

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016454.D
 Acq On : 27 May 2020 18:45
 Operator : JC/SP
 Sample : VX0527WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Quant Time: May 28 02:56:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	294637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	470803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214009	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	177500	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.47	113	137385	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.70	98	543265	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.12	95	203591	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	55477	19.133	ug/l	95
3) Chloromethane	1.31	50	67202	19.179	ug/l	99
4) Vinyl Chloride	1.39	62	71247	19.227	ug/l	95
5) Bromomethane	1.63	94	41046	22.781	ug/l	98
6) Chloroethane	1.71	64	42270	19.555	ug/l	98
7) Trichlorofluoromethane	1.92	101	92963	19.103	ug/l	100
8) Diethyl Ether	2.17	74	37439	18.450	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51765	19.327	ug/l	100
10) Methyl Iodide	2.49	142	43728	15.886	ug/l	99
11) Tert butyl alcohol	3.01	59	89085	94.945	ug/l	100
12) 1,1-Dichloroethene	2.36	96	53357	18.821	ug/l	96
13) Acrolein	2.27	56	34676	86.878	ug/l	99
14) Allyl chloride	2.71	41	102352	19.631	ug/l	100
15) Acrylonitrile	3.12	53	186303	96.931	ug/l	99
16) Acetone	2.42	43	155355	96.909	ug/l	98
17) Carbon Disulfide	2.55	76	162808	19.338	ug/l	100
18) Methyl Acetate	2.75	43	80665	19.619	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	197378	19.388	ug/l	98
20) Methylene Chloride	2.84	84	63339	19.097	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	60468	19.283	ug/l	97
22) Diisopropyl ether	3.83	45	198769	19.845	ug/l	91
23) Vinyl Acetate	3.79	43	872055	99.471	ug/l	99
24) 1,1-Dichloroethane	3.67	63	109130	19.304	ug/l	98
25) 2-Butanone	4.64	43	264935	97.532	ug/l	99
26) 2,2-Dichloropropane	4.56	77	93262	20.161	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	69080	19.042	ug/l	98
28) Bromochloromethane	4.98	49	51541	19.620	ug/l	99
29) Tetrahydrofuran	5.09	42	175323	99.904	ug/l	100
30) Chloroform	5.18	83	109863	19.287	ug/l	99
31) Cyclohexane	5.55	56	95870	18.851	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	99121	19.221	ug/l	99
36) 1,1-Dichloropropene	5.77	75	82445	18.495	ug/l	98
37) Ethyl Acetate	4.79	43	100979	18.868	ug/l	98
38) Carbon Tetrachloride	5.76	117	87683	18.718	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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 ClientSampleId :
 VX0527WBS01

Quant Time: May 28 02:56:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	91153	18.827	ug/l	98
40) Benzene	6.12	78	252918	19.053	ug/l	99
41) Methacrylonitrile	5.00	41	54873	18.667	ug/l	99
42) 1,2-Dichloroethane	6.17	62	89227	18.901	ug/l	100
43) Isopropyl Acetate	6.42	43	158479	18.985	ug/l	99
44) Trichloroethene	7.19	130	78311	18.594	ug/l	99
45) 1,2-Dichloropropane	7.49	63	64519	19.092	ug/l	99
46) Dibromomethane	7.64	93	42257	18.617	ug/l	99
47) Bromodichloromethane	7.88	83	87887	18.700	ug/l	99
48) Methyl methacrylate	7.74	41	74123	18.545	ug/l	98
49) 1,4-Dioxane	7.71	88	33991	363.393	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	503070	96.785	ug/l	100
52) Toluene	8.77	92	161510	19.294	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	99644	18.645	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	106708	18.864	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	62568	18.799	ug/l	99
56) Ethyl methacrylate	9.16	69	101930	18.805	ug/l	99
57) 1,3-Dichloropropane	9.35	76	108896	19.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	273761	96.760	ug/l	100
59) 2-Hexanone	9.47	43	390394	96.581	ug/l	100
60) Dibromochloromethane	9.57	129	68961	18.412	ug/l	98
61) 1,2-Dibromoethane	9.65	107	66012	18.521	ug/l	99
64) Tetrachloroethene	9.32	164	91609	18.850	ug/l	98
65) Chlorobenzene	10.12	112	166284	18.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	62745	18.560	ug/l	99
67) Ethyl Benzene	10.24	91	299522	18.996	ug/l	99
68) m/p-Xylenes	10.34	106	223900	38.299	ug/l	100
69) o-Xylene	10.68	106	106320	18.779	ug/l	99
70) Styrene	10.70	104	184499	18.959	ug/l	99
71) Bromoform	10.84	173	52045	18.216	ug/l #	99
73) Isopropylbenzene	11.00	105	283066	19.090	ug/l	99
74) N-amyl acetate	10.88	43	131295	19.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	71356	19.201	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	119429	25.389	ug/l	84
77) Bromobenzene	11.24	156	72113	18.542	ug/l	98
78) n-propylbenzene	11.34	91	320726	19.360	ug/l	99
79) 2-Chlorotoluene	11.40	91	193902	19.175	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	238568	19.268	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	35410	18.517	ug/l	100
82) 4-Chlorotoluene	11.49	91	228076	19.100	ug/l	99
83) tert-Butylbenzene	11.76	119	202673	19.157	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	238175	19.021	ug/l	100
85) sec-Butylbenzene	11.93	105	253035	19.066	ug/l	100
86) p-Isopropyltoluene	12.05	119	237922	19.138	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	127593	18.936	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	130752	18.974	ug/l	98
89) n-Butylbenzene	12.37	91	197892	19.111	ug/l	99
90) Hexachloroethane	12.58	117	39338	18.319	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	126042	19.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	22331	18.552	ug/l	97

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ALS Vial : 11 Sample Multiplier: 1

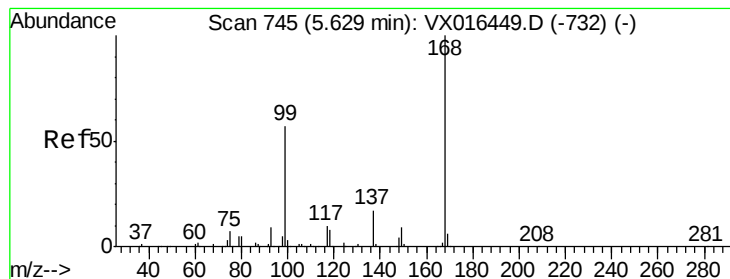
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Quant Time: May 28 02:56:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	83751	19.318	ug/l	99
94) Hexachlorobutadiene	13.76	225	33171	19.487	ug/l	98
95) Naphthalene	13.82	128	289105	19.452	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	83677	19.700	ug/l	95

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

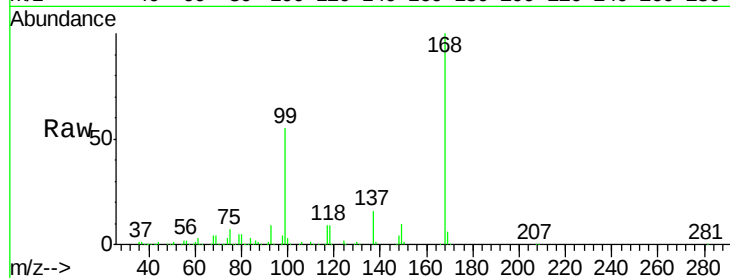
VX0527WBS01

Tot Ion:168 Resp: 294637

Ion Ratio Lower Upper

168 100

99 55.1 45.2 67.8



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

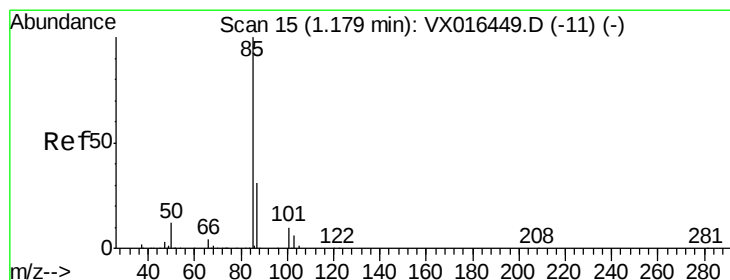
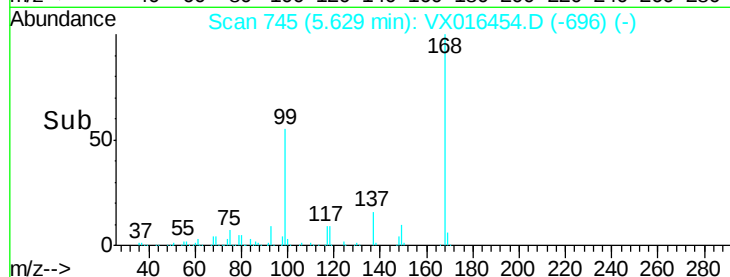
40000

20000

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Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 19.133 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016454.D

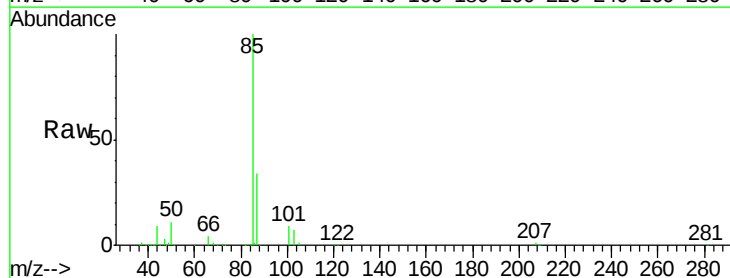
Acq: 27 May 2020 18:45

Tgt Ion: 85 Resp: 55477

Ion Ratio Lower Upper

85 100

87 33.6 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

60000

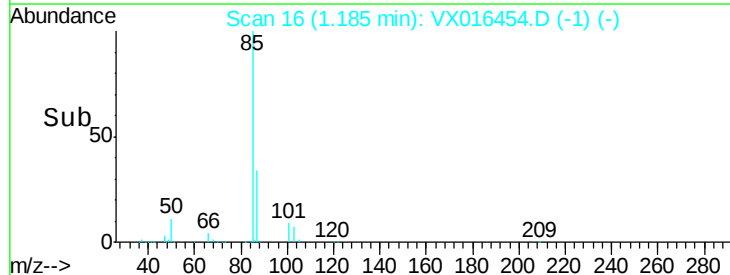
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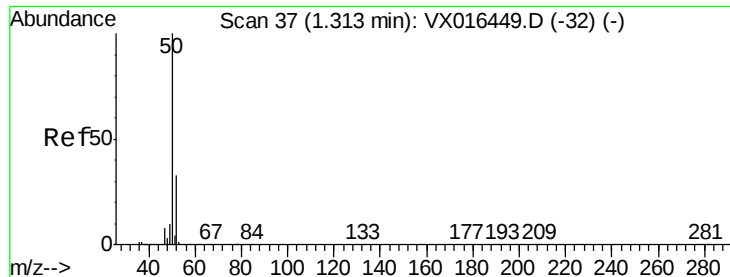
20000

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Time-->

1.10 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.179 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

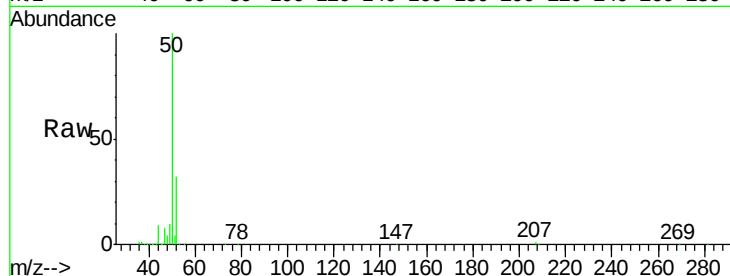
VX0527WBS01

Tot Ion: 50 Resp: 67202

Ion Ratio Lower Upper

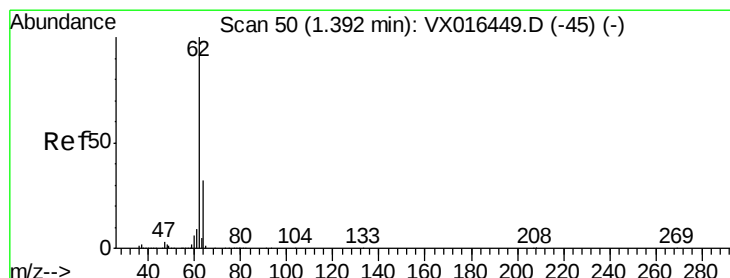
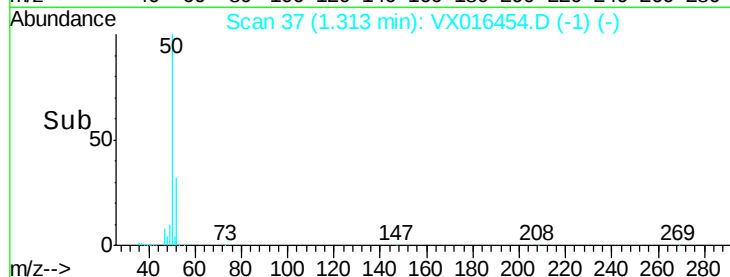
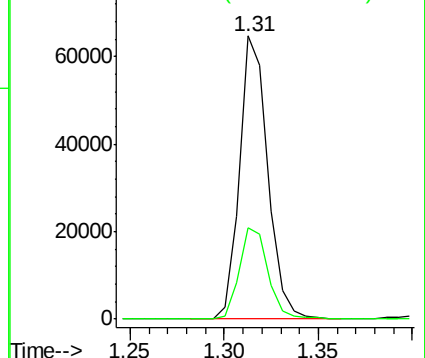
50 100

52 32.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.227 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016454.D

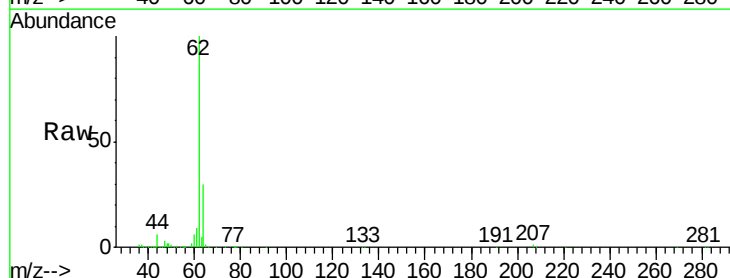
Acq: 27 May 2020 18:45

Tgt Ion: 62 Resp: 71247

Ion Ratio Lower Upper

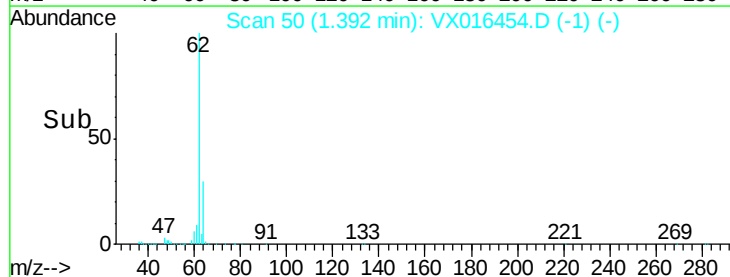
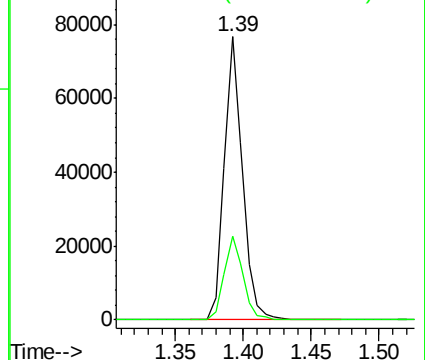
62 100

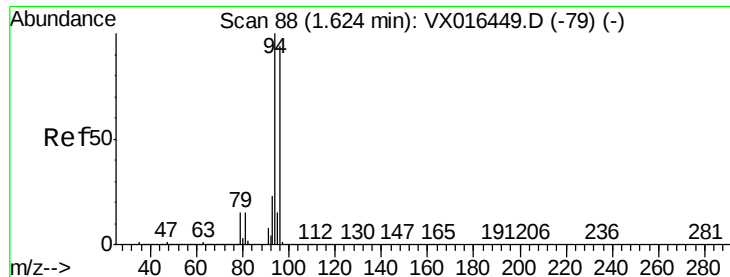
64 29.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.781 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

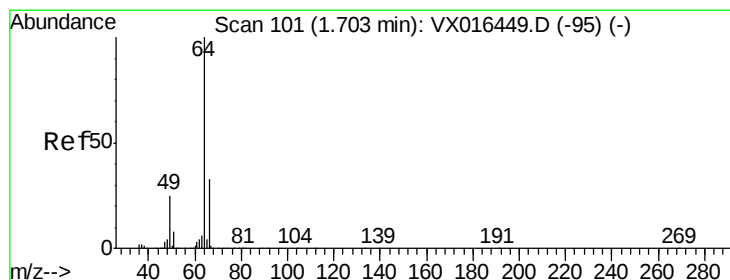
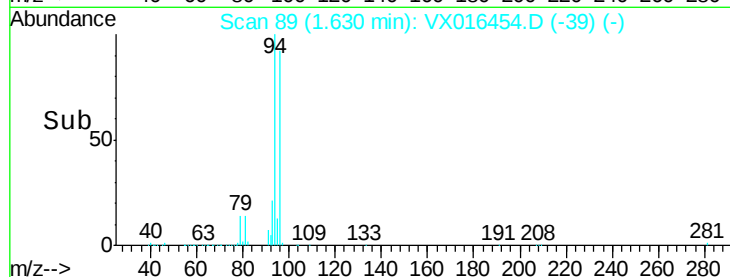
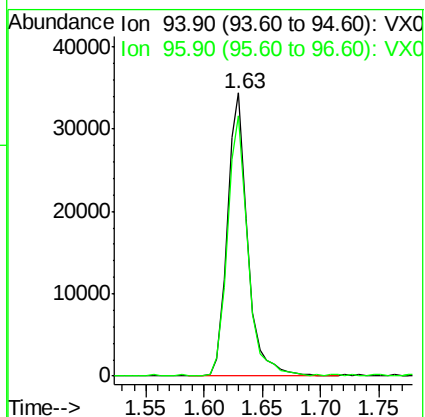
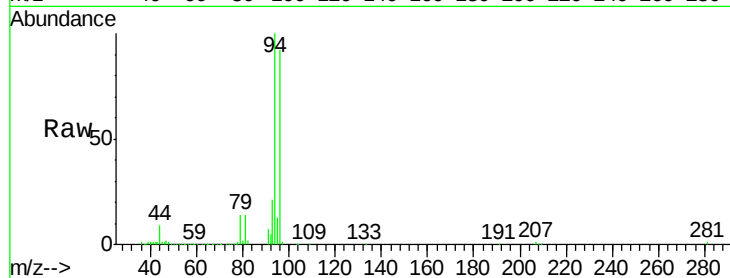
VX0527WBS01

Tot Ion: 94 Resp: 41046

Ion Ratio Lower Upper

94 100

96 91.6 75.1 112.7



#6

Chloroethane

Concen: 19.555 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016454.D

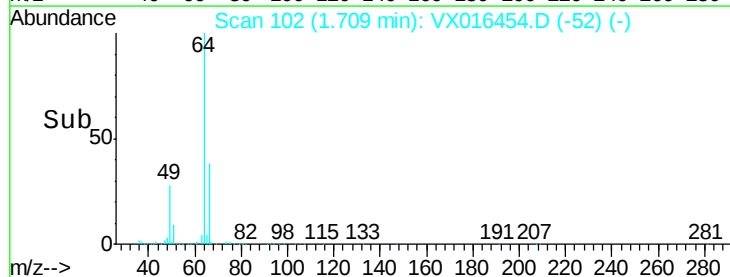
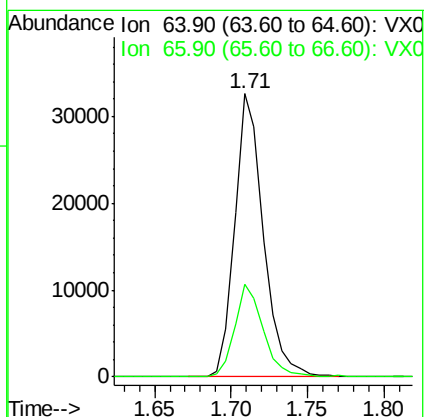
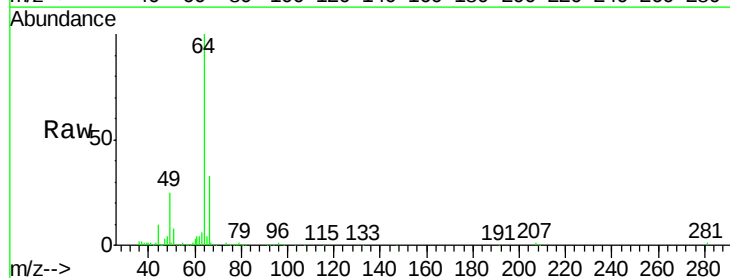
Acq: 27 May 2020 18:45

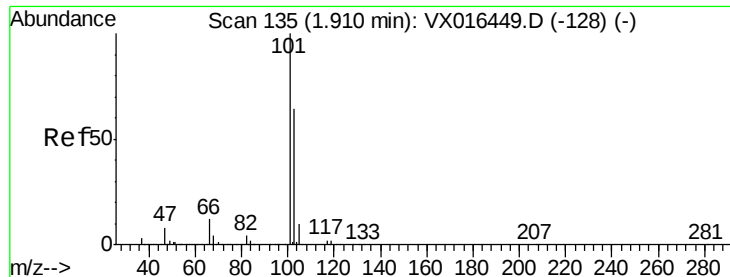
Tgt Ion: 64 Resp: 42270

Ion Ratio Lower Upper

64 100

66 32.5 26.7 40.1



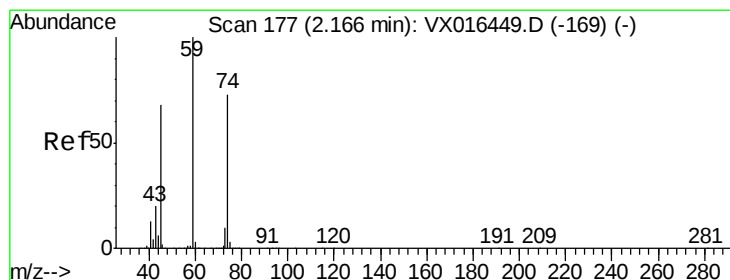
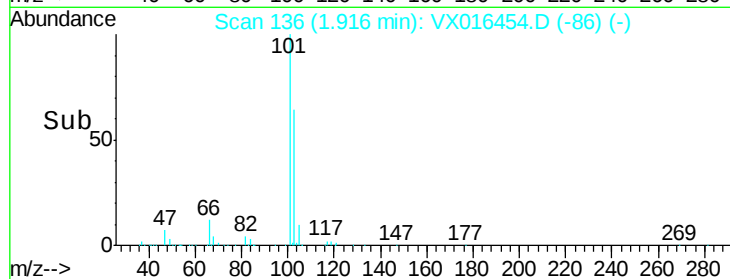
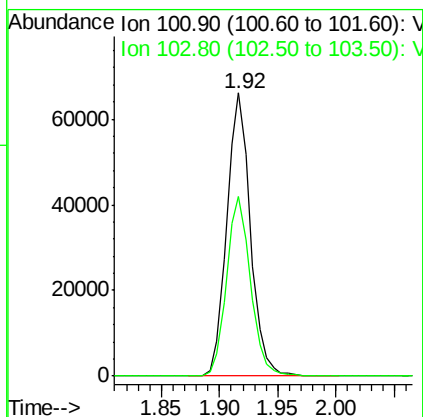
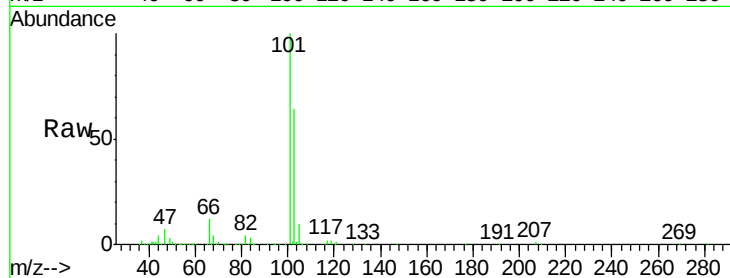


#7

Trichlorofluoromethane
 Concen: 19.103 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

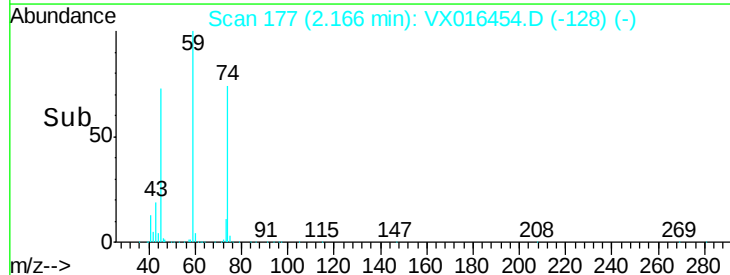
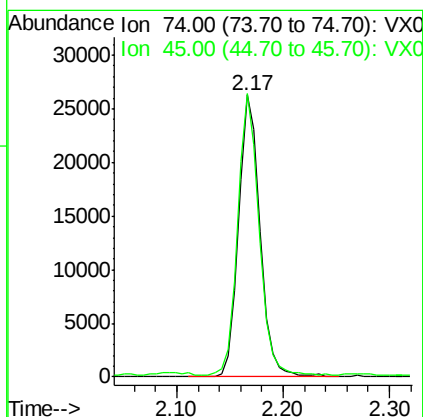
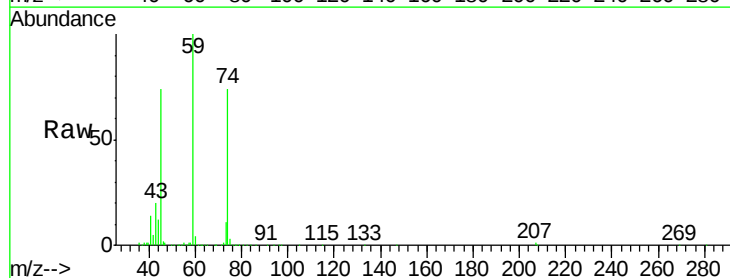
Tot Ion:101 Resp: 92963
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.9 76.3



#8

Diethyl Ether
 Concen: 18.450 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion: 74 Resp: 37439
 Ion Ratio Lower Upper
 74 100
 45 98.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.327 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

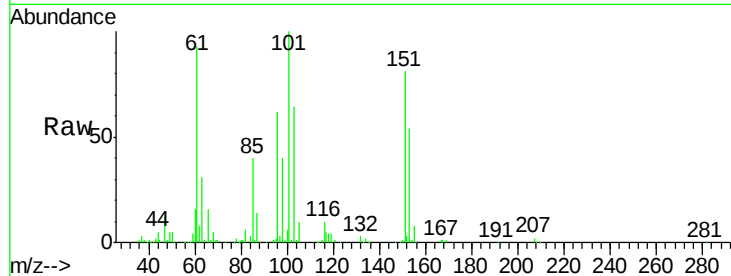
Tot Ion:101 Resp: 51765

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

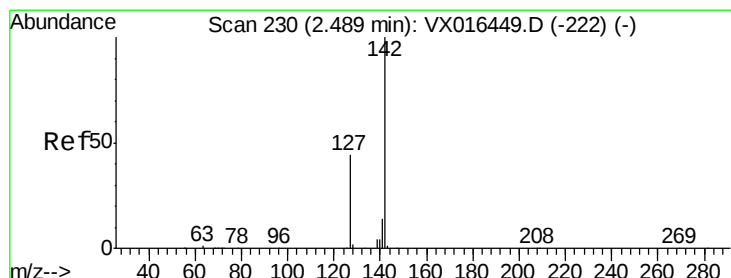
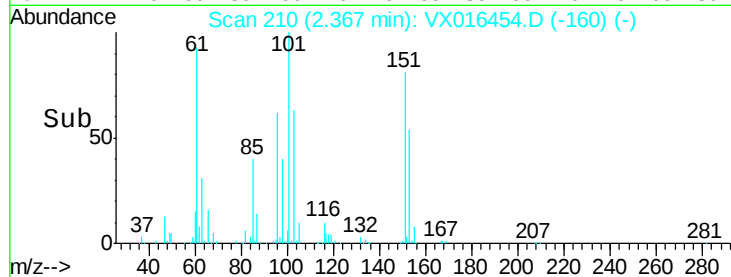
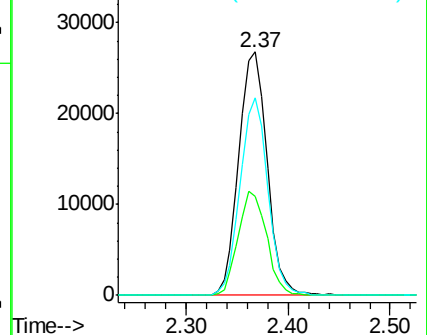
151 79.4 63.8 95.6



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: 15.886 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

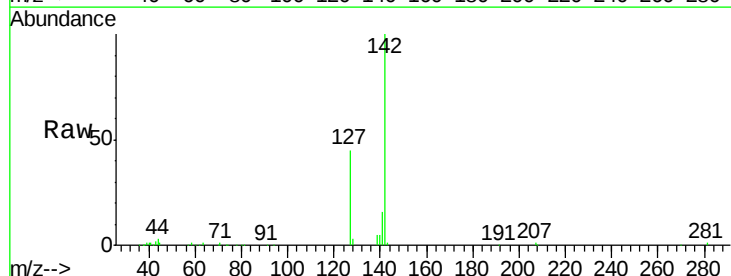
Tgt Ion:142 Resp: 43728

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

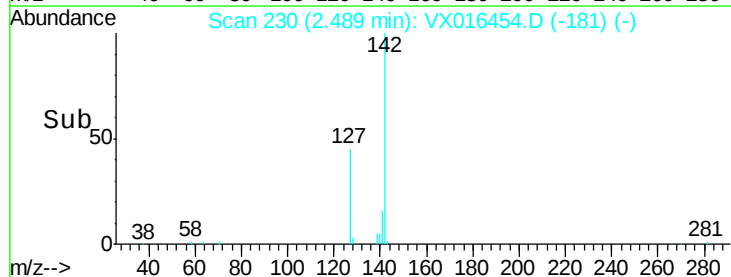
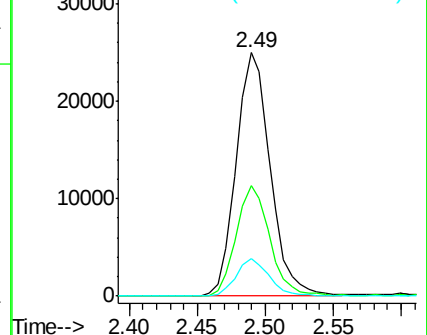
141 14.9 11.4 17.2

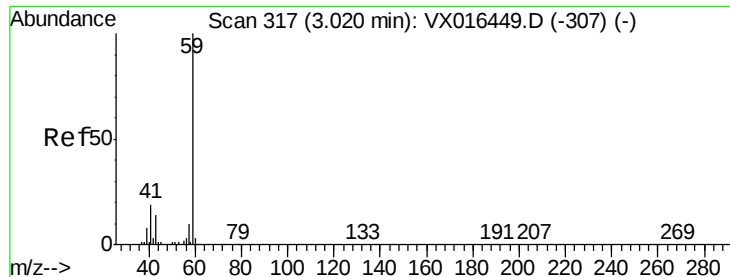


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



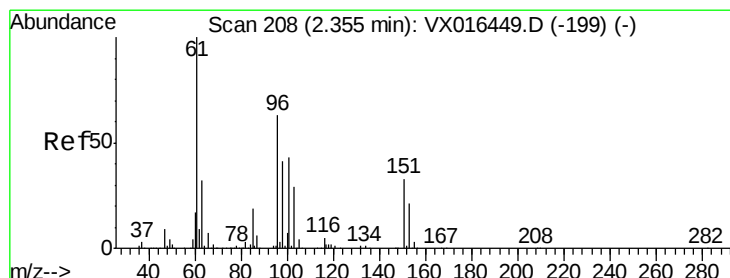
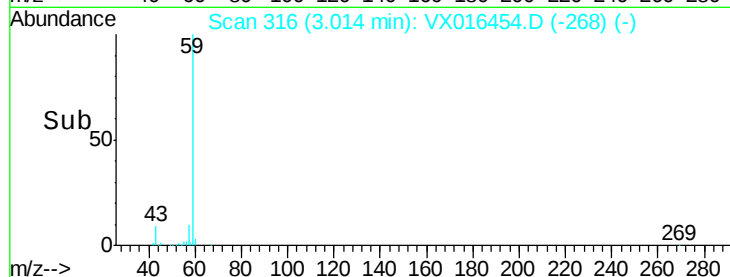
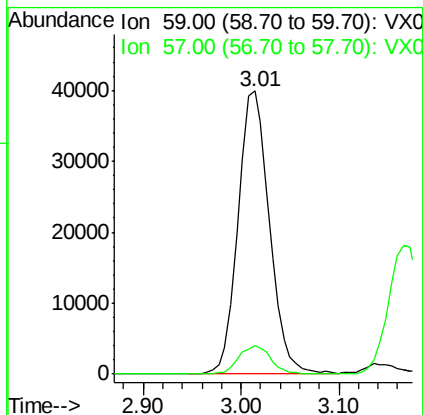
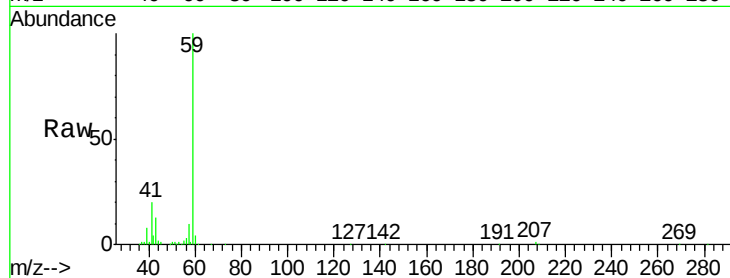


#11

Tert butyl alcohol
 Concen: 94.945 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

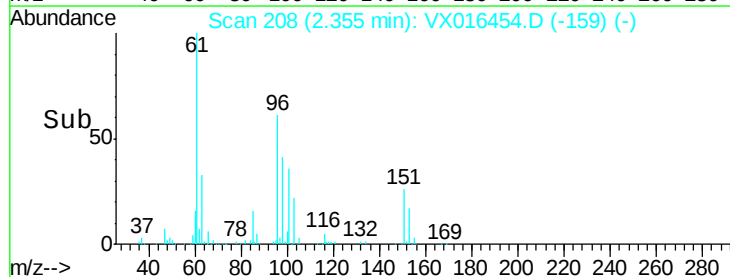
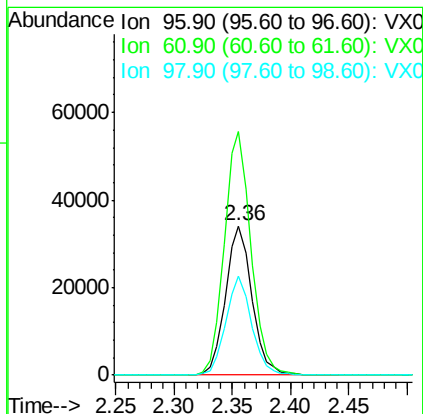
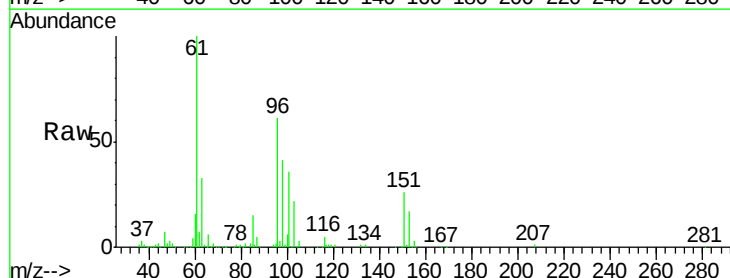
Tot Ion: 59 Resp: 89085
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

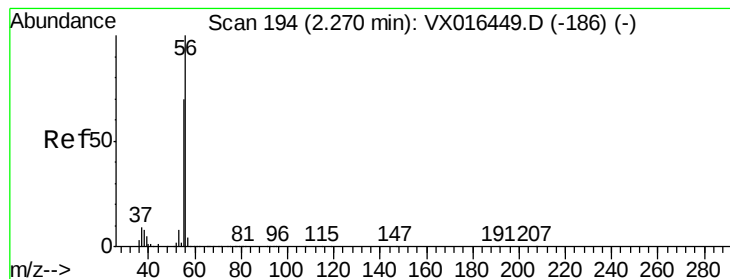


#12

1,1-Dichloroethene
 Concen: 18.821 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion: 96 Resp: 53357
 Ion Ratio Lower Upper
 96 100
 61 163.7 126.6 189.8
 98 66.8 51.3 76.9





#13

Acrolein

Concen: 86.878 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

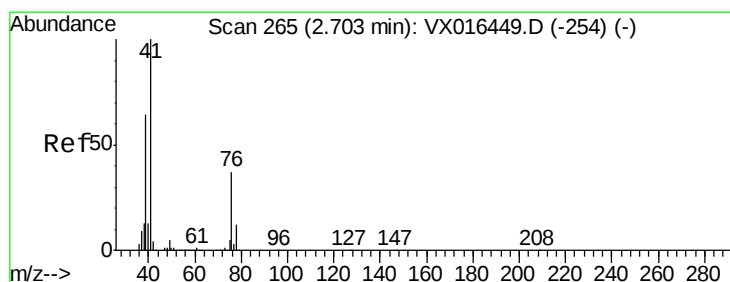
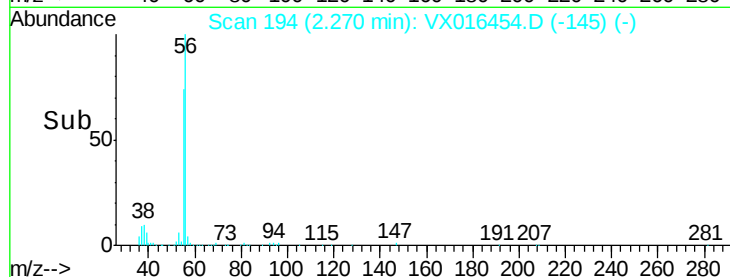
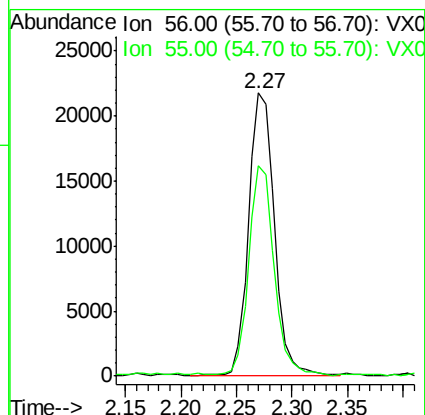
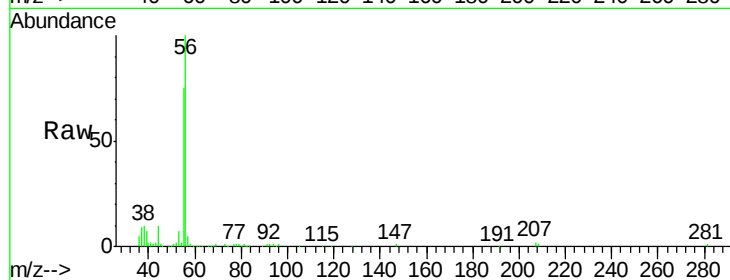
VX0527WBS01

Tot Ion: 56 Resp: 34676

Ion Ratio Lower Upper

56 100

55 73.5 58.3 87.5



#14

Allyl chloride

Concen: 19.631 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

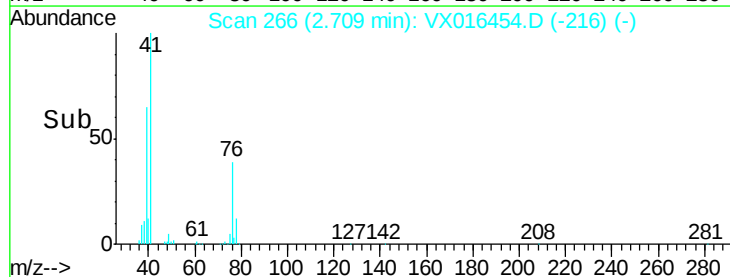
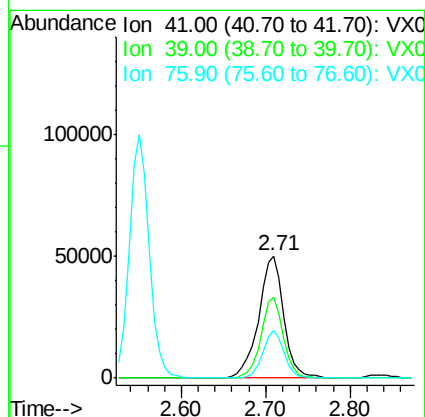
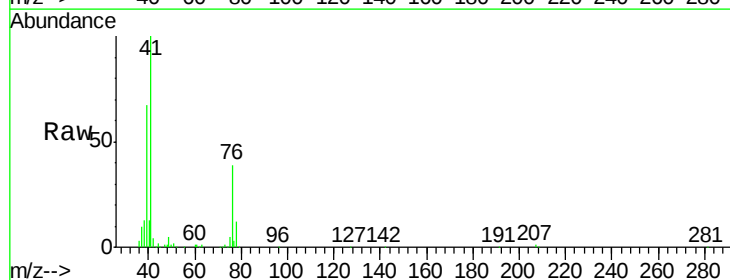
Tgt Ion: 41 Resp: 102352

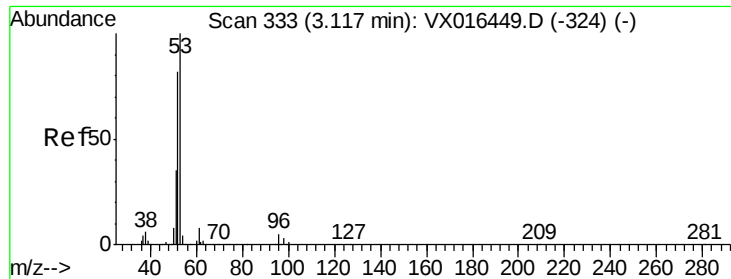
Ion Ratio Lower Upper

41 100

39 59.3 47.7 71.5

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 96.931 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

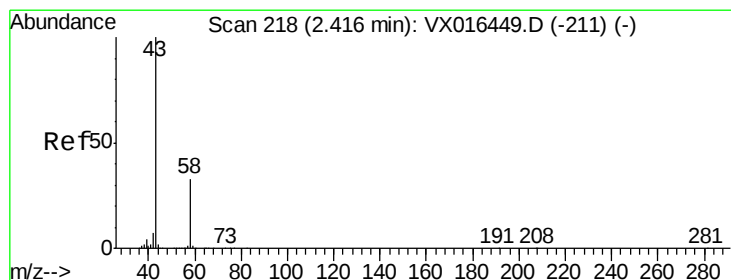
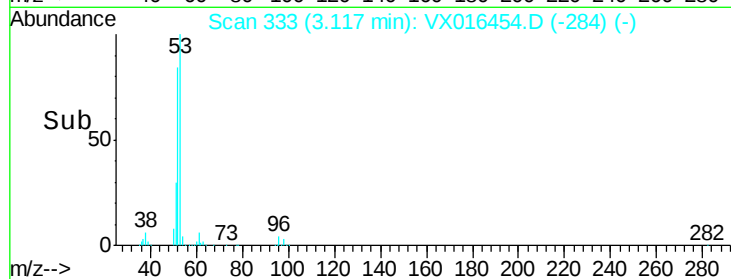
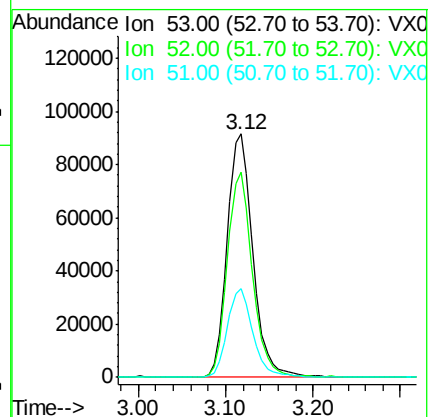
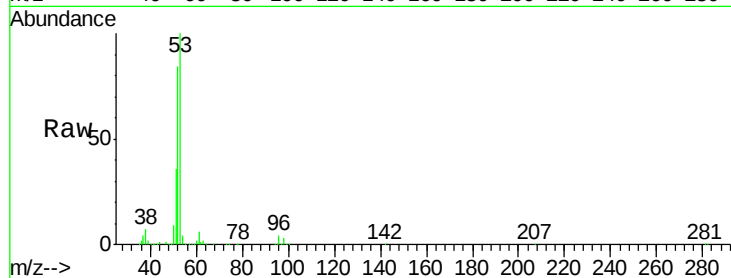
Tot Ion: 53 Resp: 186303

Ion Ratio Lower Upper

53 100

52 82.6 66.7 100.1

51 36.7 28.6 43.0



#16

Acetone

Concen: 96.909 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016454.D

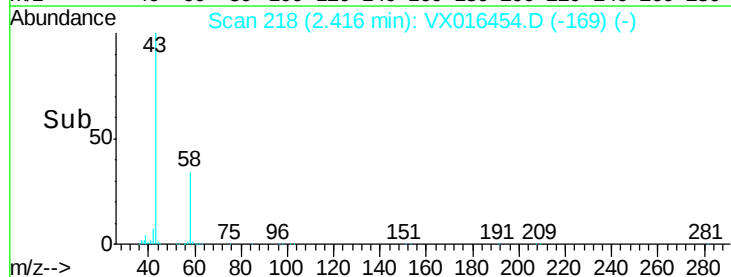
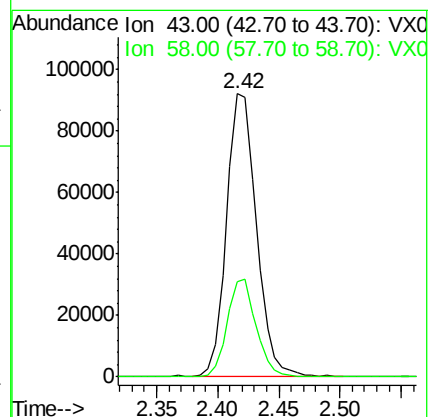
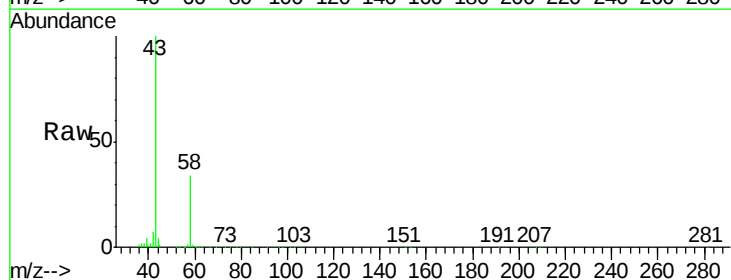
Acq: 27 May 2020 18:45

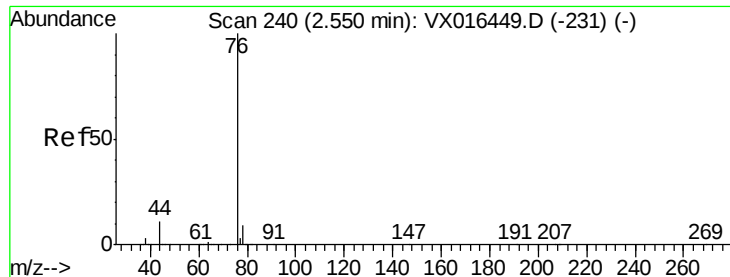
Tgt Ion: 43 Resp: 155355

Ion Ratio Lower Upper

43 100

58 33.7 26.1 39.1

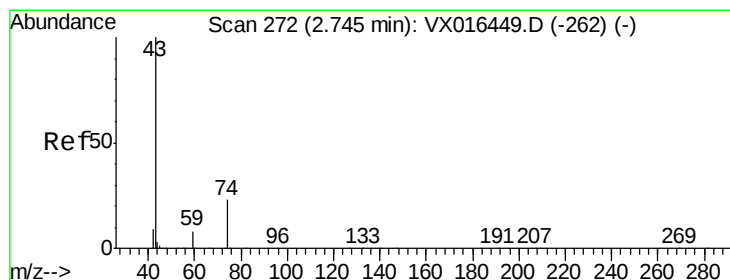
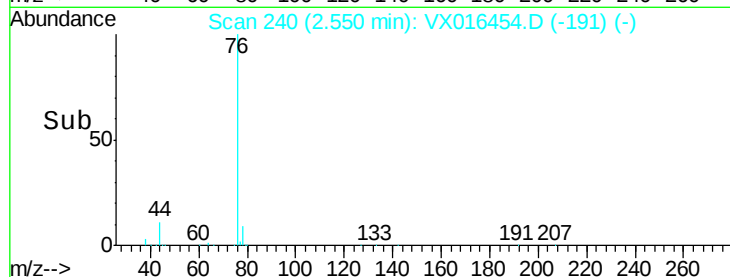
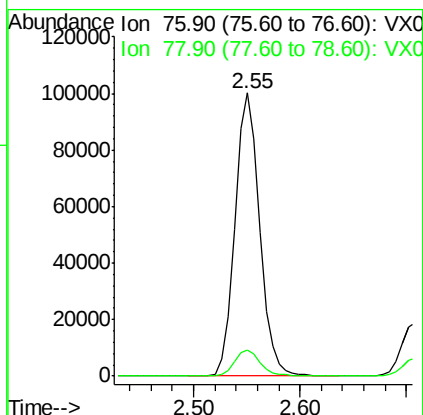
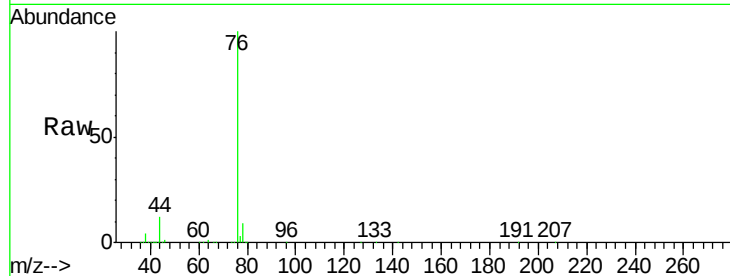




#17
Carbon Disulfide
Concen: 19.338 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

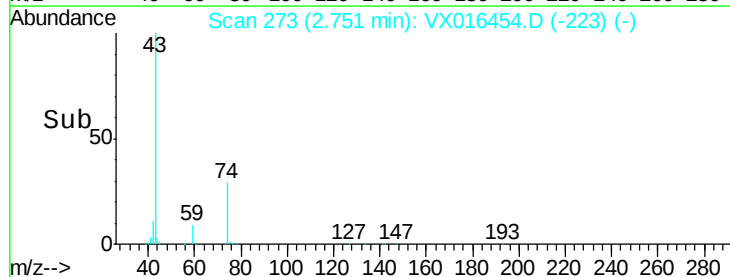
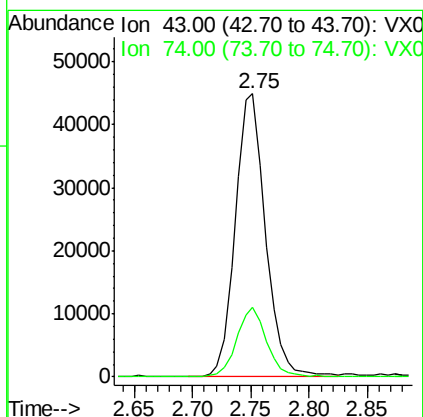
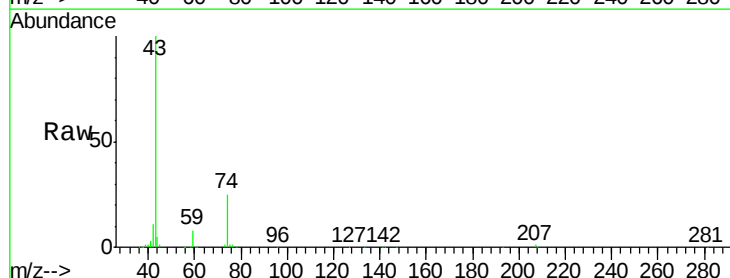
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

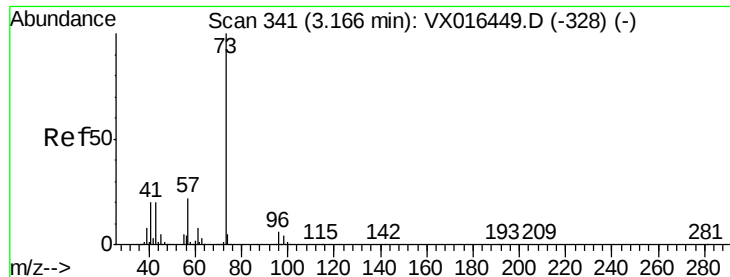
Tot Ion: 76 Resp: 162808
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 19.619 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 43 Resp: 80665
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



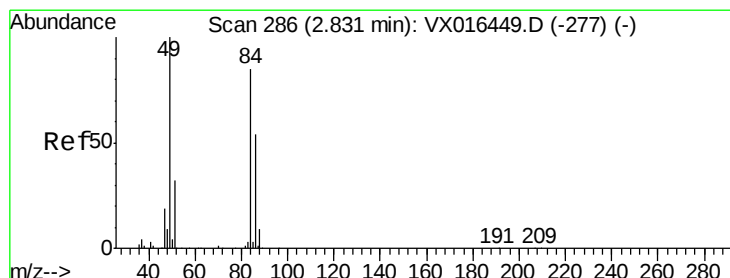
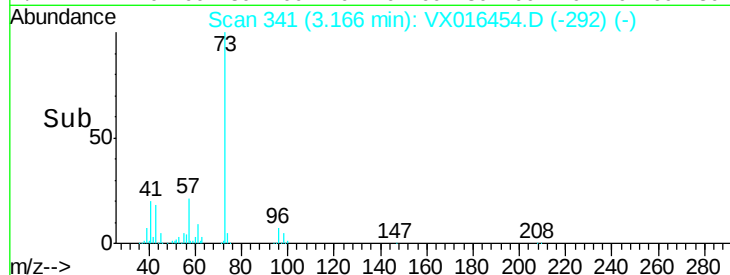
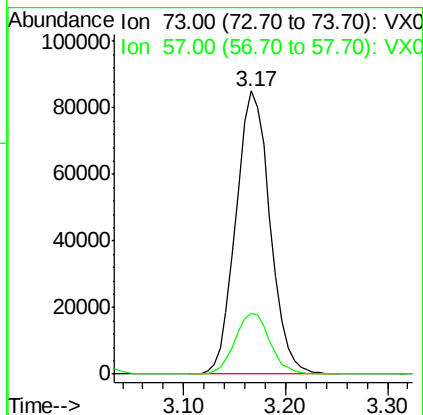
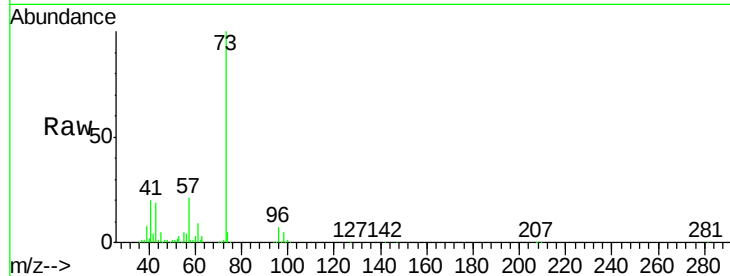


#19

Methyl tert-butyl Ether
 Concen: 19.388 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

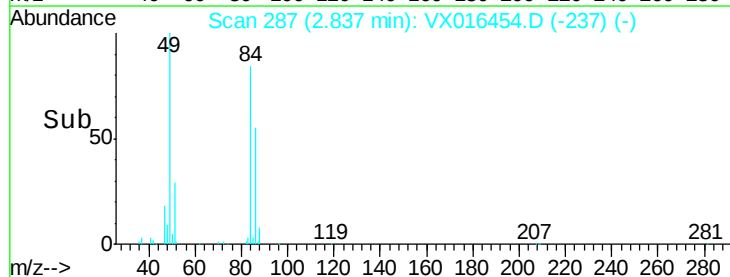
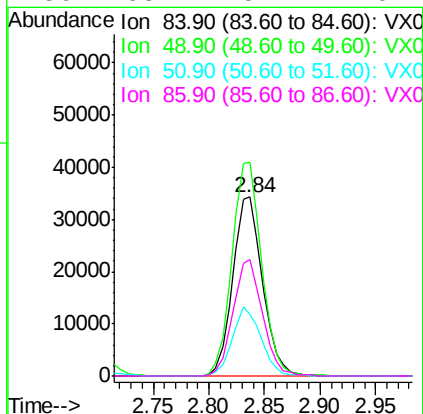
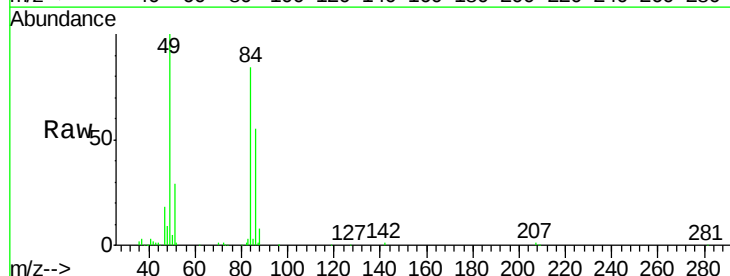
Tot Ion: 73 Resp: 197378
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.8 26.6

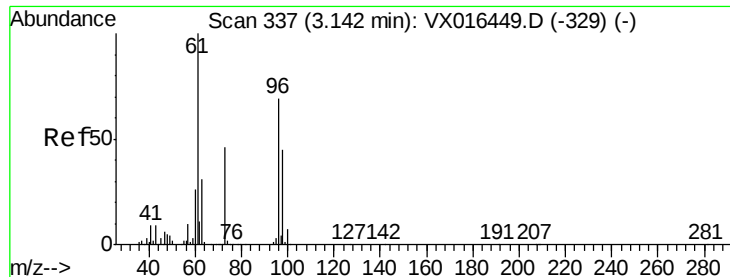


#20

Methylene Chloride
 Concen: 19.097 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion: 84 Resp: 63339
 Ion Ratio Lower Upper
 84 100
 49 119.6 94.5 141.7
 51 34.7 30.2 45.4
 86 65.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.283 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

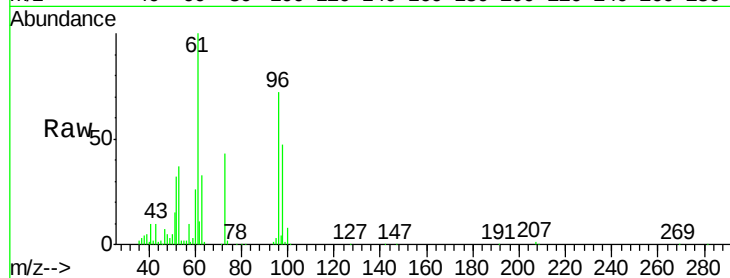
Tot Ion: 96 Resp: 60468

Ion Ratio Lower Upper

96 100

61 139.0 115.3 172.9

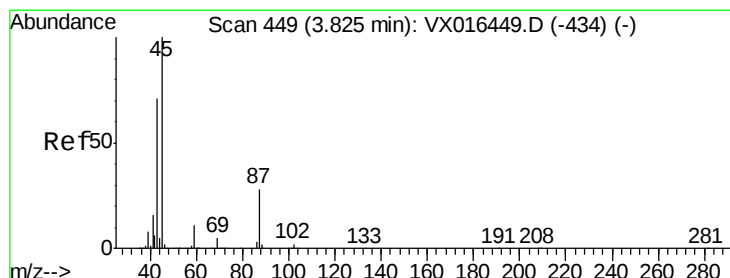
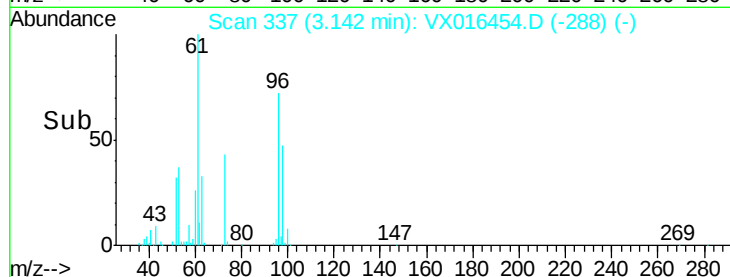
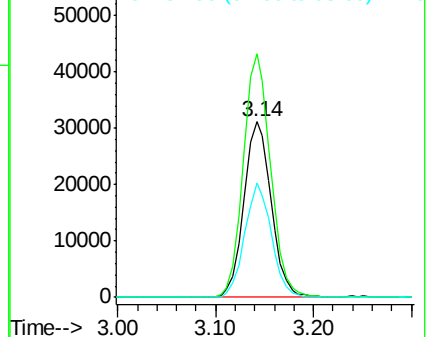
98 65.0 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.845 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Tgt Ion: 45 Resp: 198769

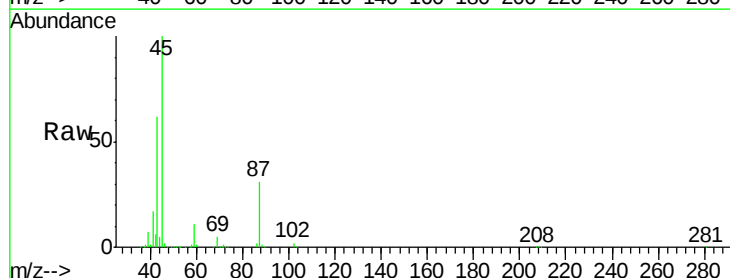
Ion Ratio Lower Upper

45 100

43 61.8 57.0 85.6

87 30.9 22.5 33.7

59 11.4 9.1 13.7

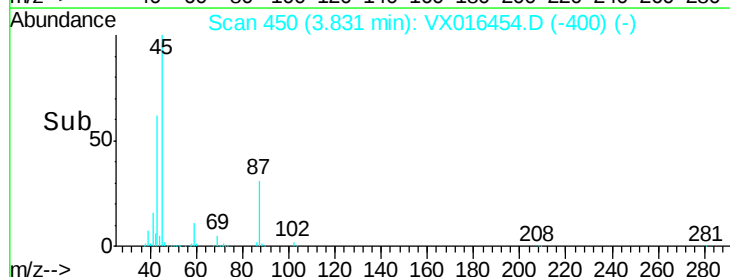
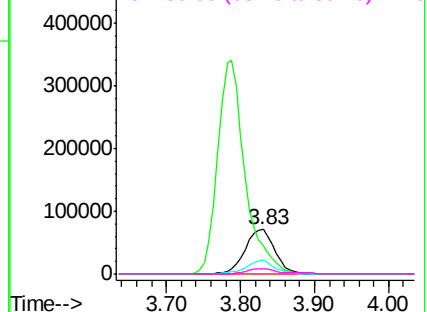


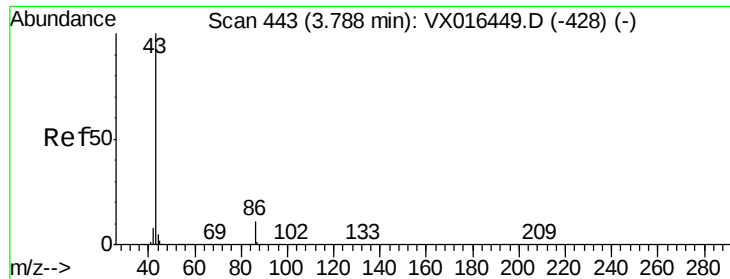
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 99.471 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

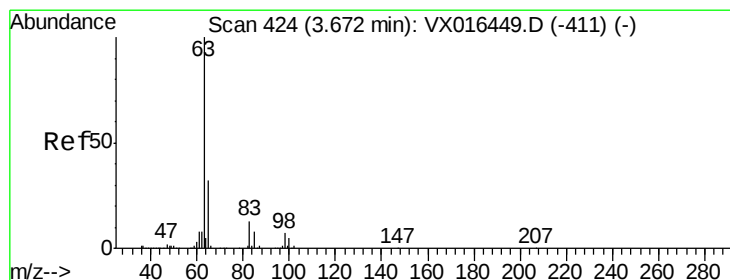
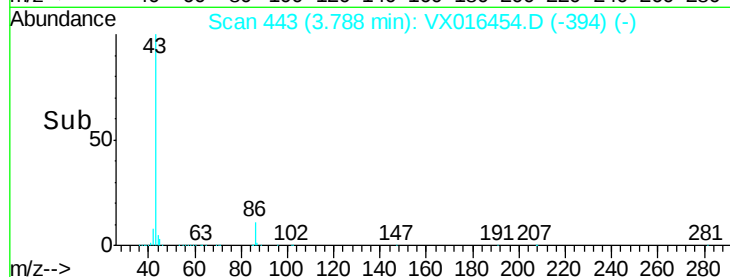
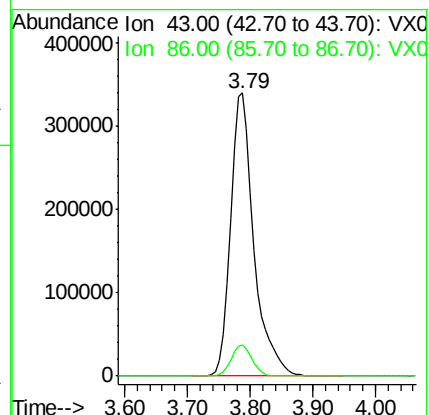
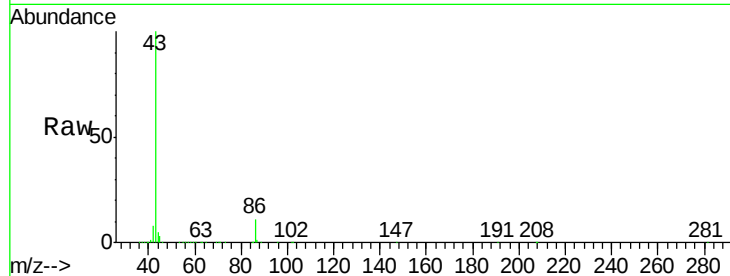
VX0527WBS01

Tot Ion: 43 Resp: 872055

Ion Ratio Lower Upper

43 100

86 11.2 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.304 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

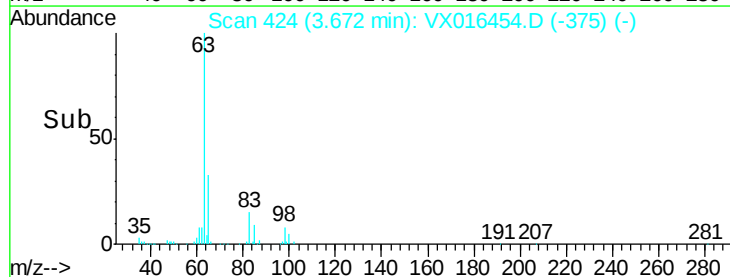
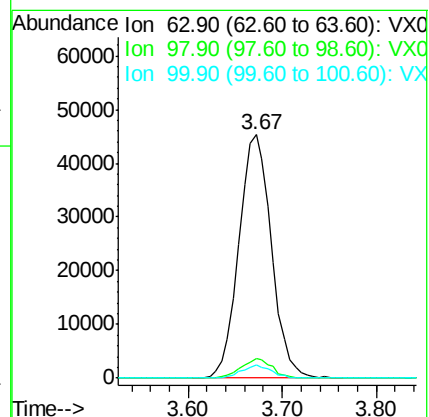
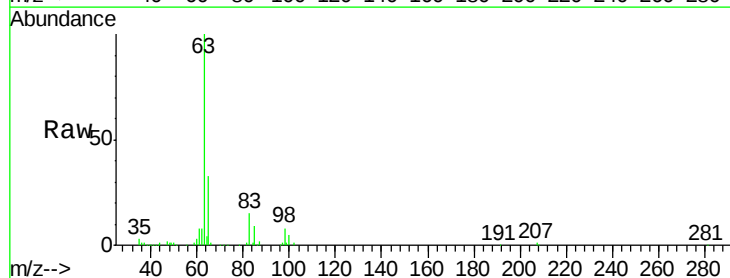
Tgt Ion: 63 Resp: 109130

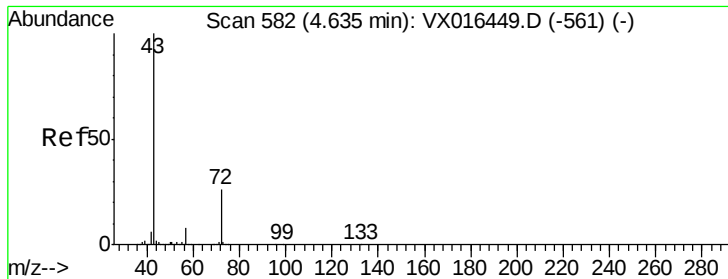
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 5.3 2.4 7.1





#25

2-Butanone

Concen: 97.532 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

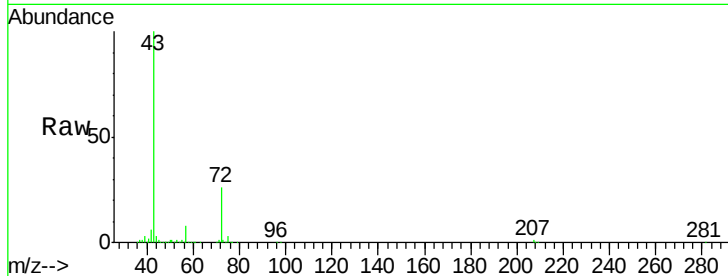
VX0527WBS01

Tot Ion: 43 Resp: 264935

Ion Ratio Lower Upper

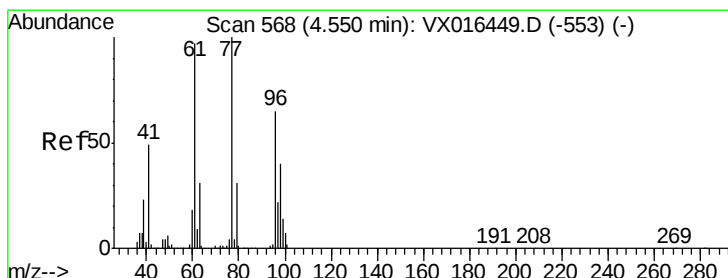
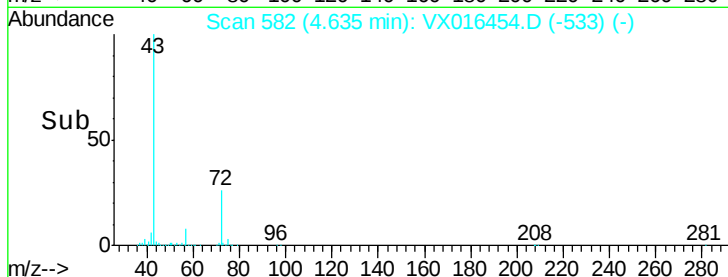
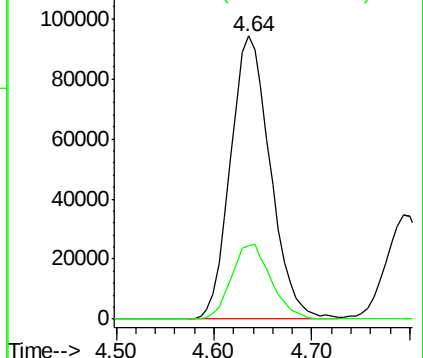
43 100

72 25.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.161 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016454.D

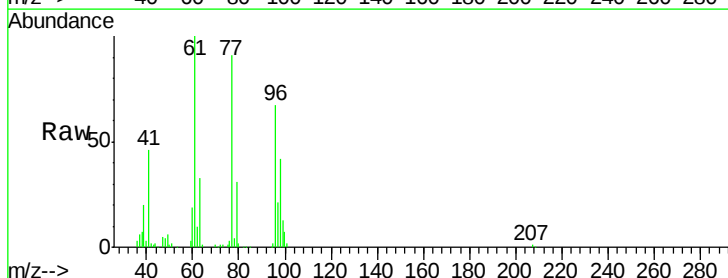
Acq: 27 May 2020 18:45

Tgt Ion: 77 Resp: 93262

Ion Ratio Lower Upper

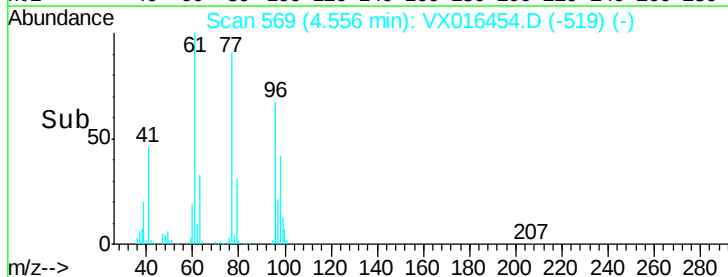
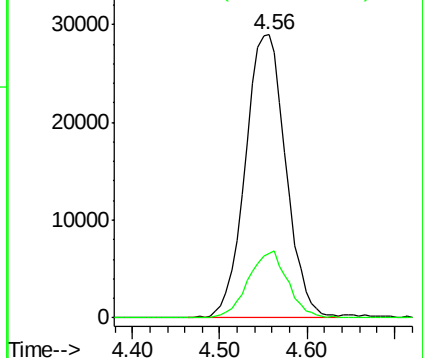
77 100

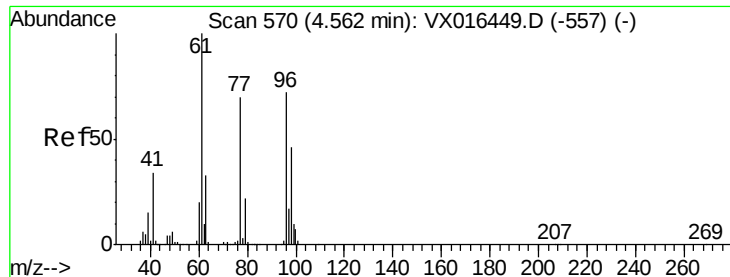
97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



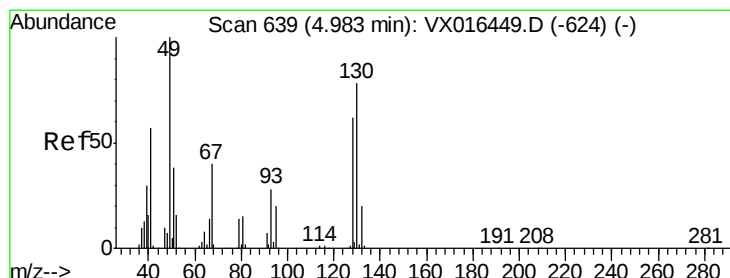
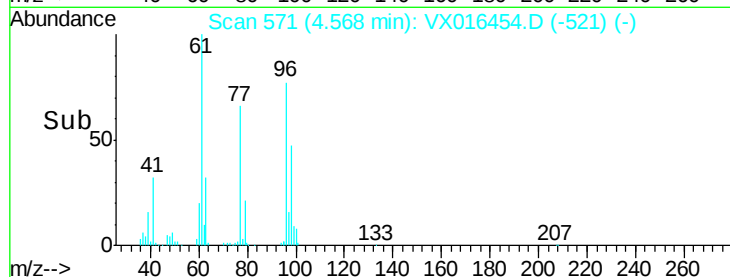
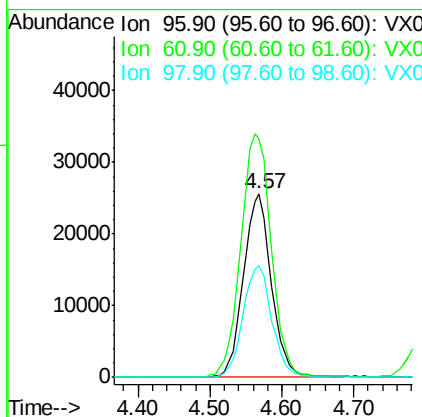
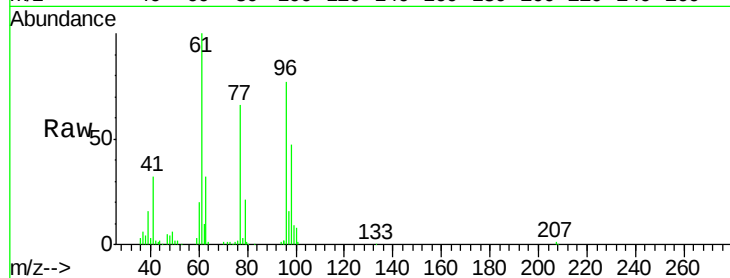


#27

cis-1,2-Dichloroethene
Concen: 19.042 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

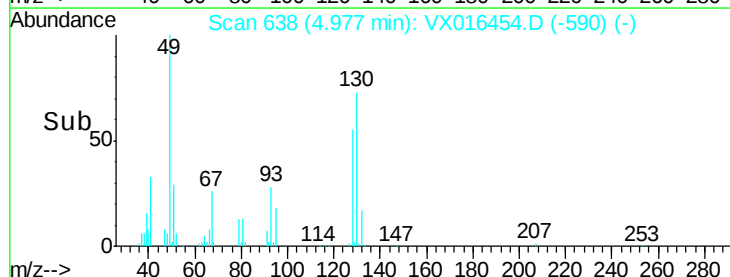
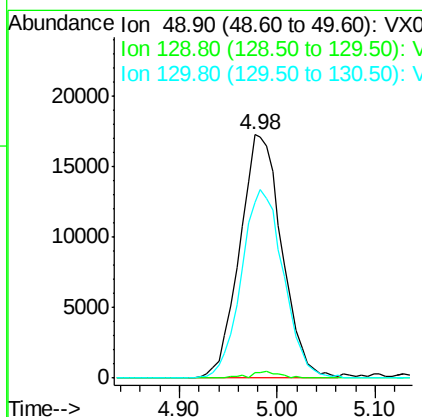
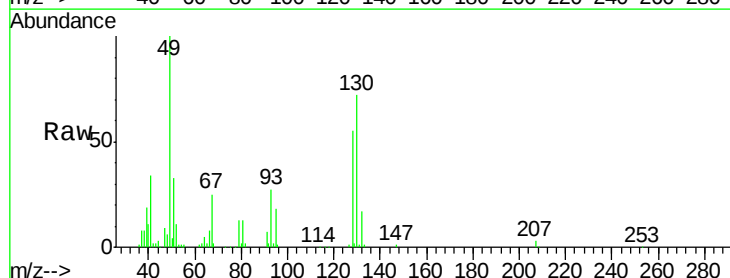
Tot Ion: 96 Resp: 69080
Ion Ratio Lower Upper
96 100
61 144.4 0.0 284.6
98 62.6 0.0 127.2

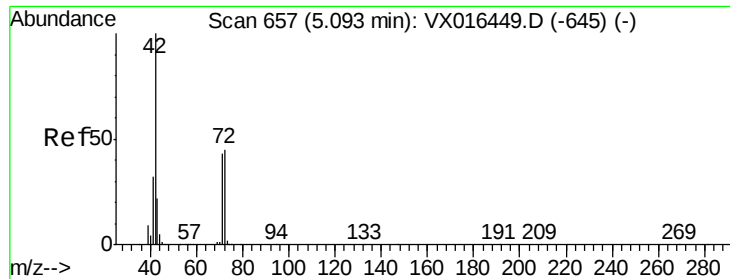


#28

Bromochloromethane
Concen: 19.620 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 49 Resp: 51541
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 77.4 63.0 94.4

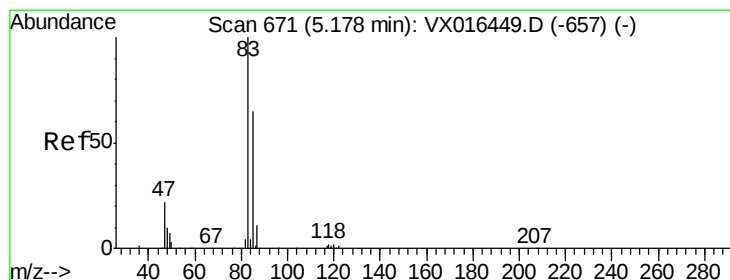
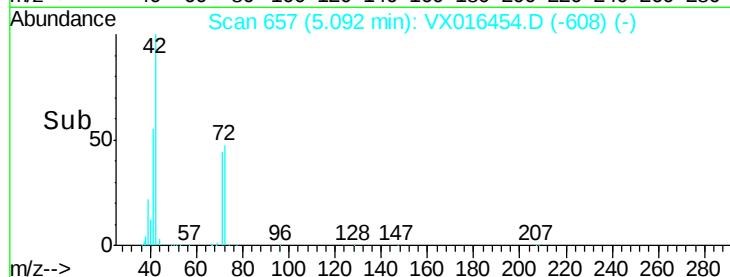
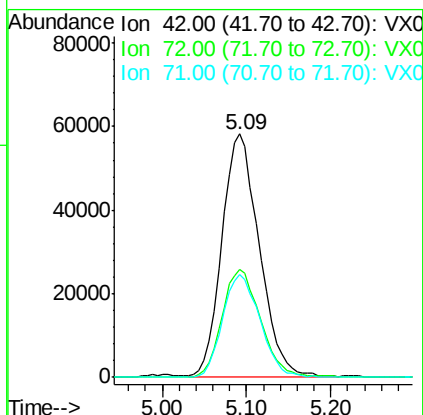
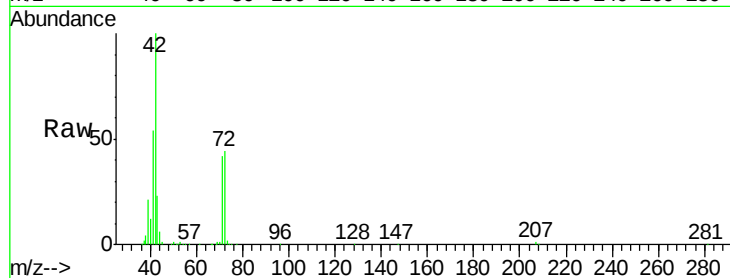




#29
Tetrahydrofuran
Concen: 99.904 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

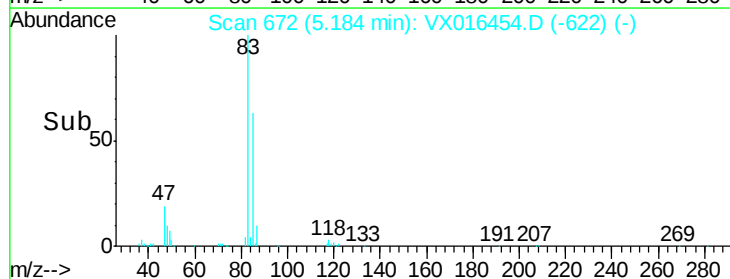
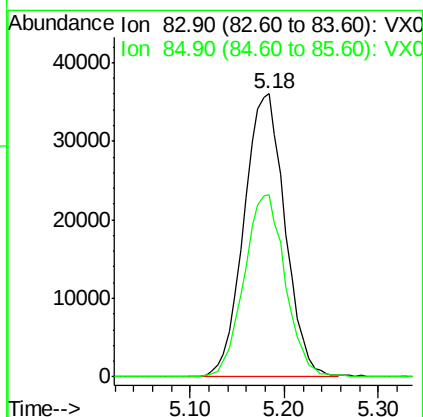
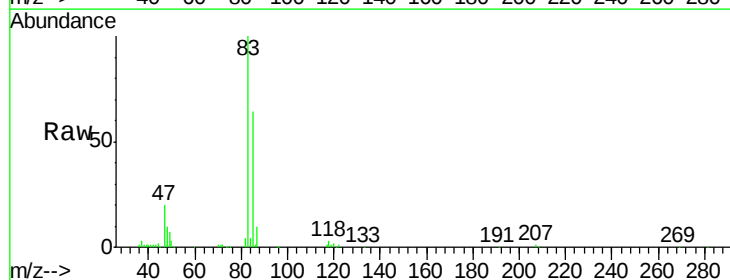
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

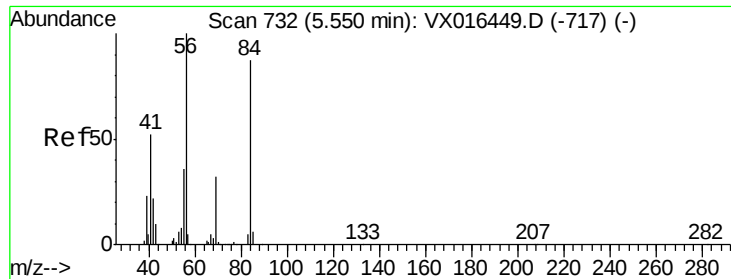
Tot Ion: 42 Resp: 175323
Ion Ratio Lower Upper
42 100
72 46.0 37.0 55.4
71 42.5 34.1 51.1



#30
Chloroform
Concen: 19.287 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 83 Resp: 109863
Ion Ratio Lower Upper
83 100
85 64.3 52.0 78.0





#31

Cyclohexane

Concen: 18.851 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

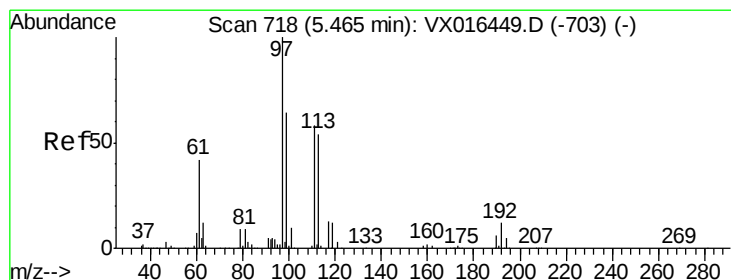
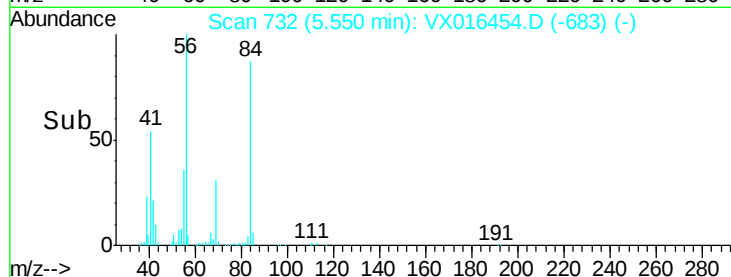
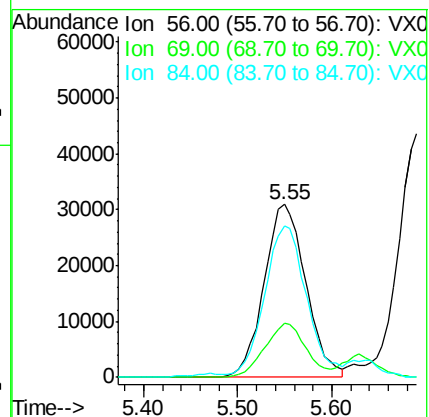
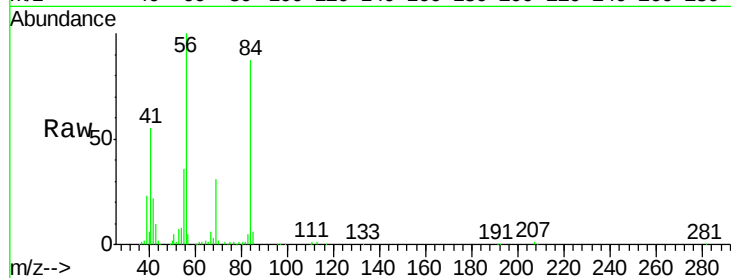
Tot Ion: 56 Resp: 95870

Ion Ratio Lower Upper

56 100

69 31.2 25.7 38.5

84 86.3 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 19.221 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

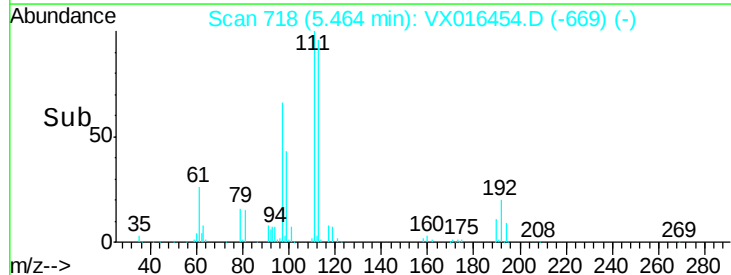
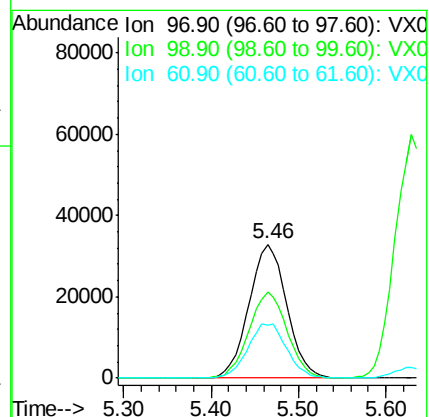
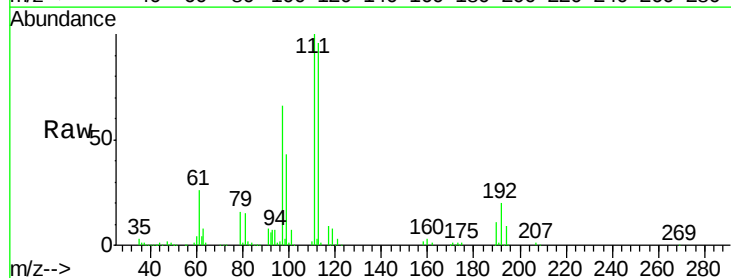
Tgt Ion: 97 Resp: 99121

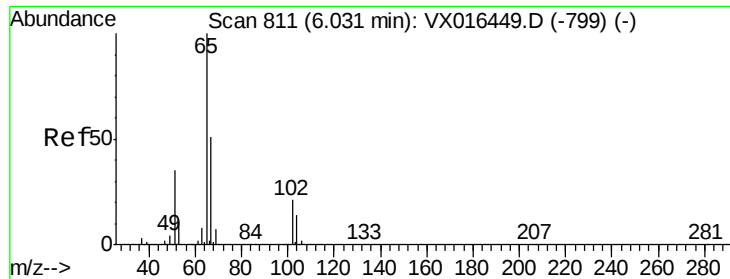
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.2

61 41.8 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 48.510 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

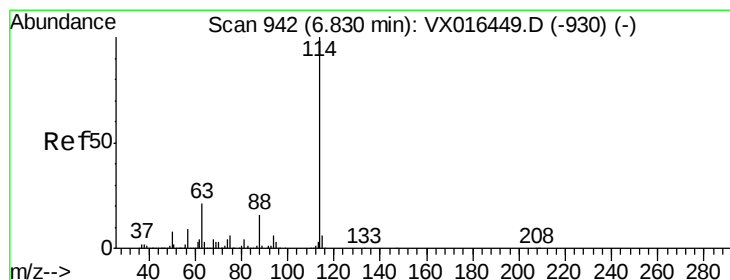
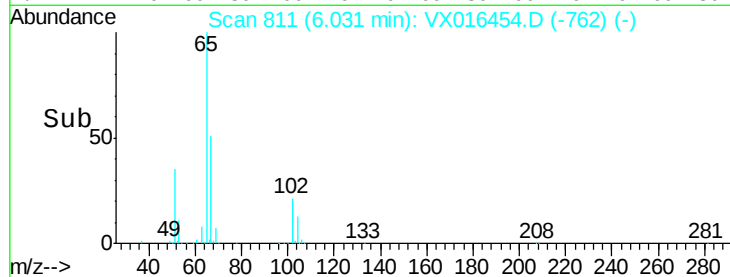
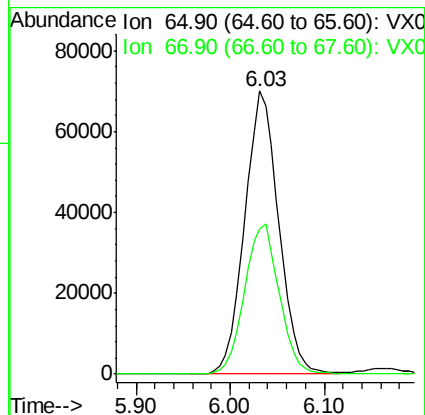
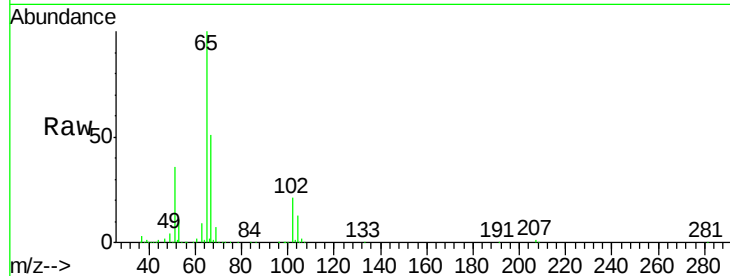
VX0527WBS01

Tot Ion: 65 Resp: 177500

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

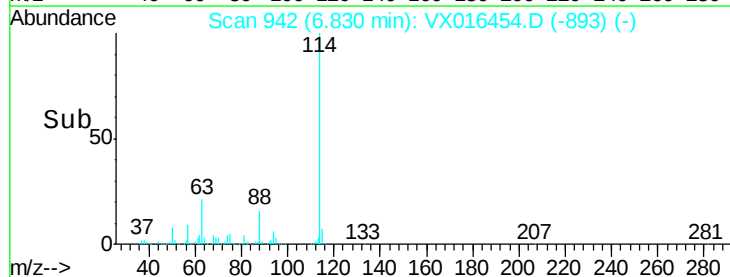
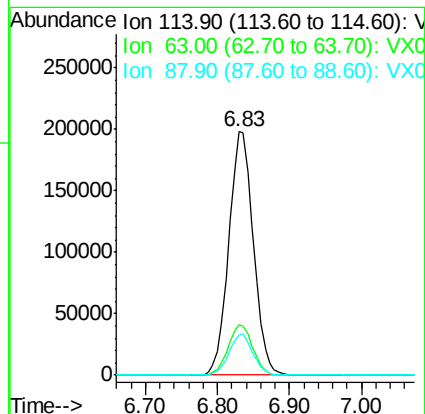
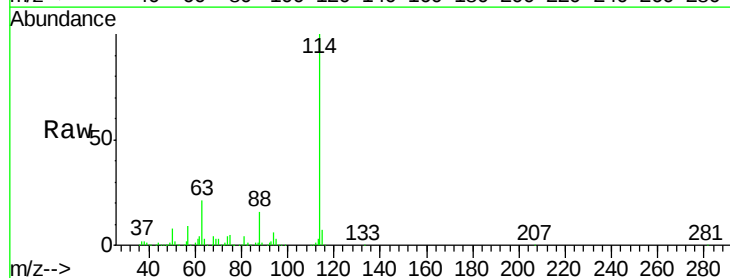
Tgt Ion: 114 Resp: 470803

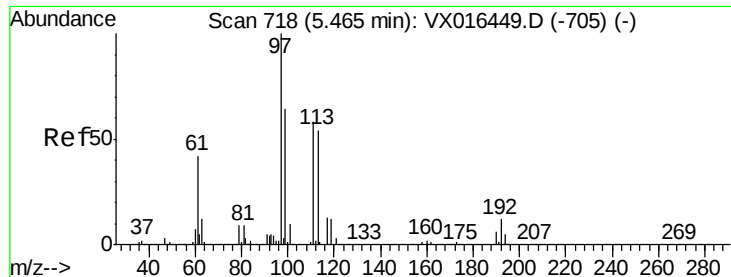
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.4 0.0 32.8

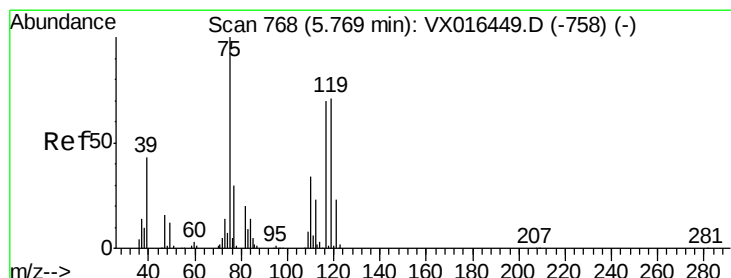
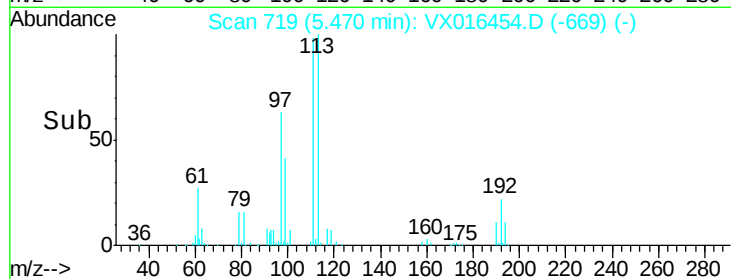
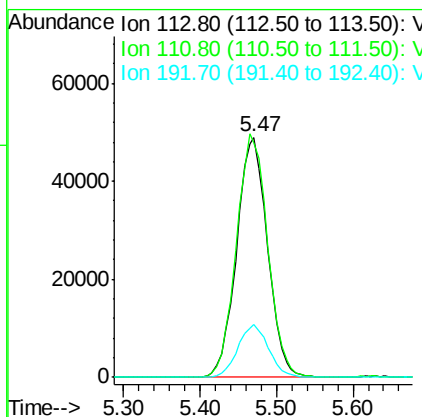
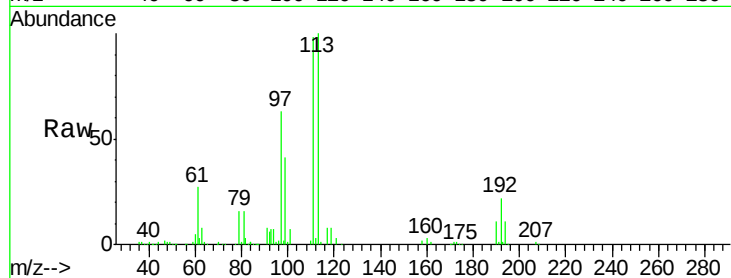




#35
 Dibromofluoromethane
 Concen: 47.391 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

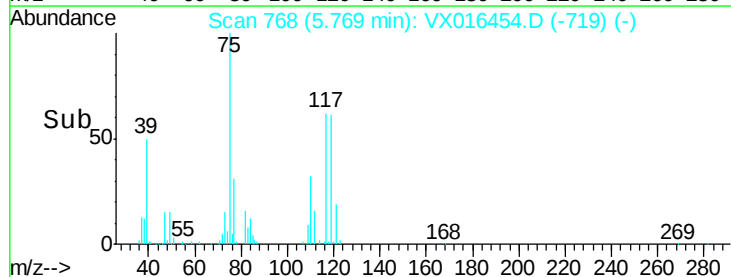
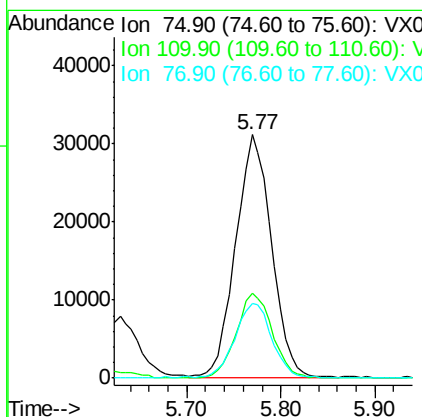
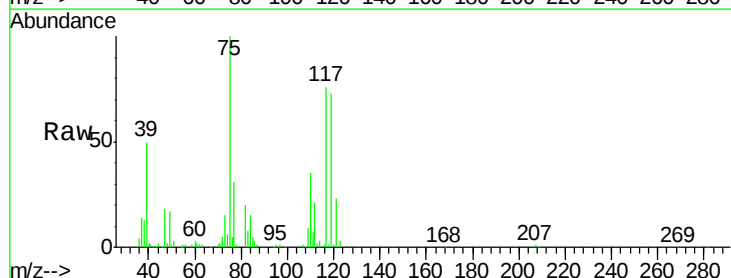
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion:113 Resp: 137385
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.6
 192 21.8 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 18.495 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion: 75 Resp: 82445
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.4 52.3
 77 32.1 24.2 36.4

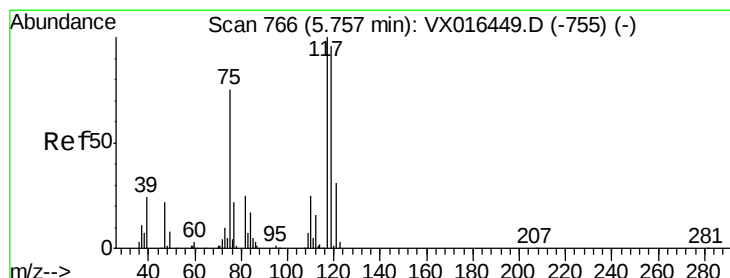
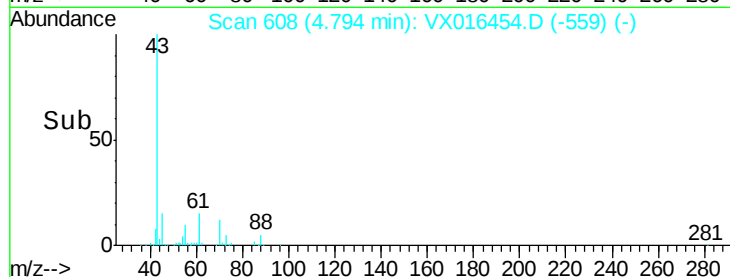
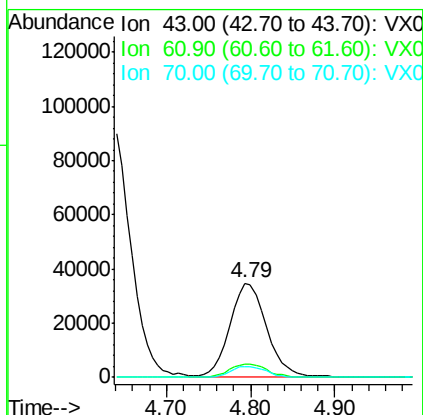
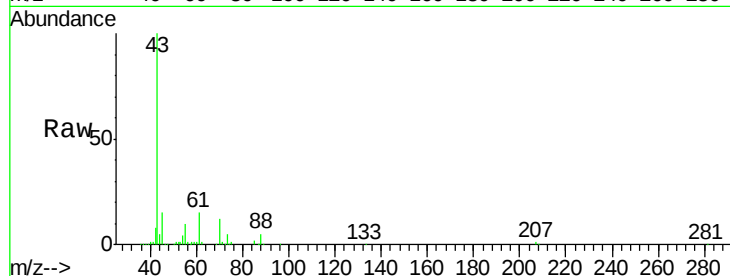




#37
Ethyl Acetate
Concen: 18.868 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

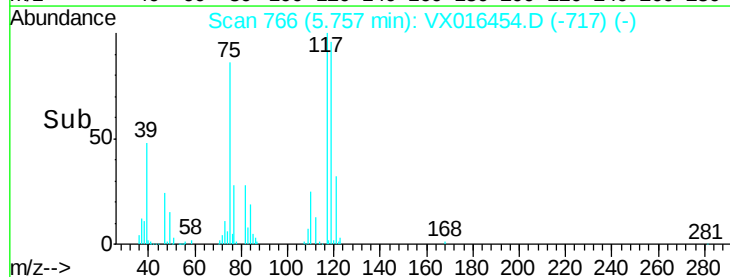
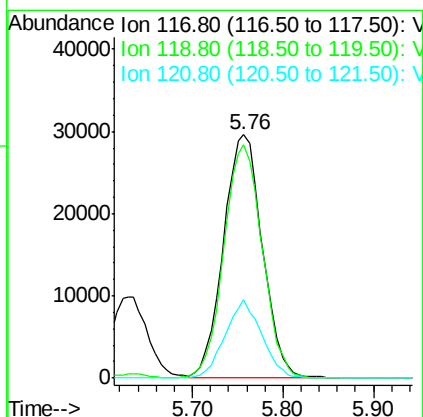
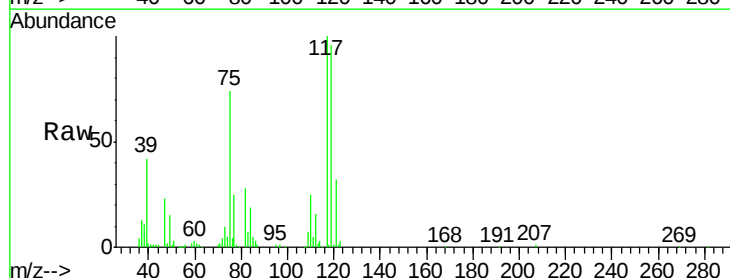
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

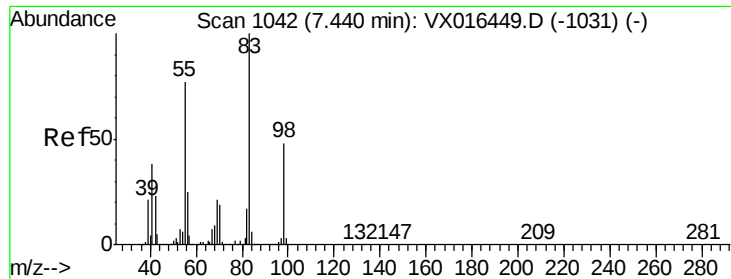
Tot Ion: 43 Resp: 100979
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 12.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 18.718 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 117 Resp: 87683
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 32.2 24.6 37.0

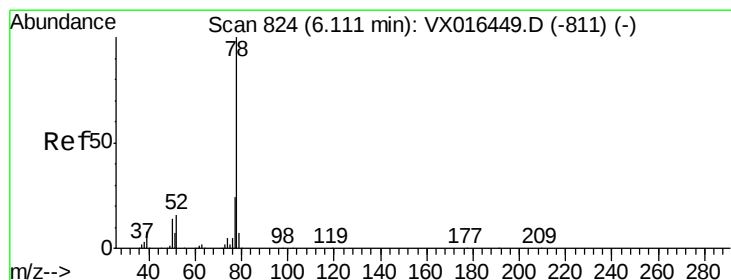
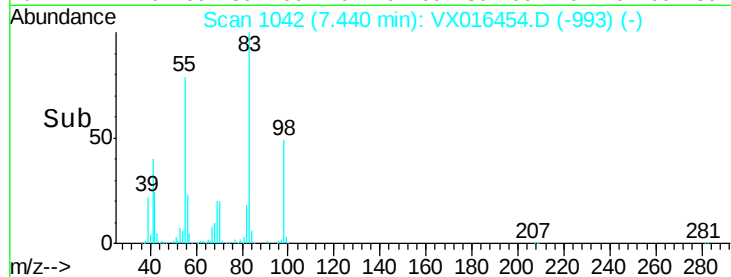
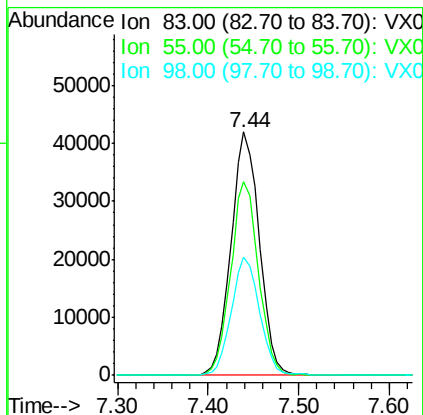
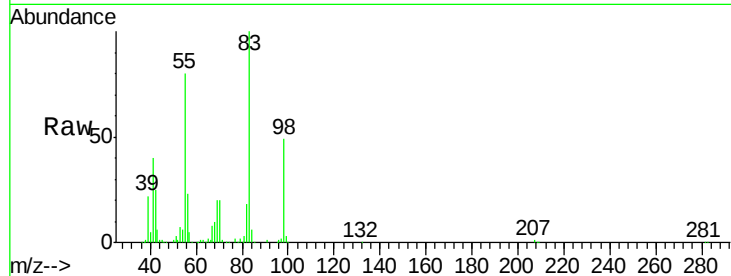




#39
Methvlcvclohexane
Concen: 18.827 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

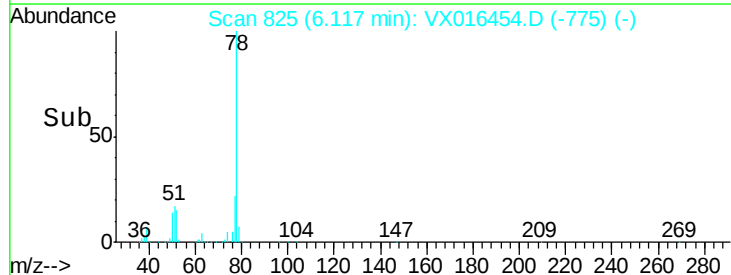
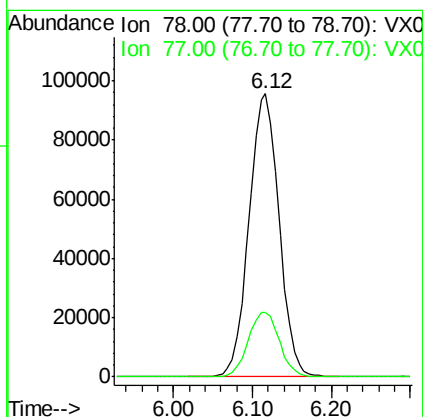
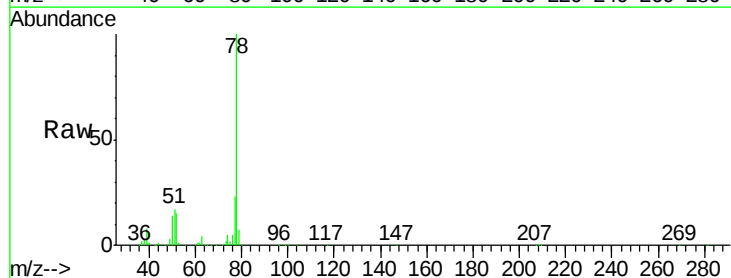
Instrument :
MSVOA_X
ClientSampled :
VX0527WBS01

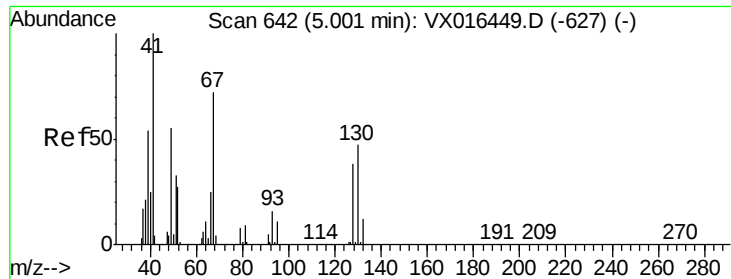
Tot Ion: 83 Resp: 91153
Ion Ratio Lower Upper
83 100
55 79.7 61.7 92.5
98 48.8 38.7 58.1



#40
Benzene
Concen: 19.053 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 78 Resp: 252918
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

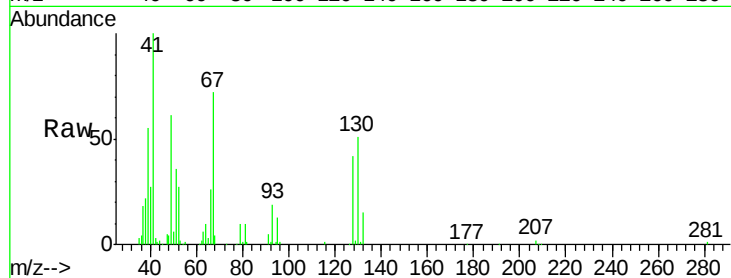




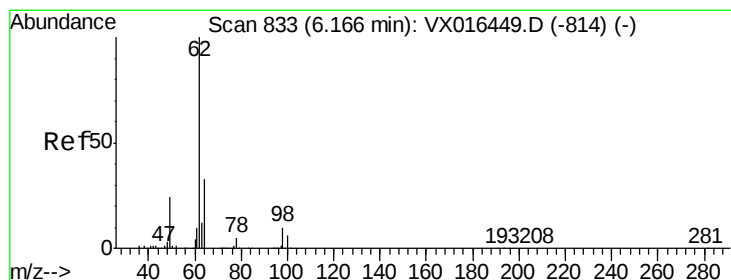
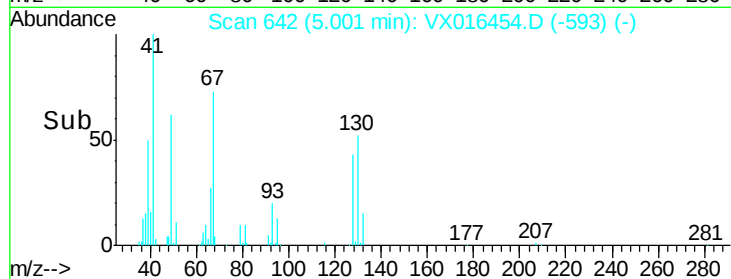
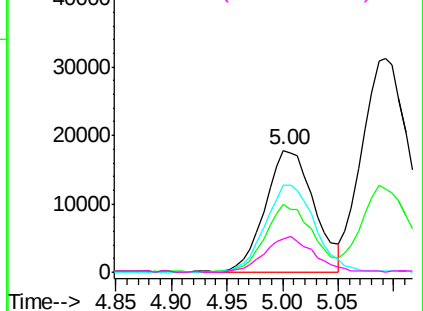
#41
Methacrylonitrile
Concen: 18.667 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

Tot Ion:	41	Resp:	54873
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.0	64.4
67	73.3	58.9	88.3
52	29.4	23.1	34.7

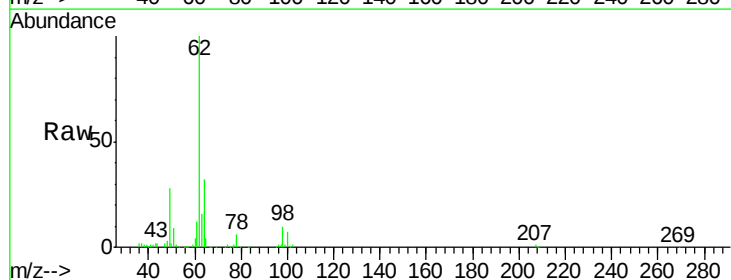


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

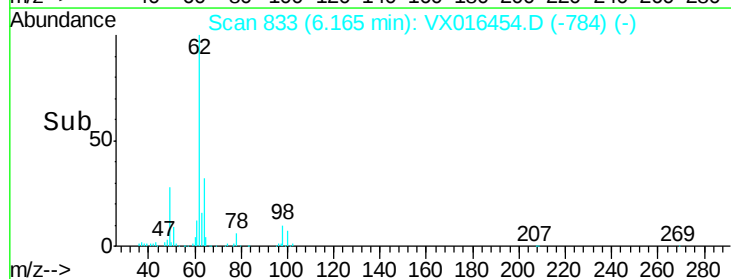
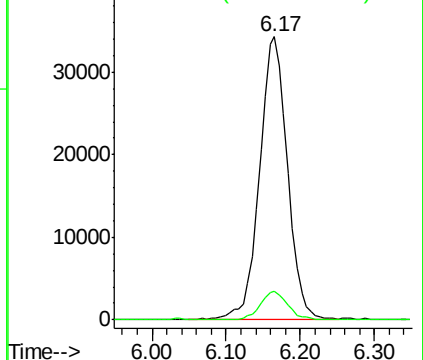


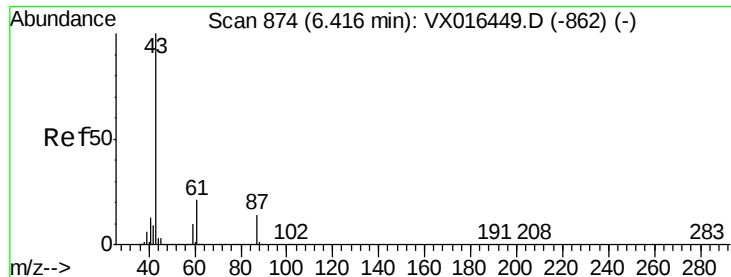
#42
1,2-Dichloroethane
Concen: 18.901 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion:	62	Resp:	89227
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



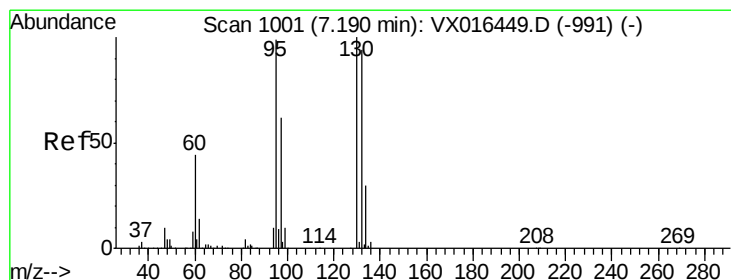
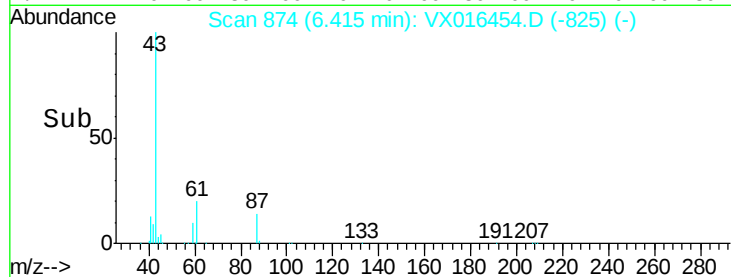
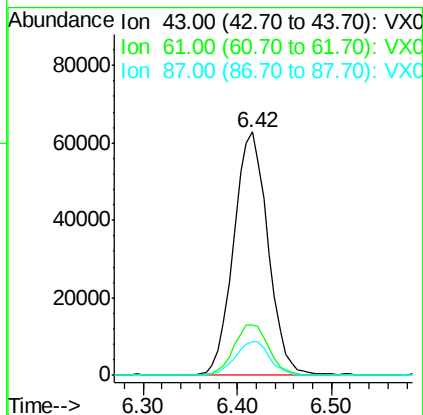
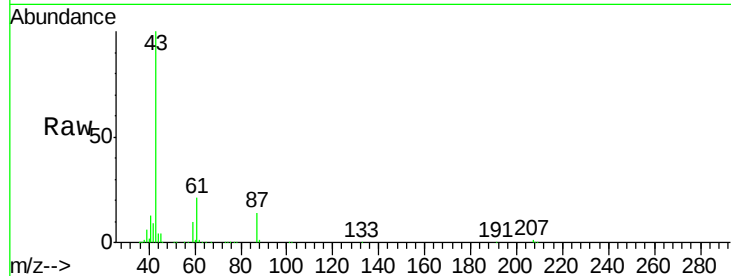


#43

Isopropyl Acetate
 Concen: 18.985 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

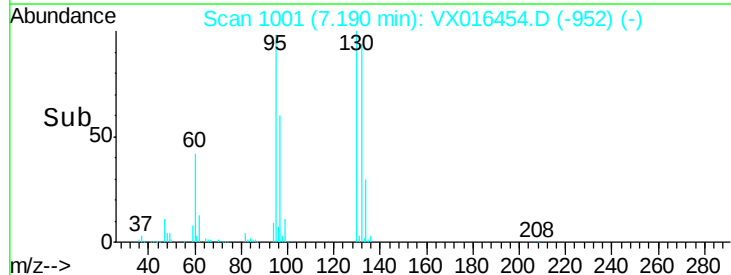
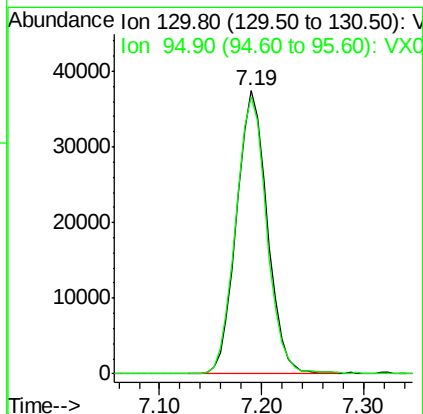
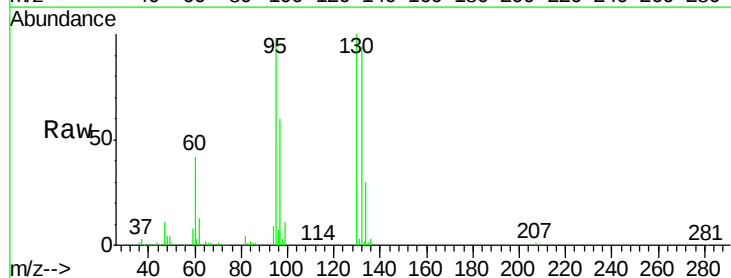
Tot Ion	43	Resp	158479
Ion Ratio	Lower	Upper	
43	100		
61	21.5	16.8	25.2
87	14.1	11.2	16.8

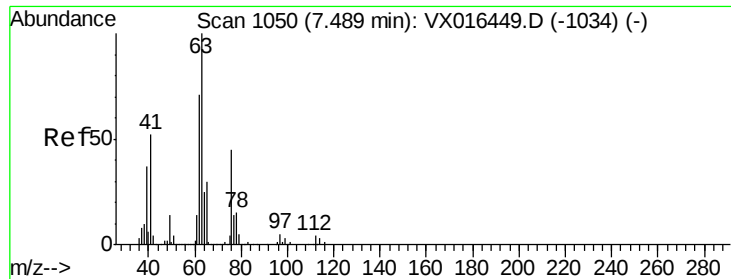


#44

Trichloroethene
 Concen: 18.594 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion	130	Resp	78311
Ion Ratio	Lower	Upper	
130	100		
95	98.1	0.0	198.2





#45

1,2-Dichloropropane

Concen: 19.092 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

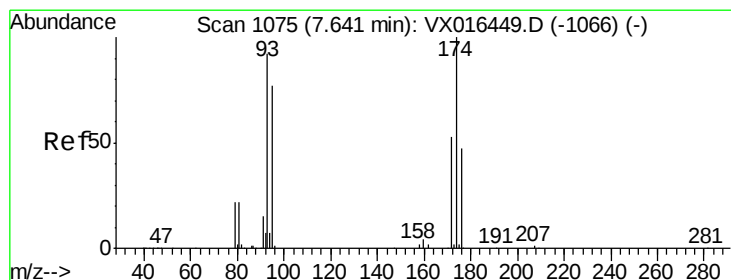
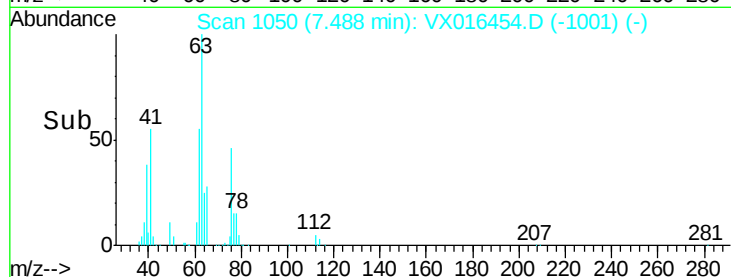
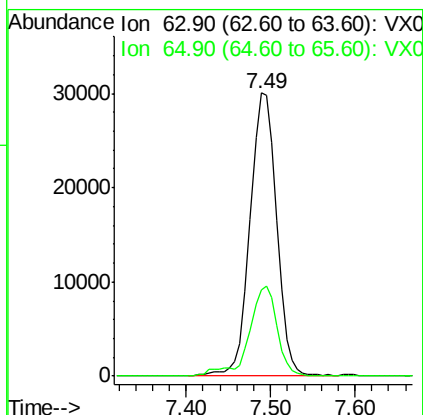
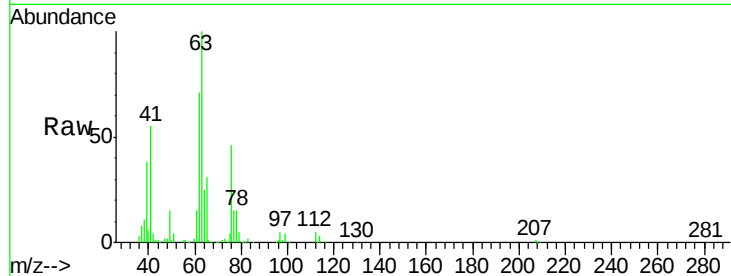
VX0527WBS01

Tot Ion: 63 Resp: 64519

Ion Ratio Lower Upper

63 100

65 30.6 24.2 36.2



#46

Dibromomethane

Concen: 18.617 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

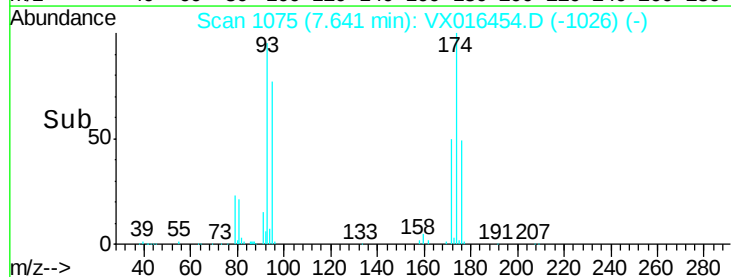
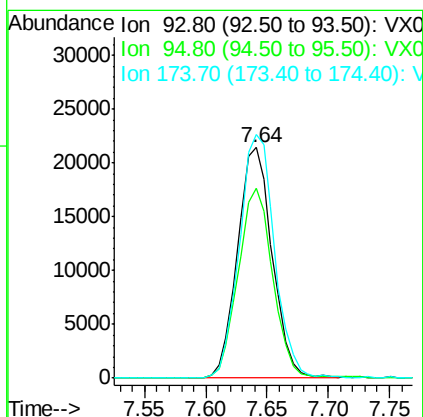
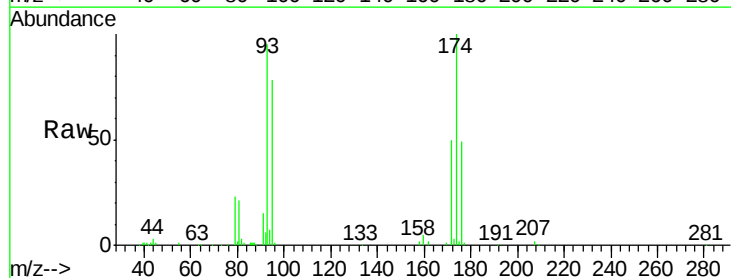
Tgt Ion: 93 Resp: 42257

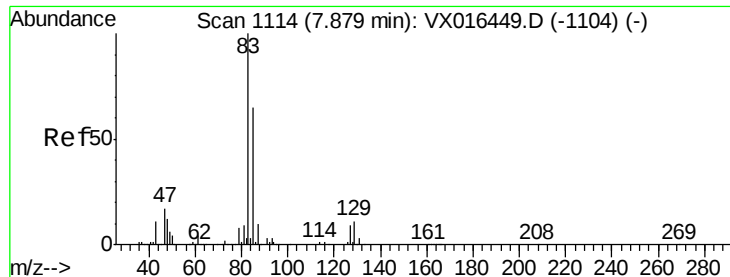
Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 107.1 86.2 129.4





#47

Bromodichloromethane

Concen: 18.700 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

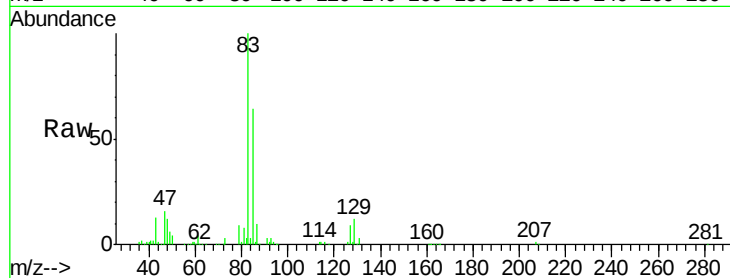
Tot Ion: 83 Resp: 87887

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0

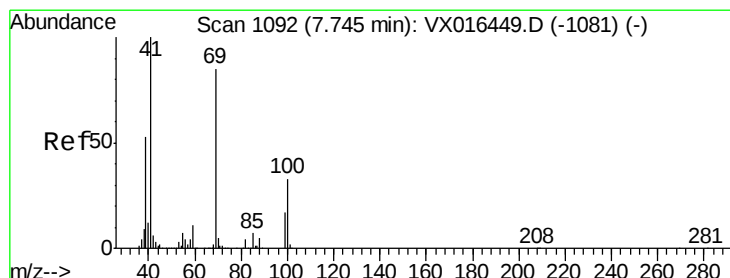
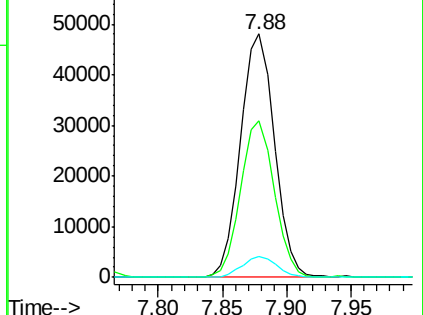
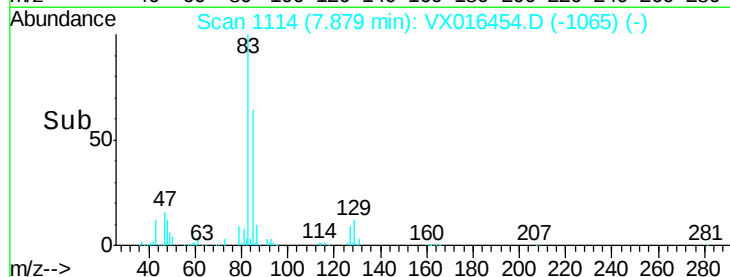
127 8.8 7.4 11.0



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: 18.545 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

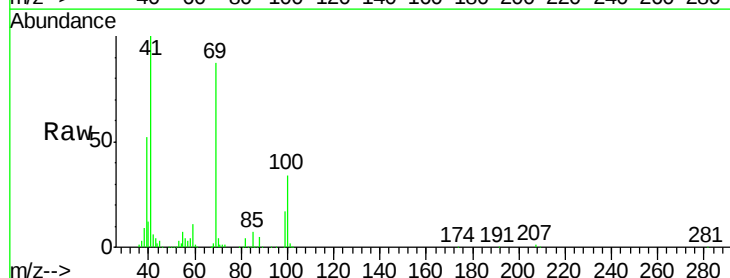
Tgt Ion: 41 Resp: 74123

Ion Ratio Lower Upper

41 100

69 88.1 68.6 102.8

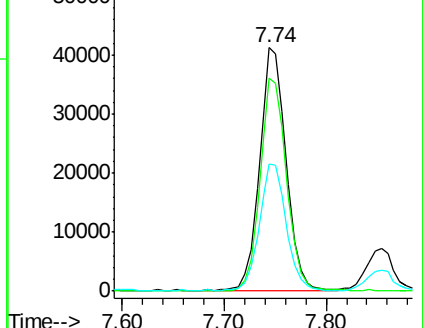
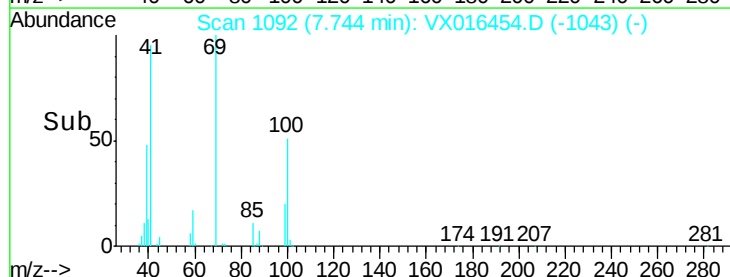
39 52.6 42.4 63.6

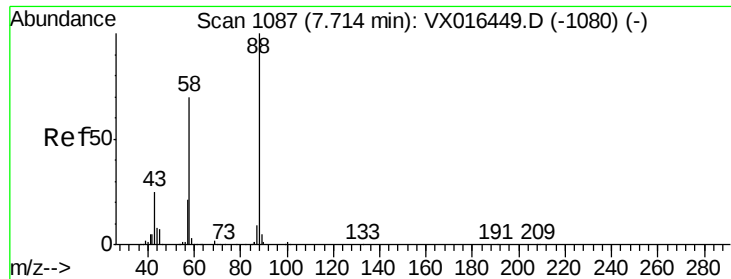


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 363.393 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VX0527WBS01

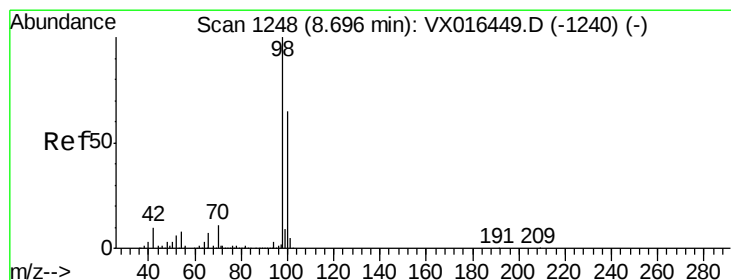
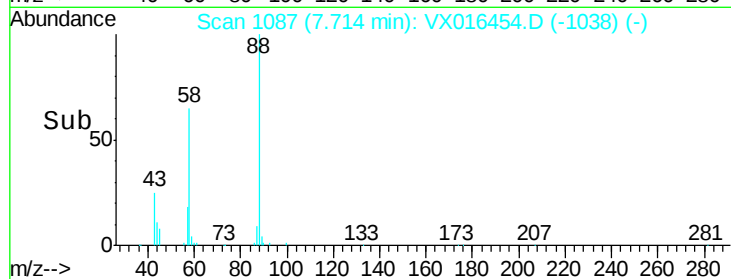
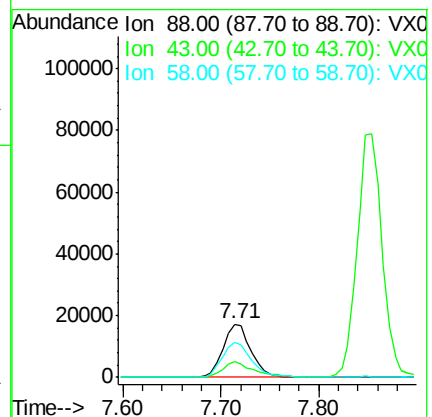
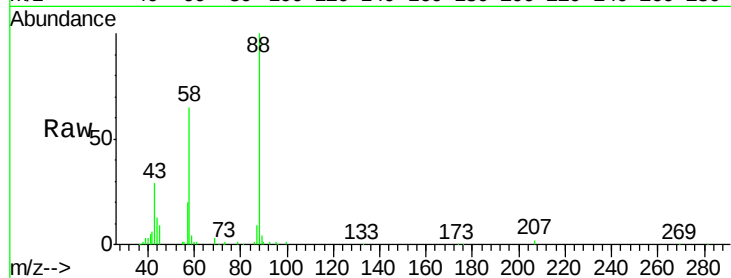
Tot Ion: 88 Resp: 33991

Ion Ratio Lower Upper

88 100

43 32.0 24.2 36.4

58 69.2 56.5 84.7



#50

Toluene-d8

Concen: 48.148 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016454.D

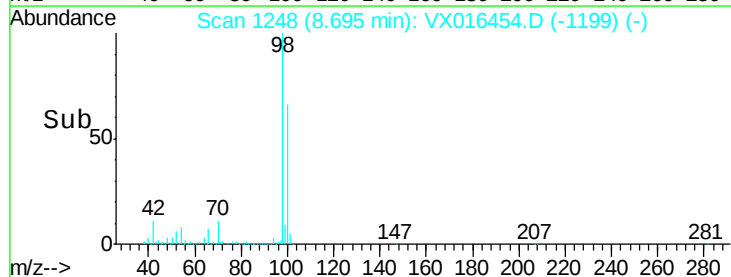
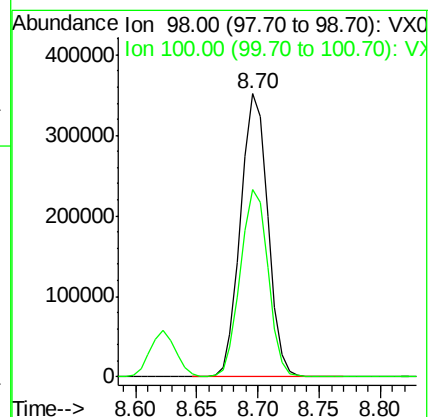
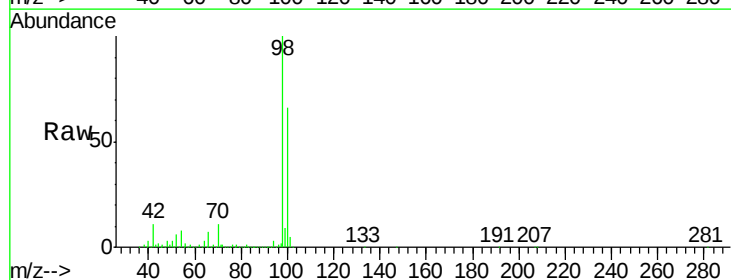
Acq: 27 May 2020 18:45

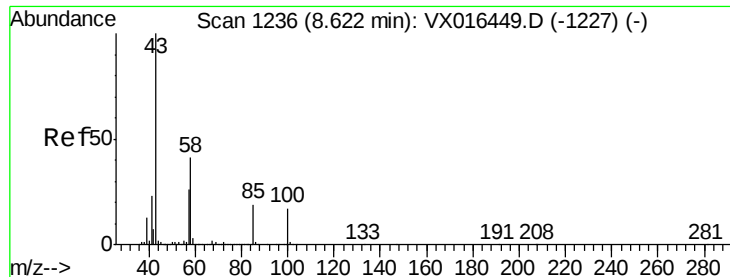
Tgt Ion: 98 Resp: 543265

Ion Ratio Lower Upper

98 100

100 67.2 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 96.785 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

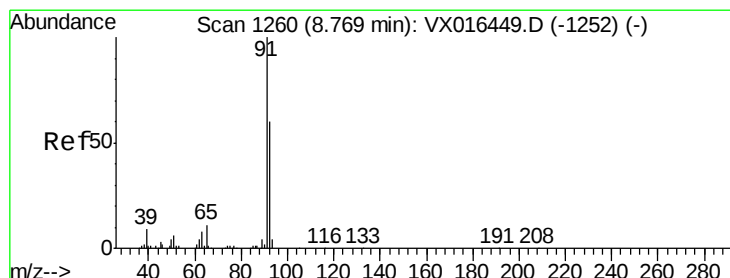
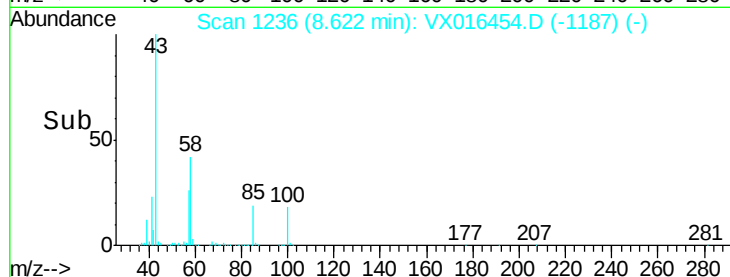
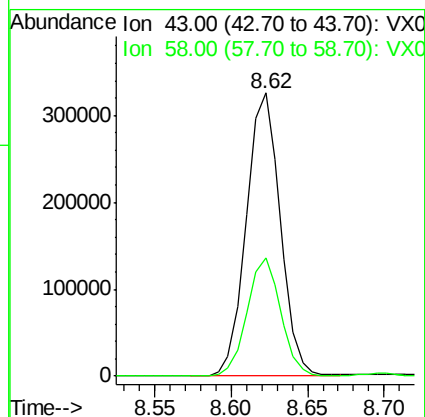
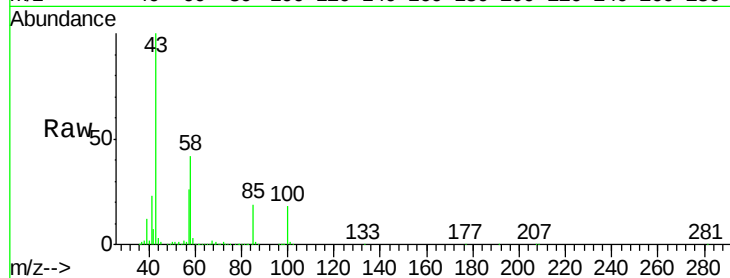
VX0527WBS01

Tot Ion: 43 Resp: 503070

Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.6



#52

Toluene

Concen: 19.294 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016454.D

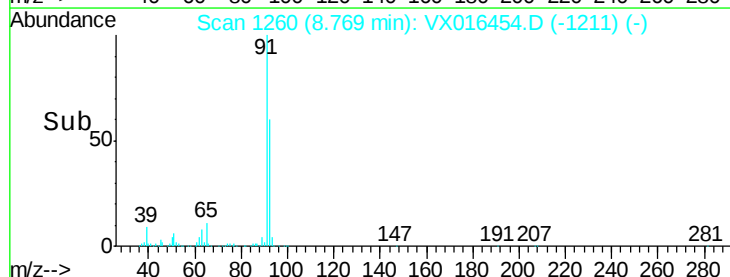
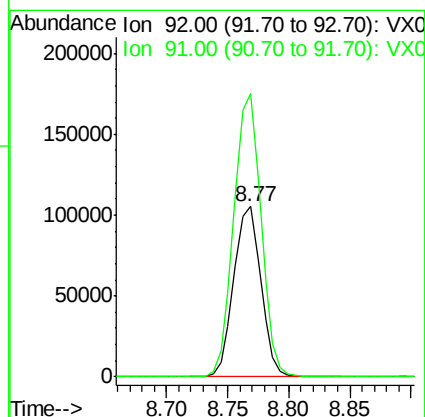
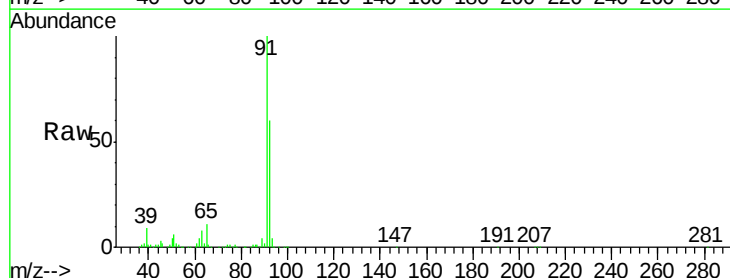
Acq: 27 May 2020 18:45

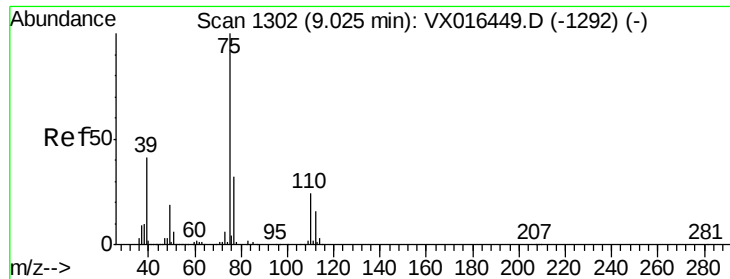
Tgt Ion: 92 Resp: 161510

Ion Ratio Lower Upper

92 100

91 166.8 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 18.645 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

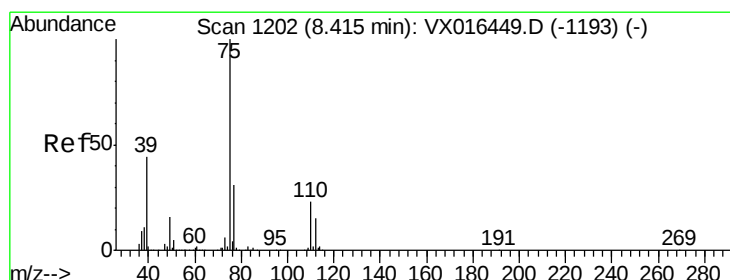
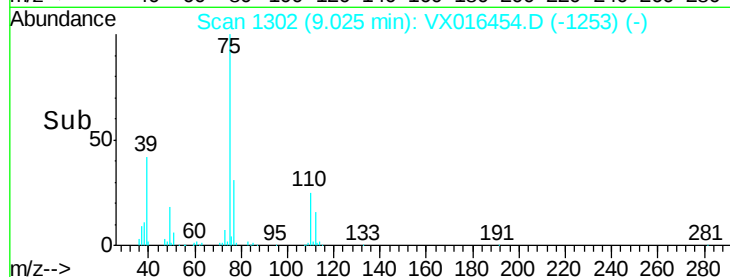
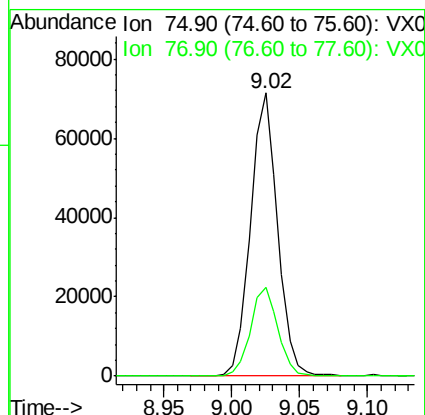
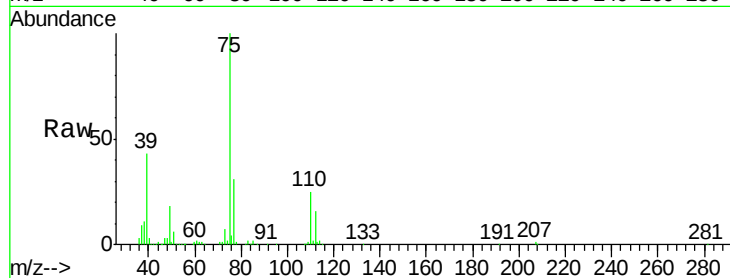
VX0527WBS01

Tot Ion: 75 Resp: 99644

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.864 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

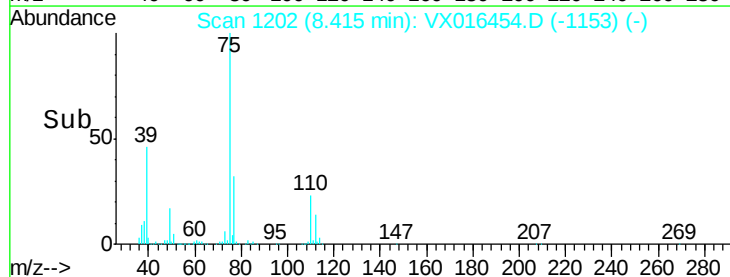
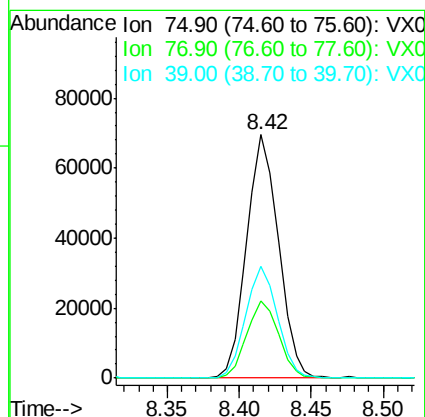
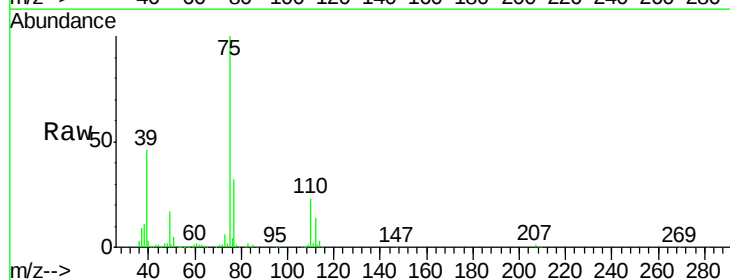
Tgt Ion: 75 Resp: 106708

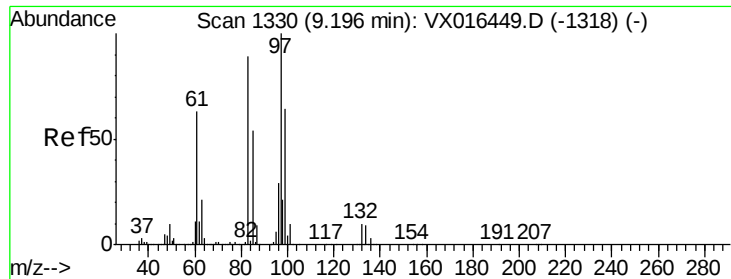
Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 45.5 35.3 52.9

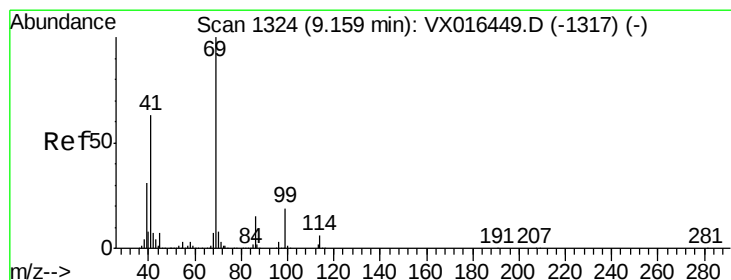
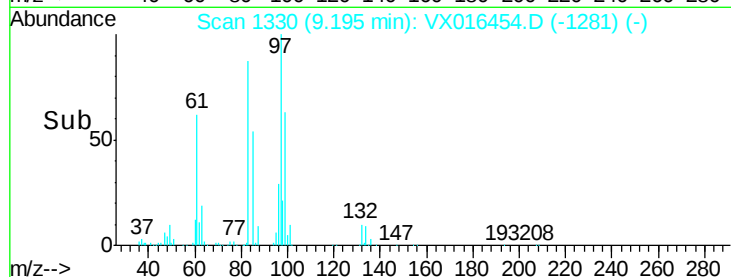
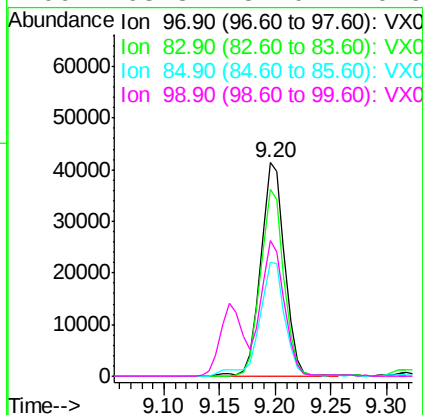
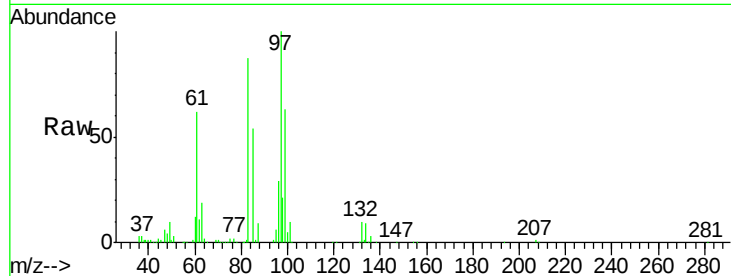




#55
 1,1,2-Trichloroethane
 Concen: 18.799 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

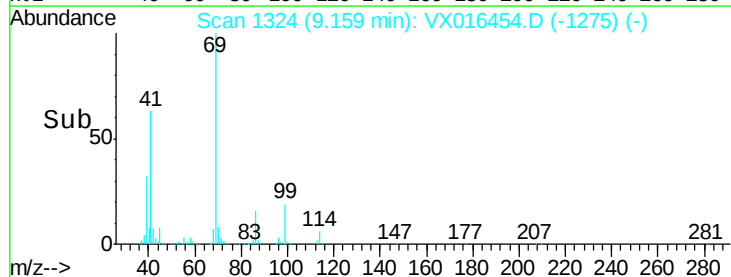
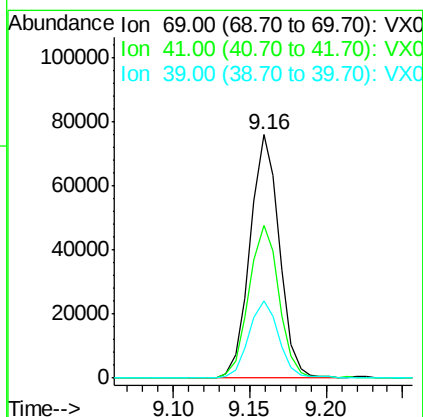
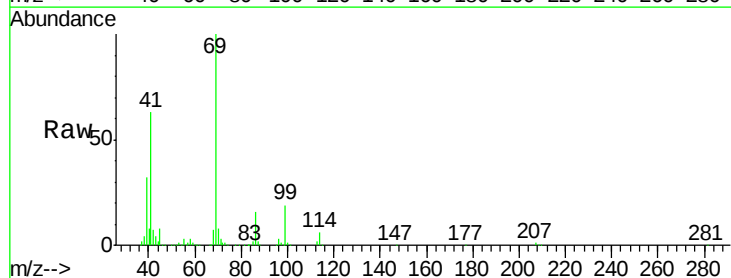
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

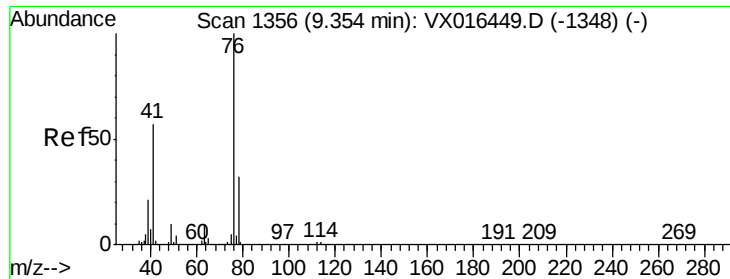
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.9	106.3
85	53.6	43.4	65.2
99	63.3	51.0	76.6



#56
 Ethyl methacrylate
 Concen: 18.805 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.7	50.7	76.1
39	32.7	25.8	38.6

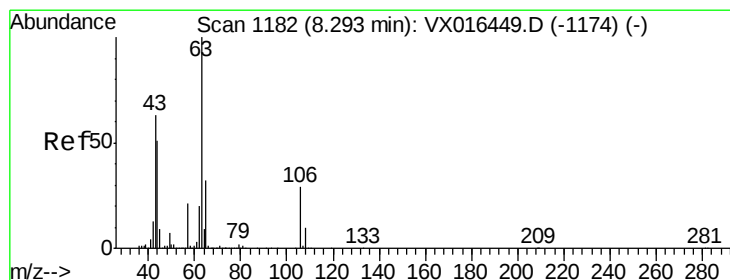
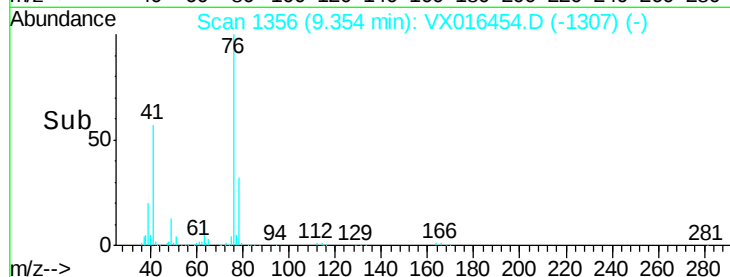
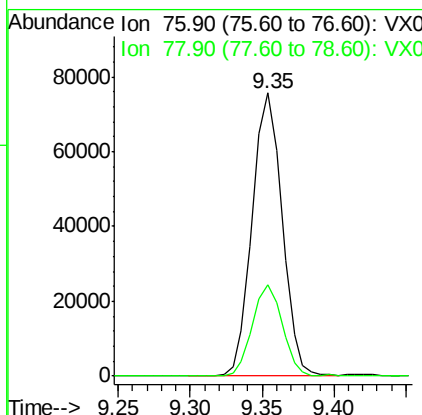
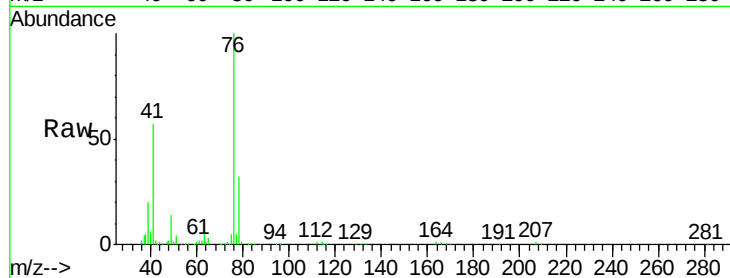




#57
 1,3-Dichloropropane
 Concen: 19.062 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

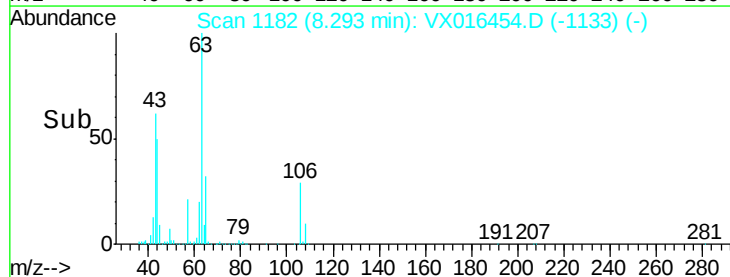
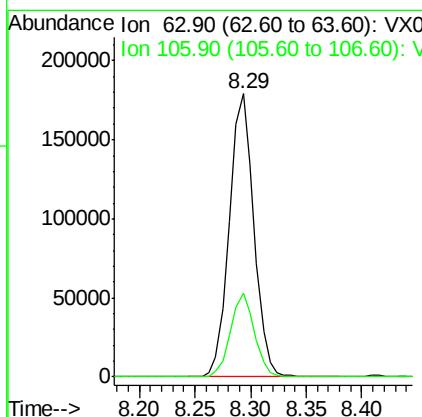
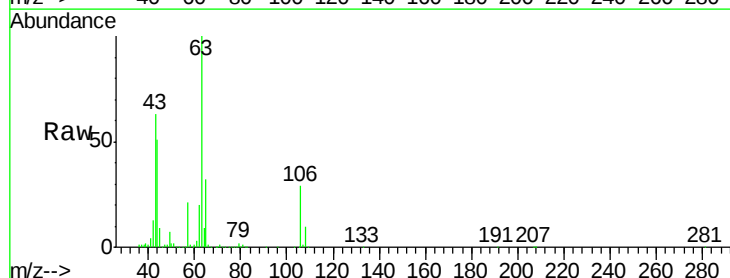
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

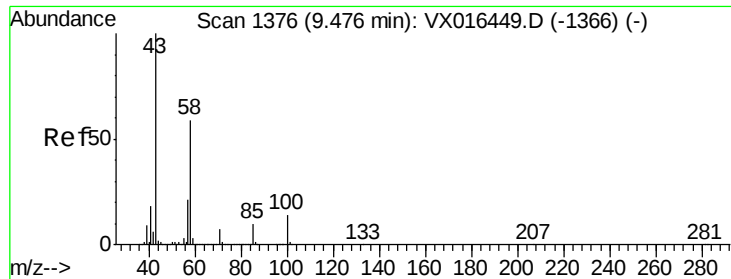
Tot Ion: 76 Resp: 108896
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.760 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion: 63 Resp: 273761
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.2 34.8

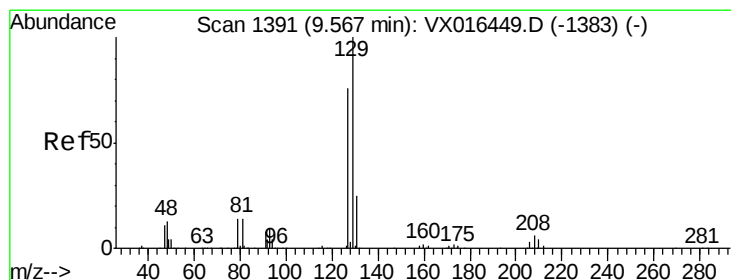
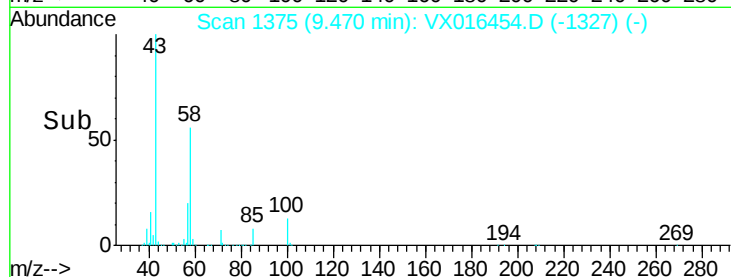
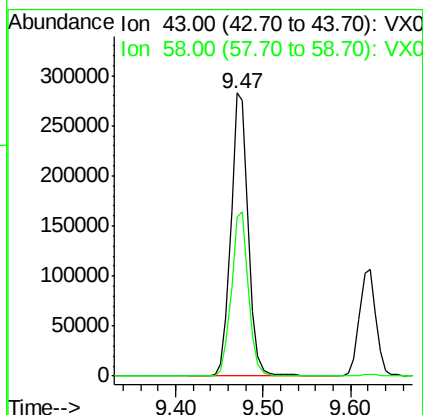
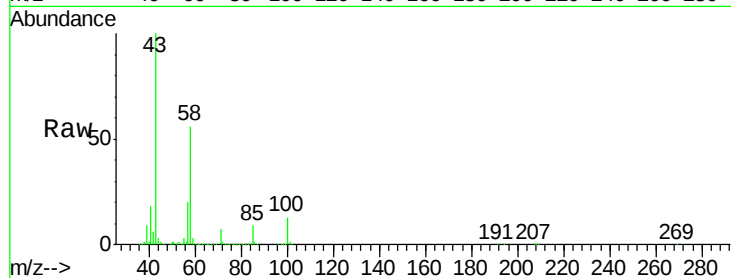




#59
2-Hexanone
Concen: 96.581 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

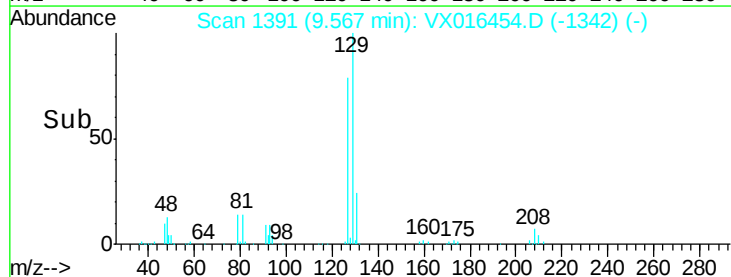
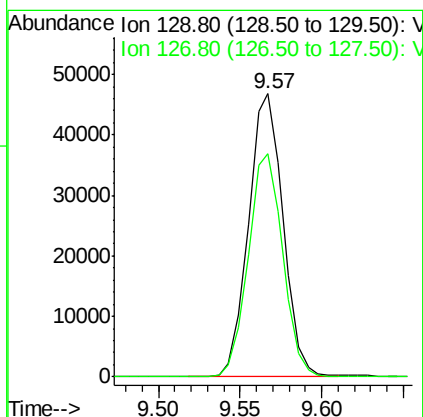
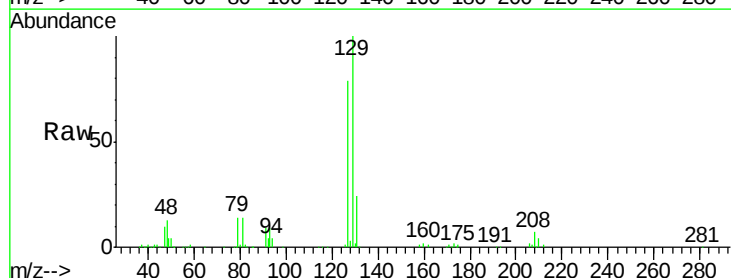
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

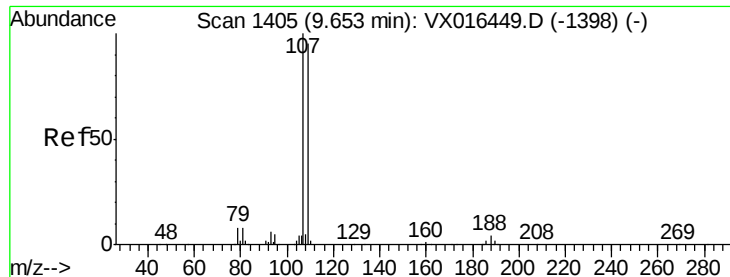
Tot Ion: 43 Resp: 390394
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4



#60
Dibromochloromethane
Concen: 18.412 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 129 Resp: 68961
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.521 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

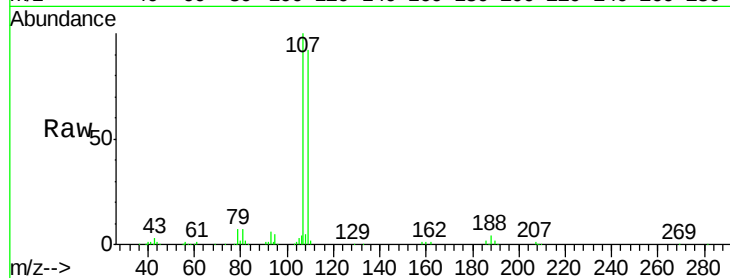
VX0527WBS01

Tot Ion:107 Resp: 66012

Ion Ratio Lower Upper

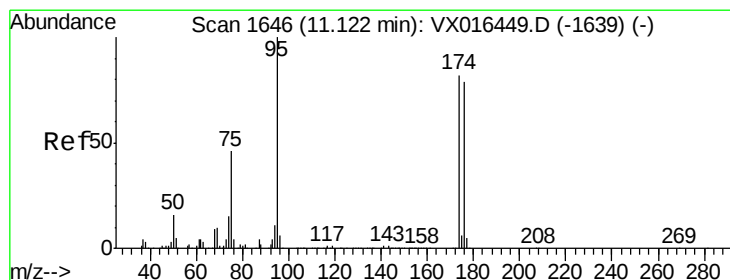
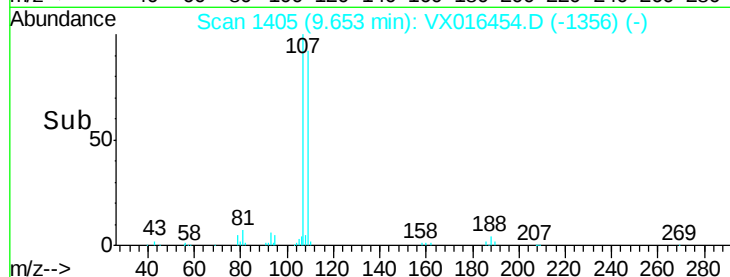
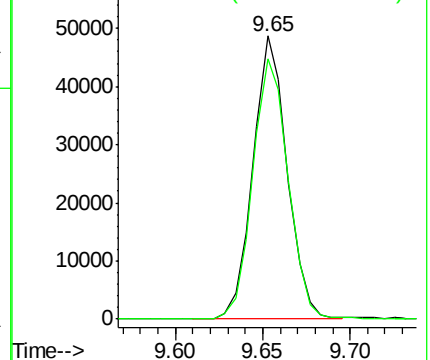
107 100

109 95.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

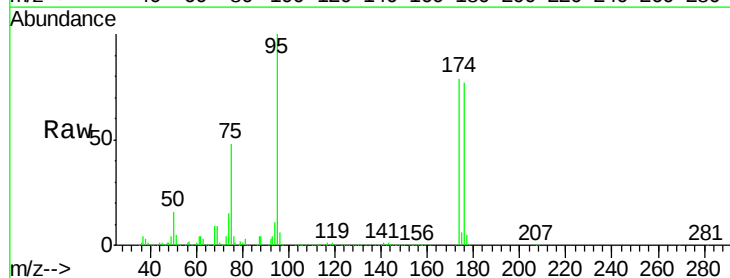
Tgt Ion: 95 Resp: 203591

Ion Ratio Lower Upper

95 100

174 80.8 0.0 163.0

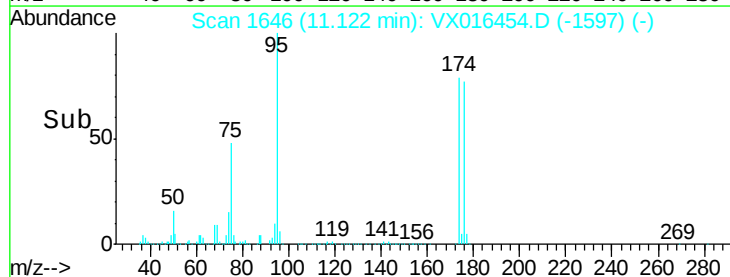
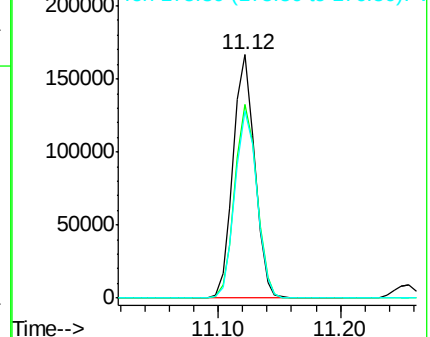
176 78.1 0.0 156.8

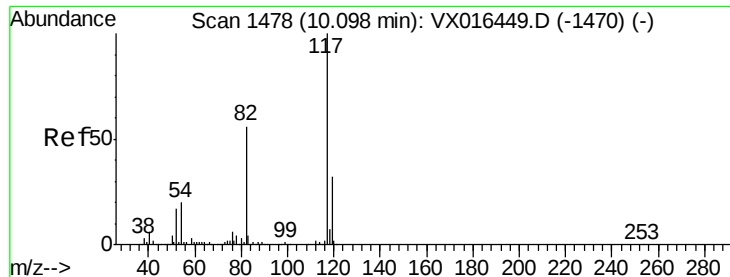


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

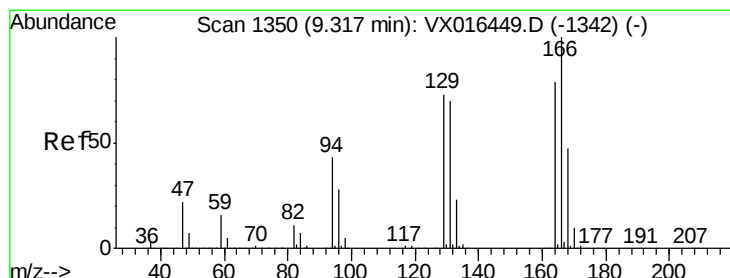
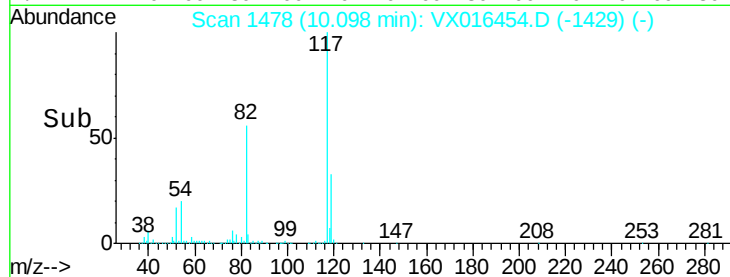
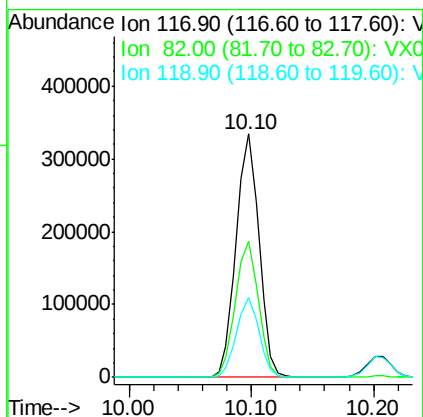
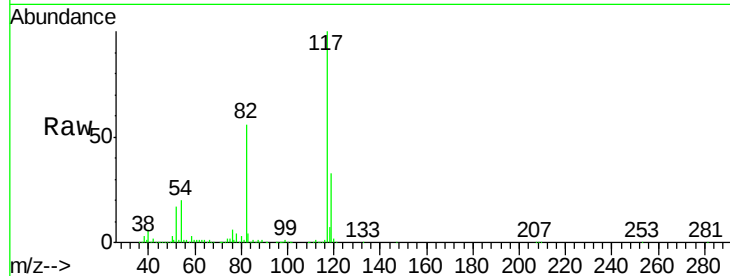




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

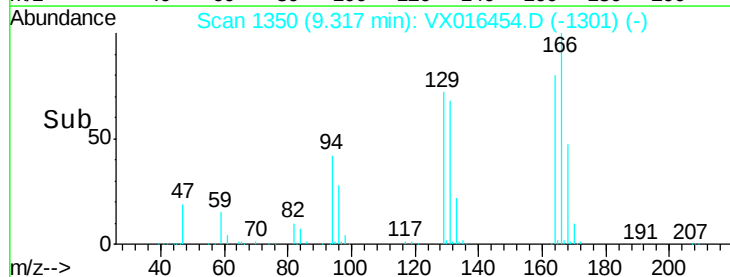
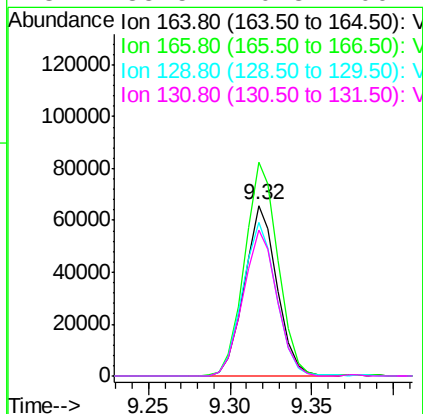
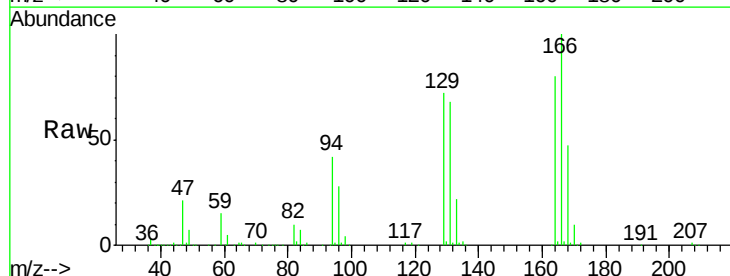
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

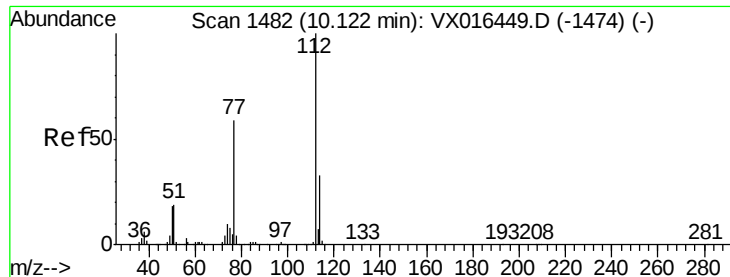
Tot Ion:117 Resp: 434392
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 32.9 25.8 38.8



#64
Tetrachloroethene
Concen: 18.850 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion:164 Resp: 91609
Ion Ratio Lower Upper
164 100
166 125.3 100.9 151.3
129 89.8 73.2 109.8
131 85.5 70.8 106.2





#65

Chlorobenzene

Concen: 18.776 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

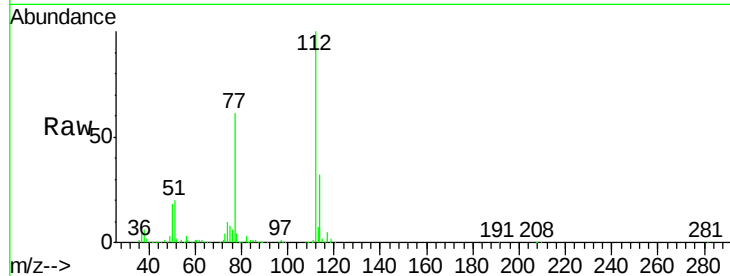
VX0527WBS01

Tot Ion:112 Resp: 166284

Ion Ratio Lower Upper

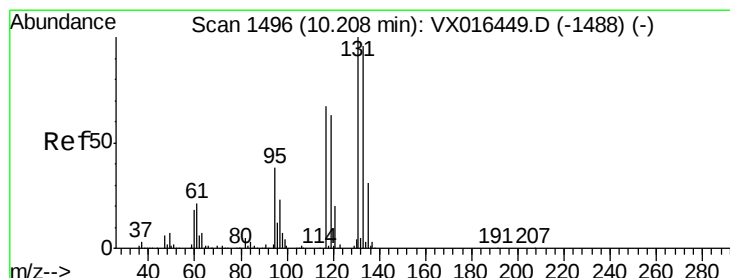
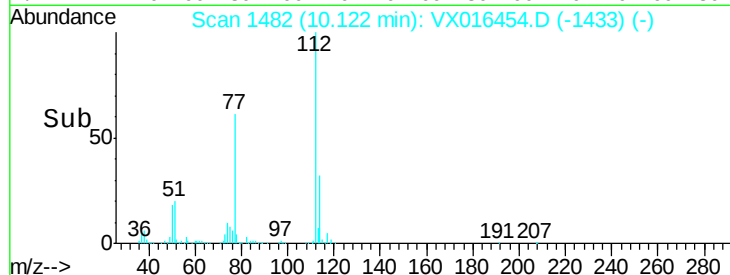
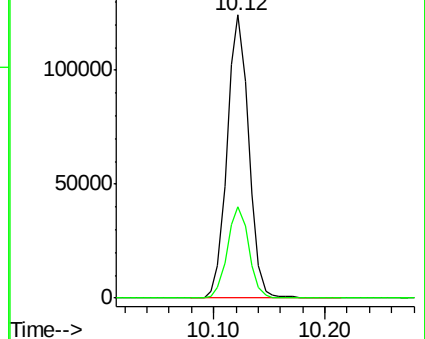
112 100

114 32.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.560 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

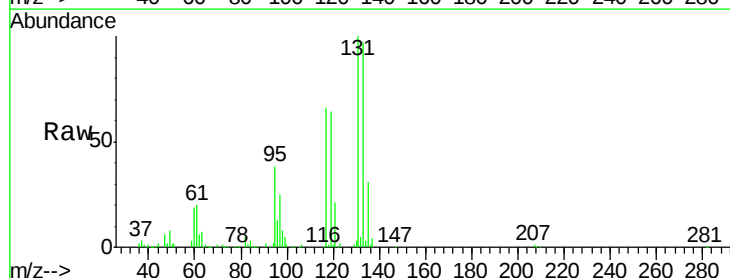
Tgt Ion:131 Resp: 62745

Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.3

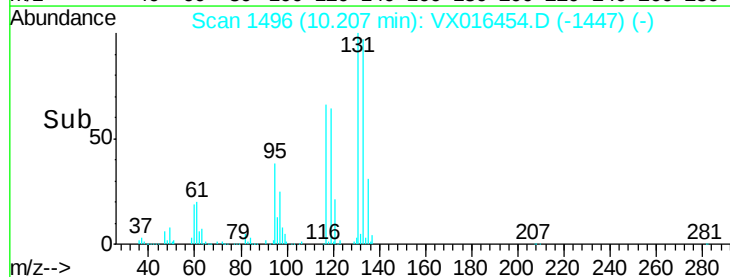
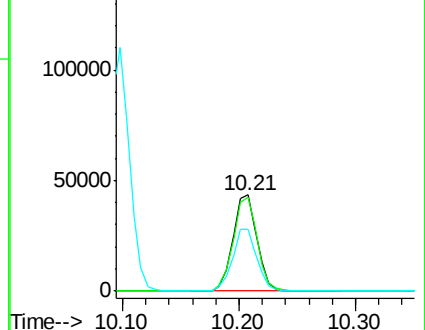
119 65.6 32.0 96.2

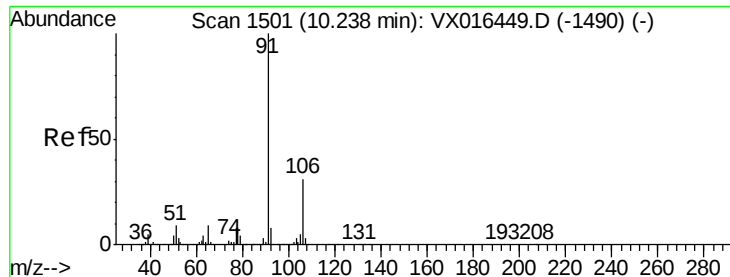


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

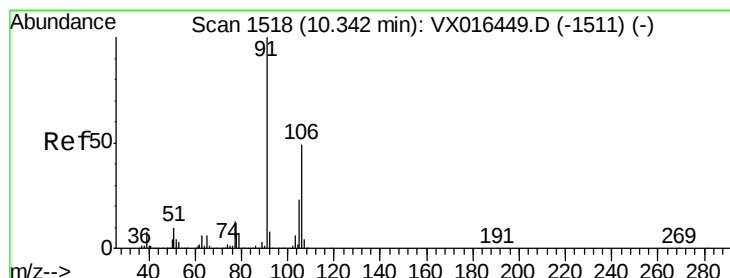
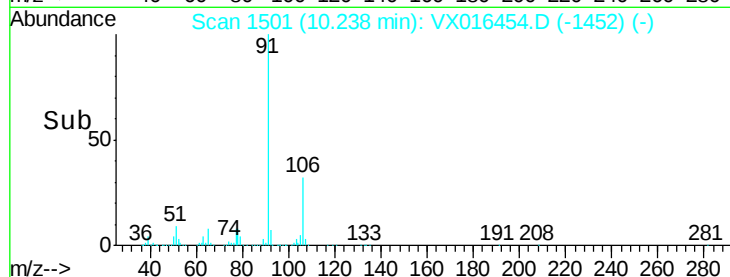
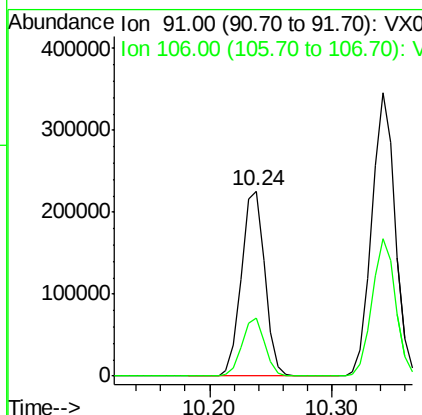
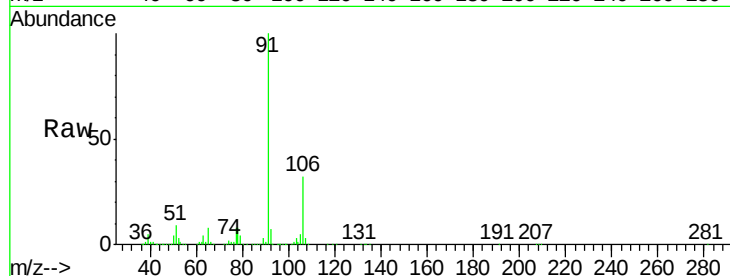




#67
Ethyl Benzene
Concen: 18.996 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

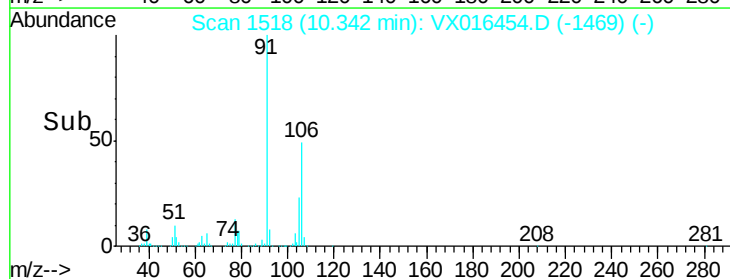
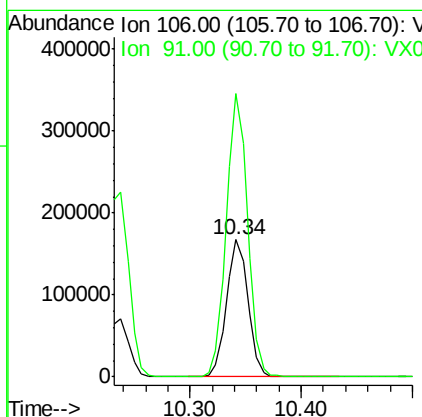
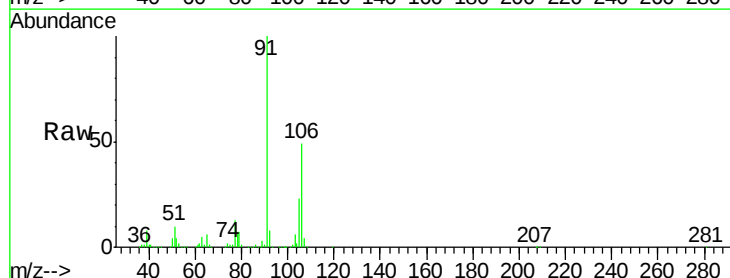
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

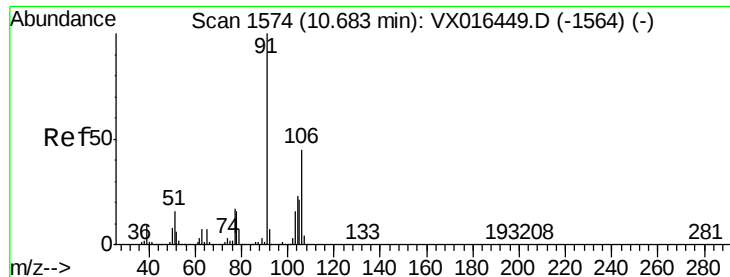
Tot Ion: 91 Resp: 299522
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4



#68
m/p-Xylenes
Concen: 38.299 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 106 Resp: 223900
Ion Ratio Lower Upper
106 100
91 204.7 163.8 245.8

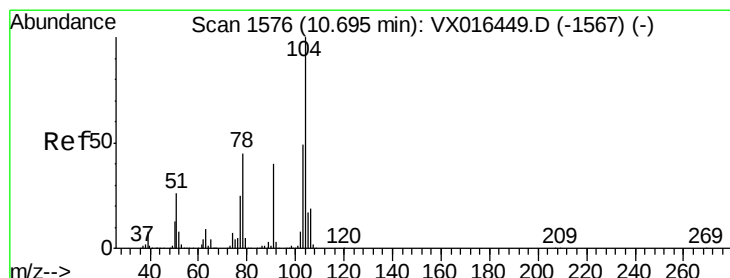
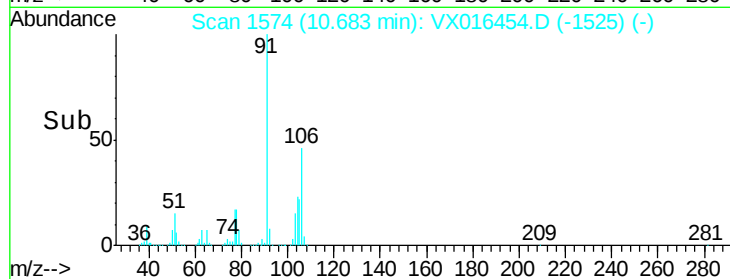
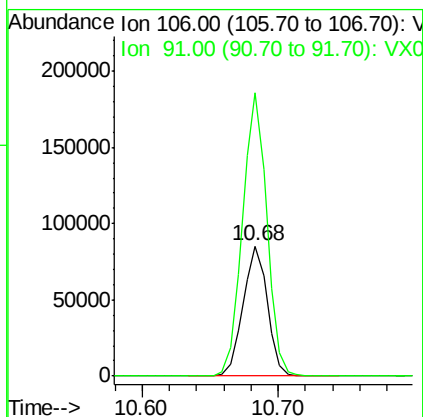
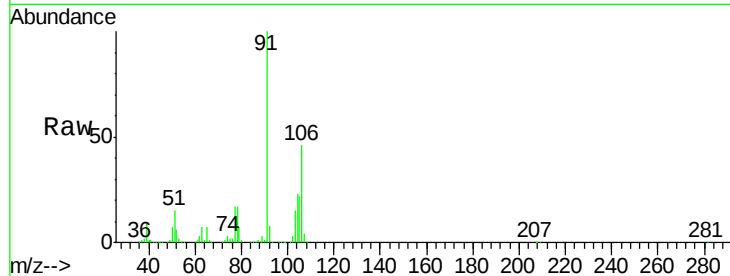




#69
o-Xylene
Concen: 18.779 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

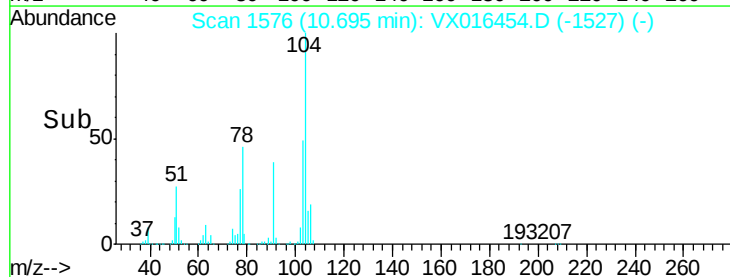
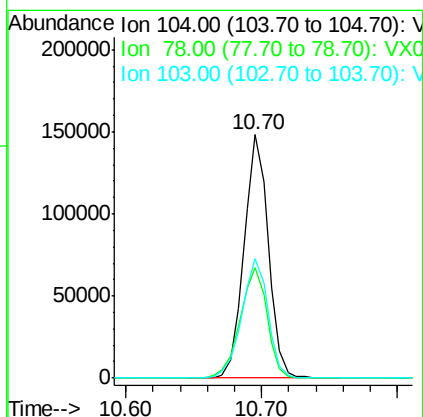
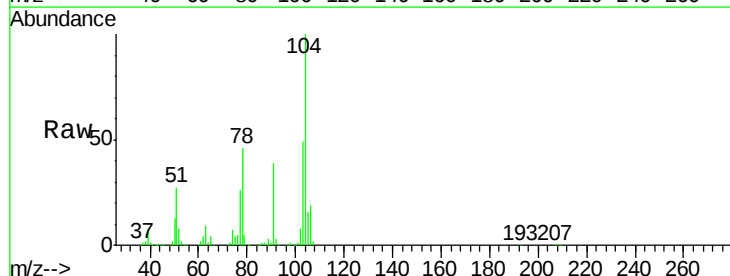
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBS01

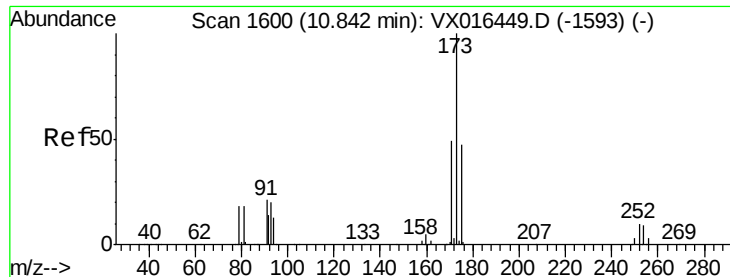
Tot Ion:106 Resp: 106320
Ion Ratio Lower Upper
106 100
91 217.9 109.6 328.8



#70
Styrene
Concen: 18.959 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion:104 Resp: 184499
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 53.6 43.1 64.7





#71

Bromoform

Concen: 18.216 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VX0527WBS01

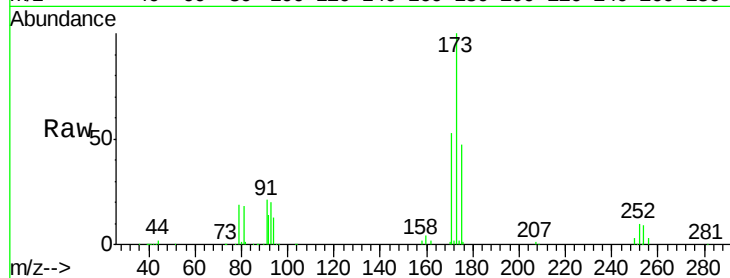
Tot Ion:173 Resp: 52045

Ion Ratio Lower Upper

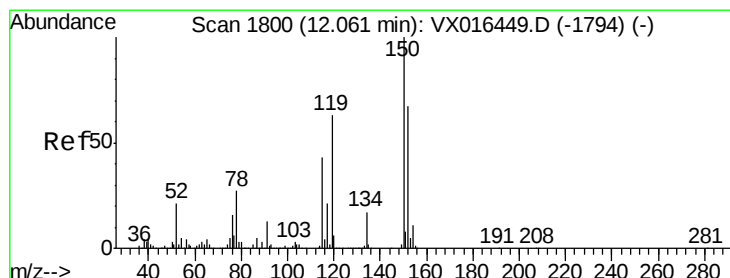
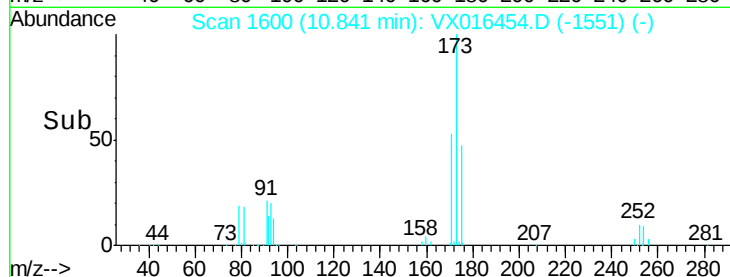
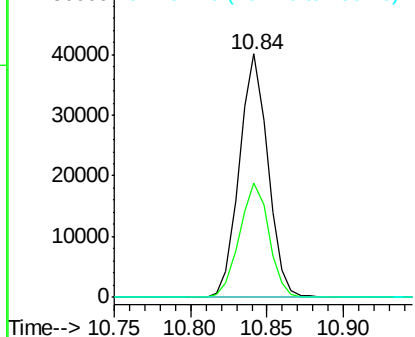
173 100

175 48.4 23.9 71.7

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: VX016454.D

Acq: 27 May 2020 18:45

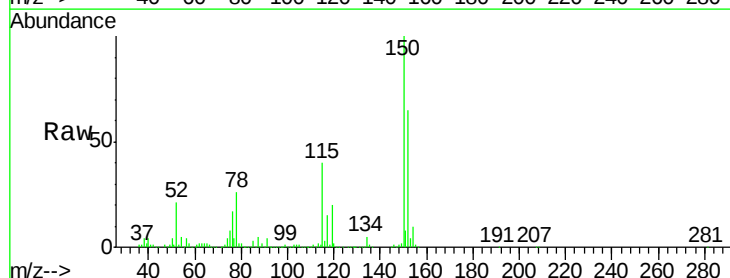
Tgt Ion:152 Resp: 214009

Ion Ratio Lower Upper

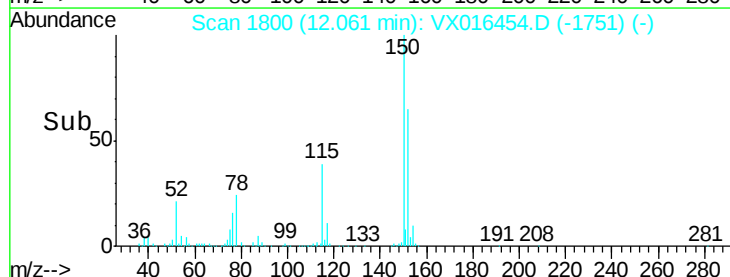
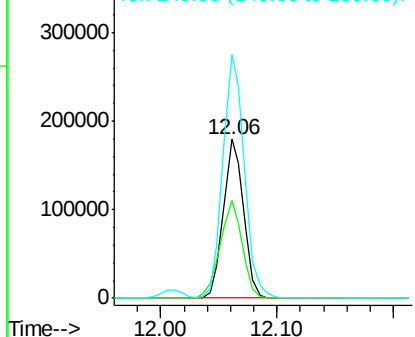
152 100

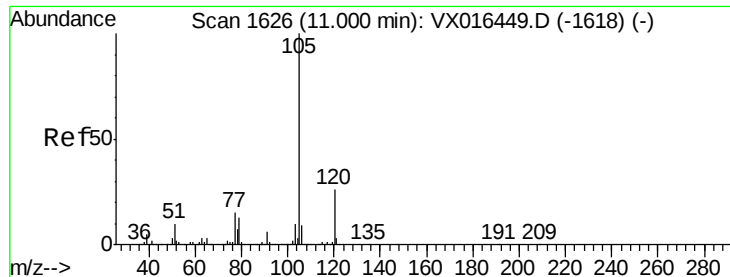
115 67.2 39.9 119.6

150 163.0 0.0 341.0



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





#73

Isopropylbenzene

Concen: 19.090 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

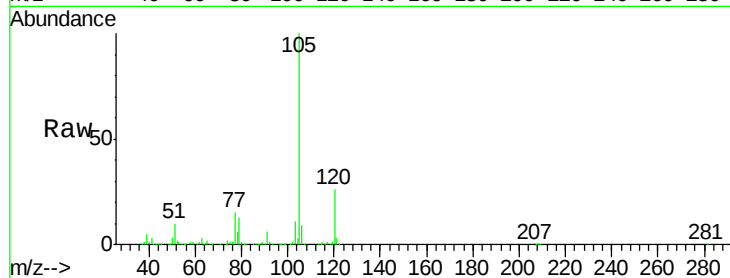
VX0527WBS01

Tot Ion: 105 Resp: 283066

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

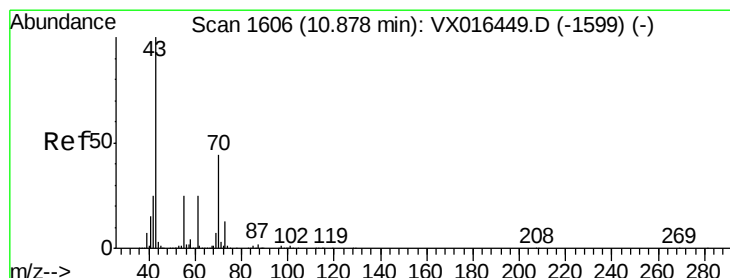
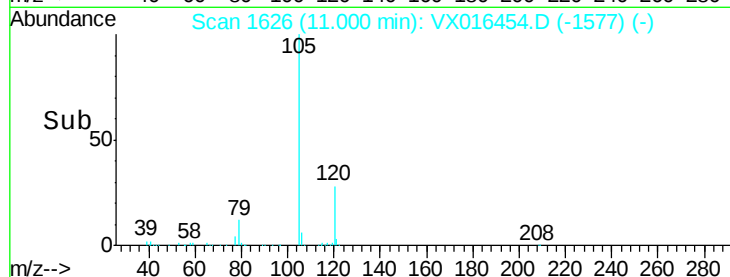
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.250 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Tgt Ion: 43 Resp: 131295

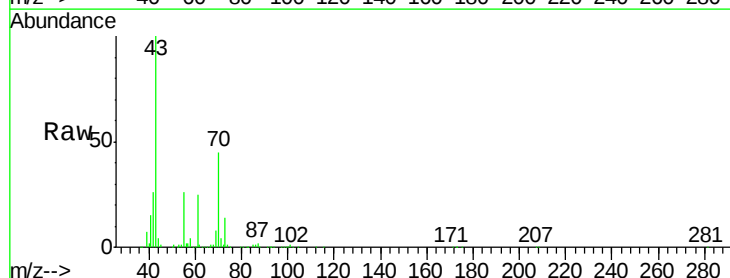
Ion Ratio Lower Upper

43 100

70 45.6 36.1 54.1

55 25.6 20.2 30.4

61 25.6 20.3 30.5



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

150000

100000

50000

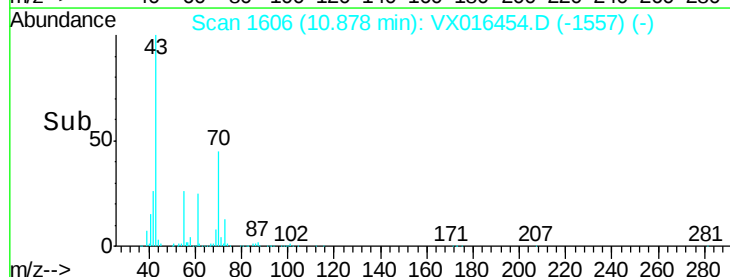
0

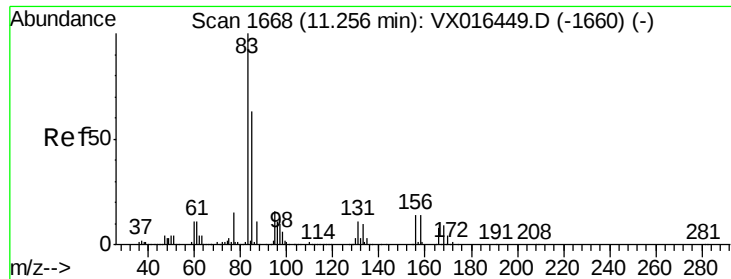
10.88

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.201 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

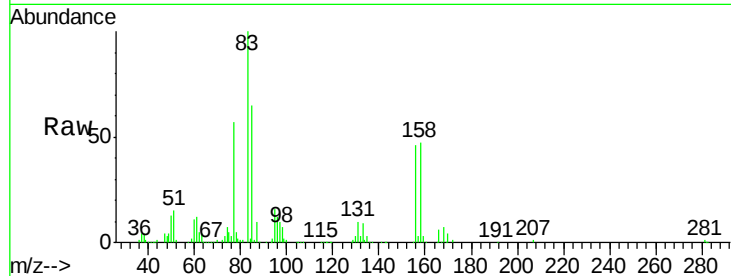
Tot Ion: 83 Resp: 71356

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

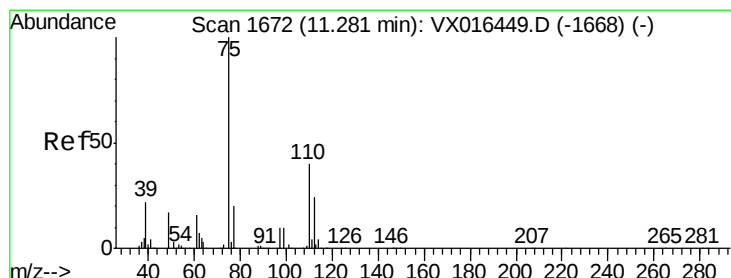
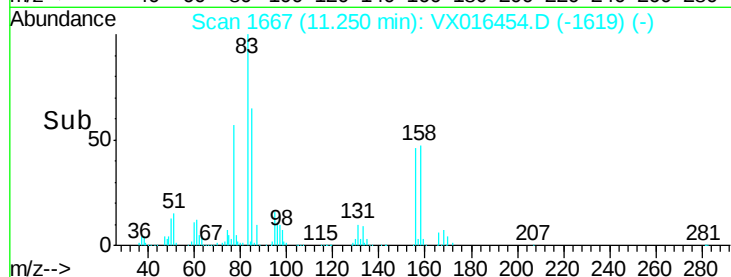
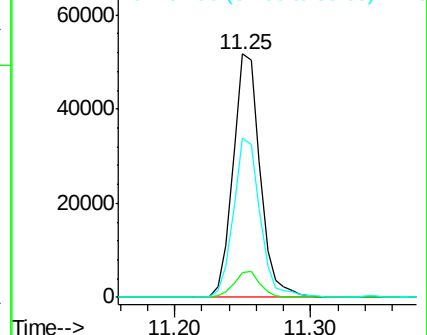
85 64.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.389 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016454.D

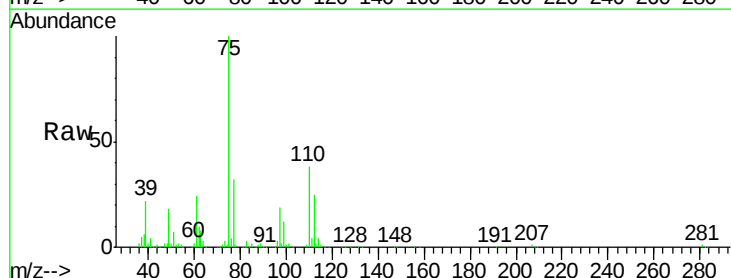
Acq: 27 May 2020 18:45

Tgt Ion: 75 Resp: 119429

Ion Ratio Lower Upper

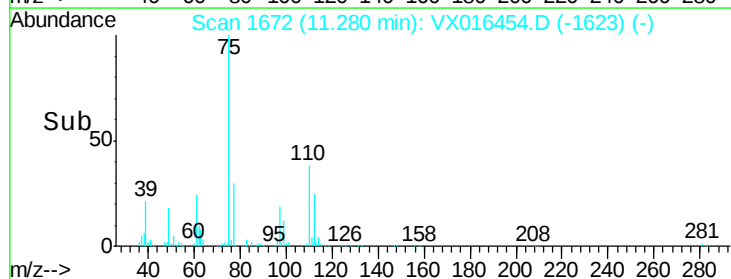
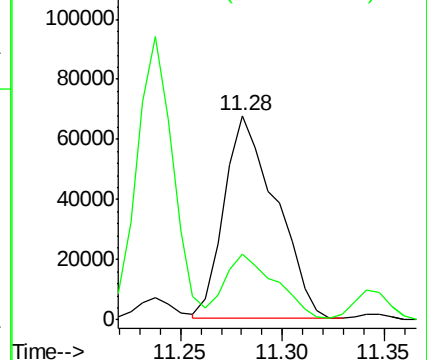
75 100

77 32.2 21.3 63.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.542 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

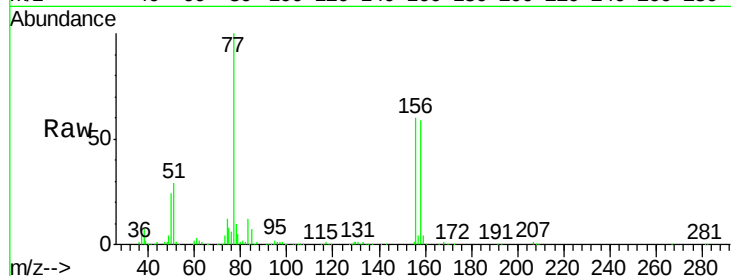
Tot Ion:156 Resp: 72113

Ion Ratio Lower Upper

156 100

77 161.5 79.6 238.8

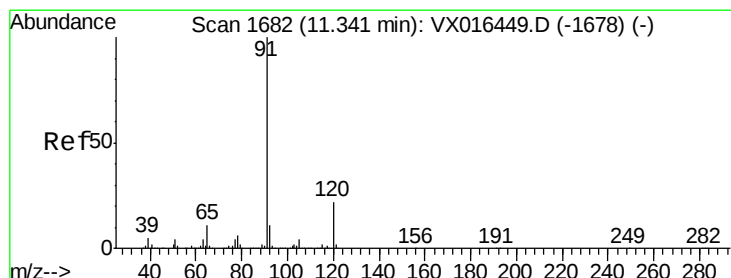
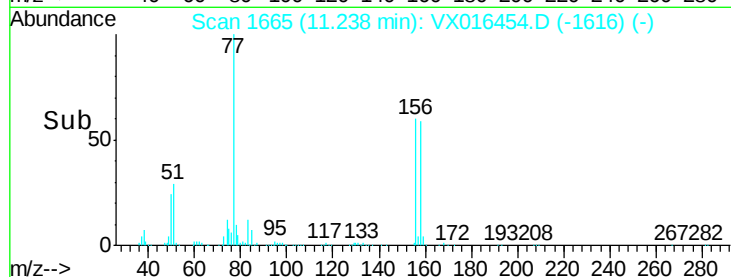
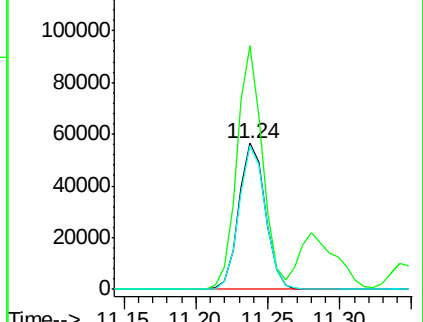
158 98.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.360 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016454.D

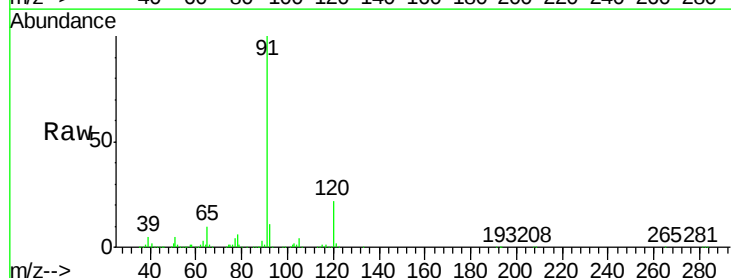
Acq: 27 May 2020 18:45

Tgt Ion: 91 Resp: 320726

Ion Ratio Lower Upper

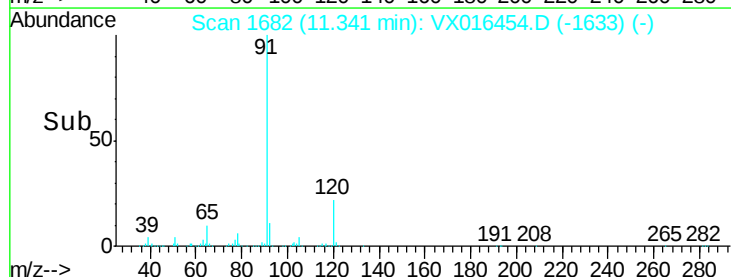
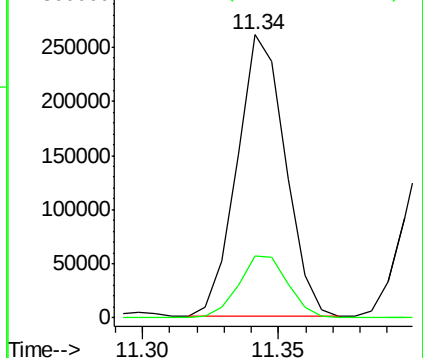
91 100

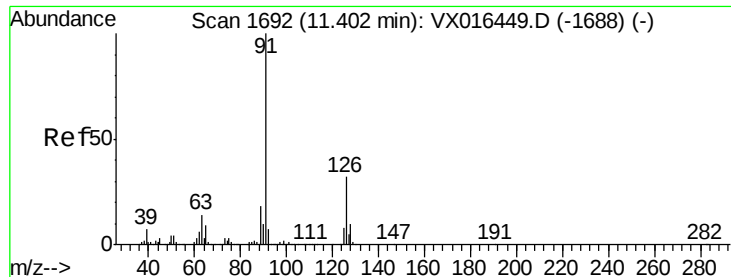
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.175 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

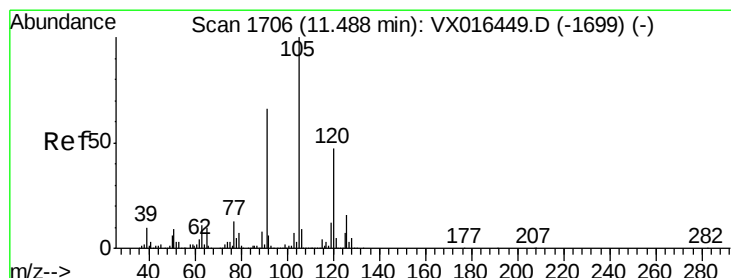
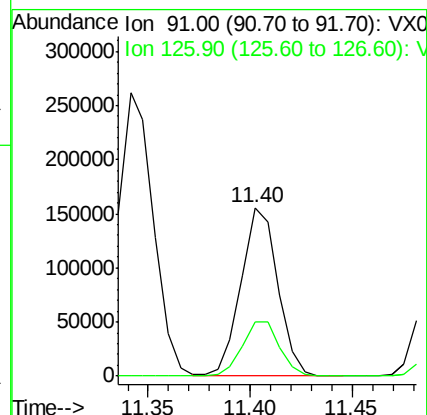
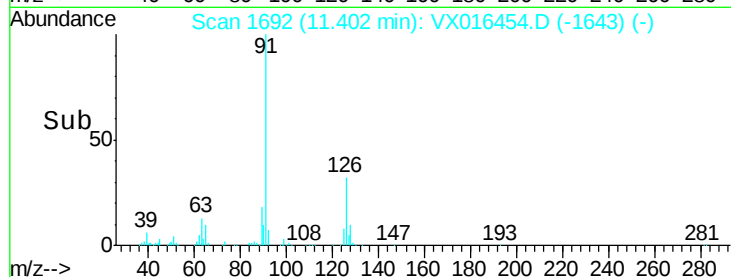
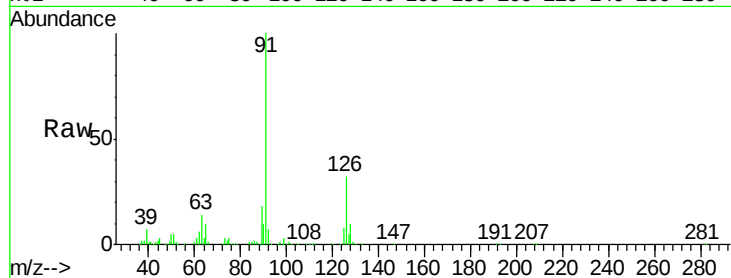
VX0527WBS01

Tot Ion: 91 Resp: 193902

Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 19.268 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016454.D

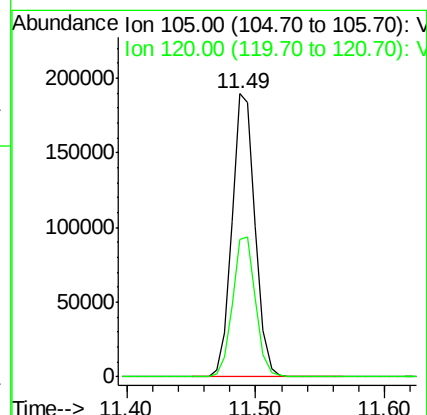
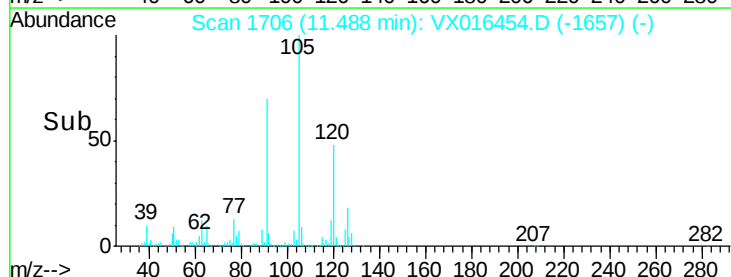
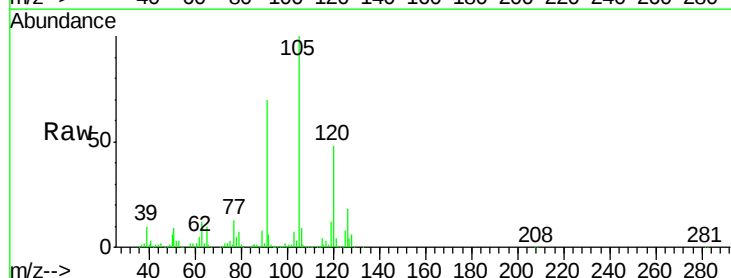
Acq: 27 May 2020 18:45

Tgt Ion:105 Resp: 238568

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.517 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

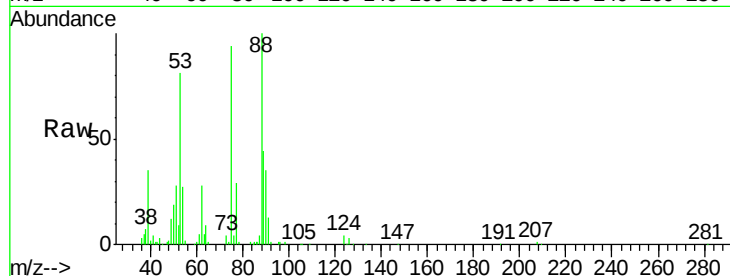
Tot Ion: 75 Resp: 35410

Ion Ratio Lower Upper

75 100

53 89.5 71.3 106.9

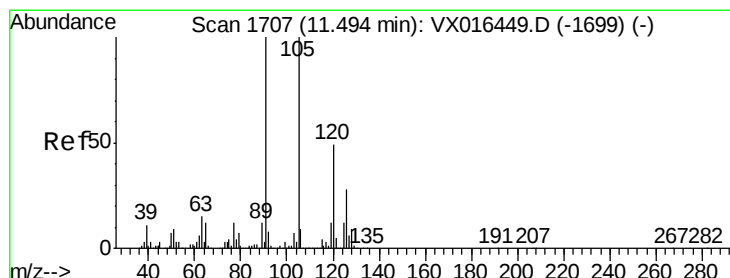
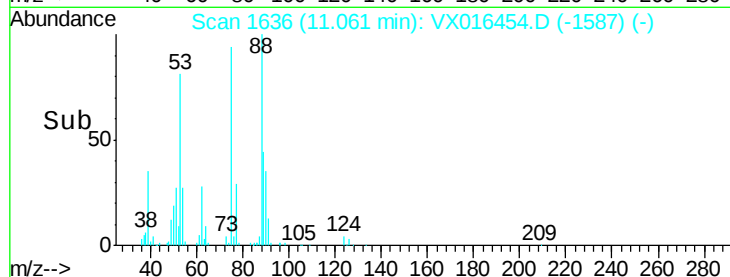
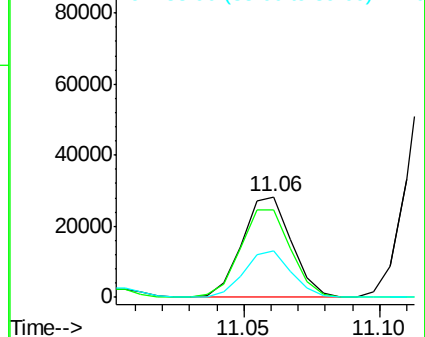
89 45.4 36.6 55.0



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: 19.100 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016454.D

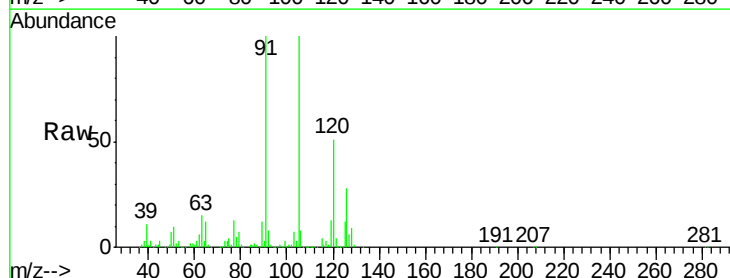
Acq: 27 May 2020 18:45

Tgt Ion: 91 Resp: 228076

Ion Ratio Lower Upper

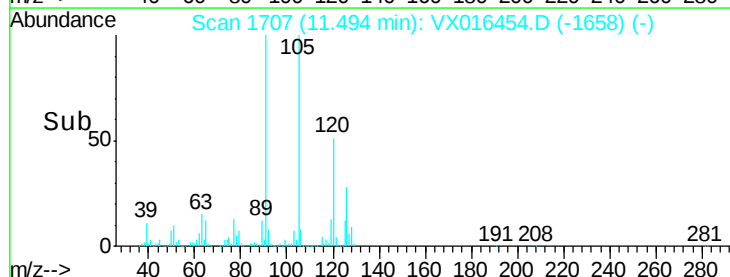
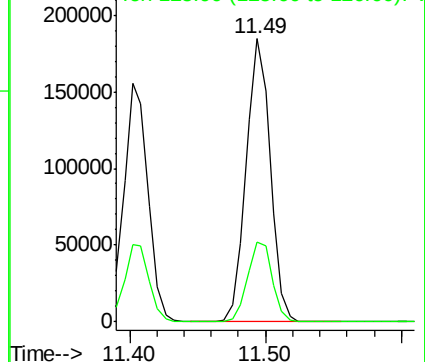
91 100

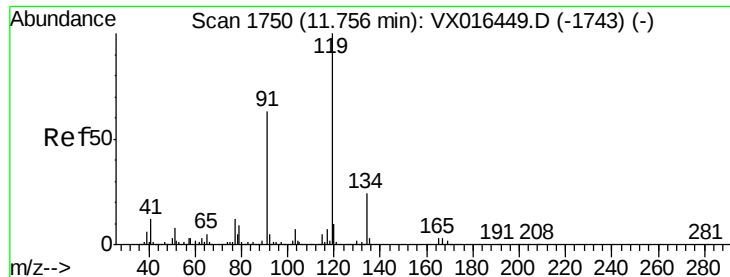
126 29.1 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

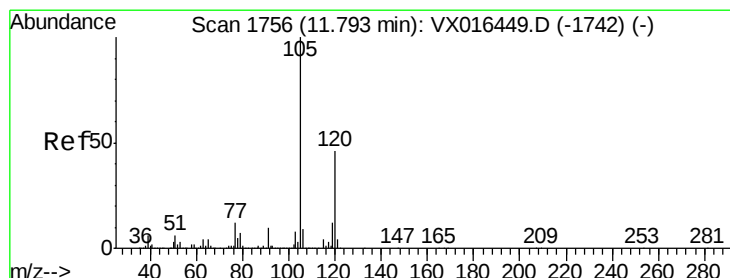
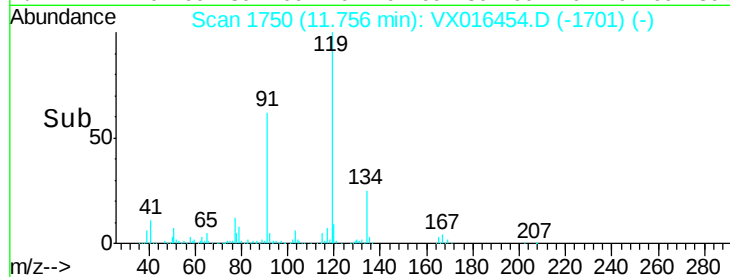
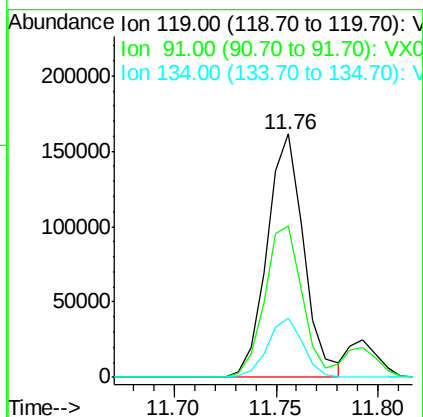
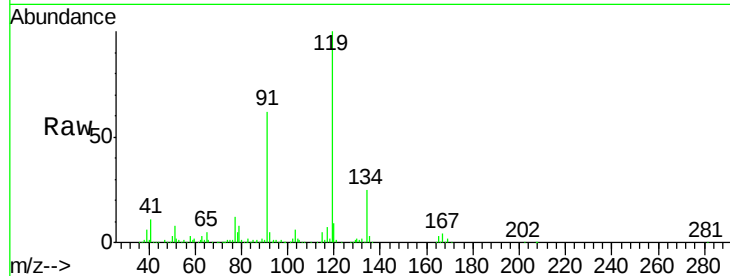




#83
 tert-Butylbenzene
 Concen: 19.157 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

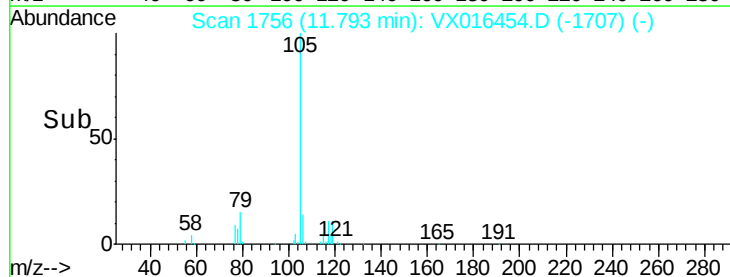
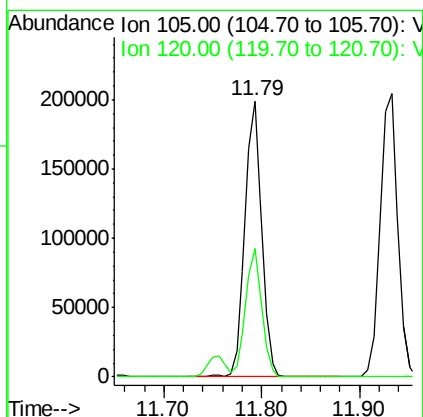
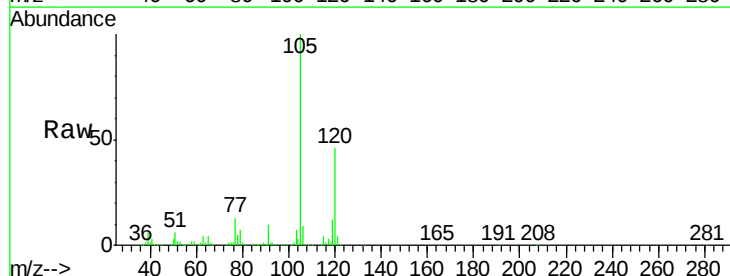
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	23.8	12.0	36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.021 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7

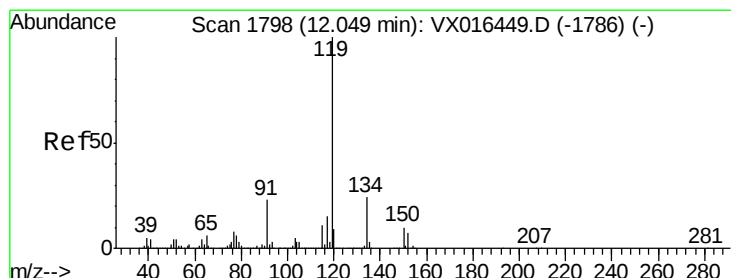
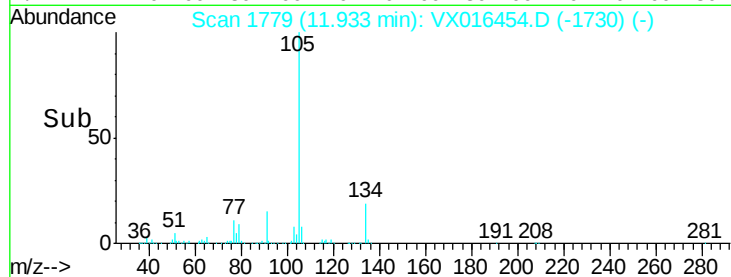
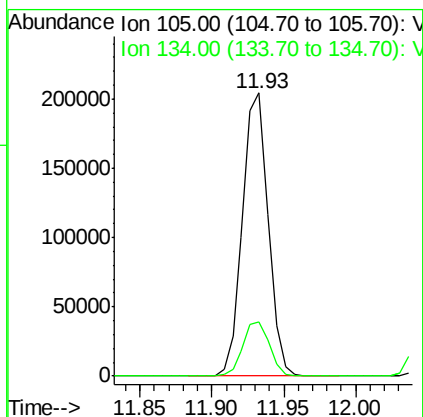
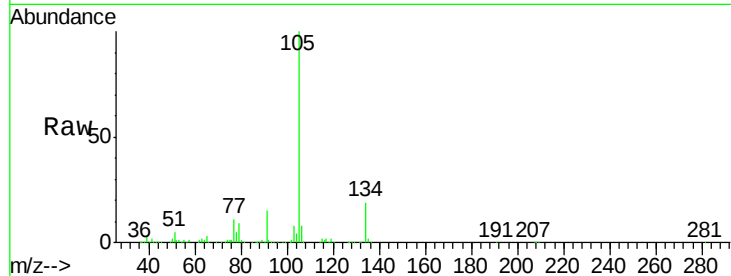




#85
 sec-Butylbenzene
 Concen: 19.066 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

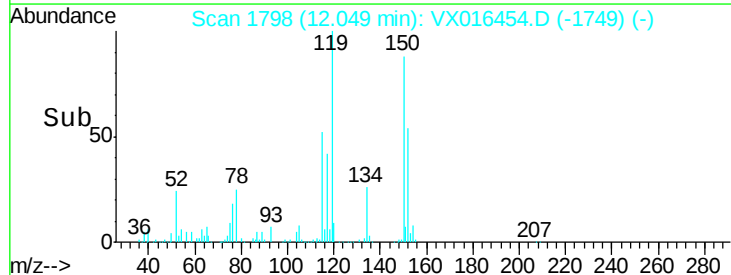
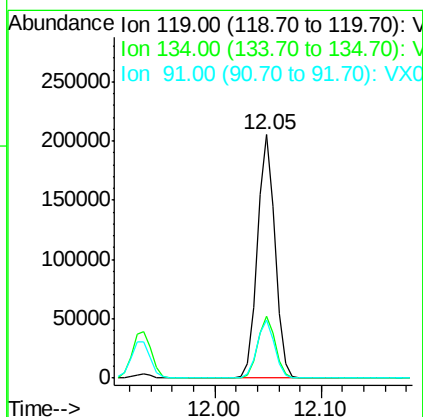
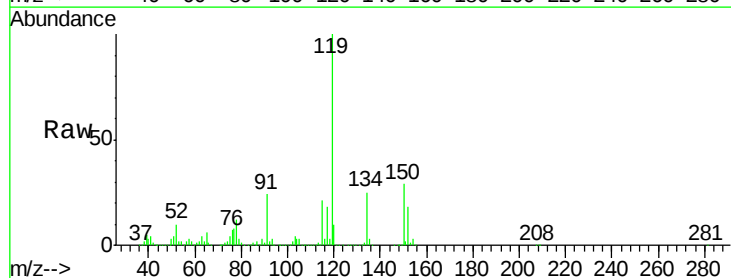
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBS01

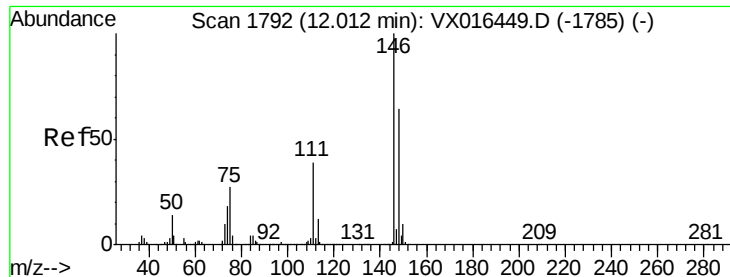
Tot Ion:105 Resp: 253035
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.138 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016454.D
 Acq: 27 May 2020 18:45

Tgt Ion:119 Resp: 237922
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.0
 91 23.9 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 18.936 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VX0527WBS01

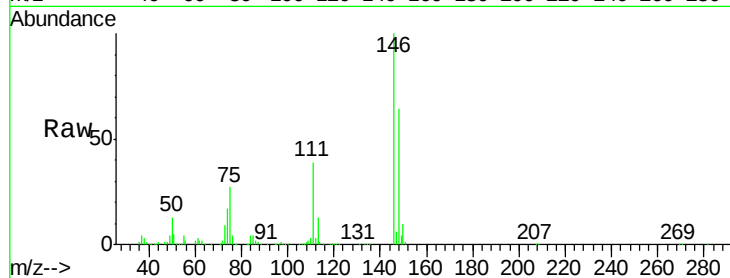
Tot Ion:146 Resp: 127593

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

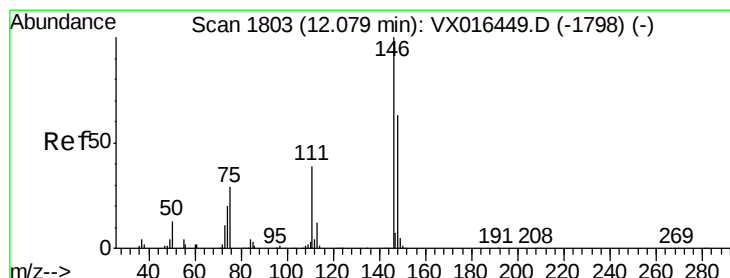
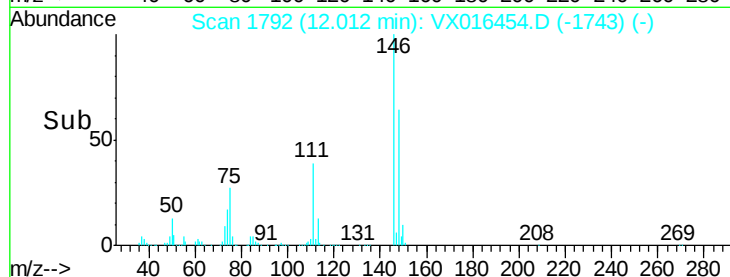
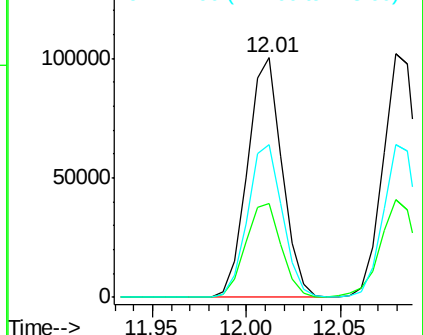
148 64.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.974 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

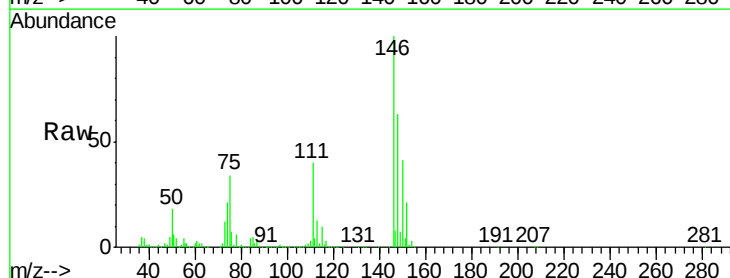
Tgt Ion:146 Resp: 130752

Ion Ratio Lower Upper

146 100

111 41.1 19.4 58.2

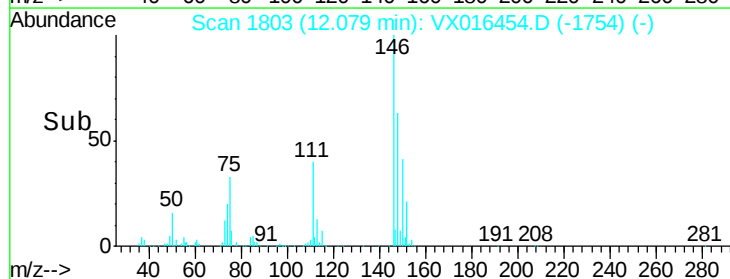
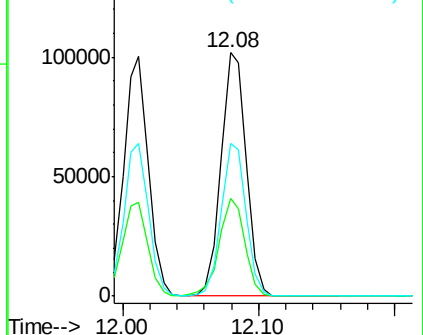
148 61.9 31.4 94.3

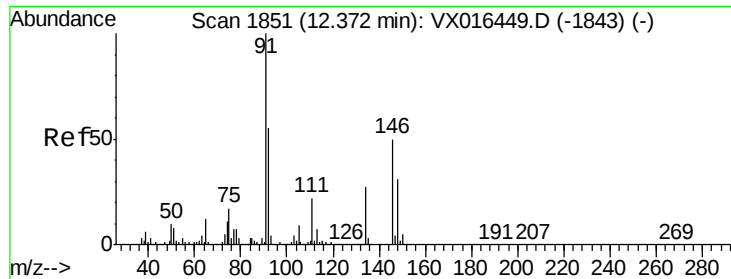


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

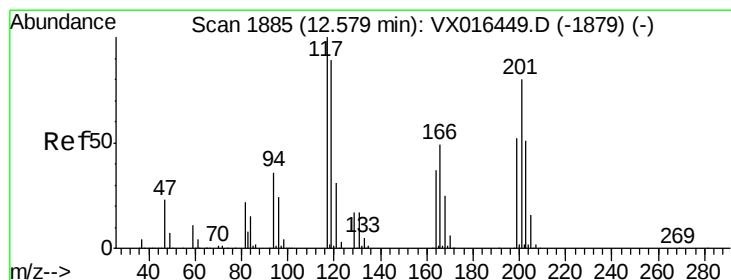
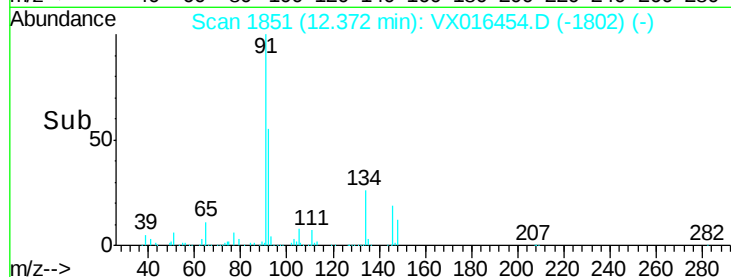
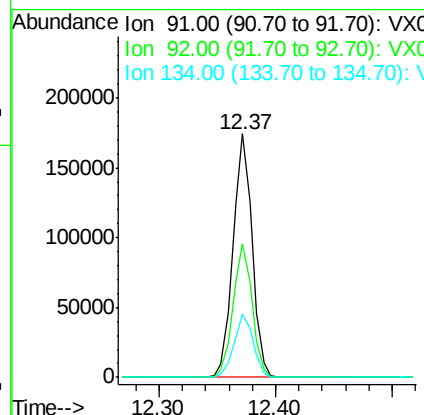
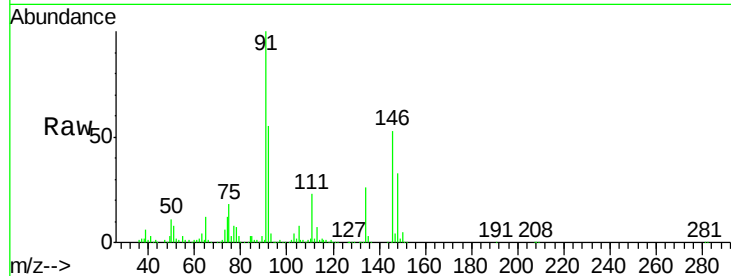




#89
n-Butylbenzene
Concen: 19.111 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

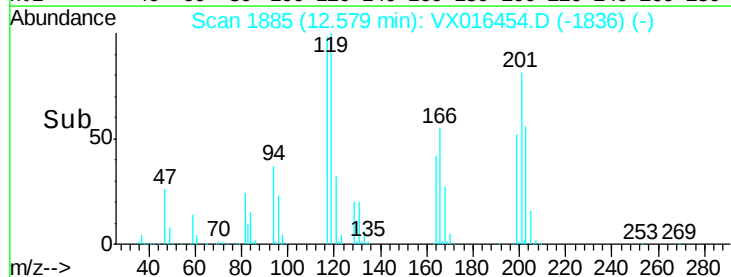
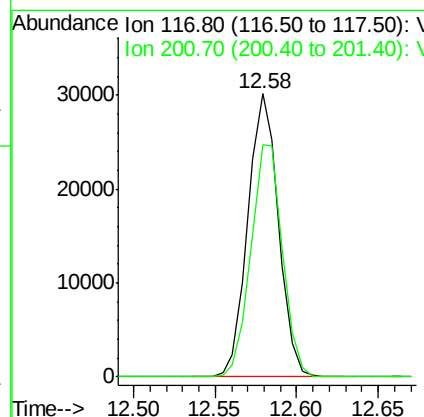
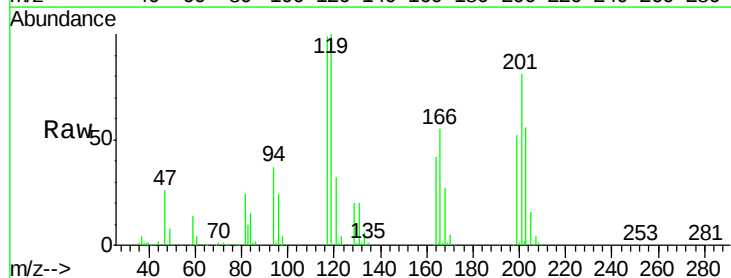
Instrument :
MSVOA_X
ClientSampled :
VX0527WBS01

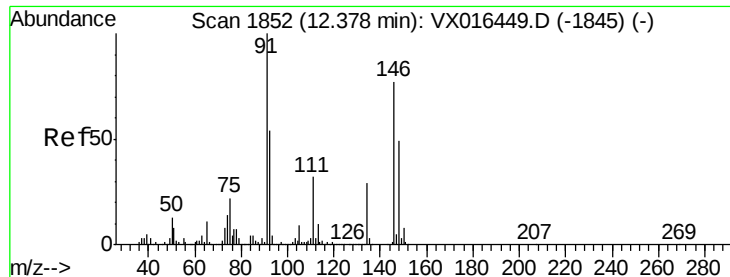
Tot Ion: 91 Resp: 197892
Ion Ratio Lower Upper
91 100
92 54.8 27.2 81.5
134 26.2 13.1 39.3



#90
Hexachloroethane
Concen: 18.319 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016454.D
Acq: 27 May 2020 18:45

Tgt Ion: 117 Resp: 39338
Ion Ratio Lower Upper
117 100
201 85.0 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 19.308 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampled :

VX0527WBS01

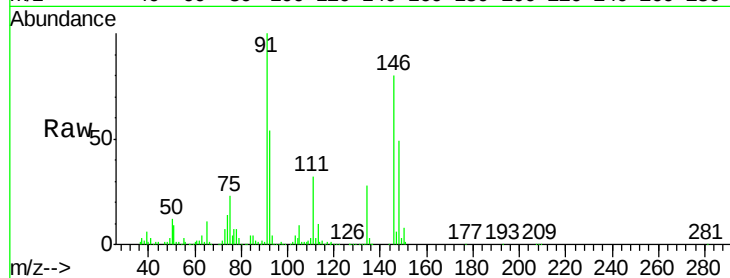
Tot Ion:146 Resp: 126042

Ion Ratio Lower Upper

146 100

111 41.8 21.4 64.3

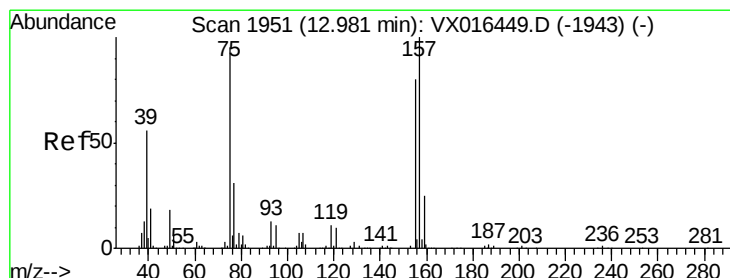
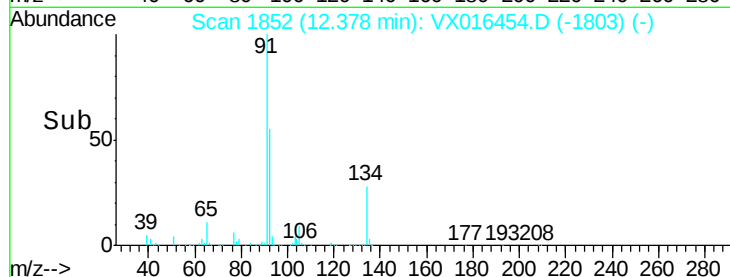
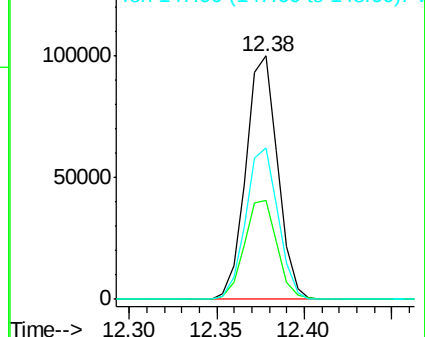
148 63.2 31.9 95.7



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: 18.552 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

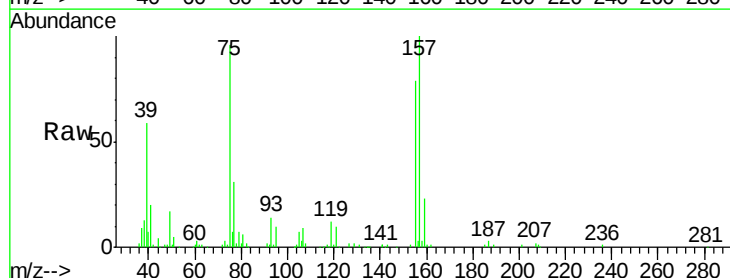
Tgt Ion: 75 Resp: 22331

Ion Ratio Lower Upper

75 100

155 89.5 44.1 132.4

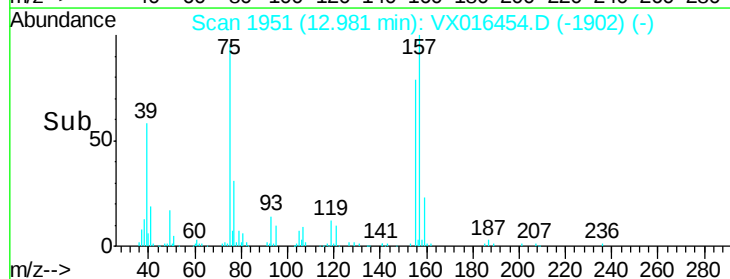
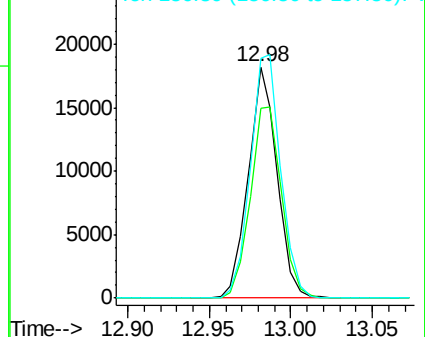
157 111.3 57.8 173.3

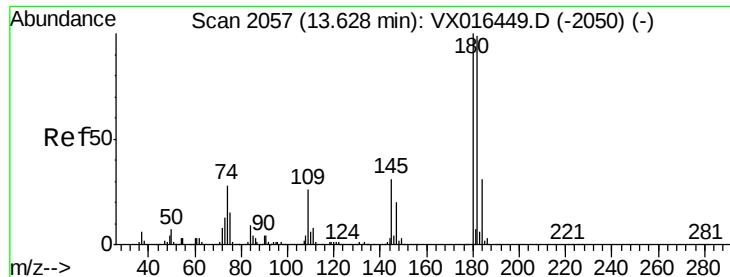


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.318 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

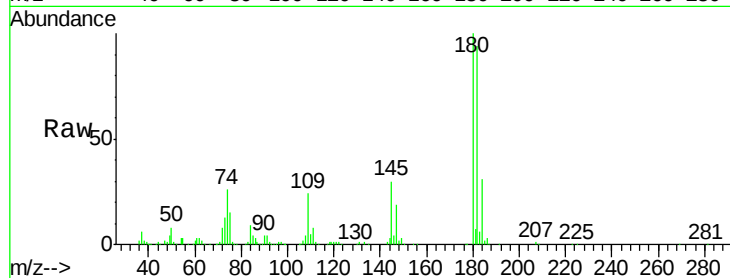
Tot Ion:180 Resp: 83751

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

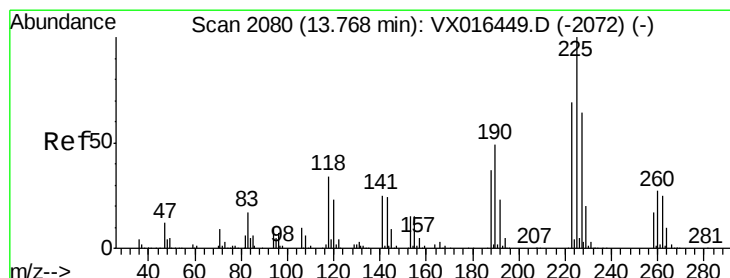
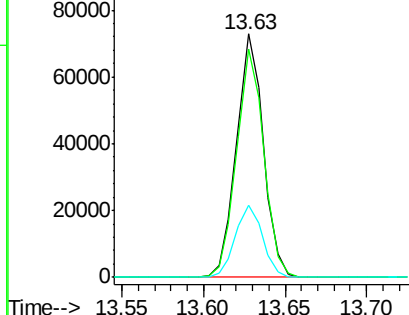
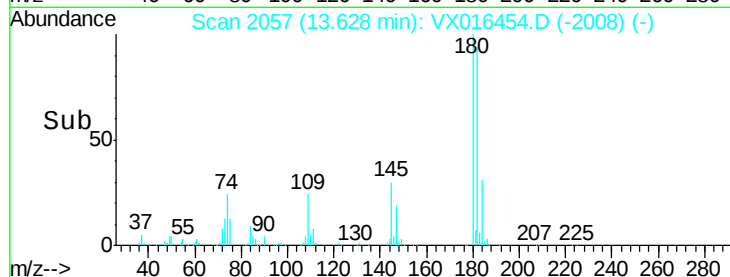
145 30.2 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.487 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

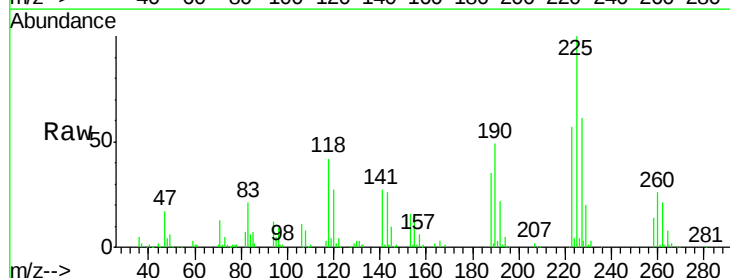
Tgt Ion:225 Resp: 33171

Ion Ratio Lower Upper

225 100

223 61.7 32.3 96.8

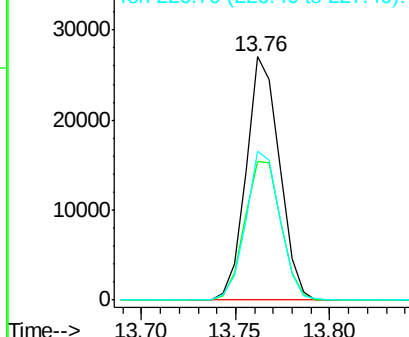
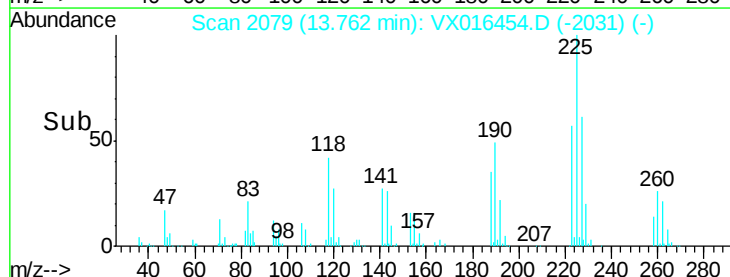
227 62.5 31.6 94.7

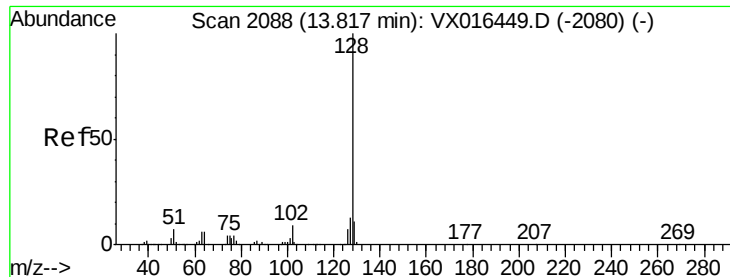


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.452 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBS01

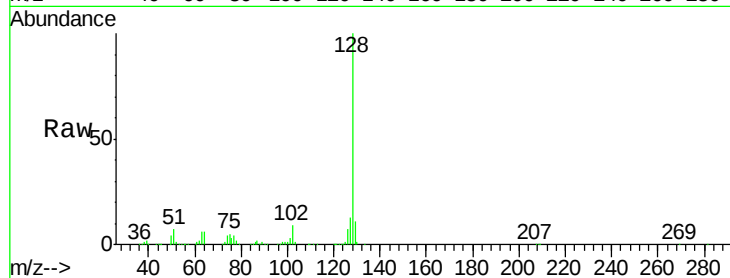
Tot Ion:128 Resp: 289105

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

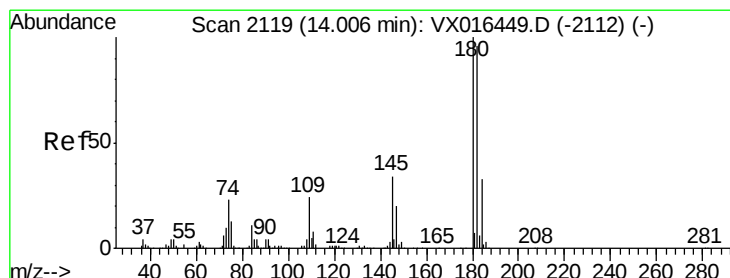
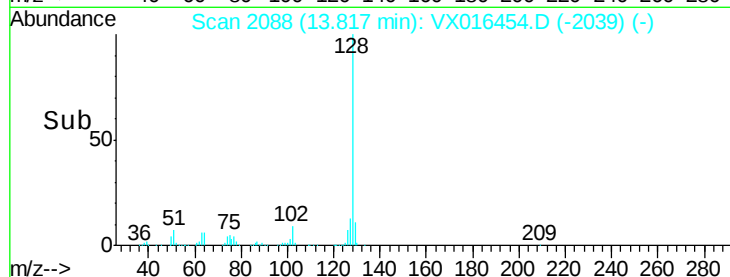
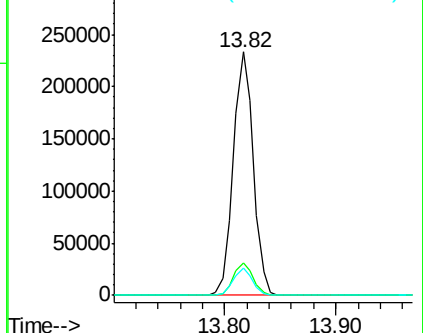
129 10.9 8.6 13.0



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: 19.700 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016454.D

Acq: 27 May 2020 18:45

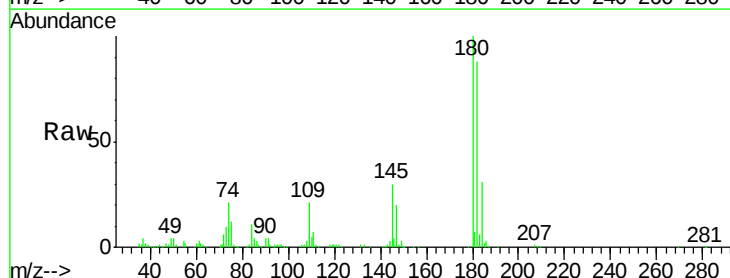
Tgt Ion:180 Resp: 83677

Ion Ratio Lower Upper

180 100

182 92.0 48.6 145.8

145 31.9 16.6 49.8



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

