

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016472.D
 Acq On : 28 May 2020 09:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 28 13:09:52 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	366580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	568397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	508814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241775	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	211680	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
35) Dibromofluoromethane	5.46	113	166449	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	8.70	98	662090	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.12	95	242066	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	197700	54.802	ug/l	97
3) Chloromethane	1.31	50	229244	52.584	ug/l	99
4) Vinyl Chloride	1.39	62	250443	54.322	ug/l	98
5) Bromomethane	1.62	94	111580	49.776	ug/l	100
6) Chloroethane	1.71	64	149903	55.739	ug/l	97
7) Trichlorofluoromethane	1.91	101	325286	53.724	ug/l	98
8) Diethyl Ether	2.17	74	136350	54.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	176827	53.064	ug/l	99
10) Methyl Iodide	2.49	142	197438	49.617	ug/l	98
11) Tert butyl alcohol	3.01	59	279795	239.676	ug/l	99
12) 1,1-Dichloroethene	2.36	96	188199	53.355	ug/l	95
13) Acrolein	2.27	56	117909	237.436	ug/l	98
14) Allyl chloride	2.70	41	362135	55.826	ug/l	99
15) Acrylonitrile	3.11	53	634676	265.408	ug/l	98
16) Acetone	2.42	43	536534	269.002	ug/l	99
17) Carbon Disulfide	2.55	76	562406	53.692	ug/l	100
18) Methyl Acetate	2.75	43	270789	52.934	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	682811	53.909	ug/l	100
20) Methylene Chloride	2.83	84	217442	52.693	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	208295	53.387	ug/l	96
22) Diisopropyl ether	3.82	45	686684	55.104	ug/l	94
23) Vinyl Acetate	3.78	43	3048246	279.460	ug/l	99
24) 1,1-Dichloroethane	3.67	63	381984	54.309	ug/l	99
25) 2-Butanone	4.63	43	857783	253.808	ug/l	100
26) 2,2-Dichloropropane	4.55	77	338856	58.877	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	238509	52.842	ug/l	99
28) Bromochloromethane	4.98	49	173138	52.972	ug/l	98
29) Tetrahydrofuran	5.09	42	575646	263.644	ug/l	99
30) Chloroform	5.17	83	375187	52.941	ug/l	99
31) Cyclohexane	5.54	56	314035	49.630	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	333728	52.014	ug/l	100
36) 1,1-Dichloropropene	5.77	75	291398	54.147	ug/l	100
37) Ethyl Acetate	4.79	43	336021	52.007	ug/l	100
38) Carbon Tetrachloride	5.75	117	291286	51.504	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	311079	53.218	ug/l	99
40) Benzene	6.11	78	864833	53.964	ug/l	99
41) Methacrylonitrile	5.00	41	188431	53.094	ug/l	97
42) 1,2-Dichloroethane	6.16	62	297920	52.273	ug/l	100
43) Isopropyl Acetate	6.41	43	540304	53.611	ug/l	99
44) Trichloroethene	7.18	130	266567	52.424	ug/l	97
45) 1,2-Dichloropropane	7.49	63	223400	54.756	ug/l	99
46) Dibromomethane	7.63	93	145804	53.206	ug/l	100
47) Bromodichloromethane	7.87	83	305625	53.863	ug/l	98
48) Methyl methacrylate	7.74	41	260474	53.979	ug/l	99
49) 1,4-Dioxane	7.71	88	105676	935.787	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1670404	266.187	ug/l	100
52) Toluene	8.76	92	543943	53.823	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	364071	56.427	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	381227	55.822	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	215792	53.704	ug/l	99
56) Ethyl methacrylate	9.16	69	369037	56.392	ug/l	99
57) 1,3-Dichloropropane	9.35	76	369534	53.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	889784	260.494	ug/l	100
59) 2-Hexanone	9.47	43	1311834	268.817	ug/l	100
60) Dibromochloromethane	9.57	129	246770	54.572	ug/l	100
61) 1,2-Dibromoethane	9.65	107	231547	53.812	ug/l	100
64) Tetrachloroethene	9.32	164	300996	52.875	ug/l	99
65) Chlorobenzene	10.12	112	571960	55.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	218981	55.302	ug/l	99
67) Ethyl Benzene	10.23	91	1007999	54.578	ug/l	98
68) m/p-Xylenes	10.34	106	757303	110.592	ug/l	99
69) o-Xylene	10.68	106	364401	54.948	ug/l	98
70) Styrene	10.70	104	645509	56.629	ug/l	100
71) Bromoform	10.84	173	187752	56.103	ug/l	100
73) Isopropylbenzene	11.00	105	928835	55.446	ug/l	100
74) N-amyl acetate	10.88	43	465041	60.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	243926	58.099	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	408539	76.875	ug/l	83
77) Bromobenzene	11.24	156	247806	56.400	ug/l	100
78) n-propylbenzene	11.34	91	1061501	56.717	ug/l	99
79) 2-Chlorotoluene	11.40	91	645570	56.510	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	777940	55.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	127939	59.219	ug/l	95
82) 4-Chlorotoluene	11.49	91	756127	56.049	ug/l	100
83) tert-Butylbenzene	11.76	119	663947	55.551	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	784476	55.455	ug/l	100
85) sec-Butylbenzene	11.93	105	855182	57.038	ug/l	100
86) p-Isopropyltoluene	12.05	119	811034	57.746	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	412411	54.178	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	424892	54.576	ug/l	100
89) n-Butylbenzene	12.37	91	700382	59.870	ug/l	99
90) Hexachloroethane	12.58	117	135853	56.000	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	405655	55.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	72668	53.436	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	274923	56.130	ug/l	99
94) Hexachlorobutadiene	13.77	225	116674	60.671	ug/l	99
95) Naphthalene	13.82	128	929997	55.387	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	270116	56.291	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

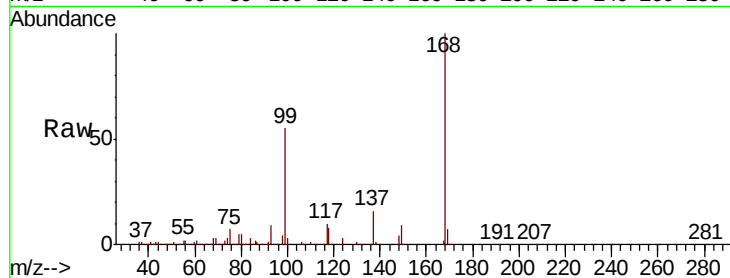
VSTDCCC050

Tot Ion:168 Resp: 366580

Ion Ratio Lower Upper

168 100

99 55.3 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

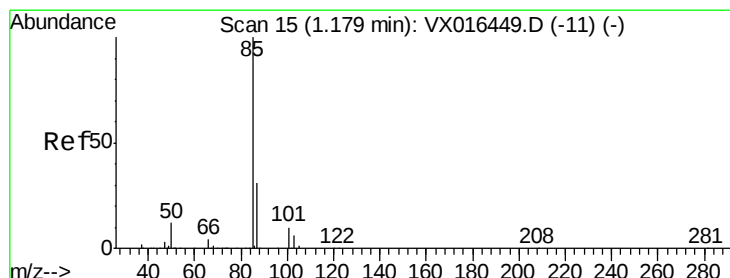
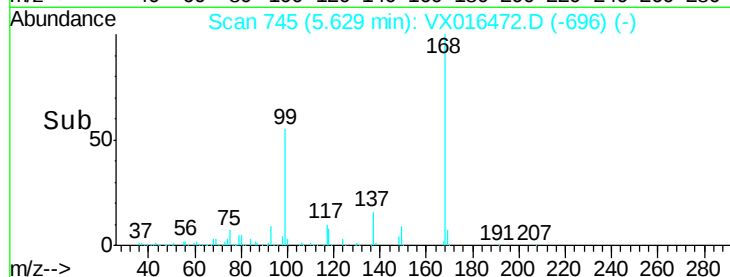
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.802 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016472.D

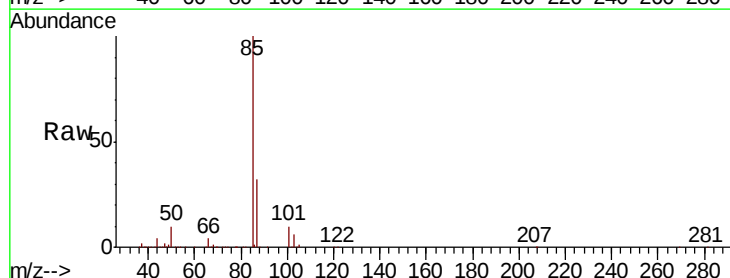
Acq: 28 May 2020 09:55

Tgt Ion: 85 Resp: 197700

Ion Ratio Lower Upper

85 100

87 32.2 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

200000

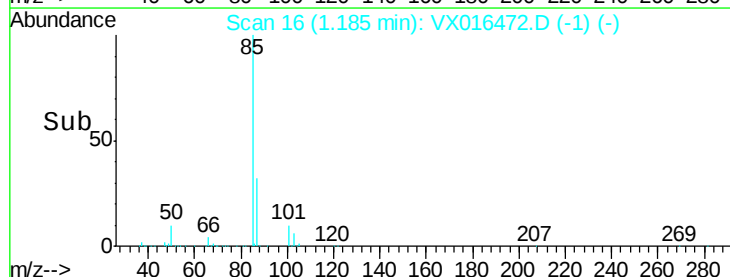
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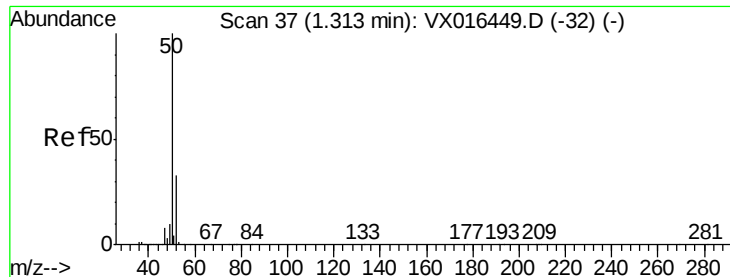
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.584 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

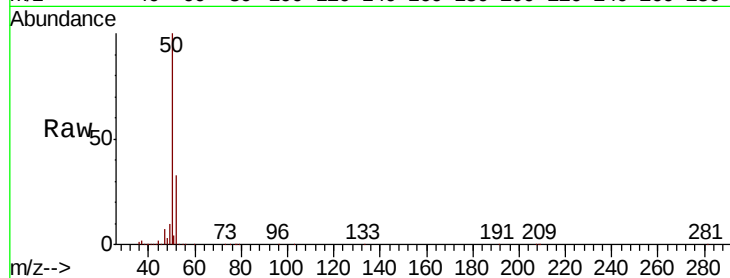
VSTDCCC050

Tot Ion: 50 Resp: 229244

Ion Ratio Lower Upper

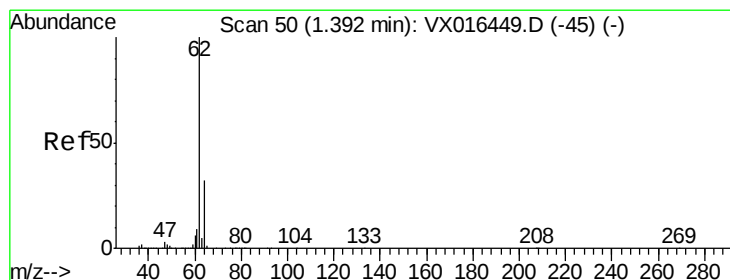
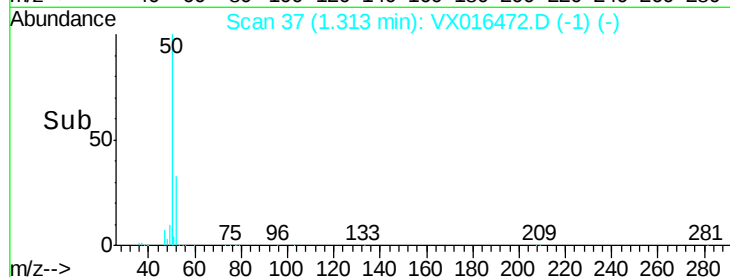
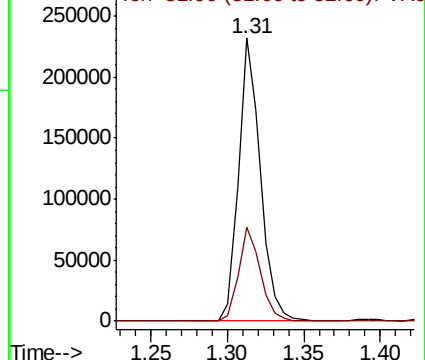
50 100

52 33.2 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: 54.322 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016472.D

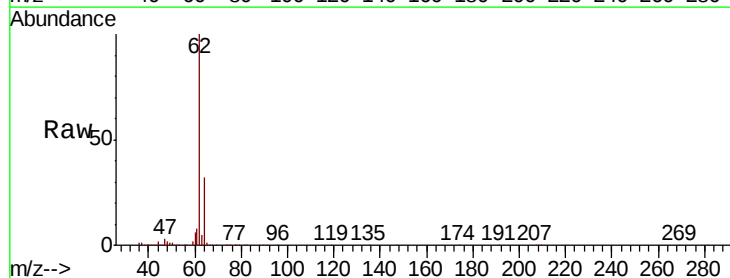
Acq: 28 May 2020 09:55

Tgt Ion: 62 Resp: 250443

Ion Ratio Lower Upper

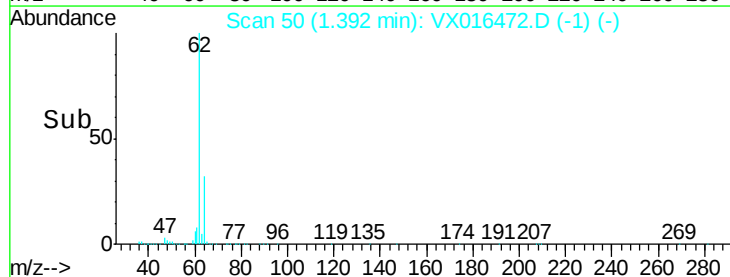
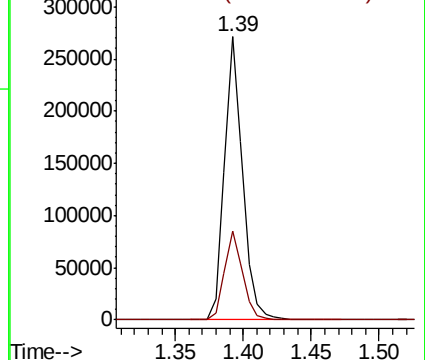
62 100

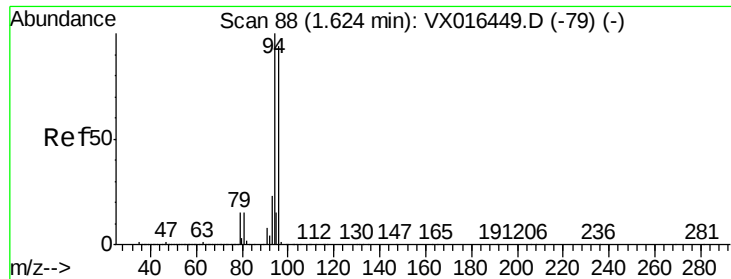
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.776 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

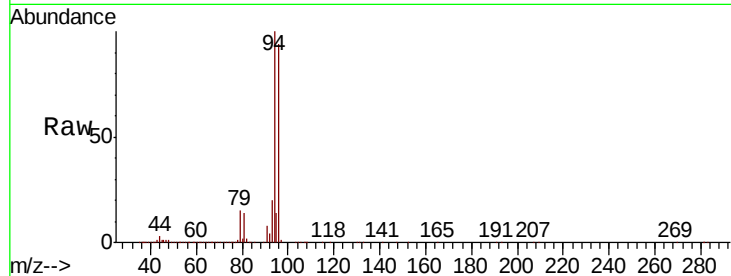
VSTDCCC050

Tot Ion: 94 Resp: 111580

Ion Ratio Lower Upper

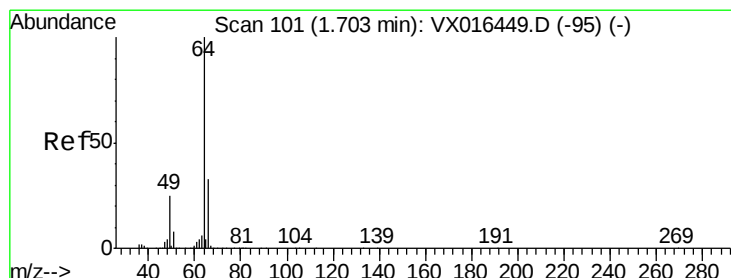
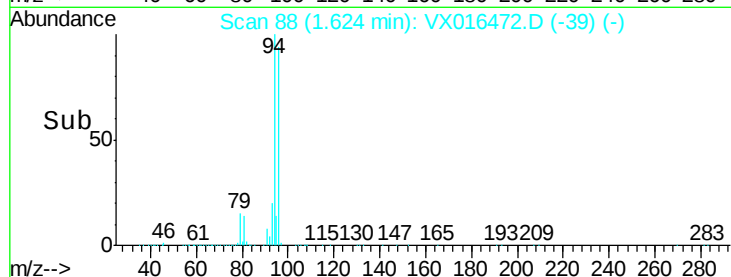
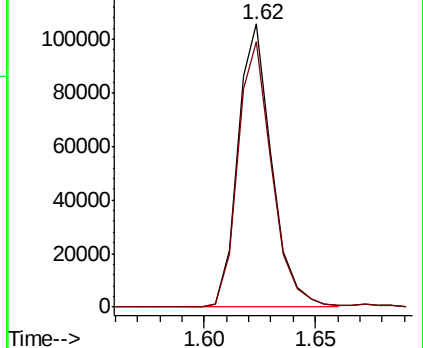
94 100

96 93.7 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.739 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016472.D

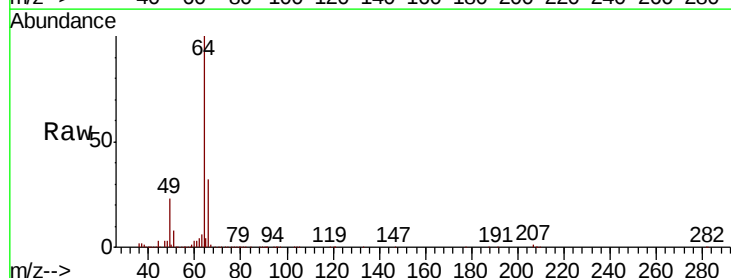
Acq: 28 May 2020 09:55

Tgt Ion: 64 Resp: 149903

Ion Ratio Lower Upper

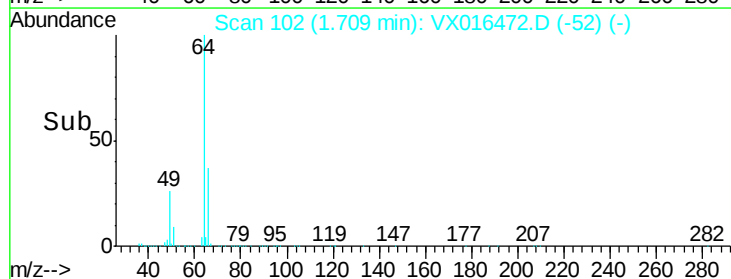
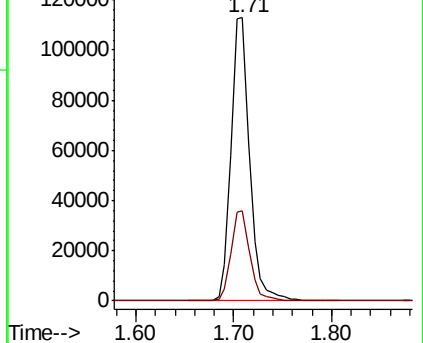
64 100

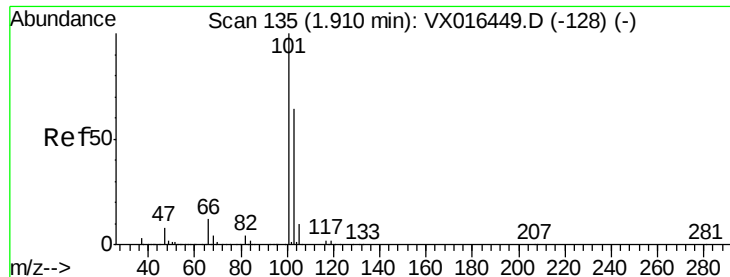
66 31.7 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



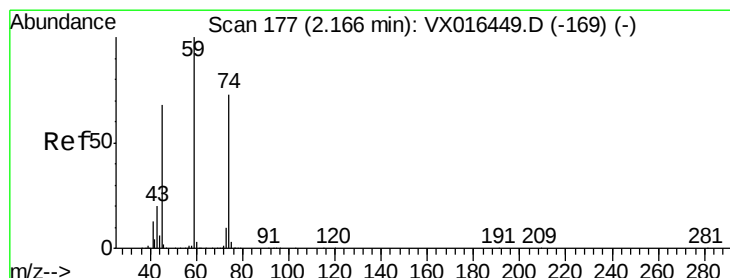
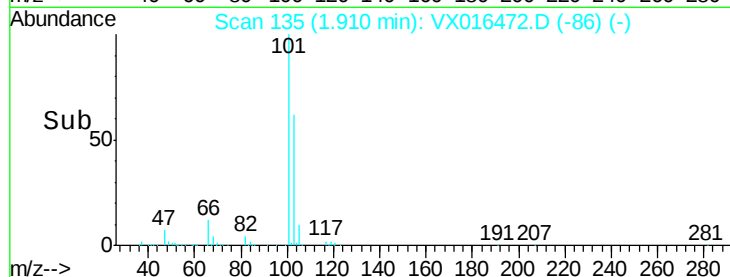
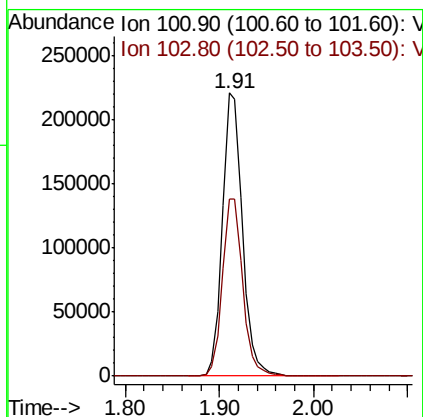
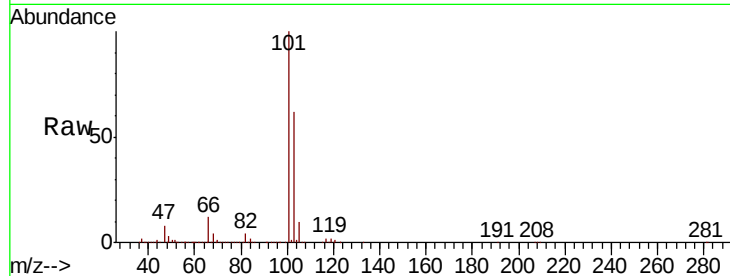


#7

Trichlorofluoromethane
 Concen: 53.724 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Instrument :
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 VSTDCCC050

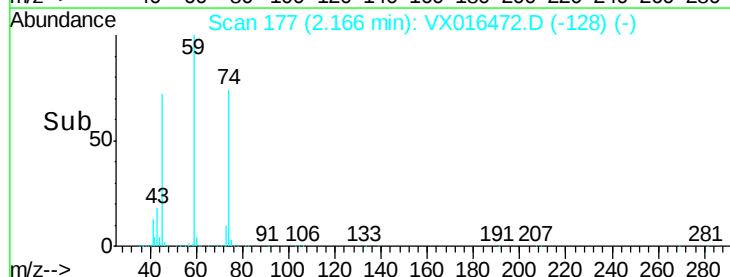
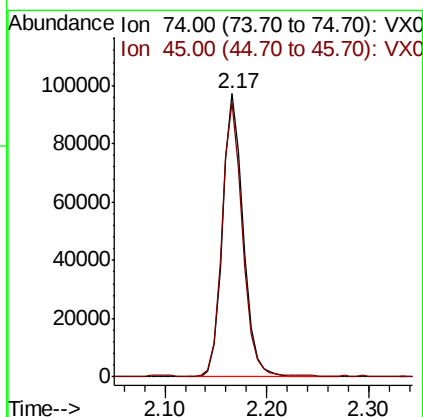
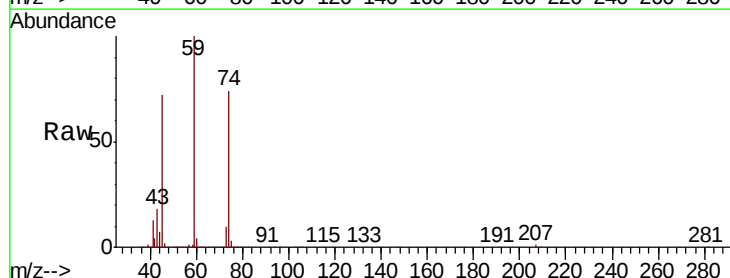
Tot Ion:101 Resp: 325286
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.9 76.3



#8

Diethyl Ether
 Concen: 54.006 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 74 Resp: 136350
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.064 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

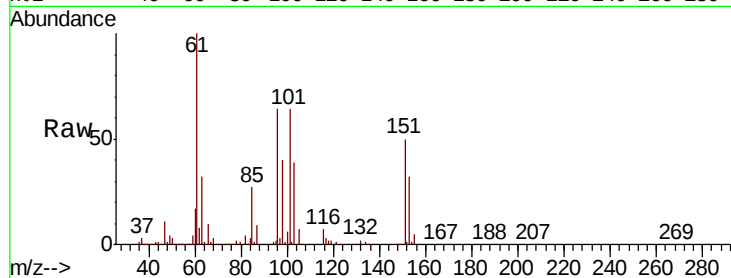
Tot Ion:101 Resp: 176827

Ion Ratio Lower Upper

101 100

85 44.0 34.4 51.6

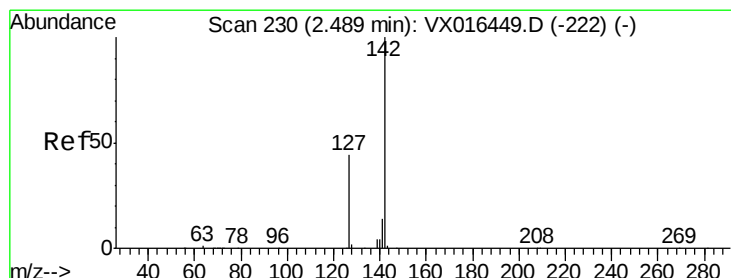
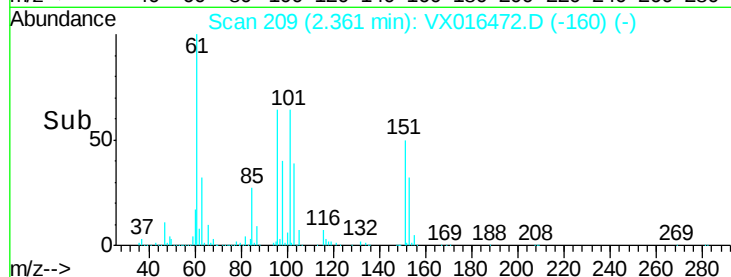
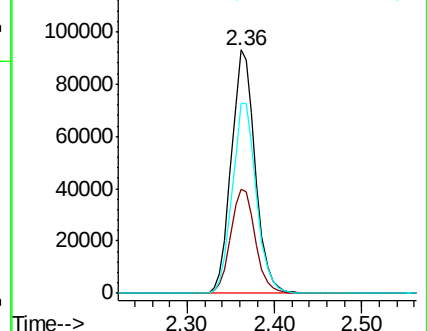
151 78.8 63.8 95.6



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: 49.617 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

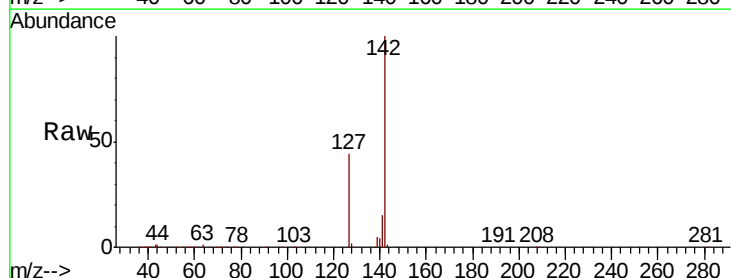
Tgt Ion:142 Resp: 197438

Ion Ratio Lower Upper

142 100

127 42.9 35.3 52.9

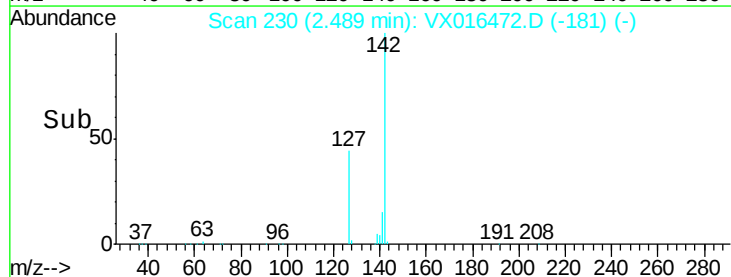
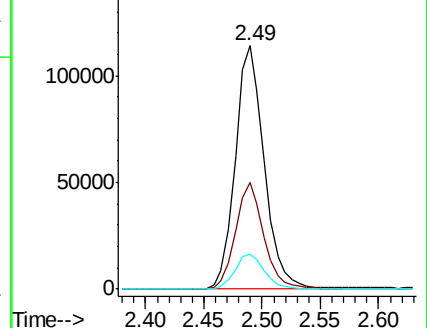
141 14.6 11.4 17.2

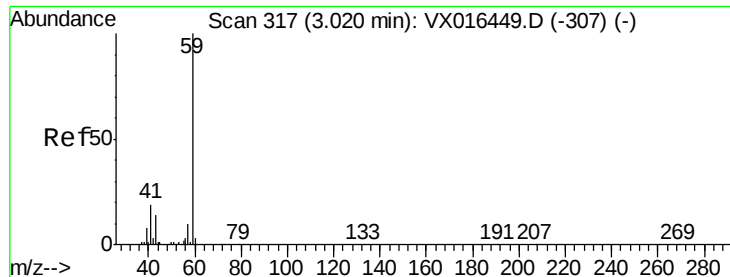


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



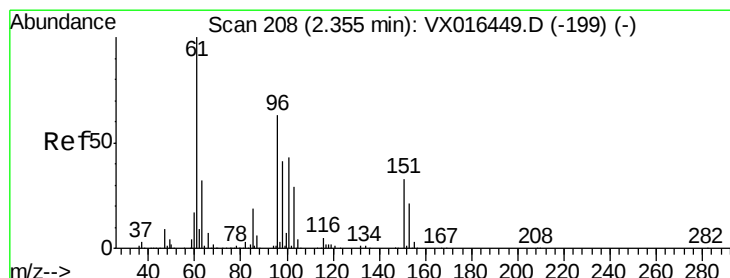
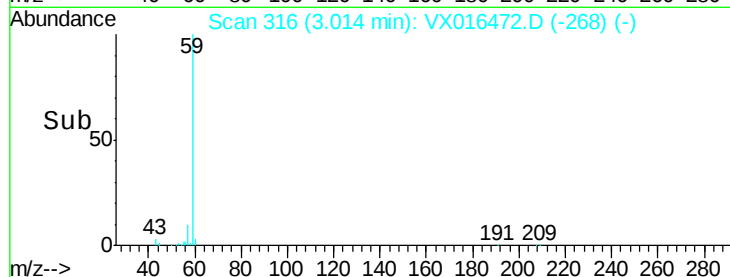
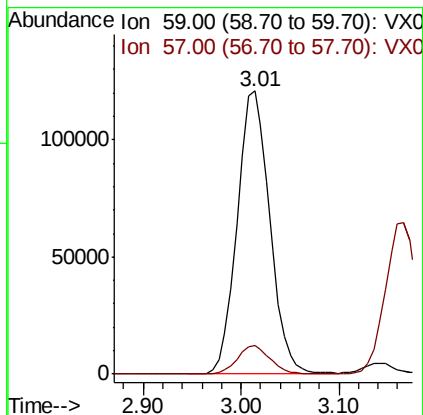
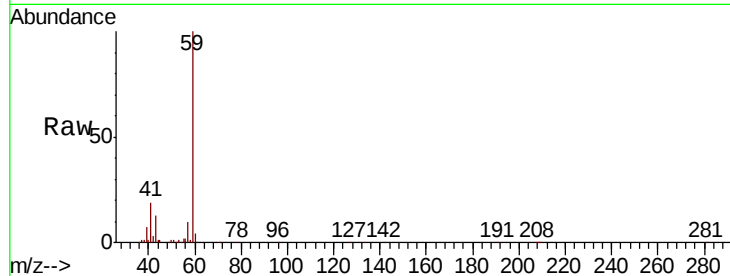


#11

Tert butyl alcohol
 Concen: 239.676 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

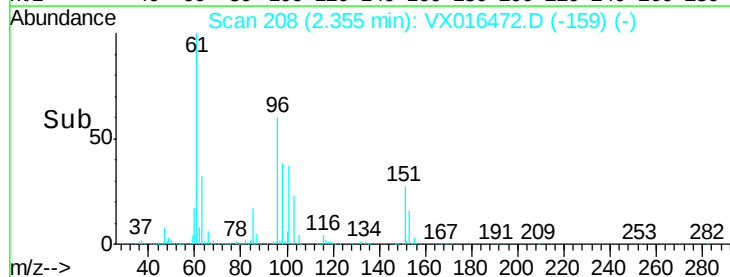
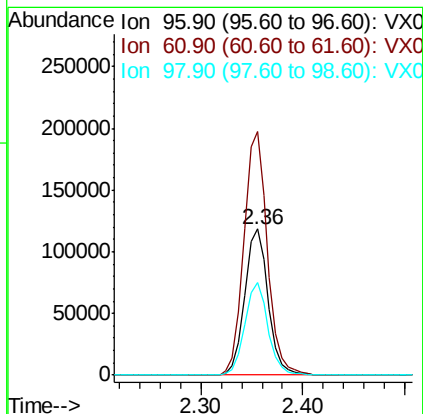
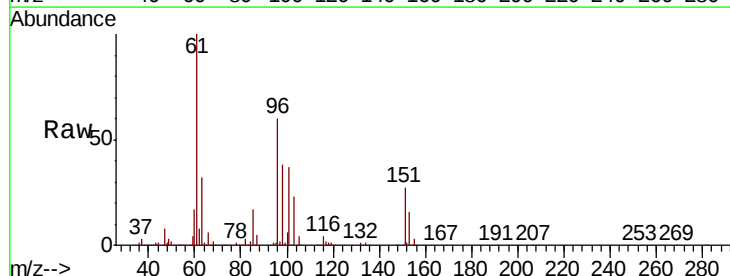
Tot Ion: 59 Resp: 279795
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

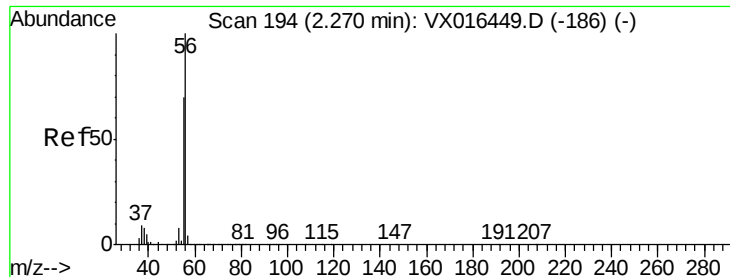


#12

1,1-Dichloroethene
 Concen: 53.355 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 96 Resp: 188199
 Ion Ratio Lower Upper
 96 100
 61 166.7 126.6 189.8
 98 63.8 51.3 76.9





#13

Acrolein

Concen: 237.436 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

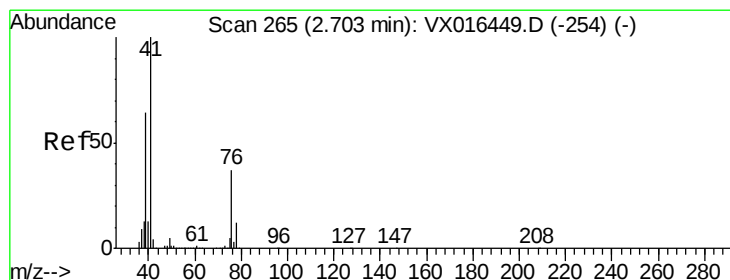
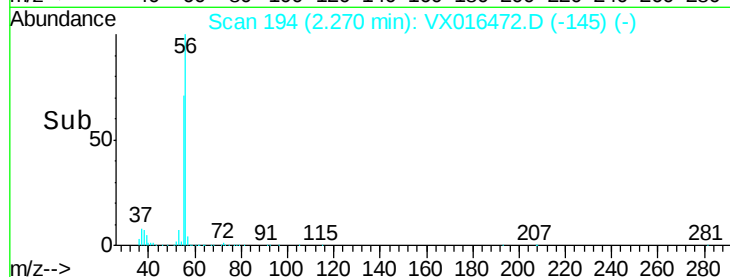
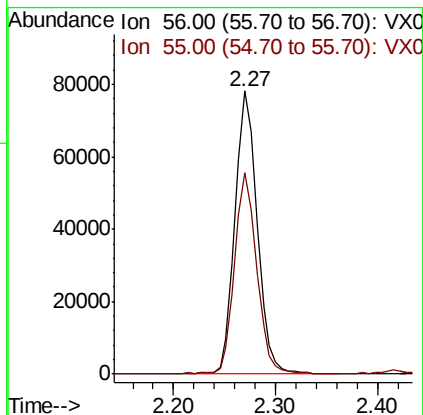
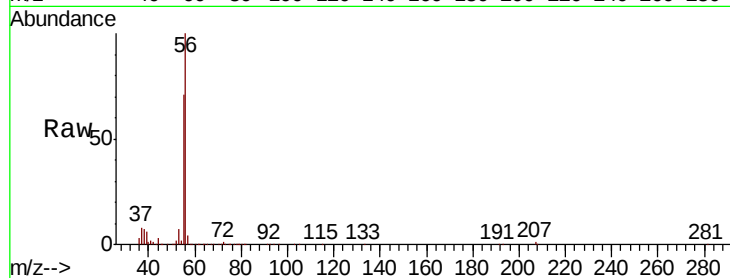
VSTDCCC050

Tot Ion: 56 Resp: 117909

Ion Ratio Lower Upper

56 100

55 71.0 58.3 87.5



#14

Allyl chloride

Concen: 55.826 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

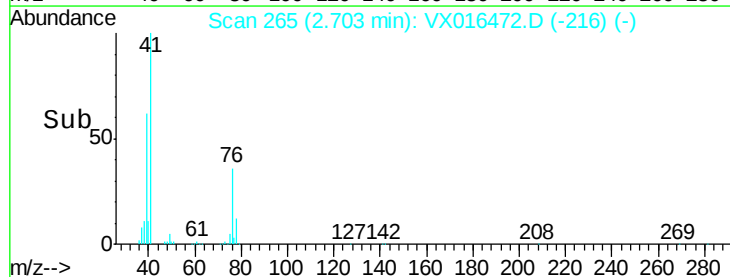
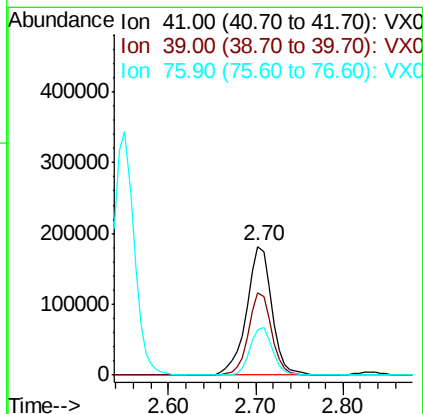
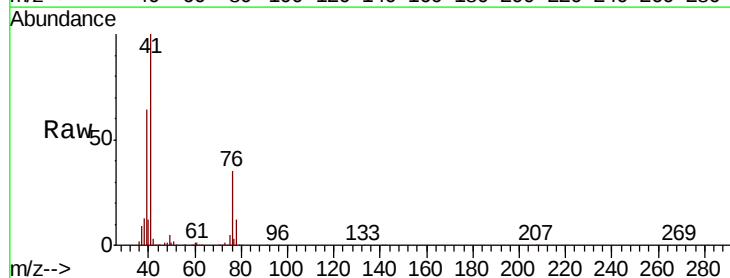
Tgt Ion: 41 Resp: 362135

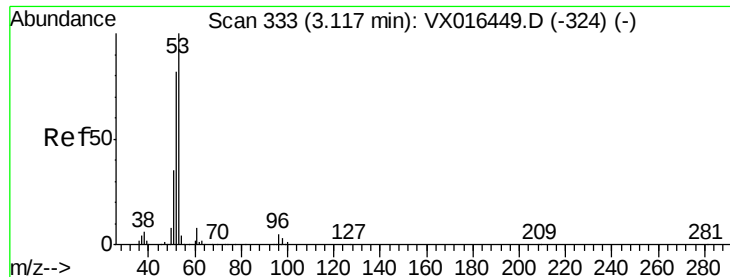
Ion Ratio Lower Upper

41 100

39 58.6 47.7 71.5

76 33.1 26.6 40.0

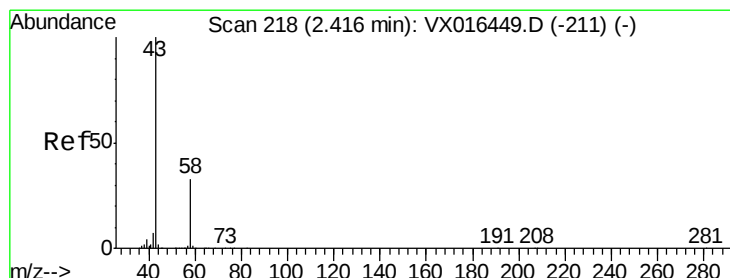
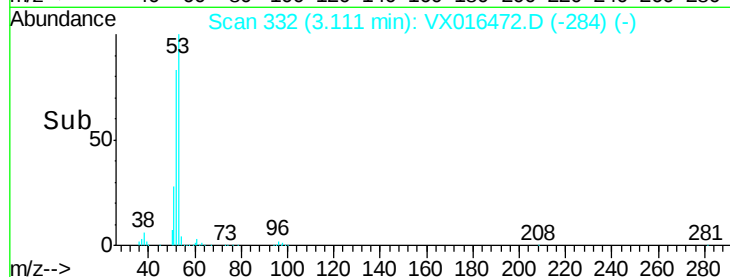
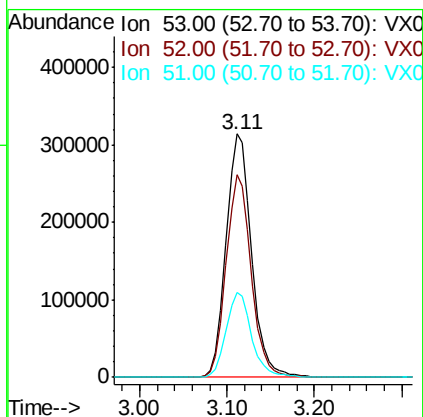
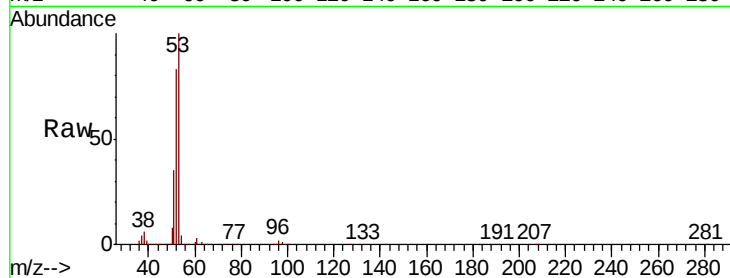




#15
 Acrylonitrile
 Concen: 265.408 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

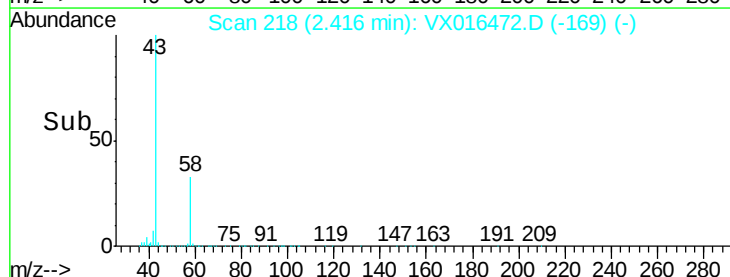
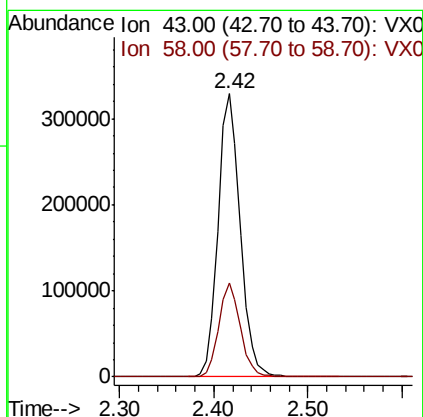
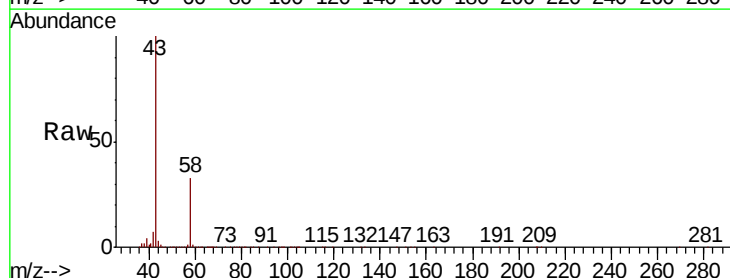
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

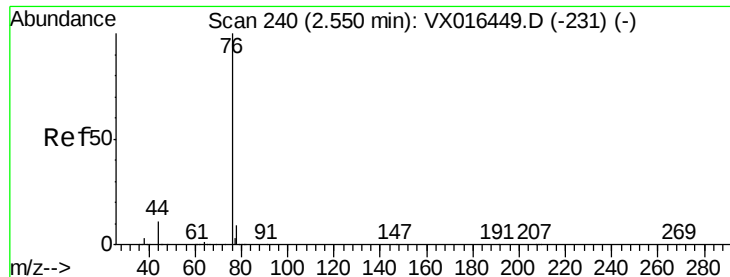
Tot Ion: 53 Resp: 634676
 Ion Ratio Lower Upper
 53 100
 52 81.9 66.7 100.1
 51 35.1 28.6 43.0



#16
 Acetone
 Concen: 269.002 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 43 Resp: 536534
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.1 39.1





#17

Carbon Disulfide

Concen: 53.692 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

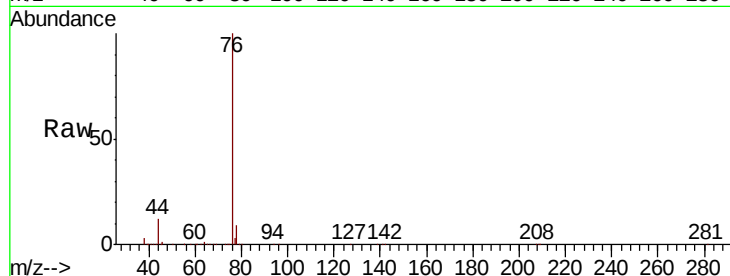
VSTDCCC050

Tot Ion: 76 Resp: 562406

Ion Ratio Lower Upper

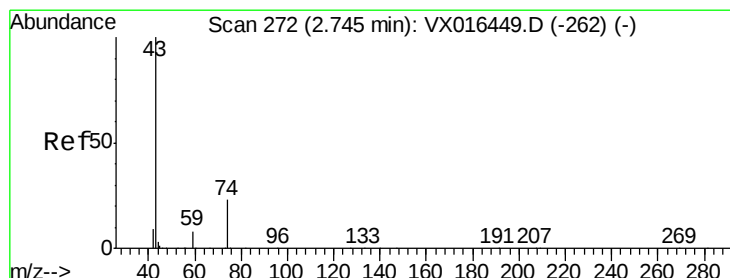
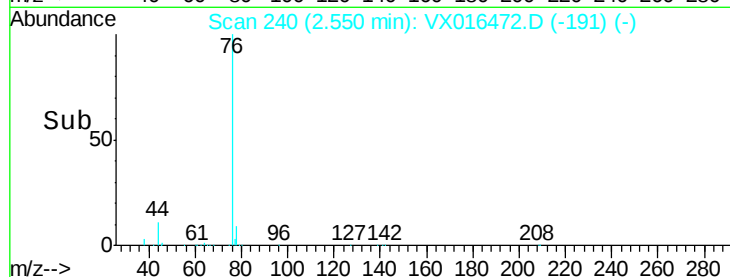
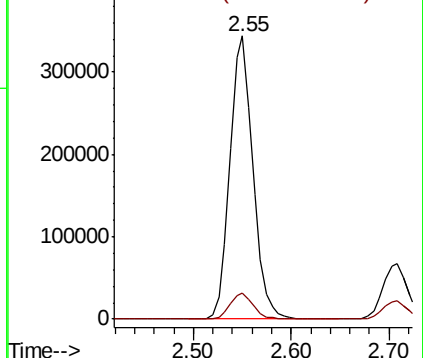
76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.934 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016472.D

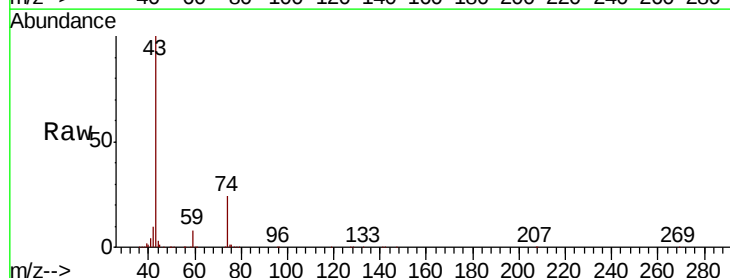
Acq: 28 May 2020 09:55

Tgt Ion: 43 Resp: 270789

Ion Ratio Lower Upper

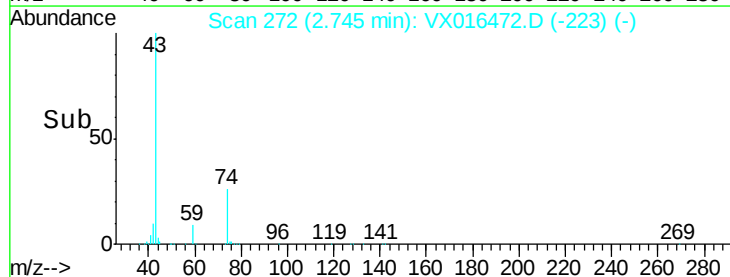
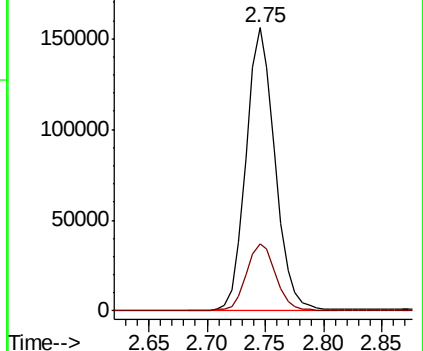
43 100

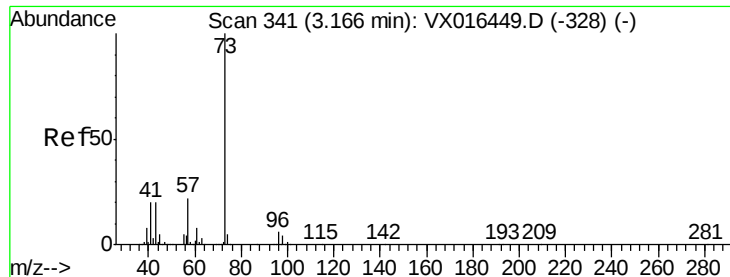
74 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



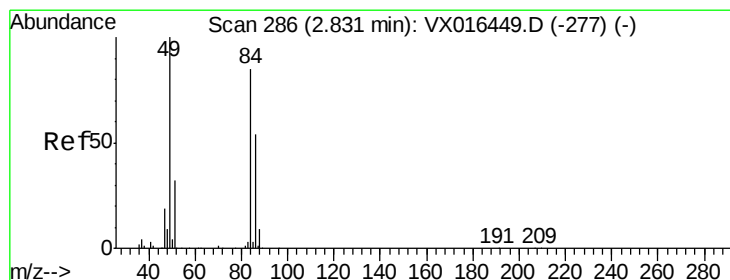
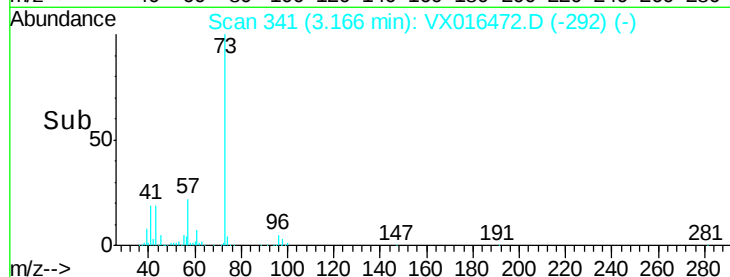
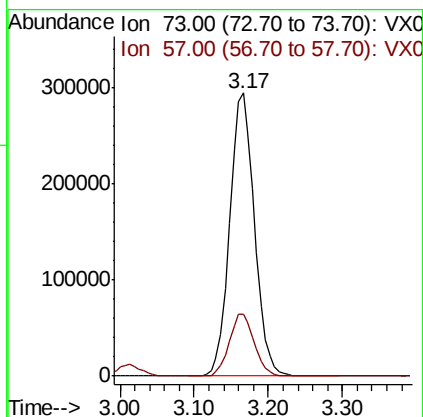
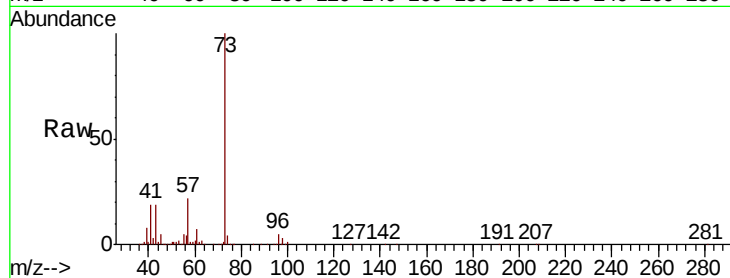


#19

Methyl tert-butyl Ether
 Concen: 53.909 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

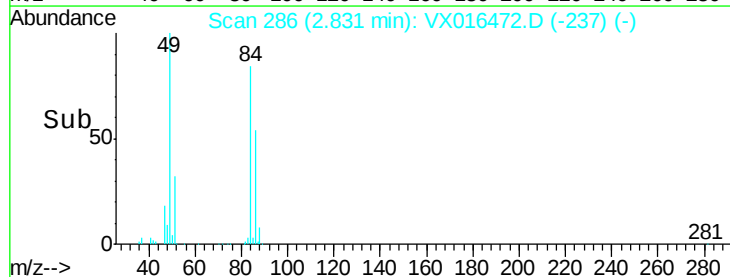
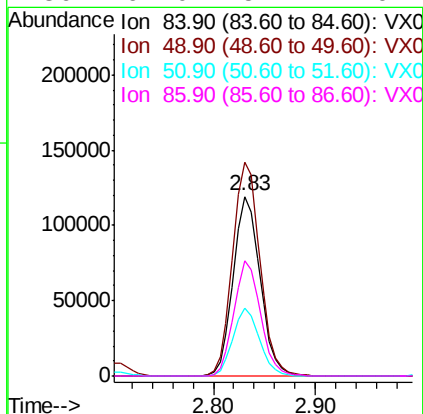
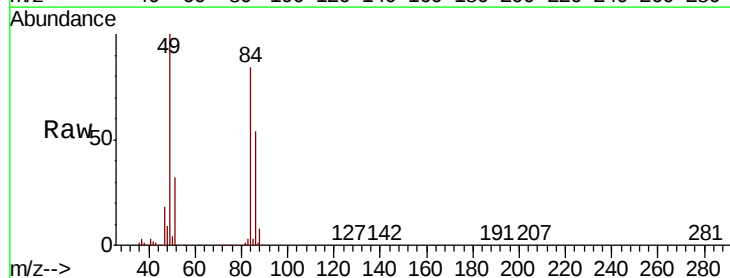
Tot Ion: 73 Resp: 682811
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.8 26.6



#20

Methylene Chloride
 Concen: 52.693 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 84 Resp: 217442
 Ion Ratio Lower Upper
 84 100
 49 119.0 94.5 141.7
 51 37.5 30.2 45.4
 86 64.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 53.387 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

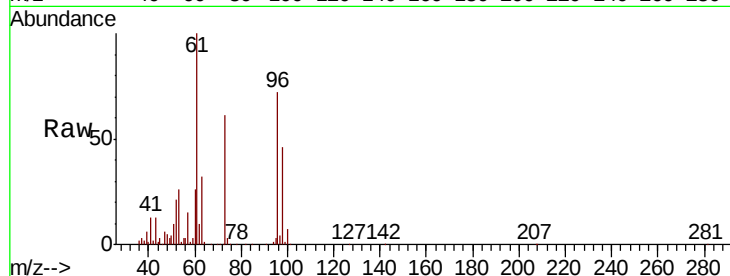
Tot Ion: 96 Resp: 208295

Ion Ratio Lower Upper

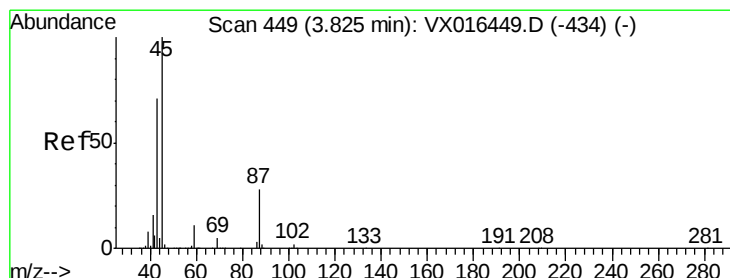
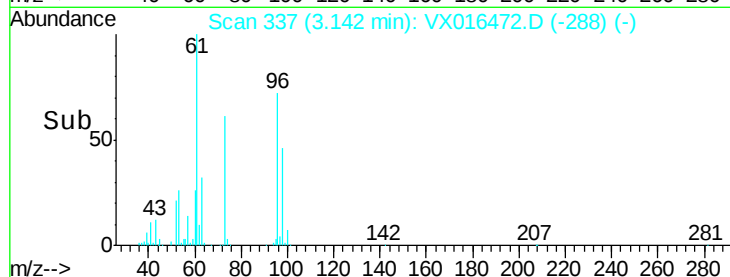
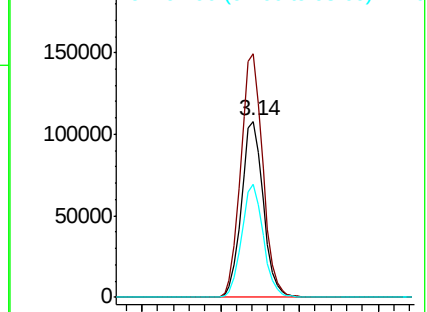
96 100

61 138.0 115.3 172.9

98 63.8 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: 55.104 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Tgt Ion: 45 Resp: 686684

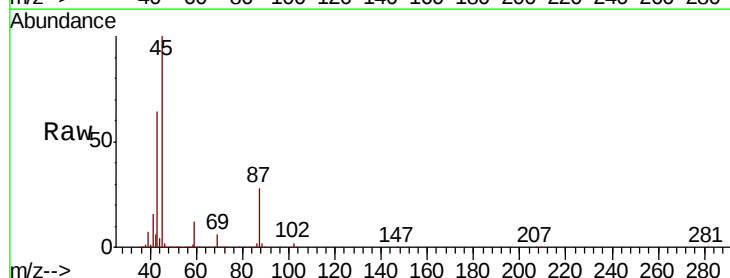
Ion Ratio Lower Upper

45 100

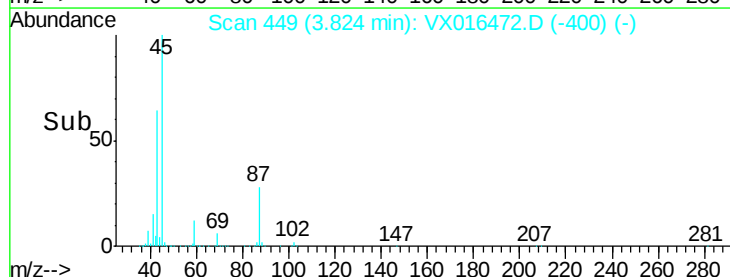
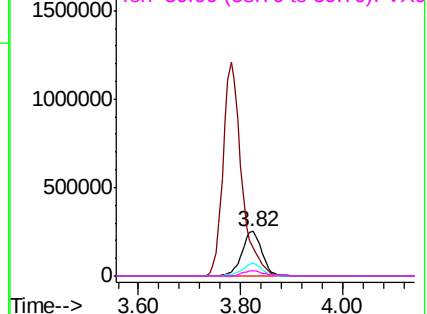
43 64.3 57.0 85.6

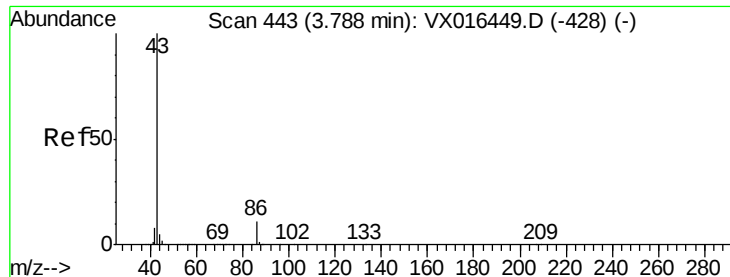
87 27.6 22.5 33.7

59 11.9 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: 279.460 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

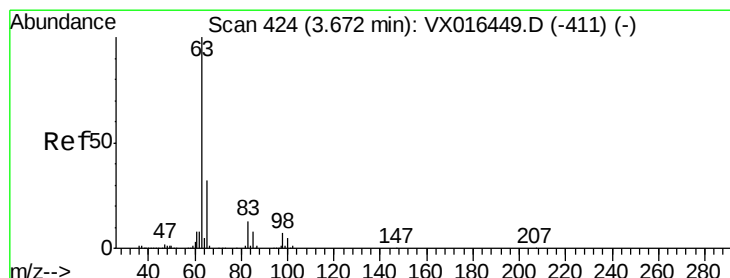
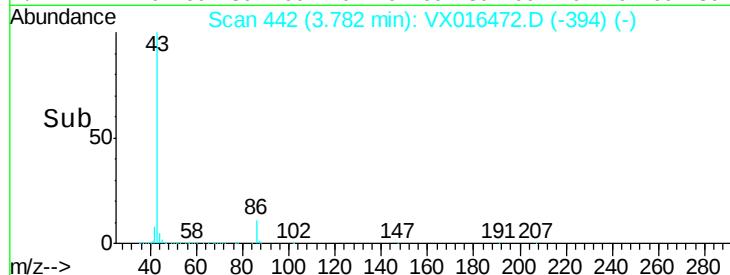
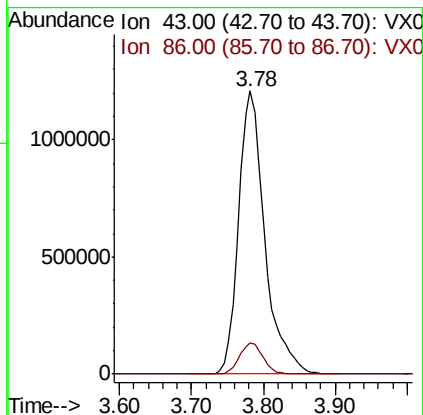
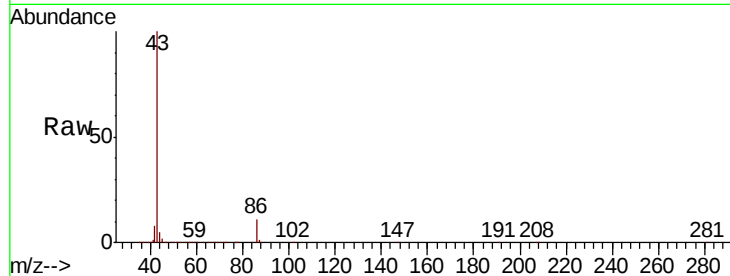
VSTDCCC050

Tot Ion: 43 Resp: 3048246

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 54.309 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

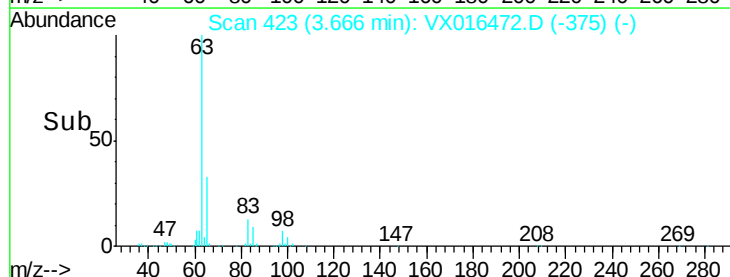
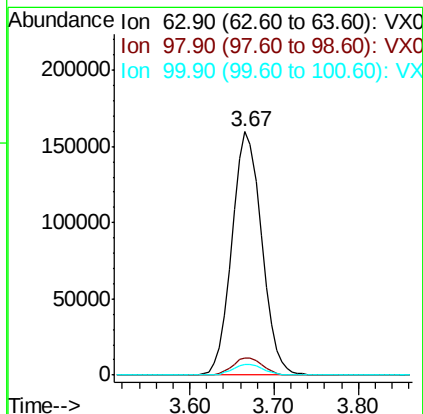
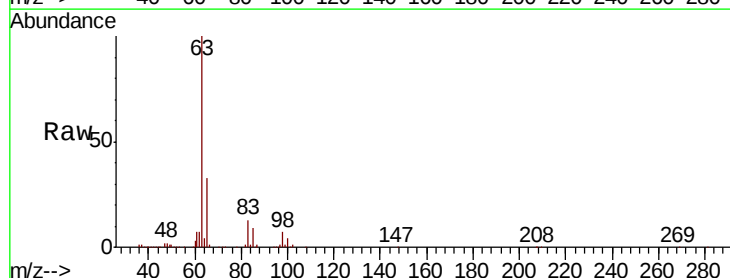
Tgt Ion: 63 Resp: 381984

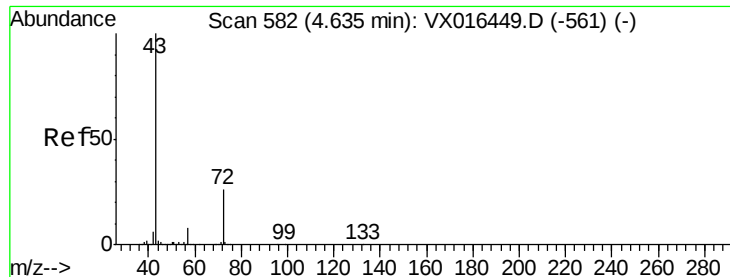
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 253.808 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

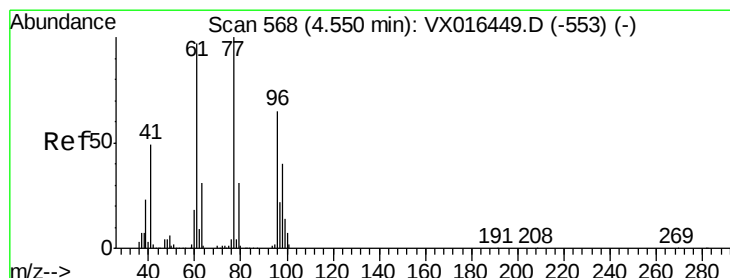
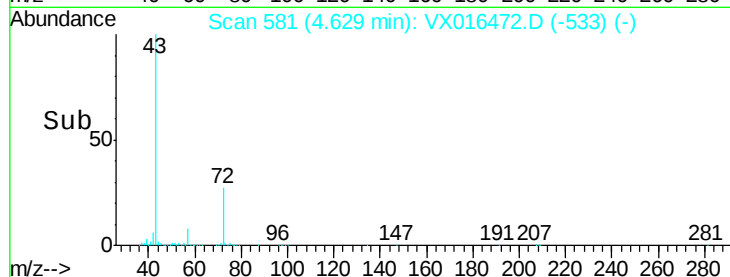
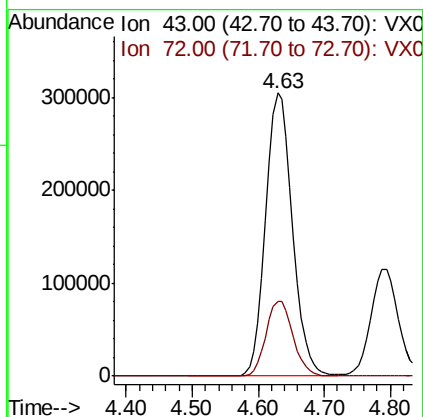
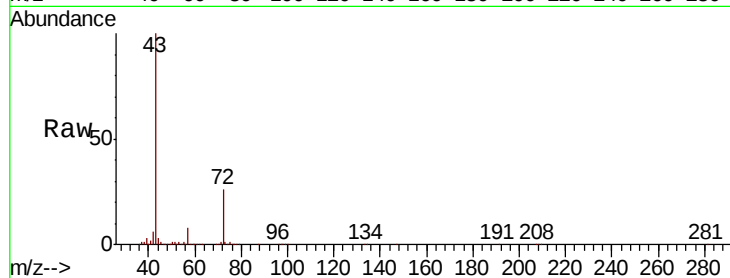
VSTDCCC050

Tot Ion: 43 Resp: 857783

Ion Ratio Lower Upper

43 100

72 26.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 58.877 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016472.D

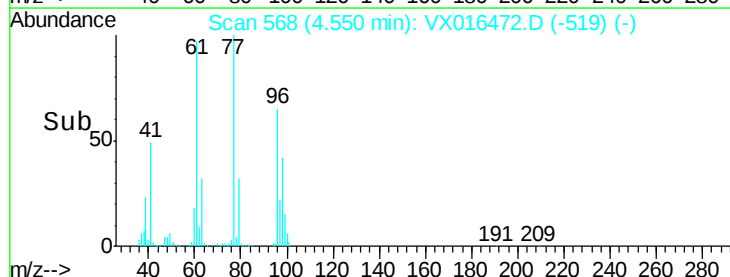
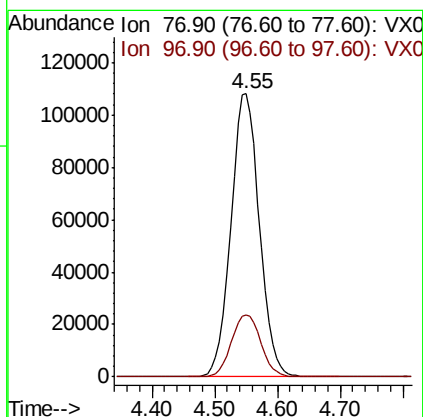
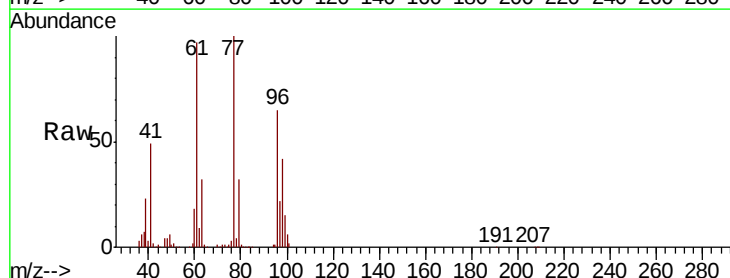
Acq: 28 May 2020 09:55

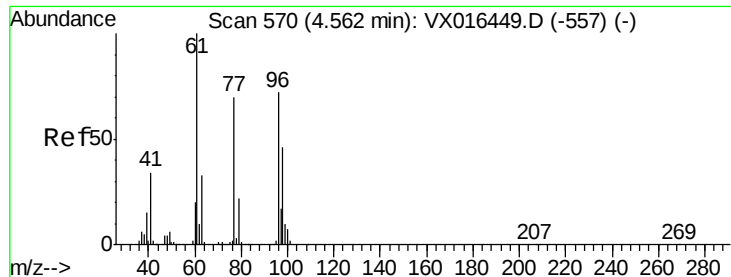
Tgt Ion: 77 Resp: 338856

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 52.842 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

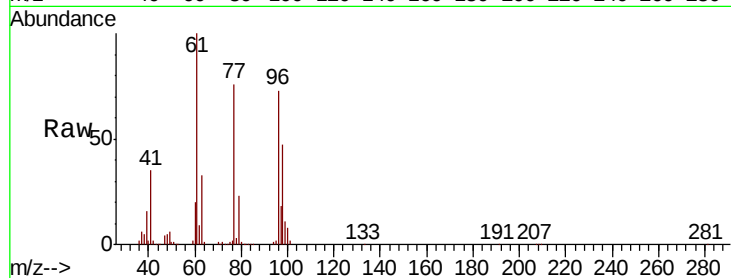
Tot Ion: 96 Resp: 238509

Ion Ratio Lower Upper

96 100

61 144.4 0.0 284.6

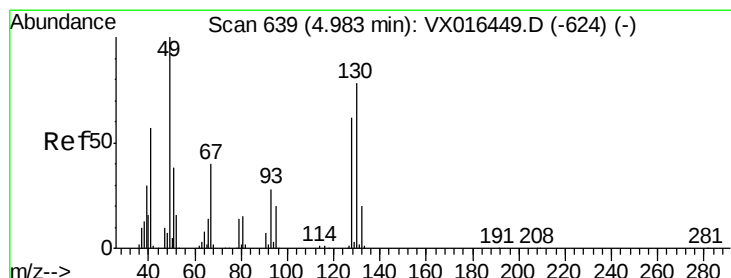
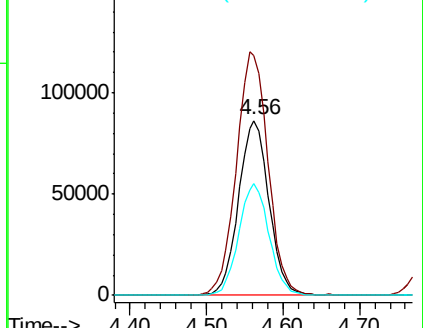
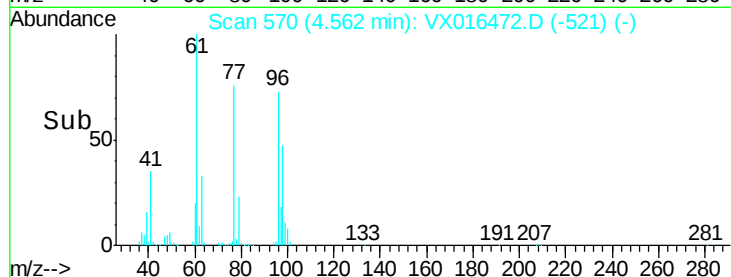
98 63.6 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 52.972 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

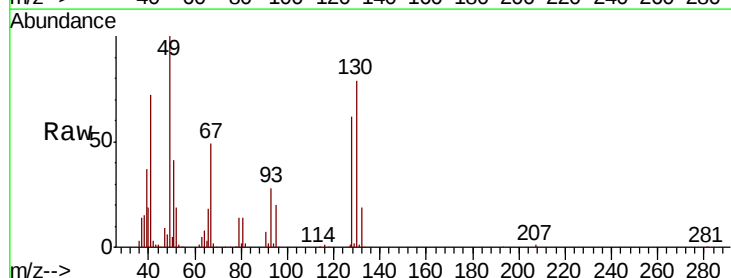
Tgt Ion: 49 Resp: 173138

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

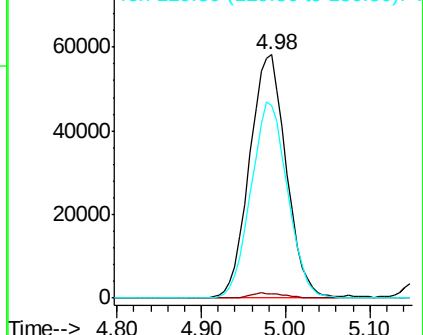
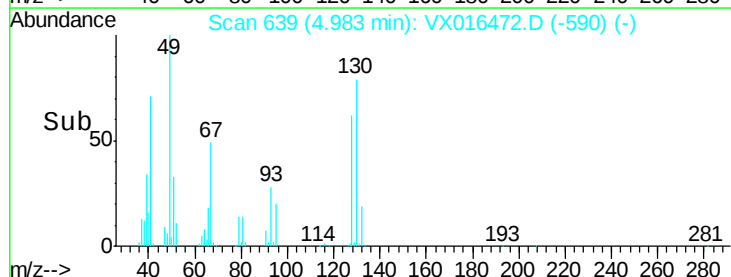
130 80.3 63.0 94.4

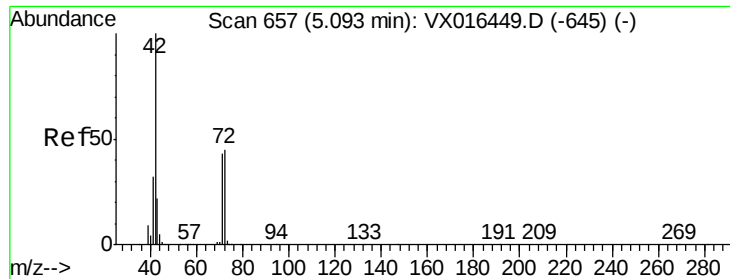


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 263.644 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

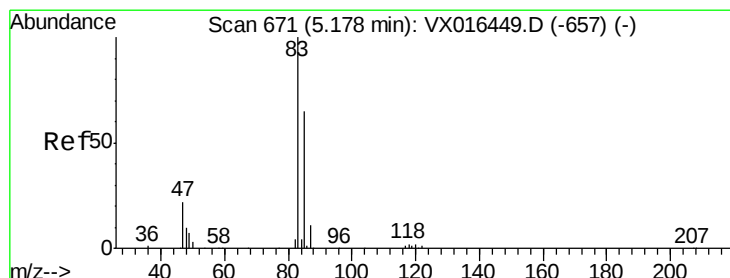
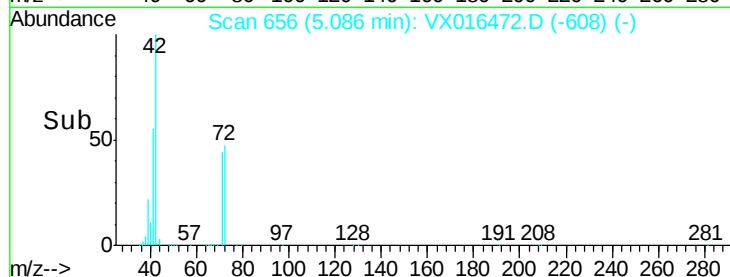
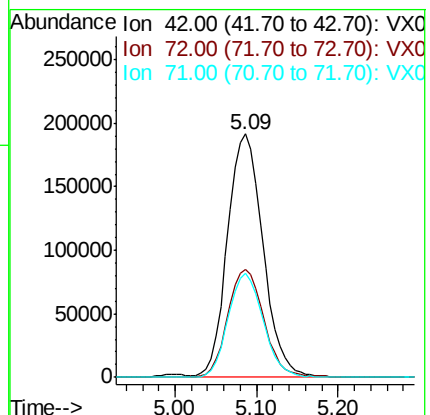
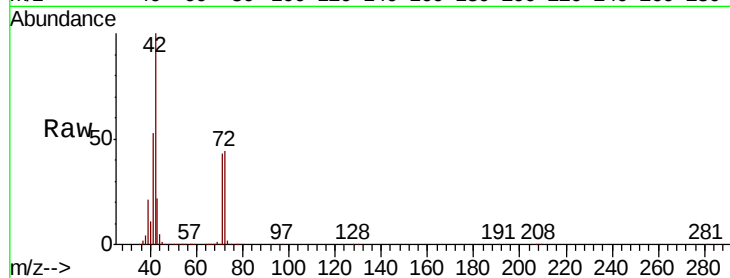
Tot Ion: 42 Resp: 575646

Ion Ratio Lower Upper

42 100

72 45.5 37.0 55.4

71 42.4 34.1 51.1



#30

Chloroform

Concen: 52.941 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016472.D

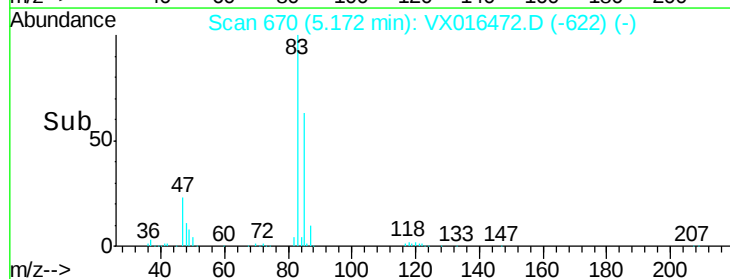
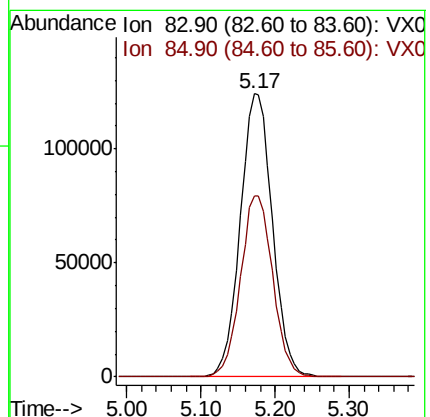
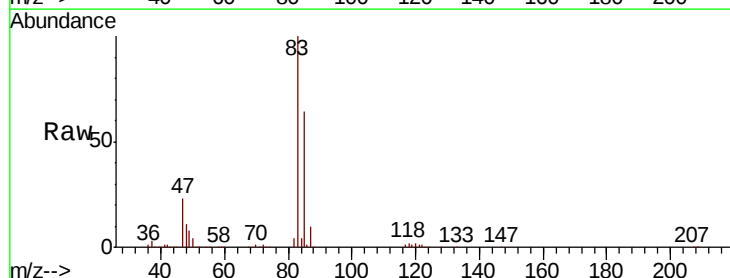
Acq: 28 May 2020 09:55

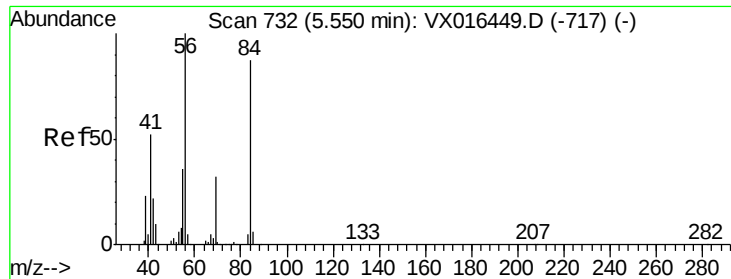
Tgt Ion: 83 Resp: 375187

Ion Ratio Lower Upper

83 100

85 64.0 52.0 78.0

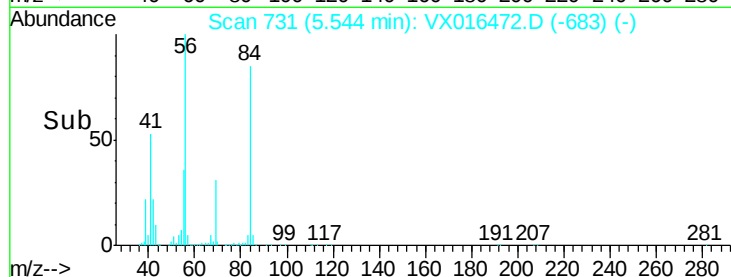
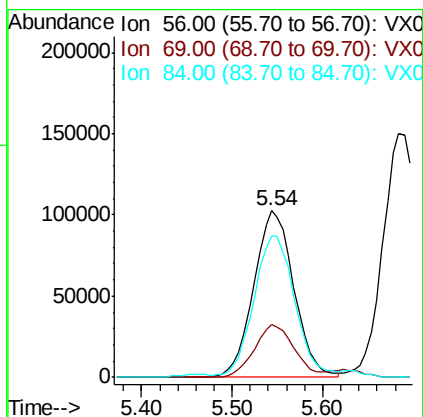
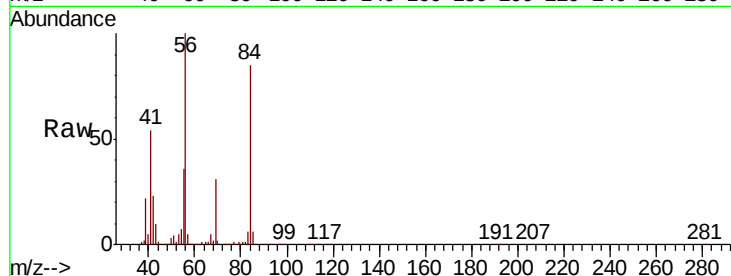




#31
Cyclohexane
Concen: 49.630 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

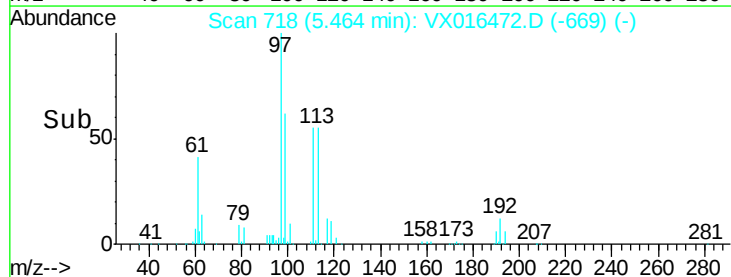
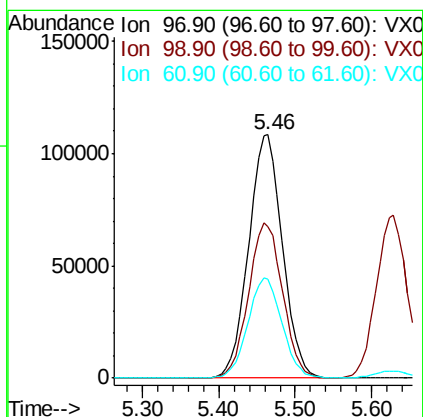
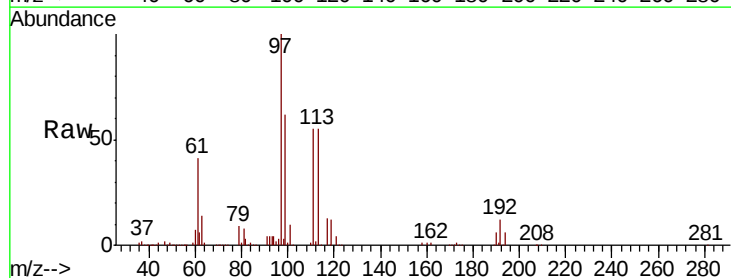
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

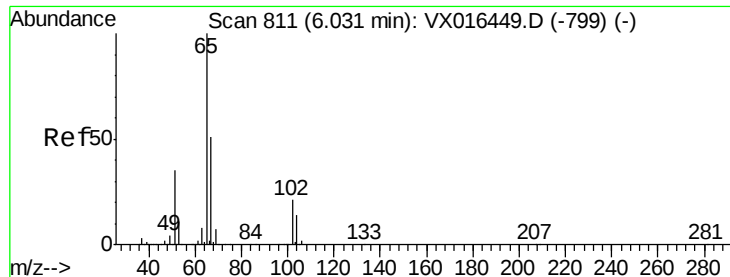
Tot Ion: 56 Resp: 314035
Ion Ratio Lower Upper
56 100
69 31.4 25.7 38.5
84 83.1 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 52.014 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion: 97 Resp: 333728
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 41.6 33.5 50.3

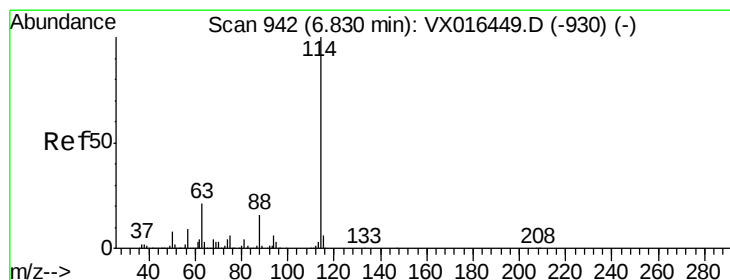
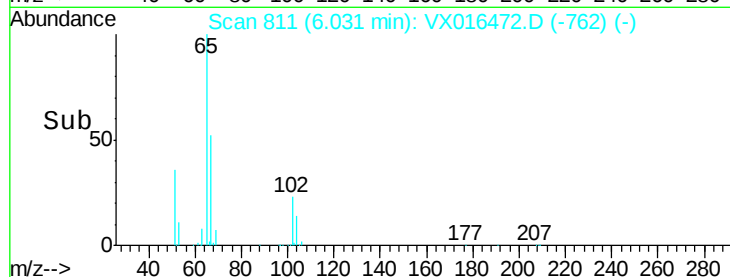
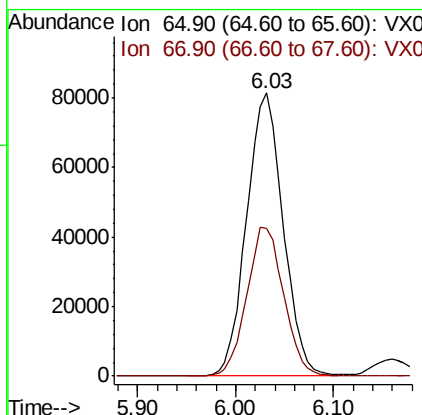
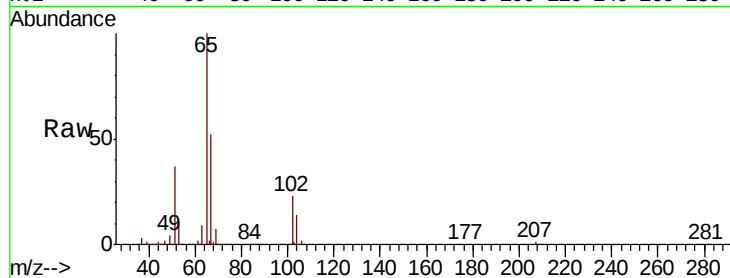




#33
 1,2-Dichloroethane-d4
 Concen: 46.498 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

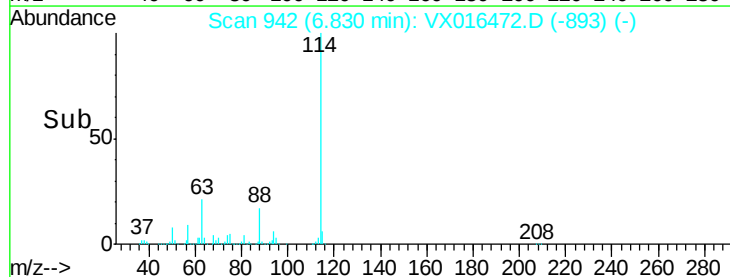
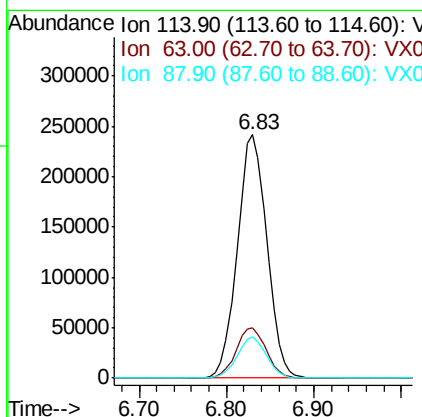
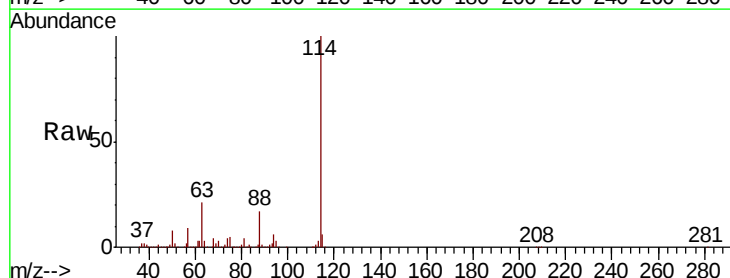
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 211680
 Ion Ratio Lower Upper
 65 100
 67 53.2 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: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 114 Resp: 568397
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.559 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

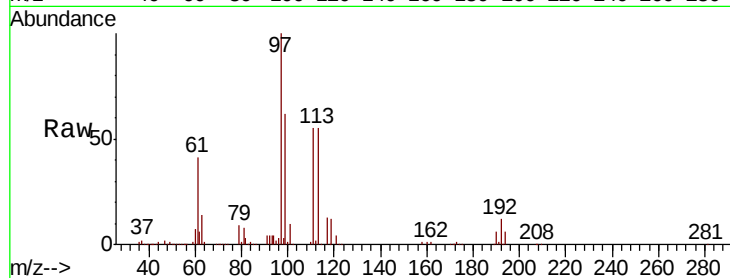
Tot Ion:113 Resp: 166449

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

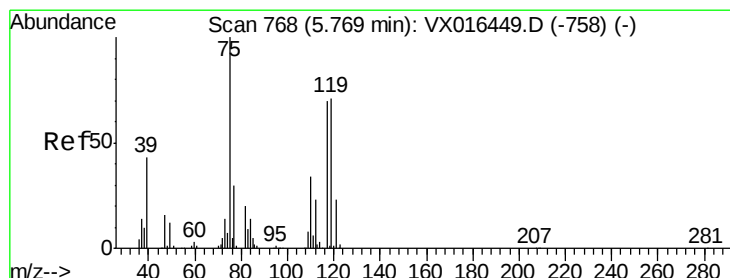
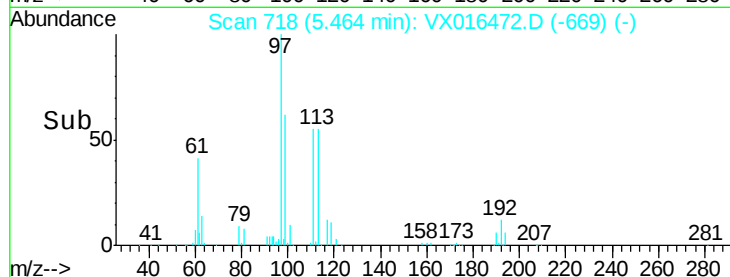
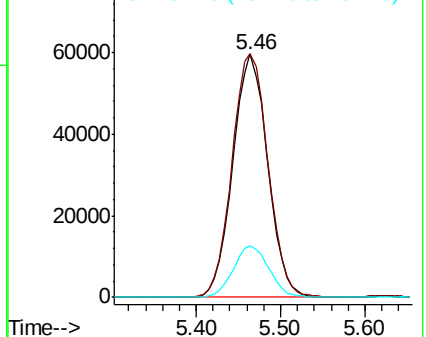
192 21.8 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.147 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

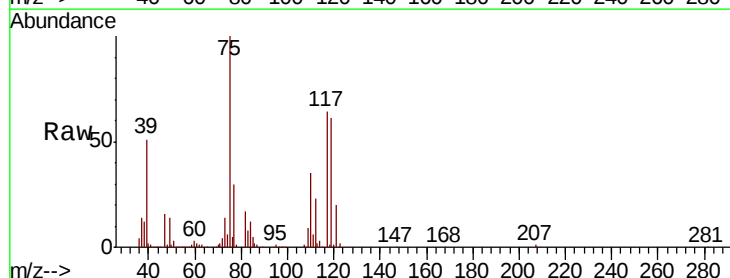
Tgt Ion: 75 Resp: 291398

Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.3

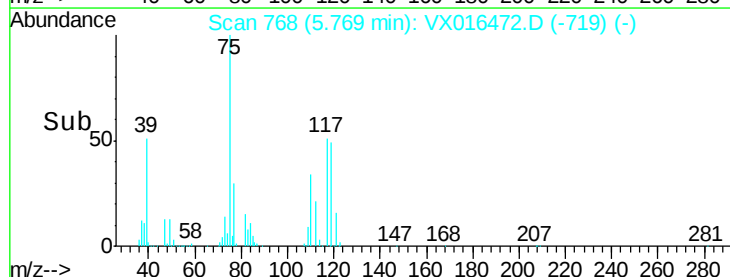
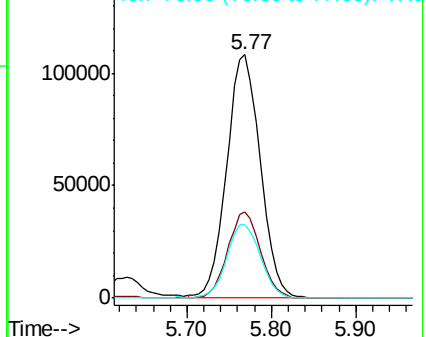
77 30.6 24.2 36.4

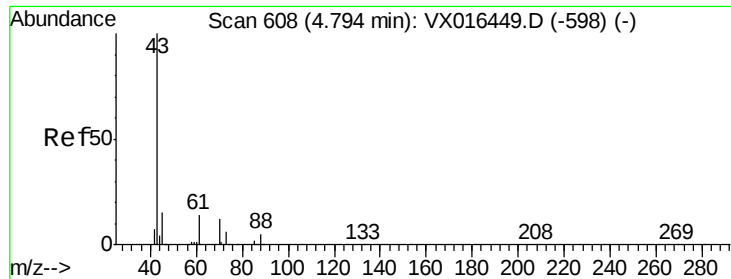


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

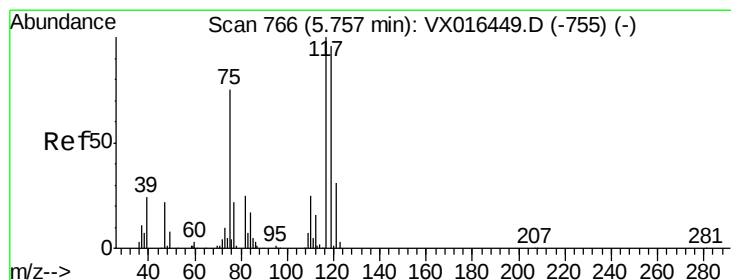
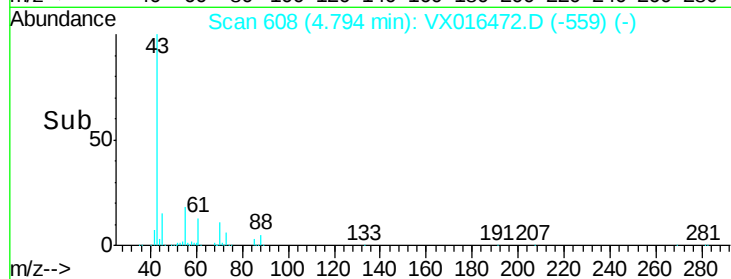
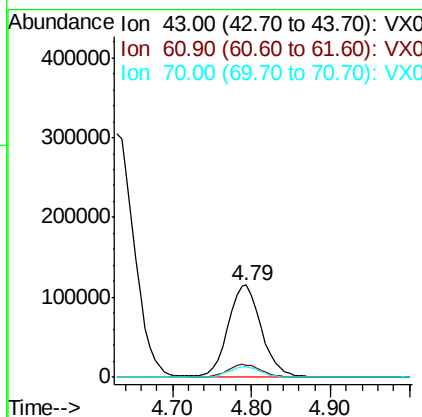
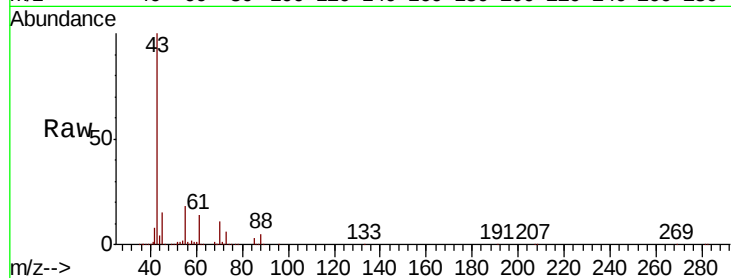




#37
Ethyl Acetate
Concen: 52.007 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

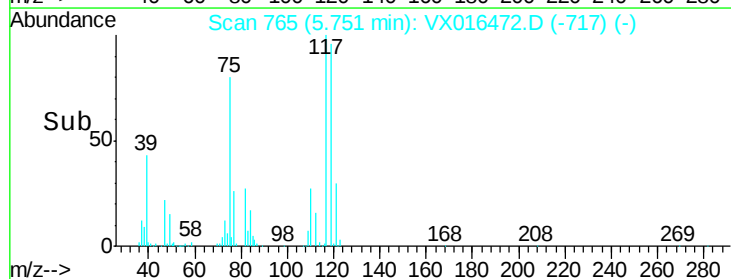
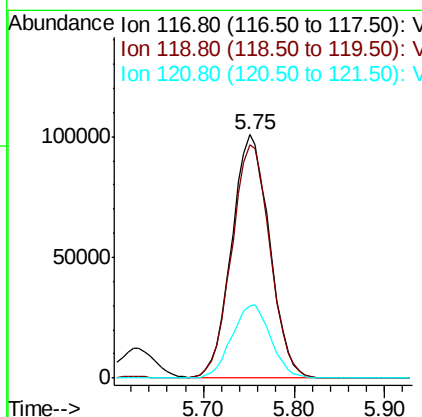
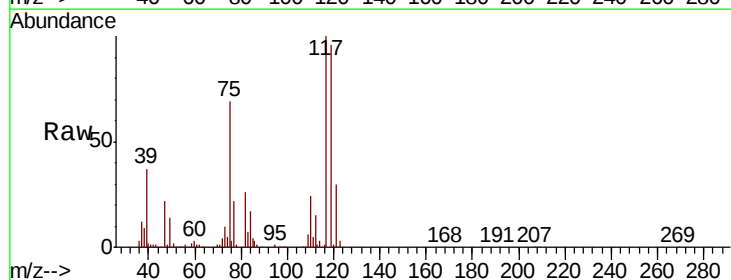
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

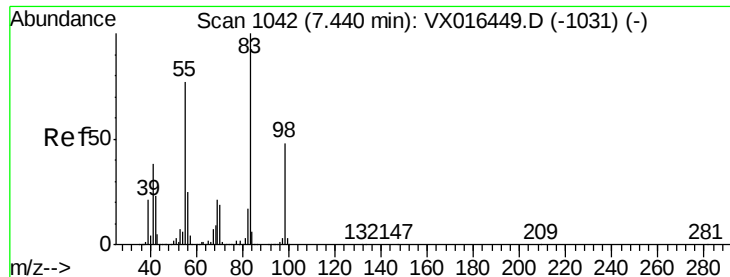
Tot Ion	43	Resp	336021
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.3	16.9
70	11.6	9.3	13.9



#38
Carbon Tetrachloride
Concen: 51.504 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion	117	Resp	291286
Ion Ratio	Lower	Upper	
117	100		
119	96.1	76.3	114.5
121	29.9	24.6	37.0

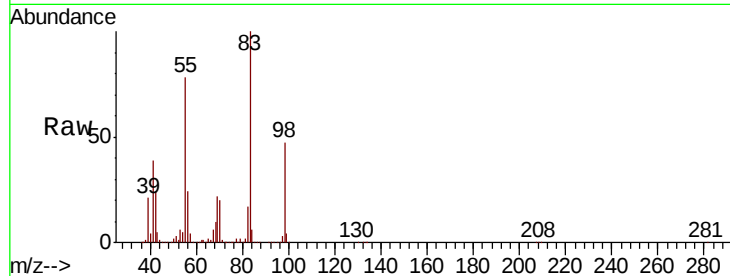




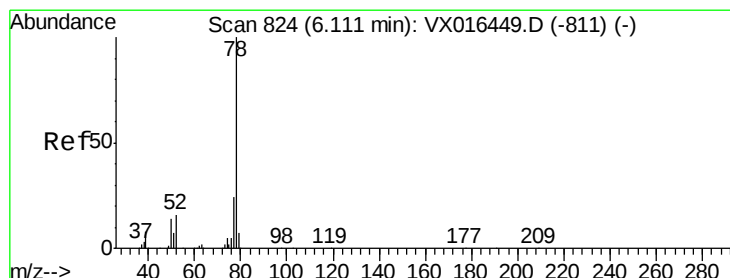
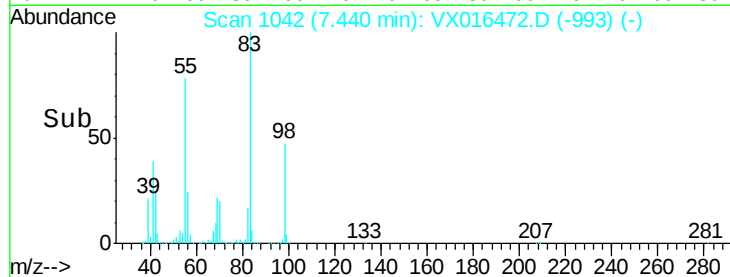
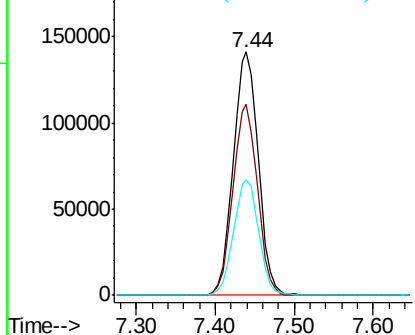
#39
Methvlcvclohexane
Concen: 53.218 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 311079
Ion Ratio Lower Upper
83 100
55 78.3 61.7 92.5
98 47.4 38.7 58.1

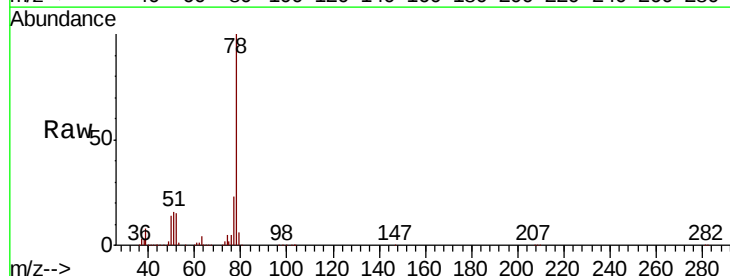


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

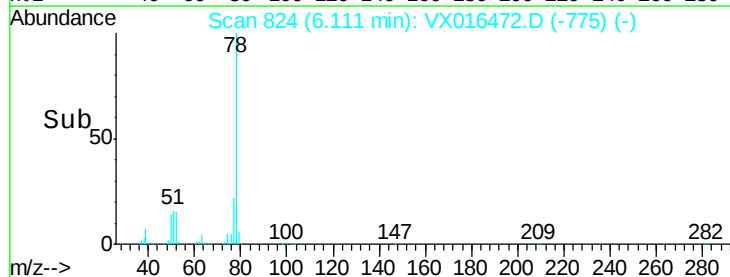
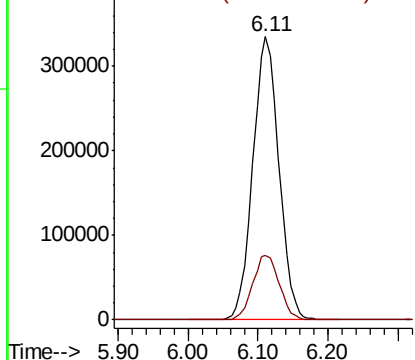


#40
Benzene
Concen: 53.964 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion: 78 Resp: 864833
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

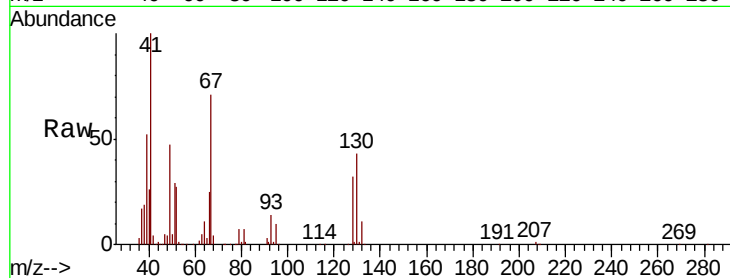




#41
Methacrylonitrile
Concen: 53.094 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	188431
Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.0	64.4
67	71.5	58.9	88.3
52	27.4	23.1	34.7



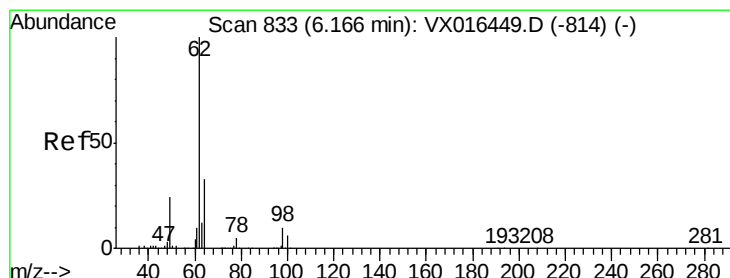
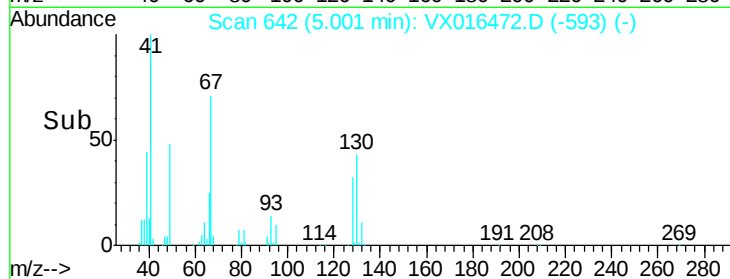
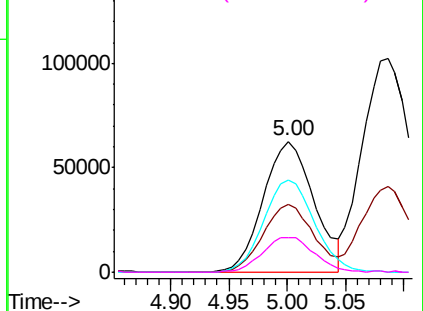
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

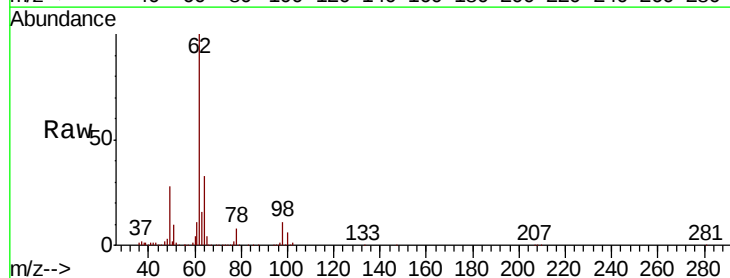
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 52.273 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

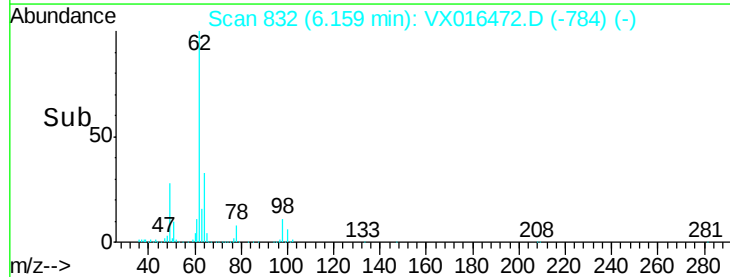
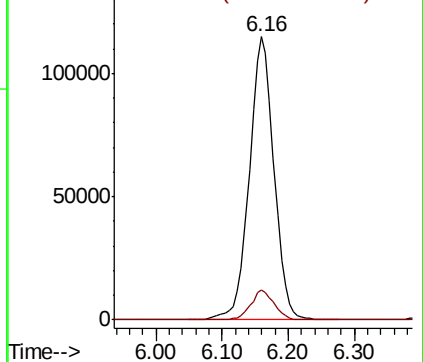
Tgt Ion:	62	Resp:	297920
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8



Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.611 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

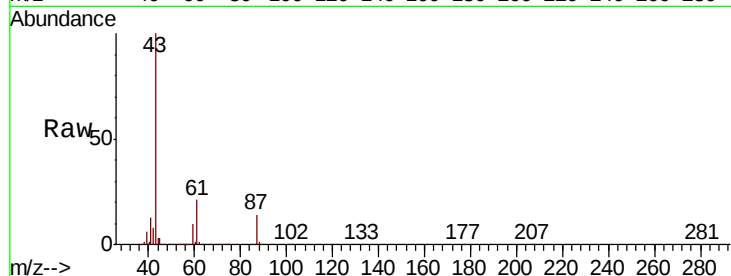
Tot Ion: 43 Resp: 540304

Ion Ratio Lower Upper

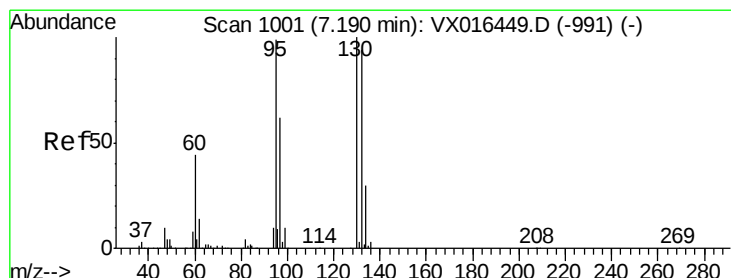
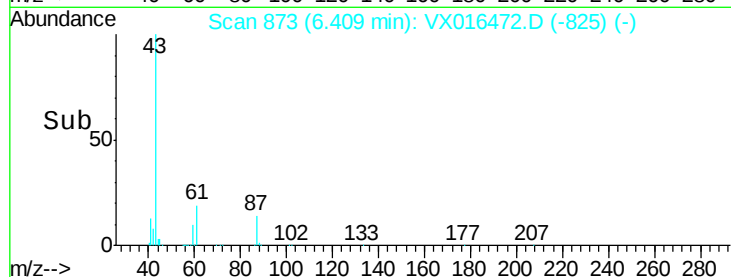
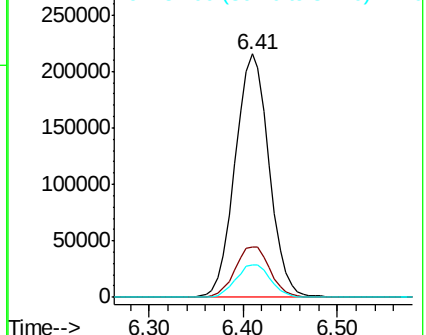
43 100

61 21.4 16.8 25.2

87 13.8 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 52.424 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016472.D

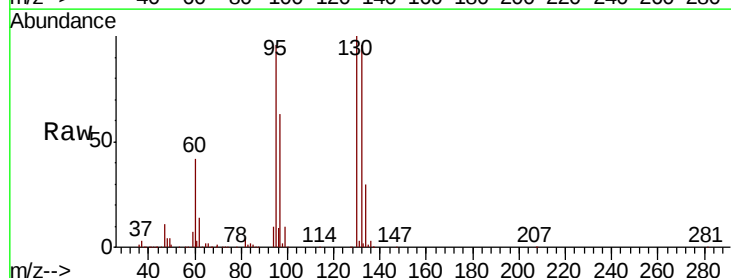
Acq: 28 May 2020 09:55

Tgt Ion:130 Resp: 266567

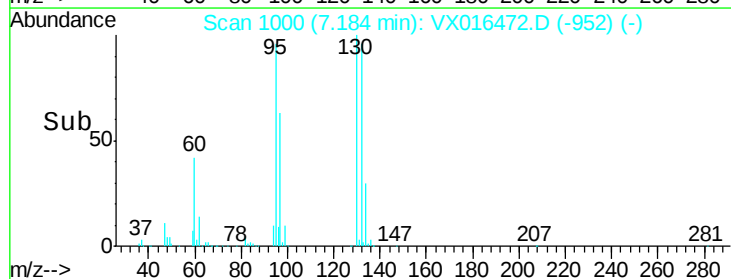
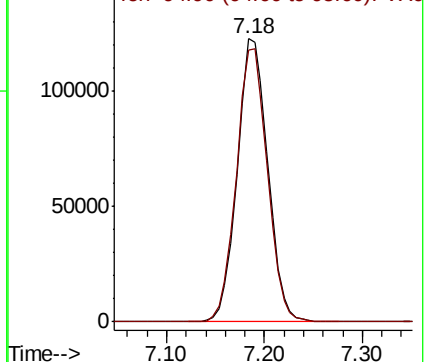
Ion Ratio Lower Upper

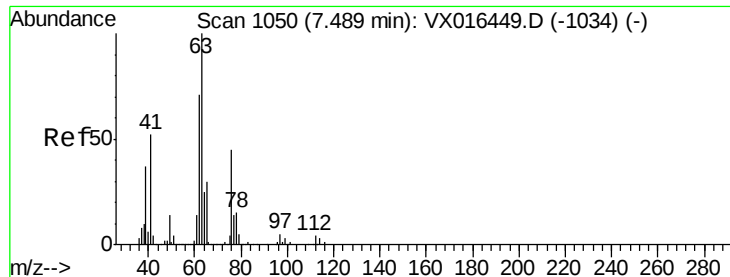
130 100

95 95.9 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 54.756 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

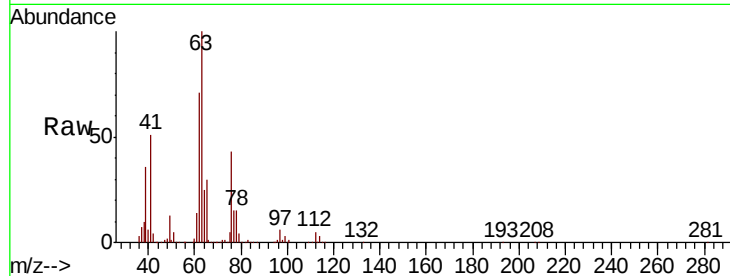
VSTDCCC050

Tot Ion: 63 Resp: 223400

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

120000

100000

80000

60000

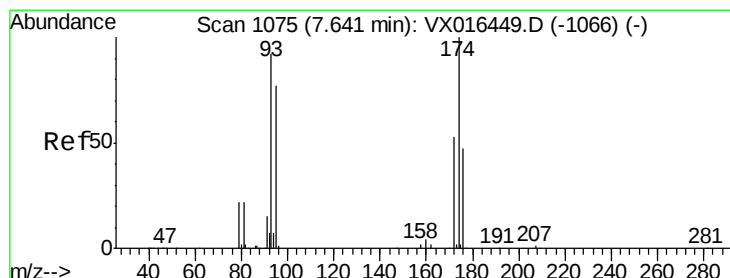
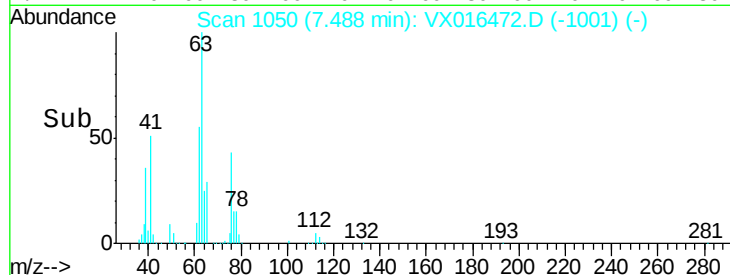
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 53.206 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

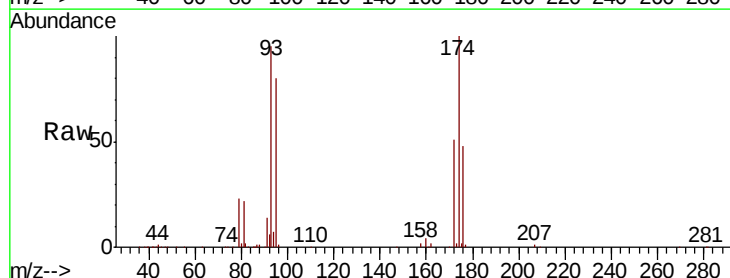
Tgt Ion: 93 Resp: 145804

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 107.5 86.2 129.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

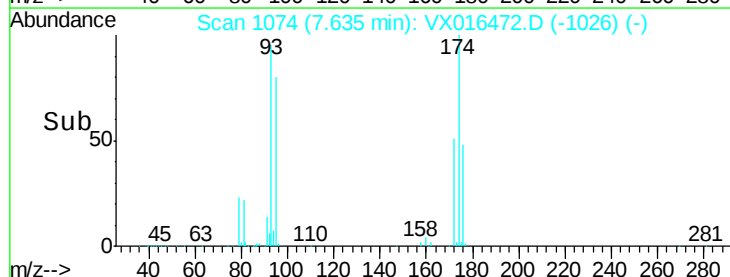
40000

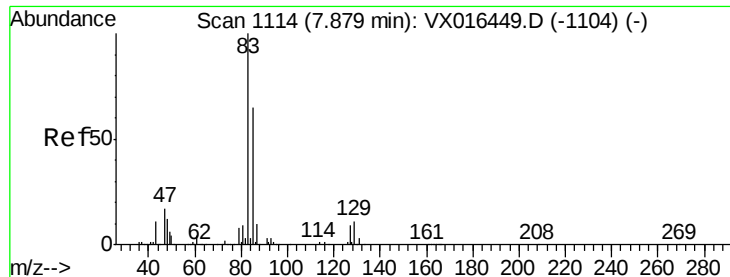
20000

0

Time-->

7.60 7.70





#47

Bromodichloromethane

Concen: 53.863 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

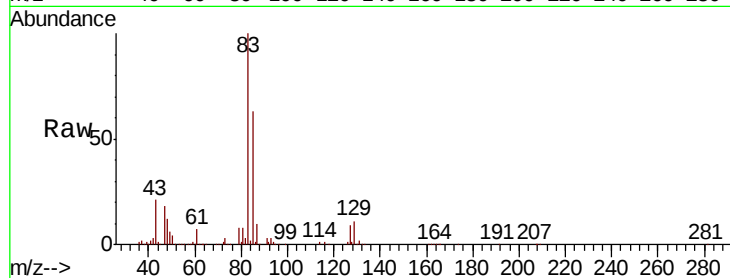
Tot Ion: 83 Resp: 305625

Ion Ratio Lower Upper

83 100

85 63.0 52.0 78.0

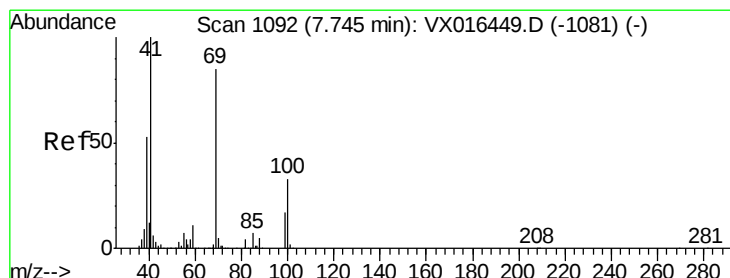
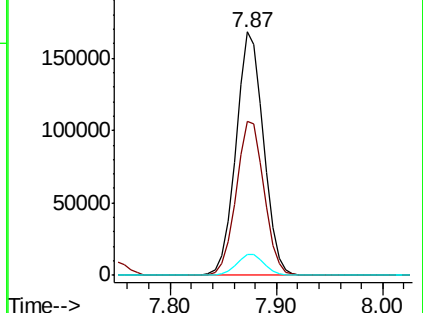
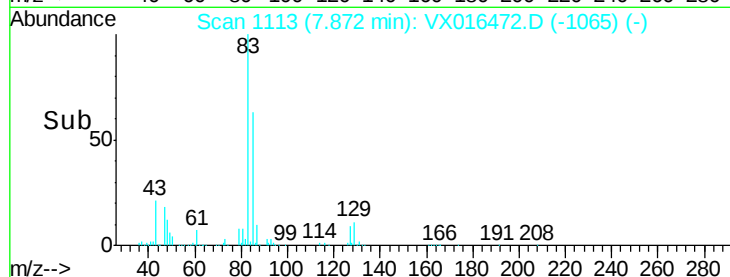
127 8.6 7.4 11.0



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: 53.979 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

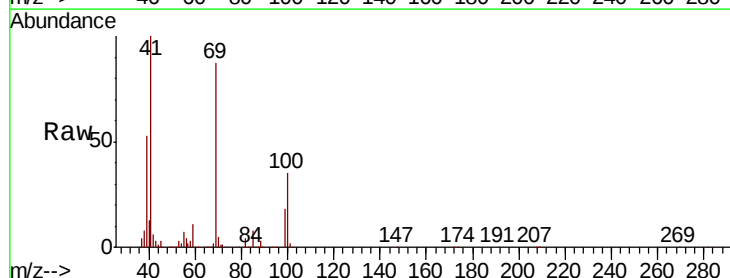
Tgt Ion: 41 Resp: 260474

Ion Ratio Lower Upper

41 100

69 85.6 68.6 102.8

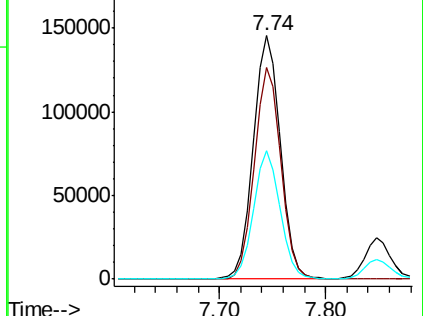
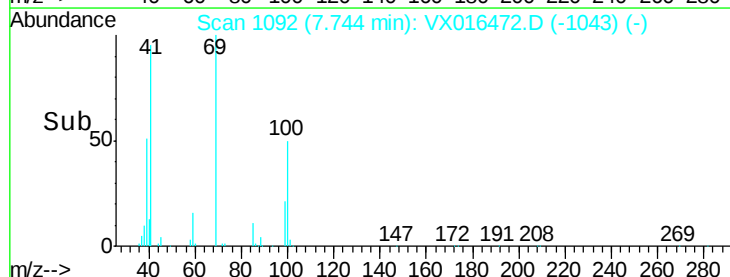
39 51.9 42.4 63.6

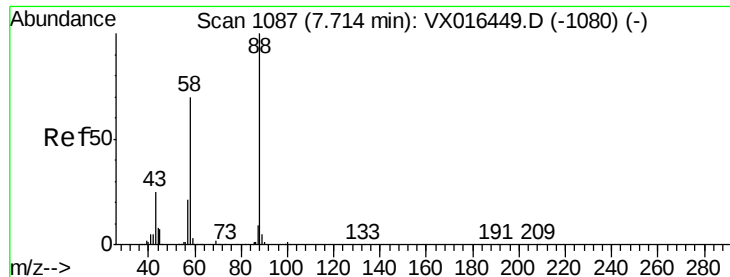


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 935.787 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

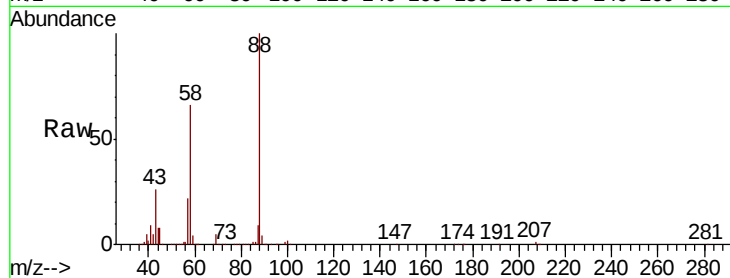
Tot Ion: 88 Resp: 105676

Ion Ratio Lower Upper

88 100

43 30.8 24.2 36.4

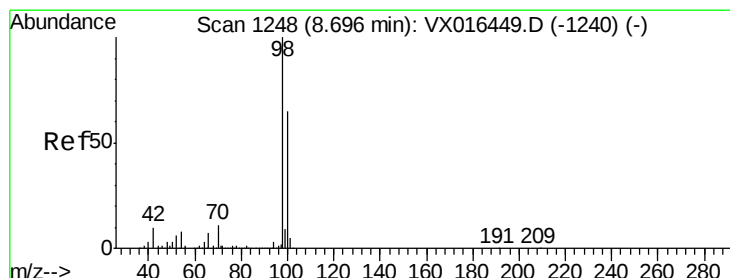
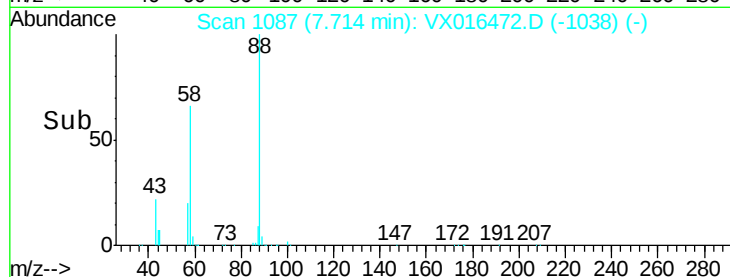
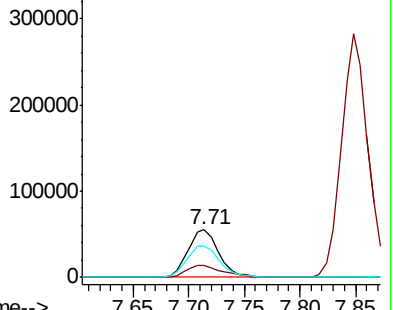
58 70.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.603 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016472.D

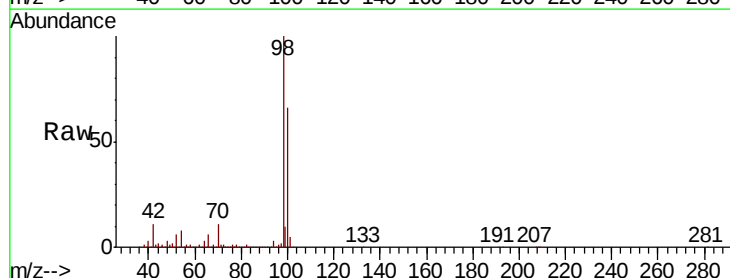
Acq: 28 May 2020 09:55

Tgt Ion: 98 Resp: 662090

Ion Ratio Lower Upper

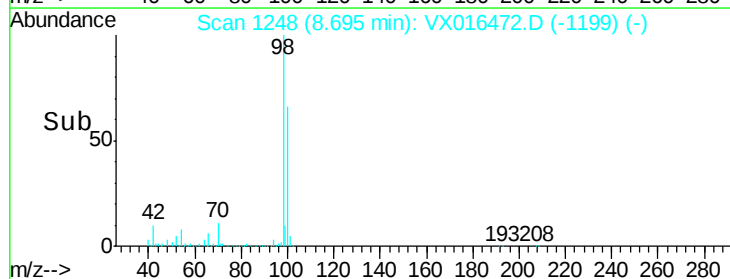
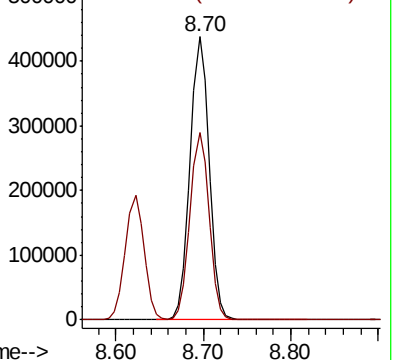
98 100

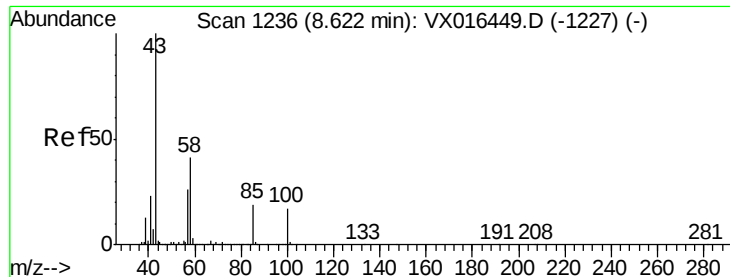
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

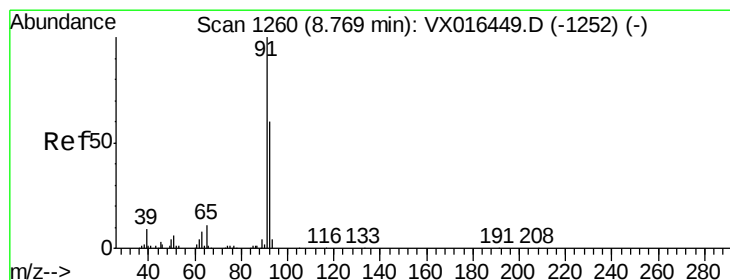
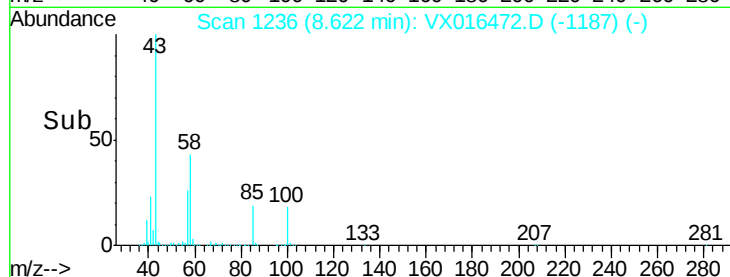
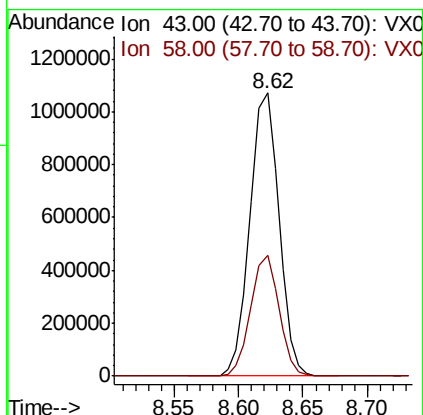
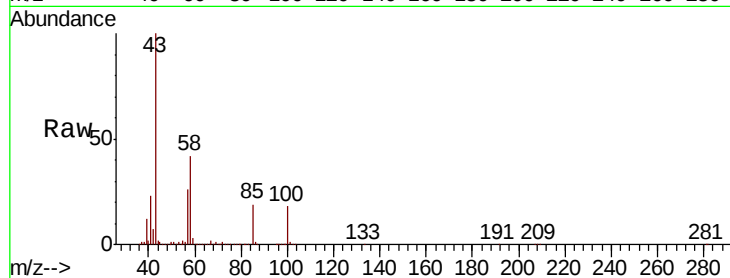




#51
 4-Methyl-2-Pentanone
 Concen: 266.187 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

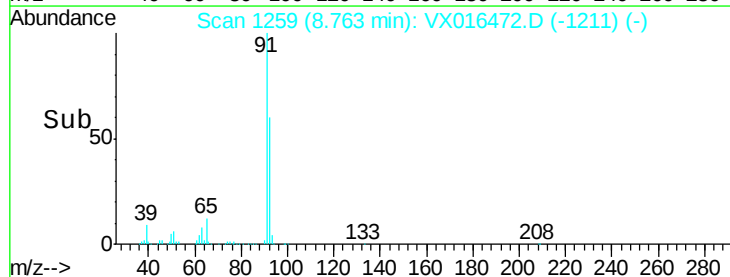
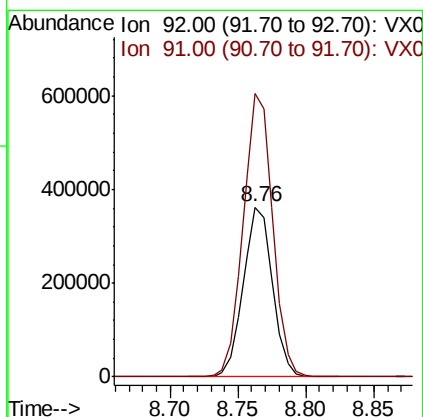
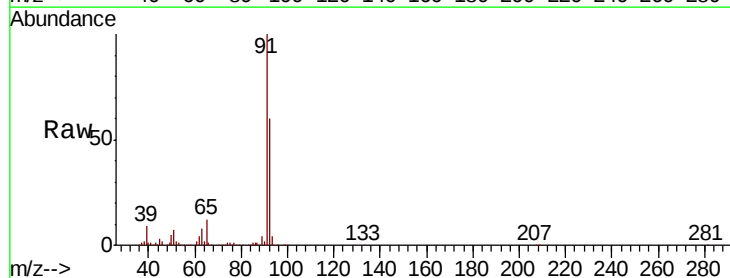
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1670404
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.0 49.6



#52
 Toluene
 Concen: 53.823 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 92 Resp: 543943
 Ion Ratio Lower Upper
 92 100
 91 168.1 135.0 202.4

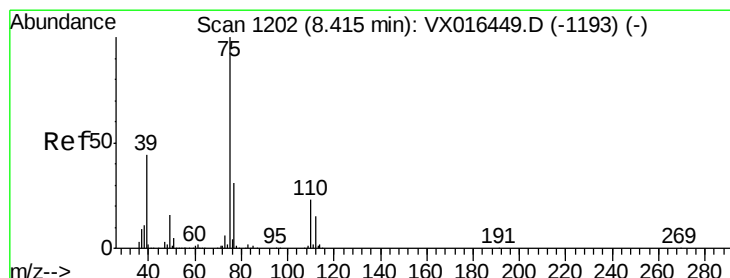
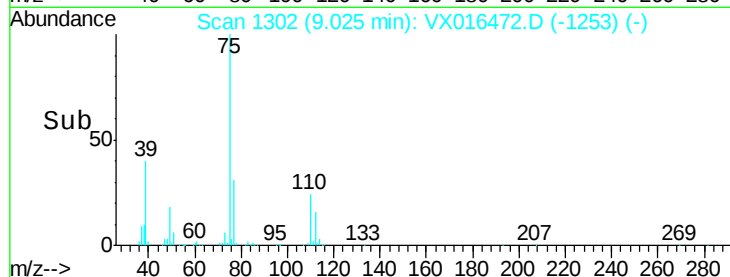
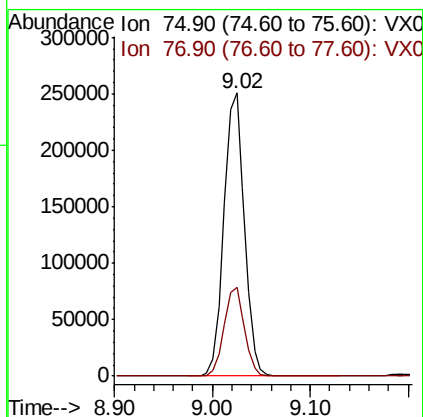
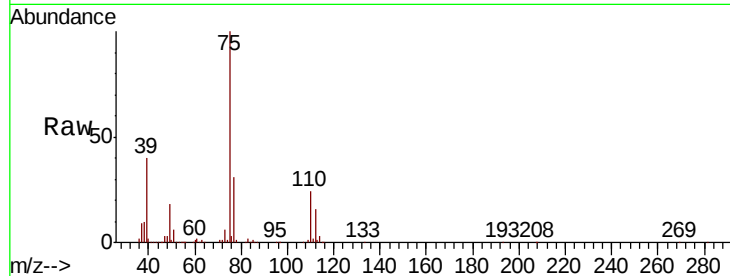




#53
 t-1,3-Dichloropropene
 Concen: 56.427 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

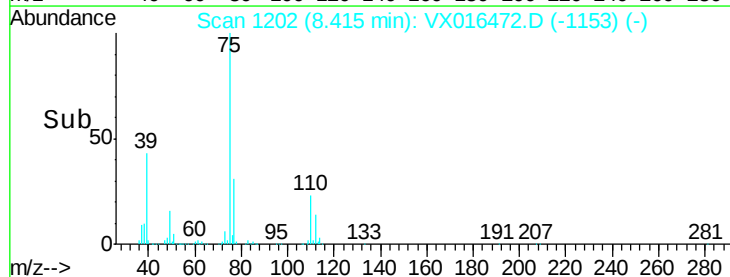
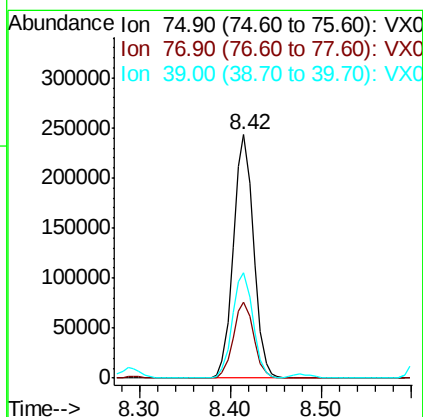
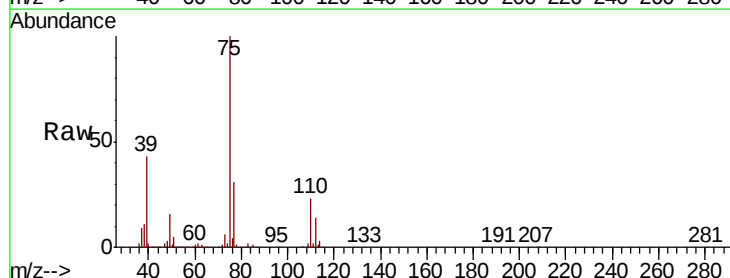
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

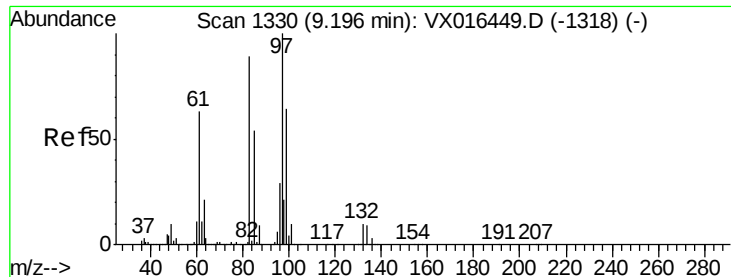
Tot Ion: 75 Resp: 364071
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 55.822 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 75 Resp: 381227
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 36.8
 39 43.1 35.3 52.9

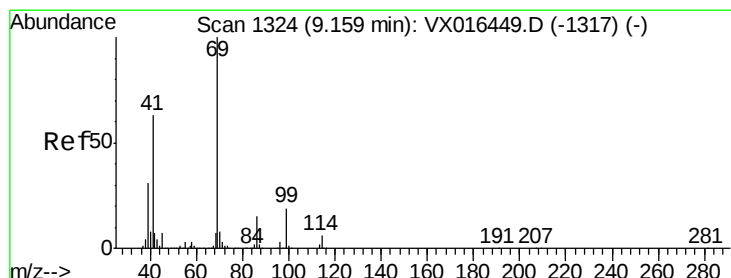
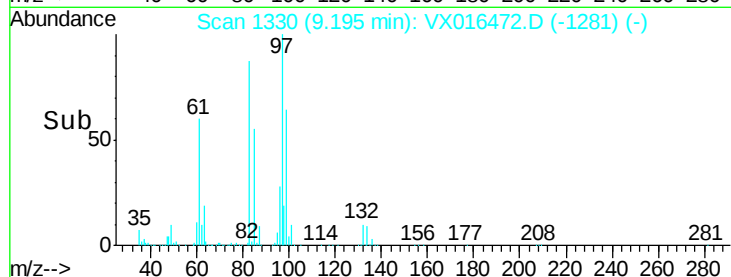
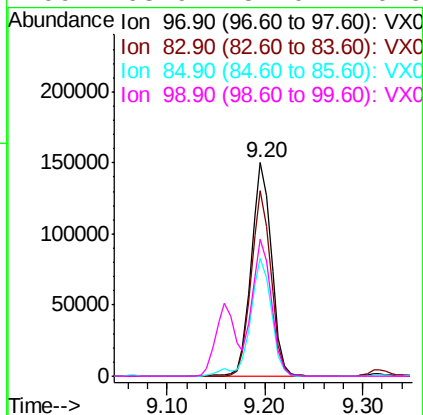
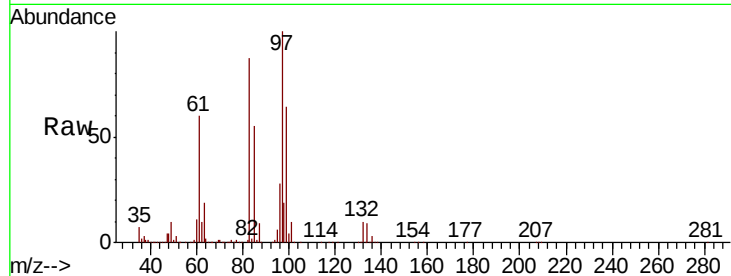




#55
 1,1,2-Trichloroethane
 Concen: 53.704 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

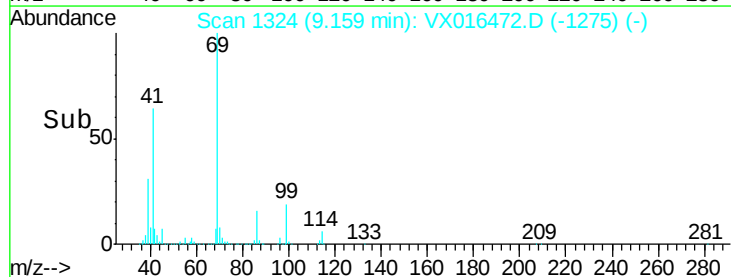
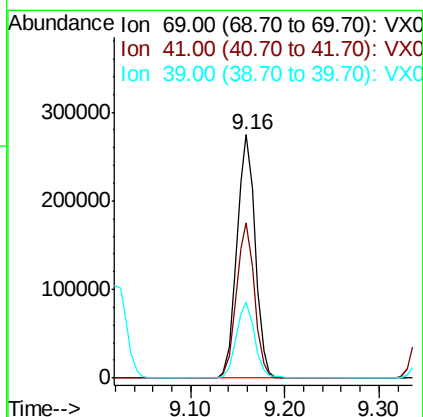
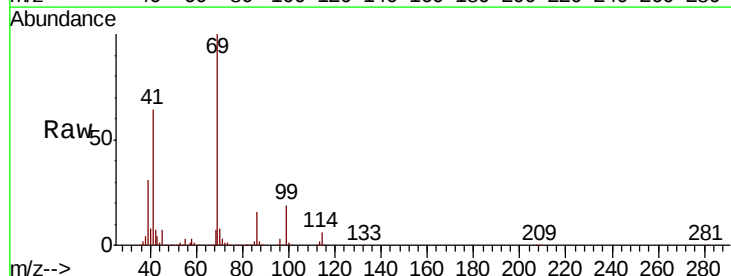
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	215792
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.9	106.3
85	55.2	43.4	65.2
99	63.9	51.0	76.6



#56
 Ethyl methacrylate
 Concen: 56.392 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion:	69	Resp:	369037
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.7	76.1
39	31.3	25.8	38.6





#57

1,3-Dichloropropane

Concen: 53.579 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

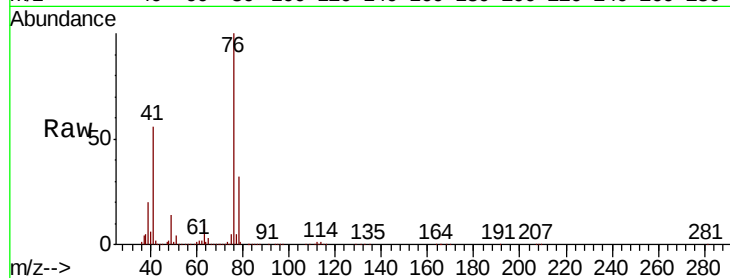
VSTDCCC050

Tot Ion: 76 Resp: 369534

Ion Ratio Lower Upper

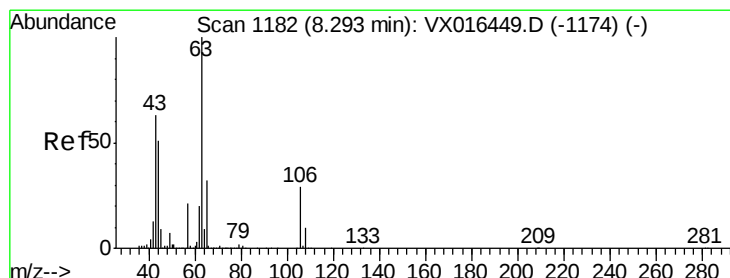
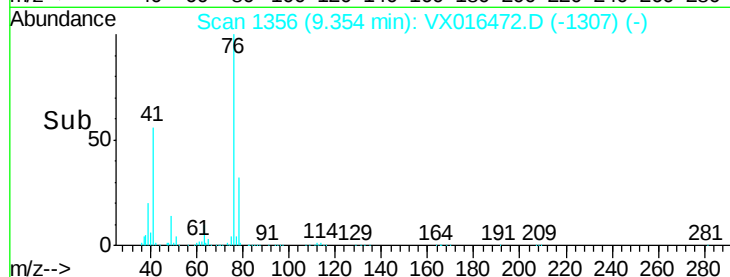
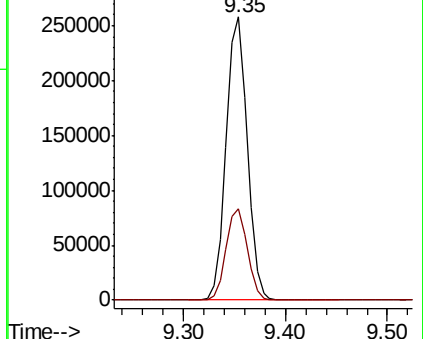
76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 260.494 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016472.D

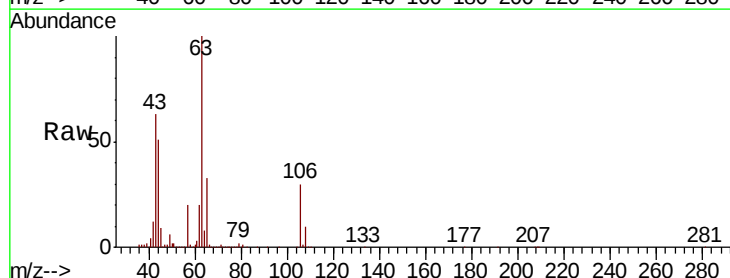
Acq: 28 May 2020 09:55

Tgt Ion: 63 Resp: 889784

Ion Ratio Lower Upper

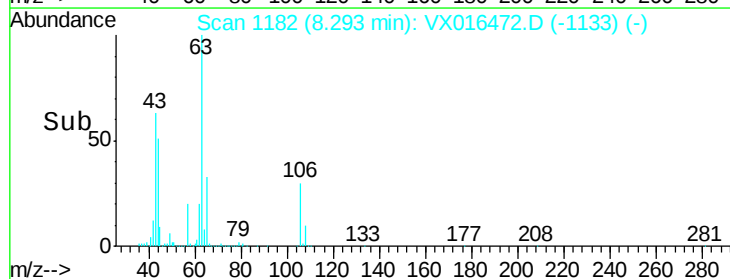
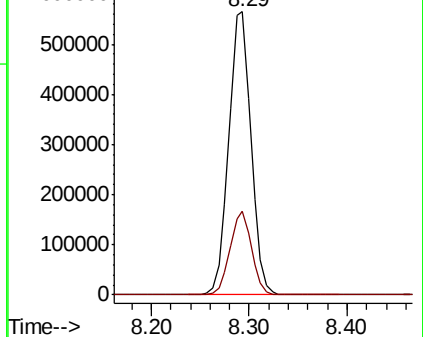
63 100

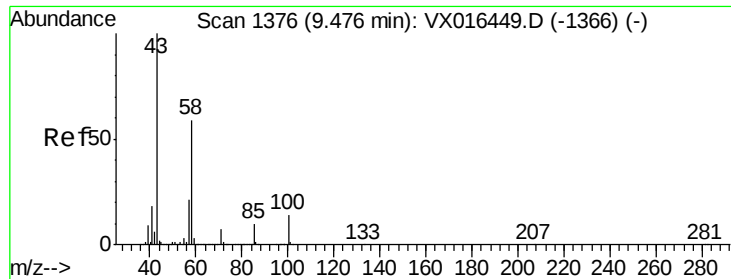
106 28.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

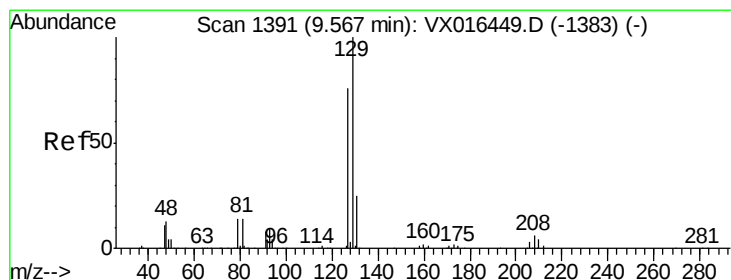
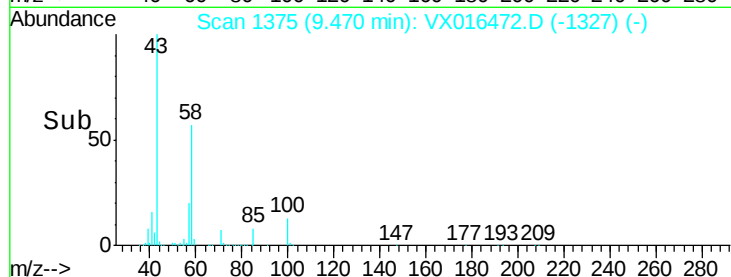
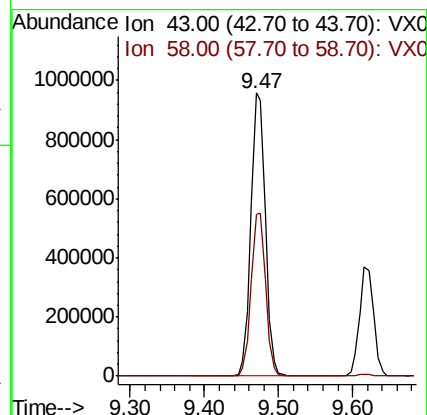
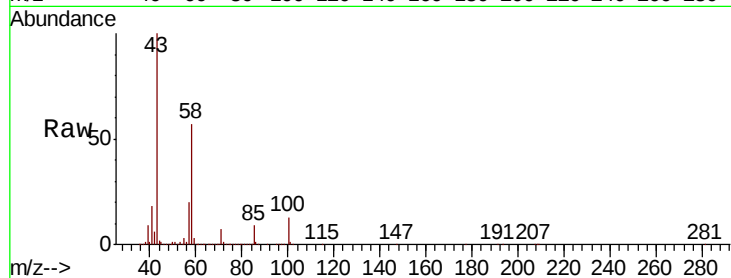




#59
2-Hexanone
Concen: 268.817 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

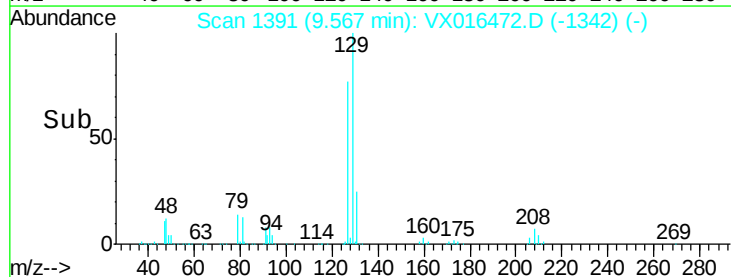
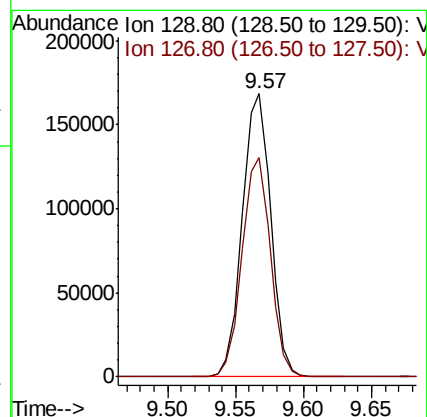
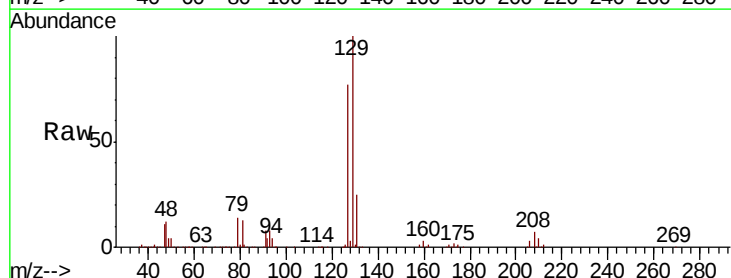
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

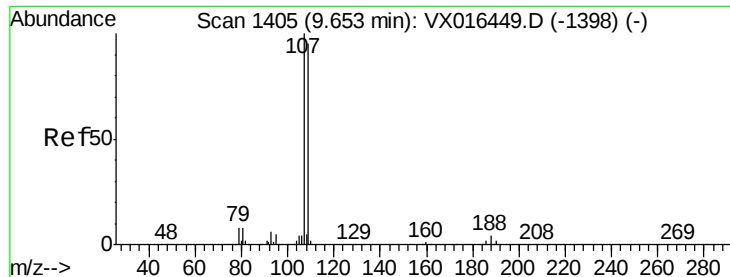
Tot Ion: 43 Resp: 1311834
Ion Ratio Lower Upper
43 100
58 57.8 28.8 86.4



#60
Dibromochloromethane
Concen: 54.572 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion: 129 Resp: 246770
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

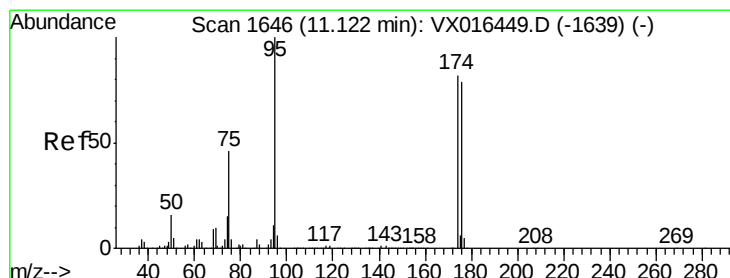
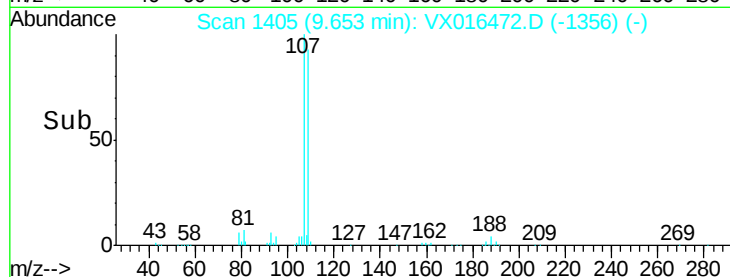
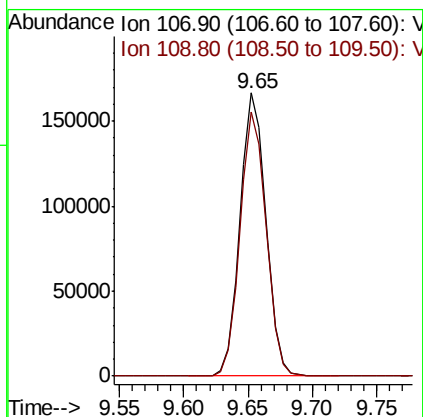
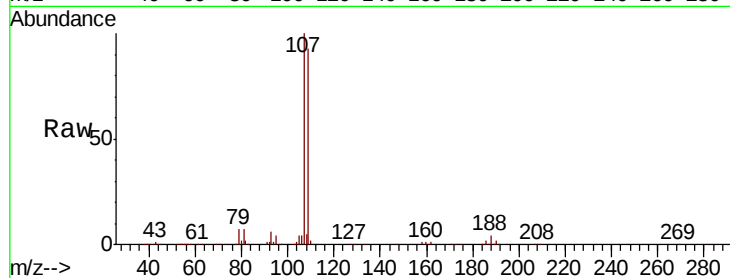




#61
 1,2-Dibromoethane
 Concen: 53.812 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

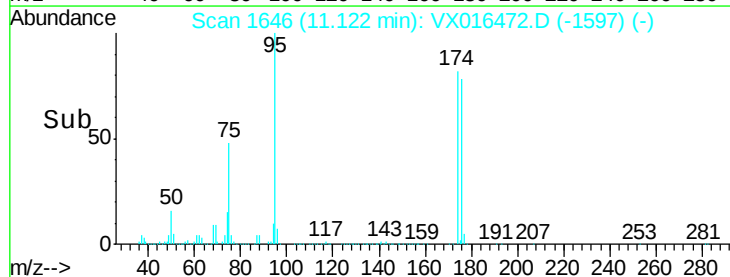
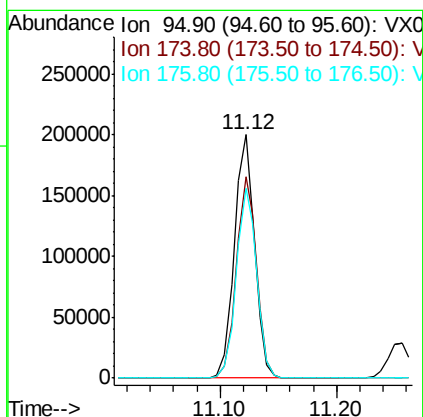
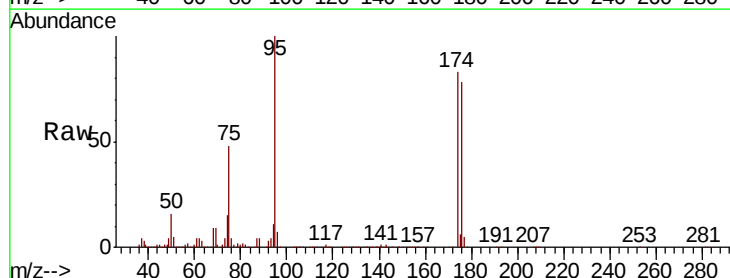
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

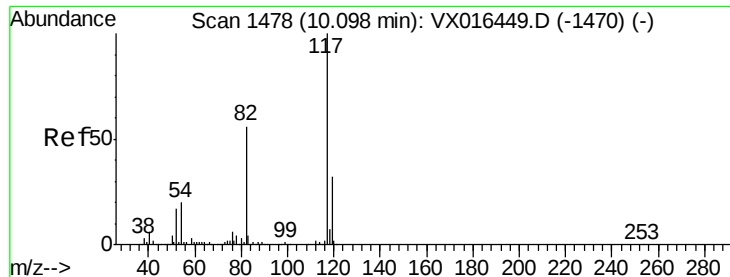
Tot Ion: 107 Resp: 231547
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 45.988 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 95 Resp: 242066
 Ion Ratio Lower Upper
 95 100
 174 82.6 0.0 163.0
 176 78.6 0.0 156.8

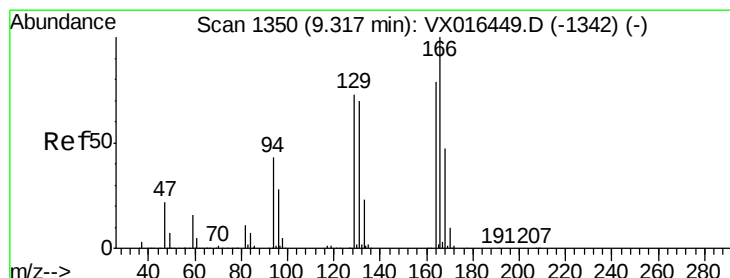
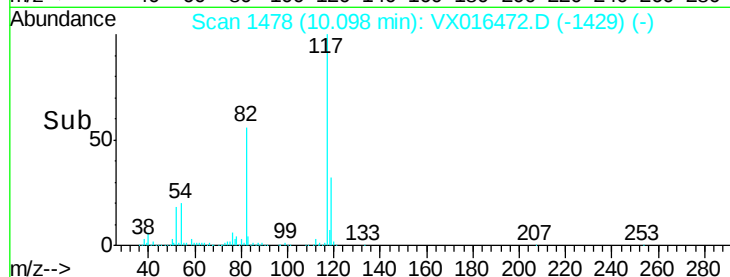
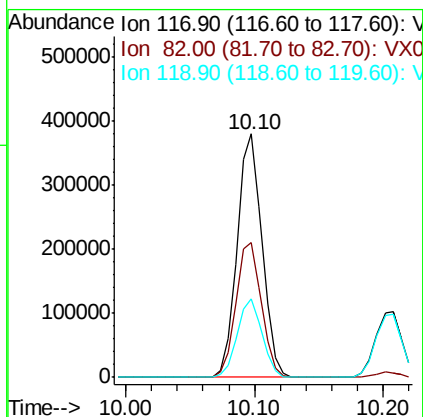
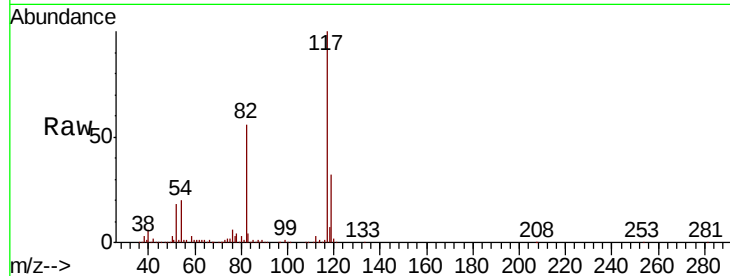




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

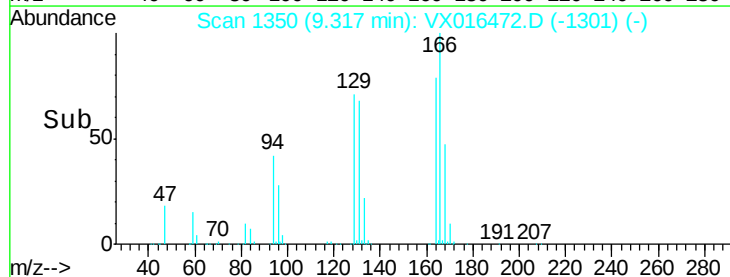
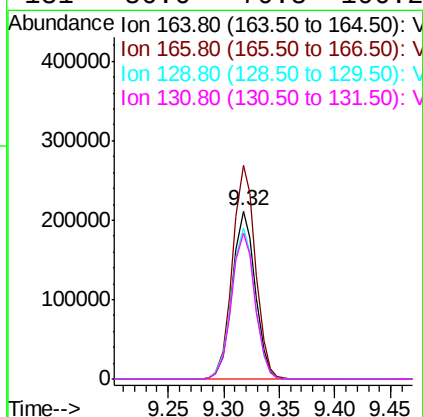
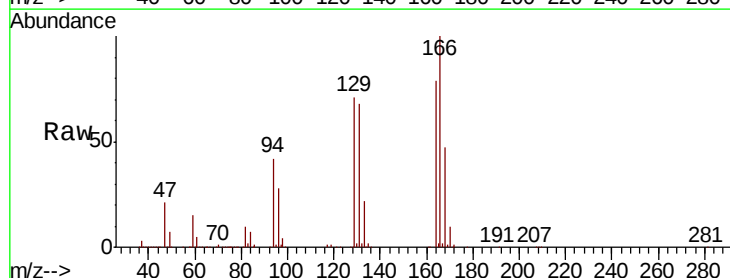
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

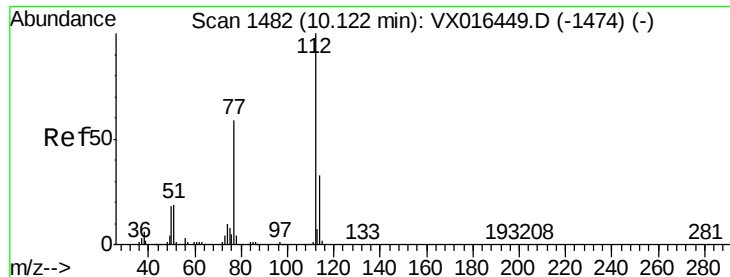
Tot Ion:117 Resp: 508814
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 52.875 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion:164 Resp: 300996
Ion Ratio Lower Upper
164 100
166 126.9 100.9 151.3
129 89.6 73.2 109.8
131 86.6 70.8 106.2





#65

Chlorobenzene

Concen: 55.138 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

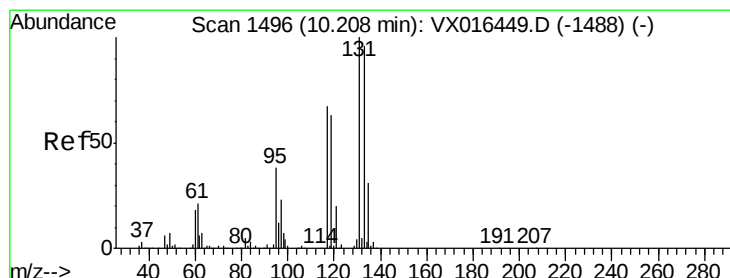
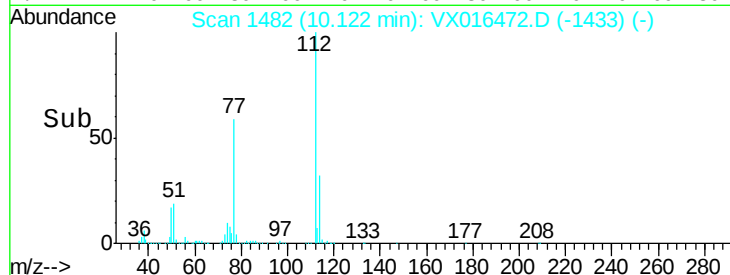
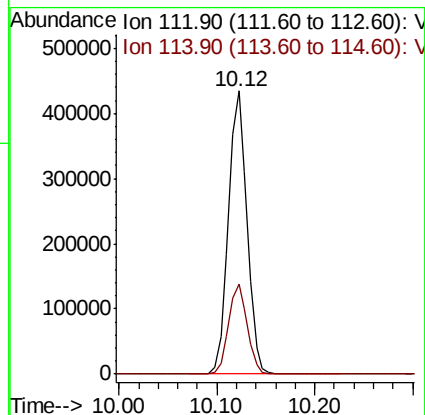
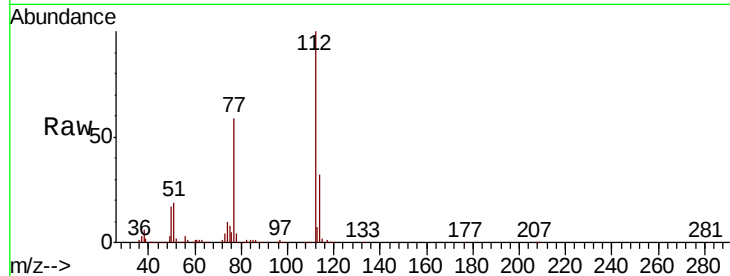
VSTDCCC050

Tot Ion:112 Resp: 571960

Ion Ratio Lower Upper

112 100

114 31.8 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 55.302 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

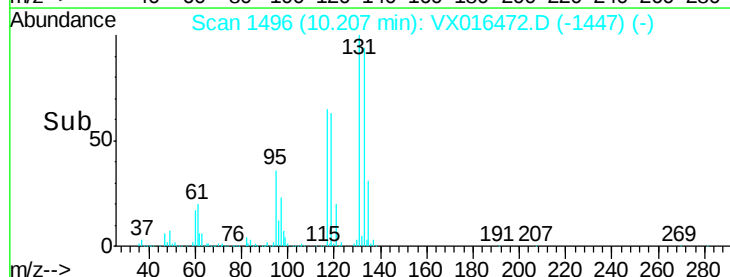
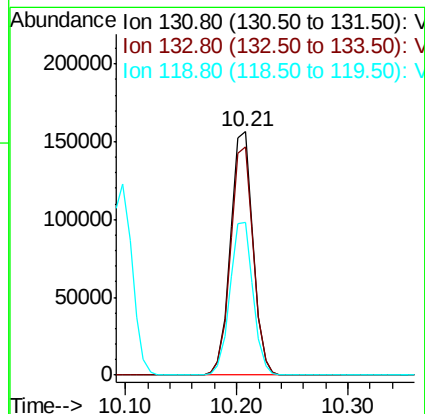
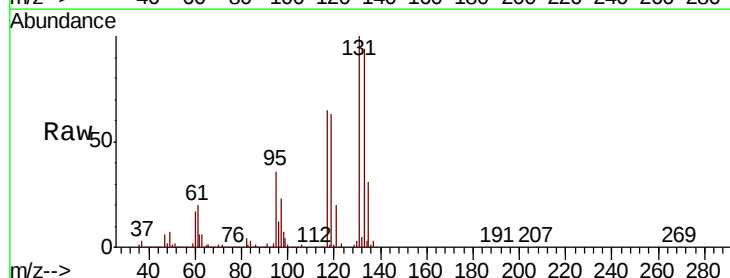
Tgt Ion:131 Resp: 218981

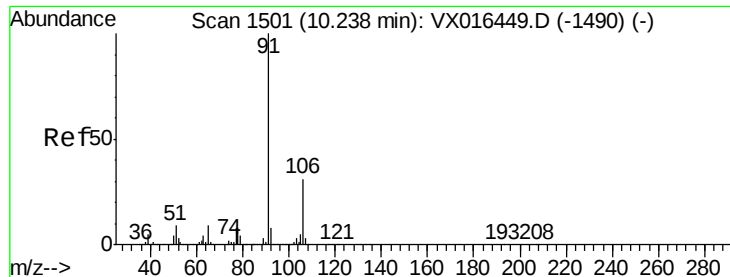
Ion Ratio Lower Upper

131 100

133 94.9 48.4 145.3

119 64.1 32.0 96.2

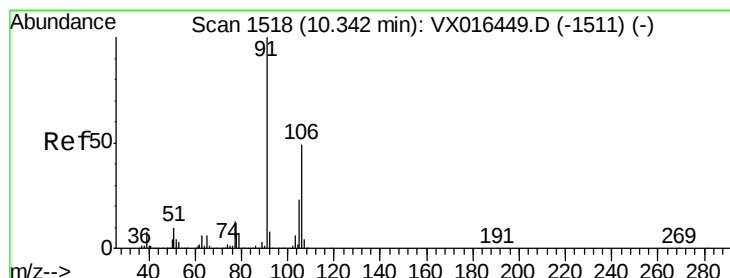
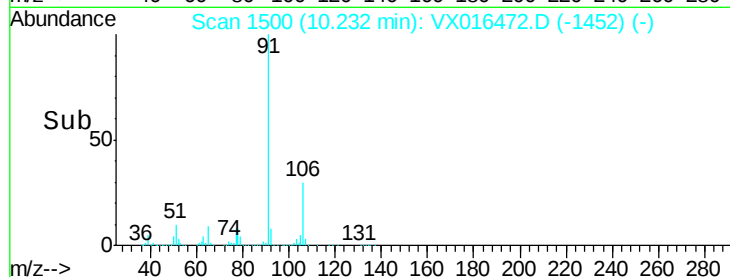
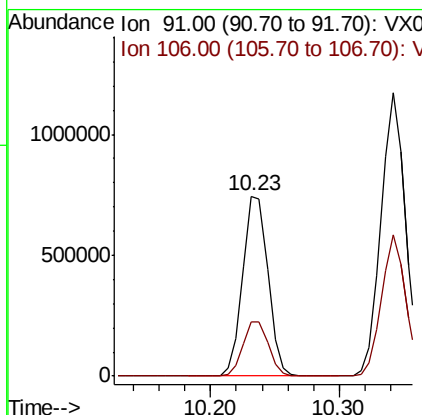
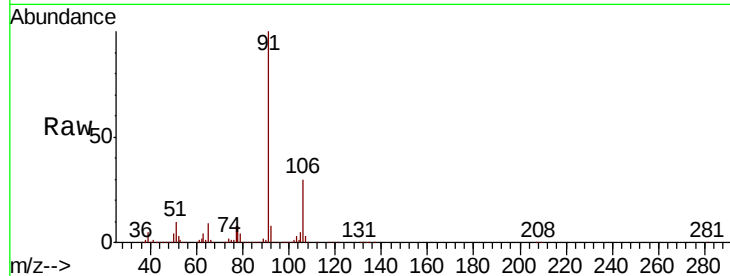




#67
Ethyl Benzene
Concen: 54.578 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

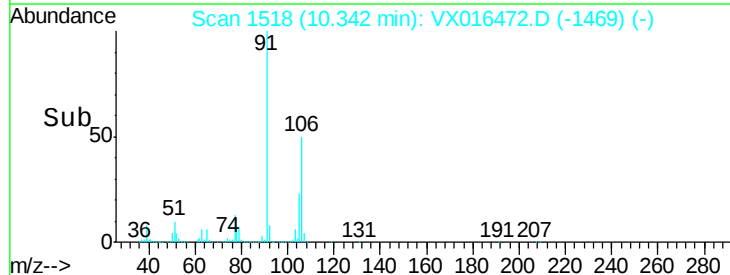
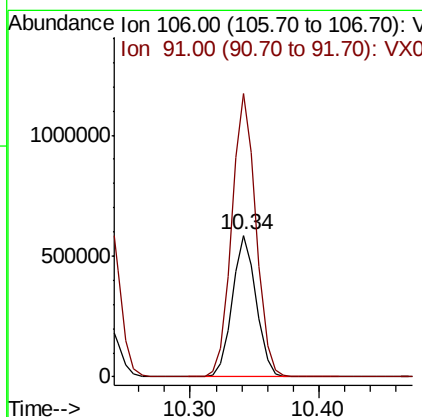
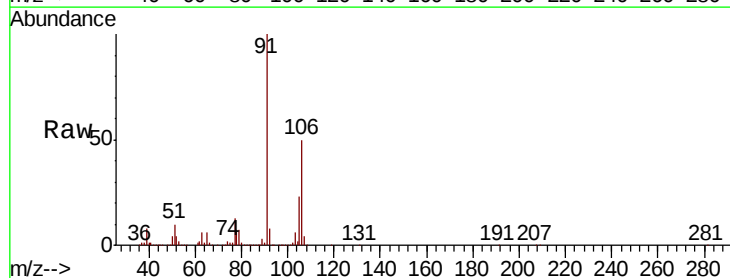
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

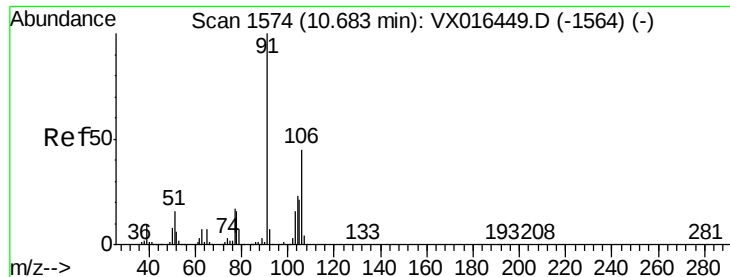
Tot Ion: 91 Resp: 1007999
Ion Ratio Lower Upper
91 100
106 29.9 25.0 37.4



#68
m/p-Xylenes
Concen: 110.592 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion: 106 Resp: 757303
Ion Ratio Lower Upper
106 100
91 202.7 163.8 245.8

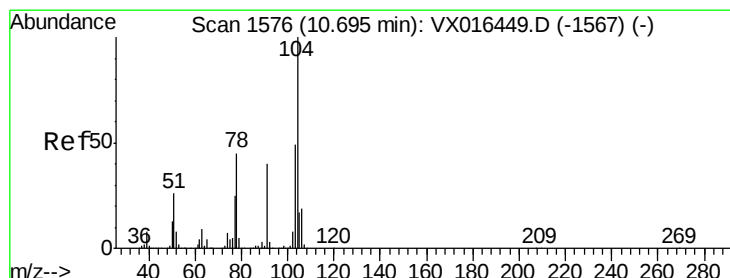
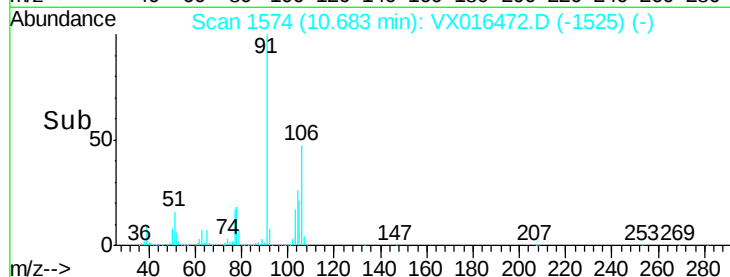
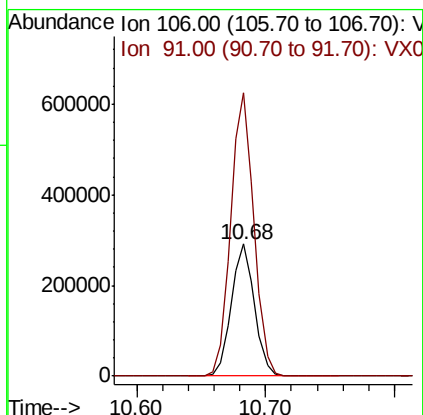
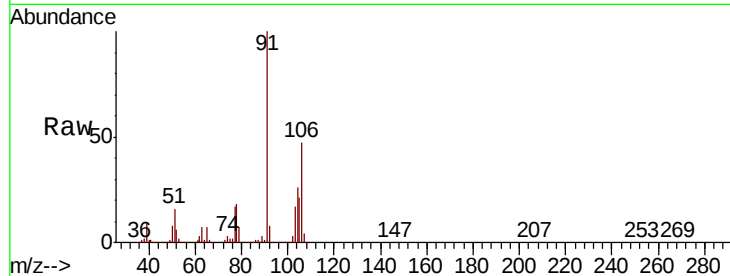




#69
o-Xylene
Concen: 54.948 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

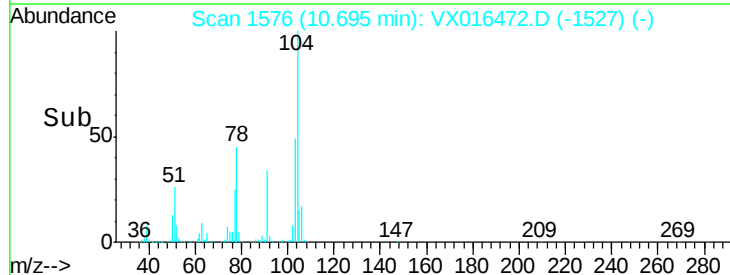
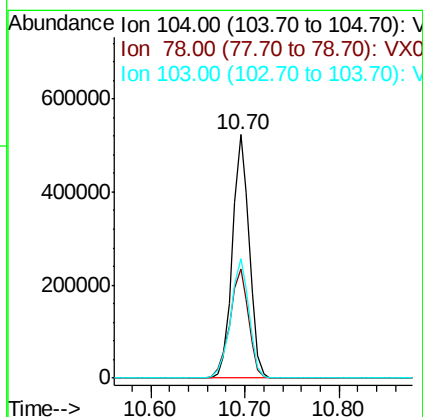
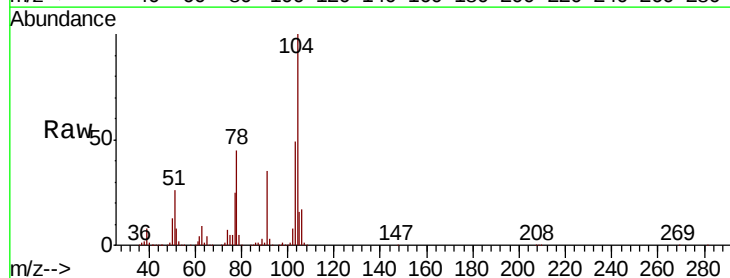
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

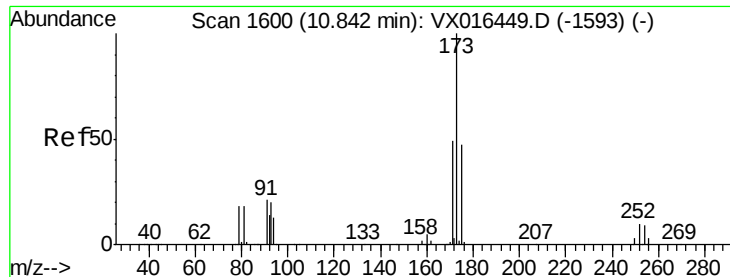
Tot Ion:106 Resp: 364401
Ion Ratio Lower Upper
106 100
91 215.7 109.6 328.8



#70
Styrene
Concen: 56.629 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion:104 Resp: 645509
Ion Ratio Lower Upper
104 100
78 49.9 40.2 60.2
103 53.7 43.1 64.7





#71

Bromoform

Concen: 56.103 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

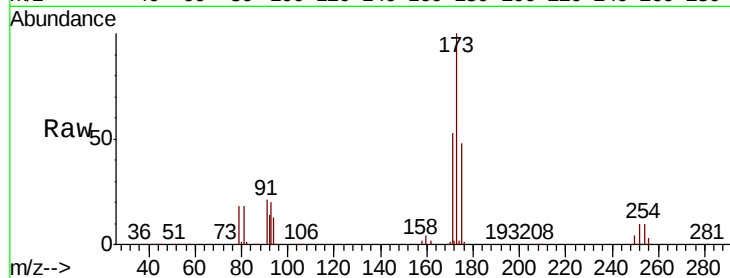
Tot Ion:173 Resp: 187752

Ion Ratio Lower Upper

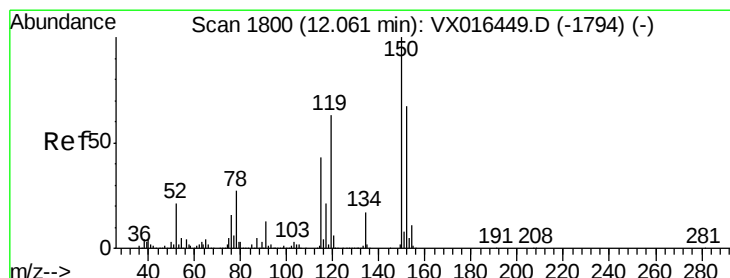
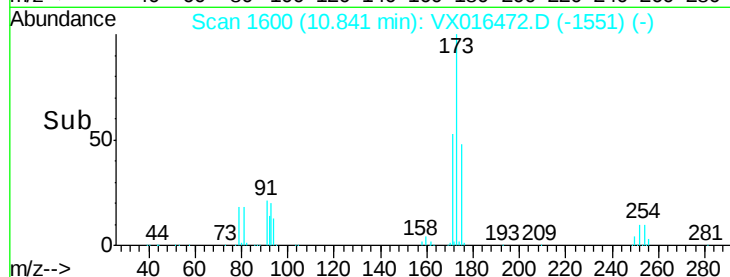
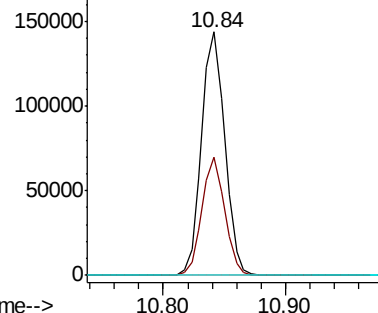
173 100

175 47.6 23.9 71.7

254 0.1 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: VX016472.D

Acq: 28 May 2020 09:55

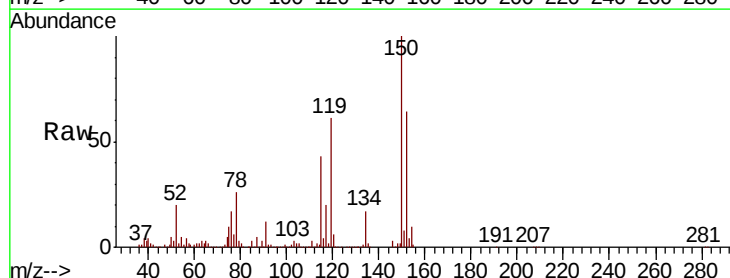
Tgt Ion:152 Resp: 241775

Ion Ratio Lower Upper

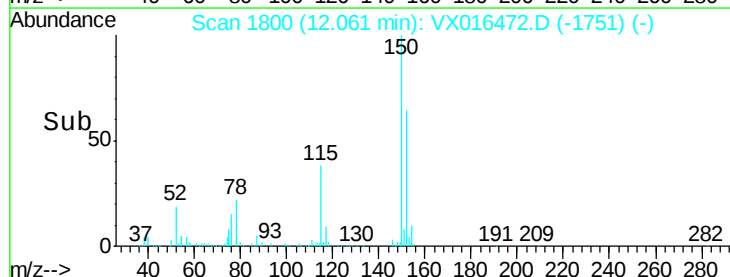
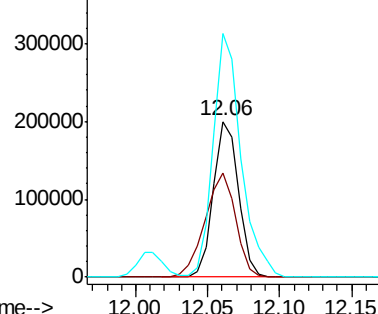
152 100

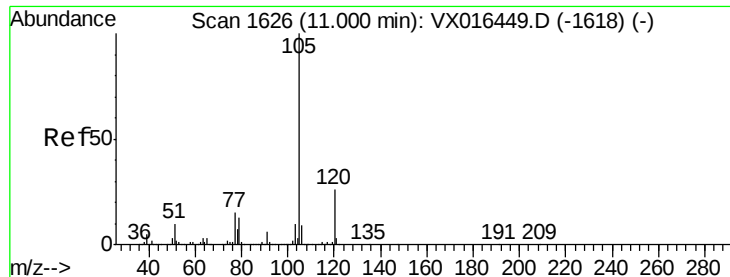
115 82.0 39.9 119.6

150 174.1 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: 55.446 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

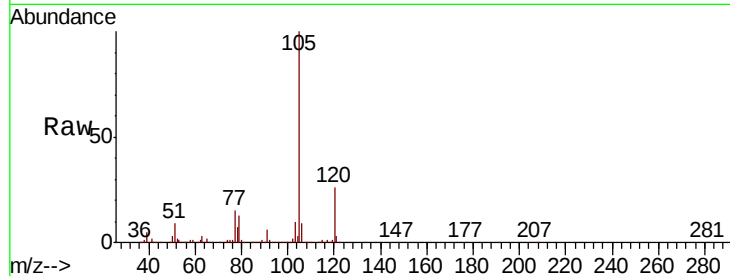
VSTDCCC050

Tot Ion:105 Resp: 928835

Ion Ratio Lower Upper

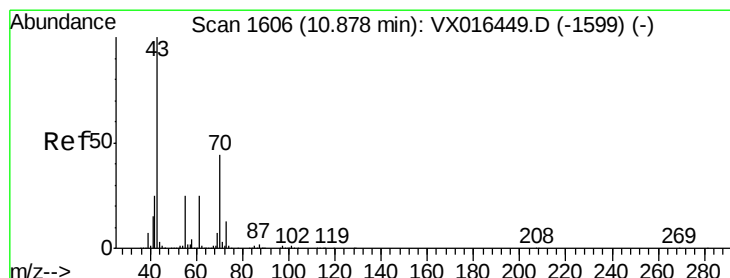
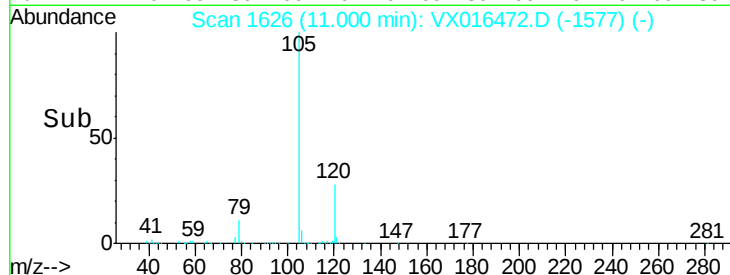
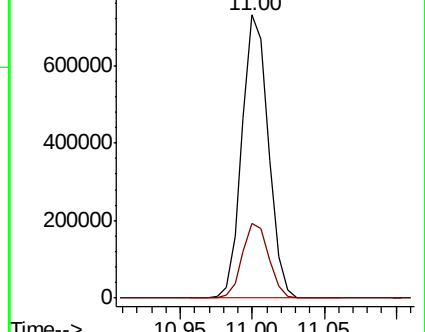
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.352 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Tgt Ion: 43 Resp: 465041

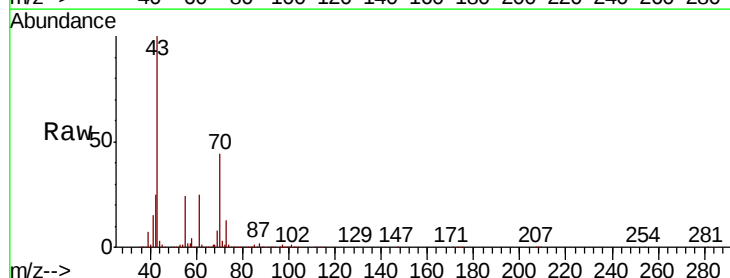
Ion Ratio Lower Upper

43 100

70 45.2 36.1 54.1

55 24.8 20.2 30.4

61 25.7 20.3 30.5

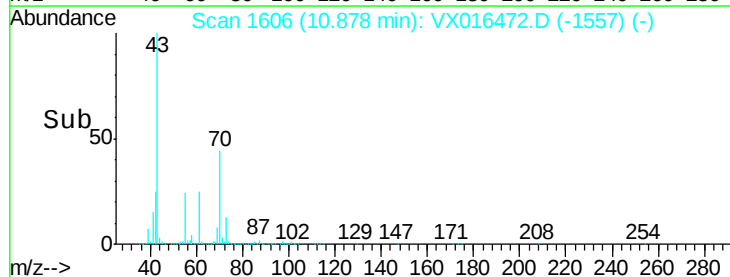
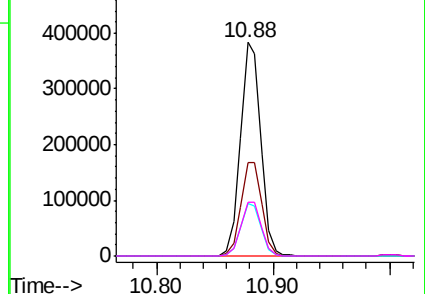


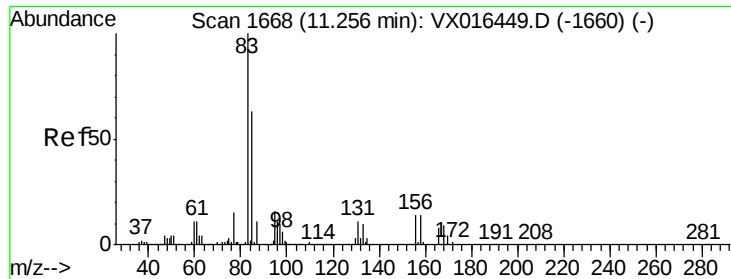
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 58.099 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

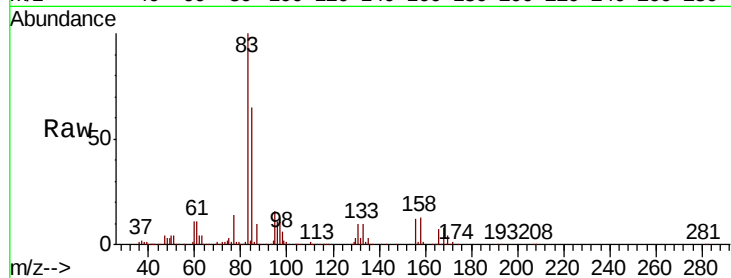
Tot Ion: 83 Resp: 243926

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

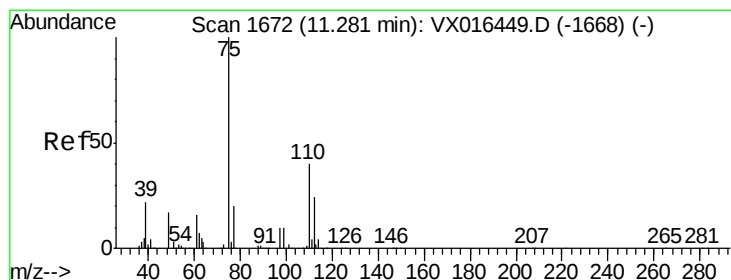
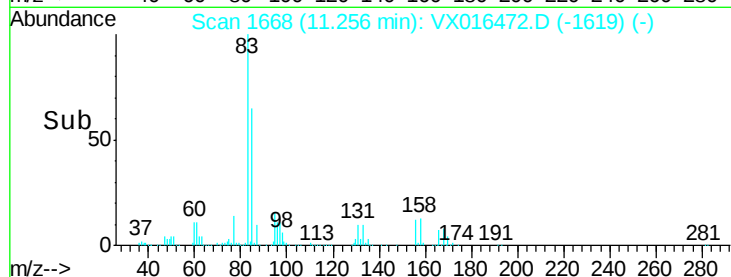
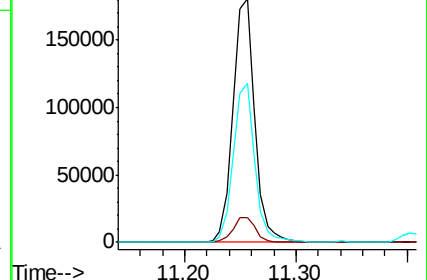
85 64.5 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 76.875 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016472.D

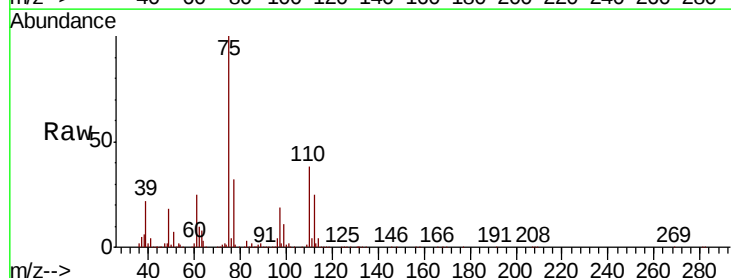
Acq: 28 May 2020 09:55

Tgt Ion: 75 Resp: 408539

Ion Ratio Lower Upper

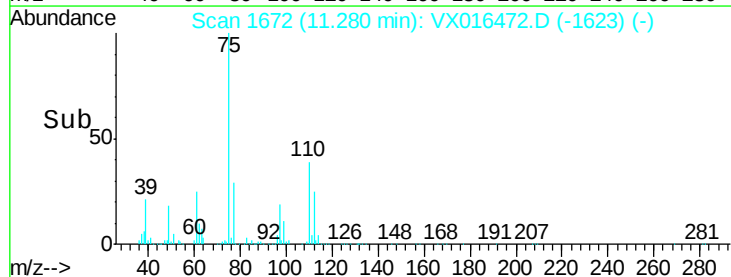
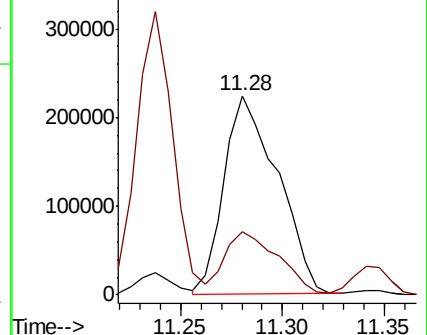
75 100

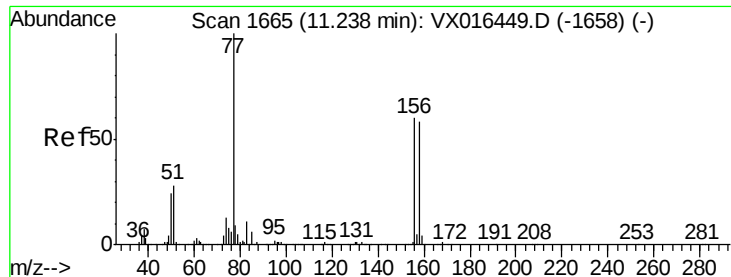
77 32.0 21.3 63.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 56.400 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

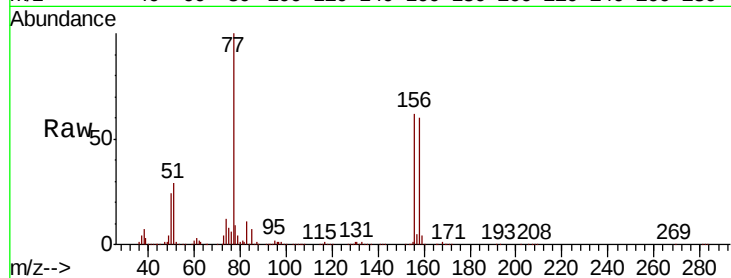
Tot Ion:156 Resp: 247806

Ion Ratio Lower Upper

156 100

77 159.5 79.6 238.8

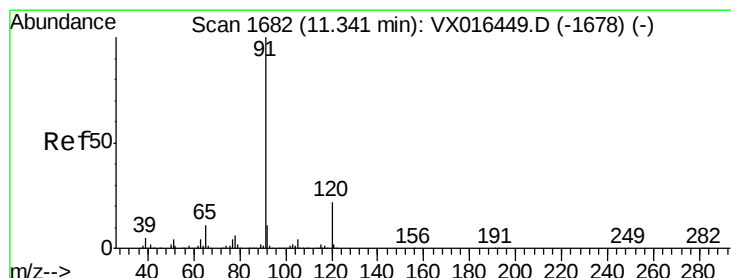
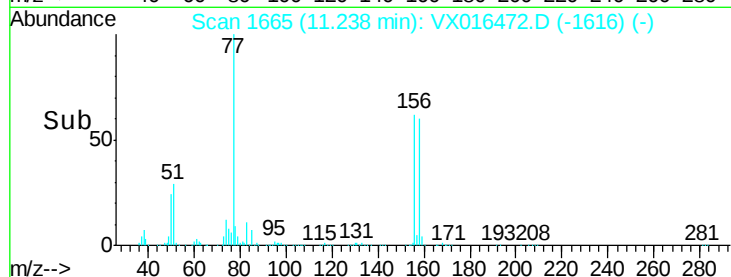
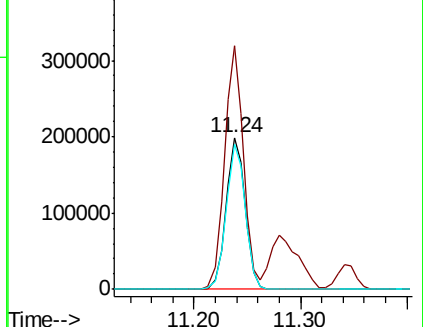
158 96.3 48.1 144.4



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: 56.717 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016472.D

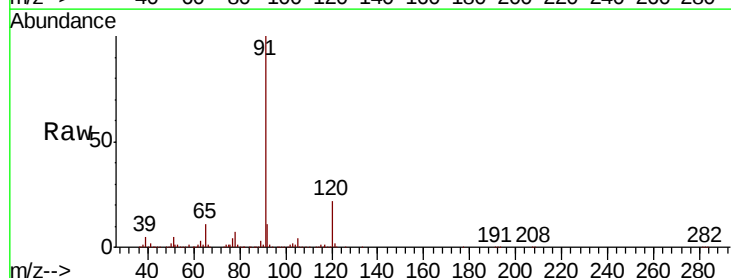
Acq: 28 May 2020 09:55

Tgt Ion: 91 Resp: 1061501

Ion Ratio Lower Upper

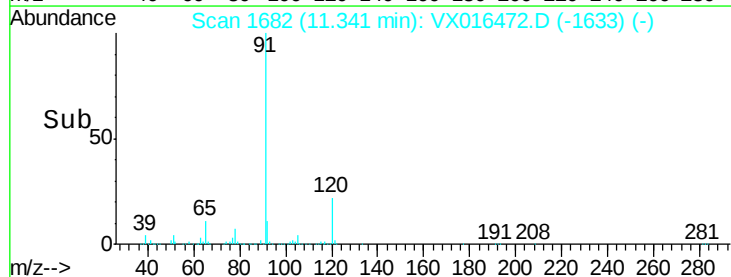
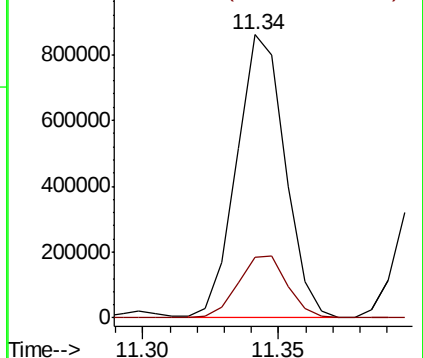
91 100

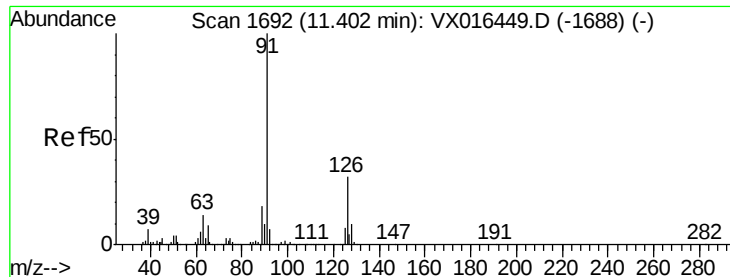
120 22.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

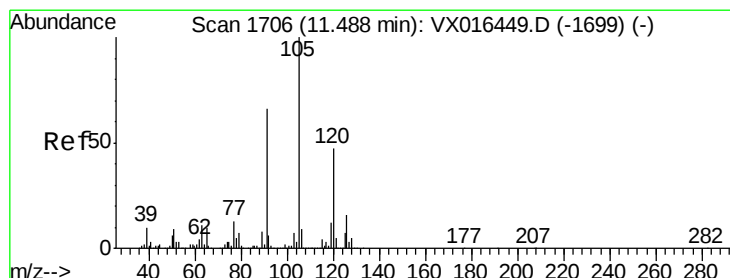
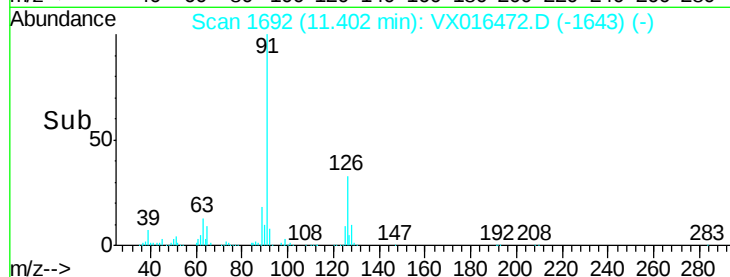
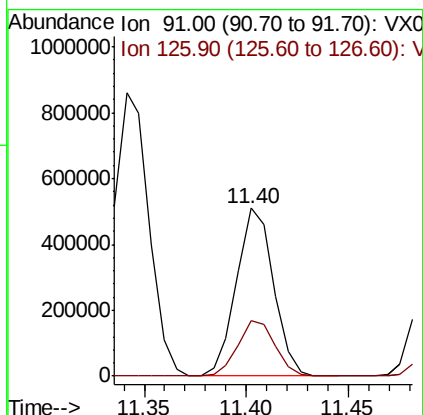
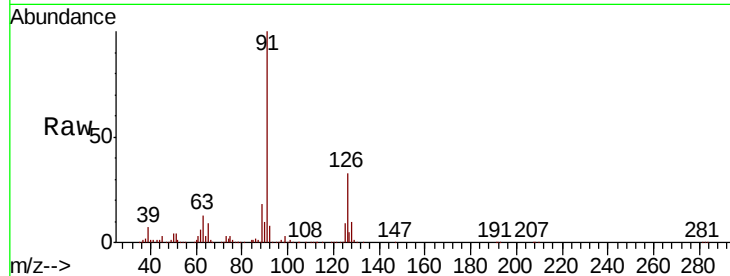




#79
 2-Chlorotoluene
 Concen: 56.510 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

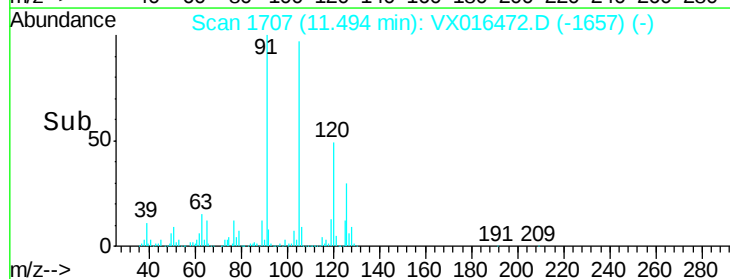
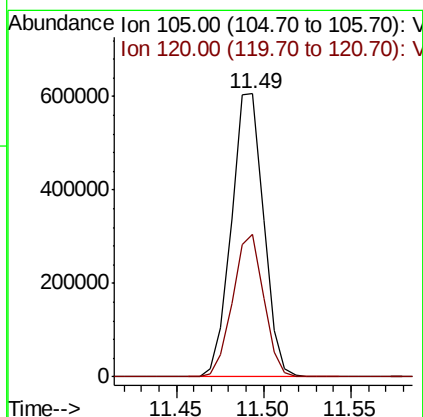
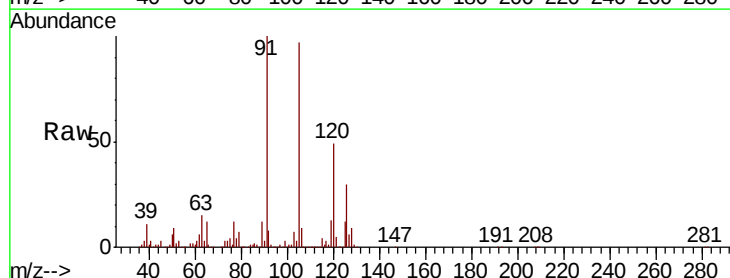
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

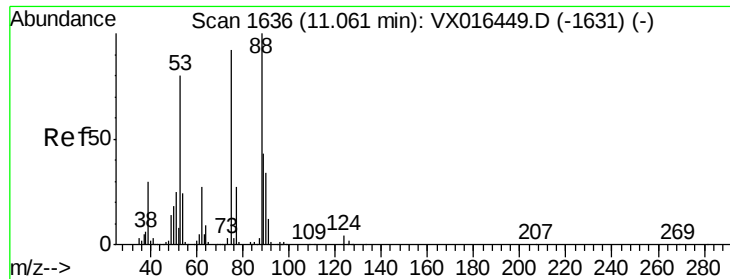
Tot Ion: 91 Resp: 645570
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 55.616 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion: 105 Resp: 777940
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.219 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

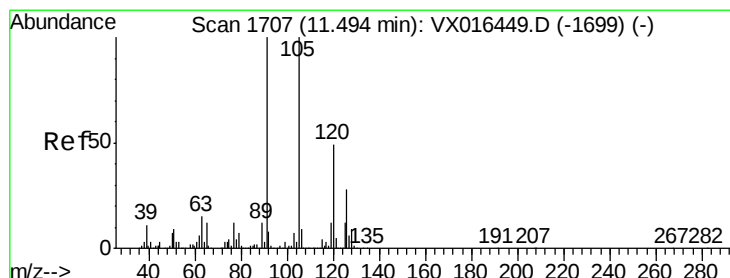
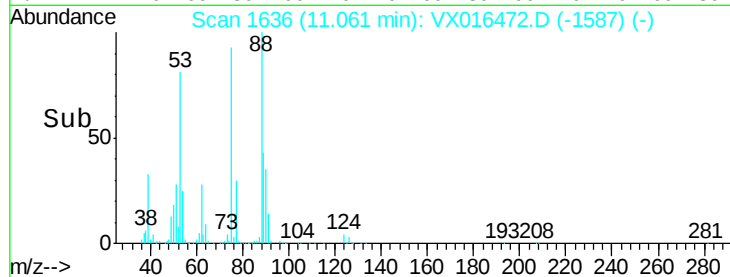
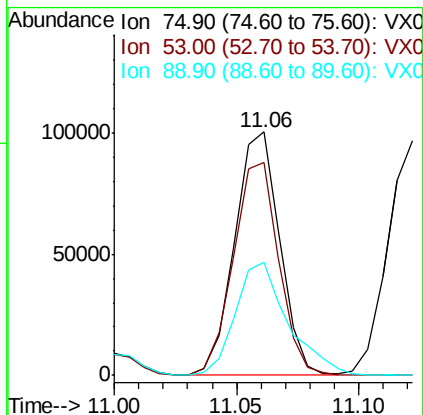
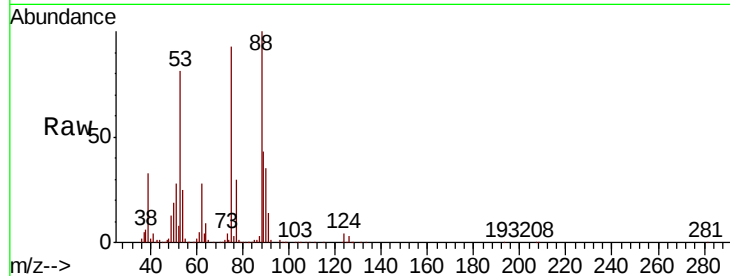
Tot Ion: 75 Resp: 127939

Ion Ratio Lower Upper

75 100

53 88.7 71.3 106.9

89 54.9 36.6 55.0



#82

4-Chlorotoluene

Concen: 56.049 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016472.D

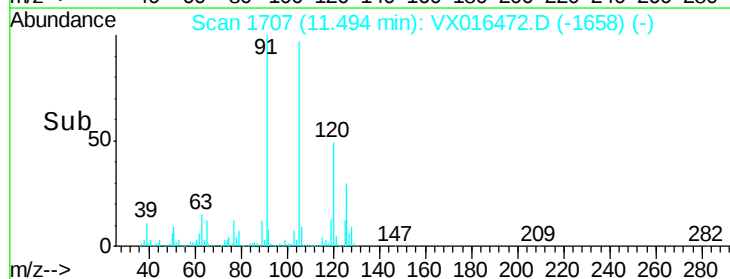
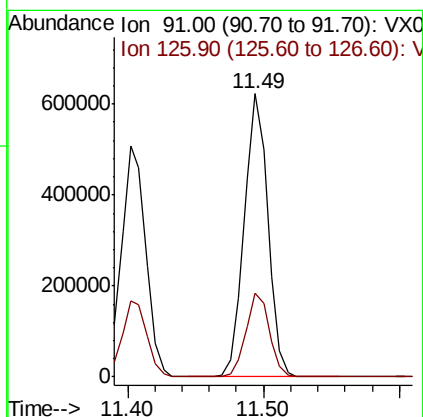
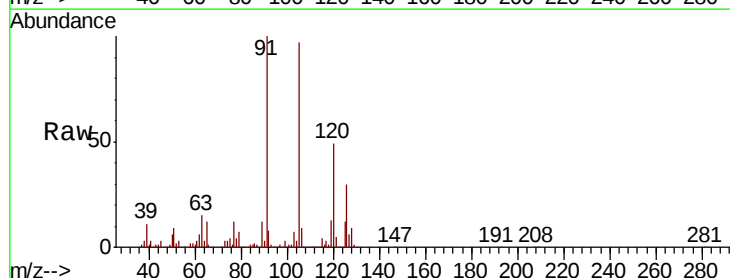
Acq: 28 May 2020 09:55

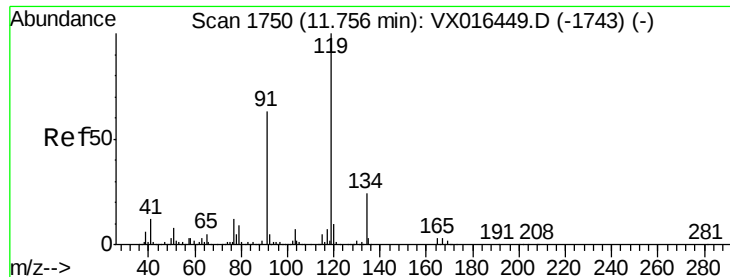
Tgt Ion: 91 Resp: 756127

Ion Ratio Lower Upper

91 100

126 29.4 14.7 44.1





#83

tert-Butylbenzene

Concen: 55.551 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

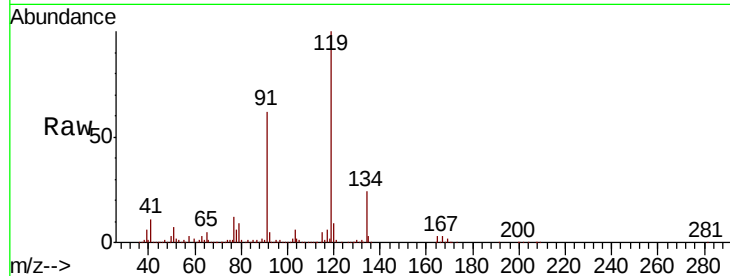
Tot Ion:119 Resp: 663947

Ion Ratio Lower Upper

119 100

91 62.2 31.3 93.8

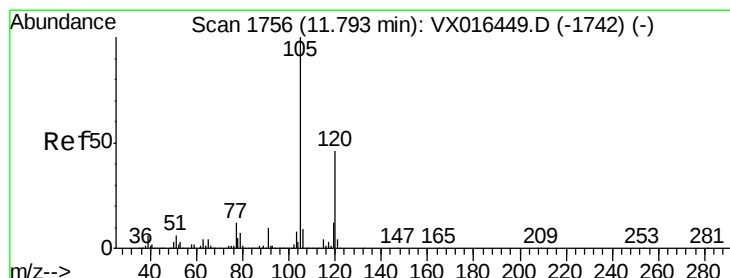
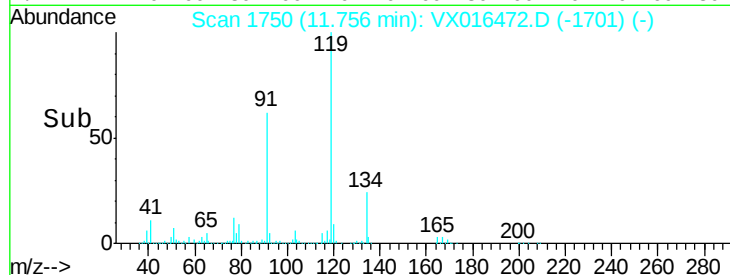
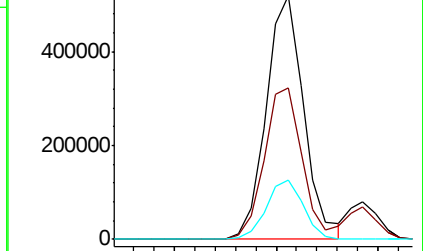
134 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.455 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016472.D

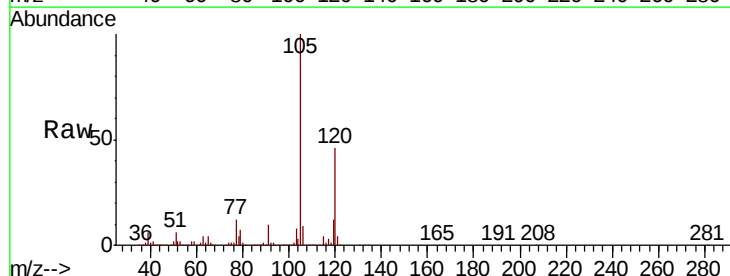
Acq: 28 May 2020 09:55

Tgt Ion:105 Resp: 784476

Ion Ratio Lower Upper

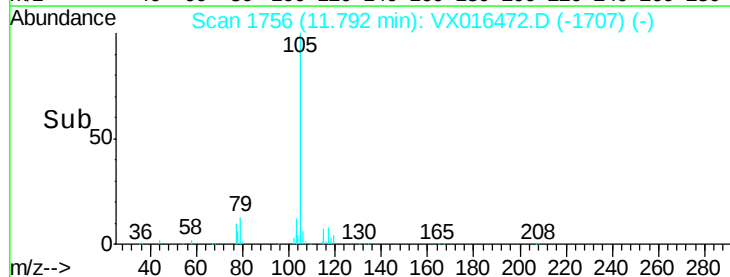
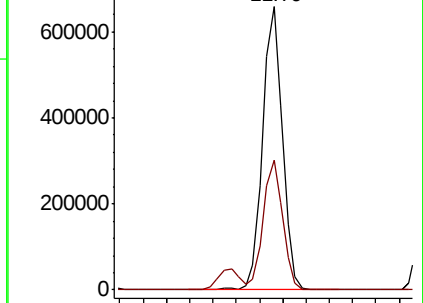
105 100

120 45.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

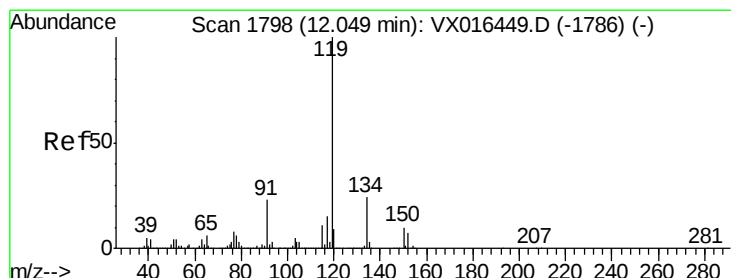
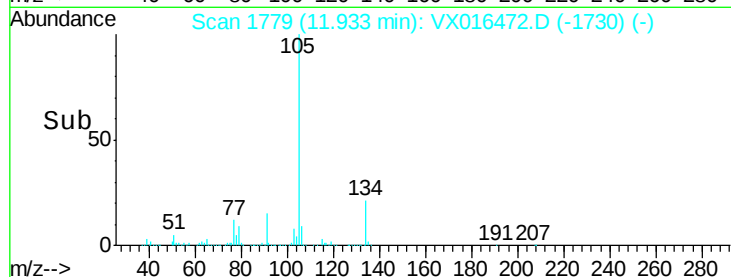
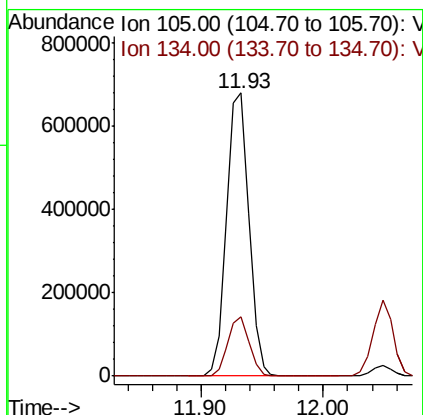
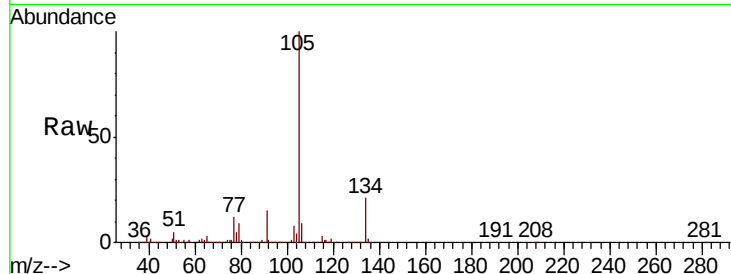




#85
 sec-Butylbenzene
 Concen: 57.038 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

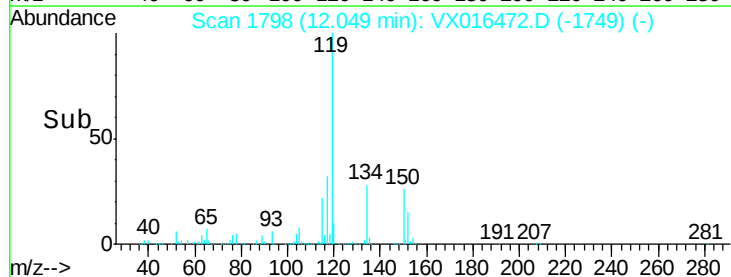
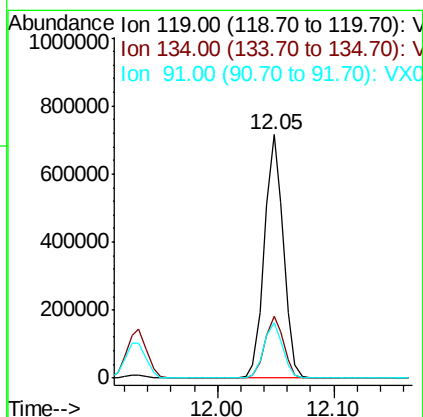
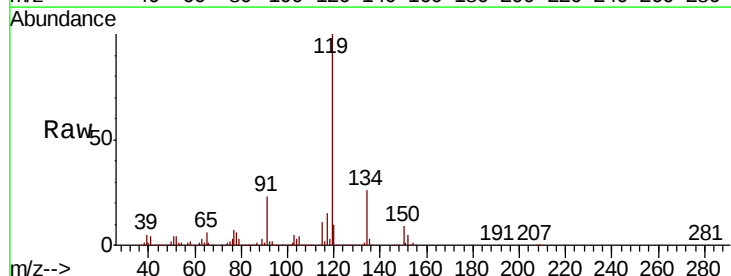
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

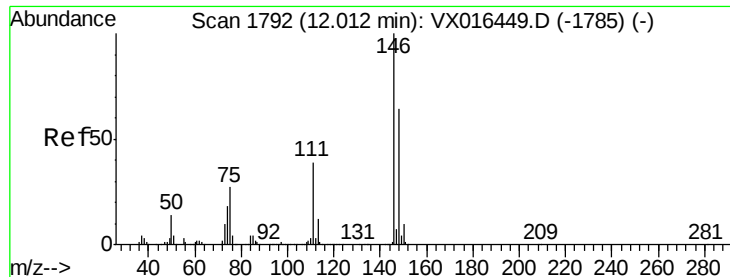
Tot Ion:105 Resp: 855182
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 57.746 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion:119 Resp: 811034
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.0
 91 23.1 11.7 35.0

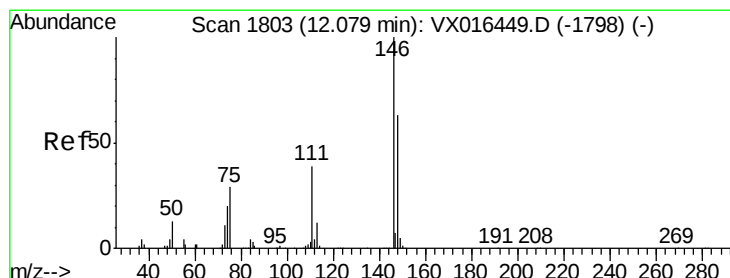
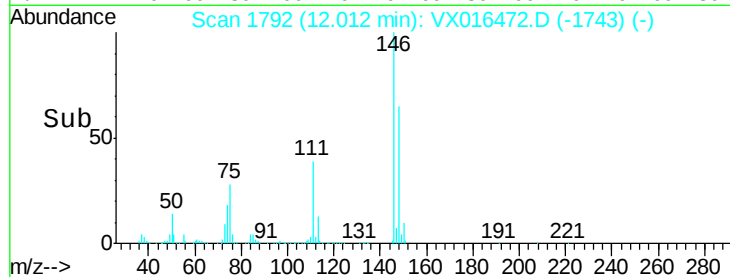
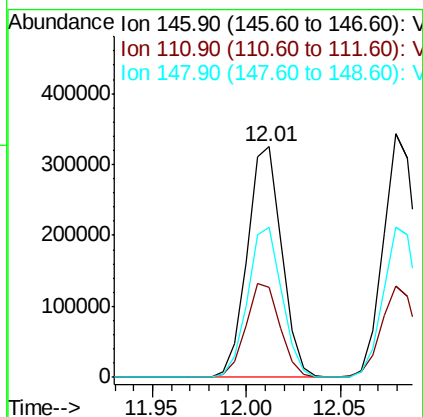
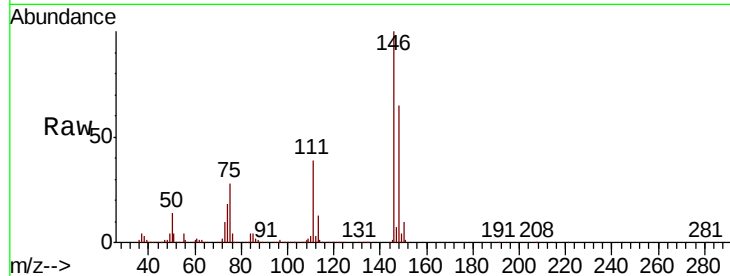




#87
 1,3-Dichlorobenzene
 Concen: 54.178 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

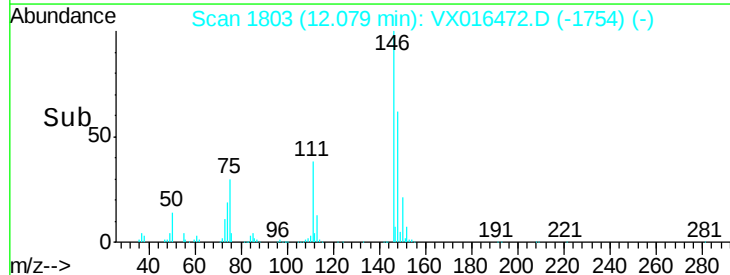
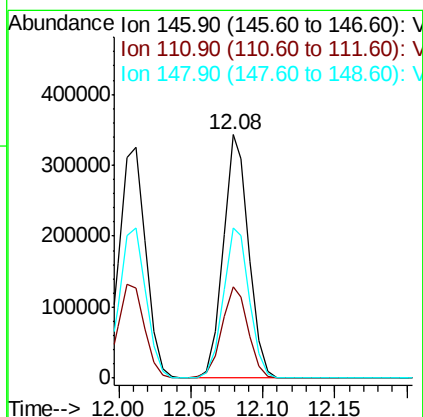
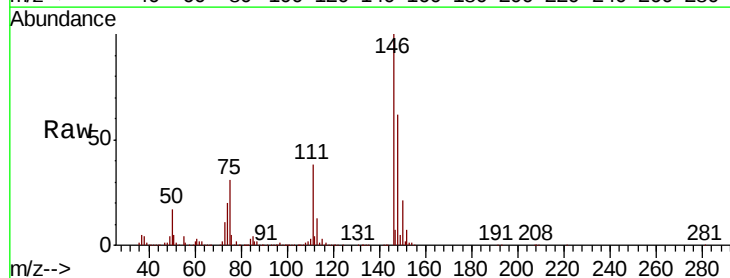
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

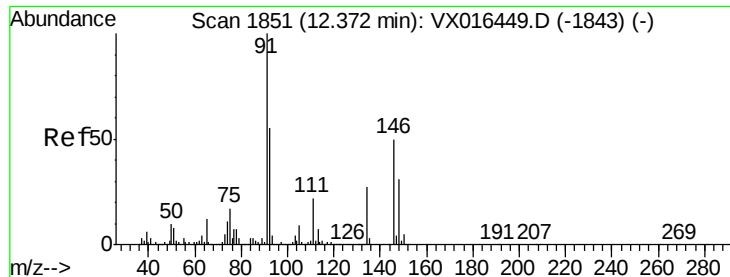
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	64.7	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 54.576 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016472.D
 Acq: 28 May 2020 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	63.3	31.4	94.3





#89

n-Butylbenzene

Concen: 59.870 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

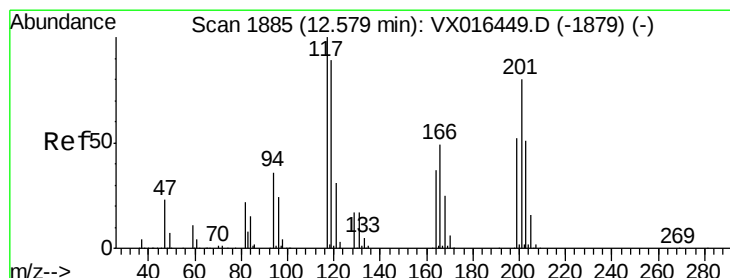
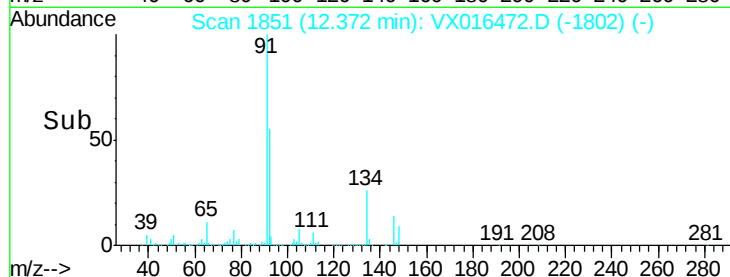
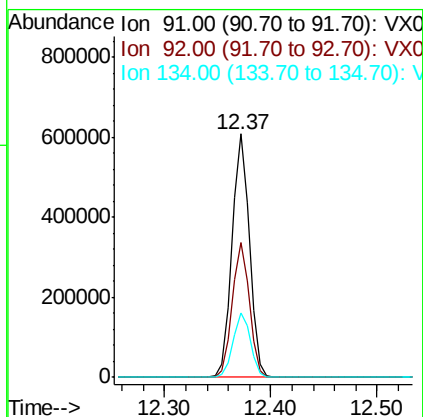
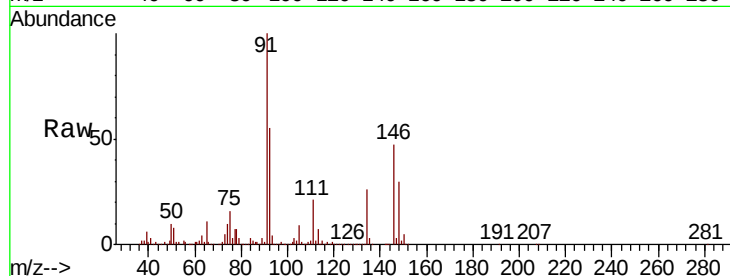
Tot Ion: 91 Resp: 700382

Ion Ratio Lower Upper

91 100

92 54.9 27.2 81.5

134 26.4 13.1 39.3



#90

Hexachloroethane

Concen: 56.000 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016472.D

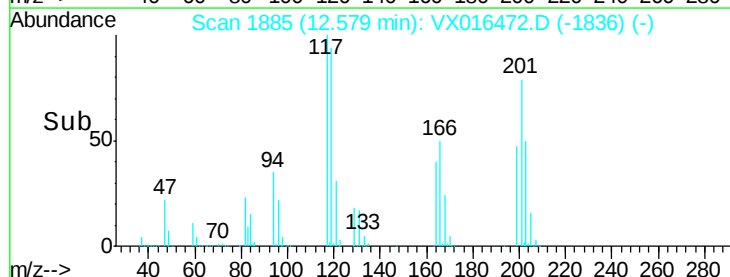
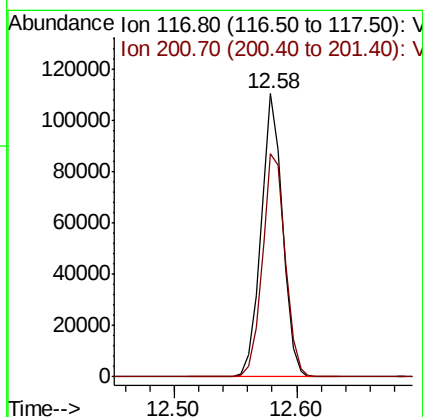
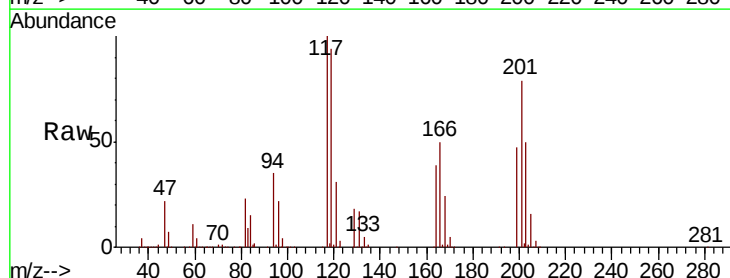
Acq: 28 May 2020 09:55

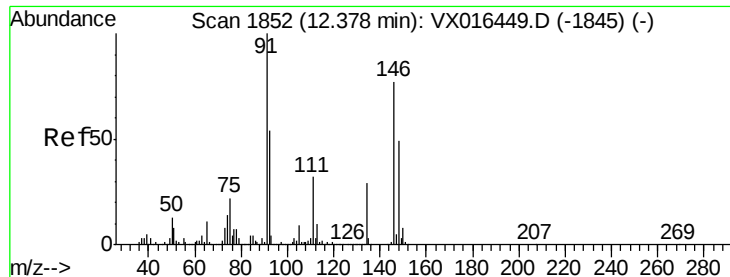
Tgt Ion: 117 Resp: 135853

Ion Ratio Lower Upper

117 100

201 82.9 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 55.004 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

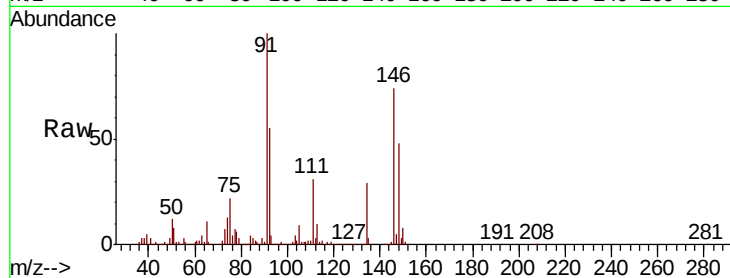
Tot Ion:146 Resp: 405655

Ion Ratio Lower Upper

146 100

111 42.0 21.4 64.3

148 64.2 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

12.38

400000

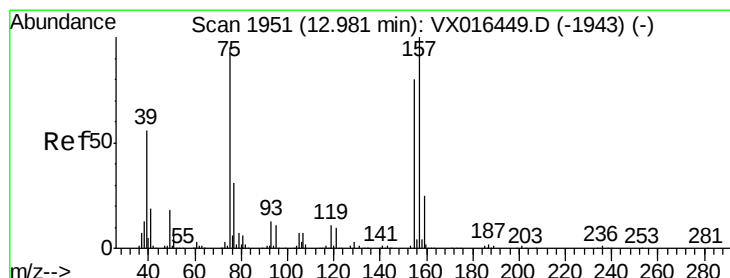
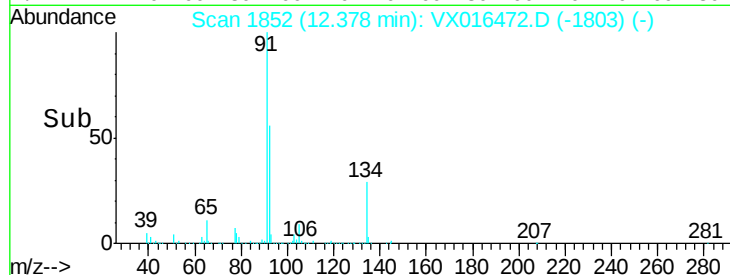
300000

200000

100000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.436 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

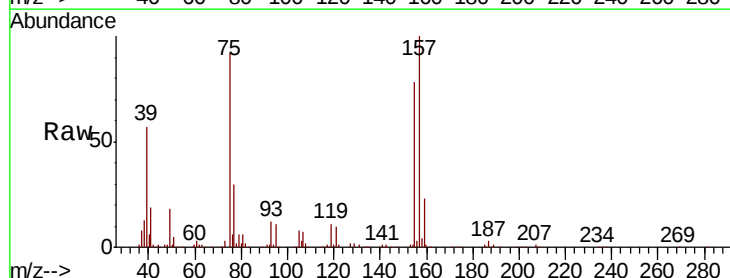
Tgt Ion: 75 Resp: 72668

Ion Ratio Lower Upper

75 100

155 89.6 44.1 132.4

157 117.2 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

12.98

80000

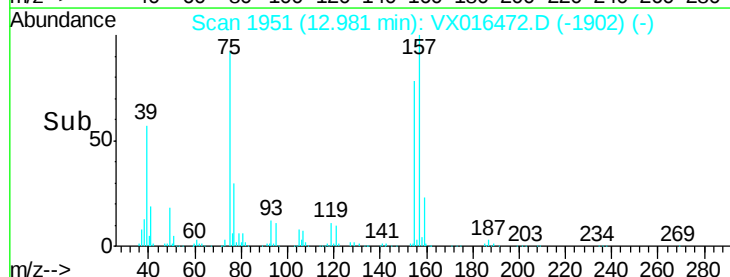
60000

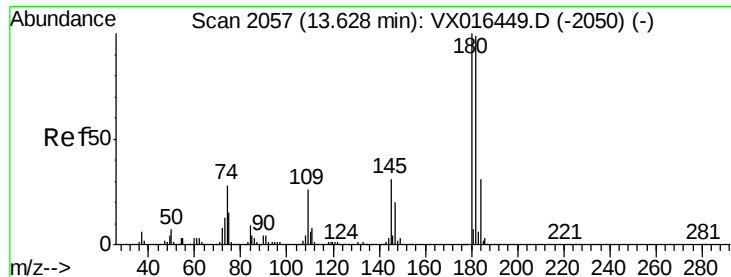
40000

20000

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 56.130 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

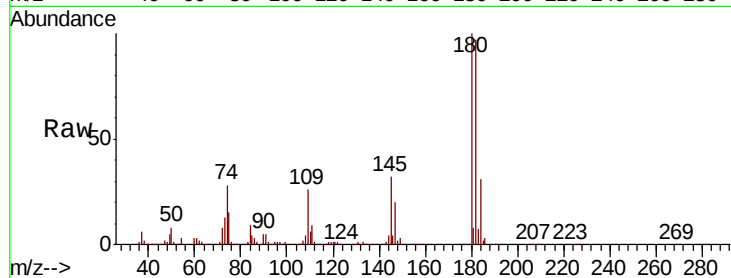
Tot Ion:180 Resp: 274923

Ion Ratio Lower Upper

180 100

182 97.2 48.3 144.8

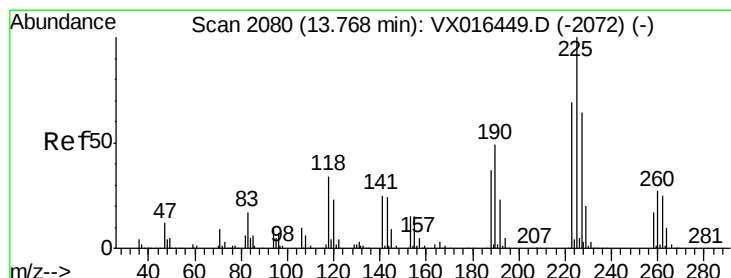
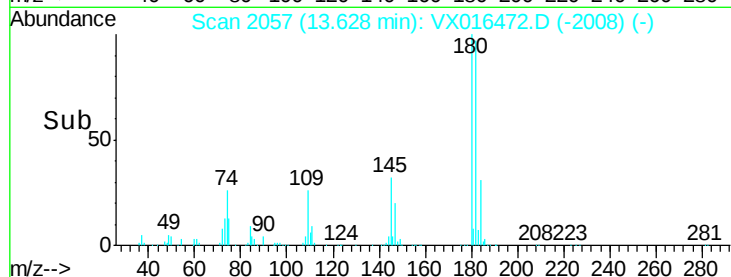
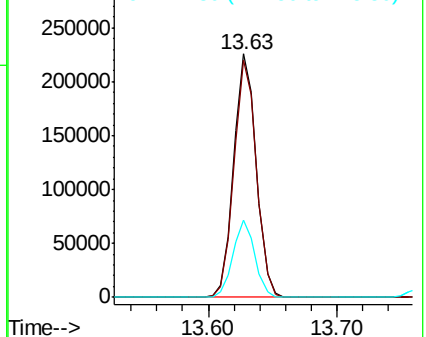
145 31.0 15.4 46.2



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: 60.671 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016472.D

Acq: 28 May 2020 09:55

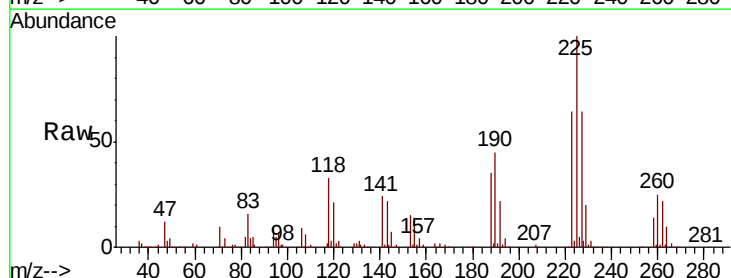
Tgt Ion:225 Resp: 116674

Ion Ratio Lower Upper

225 100

223 63.0 32.3 96.8

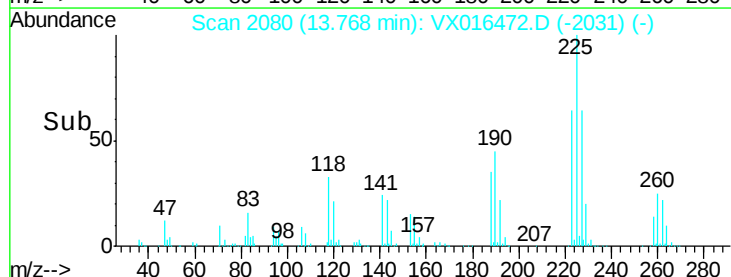
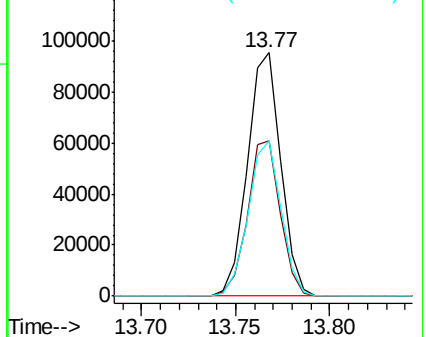
227 63.0 31.6 94.7

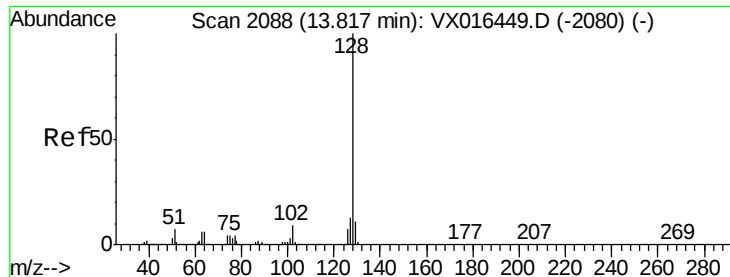


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

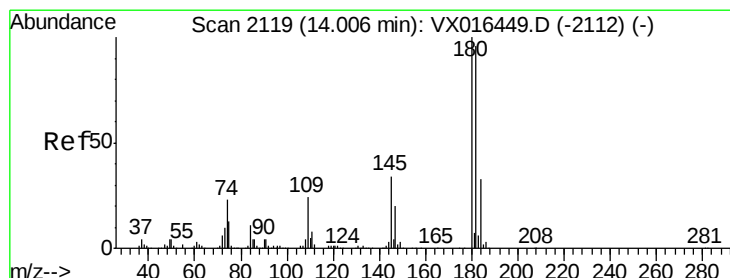
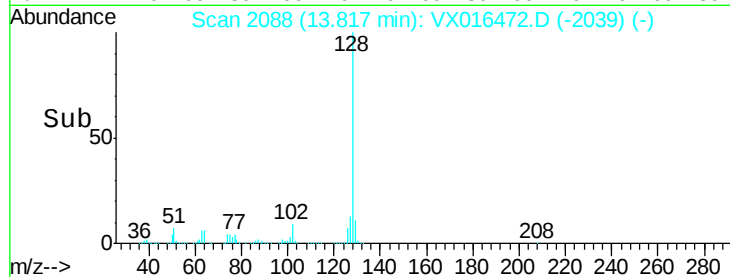
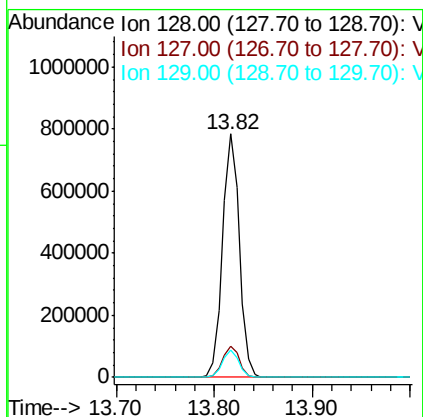
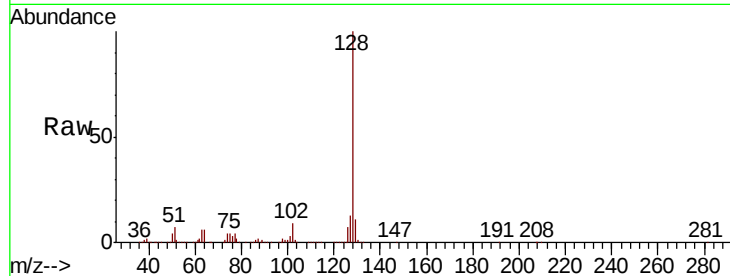




#95
Naphthalene
Concen: 55.387 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 929997
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.291 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX016472.D
Acq: 28 May 2020 09:55

Tgt Ion:180 Resp: 270116
Ion Ratio Lower Upper
180 100
182 95.1 48.6 145.8
145 33.0 16.6 49.8

