

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
 Data File : VX016028.D
 Acq On : 04 May 2020 10:42
 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 04 12:38:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	345175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	541207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251709	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	204040	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	5.46	113	156776	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	8.70	98	615999	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.12	95	235281	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	159522	51.645	ug/l	98
3) Chloromethane	1.32	50	193783	51.766	ug/l	99
4) Vinyl Chloride	1.39	62	221175	52.026	ug/l	99
5) Bromomethane	1.62	94	99844	34.984	ug/l	99
6) Chloroethane	1.70	64	133366	47.162	ug/l	98
7) Trichlorofluoromethane	1.91	101	277304	43.155	ug/l	97
8) Diethyl Ether	2.17	74	118463	44.160	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	162614	50.769	ug/l	98
10) Methyl Iodide	2.49	142	229810	51.433	ug/l	96
11) Tert butyl alcohol	3.02	59	275064	251.085	ug/l	100
12) 1,1-Dichloroethene	2.36	96	167558	50.736	ug/l	99
13) Acrolein	2.27	56	96650	351.058	ug/l	99
14) Allyl chloride	2.70	41	325278	54.622	ug/l	93
15) Acrylonitrile	3.12	53	585535	269.562	ug/l	100
16) Acetone	2.42	43	487394	252.554	ug/l	100
17) Carbon Disulfide	2.55	76	490536	50.918	ug/l	100
18) Methyl Acetate	2.75	43	295003	53.868	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	623476	52.197	ug/l	99
20) Methylene Chloride	2.83	84	195458	51.162	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	184910	49.681	ug/l	98
22) Diisopropyl ether	3.82	45	627968	53.637	ug/l	92
23) Vinyl Acetate	3.78	43	2678814	263.399	ug/l	100
24) 1,1-Dichloroethane	3.67	63	344055	52.754	ug/l	99
25) 2-Butanone	4.64	43	804673	257.306	ug/l	99
26) 2,2-Dichloropropane	4.55	77	315191	52.856	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	213802	50.620	ug/l	99
28) Bromochloromethane	4.98	49	150620	47.725	ug/l	98
29) Tetrahydrofuran	5.09	42	531060	259.117	ug/l	99
30) Chloroform	5.17	83	339722	50.093	ug/l	100
31) Cyclohexane	5.55	56	308938	53.209	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	308464	49.400	ug/l	99
36) 1,1-Dichloropropene	5.76	75	258530	50.155	ug/l	99
37) Ethyl Acetate	4.79	43	310519	52.535	ug/l	99
38) Carbon Tetrachloride	5.75	117	273643	50.260	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	318759	53.461	ug/l	97
40) Benzene	6.11	78	775397	52.720	ug/l	100
41) Methacrylonitrile	5.00	41	170809	53.988	ug/l	97
42) 1,2-Dichloroethane	6.16	62	276688	48.552	ug/l	99
43) Isopropyl Acetate	6.41	43	504395	51.533	ug/l	99
44) Trichloroethene	7.19	130	289377	54.586	ug/l	97
45) 1,2-Dichloropropane	7.49	63	201252	52.946	ug/l	99
46) Dibromomethane	7.63	93	134125	49.659	ug/l	98
47) Bromodichloromethane	7.87	83	279208	52.020	ug/l	98
48) Methyl methacrylate	7.74	41	238622	52.803	ug/l	95
49) 1,4-Dioxane	7.71	88	110323	1037.739	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1565857	263.747	ug/l	98
52) Toluene	8.76	92	495410	53.065	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	332774	52.253	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	346177	52.852	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	195233	52.328	ug/l	99
56) Ethyl methacrylate	9.16	69	329966	54.391	ug/l	94
57) 1,3-Dichloropropane	9.35	76	342844	53.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	820642	261.769	ug/l	99
59) 2-Hexanone	9.47	43	1217722	262.453	ug/l	97
60) Dibromochloromethane	9.57	129	222506	53.284	ug/l	99
61) 1,2-Dibromoethane	9.65	107	211835	52.360	ug/l	99
64) Tetrachloroethene	9.32	164	312783	52.936	ug/l	98
65) Chlorobenzene	10.12	112	529068	52.152	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	201068	52.441	ug/l	98
67) Ethyl Benzene	10.23	91	955353	52.881	ug/l	97
68) m/p-Xylenes	10.34	106	724731	105.719	ug/l	100
69) o-Xylene	10.68	106	349421	53.686	ug/l	99
70) Styrene	10.70	104	598667	53.606	ug/l	99
71) Bromoform	10.84	173	167340	48.044	ug/l #	97
73) Isopropylbenzene	11.00	105	934617	54.582	ug/l	99
74) N-amyl acetate	10.88	43	434633	52.629	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	145136	37.513	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	393287	74.462	ug/l	82
77) Bromobenzene	11.24	156	232425	52.732	ug/l	98
78) n-propylbenzene	11.34	91	1084297	55.046	ug/l	99
79) 2-Chlorotoluene	11.40	91	633585	53.985	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	791640	54.883	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	124958	55.909	ug/l #	89
82) 4-Chlorotoluene	11.49	91	754885	53.779	ug/l	100
83) tert-Butylbenzene	11.76	119	674987	54.272	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	803922	55.378	ug/l	99
85) sec-Butylbenzene	11.93	105	922358	55.045	ug/l	99
86) p-Isopropyltoluene	12.05	119	864710	55.094	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	415159	51.651	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	420286	51.738	ug/l	99
89) n-Butylbenzene	12.37	91	772626	54.481	ug/l	99
90) Hexachloroethane	12.58	117	152085	54.842	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	403215	52.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	73272	51.830	ug/l	98

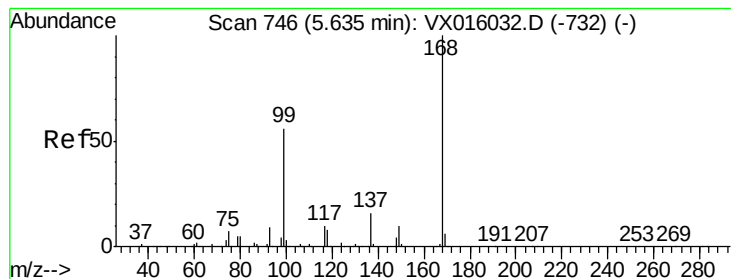
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	295343	51.196	ug/l	95
94) Hexachlorobutadiene	13.77	225	143181	55.551	ug/l	96
95) Naphthalene	13.82	128	987223	54.258	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	296153	53.314	ug/l	97

(#) = 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. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

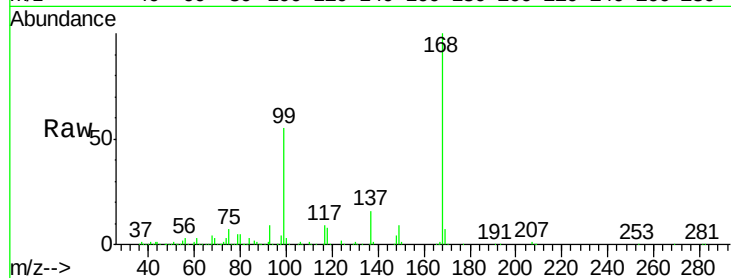
VSTDCCC050

Tot Ion:168 Resp: 345175

Ion Ratio Lower Upper

168 100

99 55.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

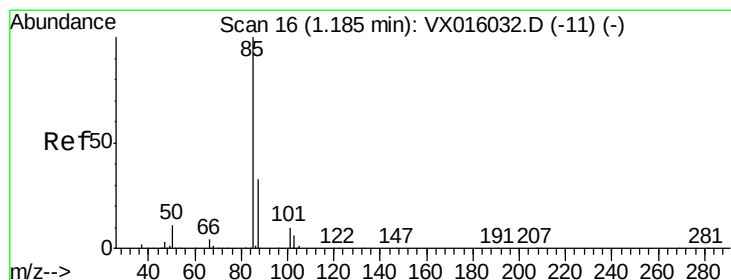
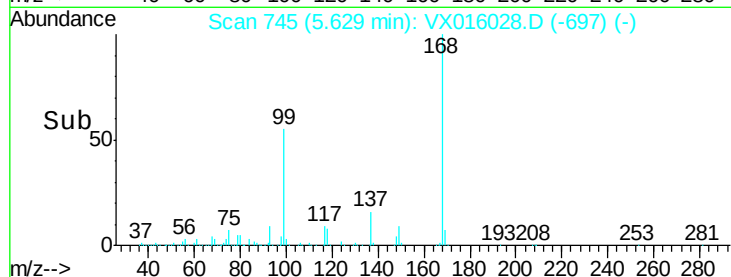
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.645 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016028.D

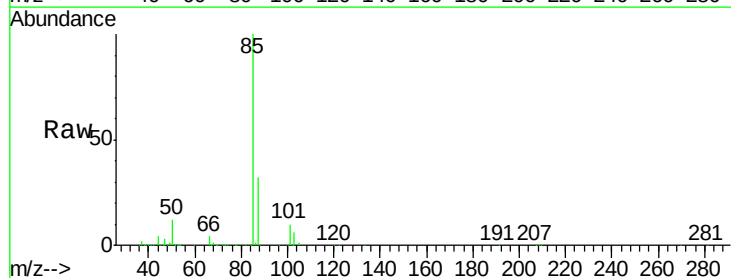
Acq: 04 May 2020 10:42

Tgt Ion: 85 Resp: 159522

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200000

150000

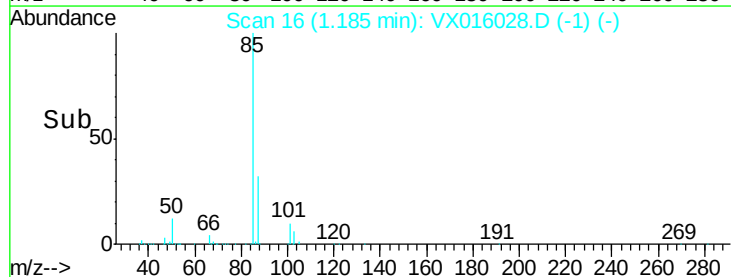
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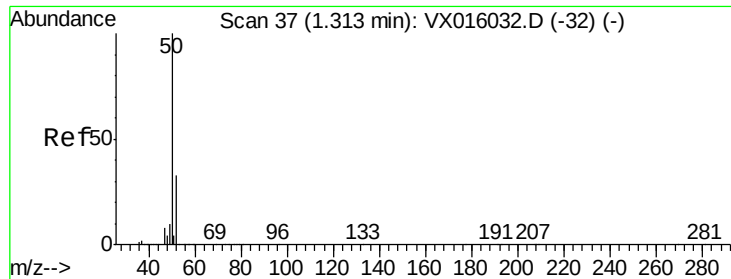
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 51.766 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

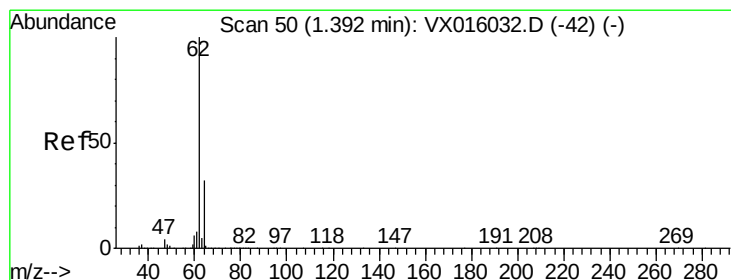
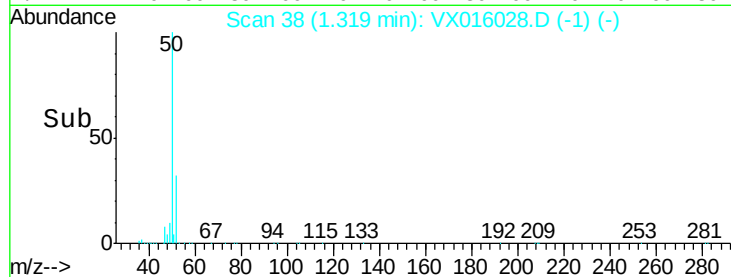
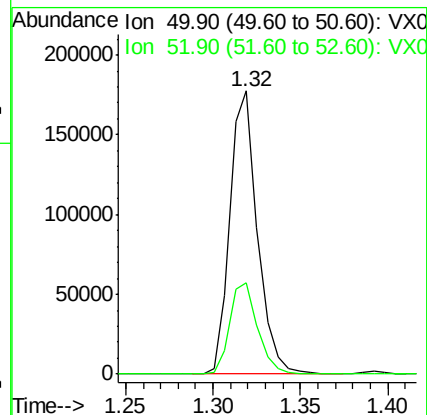
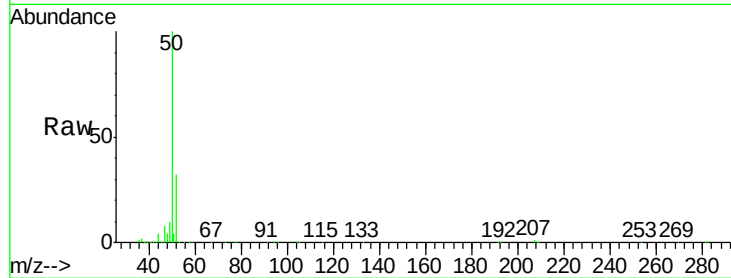
VSTDCCC050

Tot Ion: 50 Resp: 193783

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 52.026 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016028.D

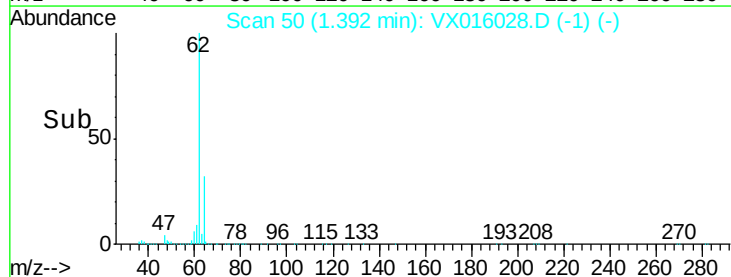
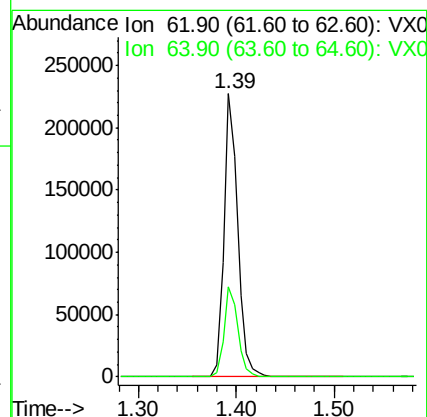
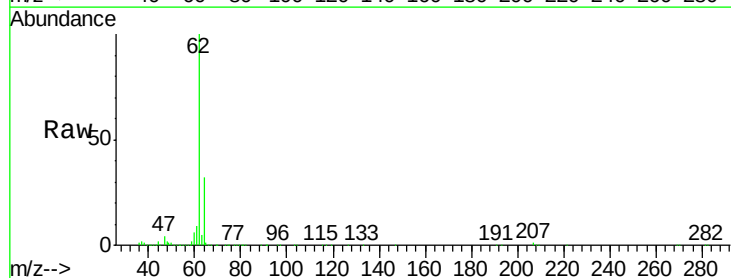
Acq: 04 May 2020 10:42

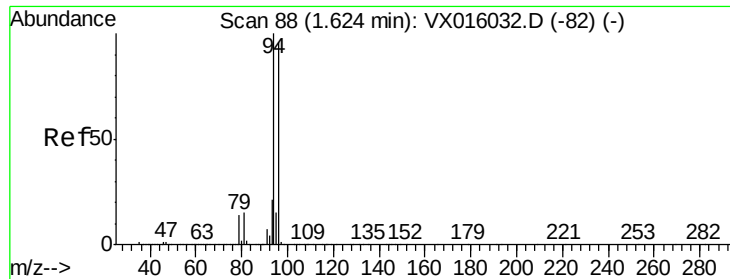
Tgt Ion: 62 Resp: 221175

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.6





#5

Bromomethane

Concen: 34.984 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

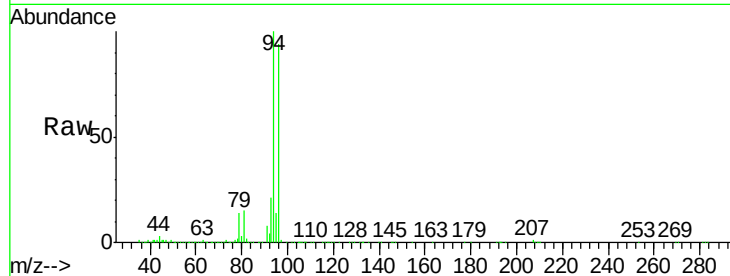
VSTDCCC050

Tot Ion: 94 Resp: 99844

Ion Ratio Lower Upper

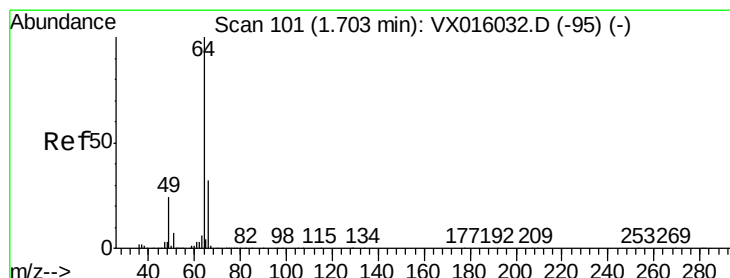
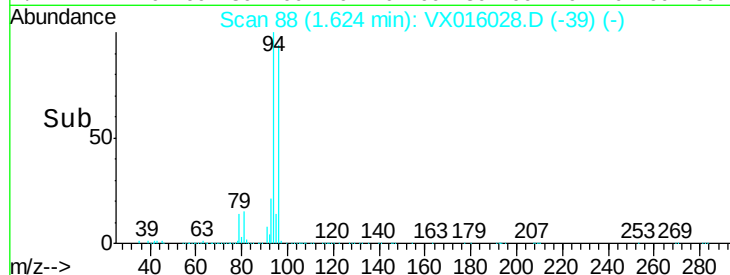
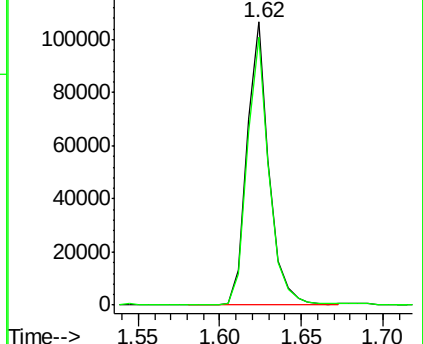
94 100

96 94.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.162 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016028.D

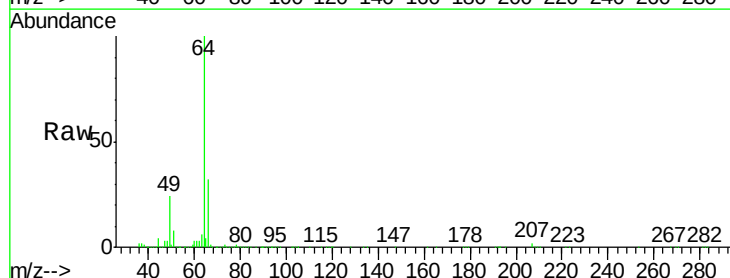
Acq: 04 May 2020 10:42

Tgt Ion: 64 Resp: 133366

Ion Ratio Lower Upper

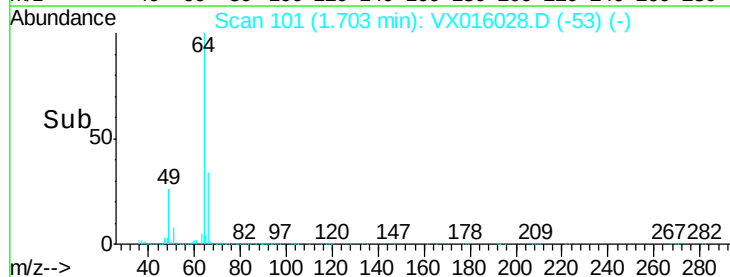
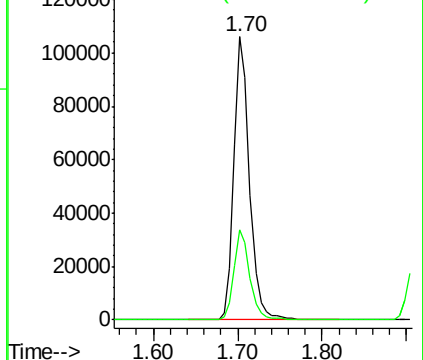
64 100

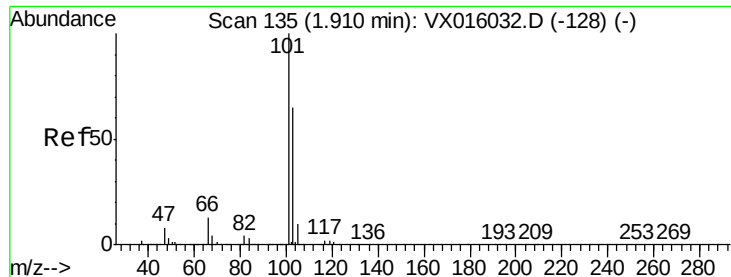
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



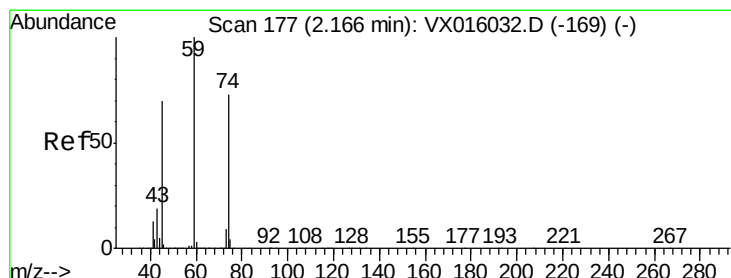
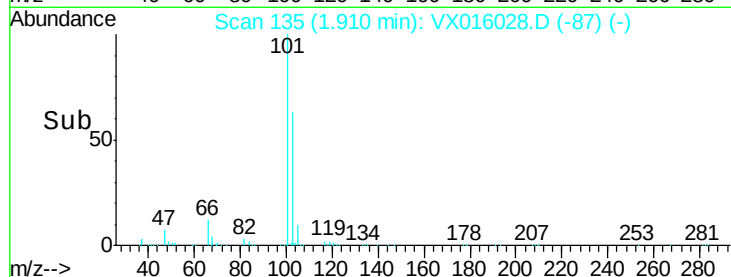
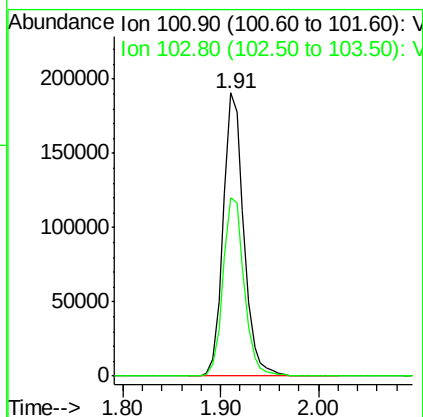
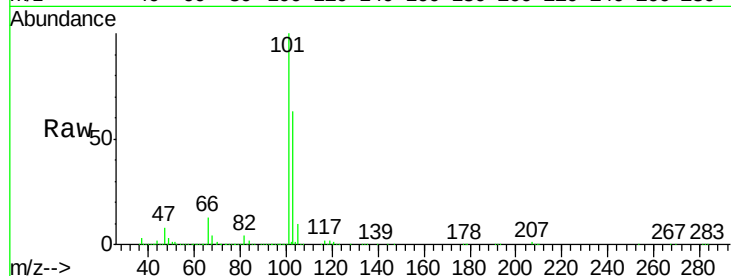


#7

Trichlorofluoromethane
 Concen: 43.155 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

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 VSTDCCC050

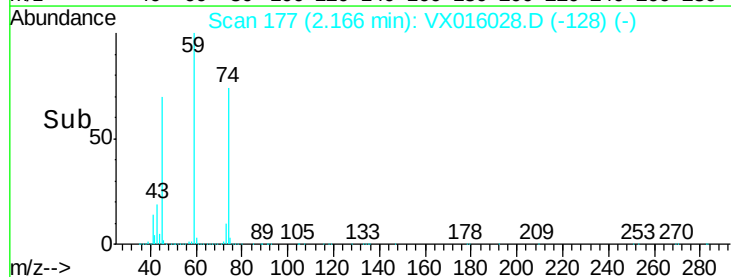
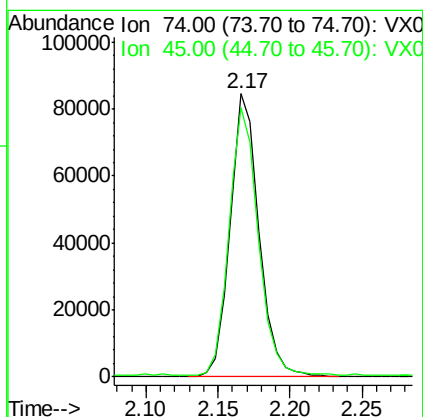
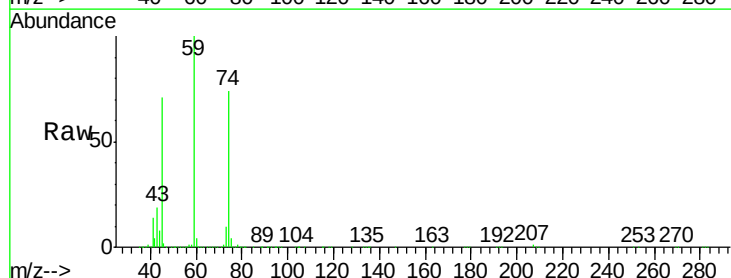
Tot Ion:101 Resp: 277304
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.4 78.6

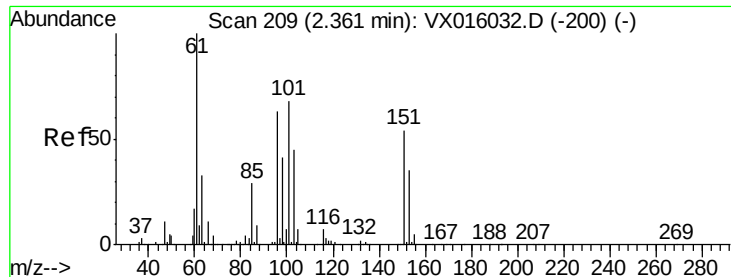


#8

Diethyl Ether
 Concen: 44.160 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

Tgt Ion: 74 Resp: 118463
 Ion Ratio Lower Upper
 74 100
 45 96.2 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.769 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

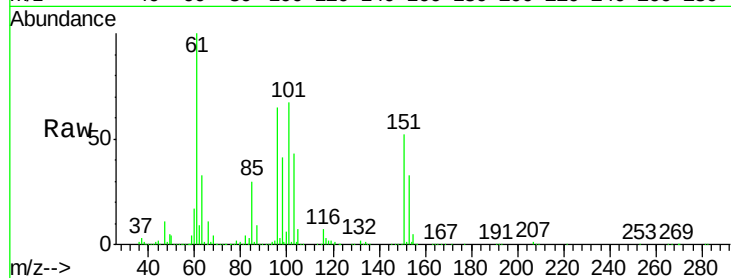
Tot Ion:101 Resp: 162614

Ion Ratio Lower Upper

101 100

85 43.3 36.3 54.5

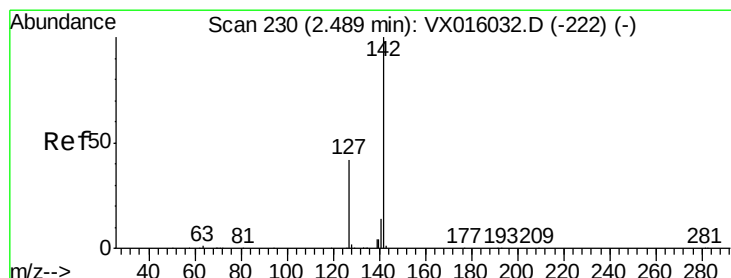
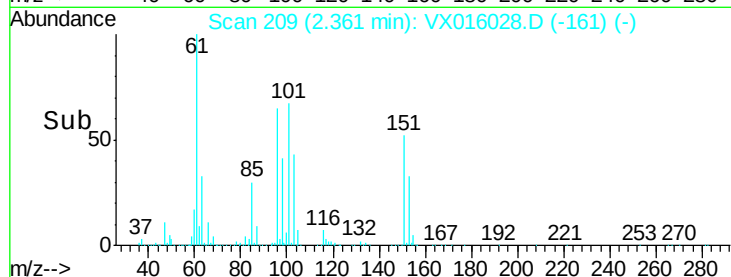
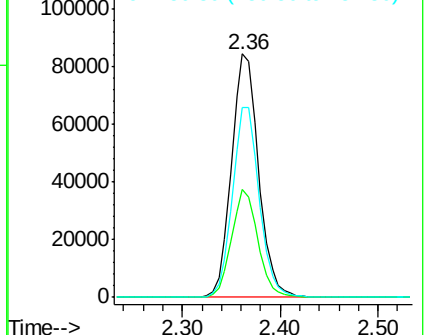
151 77.3 63.1 94.7



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: 51.433 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

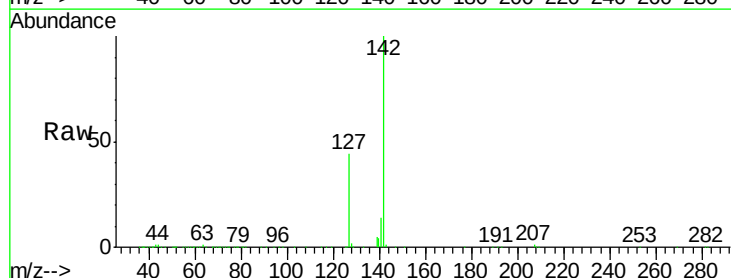
Tgt Ion:142 Resp: 229810

Ion Ratio Lower Upper

142 100

127 42.8 36.5 54.7

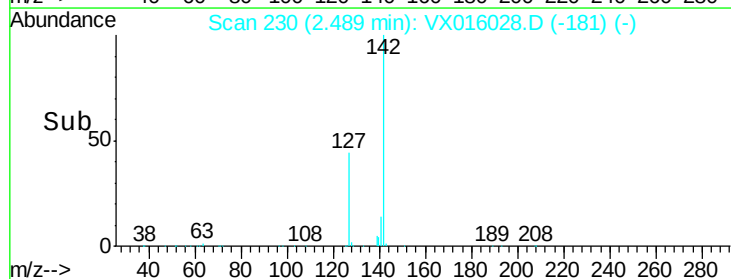
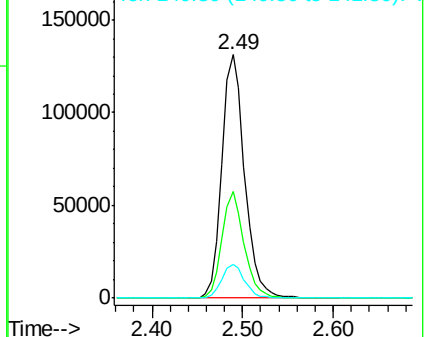
141 14.0 11.6 17.4

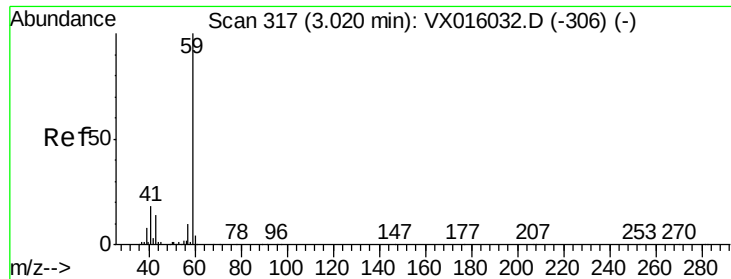


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 251.085 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

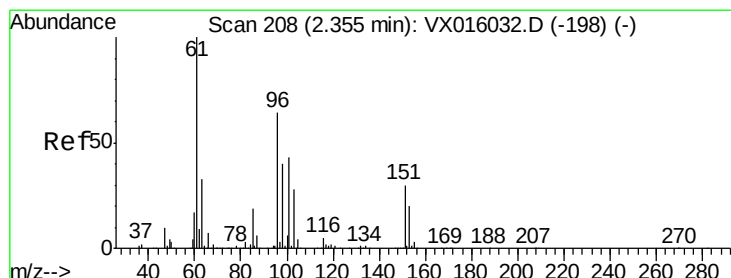
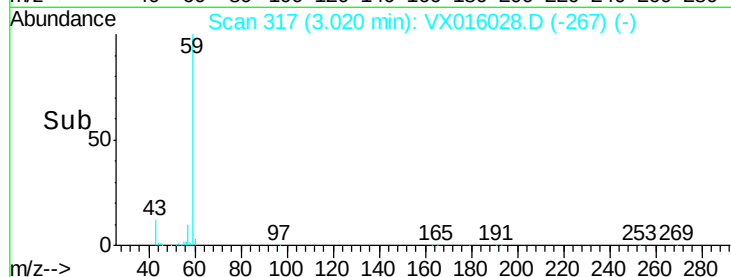
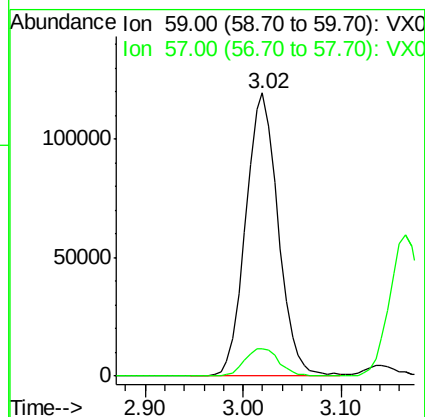
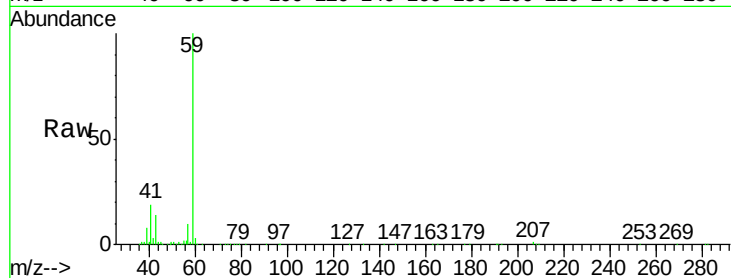
VSTDCCC050

Tot Ion: 59 Resp: 275064

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



#12

1,1-Dichloroethene

Concen: 50.736 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

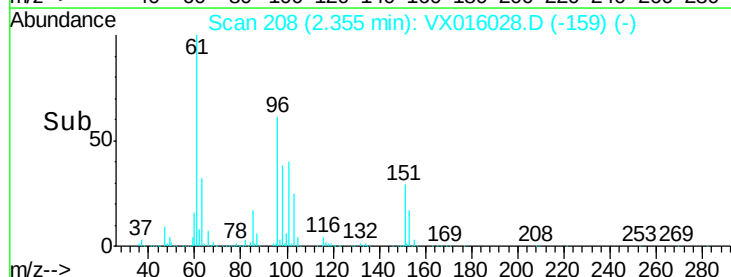
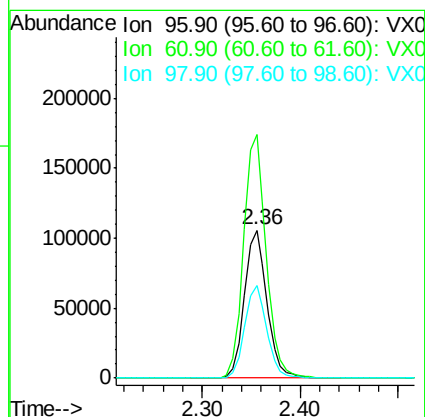
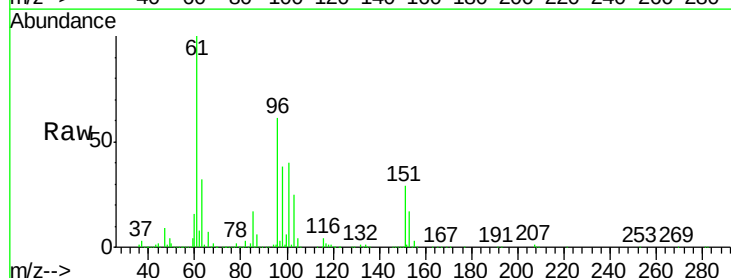
Tgt Ion: 96 Resp: 167558

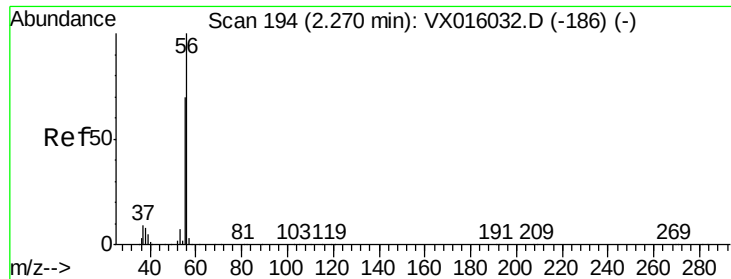
Ion Ratio Lower Upper

96 100

61 164.6 131.0 196.4

98 62.2 50.7 76.1

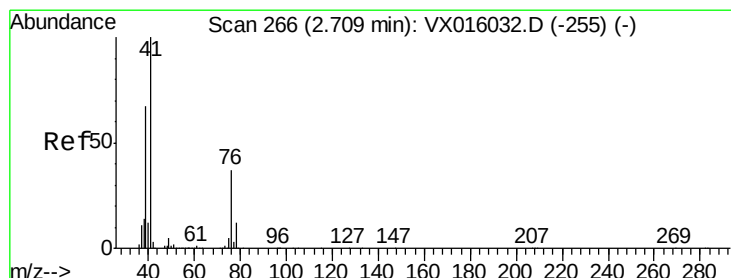
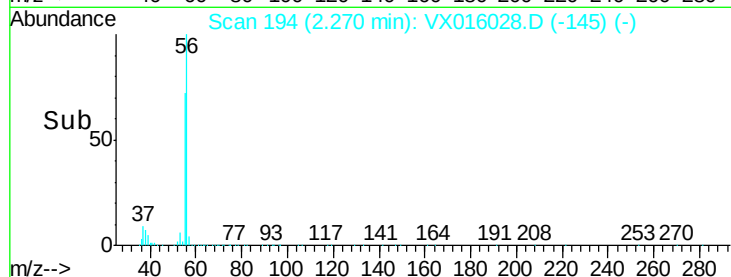
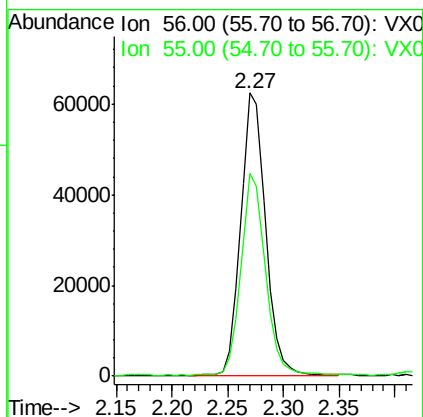
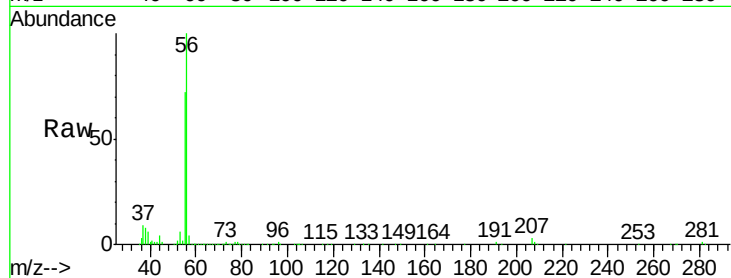




#13
Acrolein
Concen: 351.058 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

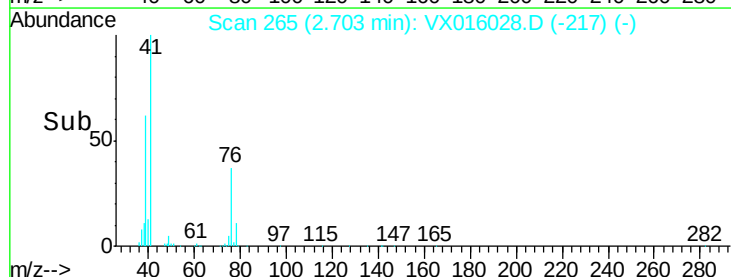
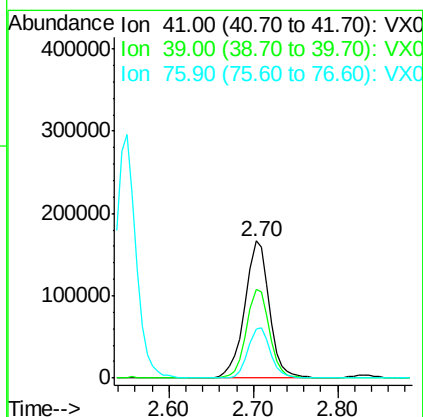
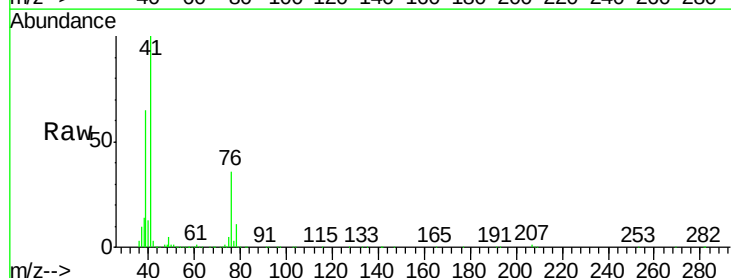
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

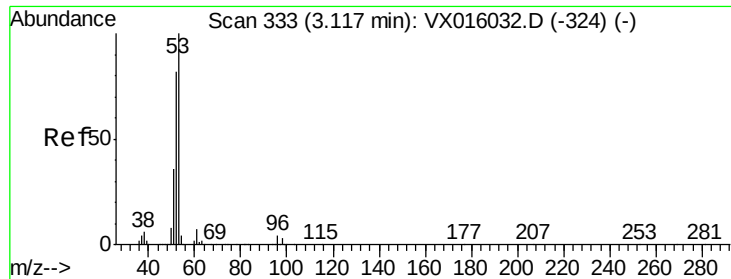
Tot Ion: 56 Resp: 96650
Ion Ratio Lower Upper
56 100
55 70.6 56.9 85.3



#14
Allyl chloride
Concen: 54.622 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 41 Resp: 325278
Ion Ratio Lower Upper
41 100
39 61.0 55.4 83.0
76 33.5 27.1 40.7





#15

Acrylonitrile

Concen: 269.562 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

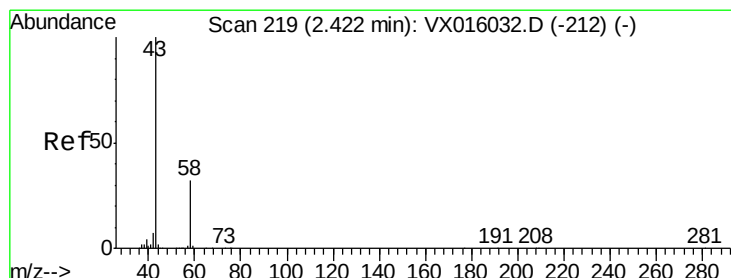
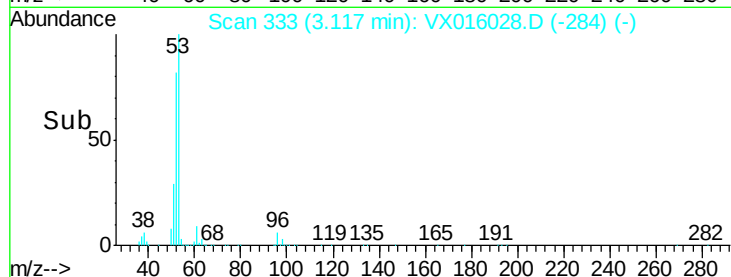
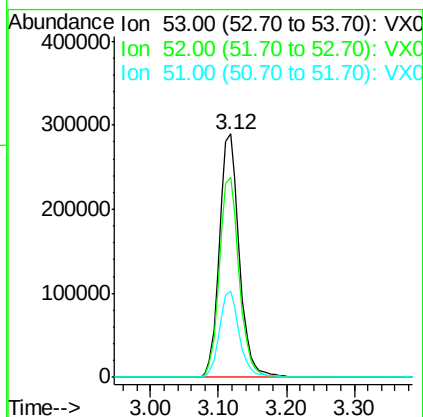
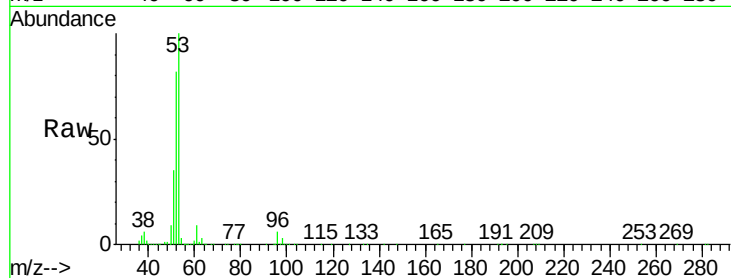
Tot Ion: 53 Resp: 585535

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	35.7	28.7	43.1

53 100

52 82.2 65.5 98.3

51 35.7 28.7 43.1



#16

Acetone

Concen: 252.554 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016028.D

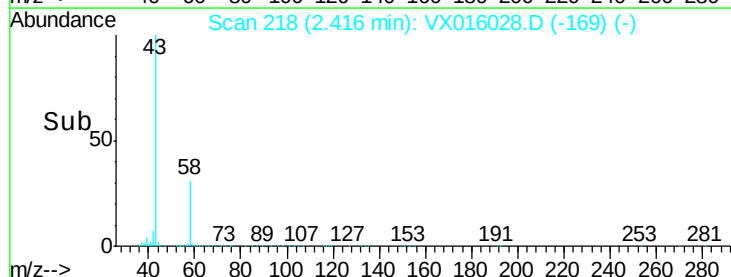
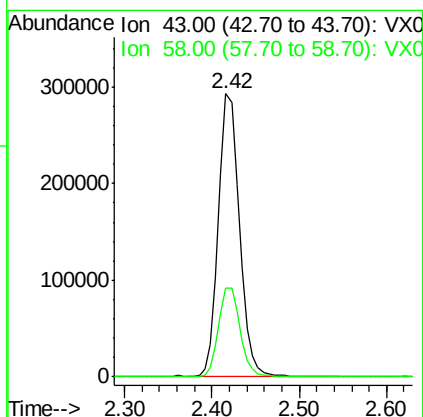
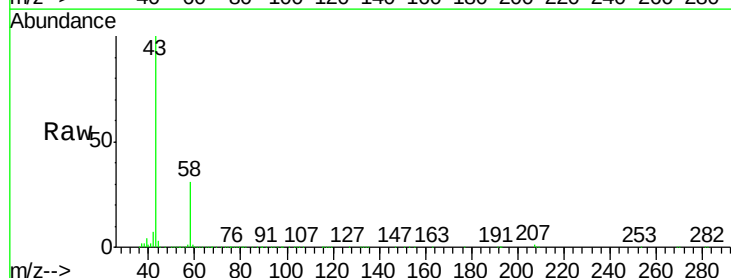
Acq: 04 May 2020 10:42

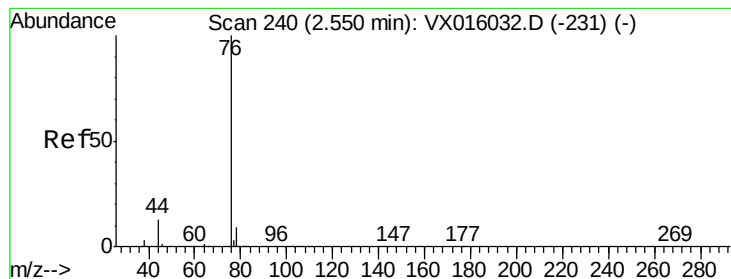
Tgt Ion: 43 Resp: 487394

Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.1	37.7

43 100

58 31.4 25.1 37.7





#17

Carbon Disulfide

Concen: 50.918 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

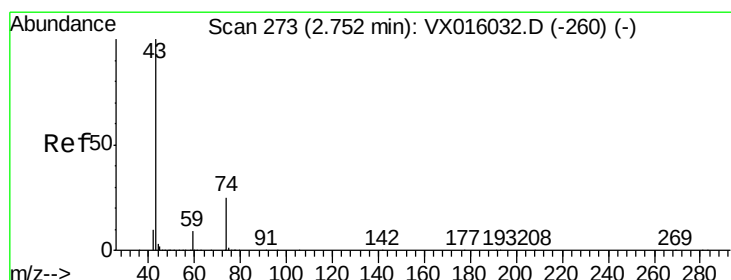
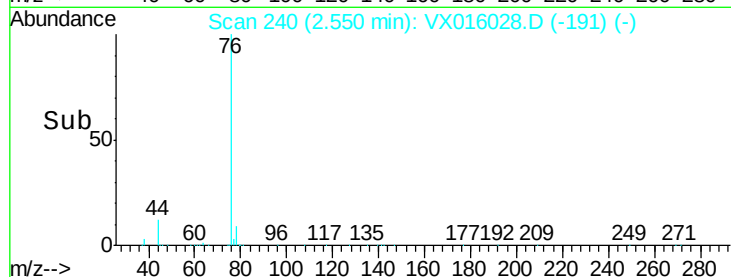
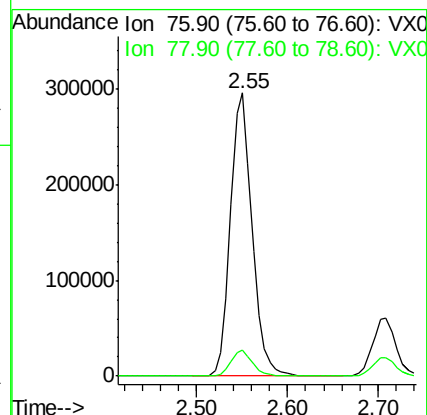
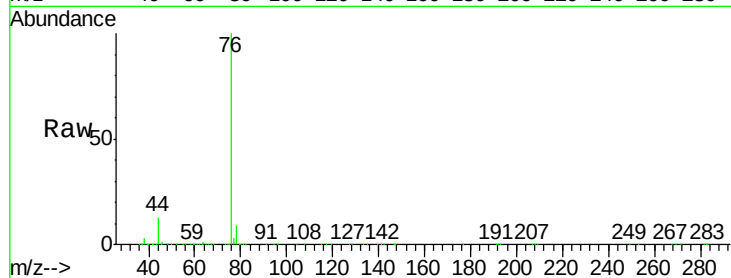
VSTDCCC050

Tot Ion: 76 Resp: 490536

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



#18

Methyl Acetate

Concen: 53.868 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX016028.D

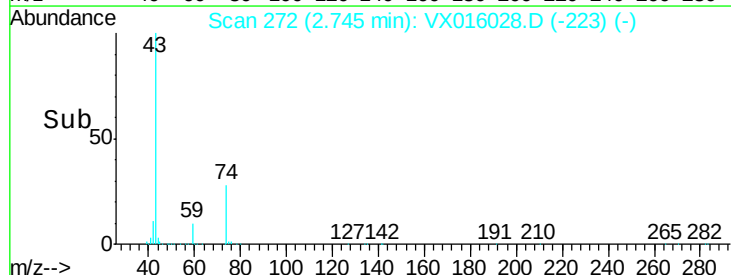
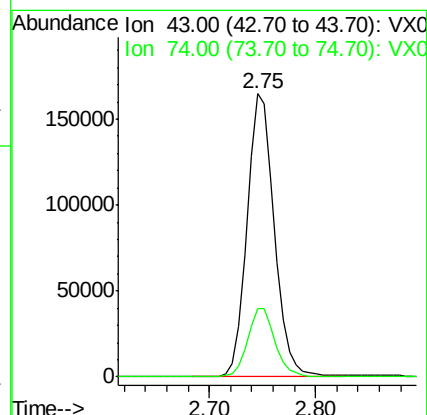
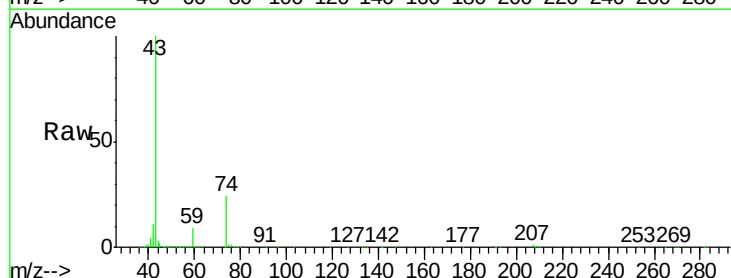
Acq: 04 May 2020 10:42

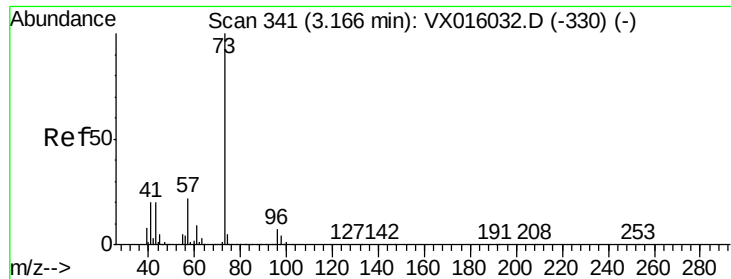
Tgt Ion: 43 Resp: 295003

Ion Ratio Lower Upper

43 100

74 24.9 19.6 29.4

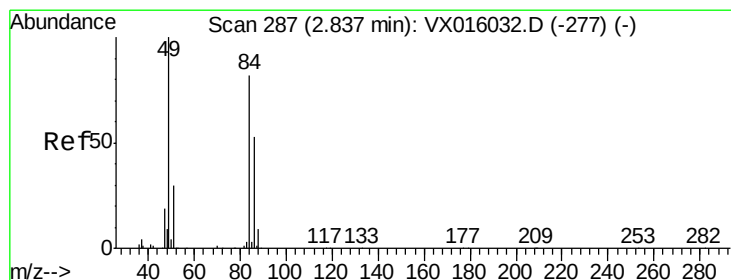
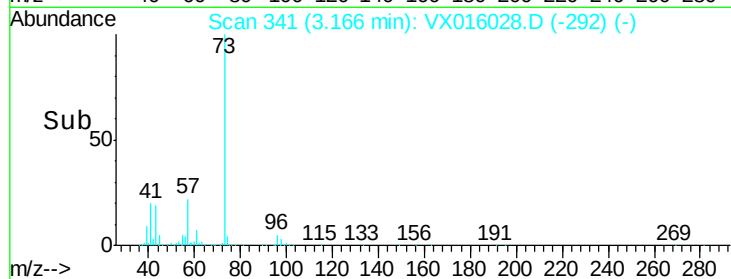
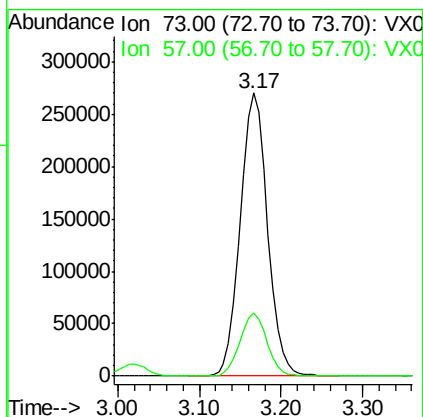
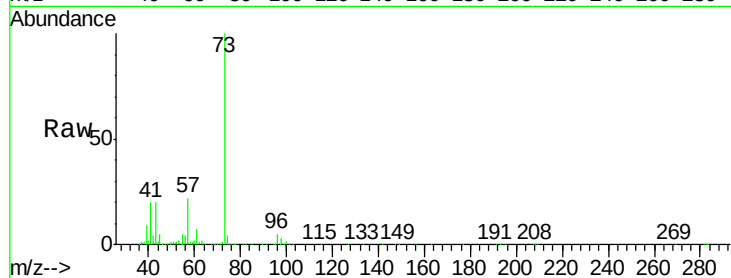




#19
Methyl tert-butyl Ether
Concen: 52.197 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

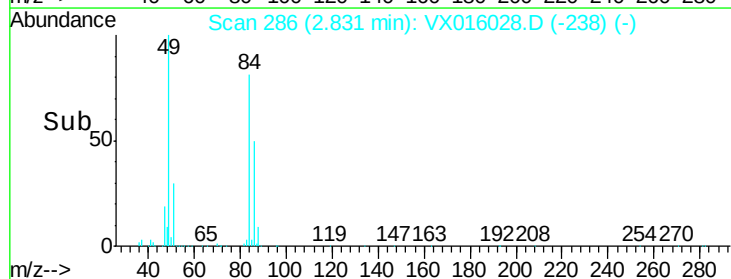
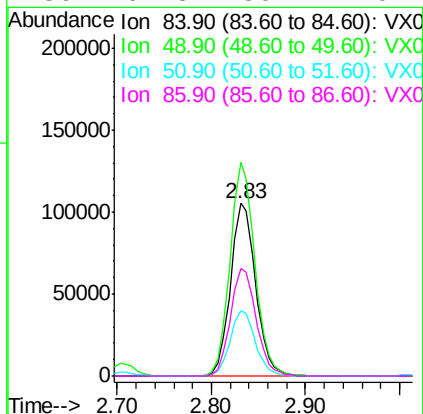
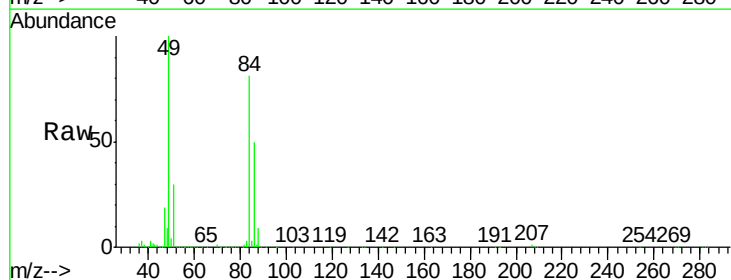
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

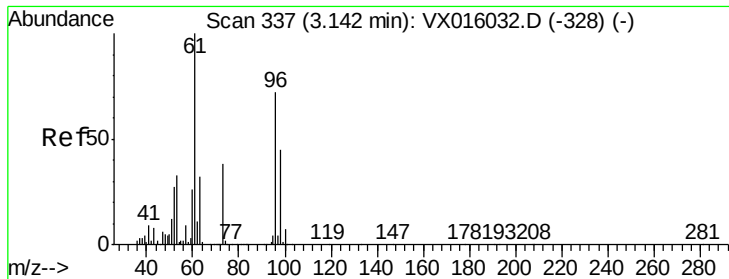
Tot Ion: 73 Resp: 623476
Ion Ratio Lower Upper
73 100
57 22.2 17.5 26.3



#20
Methylene Chloride
Concen: 51.162 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 84 Resp: 195458
Ion Ratio Lower Upper
84 100
49 123.9 97.9 146.9
51 37.4 31.2 46.8
86 62.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.681 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

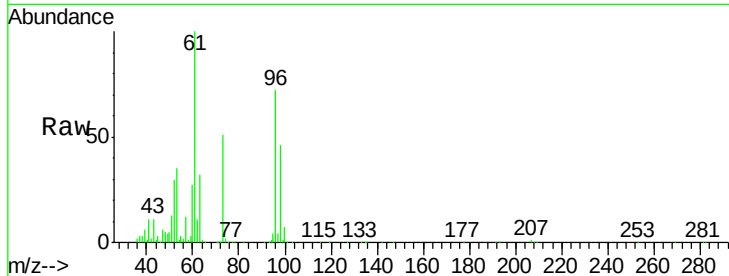
Tot Ion: 96 Resp: 184910

Ion Ratio Lower Upper

96 100

61 139.4 113.6 170.4

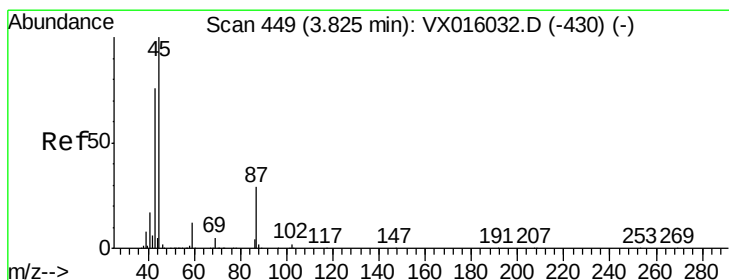
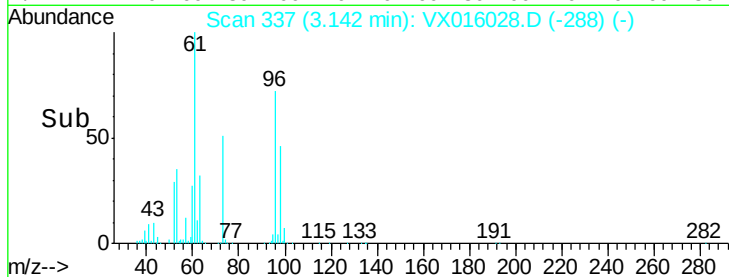
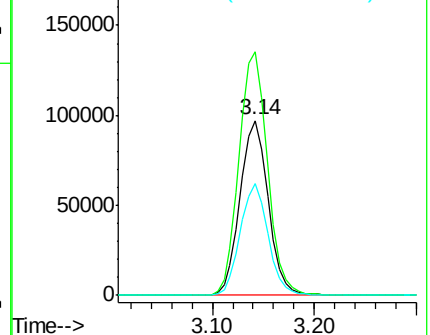
98 63.7 50.3 75.5



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: 53.637 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Tgt Ion: 45 Resp: 627968

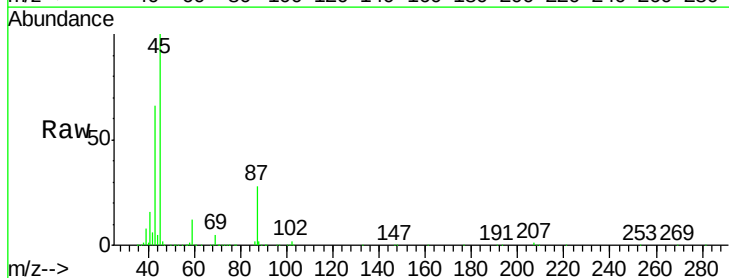
Ion Ratio Lower Upper

45 100

43 66.0 61.3 91.9

87 28.1 22.6 33.8

59 11.7 9.0 13.6

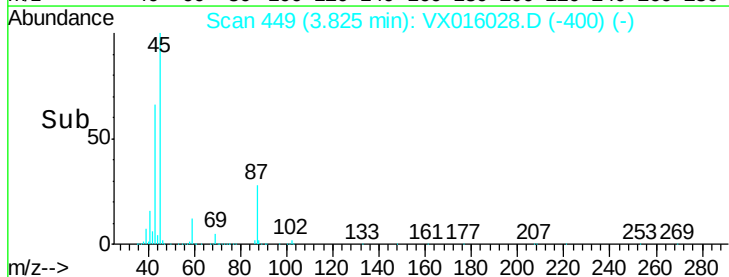
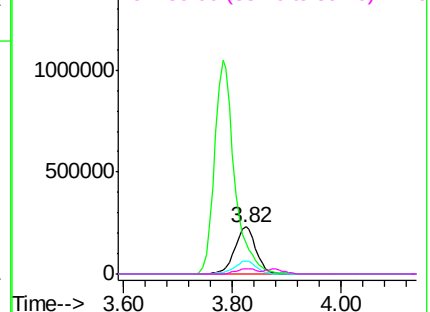


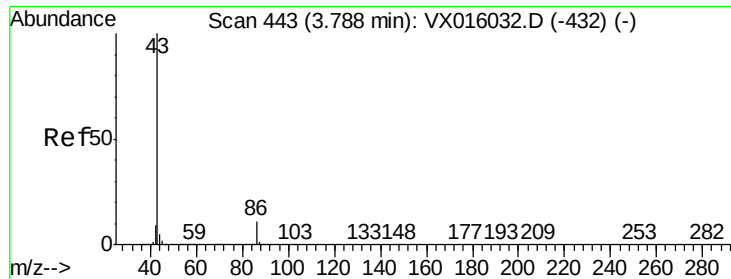
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 263.399 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

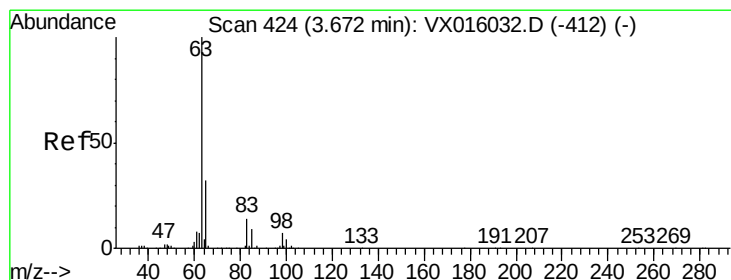
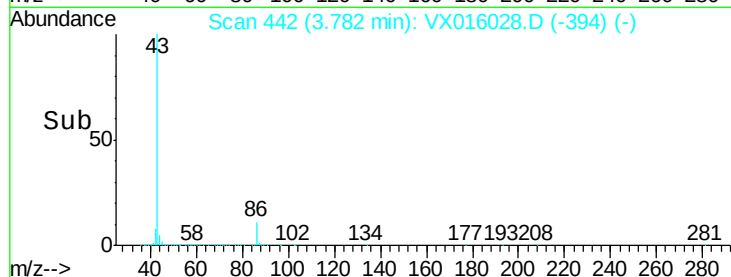
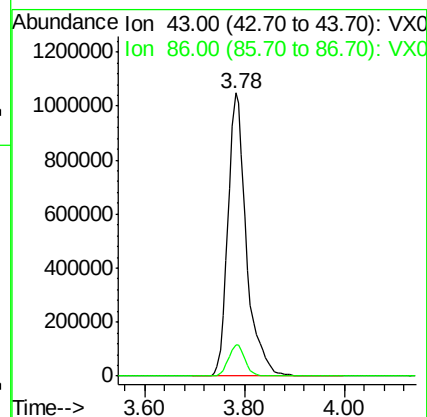
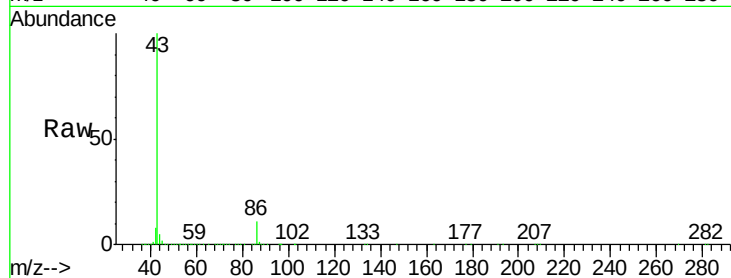
VSTDCCC050

Tot Ion: 43 Resp: 2678814

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



#24

1,1-Dichloroethane

Concen: 52.754 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

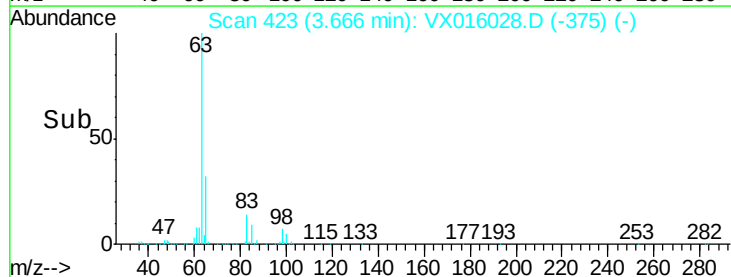
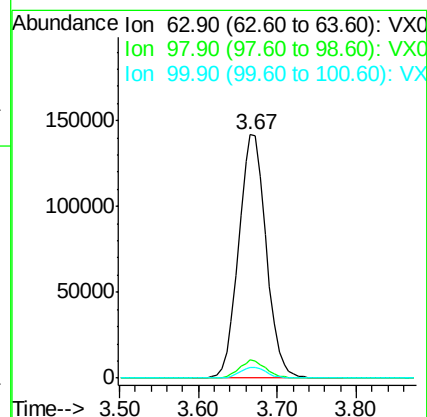
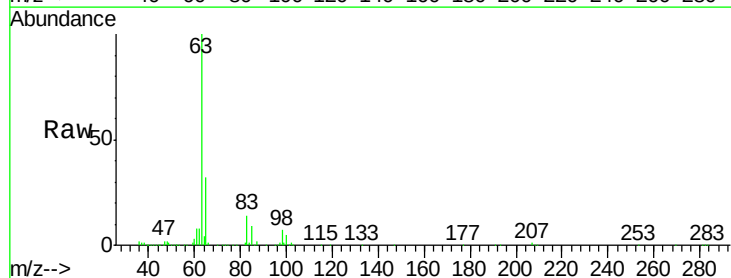
Tgt Ion: 63 Resp: 344055

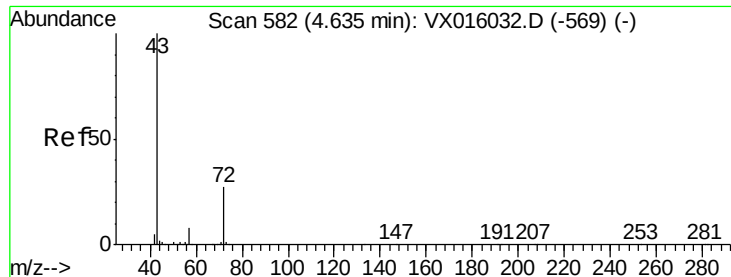
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.6 2.2 6.6

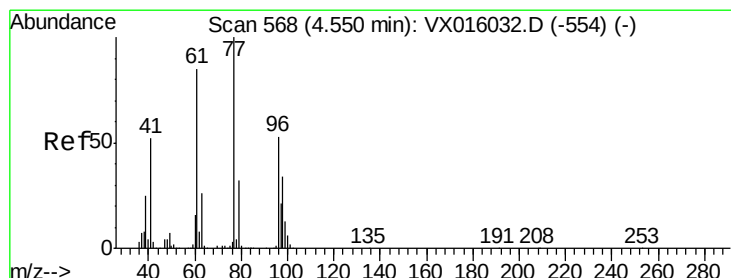
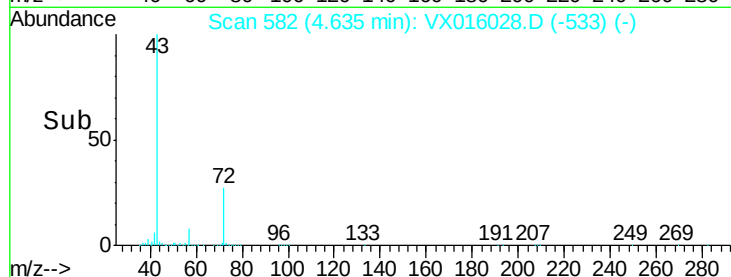
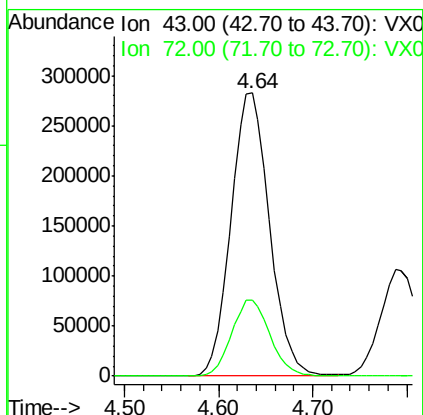
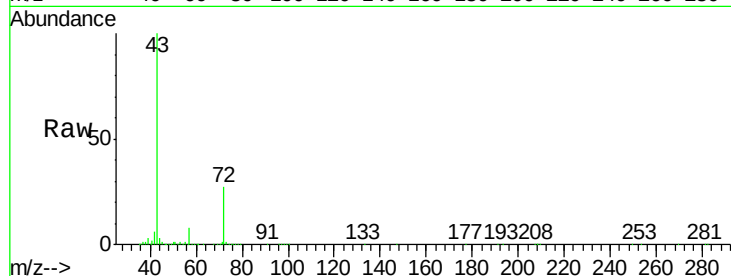




#25
2-Butanone
Concen: 257.306 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

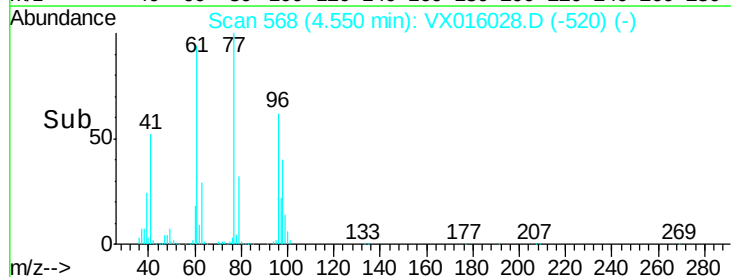
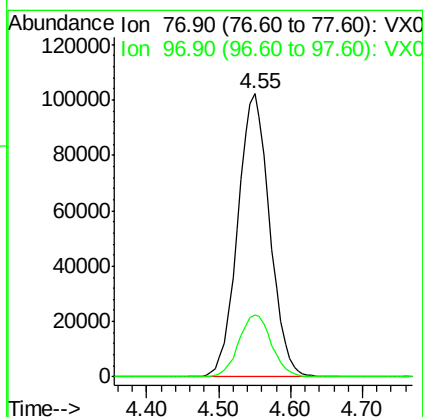
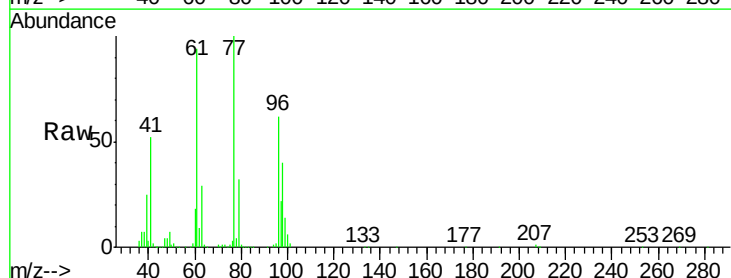
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

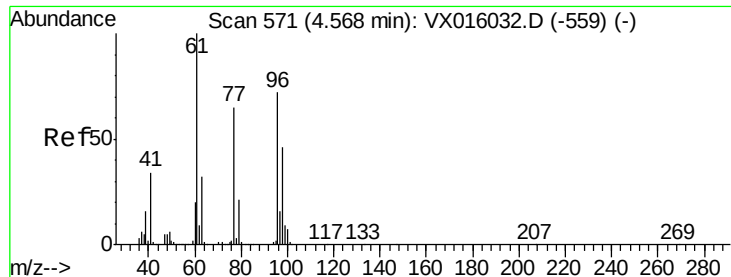
Tot Ion: 43 Resp: 804673
Ion Ratio Lower Upper
43 100
72 26.8 21.0 31.4



#26
2,2-Dichloropropane
Concen: 52.856 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 77 Resp: 315191
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.3



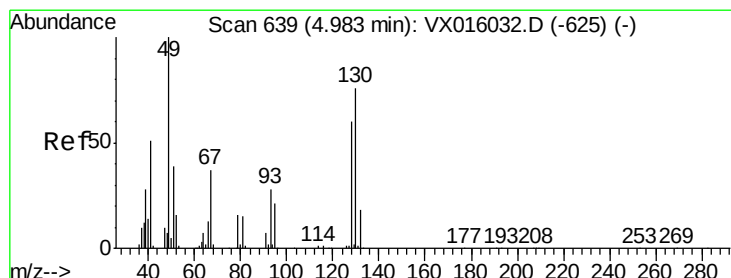
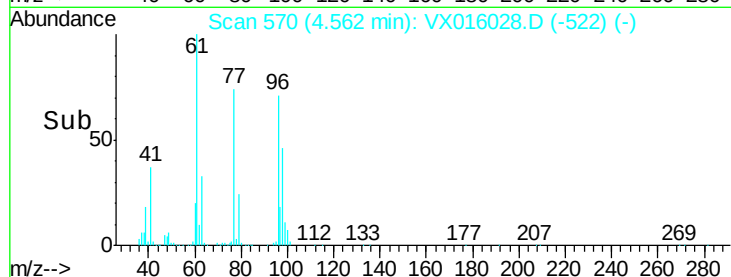
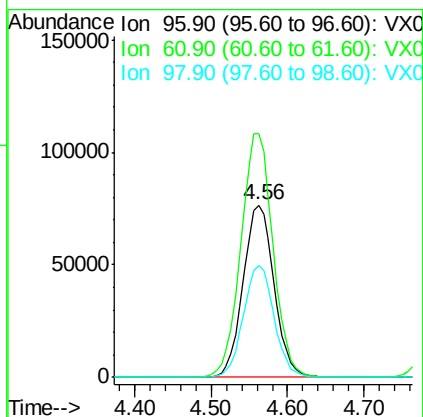
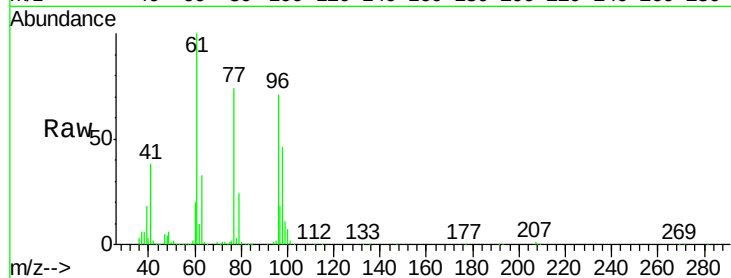


#27

cis-1,2-Dichloroethene
Concen: 50.620 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

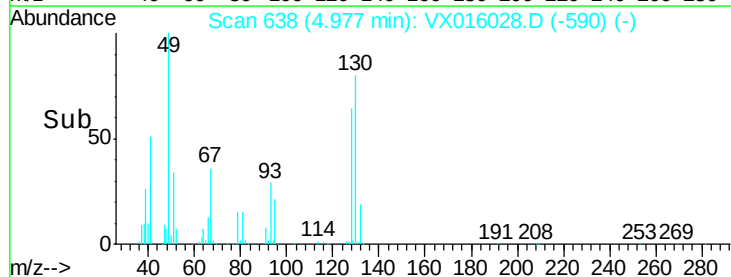
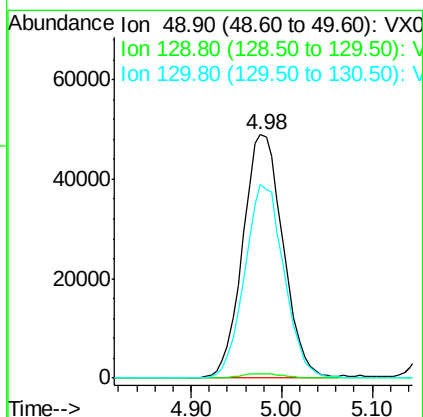
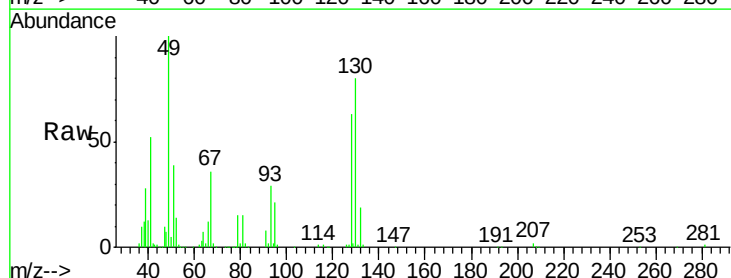
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	294.2
98	64.9	0.0	127.4

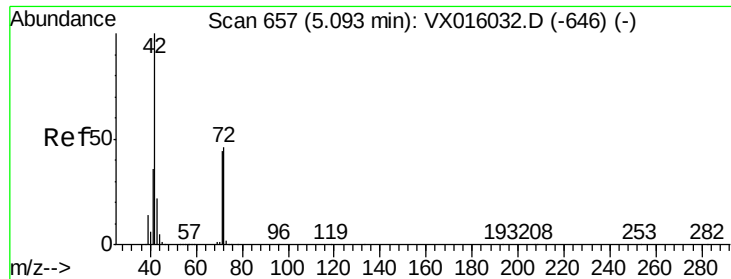


#28

Bromochloromethane
Concen: 47.725 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	77.9	63.9	95.9





#29

Tetrahydrofuran

Concen: 259.117 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

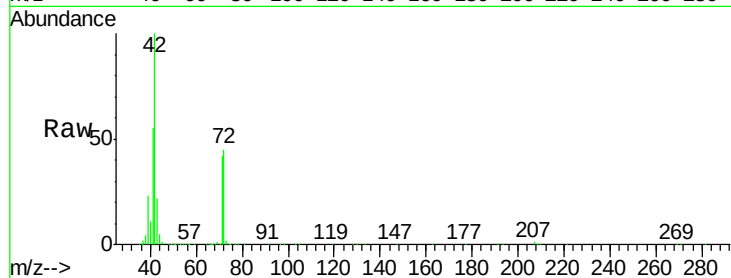
Tot Ion: 42 Resp: 531060

Ion Ratio Lower Upper

42 100

72 46.3 37.4 56.0

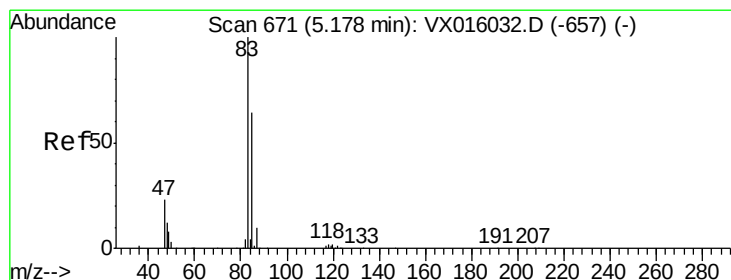
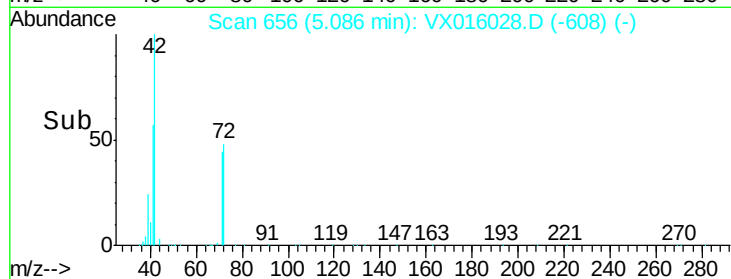
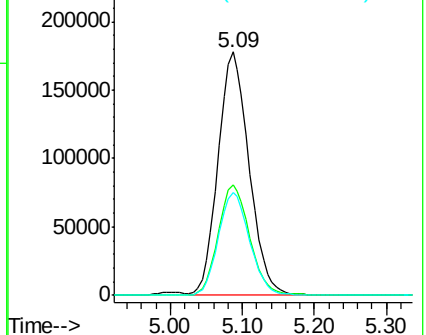
71 42.8 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.093 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016028.D

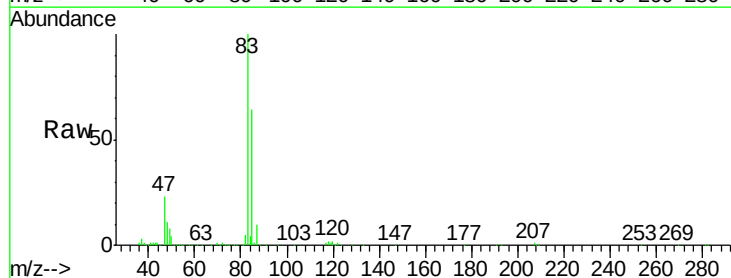
Acq: 04 May 2020 10:42

Tgt Ion: 83 Resp: 339722

Ion Ratio Lower Upper

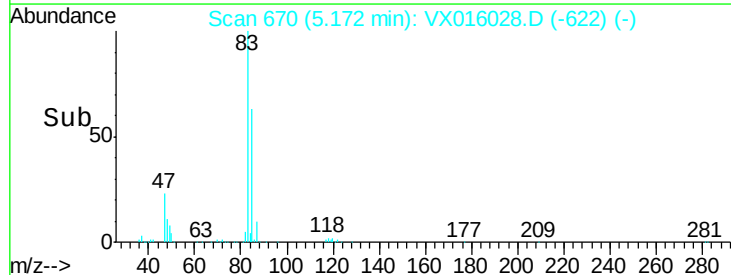
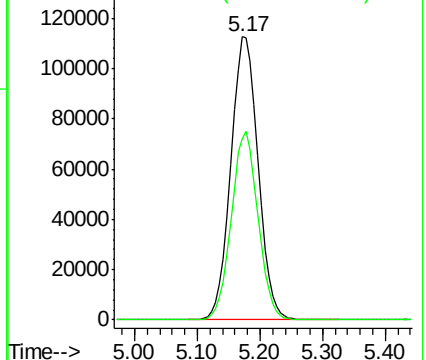
83 100

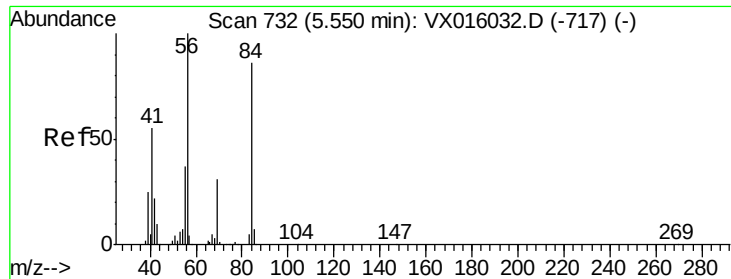
85 63.8 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

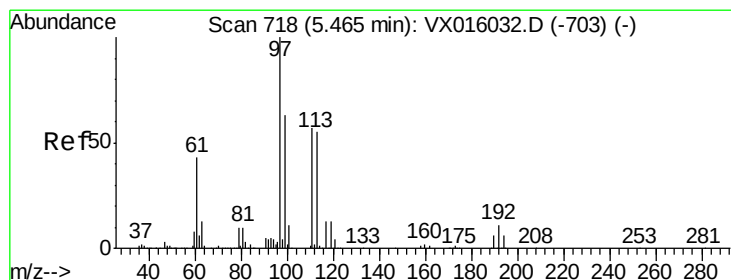
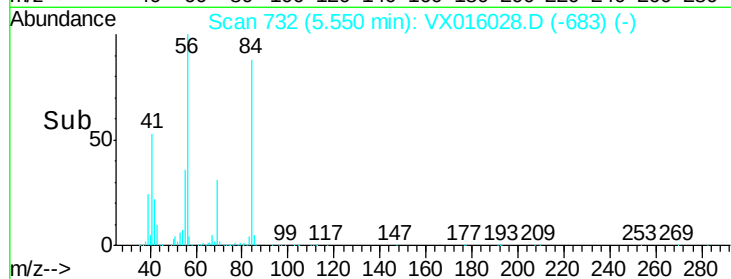
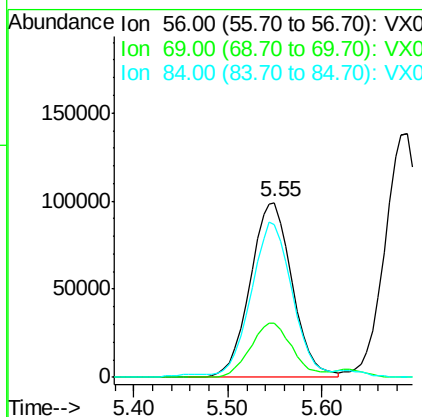
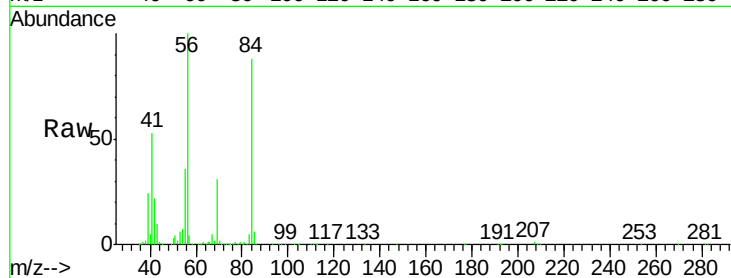




#31
Cyclohexane
Concen: 53.209 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

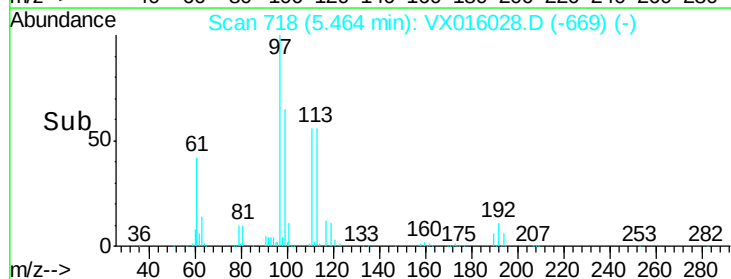
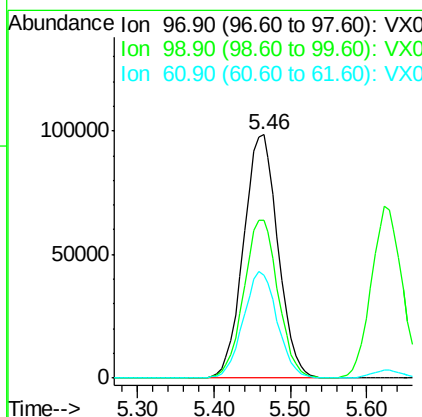
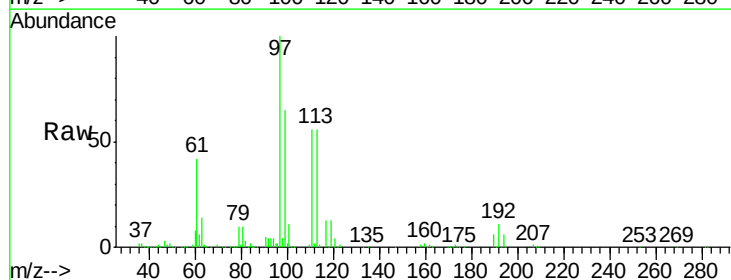
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

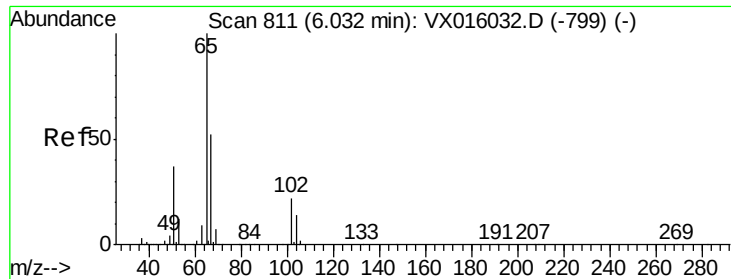
Tot Ion: 56 Resp: 308938
Ion Ratio Lower Upper
56 100
69 31.0 25.4 38.2
84 86.1 71.0 106.6



#32
1,1,1-Trichloroethane
Concen: 49.400 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 97 Resp: 308464
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 43.3 35.7 53.5

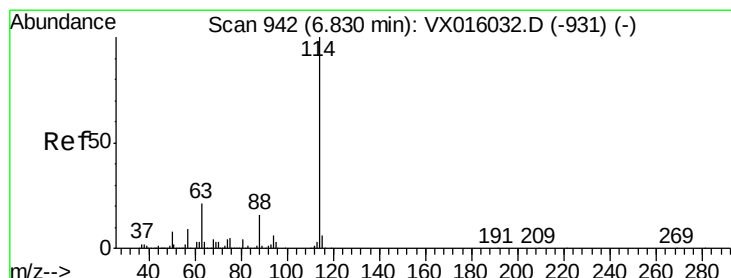
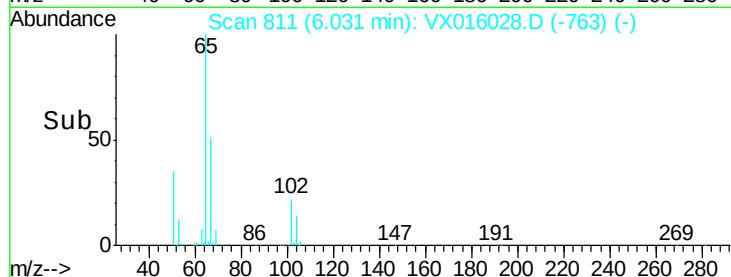
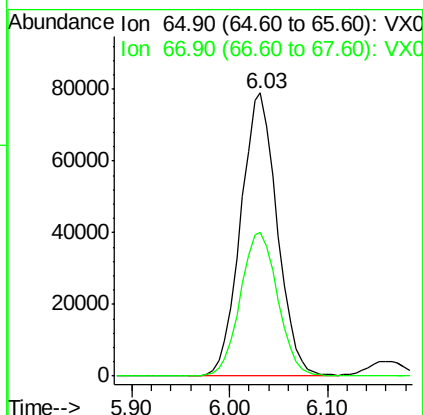
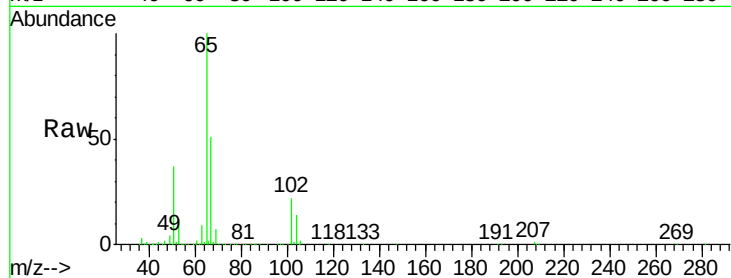




#33
 1,2-Dichloroethane-d4
 Concen: 45.211 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

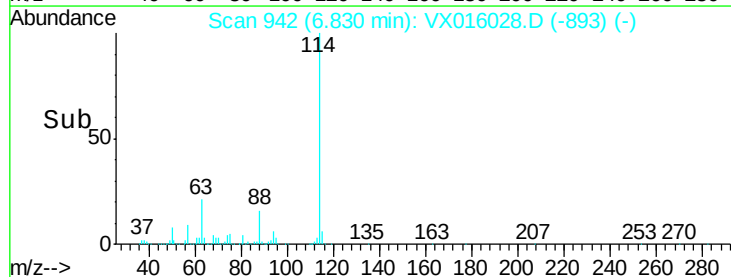
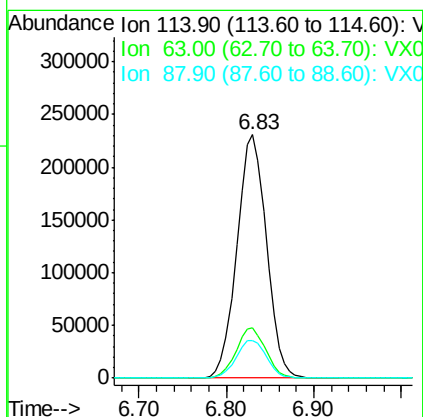
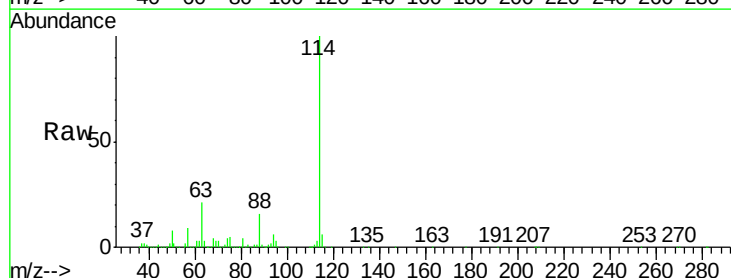
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

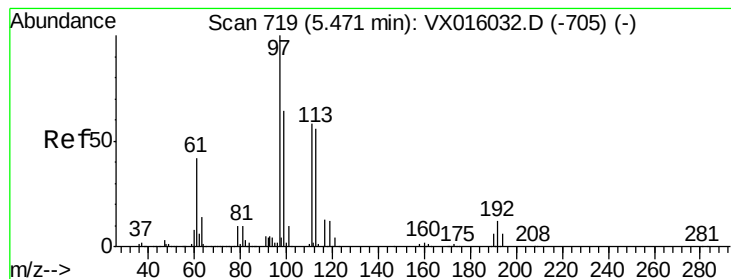
Tot Ion: 65 Resp: 204040
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

Tgt Ion: 114 Resp: 541207
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.2
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.437 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

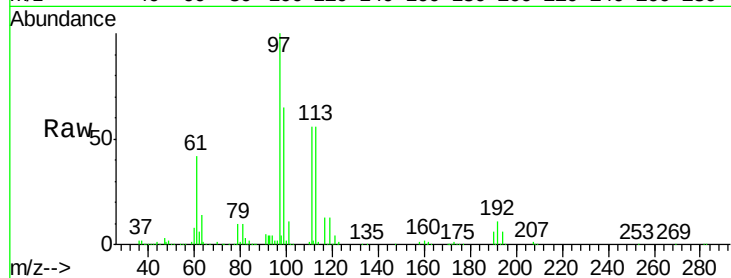
Tot Ion:113 Resp: 156776

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

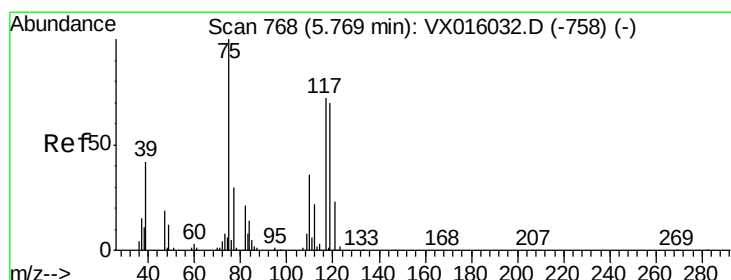
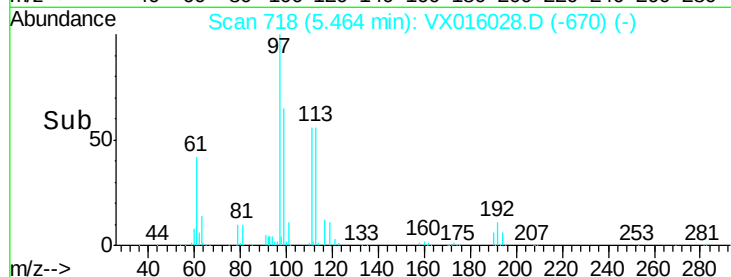
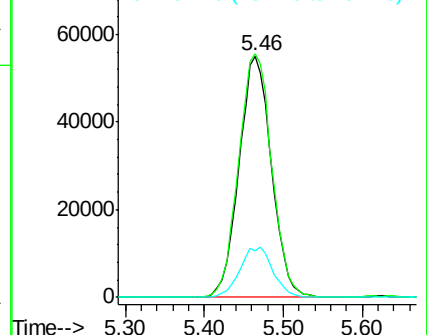
192 21.5 16.8 25.2



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: 50.155 ug/l

RT: 5.76 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

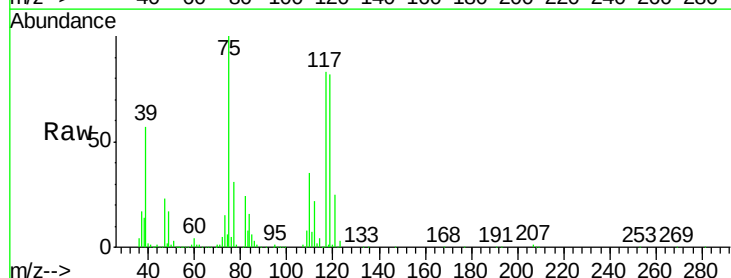
Tgt Ion: 75 Resp: 258530

Ion Ratio Lower Upper

75 100

110 35.4 17.9 53.7

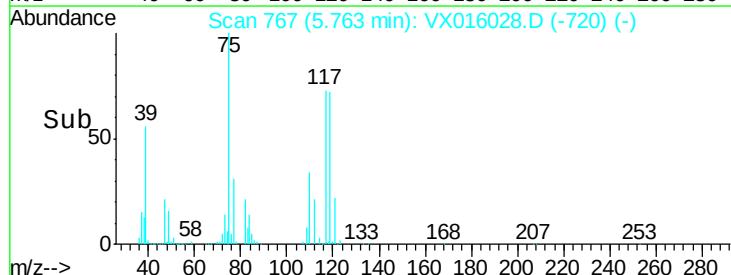
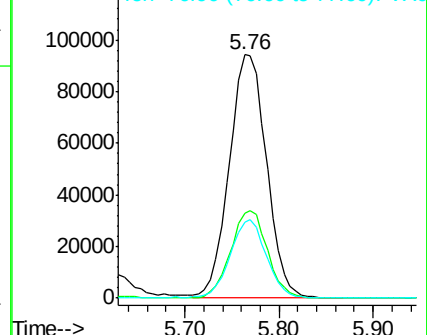
77 31.0 25.2 37.8

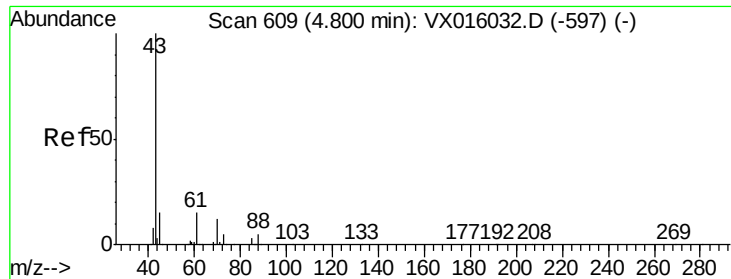


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

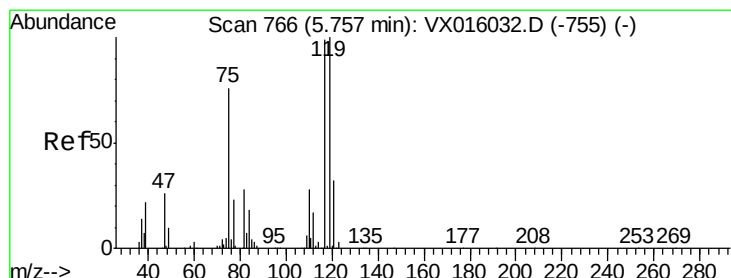
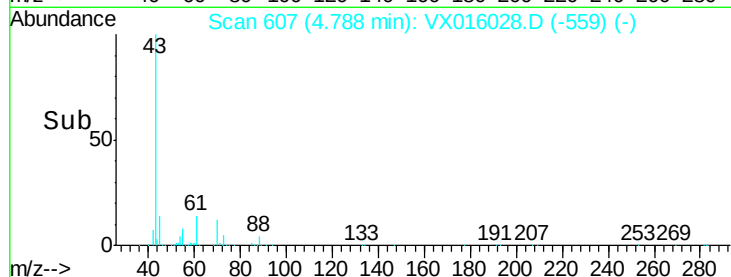
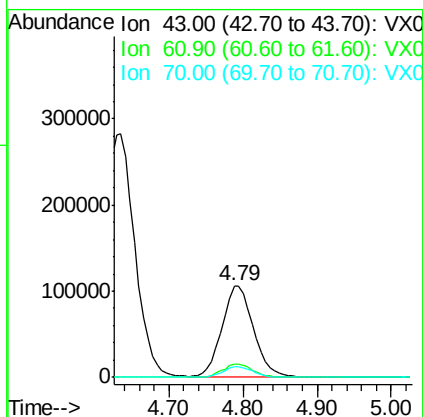
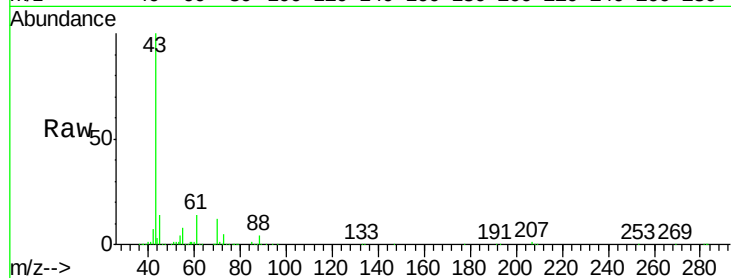




#37
Ethyl Acetate
Concen: 52.535 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

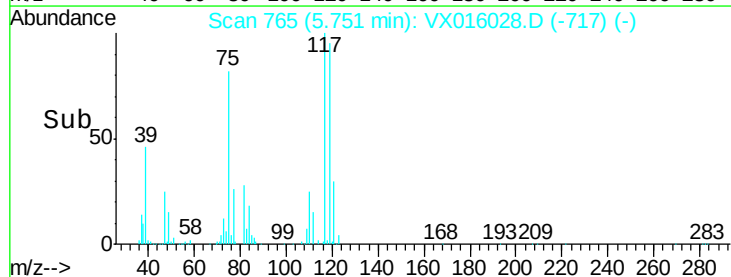
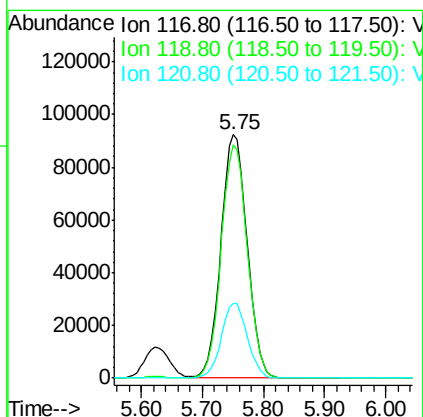
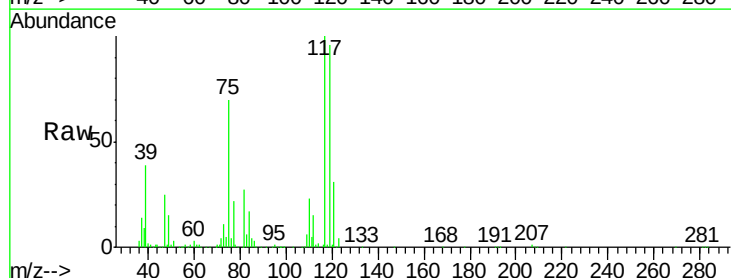
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

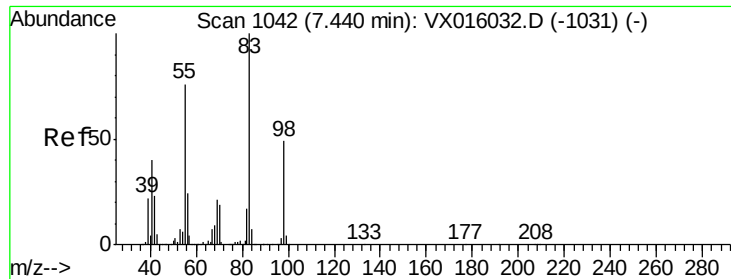
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.6	17.4
70	11.6	8.9	13.3



#38
Carbon Tetrachloride
Concen: 50.260 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.6	24.2	36.4

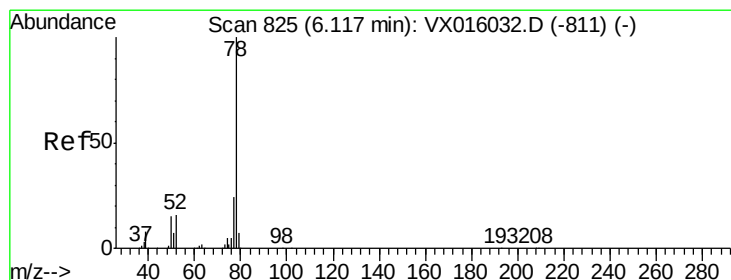
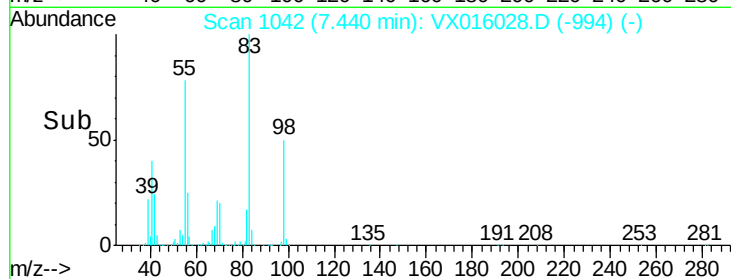
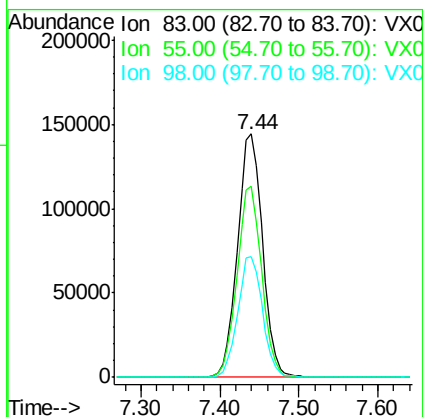
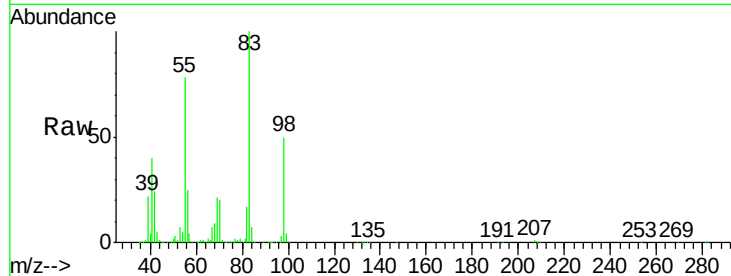




#39
Methylvlcyclohexane
Concen: 53.461 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

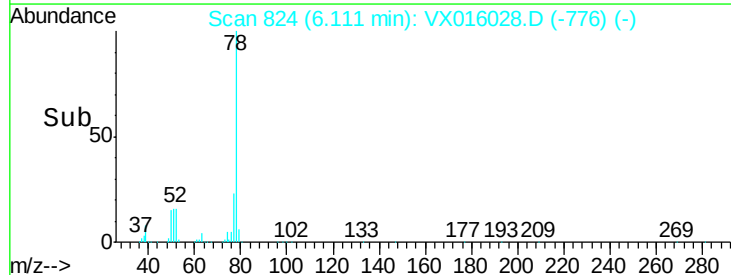
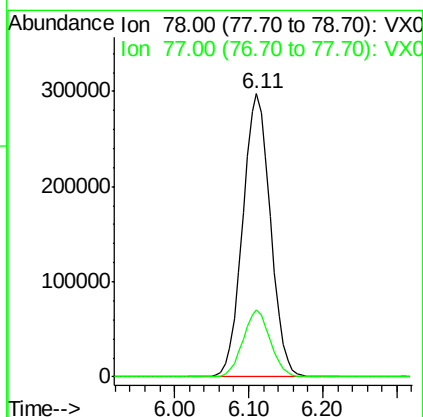
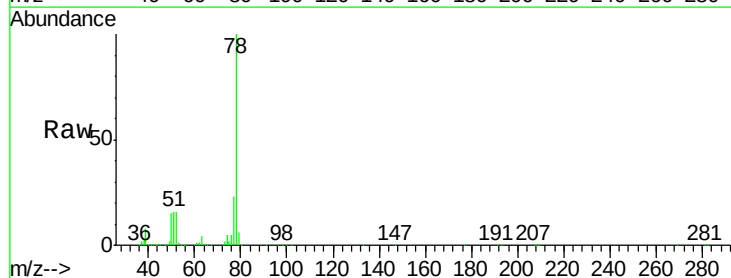
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

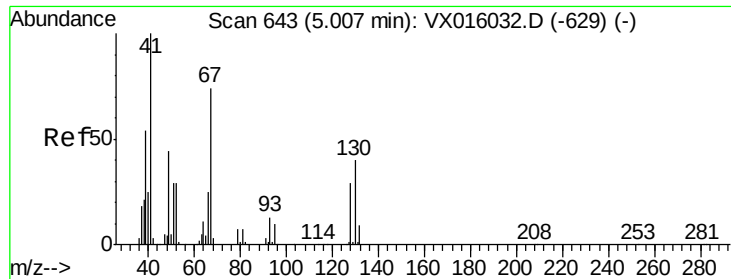
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	59.9	89.9
98	49.7	39.9	59.9



#40
Benzene
Concen: 52.720 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

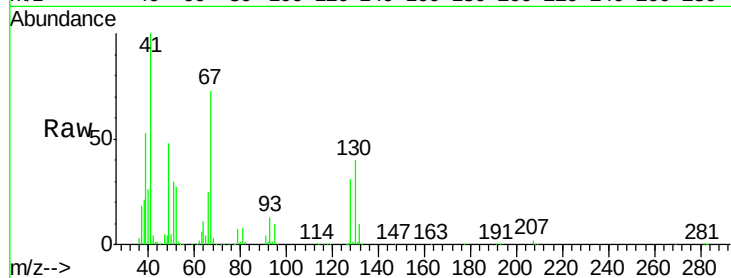




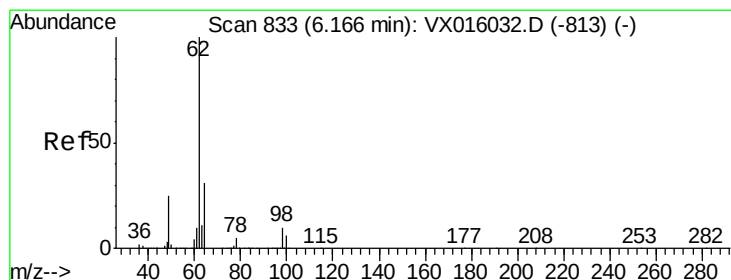
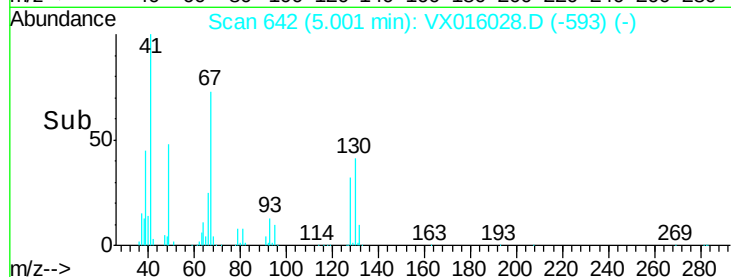
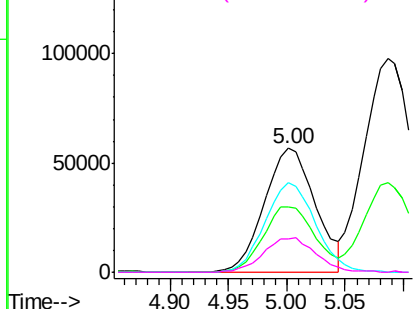
#41
Methacrylonitrile
Concen: 53.988 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	170809
Ion	Ratio	Lower	Upper
41	100		
39	53.8	45.2	67.8
67	72.5	59.4	89.2
52	28.4	25.4	38.0

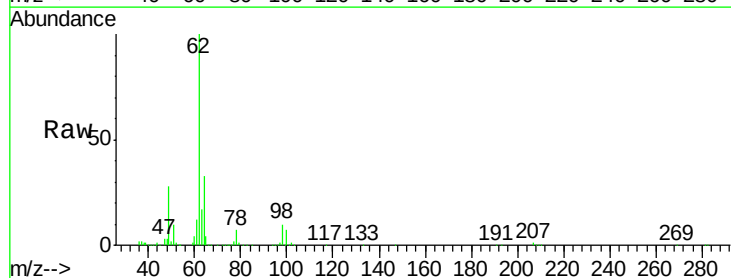


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

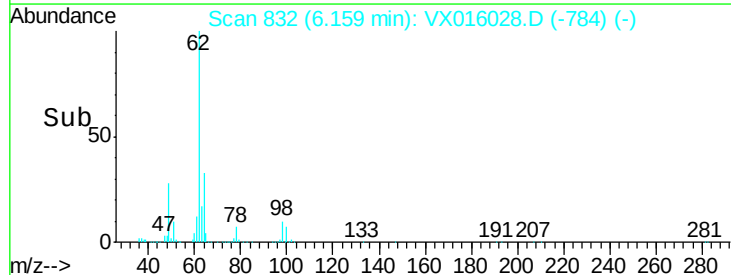
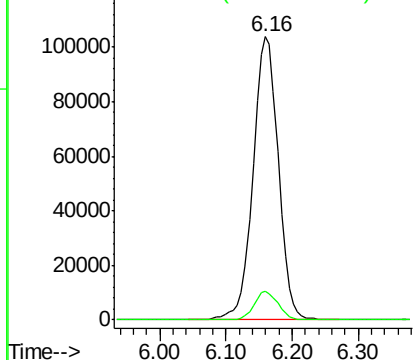


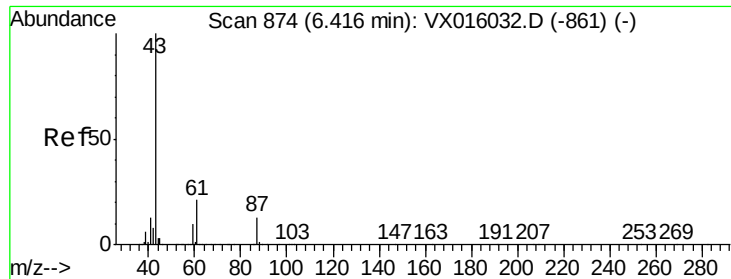
#42
1,2-Dichloroethane
Concen: 48.552 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion:	62	Resp:	276688
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 51.533 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

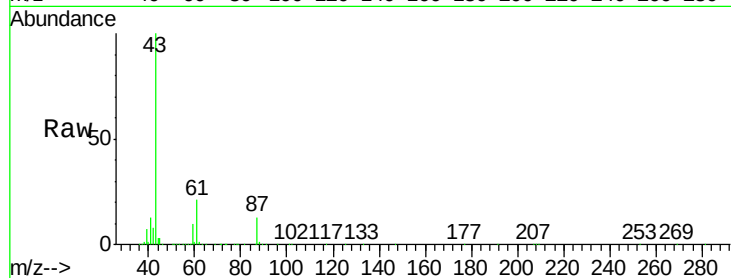
Tot Ion: 43 Resp: 504395

Ion Ratio Lower Upper

43 100

61 21.1 16.1 24.1

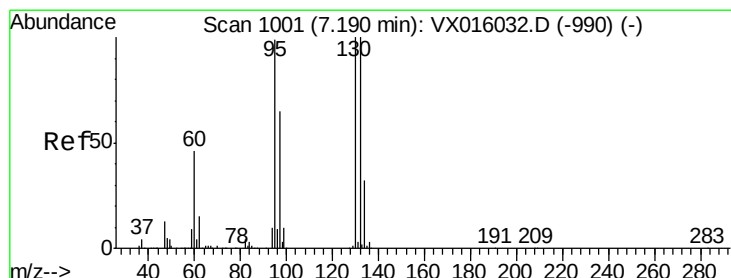
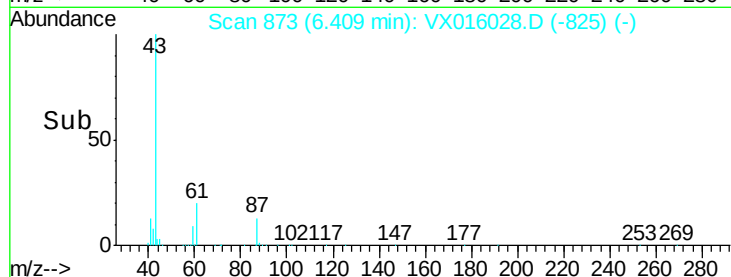
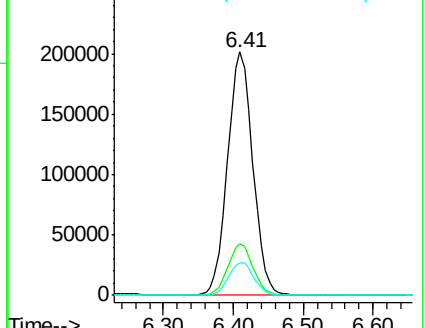
87 13.6 10.9 16.3



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: 54.586 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016028.D

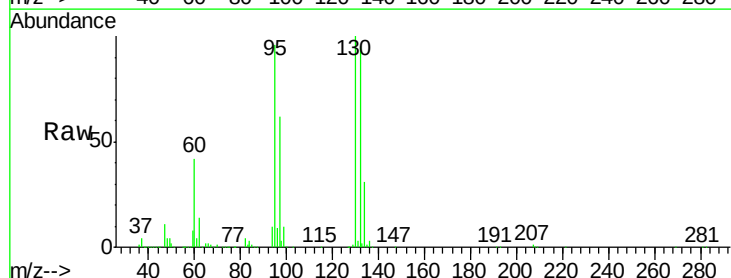
Acq: 04 May 2020 10:42

Tgt Ion: 130 Resp: 289377

Ion Ratio Lower Upper

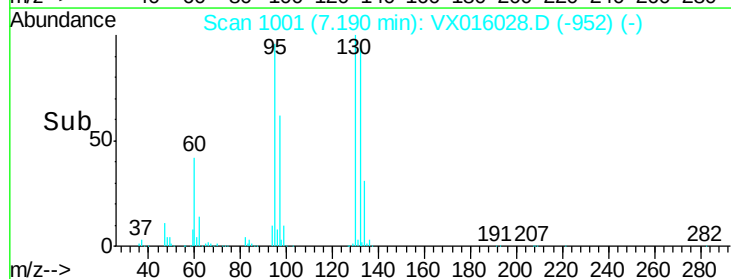
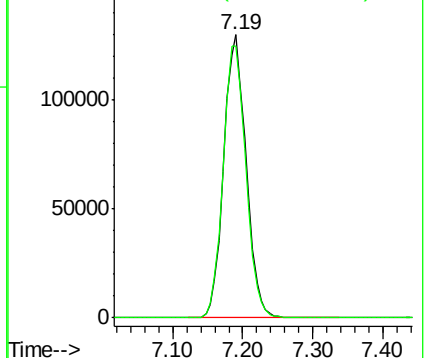
130 100

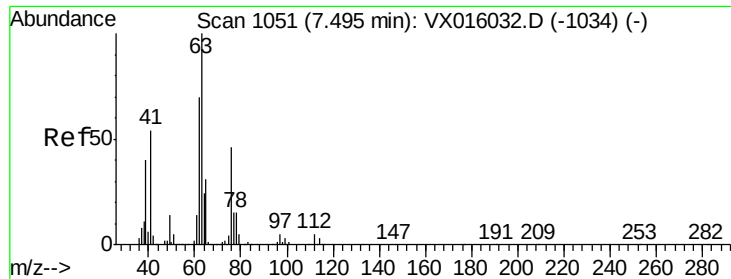
95 96.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 52.946 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

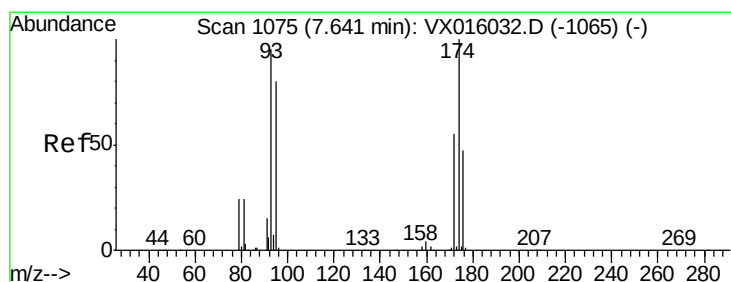
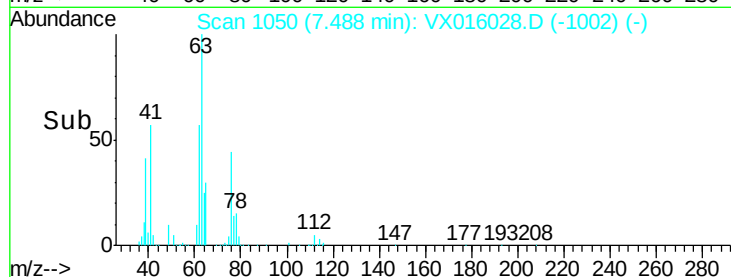
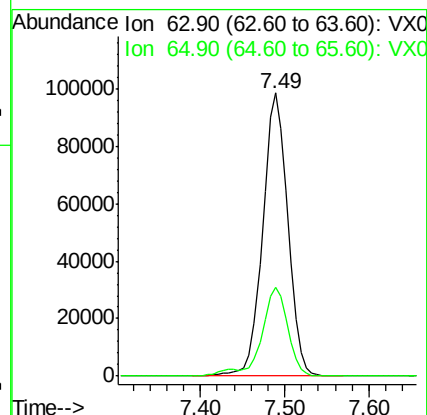
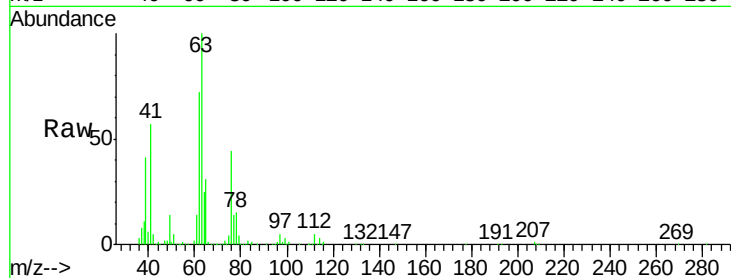
VSTDCCC050

Tot Ion: 63 Resp: 201252

Ion Ratio Lower Upper

63 100

65 31.2 24.3 36.5



#46

Dibromomethane

Concen: 49.659 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

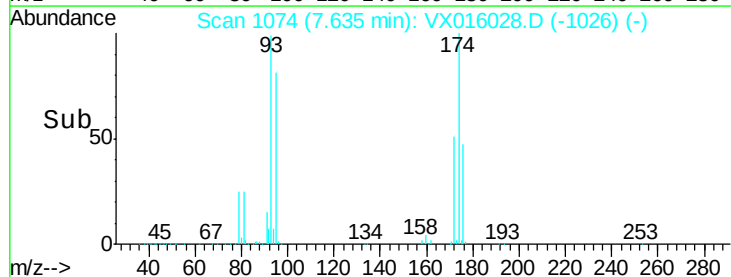
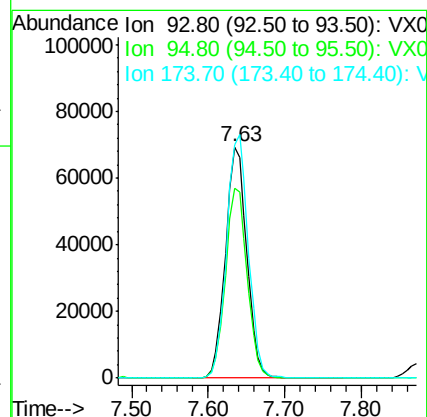
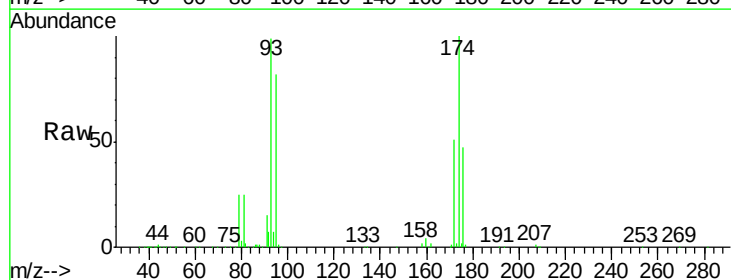
Tgt Ion: 93 Resp: 134125

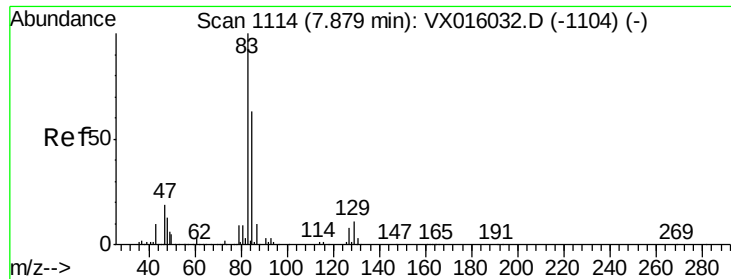
Ion Ratio Lower Upper

93 100

95 83.1 65.5 98.3

174 106.6 82.7 124.1





#47

Bromodichloromethane

Concen: 52.020 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

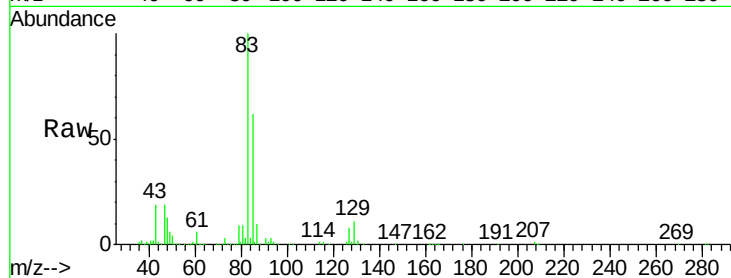
Tot Ion: 83 Resp: 279208

Ion Ratio Lower Upper

83 100

85 61.8 50.6 75.8

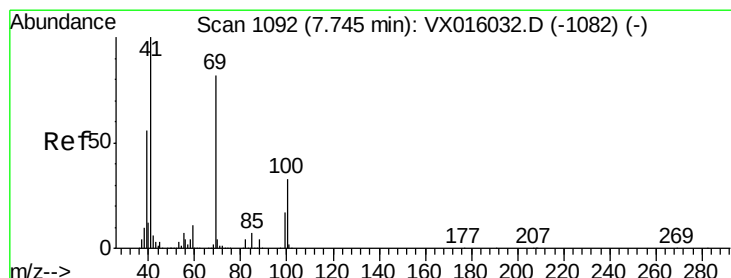
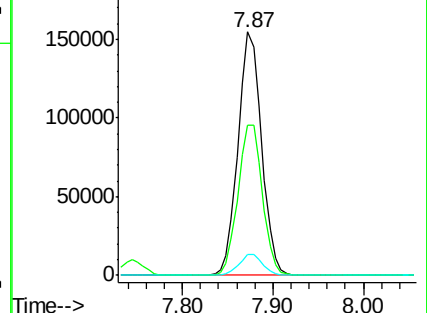
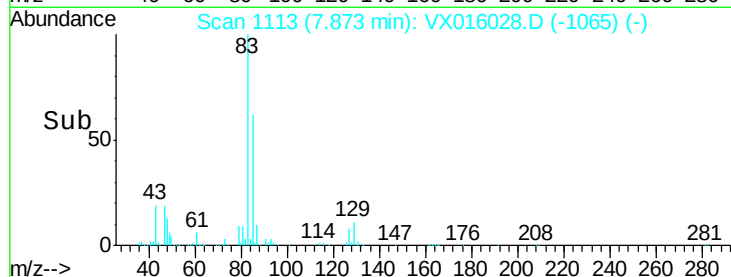
127 8.4 6.7 10.1



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: 52.803 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

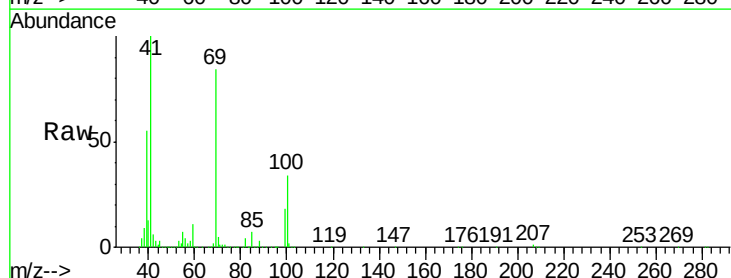
Tgt Ion: 41 Resp: 238622

Ion Ratio Lower Upper

41 100

69 84.5 66.0 99.0

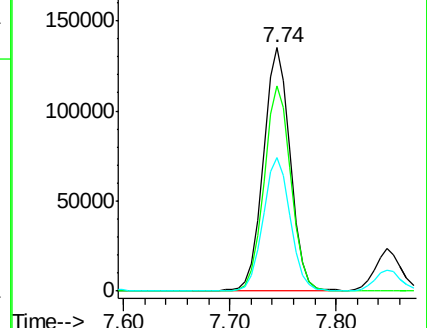
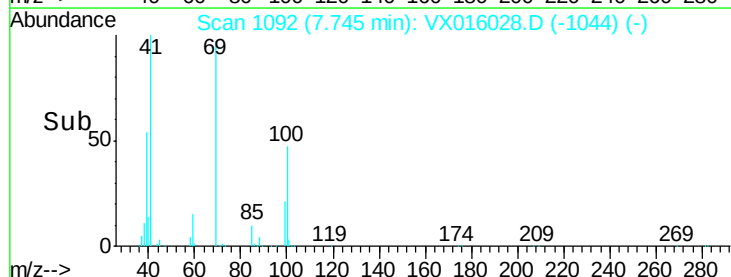
39 55.3 49.0 73.4

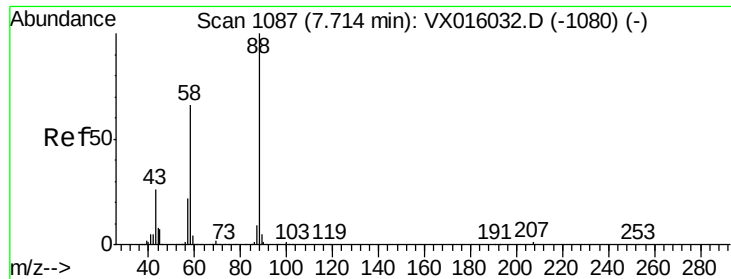


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1037.739 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

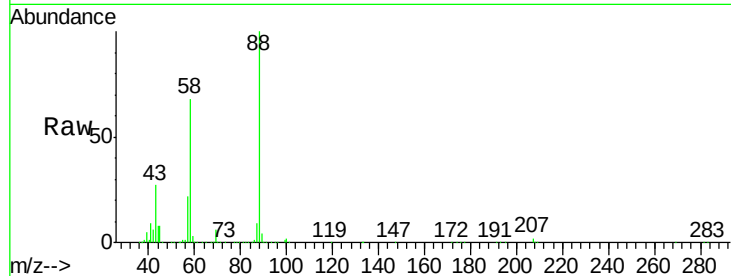
Tot Ion: 88 Resp: 110323

Ion Ratio Lower Upper

88 100

43 31.1 26.6 39.8

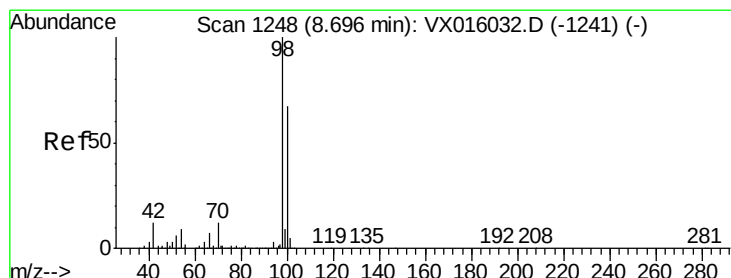
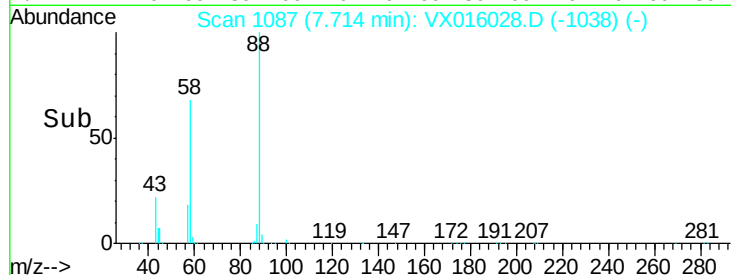
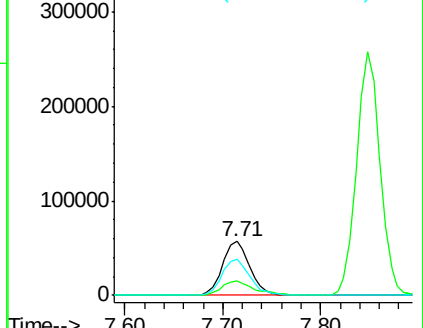
58 69.3 54.8 82.2



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: 48.801 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016028.D

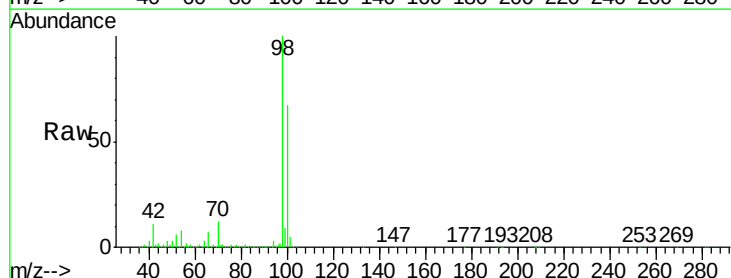
Acq: 04 May 2020 10:42

Tgt Ion: 98 Resp: 615999

Ion Ratio Lower Upper

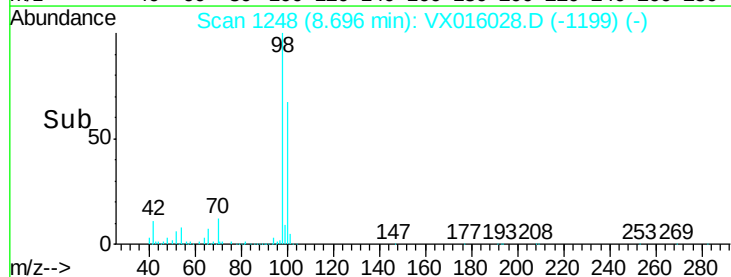
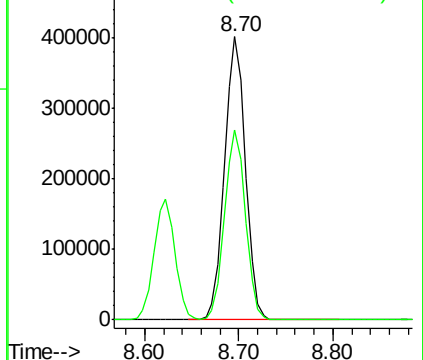
98 100

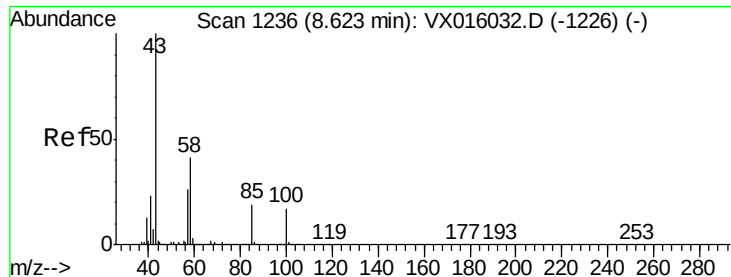
100 67.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 263.747 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

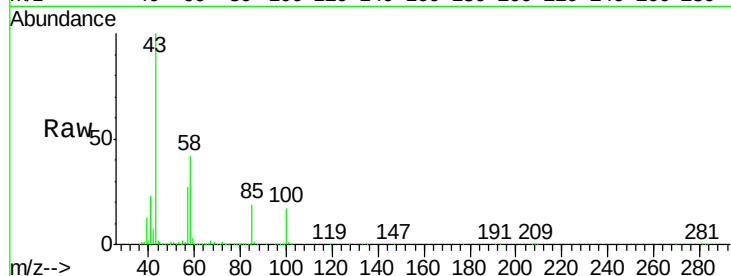
VSTDCCC050

Tot Ion: 43 Resp: 1565857

Ion Ratio Lower Upper

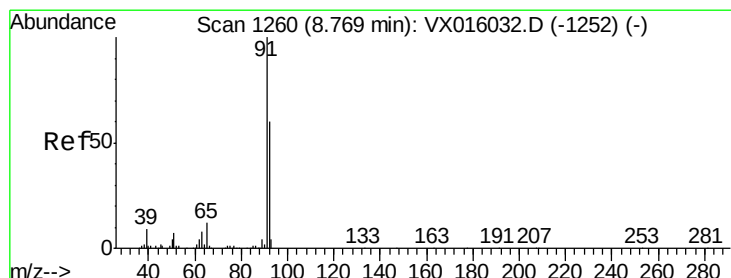
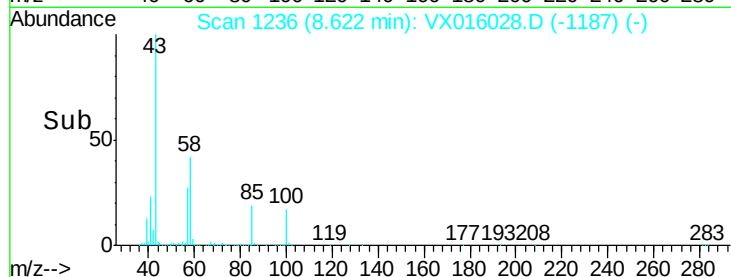
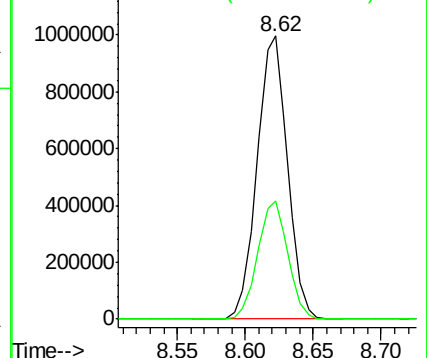
43 100

58 41.3 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.065 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016028.D

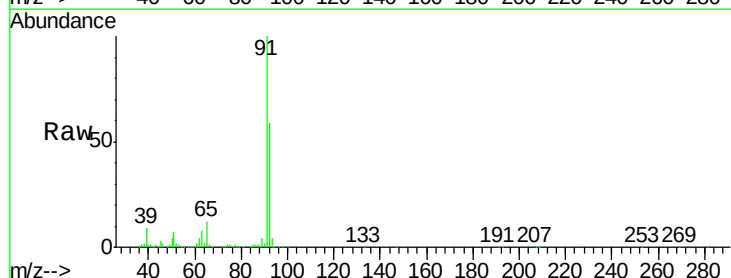
Acq: 04 May 2020 10:42

Tgt Ion: 92 Resp: 495410

Ion Ratio Lower Upper

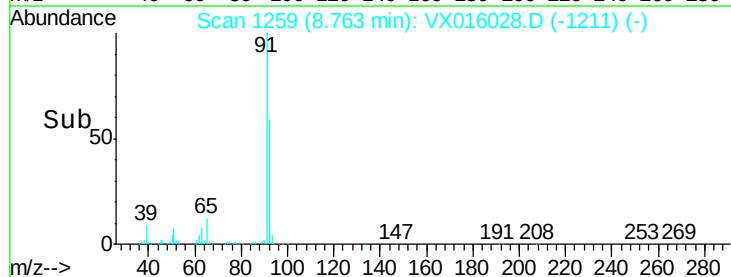
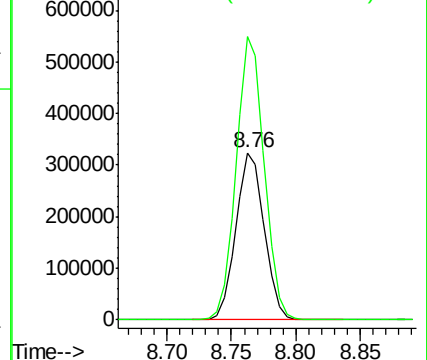
92 100

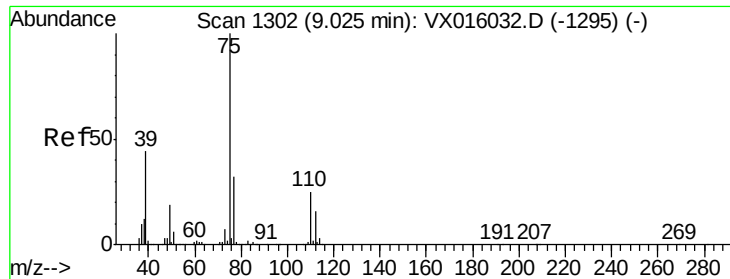
91 167.9 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.253 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

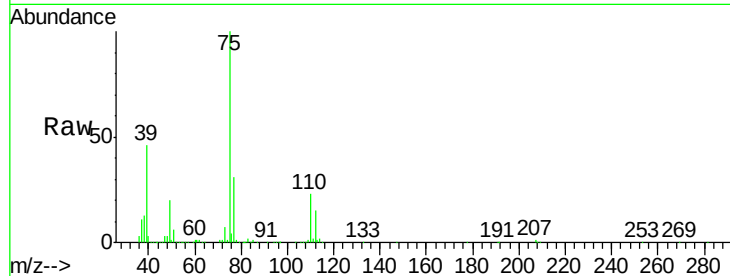
VSTDCCC050

Tot Ion: 75 Resp: 332774

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

250000

200000

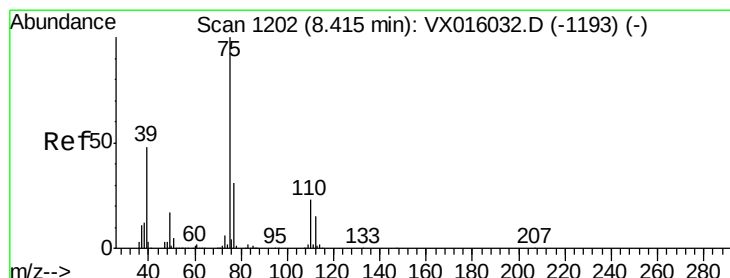
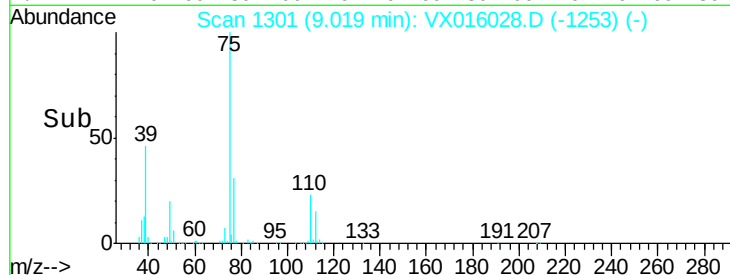
150000

100000

50000

0

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 52.852 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

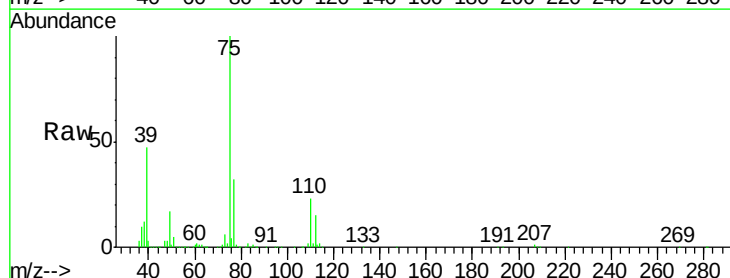
Tgt Ion: 75 Resp: 346177

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 46.8 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

300000

250000

200000

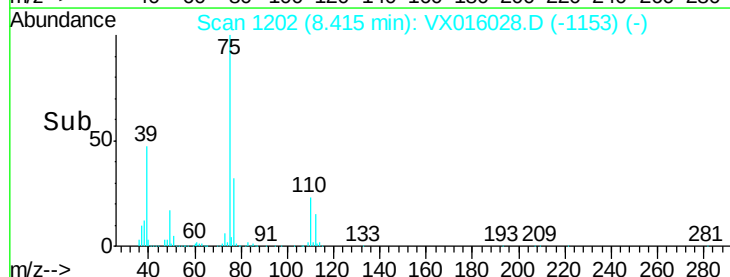
150000

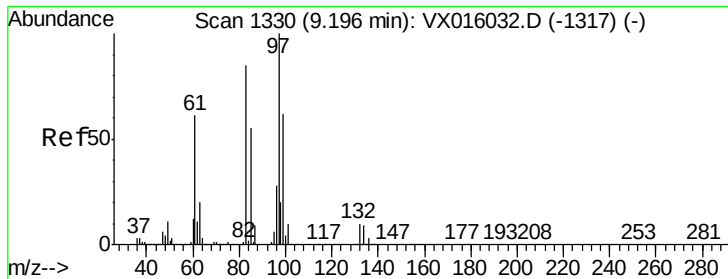
100000

50000

0

Time--> 8.30 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 52.328 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 195233

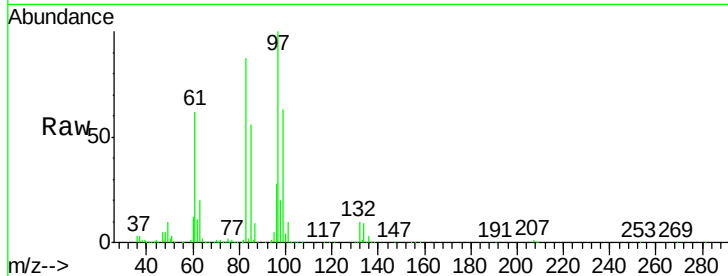
Ion Ratio Lower Upper

97 100

83 86.6 68.2 102.2

85 55.7 43.7 65.5

99 63.1 49.7 74.5



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

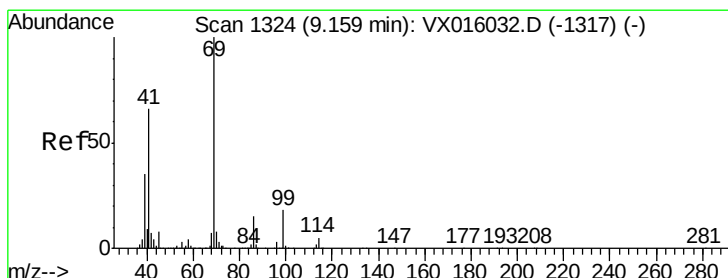
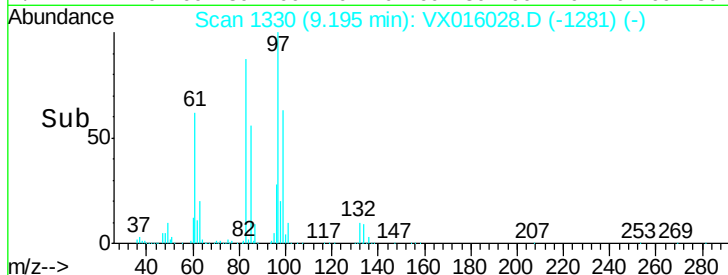
100000

50000

0

9.10 9.20 9.30

Time-->



#56

Ethyl methacrylate

Concen: 54.391 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

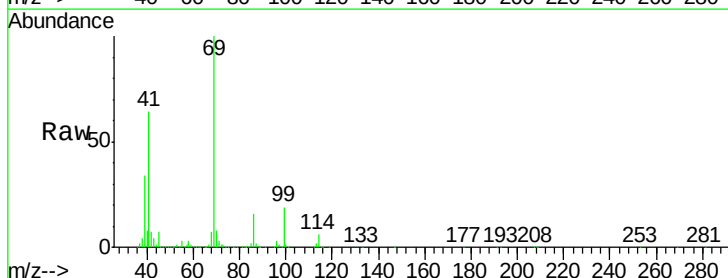
Tgt Ion: 69 Resp: 329966

Ion Ratio Lower Upper

69 100

41 64.9 53.5 80.3

39 34.9 33.4 50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

300000

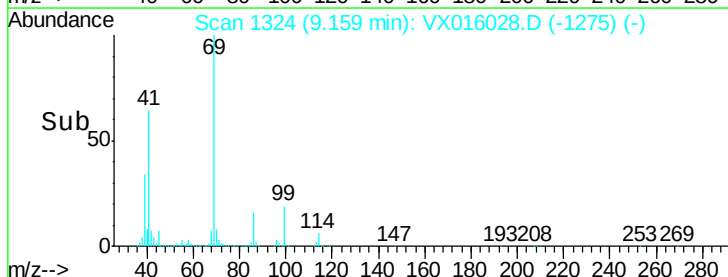
200000

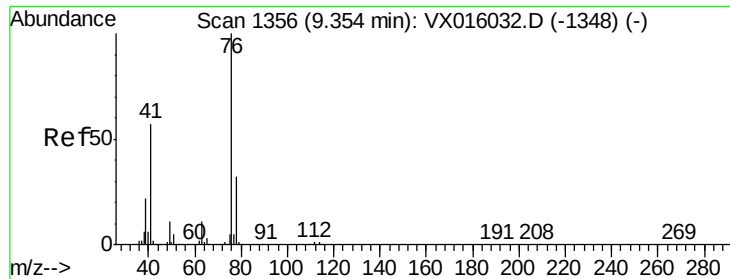
100000

0

9.05 9.10 9.15 9.20 9.25

Time-->

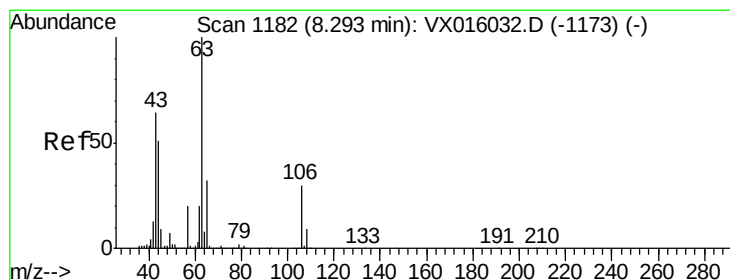
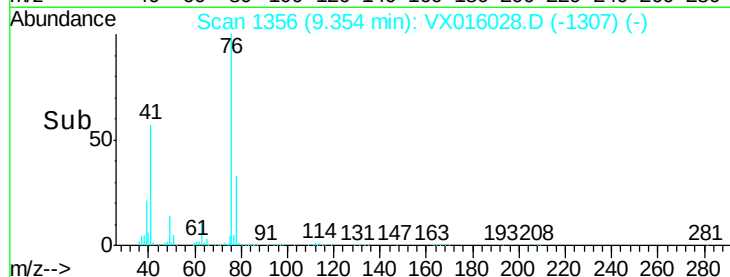
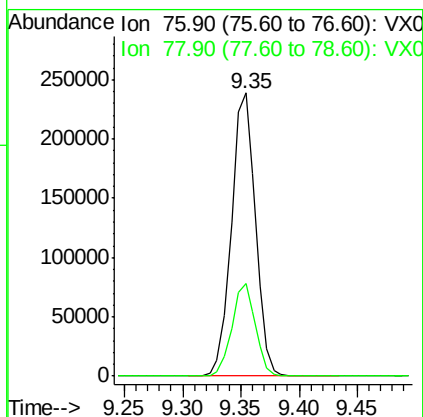
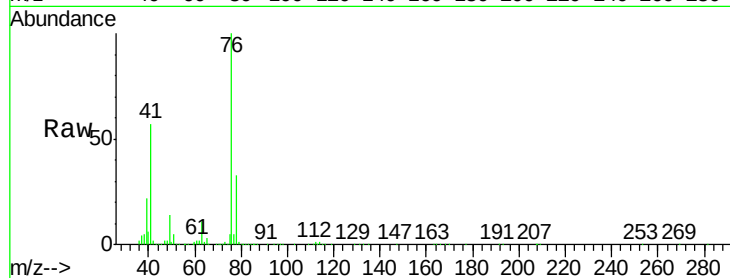




#57
 1,3-Dichloropropane
 Concen: 53.483 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

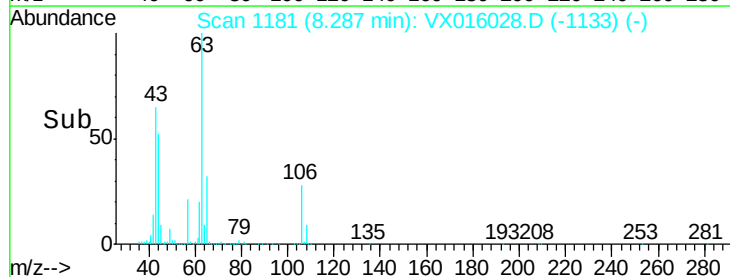
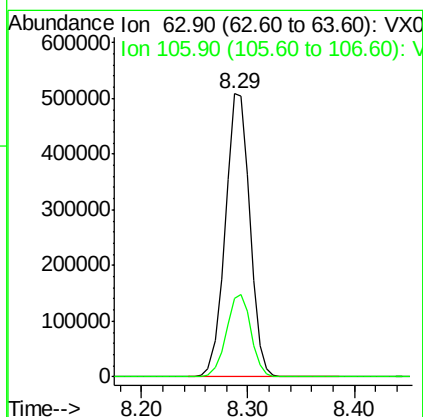
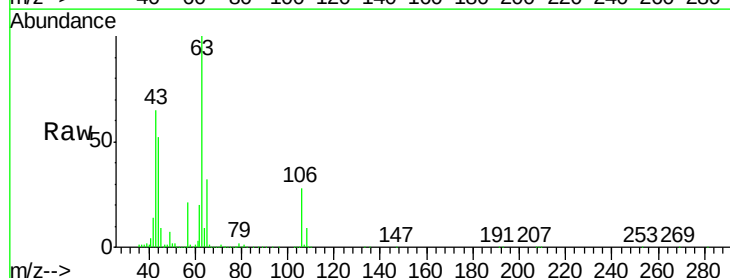
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

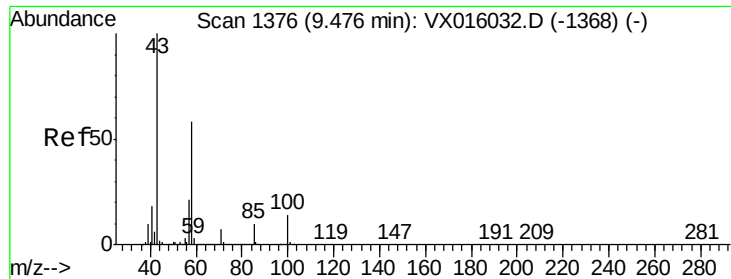
Tot Ion: 76 Resp: 342844
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.769 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

Tgt Ion: 63 Resp: 820642
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.6 35.4

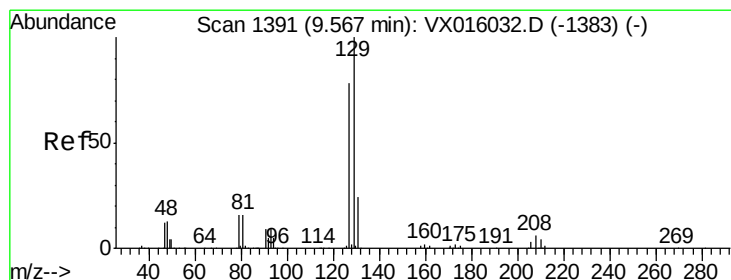
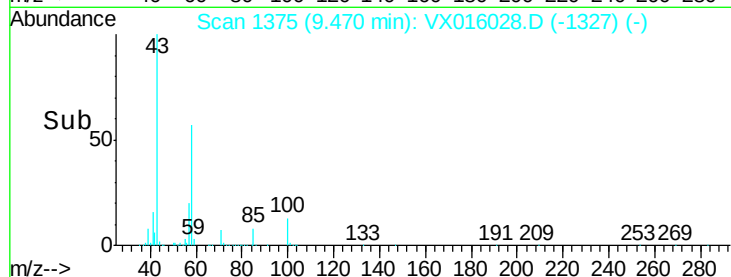
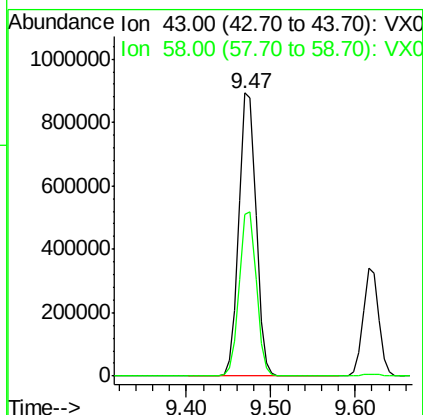
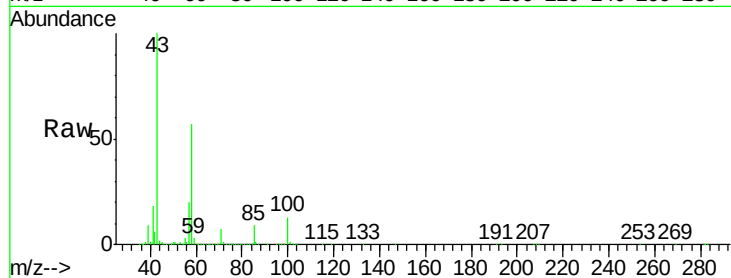




#59
2-Hexanone
Concen: 262.453 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

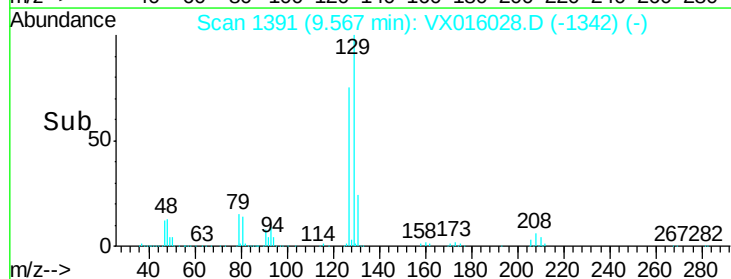
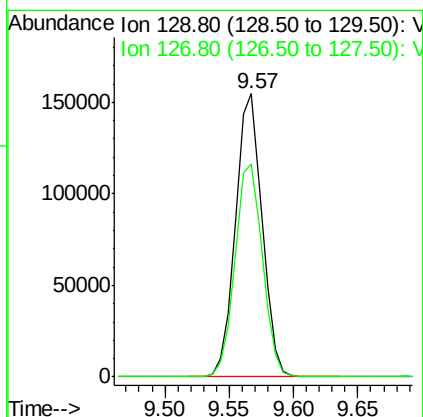
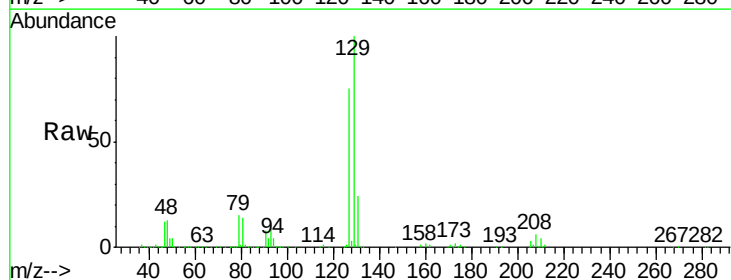
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

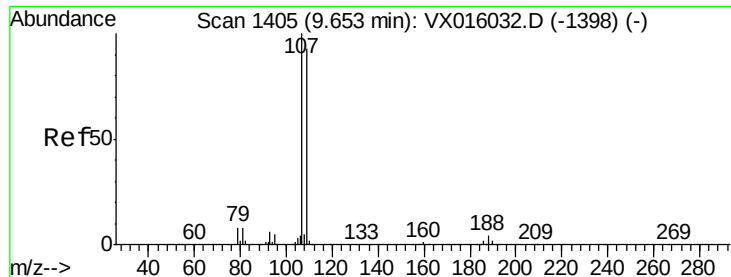
Tot Ion: 43 Resp: 1217722
Ion Ratio Lower Upper
43 100
58 57.5 27.7 83.1



#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 129 Resp: 222506
Ion Ratio Lower Upper
129 100
127 77.5 39.4 118.1





#61

1,2-Dibromoethane

Concen: 52.360 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

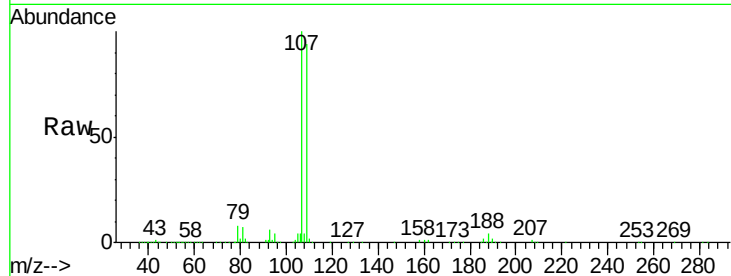
VSTDCCC050

Tot Ion:107 Resp: 211835

Ion Ratio Lower Upper

107 100

109 94.5 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

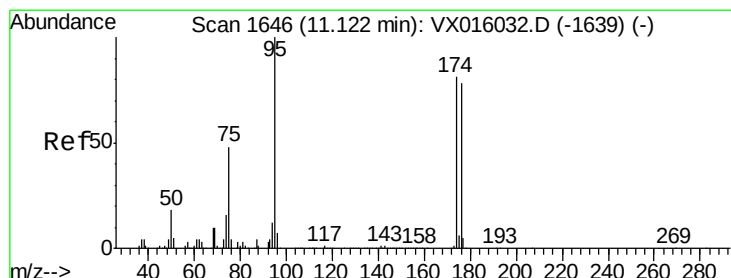
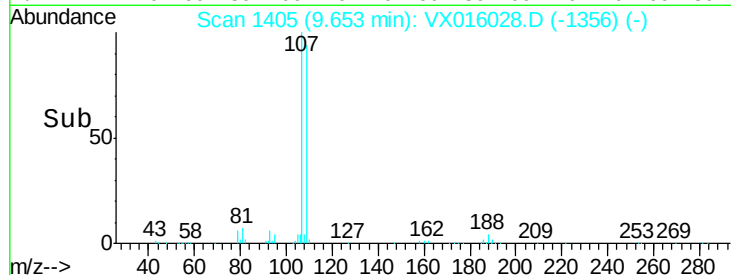
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.523 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

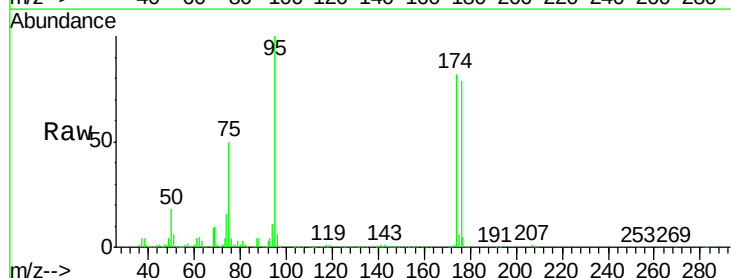
Tgt Ion: 95 Resp: 235281

Ion Ratio Lower Upper

95 100

174 81.0 0.0 165.0

176 80.3 0.0 163.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

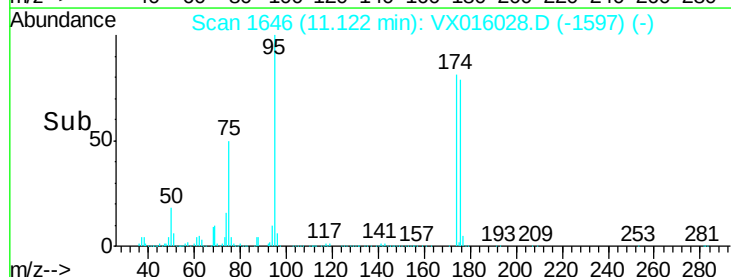
150000

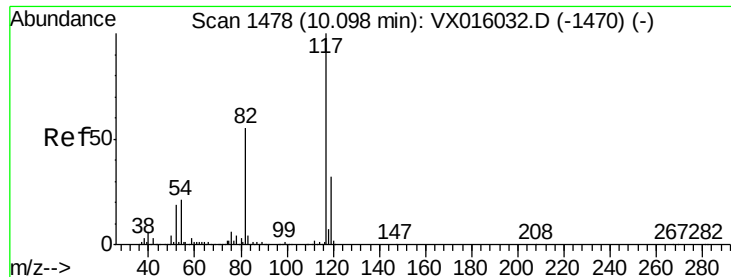
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

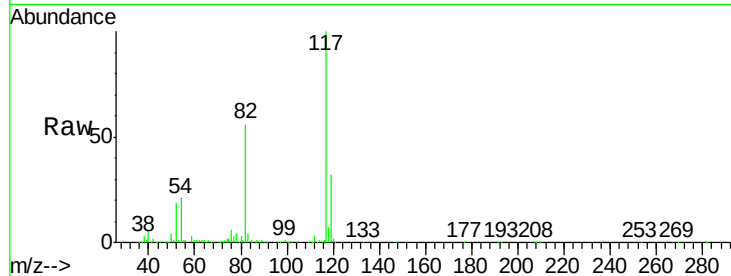
Tot Ion:117 Resp: 498082

Ion Ratio Lower Upper

117 100

82 56.5 44.5 66.7

119 32.3 25.0 37.6



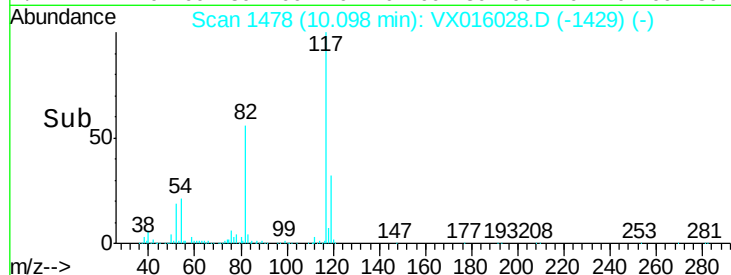
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

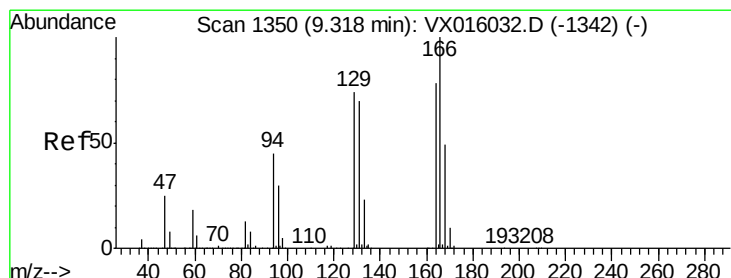
Ion 118.90 (118.60 to 119.60): V

10.10

Time-->



Time-->



#64

Tetrachloroethene

Concen: 52.936 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Tgt Ion:164 Resp: 312783

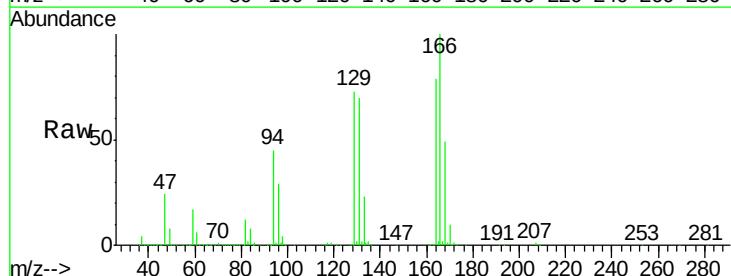
Ion Ratio Lower Upper

164 100

166 126.4 101.0 151.4

129 92.6 77.4 116.0

131 88.7 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V

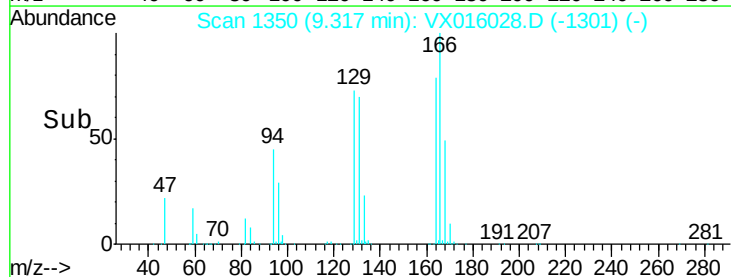
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

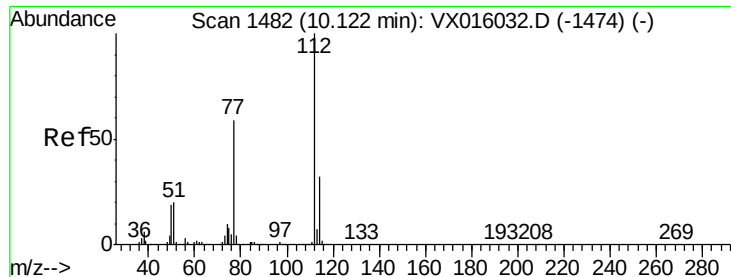
Ion 130.80 (130.50 to 131.50): V

9.32

Time-->



Time-->



#65

Chlorobenzene

Concen: 52.152 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

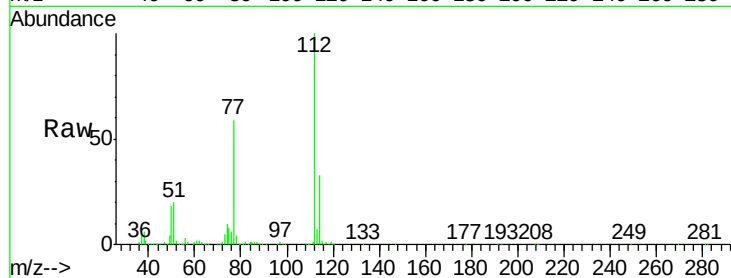
VSTDCCC050

Tot Ion:112 Resp: 529068

Ion Ratio Lower Upper

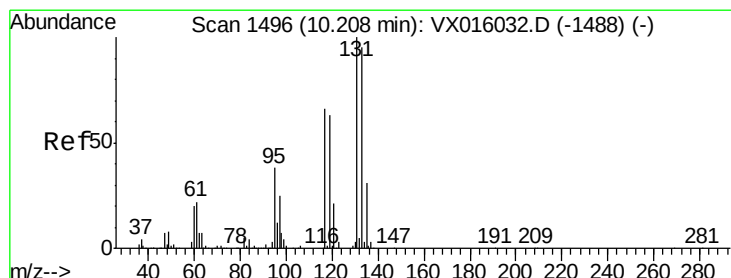
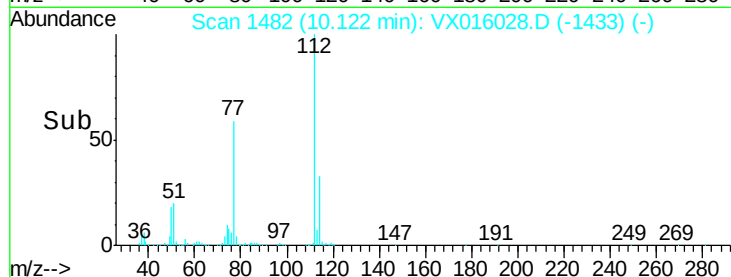
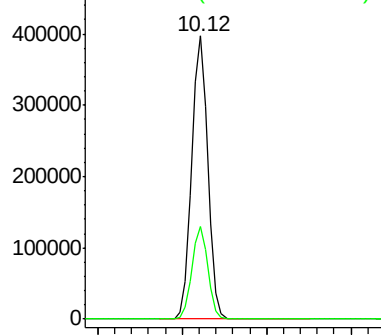
112 100

114 32.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.441 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

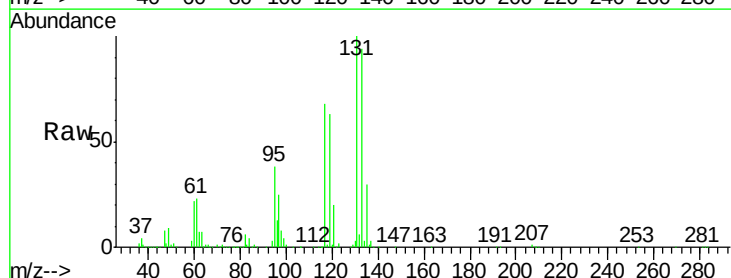
Tgt Ion:131 Resp: 201068

Ion Ratio Lower Upper

131 100

133 95.0 48.3 144.8

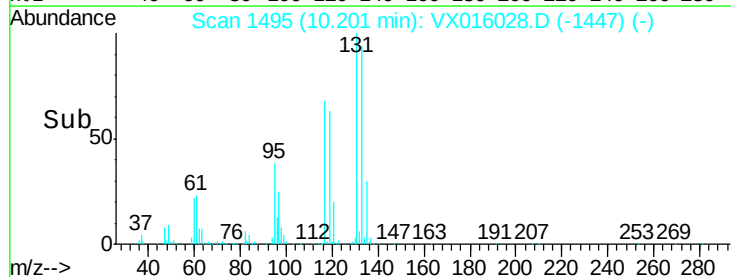
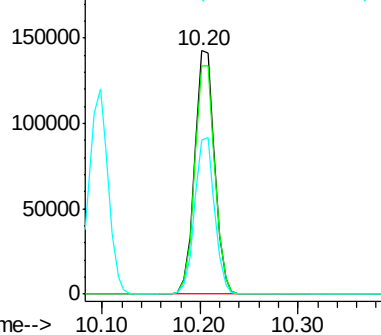
119 64.5 31.6 94.8

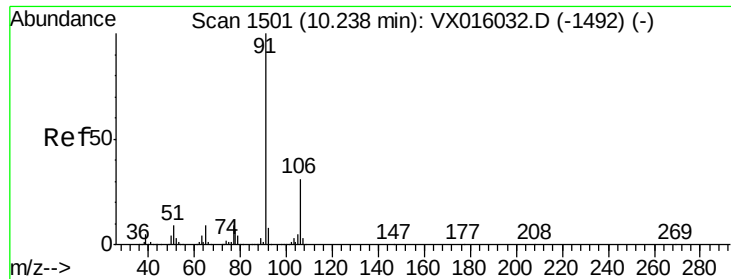


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

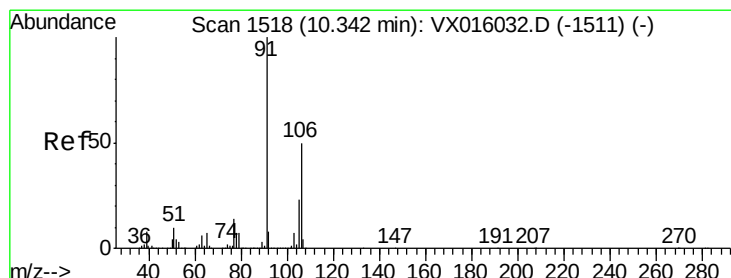
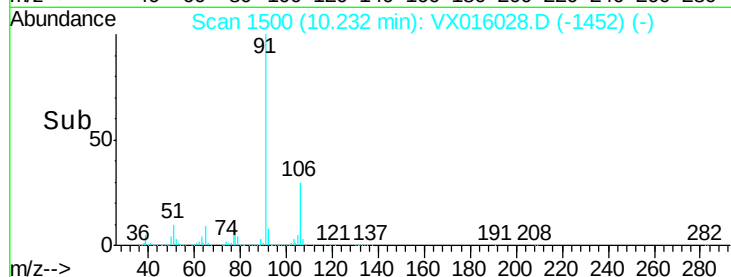
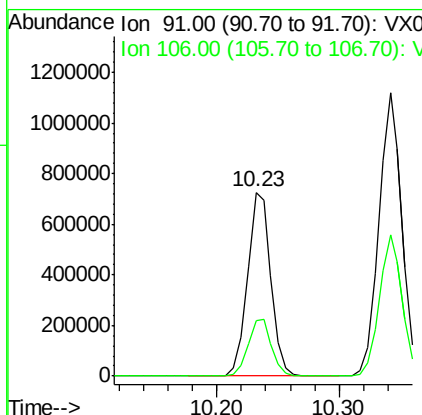
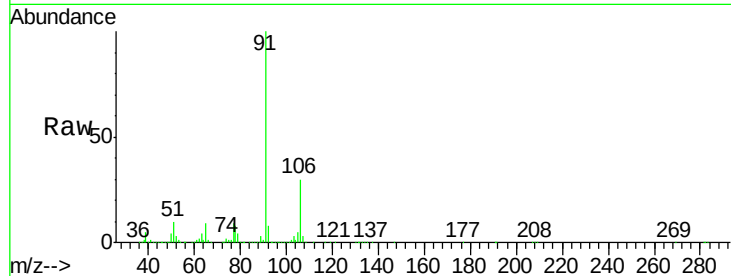




#67
Ethyl Benzene
Concen: 52.881 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

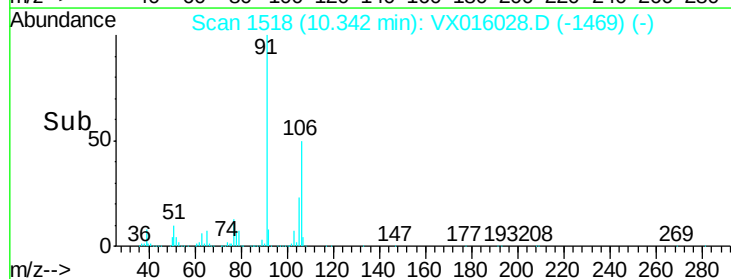
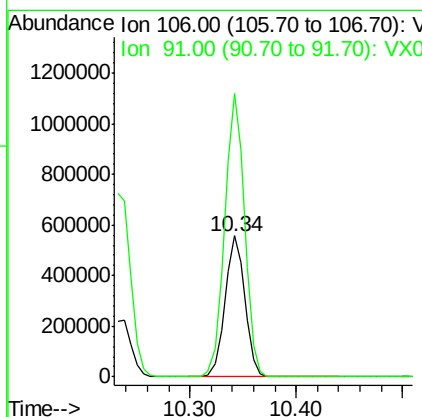
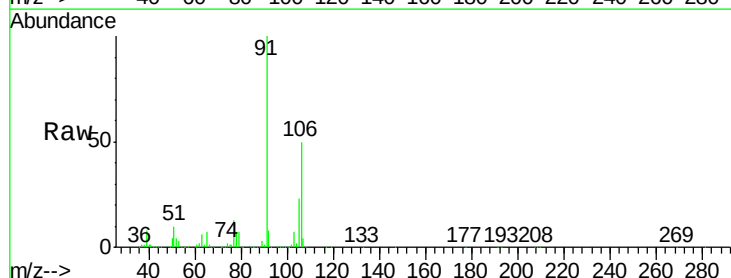
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

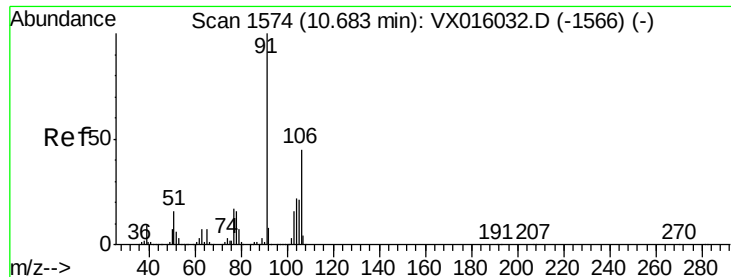
Tot Ion: 91 Resp: 955353
Ion Ratio Lower Upper
91 100
106 29.9 25.3 37.9



#68
m/p-Xylenes
Concen: 105.719 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 106 Resp: 724731
Ion Ratio Lower Upper
106 100
91 201.5 161.6 242.4

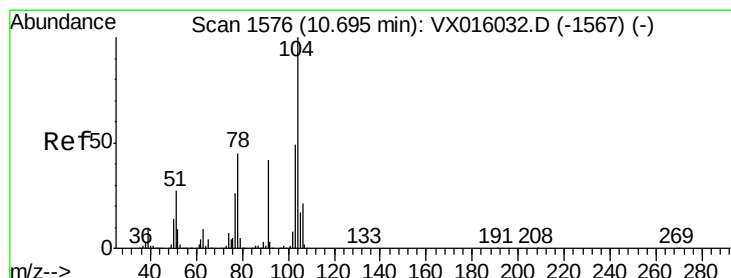
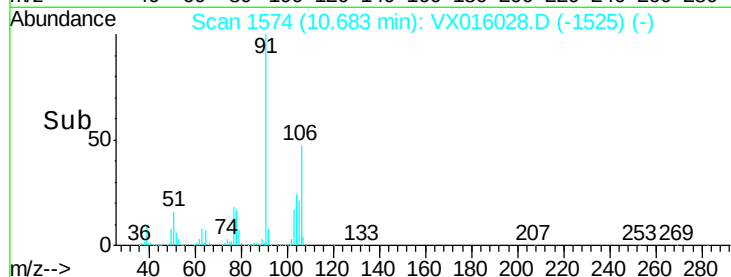
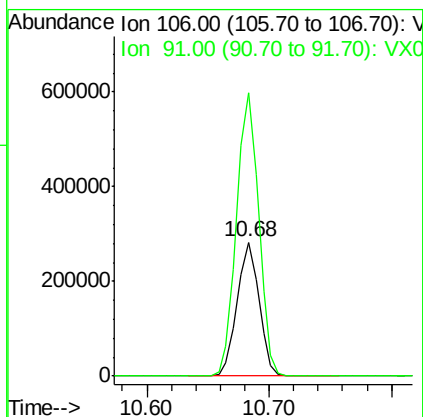
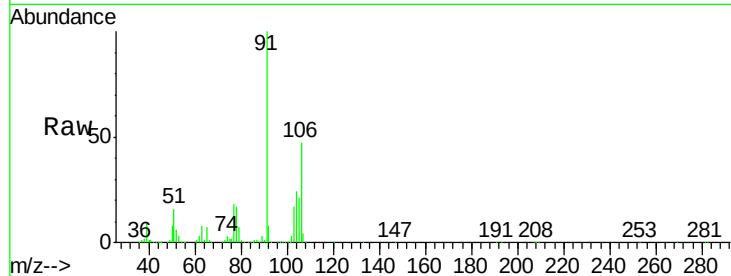




#69
o-Xylene
Concen: 53.686 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

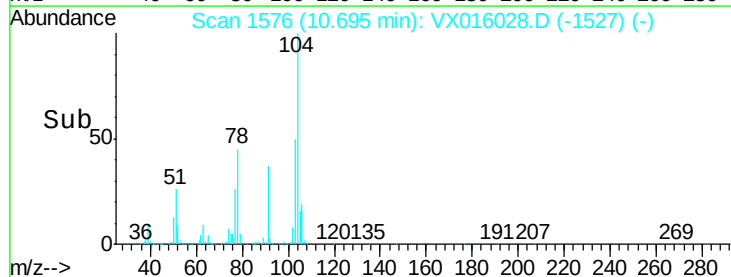
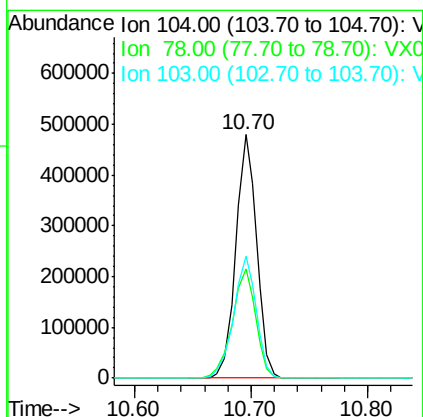
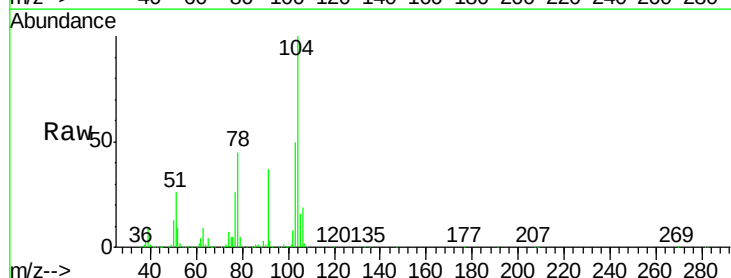
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

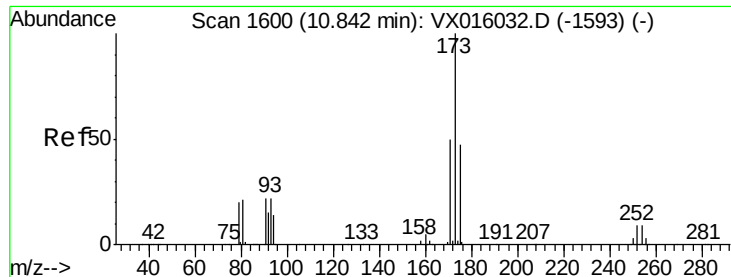
Tot Ion:106 Resp: 349421
Ion Ratio Lower Upper
106 100
91 213.8 106.1 318.3



#70
Styrene
Concen: 53.606 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion:104 Resp: 598667
Ion Ratio Lower Upper
104 100
78 50.2 41.0 61.4
103 54.4 43.4 65.2

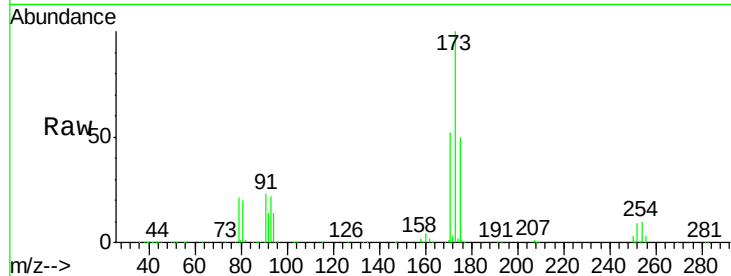




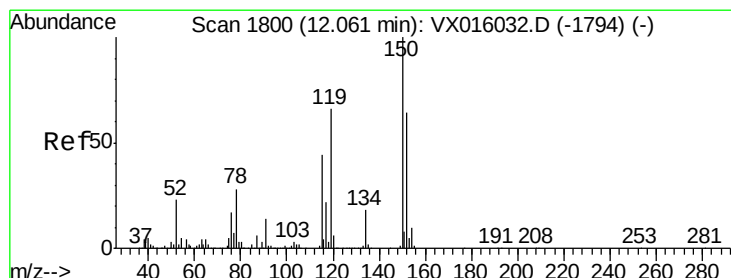
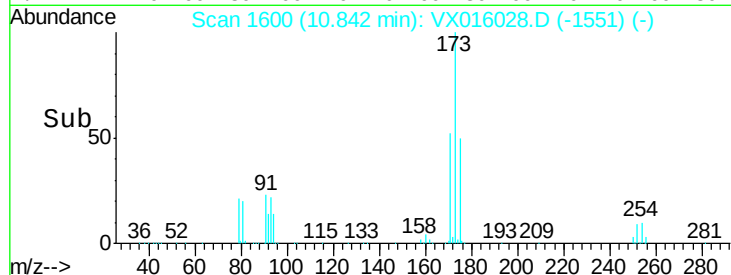
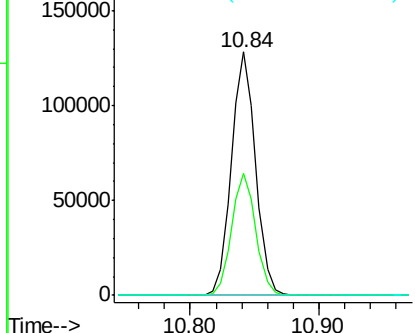
#71
Bromoform
Concen: 48.044 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 167340
Ion Ratio Lower Upper
173 100
175 50.0 24.1 72.4
254 0.2 0.1 0.1#

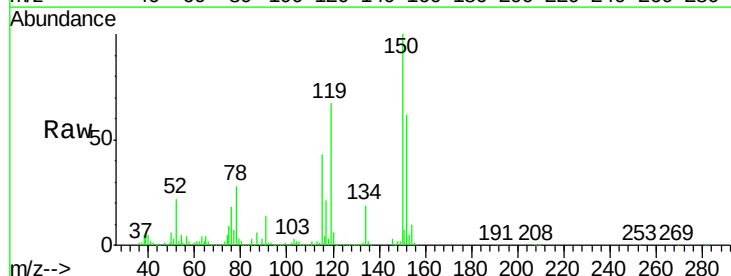


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

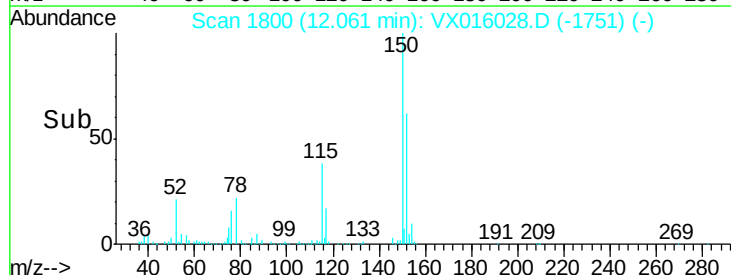
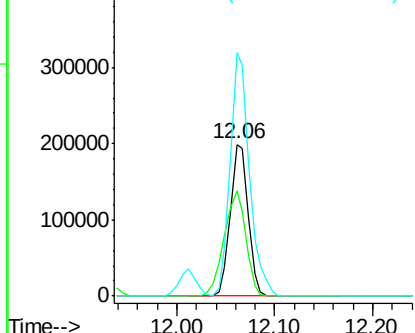


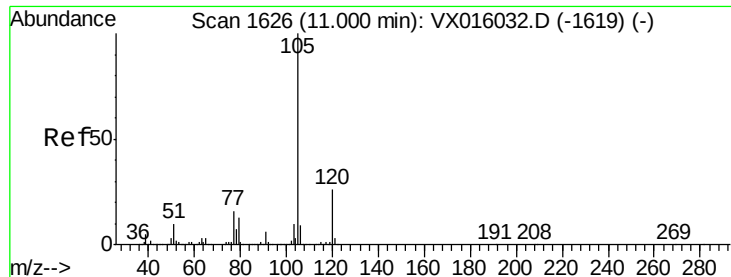
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion:152 Resp: 251709
Ion Ratio Lower Upper
152 100
115 83.9 40.9 122.7
150 173.5 0.0 342.4



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





#73

Isopropylbenzene

Concen: 54.582 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

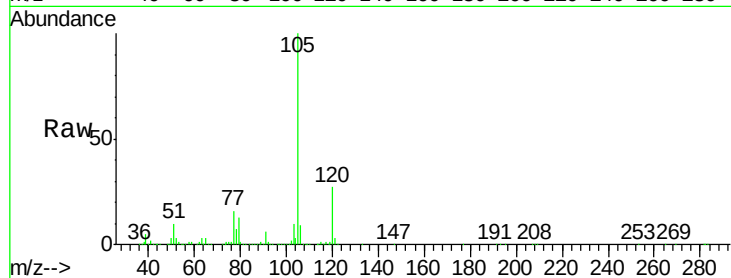
VSTDCCC050

Tot Ion:105 Resp: 934617

Ion Ratio Lower Upper

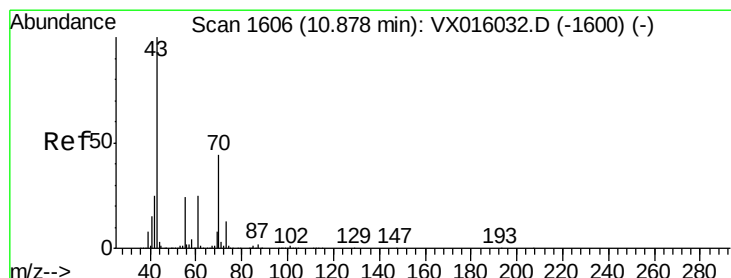
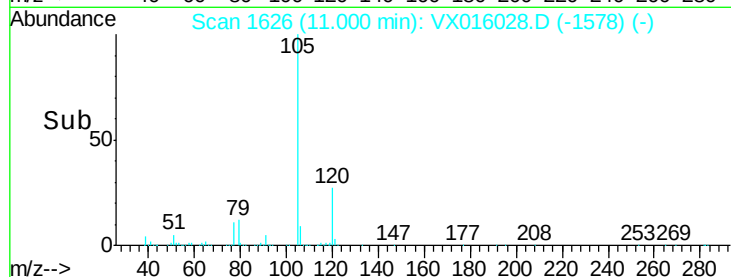
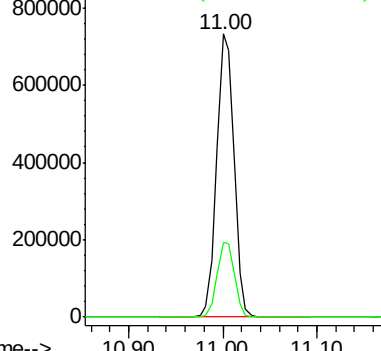
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.629 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Tgt Ion: 43 Resp: 434633

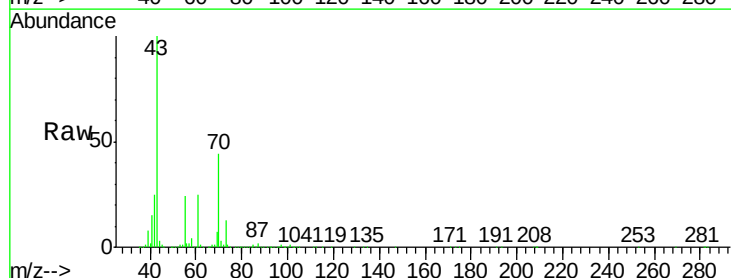
Ion Ratio Lower Upper

43 100

70 45.3 34.5 51.7

55 24.6 18.6 28.0

61 25.9 19.8 29.6

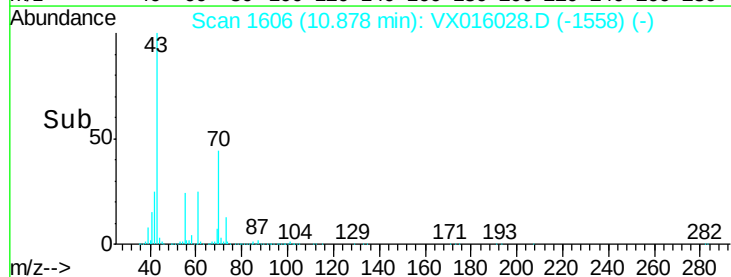
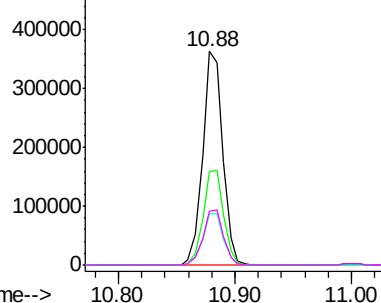


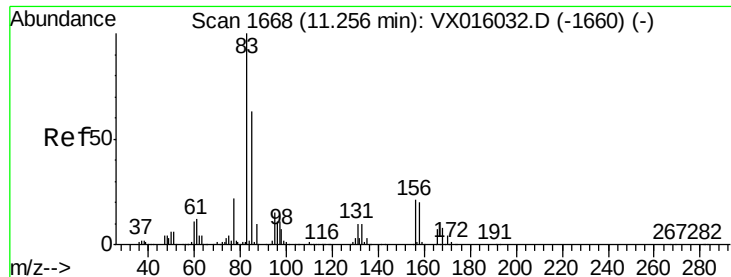
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 37.513 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

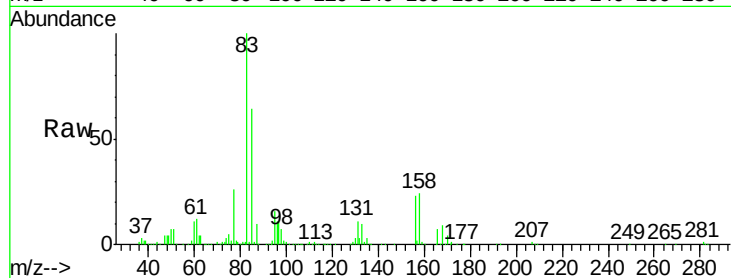
Tot Ion: 83 Resp: 145136

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

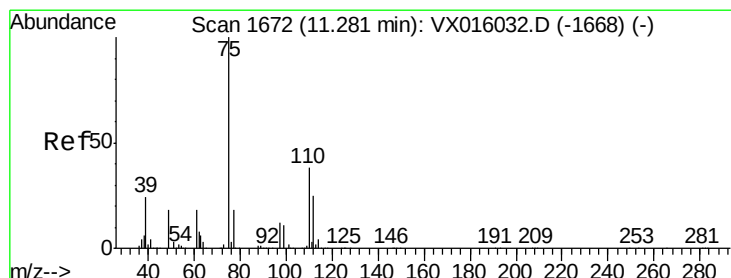
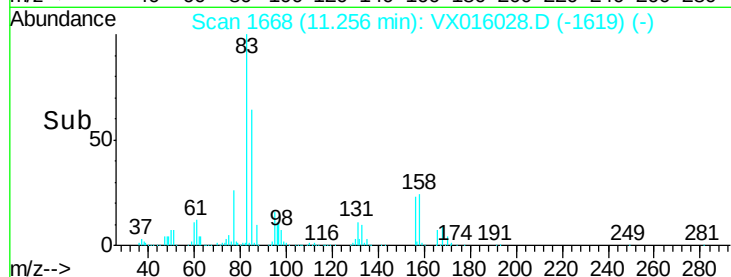
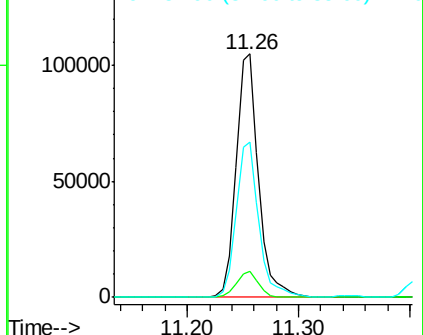
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 74.462 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016028.D

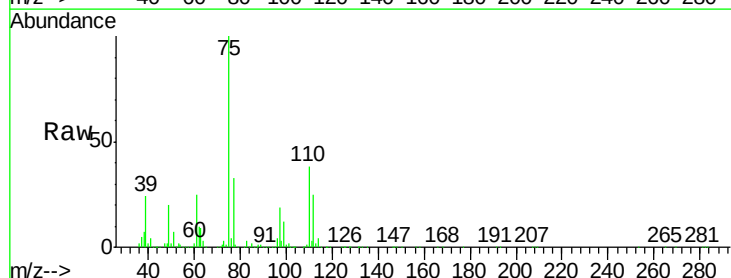
Acq: 04 May 2020 10:42

Tgt Ion: 75 Resp: 393287

Ion Ratio Lower Upper

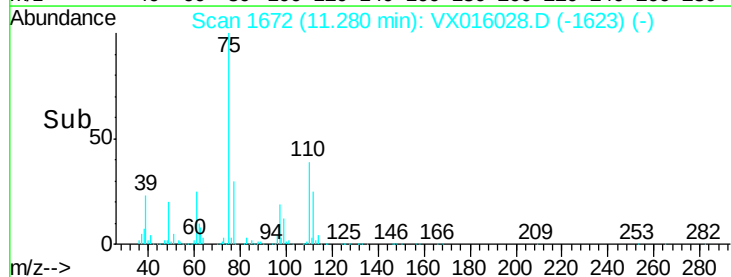
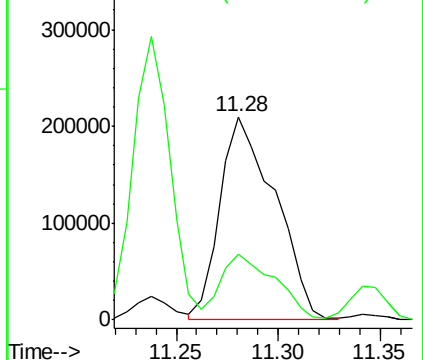
75 100

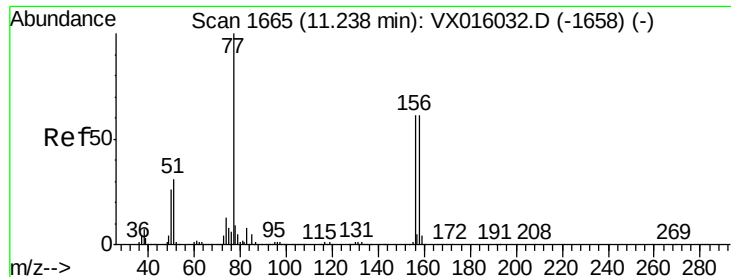
77 31.7 21.6 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.732 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

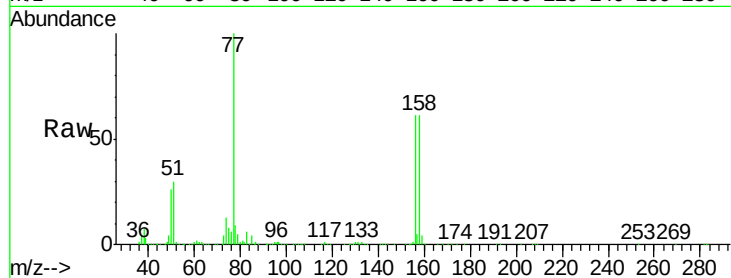
Tot Ion:156 Resp: 232425

Ion Ratio Lower Upper

156 100

77 160.0 78.3 234.8

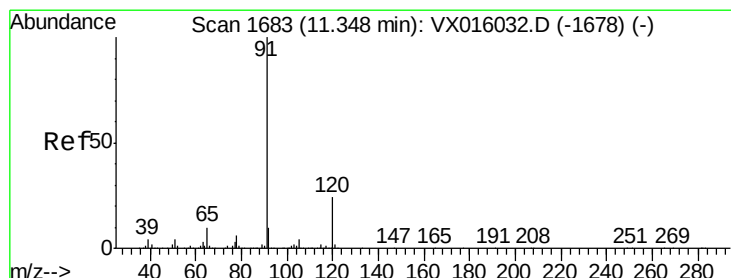
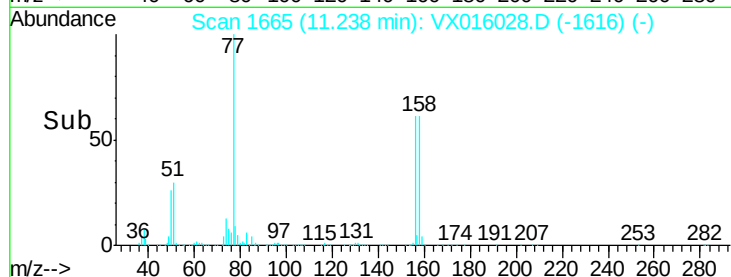
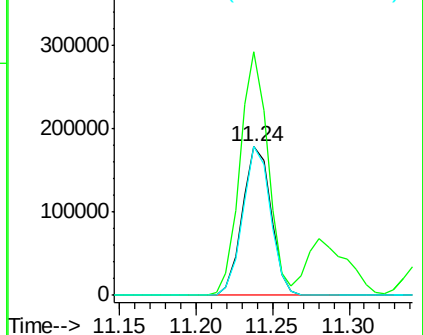
158 96.5 48.5 145.5



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: 55.046 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016028.D

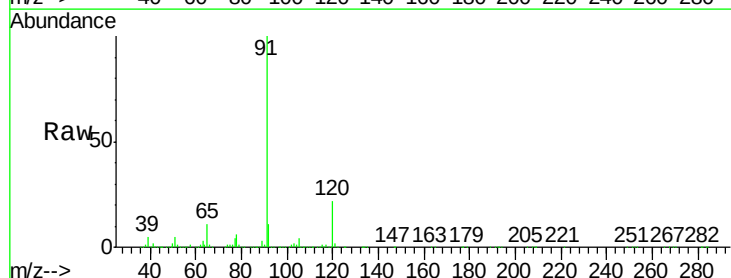
Acq: 04 May 2020 10:42

Tgt Ion: 91 Resp: 1084297

Ion Ratio Lower Upper

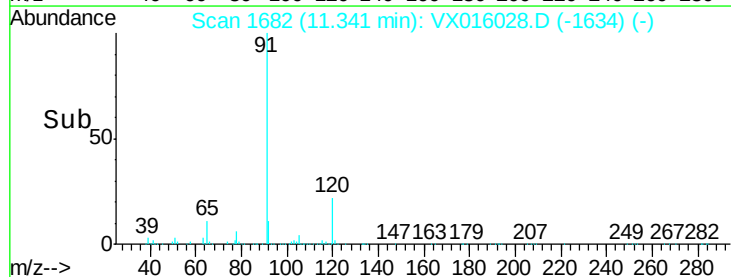
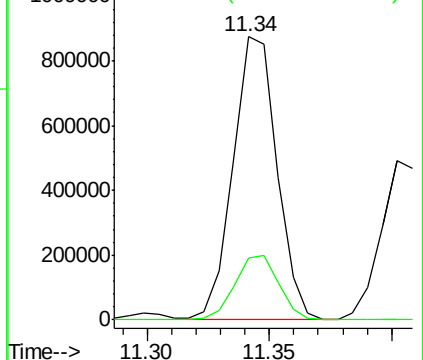
91 100

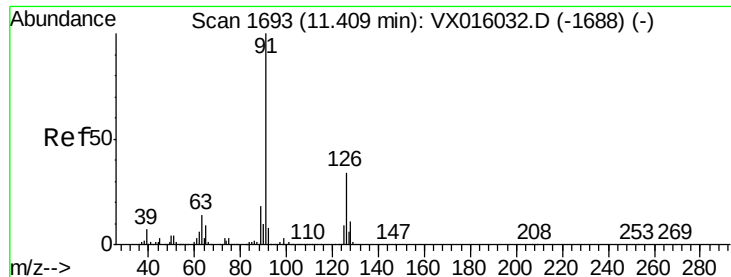
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.985 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

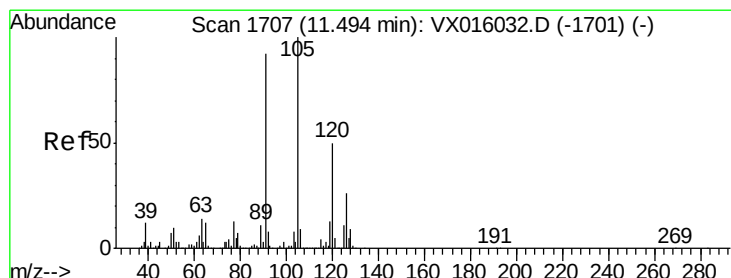
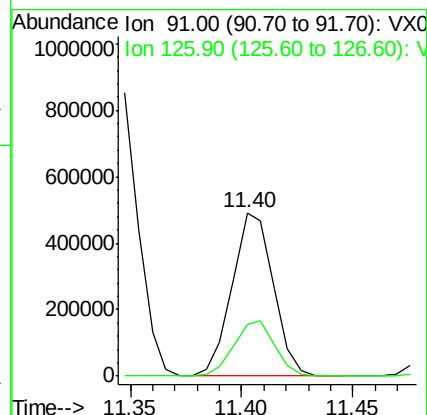
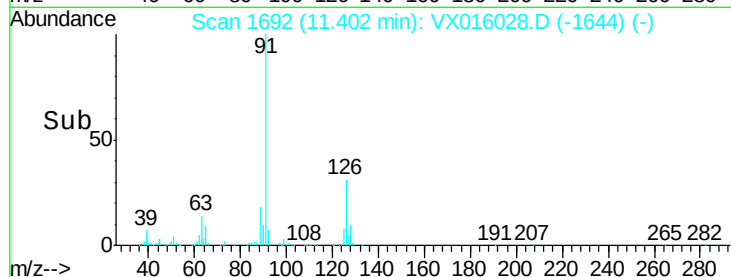
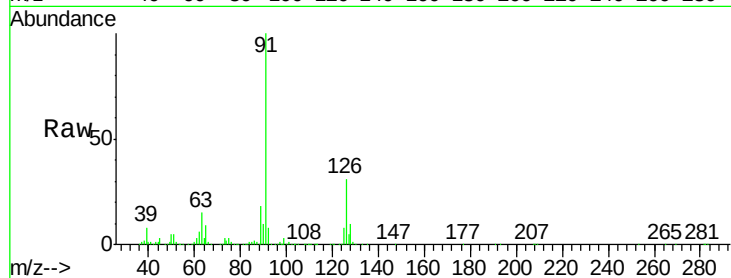
VSTDCCC050

Tot Ion: 91 Resp: 633585

Ion Ratio Lower Upper

91 100

126 33.6 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 54.883 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016028.D

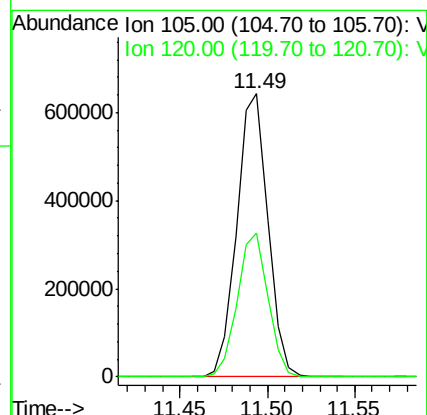
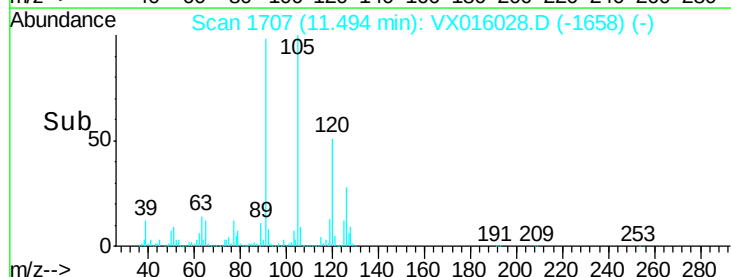
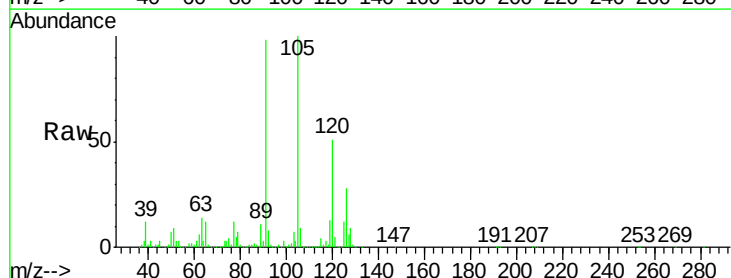
Acq: 04 May 2020 10:42

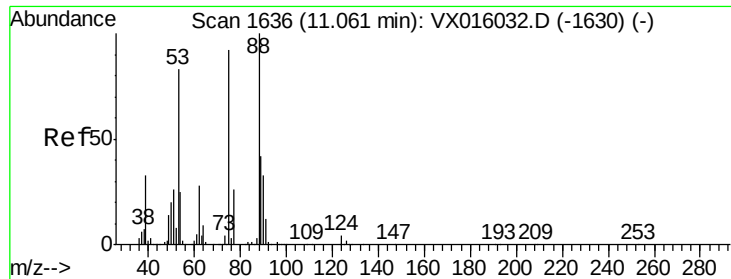
Tgt Ion: 105 Resp: 791640

Ion Ratio Lower Upper

105 100

120 50.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.909 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

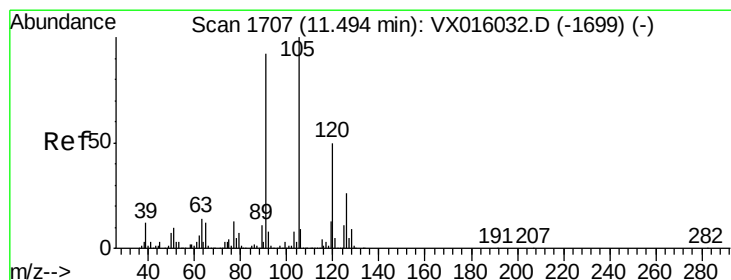
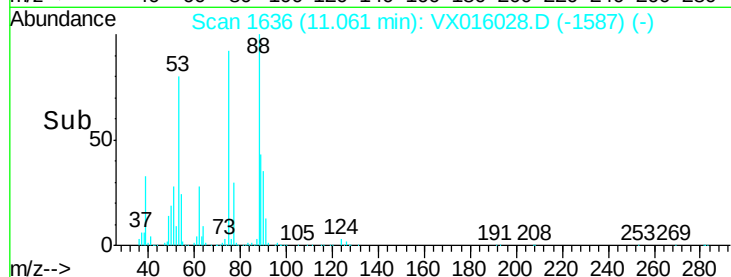
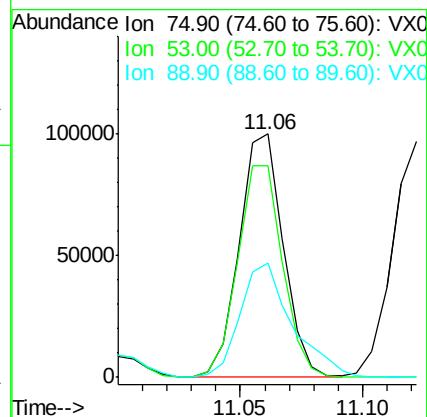
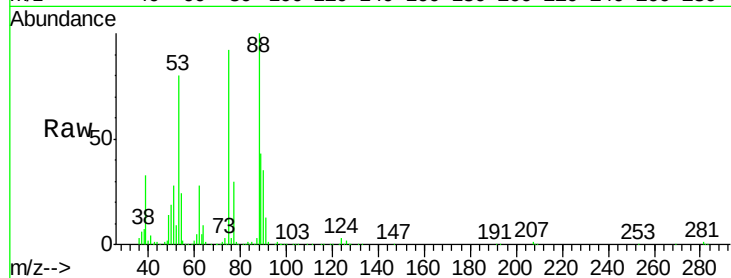
Tot Ion: 75 Resp: 124958

Ion Ratio Lower Upper

75 100

53 89.2 78.3 117.5

89 55.9 37.2 55.8#



#82

4-Chlorotoluene

Concen: 53.779 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016028.D

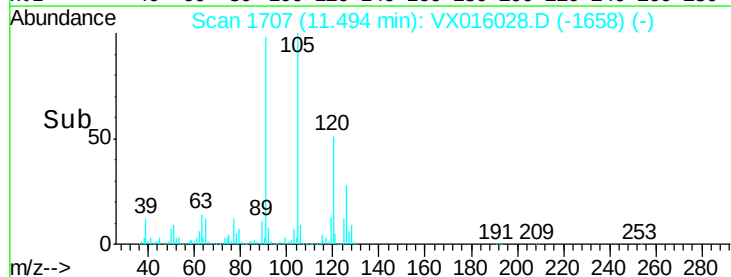
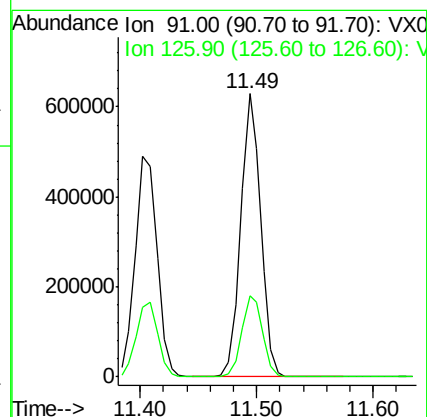
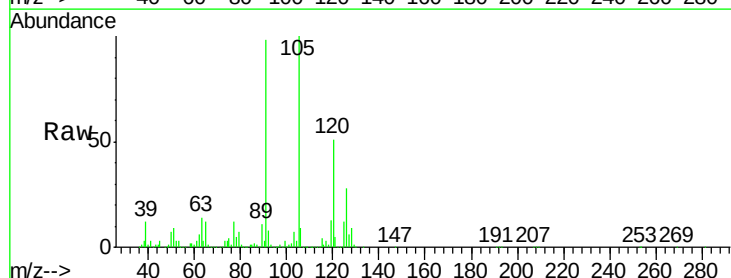
Acq: 04 May 2020 10:42

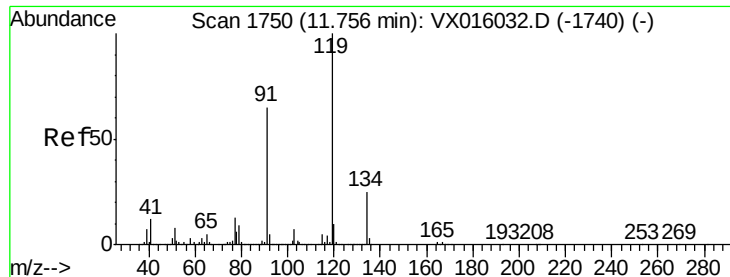
Tgt Ion: 91 Resp: 754885

Ion Ratio Lower Upper

91 100

126 29.6 14.8 44.3





#83

tert-Butylbenzene

Concen: 54.272 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

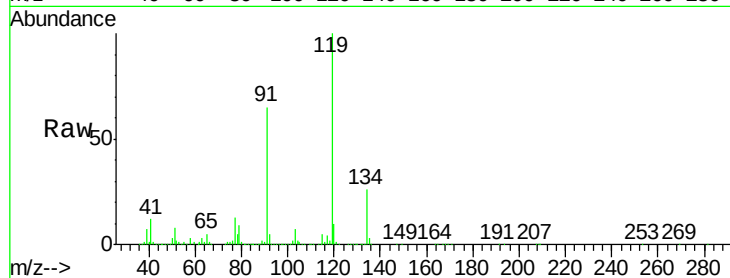
Tot Ion:119 Resp: 674987

Ion Ratio Lower Upper

119 100

91 65.8 33.5 100.4

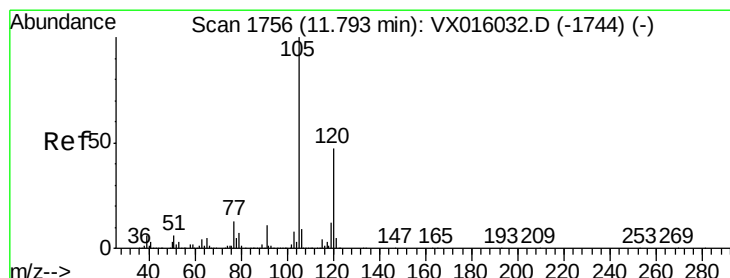
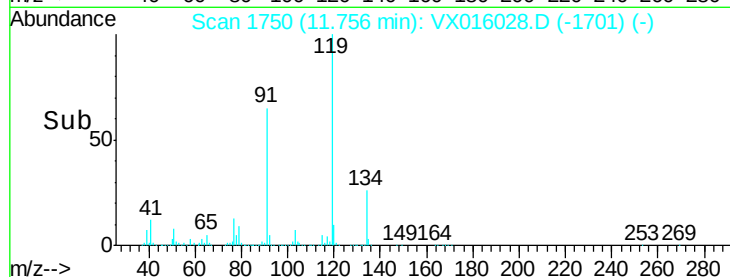
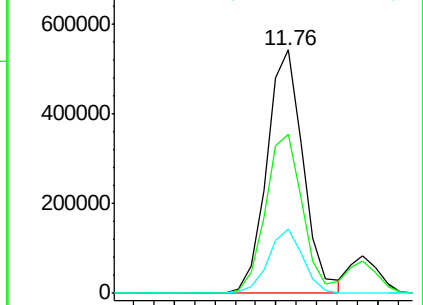
134 25.1 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.378 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016028.D

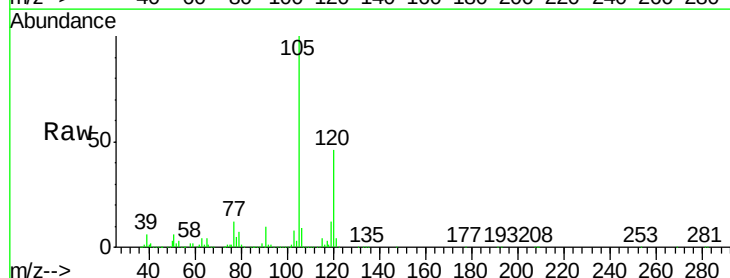
Acq: 04 May 2020 10:42

Tgt Ion:105 Resp: 803922

Ion Ratio Lower Upper

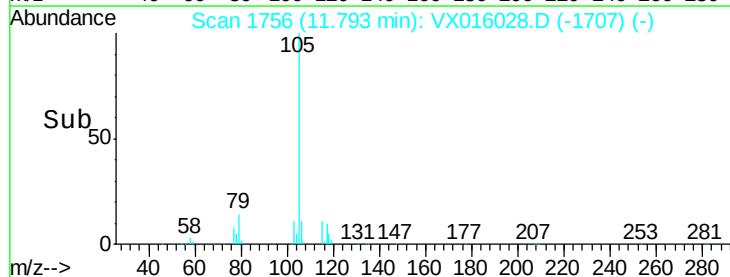
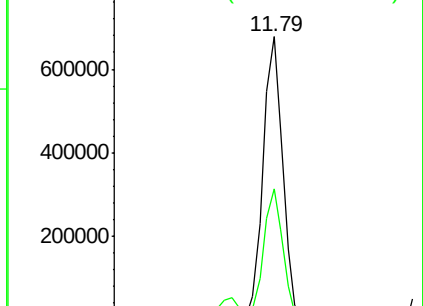
105 100

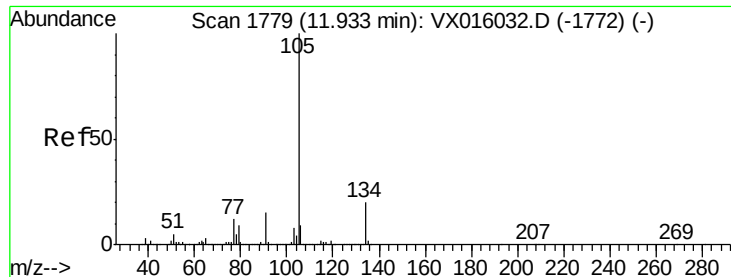
120 45.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.045 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

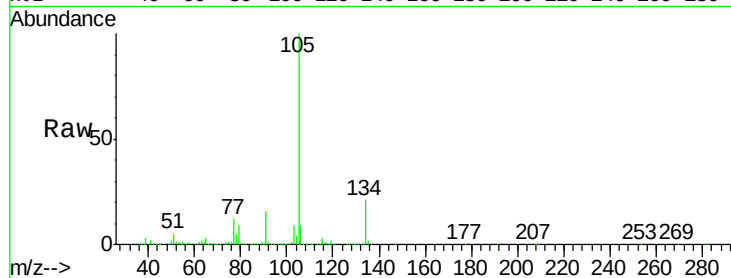
VSTDCCC050

Tot Ion:105 Resp: 922358

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

800000

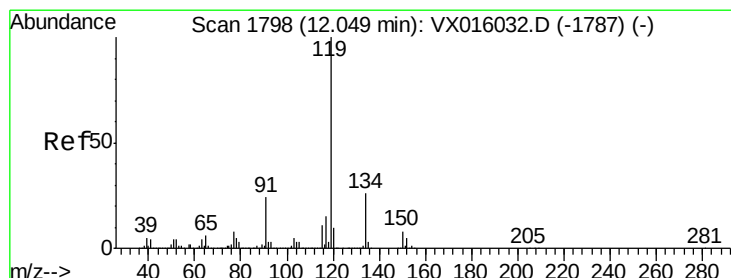
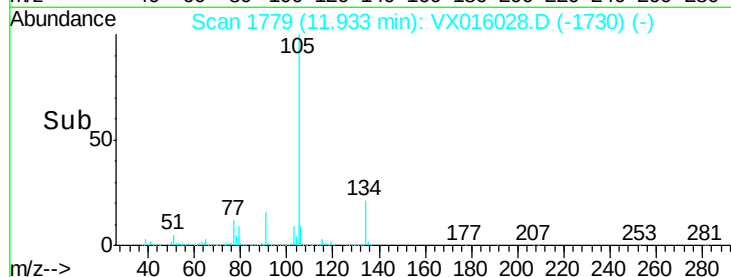
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 55.094 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

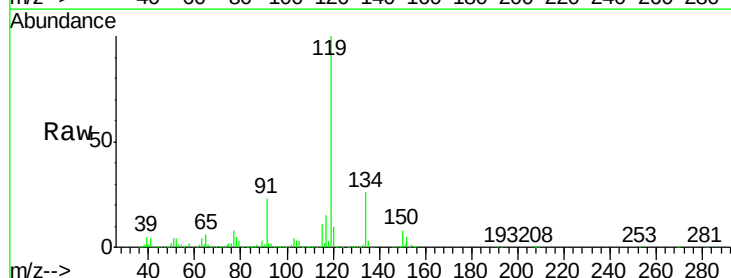
Tgt Ion:119 Resp: 864710

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 23.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

1000000

800000

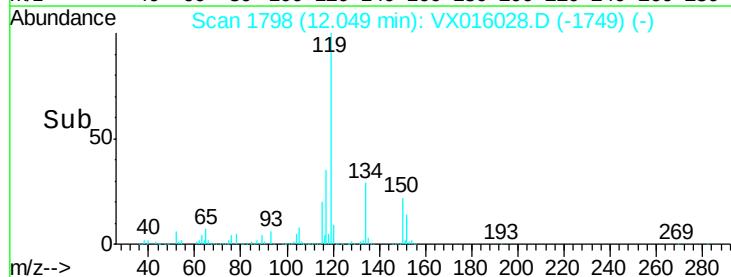
600000

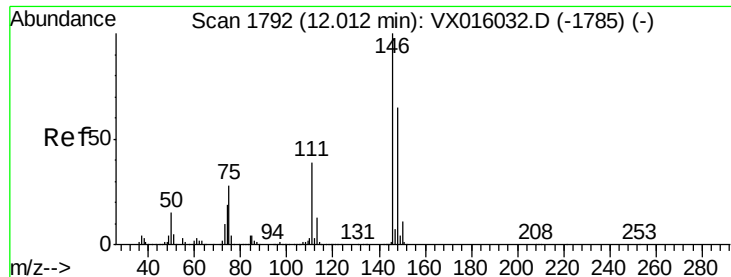
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 51.651 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

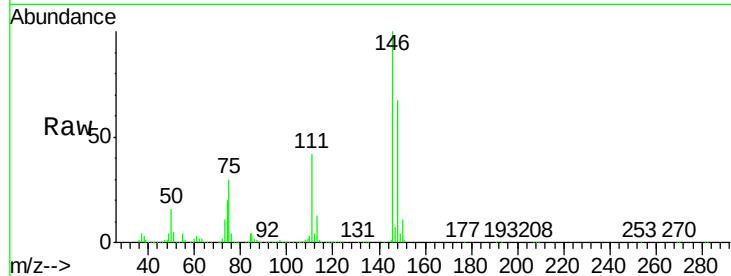
Tot Ion:146 Resp: 415159

Ion Ratio Lower Upper

146 100

111 41.1 19.6 58.8

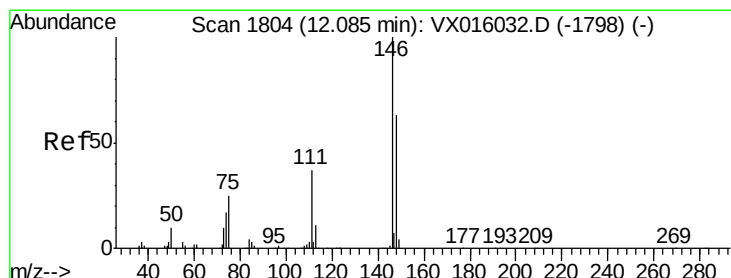
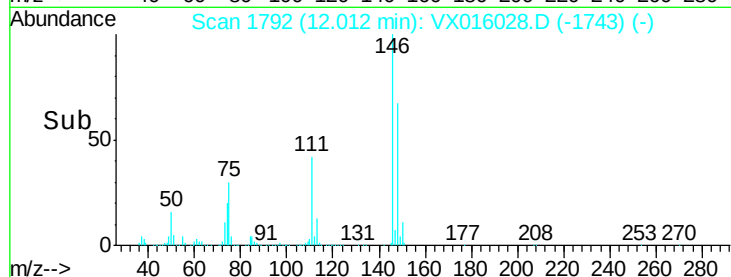
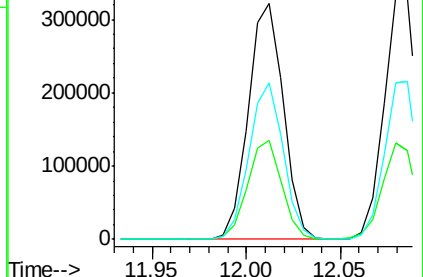
148 64.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.738 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX016028.D

Acq: 04 May 2020 10:42

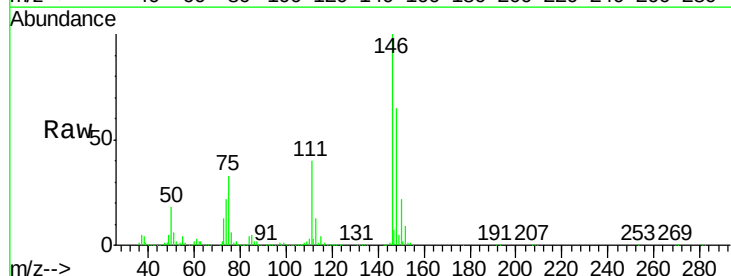
Tgt Ion:146 Resp: 420286

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.0

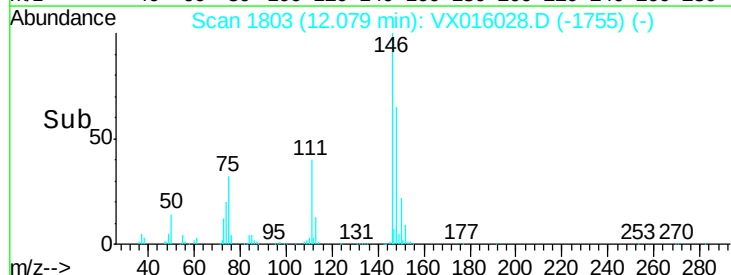
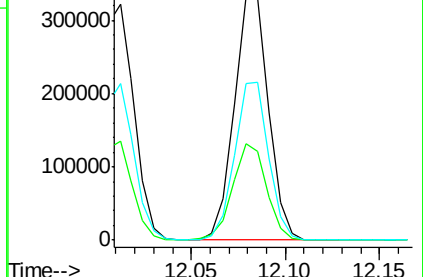
148 64.4 32.8 98.4

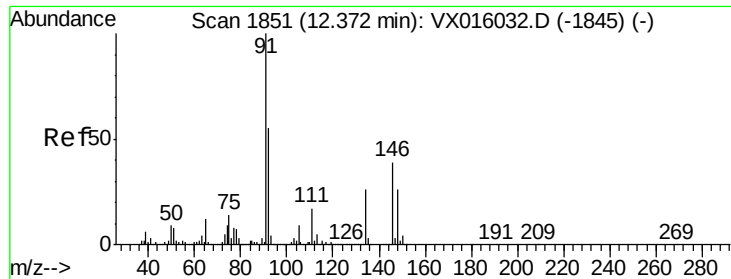


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

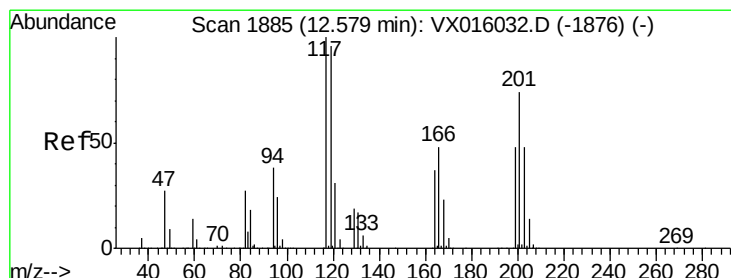
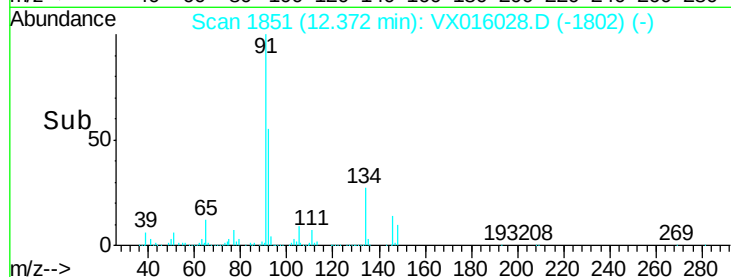
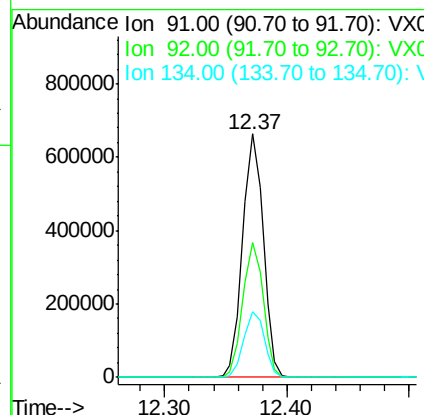
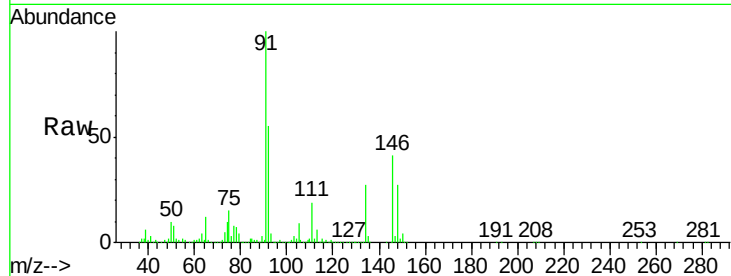




#89
n-Butylbenzene
Concen: 54.481 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

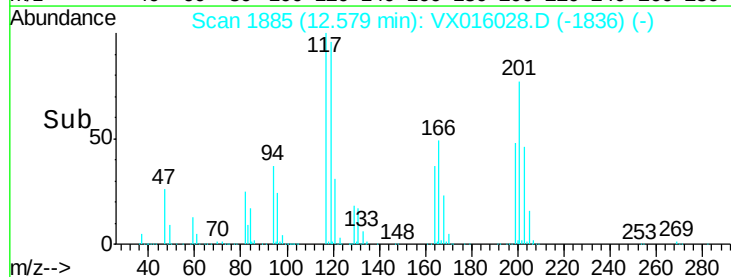
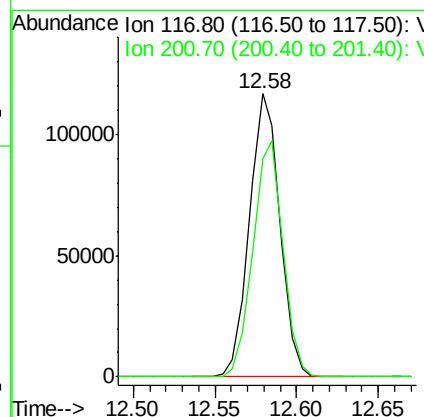
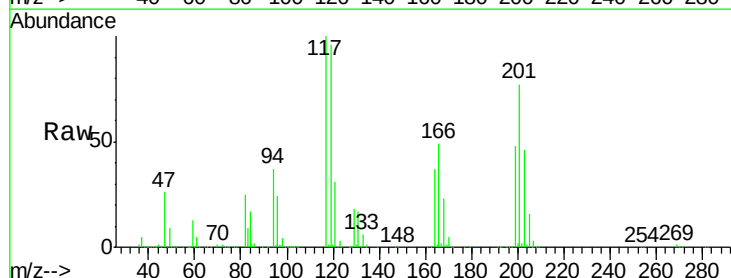
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

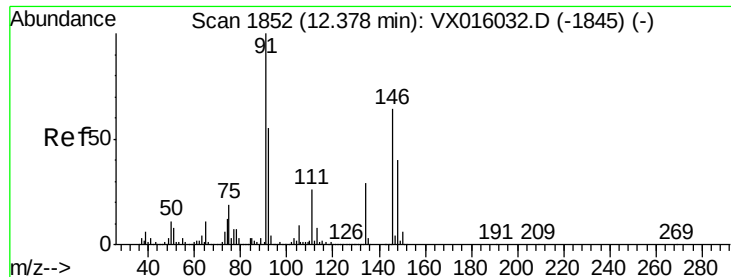
Tot Ion: 91 Resp: 772626
Ion Ratio Lower Upper
91 100
92 54.8 27.1 81.3
134 27.0 13.3 39.8



#90
Hexachloroethane
Concen: 54.842 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion: 117 Resp: 152085
Ion Ratio Lower Upper
117 100
201 82.4 40.3 120.8

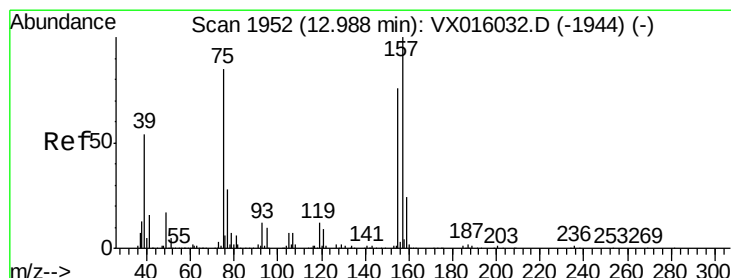
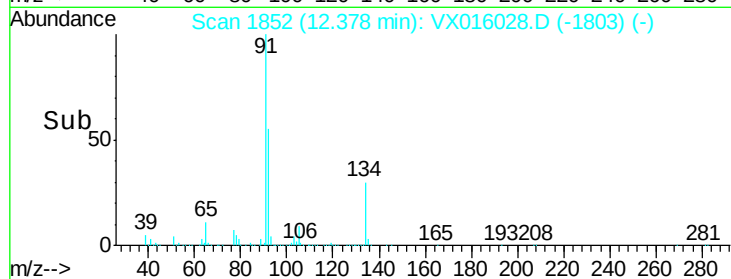
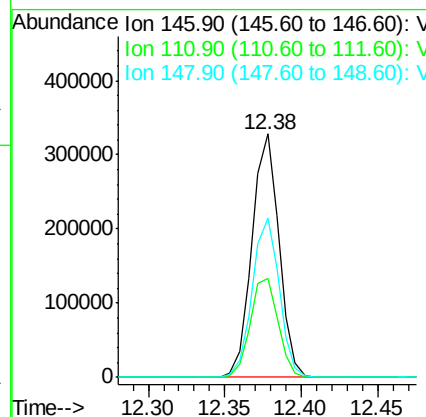
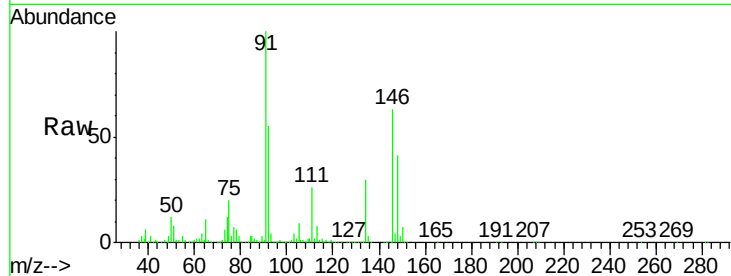




#91
 1,2-Dichlorobenzene
 Concen: 52.461 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

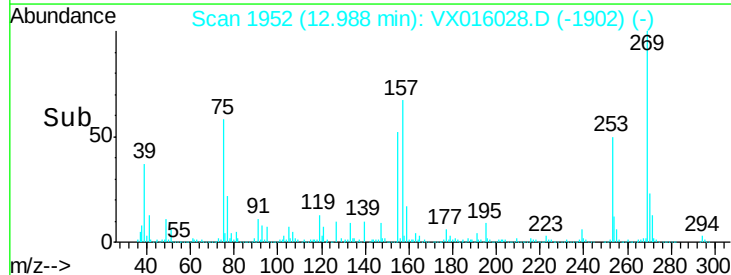
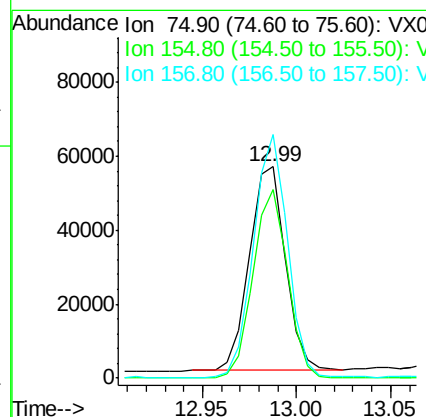
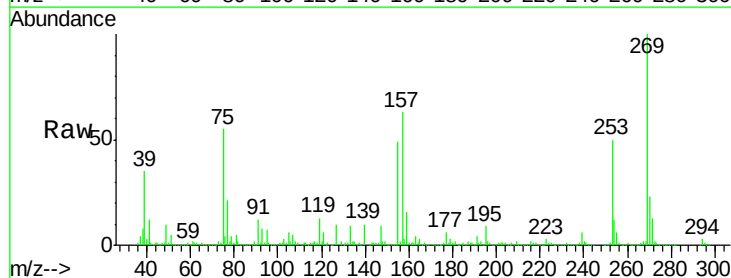
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

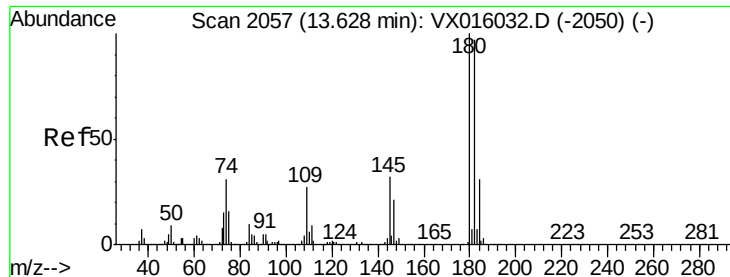
Tot Ion:146 Resp: 403215
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.3
 148 65.1 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.830 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

Tgt Ion: 75 Resp: 73272
 Ion Ratio Lower Upper
 75 100
 155 88.6 42.5 127.6
 157 112.6 56.0 168.2

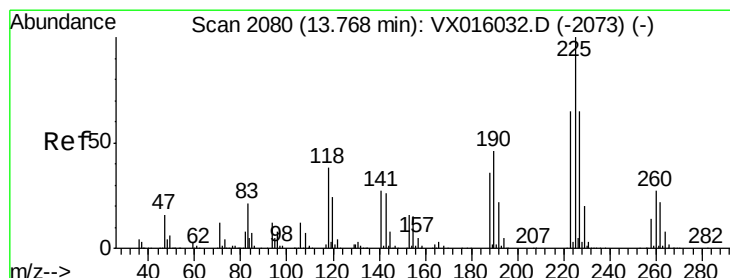
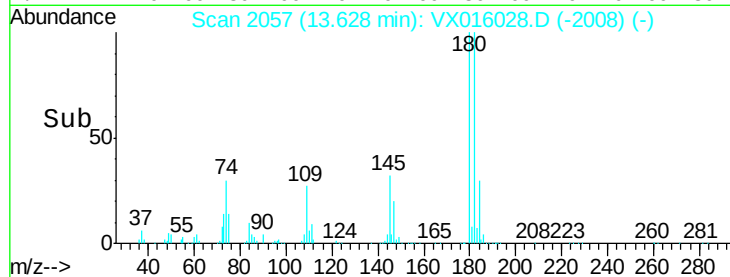
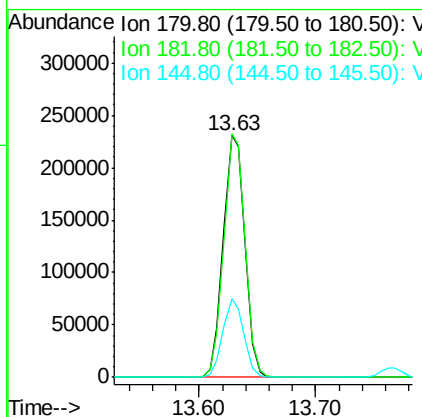
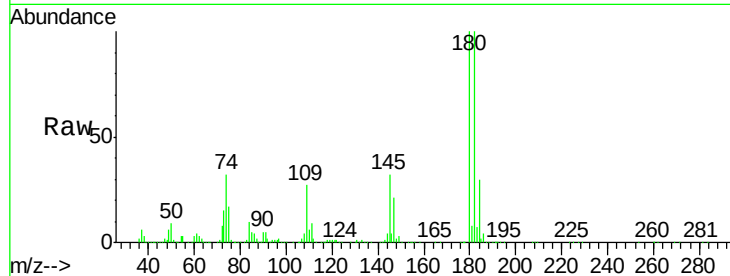




#93
 1,2,4-Trichlorobenzene
 Concen: 51.196 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

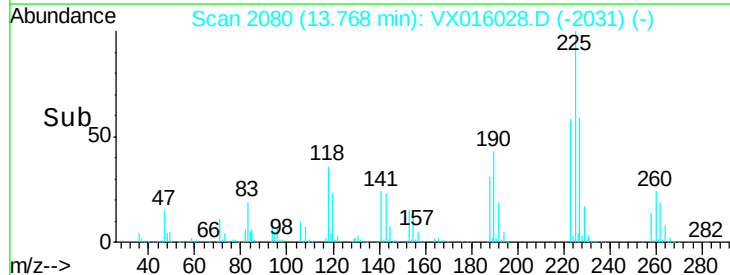
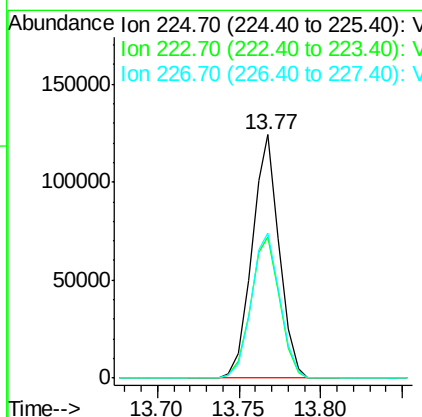
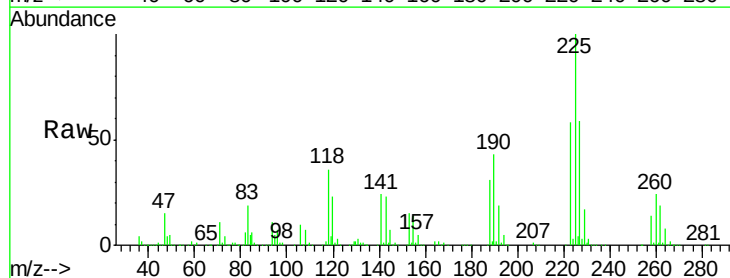
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

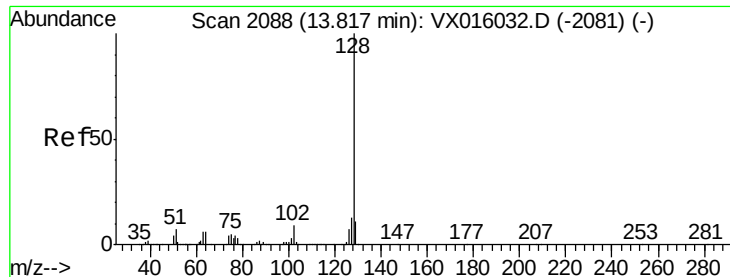
Tot Ion:180 Resp: 295343
 Ion Ratio Lower Upper
 180 100
 182 99.2 46.9 140.6
 145 31.3 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 55.551 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016028.D
 Acq: 04 May 2020 10:42

Tgt Ion:225 Resp: 143181
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.0 96.0
 227 62.5 33.0 99.0

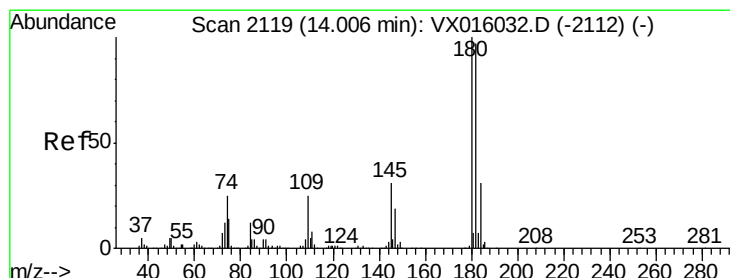
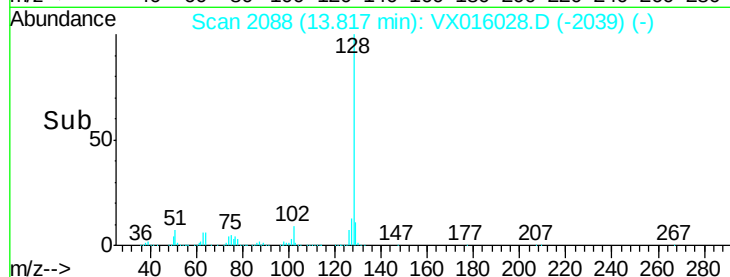
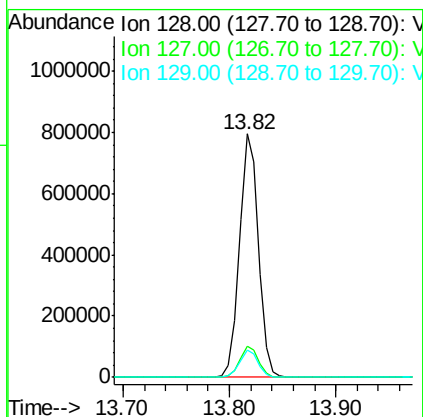
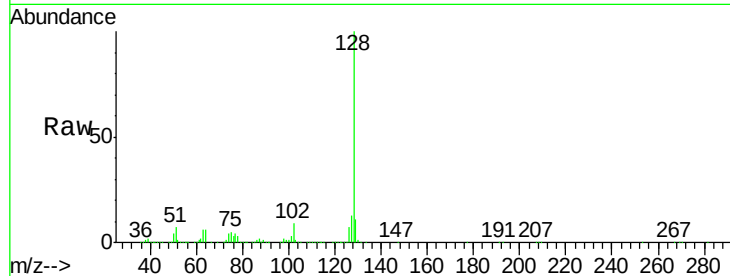




#95
Naphthalene
Concen: 54.258 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 987223
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.314 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX016028.D
Acq: 04 May 2020 10:42

Tgt Ion:180 Resp: 296153
Ion Ratio Lower Upper
180 100
182 93.5 48.7 146.1
145 33.0 16.1 48.3

