

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016110.D
 Acq On : 08 May 2020 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 09 02:34:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	294416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217416	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	177299	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.46	113	139534	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.70	98	549654	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.12	95	210906	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	156841	50.329	ug/l	99
3) Chloromethane	1.31	50	167968	46.412	ug/l	100
4) Vinyl Chloride	1.39	62	183169	47.439	ug/l	100
5) Bromomethane	1.62	94	86673	44.525	ug/l	99
6) Chloroethane	1.70	64	110539	47.051	ug/l	98
7) Trichlorofluoromethane	1.91	101	236426	46.640	ug/l	98
8) Diethyl Ether	2.17	74	97098	45.461	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	143804	49.171	ug/l	99
10) Methyl Iodide	2.49	142	183579	46.731	ug/l	99
11) Tert butyl alcohol	3.01	59	218167	222.690	ug/l	100
12) 1,1-Dichloroethene	2.36	96	142440	46.542	ug/l	96
13) Acrolein	2.27	56	128607	209.780	ug/l	98
14) Allyl chloride	2.70	41	269323	47.994	ug/l	98
15) Acrylonitrile	3.11	53	473501	232.980	ug/l	99
16) Acetone	2.42	43	385205	222.837	ug/l	98
17) Carbon Disulfide	2.55	76	428730	46.634	ug/l	100
18) Methyl Acetate	2.75	43	202744	47.701	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	513716	48.692	ug/l	100
20) Methylene Chloride	2.83	84	162965	45.731	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	159969	46.905	ug/l	98
22) Diisopropyl ether	3.82	45	512859	48.445	ug/l	90
23) Vinyl Acetate	3.78	43	2266784	243.377	ug/l	100
24) 1,1-Dichloroethane	3.67	63	289192	48.833	ug/l	100
25) 2-Butanone	4.63	43	644621	231.417	ug/l	100
26) 2,2-Dichloropropane	4.55	77	258309	47.761	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	181251	48.612	ug/l	99
28) Bromochloromethane	4.98	49	124271	46.020	ug/l	100
29) Tetrahydrofuran	5.09	42	428158	231.976	ug/l	100
30) Chloroform	5.17	83	284265	48.210	ug/l	98
31) Cyclohexane	5.54	56	264140	49.078	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	258489	48.228	ug/l	99
36) 1,1-Dichloropropene	5.76	75	221987	48.586	ug/l	99
37) Ethyl Acetate	4.79	43	249843	47.180	ug/l	100
38) Carbon Tetrachloride	5.75	117	230593	49.654	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	274328	49.857	ug/l	99
40) Benzene	6.11	78	653479	48.882	ug/l	99
41) Methacrylonitrile	5.00	41	138246	48.340	ug/l	99
42) 1,2-Dichloroethane	6.16	62	229787	47.715	ug/l	99
43) Isopropyl Acetate	6.41	43	405568	48.001	ug/l	100
44) Trichloroethene	7.19	130	229705	48.366	ug/l	100
45) 1,2-Dichloropropane	7.49	63	168551	49.827	ug/l	99
46) Dibromomethane	7.63	93	110997	48.285	ug/l	99
47) Bromodichloromethane	7.87	83	233848	49.948	ug/l	99
48) Methyl methacrylate	7.74	41	192500	48.081	ug/l	98
49) 1,4-Dioxane	7.71	88	90428	941.754	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1255853	242.891	ug/l	100
52) Toluene	8.76	92	412810	49.540	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	273148	48.932	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	287899	49.377	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	164843	50.281	ug/l	99
56) Ethyl methacrylate	9.16	69	270046	50.462	ug/l	97
57) 1,3-Dichloropropane	9.35	76	285218	49.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	703722	247.009	ug/l	100
59) 2-Hexanone	9.47	43	970733	239.069	ug/l	99
60) Dibromochloromethane	9.57	129	183078	50.704	ug/l	97
61) 1,2-Dibromoethane	9.65	107	174623	49.174	ug/l	99
64) Tetrachloroethene	9.32	164	263556	49.589	ug/l	97
65) Chlorobenzene	10.12	112	446077	49.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	166097	49.573	ug/l	99
67) Ethyl Benzene	10.23	91	790357	48.865	ug/l	98
68) m/p-Xylenes	10.34	106	606821	100.136	ug/l	100
69) o-Xylene	10.68	106	291108	49.975	ug/l	99
70) Styrene	10.70	104	505522	51.155	ug/l	100
71) Bromoform	10.84	173	138770	50.836	ug/l	100
73) Isopropylbenzene	11.00	105	790029	49.959	ug/l	99
74) N-amyl acetate	10.88	43	350978	47.583	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	137087	44.818	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	239430m	48.530	ug/l	
77) Bromobenzene	11.24	156	194420	47.632	ug/l	98
78) n-propylbenzene	11.34	91	915580	49.769	ug/l	99
79) 2-Chlorotoluene	11.40	91	539086	49.644	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	671689	50.307	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	102450	49.486	ug/l	97
82) 4-Chlorotoluene	11.49	91	637776	49.736	ug/l	100
83) tert-Butylbenzene	11.76	119	575701	50.032	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	679056	50.305	ug/l	100
85) sec-Butylbenzene	11.93	105	783088	50.405	ug/l	100
86) p-Isopropyltoluene	12.05	119	729472	50.572	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	359178	49.008	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	357490	48.058	ug/l	99
89) n-Butylbenzene	12.37	91	666800	50.601	ug/l	99
90) Hexachloroethane	12.58	117	123746	49.953	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	345170	48.911	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	58931	45.321	ug/l	98

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QLast Update : Wed May 06 06:43:32 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	258038	49.388	ug/l	98
94) Hexachlorobutadiene	13.77	225	124698	55.370	ug/l	94
95) Naphthalene	13.82	128	824507	48.736	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	254534	49.848	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

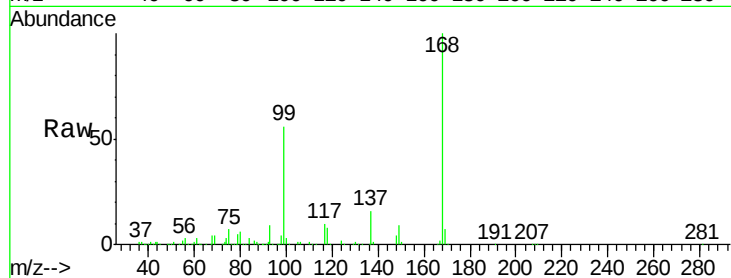
VSTDCCC050

Tot Ion:168 Resp: 294416

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

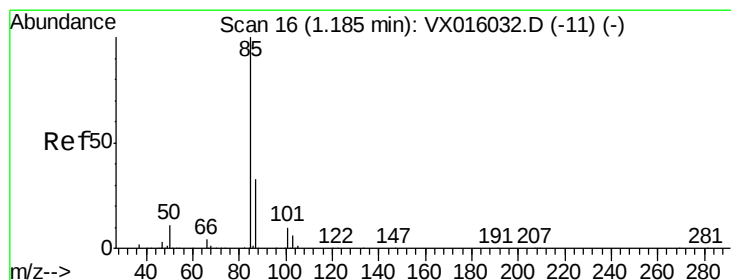
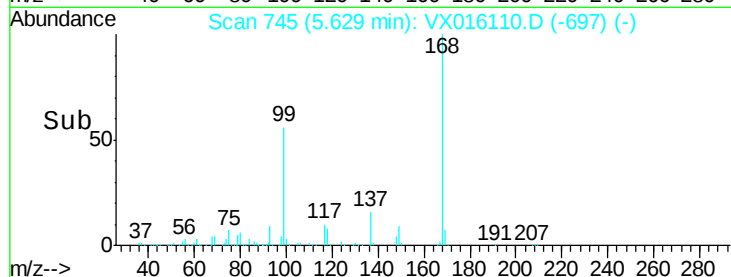
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.329 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016110.D

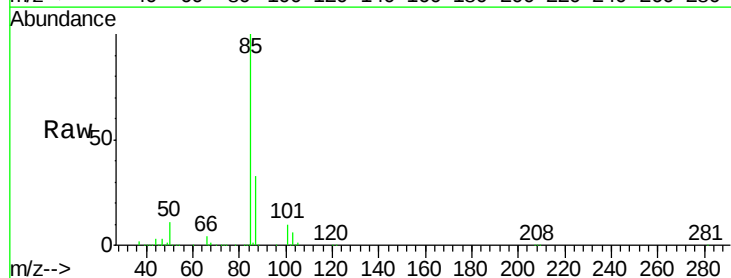
Acq: 08 May 2020 10:32

Tgt Ion: 85 Resp: 156841

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200000

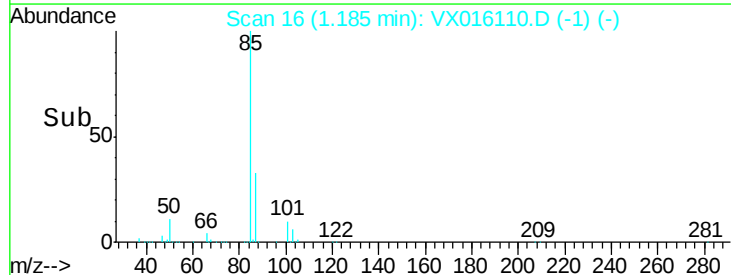
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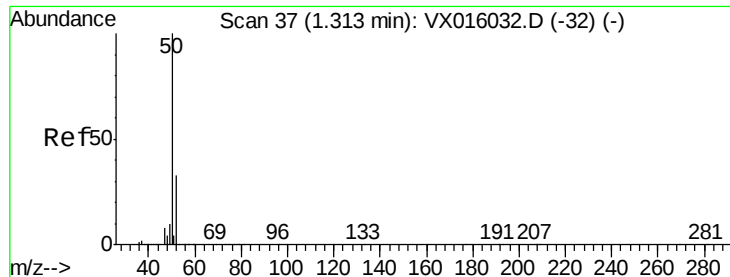
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50000

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Time-->

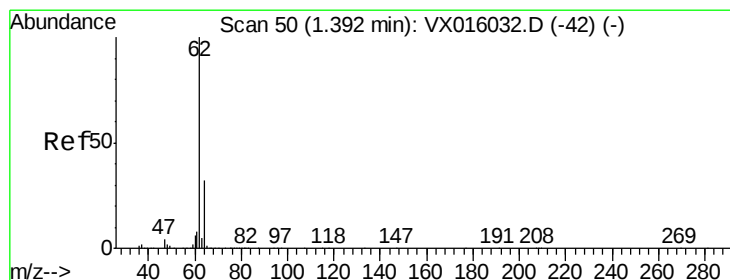
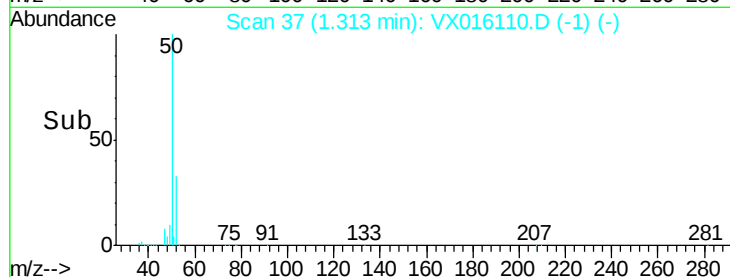
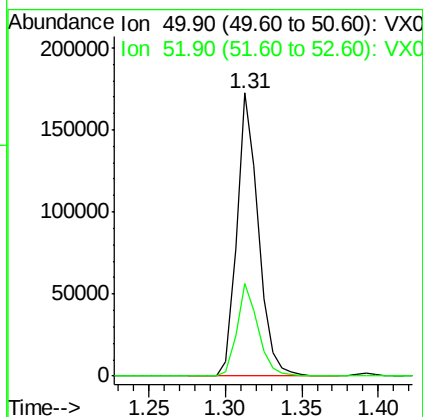
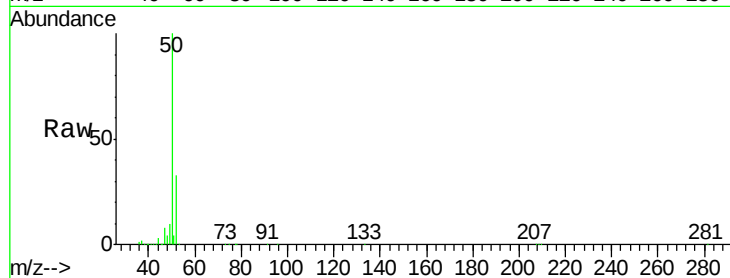




#3
Chloromethane
Concen: 46.412 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

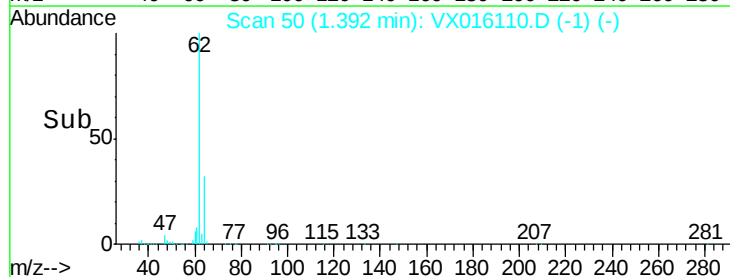
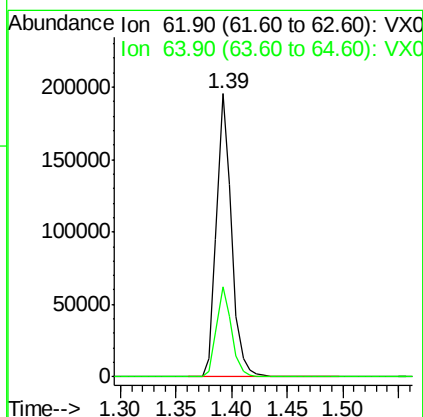
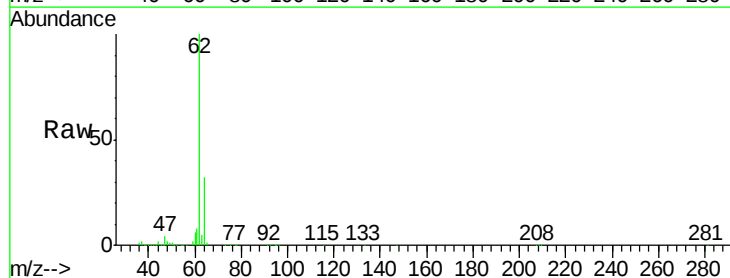
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

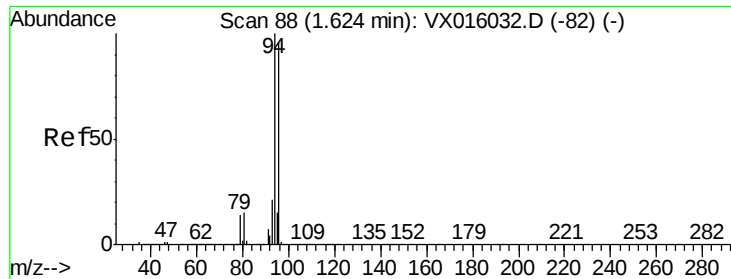
Tot Ion: 50 Resp: 167968
Ion Ratio Lower Upper
50 100
52 32.5 26.1 39.1



#4
Vinyl Chloride
Concen: 47.439 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 62 Resp: 183169
Ion Ratio Lower Upper
62 100
64 31.9 25.7 38.5





#5

Bromomethane

Concen: 44.525 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

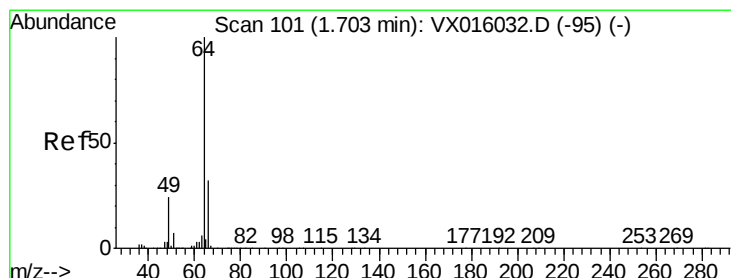
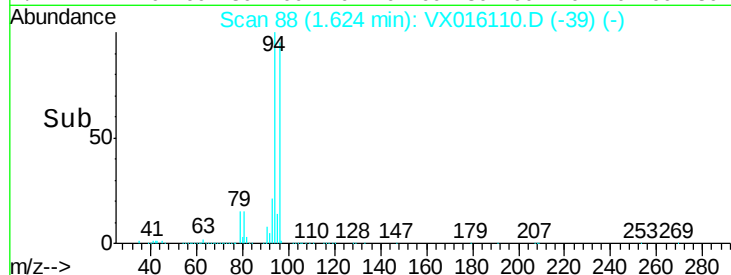
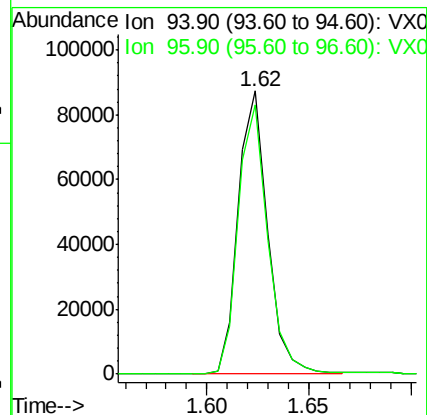
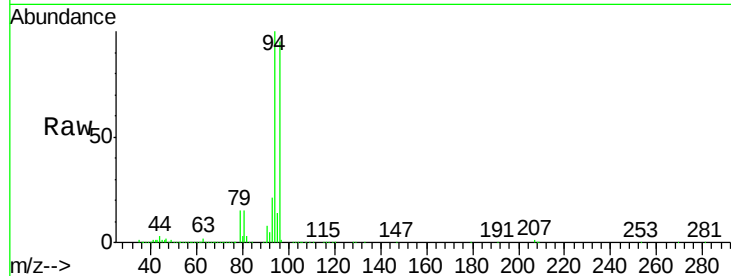
VSTDCCC050

Tot Ion: 94 Resp: 86673

Ion Ratio Lower Upper

94 100

96 95.1 76.9 115.3



#6

Chloroethane

Concen: 47.051 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016110.D

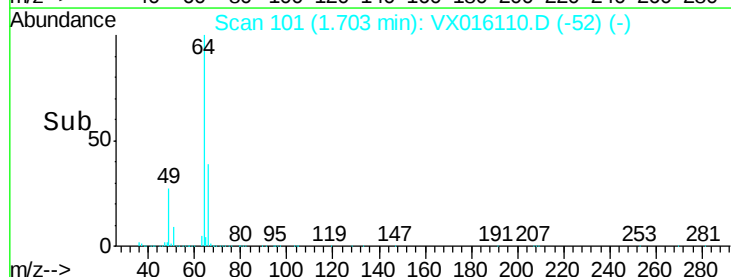
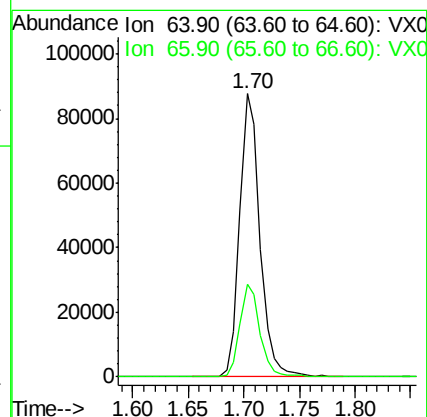
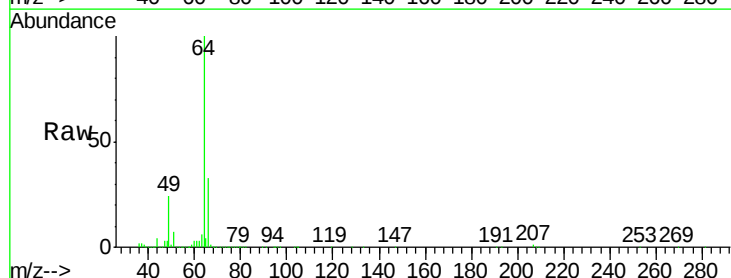
Acq: 08 May 2020 10:32

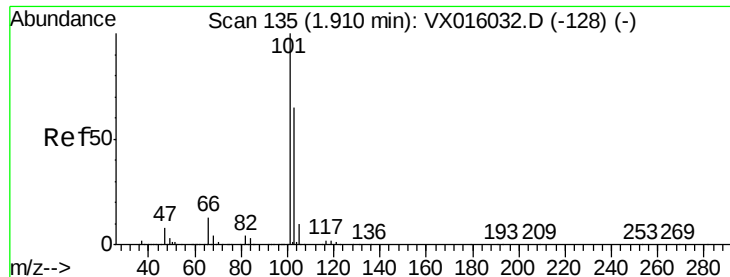
Tgt Ion: 64 Resp: 110539

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8



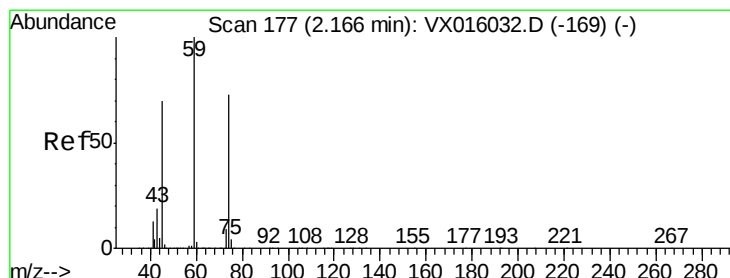
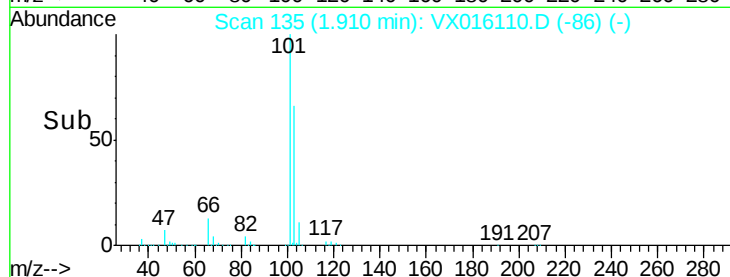
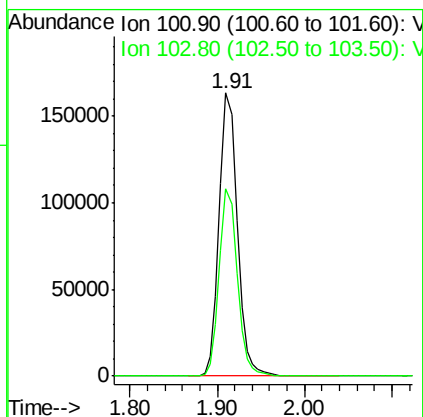
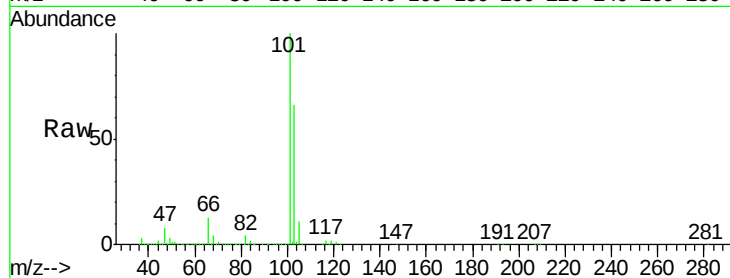


#7

Trichlorofluoromethane
 Concen: 46.640 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

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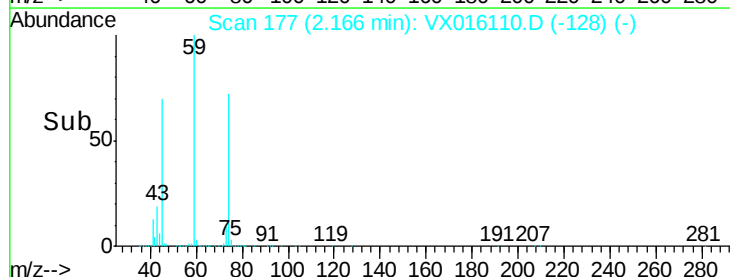
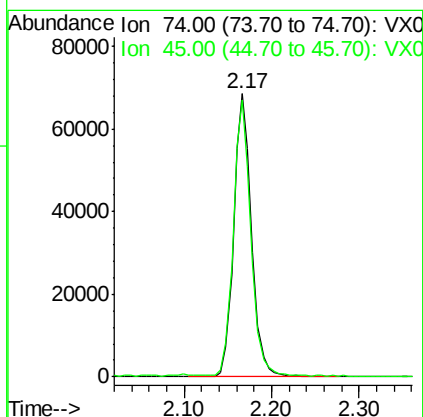
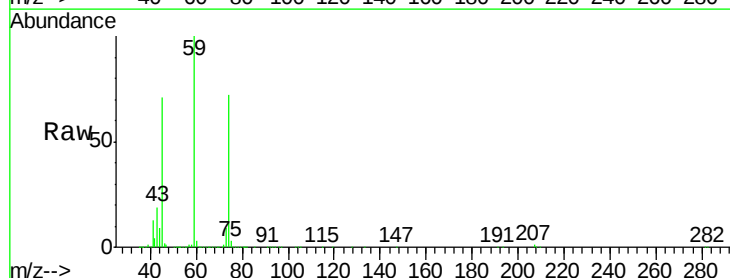
Tot Ion:101 Resp: 236426
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.8 77.6

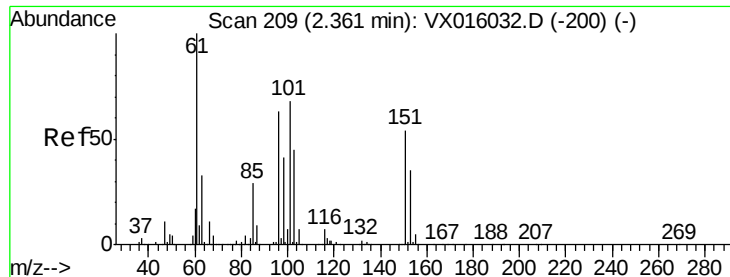


#8

Diethyl Ether
 Concen: 45.461 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion: 74 Resp: 97098
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.171 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

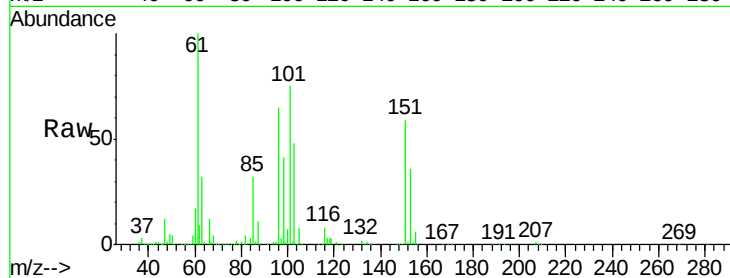
Tot Ion:101 Resp: 143804

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

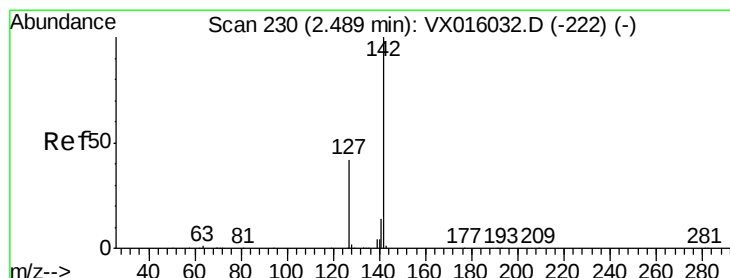
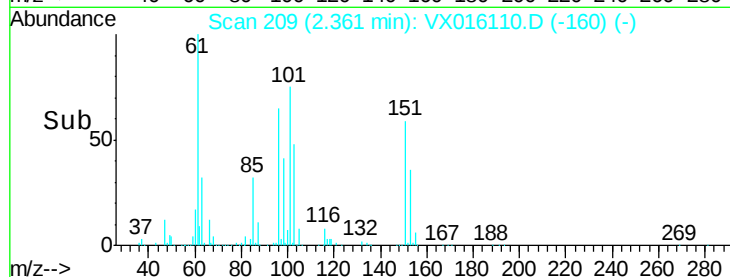
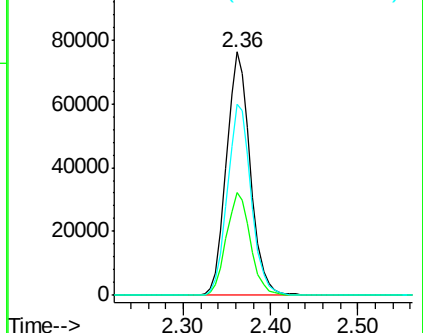
151 78.8 62.1 93.1



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: 46.731 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

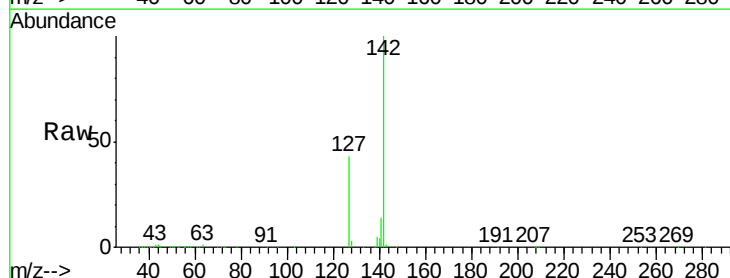
Tgt Ion:142 Resp: 183579

Ion Ratio Lower Upper

142 100

127 43.0 34.6 52.0

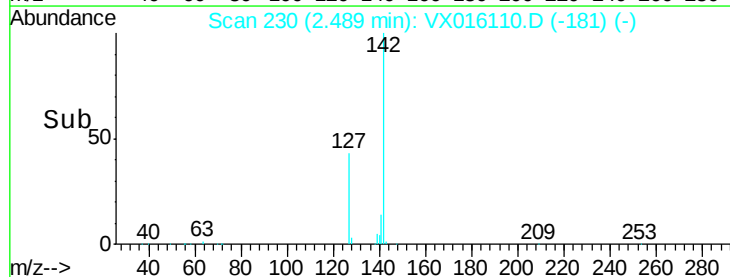
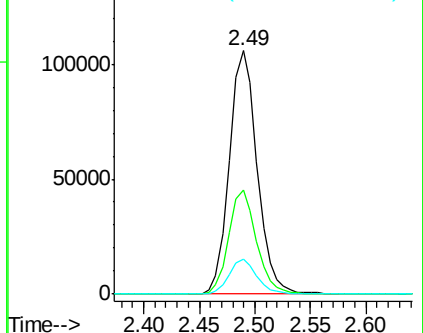
141 14.4 11.3 16.9

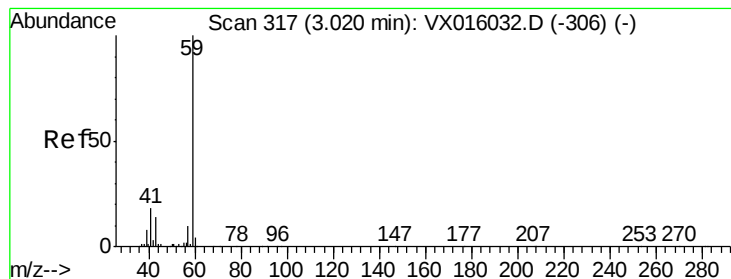


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



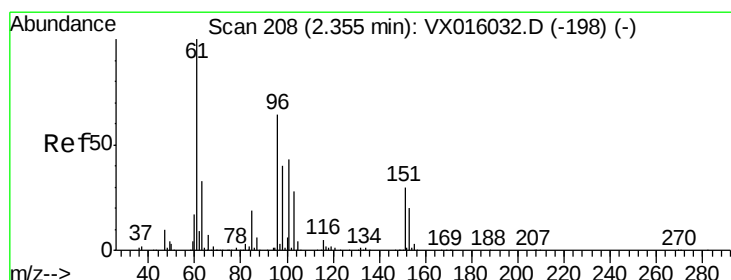
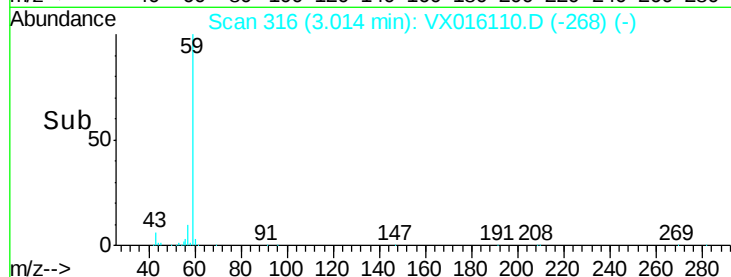
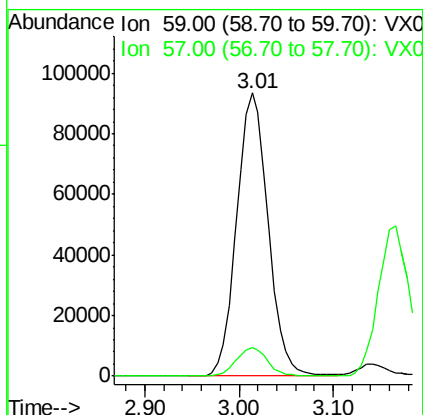
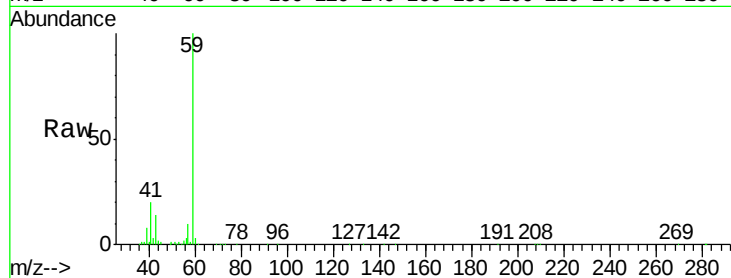


#11

Tert butyl alcohol
 Concen: 222.690 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

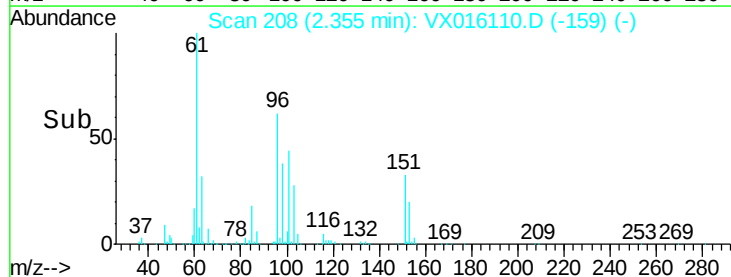
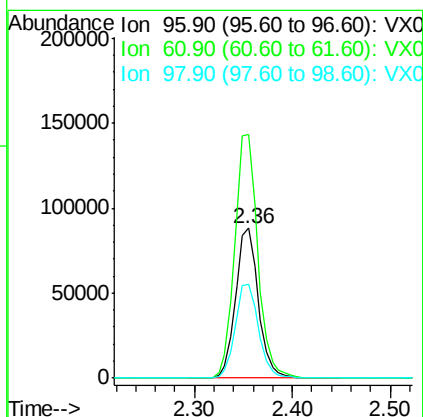
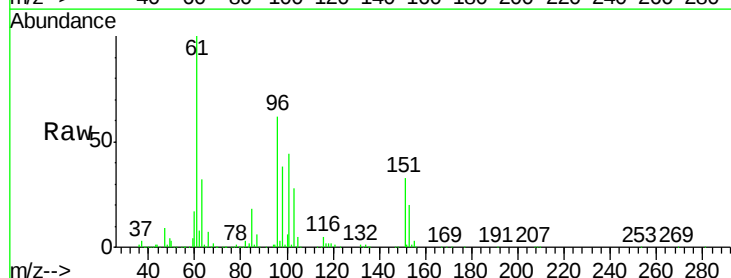
Tot Ion: 59 Resp: 218167
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

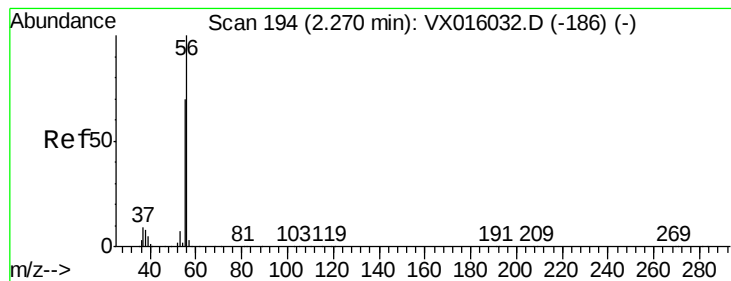


#12

1,1-Dichloroethene
 Concen: 46.542 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion: 96 Resp: 142440
 Ion Ratio Lower Upper
 96 100
 61 162.4 124.8 187.2
 98 62.3 49.7 74.5





#13

Acrolein

Concen: 209.780 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

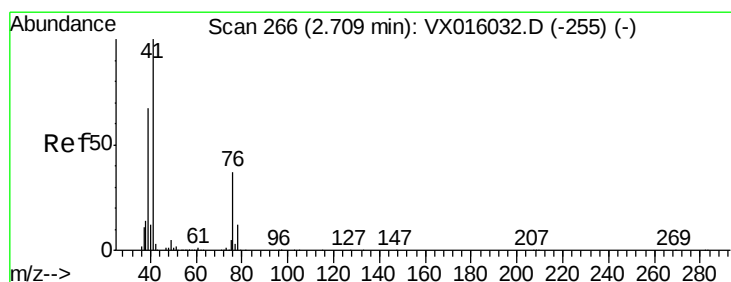
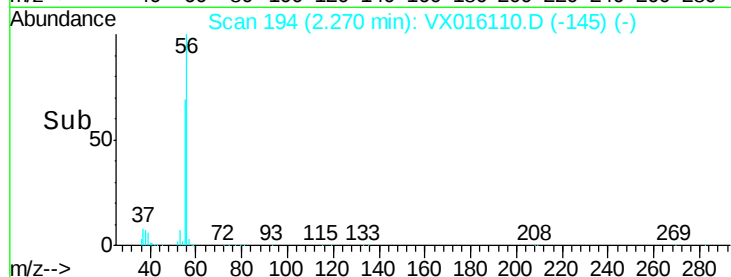
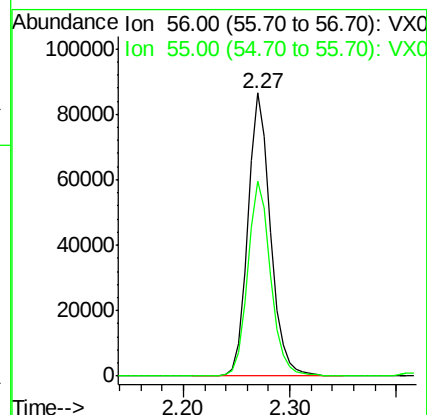
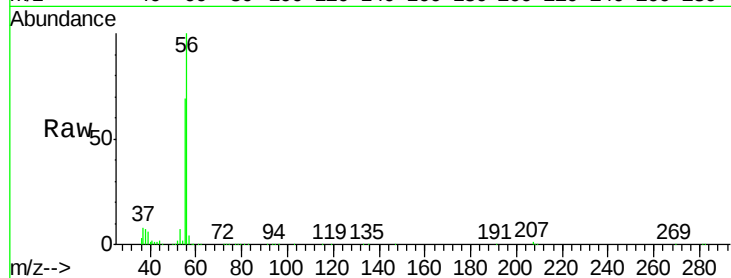
VSTDCCC050

Tot Ion: 56 Resp: 128607

Ion Ratio Lower Upper

56 100

55 69.3 56.5 84.7



#14

Allyl chloride

Concen: 47.994 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

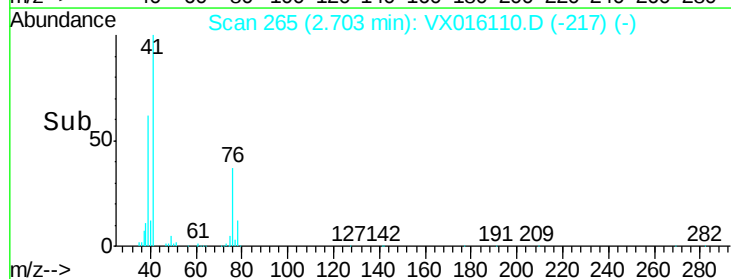
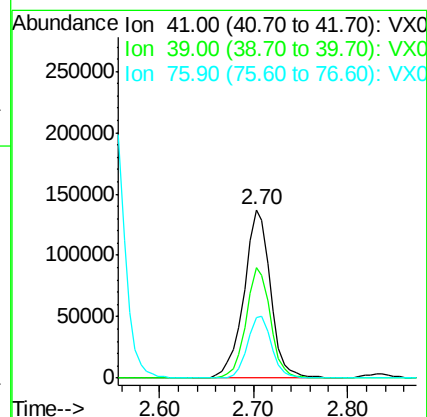
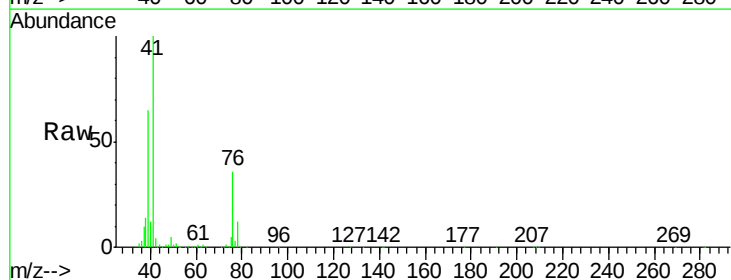
Tgt Ion: 41 Resp: 269323

Ion Ratio Lower Upper

41 100

39 60.5 50.5 75.7

76 33.4 26.6 40.0





#15

Acrylonitrile

Concen: 232.980 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

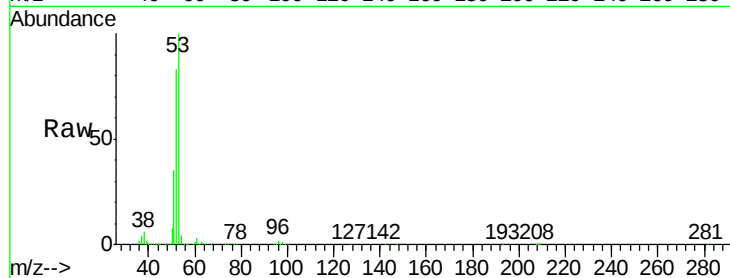
MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 473501

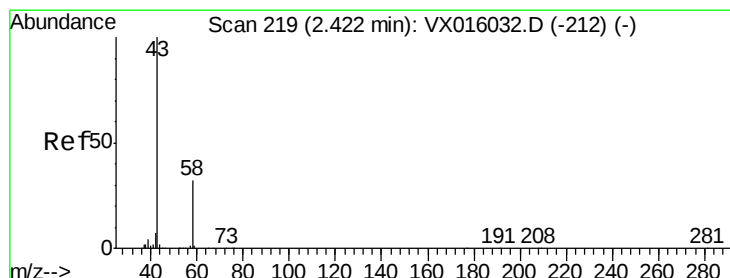
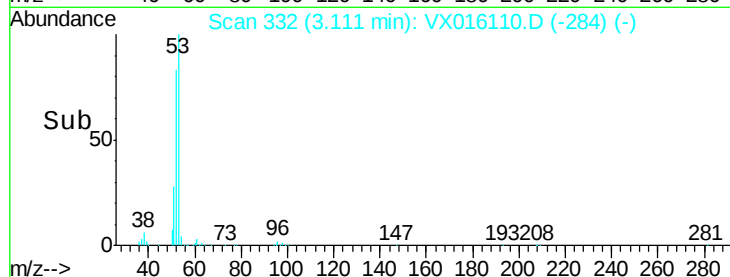
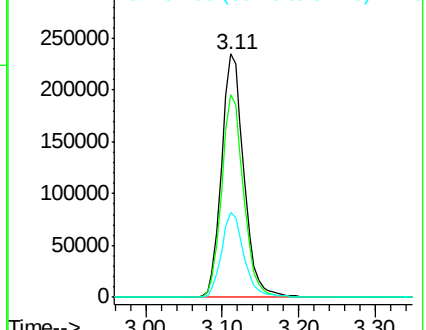
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.1	99.1
51	35.2	28.8	43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 222.837 ug/l

RT: 2.42 min Scan# 218

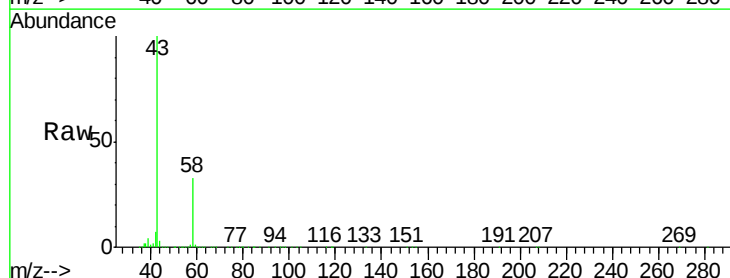
Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

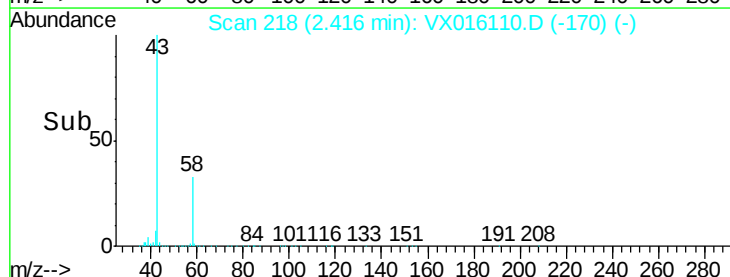
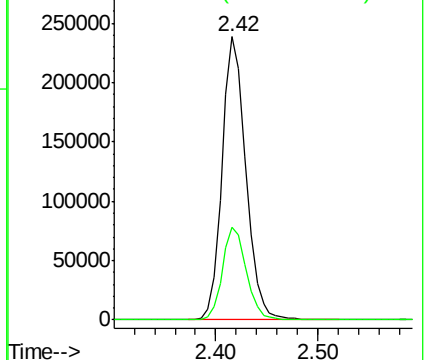
Tgt Ion: 43 Resp: 385205

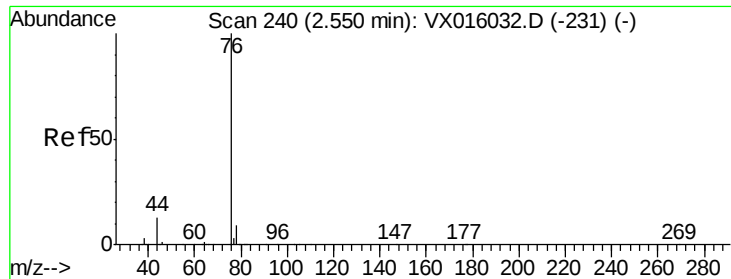
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.4	38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.634 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

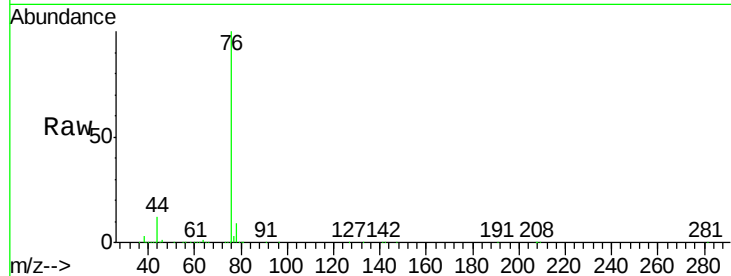
VSTDCCC050

Tot Ion: 76 Resp: 428730

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

250000

200000

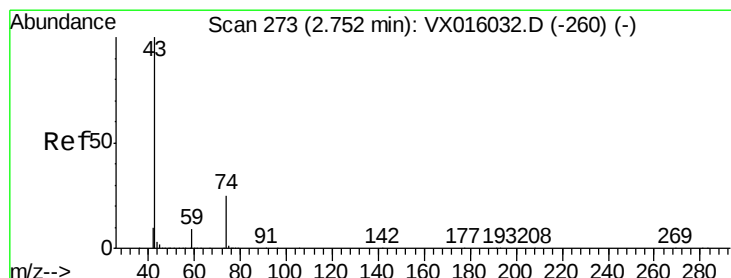
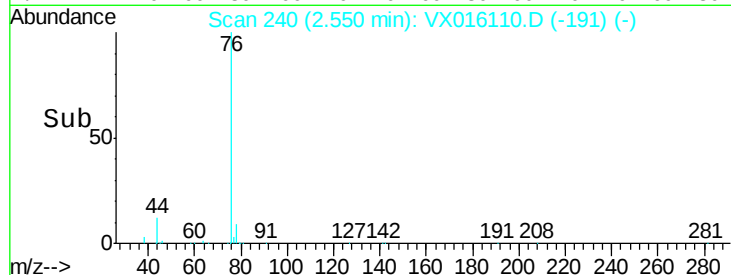
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.701 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016110.D

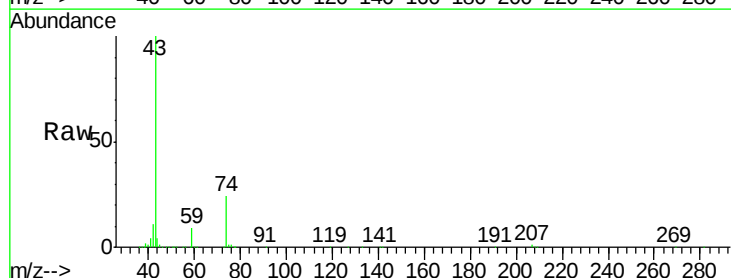
Acq: 08 May 2020 10:32

Tgt Ion: 43 Resp: 202744

Ion Ratio Lower Upper

43 100

74 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

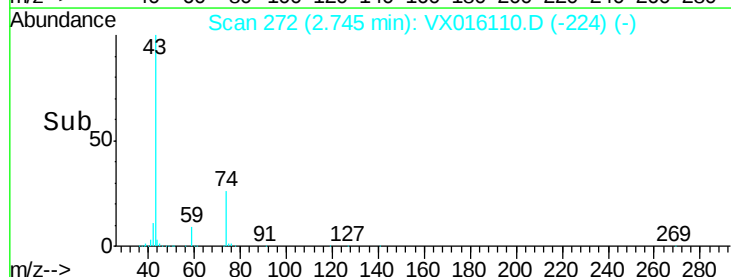
2.75

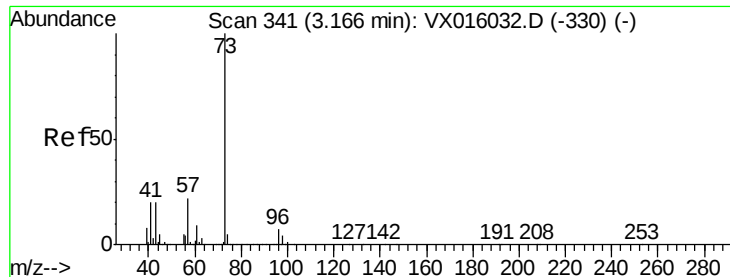
100000

50000

0

Time-->

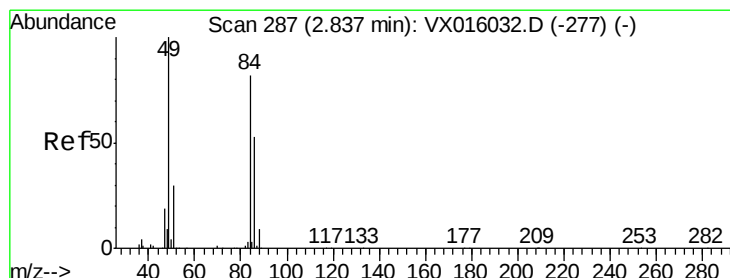
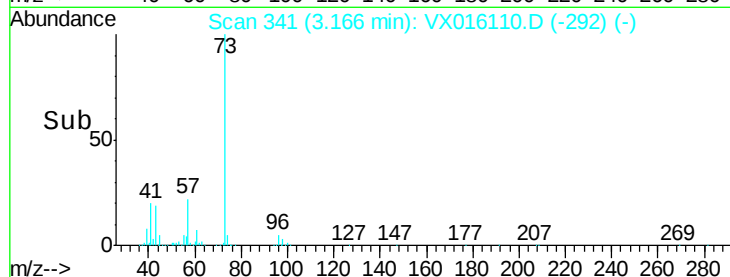
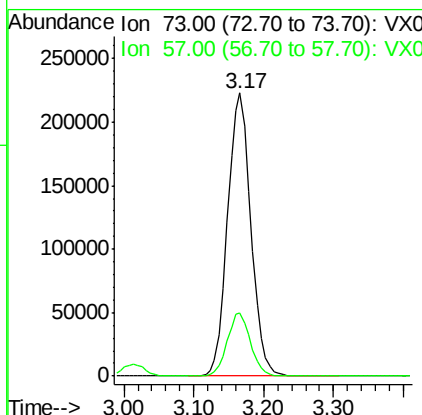
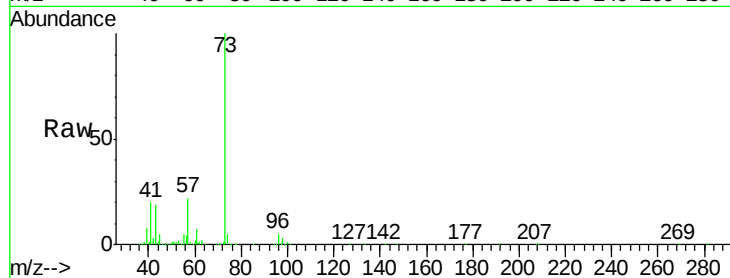




#19
Methyl tert-butyl Ether
Concen: 48.692 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

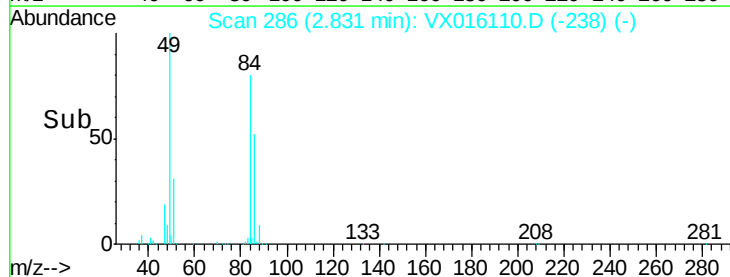
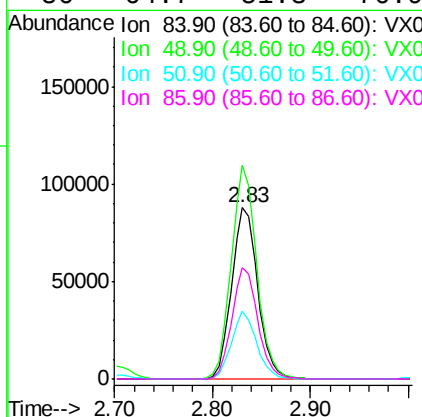
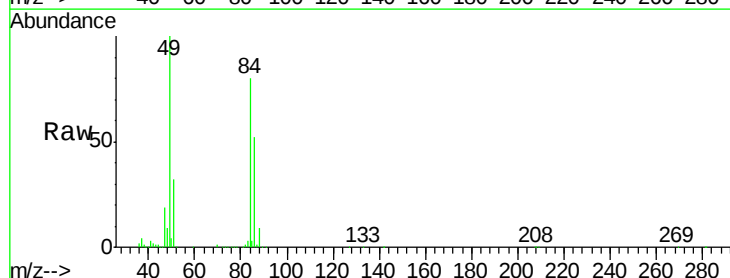
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 513716
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6



#20
Methylene Chloride
Concen: 45.731 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 84 Resp: 162965
Ion Ratio Lower Upper
84 100
49 124.6 97.3 145.9
51 39.3 29.3 43.9
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.905 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

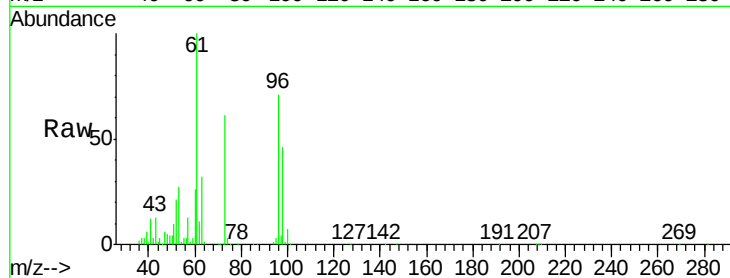
Tot Ion: 96 Resp: 159969

Ion Ratio Lower Upper

96 100

61 140.2 111.2 166.8

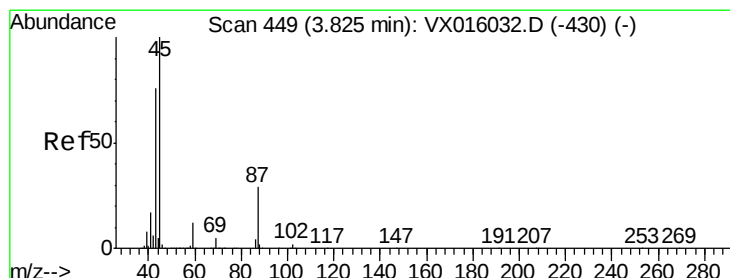
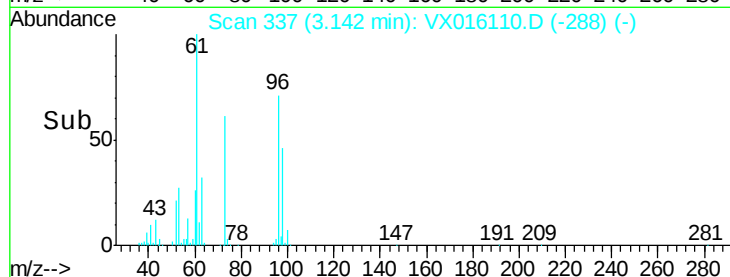
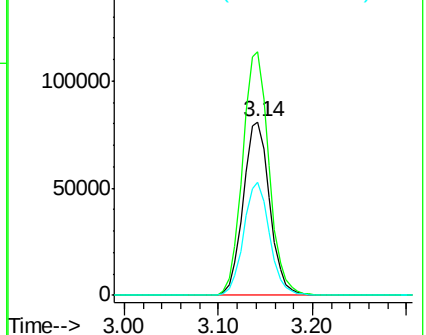
98 64.9 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.445 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Tgt Ion: 45 Resp: 512859

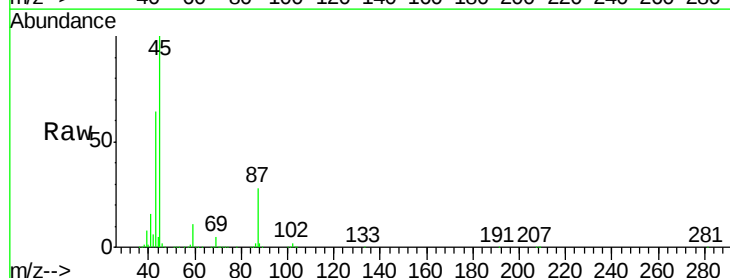
Ion Ratio Lower Upper

45 100

43 64.4 61.1 91.7

87 28.2 23.0 34.6

59 11.4 9.8 14.6

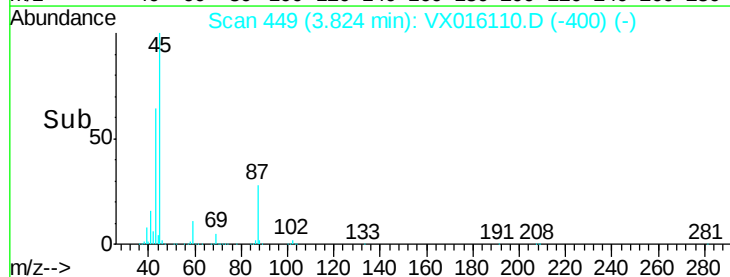
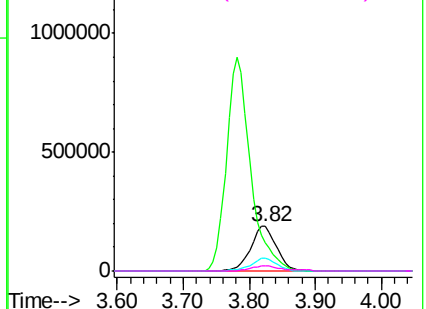


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 243.377 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

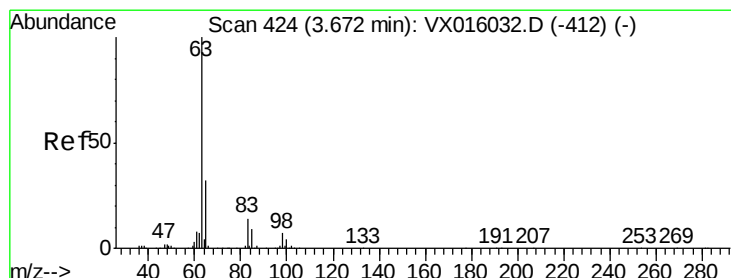
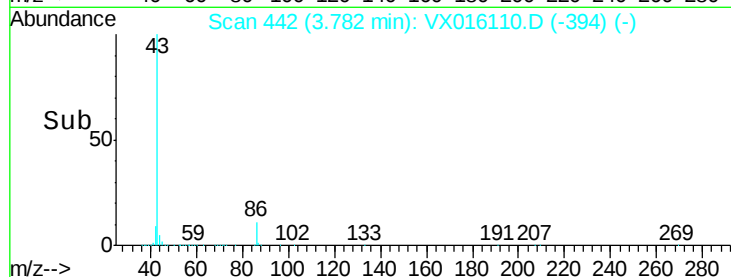
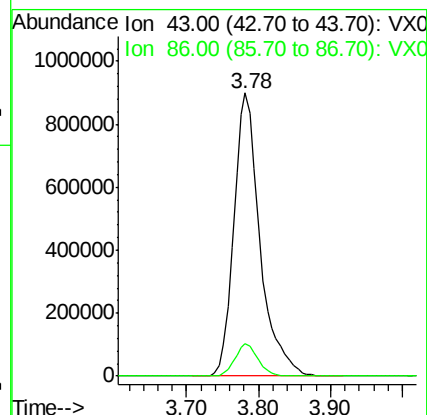
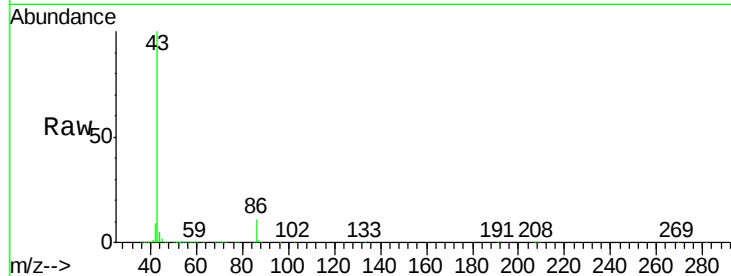
VSTDCCC050

Tot Ion: 43 Resp: 2266784

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.4



#24

1,1-Dichloroethane

Concen: 48.833 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

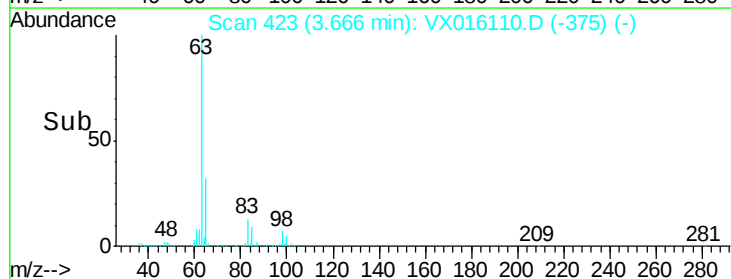
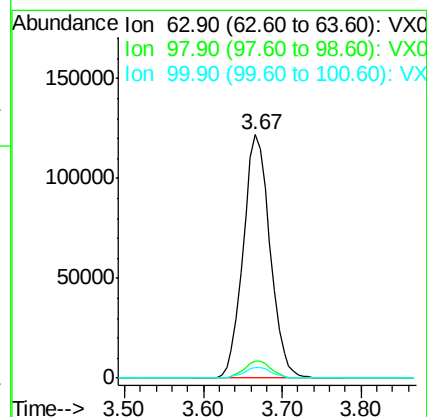
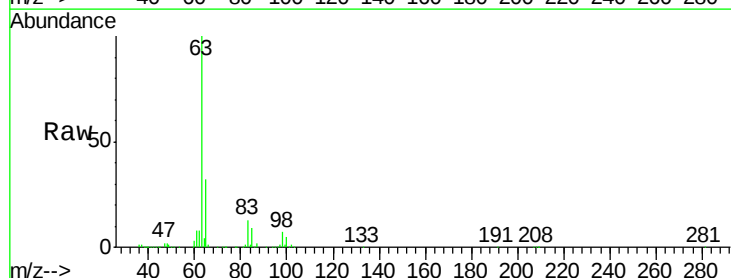
Tgt Ion: 63 Resp: 289192

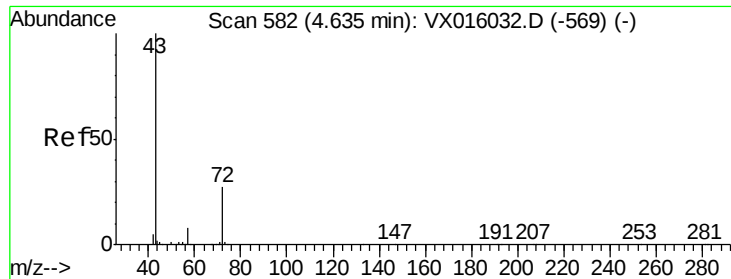
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 231.417 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

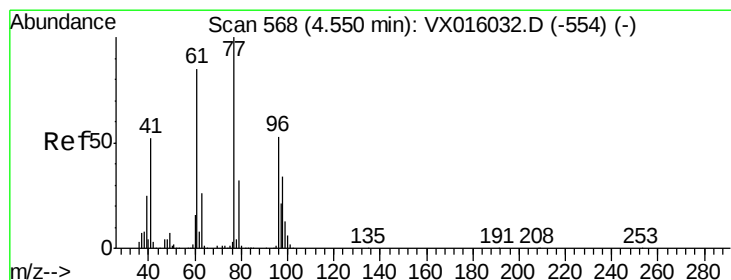
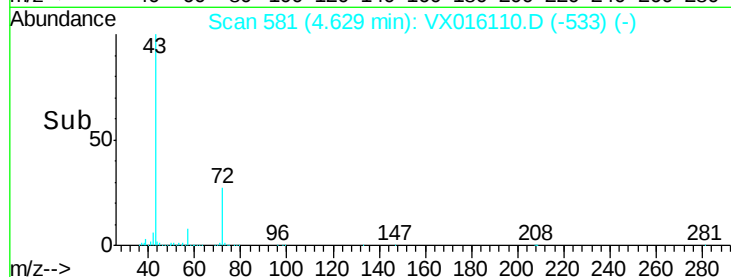
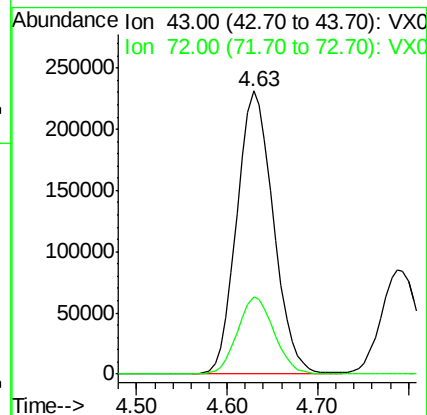
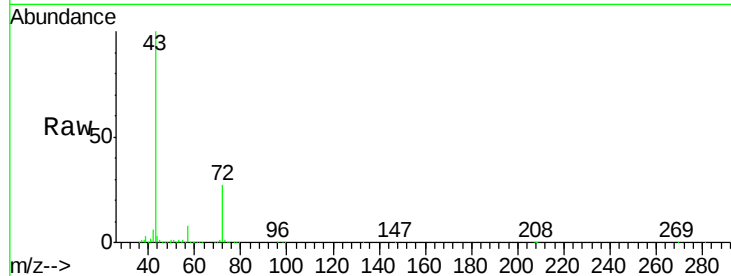
VSTDCCC050

Tot Ion: 43 Resp: 644621

Ion Ratio Lower Upper

43 100

72 27.4 21.8 32.8



#26

2,2-Dichloropropane

Concen: 47.761 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016110.D

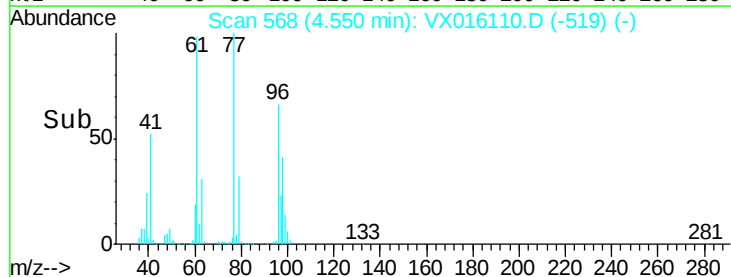
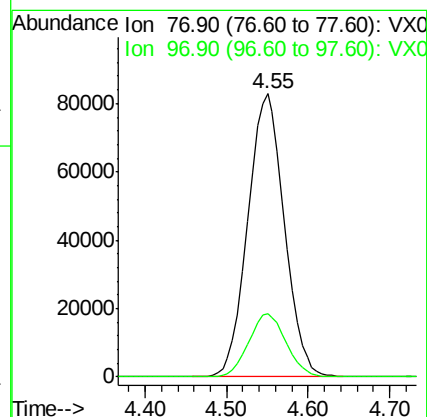
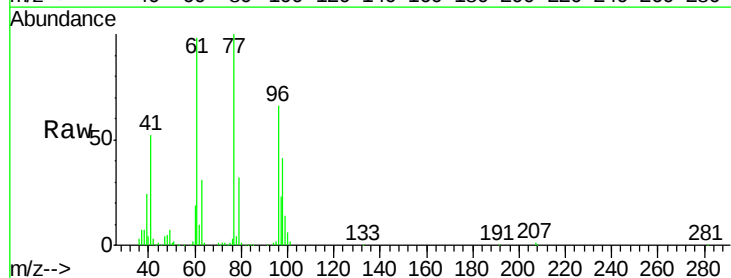
Acq: 08 May 2020 10:32

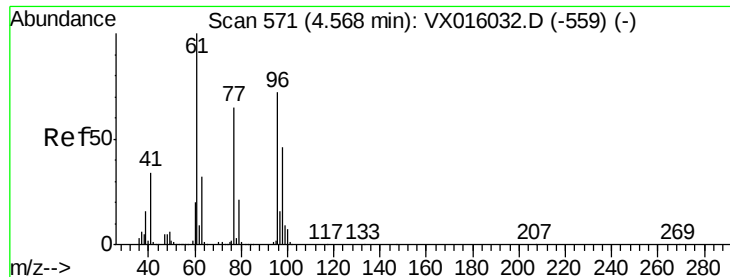
Tgt Ion: 77 Resp: 258309

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6



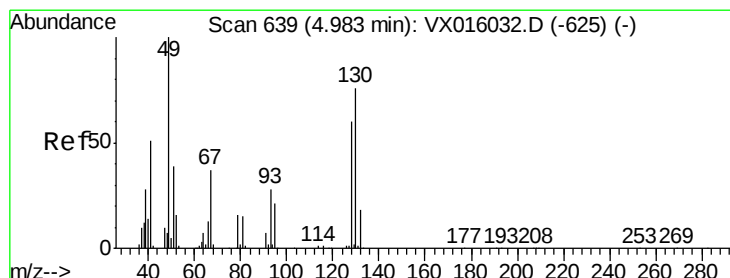
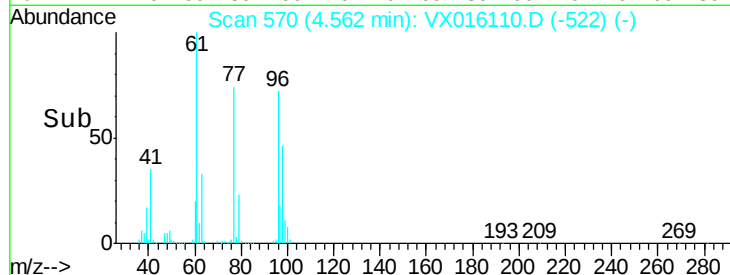
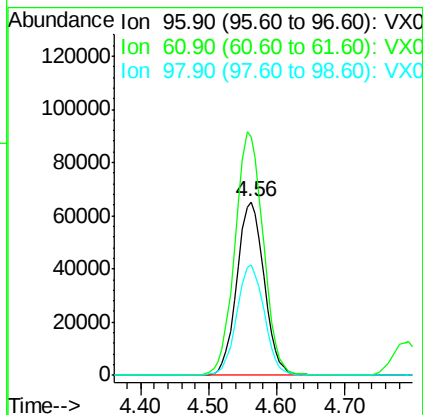
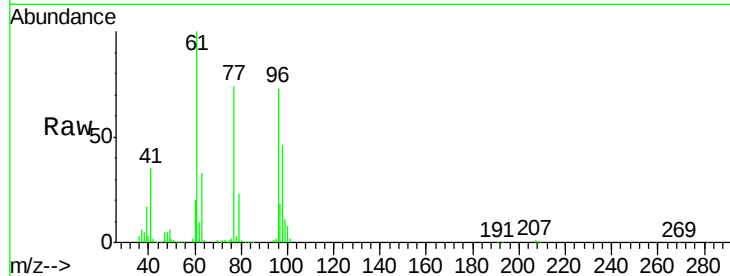


#27

cis-1,2-Dichloroethene
Concen: 48.612 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

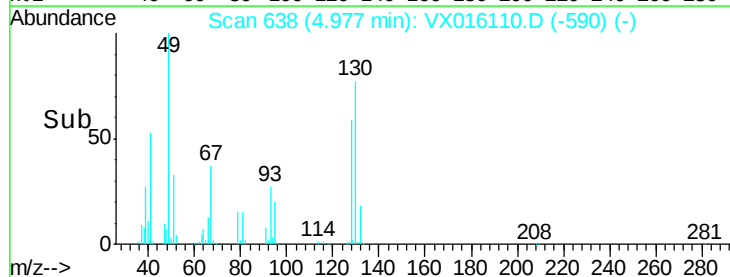
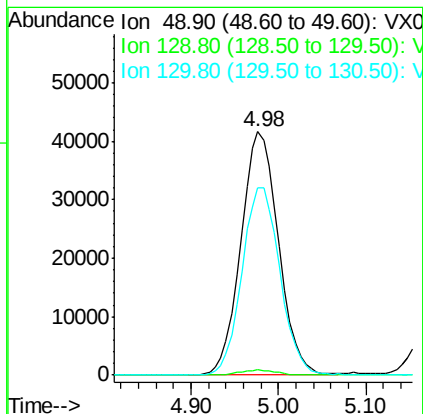
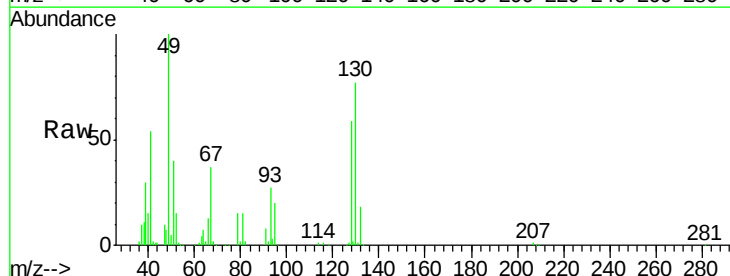
Tot Ion	96	Resp	181251
Ion Ratio	Lower	Upper	
96	100		
61	145.8	0.0	296.2
98	64.4	0.0	129.4

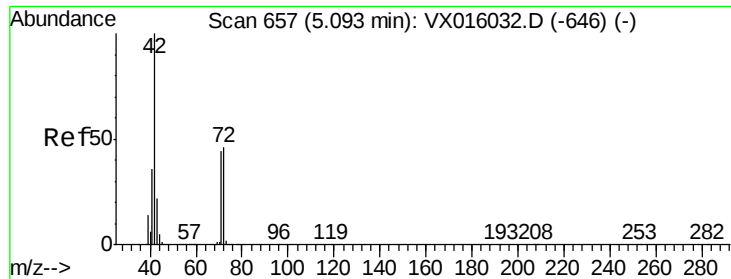


#28

Bromochloromethane
Concen: 46.020 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion	49	Resp	124271
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	78.0	62.4	93.6

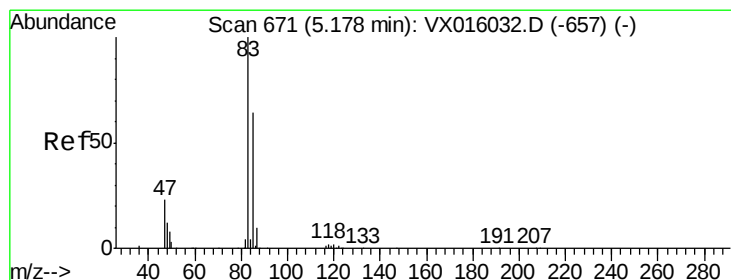
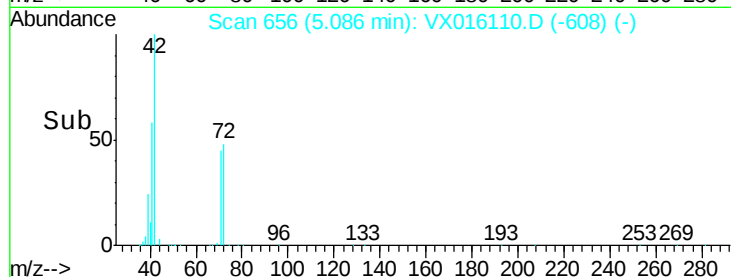
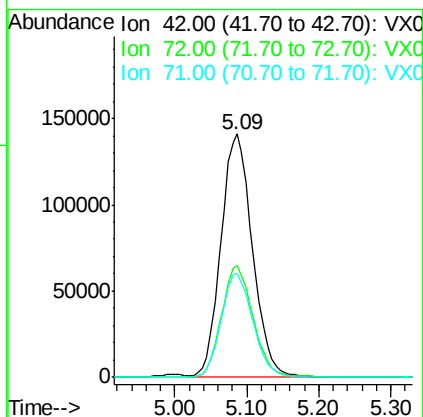
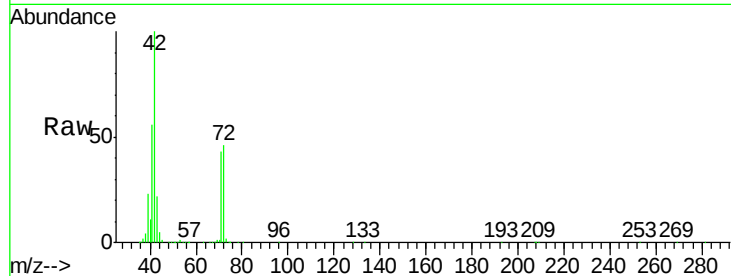




#29
Tetrahydrofuran
Concen: 231.976 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

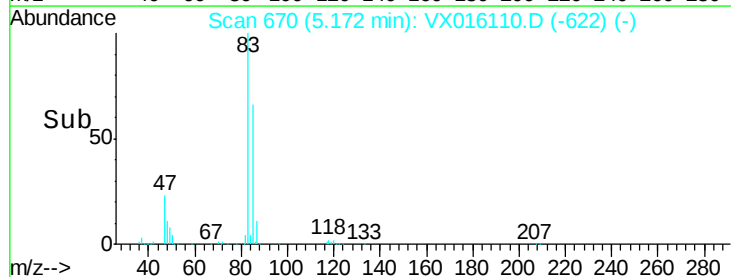
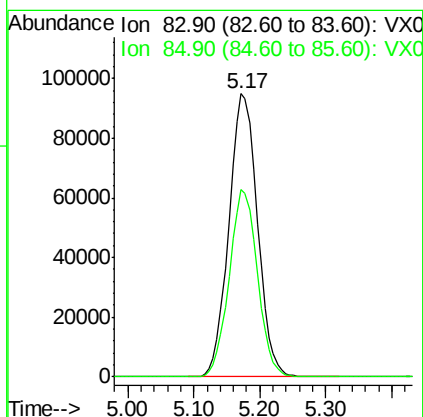
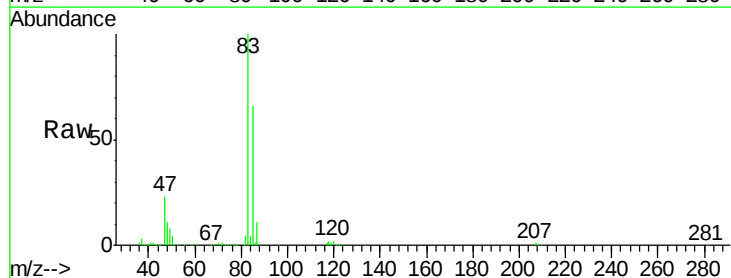
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

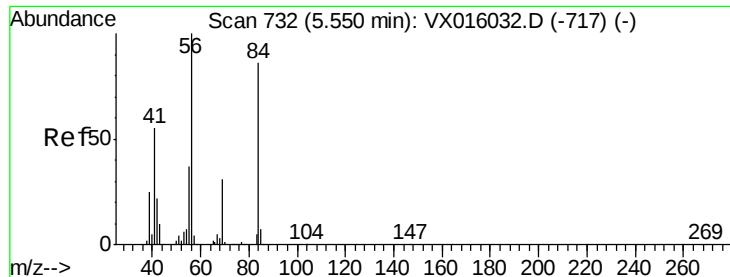
Tot Ion: 42 Resp: 428158
Ion Ratio Lower Upper
42 100
72 46.2 37.1 55.7
71 42.9 34.5 51.7



#30
Chloroform
Concen: 48.210 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 83 Resp: 284265
Ion Ratio Lower Upper
83 100
85 66.3 51.6 77.4

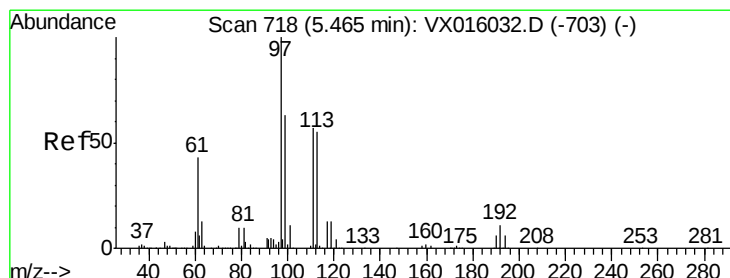
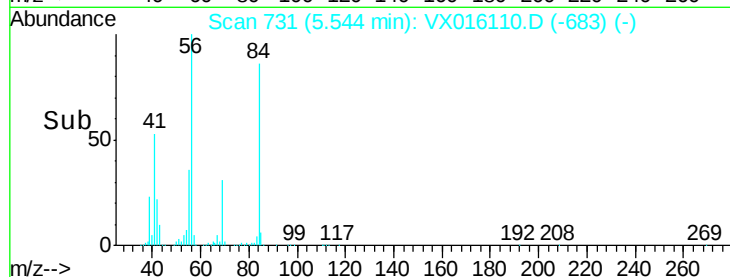
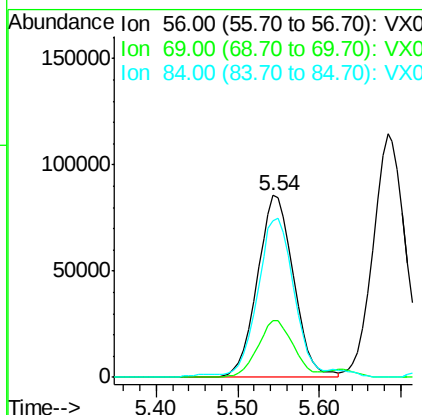
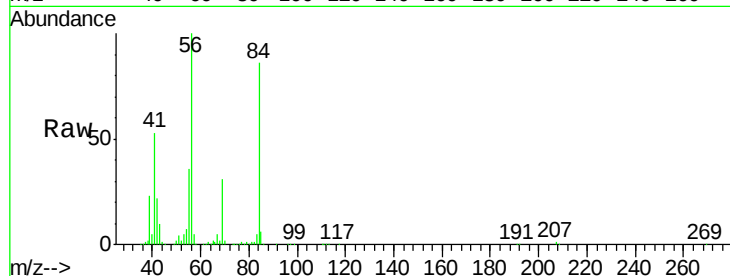




#31
Cyclohexane
Concen: 49.078 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

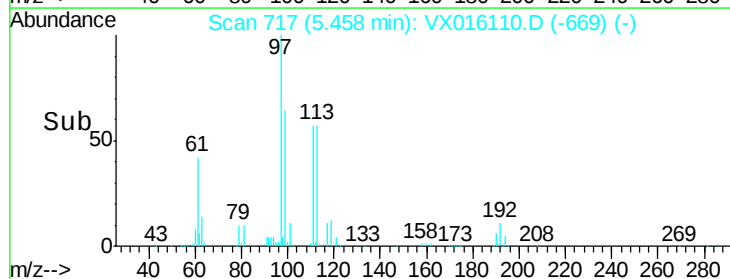
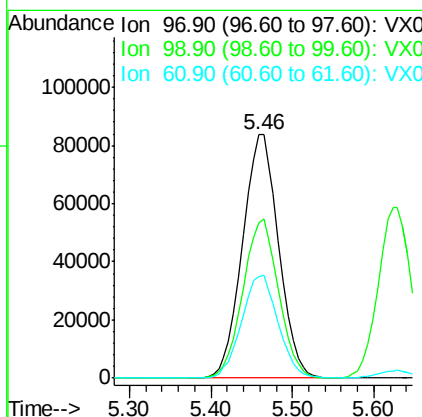
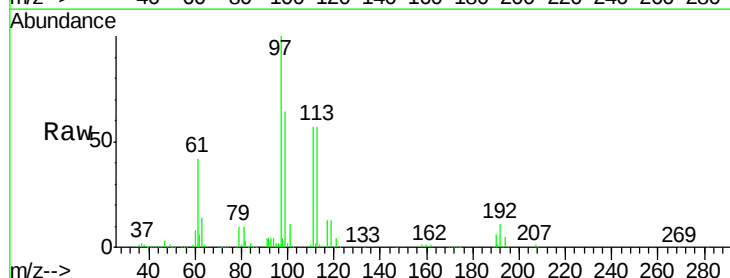
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 264140
Ion Ratio Lower Upper
56 100
69 31.5 25.0 37.6
84 85.4 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 48.228 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 97 Resp: 258489
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 42.7 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 45.764 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

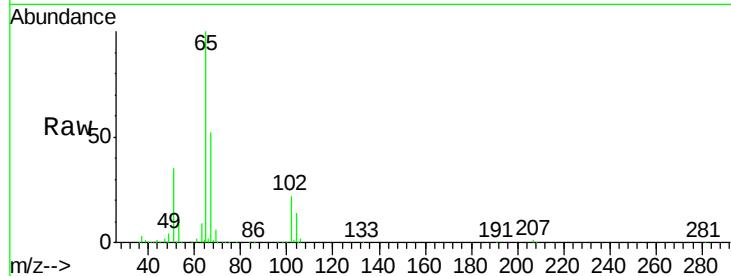
VSTDCCC050

Tot Ion: 65 Resp: 177299

Ion Ratio Lower Upper

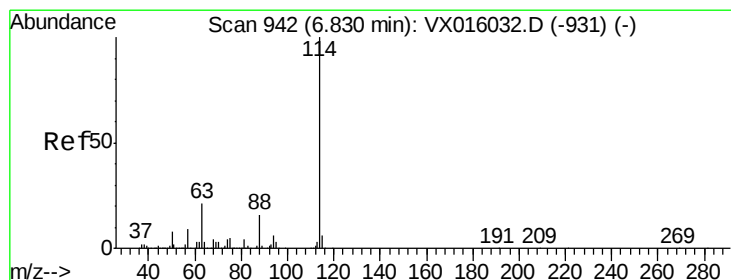
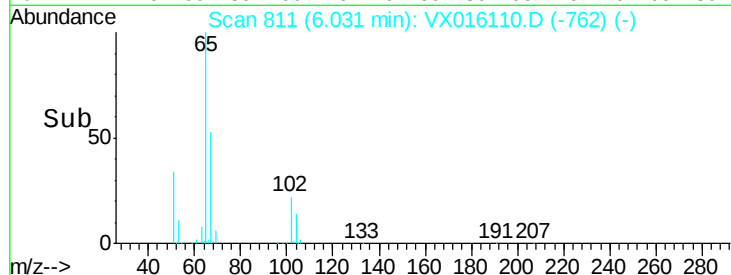
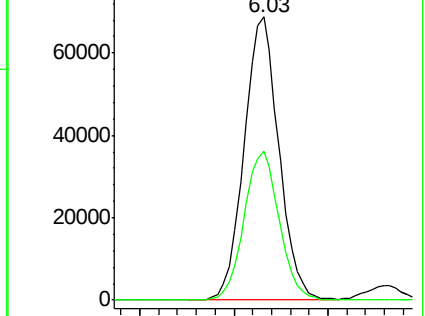
65 100

67 53.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

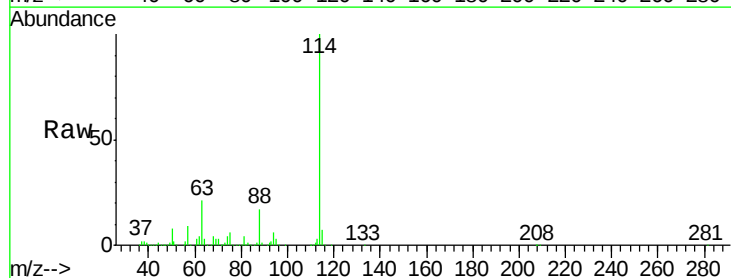
Tgt Ion: 114 Resp: 464155

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

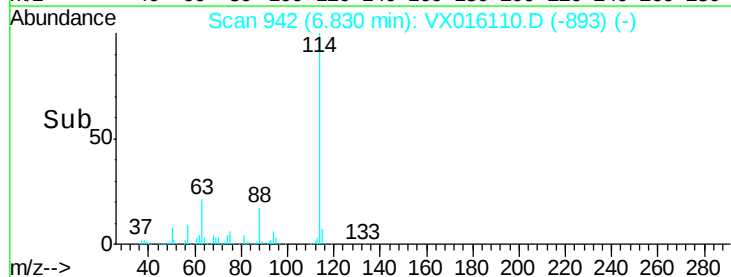
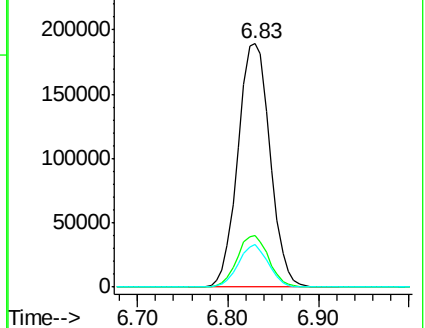
88 17.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

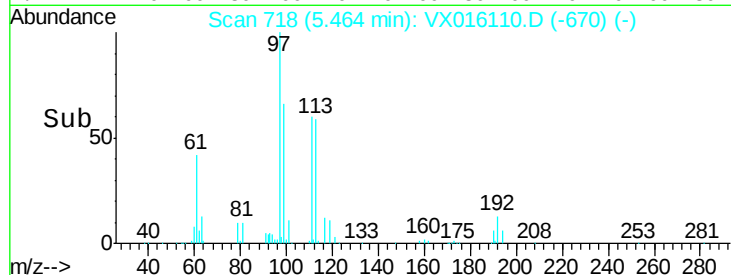
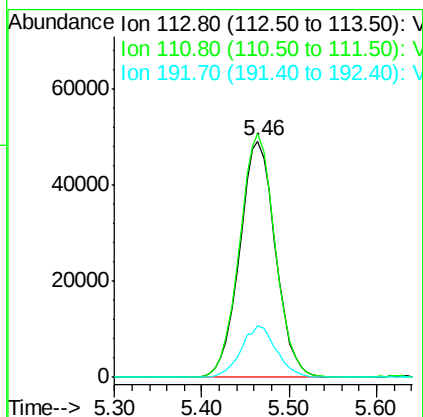
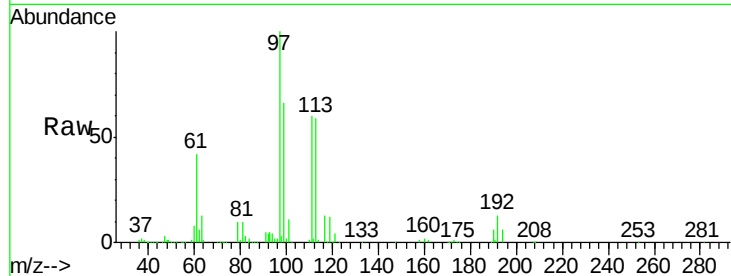




#35
 Dibromofluoromethane
 Concen: 47.451 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

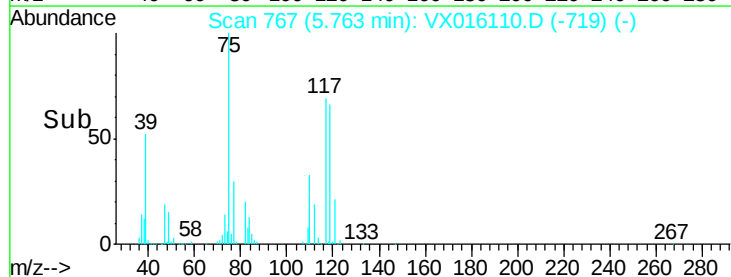
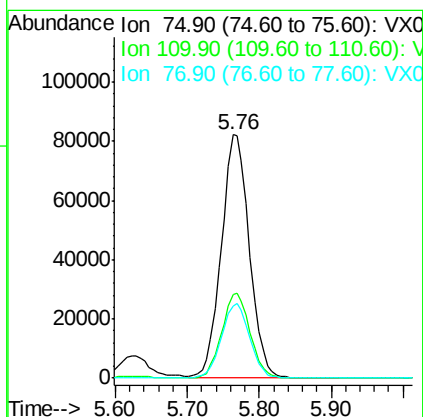
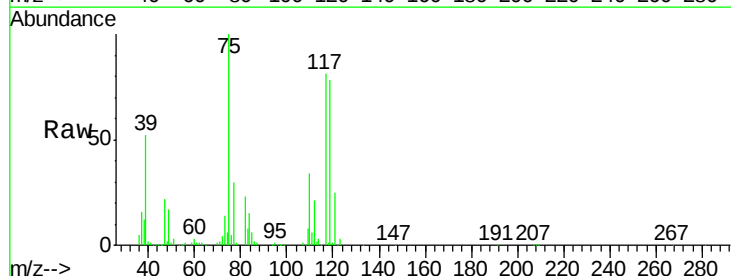
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

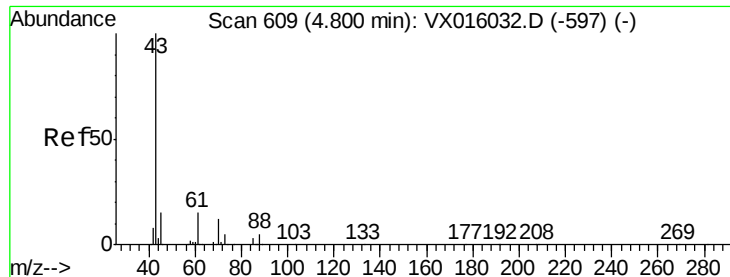
Tot Ion:113 Resp: 139534
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 21.4 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 48.586 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion: 75 Resp: 221987
 Ion Ratio Lower Upper
 75 100
 110 35.0 18.1 54.1
 77 31.0 25.0 37.6

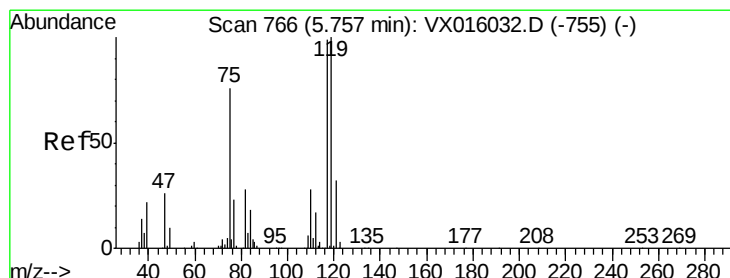
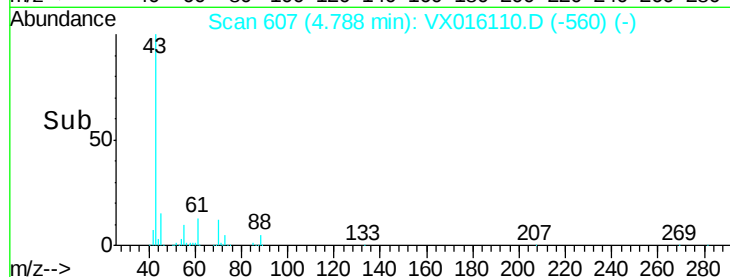
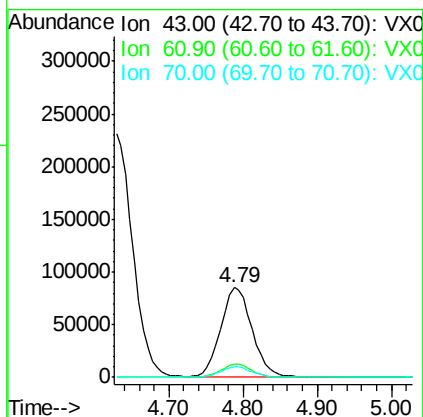
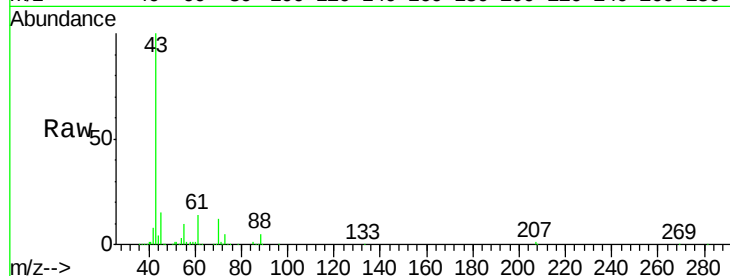




#37
Ethyl Acetate
Concen: 47.180 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

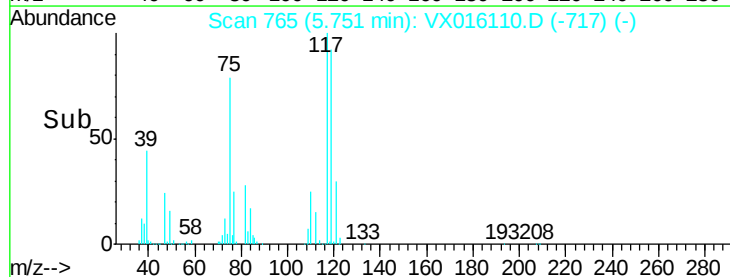
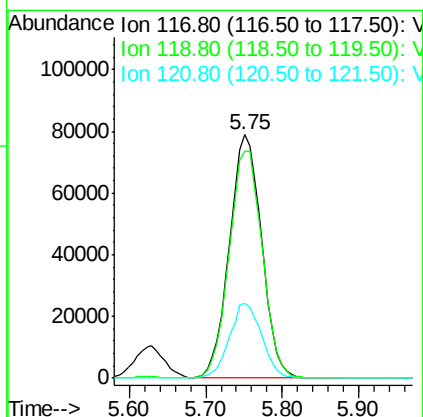
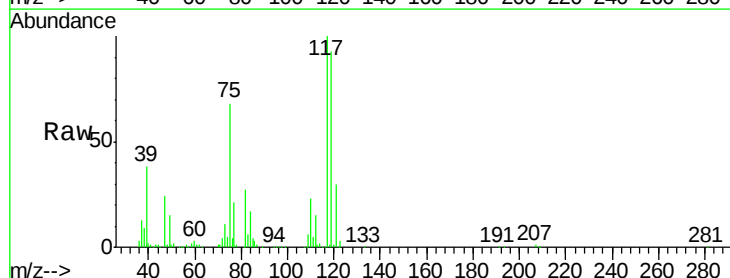
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

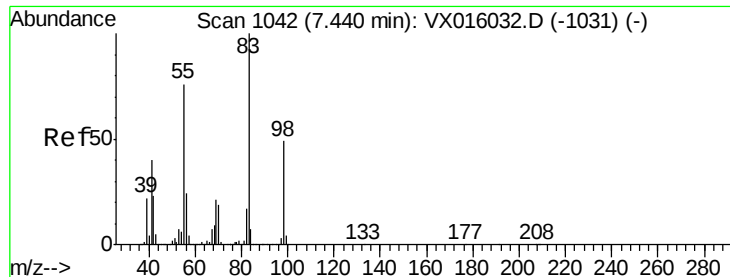
Tot Ion: 43 Resp: 249843
Ion Ratio Lower Upper
43 100
61 14.8 11.7 17.5
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 49.654 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 117 Resp: 230593
Ion Ratio Lower Upper
117 100
119 93.3 80.3 120.5
121 30.4 25.7 38.5

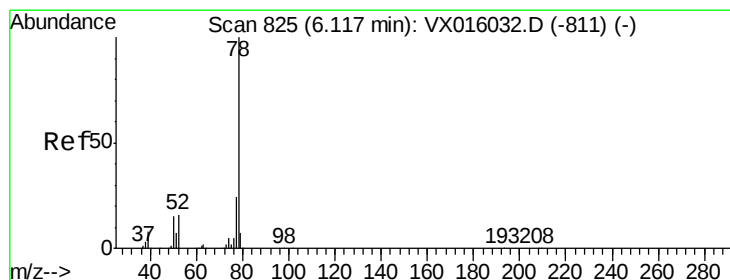
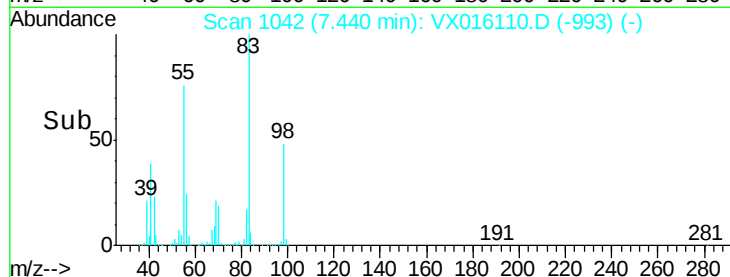
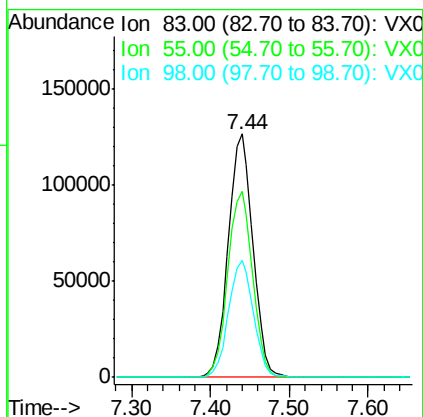
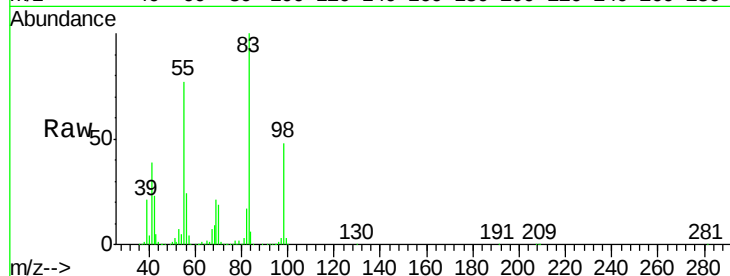




#39
Methvlcvclohexane
Concen: 49.857 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

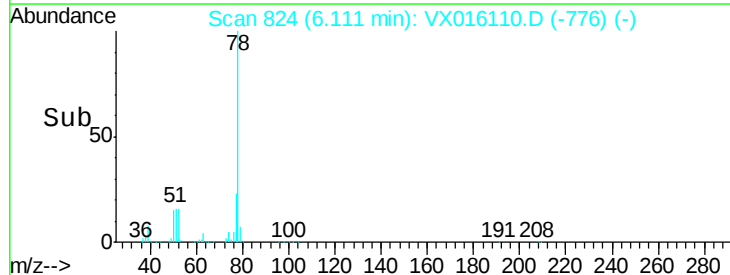
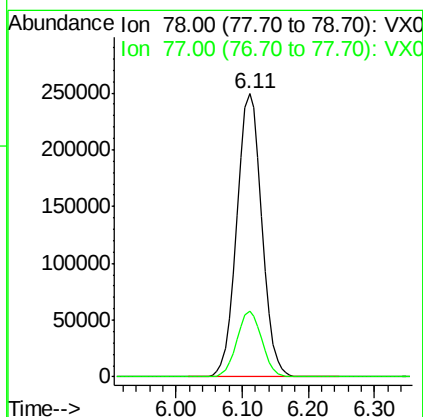
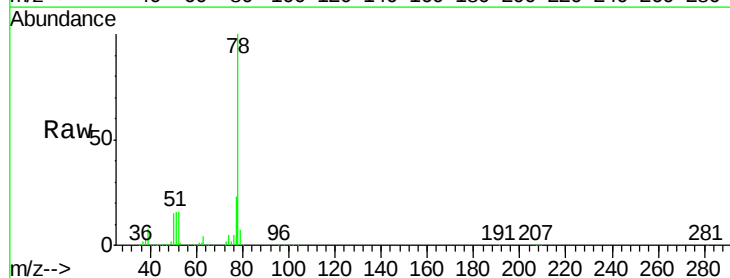
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 274328
Ion Ratio Lower Upper
83 100
55 76.5 61.1 91.7
98 47.8 39.0 58.4



#40
Benzene
Concen: 48.882 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 78 Resp: 653479
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

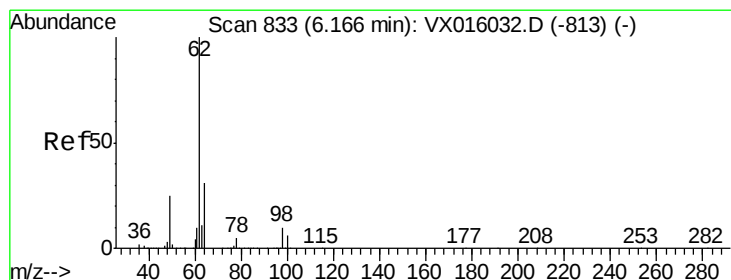
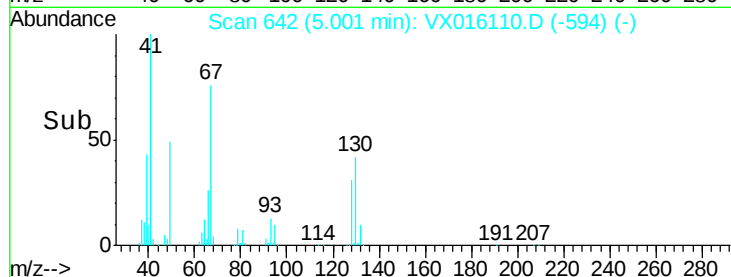
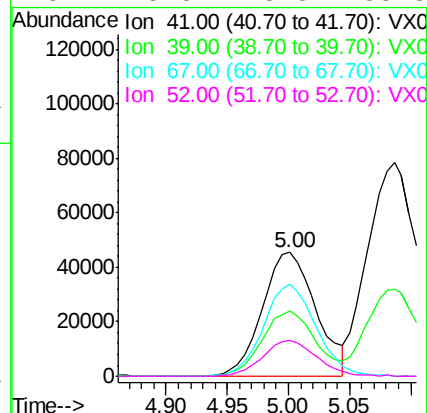
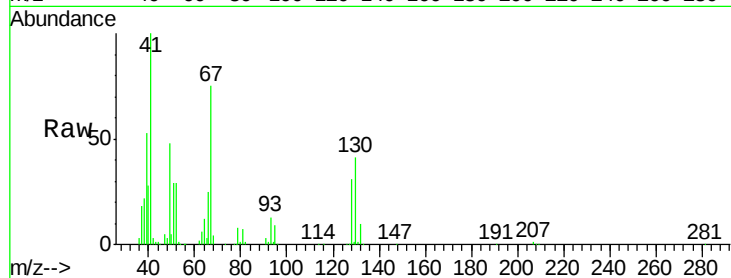




#41
Methacrylonitrile
Concen: 48.340 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

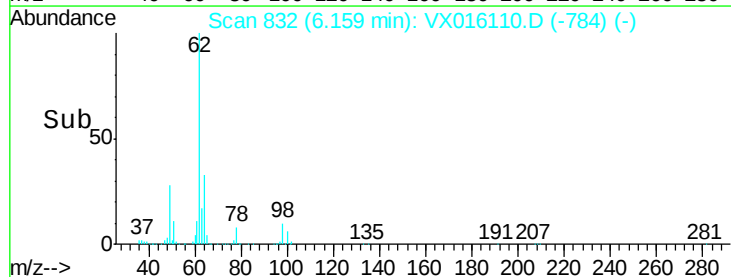
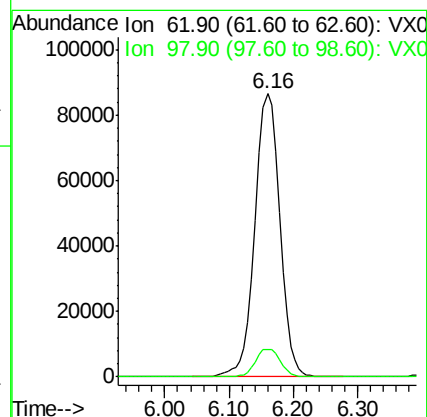
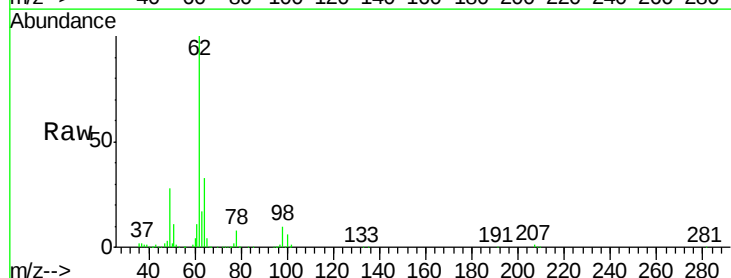
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	138246
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.2	64.8
67	73.3	59.3	88.9
52	28.8	23.5	35.3



#42
1,2-Dichloroethane
Concen: 47.715 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion:	62	Resp:	229787
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4

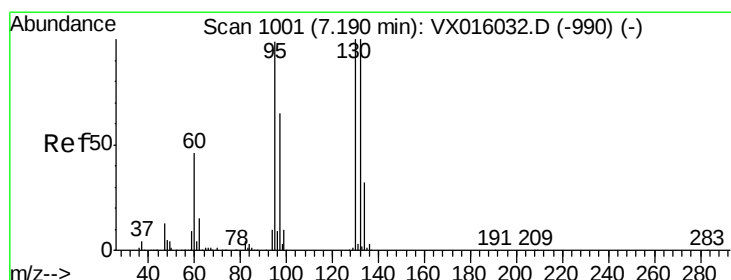
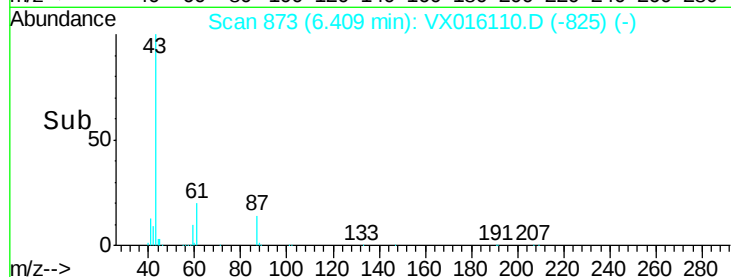
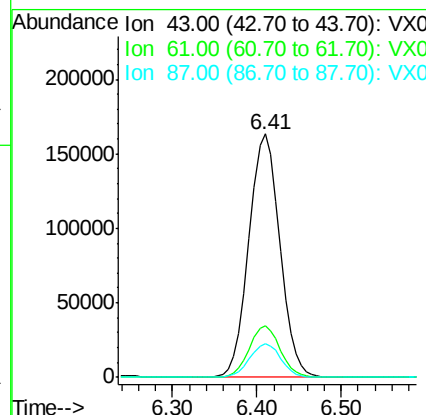
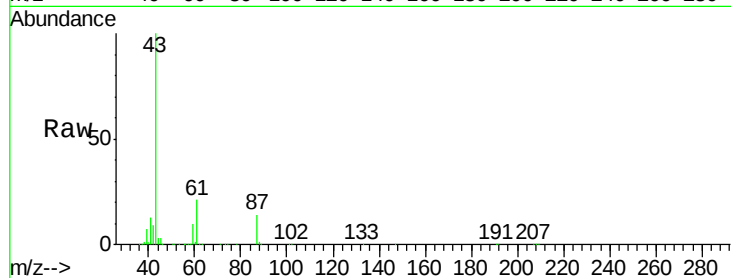




#43
Isopropyl Acetate
Concen: 48.001 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

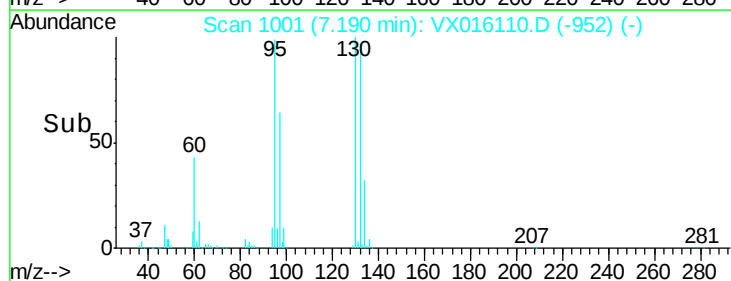
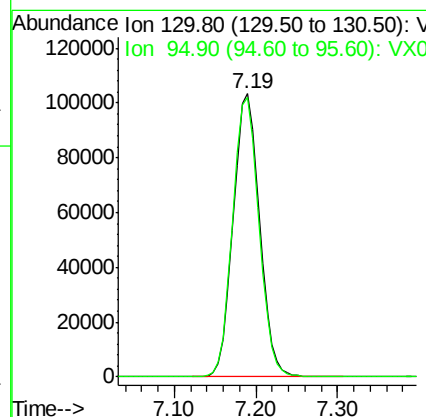
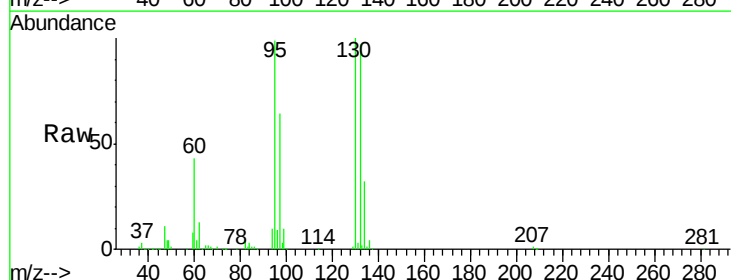
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.0	25.4
87	14.0	11.0	16.6



#44
Trichloroethene
Concen: 48.366 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	197.4

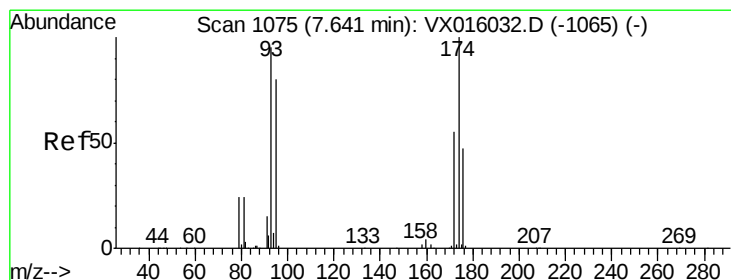
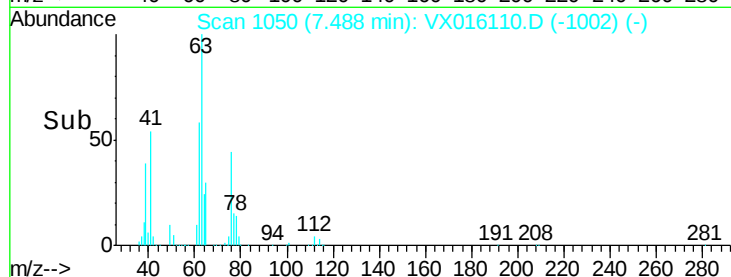
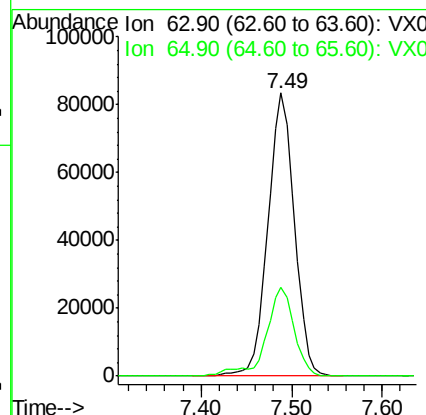
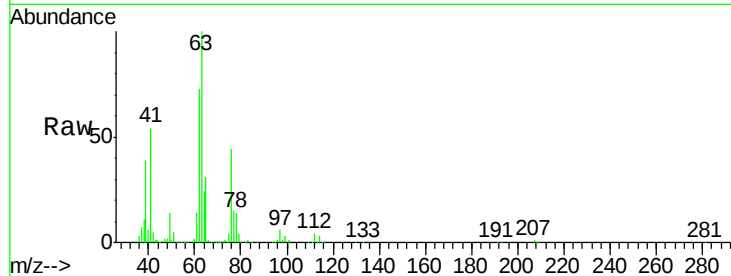




#45
 1,2-Dichloropropane
 Concen: 49.827 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

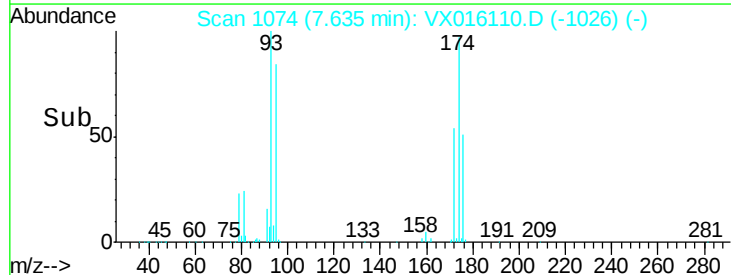
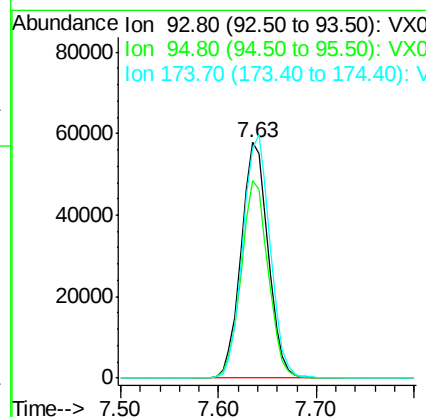
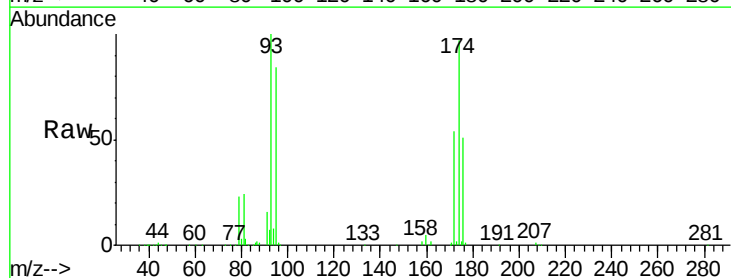
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 168551
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6



#46
 Dibromomethane
 Concen: 48.285 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion: 93 Resp: 110997
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 104.4 84.2 126.4





#47

Bromodichloromethane

Concen: 49.948 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

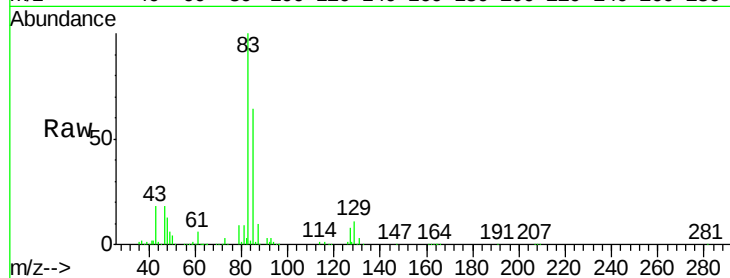
Tot Ion: 83 Resp: 233848

Ion Ratio Lower Upper

83 100

85 64.0 50.5 75.7

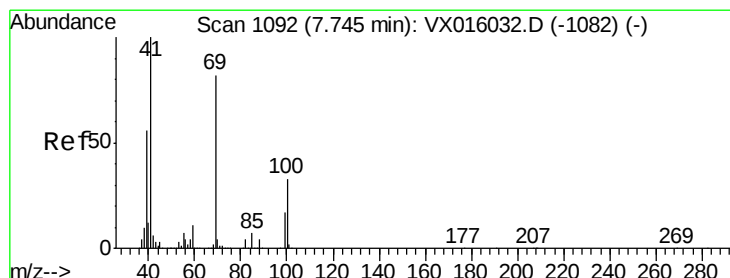
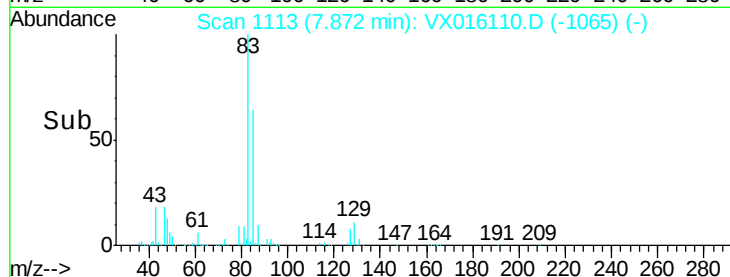
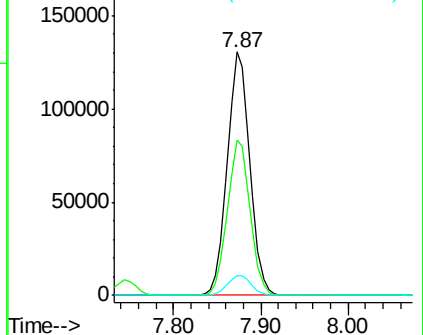
127 8.2 6.7 10.1



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: 48.081 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

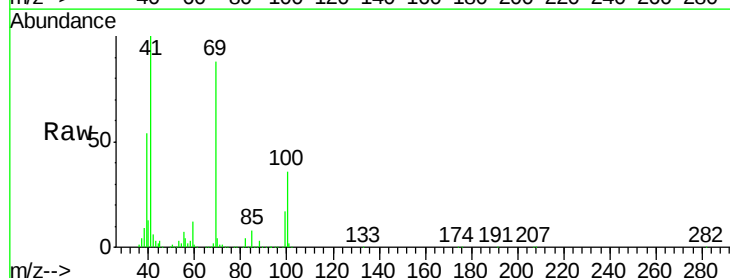
Tgt Ion: 41 Resp: 192500

Ion Ratio Lower Upper

41 100

69 86.2 67.8 101.6

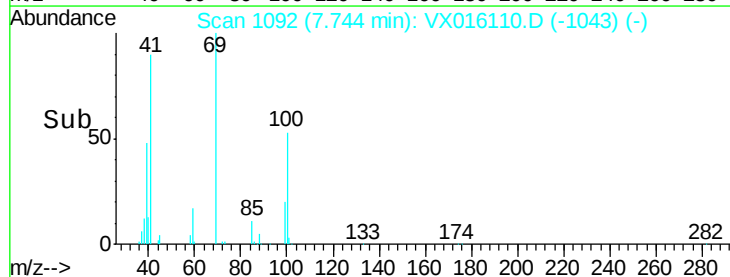
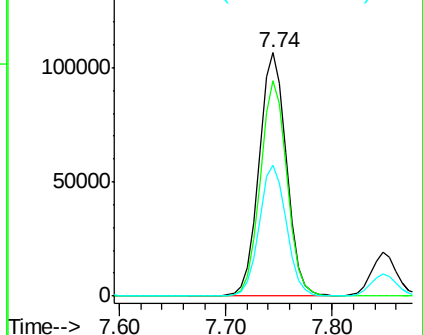
39 53.2 44.6 67.0

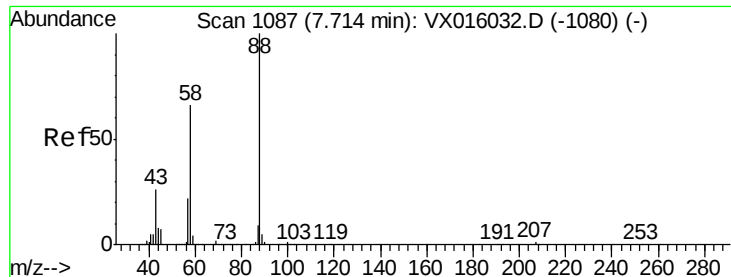


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 941.754 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

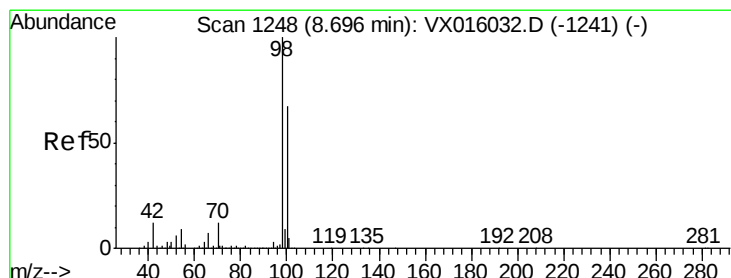
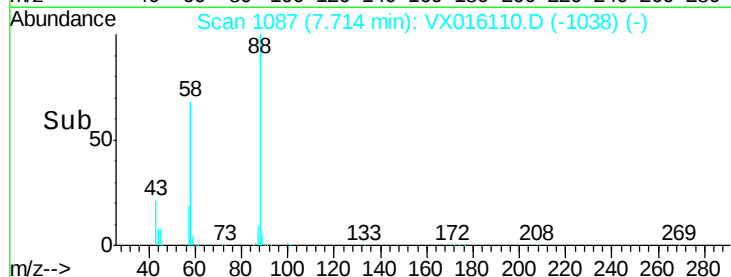
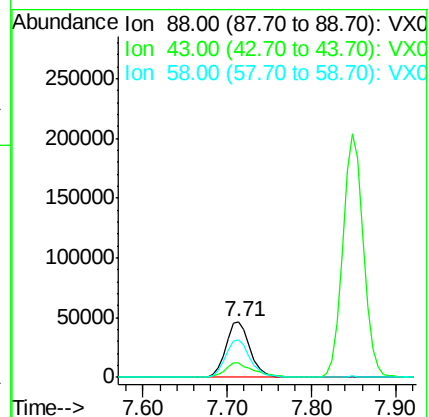
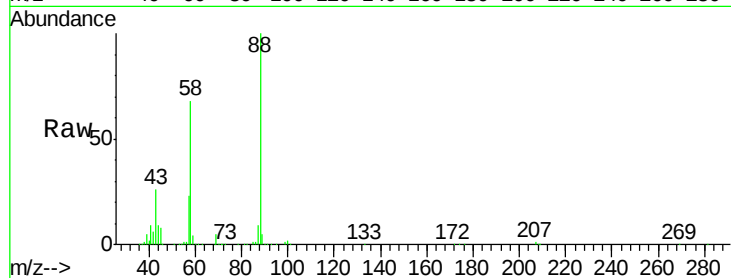
Tot Ion: 88 Resp: 90428

Ion Ratio Lower Upper

88 100

43 30.8 25.3 37.9

58 69.7 55.9 83.9



#50

Toluene-d8

Concen: 48.511 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016110.D

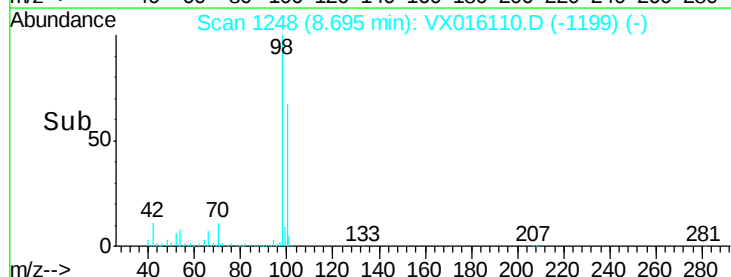
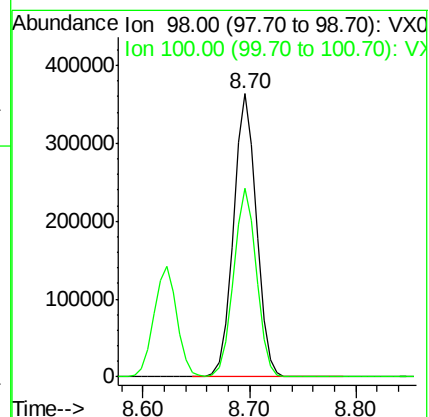
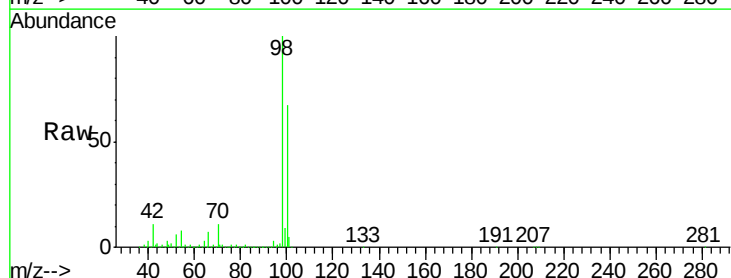
Acq: 08 May 2020 10:32

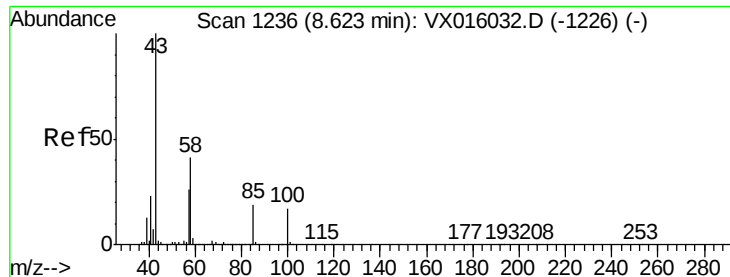
Tgt Ion: 98 Resp: 549654

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 242.891 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

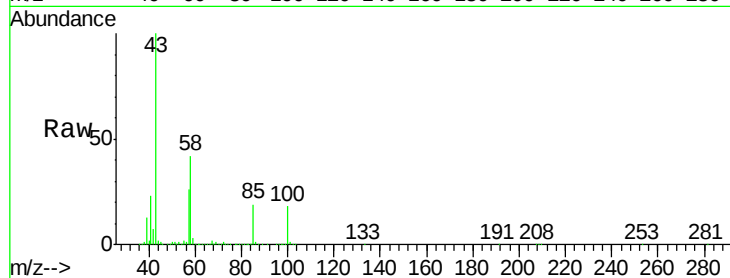
VSTDCCC050

Tot Ion: 43 Resp: 1255853

Ion Ratio Lower Upper

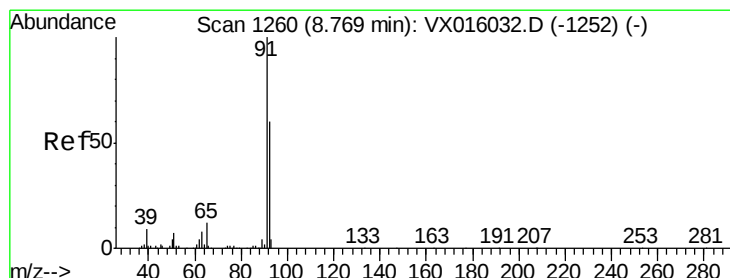
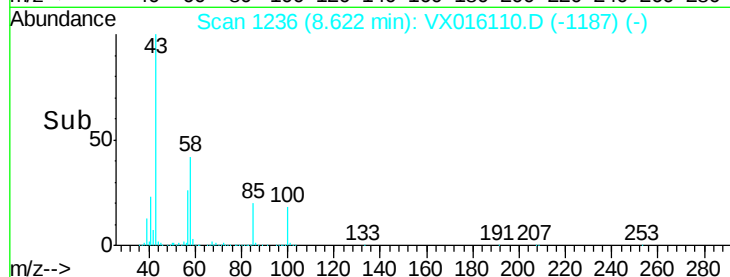
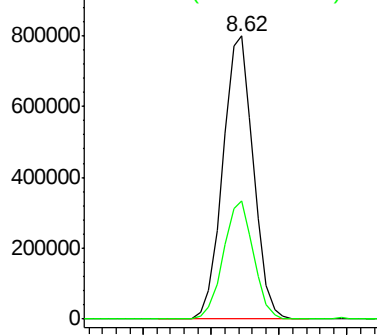
43 100

58 41.3 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.540 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016110.D

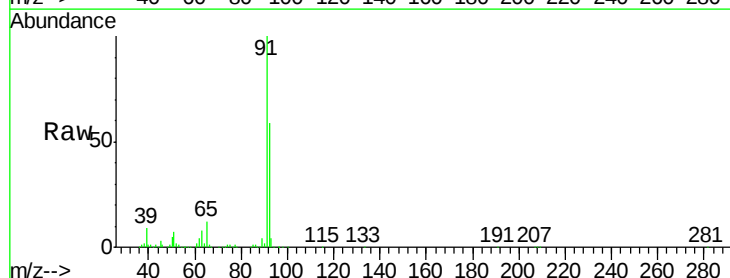
Acq: 08 May 2020 10:32

Tgt Ion: 92 Resp: 412810

Ion Ratio Lower Upper

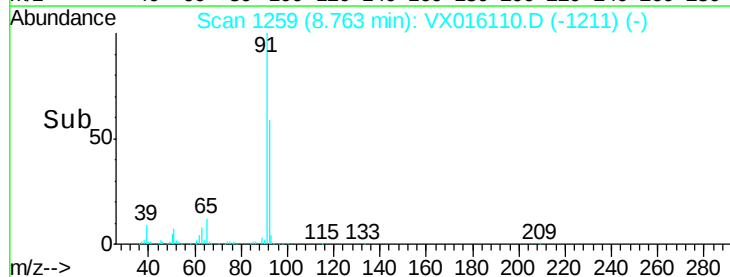
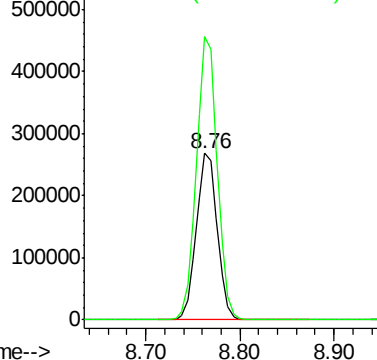
92 100

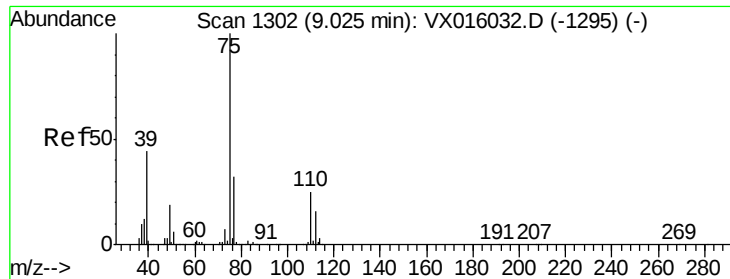
91 168.7 134.5 201.7



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: 48.932 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

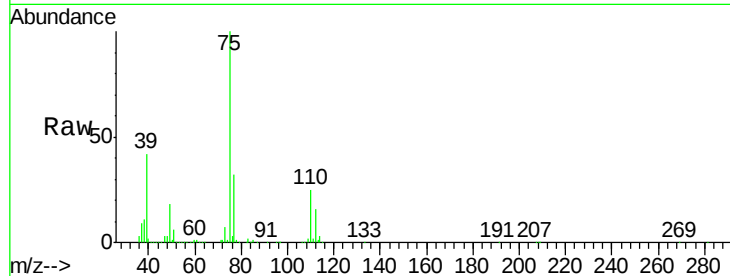
VSTDCCC050

Tot Ion: 75 Resp: 273148

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

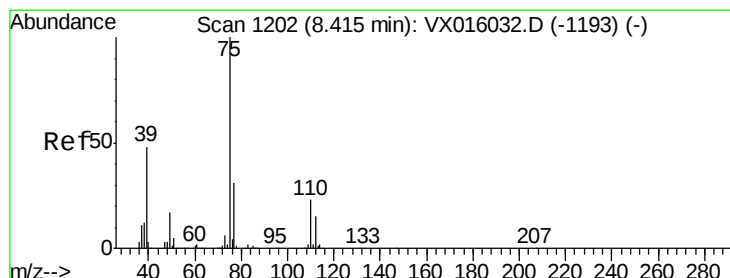
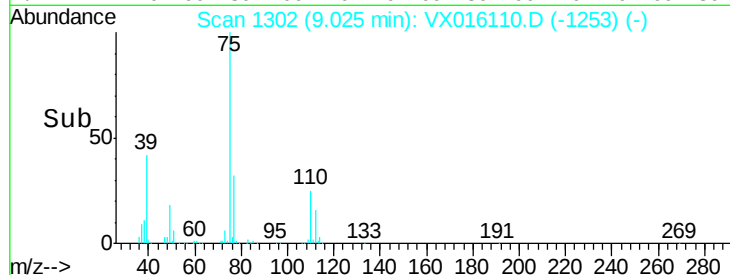
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.377 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

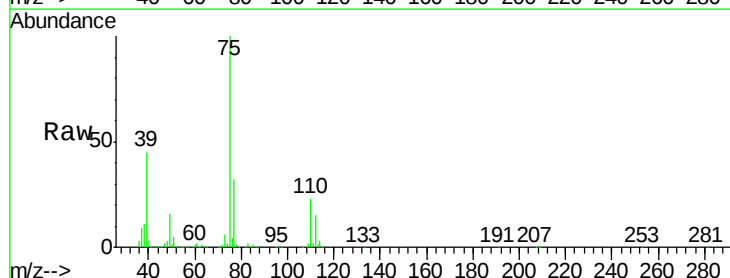
Tgt Ion: 75 Resp: 287899

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 44.5 38.7 58.1



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

250000

200000

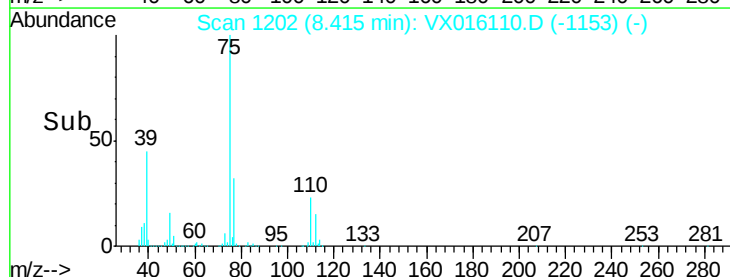
150000

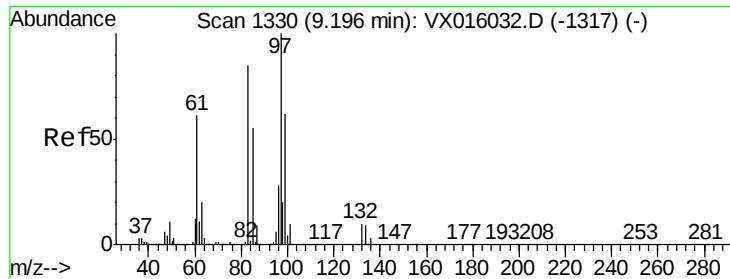
100000

50000

0

Time-->

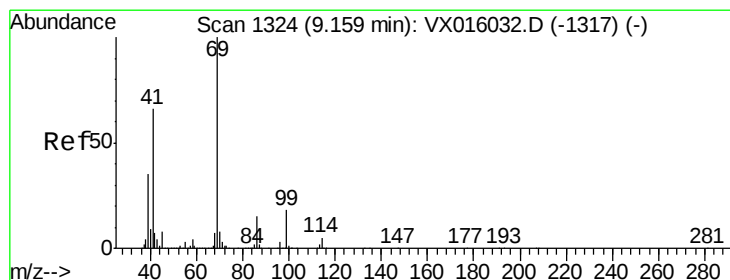
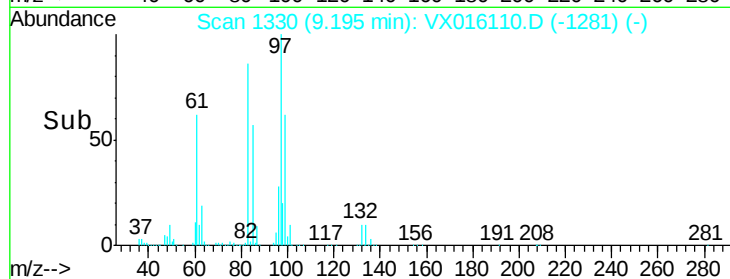
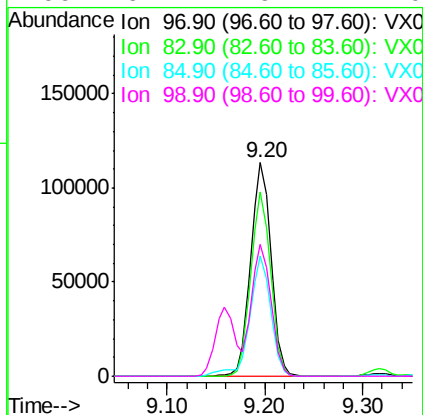
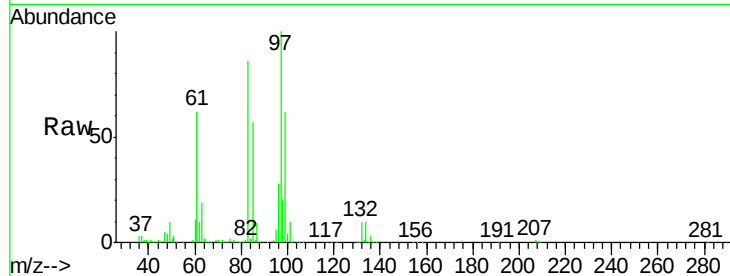




#55
 1,1,2-Trichloroethane
 Concen: 50.281 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

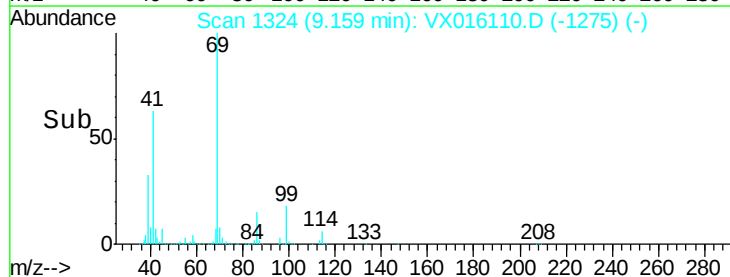
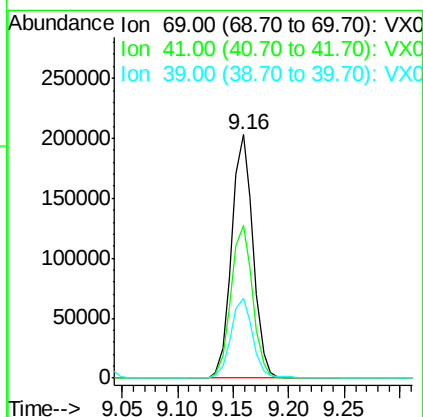
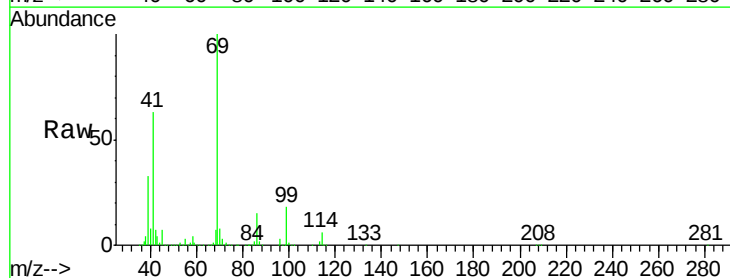
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

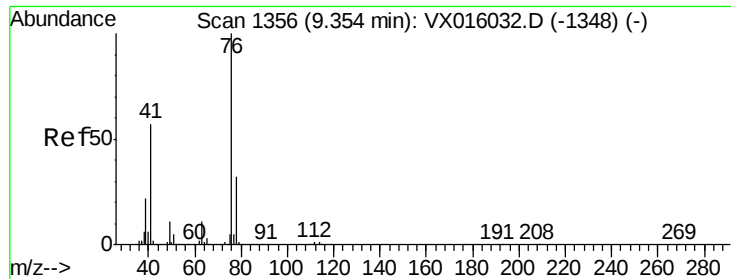
Tot Ion:	97	Resp:	164843
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.8	101.8
85	56.6	43.8	65.8
99	61.7	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 50.462 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion:	69	Resp:	270046
Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.2	78.4
39	33.3	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.859 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

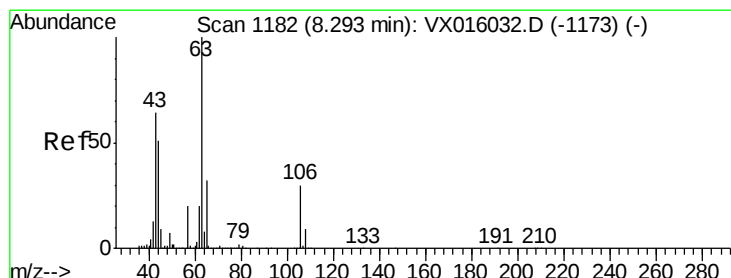
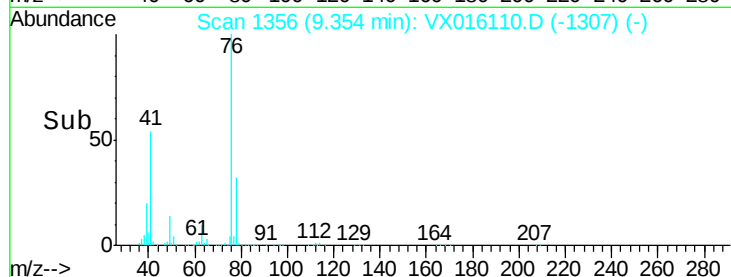
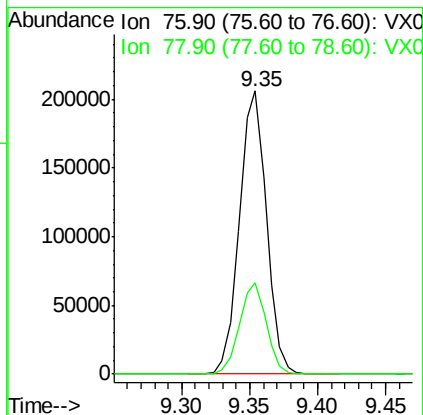
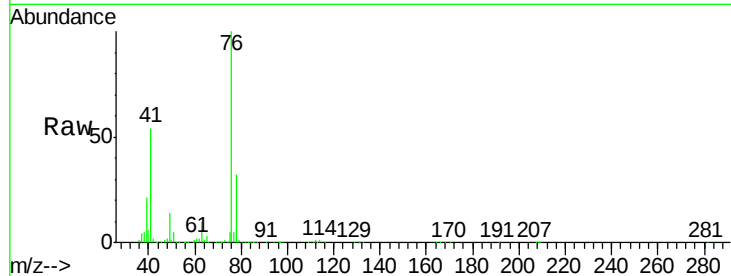
VSTDCCC050

Tot Ion: 76 Resp: 285218

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 247.009 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016110.D

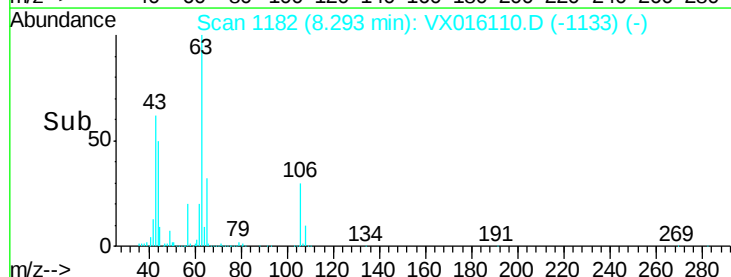
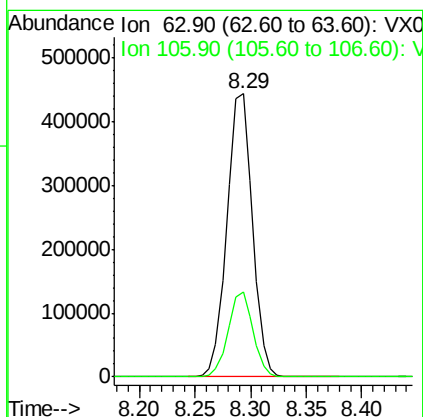
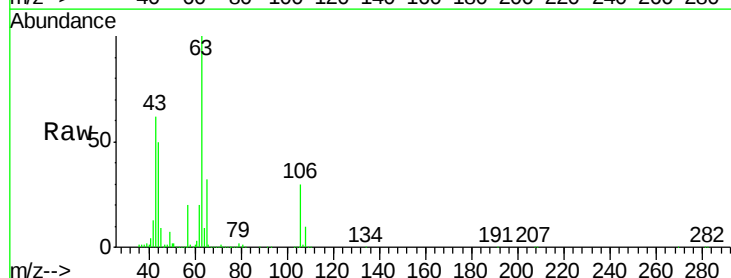
Acq: 08 May 2020 10:32

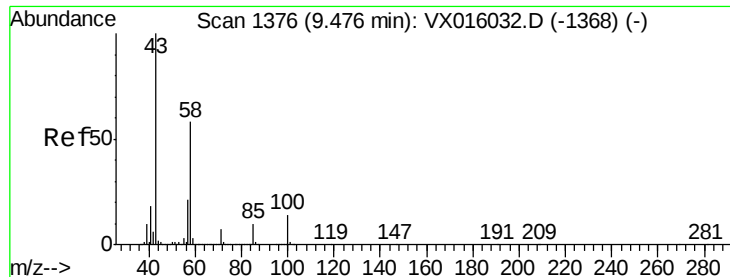
Tgt Ion: 63 Resp: 703722

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2

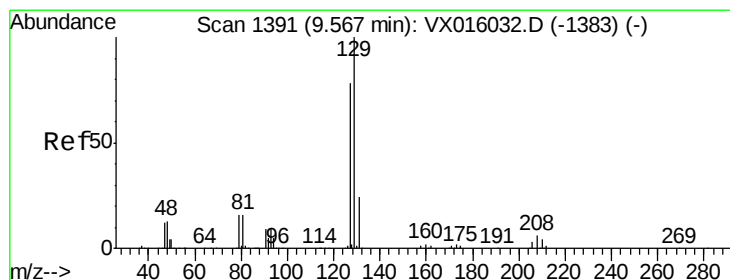
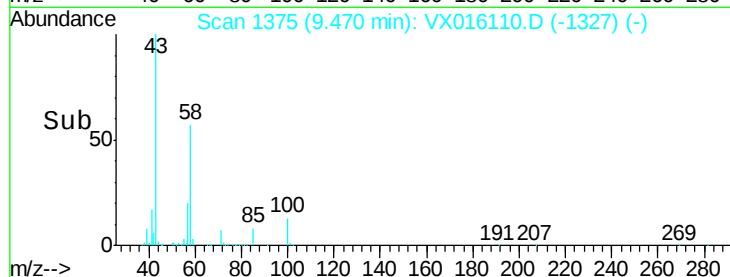
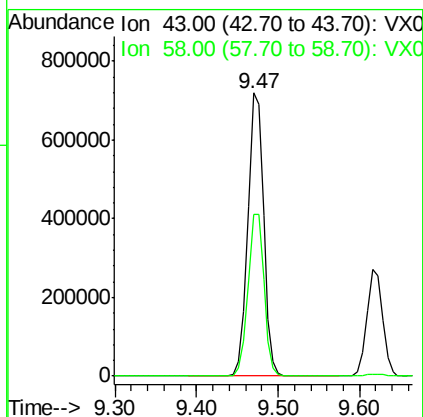
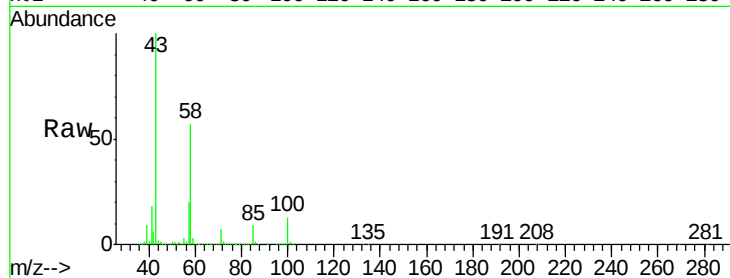




#59
2-Hexanone
Concen: 239.069 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

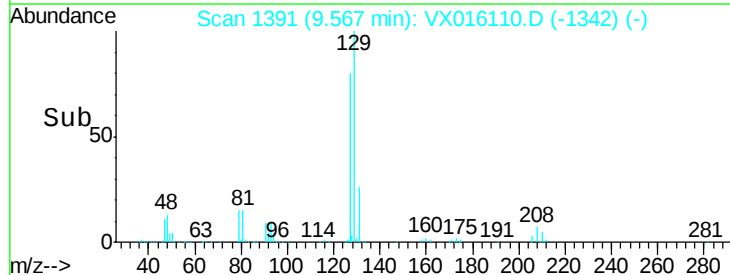
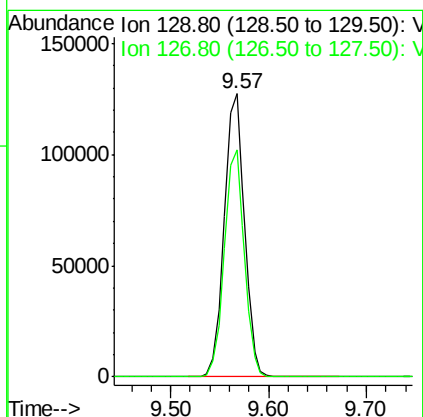
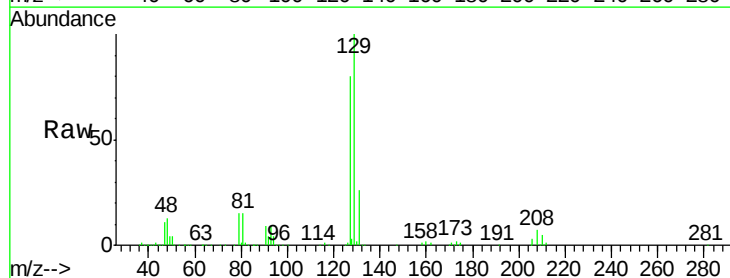
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

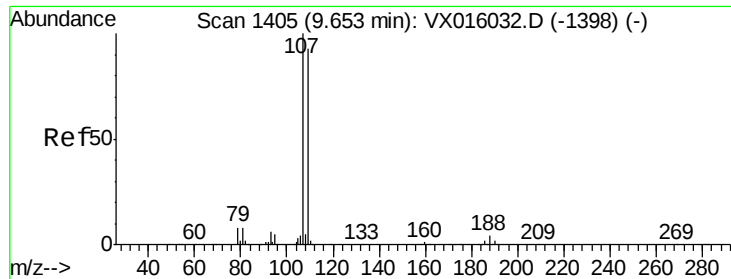
Tot Ion: 43 Resp: 970733
Ion Ratio Lower Upper
43 100
58 58.2 28.6 85.9



#60
Dibromochloromethane
Concen: 50.704 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 129 Resp: 183078
Ion Ratio Lower Upper
129 100
127 79.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 49.174 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

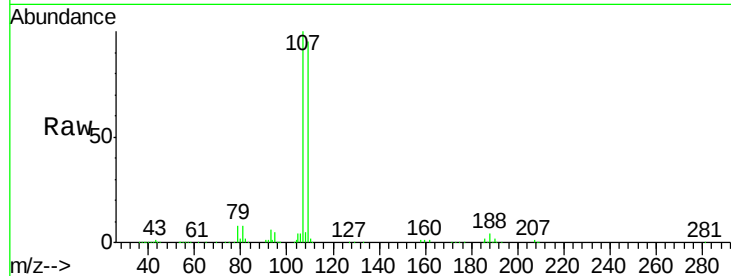
VSTDCCC050

Tot Ion: 107 Resp: 174623

Ion Ratio Lower Upper

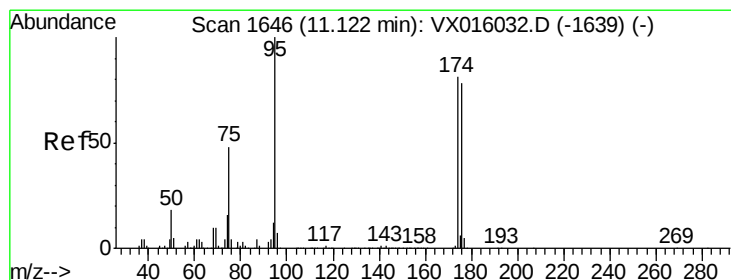
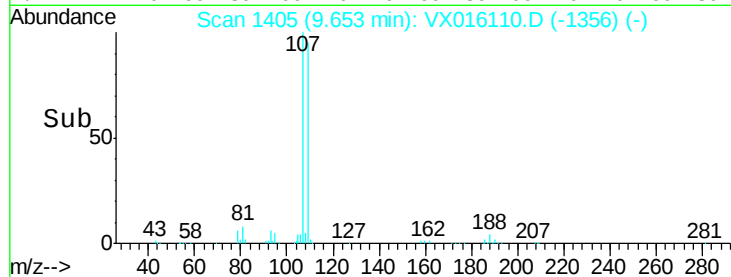
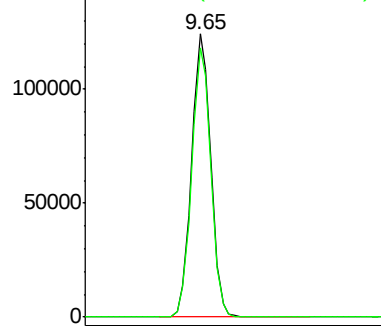
107 100

109 95.0 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.939 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

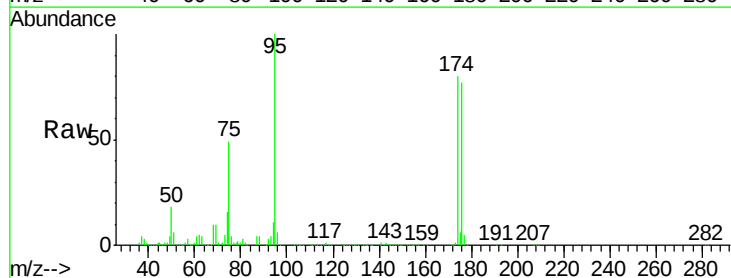
Tgt Ion: 95 Resp: 210906

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

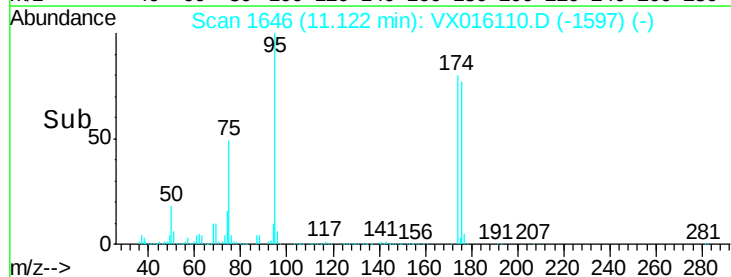
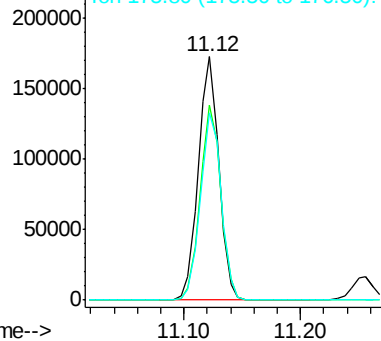
176 78.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

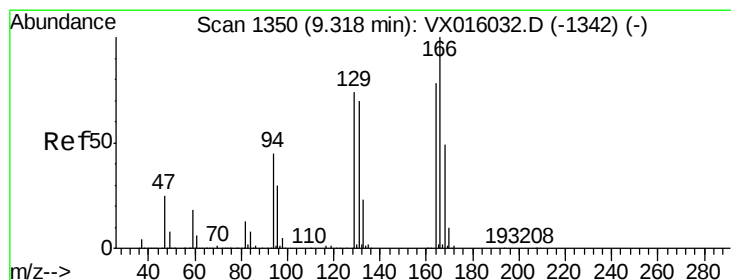
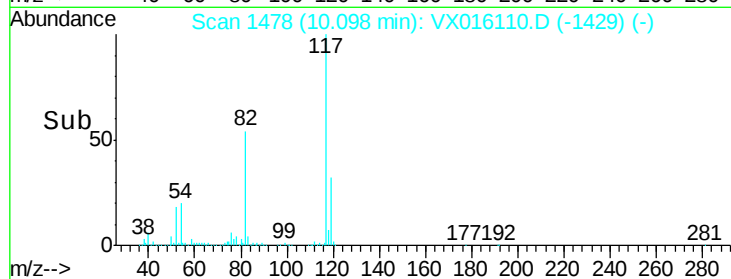
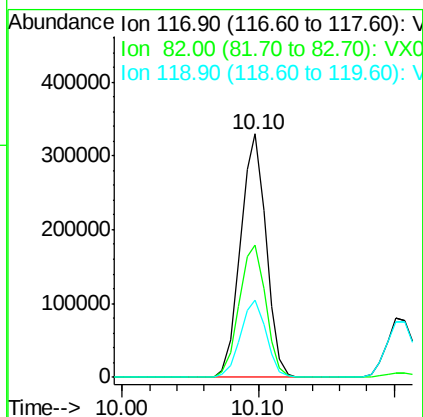
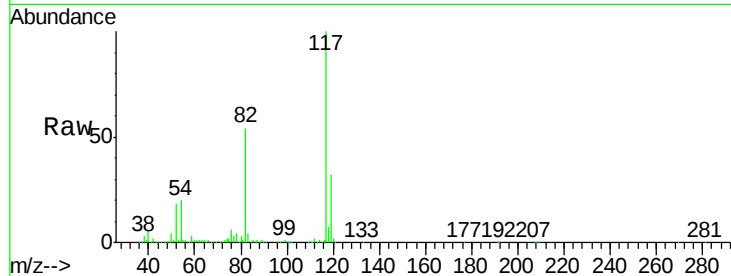




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

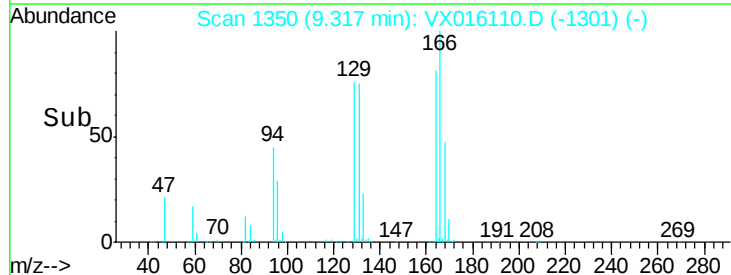
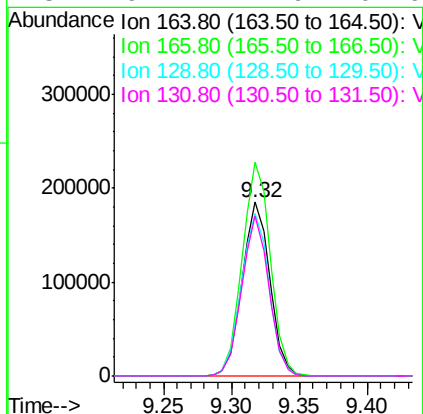
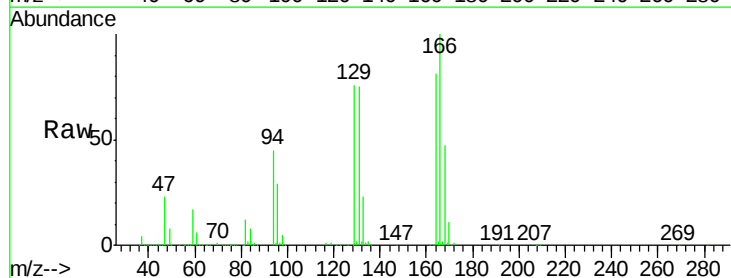
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

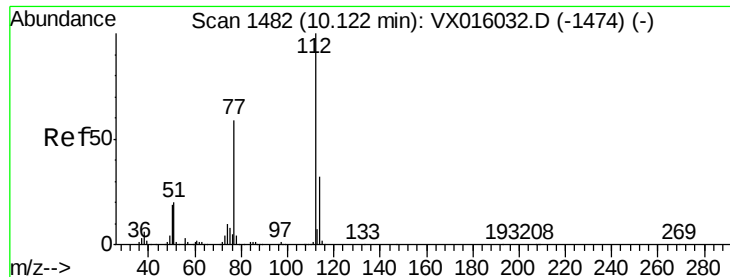
Tot Ion:117 Resp: 432931
Ion Ratio Lower Upper
117 100
82 54.2 44.4 66.6
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 49.589 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion:164 Resp: 263556
Ion Ratio Lower Upper
164 100
166 123.0 102.9 154.3
129 93.5 76.1 114.1
131 92.2 71.9 107.9

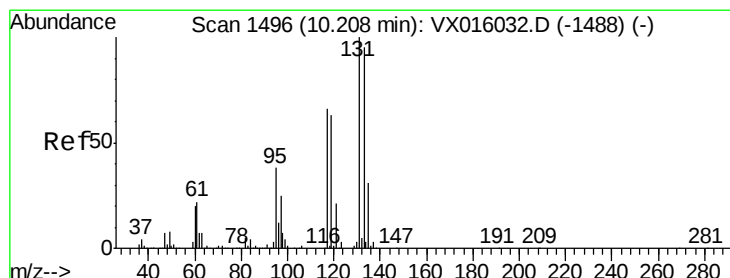
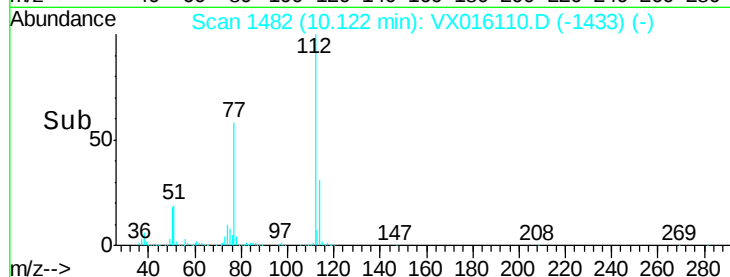
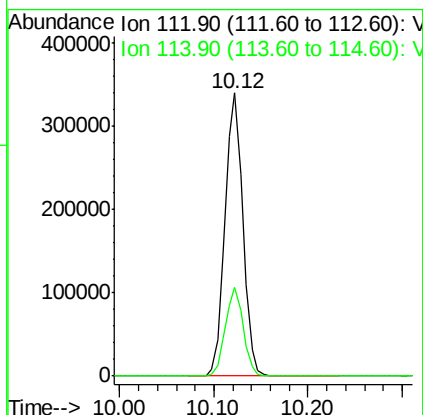
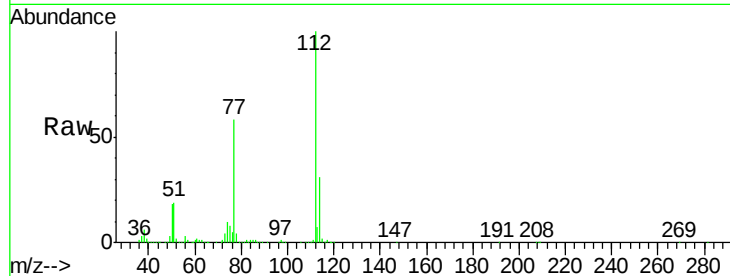




#65
Chlorobenzene
Concen: 49.208 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

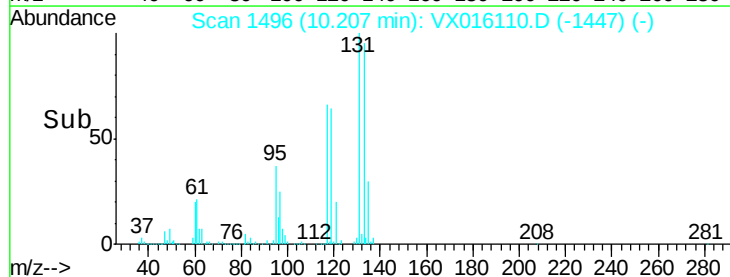
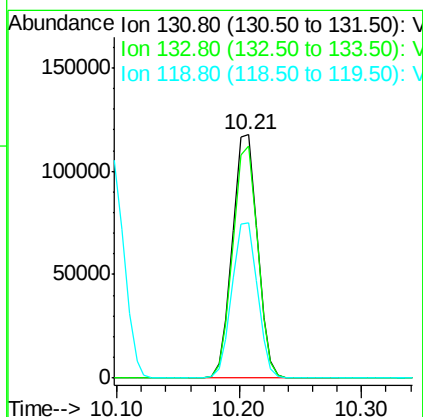
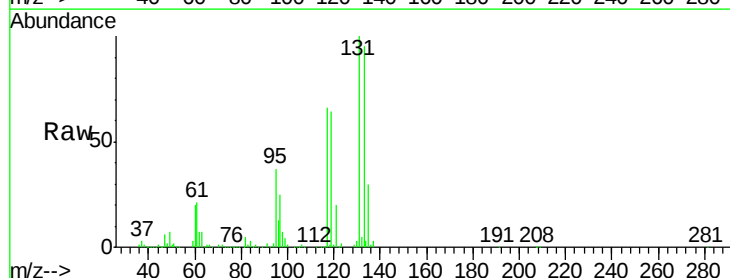
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

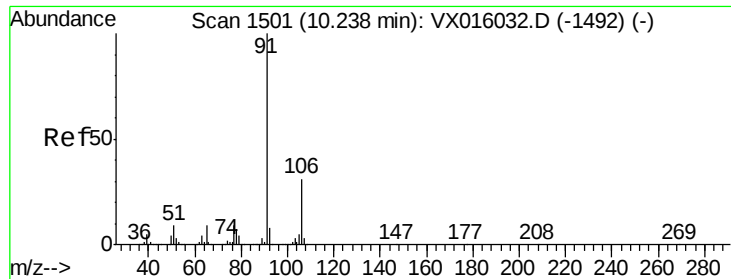
Tot Ion:112 Resp: 446077
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.573 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion:131 Resp: 166097
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.8
119 64.7 32.3 96.9

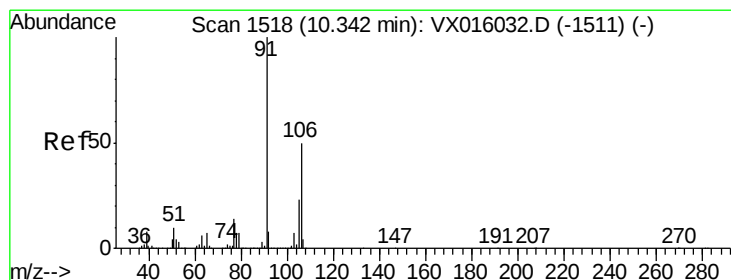
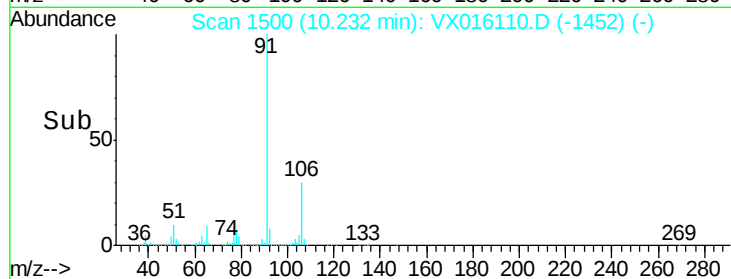
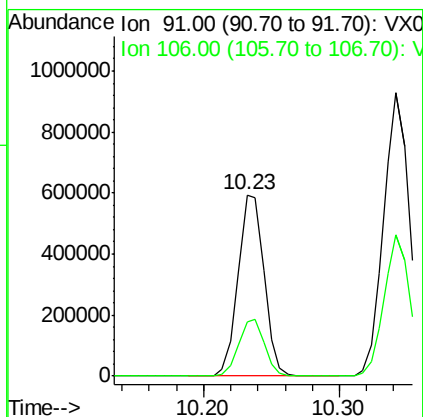
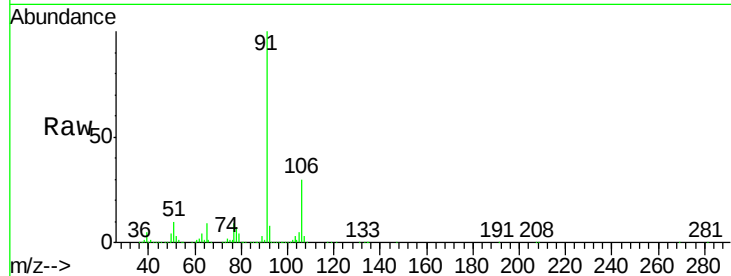




#67
Ethyl Benzene
Concen: 48.865 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

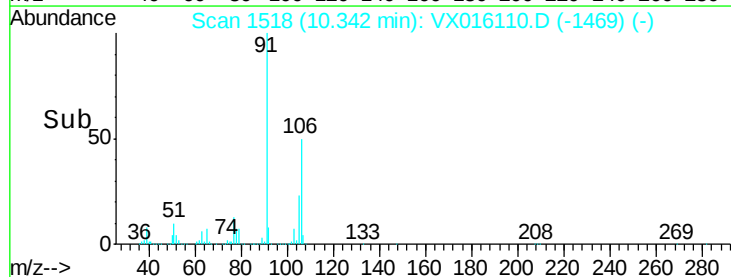
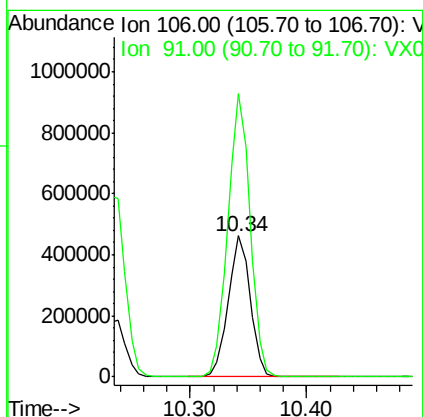
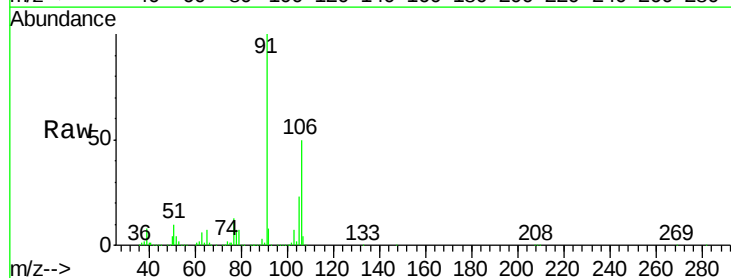
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 790357
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7



#68
m/p-Xylenes
Concen: 100.136 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 106 Resp: 606821
Ion Ratio Lower Upper
106 100
91 202.8 161.7 242.5

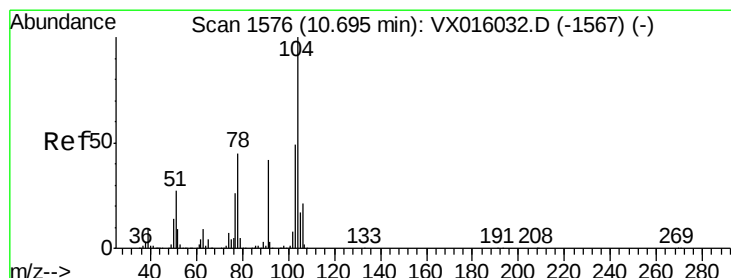
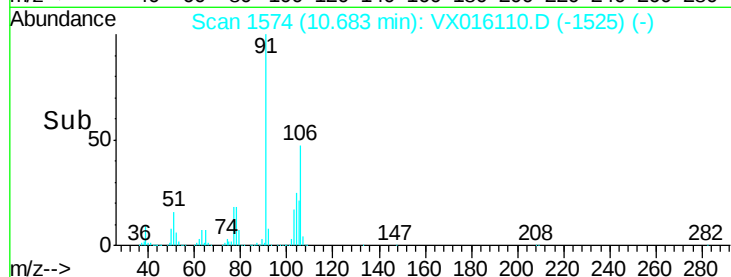
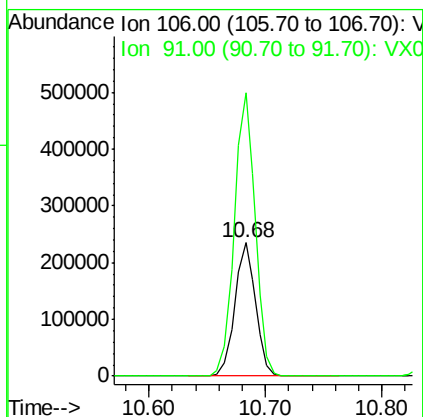
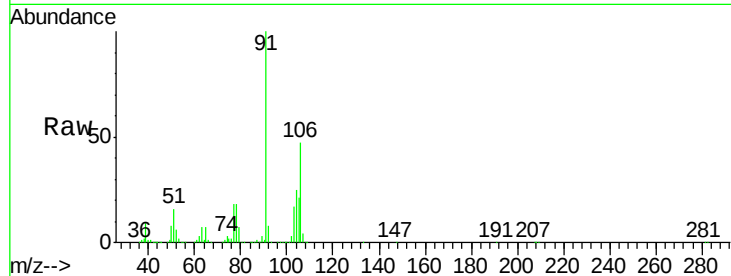




#69
o-Xylene
Concen: 49.975 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

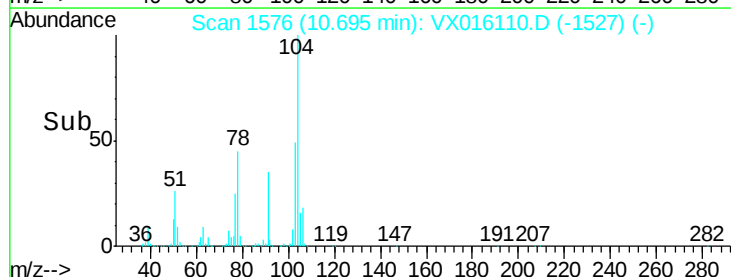
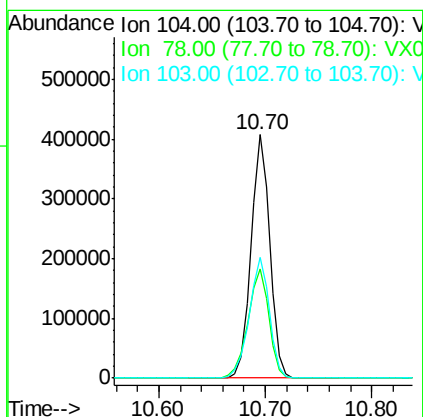
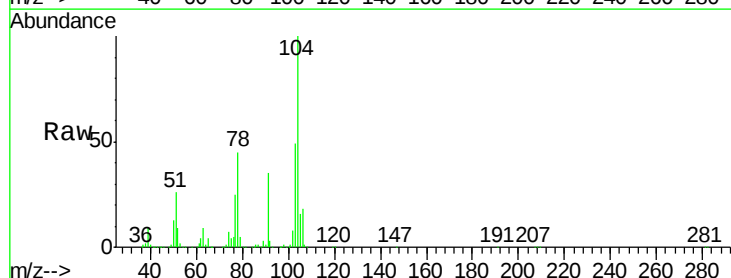
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

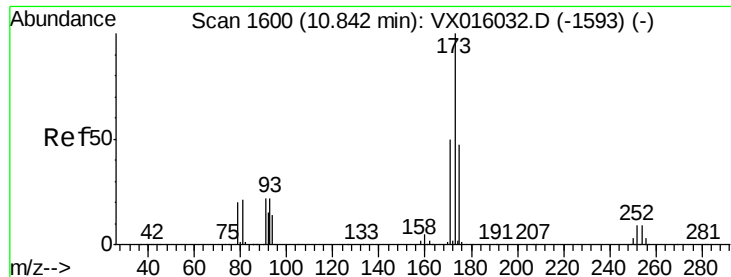
Tot Ion:106 Resp: 291108
Ion Ratio Lower Upper
106 100
91 213.4 107.5 322.6



#70
Styrene
Concen: 51.155 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion:104 Resp: 505522
Ion Ratio Lower Upper
104 100
78 49.9 40.2 60.2
103 53.5 43.0 64.6





#71

Bromoform

Concen: 50.836 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

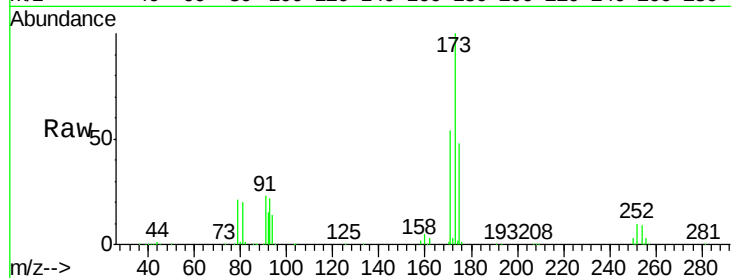
Tot Ion:173 Resp: 138770

Ion Ratio Lower Upper

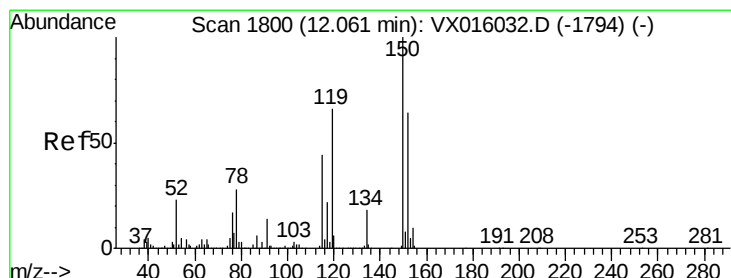
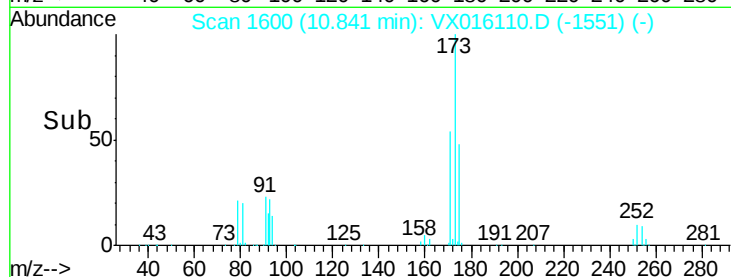
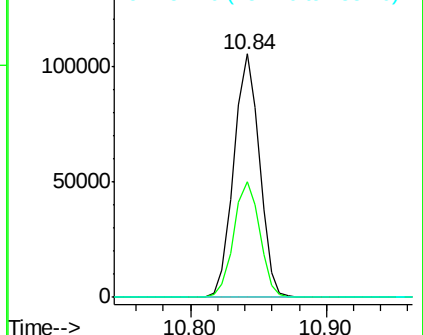
173 100

175 48.3 24.0 72.0

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

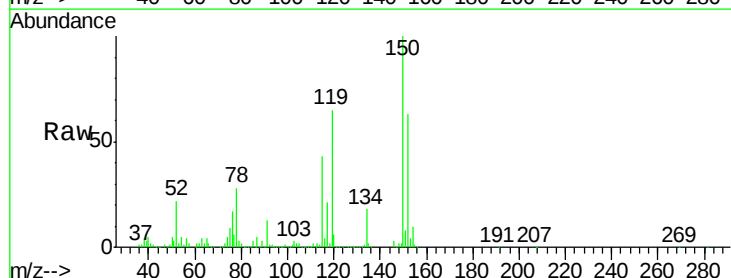
Tgt Ion:152 Resp: 217416

Ion Ratio Lower Upper

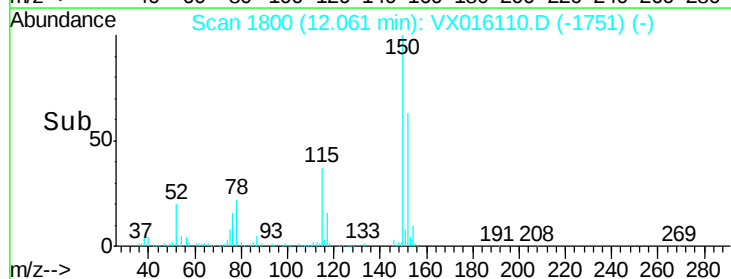
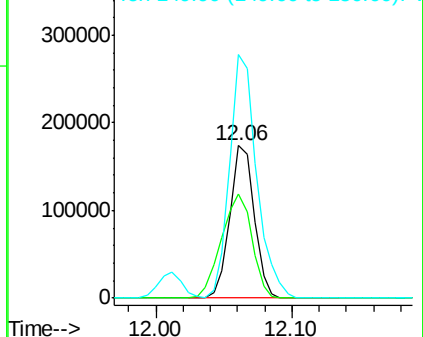
152 100

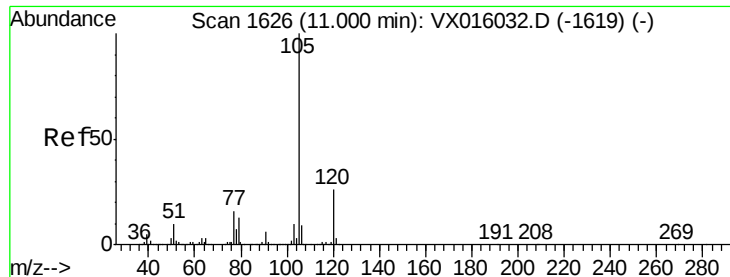
115 85.1 41.3 124.1

150 177.2 0.0 352.2



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: 49.959 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

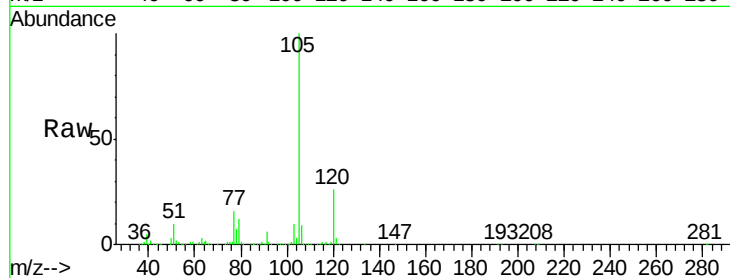
VSTDCCC050

Tot Ion:105 Resp: 790029

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

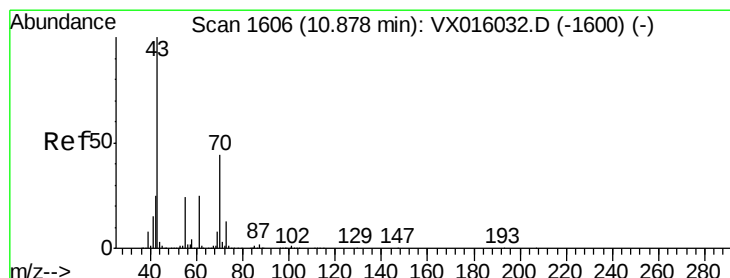
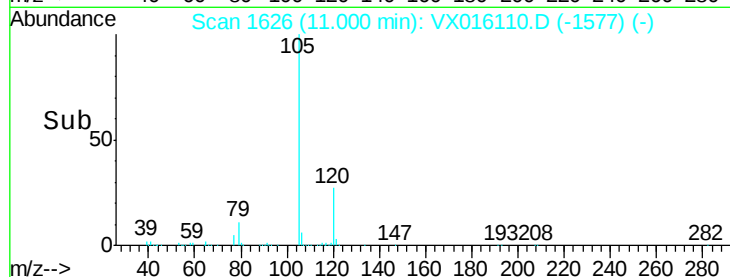
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 47.583 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Tgt Ion: 43 Resp: 350978

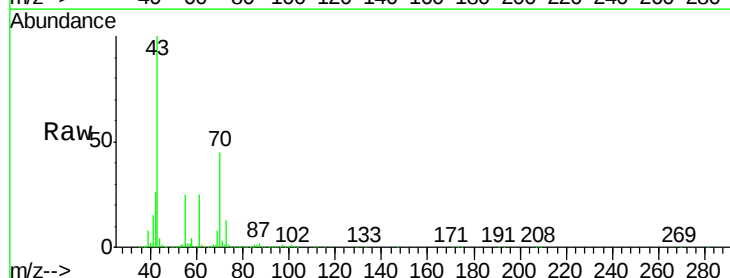
Ion Ratio Lower Upper

43 100

70 46.1 36.5 54.7

55 25.5 19.7 29.5

61 26.0 20.9 31.3



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

10.88

400000

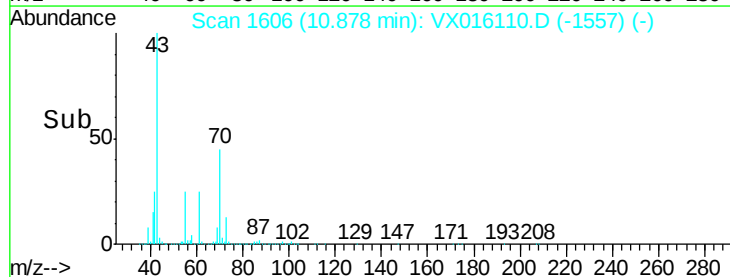
300000

200000

100000

0

Time--> 10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 44.818 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

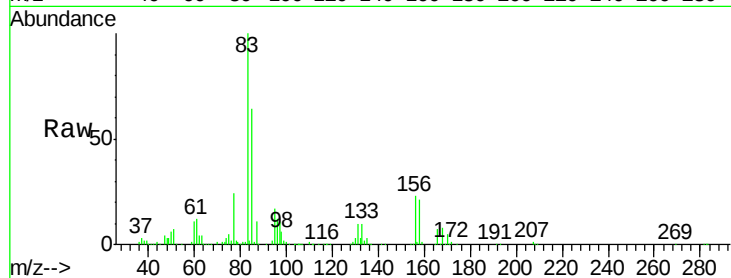
Tot Ion: 83 Resp: 137087

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

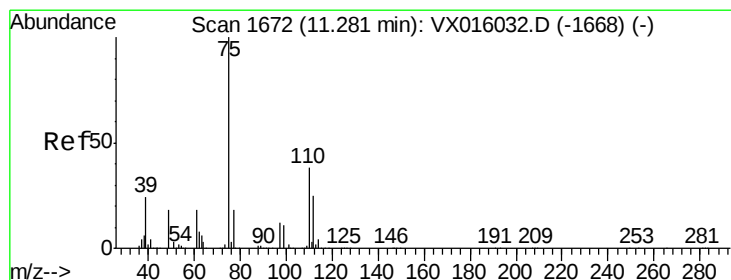
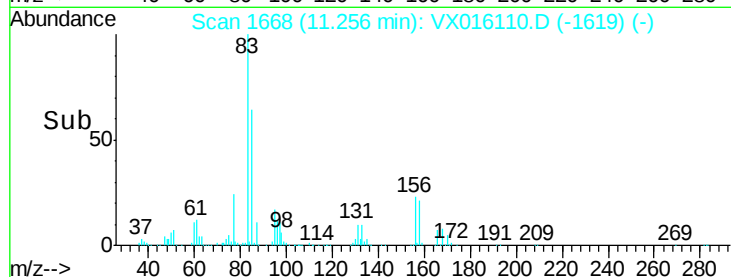
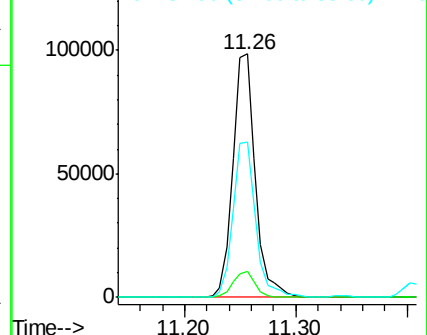
85 65.0 32.0 96.0



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: 48.530 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016110.D

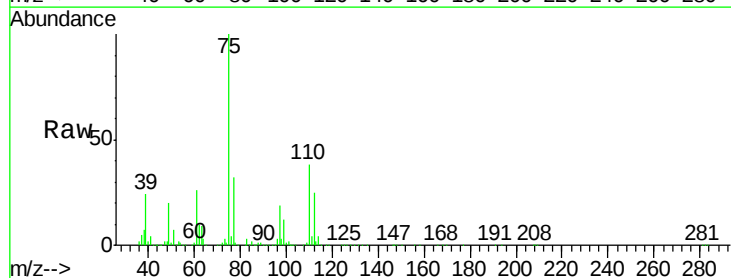
Acq: 08 May 2020 10:32

Tgt Ion: 75 Resp: 239430

Ion Ratio Lower Upper

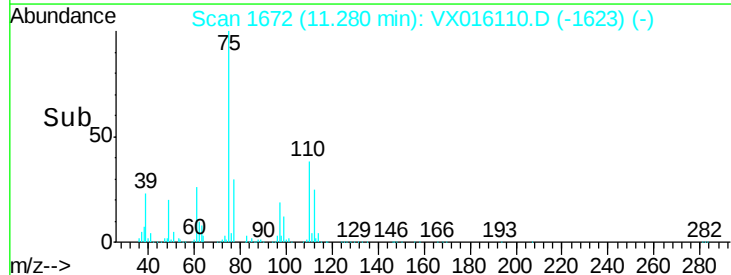
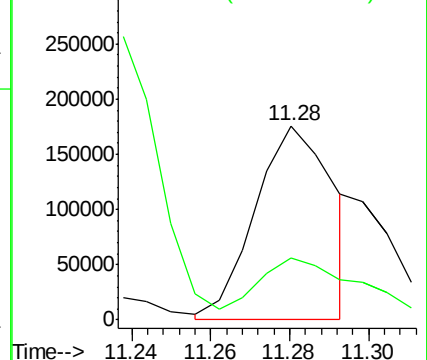
75 100

77 42.4 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.632 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

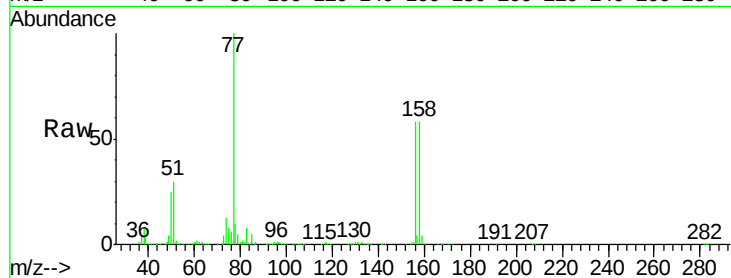
Tot Ion:156 Resp: 194420

Ion Ratio Lower Upper

156 100

77 162.2 80.1 240.3

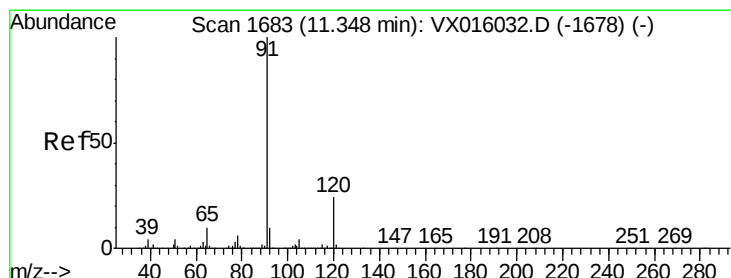
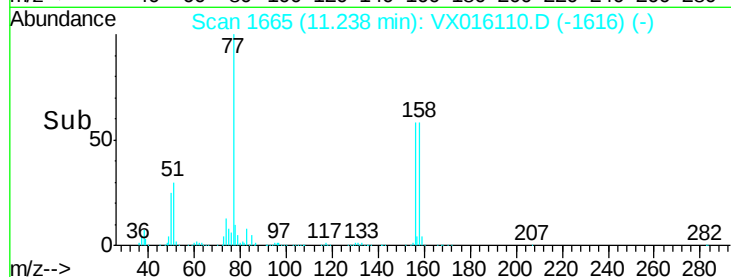
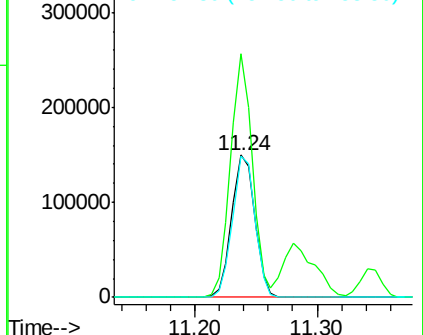
158 96.9 49.4 148.2



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: 49.769 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016110.D

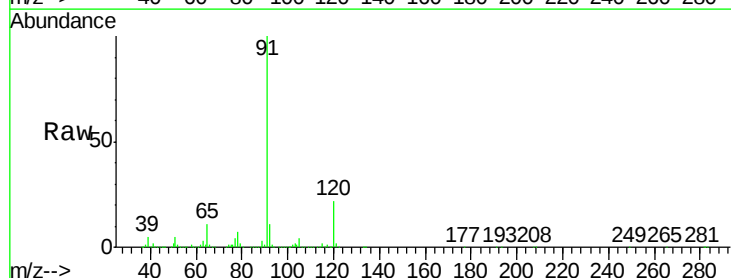
Acq: 08 May 2020 10:32

Tgt Ion: 91 Resp: 915580

Ion Ratio Lower Upper

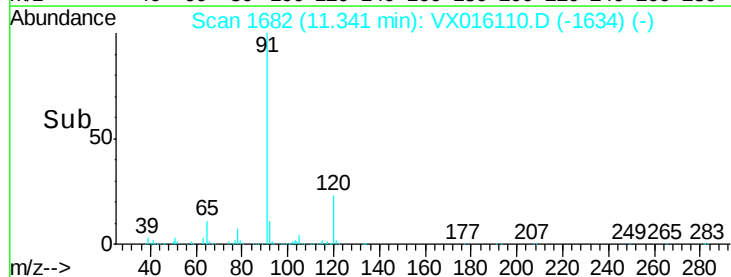
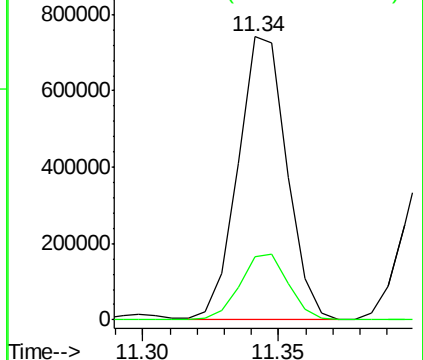
91 100

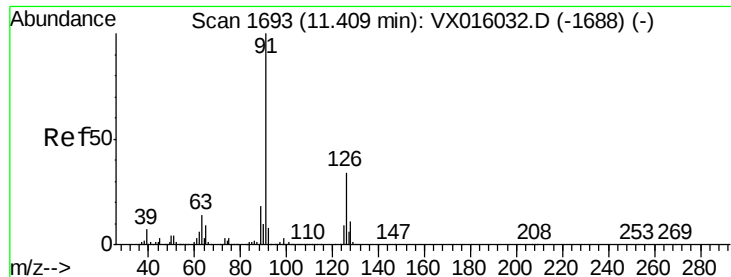
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.644 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

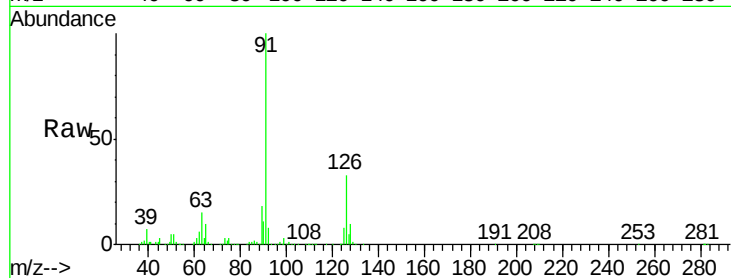
VSTDCCC050

Tot Ion: 91 Resp: 539086

Ion Ratio Lower Upper

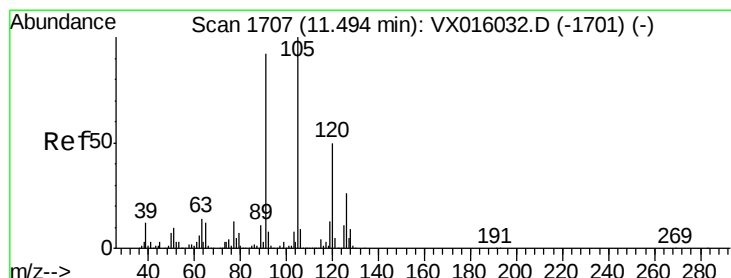
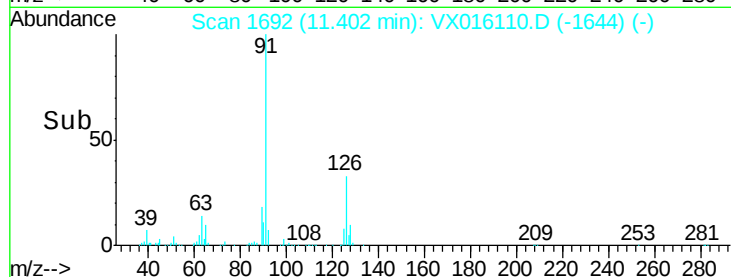
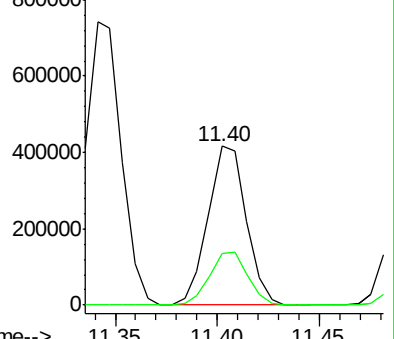
91 100

126 33.9 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.307 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016110.D

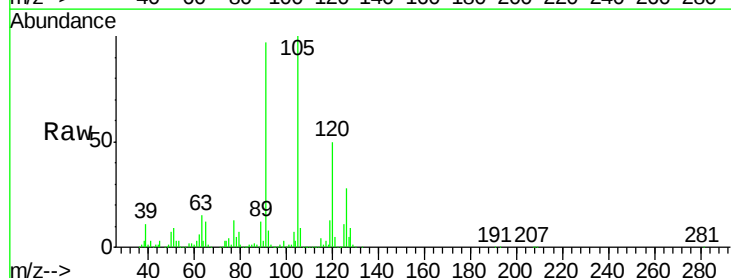
Acq: 08 May 2020 10:32

Tgt Ion:105 Resp: 671689

Ion Ratio Lower Upper

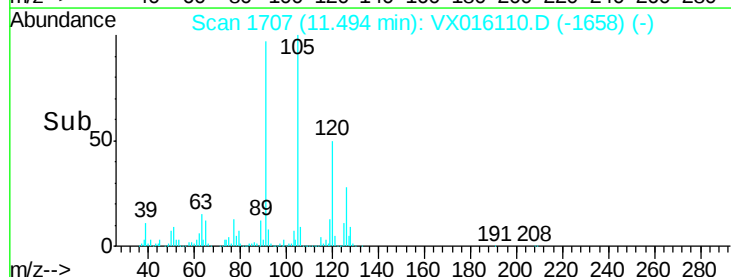
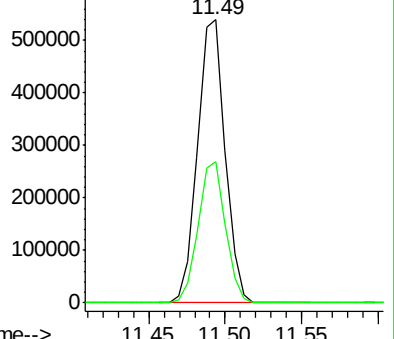
105 100

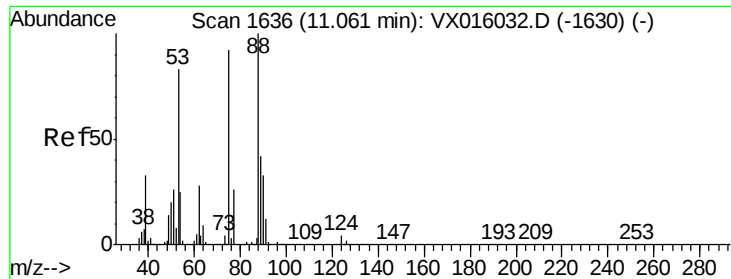
120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.486 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

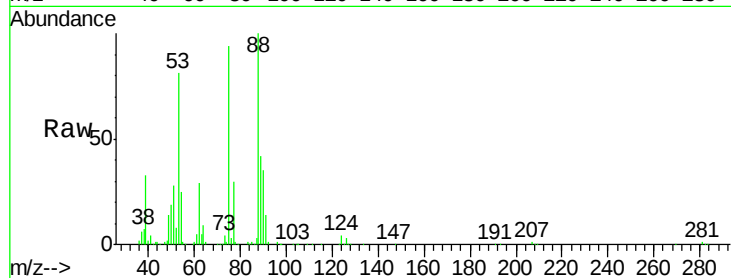
Tot Ion: 75 Resp: 102450

Ion Ratio Lower Upper

75 100

53 88.4 73.1 109.7

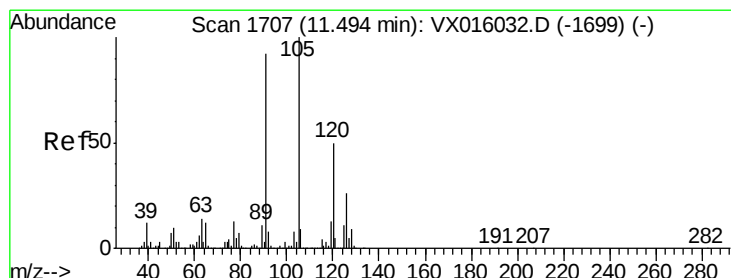
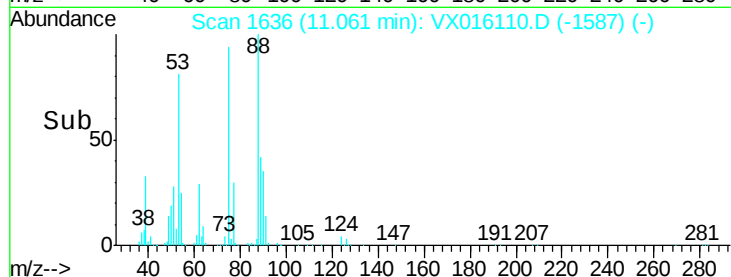
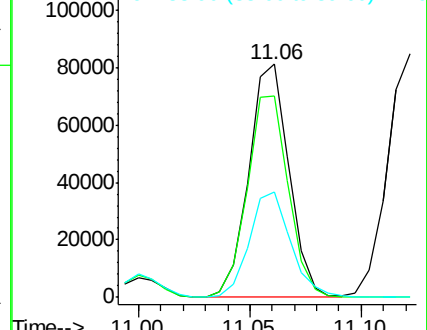
89 46.8 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.736 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016110.D

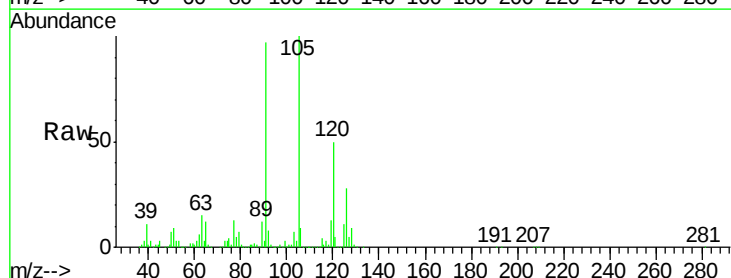
Acq: 08 May 2020 10:32

Tgt Ion: 91 Resp: 637776

Ion Ratio Lower Upper

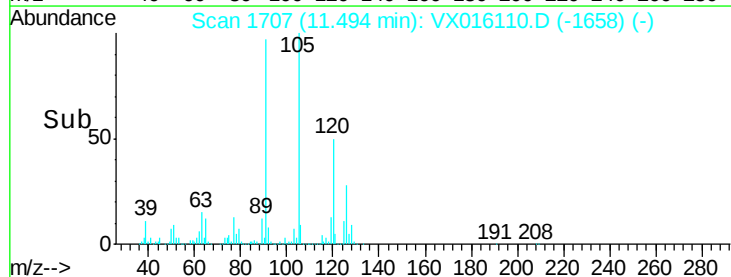
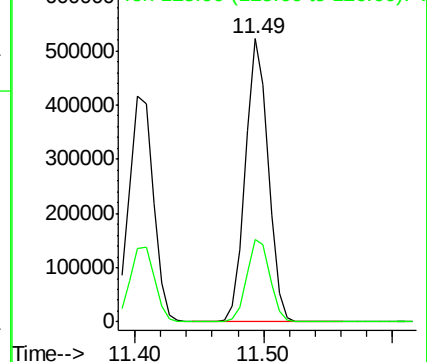
91 100

126 29.5 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.032 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

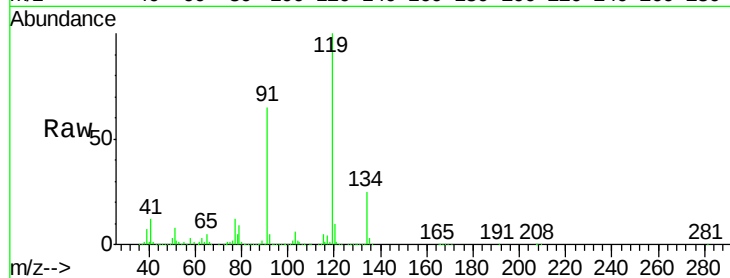
Tot Ion:119 Resp: 575701

Ion Ratio Lower Upper

119 100

91 65.4 32.8 98.4

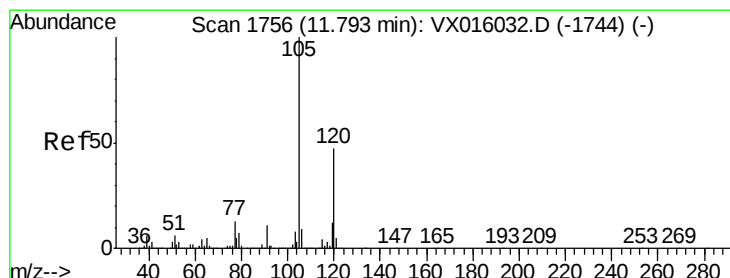
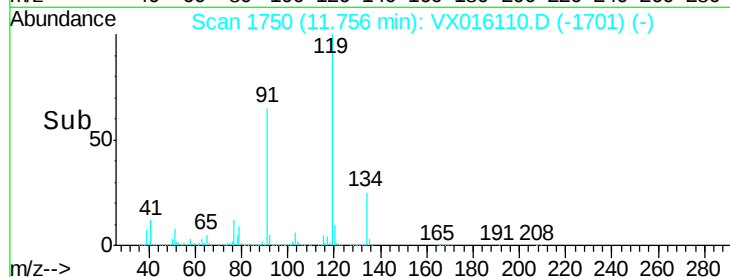
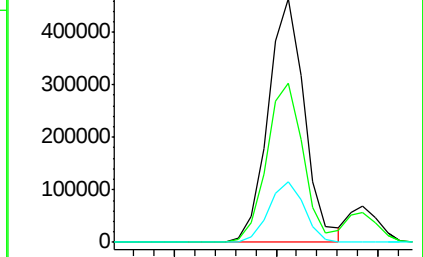
134 24.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.305 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016110.D

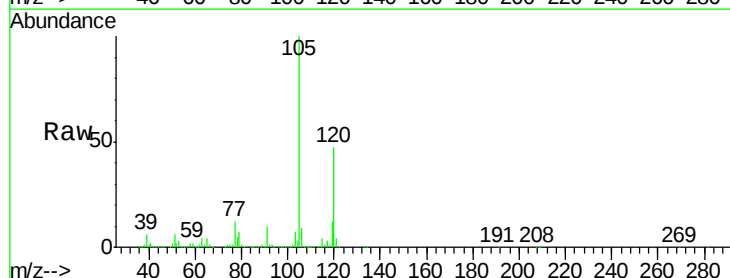
Acq: 08 May 2020 10:32

Tgt Ion:105 Resp: 679056

Ion Ratio Lower Upper

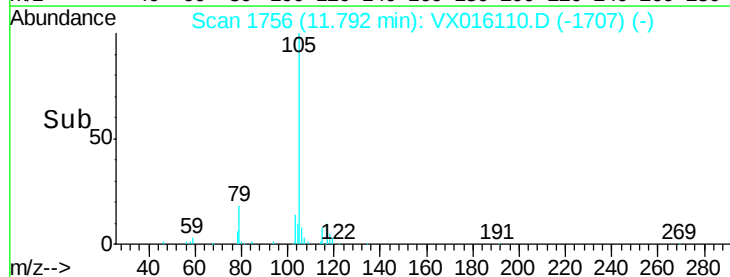
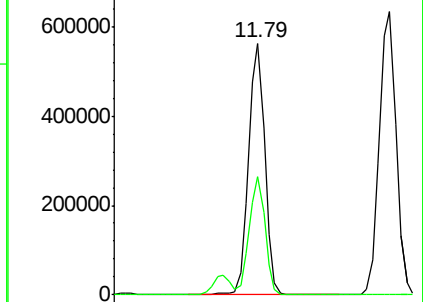
105 100

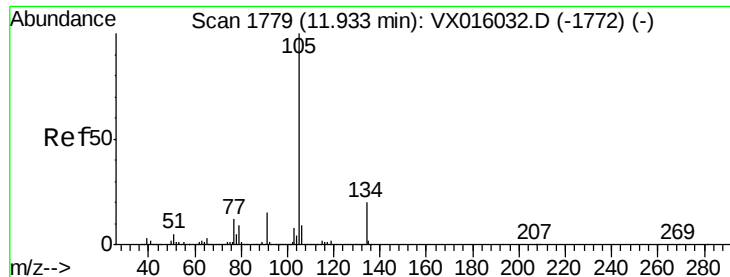
120 45.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.405 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

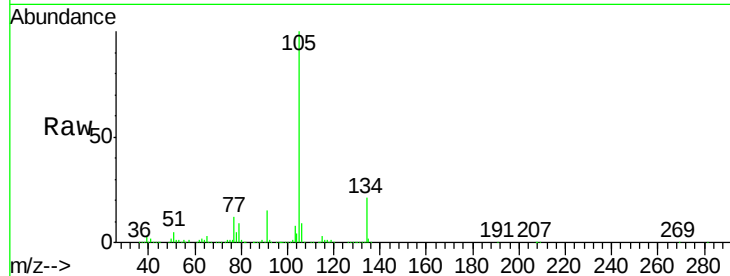
VSTDCCC050

Tot Ion:105 Resp: 783088

Ion Ratio Lower Upper

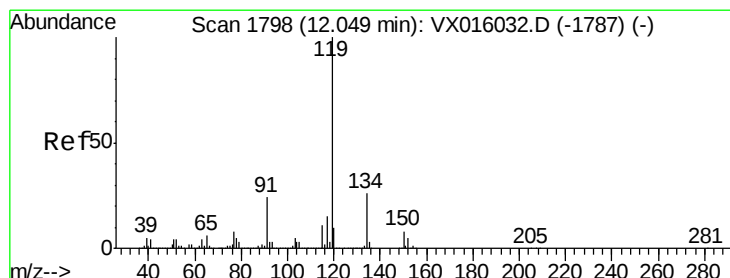
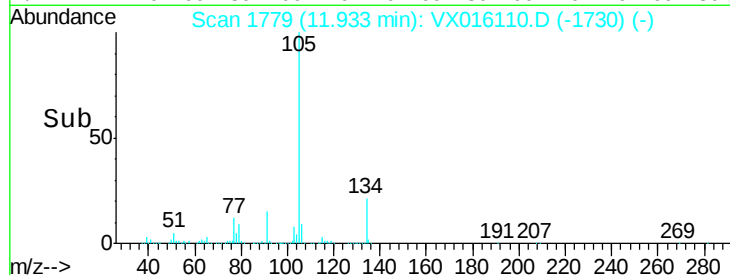
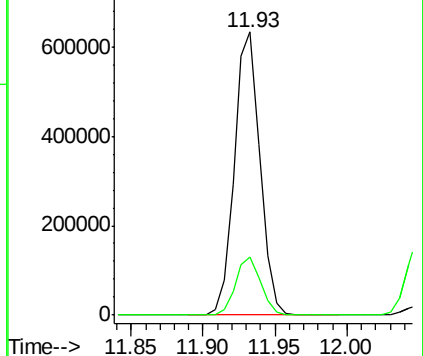
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.572 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

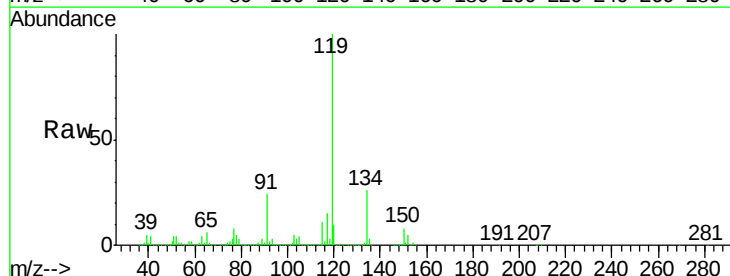
Tgt Ion:119 Resp: 729472

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

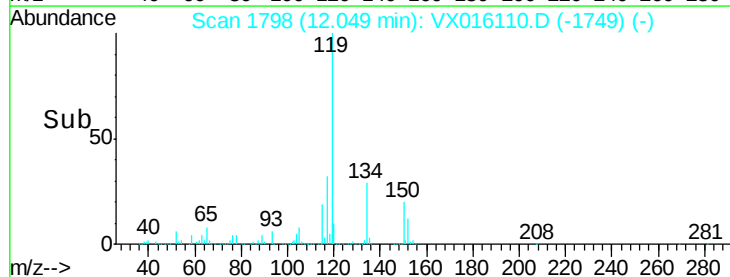
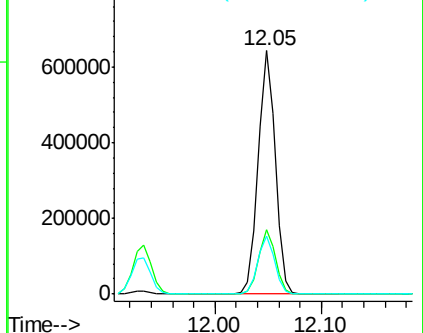
91 23.5 11.8 35.4

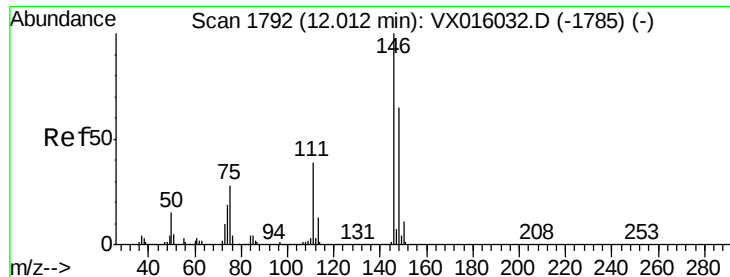


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.008 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

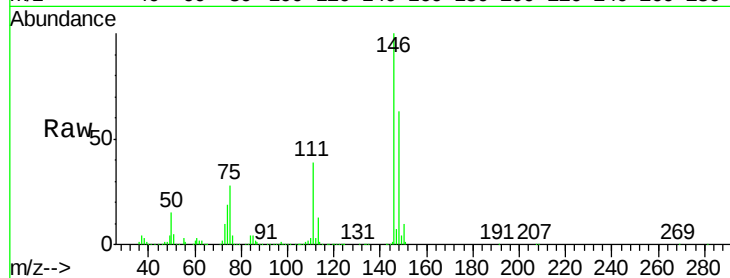
Tot Ion:146 Resp: 359178

Ion Ratio Lower Upper

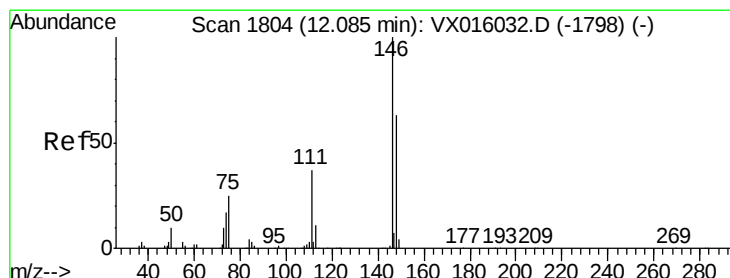
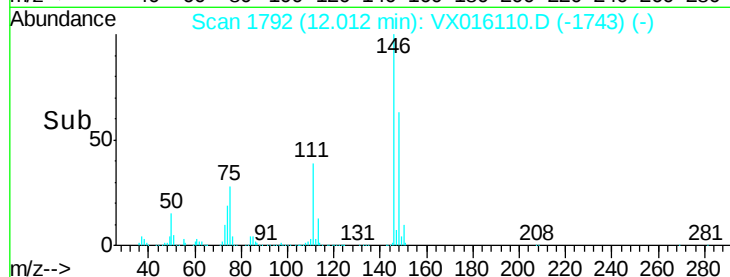
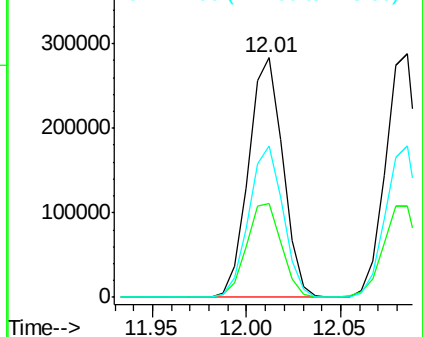
146 100

111 40.0 20.2 60.6

148 62.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.058 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

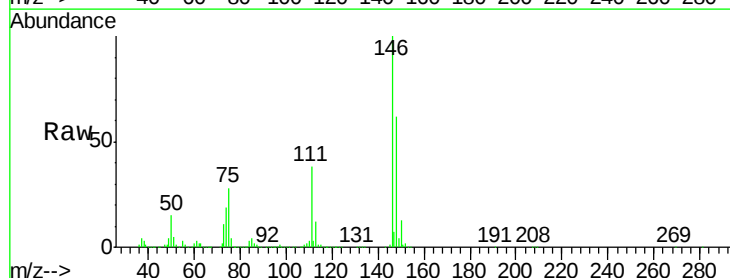
Tgt Ion:146 Resp: 357490

Ion Ratio Lower Upper

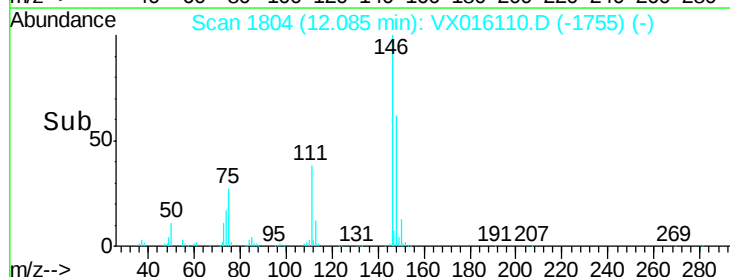
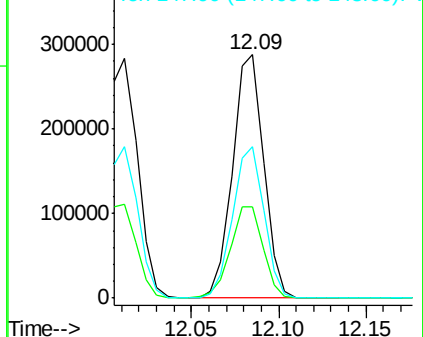
146 100

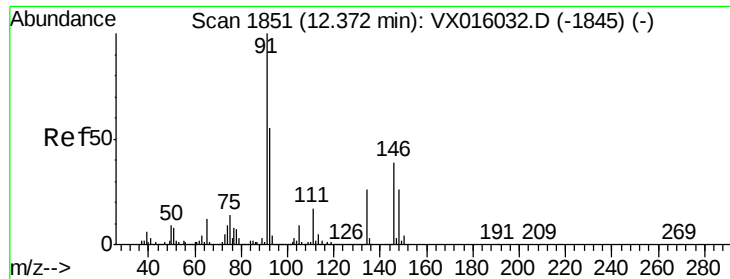
111 39.5 19.6 58.7

148 63.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

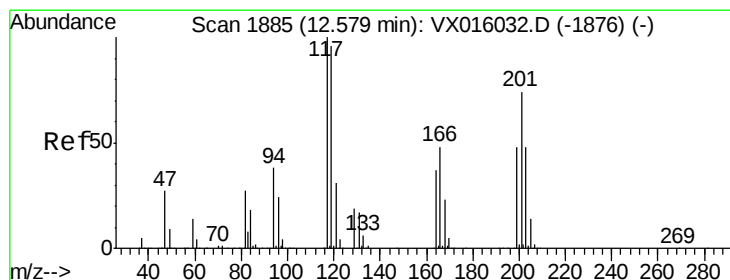
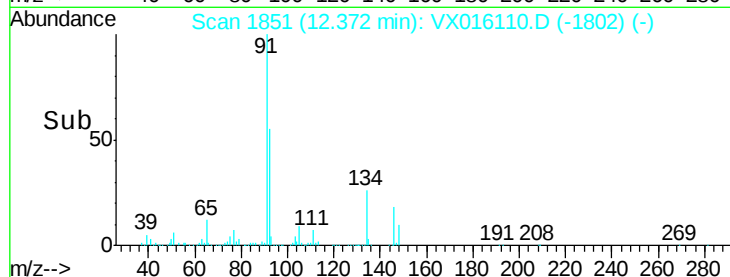
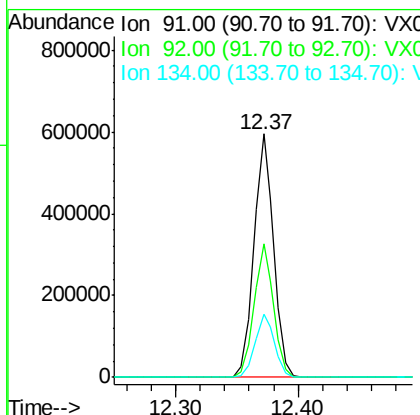
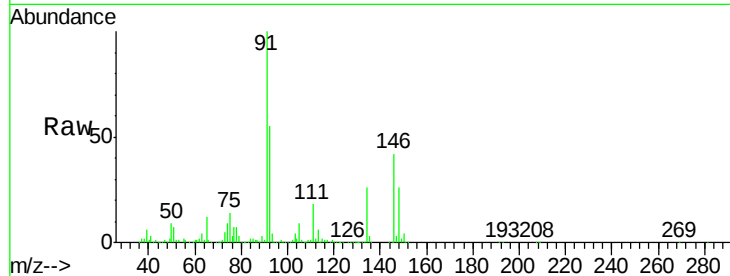




#89
n-Butylbenzene
Concen: 50.601 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

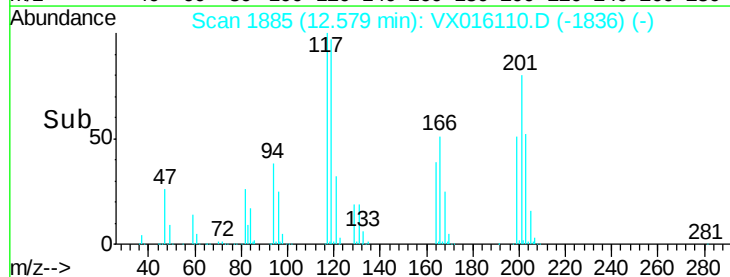
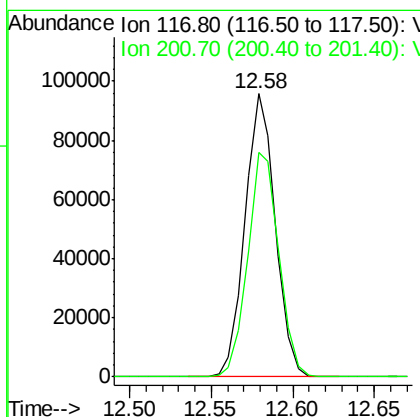
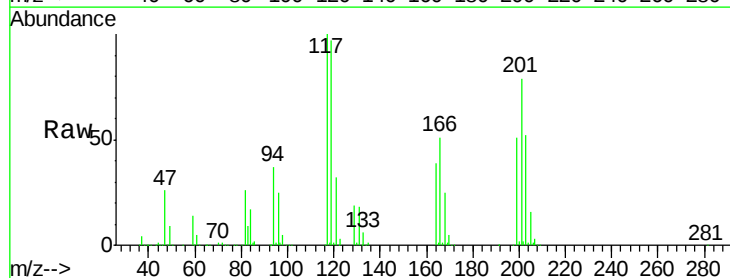
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

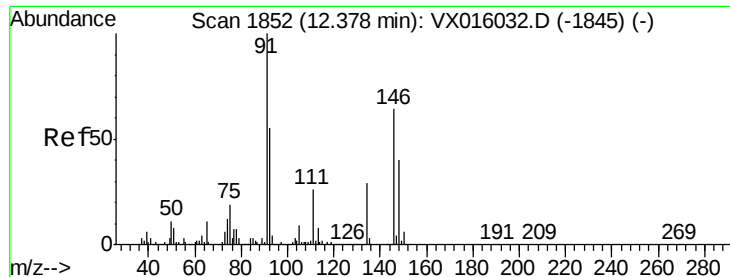
Tot Ion: 91 Resp: 666800
Ion Ratio Lower Upper
91 100
92 54.5 27.6 82.7
134 26.0 13.4 40.1



#90
Hexachloroethane
Concen: 49.953 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016110.D
Acq: 08 May 2020 10:32

Tgt Ion: 117 Resp: 123746
Ion Ratio Lower Upper
117 100
201 81.5 39.8 119.3

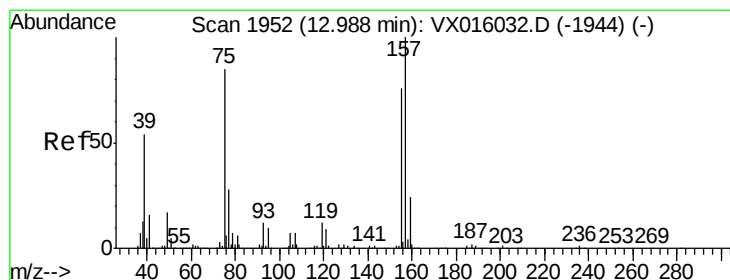
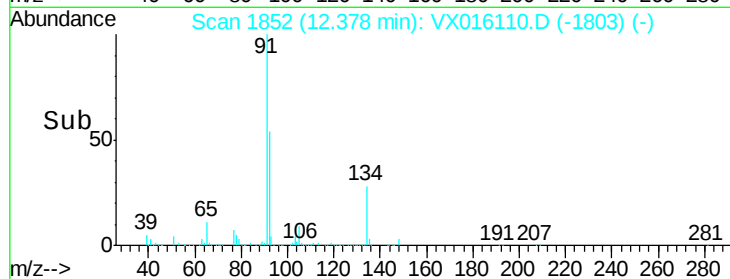
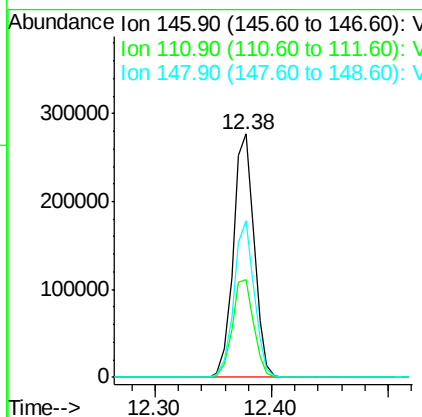
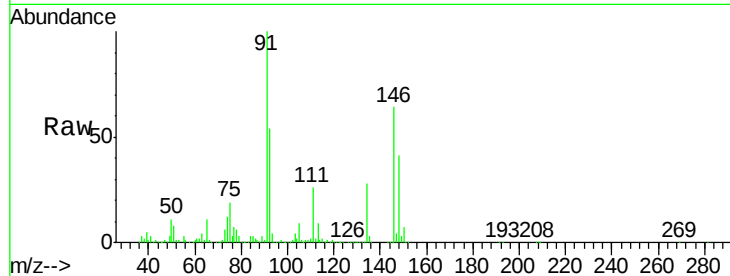




#91
 1,2-Dichlorobenzene
 Concen: 48.911 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

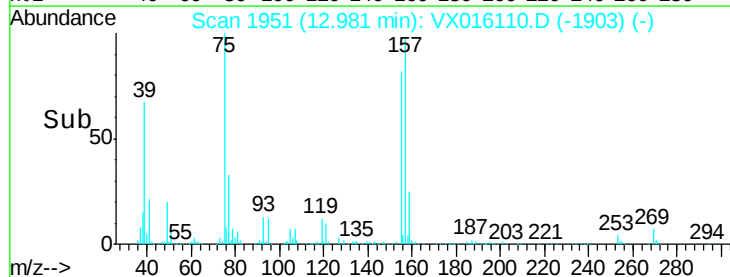
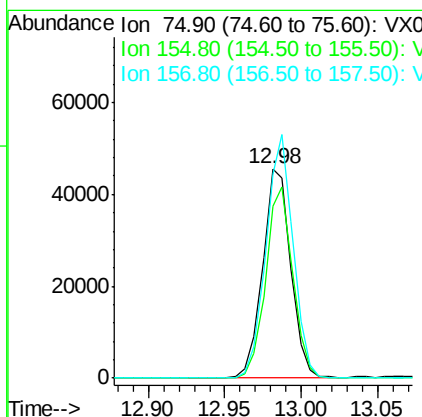
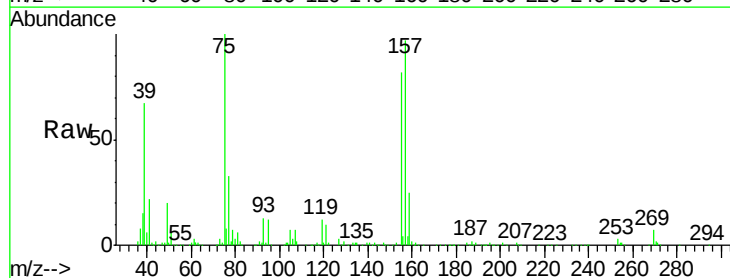
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	62.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.321 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	42.5	127.5
157	111.2	55.3	165.8

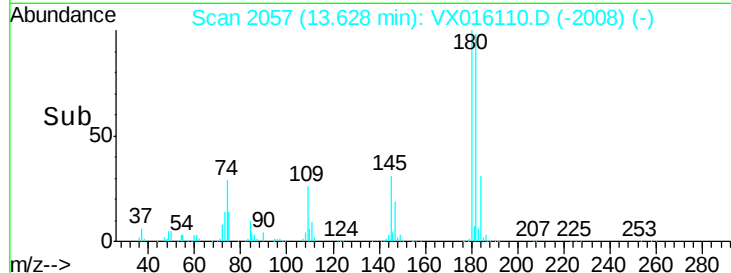
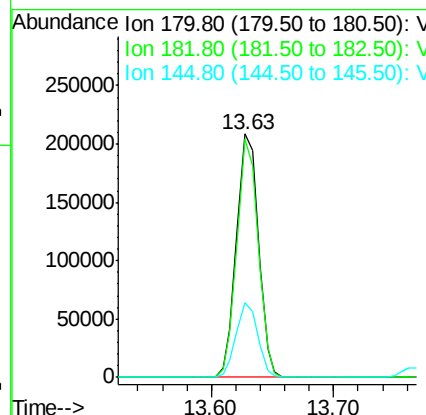
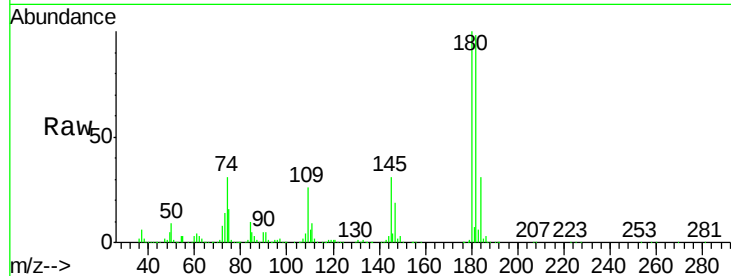




#93
 1,2,4-Trichlorobenzene
 Concen: 49.388 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

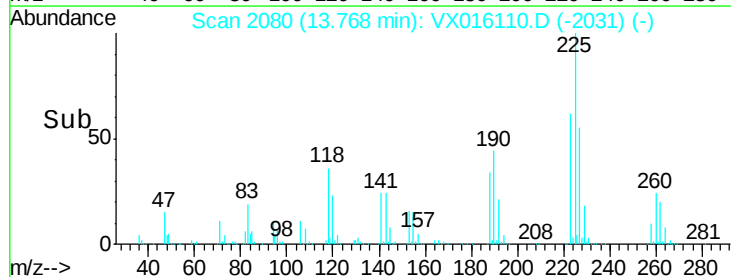
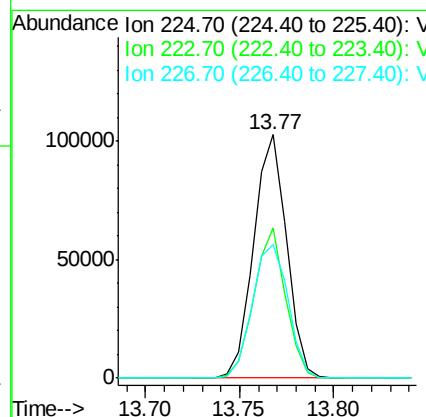
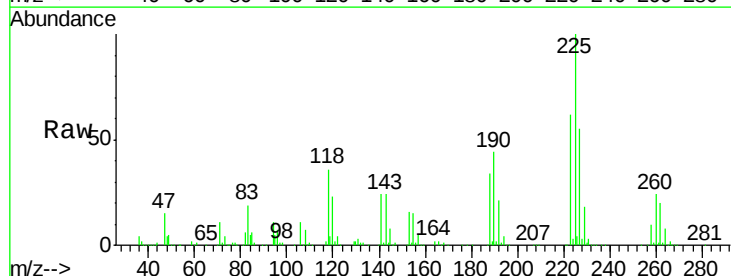
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

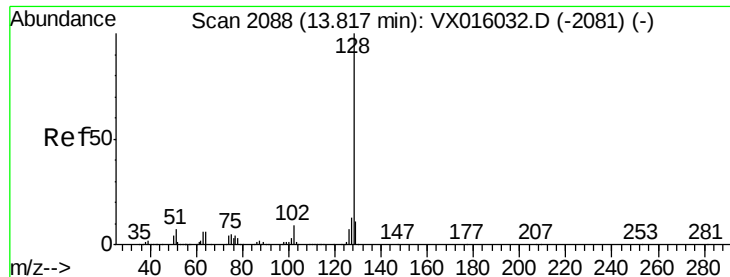
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.7	146.1
145	30.2	15.7	47.1



#94
 Hexachlorobutadiene
 Concen: 55.370 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016110.D
 Acq: 08 May 2020 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	32.3	96.9
227	59.3	31.8	95.4





#95

Naphthalene

Concen: 48.736 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

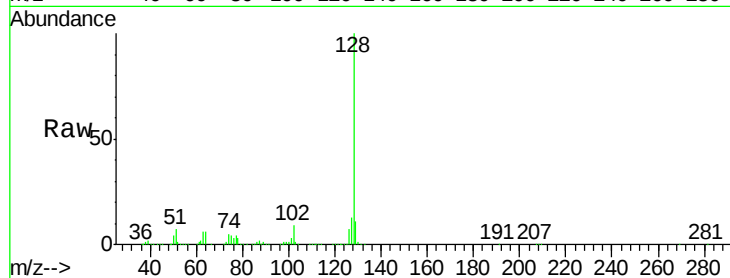
Tot Ion:128 Resp: 824507

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

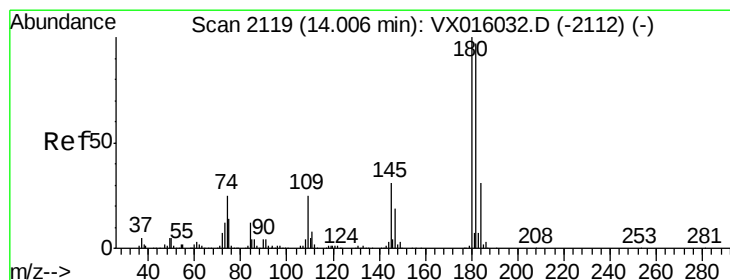
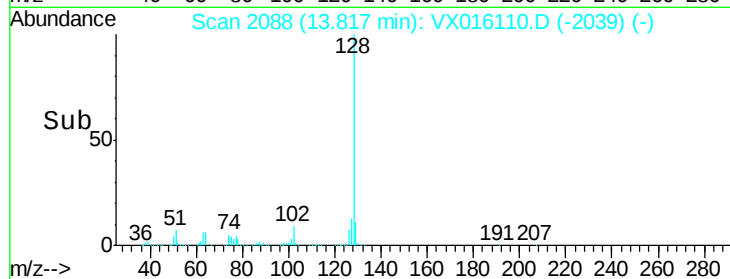
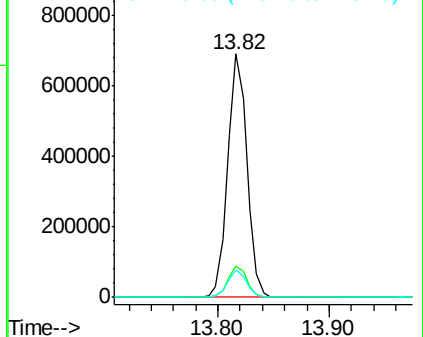
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.848 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016110.D

Acq: 08 May 2020 10:32

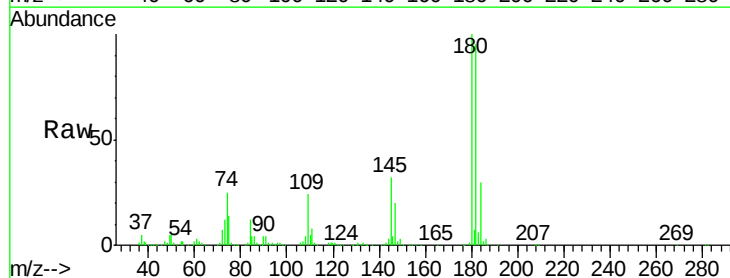
Tgt Ion:180 Resp: 254534

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.0

145 32.2 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

