

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016320.D
 Acq On : 18 May 2020 23:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 19 00:58:28 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	254241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	393800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194934	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	156336	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	5.46	113	129231	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.70	98	497662	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.12	95	199172	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	134743	50.070	ug/l	99
3) Chloromethane	1.31	50	143755	45.998	ug/l	99
4) Vinyl Chloride	1.39	62	180159	54.032	ug/l	100
5) Bromomethane	1.62	94	65474	38.950	ug/l	100
6) Chloroethane	1.70	64	98770	48.685	ug/l	97
7) Trichlorofluoromethane	1.92	101	214457	48.992	ug/l	98
8) Diethyl Ether	2.17	74	90493	49.064	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	121644	48.166	ug/l	99
10) Methyl Iodide	2.49	142	85639	25.245	ug/l	100
11) Tert butyl alcohol	3.02	59	198126	234.190	ug/l	99
12) 1,1-Dichloroethene	2.35	96	128397	48.583	ug/l	98
13) Acrolein	2.27	56	144023	272.049	ug/l	100
14) Allyl chloride	2.71	41	223769	46.178	ug/l	94
15) Acrylonitrile	3.12	53	441687	251.668	ug/l	99
16) Acetone	2.42	43	337083	225.813	ug/l	95
17) Carbon Disulfide	2.55	76	346399	43.619	ug/l	98
18) Methyl Acetate	2.75	43	194586	53.016	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	481160	52.813	ug/l	99
20) Methylene Chloride	2.84	84	150764	48.992	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	143145	48.604	ug/l	97
22) Diisopropyl ether	3.82	45	457695	50.066	ug/l	95
23) Vinyl Acetate	3.79	43	1985950	246.919	ug/l	98
24) 1,1-Dichloroethane	3.67	63	260667	50.972	ug/l	98
25) 2-Butanone	4.63	43	593343	246.668	ug/l	98
26) 2,2-Dichloropropane	4.55	77	191879	41.085	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	173636	53.928	ug/l	93
28) Bromochloromethane	4.98	49	109358	46.897	ug/l	94
29) Tetrahydrofuran	5.09	42	388909	244.007	ug/l	96
30) Chloroform	5.18	83	265618	52.166	ug/l	98
31) Cyclohexane	5.55	56	212772	45.781	ug/l	95
32) 1,1,1-Trichloroethane	5.46	97	236833	51.170	ug/l	98
36) 1,1-Dichloropropene	5.77	75	196657	47.693	ug/l	99
37) Ethyl Acetate	4.79	43	225151	47.112	ug/l	99
38) Carbon Tetrachloride	5.76	117	203757	48.617	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	188406	37.942	ug/l	98
40) Benzene	6.12	78	605157	50.159	ug/l	99
41) Methacrylonitrile	5.01	41	122270	47.374	ug/l	97
42) 1,2-Dichloroethane	6.17	62	205802	47.353	ug/l	98
43) Isopropyl Acetate	6.42	43	363858	47.718	ug/l	97
44) Trichloroethene	7.19	130	186091	43.417	ug/l	98
45) 1,2-Dichloropropane	7.49	63	155514	50.942	ug/l	98
46) Dibromomethane	7.64	93	103129	49.711	ug/l	99
47) Bromodichloromethane	7.88	83	215943	51.108	ug/l	99
48) Methyl methacrylate	7.74	41	172668	47.789	ug/l	93
49) 1,4-Dioxane	7.71	88	76945	887.937	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1148597	246.154	ug/l	97
52) Toluene	8.77	92	387118	51.478	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	244337	48.501	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	259079	49.236	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	156141	52.774	ug/l	99
56) Ethyl methacrylate	9.16	69	253094	52.406	ug/l	94
57) 1,3-Dichloropropane	9.35	76	266163	51.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	608811	236.789	ug/l	99
59) 2-Hexanone	9.48	43	894254	244.035	ug/l	96
60) Dibromochloromethane	9.57	129	178823	54.878	ug/l	99
61) 1,2-Dibromoethane	9.65	107	165084	51.512	ug/l	99
64) Tetrachloroethene	9.32	164	201816	41.746	ug/l	99
65) Chlorobenzene	10.12	112	430035	52.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	159753	52.417	ug/l	99
67) Ethyl Benzene	10.24	91	721484	49.039	ug/l	99
68) m/p-Xylenes	10.34	106	555307	100.741	ug/l	98
69) o-Xylene	10.68	106	270555	51.062	ug/l	99
70) Styrene	10.69	104	471850	52.492	ug/l	99
71) Bromoform	10.84	173	136018	54.779	ug/l #	100
73) Isopropylbenzene	11.00	105	692802	48.863	ug/l	100
74) N-amyl acetate	10.88	43	320283	48.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	197466	67.873	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	294148	66.497	ug/l	84
77) Bromobenzene	11.24	156	182846	49.962	ug/l	99
78) n-propylbenzene	11.35	91	767426	46.527	ug/l	99
79) 2-Chlorotoluene	11.41	91	479901	49.291	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	570314	47.641	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	87787	47.294	ug/l	96
82) 4-Chlorotoluene	11.49	91	562927	48.962	ug/l	99
83) tert-Butylbenzene	11.76	119	492355	47.724	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	585838	48.405	ug/l	99
85) sec-Butylbenzene	11.93	105	576108	41.359	ug/l	99
86) p-Isopropyltoluene	12.05	119	541538	41.873	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	311832	47.455	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	327953	49.172	ug/l	99
89) n-Butylbenzene	12.37	91	440042	37.245	ug/l	100
90) Hexachloroethane	12.58	117	96789	43.577	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	319314	50.466	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56796	48.717	ug/l	95

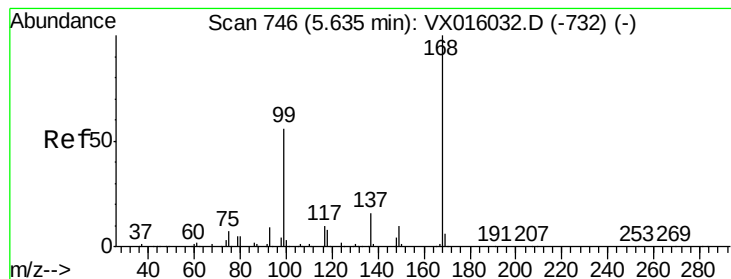
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	193779	41.366	ug/l	98
94) Hexachlorobutadiene	13.77	225	64807	32.315	ug/l	99
95) Naphthalene	13.82	128	736864	48.579	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	195765	42.760	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

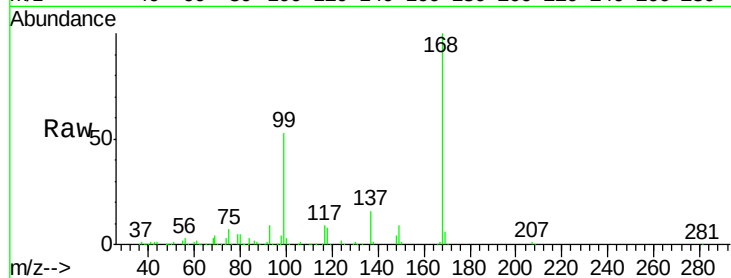
VSTDCCC050EC

Tot Ion:168 Resp: 254241

Ion Ratio Lower Upper

168 100

99 53.0 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

100000

80000

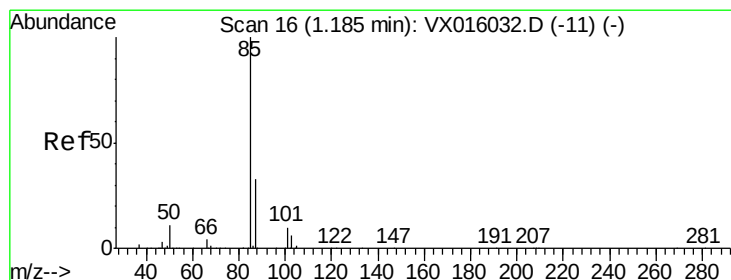
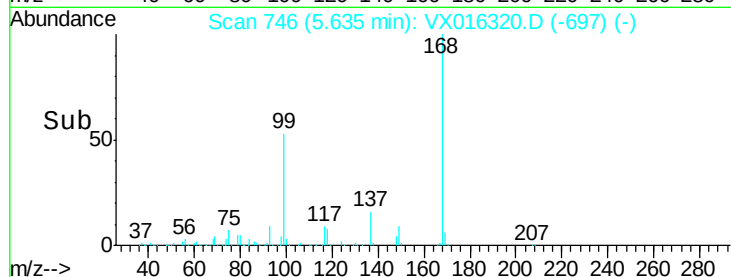
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.070 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016320.D

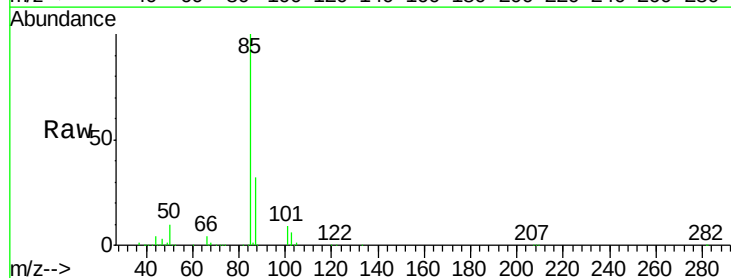
Acq: 18 May 2020 23:44

Tgt Ion: 85 Resp: 134743

Ion Ratio Lower Upper

85 100

87 32.1 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

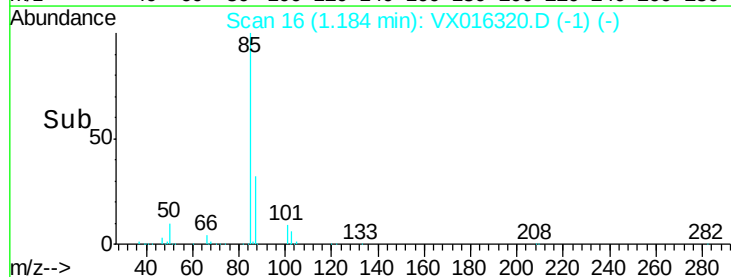
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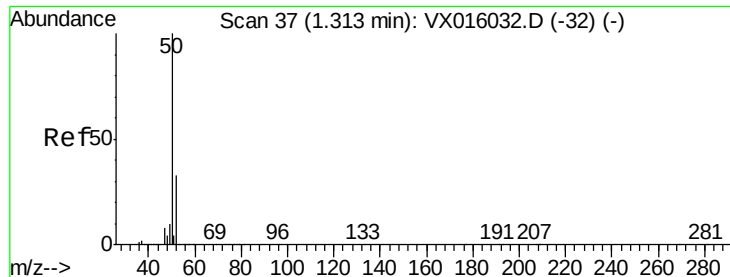
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50000

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Time-->





#3

Chloromethane

Concen: 45.998 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

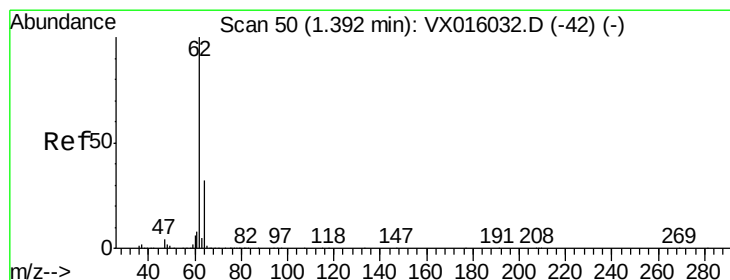
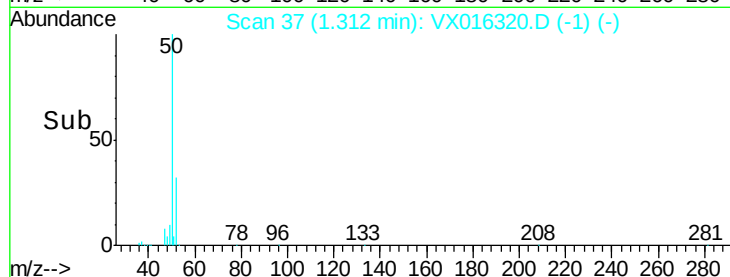
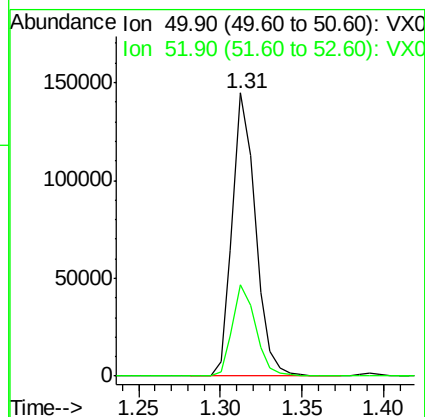
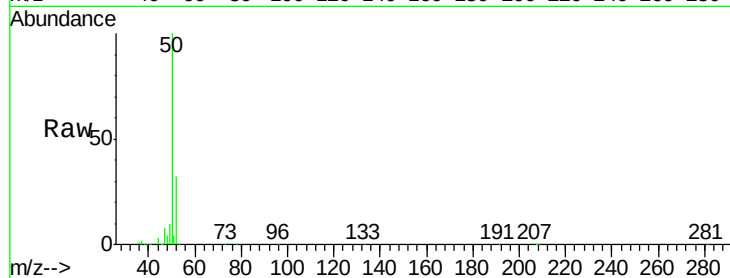
VSTDCCC050EC

Tot Ion: 50 Resp: 143755

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 54.032 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016320.D

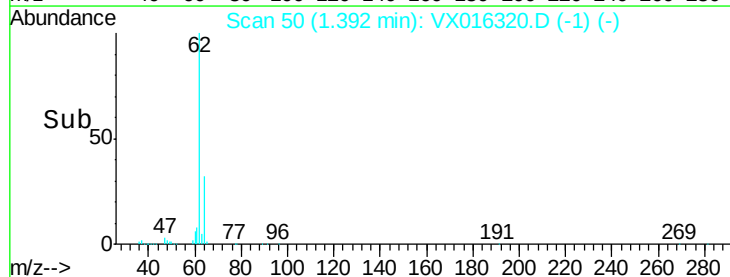
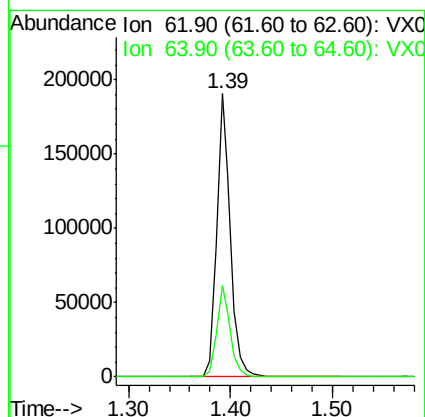
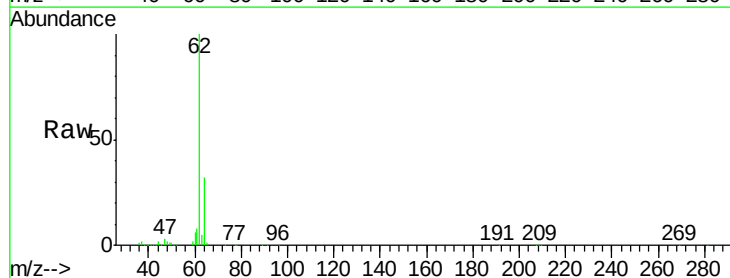
Acq: 18 May 2020 23:44

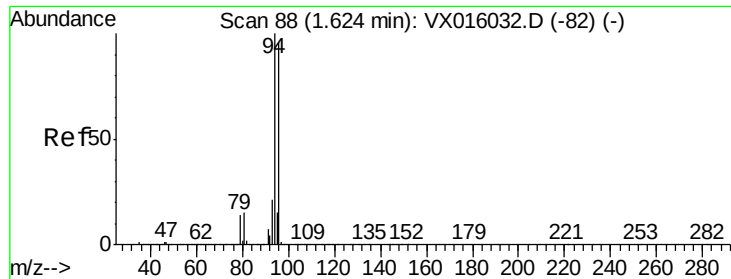
Tgt Ion: 62 Resp: 180159

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 38.950 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

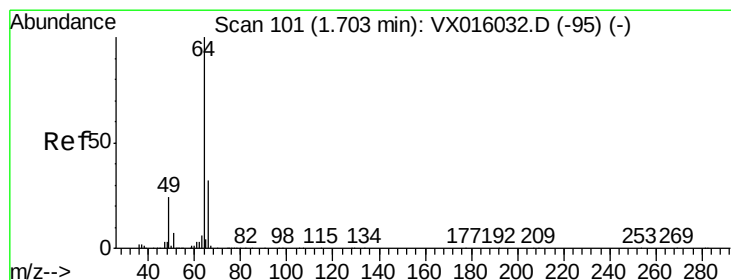
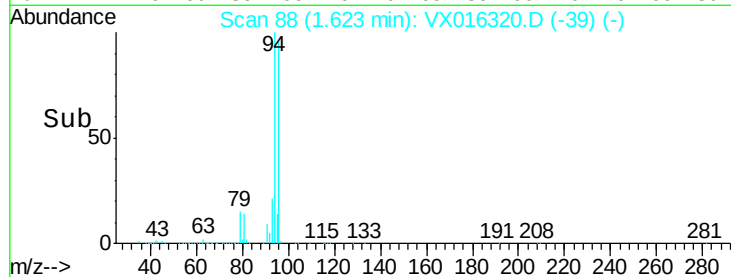
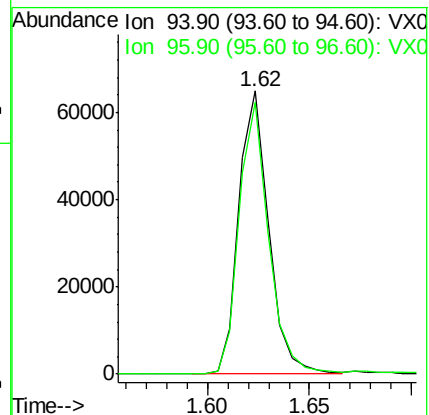
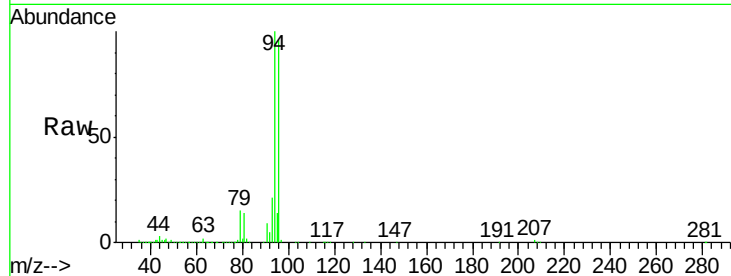
VSTDCCC050EC

Tot Ion: 94 Resp: 65474

Ion Ratio Lower Upper

94 100

96 96.1 76.9 115.3



#6

Chloroethane

Concen: 48.685 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016320.D

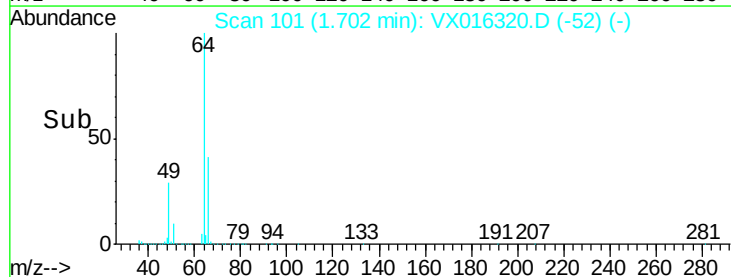
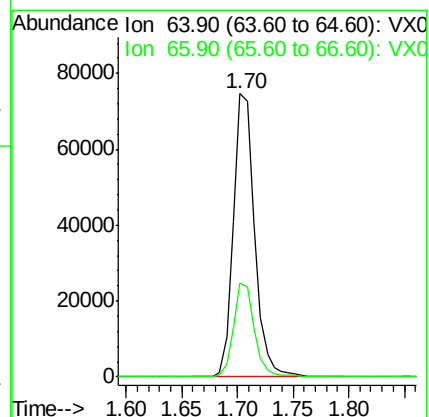
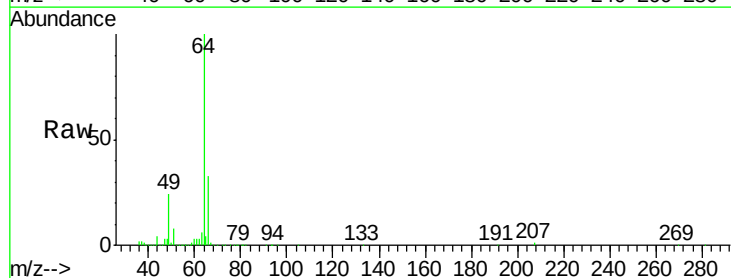
Acq: 18 May 2020 23:44

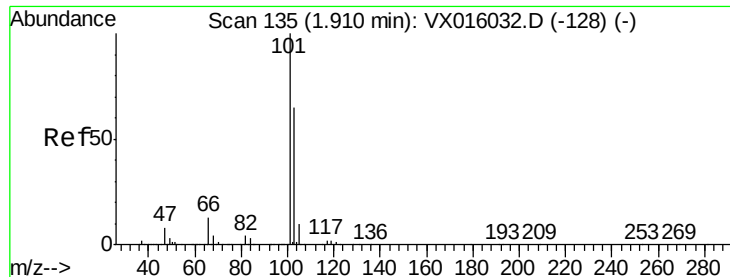
Tgt Ion: 64 Resp: 98770

Ion Ratio Lower Upper

64 100

66 33.0 25.2 37.8



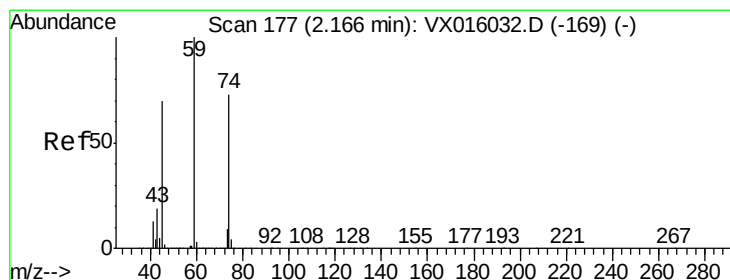
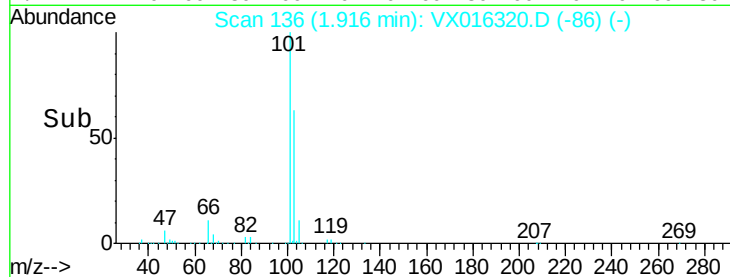
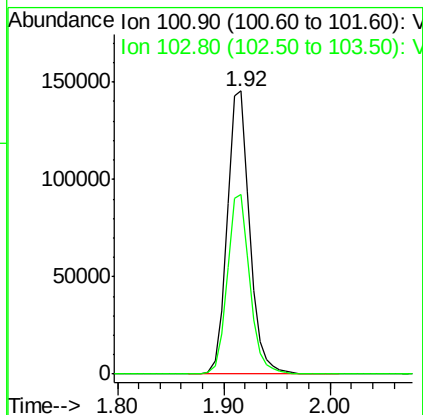
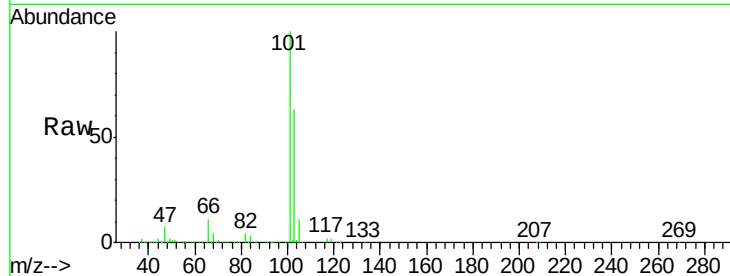


#7

Trichlorofluoromethane
Concen: 48.992 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016320.D
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MSVOA_X
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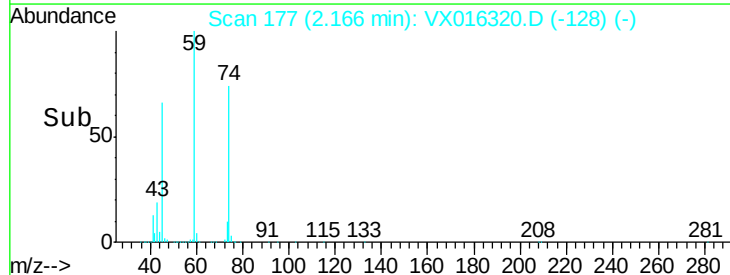
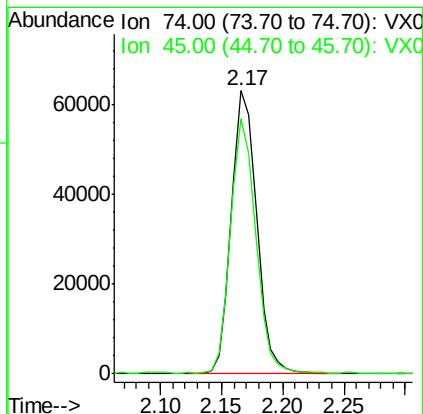
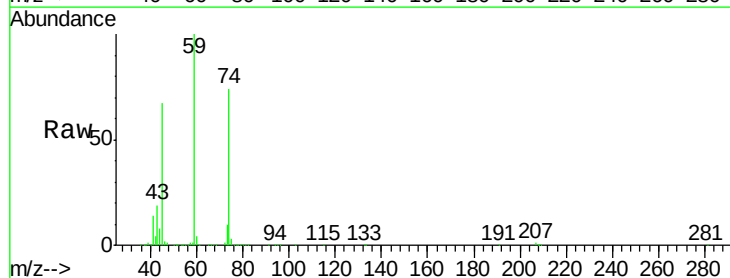
Tot Ion:101 Resp: 214457
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.6

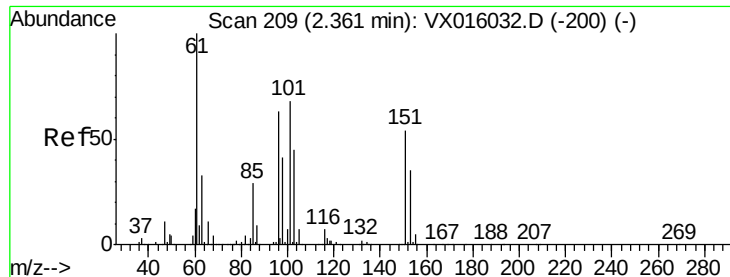


#8

Diethyl Ether
Concen: 49.064 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 74 Resp: 90493
Ion Ratio Lower Upper
74 100
45 88.9 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.166 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

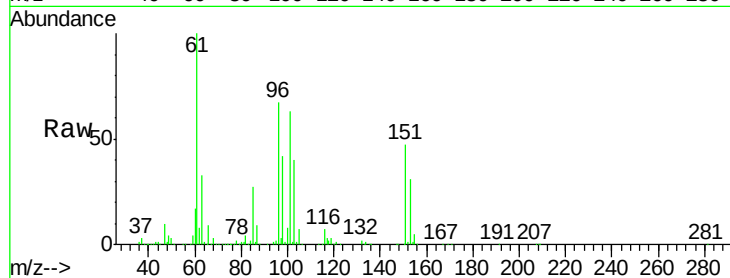
Tot Ion:101 Resp: 121644

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

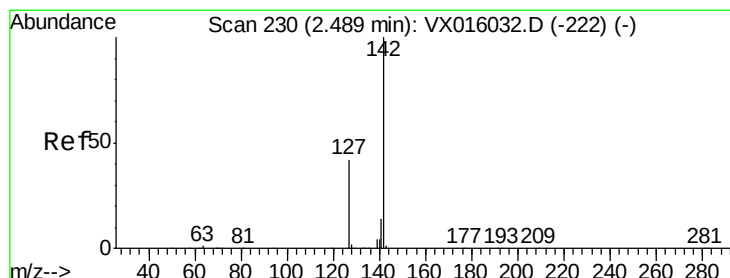
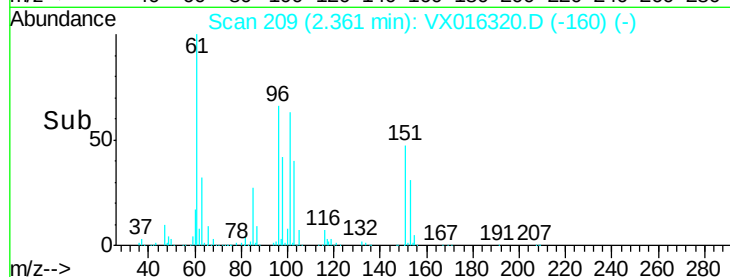
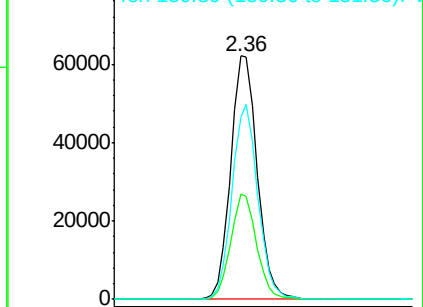
151 78.0 62.1 93.1



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: 25.245 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016320.D

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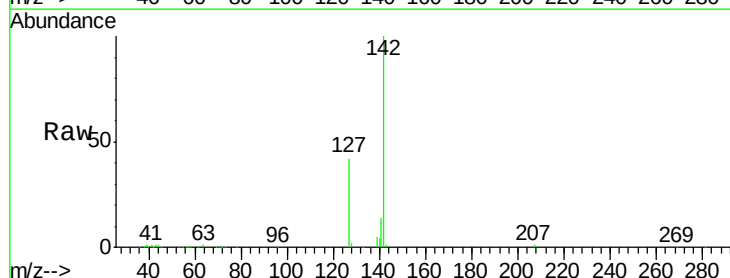
Tgt Ion:142 Resp: 85639

Ion Ratio Lower Upper

142 100

127 43.0 34.6 52.0

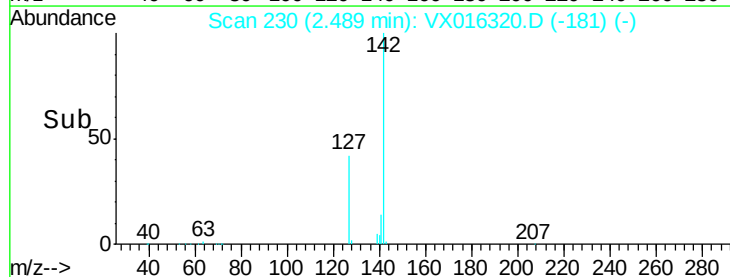
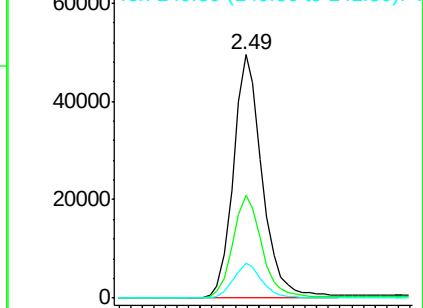
141 14.3 11.3 16.9

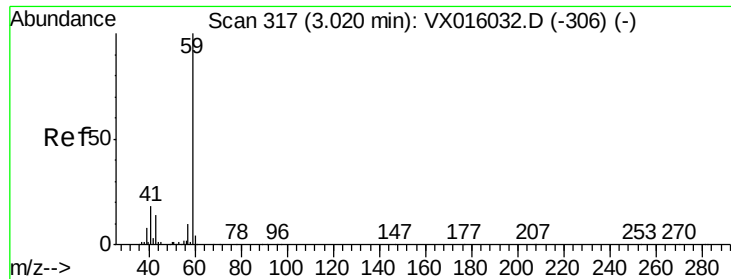


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



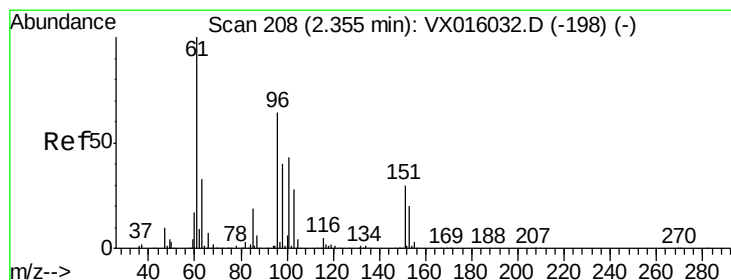
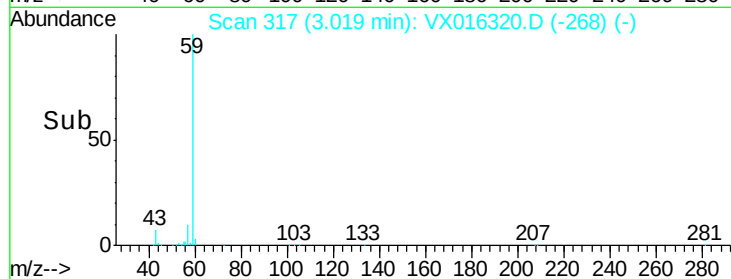
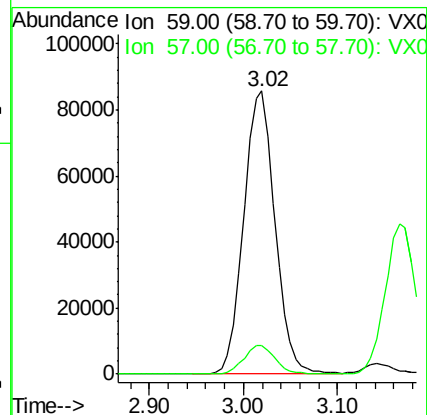
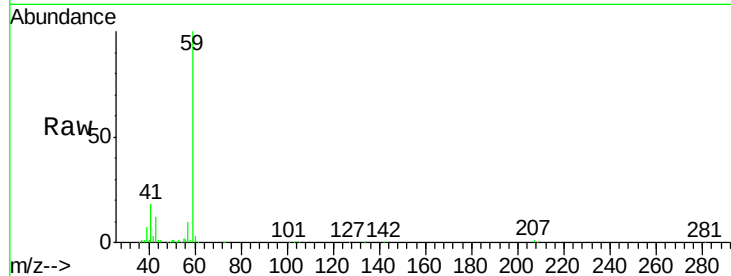


#11

Tert butyl alcohol
 Concen: 234.190 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

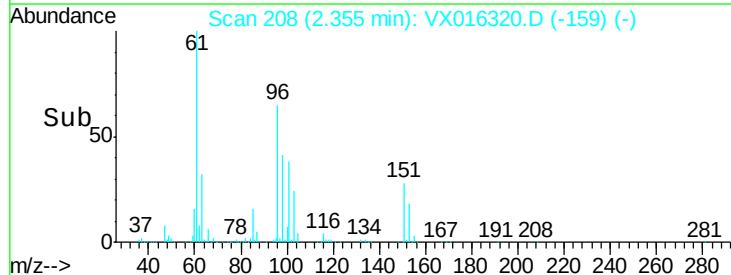
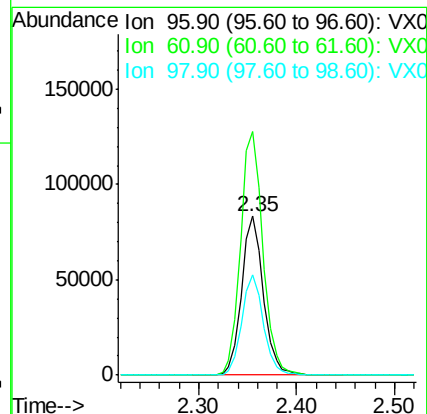
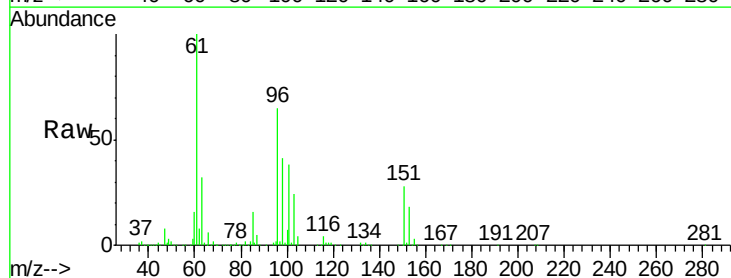
Tot Ion: 59 Resp: 198126
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

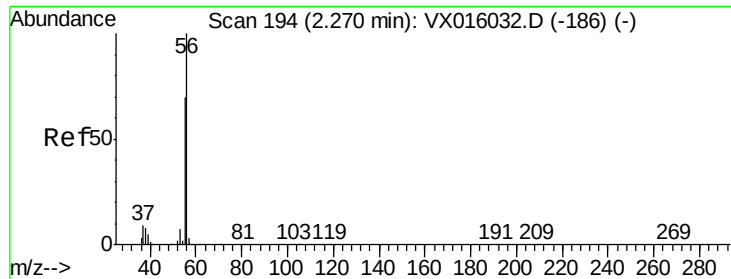


#12

1,1-Dichloroethene
 Concen: 48.583 ug/l
 RT: 2.35 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 96 Resp: 128397
 Ion Ratio Lower Upper
 96 100
 61 153.6 124.8 187.2
 98 63.3 49.7 74.5





#13

Acrolein

Concen: 272.049 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

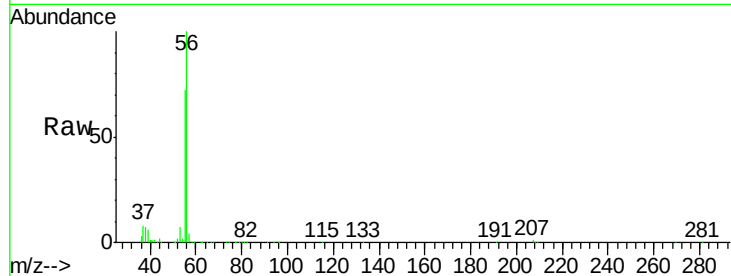
VSTDCCC050EC

Tot Ion: 56 Resp: 144023

Ion Ratio Lower Upper

56 100

55 70.4 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

100000

80000

60000

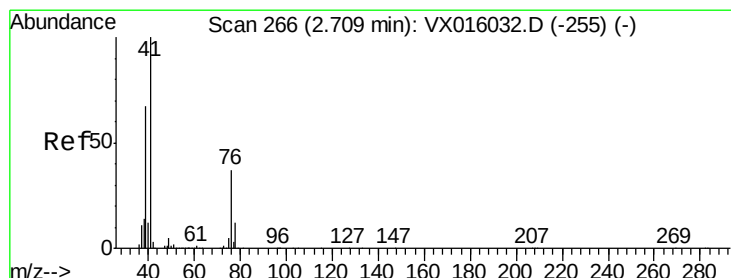
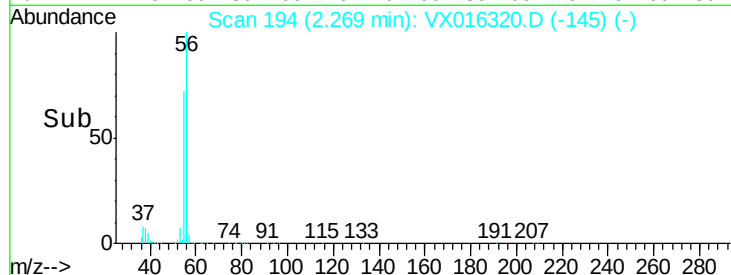
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 46.178 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

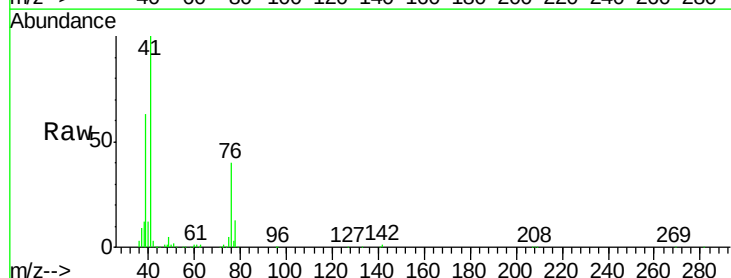
Tgt Ion: 41 Resp: 223769

Ion Ratio Lower Upper

41 100

39 58.1 50.5 75.7

76 35.5 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

300000

250000

200000

150000

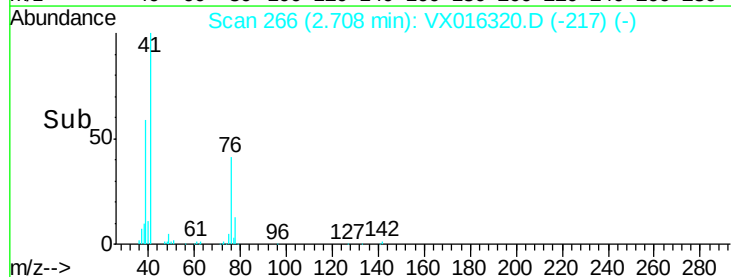
100000

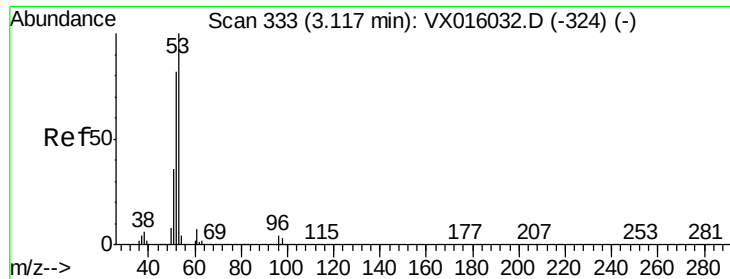
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 251.668 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

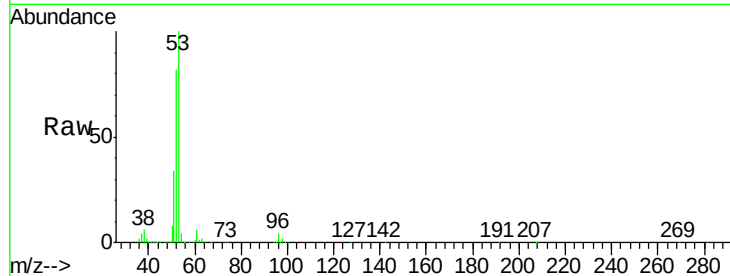
Tot Ion: 53 Resp: 441687

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

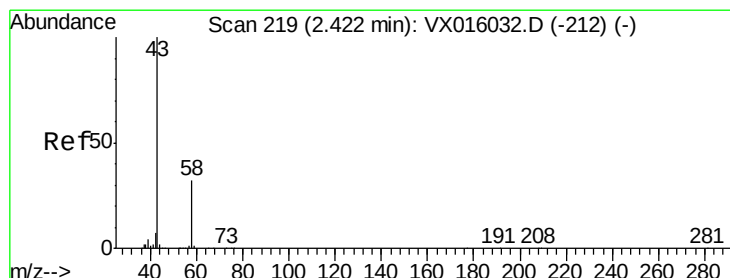
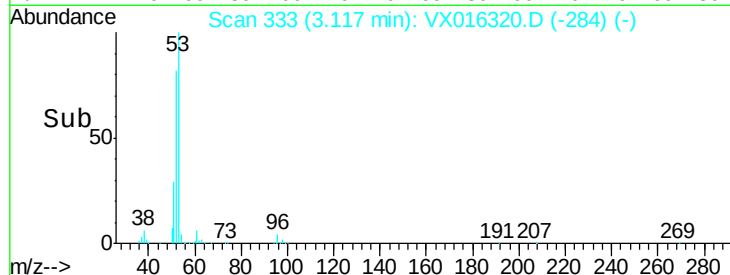
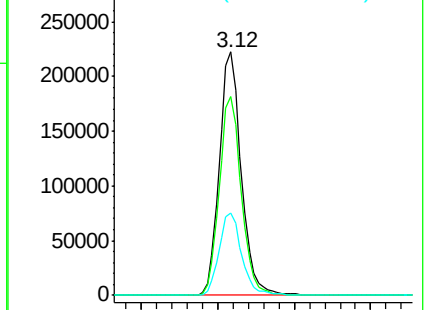
51 35.1 28.8 43.2



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: 225.813 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016320.D

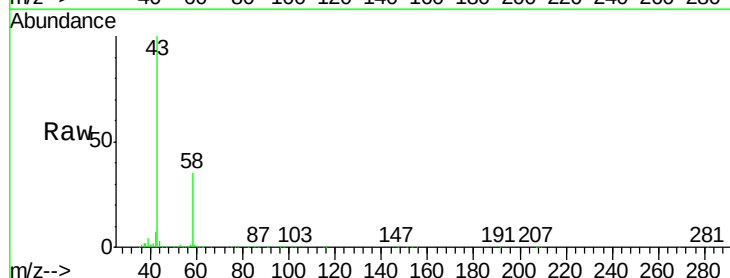
Acq: 18 May 2020 23:44

Tgt Ion: 43 Resp: 337083

Ion Ratio Lower Upper

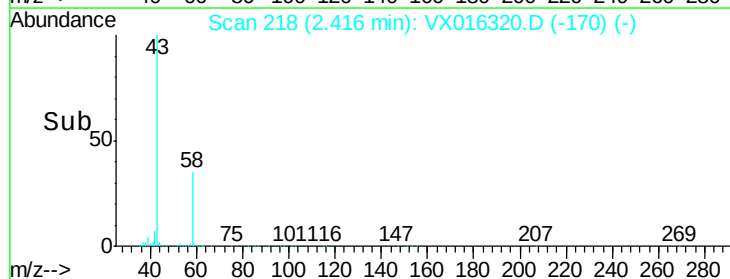
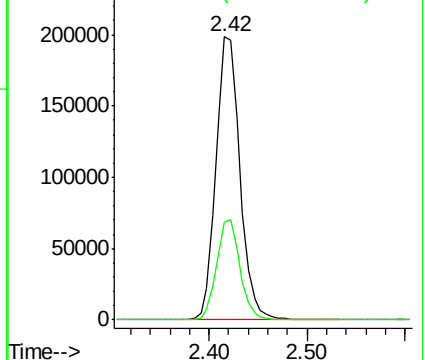
43 100

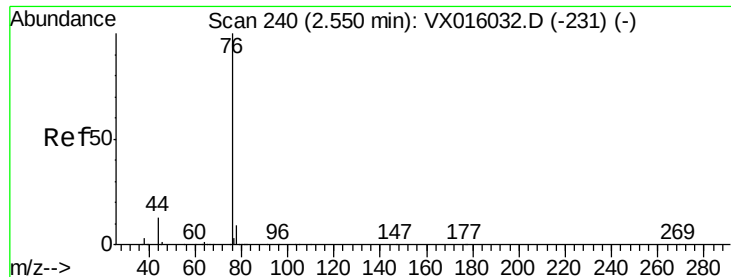
58 34.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 43.619 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

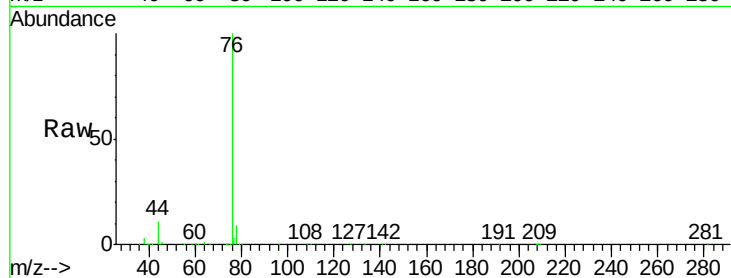
VSTDCCC050EC

Tot Ion: 76 Resp: 346399

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

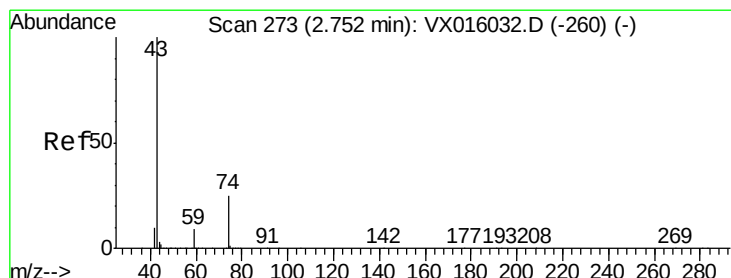
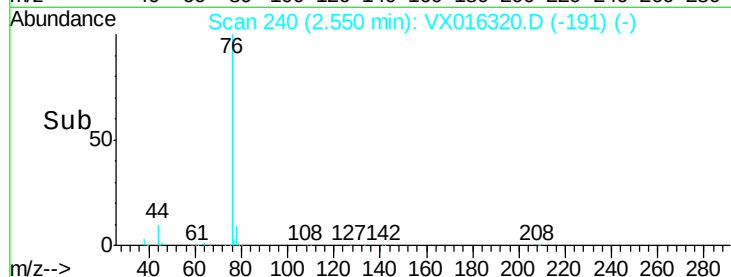
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 53.016 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016320.D

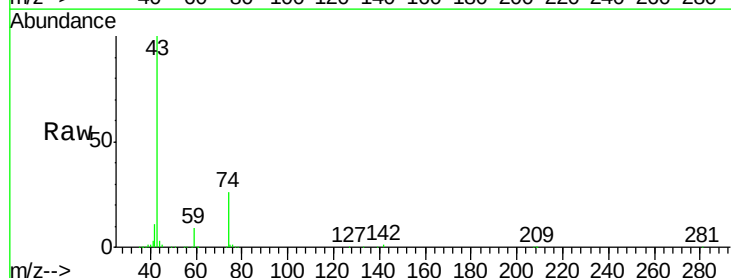
Acq: 18 May 2020 23:44

Tgt Ion: 43 Resp: 194586

Ion Ratio Lower Upper

43 100

74 26.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

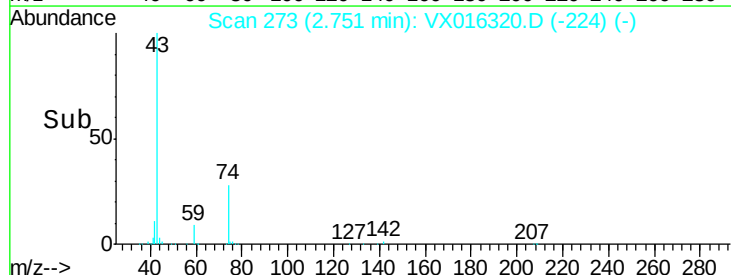
20000

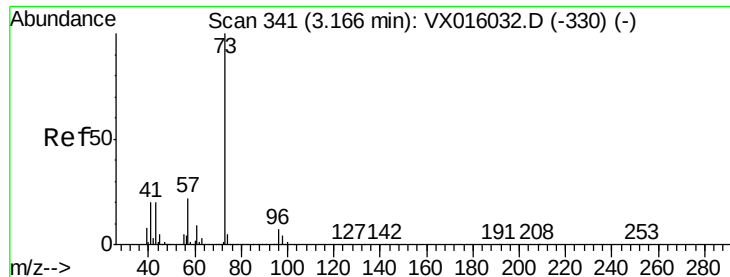
0

2.75

2.80

Time-->

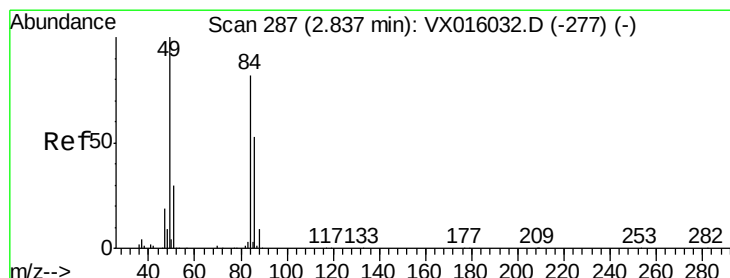
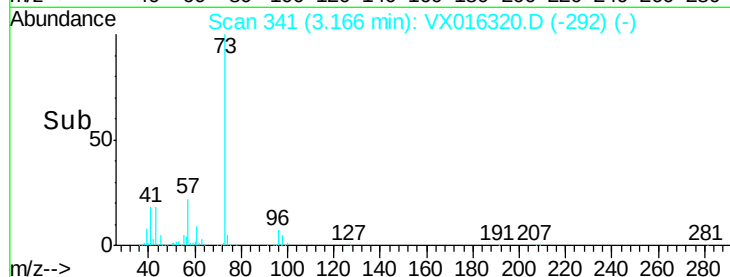
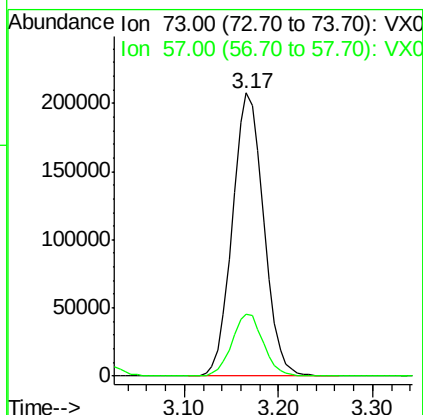
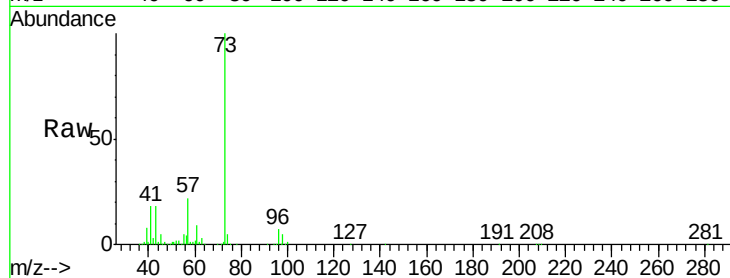




#19
Methyl tert-butyl Ether
Concen: 52.813 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

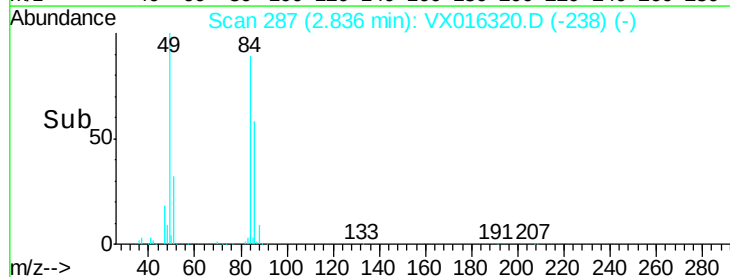
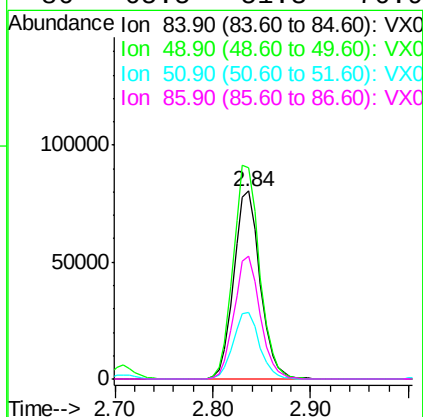
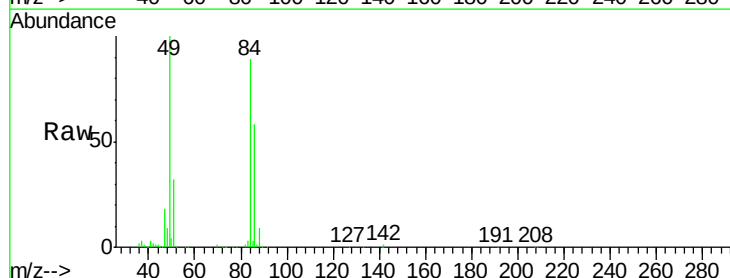
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

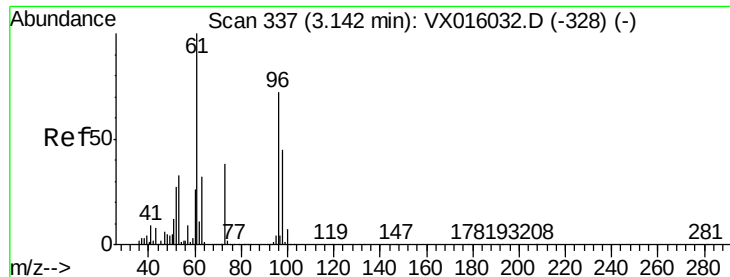
Tot Ion: 73 Resp: 481160
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.6



#20
Methylene Chloride
Concen: 48.992 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 84 Resp: 150764
Ion Ratio Lower Upper
84 100
49 112.2 97.3 145.9
51 35.6 29.3 43.9
86 65.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.604 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

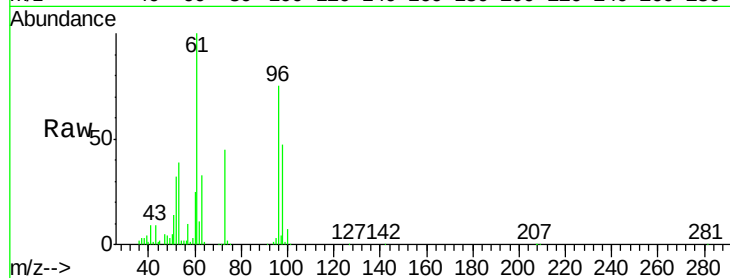
Tot Ion: 96 Resp: 143145

Ion Ratio Lower Upper

96 100

61 133.5 111.2 166.8

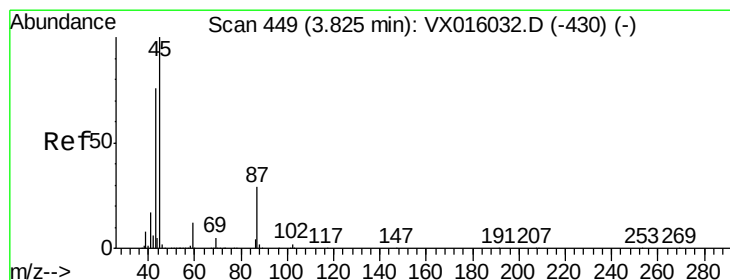
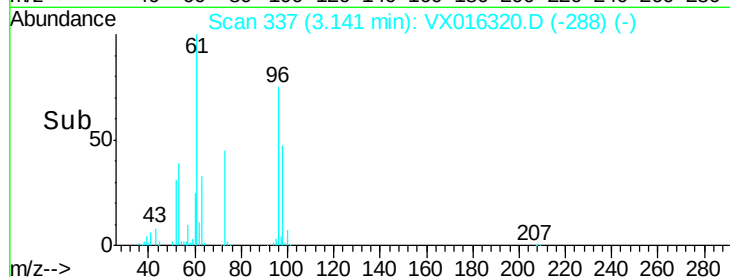
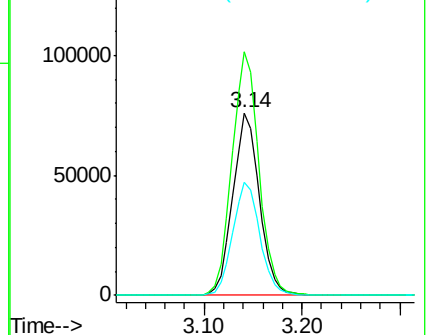
98 62.1 50.2 75.4



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: 50.066 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion: 45 Resp: 457695

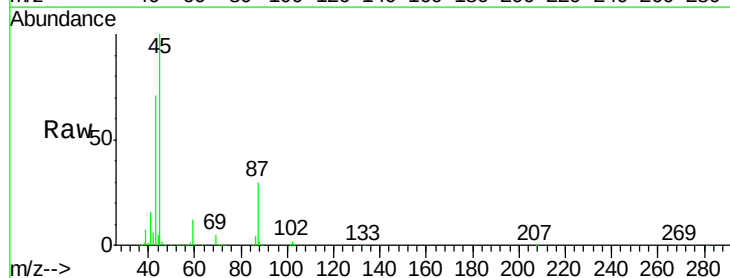
Ion Ratio Lower Upper

45 100

43 71.1 61.1 91.7

87 29.9 23.0 34.6

59 12.0 9.8 14.6

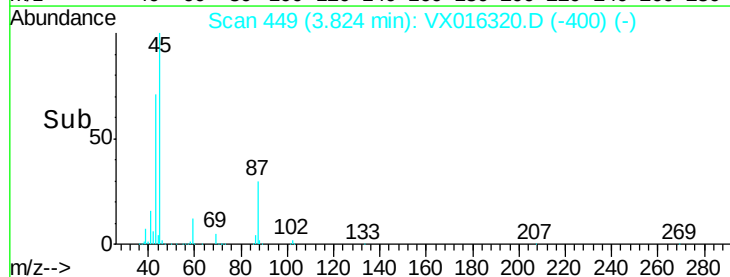
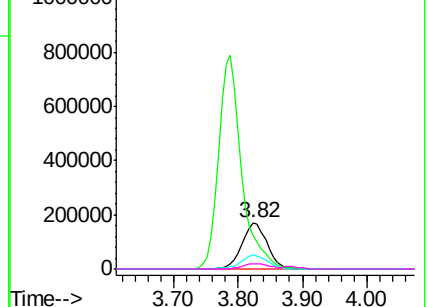


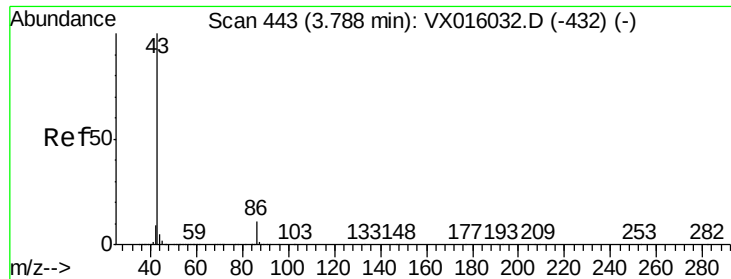
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 246.919 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

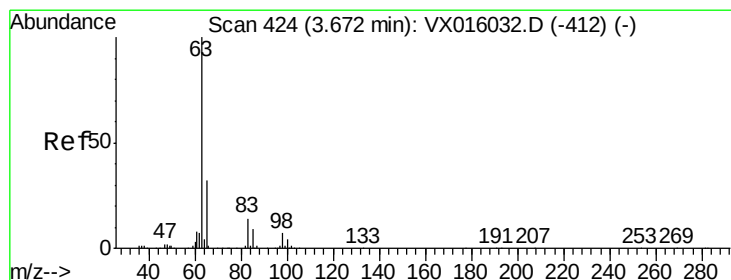
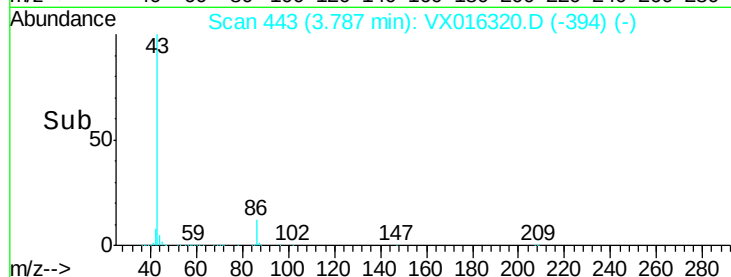
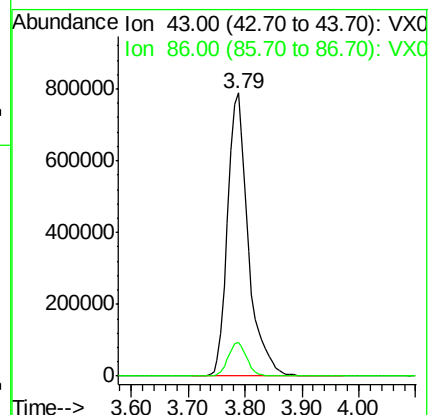
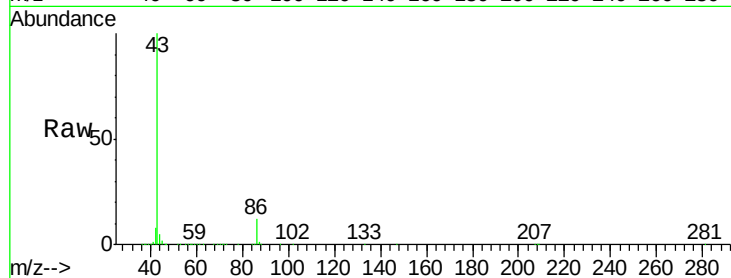
VSTDCCC050EC

Tot Ion: 43 Resp: 1985950

Ion Ratio Lower Upper

43 100

86 12.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 50.972 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

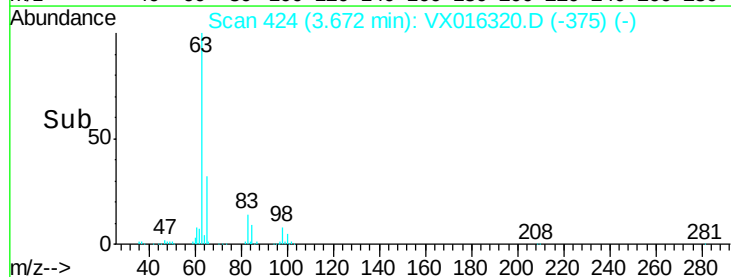
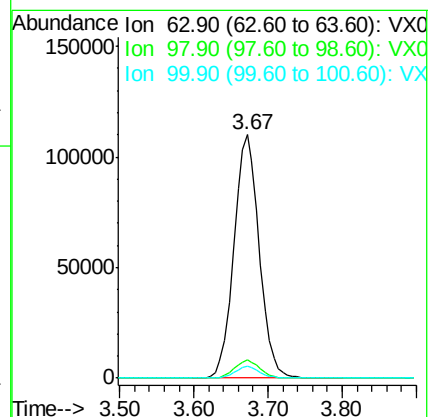
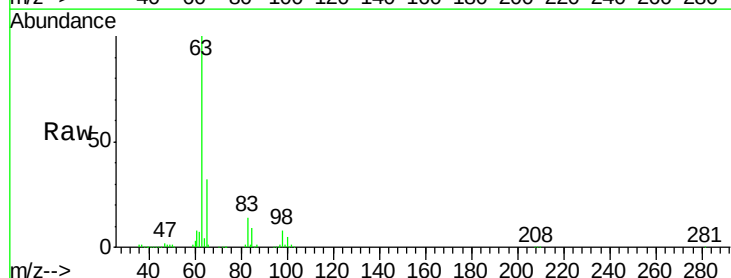
Tgt Ion: 63 Resp: 260667

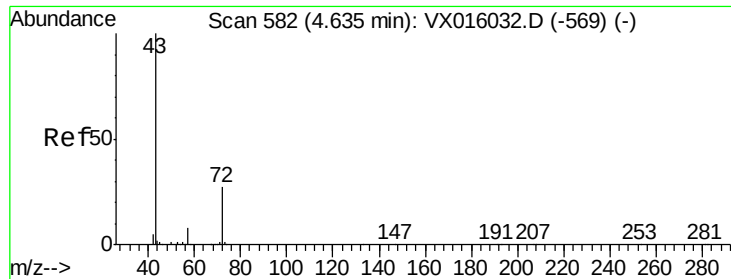
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.0 2.1 6.5

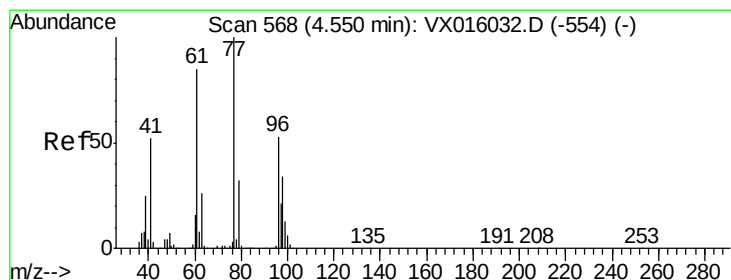
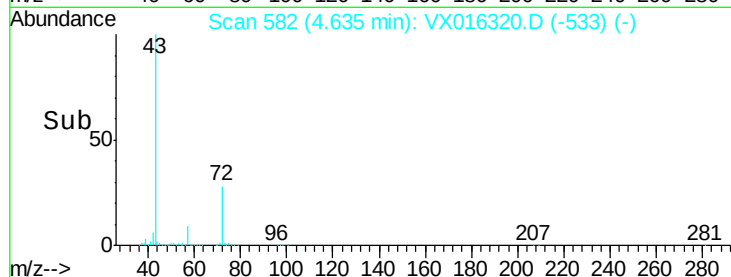
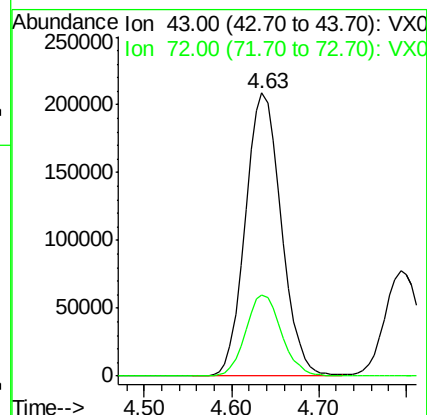
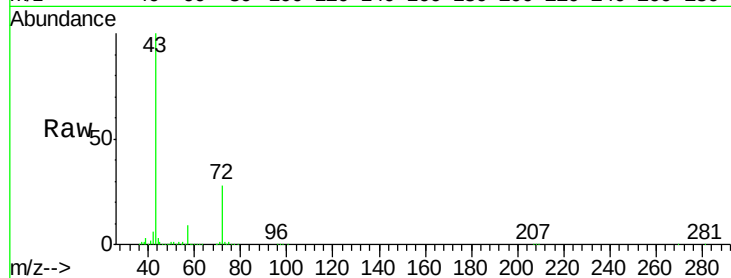




#25
2-Butanone
Concen: 246.668 ug/l
RT: 4.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

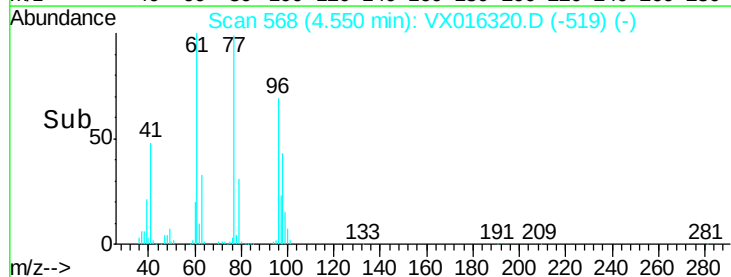
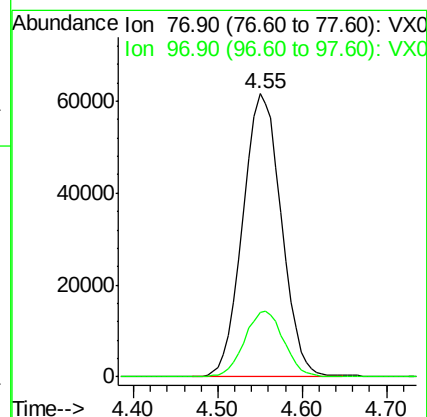
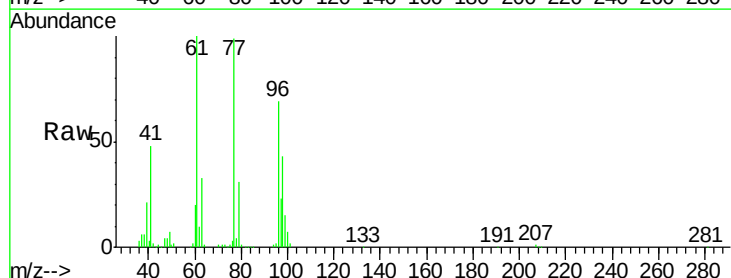
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

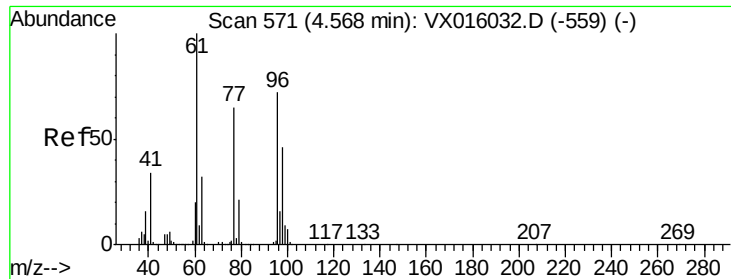
Tot Ion: 43 Resp: 593343
Ion Ratio Lower Upper
43 100
72 28.4 21.8 32.8



#26
2,2-Dichloropropane
Concen: 41.085 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 77 Resp: 191879
Ion Ratio Lower Upper
77 100
97 23.7 11.2 33.6



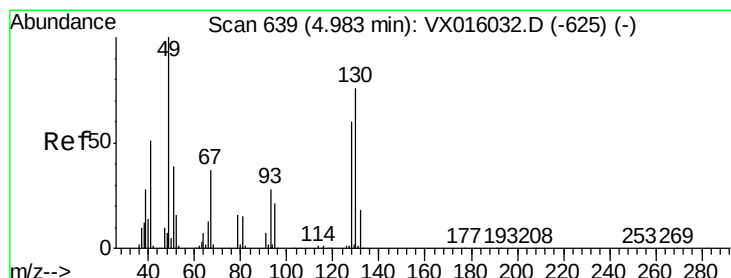
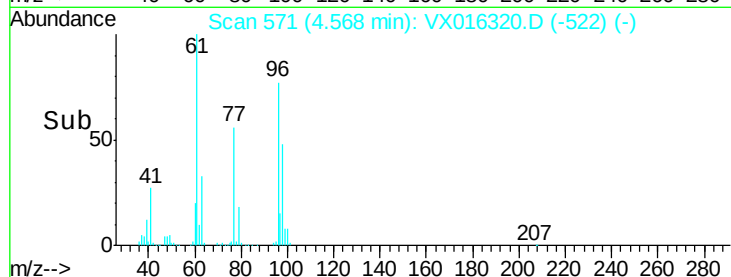
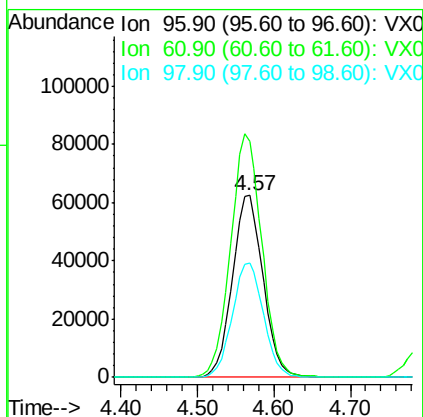
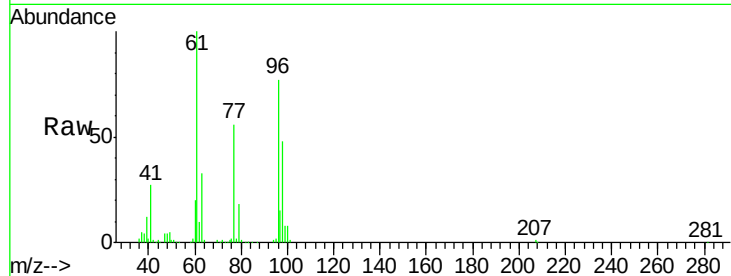


#27

cis-1,2-Dichloroethene
 Concen: 53.928 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

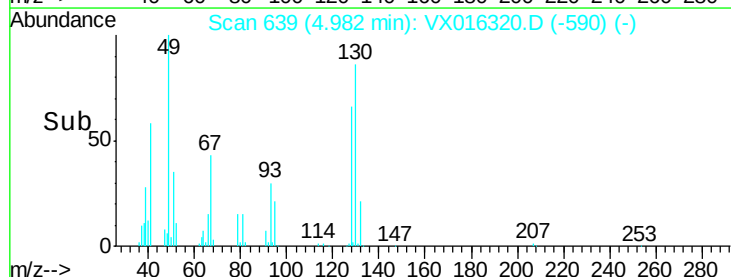
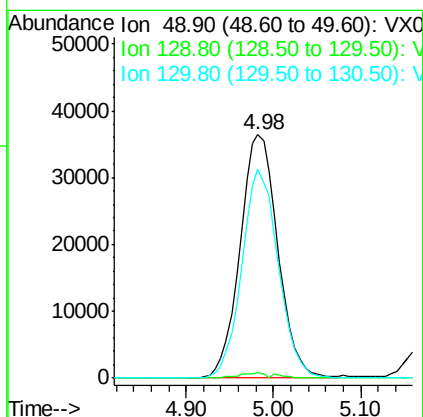
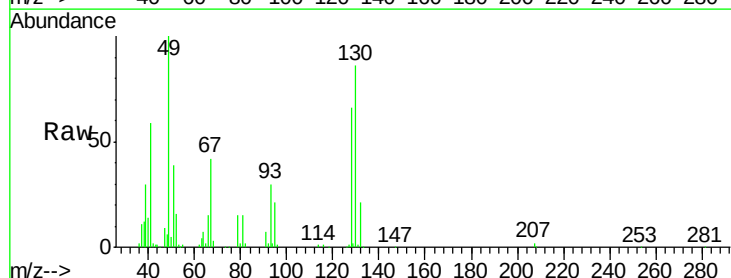
Tot Ion: 96 Resp: 173636
 Ion Ratio Lower Upper
 96 100
 61 136.9 0.0 296.2
 98 63.6 0.0 129.4

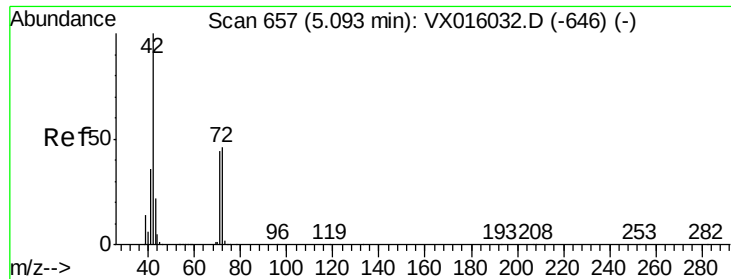


#28

Bromochloromethane
 Concen: 46.897 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 49 Resp: 109358
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.0
 130 83.1 62.4 93.6

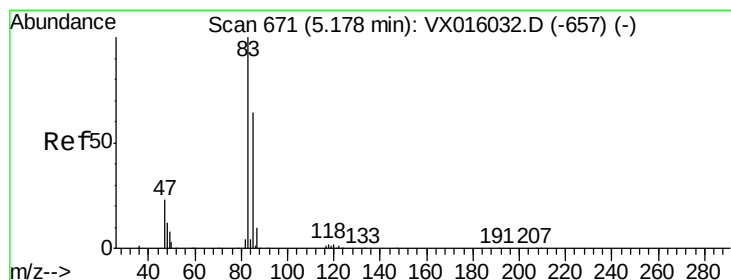
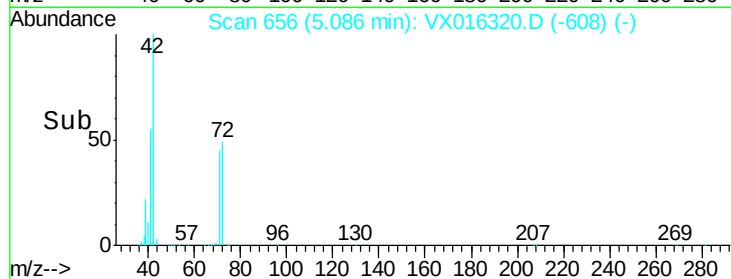
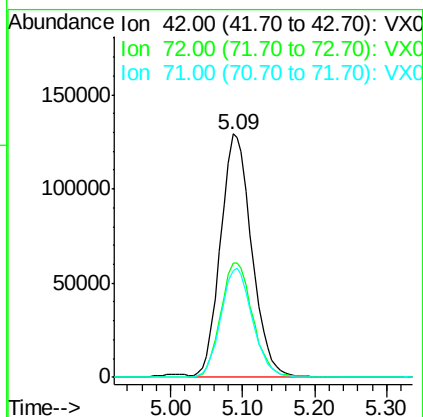
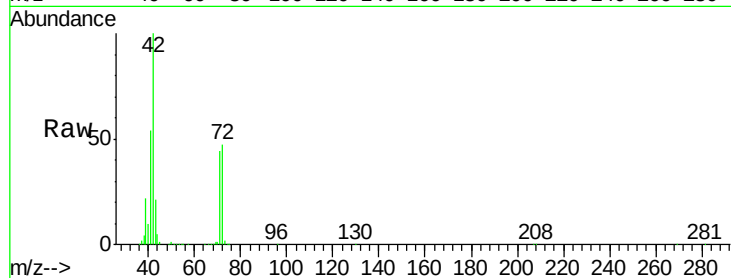




#29
Tetrahydrofuran
Concen: 244.007 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

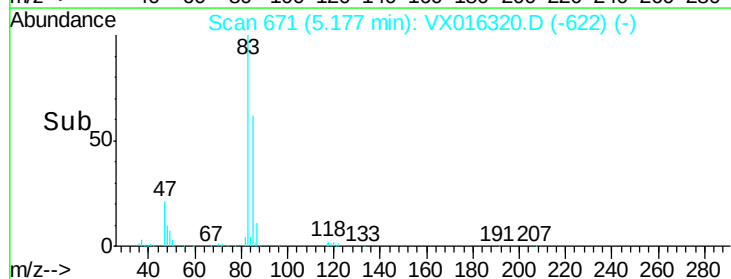
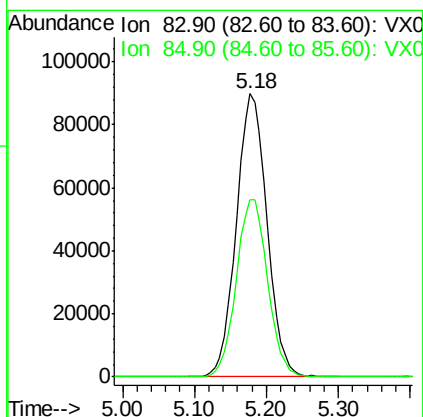
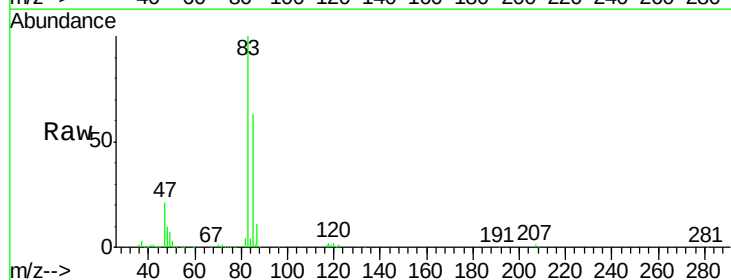
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

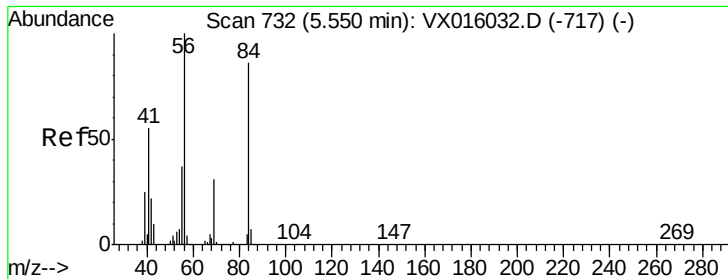
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	37.1	55.7
71	45.4	34.5	51.7



#30
Chloroform
Concen: 52.166 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.6	77.4





#31

Cyclohexane

Concen: 45.781 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

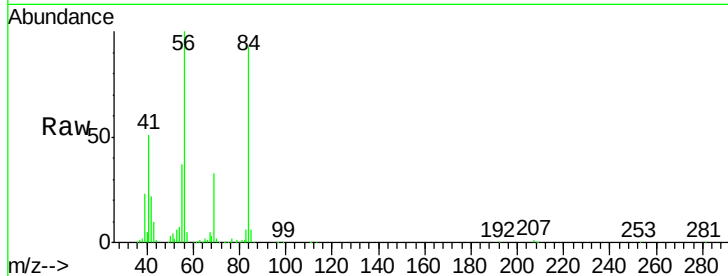
Tot Ion: 56 Resp: 212772

Ion Ratio Lower Upper

56 100

69 33.2 25.0 37.6

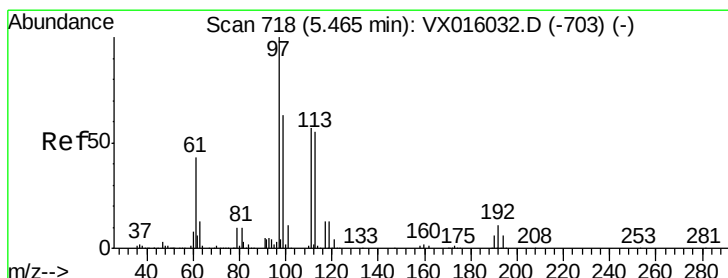
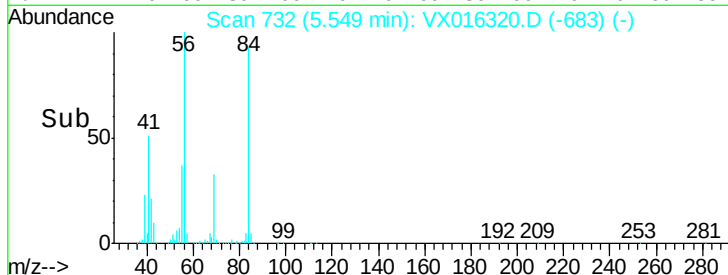
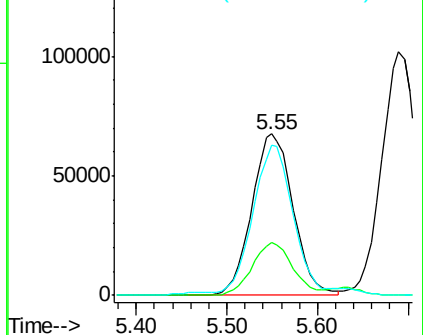
84 91.1 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.170 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

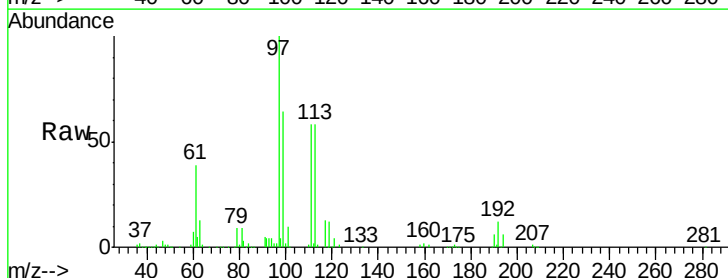
Tgt Ion: 97 Resp: 236833

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

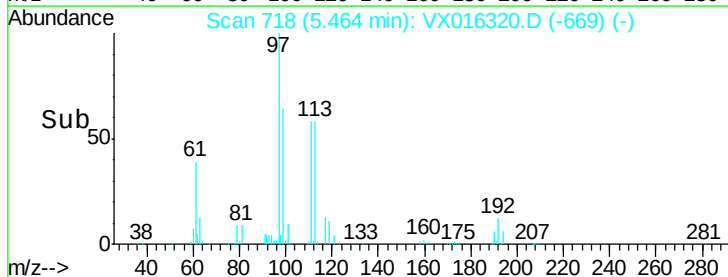
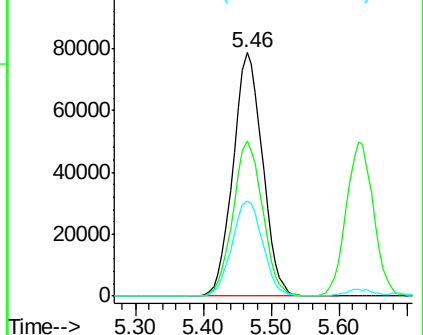
61 40.8 34.5 51.7

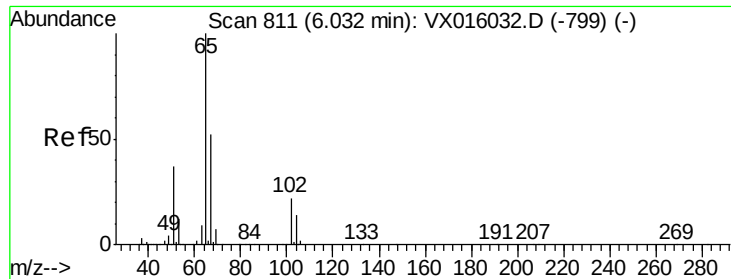


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

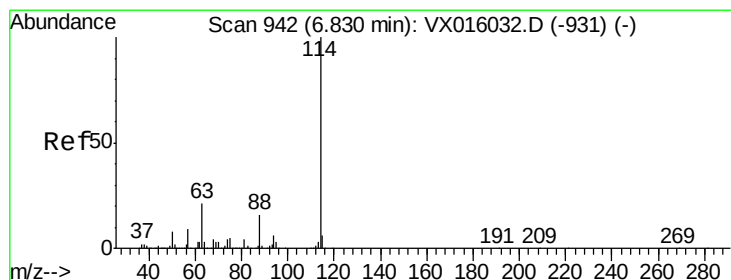
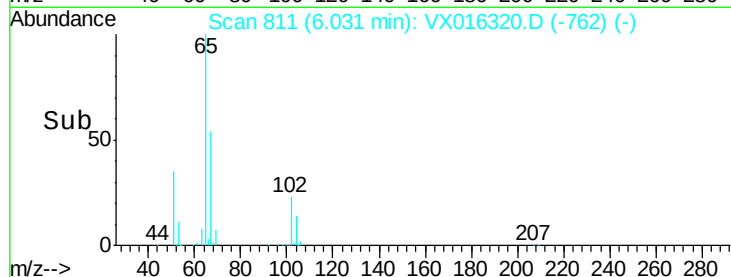
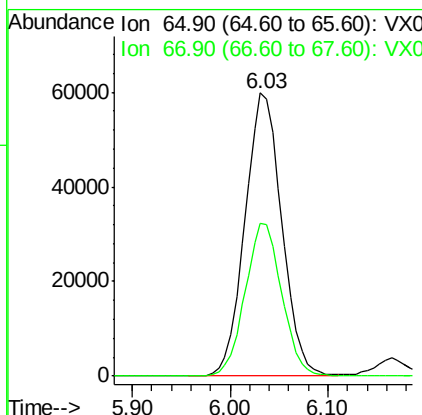
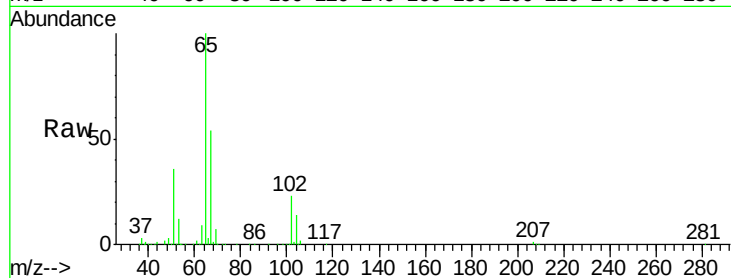




#33
 1,2-Dichloroethane-d4
 Concen: 46.730 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

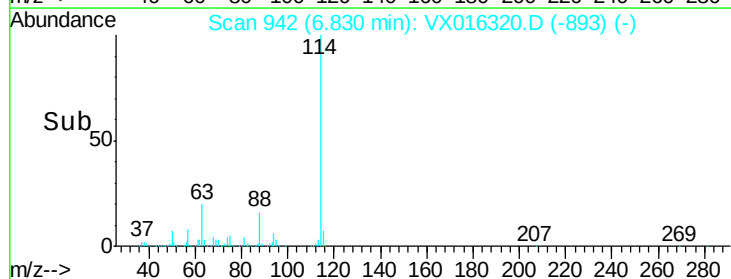
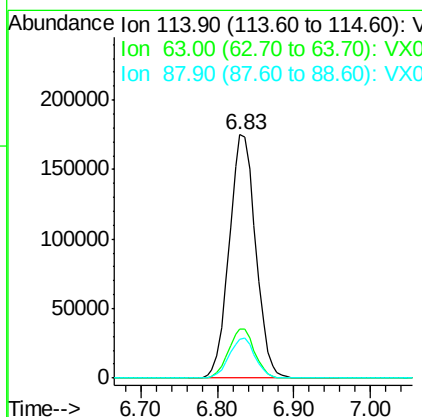
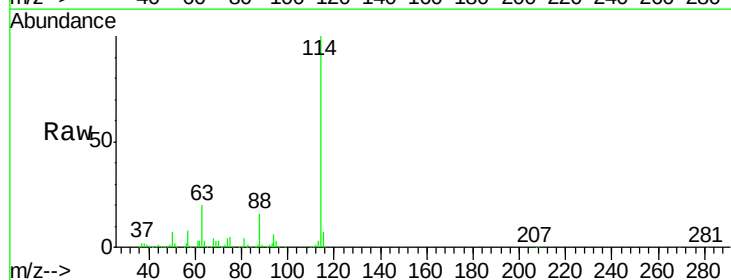
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

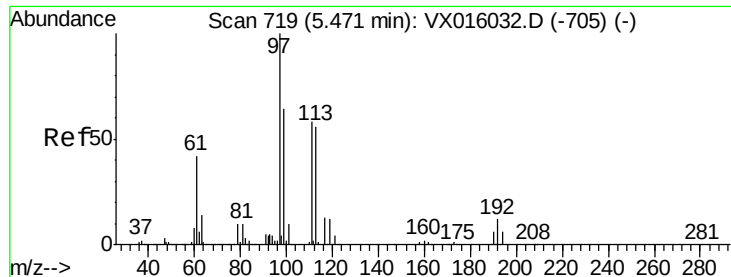
Tot Ion: 65 Resp: 156336
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 114 Resp: 418886
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 16.2 0.0 31.4

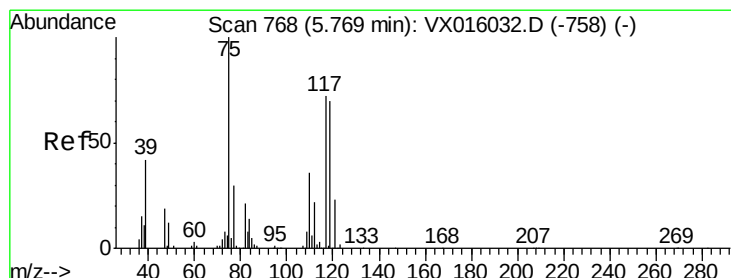
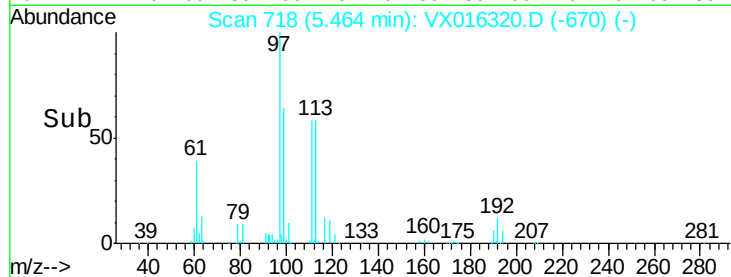
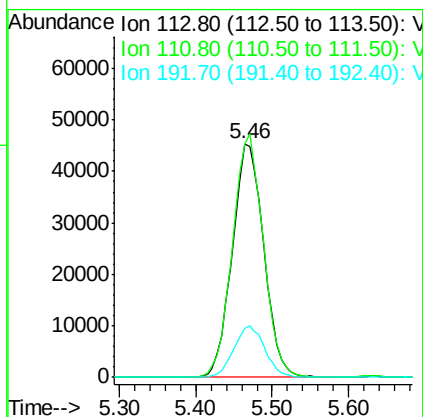
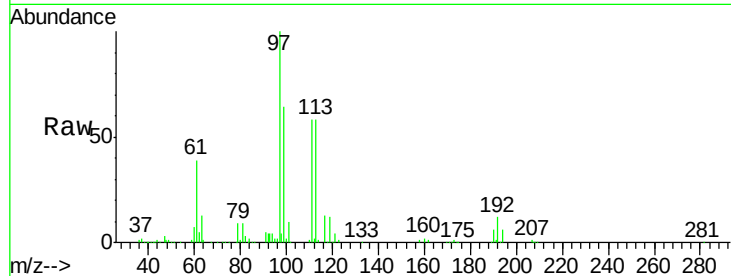




#35
 Dibromofluoromethane
 Concen: 48.696 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

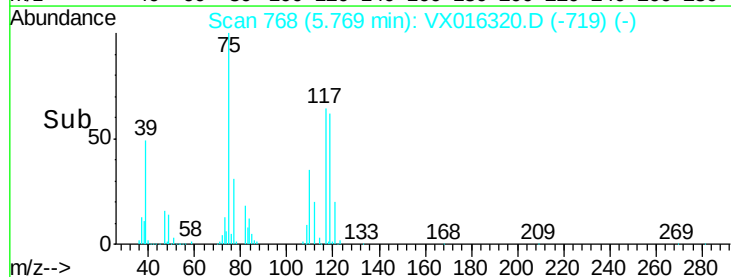
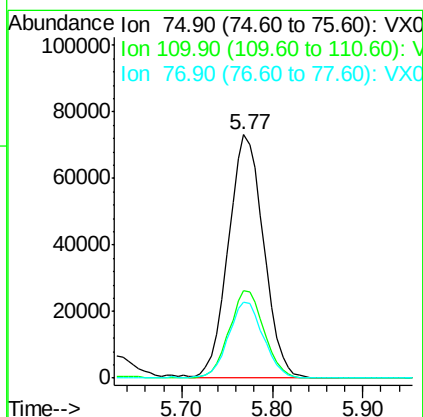
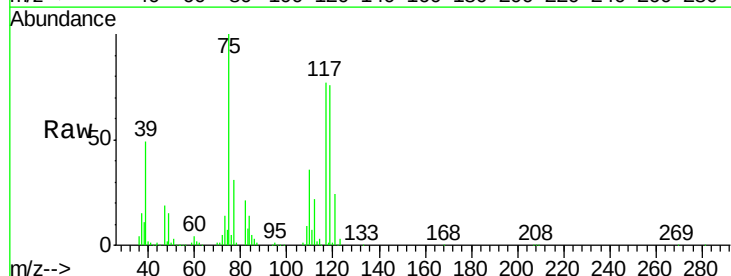
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

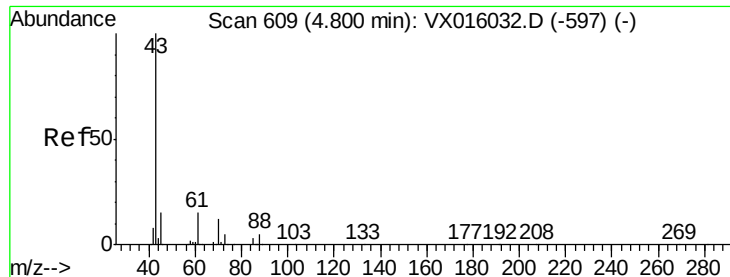
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	21.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 47.693 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	31.0	25.0	37.6

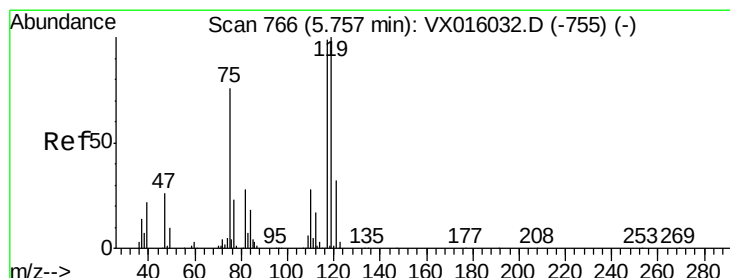
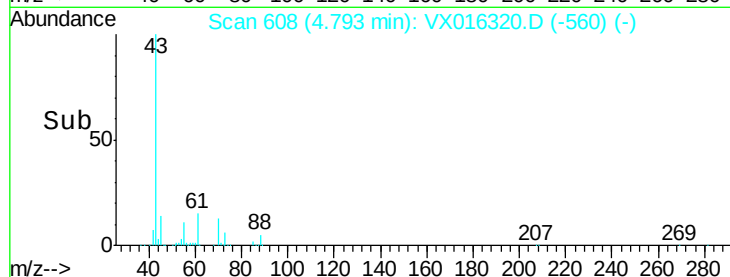
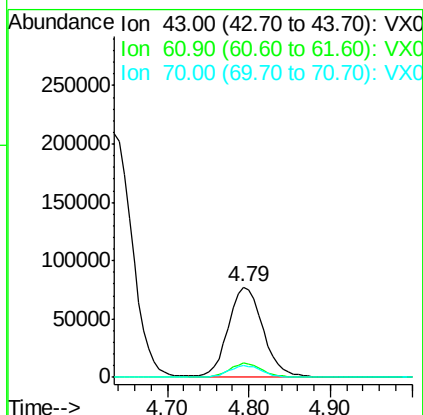
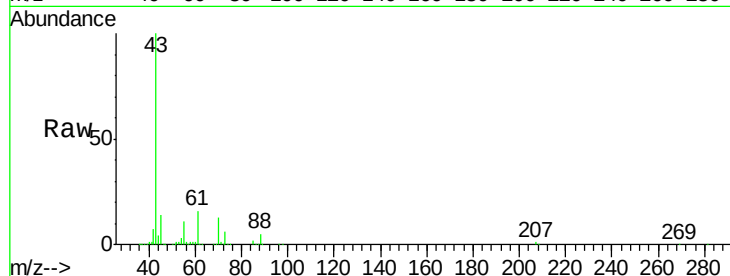




#37
Ethyl Acetate
Concen: 47.112 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

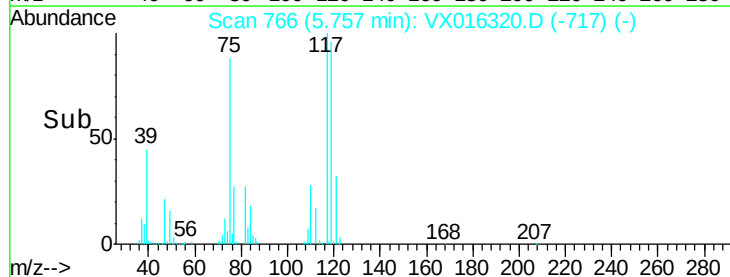
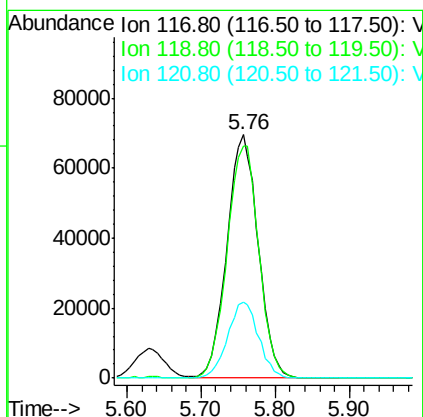
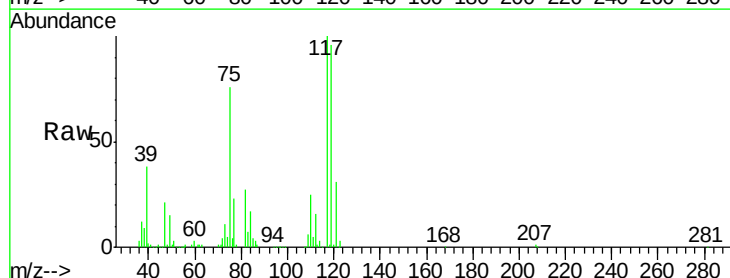
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

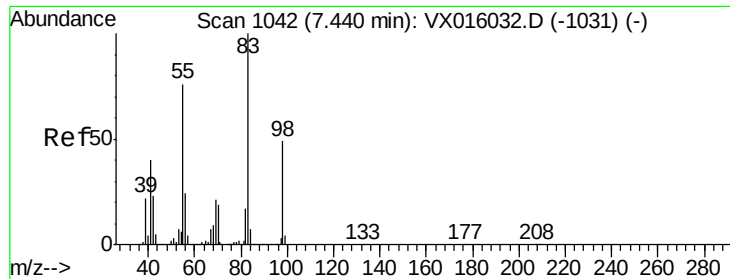
Tot Ion: 43 Resp: 225151
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 12.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 48.617 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 117 Resp: 203757
Ion Ratio Lower Upper
117 100
119 95.4 80.3 120.5
121 31.4 25.7 38.5

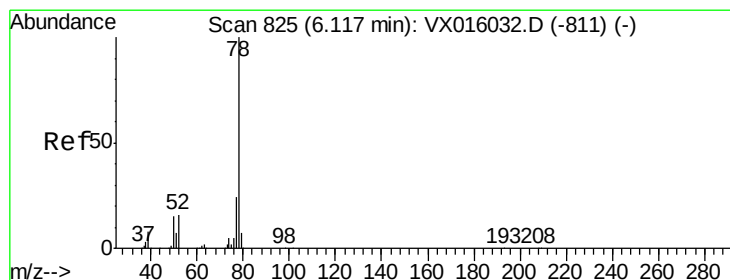
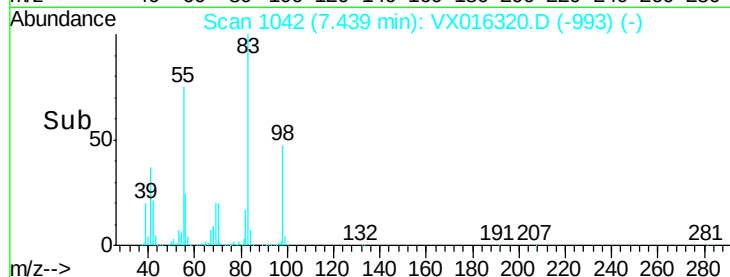
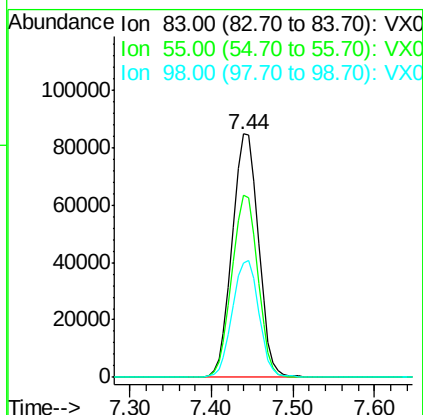
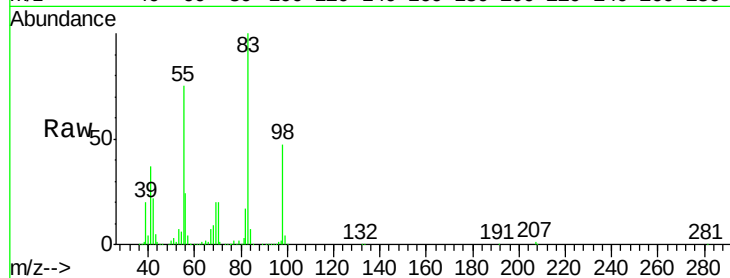




#39
Methylvlcyclohexane
Concen: 37.942 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

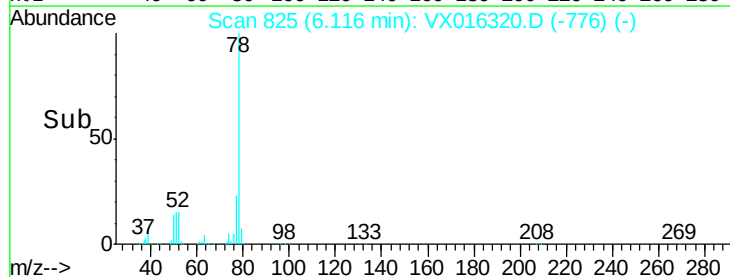
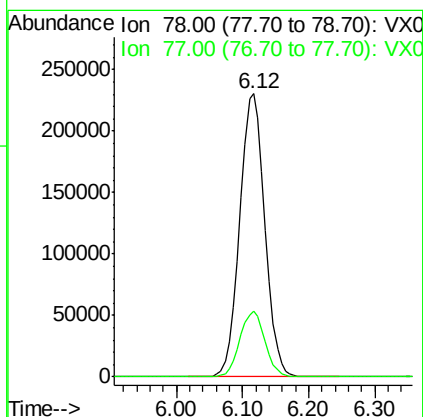
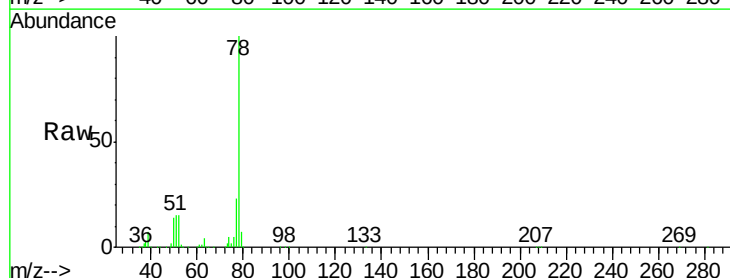
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

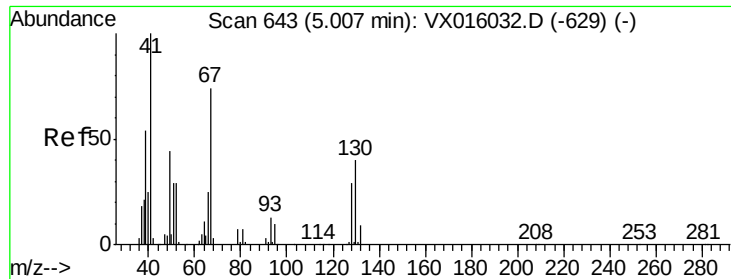
Tot Ion: 83 Resp: 188406
Ion Ratio Lower Upper
83 100
55 75.0 61.1 91.7
98 47.0 39.0 58.4



#40
Benzene
Concen: 50.159 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 78 Resp: 605157
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

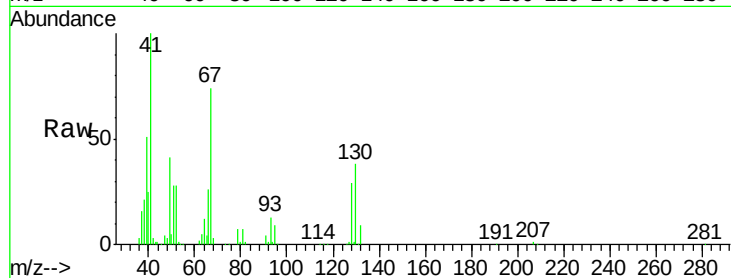




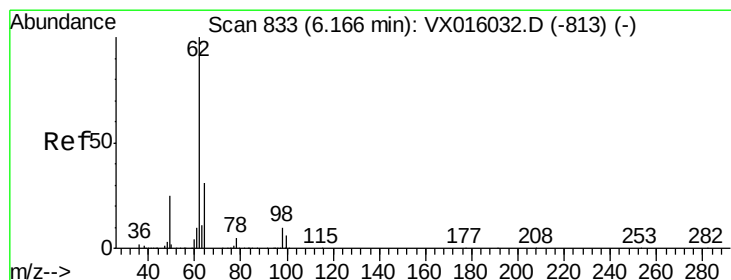
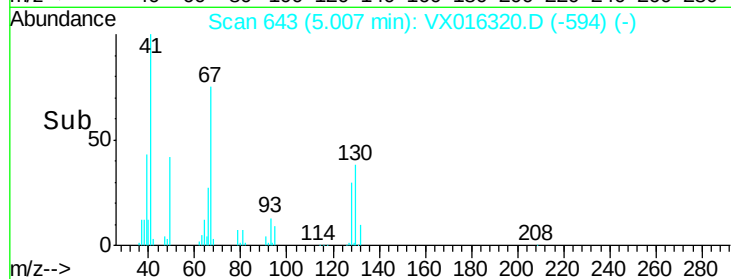
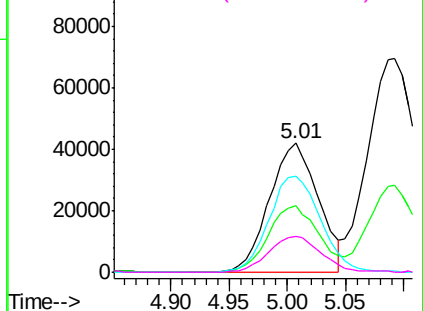
#41
Methacrylonitrile
Concen: 47.374 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	122270
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.2	64.8
67	78.6	59.3	88.9
52	30.4	23.5	35.3

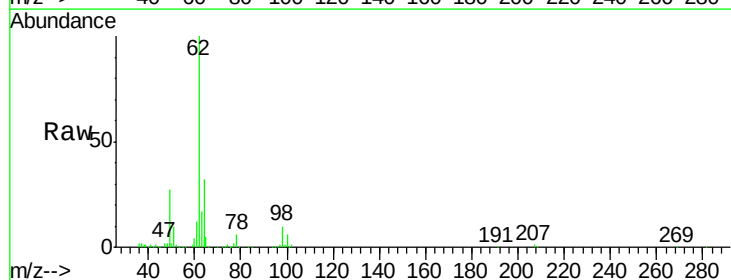


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

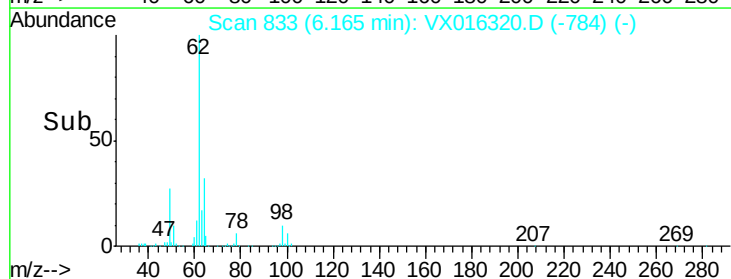
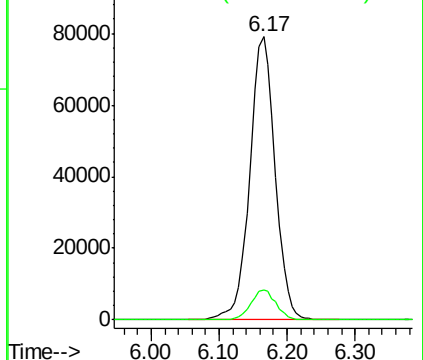


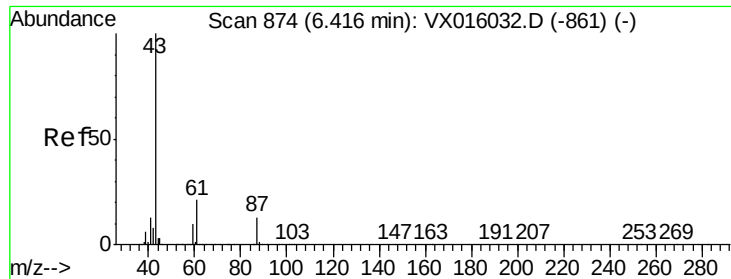
#42
1,2-Dichloroethane
Concen: 47.353 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion:	62	Resp:	205802
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 47.718 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

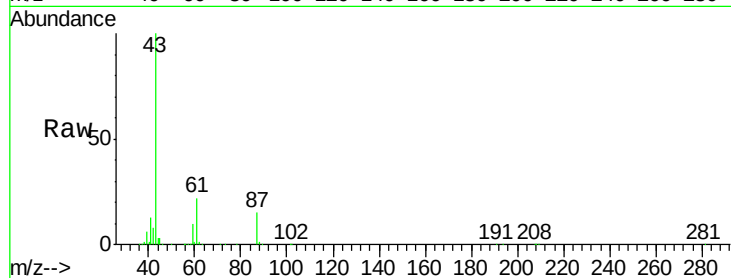
Tot Ion: 43 Resp: 363858

Ion Ratio Lower Upper

43 100

61 22.4 17.0 25.4

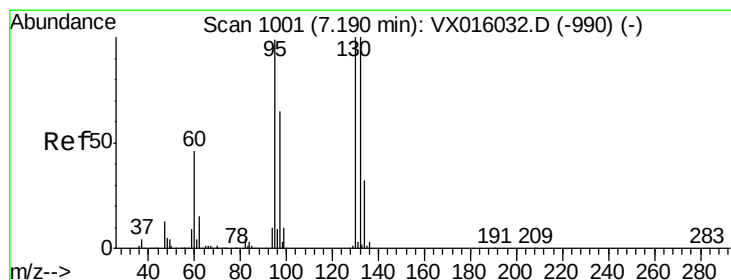
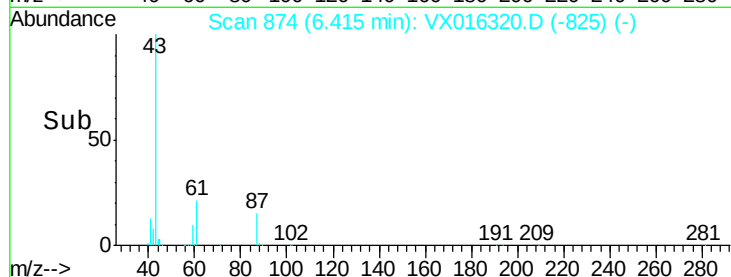
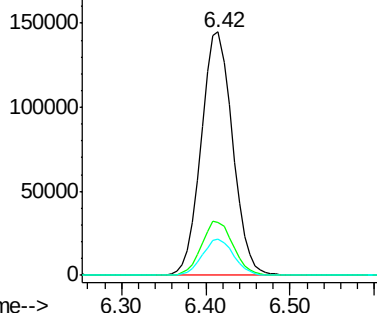
87 14.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 43.417 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016320.D

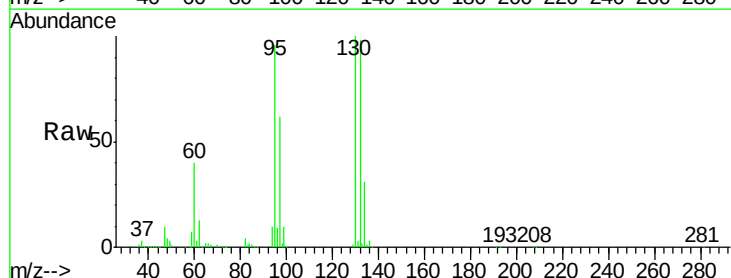
Acq: 18 May 2020 23:44

Tgt Ion: 130 Resp: 186091

Ion Ratio Lower Upper

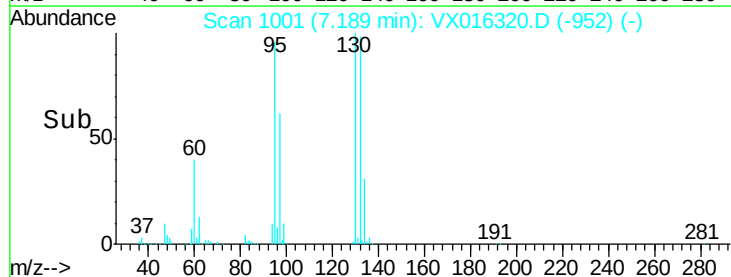
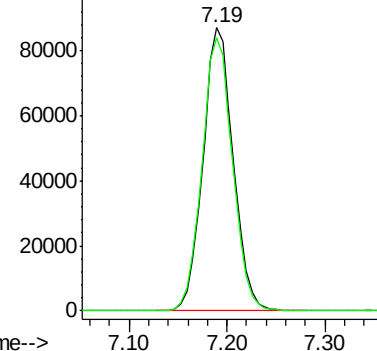
130 100

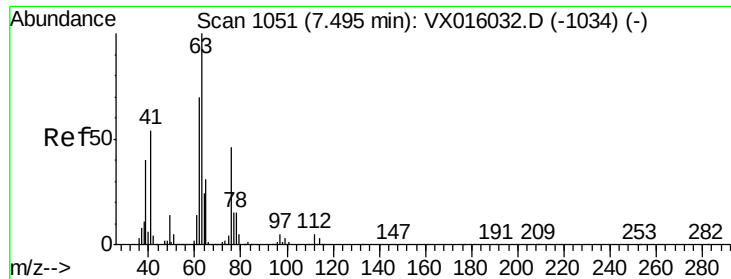
95 96.4 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.942 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

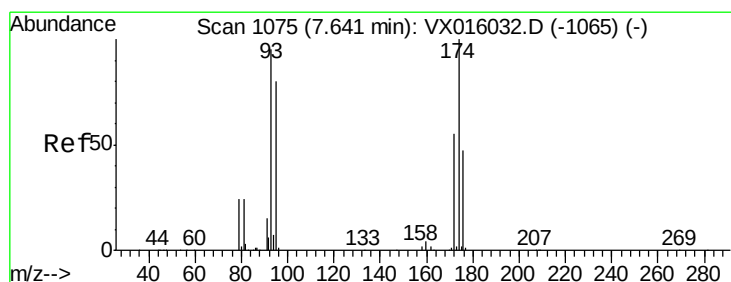
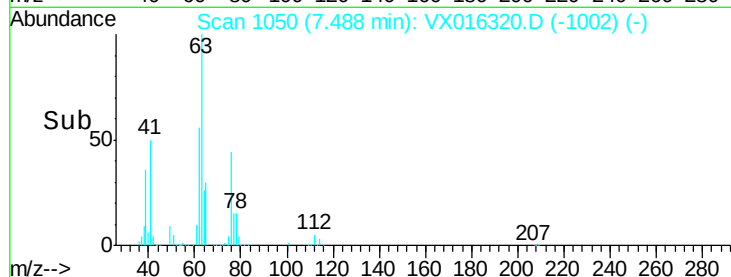
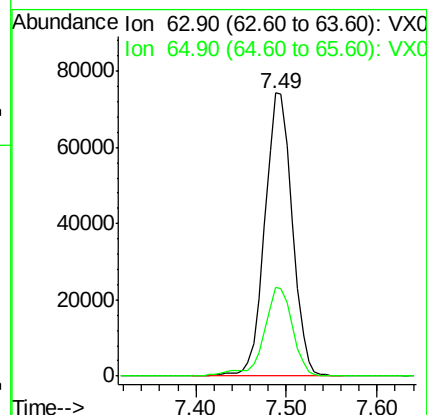
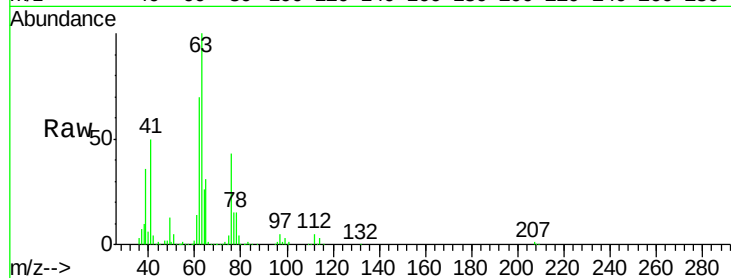
VSTDCCC050EC

Tot Ion: 63 Resp: 155514

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



#46

Dibromomethane

Concen: 49.711 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

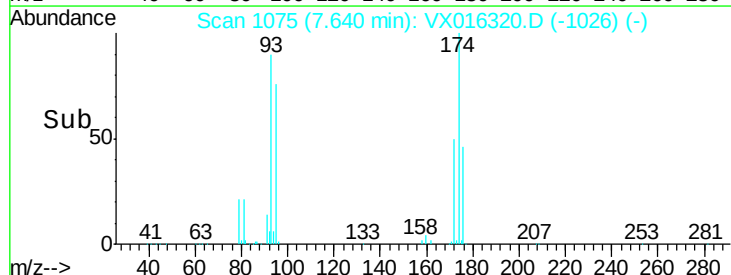
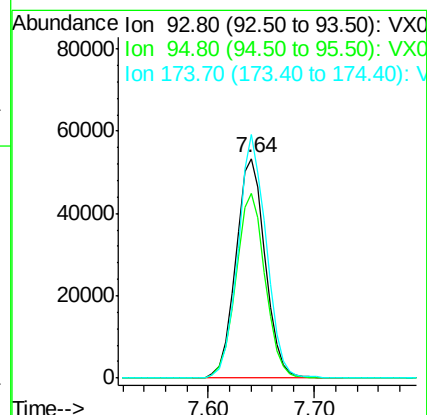
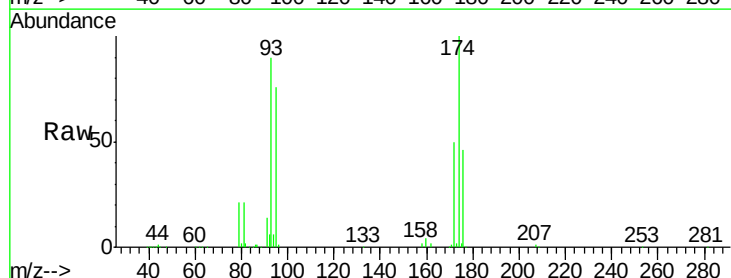
Tgt Ion: 93 Resp: 103129

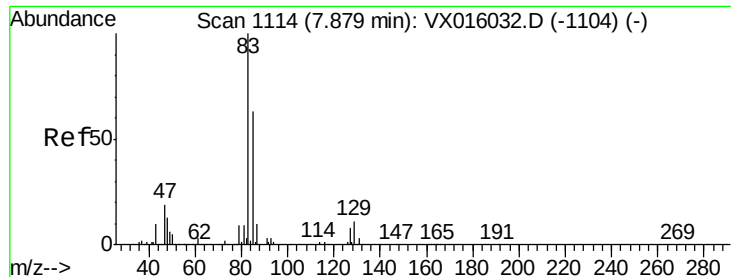
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 106.1 84.2 126.4





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

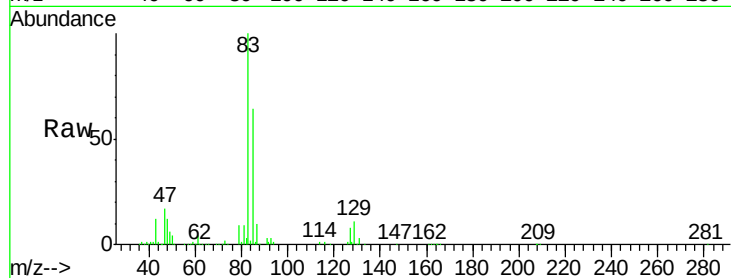
Tot Ion: 83 Resp: 215943

Ion Ratio Lower Upper

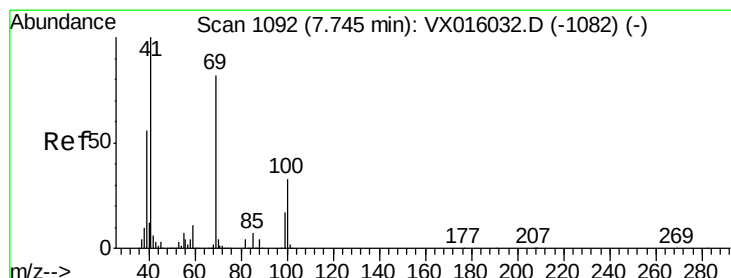
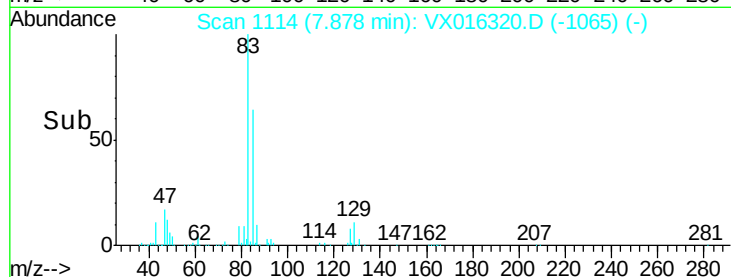
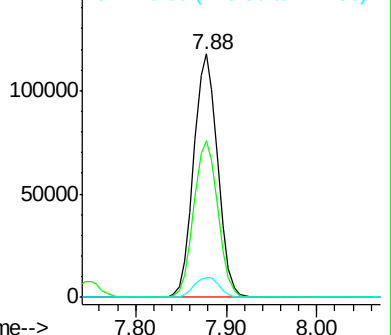
83 100

85 64.2 50.5 75.7

127 8.3 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: 47.789 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

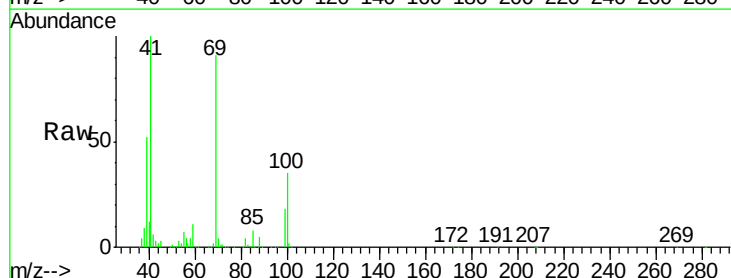
Tgt Ion: 41 Resp: 172668

Ion Ratio Lower Upper

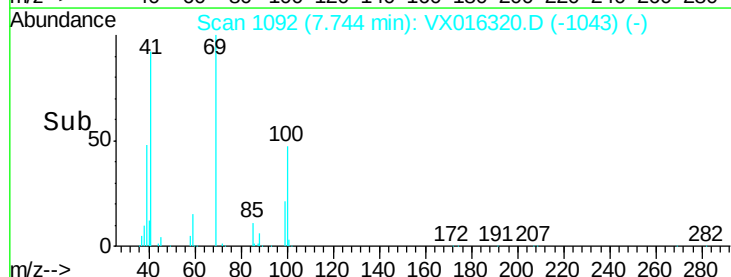
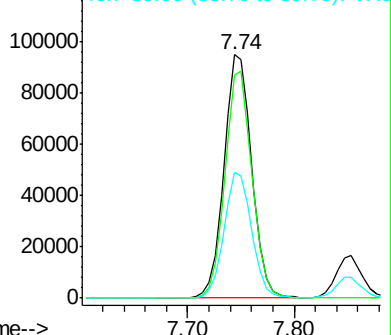
41 100

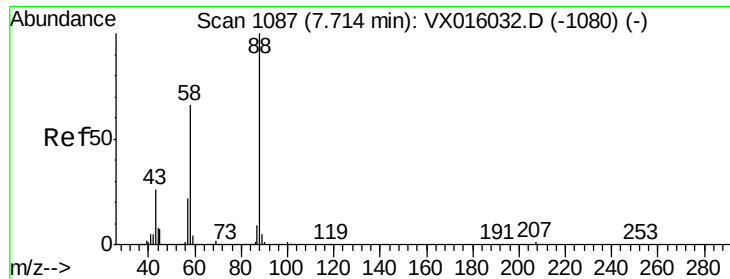
69 91.4 67.8 101.6

39 51.3 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

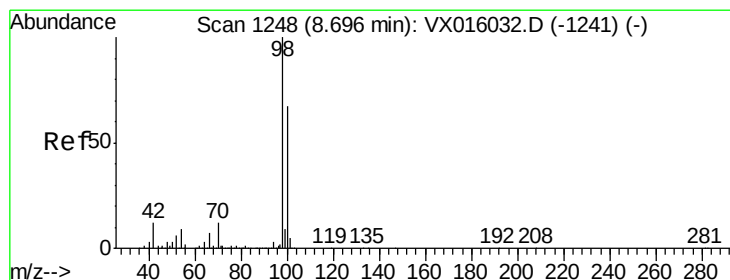
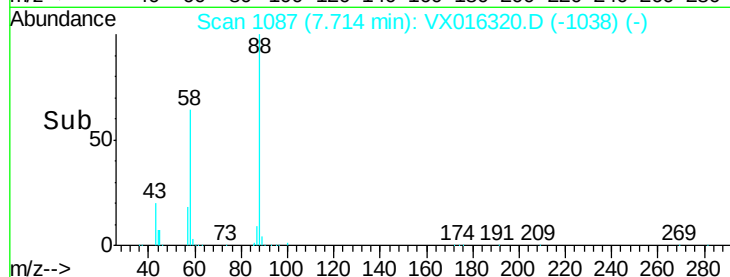
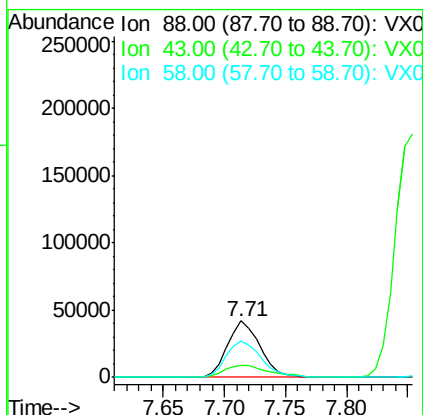
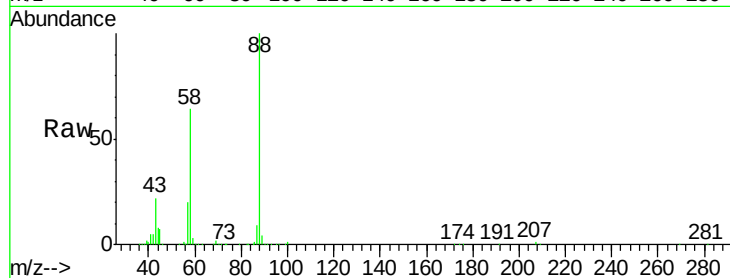




#49
1,4-Dioxane
Concen: 887.937 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

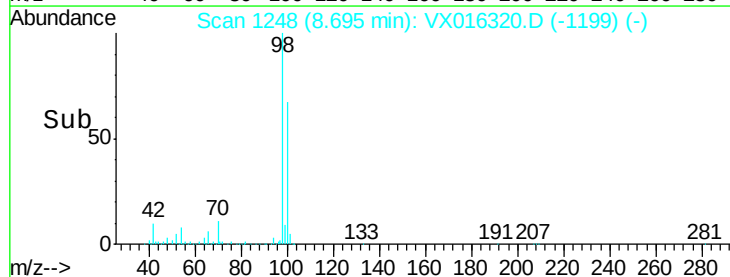
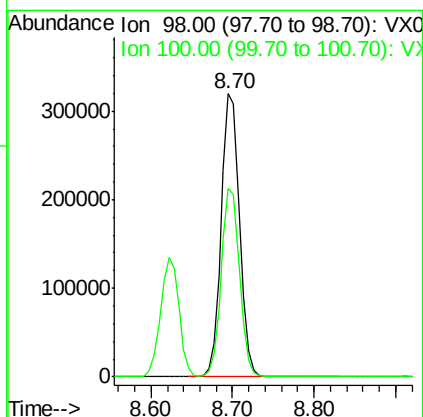
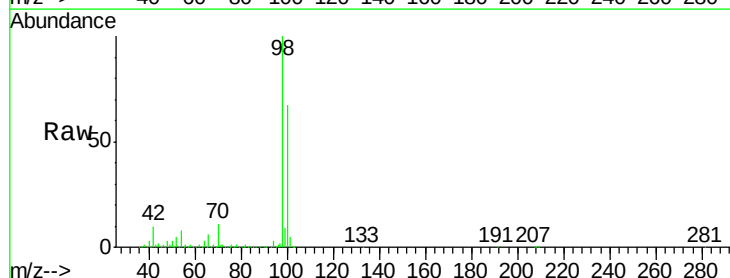
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

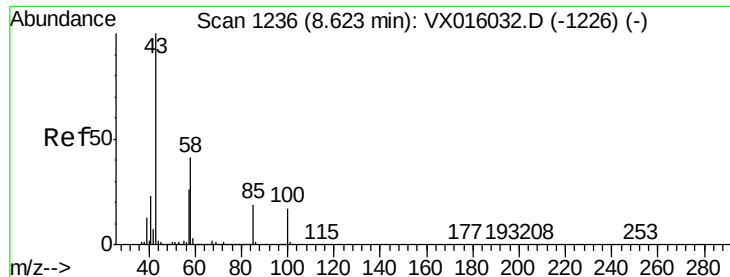
Tot Ion	88	Resp	76945
Ion	Ratio	Lower	Upper
88	100		
43	28.9	25.3	37.9
58	70.0	55.9	83.9



#50
Toluene-d8
Concen: 48.669 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	98	Resp	497662
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.7	80.5

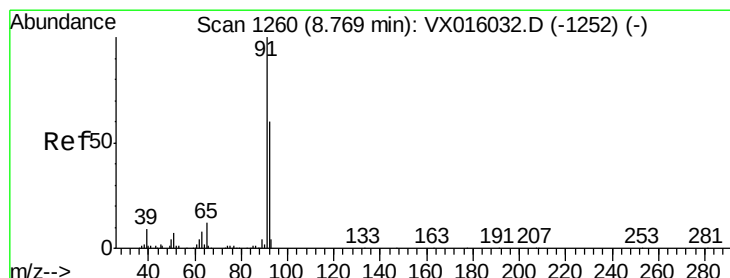
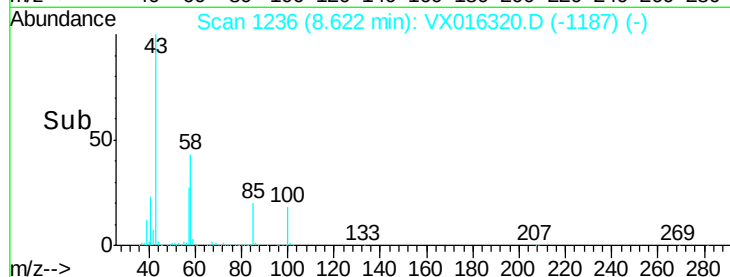
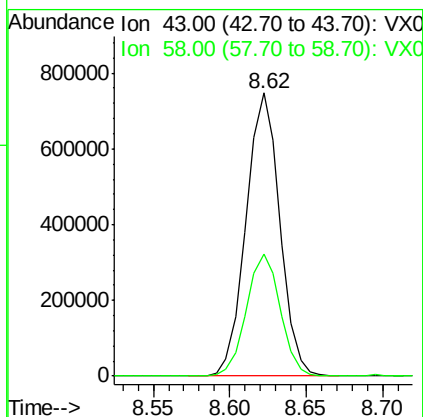
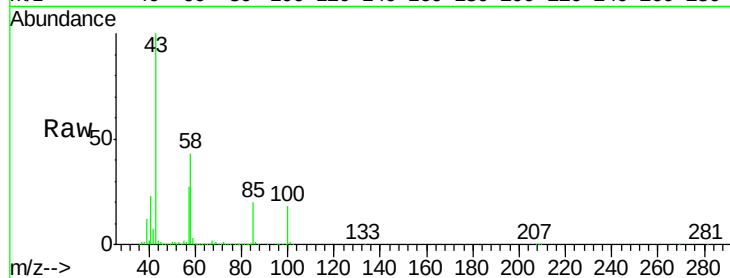




#51
 4-Methyl-2-Pentanone
 Concen: 246.154 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

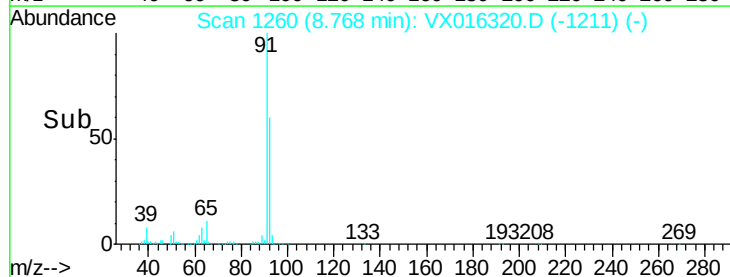
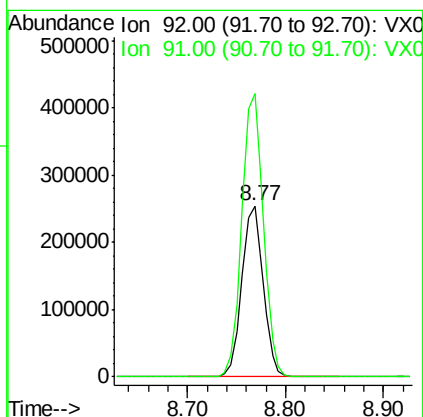
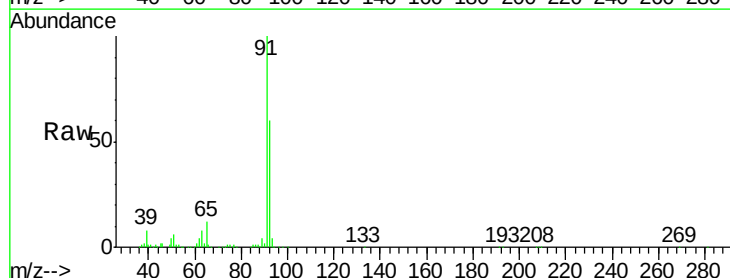
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

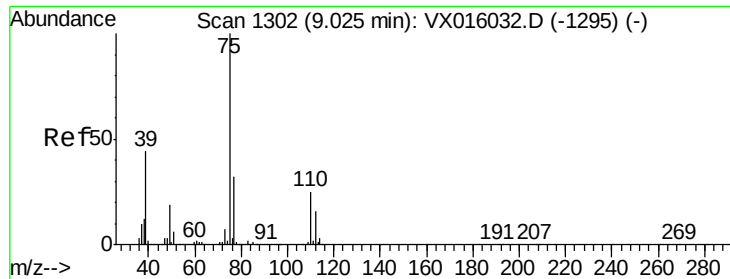
Tot Ion: 43 Resp: 1148597
 Ion Ratio Lower Upper
 43 100
 58 43.3 33.0 49.4



#52
 Toluene
 Concen: 51.478 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 92 Resp: 387118
 Ion Ratio Lower Upper
 92 100
 91 166.6 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 48.501 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

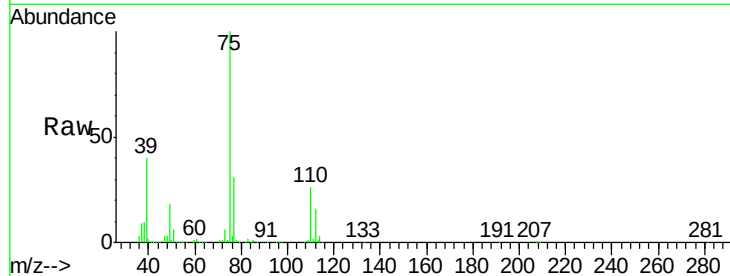
VSTDCCC050EC

Tot Ion: 75 Resp: 244337

Ion Ratio Lower Upper

75 100

77 30.8 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

150000

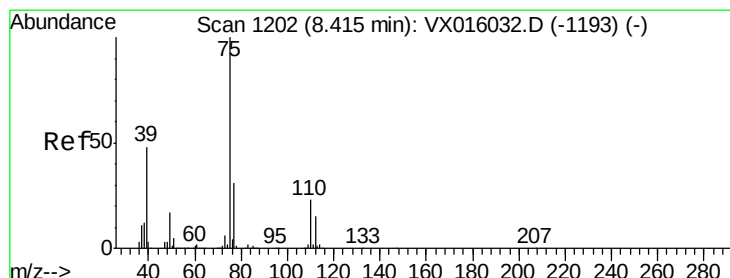
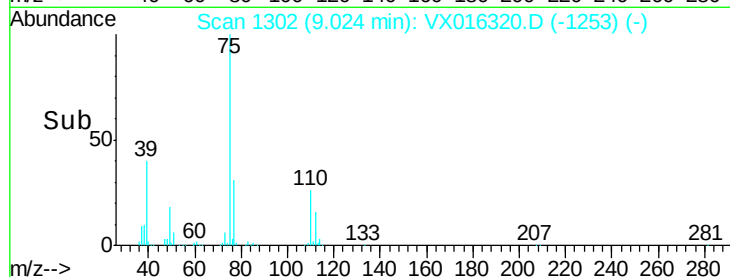
100000

50000

0

Time-->

8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 49.236 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

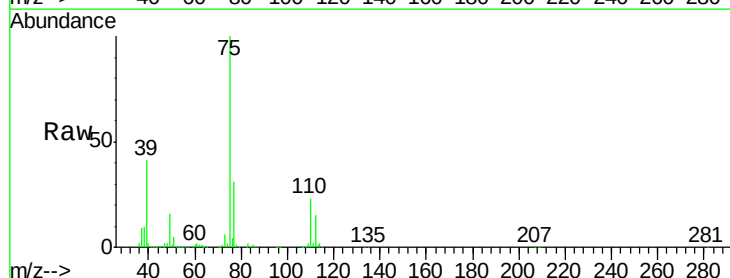
Tgt Ion: 75 Resp: 259079

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 41.1 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

8.41

150000

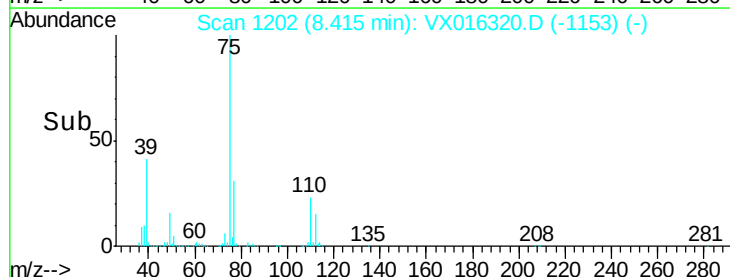
100000

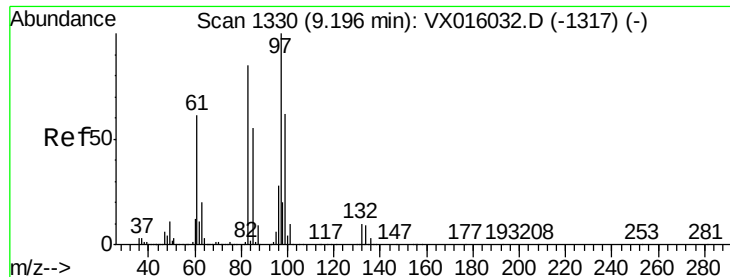
50000

0

Time-->

8.30 8.40 8.50

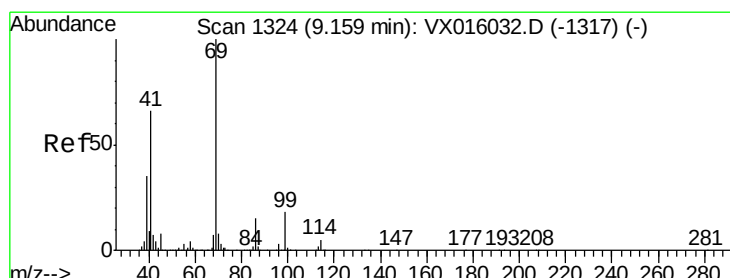
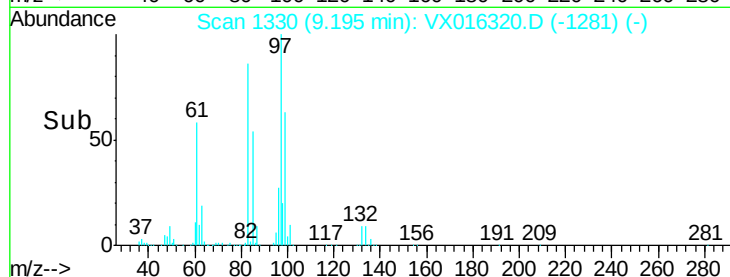
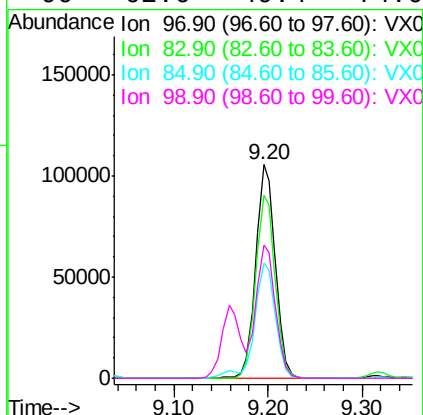
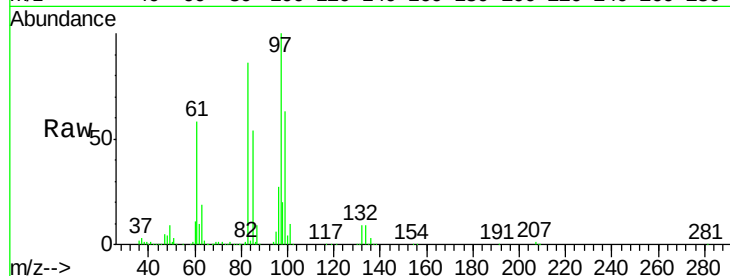




#55
 1,1,2-Trichloroethane
 Concen: 52.774 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

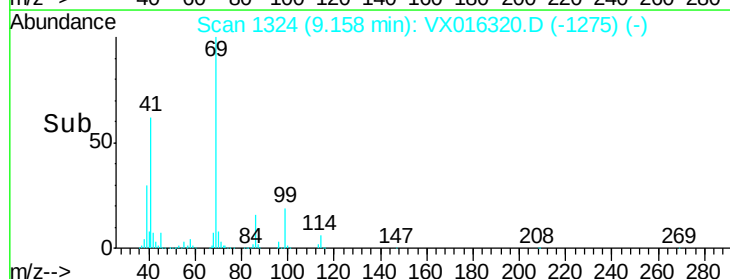
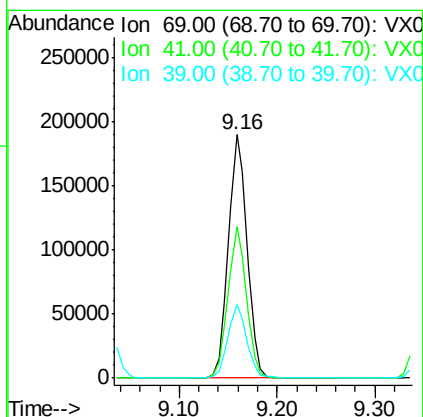
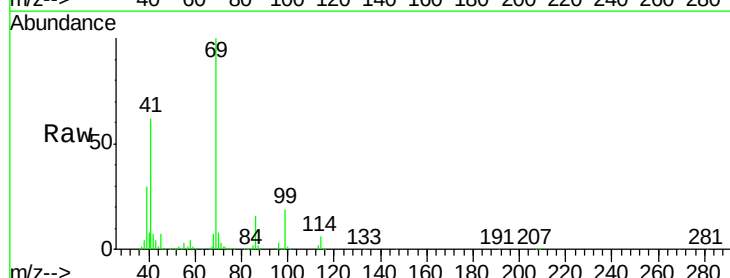
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

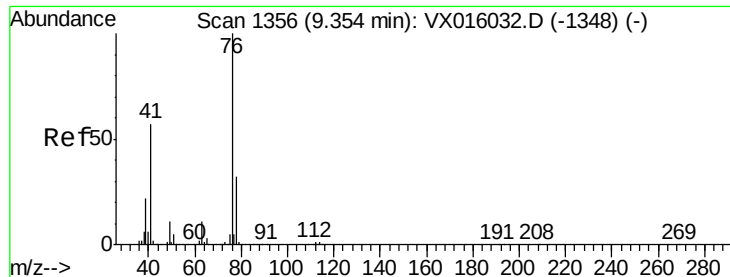
Tot Ion:	97	Resp:	156141
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	53.8	43.8	65.8
99	62.6	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 52.406 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion:	69	Resp:	253094
Ion	Ratio	Lower	Upper
69	100		
41	61.3	52.2	78.4
39	30.1	28.2	42.4





#57

1,3-Dichloropropane

Concen: 51.556 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

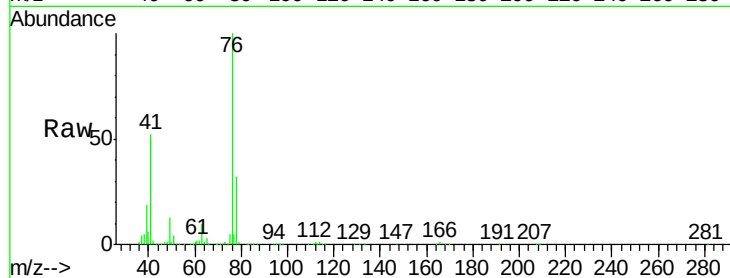
VSTDCCC050EC

Tot Ion: 76 Resp: 266163

Ion Ratio Lower Upper

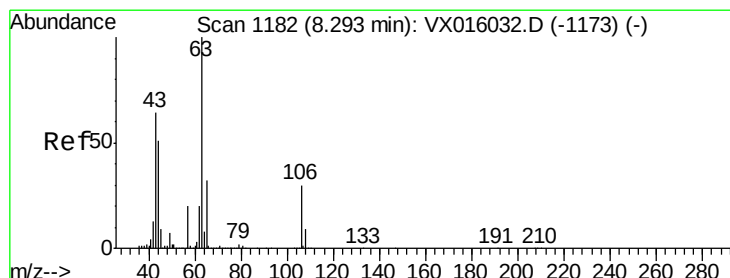
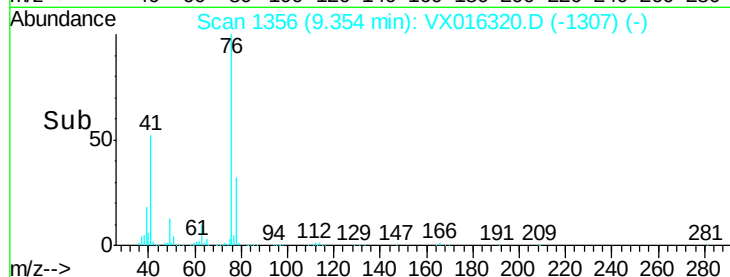
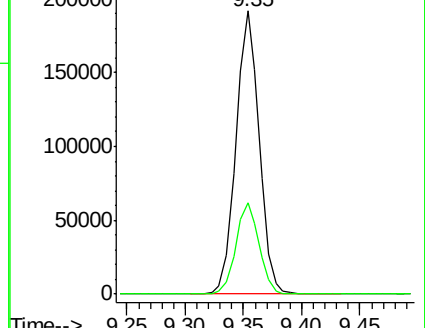
76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 236.789 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016320.D

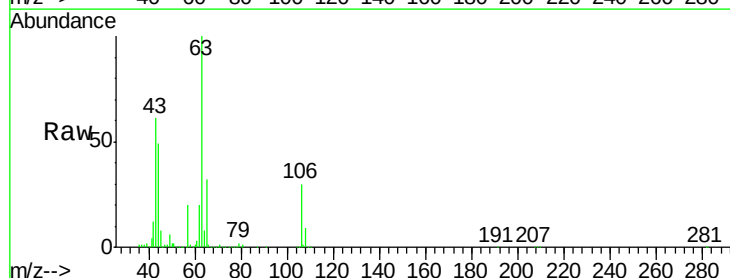
Acq: 18 May 2020 23:44

Tgt Ion: 63 Resp: 608811

Ion Ratio Lower Upper

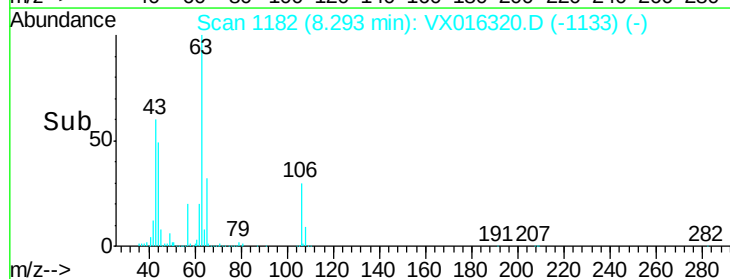
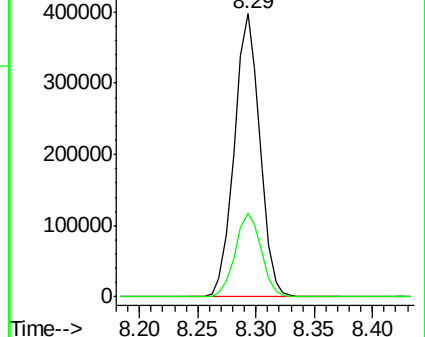
63 100

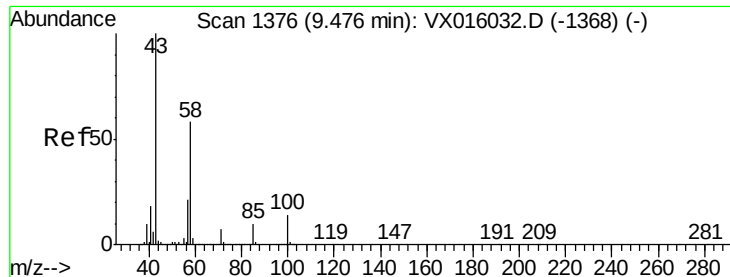
106 30.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

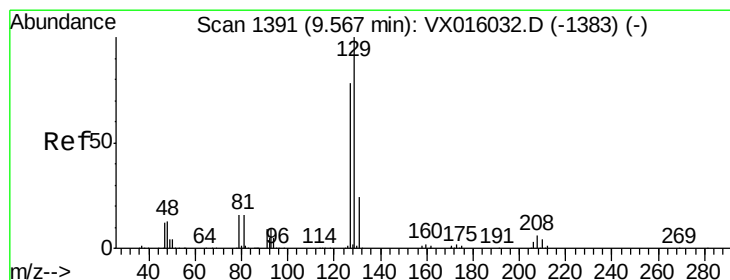
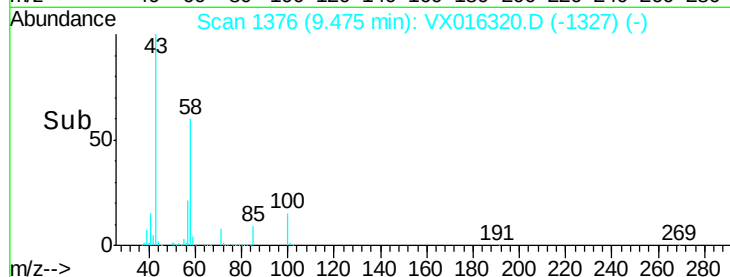
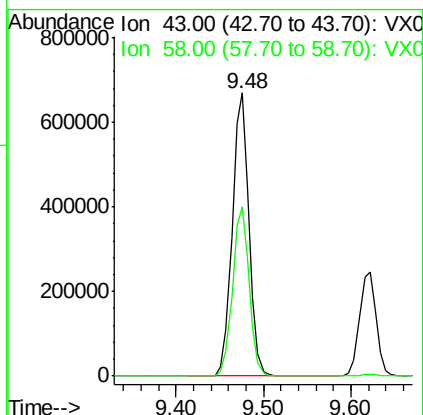
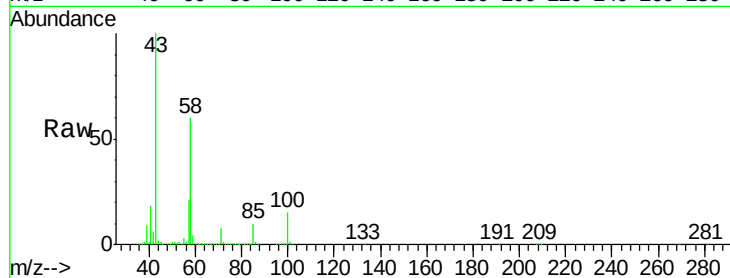




#59
2-Hexanone
Concen: 244.035 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

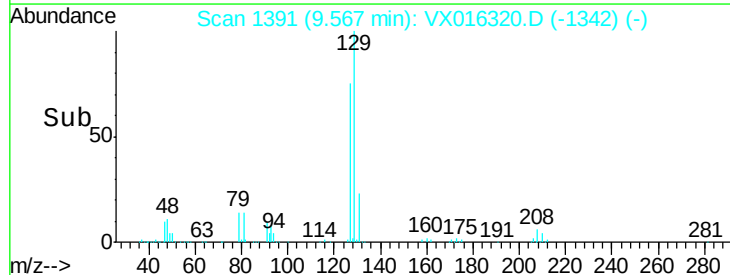
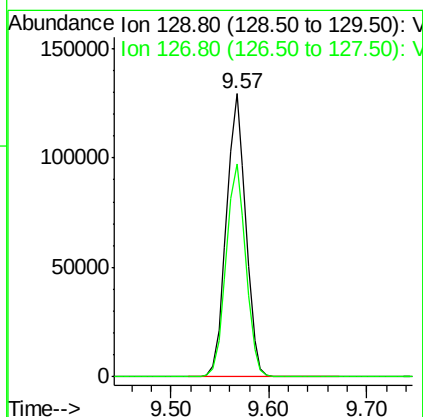
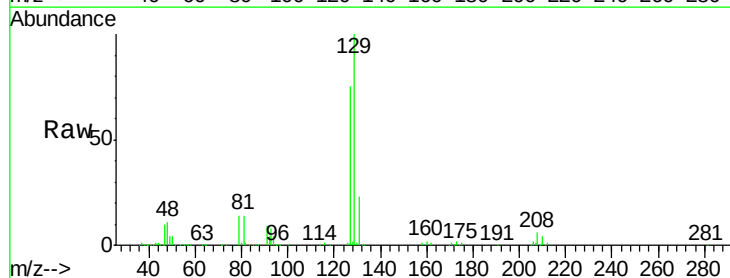
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

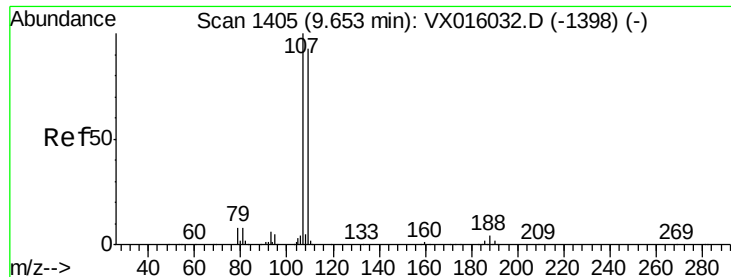
Tot Ion: 43 Resp: 894254
Ion Ratio Lower Upper
43 100
58 60.0 28.6 85.9



#60
Dibromochloromethane
Concen: 54.878 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 129 Resp: 178823
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 51.512 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

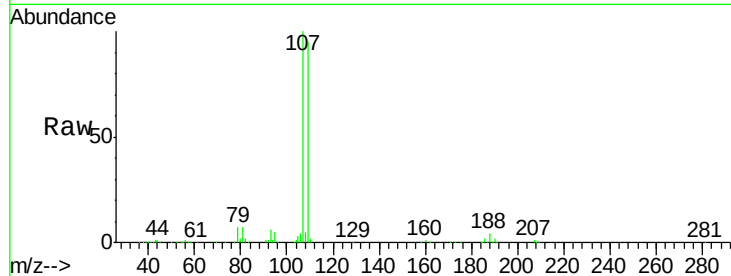
VSTDCCC050EC

Tot Ion: 107 Resp: 165084

Ion Ratio Lower Upper

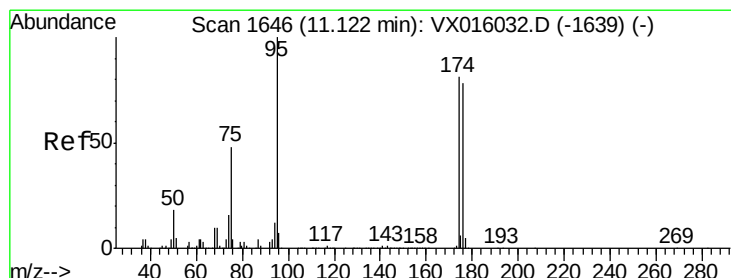
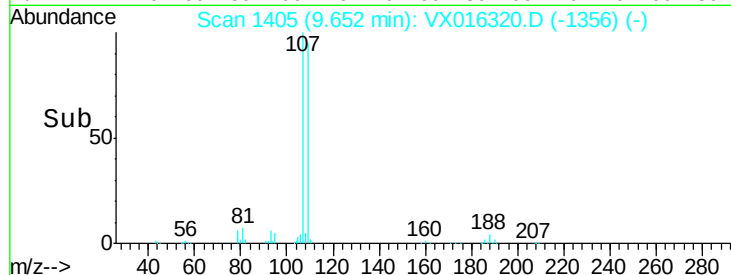
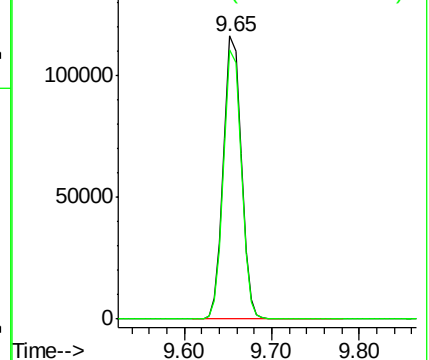
107 100

109 94.8 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: 51.211 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

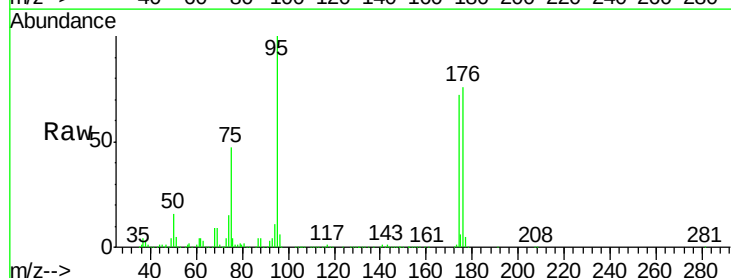
Tgt Ion: 95 Resp: 199172

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.4

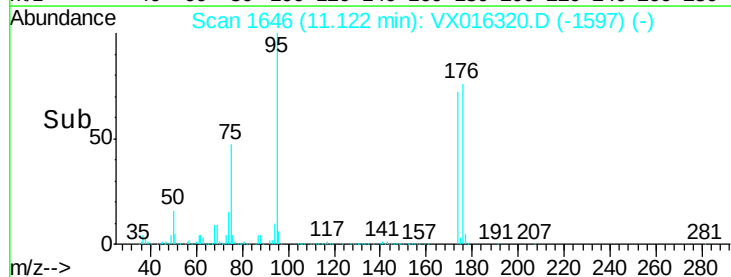
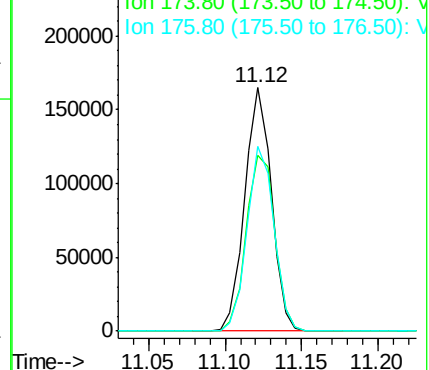
176 77.2 0.0 157.6

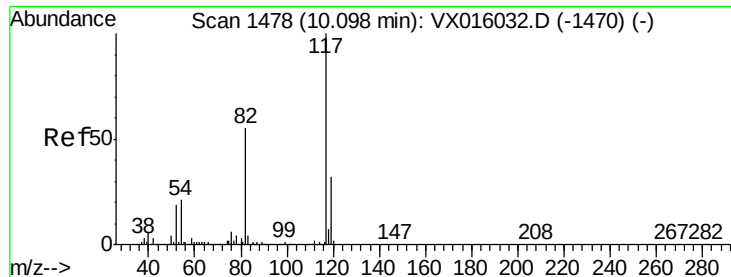


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

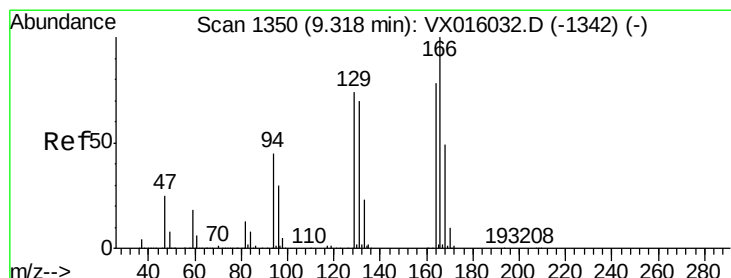
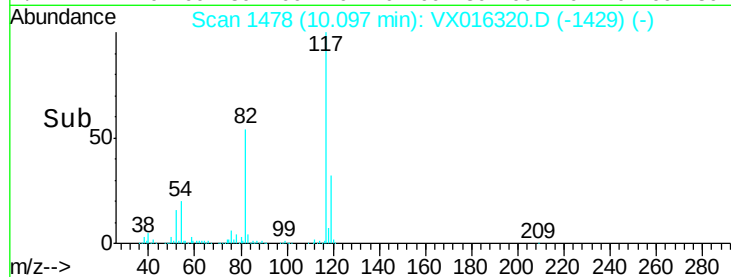
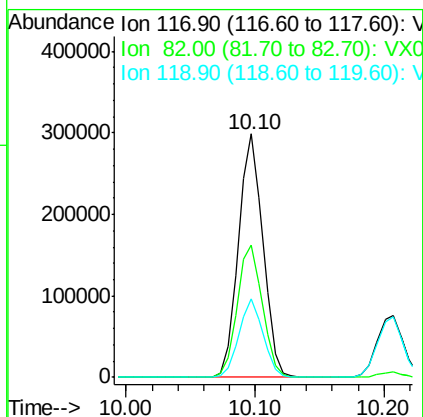
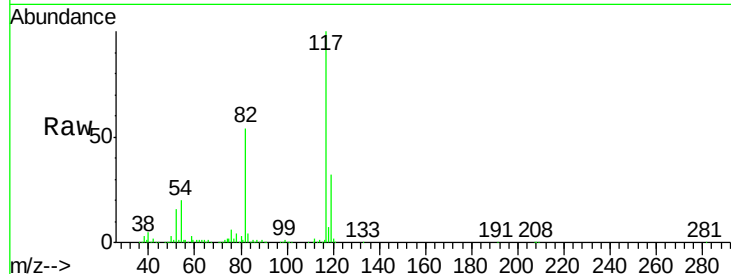




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

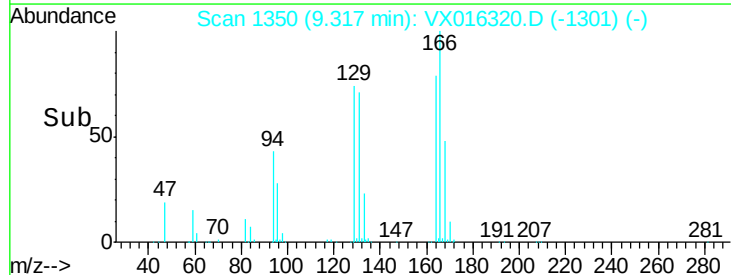
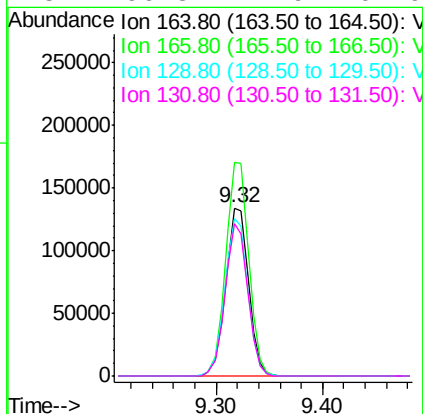
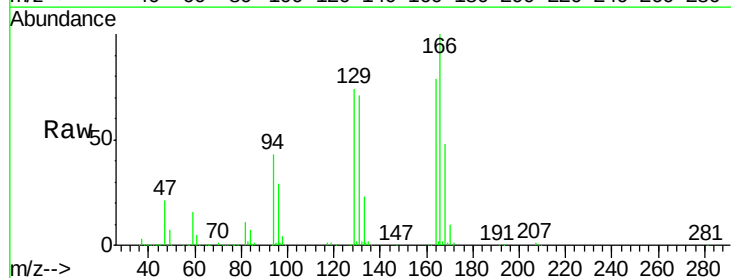
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

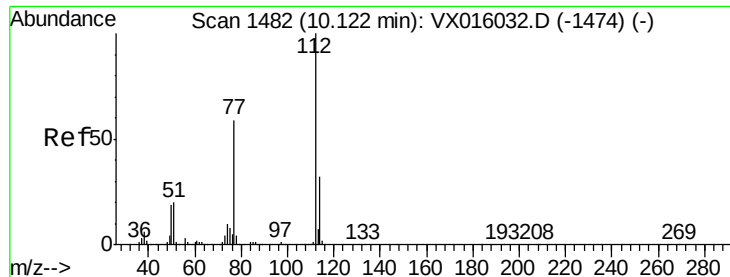
Tot Ion:117 Resp: 393800
Ion Ratio Lower Upper
117 100
82 54.2 44.4 66.6
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 41.746 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion:164 Resp: 201816
Ion Ratio Lower Upper
164 100
166 127.0 102.9 154.3
129 93.5 76.1 114.1
131 90.3 71.9 107.9

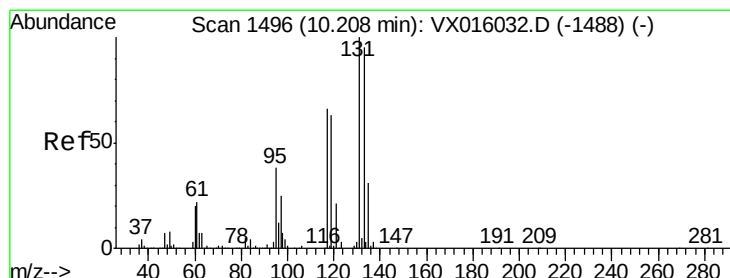
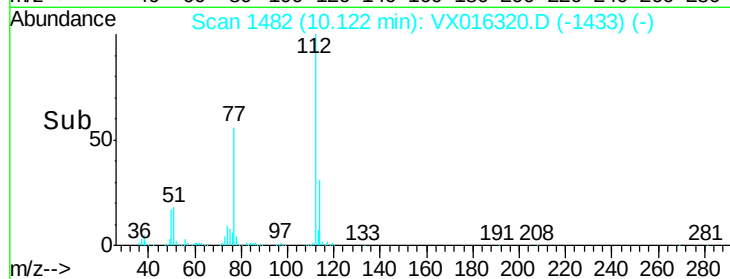
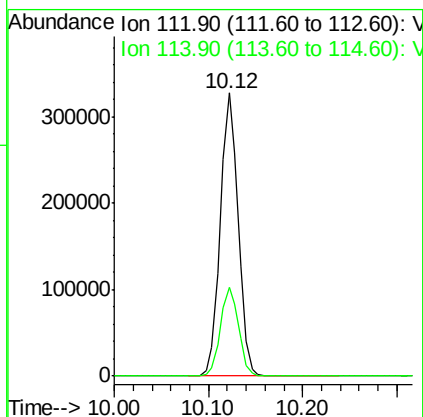
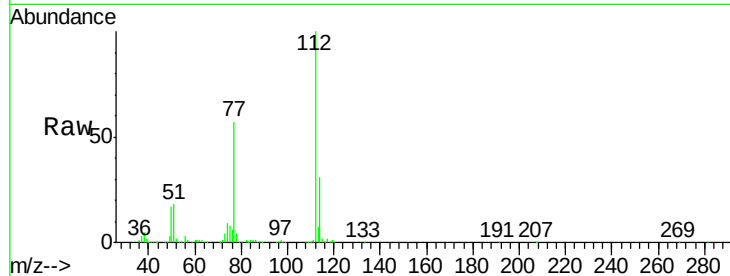




#65
Chlorobenzene
Concen: 52.152 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

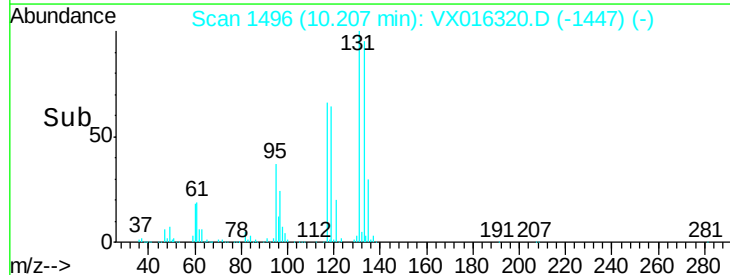
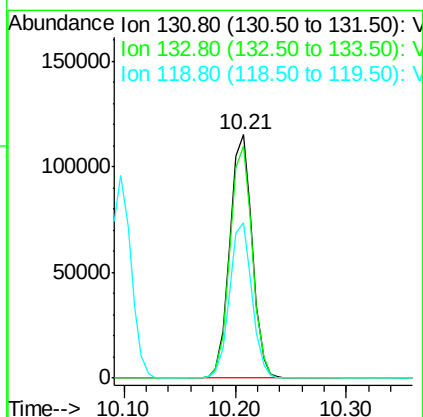
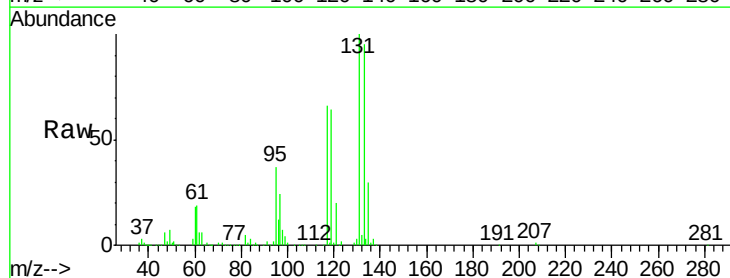
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

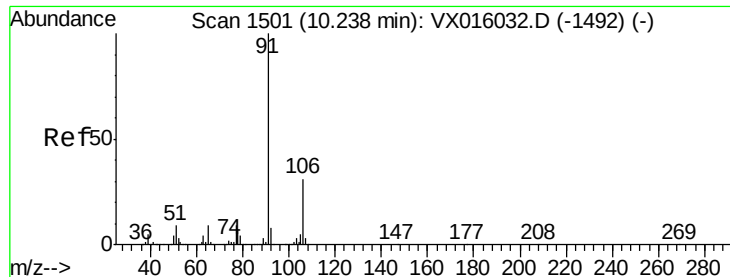
Tot Ion:112 Resp: 430035
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.417 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion:131 Resp: 159753
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 63.9 32.3 96.9





#67

Ethyl Benzene

Concen: 49.039 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

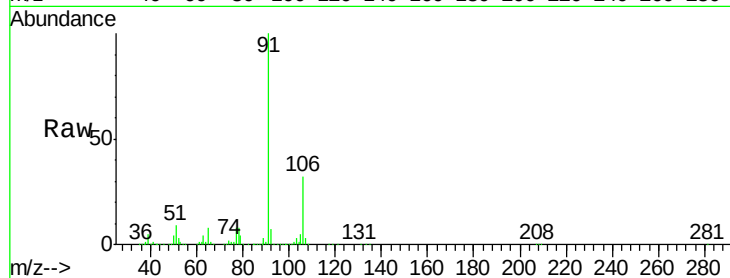
VSTDCCC050EC

Tot Ion: 91 Resp: 721484

Ion Ratio Lower Upper

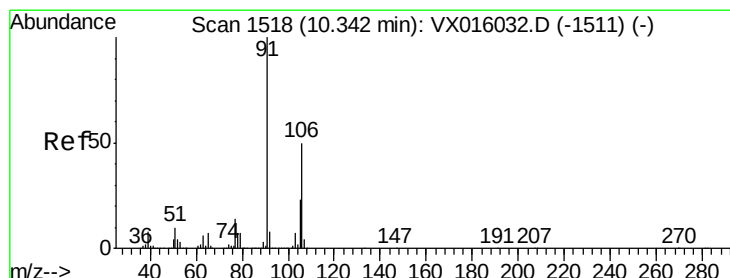
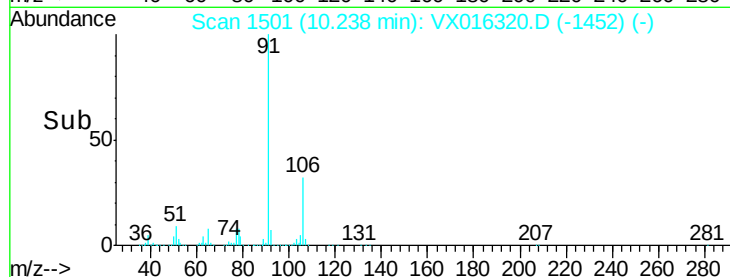
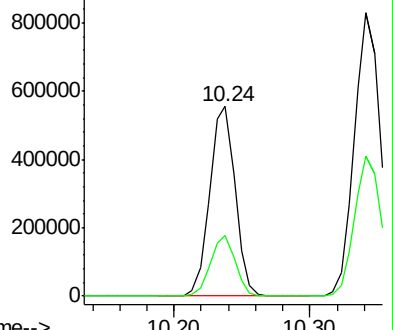
91 100

106 32.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016320.D (-1492) (-)

Ion 106.00 (105.70 to 106.70): VX016320.D (-1492) (-)



#68

m/p-Xylenes

Concen: 100.741 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016320.D

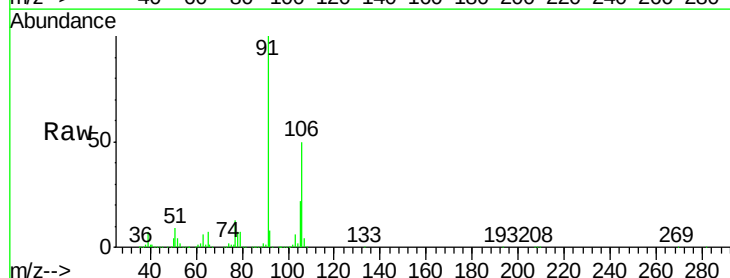
Acq: 18 May 2020 23:44

Tgt Ion: 106 Resp: 555307

Ion Ratio Lower Upper

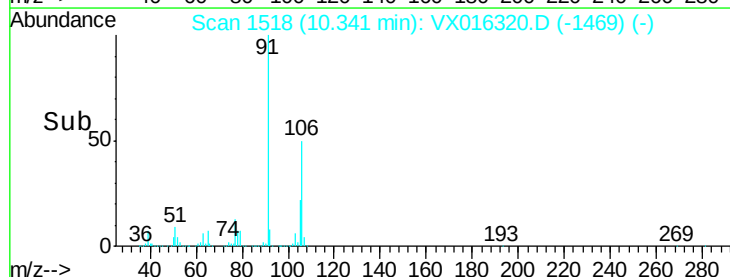
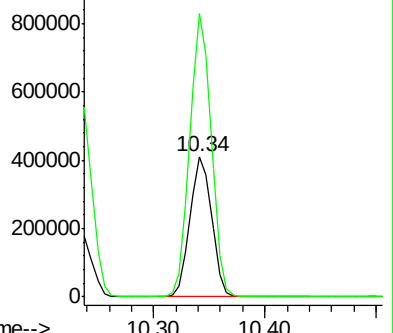
106 100

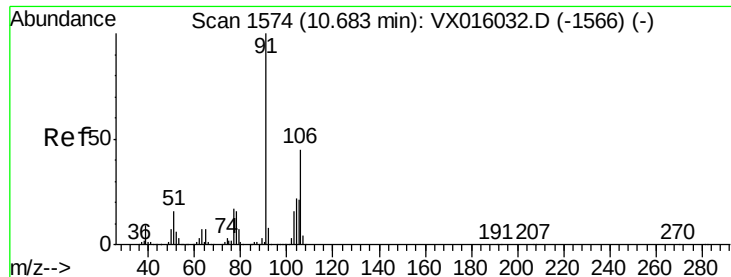
91 199.8 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016320.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016320.D (-1511) (-)

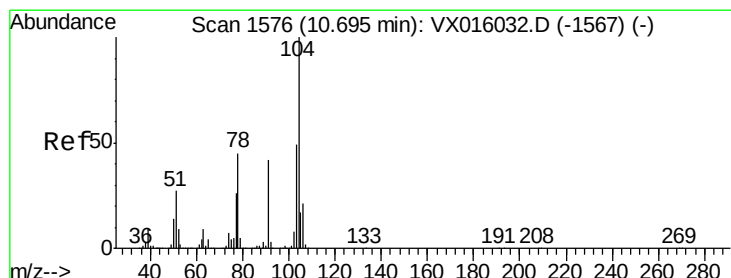
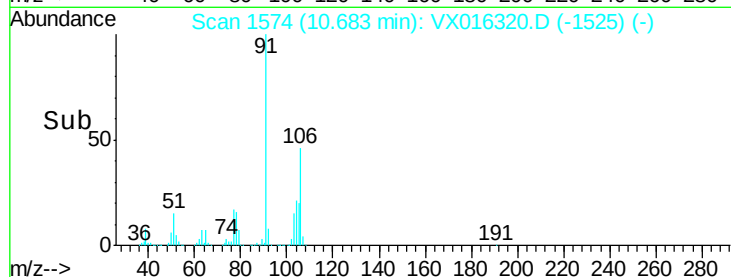
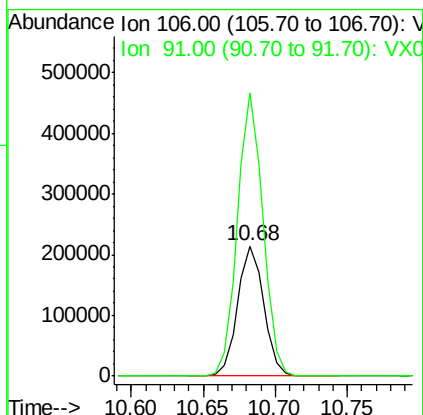
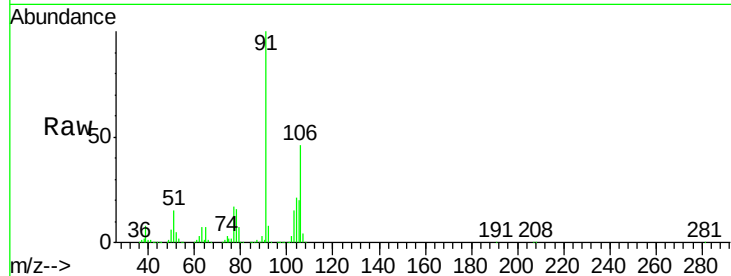




#69
o-Xylene
Concen: 51.062 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

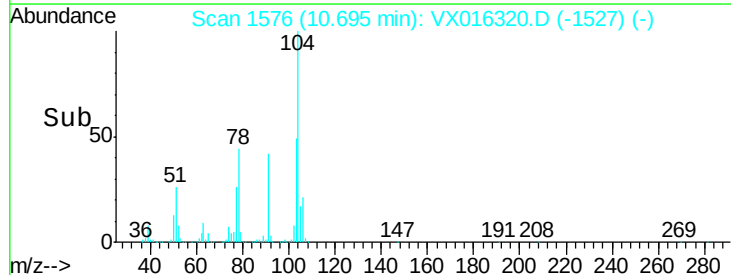
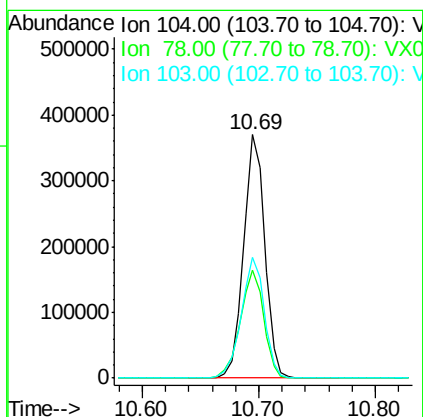
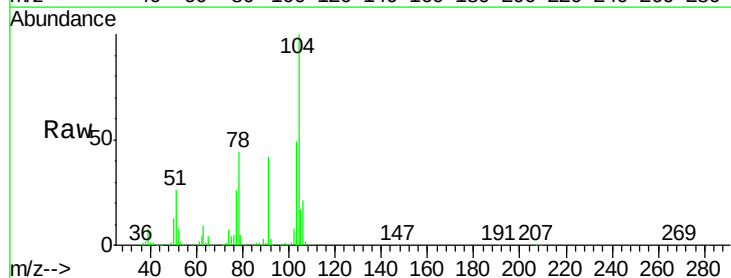
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

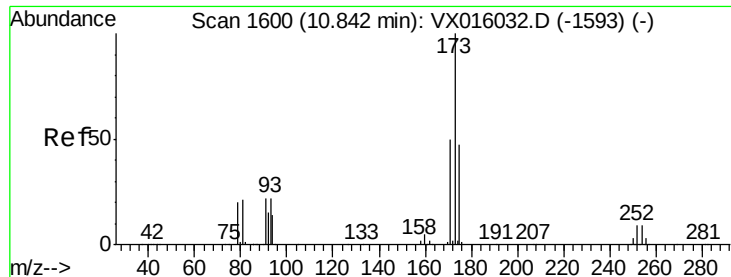
Tot Ion:106 Resp: 270555
Ion Ratio Lower Upper
106 100
91 212.9 107.5 322.6



#70
Styrene
Concen: 52.492 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion:104 Resp: 471850
Ion Ratio Lower Upper
104 100
78 49.1 40.2 60.2
103 53.7 43.0 64.6





#71

Bromoform

Concen: 54.779 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

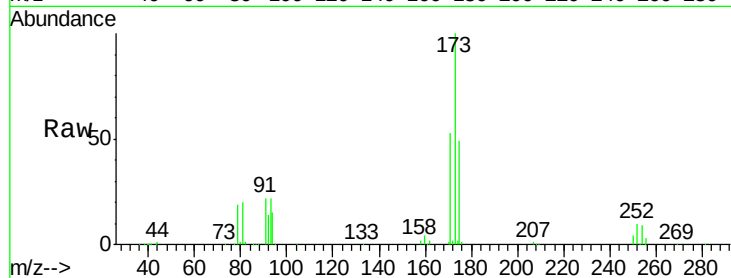
Tot Ion:173 Resp: 136018

Ion Ratio Lower Upper

173 100

175 48.3 24.0 72.0

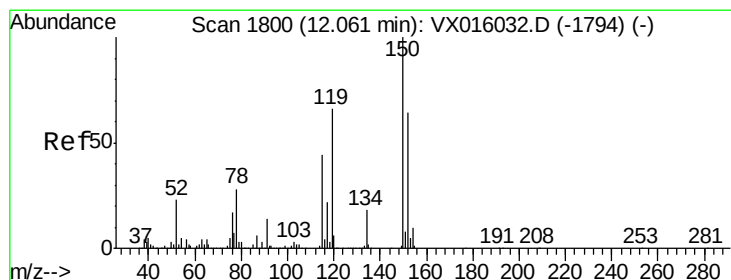
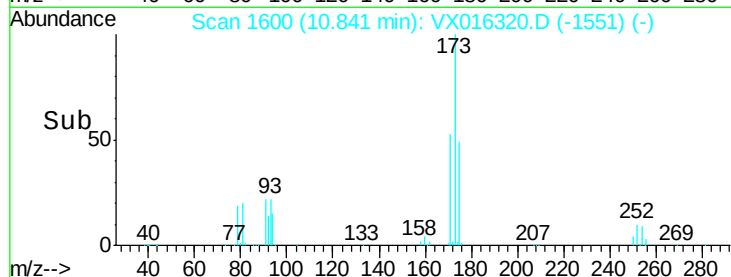
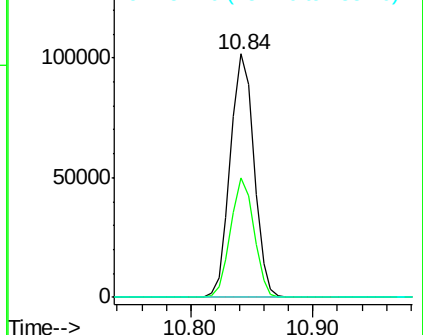
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

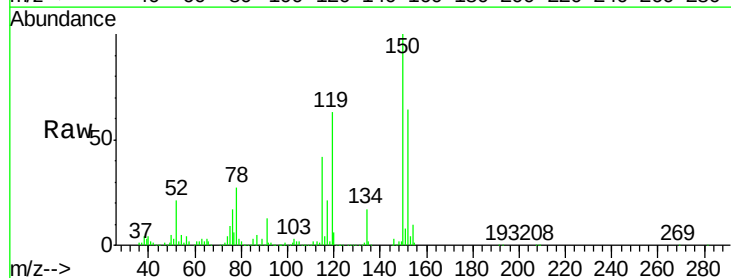
Tgt Ion:152 Resp: 194934

Ion Ratio Lower Upper

152 100

115 78.7 41.3 124.1

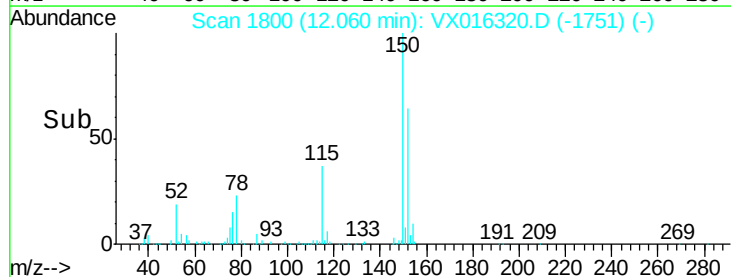
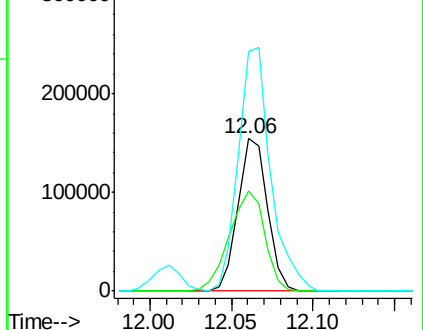
150 175.4 0.0 352.2

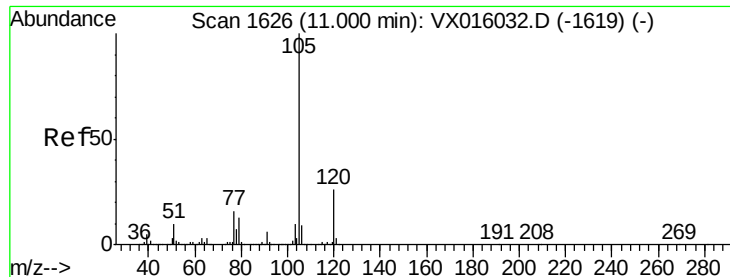


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.863 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

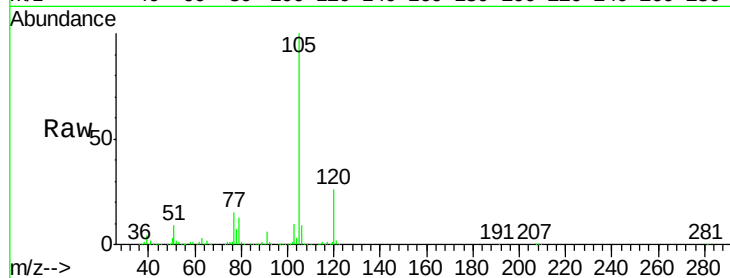
VSTDCCC050EC

Tot Ion:105 Resp: 692802

Ion Ratio Lower Upper

105 100

120 26.6 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

500000

400000

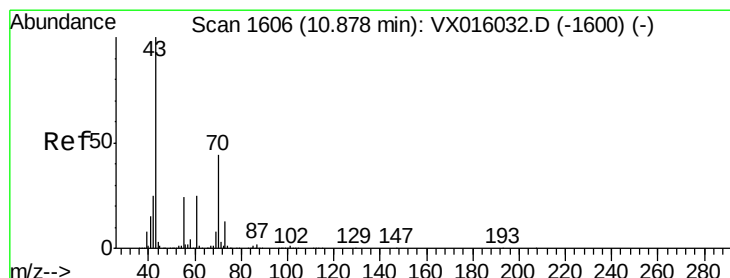
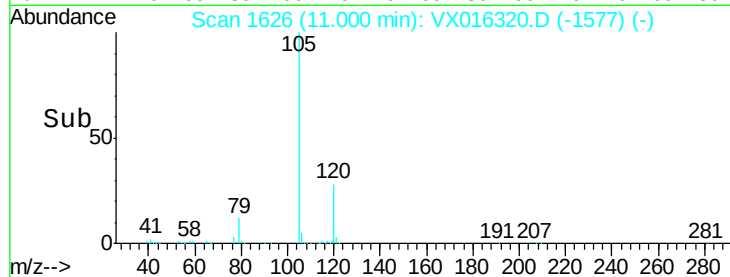
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 48.429 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion: 43 Resp: 320283

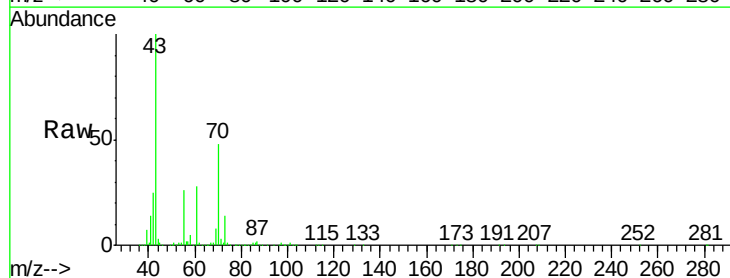
Ion Ratio Lower Upper

43 100

70 47.6 36.5 54.7

55 25.7 19.7 29.5

61 27.0 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

400000

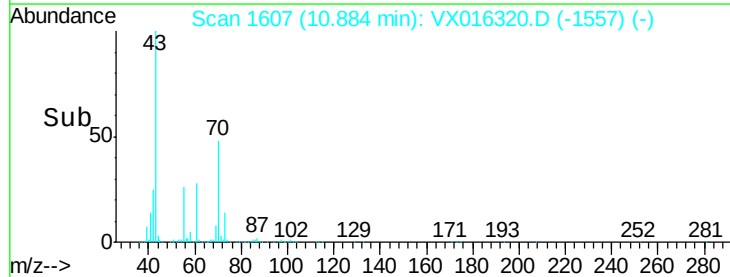
300000

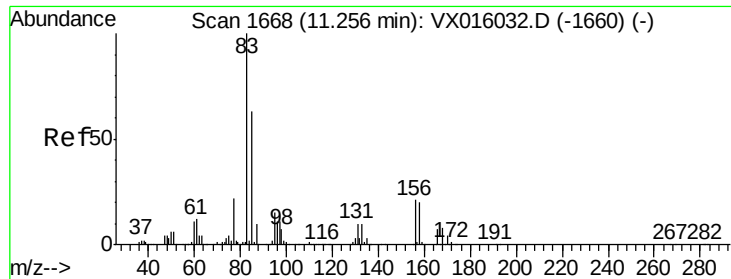
200000

100000

0

Time--> 10.80 10.90





#75

1,1,2,2-Tetrachloroethane

Concen: 67.873 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

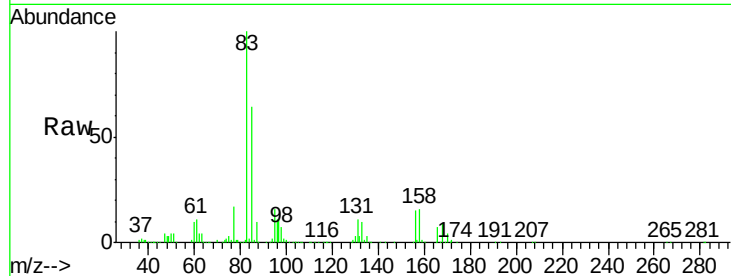
Tot Ion: 83 Resp: 197466

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

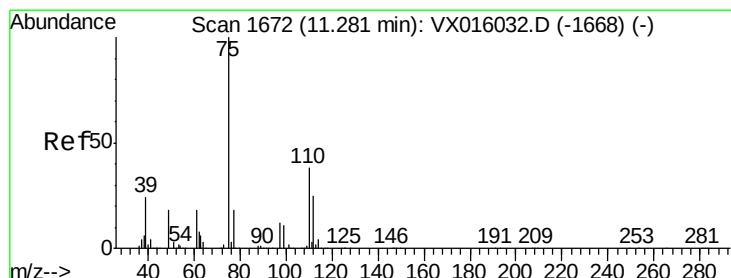
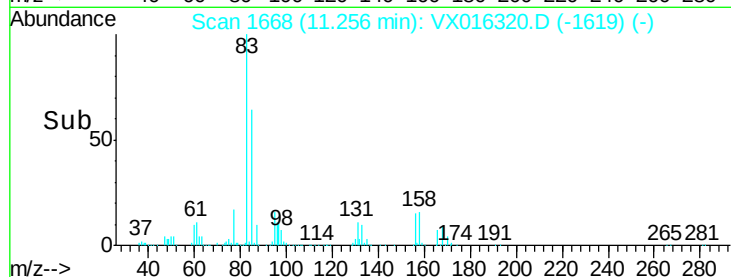
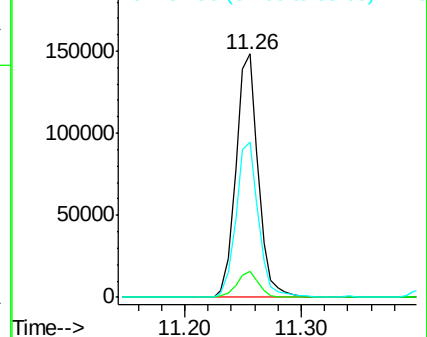
85 64.3 32.0 96.0



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: 66.497 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016320.D

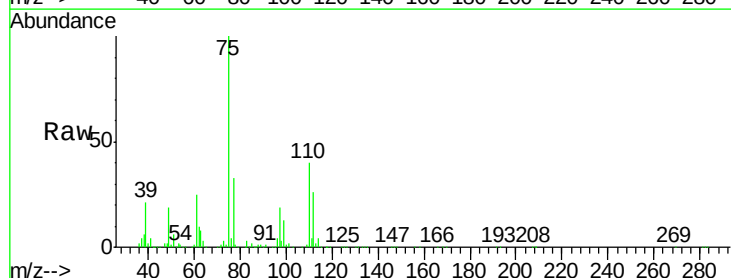
Acq: 18 May 2020 23:44

Tgt Ion: 75 Resp: 294148

Ion Ratio Lower Upper

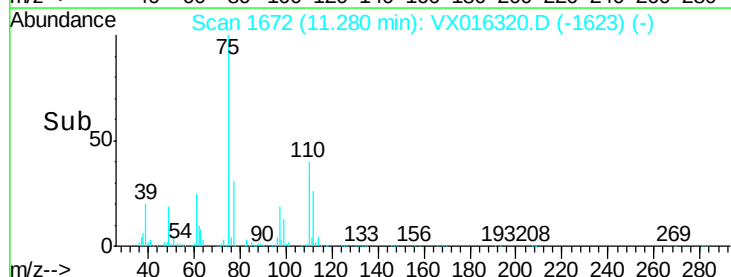
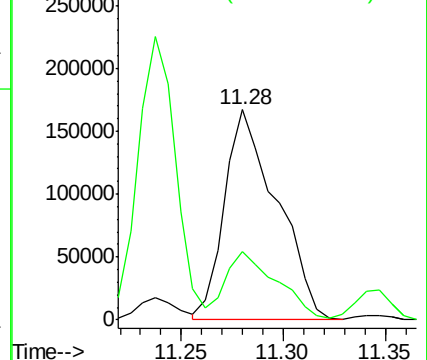
75 100

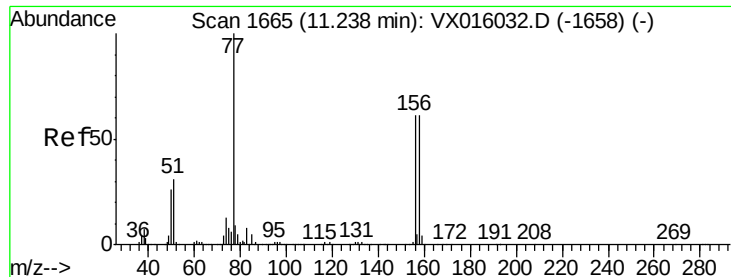
77 32.3 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.962 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

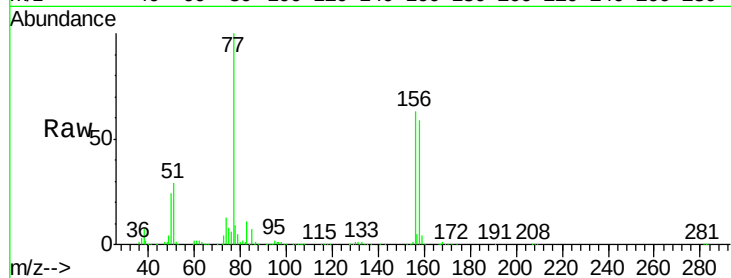
Tot Ion:156 Resp: 182846

Ion Ratio Lower Upper

156 100

77 158.6 80.1 240.3

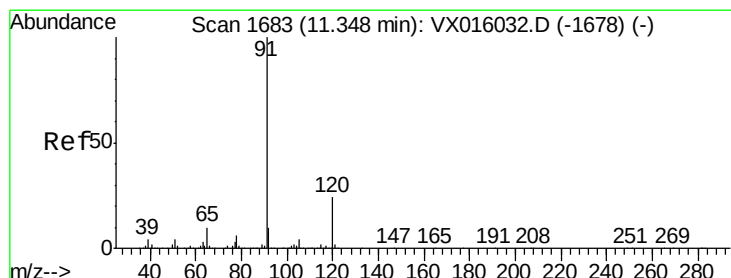
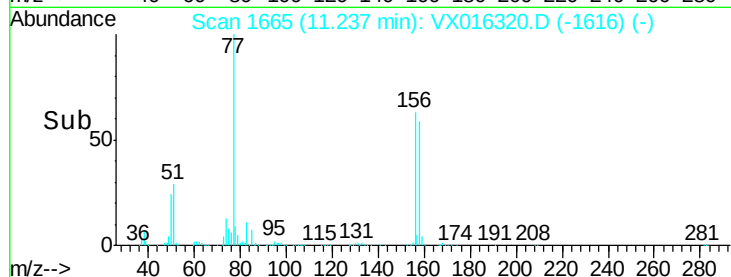
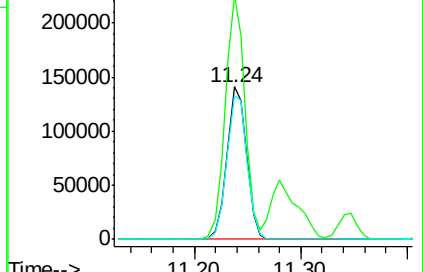
158 97.2 49.4 148.2



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: 46.527 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016320.D

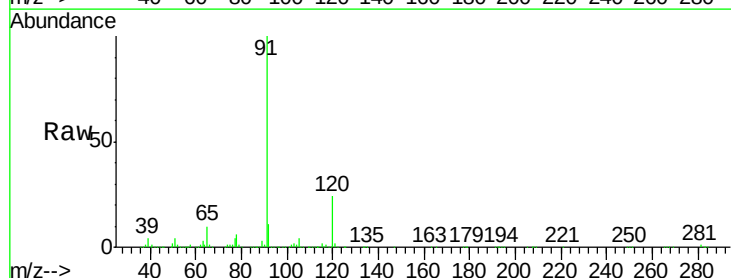
Acq: 18 May 2020 23:44

Tgt Ion: 91 Resp: 767426

Ion Ratio Lower Upper

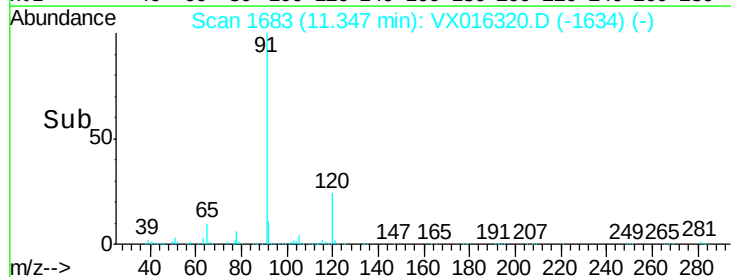
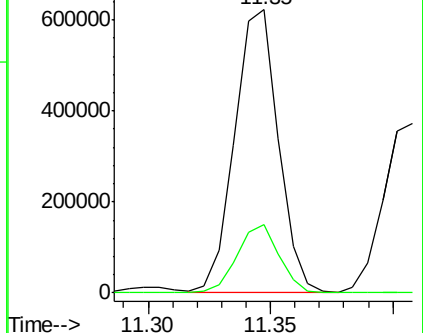
91 100

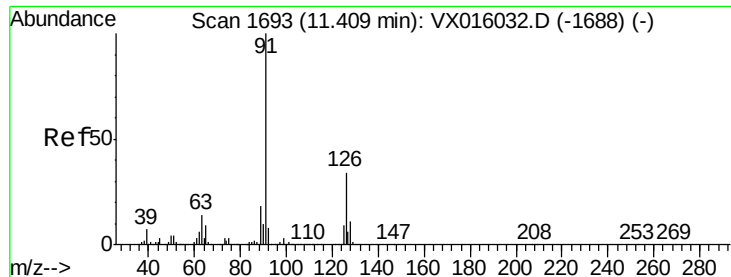
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.291 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

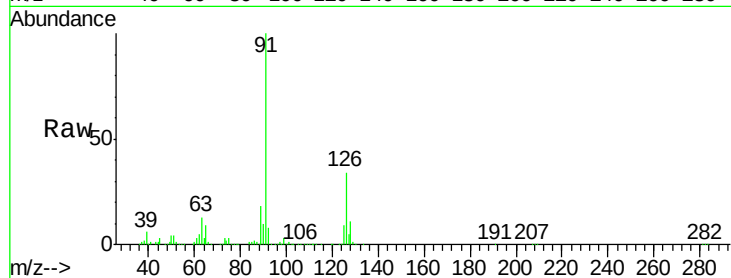
VSTDCCC050EC

Tot Ion: 91 Resp: 479901

Ion Ratio Lower Upper

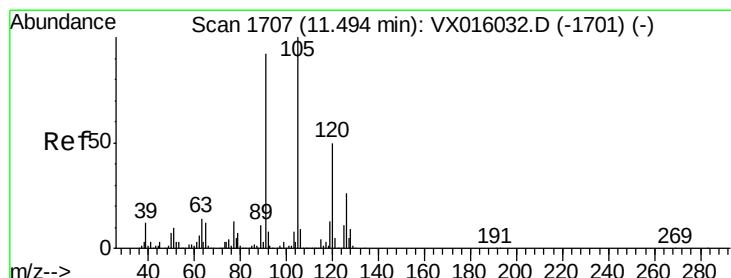
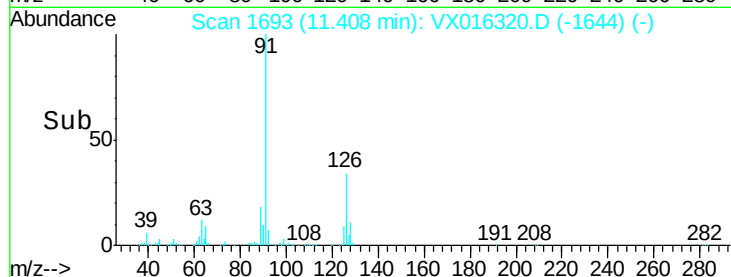
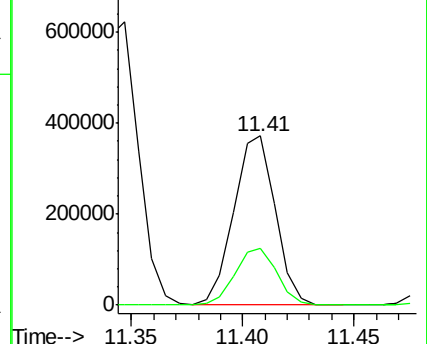
91 100

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: 47.641 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016320.D

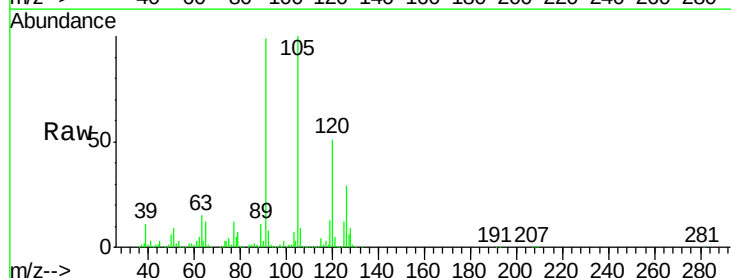
Acq: 18 May 2020 23:44

Tgt Ion:105 Resp: 570314

Ion Ratio Lower Upper

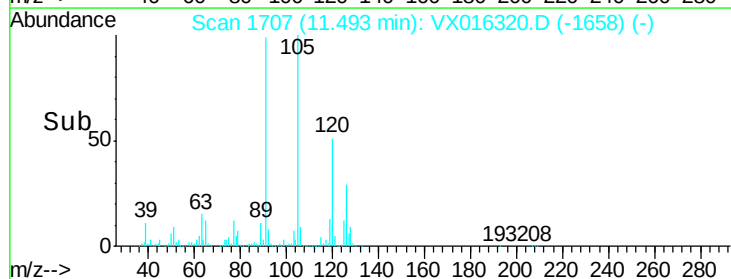
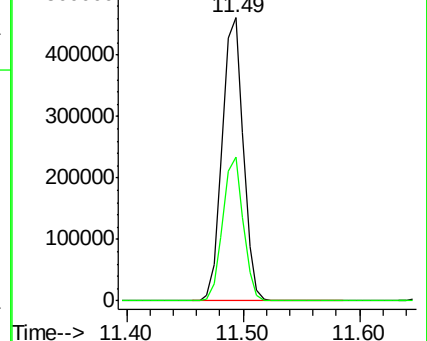
105 100

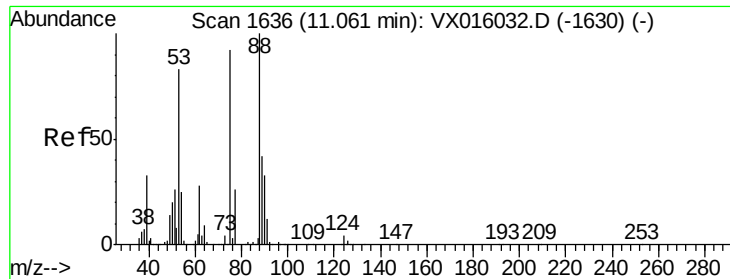
120 49.7 24.6 74.0



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: 47.294 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

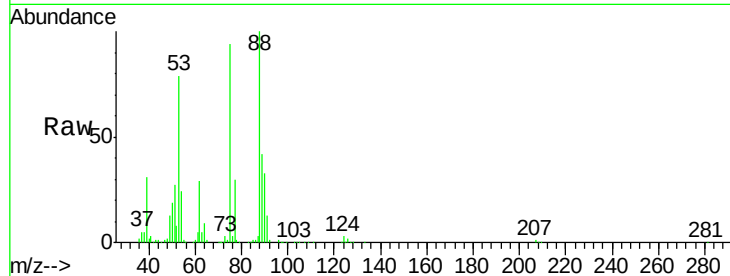
Tot Ion: 75 Resp: 87787

Ion Ratio Lower Upper

75 100

53 85.3 73.1 109.7

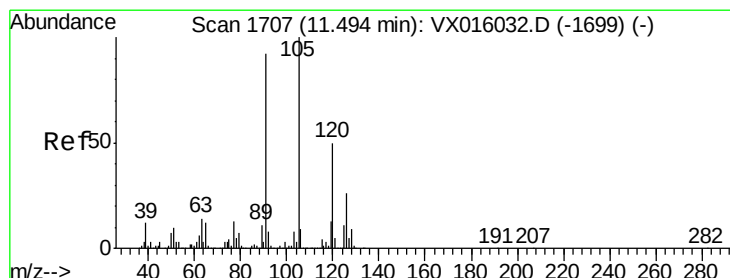
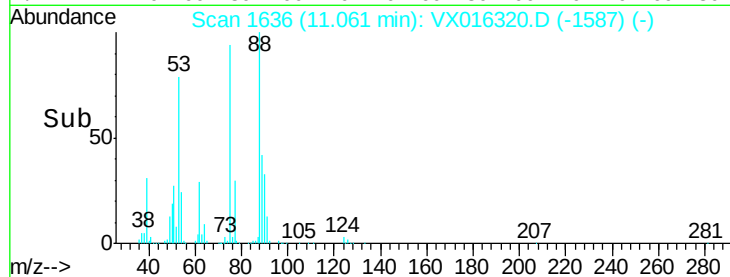
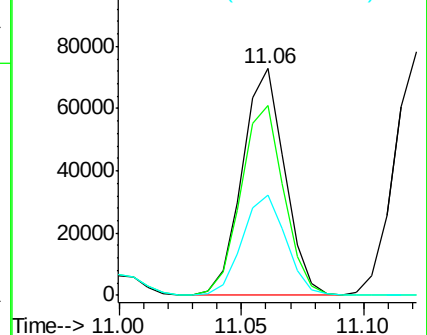
89 45.7 36.7 55.1



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: 48.962 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016320.D

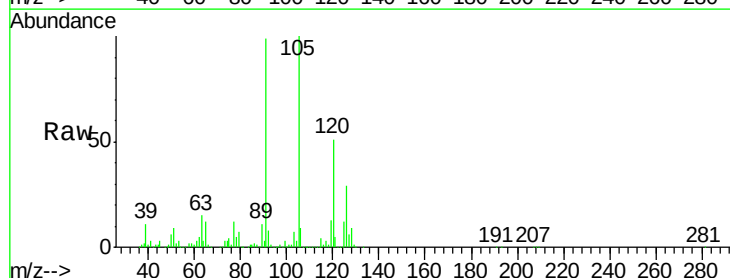
Acq: 18 May 2020 23:44

Tgt Ion: 91 Resp: 562927

Ion Ratio Lower Upper

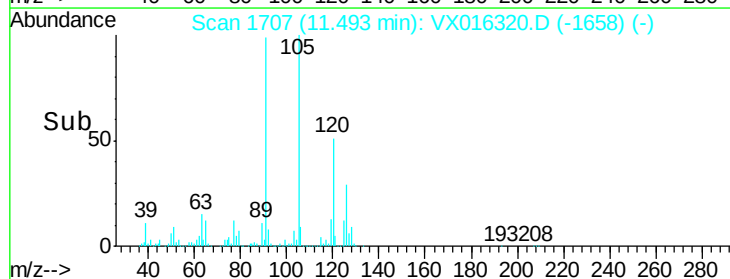
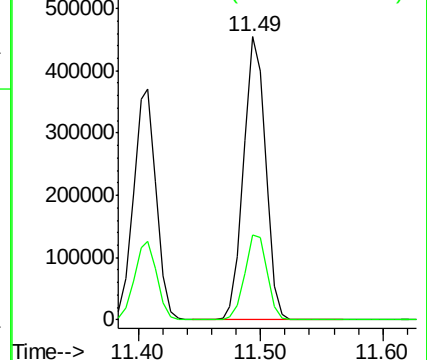
91 100

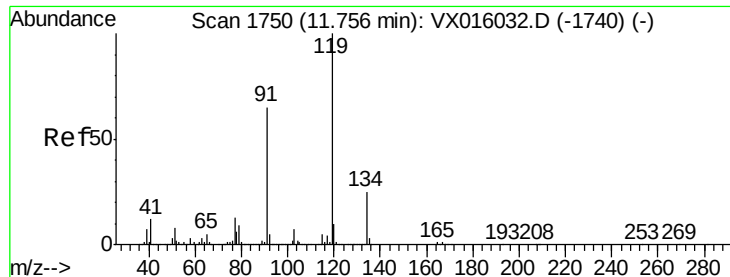
126 30.2 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.724 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

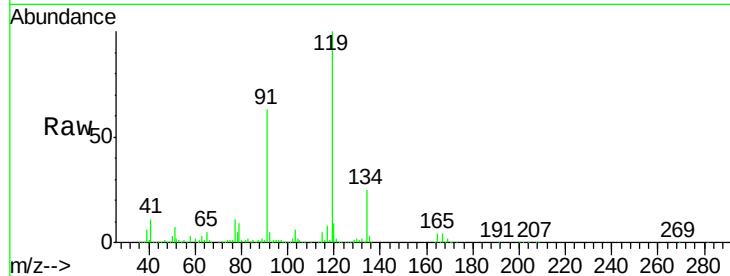
Tot Ion:119 Resp: 492355

Ion Ratio Lower Upper

119 100

91 61.2 32.8 98.4

134 24.1 12.4 37.0

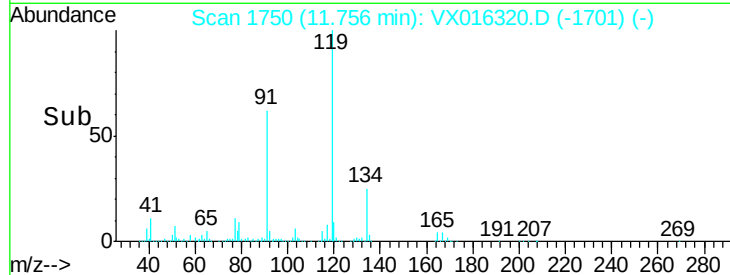


Abundance Ion 119.00 (118.70 to 119.70): V

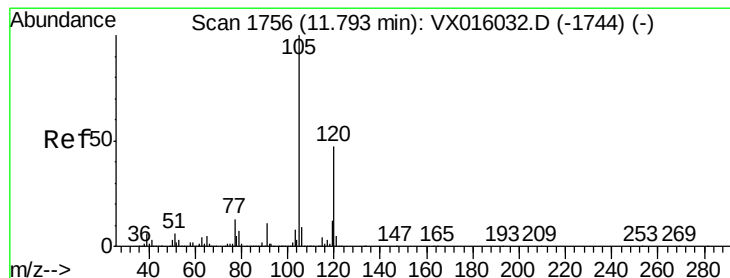
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 48.405 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016320.D

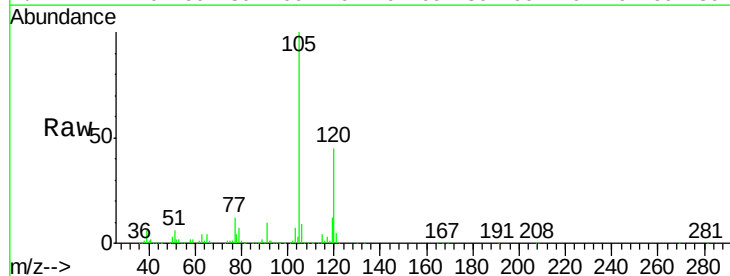
Acq: 18 May 2020 23:44

Tgt Ion:105 Resp: 585838

Ion Ratio Lower Upper

105 100

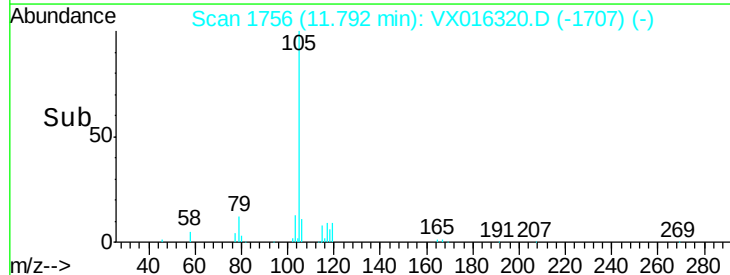
120 45.3 23.0 69.0



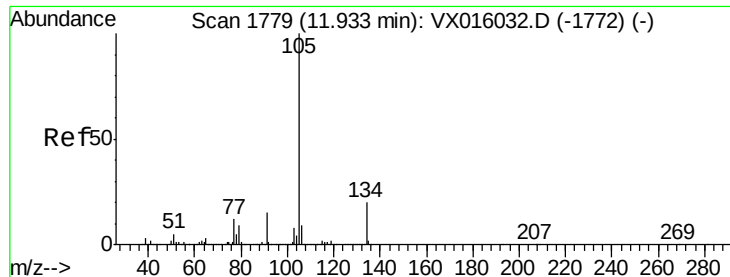
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



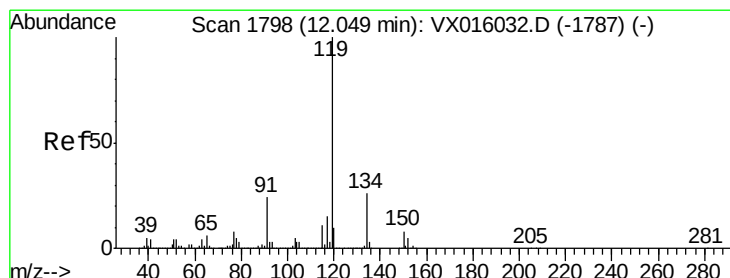
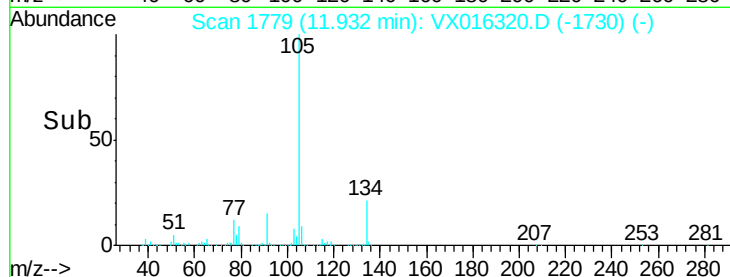
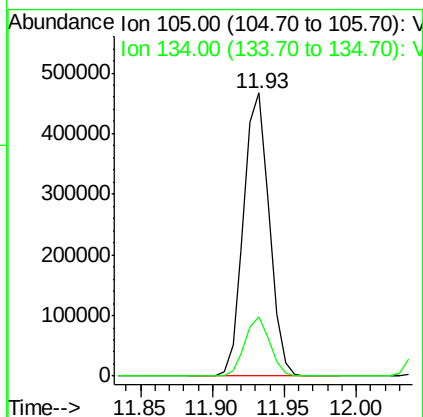
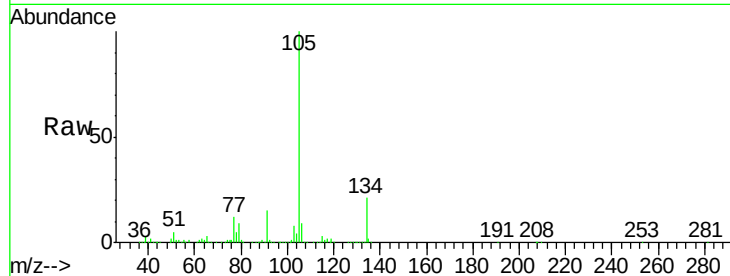
Time-->



#85
 sec-Butylbenzene
 Concen: 41.359 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

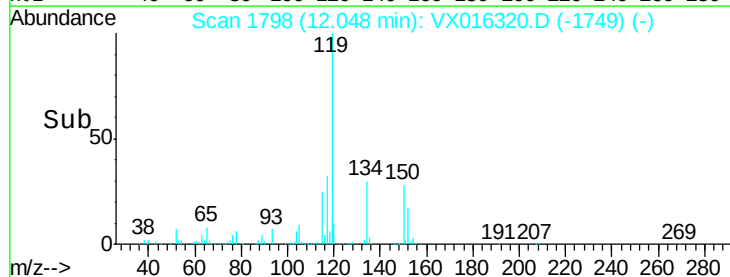
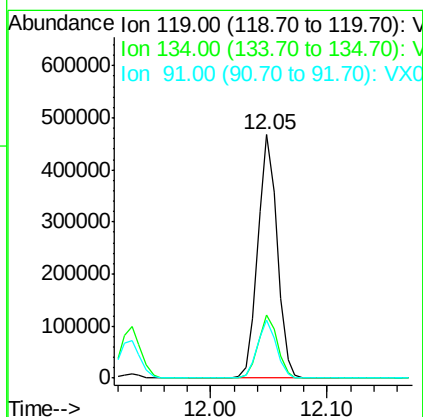
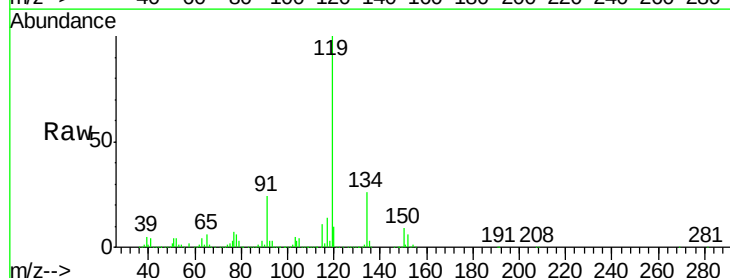
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

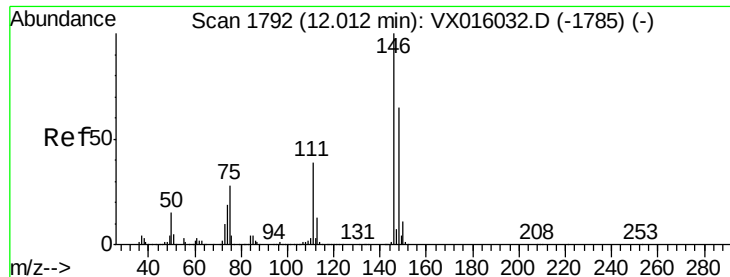
Tot Ion:105 Resp: 576108
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 41.873 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion:119 Resp: 541538
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 23.5 11.8 35.4

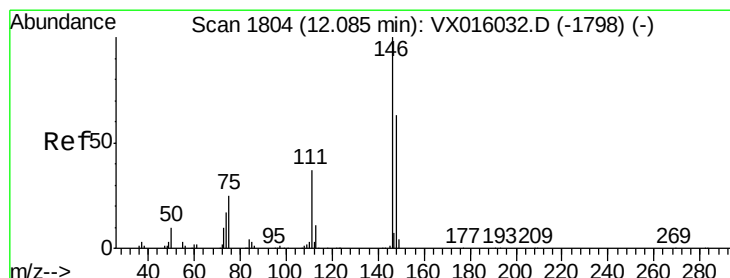
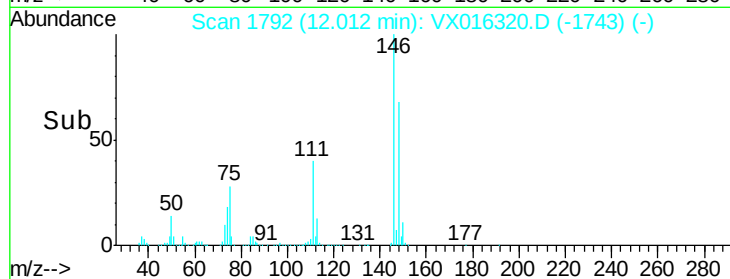
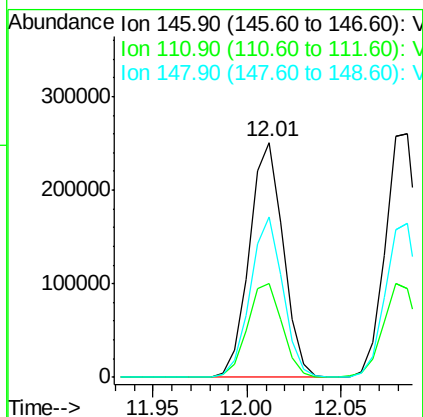
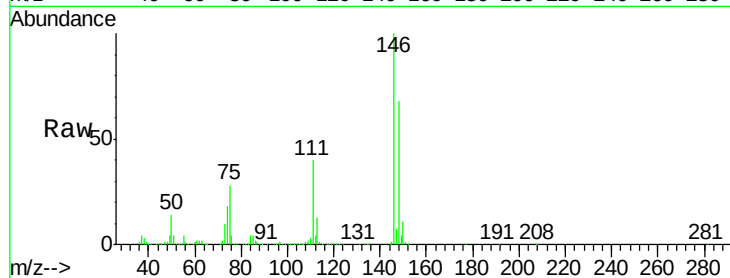




#87
 1,3-Dichlorobenzene
 Concen: 47.455 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

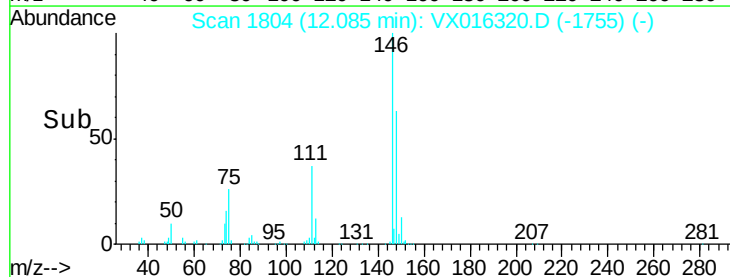
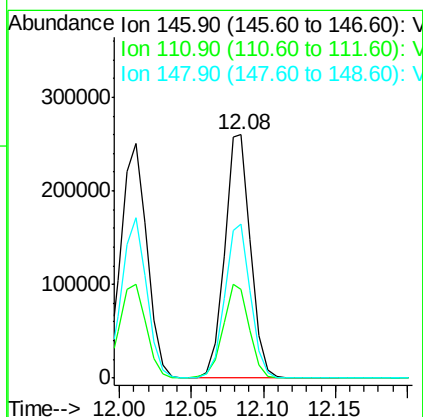
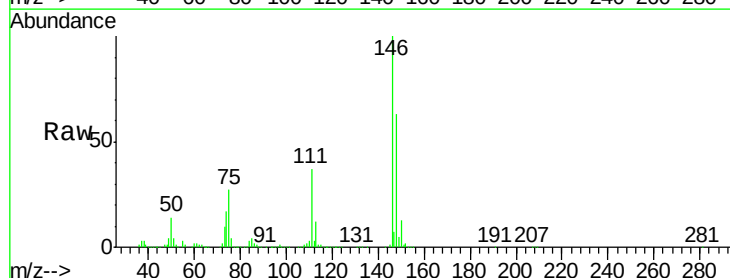
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

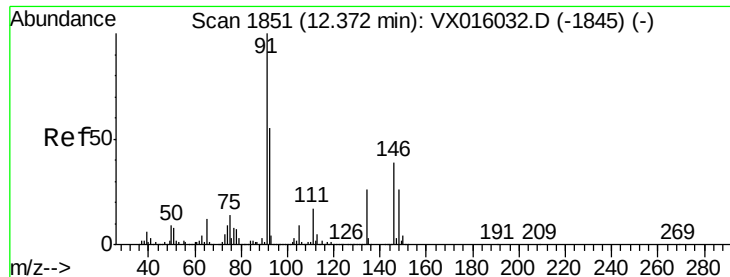
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	65.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.172 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.1	31.8	95.3





#89

n-Butylbenzene

Concen: 37.245 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

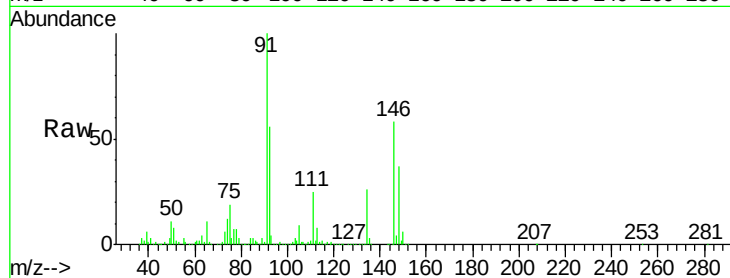
Tot Ion: 91 Resp: 440042

Ion Ratio Lower Upper

91 100

92 55.3 27.6 82.7

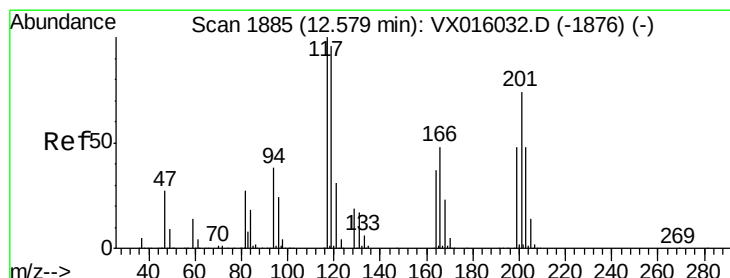
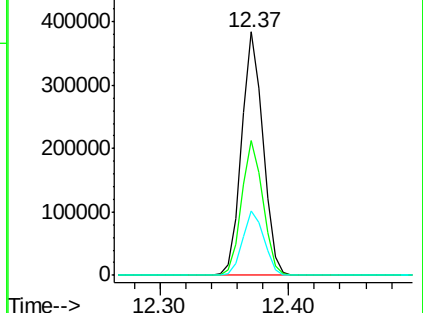
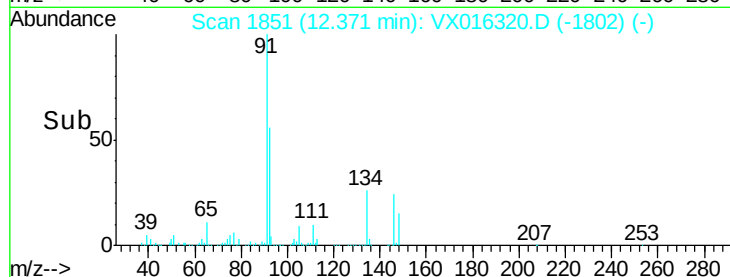
134 26.6 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX016320.D (-1845) (-)

Ion 92.00 (91.70 to 92.70): VX016320.D (-1845) (-)

Ion 134.00 (133.70 to 134.70): VX016320.D (-1845) (-)



#90

Hexachloroethane

Concen: 43.577 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016320.D

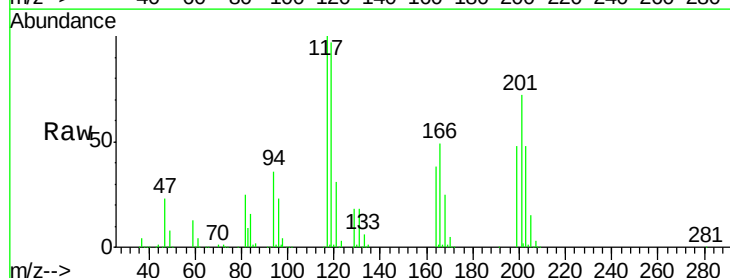
Acq: 18 May 2020 23:44

Tgt Ion: 117 Resp: 96789

Ion Ratio Lower Upper

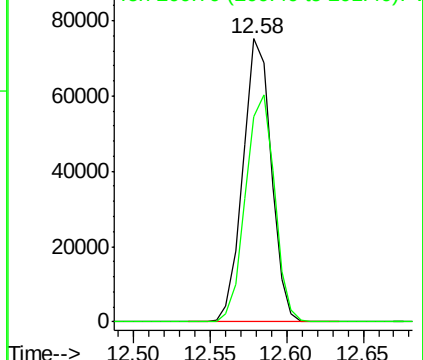
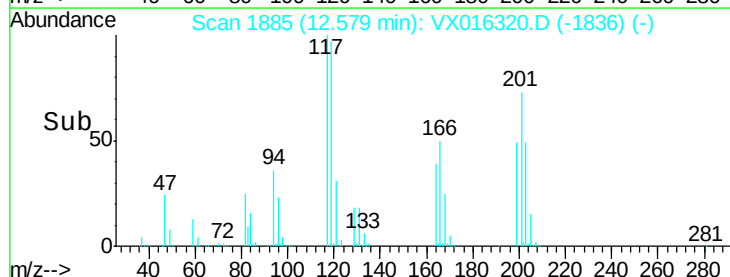
117 100

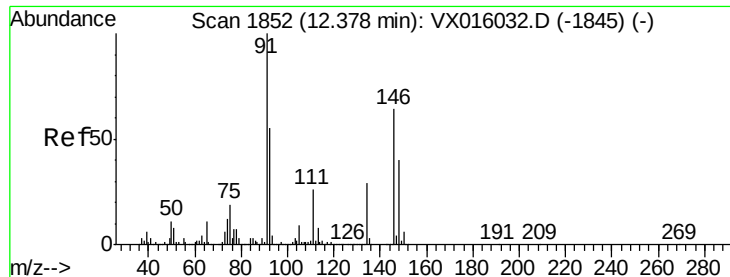
201 82.0 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): VX016320.D (-1876) (-)

Ion 200.70 (200.40 to 201.40): VX016320.D (-1876) (-)

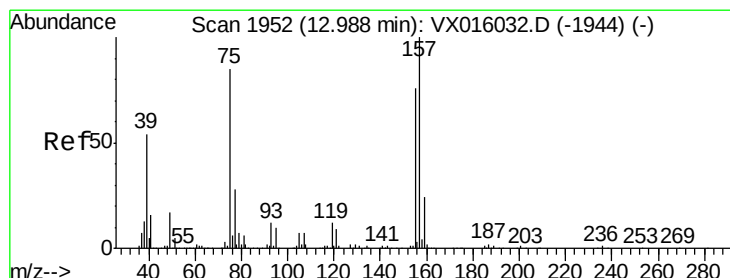
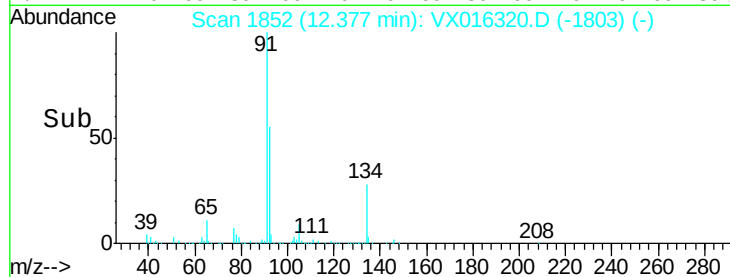
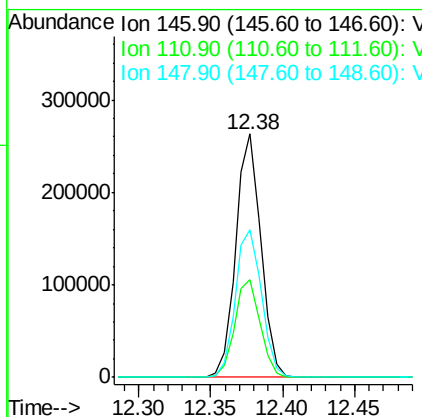
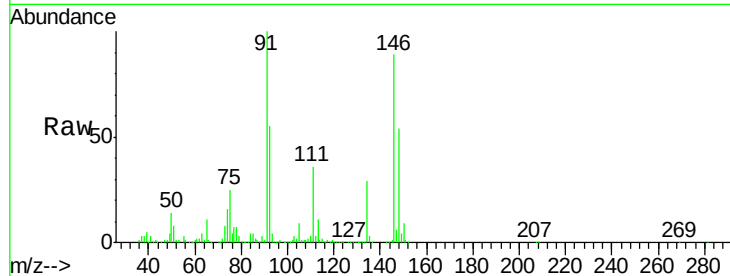




#91
 1,2-Dichlorobenzene
 Concen: 50.466 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

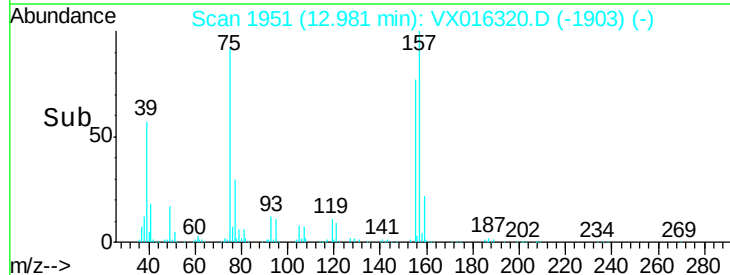
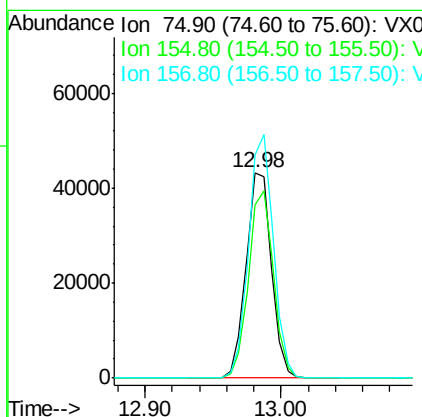
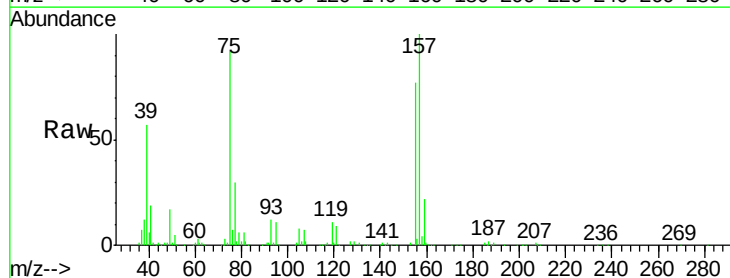
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

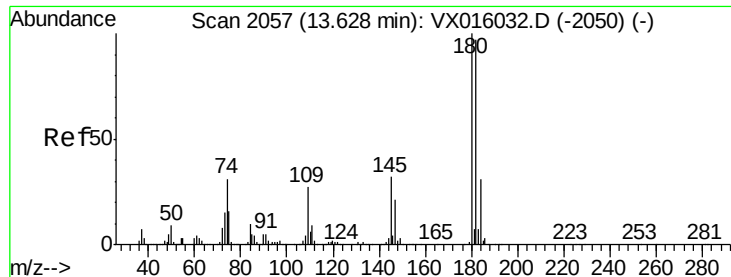
Tot Ion:146 Resp: 319314
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.1
 148 63.3 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.717 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 75 Resp: 56796
 Ion Ratio Lower Upper
 75 100
 155 89.4 42.5 127.5
 157 115.7 55.3 165.8

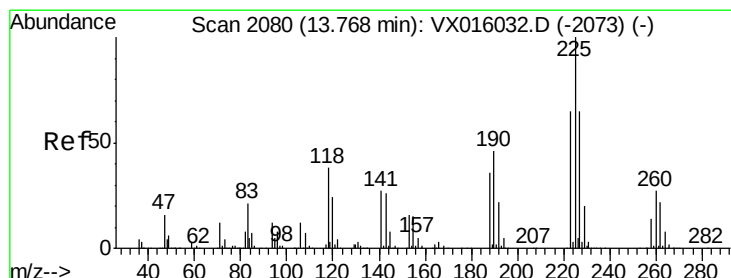
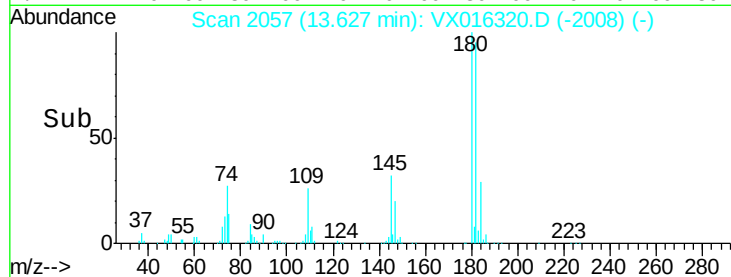
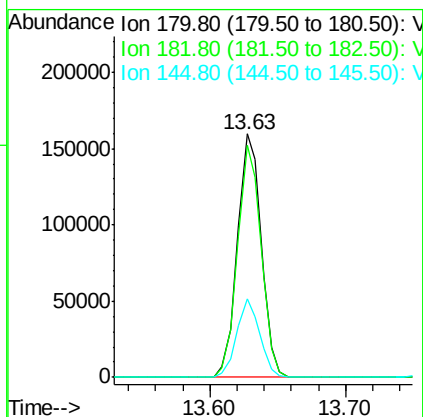
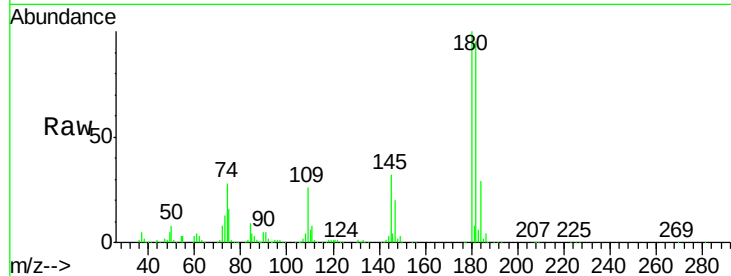




#93
 1,2,4-Trichlorobenzene
 Concen: 41.366 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

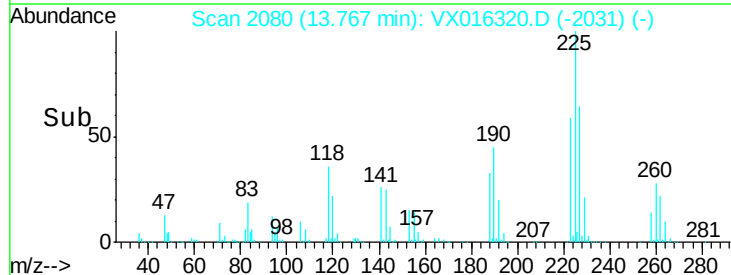
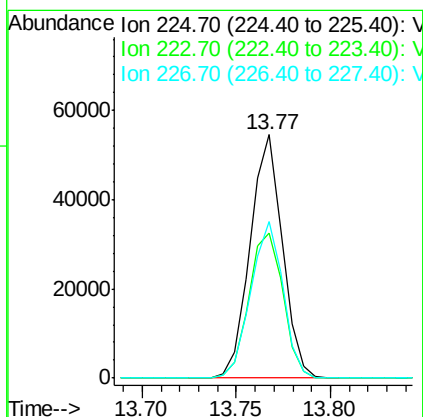
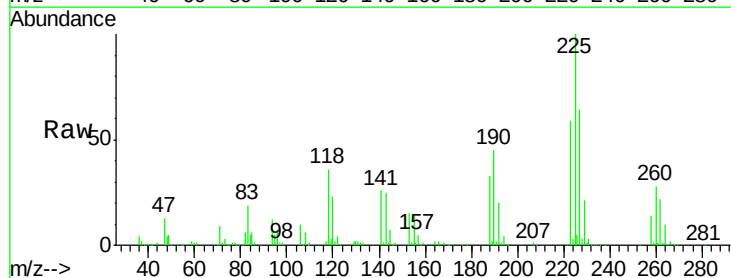
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

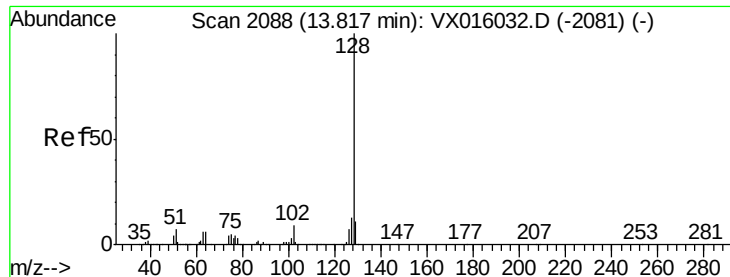
Tot Ion:180 Resp: 193779
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.7 146.1
 145 31.2 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 32.315 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion:225 Resp: 64807
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.3 96.9
 227 64.2 31.8 95.4





#95

Naphthalene

Concen: 48.579 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

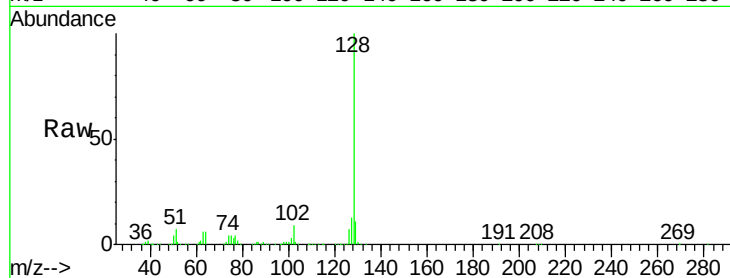
Tot Ion:128 Resp: 736864

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

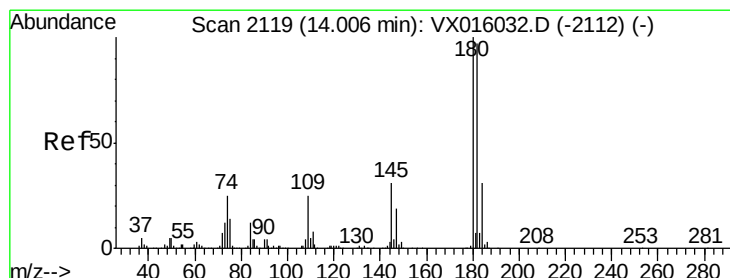
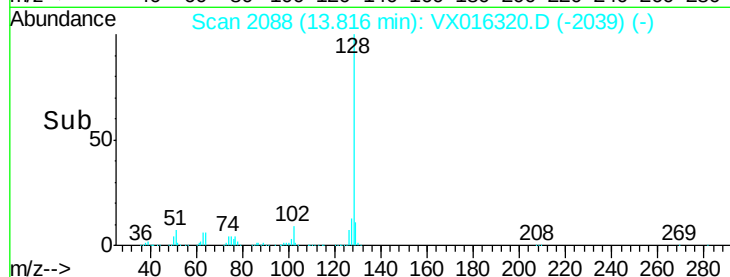
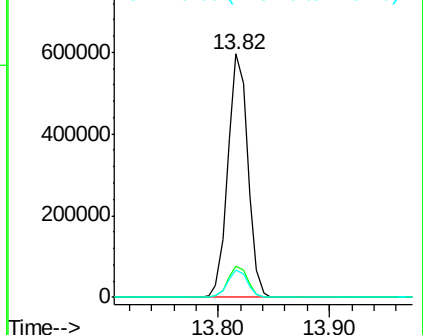
129 11.1 8.7 13.1



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: 42.760 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

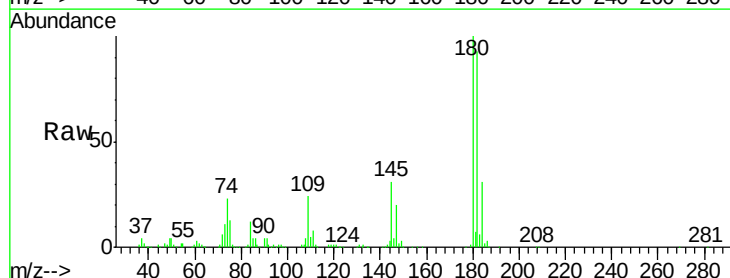
Tgt Ion:180 Resp: 195765

Ion Ratio Lower Upper

180 100

182 94.4 48.4 145.0

145 32.0 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

