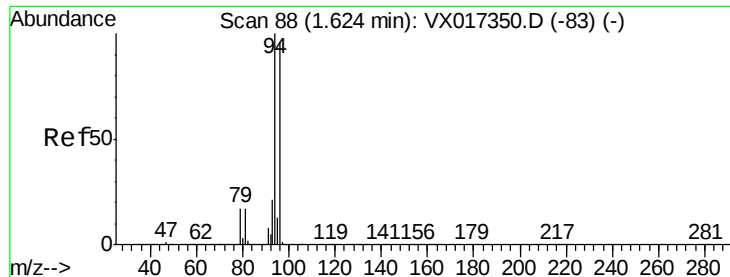
Tot Ion: 50 Resp: 66424
Ion Ratio Lower Upper
50 100
52 32.1 26.7 40.1



#4
Vinyl Chloride
Concen: 22.765 ug/l
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 62 Resp: 66697
Ion Ratio Lower Upper
62 100
64 32.7 26.3 39.5





#5

Bromomethane

Concen: 23.852 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

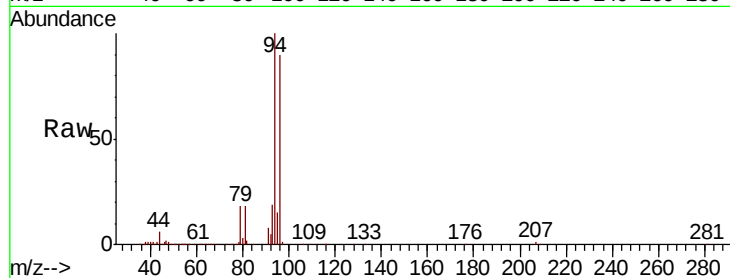
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 45492

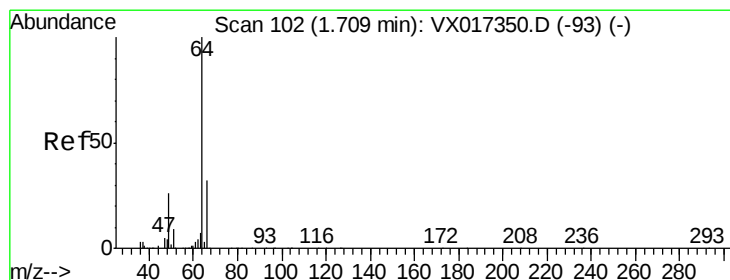
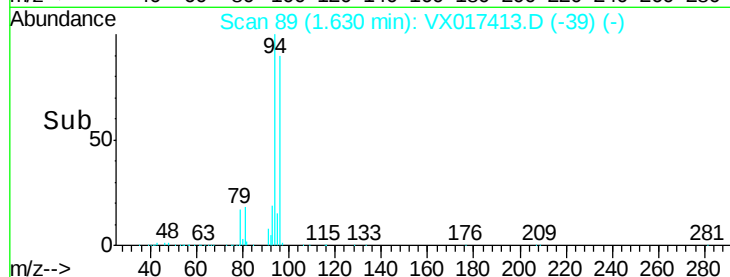
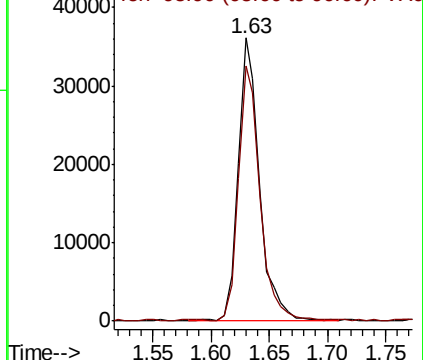
Ion Ratio Lower Upper

94 100

96 89.9 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.844 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017413.D

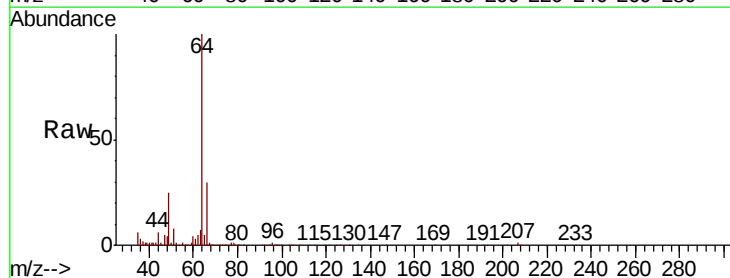
Acq: 17 Jul 2020 12:23

Tgt Ion: 64 Resp: 40397

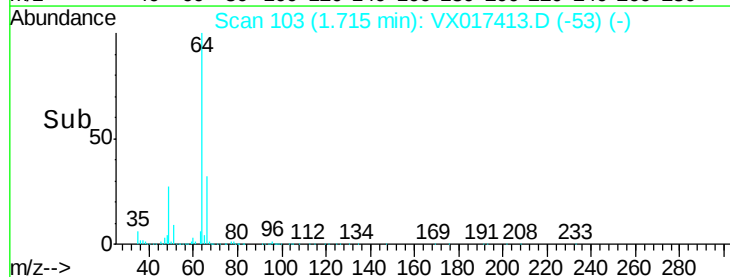
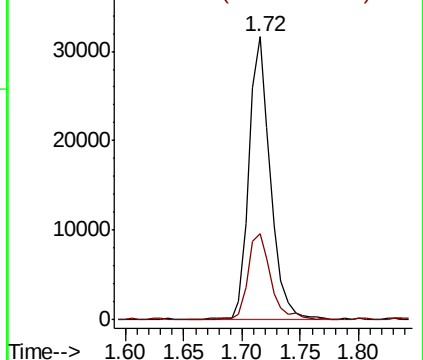
Ion Ratio Lower Upper

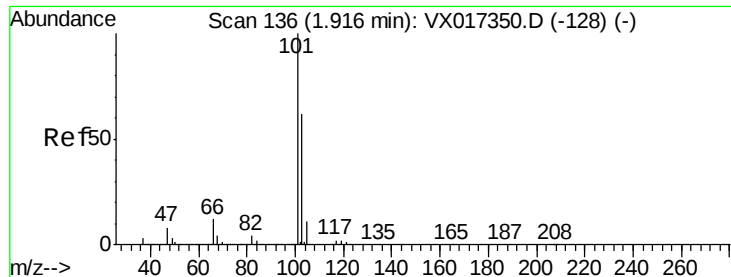
64 100

66 30.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



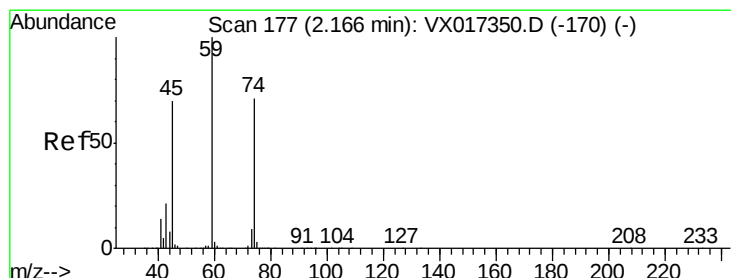
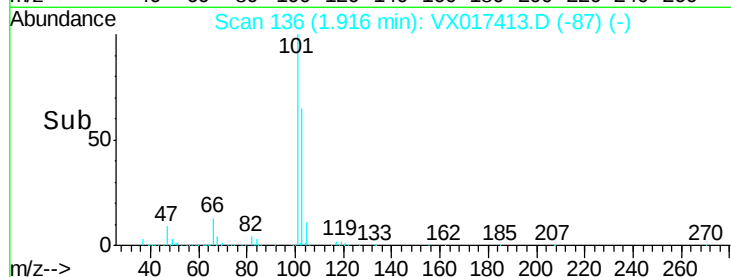
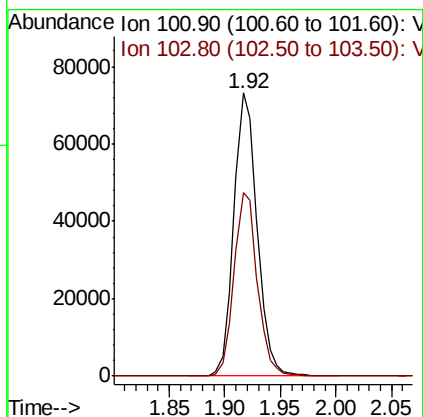
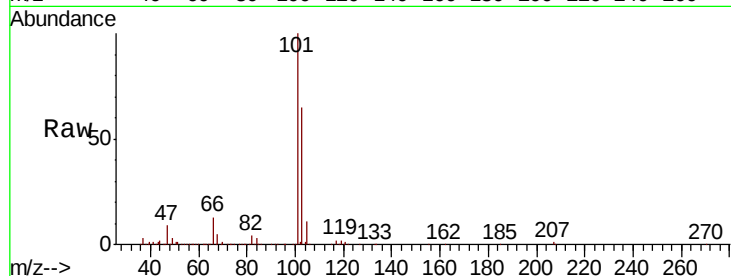


#7

Trichlorofluoromethane
Concen: 21.497 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampled :

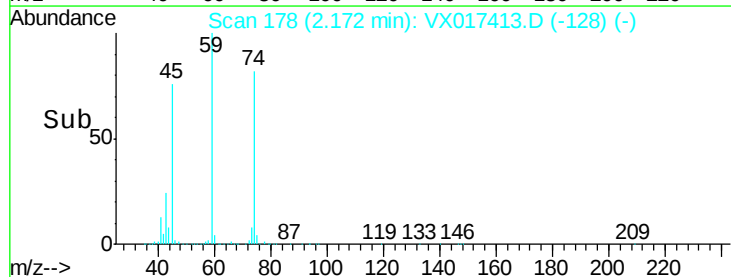
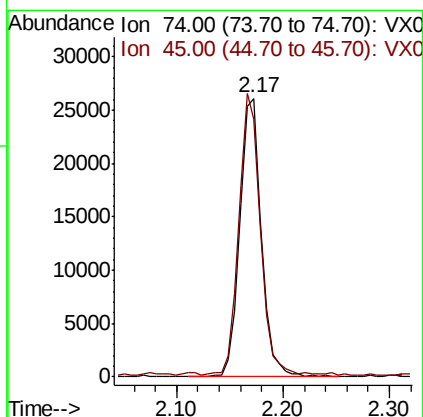
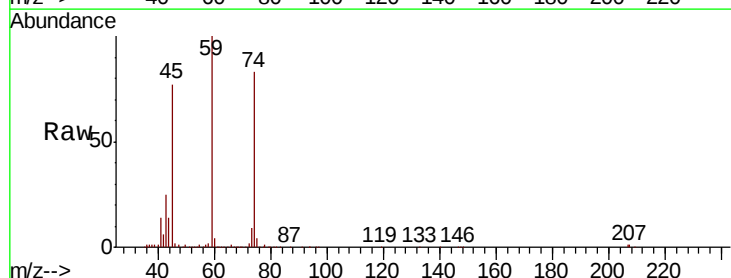
Tot Ion:101 Resp: 106304
Ion Ratio Lower Upper
101 100
103 64.9 49.6 74.4

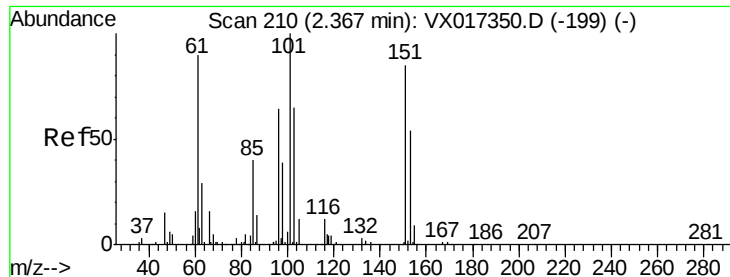


#8

Diethyl Ether
Concen: 21.425 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 74 Resp: 37450
Ion Ratio Lower Upper
74 100
45 100.7 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.689 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

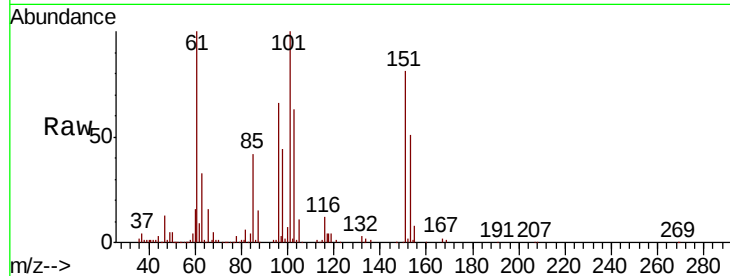
Tot Ion:101 Resp: 63912

Ion Ratio Lower Upper

101 100

85 45.1 33.7 50.5

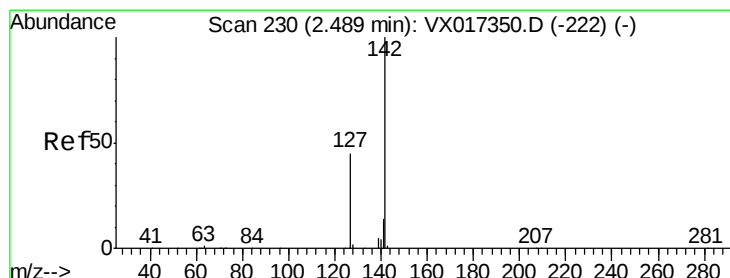
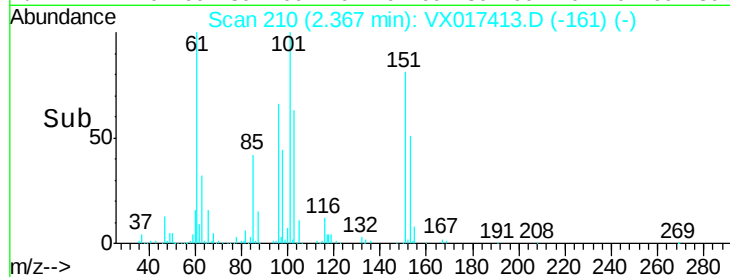
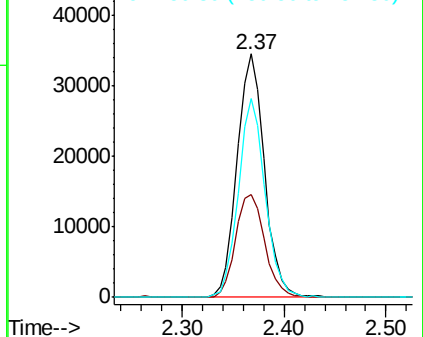
151 80.1 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.854 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

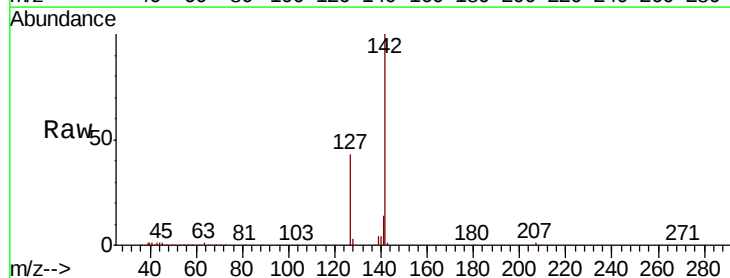
Tgt Ion:142 Resp: 72430

Ion Ratio Lower Upper

142 100

127 46.0 36.8 55.2

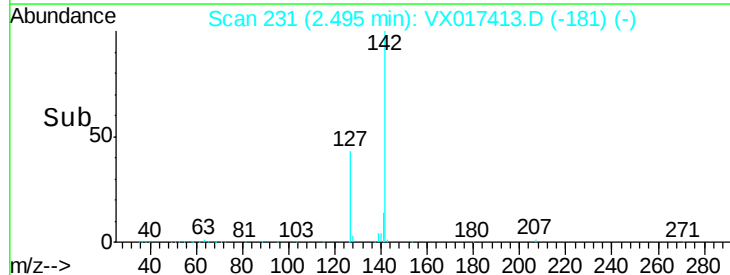
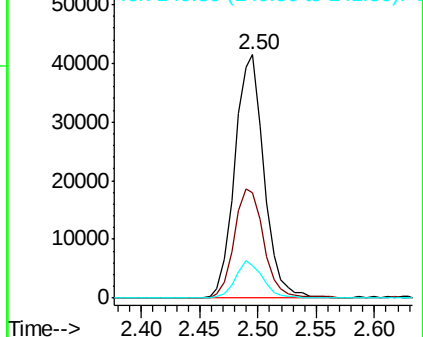
141 14.7 11.4 17.0

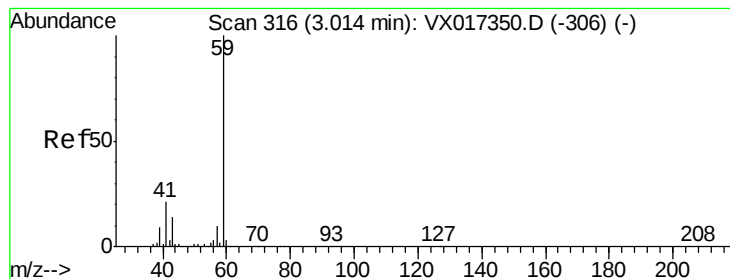


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



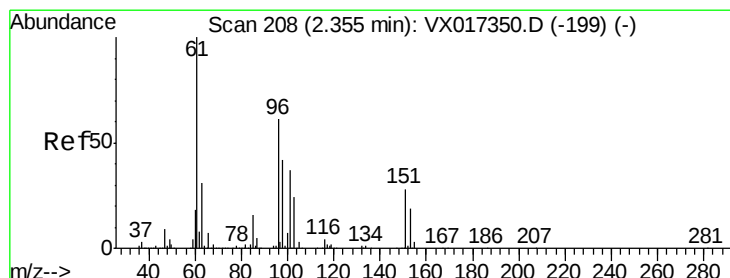
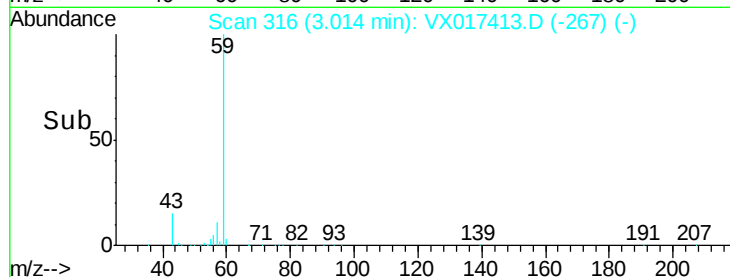
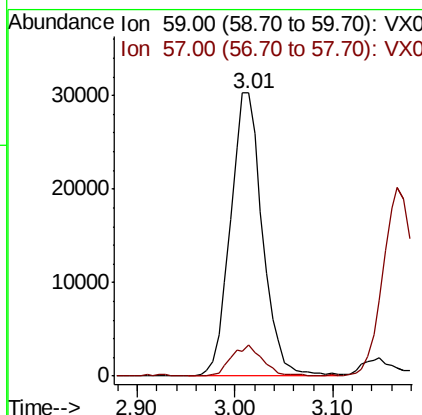
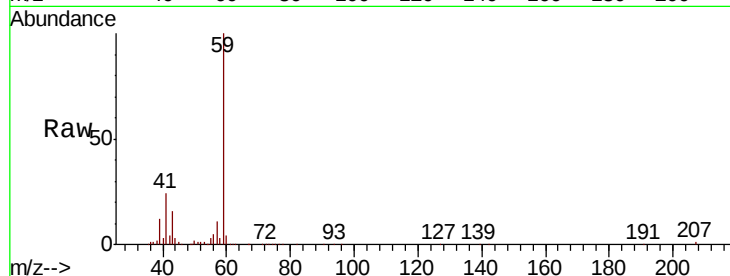


#11

Tert butyl alcohol
Concen: 104.007 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :

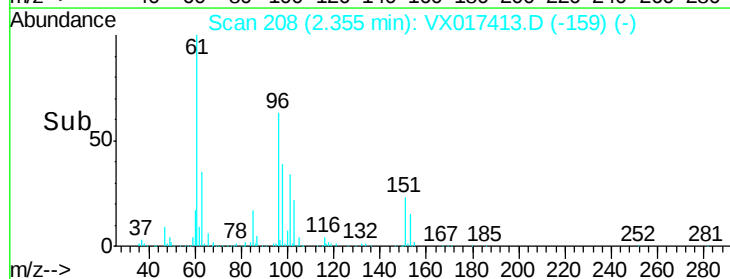
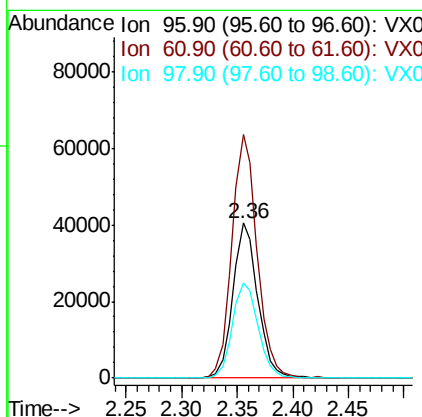
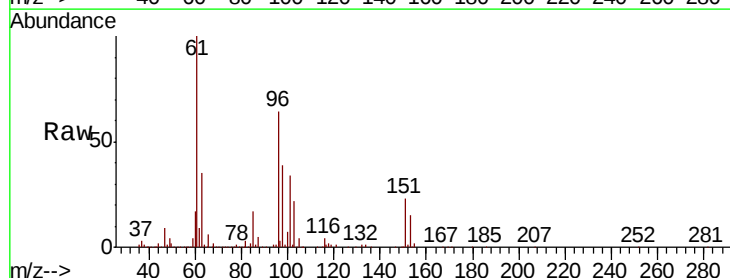
Tot Ion: 59 Resp: 68373
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

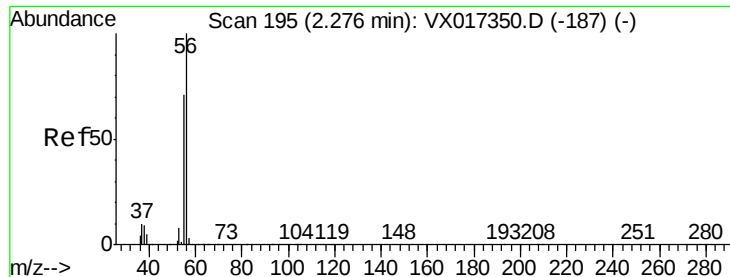


#12

1,1-Dichloroethene
Concen: 22.139 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 96 Resp: 62633
Ion Ratio Lower Upper
96 100
61 157.2 131.5 197.3
98 60.9 55.1 82.7





#13

Acrolein

Concen: 30.697 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

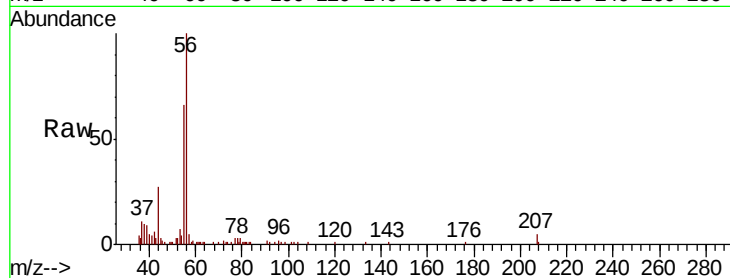
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 11062

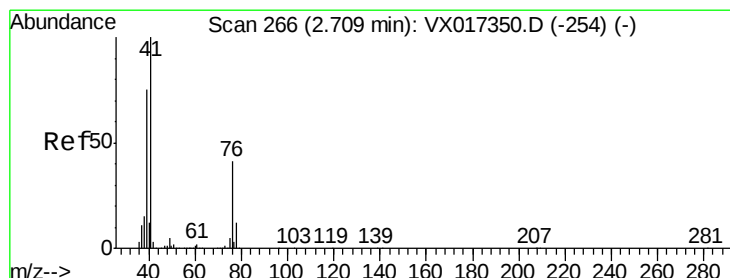
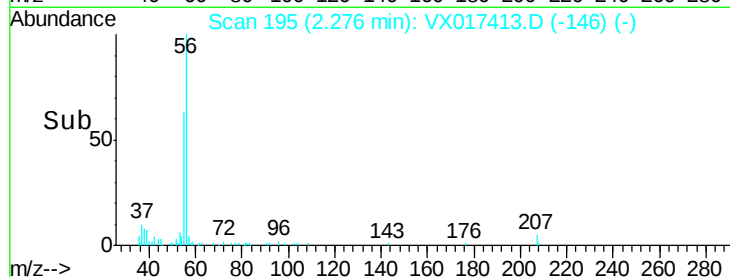
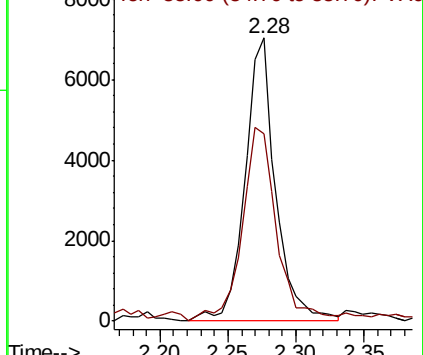
Ion Ratio Lower Upper

56 100

55 77.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 22.644 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

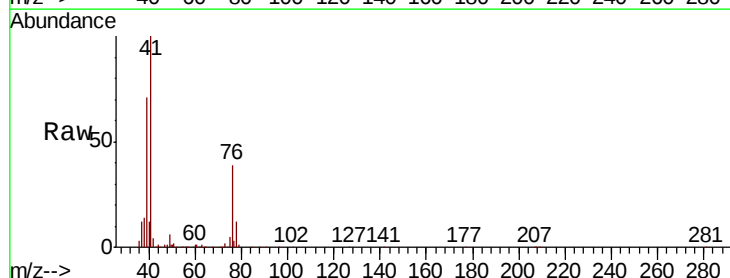
Tgt Ion: 41 Resp: 111006

Ion Ratio Lower Upper

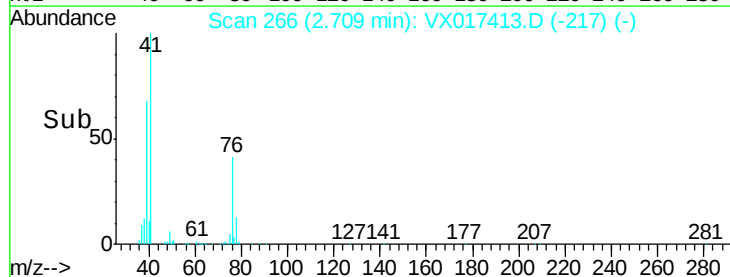
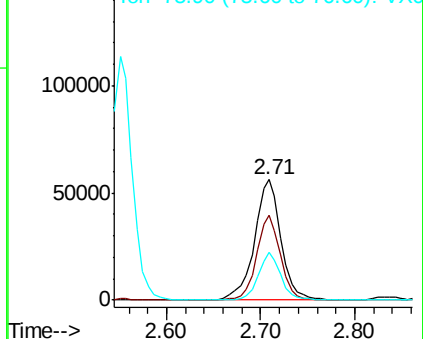
41 100

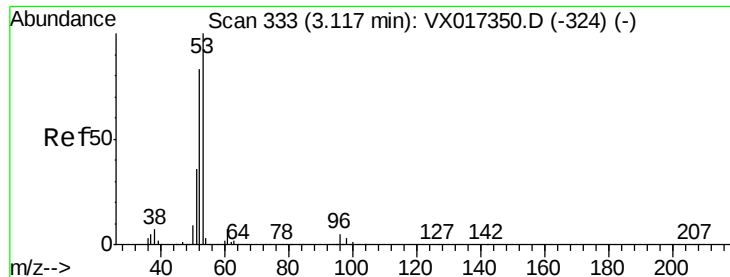
39 62.9 53.0 79.4

76 33.1 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 115.253 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

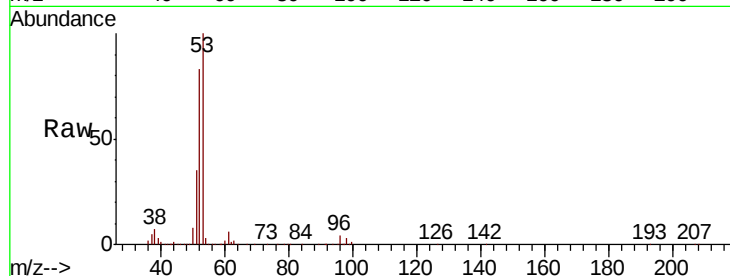
Tot Ion: 53 Resp: 183669

Ion Ratio Lower Upper

53 100

52 81.7 65.8 98.6

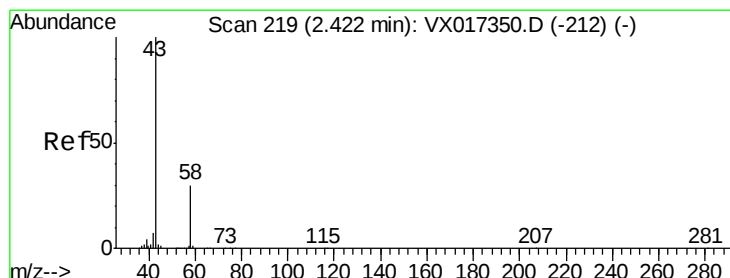
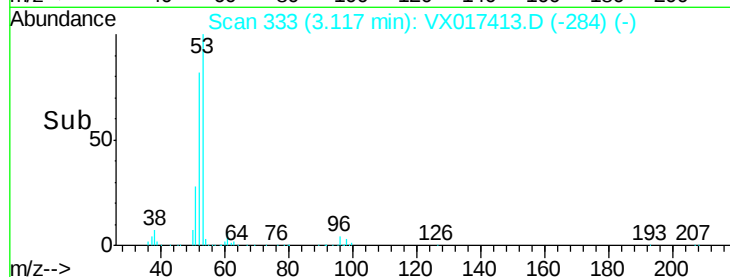
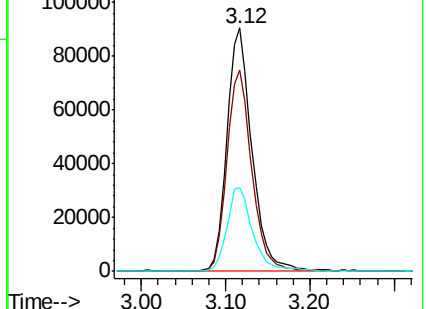
51 35.2 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 107.354 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017413.D

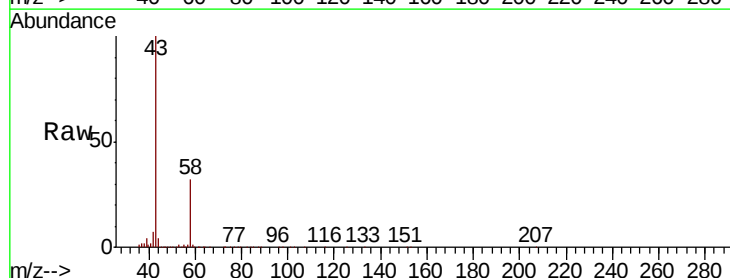
Acq: 17 Jul 2020 12:23

Tgt Ion: 43 Resp: 149438

Ion Ratio Lower Upper

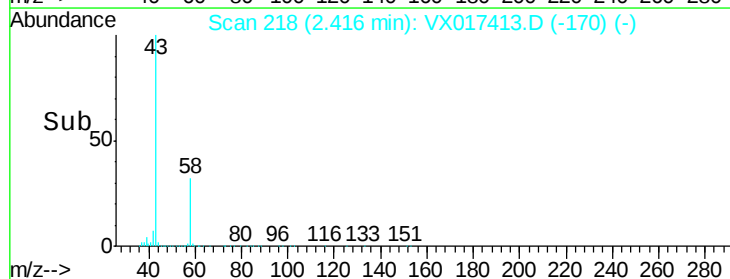
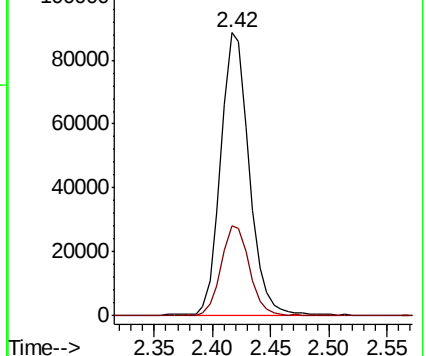
43 100

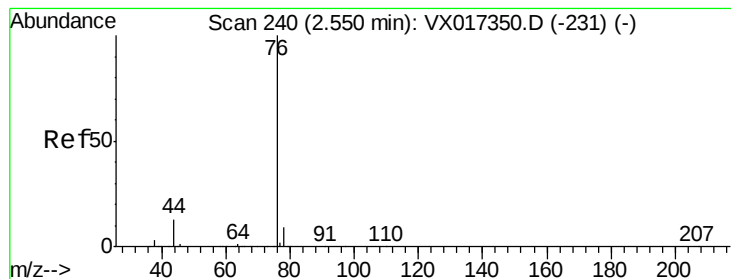
58 31.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 22.265 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

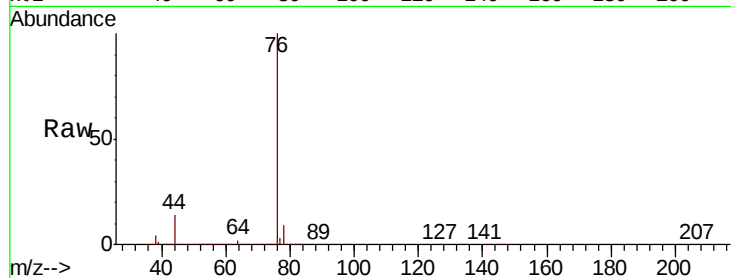
ClientSampleId :

Tot Ion: 76 Resp: 183758

Ion Ratio Lower Upper

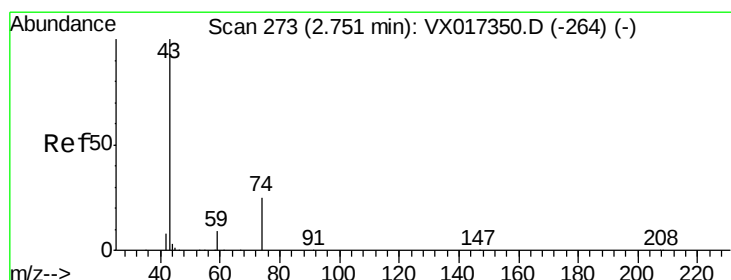
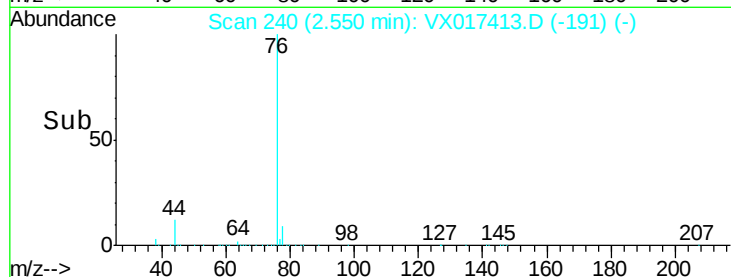
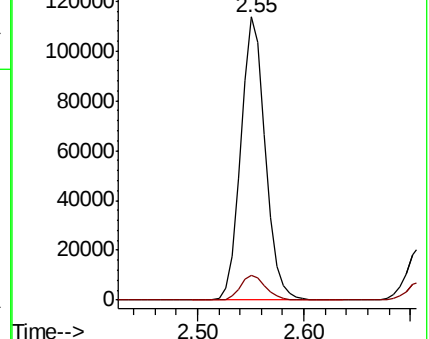
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.708 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017413.D

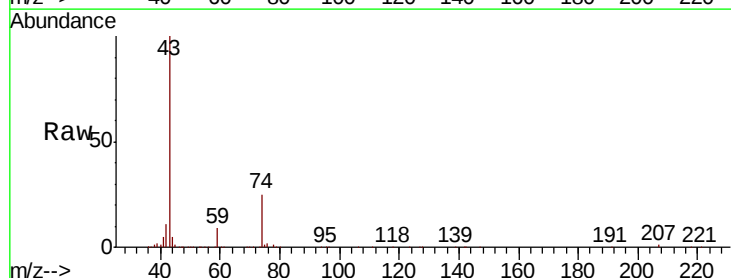
Acq: 17 Jul 2020 12:23

Tgt Ion: 43 Resp: 81512

Ion Ratio Lower Upper

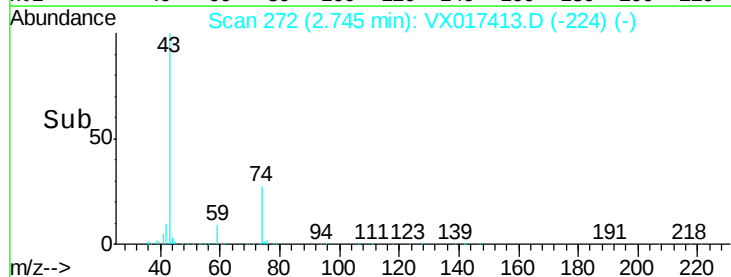
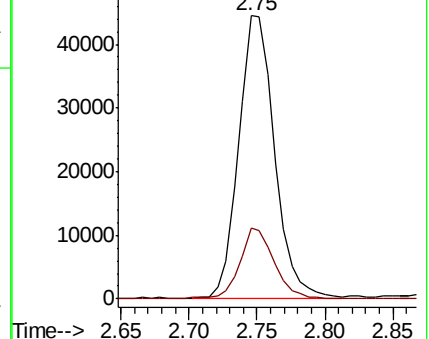
43 100

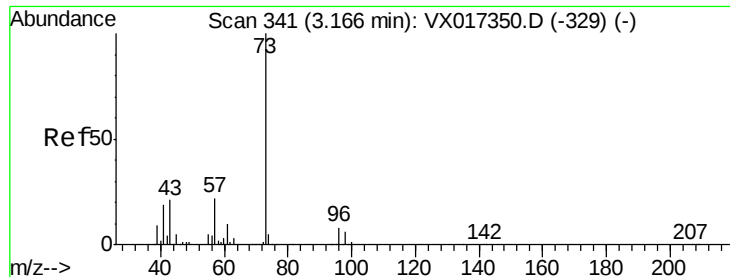
74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



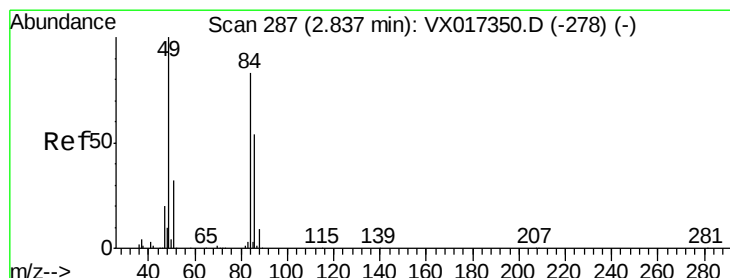
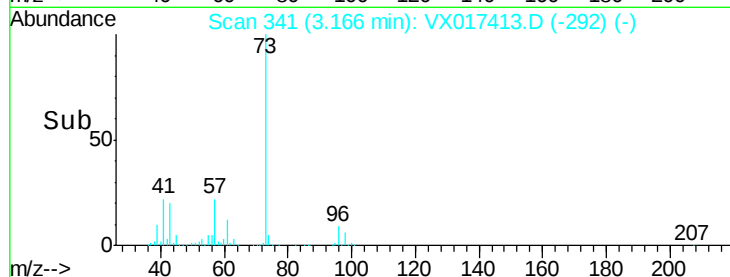
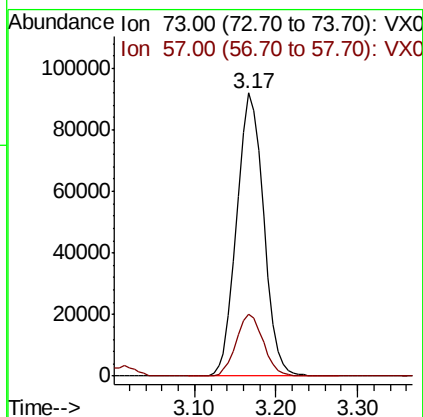
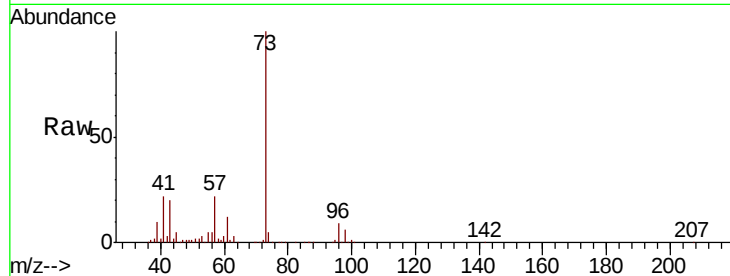


#19

Methyl tert-butyl Ether
 Concen: 21.973 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Instrument :
 MSVOA_X
 ClientSampled :

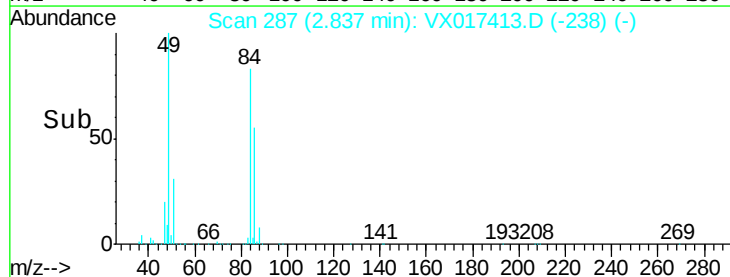
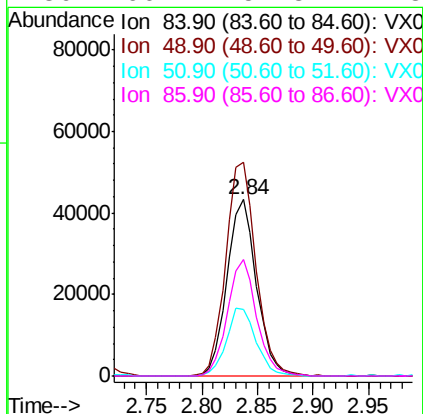
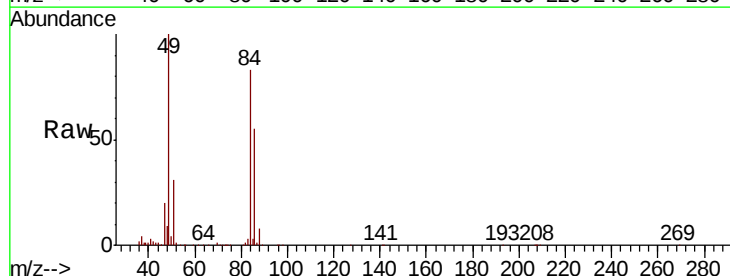
Tot Ion: 73 Resp: 211078
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.5 26.3

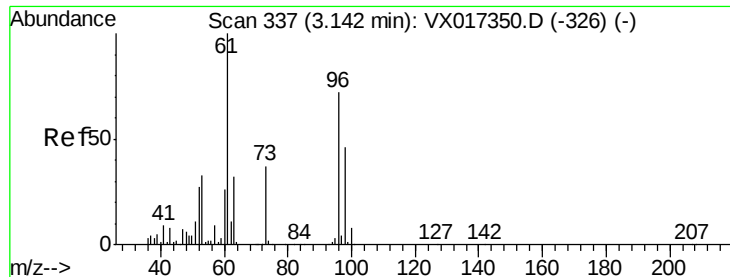


#20

Methylene Chloride
 Concen: 23.487 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion: 84 Resp: 79770
 Ion Ratio Lower Upper
 84 100
 49 120.9 95.8 143.8
 51 37.3 31.0 46.4
 86 66.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.943 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :

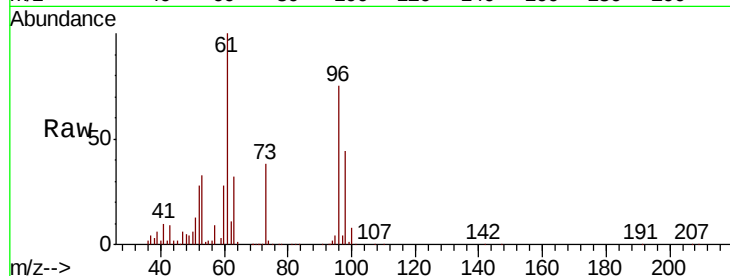
Tot Ion: 96 Resp: 71026

Ion Ratio Lower Upper

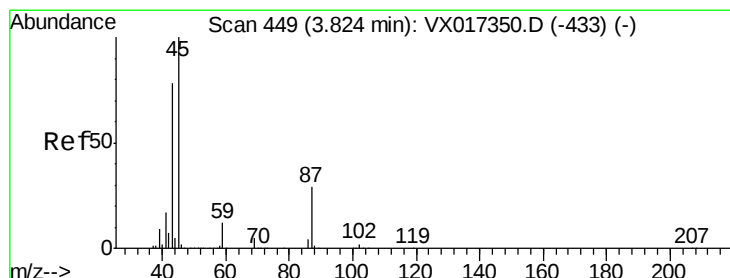
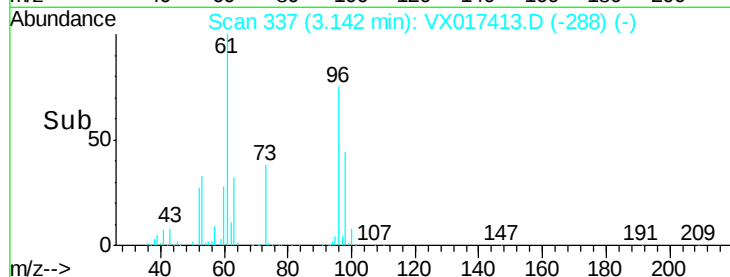
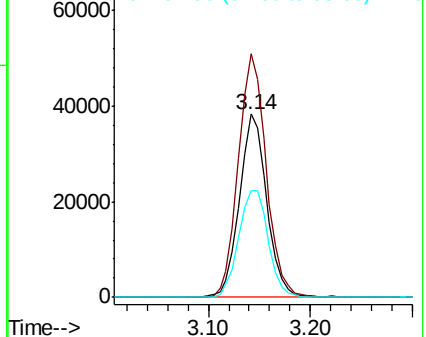
96 100

61 132.8 111.1 166.7

98 58.2 51.4 77.0



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



#22

Diisopropyl ether

Concen: 24.696 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Tgt Ion: 45 Resp: 230615

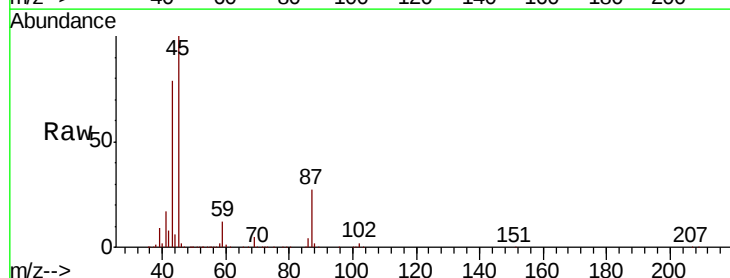
Ion Ratio Lower Upper

45 100

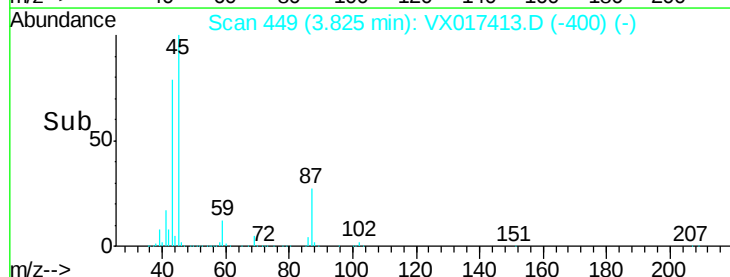
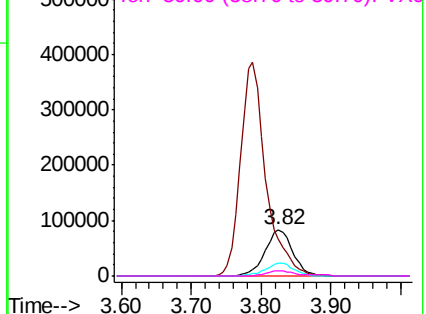
43 78.8 62.2 93.2

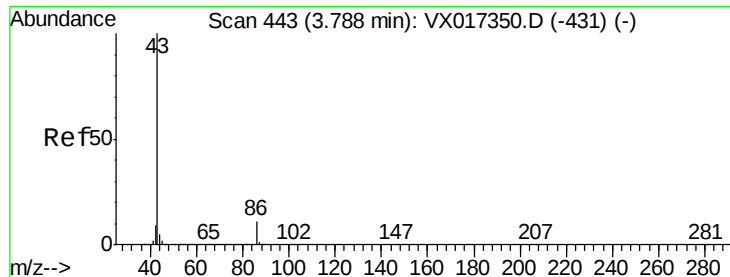
87 26.8 23.0 34.6

59 11.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 118.797 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

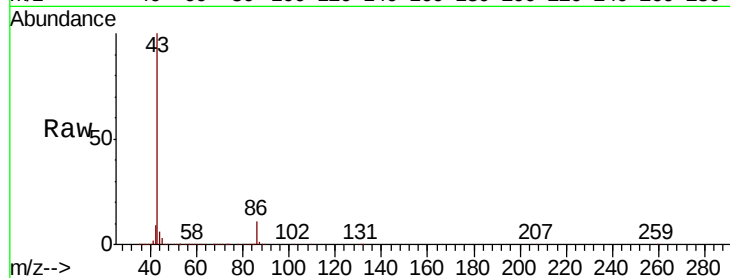
ClientSampled :

Tot Ion: 43 Resp: 975614

Ion Ratio Lower Upper

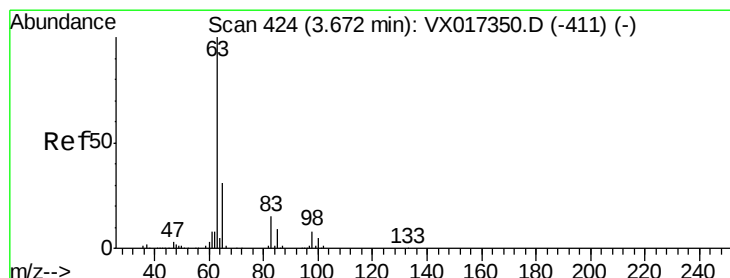
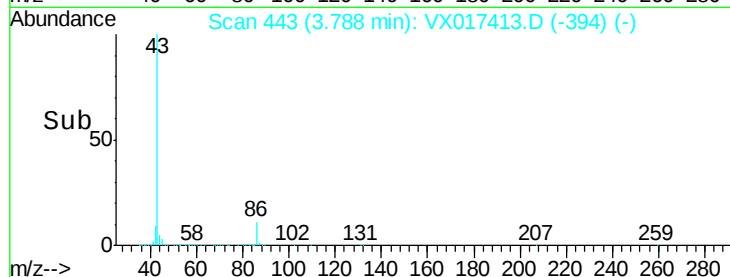
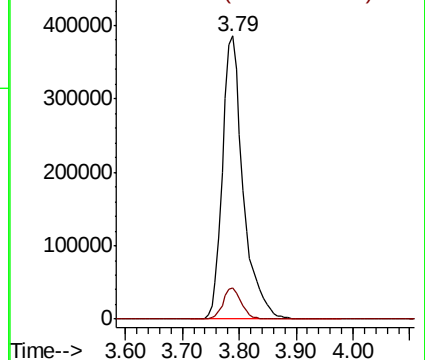
43 100

86 11.0 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 23.190 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

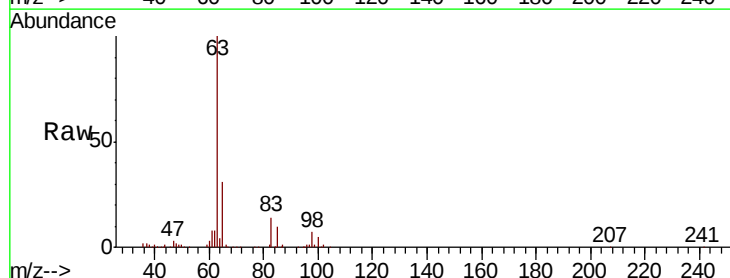
Tgt Ion: 63 Resp: 127266

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

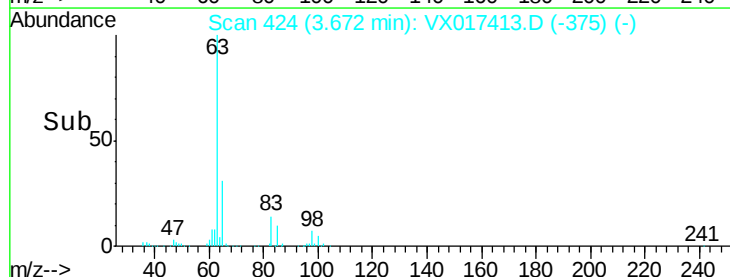
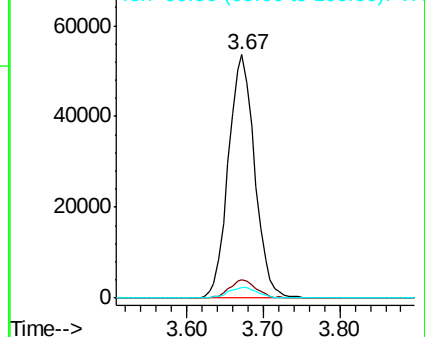
100 4.5 2.5 7.5

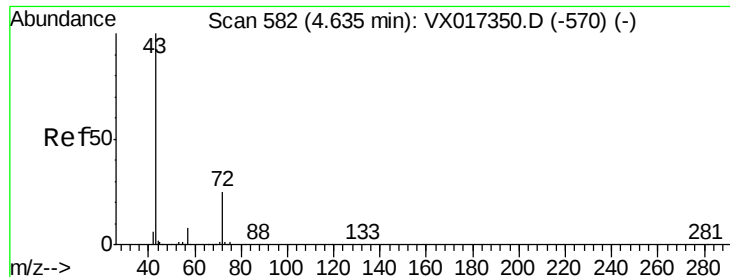


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 110.877 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

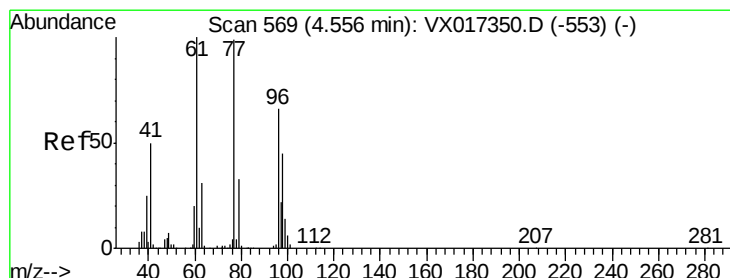
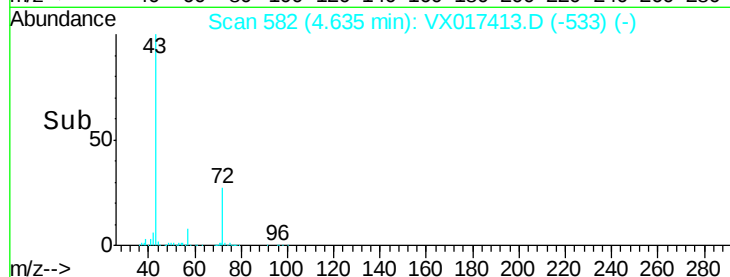
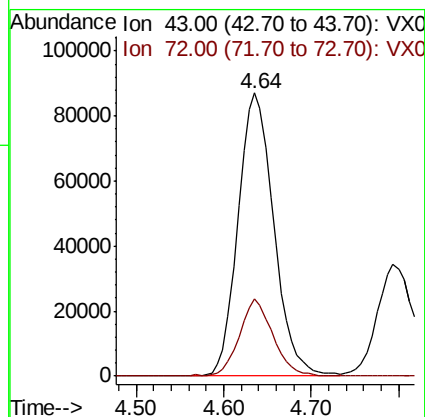
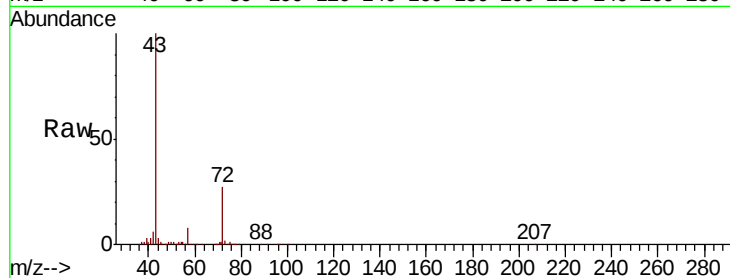
ClientSampleId :

Tot Ion: 43 Resp: 245140

Ion Ratio Lower Upper

43 100

72 27.2 20.4 30.6



#26

2,2-Dichloropropane

Concen: 21.887 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017413.D

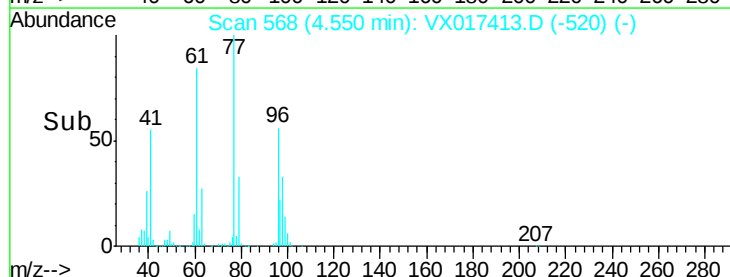
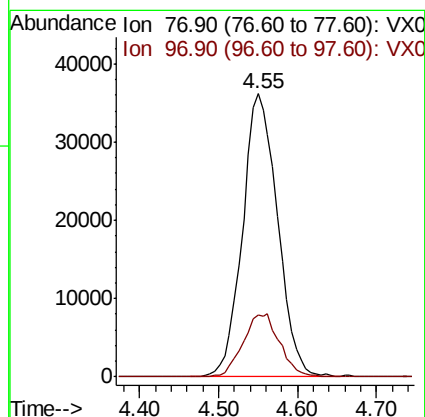
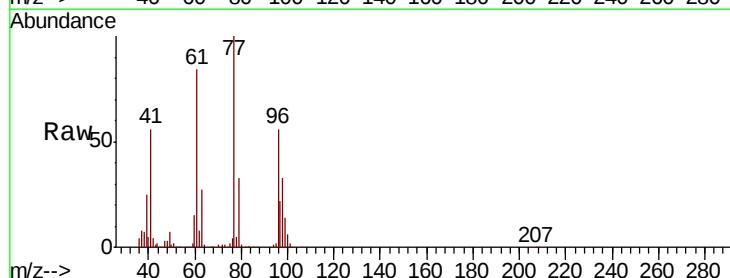
Acq: 17 Jul 2020 12:23

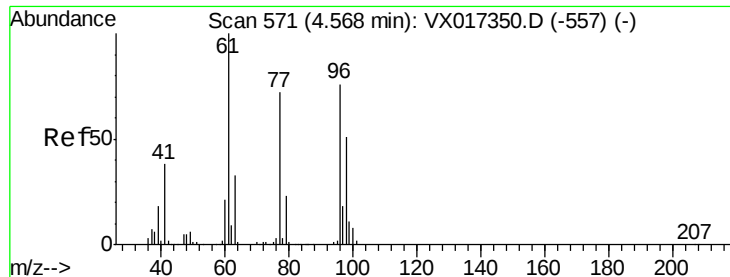
Tgt Ion: 77 Resp: 111785

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3



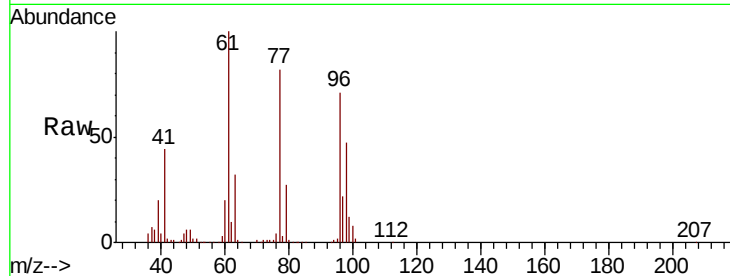


#27

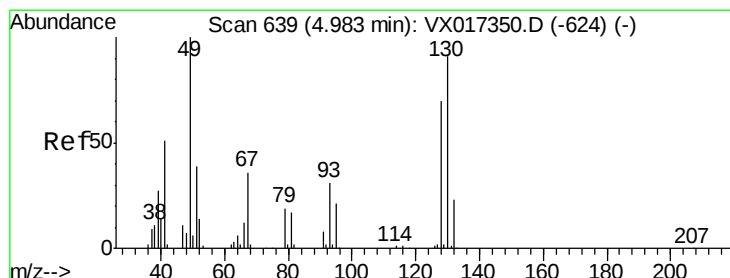
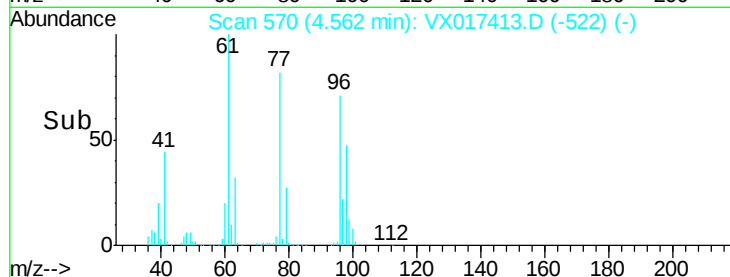
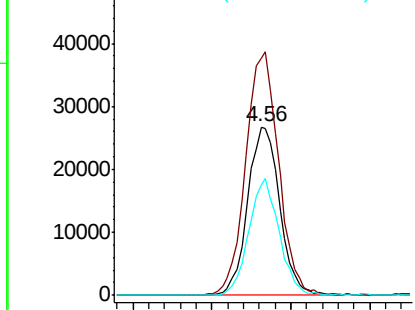
cis-1,2-Dichloroethene
 Concen: 21.309 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	281.2
98	65.7	0.0	131.4



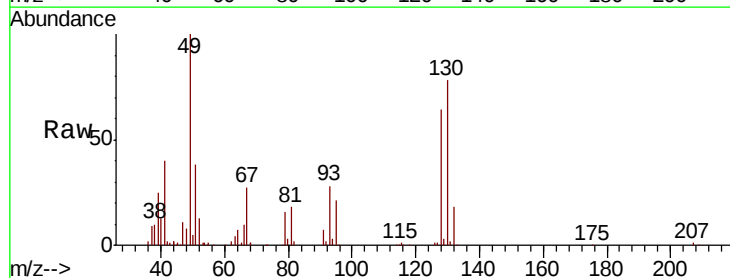
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



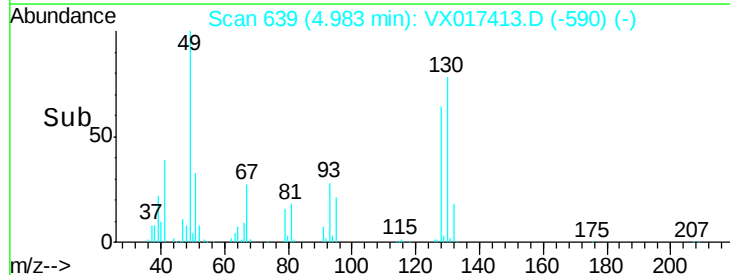
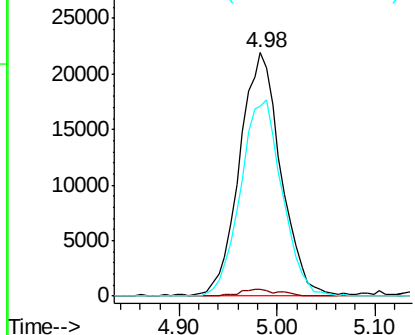
#28

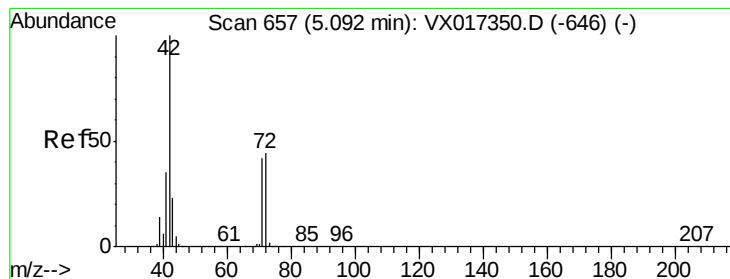
Bromochloromethane
 Concen: 25.311 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	81.3	71.1	106.7



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





#29

Tetrahydrofuran

Concen: 115.220 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

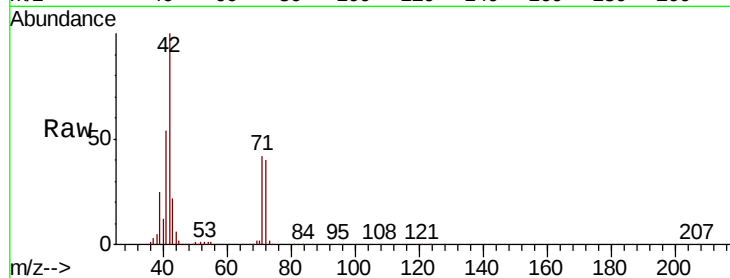
Tot Ion: 42 Resp: 164900

Ion Ratio Lower Upper

42 100

72 43.5 37.2 55.8

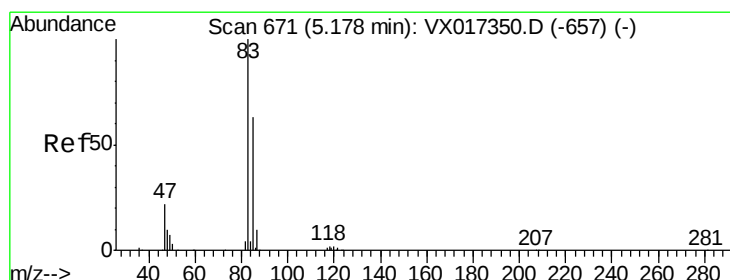
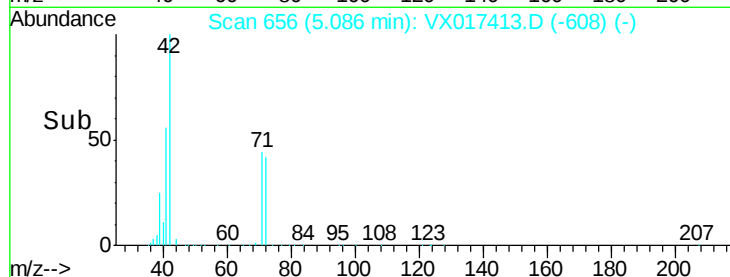
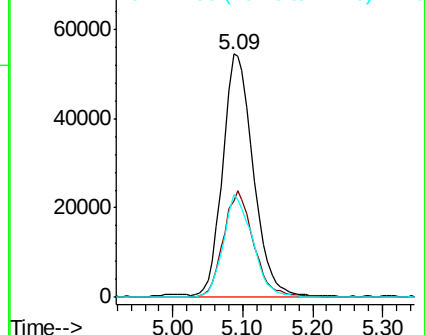
71 40.8 34.4 51.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 22.376 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017413.D

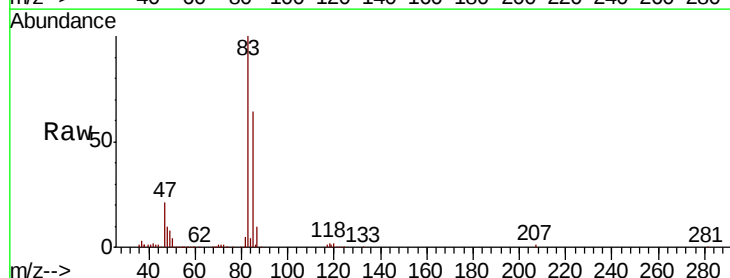
Acq: 17 Jul 2020 12:23

Tgt Ion: 83 Resp: 132119

Ion Ratio Lower Upper

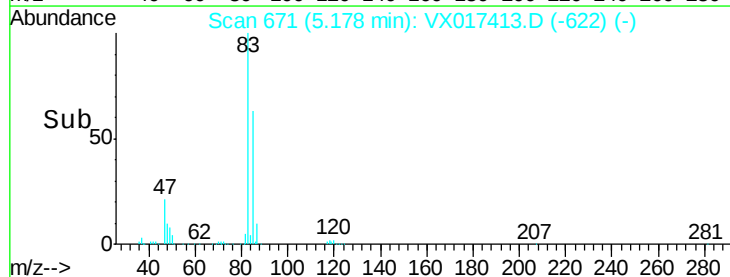
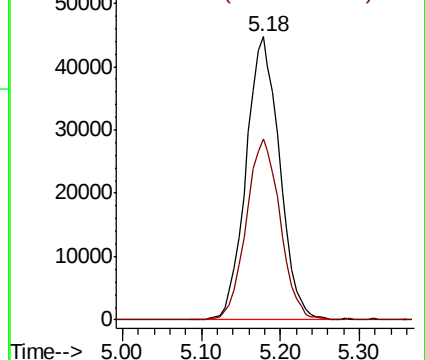
83 100

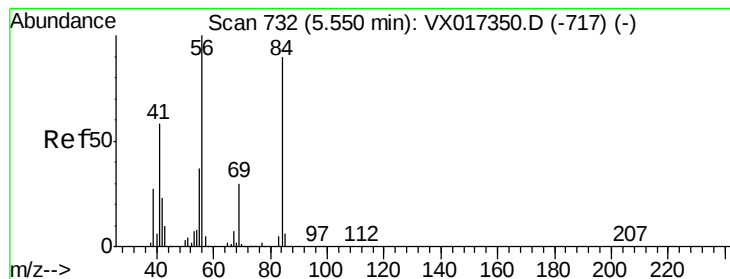
85 64.1 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 22.544 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

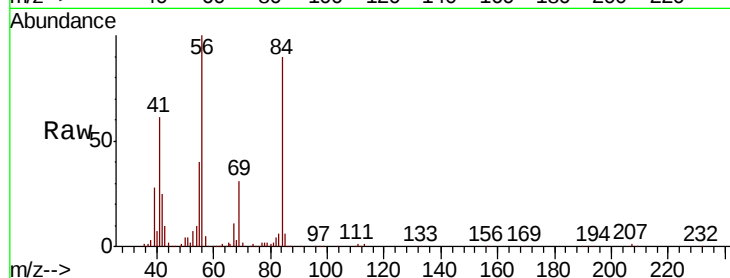
Tot Ion: 56 Resp: 101283

Ion Ratio Lower Upper

56 100

69 30.6 23.7 35.5

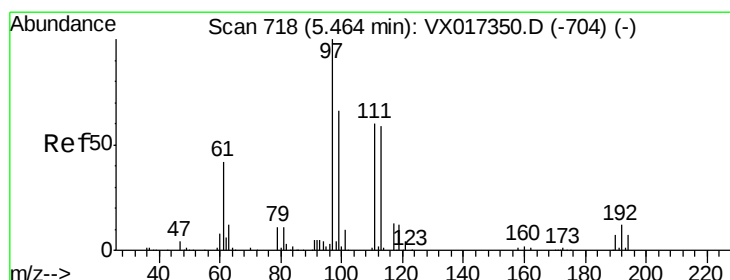
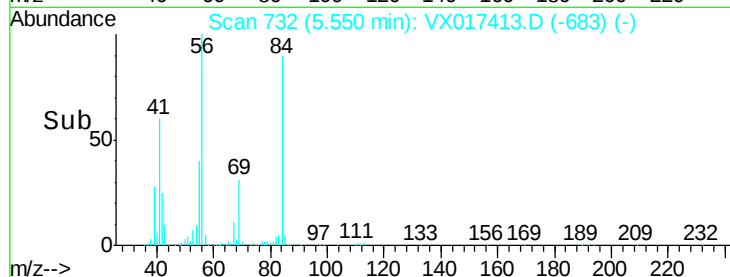
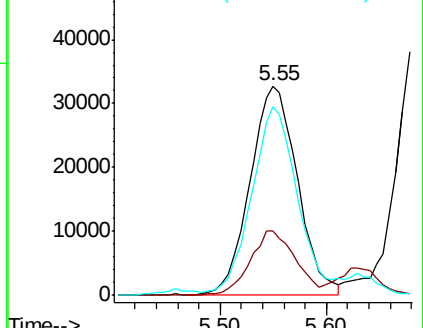
84 88.1 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.722 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

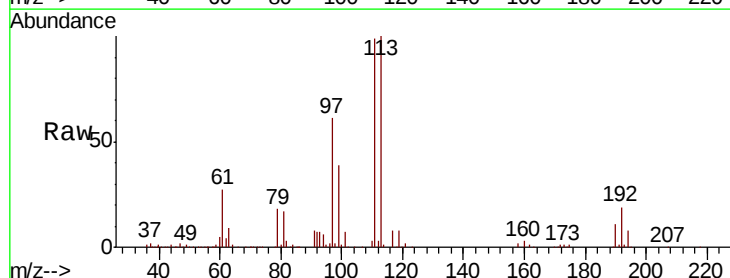
Tgt Ion: 97 Resp: 118567

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

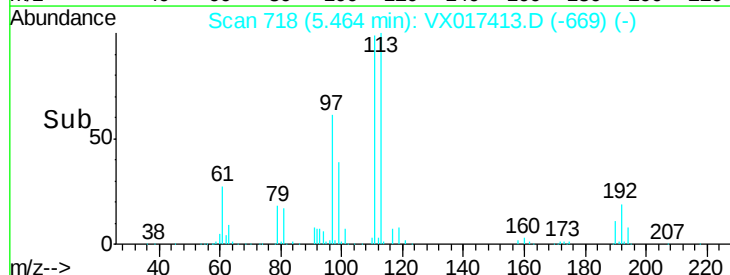
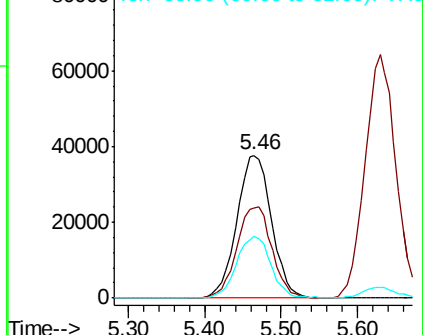
61 43.1 32.7 49.1

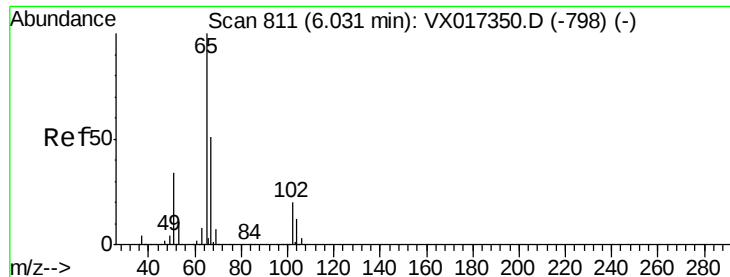


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.481 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

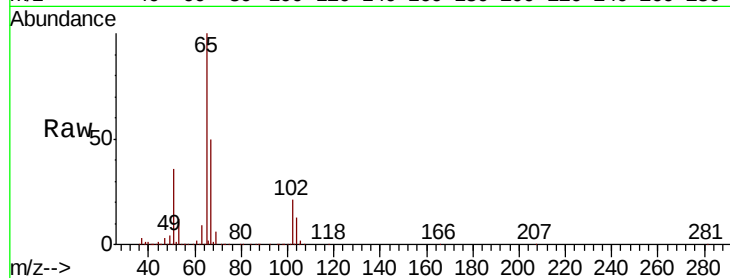
ClientSampleId :

Tot Ion: 65 Resp: 208676

Ion Ratio Lower Upper

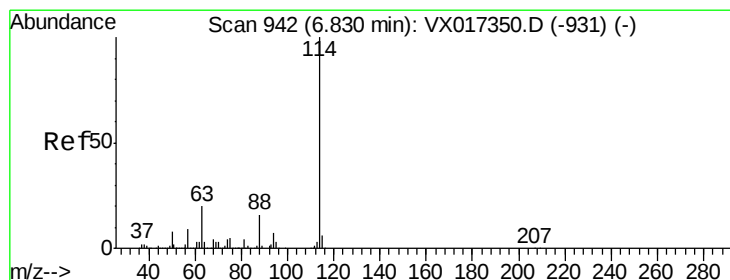
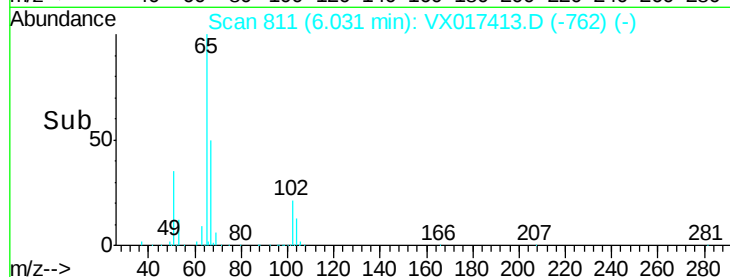
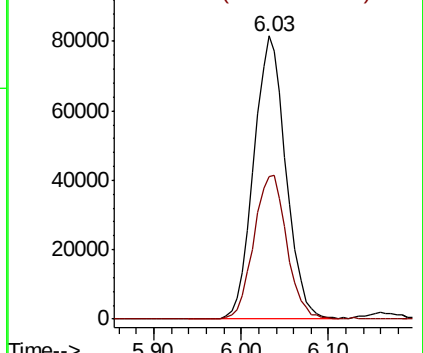
65 100

67 52.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

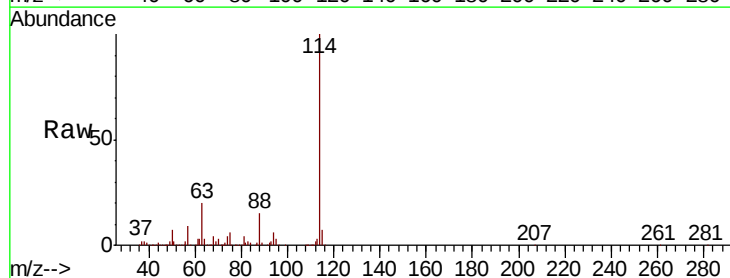
Tgt Ion: 114 Resp: 495789

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

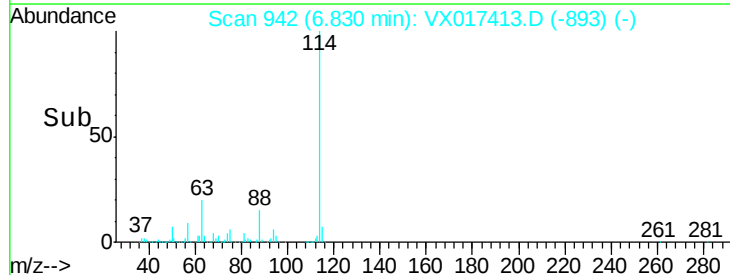
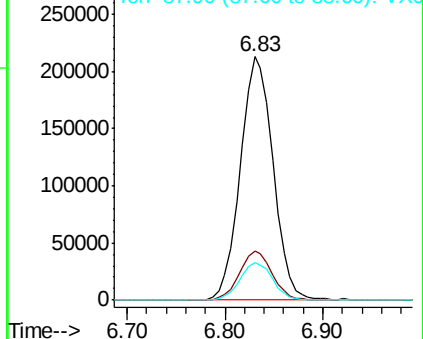
88 15.4 0.0 32.8

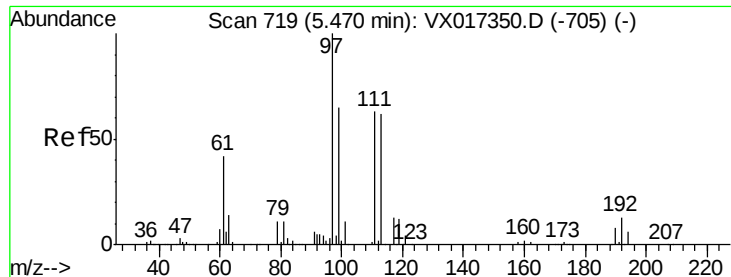


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

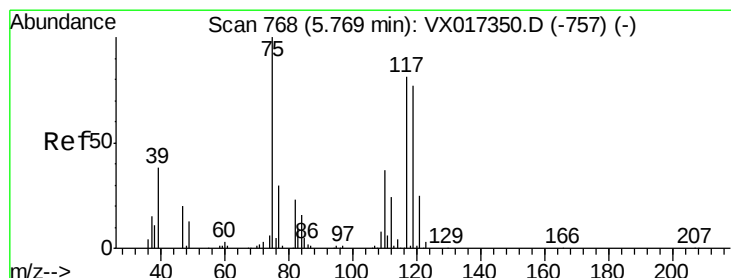
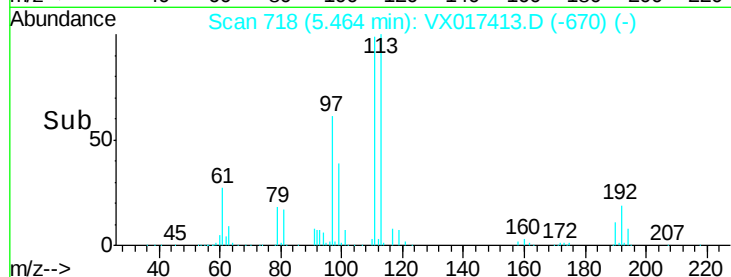
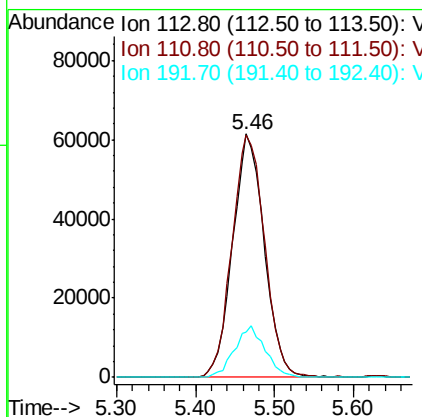
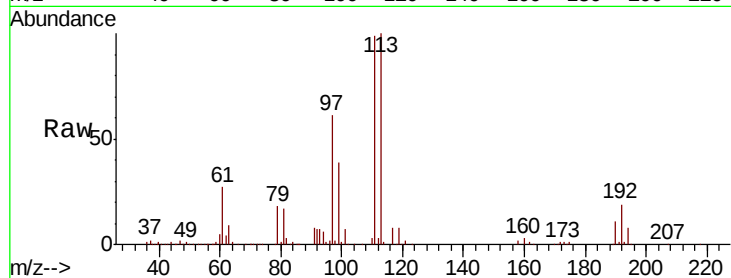




#35
Dibromofluoromethane
Concen: 51.312 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

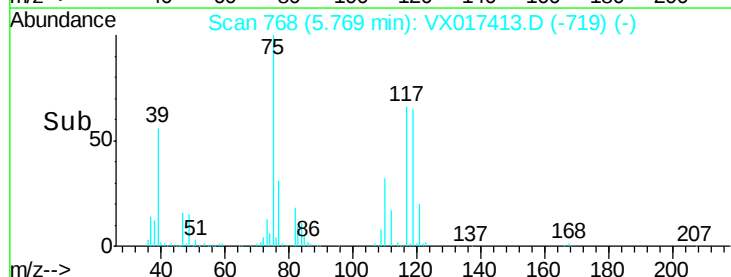
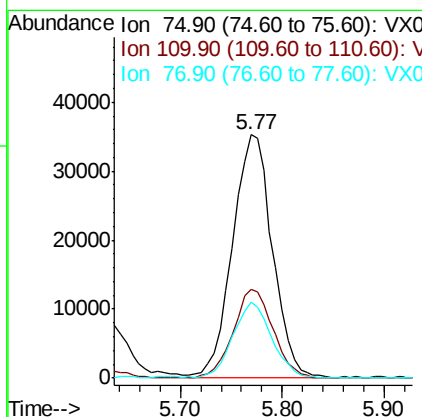
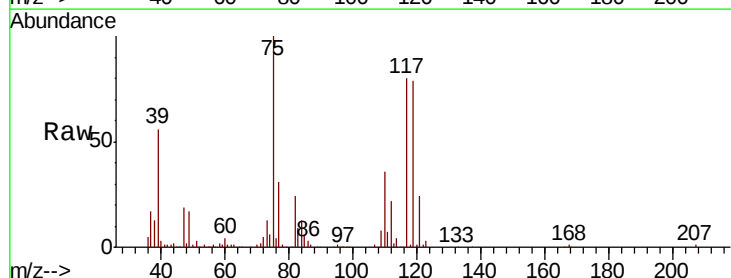
Instrument :
MSVOA_X
ClientSampled :

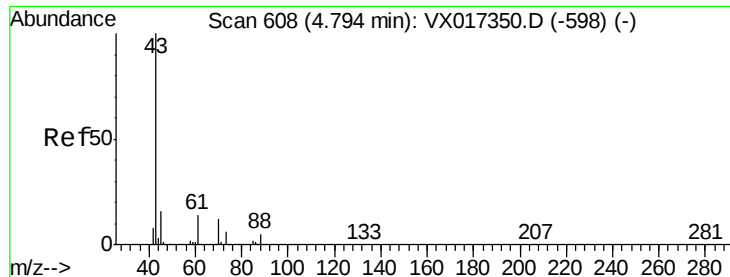
Tot Ion:113 Resp: 171367
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 20.6 17.2 25.8



#36
1,1-Dichloropropene
Concen: 20.799 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 75 Resp: 94850
Ion Ratio Lower Upper
75 100
110 36.6 18.6 55.8
77 30.9 24.9 37.3

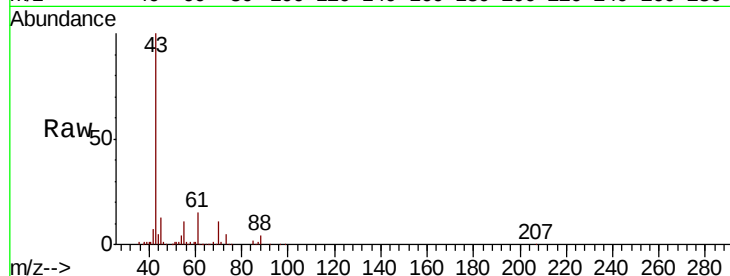




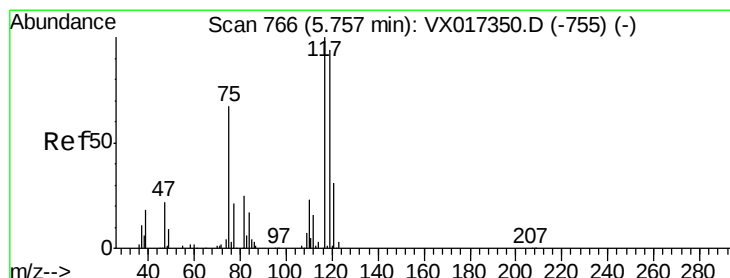
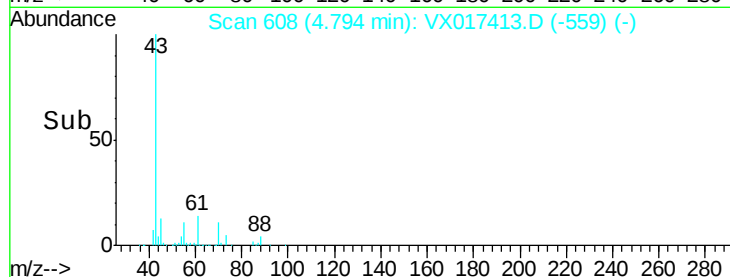
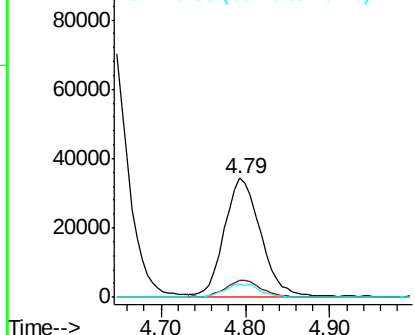
#37
Ethyl Acetate
Concen: 21.212 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	11.3	9.0	13.6

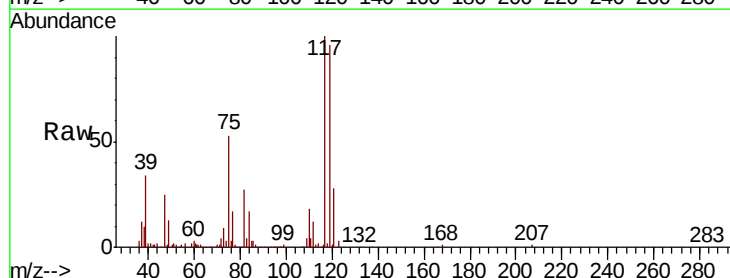


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

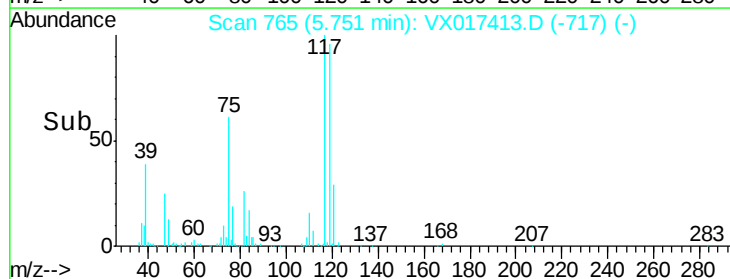
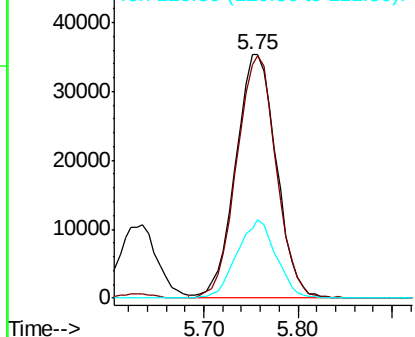


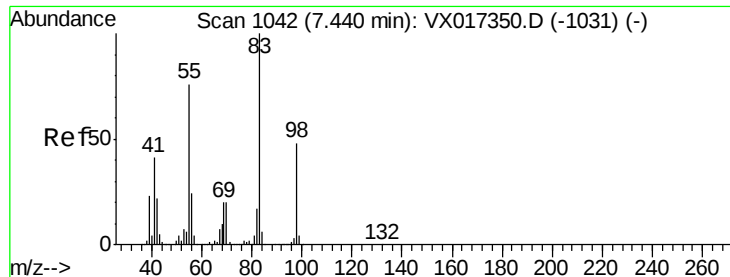
#38
Carbon Tetrachloride
Concen: 19.929 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.7	112.1
121	28.5	24.5	36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

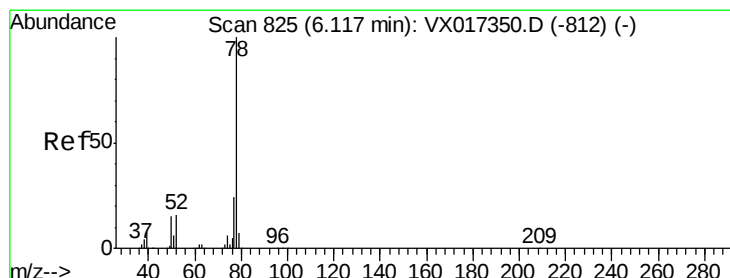
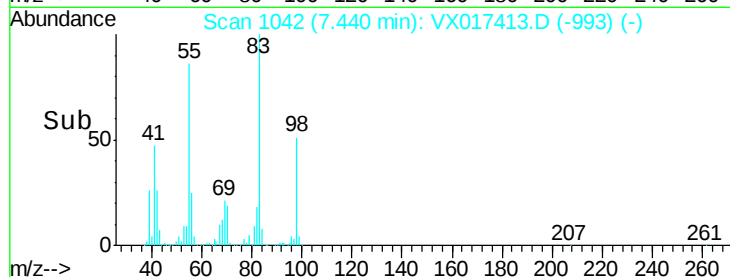
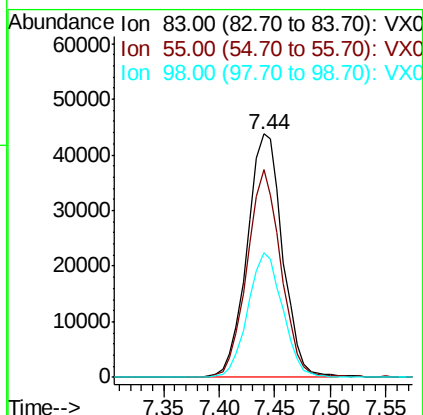
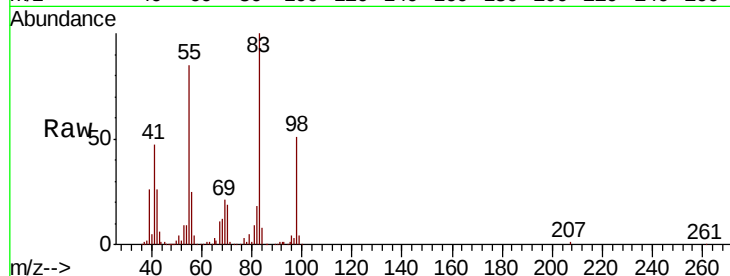




#39
Methvlcvclohexane
Concen: 19.634 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

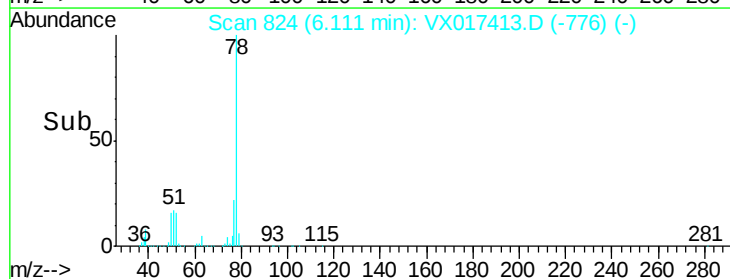
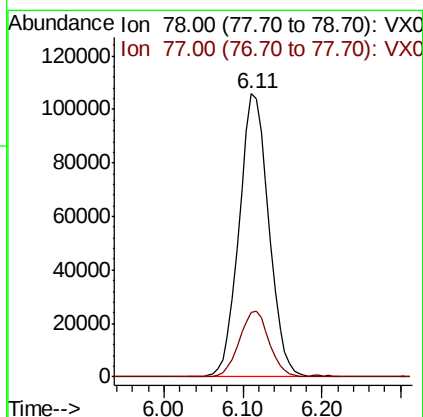
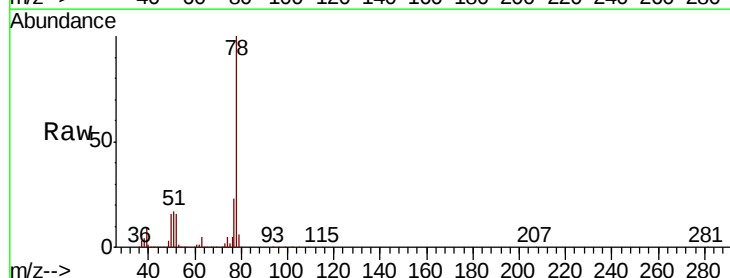
Instrument :
MSVOA_X
ClientSampleId :

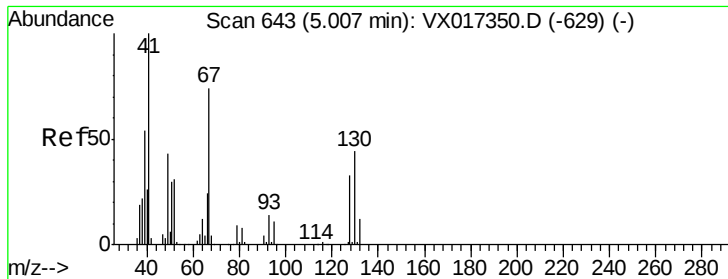
Tot Ion: 83 Resp: 97235
Ion Ratio Lower Upper
83 100
55 85.3 61.2 91.8
98 50.9 38.1 57.1



#40
Benzene
Concen: 21.184 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 78 Resp: 277641
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3





#41

Methacrylonitrile

Concen: 21.366 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 54095

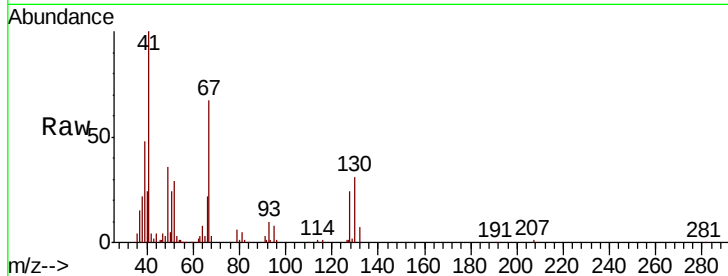
Ion Ratio Lower Upper

41 100

39 55.4 43.8 65.8

67 72.4 58.7 88.1

52 33.0 24.9 37.3

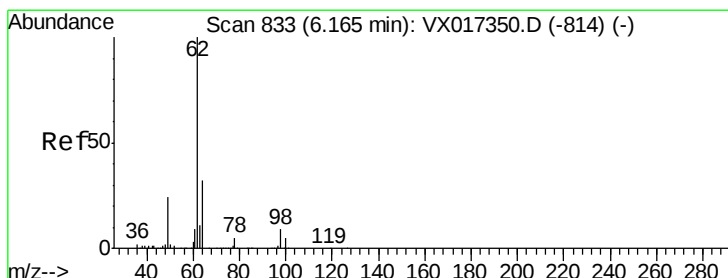
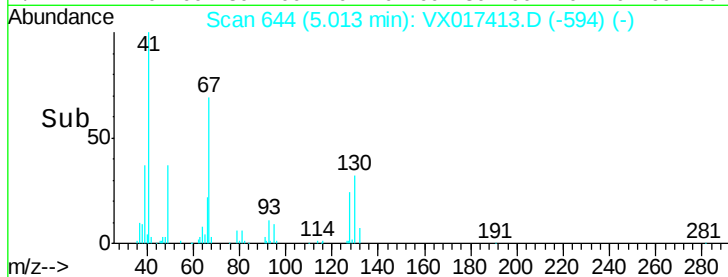
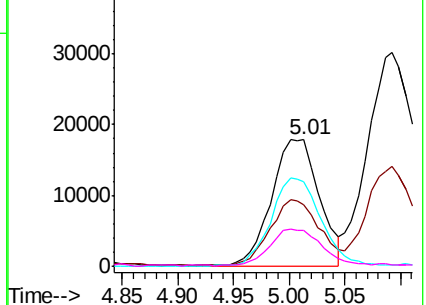


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.565 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017413.D

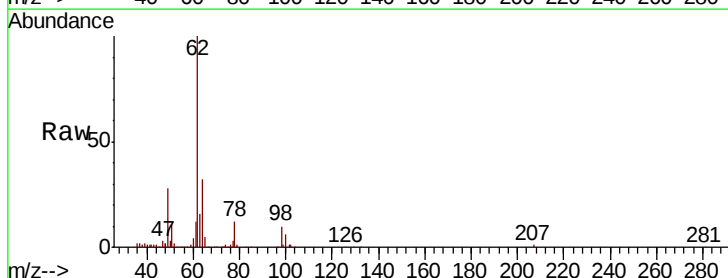
Acq: 17 Jul 2020 12:23

Tgt Ion: 62 Resp: 104716

Ion Ratio Lower Upper

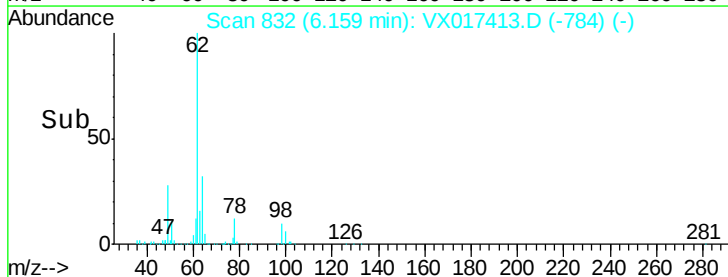
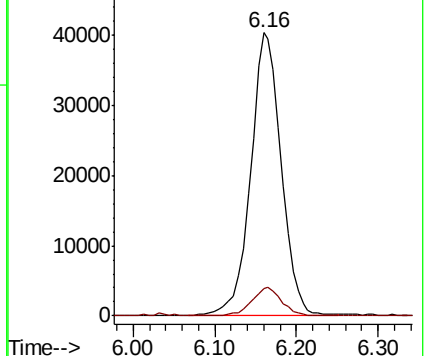
62 100

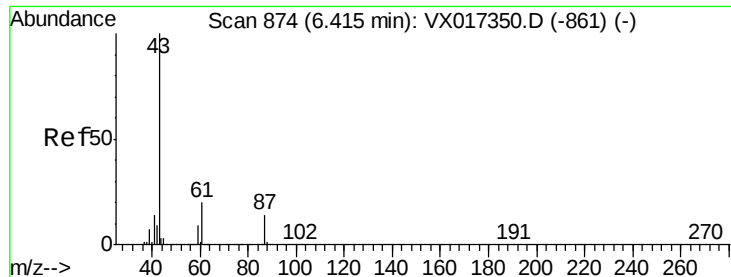
98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



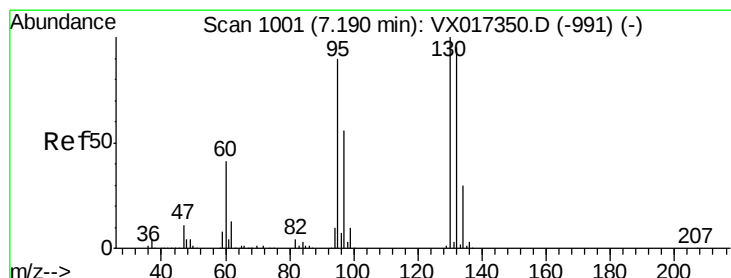
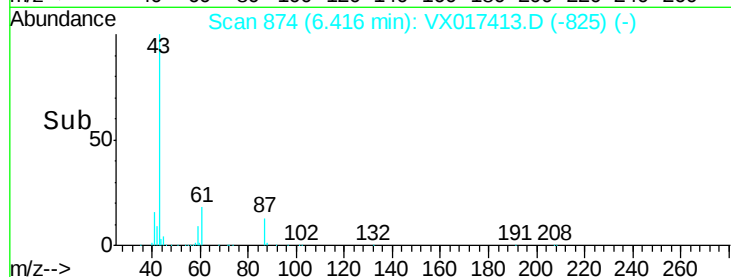
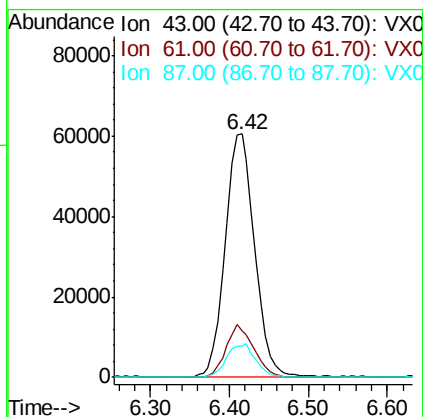
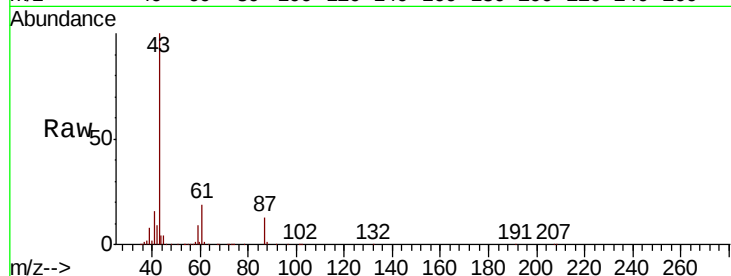


#43

Isopropyl Acetate
 Concen: 20.653 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Instrument :
 MSVOA_X
 ClientSampled :

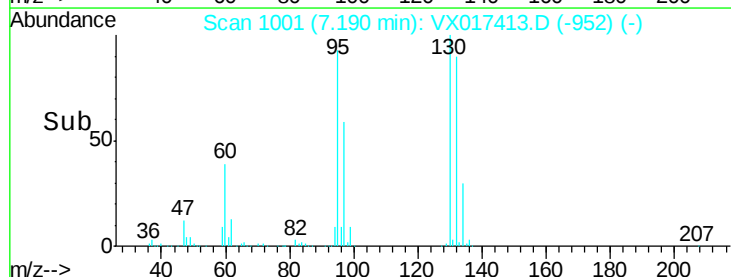
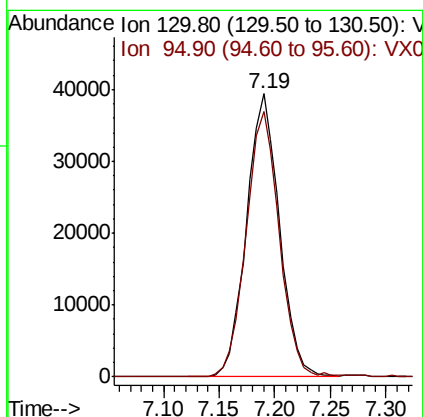
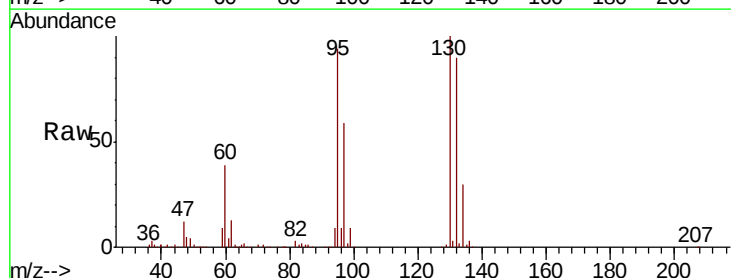
Tot Ion	43	Resp	155645
Ion Ratio	Lower	Upper	
43	100		
61	20.9	16.4	24.6
87	13.8	11.2	16.8

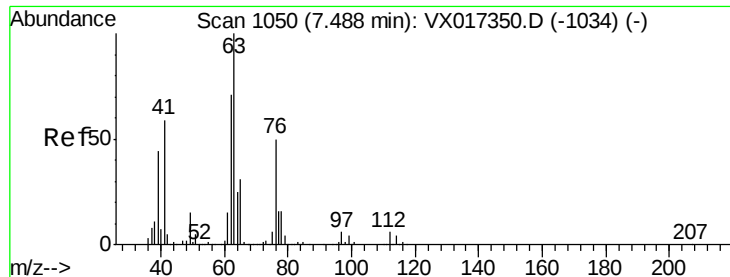


#44

Trichloroethene
 Concen: 20.245 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion	130	Resp	81046
Ion Ratio	Lower	Upper	
130	100		
95	93.6	0.0	180.2





#45

1,2-Dichloropropane

Concen: 22.408 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

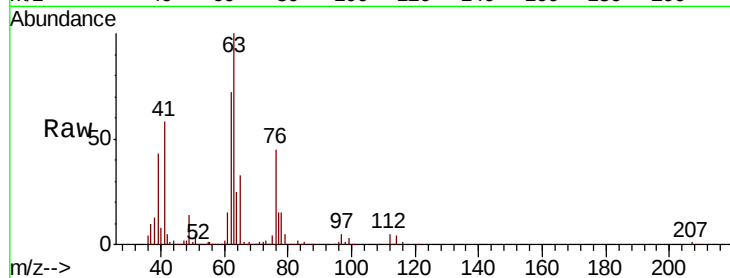
ClientSampleId :

Tot Ion: 63 Resp: 75144

Ion Ratio Lower Upper

63 100

65 32.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

40000

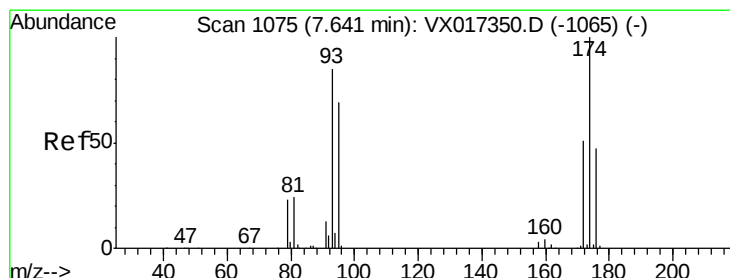
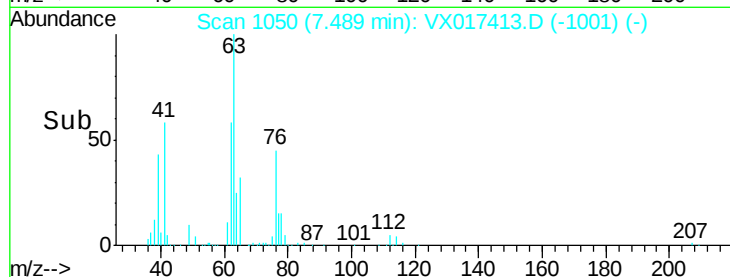
30000

20000

10000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 21.316 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

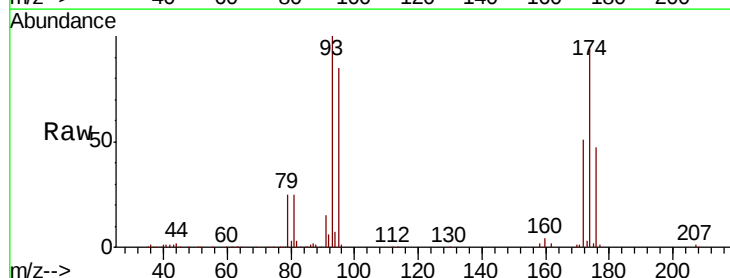
Tgt Ion: 93 Resp: 51554

Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

174 105.2 91.2 136.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

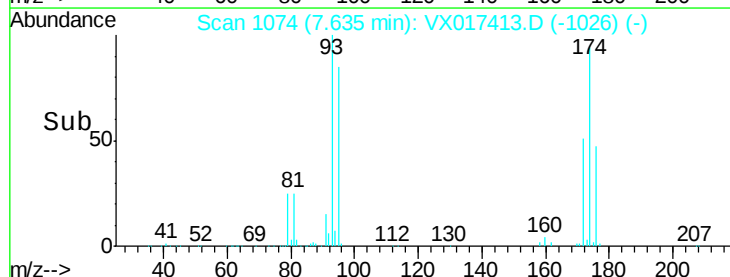
30000

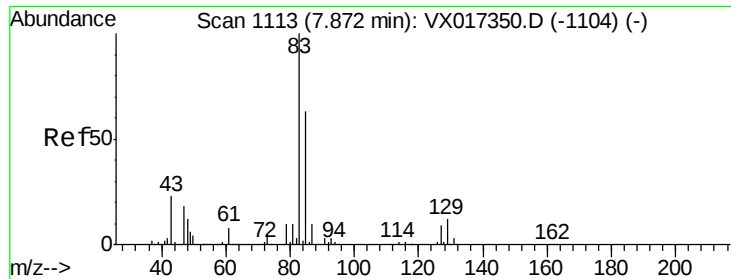
20000

10000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 21.101 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

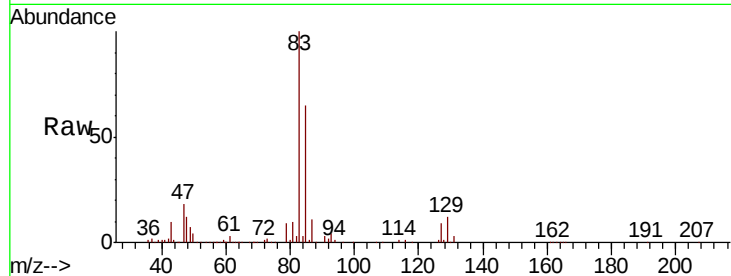
Tot Ion: 83 Resp: 106693

Ion Ratio Lower Upper

83 100

85 65.4 50.2 75.4

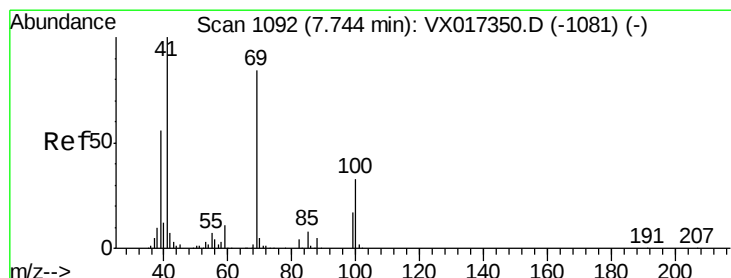
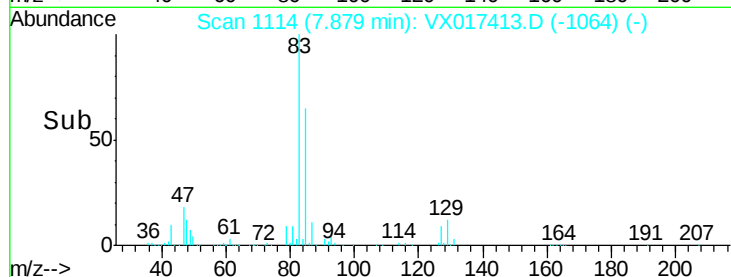
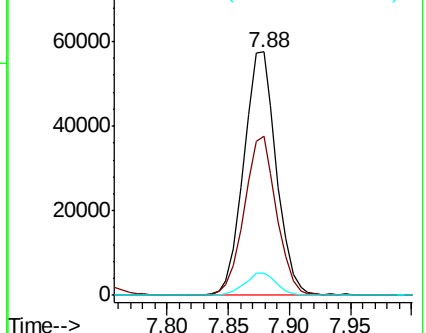
127 9.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.400 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

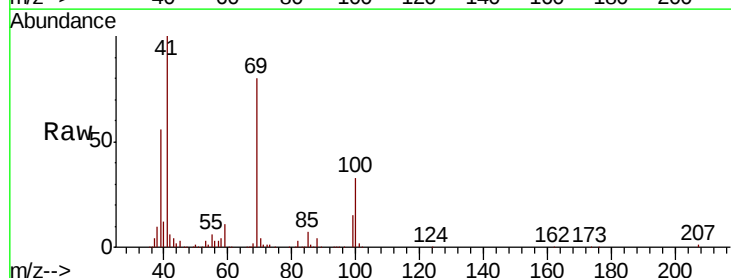
Tgt Ion: 41 Resp: 77391

Ion Ratio Lower Upper

41 100

69 81.3 67.8 101.6

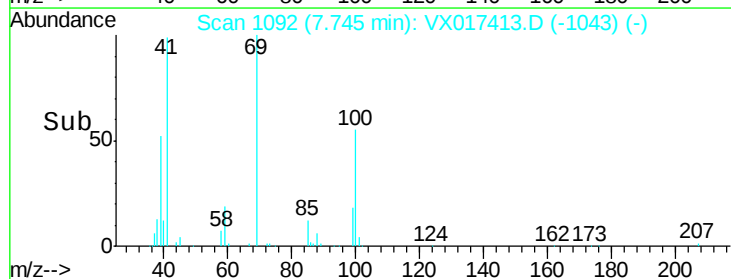
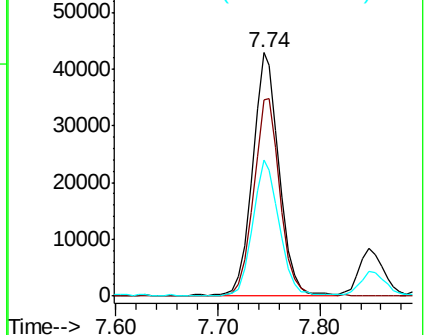
39 55.6 45.1 67.7

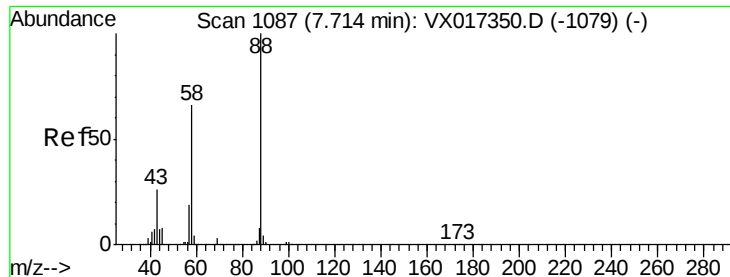


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 378.877 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

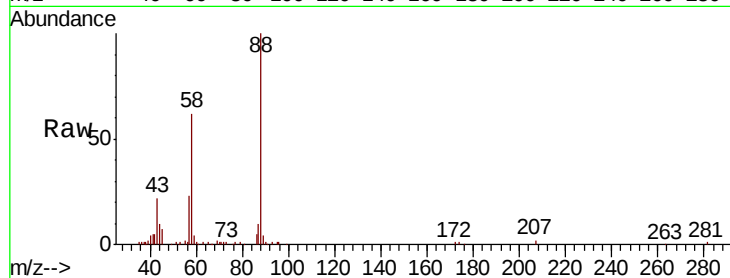
Tot Ion: 88 Resp: 28039

Ion Ratio Lower Upper

88 100

43 34.5 25.6 38.4

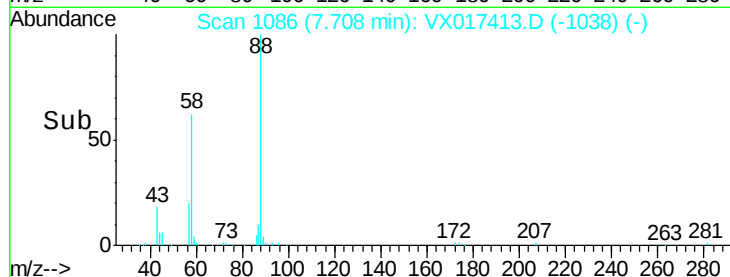
58 74.0 53.9 80.9



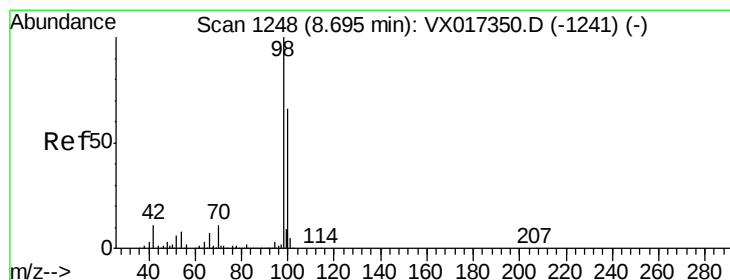
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.697 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017413.D

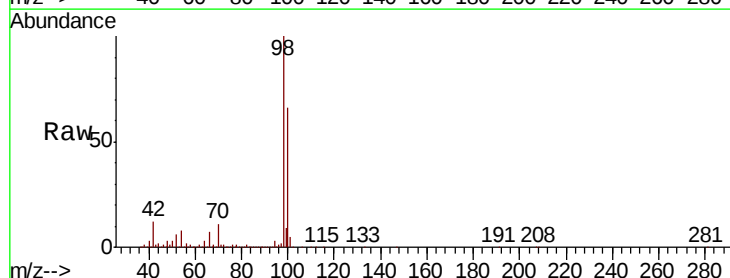
Acq: 17 Jul 2020 12:23

Tgt Ion: 98 Resp: 622788

Ion Ratio Lower Upper

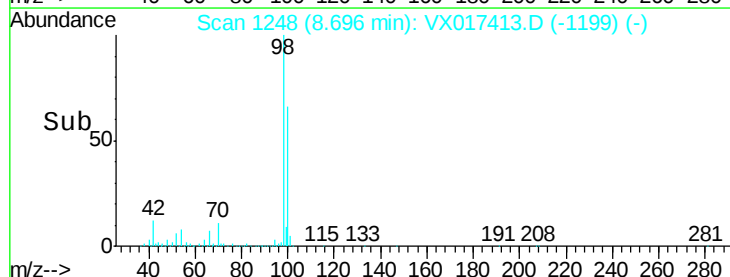
98 100

100 66.9 53.4 80.2

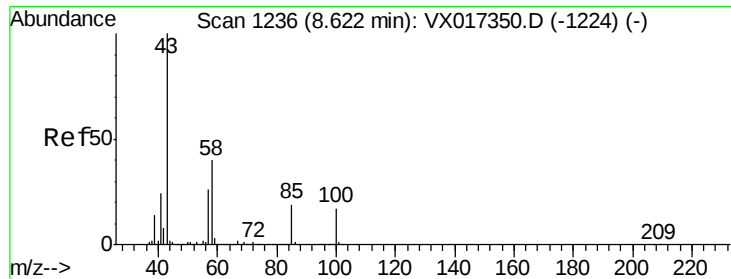


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



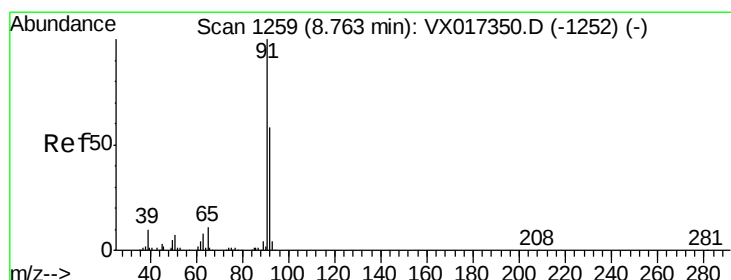
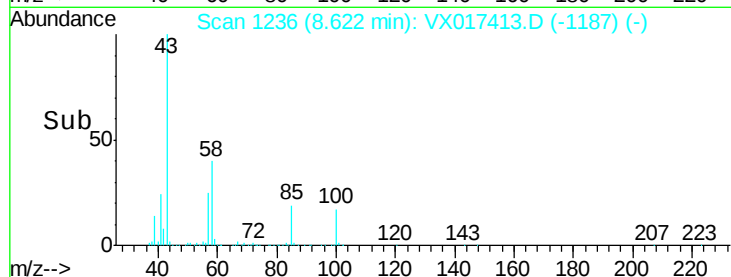
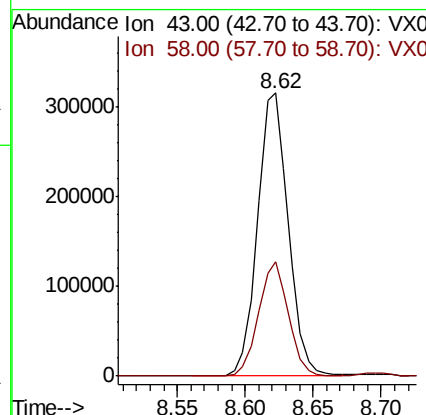
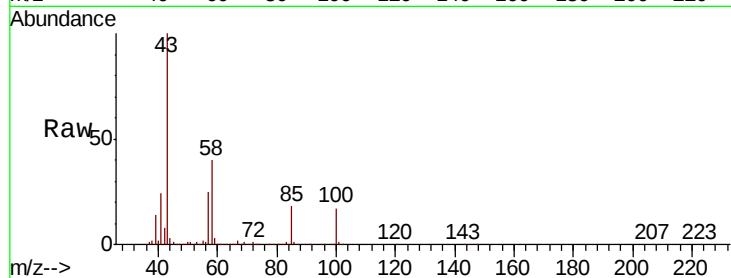
Time-->



#51
4-Methyl-2-Pentanone
Concen: 108.937 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

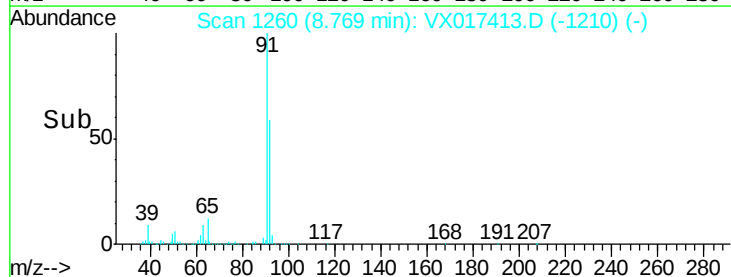
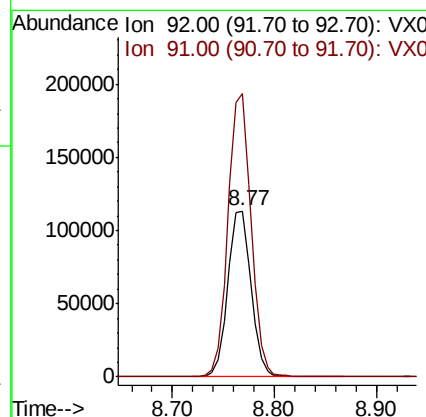
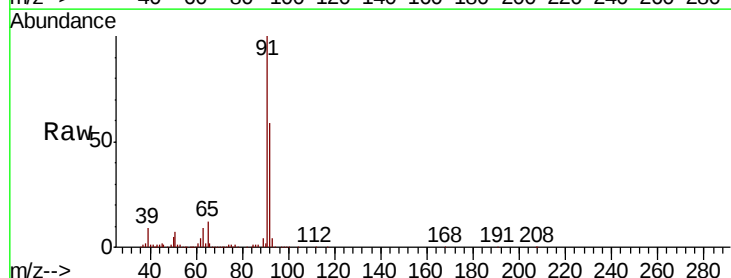
Instrument :
MSVOA_X
ClientSampleId :

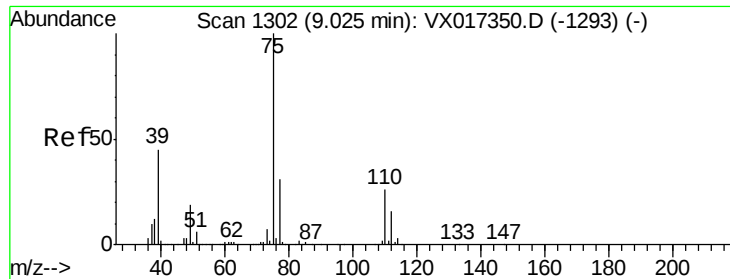
Tot Ion: 43 Resp: 500574
Ion Ratio Lower Upper
43 100
58 39.1 32.2 48.2



#52
Toluene
Concen: 21.380 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 92 Resp: 179813
Ion Ratio Lower Upper
92 100
91 169.1 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.898 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

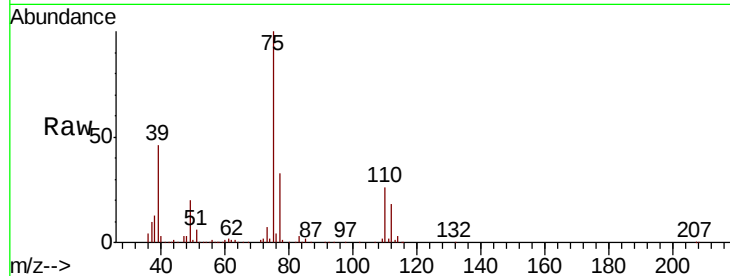
ClientSampleId :

Tot Ion: 75 Resp: 108391

Ion Ratio Lower Upper

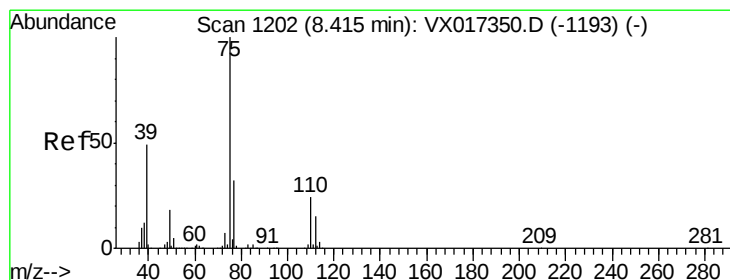
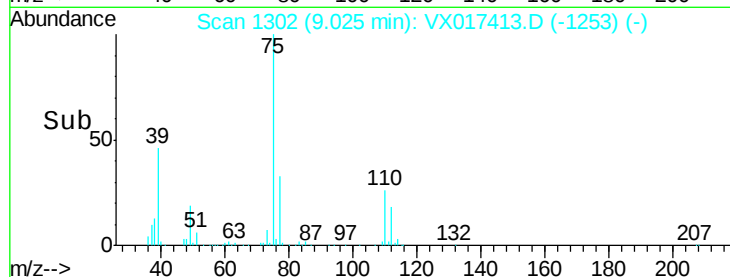
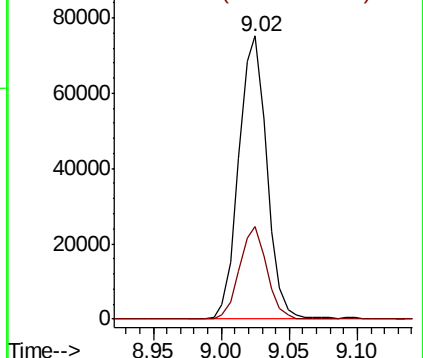
75 100

77 32.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.628 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

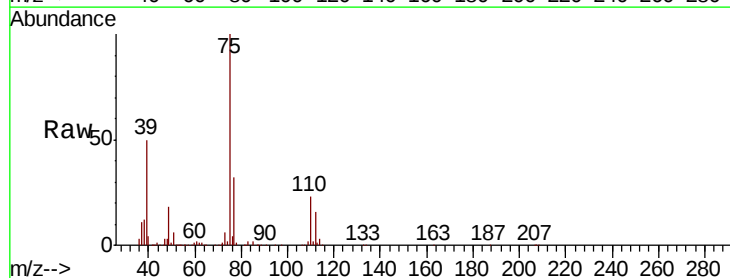
Tgt Ion: 75 Resp: 119846

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

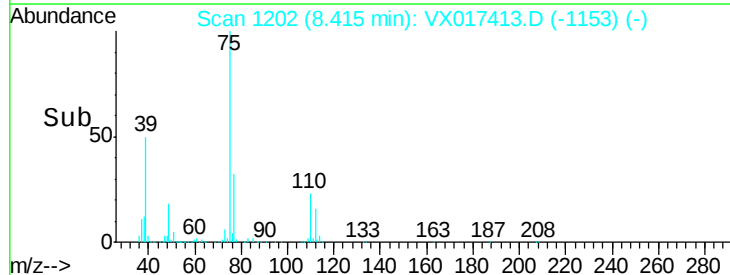
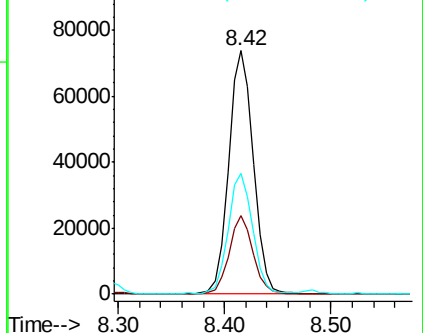
39 49.6 38.9 58.3

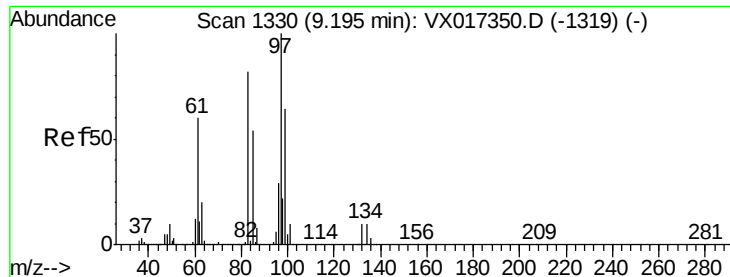


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

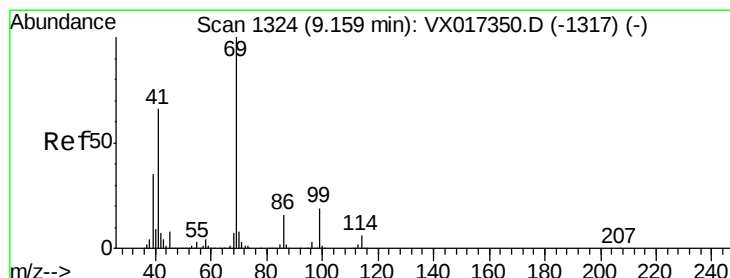
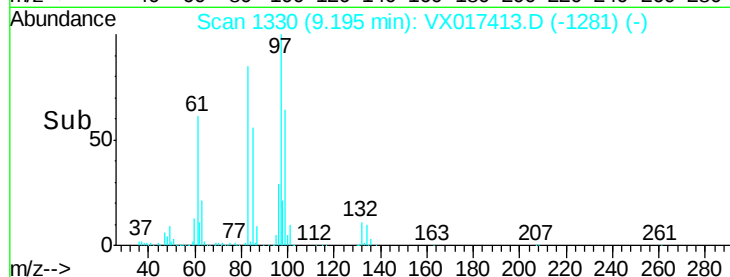
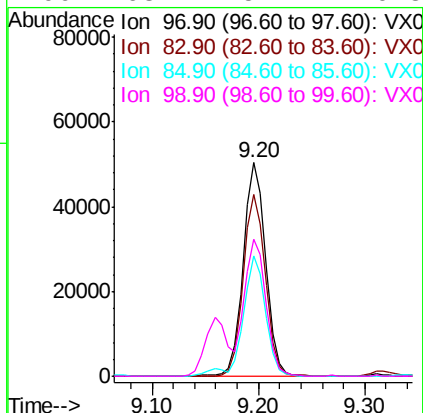
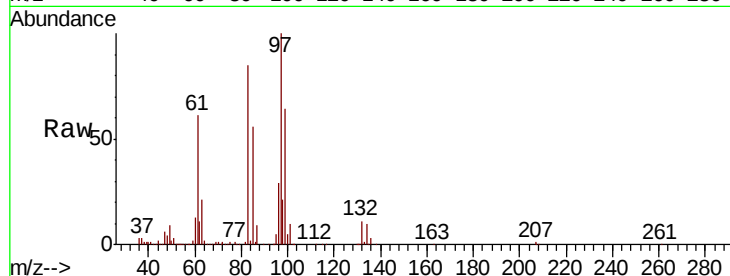




#55
 1,1,2-Trichloroethane
 Concen: 21.316 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

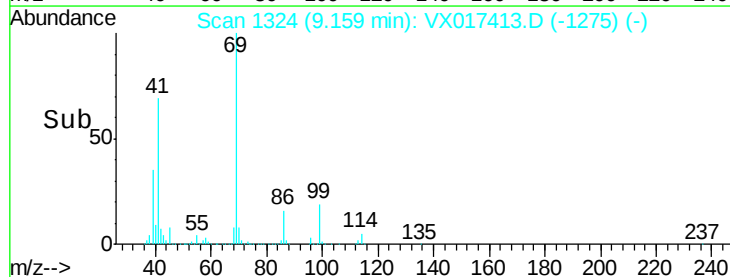
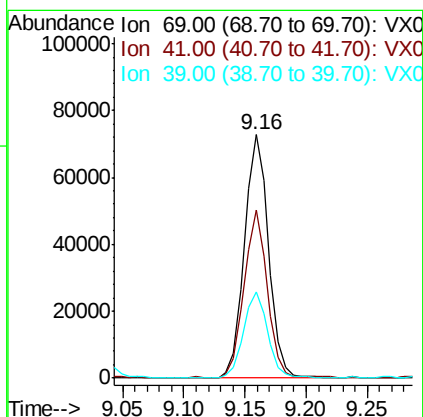
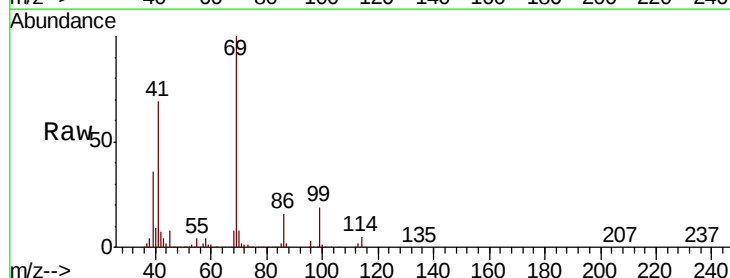
Instrument :
 MSVOA_X
 ClientSampleId :

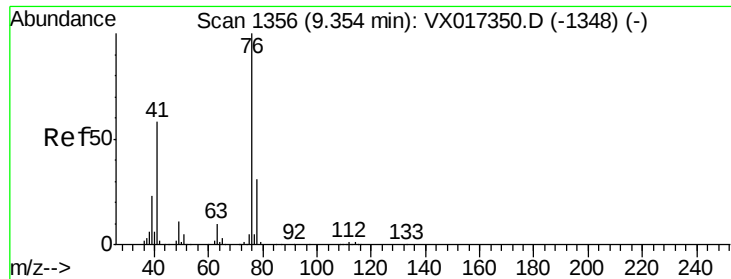
Tot Ion:	97	Resp:	74755
Ion	Ratio	Lower	Upper
97	100		
83	85.1	65.8	98.6
85	56.2	42.8	64.2
99	63.7	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 20.011 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion:	69	Resp:	99634
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.6	78.8
39	35.7	28.8	43.2





#57

1,3-Dichloropropane

Concen: 20.927 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

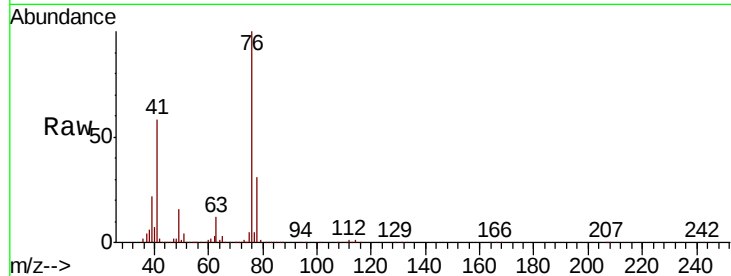
ClientSampleId :

Tot Ion: 76 Resp: 122085

Ion Ratio Lower Upper

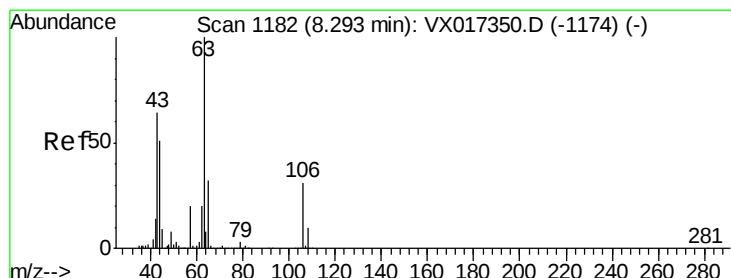
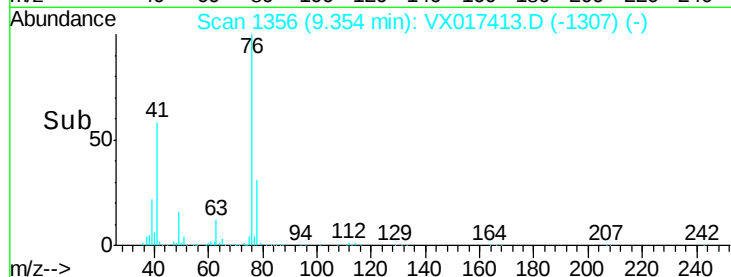
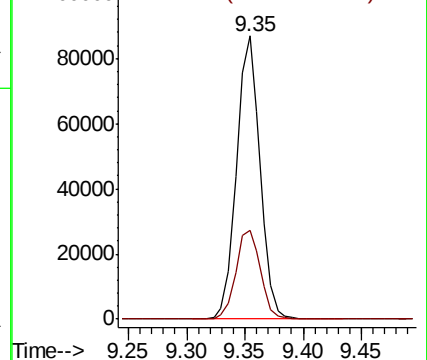
76 100

78 33.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 107.112 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017413.D

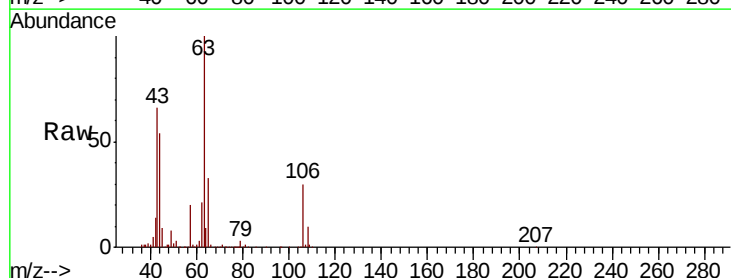
Acq: 17 Jul 2020 12:23

Tgt Ion: 63 Resp: 270793

Ion Ratio Lower Upper

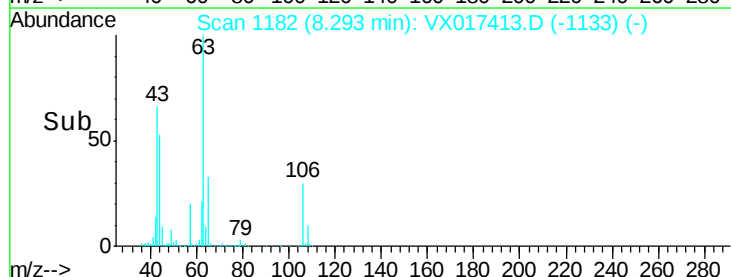
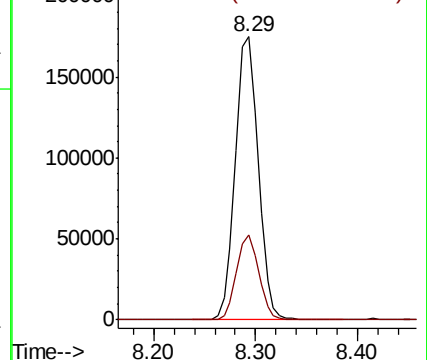
63 100

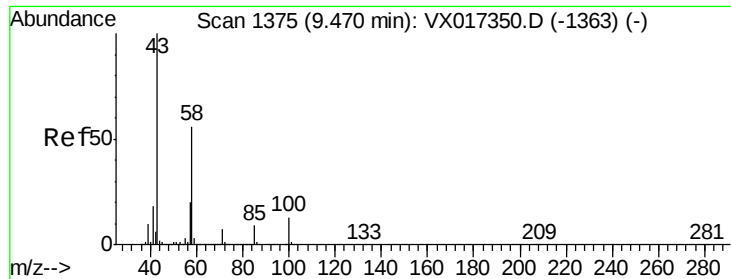
106 29.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

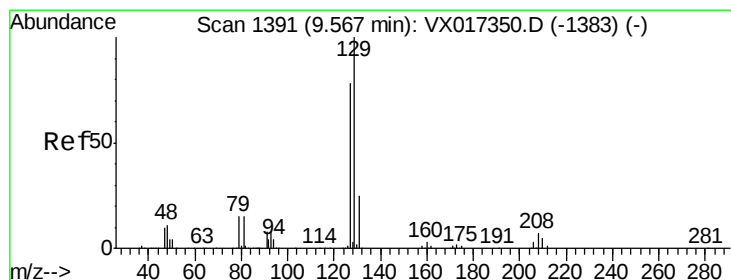
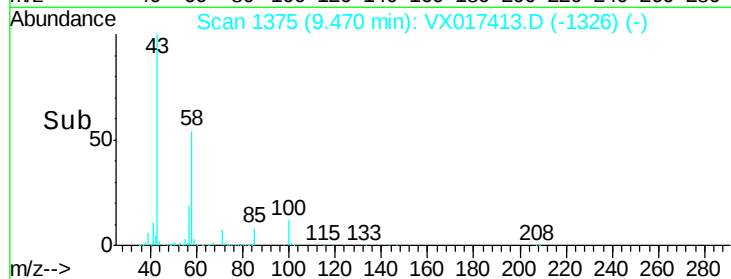
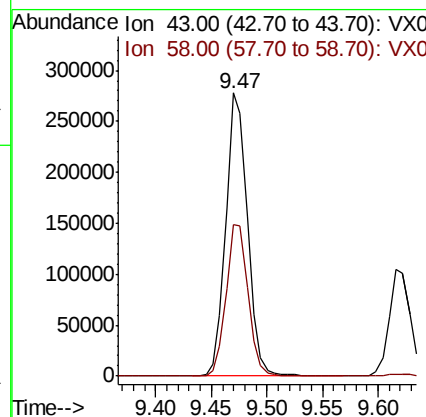
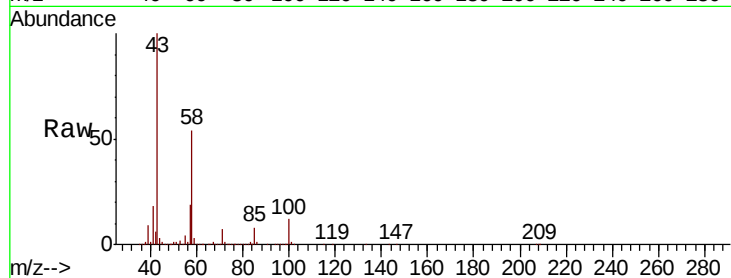




#59
2-Hexanone
Concen: 107.761 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

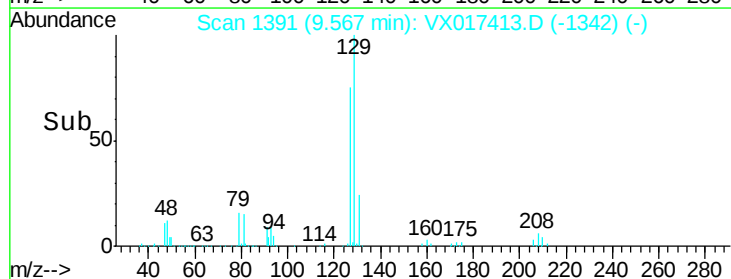
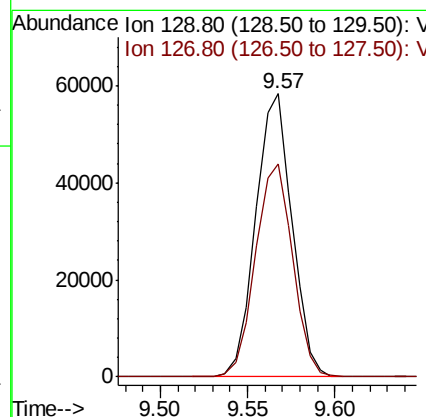
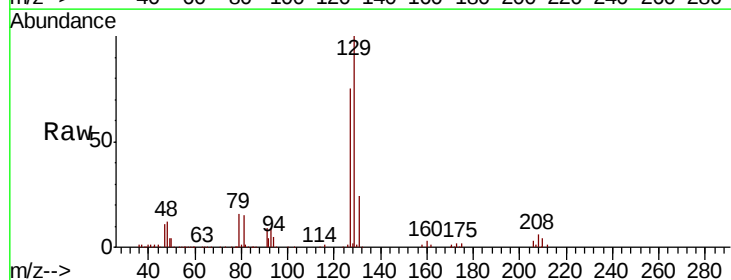
Instrument :
MSVOA_X
ClientSampleId :

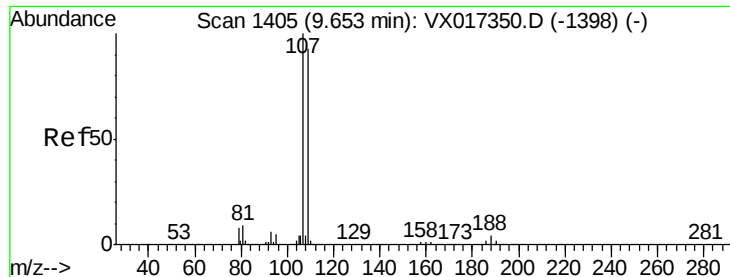
Tot Ion: 43 Resp: 373733
Ion Ratio Lower Upper
43 100
58 54.9 28.1 84.3



#60
Dibromochloromethane
Concen: 19.685 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 129 Resp: 84340
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.633 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

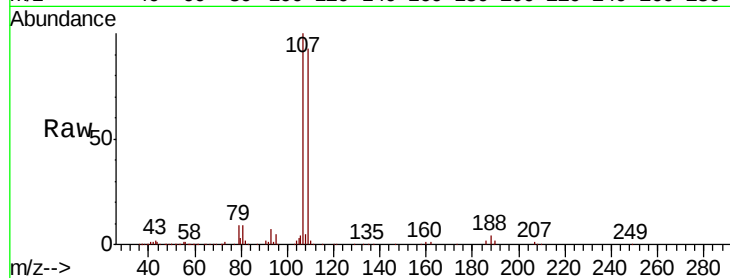
ClientSampleId :

Tot Ion:107 Resp: 78717

Ion Ratio Lower Upper

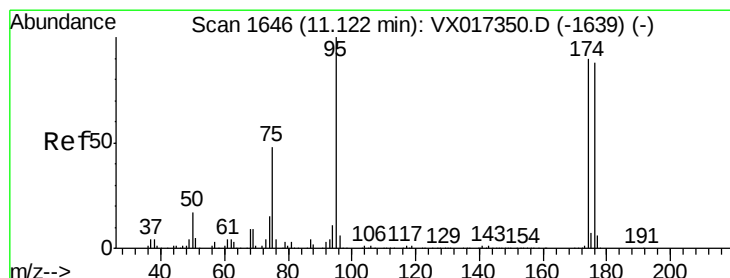
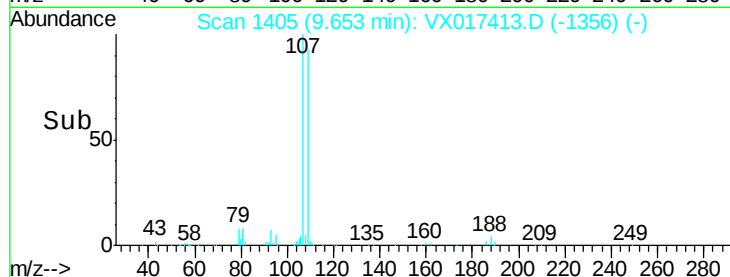
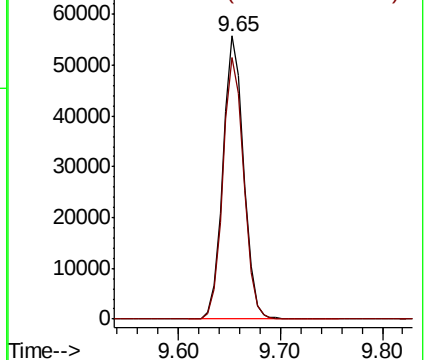
107 100

109 93.0 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.881 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

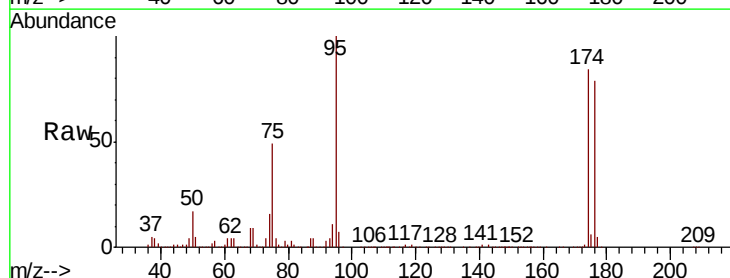
Tgt Ion: 95 Resp: 233907

Ion Ratio Lower Upper

95 100

174 83.4 0.0 175.8

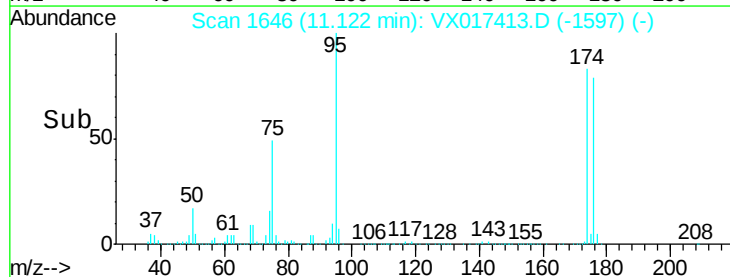
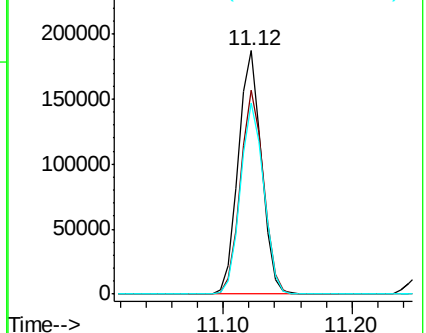
176 78.9 0.0 164.6

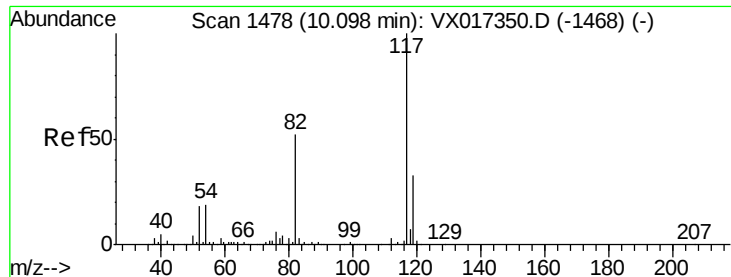


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

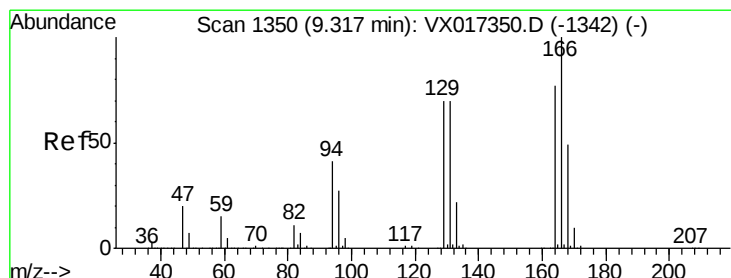
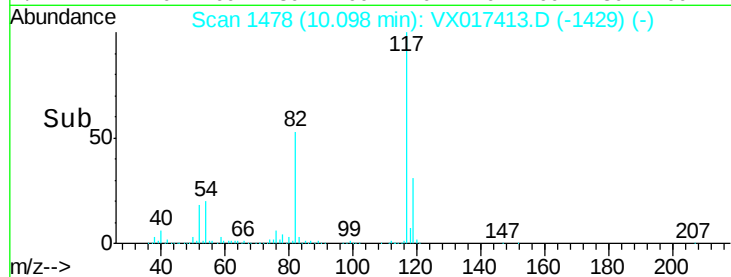
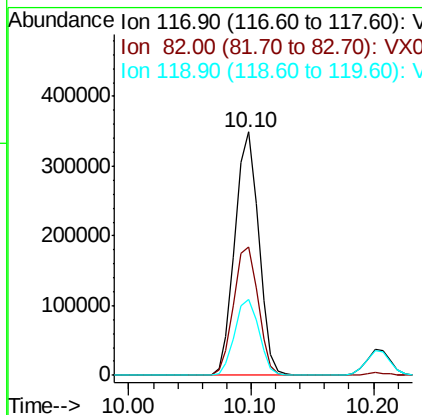
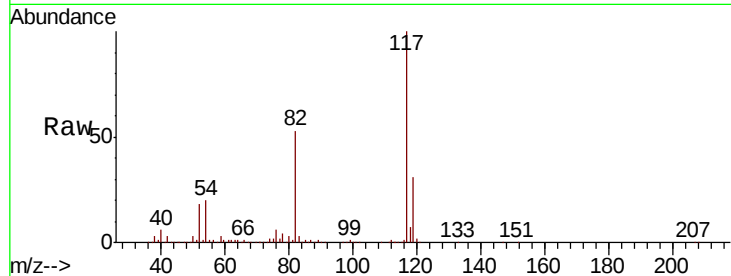




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

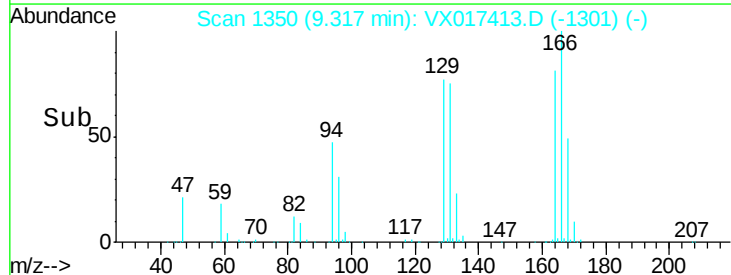
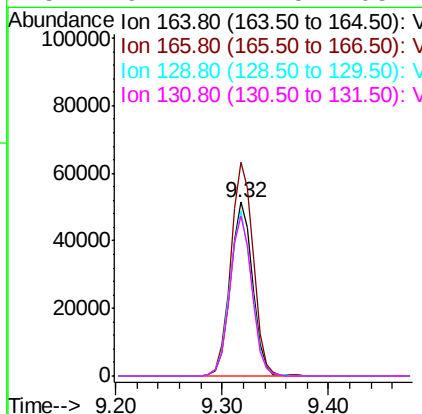
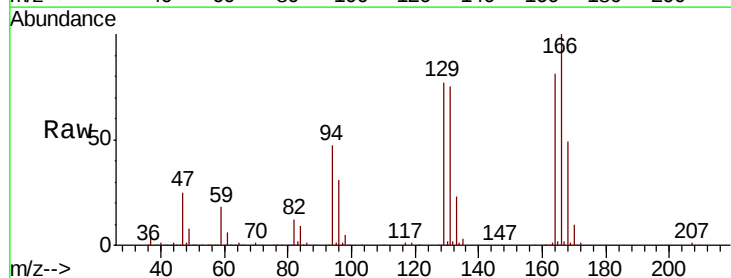
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 470706
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 31.0 26.3 39.5



#64
Tetrachloroethene
Concen: 18.327 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion:164 Resp: 74667
Ion Ratio Lower Upper
164 100
166 122.9 103.9 155.9
129 95.1 72.9 109.3
131 92.2 72.5 108.7

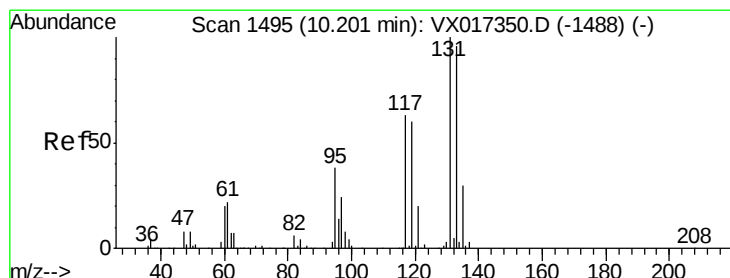
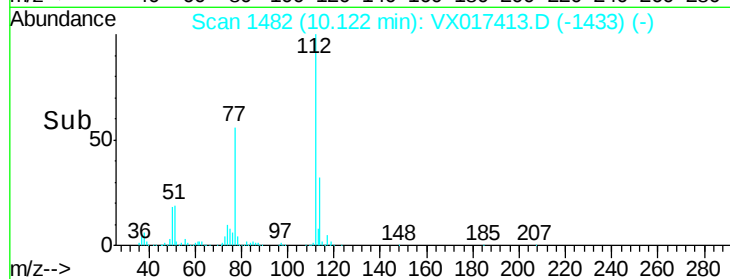
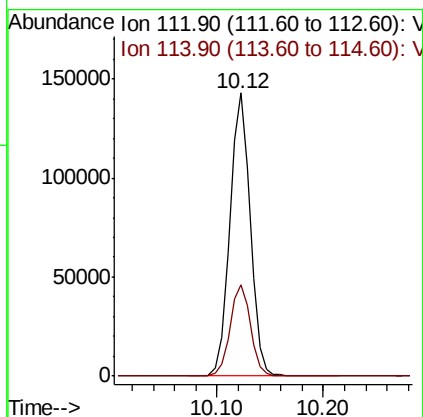
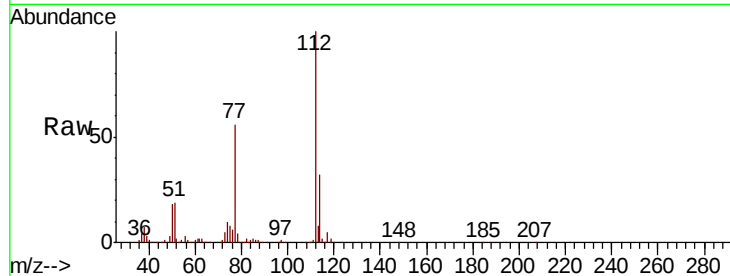




#65
Chlorobenzene
Concen: 20.044 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

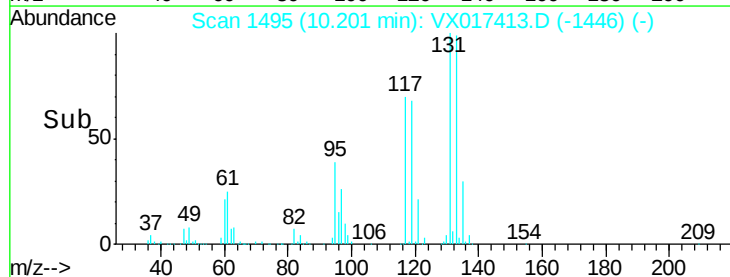
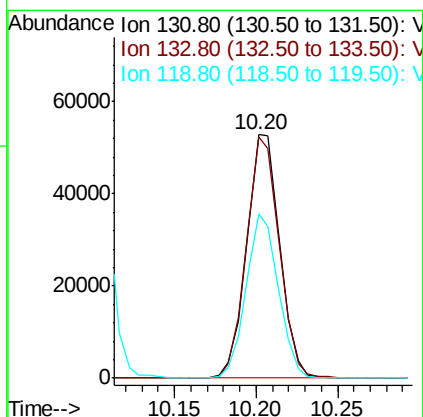
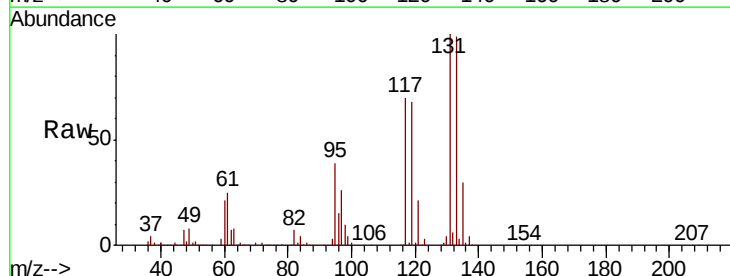
Instrument :
MSVOA_X
ClientSampleId :

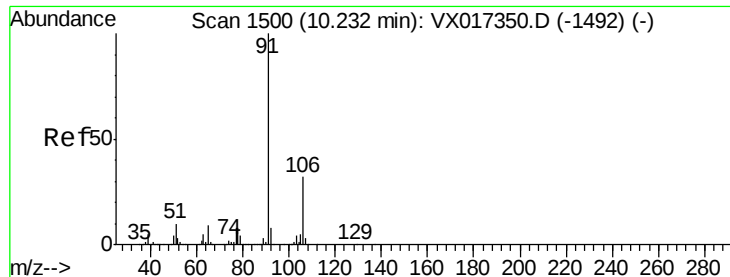
Tot Ion:112 Resp: 191732
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.677 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion:131 Resp: 74939
Ion Ratio Lower Upper
131 100
133 98.3 48.4 145.2
119 65.5 31.2 93.6

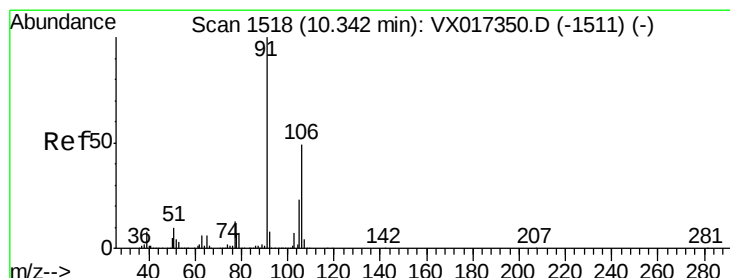
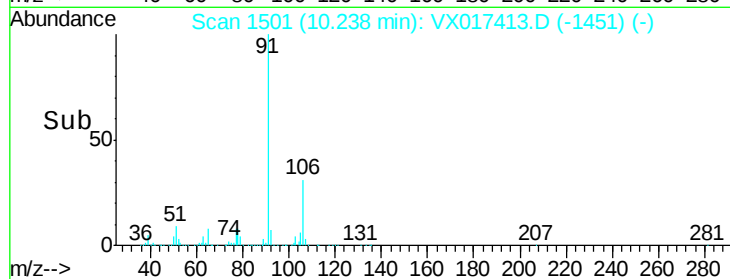
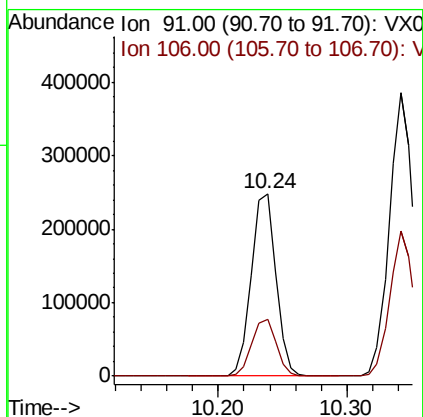
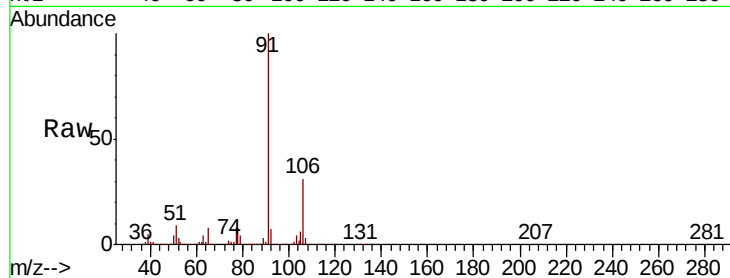




#67
Ethyl Benzene
Concen: 20.441 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

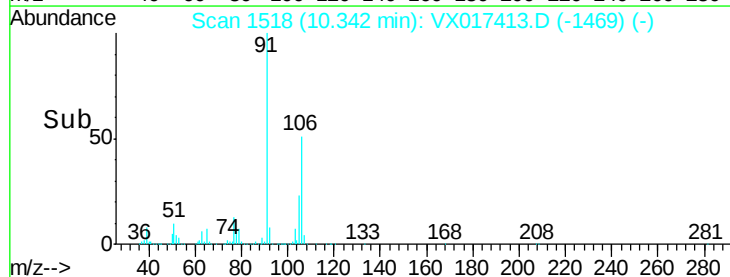
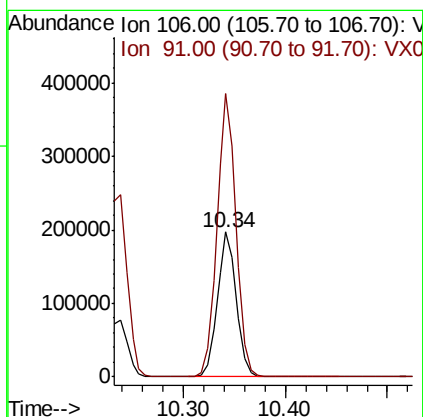
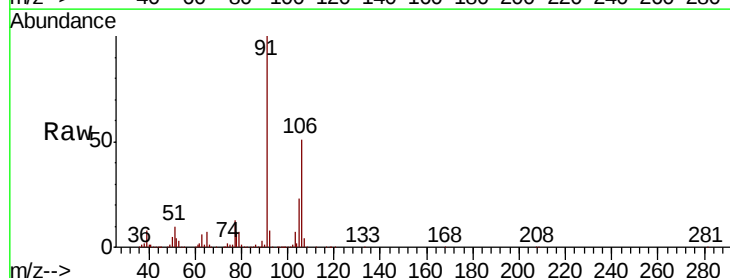
Instrument :
MSVOA_X
ClientSampleId :

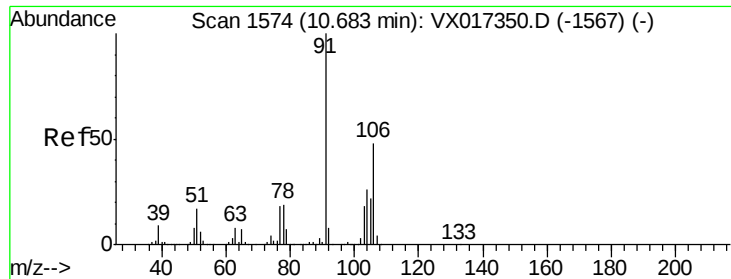
Tot Ion: 91 Resp: 325512
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5



#68
m/p-Xylenes
Concen: 42.230 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 106 Resp: 255870
Ion Ratio Lower Upper
106 100
91 196.3 162.5 243.7

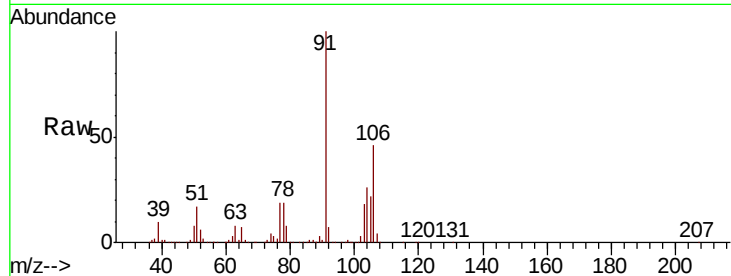




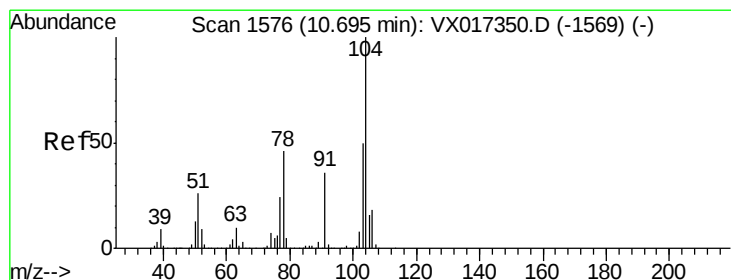
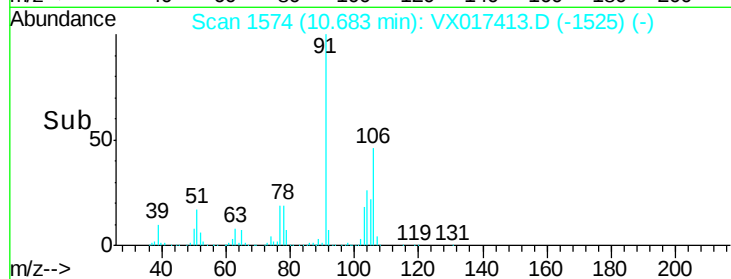
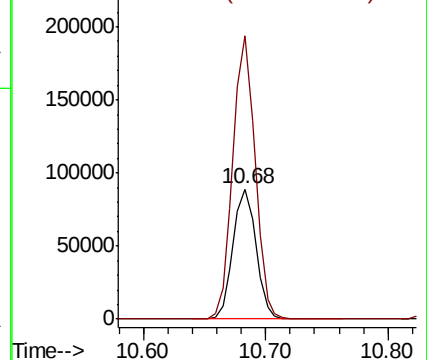
#69
o-Xylene
Concen: 19.932 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 115396
Ion Ratio Lower Upper
106 100
91 211.3 106.1 318.1

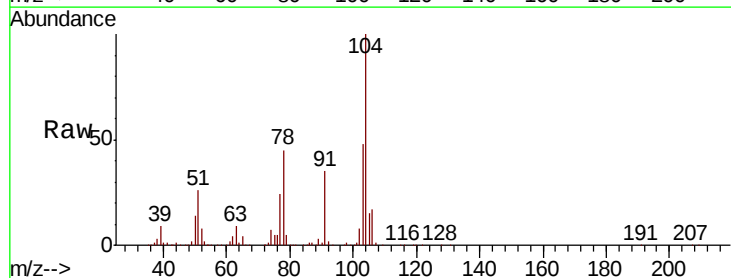


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

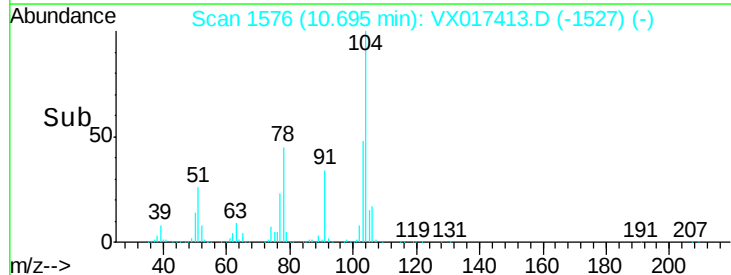
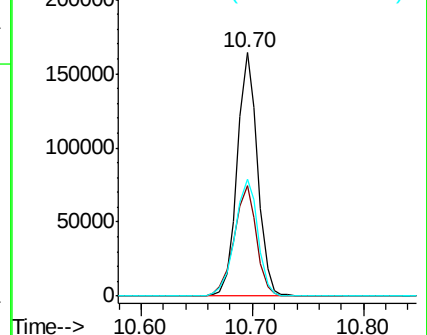


#70
Styrene
Concen: 20.915 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion:104 Resp: 207854
Ion Ratio Lower Upper
104 100
78 49.7 40.8 61.2
103 54.2 43.3 64.9



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





#71

Bromoform

Concen: 19.162 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

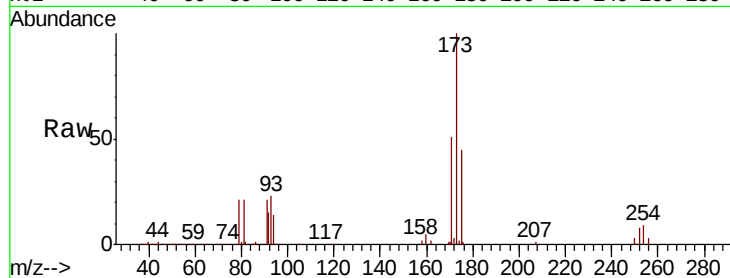
Tot Ion:173 Resp: 61580

Ion Ratio Lower Upper

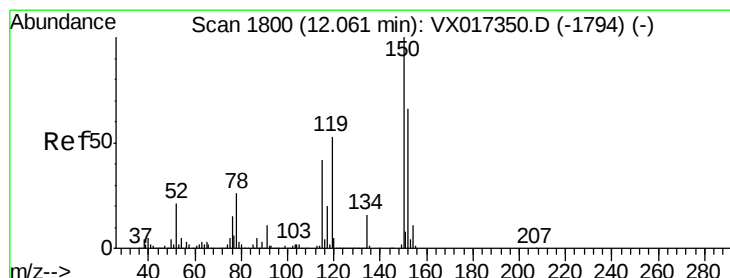
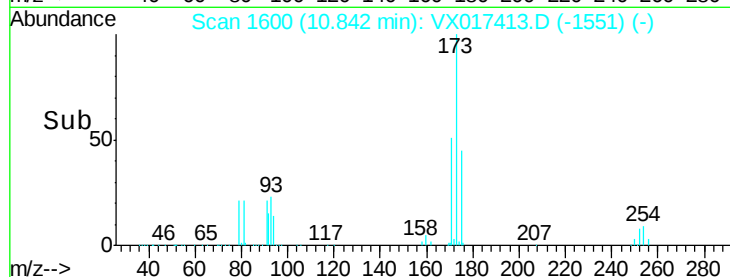
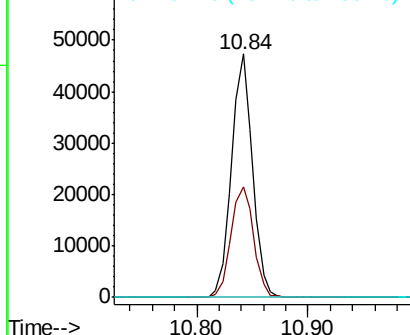
173 100

175 48.9 24.7 74.1

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

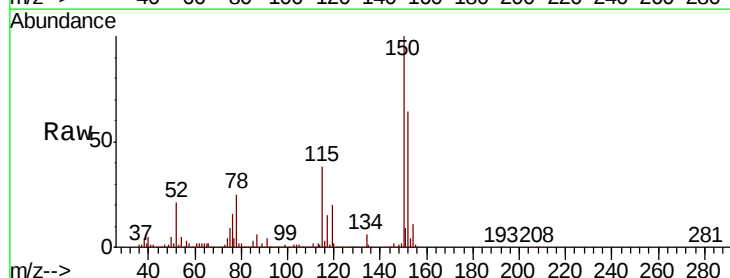
Tgt Ion:152 Resp: 250282

Ion Ratio Lower Upper

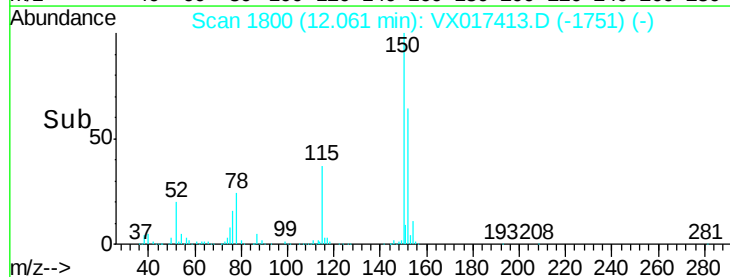
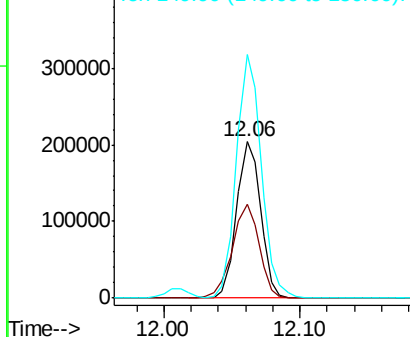
152 100

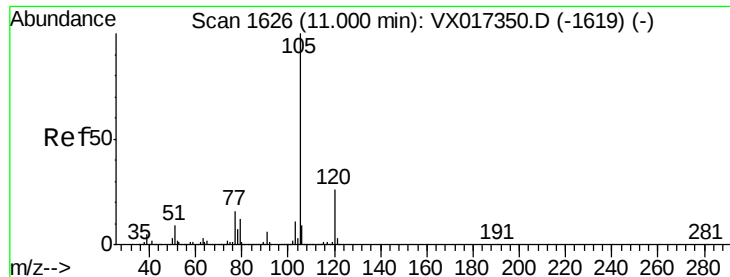
115 66.7 39.9 119.7

150 162.5 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.471 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

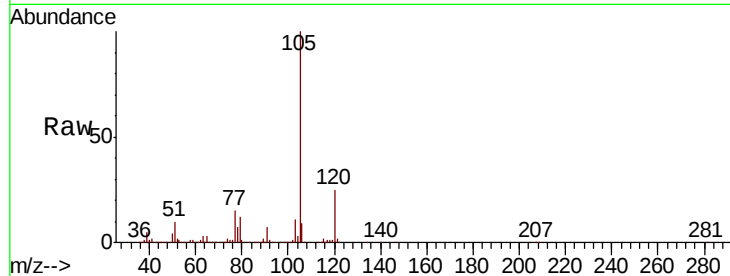
ClientSampled :

Tot Ion: 105 Resp: 321178

Ion Ratio Lower Upper

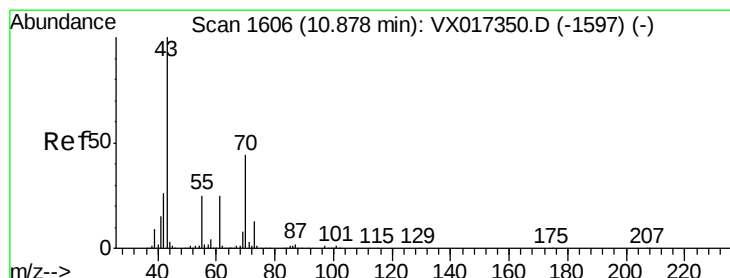
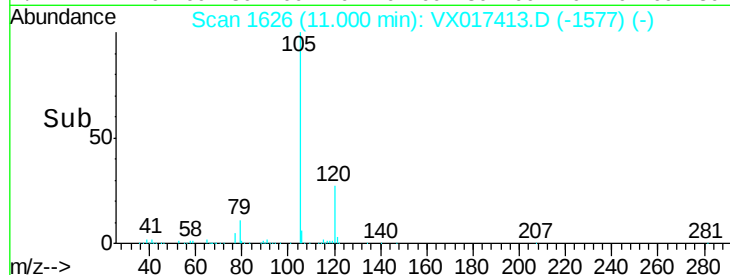
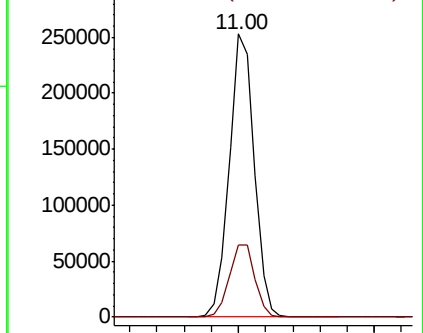
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.051 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Tgt Ion: 43 Resp: 132164

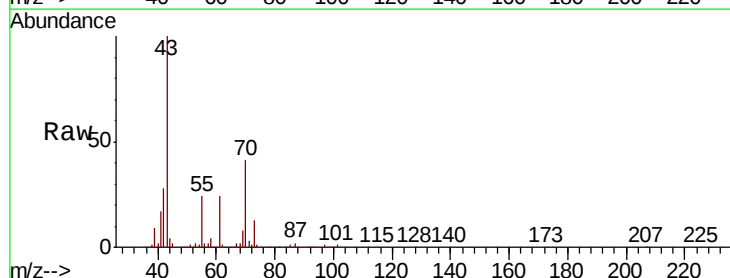
Ion Ratio Lower Upper

43 100

70 42.6 35.7 53.5

55 25.5 20.3 30.5

61 24.5 20.0 30.0

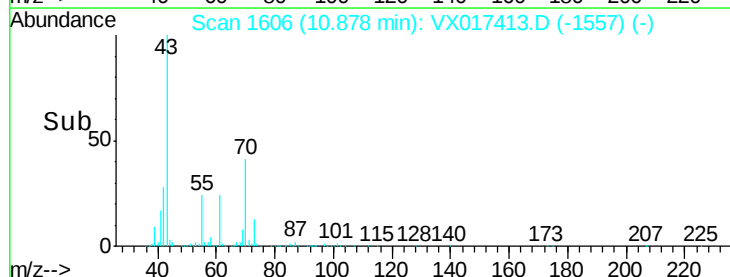
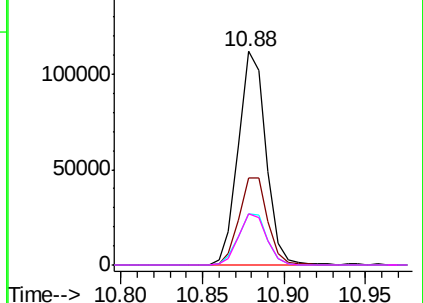


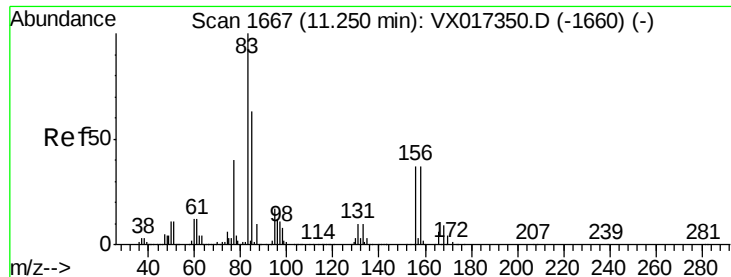
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.465 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

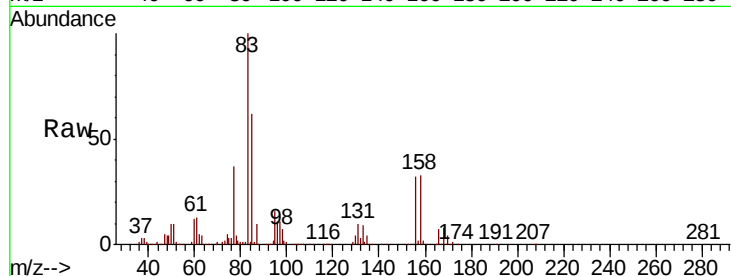
Tot Ion: 83 Resp: 107015

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.7

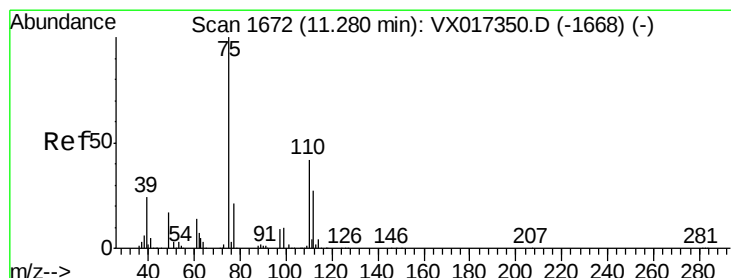
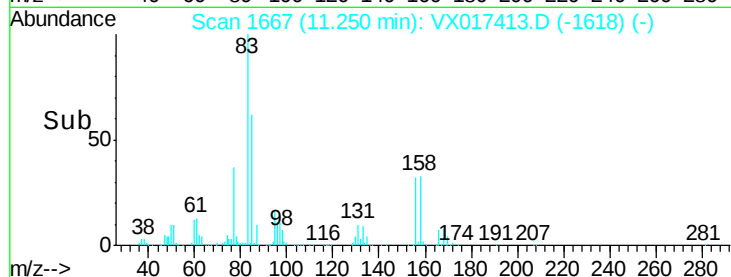
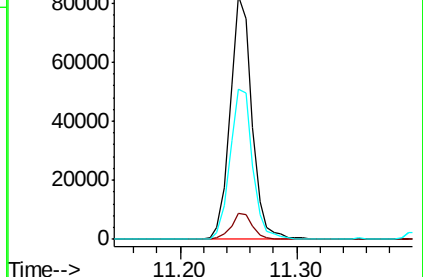
85 64.3 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.502 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017413.D

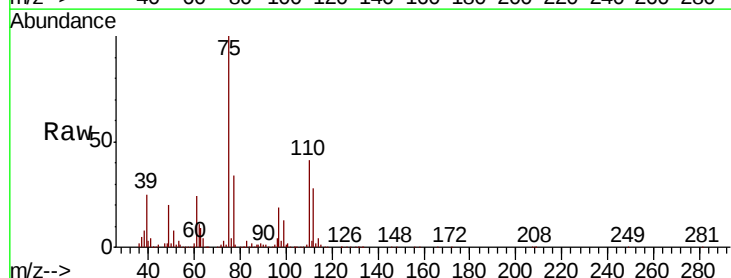
Acq: 17 Jul 2020 12:23

Tgt Ion: 75 Resp: 127190

Ion Ratio Lower Upper

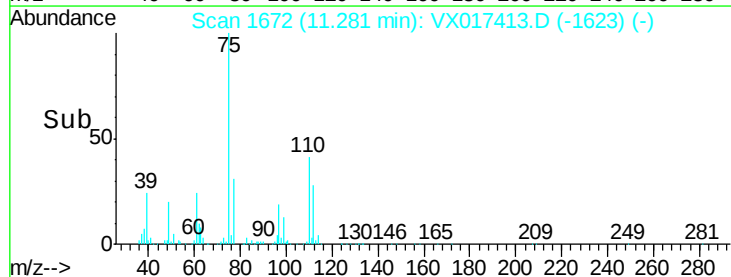
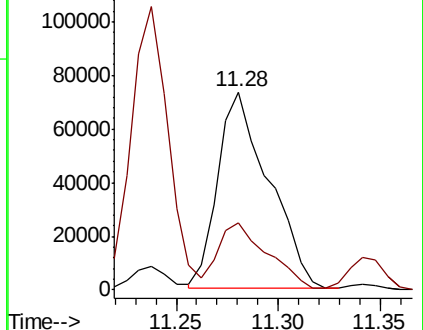
75 100

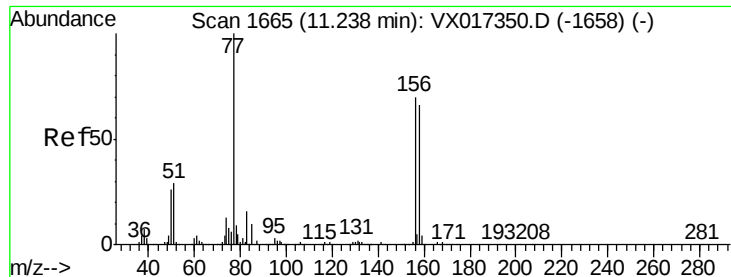
77 33.2 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.081 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

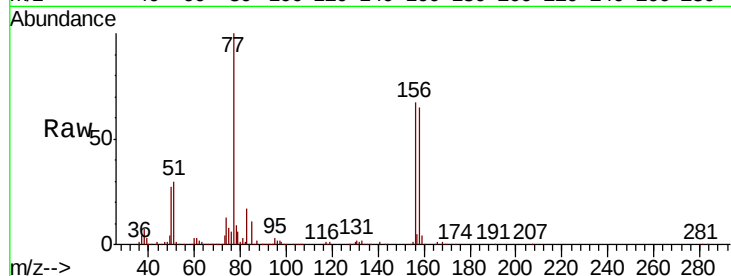
Tot Ion:156 Resp: 89733

Ion Ratio Lower Upper

156 100

77 149.5 72.1 216.3

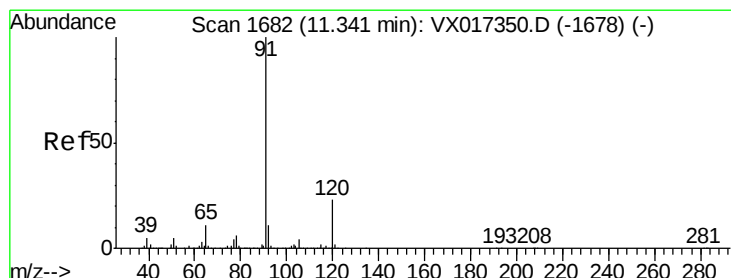
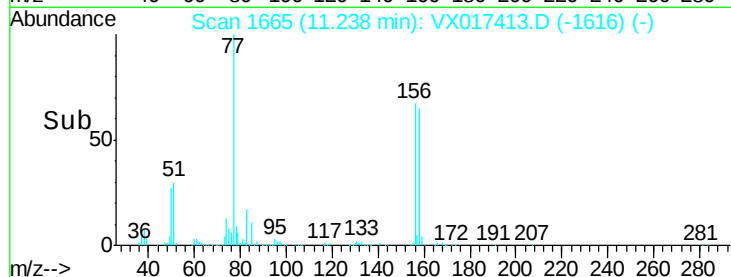
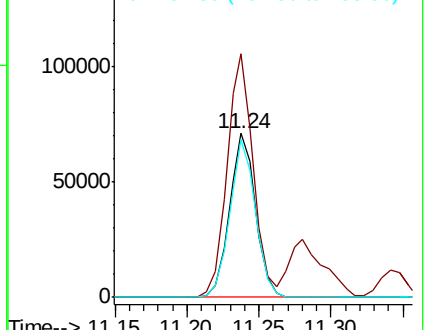
158 95.2 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.018 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX017413.D

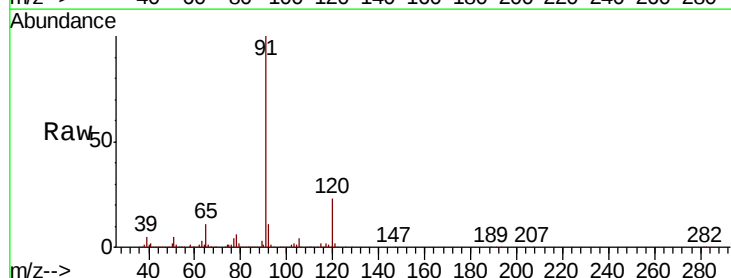
Acq: 17 Jul 2020 12:23

Tgt Ion: 91 Resp: 370340

Ion Ratio Lower Upper

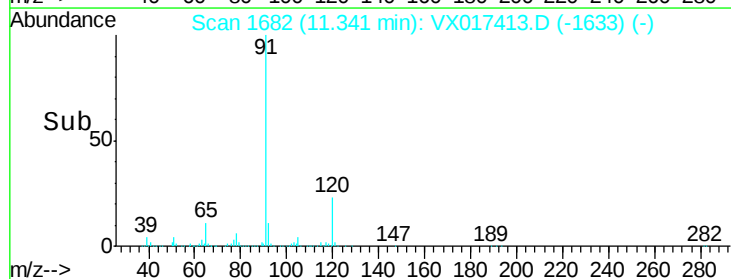
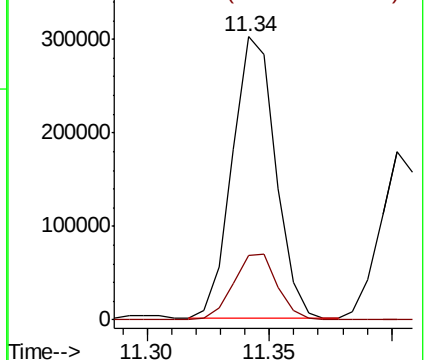
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.628 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

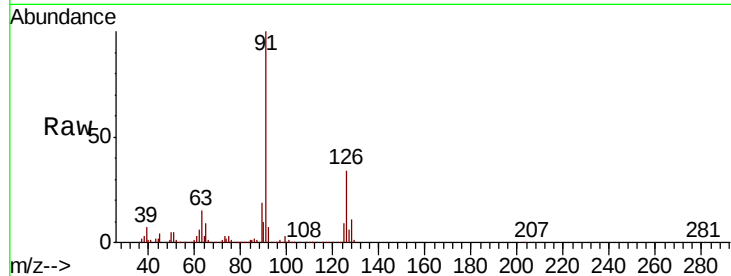
ClientSampleId :

Tot Ion: 91 Resp: 223990

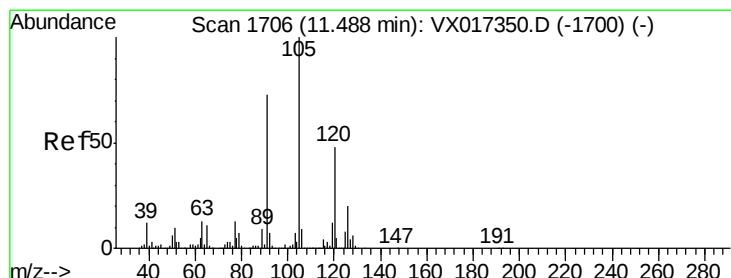
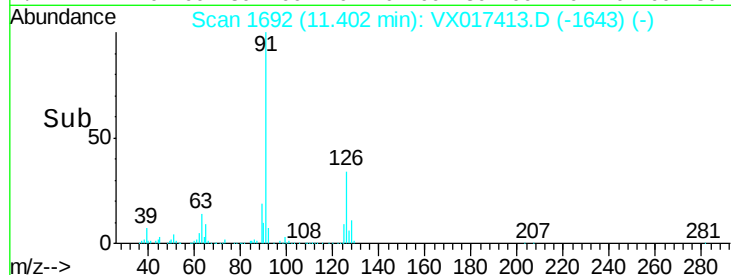
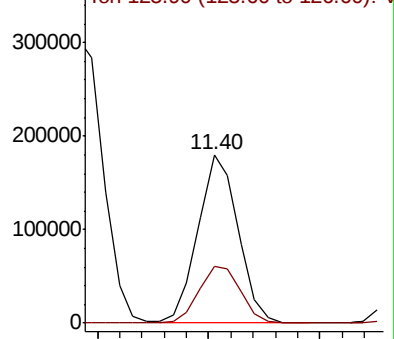
Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1687) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.635 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017413.D

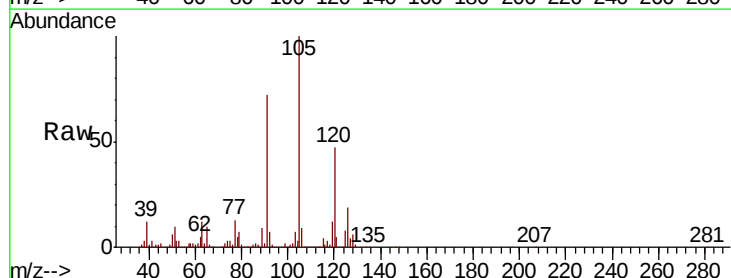
Acq: 17 Jul 2020 12:23

Tgt Ion: 105 Resp: 274820

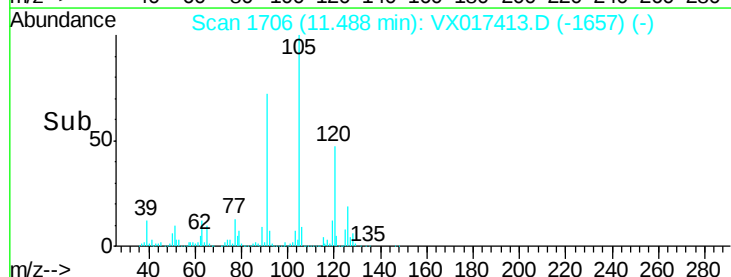
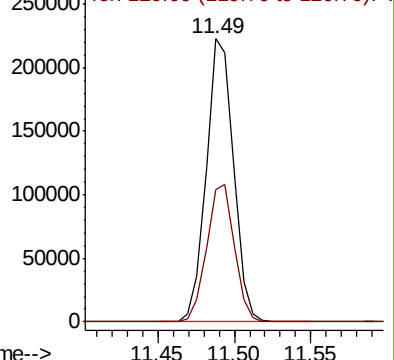
Ion Ratio Lower Upper

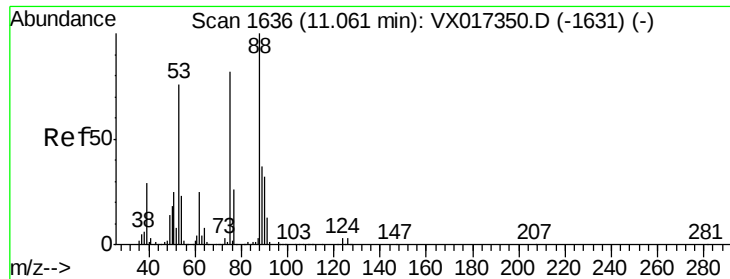
105 100

120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX017350.D (-1700) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.087 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

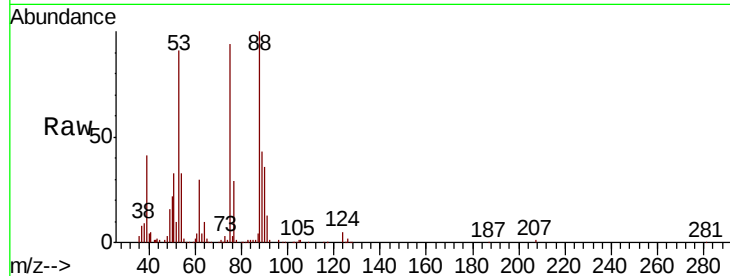
Tot Ion: 75 Resp: 36620

Ion Ratio Lower Upper

75 100

53 97.7 76.5 114.7

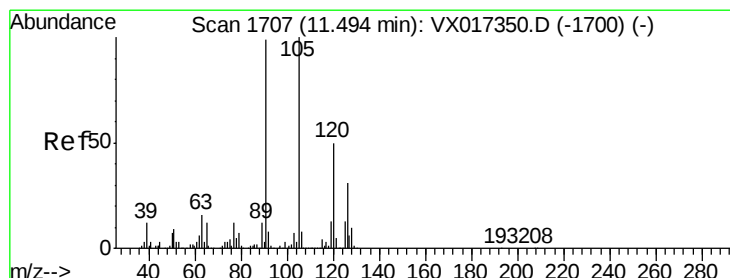
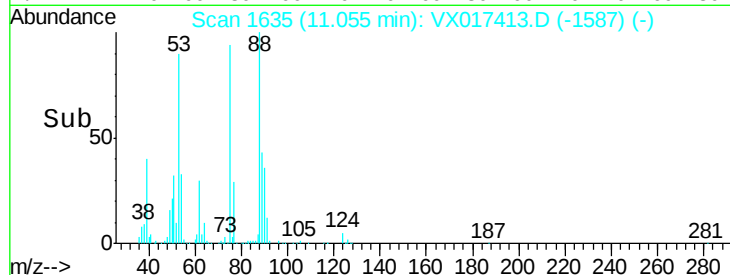
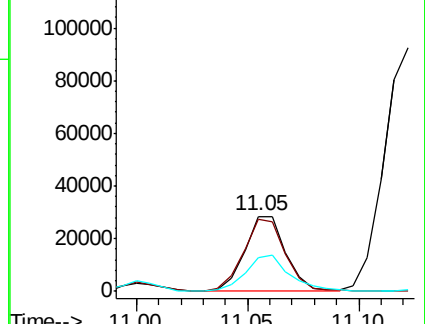
89 51.8 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.955 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017413.D

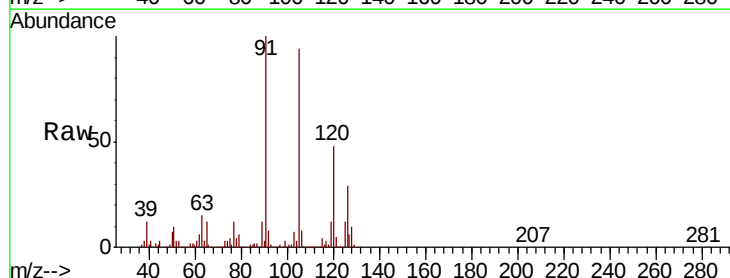
Acq: 17 Jul 2020 12:23

Tgt Ion: 91 Resp: 269666

Ion Ratio Lower Upper

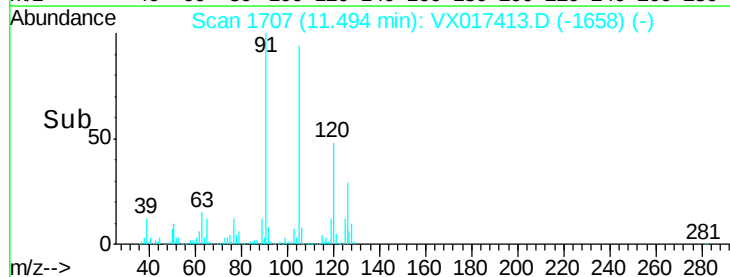
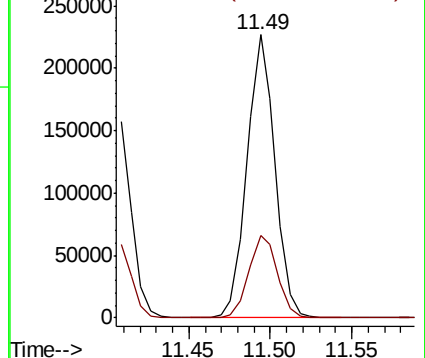
91 100

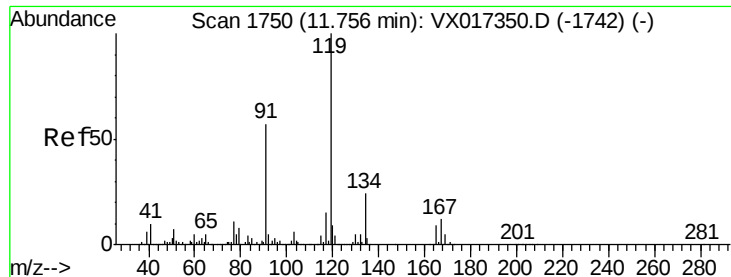
126 30.3 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

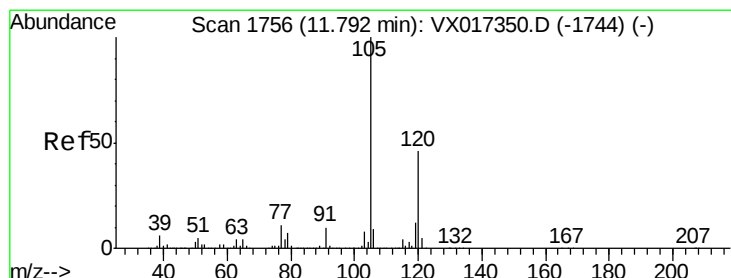
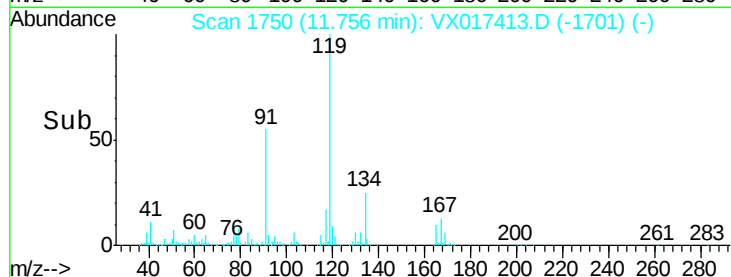
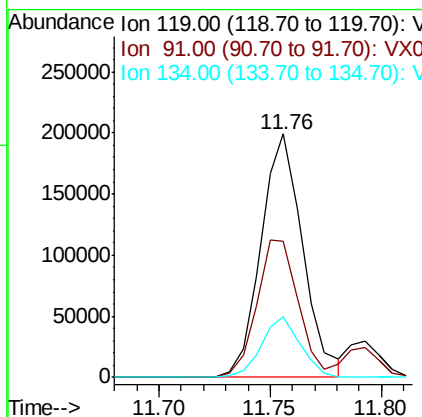
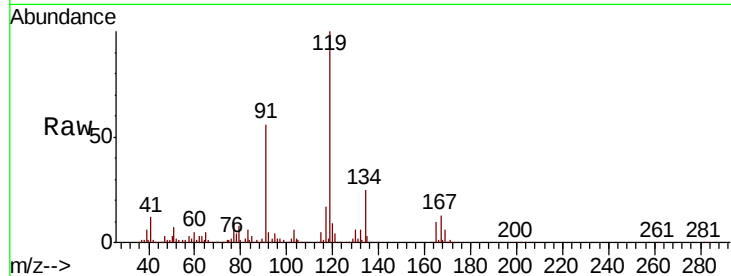




#83
tert-Butylbenzene
Concen: 20.190 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

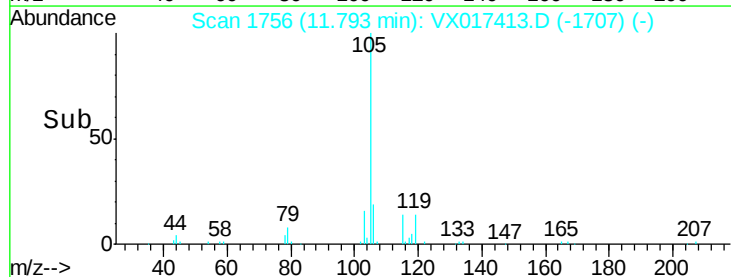
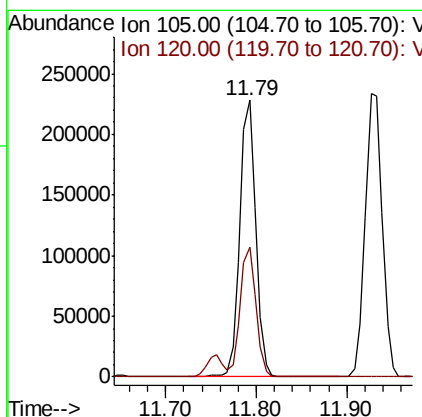
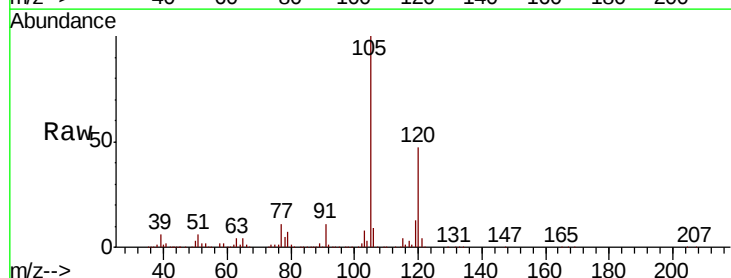
Instrument :
MSVOA_X
ClientSampleId :

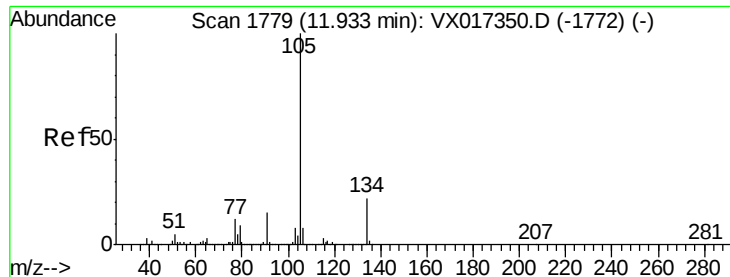
Tot Ion:119 Resp: 259932
Ion Ratio Lower Upper
119 100
91 55.8 28.5 85.6
134 23.3 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 20.739 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion:105 Resp: 279045
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4

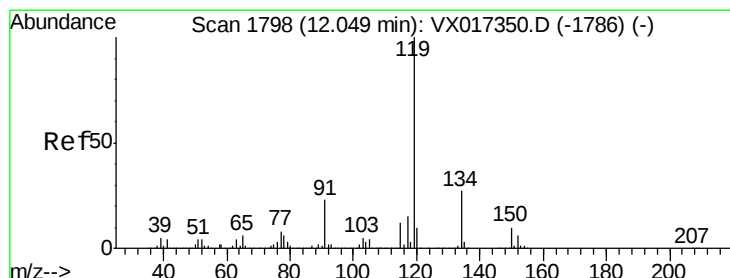
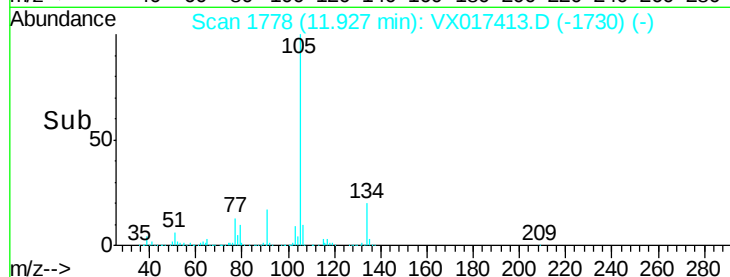
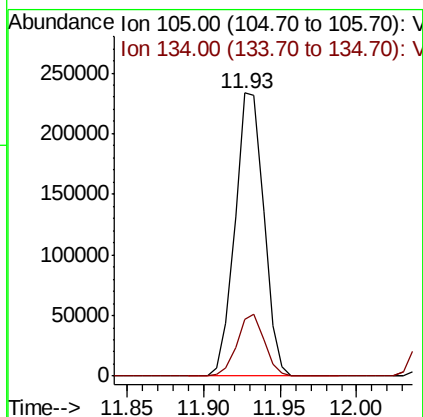
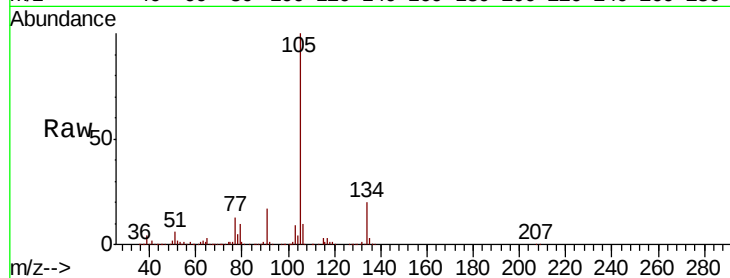




#85
 sec-Butylbenzene
 Concen: 20.239 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

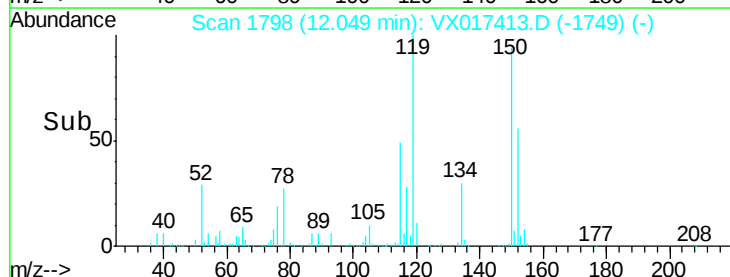
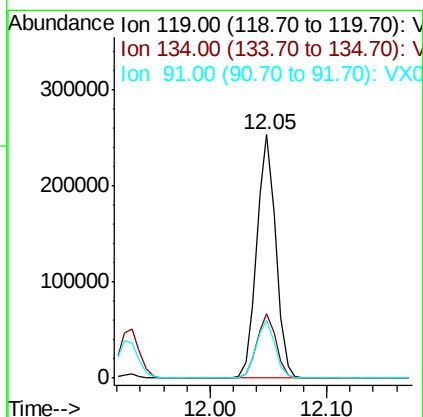
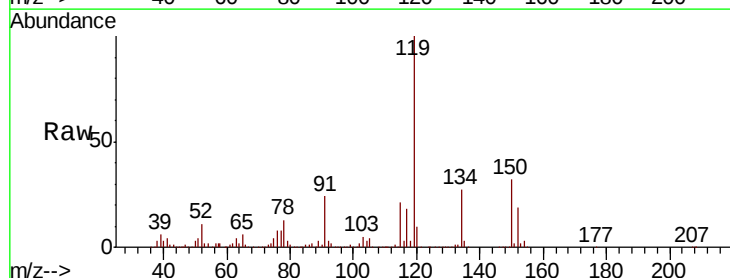
Instrument :
 MSVOA_X
 ClientSampleId :

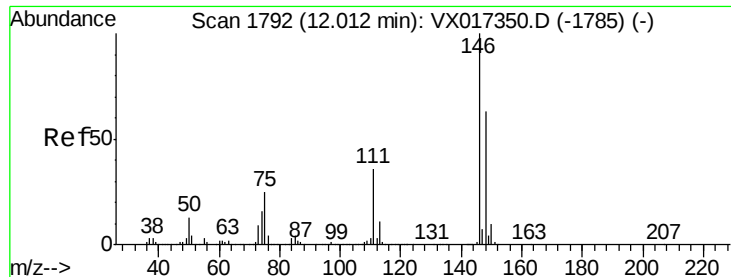
Tot Ion:105 Resp: 305049
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.298 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion:119 Resp: 289489
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.5
 91 23.7 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 19.733 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

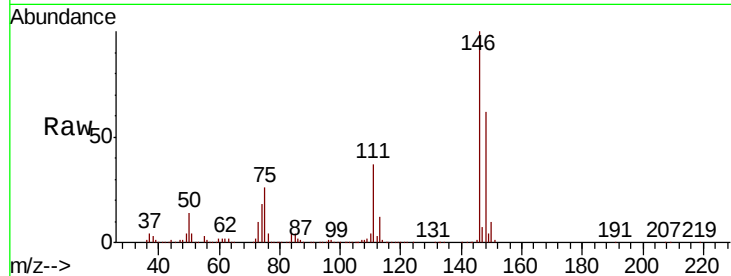
Tot Ion:146 Resp: 157742

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

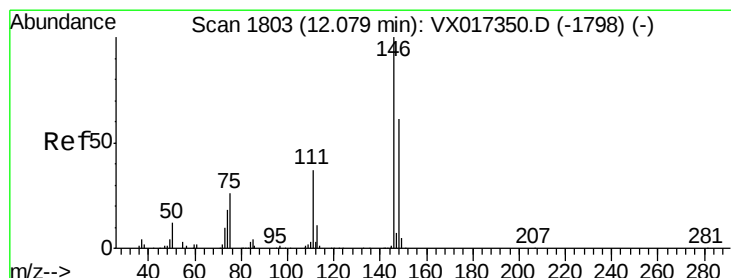
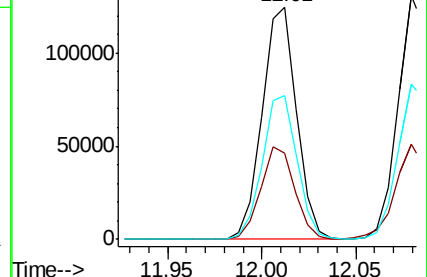
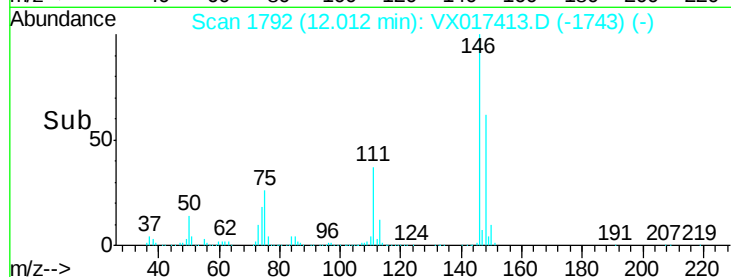
148 62.6 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.841 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

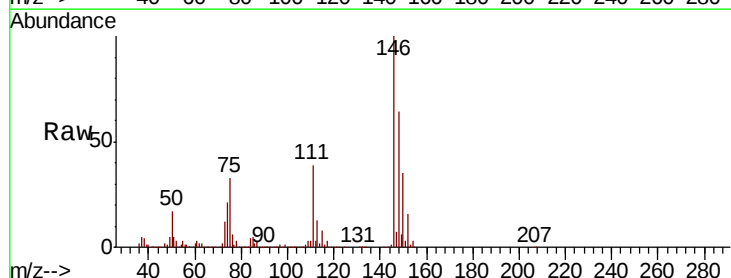
Tgt Ion:146 Resp: 160240

Ion Ratio Lower Upper

146 100

111 40.0 18.9 56.9

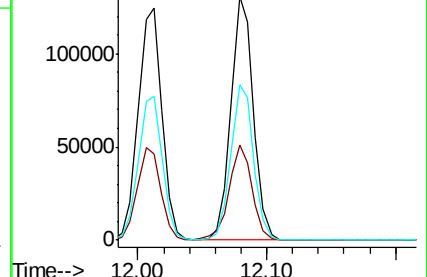
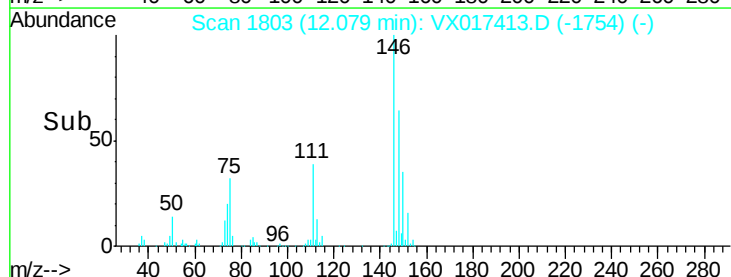
148 64.6 31.9 95.9

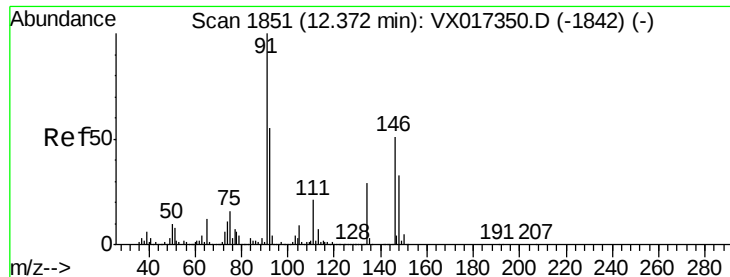


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

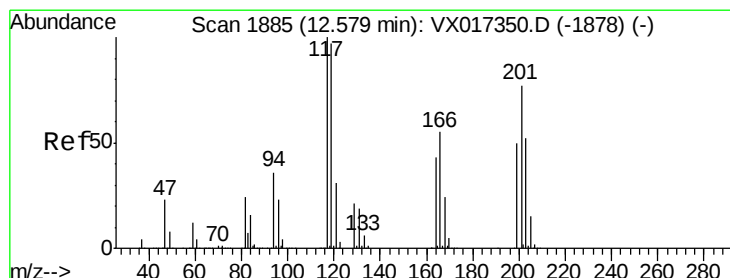
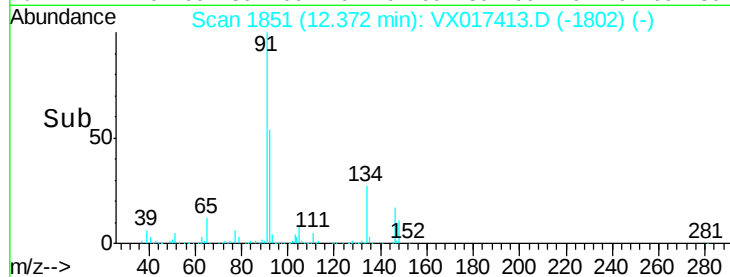
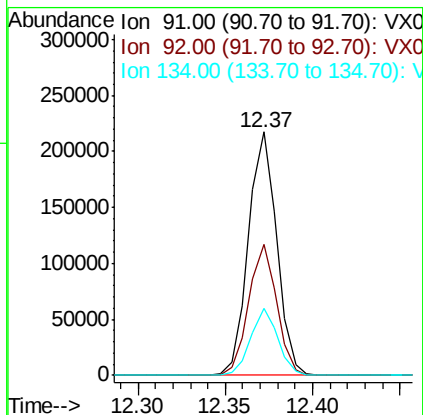
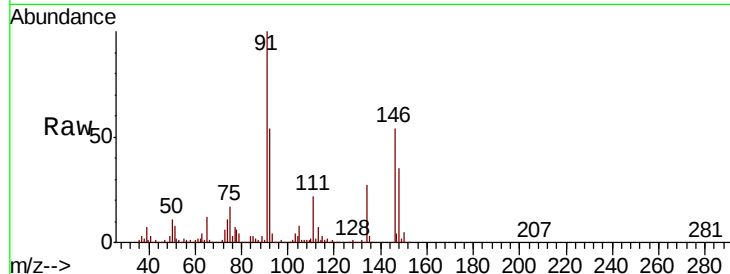




#89
n-Butylbenzene
Concen: 20.087 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

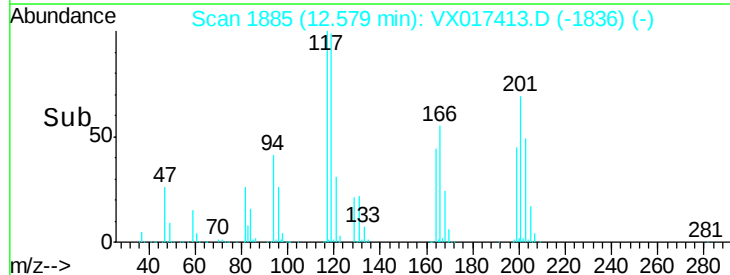
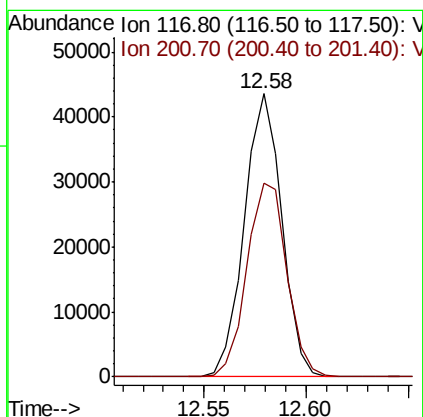
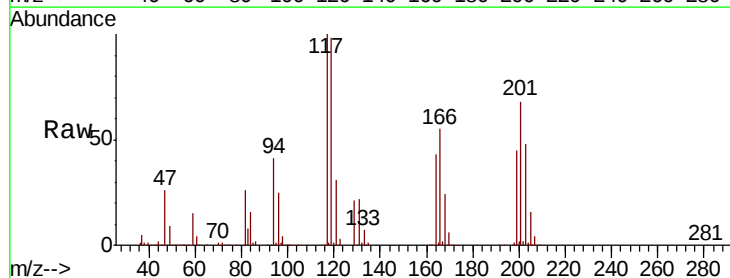
Instrument :
MSVOA_X
ClientSampleId :

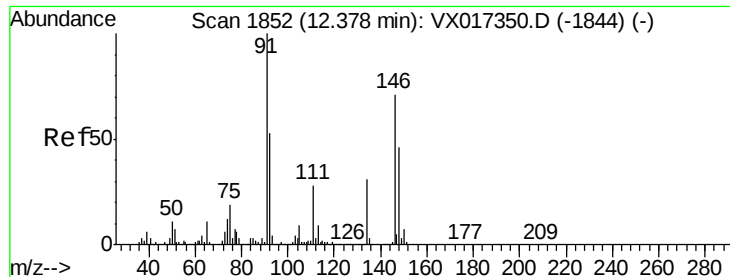
Tot Ion: 91 Resp: 244323
Ion Ratio Lower Upper
91 100
92 53.4 27.0 81.0
134 26.5 14.1 42.2



#90
Hexachloroethane
Concen: 20.515 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017413.D
Acq: 17 Jul 2020 12:23

Tgt Ion: 117 Resp: 55545
Ion Ratio Lower Upper
117 100
201 73.5 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 20.186 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

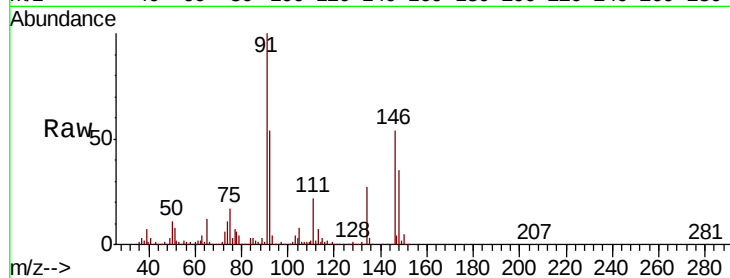
Tot Ion:146 Resp: 151637

Ion Ratio Lower Upper

146 100

111 41.2 20.3 61.0

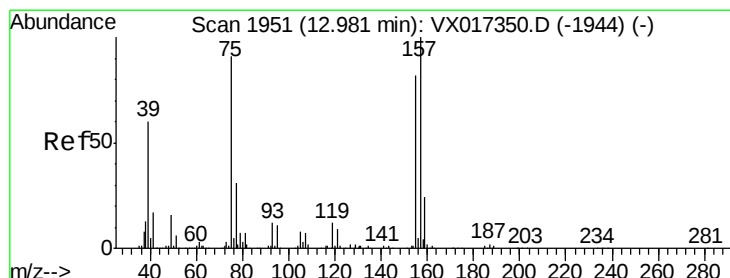
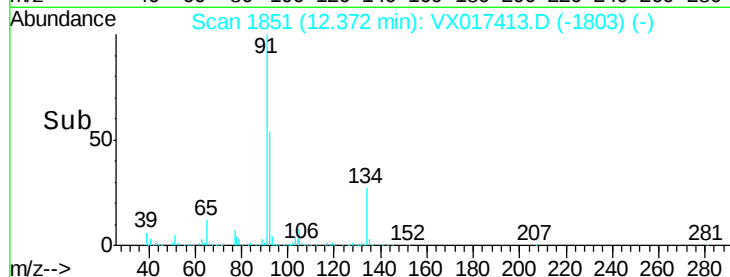
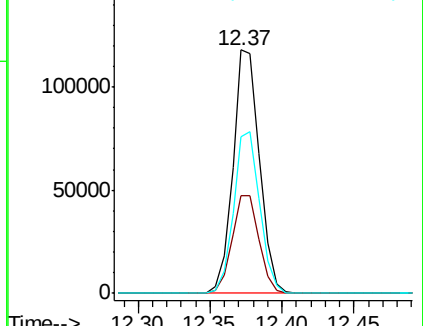
148 65.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.927 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

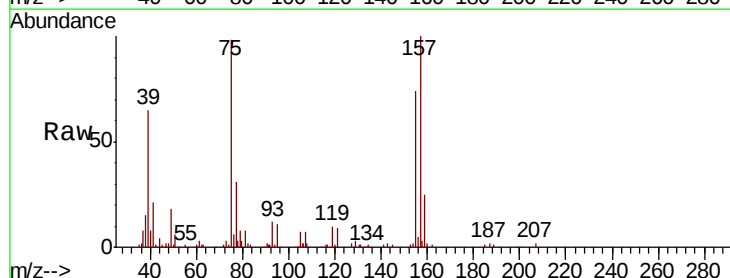
Tgt Ion: 75 Resp: 23791

Ion Ratio Lower Upper

75 100

155 82.6 46.5 139.3

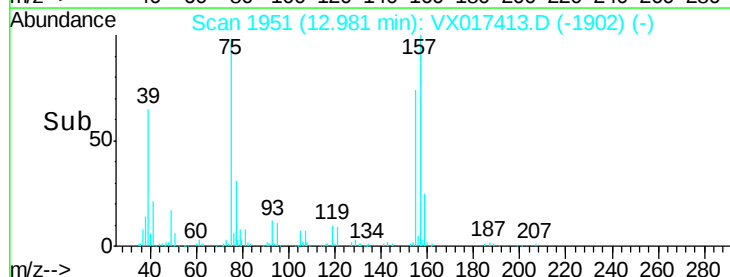
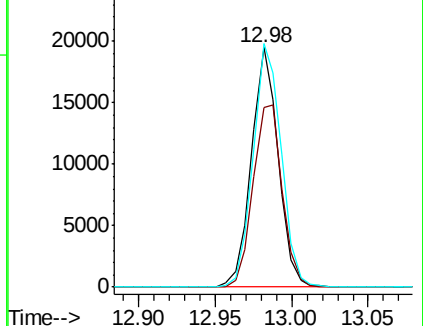
157 106.1 58.0 173.9

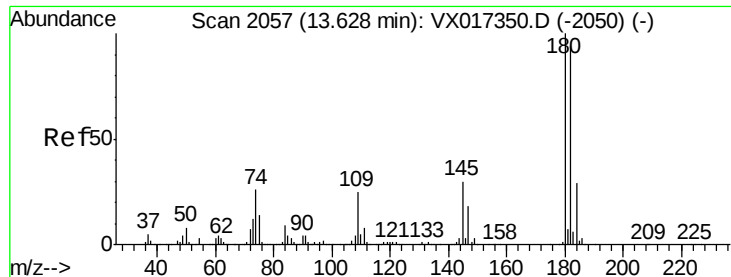


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

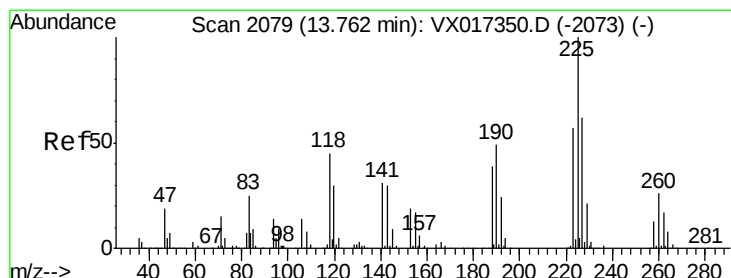
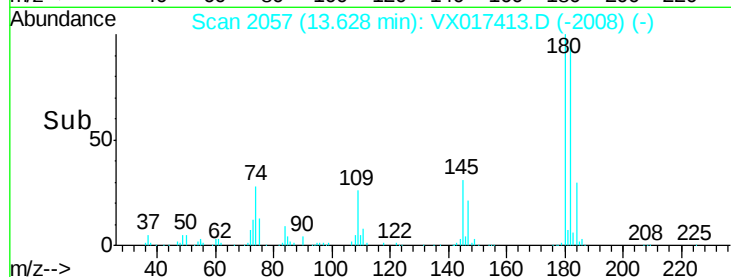
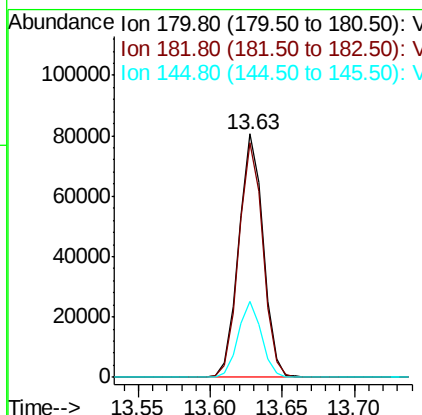
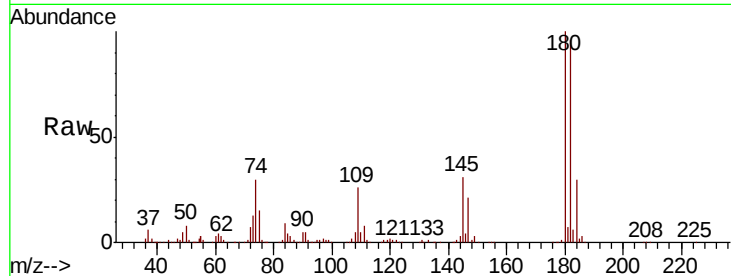




#93
 1,2,4-Trichlorobenzene
 Concen: 18.255 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

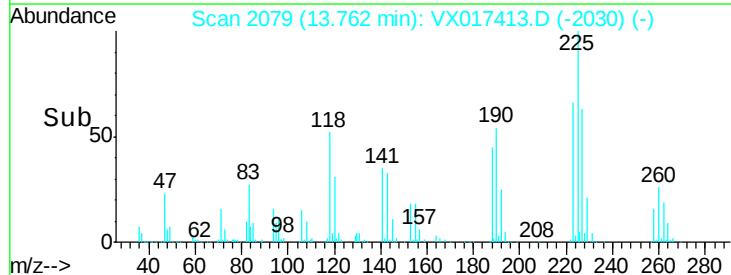
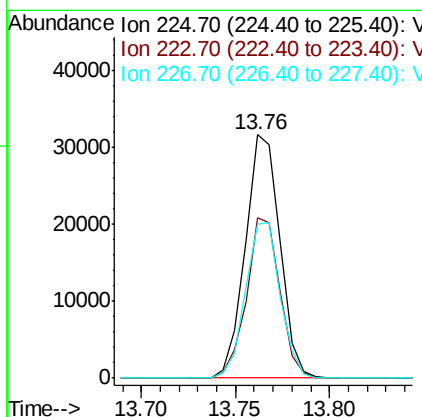
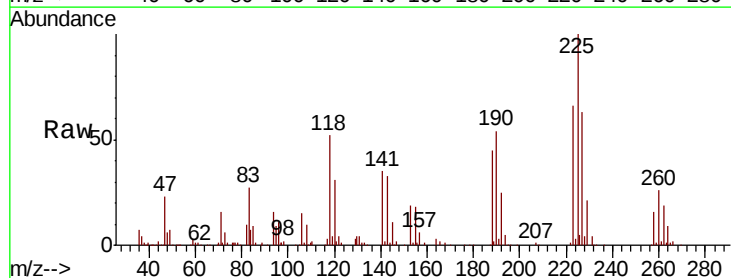
Instrument :
 MSVOA_X
 ClientSampleId :

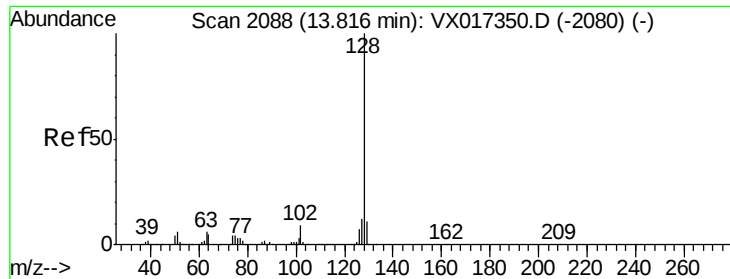
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.0
145	29.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 18.924 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX017413.D
 Acq: 17 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	63.9	31.6	95.0





#95

Naphthalene

Concen: 19.001 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

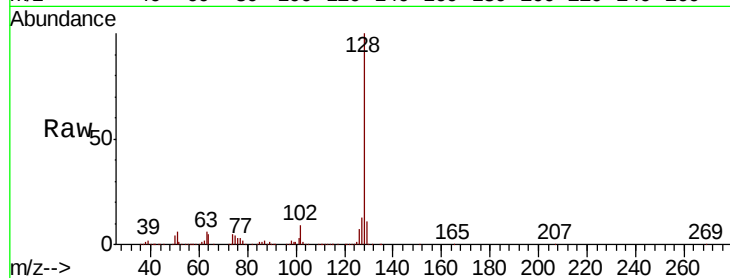
Tot Ion:128 Resp: 291333

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

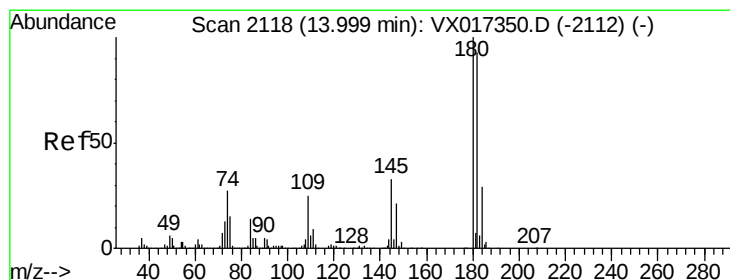
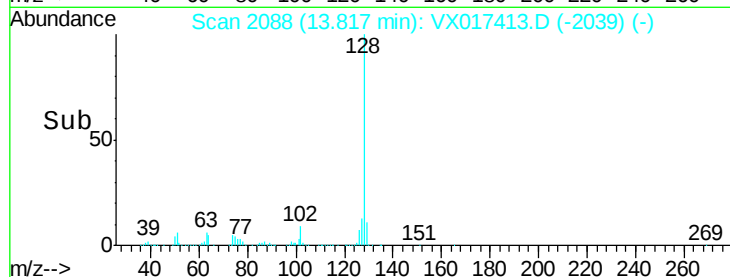
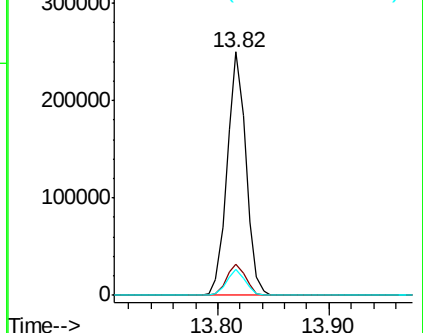
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.823 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017413.D

Acq: 17 Jul 2020 12:23

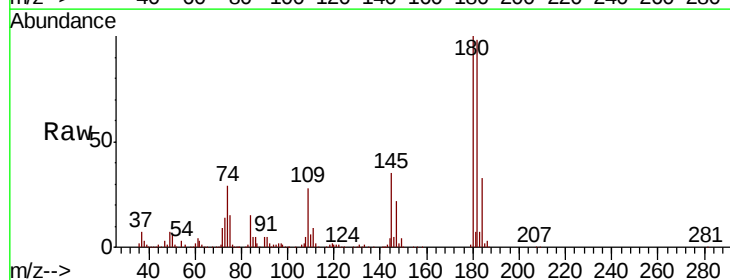
Tgt Ion:180 Resp: 94814

Ion Ratio Lower Upper

180 100

182 96.6 48.8 146.3

145 32.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

