

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016920.D
 Acq On : 20 Jun 2020 09:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 02:01:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	383132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	617772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	566576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	300308	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	212838	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	5.47	113	173062	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	
50) Toluene-d8	8.70	98	663200	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	
62) 4-Bromofluorobenzene	11.12	95	258182	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	213538	45.416	ug/l	98
3) Chloromethane	1.31	50	172061	36.090	ug/l	99
4) Vinyl Chloride	1.39	62	251637	46.831	ug/l	99
5) Bromomethane	1.62	94	100417	31.037	ug/l	97
6) Chloroethane	1.71	64	149646	45.218	ug/l	99
7) Trichlorofluoromethane	1.92	101	326809	43.476	ug/l	99
8) Diethyl Ether	2.17	74	133876	45.807	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	154458	38.576	ug/l	97
10) Methyl Iodide	2.49	142	92419	24.246	ug/l	96
11) Tert butyl alcohol	3.01	59	202977	260.574	ug/l	98
12) 1,1-Dichloroethene	2.36	96	166723	40.721	ug/l	100
13) Acrolein	2.27	56	168880	357.584	ug/l	99
14) Allyl chloride	2.71	41	264241	48.792	ug/l	94
15) Acrylonitrile	3.12	53	469508	263.020	ug/l	99
16) Acetone	2.42	43	361924	216.368	ug/l	99
17) Carbon Disulfide	2.55	76	462347	43.696	ug/l	99
18) Methyl Acetate	2.75	43	231382	54.397	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	574113	49.204	ug/l	100
20) Methylene Chloride	2.84	84	183061	45.636	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	181217	46.889	ug/l	99
22) Diisopropyl ether	3.82	45	543907	52.419	ug/l	96
23) Vinyl Acetate	3.78	43	2246155	262.521	ug/l	98
24) 1,1-Dichloroethane	3.67	63	317259	48.949	ug/l	99
25) 2-Butanone	4.64	43	625727	271.807	ug/l	98
26) 2,2-Dichloropropane	4.55	77	174915	28.805	ug/l	94
27) cis-1,2-Dichloroethene	4.56	96	208240	47.939	ug/l	98
28) Bromochloromethane	4.98	49	137997	51.298	ug/l	90
29) Tetrahydrofuran	5.09	42	407900	281.338	ug/l	96
30) Chloroform	5.18	83	329484	48.151	ug/l	97
31) Cyclohexane	5.55	56	339539	59.587	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	320535	49.493	ug/l	99
36) 1,1-Dichloropropene	5.77	75	277397	48.631	ug/l	97
37) Ethyl Acetate	4.79	43	246801	48.970	ug/l	99
38) Carbon Tetrachloride	5.76	117	289500	45.233	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	299771	45.198	ug/l	99
40) Benzene	6.11	78	851080	49.726	ug/l	99
41) Methacrylonitrile	5.00	41	143548	52.465	ug/l	96
42) 1,2-Dichloroethane	6.17	62	283521	46.552	ug/l	100
43) Isopropyl Acetate	6.41	43	486196	55.243	ug/l	98
44) Trichloroethene	7.19	130	233929	44.628	ug/l	98
45) 1,2-Dichloropropane	7.49	63	213569	49.637	ug/l	97
46) Dibromomethane	7.64	93	144425	49.497	ug/l	98
47) Bromodichloromethane	7.88	83	296096	47.713	ug/l	100
48) Methyl methacrylate	7.74	41	230606	55.644	ug/l	97
49) 1,4-Dioxane	7.71	88	98502	1061.774	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1370502	258.903	ug/l	99
52) Toluene	8.77	92	536204	47.225	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	312397	45.790	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	339906	46.571	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	217520	50.740	ug/l	98
56) Ethyl methacrylate	9.16	69	348625	56.175	ug/l	98
57) 1,3-Dichloropropane	9.35	76	366326	50.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	804262	278.515	ug/l	96
59) 2-Hexanone	9.47	43	1047228	273.187	ug/l	99
60) Dibromochloromethane	9.57	129	248257	48.274	ug/l	99
61) 1,2-Dibromoethane	9.65	107	230518	49.550	ug/l	100
64) Tetrachloroethene	9.32	164	210342	40.091	ug/l	97
65) Chlorobenzene	10.12	112	570452	49.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	218097	49.049	ug/l	98
67) Ethyl Benzene	10.24	91	965446	49.874	ug/l	100
68) m/p-Xylenes	10.34	106	757051	100.501	ug/l	100
69) o-Xylene	10.68	106	359683	51.640	ug/l	97
70) Styrene	10.70	104	653285	55.201	ug/l	99
71) Bromoform	10.84	173	196434	52.545	ug/l #	99
73) Isopropylbenzene	11.00	105	988097	51.103	ug/l	100
74) N-amyl acetate	10.88	43	455120	67.408	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	316602	57.988	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	354829	64.695	ug/l	85
77) Bromobenzene	11.24	156	269467	51.101	ug/l	96
78) n-propylbenzene	11.34	91	1101333	51.038	ug/l	100
79) 2-Chlorotoluene	11.40	91	641005	48.551	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	826629	49.550	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	95387	42.590	ug/l	97
82) 4-Chlorotoluene	11.49	91	775770	48.978	ug/l	100
83) tert-Butylbenzene	11.76	119	790659	47.901	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	897414	52.221	ug/l	99
85) sec-Butylbenzene	11.93	105	891539	46.507	ug/l	99
86) p-Isopropyltoluene	12.05	119	868549	49.450	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	466128	48.384	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	477096	48.967	ug/l	99
89) n-Butylbenzene	12.37	91	702956	46.671	ug/l	99
90) Hexachloroethane	12.58	117	155853	49.259	ug/l	97
91) 1,2-Dichlorobenzene	12.37	146	446277	47.984	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	69829	53.941	ug/l	98

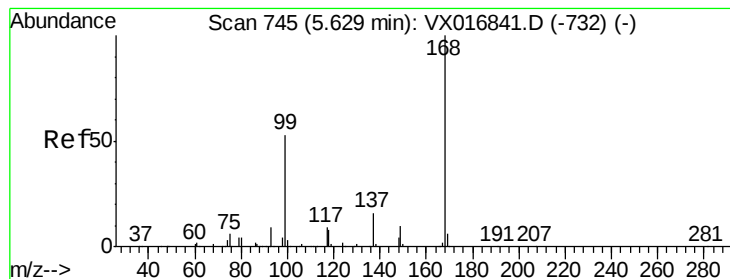
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	304134	48.698	ug/l	100
94) Hexachlorobutadiene	13.77	225	107354	38.094	ug/l	97
95) Naphthalene	13.82	128	1040542	56.751	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	307037	49.298	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

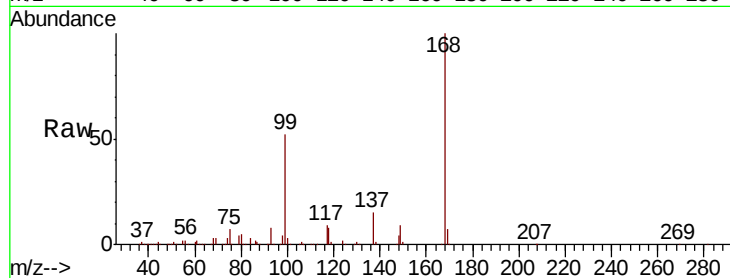
VSTDCCC050EC

Tot Ion:168 Resp: 383132

Ion Ratio Lower Upper

168 100

99 51.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

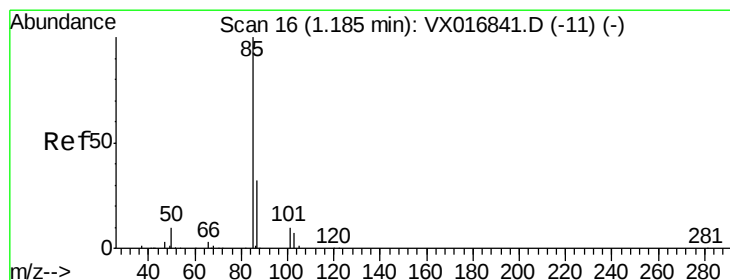
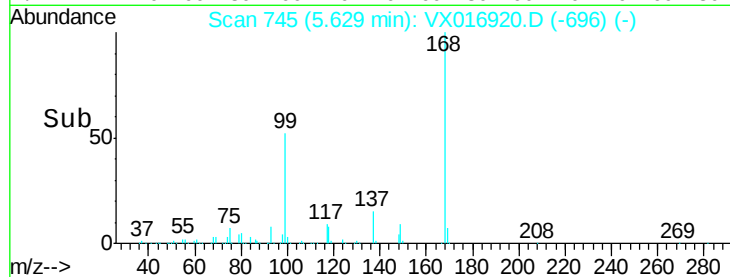
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.416 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016920.D

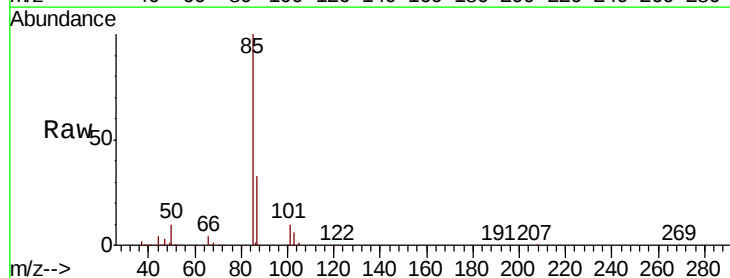
Acq: 20 Jun 2020 09:40

Tgt Ion: 85 Resp: 213538

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200000

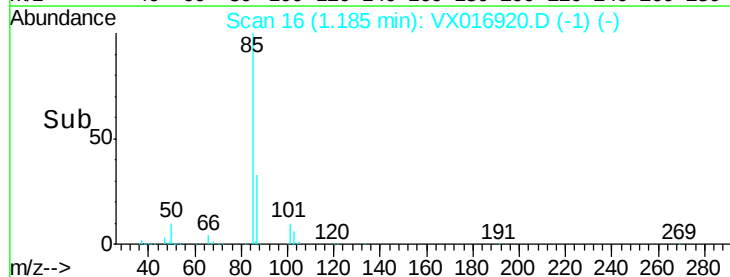
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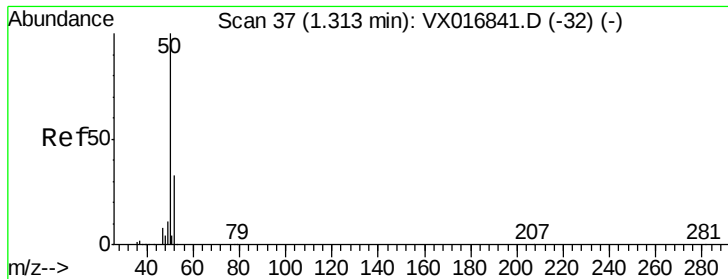
100000

50000

0

Time-->





#3

Chloromethane

Concen: 36.090 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

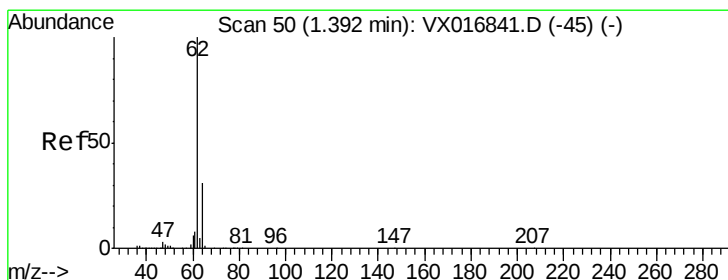
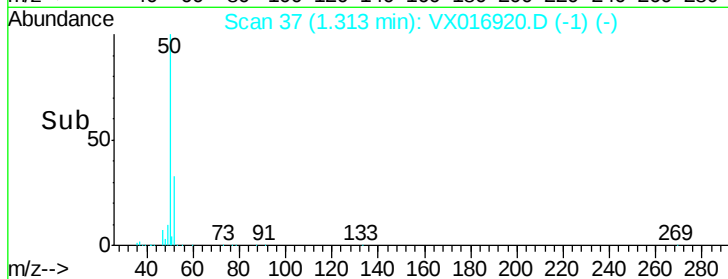
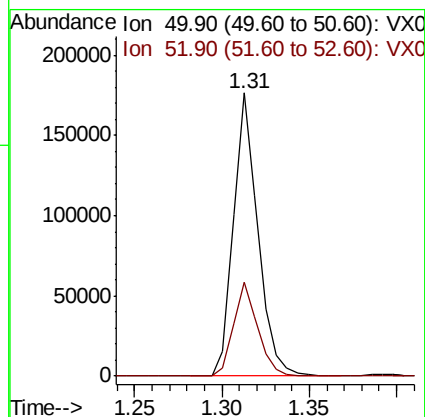
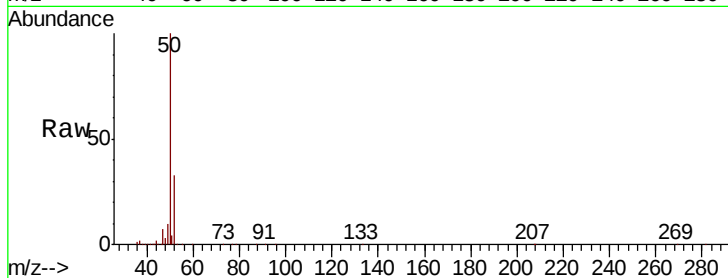
VSTDCCC050EC

Tot Ion: 50 Resp: 172061

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 46.831 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016920.D

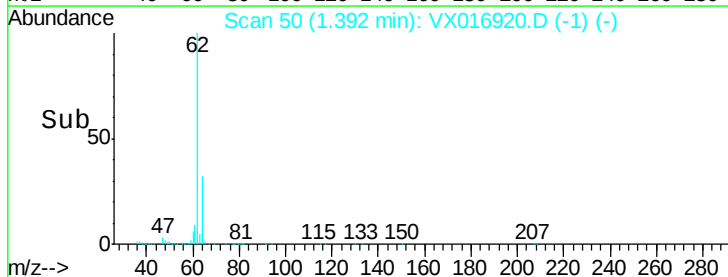
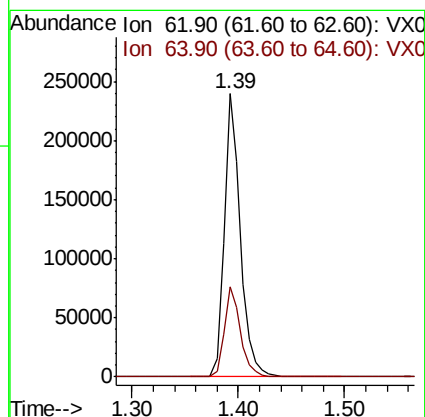
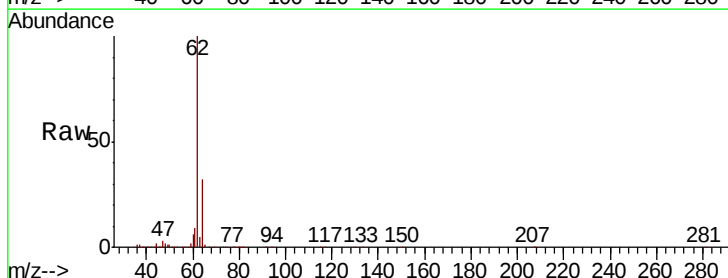
Acq: 20 Jun 2020 09:40

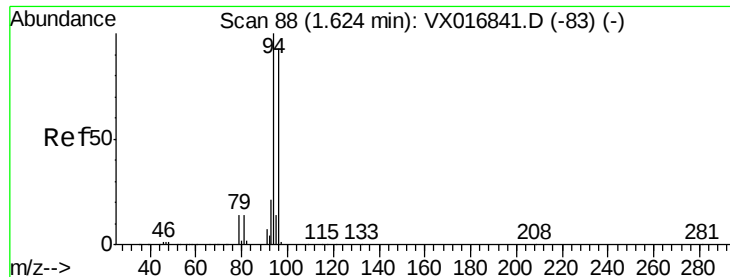
Tgt Ion: 62 Resp: 251637

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 31.037 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

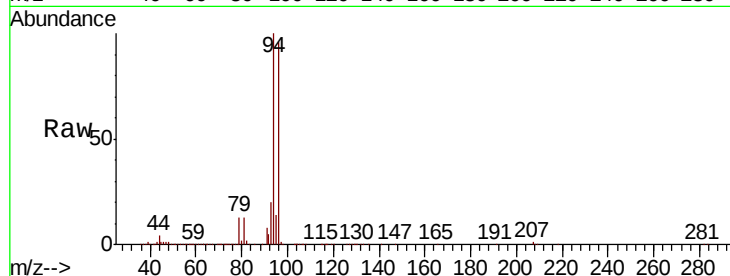
VSTDCCC050EC

Tot Ion: 94 Resp: 100417

Ion Ratio Lower Upper

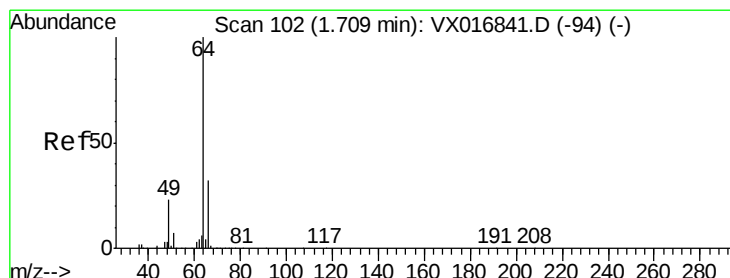
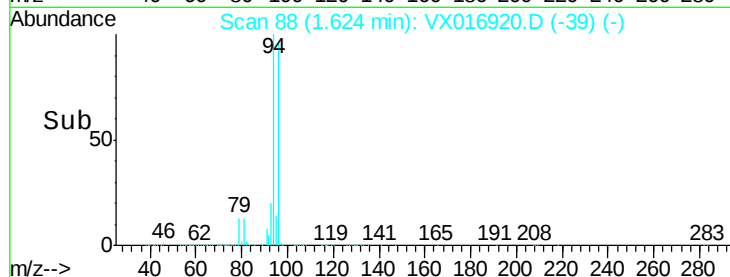
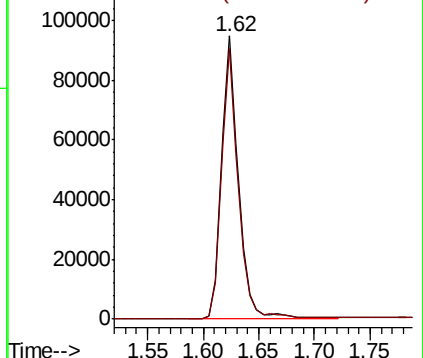
94 100

96 95.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.218 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX016920.D

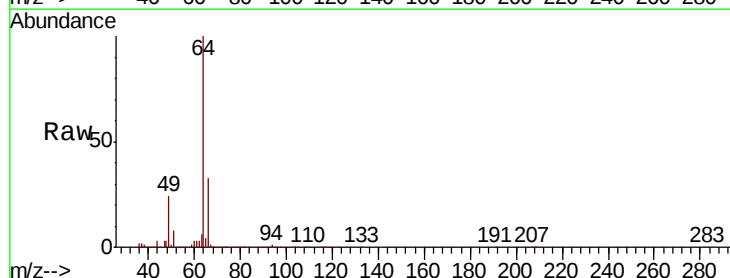
Acq: 20 Jun 2020 09:40

Tgt Ion: 64 Resp: 149646

Ion Ratio Lower Upper

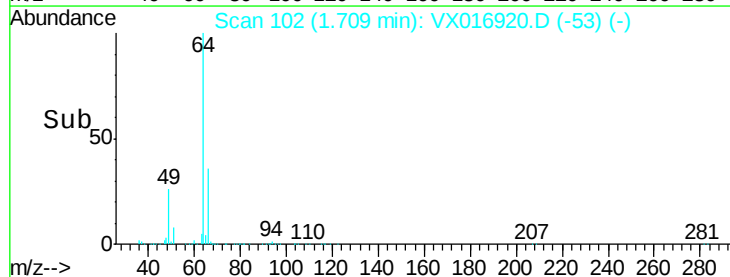
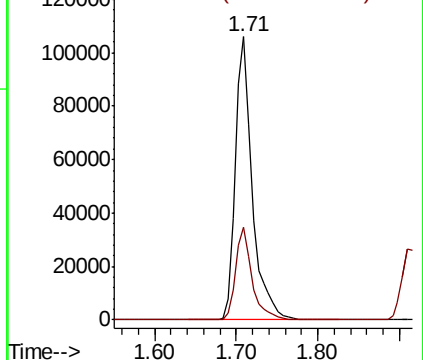
64 100

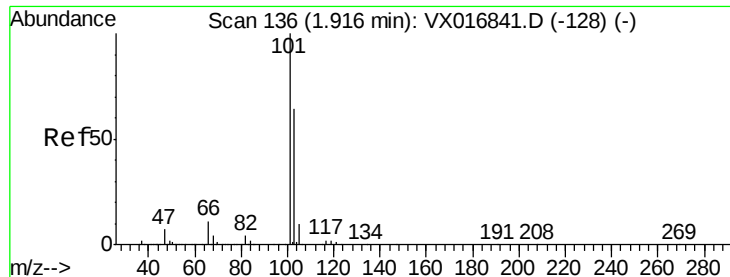
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



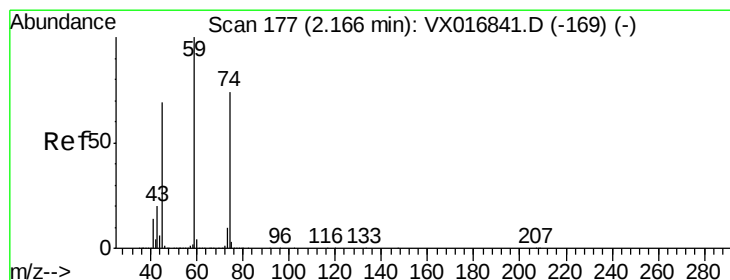
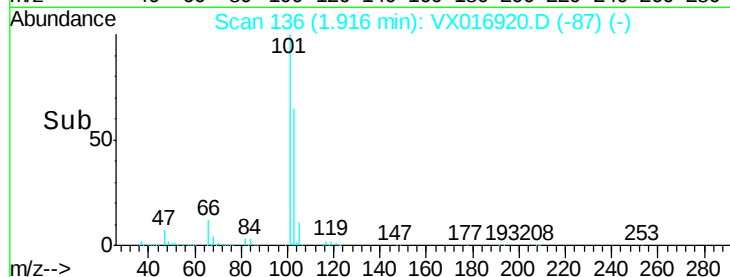
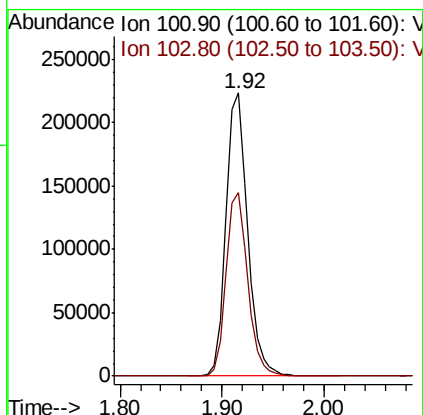
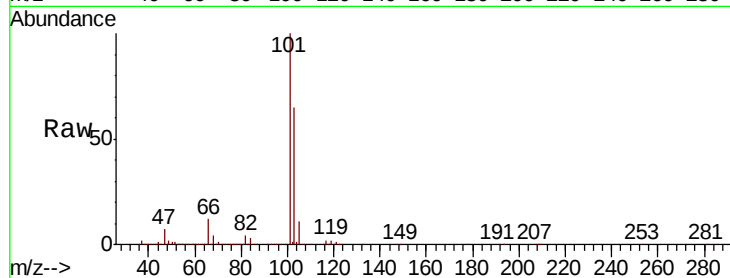


#7

Trichlorofluoromethane
Concen: 43.476 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

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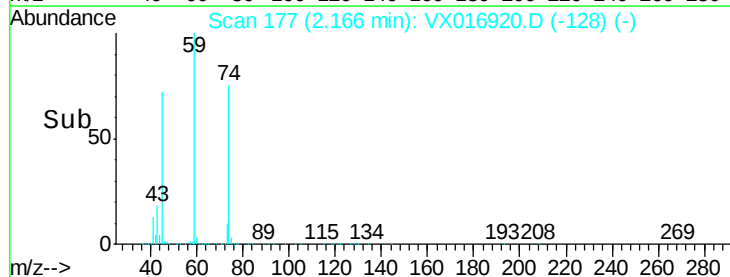
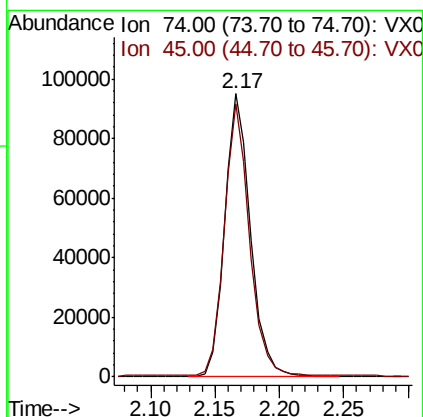
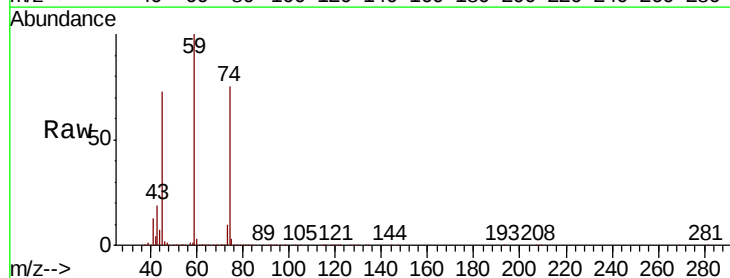
Tot Ion:101 Resp: 326809
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8

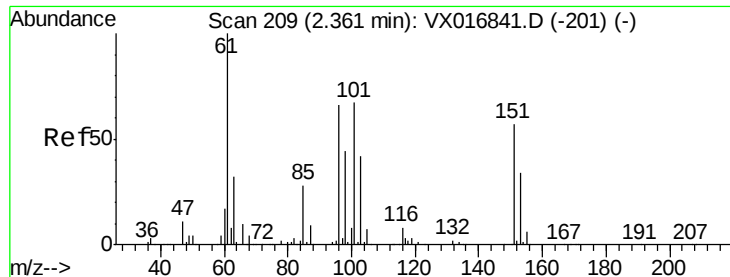


#8

Diethyl Ether
Concen: 45.807 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 74 Resp: 133876
Ion Ratio Lower Upper
74 100
45 93.2 45.3 135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.576 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

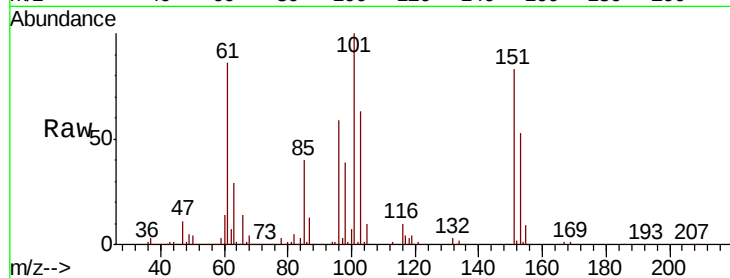
Tot Ion:101 Resp: 154458

Ion Ratio Lower Upper

101 100

85 41.2 34.3 51.5

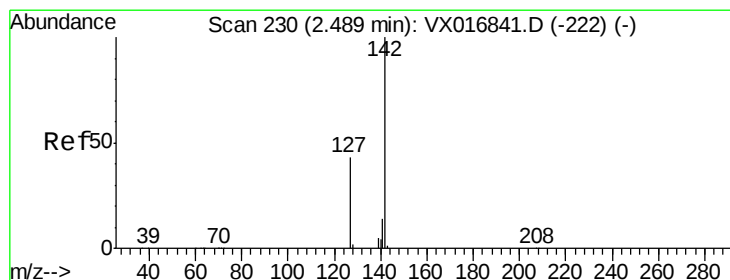
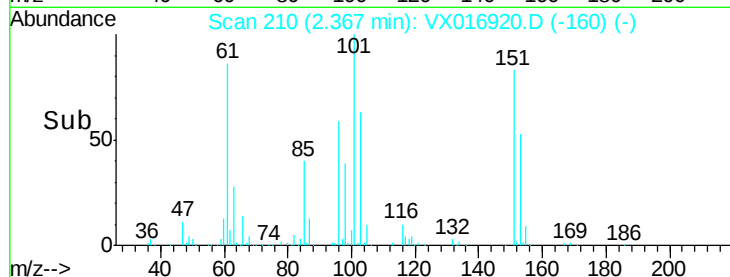
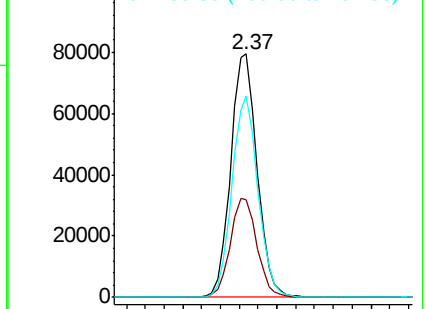
151 81.7 67.6 101.4



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: 24.246 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

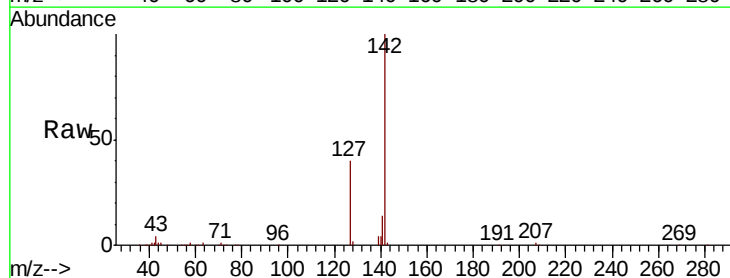
Tgt Ion:142 Resp: 92419

Ion Ratio Lower Upper

142 100

127 40.3 35.1 52.7

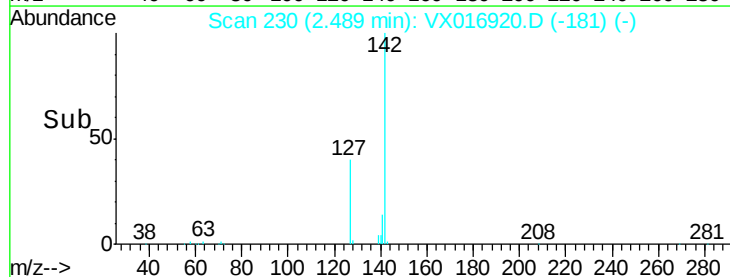
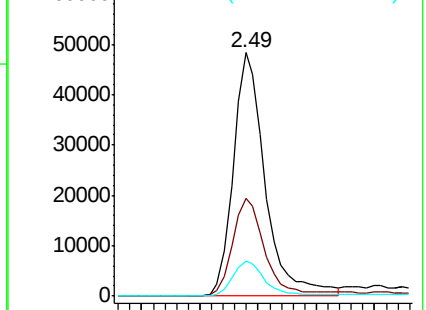
141 14.8 11.6 17.4

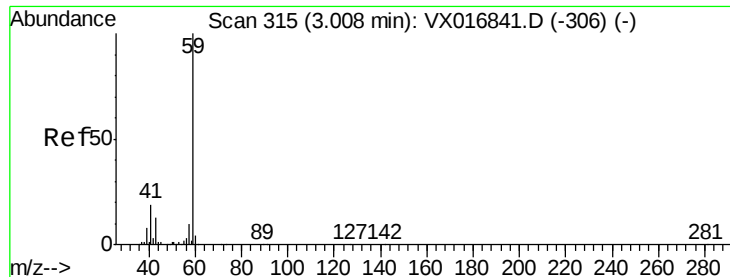


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

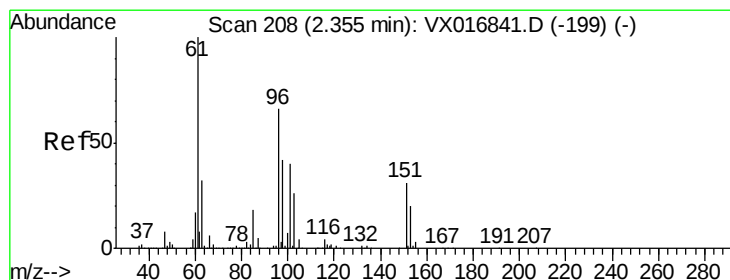
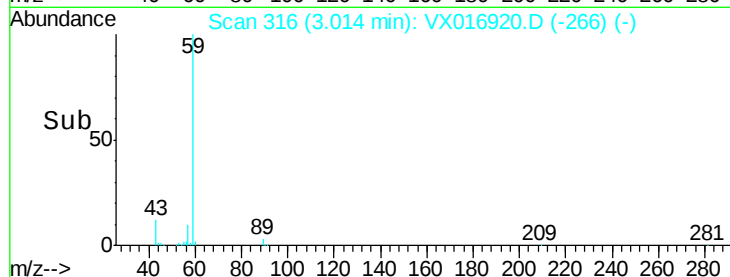
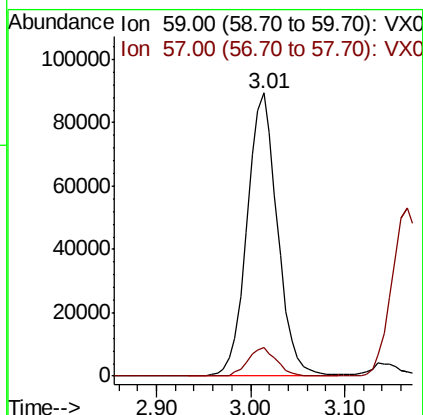
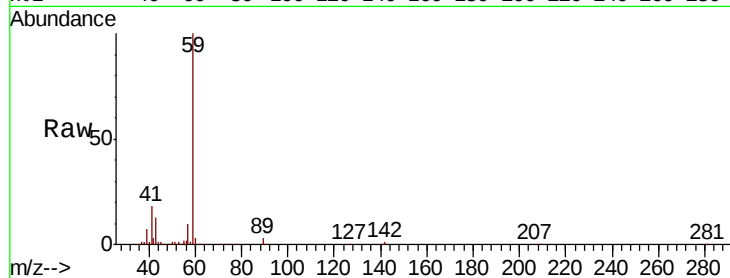




#11
Tert butyl alcohol
Concen: 260.574 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

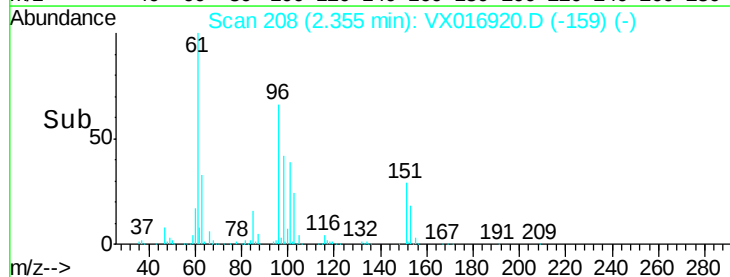
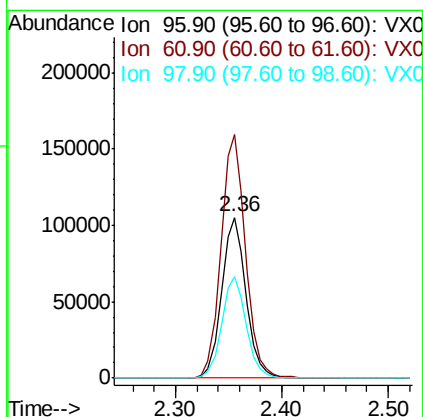
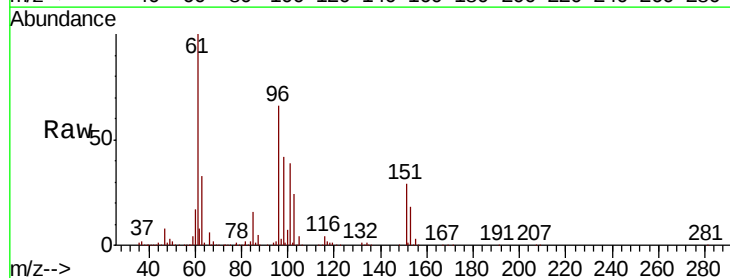
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

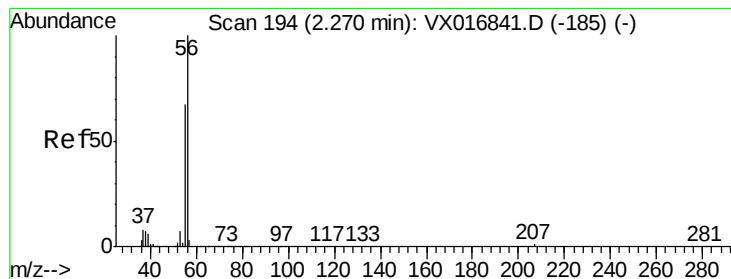
Tot Ion: 59 Resp: 202977
Ion Ratio Lower Upper
59 100
57 9.7 8.4 12.6



#12
1,1-Dichloroethene
Concen: 40.721 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 96 Resp: 166723
Ion Ratio Lower Upper
96 100
61 151.9 121.7 182.5
98 63.3 51.1 76.7





#13

Acrolein

Concen: 357.584 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

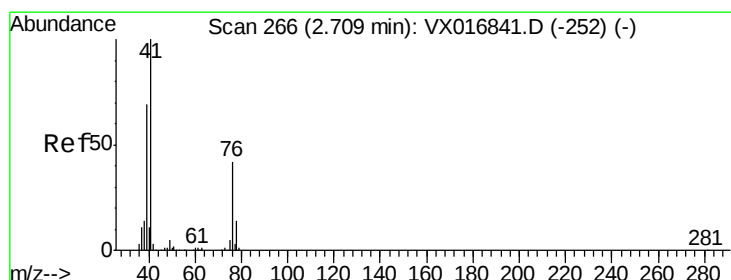
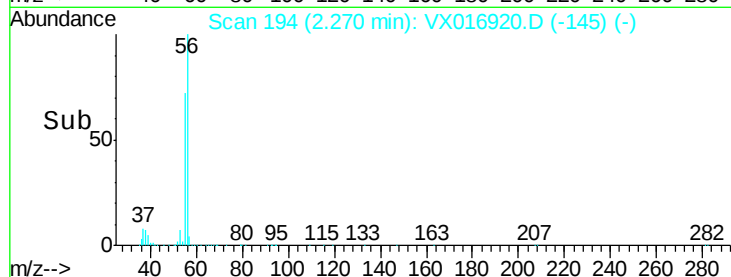
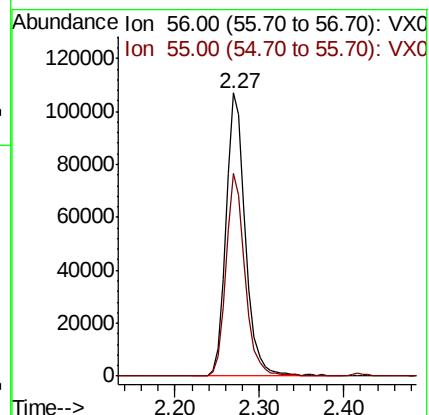
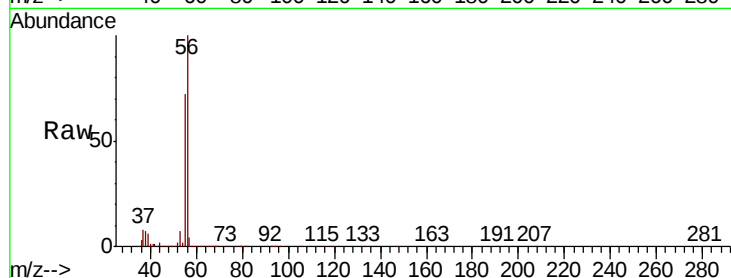
VSTDCCC050EC

Tot Ion: 56 Resp: 168880

Ion Ratio Lower Upper

56 100

55 70.0 55.7 83.5



#14

Allyl chloride

Concen: 48.792 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

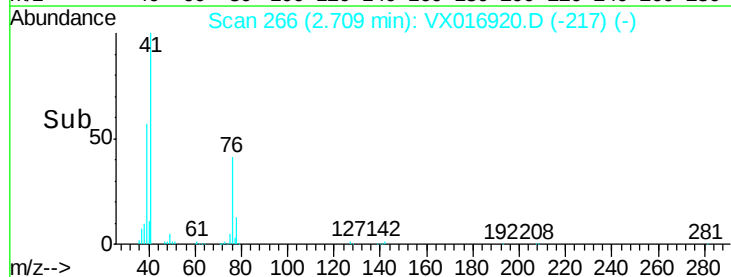
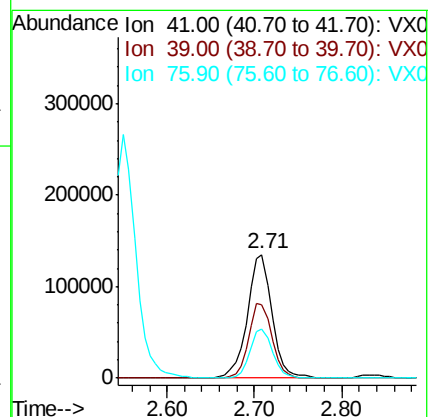
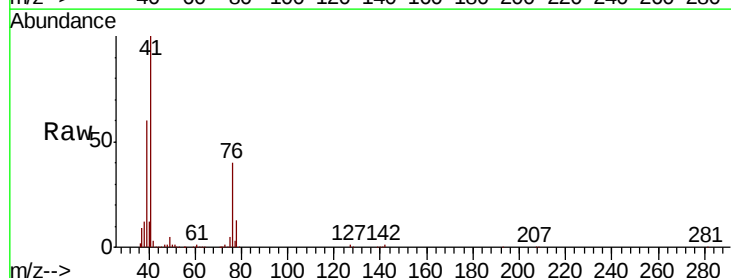
Tgt Ion: 41 Resp: 264241

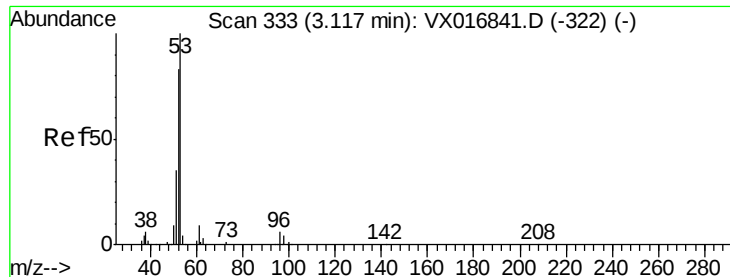
Ion Ratio Lower Upper

41 100

39 57.3 50.7 76.1

76 36.1 30.9 46.3





#15

Acrylonitrile

Concen: 263.020 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

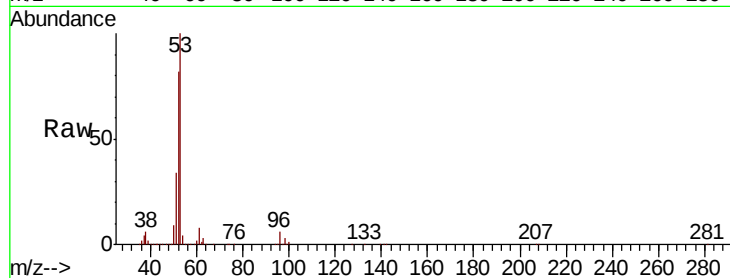
Tot Ion: 53 Resp: 469508

Ion Ratio Lower Upper

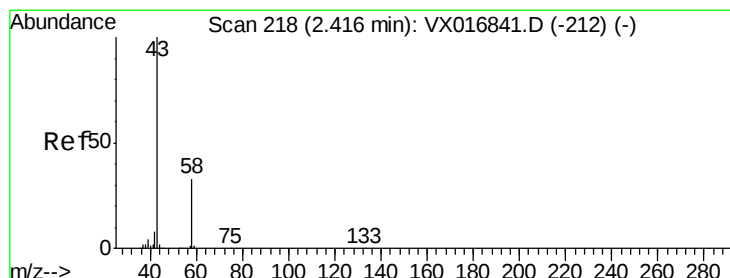
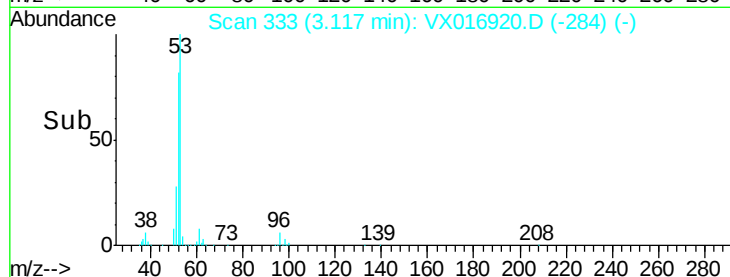
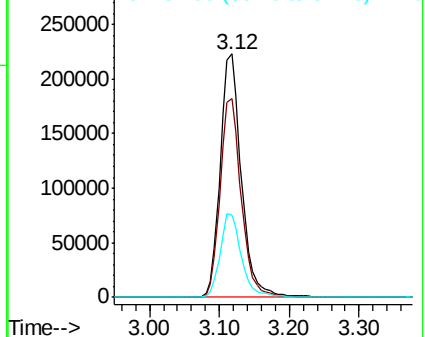
53 100

52 81.9 66.2 99.2

51 34.6 28.7 43.1



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: 216.368 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016920.D

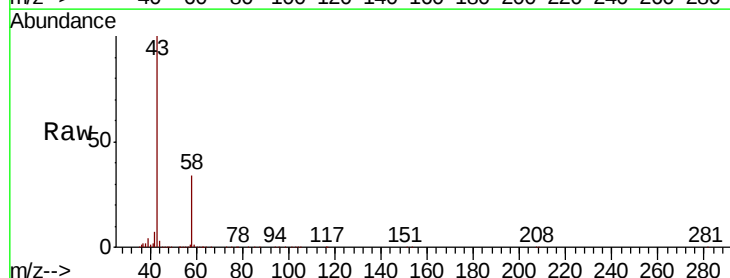
Acq: 20 Jun 2020 09:40

Tgt Ion: 43 Resp: 361924

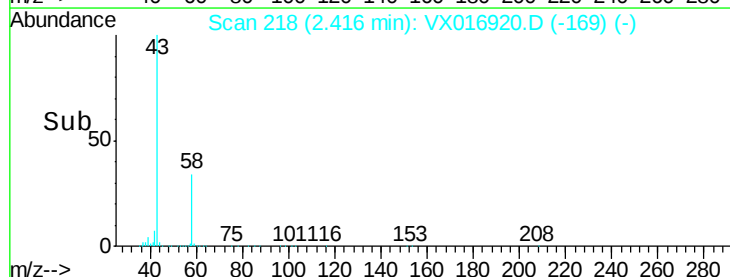
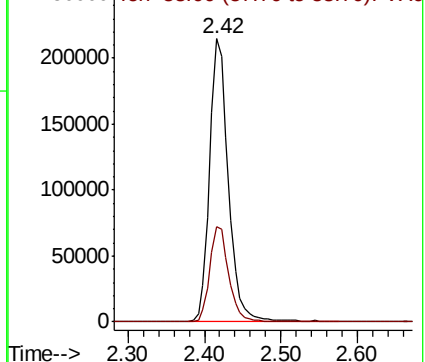
Ion Ratio Lower Upper

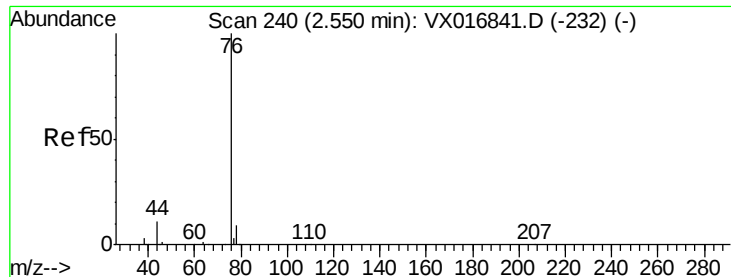
43 100

58 33.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

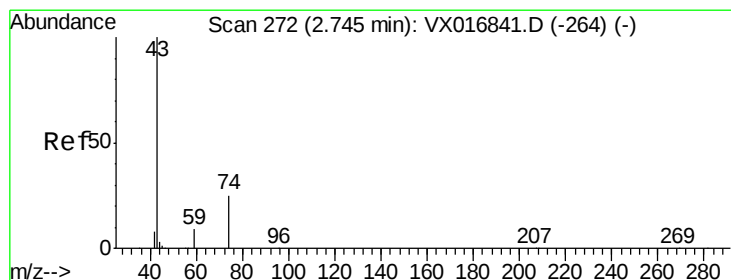
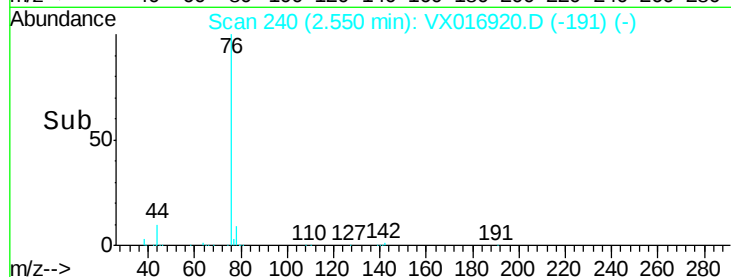
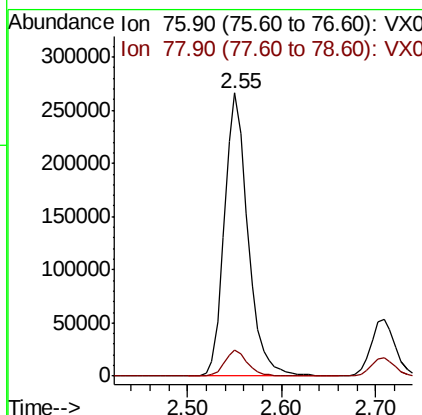
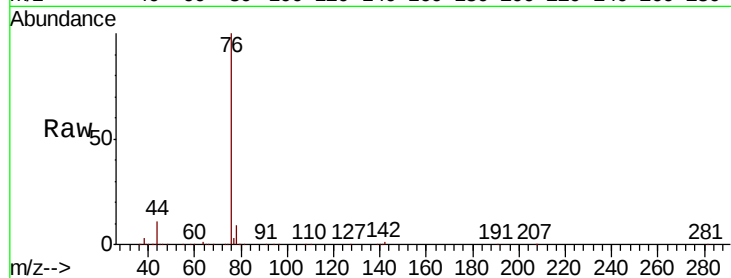




#17
Carbon Disulfide
Concen: 43.696 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

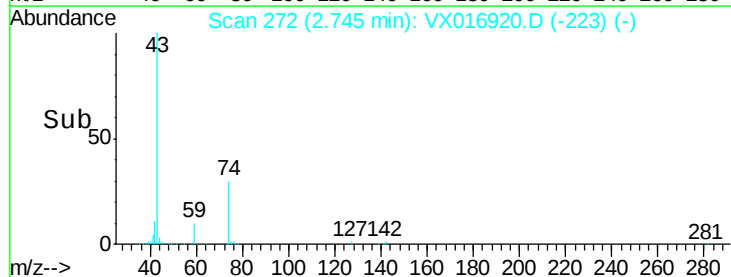
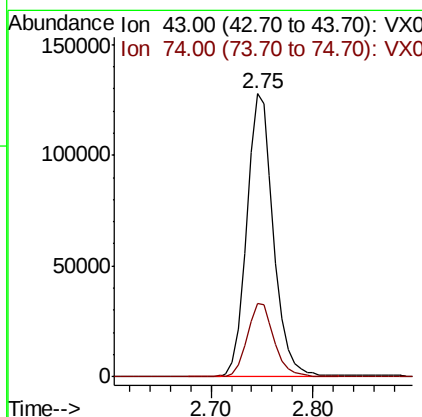
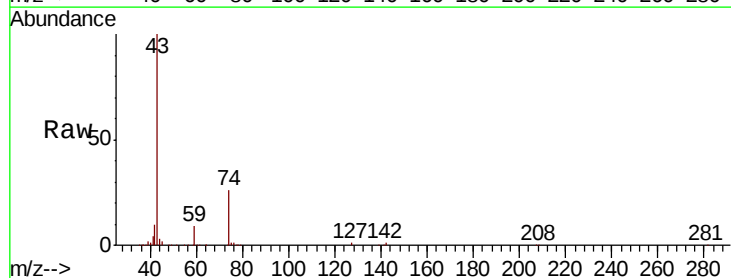
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

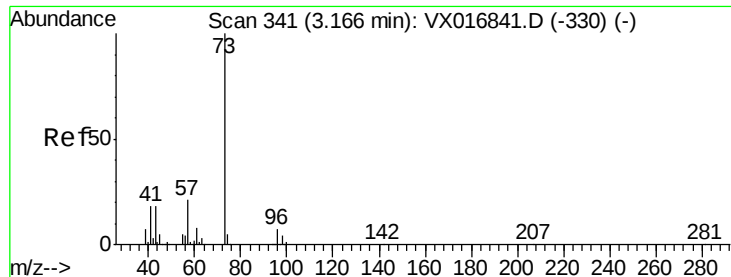
Tot Ion: 76 Resp: 462347
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 54.397 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 43 Resp: 231382
Ion Ratio Lower Upper
43 100
74 26.7 21.8 32.8

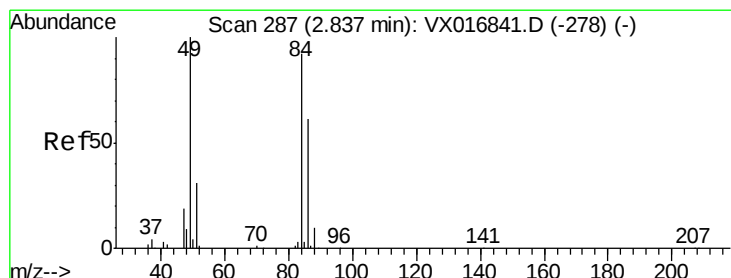
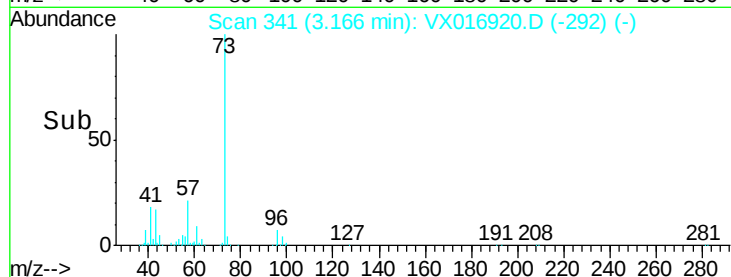
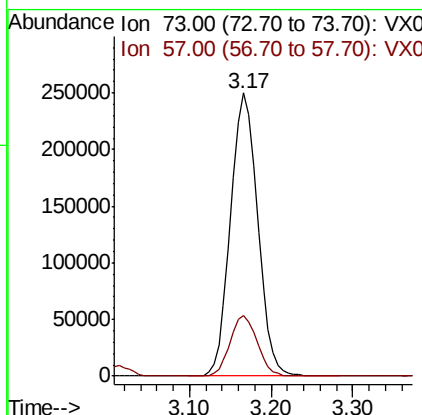
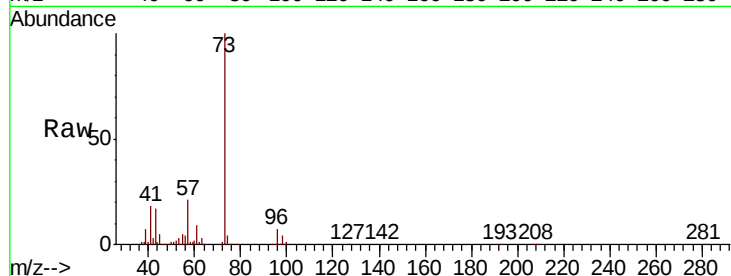




#19
Methyl tert-butyl Ether
Concen: 49.204 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

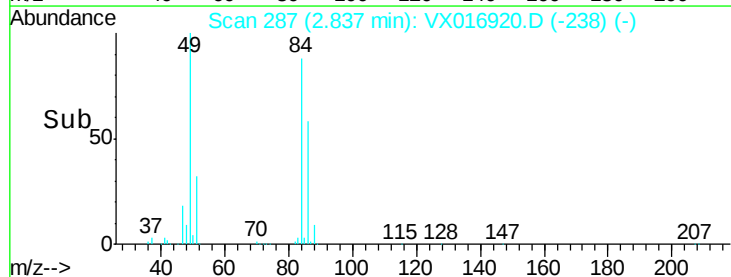
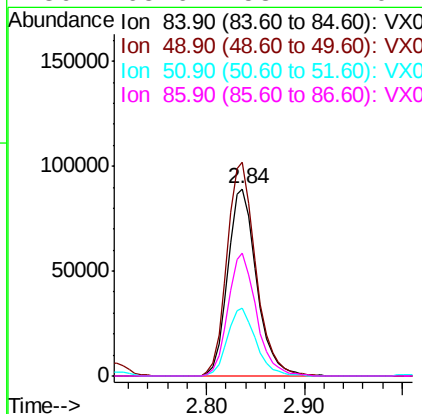
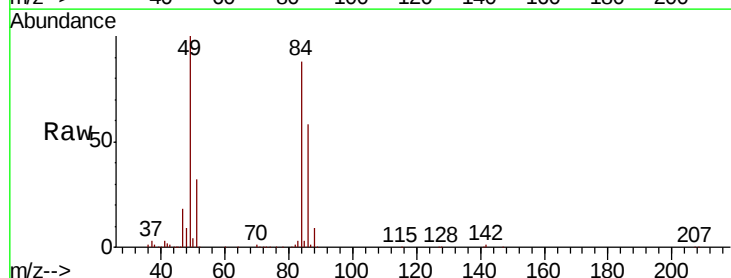
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

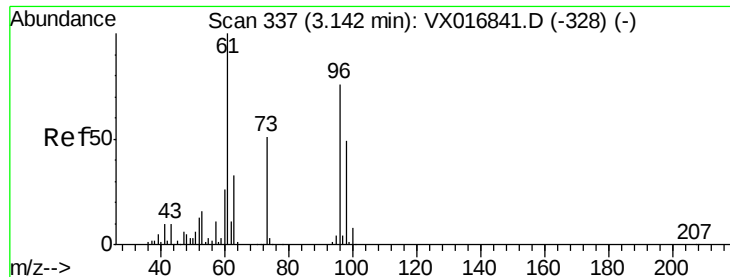
Tot Ion: 73 Resp: 574113
Ion Ratio Lower Upper
73 100
57 21.3 16.9 25.3



#20
Methylene Chloride
Concen: 45.636 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 84 Resp: 183061
Ion Ratio Lower Upper
84 100
49 114.1 86.6 129.8
51 36.5 27.1 40.7
86 65.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 46.889 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

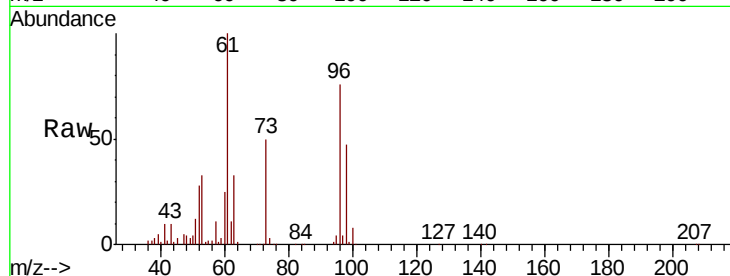
Tot Ion: 96 Resp: 181217

Ion Ratio Lower Upper

96 100

61 131.5 105.4 158.0

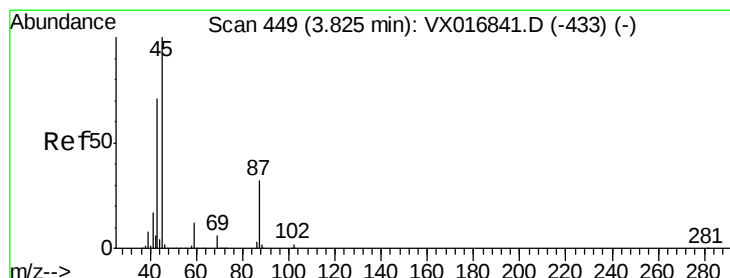
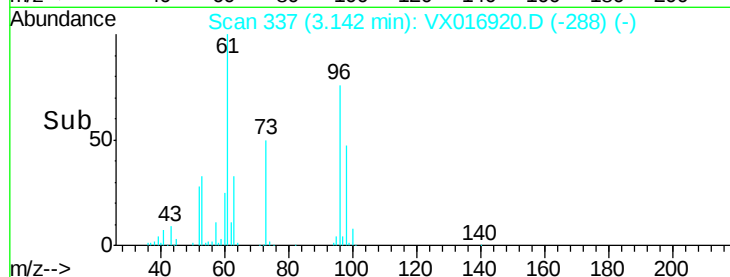
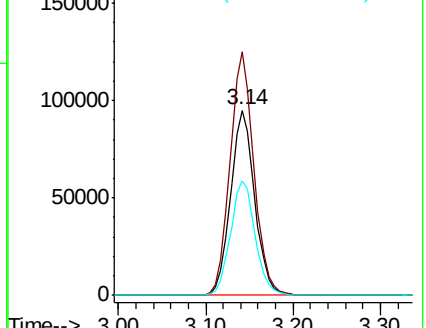
98 62.0 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.419 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Tgt Ion: 45 Resp: 543907

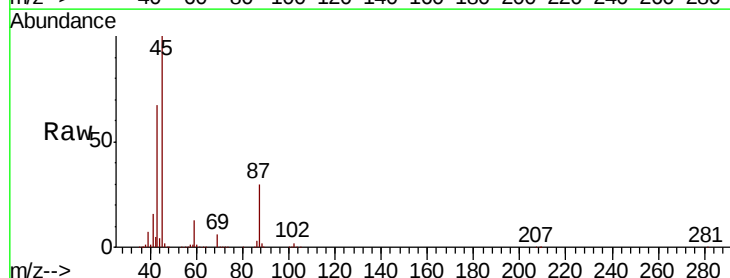
Ion Ratio Lower Upper

45 100

43 67.3 57.0 85.4

87 29.8 25.2 37.8

59 12.6 9.9 14.9

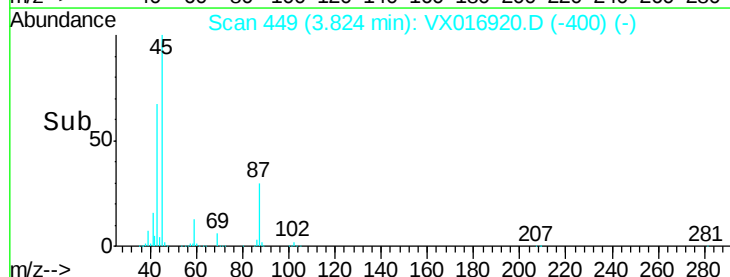
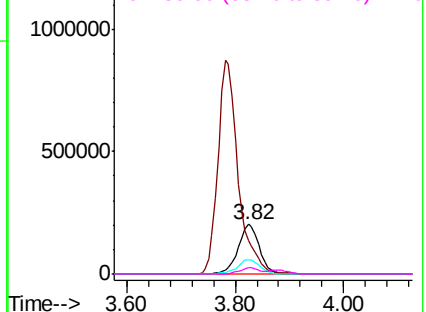


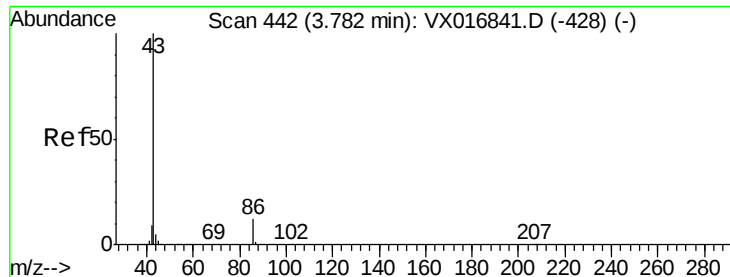
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 262.521 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

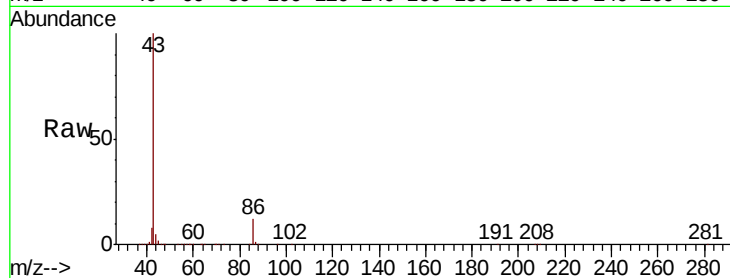
VSTDCCC050EC

Tot Ion: 43 Resp: 2246155

Ion Ratio Lower Upper

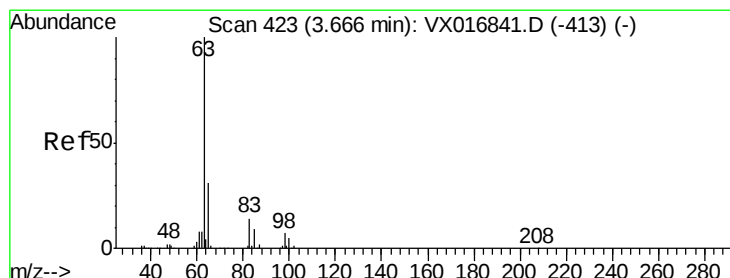
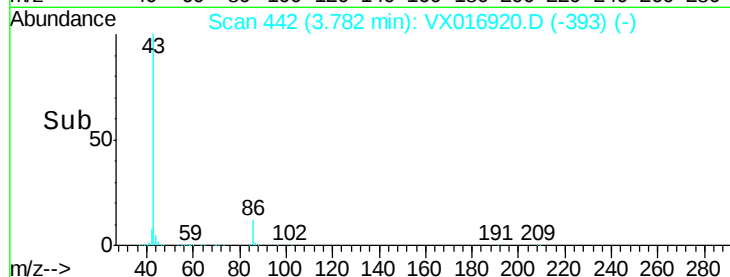
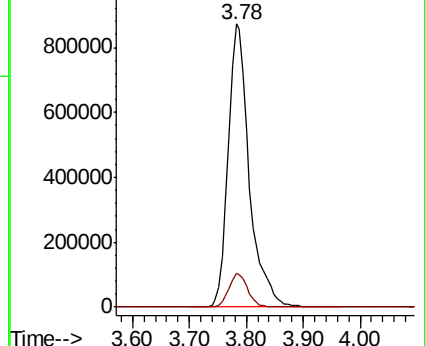
43 100

86 11.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.949 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

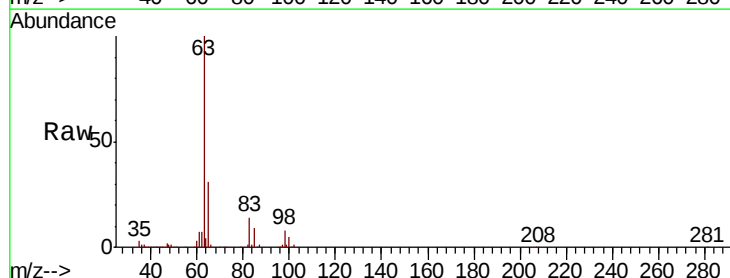
Tgt Ion: 63 Resp: 317259

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

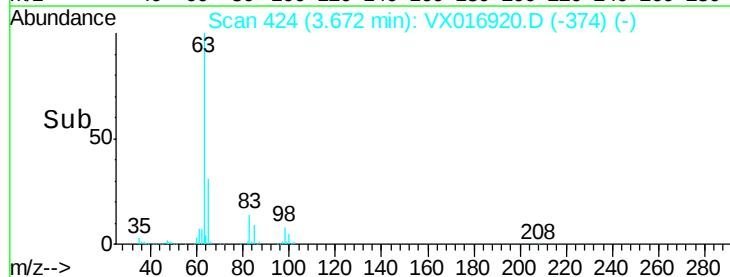
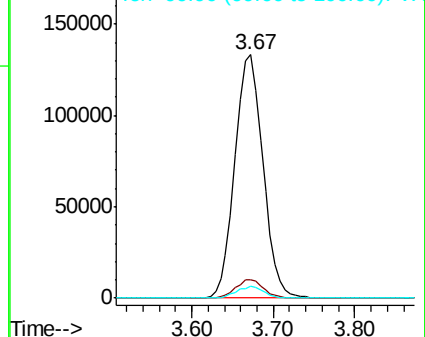
100 4.9 2.4 7.1

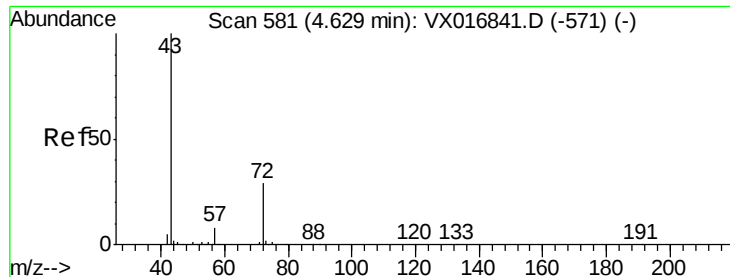


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 271.807 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

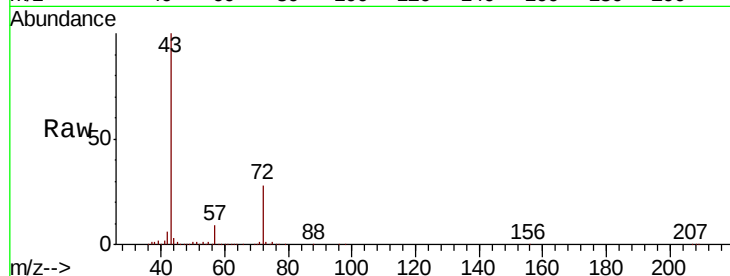
VSTDCCC050EC

Tot Ion: 43 Resp: 625727

Ion Ratio Lower Upper

43 100

72 28.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

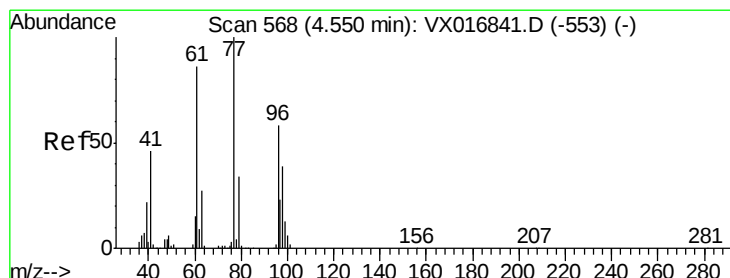
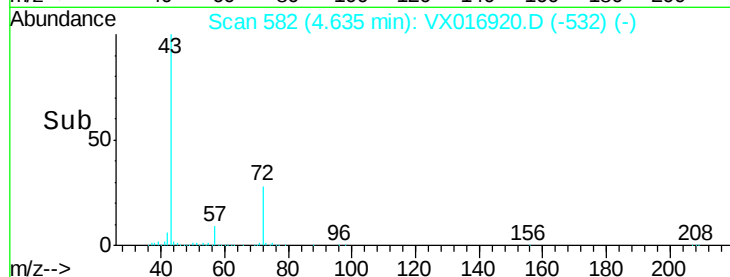
100000

50000

0

4.50 4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 28.805 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016920.D

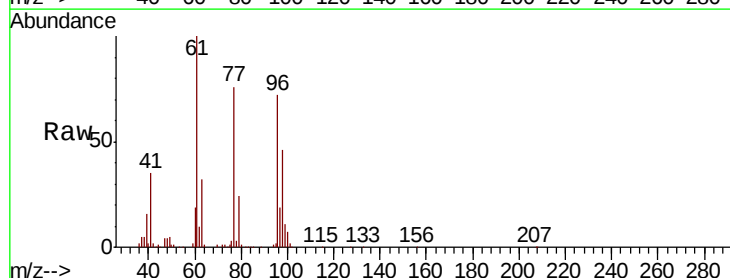
Acq: 20 Jun 2020 09:40

Tgt Ion: 77 Resp: 174915

Ion Ratio Lower Upper

77 100

97 25.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

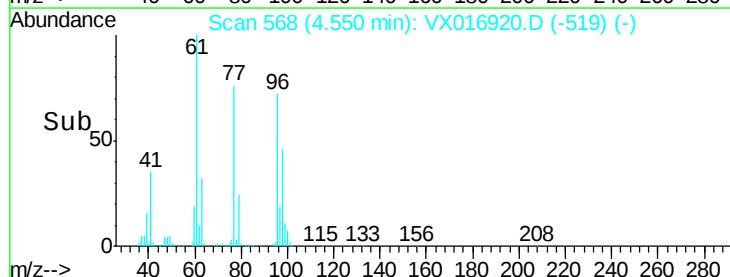
20000

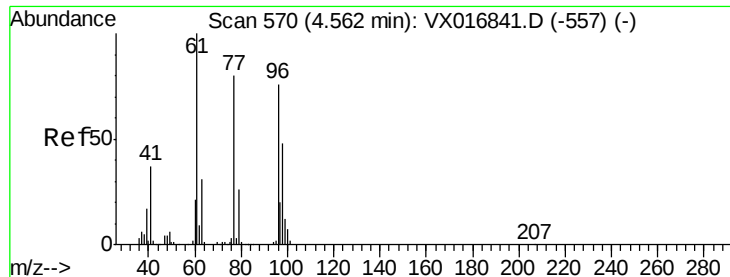
10000

0

4.40 4.50 4.60

Time-->



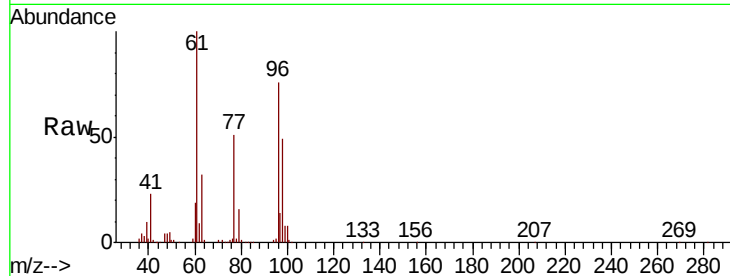


#27

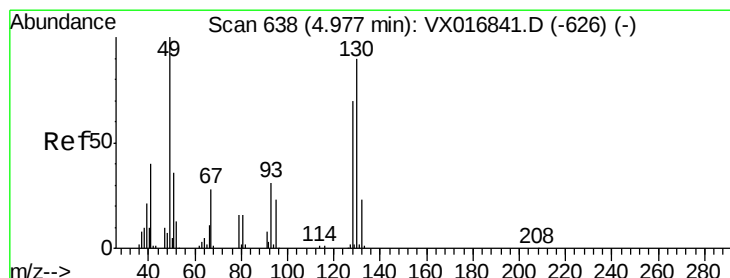
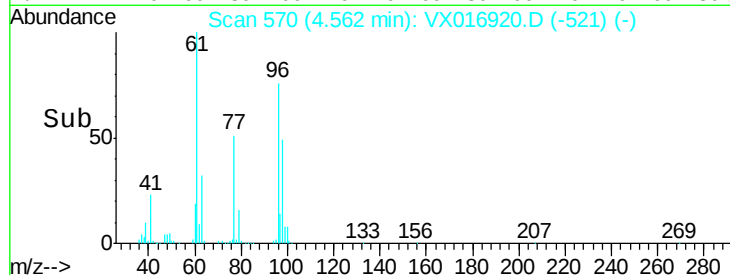
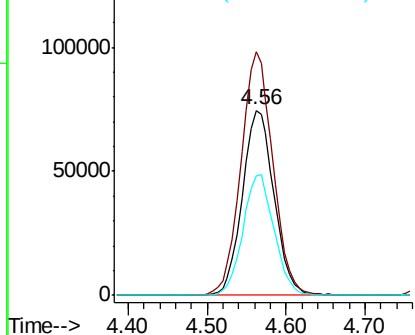
cis-1,2-Dichloroethene
 Concen: 47.939 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	273.8
98	64.3	0.0	129.0



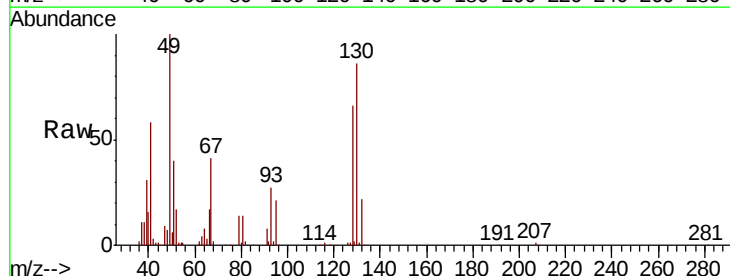
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



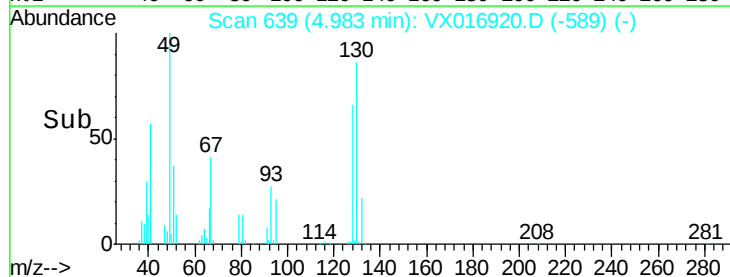
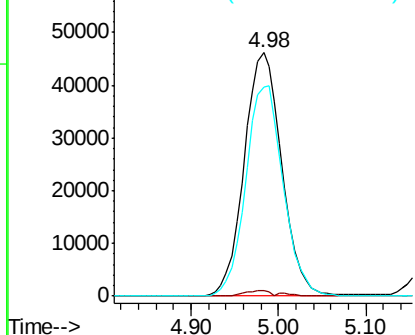
#28

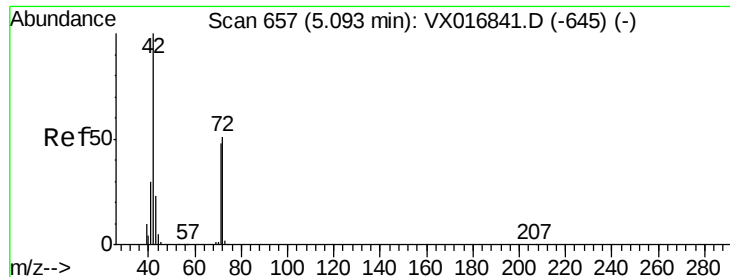
Bromochloromethane
 Concen: 51.298 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.0
130	86.2	76.8	115.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

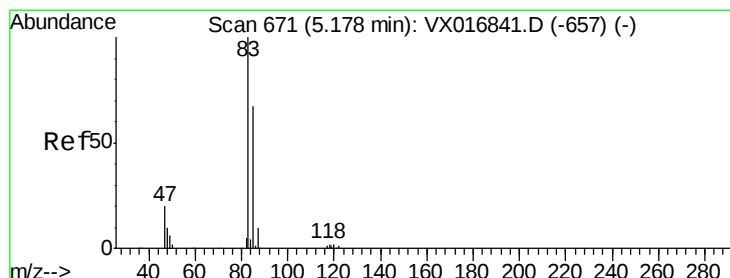
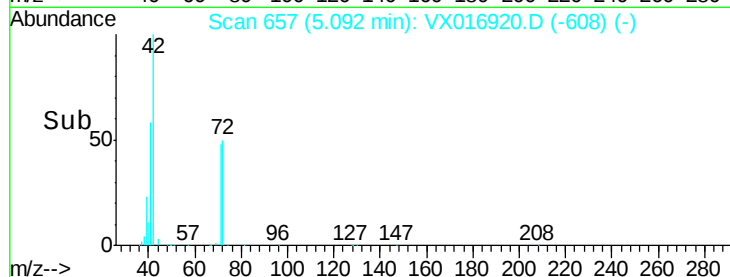
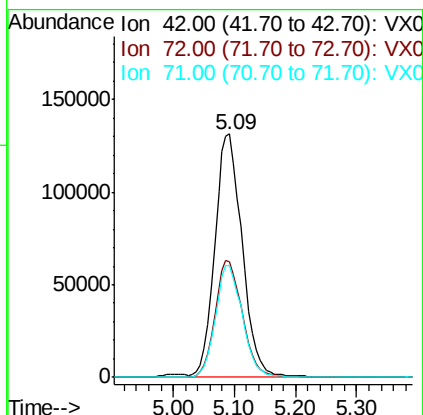
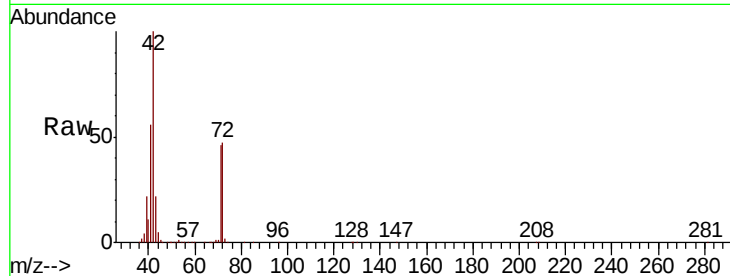




#29
Tetrahydrofuran
Concen: 281.338 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

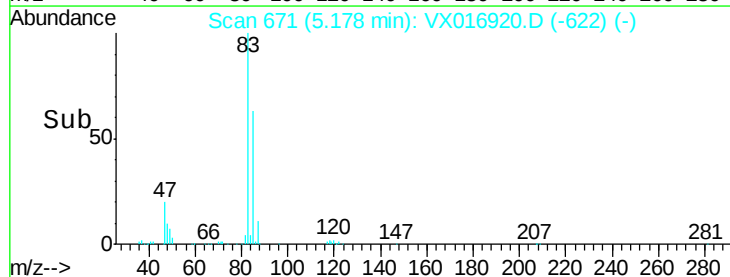
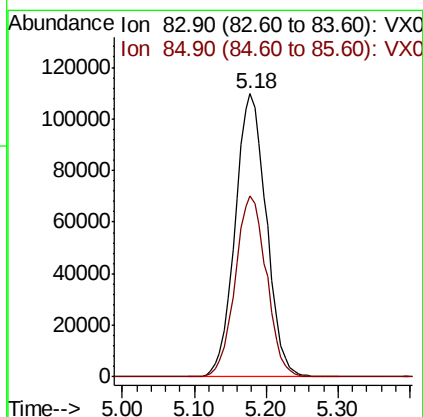
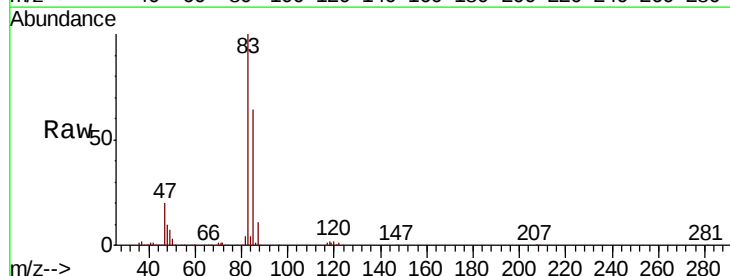
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

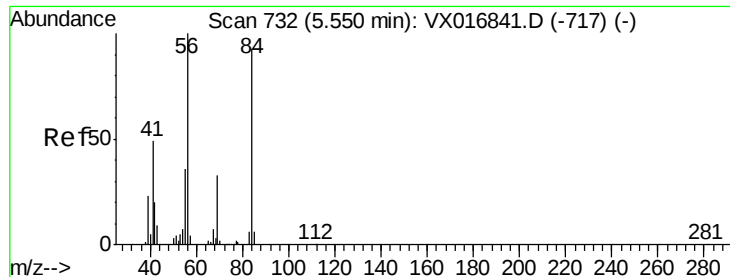
Tot Ion: 42 Resp: 407900
Ion Ratio Lower Upper
42 100
72 48.5 41.1 61.7
71 45.7 38.4 57.6



#30
Chloroform
Concen: 48.151 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 83 Resp: 329484
Ion Ratio Lower Upper
83 100
85 64.1 53.4 80.0





#31

Cvclohexane

Concen: 59.587 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

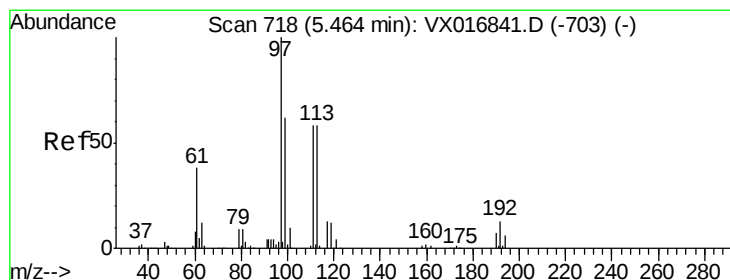
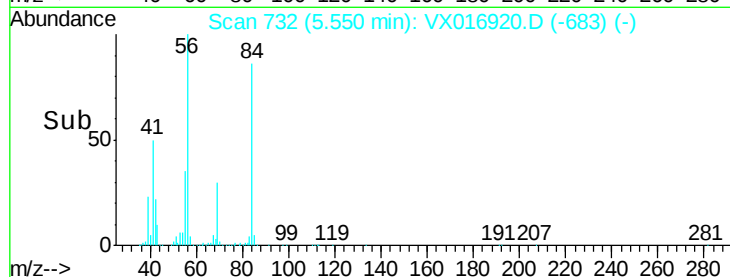
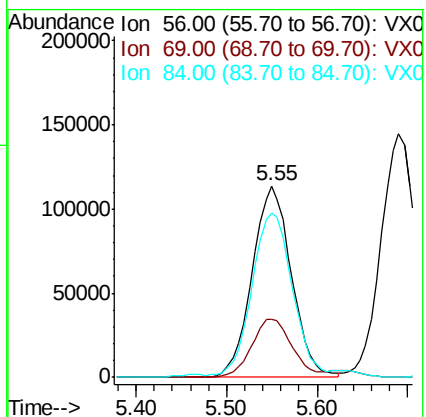
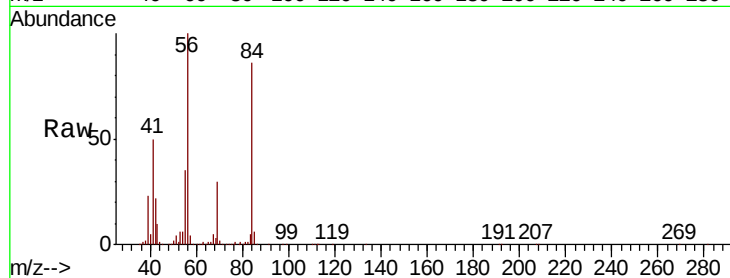
Tot Ion: 56 Resp: 339539

Ion Ratio Lower Upper

56 100

69 30.3 26.1 39.1

84 84.3 73.0 109.6



#32

1,1,1-Trichloroethane

Concen: 49.493 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

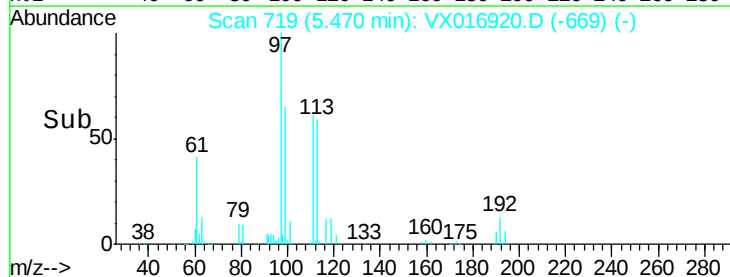
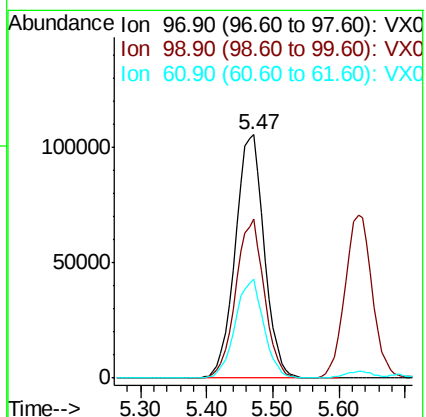
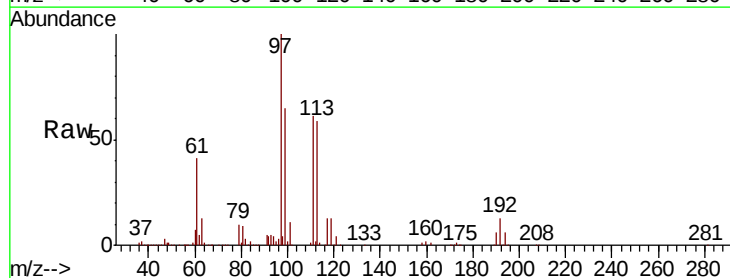
Tgt Ion: 97 Resp: 320535

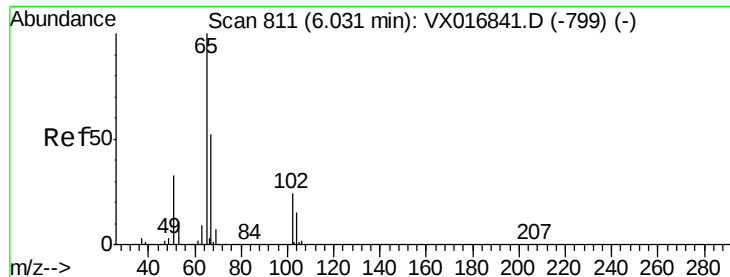
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 40.2 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 46.190 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

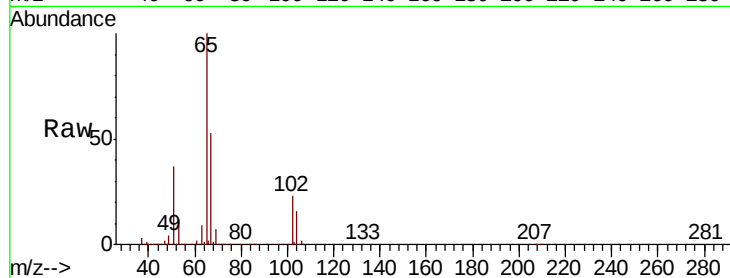
VSTDCCC050EC

Tot Ion: 65 Resp: 212838

Ion Ratio Lower Upper

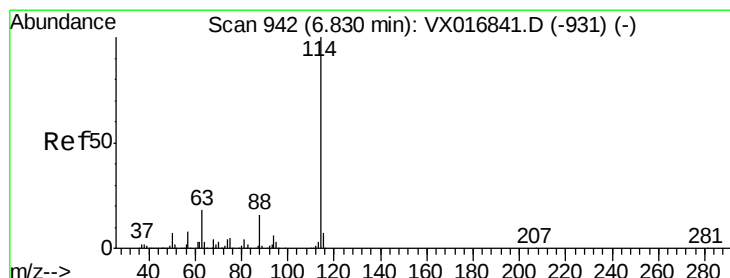
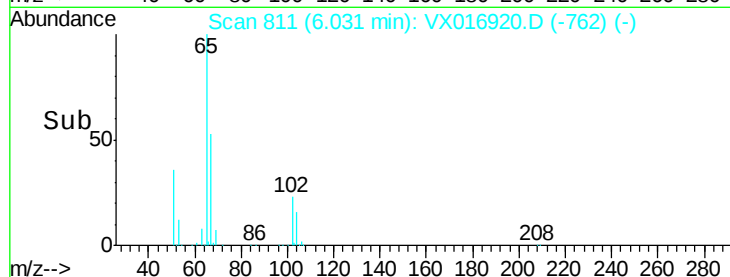
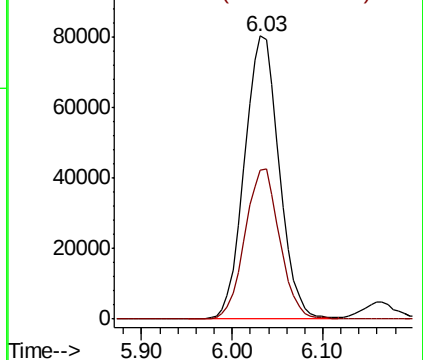
65 100

67 53.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

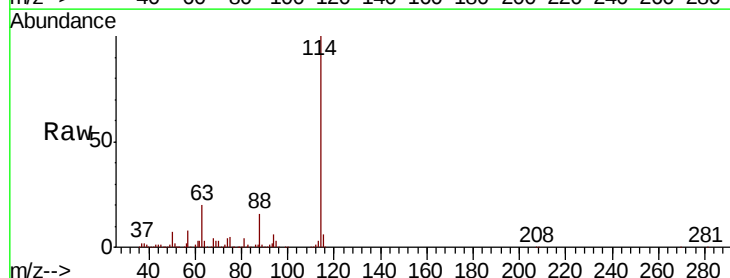
Tgt Ion: 114 Resp: 617772

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.0

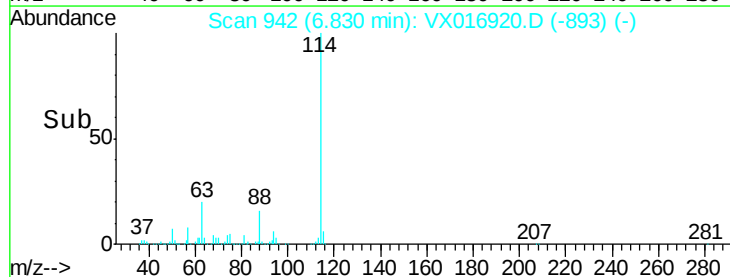
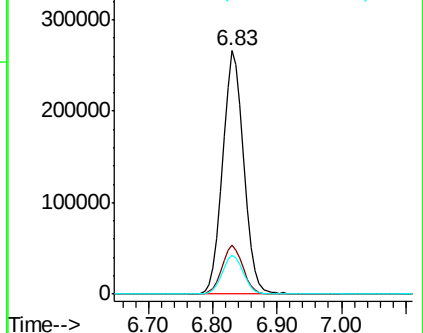
88 16.0 0.0 32.0

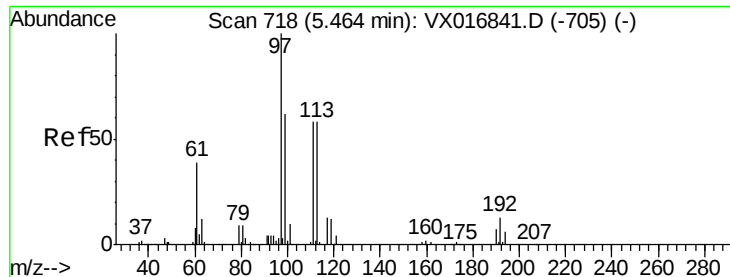


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

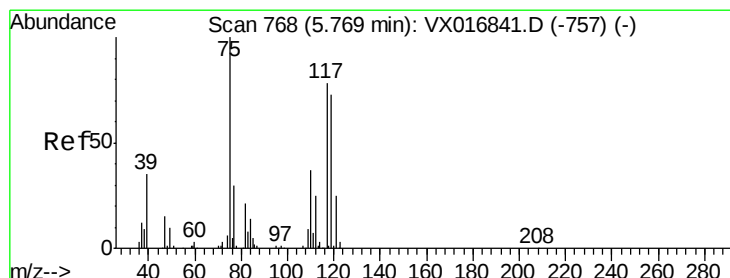
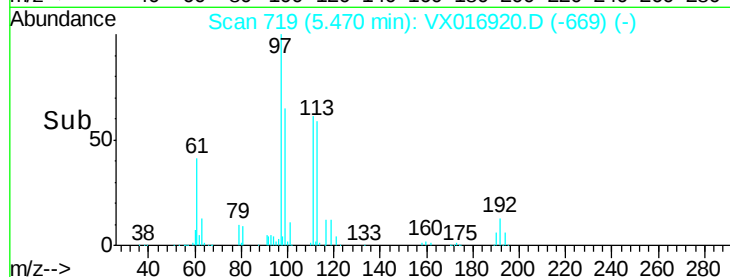
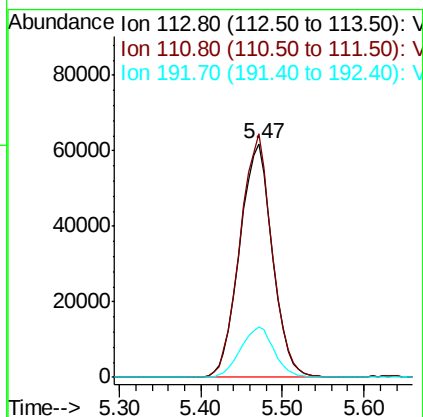
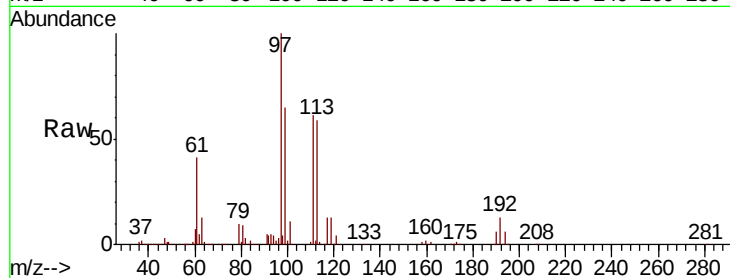




#35
 Dibromofluoromethane
 Concen: 43.792 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

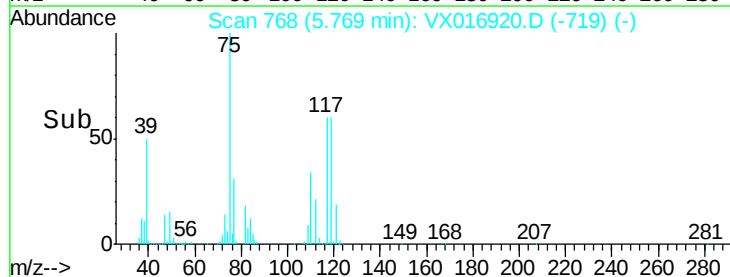
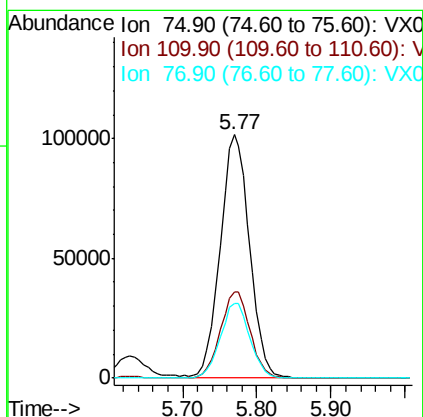
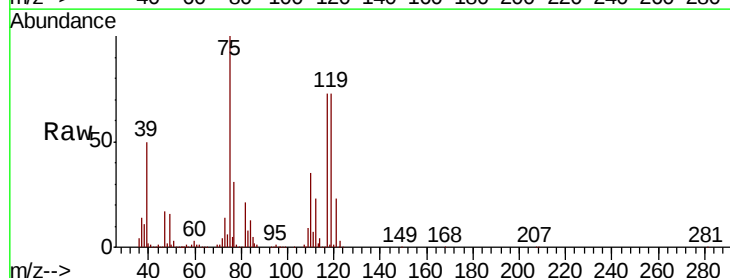
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

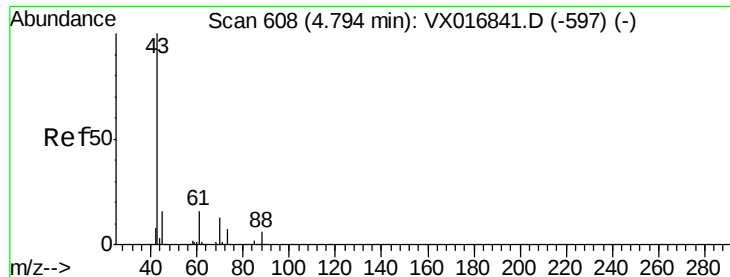
Tot Ion:113 Resp: 173062
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.4
 192 22.1 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 48.631 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion: 75 Resp: 277397
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.9 56.9
 77 30.9 25.6 38.4





#37

Ethyl Acetate

Concen: 48.970 ug/l

RT: 4.79 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

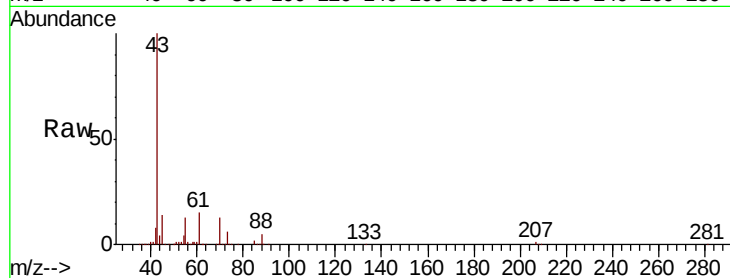
Tot Ion: 43 Resp: 246801

Ion Ratio Lower Upper

43 100

61 14.8 12.2 18.2

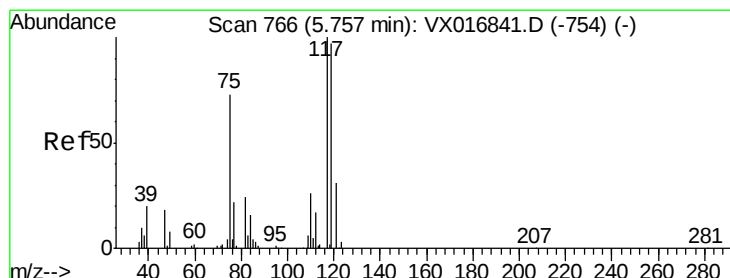
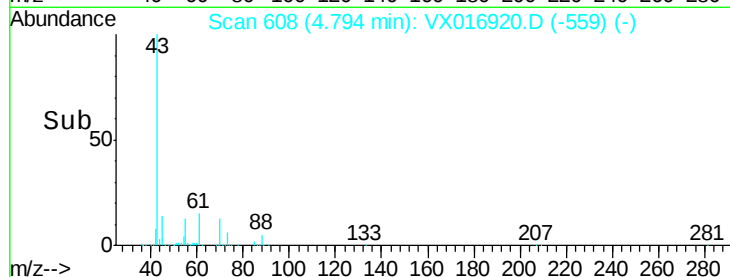
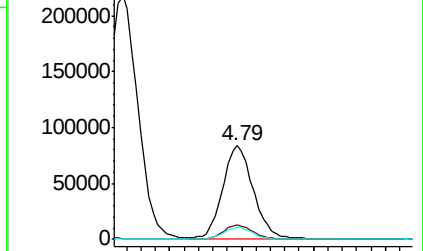
70 12.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX016841.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX016841.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX016841.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 45.233 ug/l

RT: 5.76 min Scan# 766

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

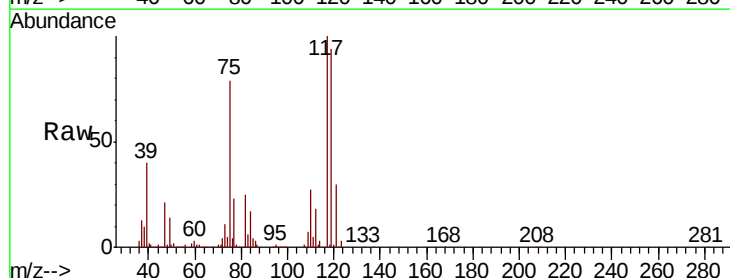
Tgt Ion: 117 Resp: 289500

Ion Ratio Lower Upper

117 100

119 94.2 77.4 116.2

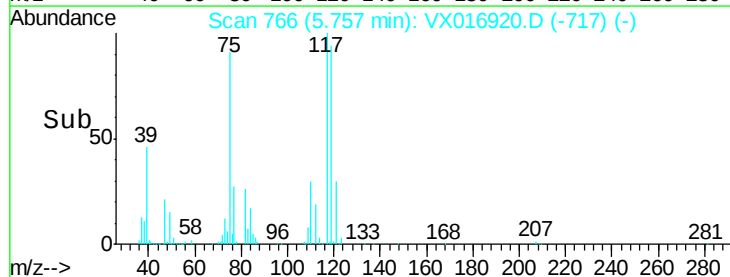
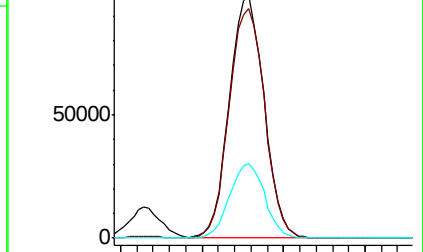
121 30.5 24.7 37.1

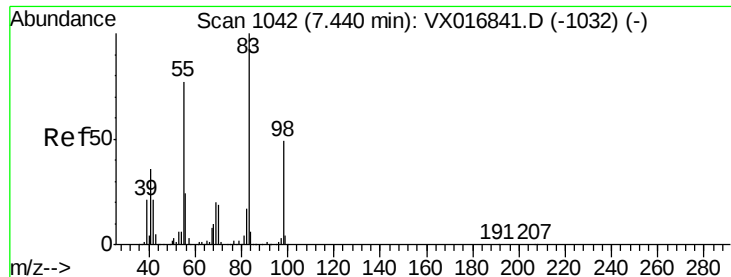


Abundance Ion 116.80 (116.50 to 117.50): VX016841.D (-754) (-)

Ion 118.80 (118.50 to 119.50): VX016841.D (-754) (-)

Ion 120.80 (120.50 to 121.50): VX016841.D (-754) (-)

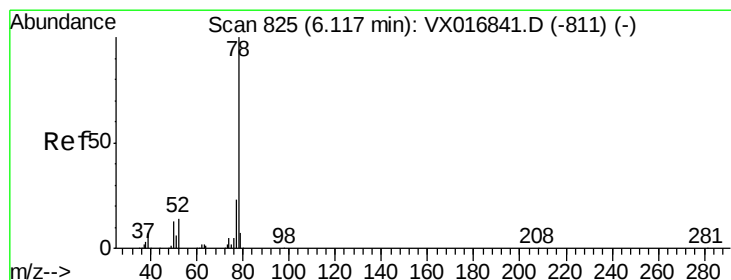
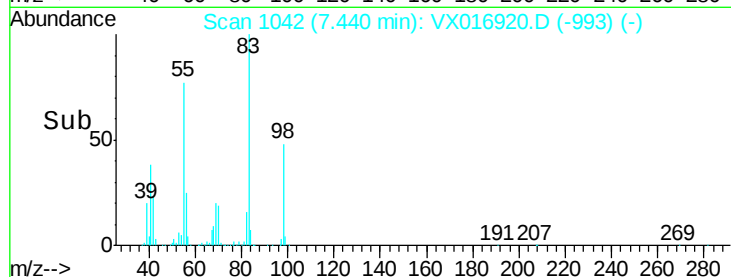
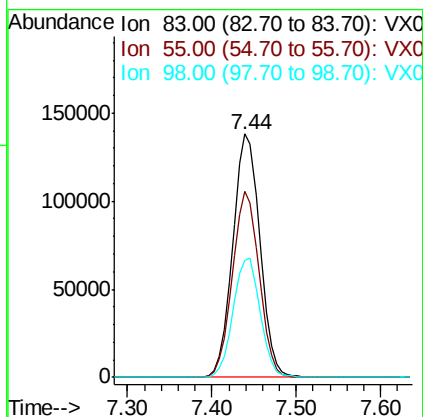
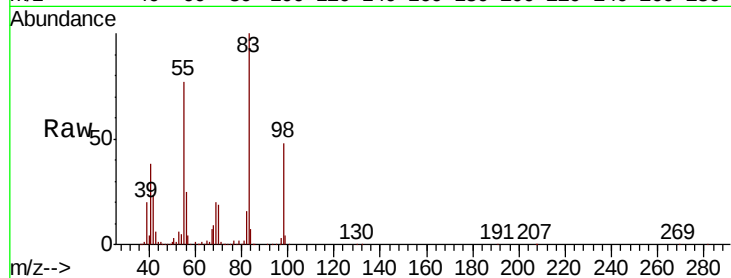




#39
Methvlcvclohexane
Concen: 45.198 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

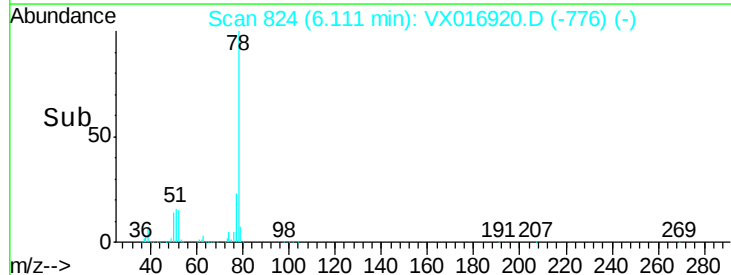
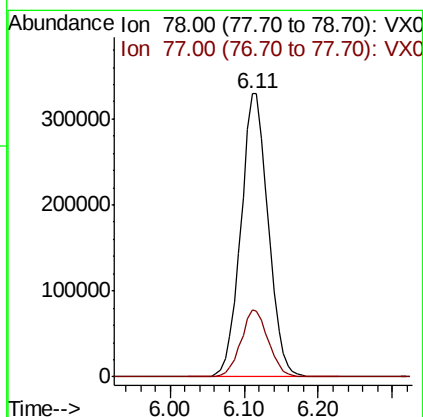
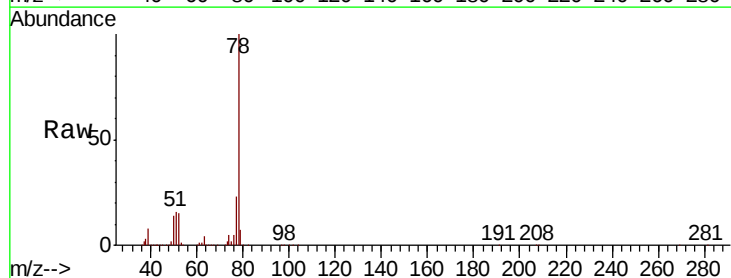
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

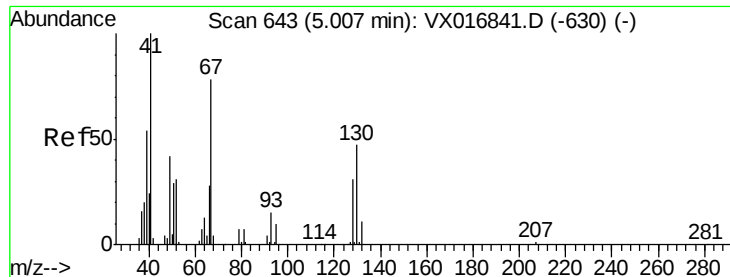
Tot Ion: 83 Resp: 299771
Ion Ratio Lower Upper
83 100
55 76.5 61.7 92.5
98 48.2 39.0 58.6



#40
Benzene
Concen: 49.726 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 78 Resp: 851080
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 52.465 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 143548

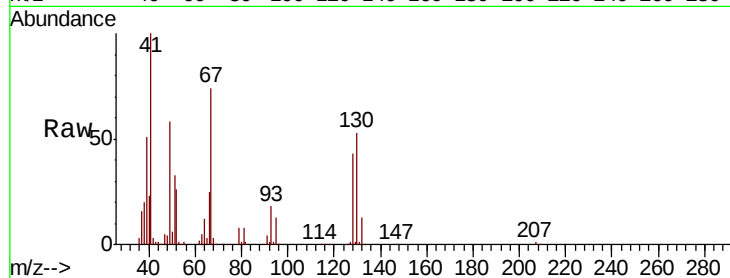
Ion Ratio Lower Upper

41 100

39 52.8 42.6 64.0

67 76.2 64.2 96.2

52 28.4 25.6 38.4

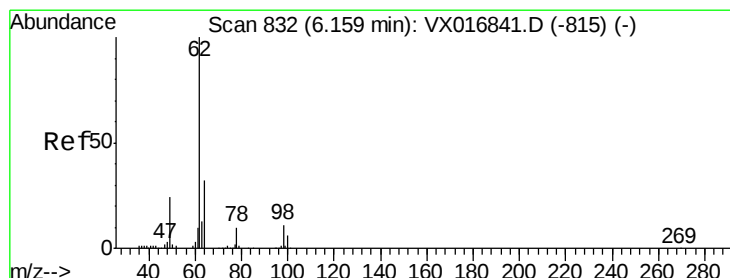
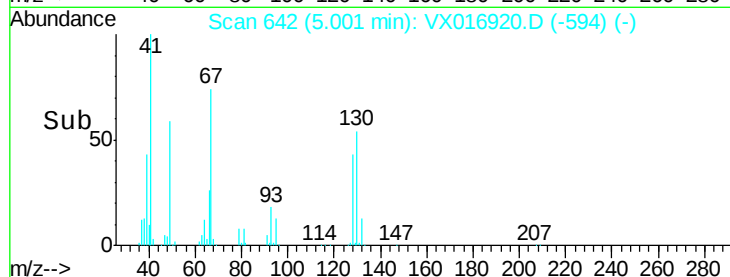
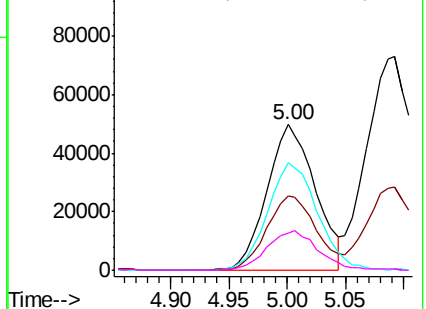


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 46.552 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX016920.D

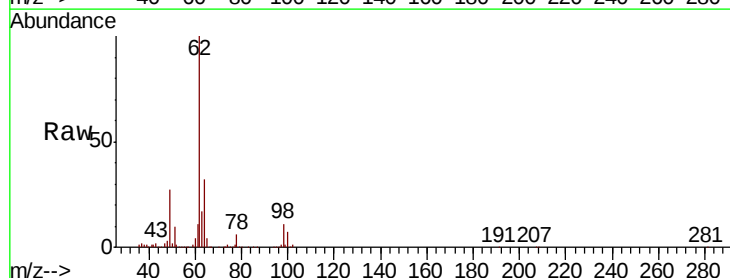
Acq: 20 Jun 2020 09:40

Tgt Ion: 62 Resp: 283521

Ion Ratio Lower Upper

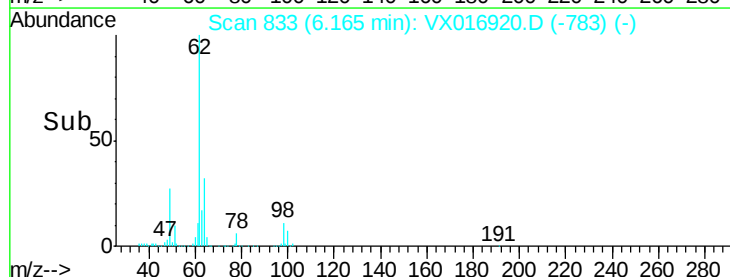
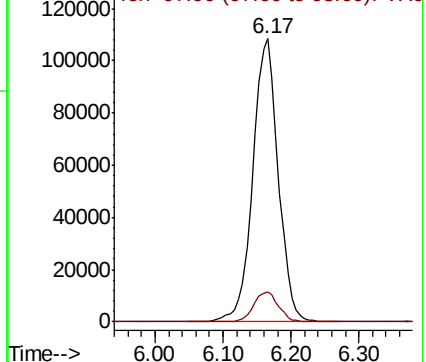
62 100

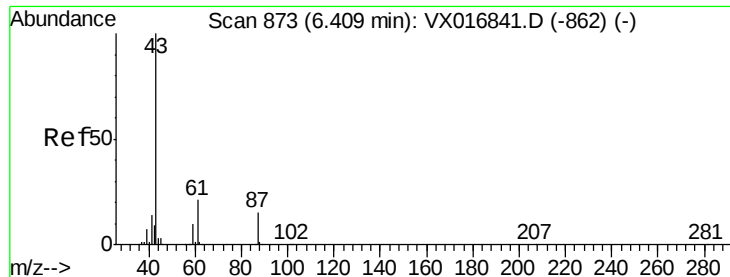
98 10.5 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 55.243 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

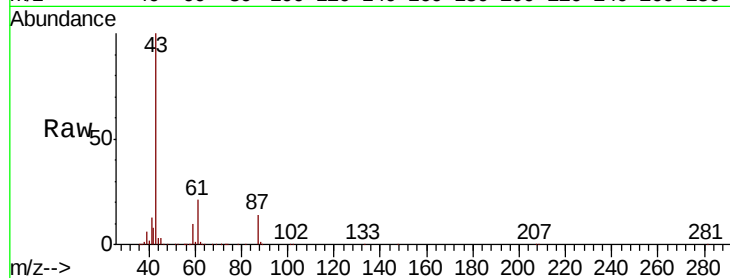
Tot Ion: 43 Resp: 486196

Ion Ratio Lower Upper

43 100

61 21.7 17.9 26.9

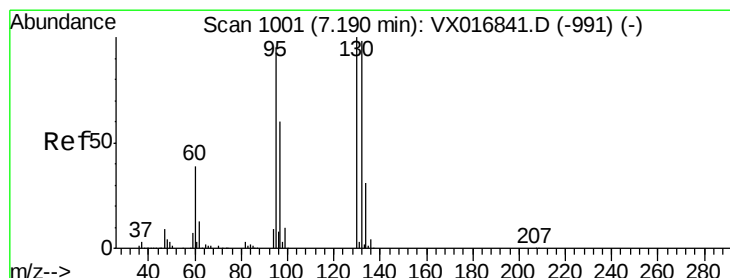
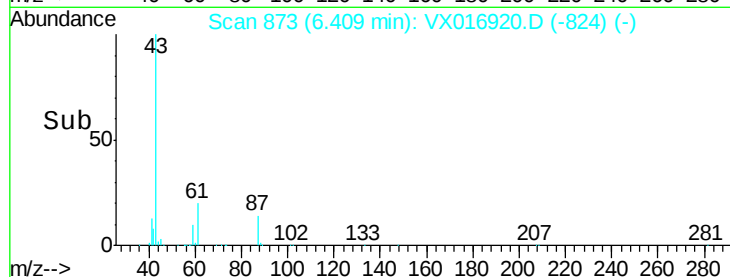
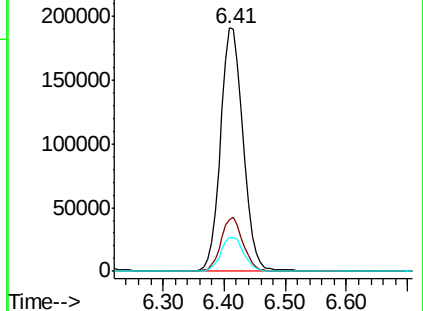
87 14.4 12.4 18.6



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: 44.628 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016920.D

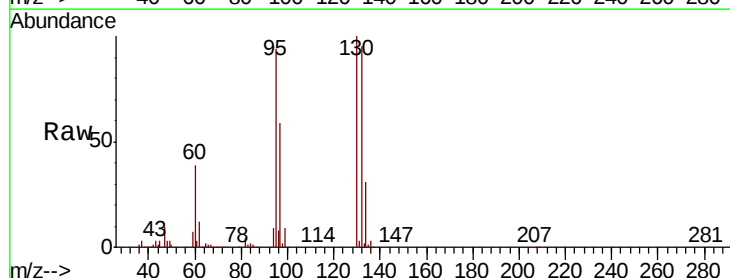
Acq: 20 Jun 2020 09:40

Tgt Ion:130 Resp: 233929

Ion Ratio Lower Upper

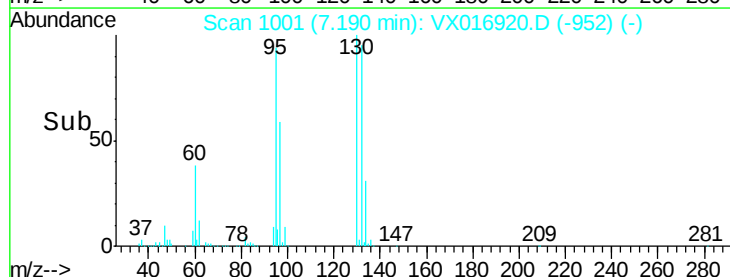
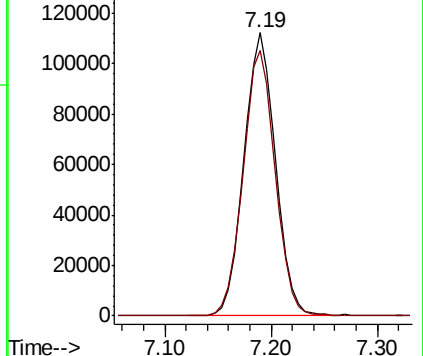
130 100

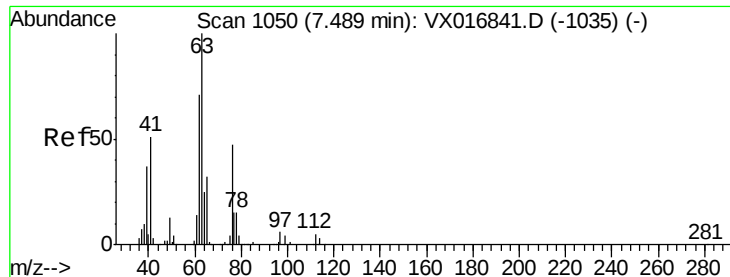
95 93.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.637 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

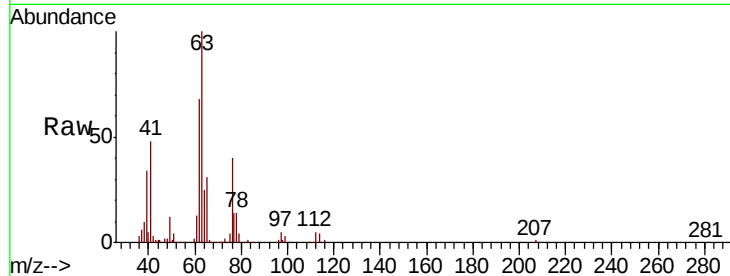
VSTDCCC050EC

Tot Ion: 63 Resp: 213569

Ion Ratio Lower Upper

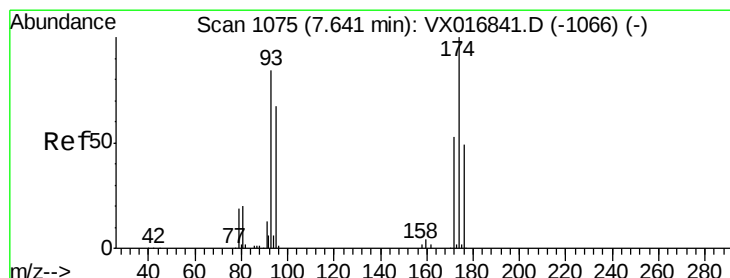
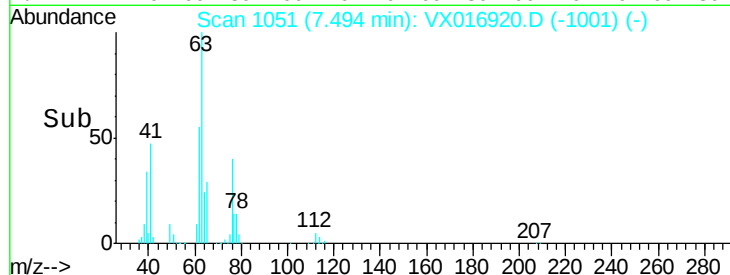
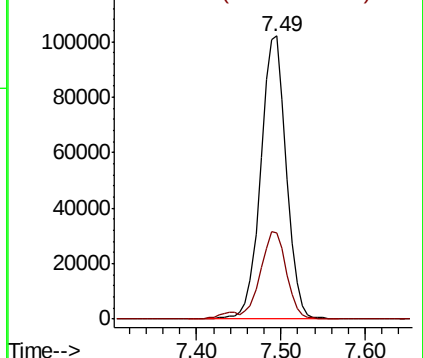
63 100

65 30.6 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.497 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

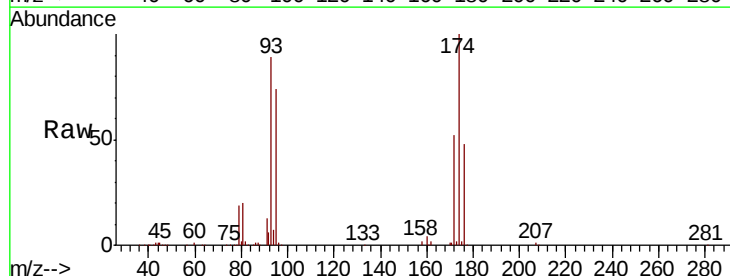
Tgt Ion: 93 Resp: 144425

Ion Ratio Lower Upper

93 100

95 83.0 65.7 98.5

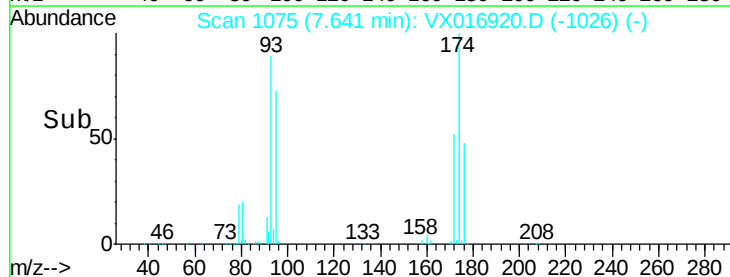
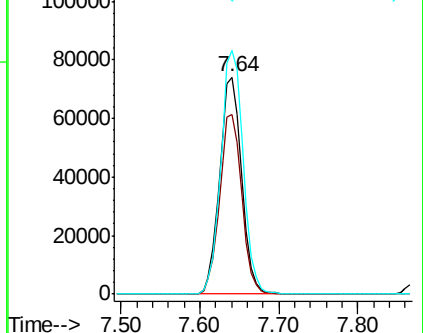
174 113.4 92.8 139.2

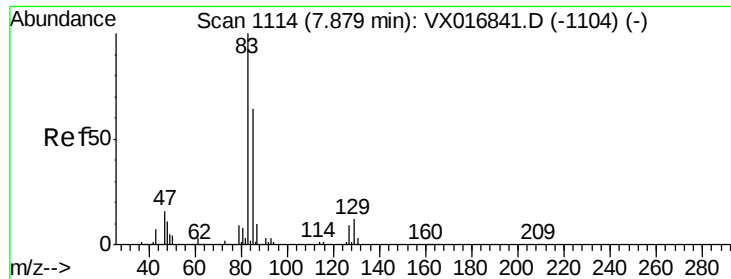


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.713 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

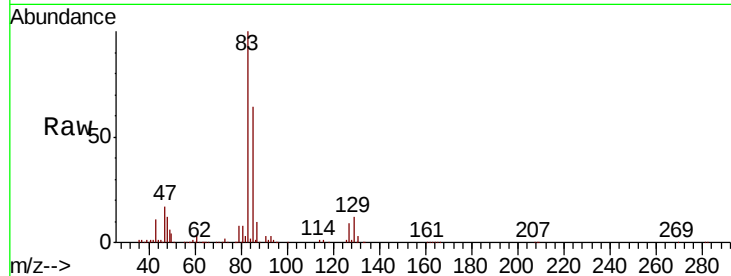
Tot Ion: 83 Resp: 296096

Ion Ratio Lower Upper

83 100

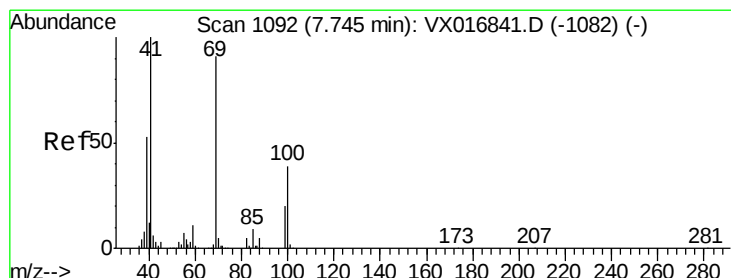
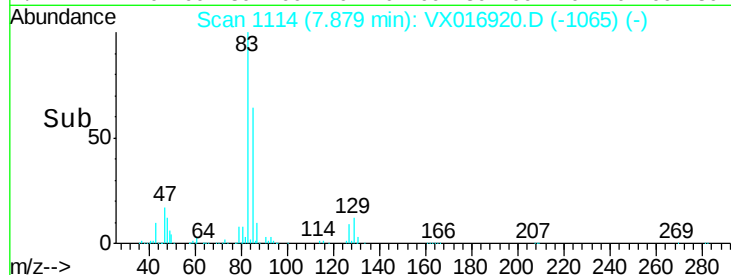
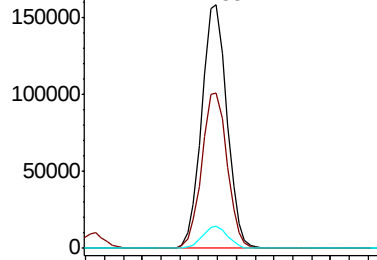
85 63.5 50.9 76.3

127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

7.88



#48

Methyl methacrylate

Concen: 55.644 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

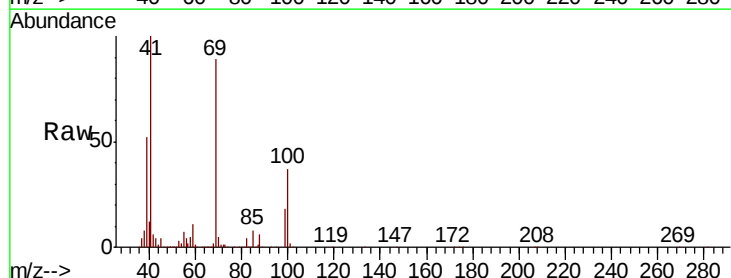
Tgt Ion: 41 Resp: 230606

Ion Ratio Lower Upper

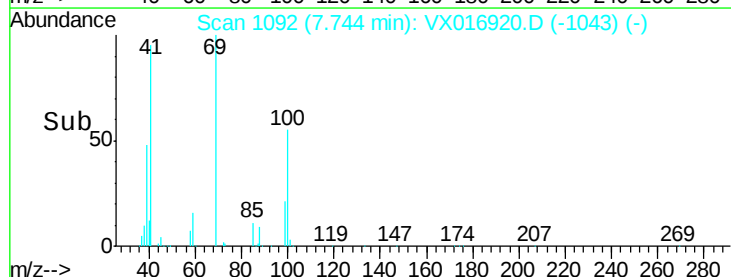
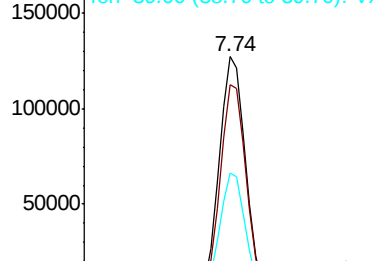
41 100

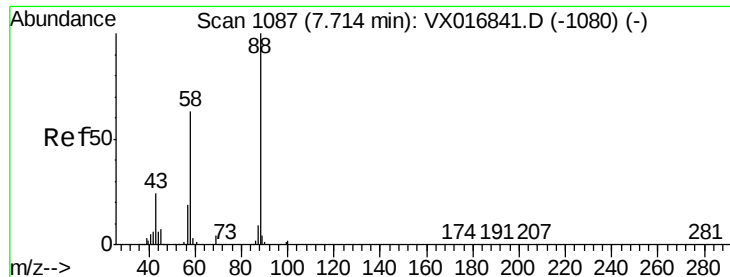
69 88.5 73.3 109.9

39 52.1 42.4 63.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1061.774 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

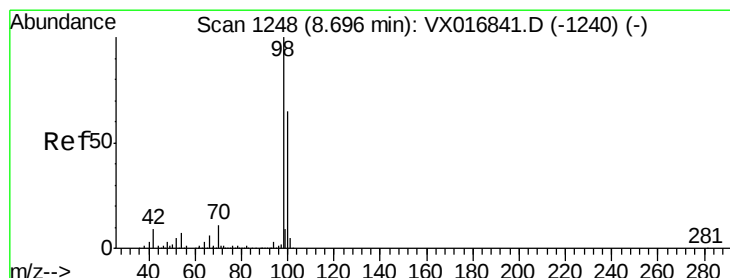
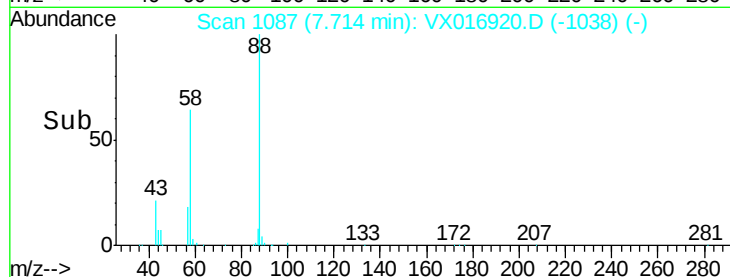
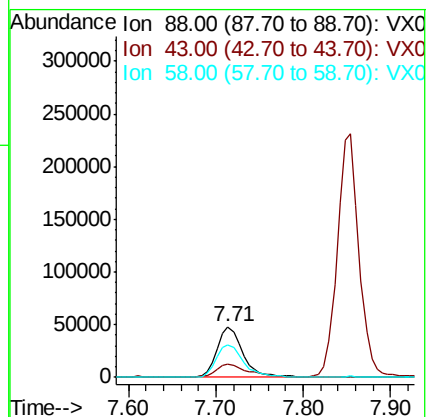
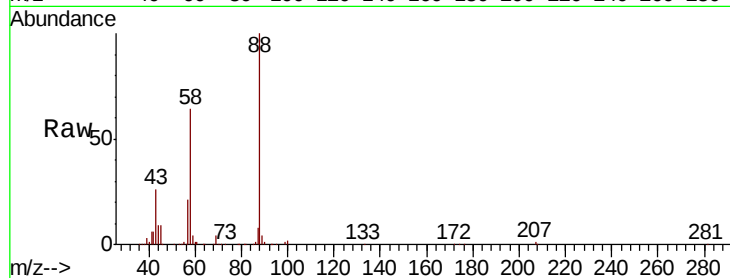
Tot Ion: 88 Resp: 98502

Ion Ratio Lower Upper

88 100

43 28.7 22.7 34.1

58 68.9 53.1 79.7



#50

Toluene-d8

Concen: 41.946 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016920.D

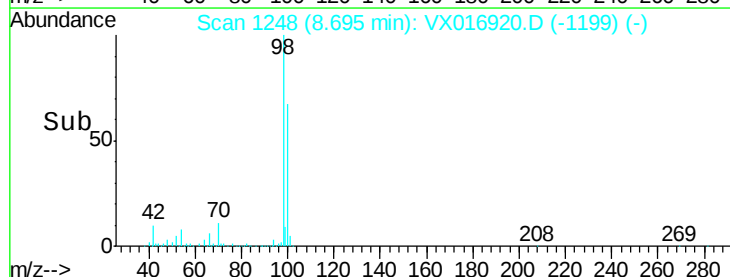
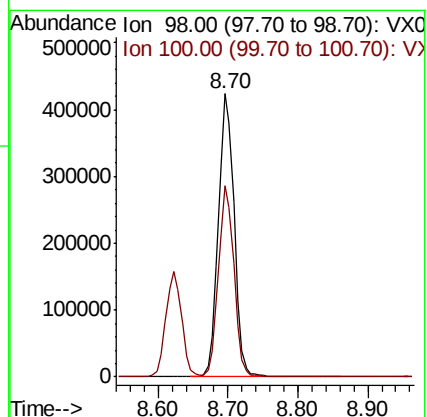
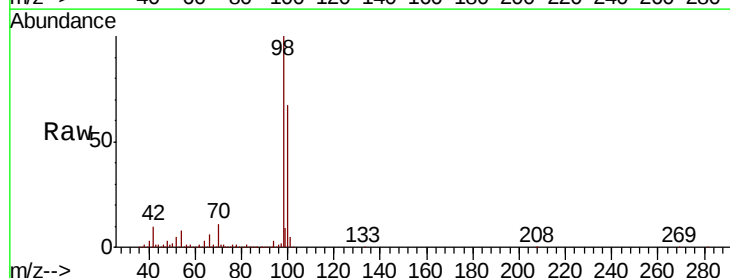
Acq: 20 Jun 2020 09:40

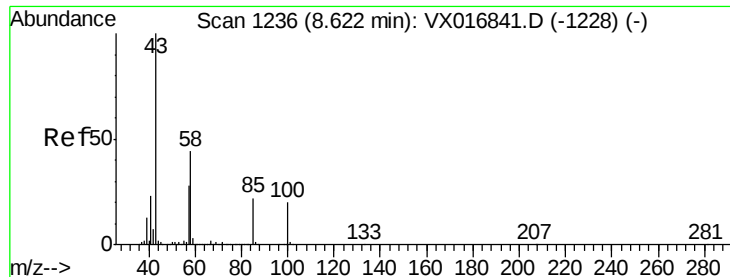
Tgt Ion: 98 Resp: 663200

Ion Ratio Lower Upper

98 100

100 66.8 54.0 81.0

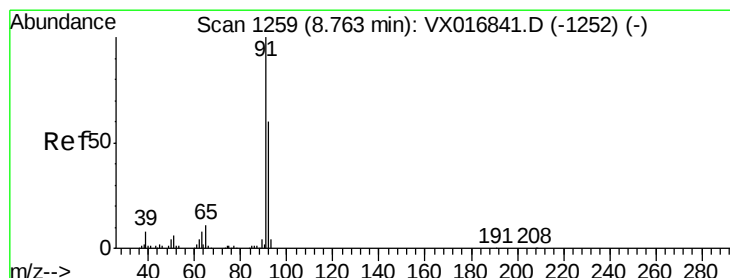
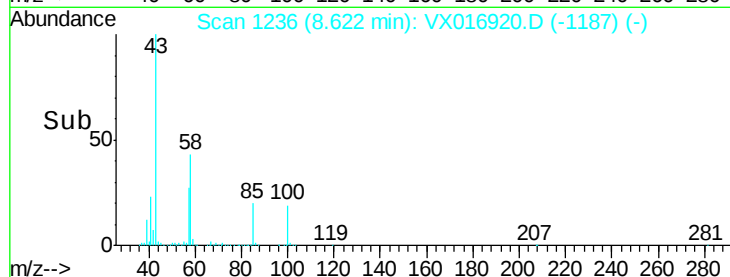
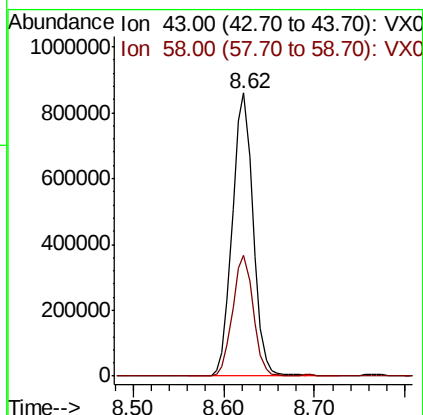
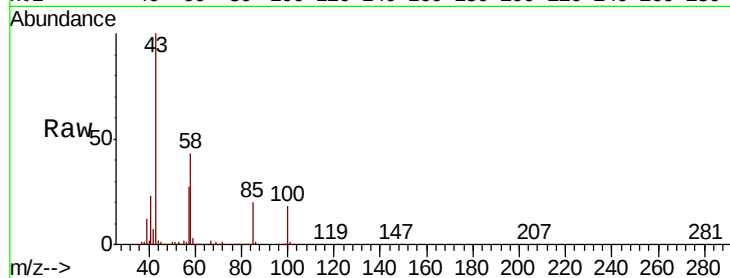




#51
4-Methyl-2-Pentanone
Concen: 258.903 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

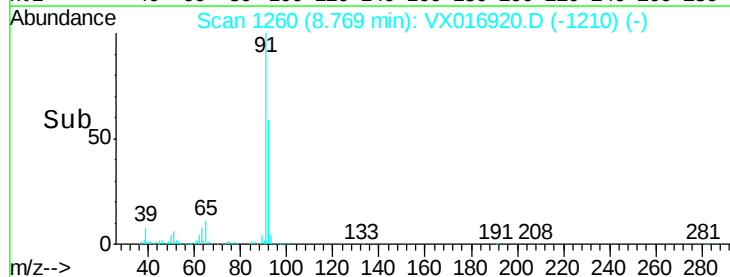
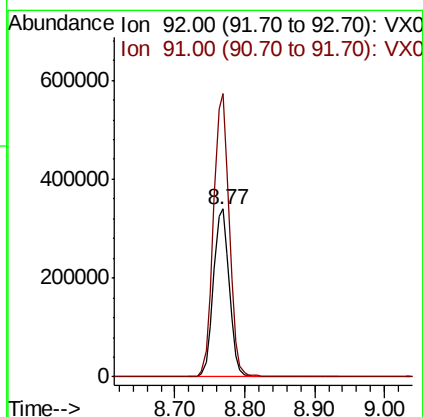
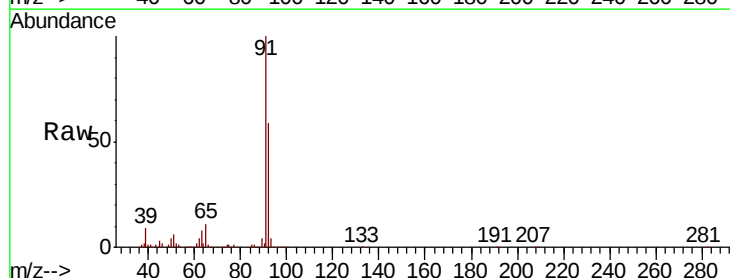
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

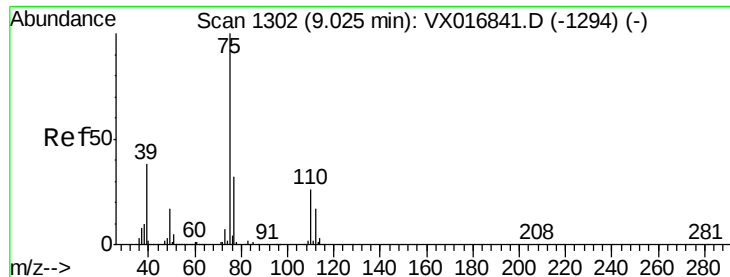
Tot Ion: 43 Resp: 1370502
Ion Ratio Lower Upper
43 100
58 42.4 34.3 51.5



#52
Toluene
Concen: 47.225 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 92 Resp: 536204
Ion Ratio Lower Upper
92 100
91 167.4 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 45.790 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

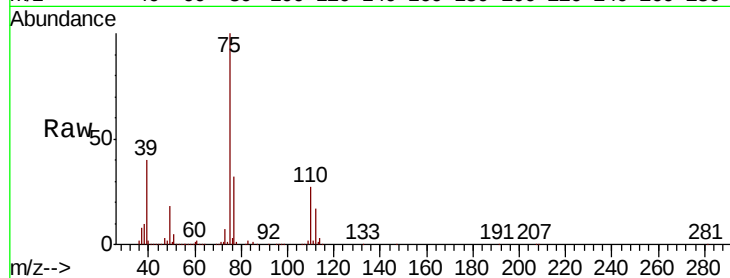
VSTDCCC050EC

Tot Ion: 75 Resp: 312397

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

250000

200000

150000

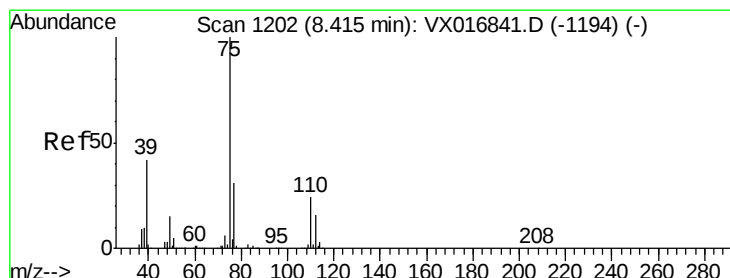
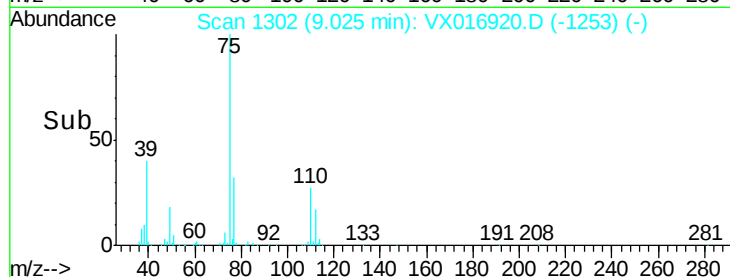
100000

50000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.571 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

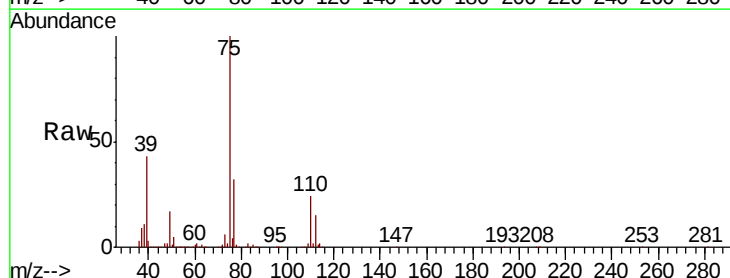
Tgt Ion: 75 Resp: 339906

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 43.4 33.4 50.0



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

300000

250000

200000

150000

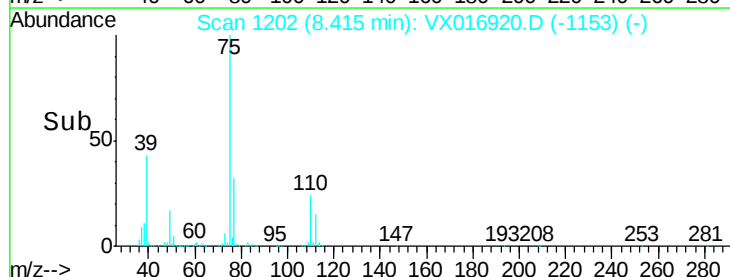
100000

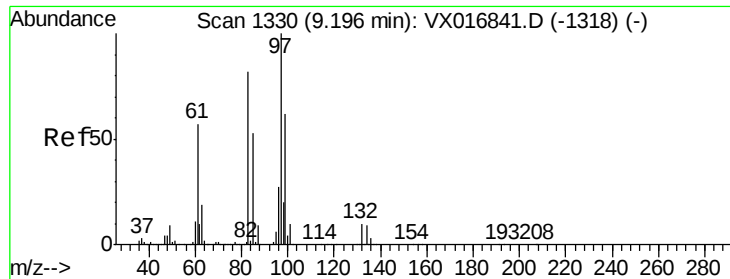
50000

0

8.30 8.40 8.50

Time-->

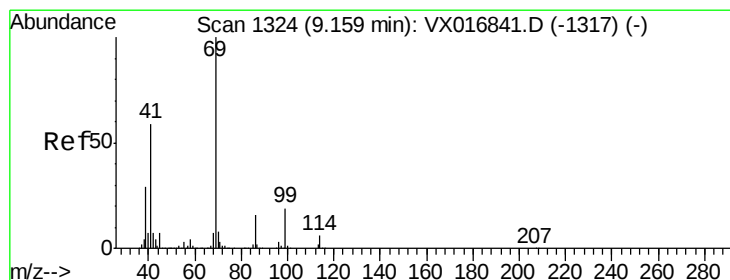
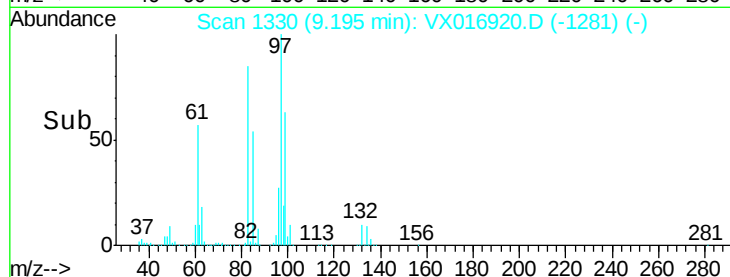
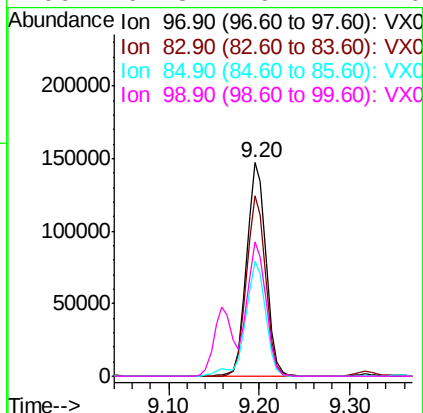
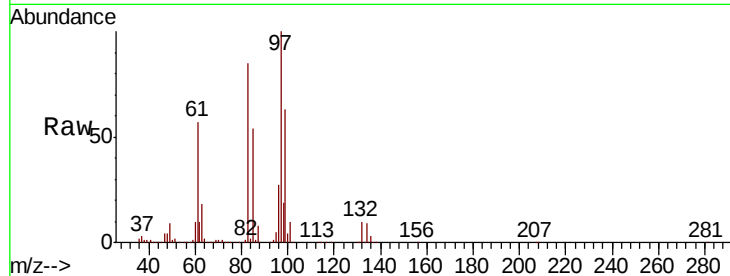




#55
 1,1,2-Trichloroethane
 Concen: 50.740 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

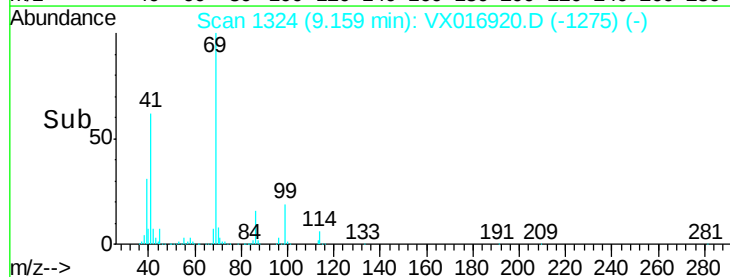
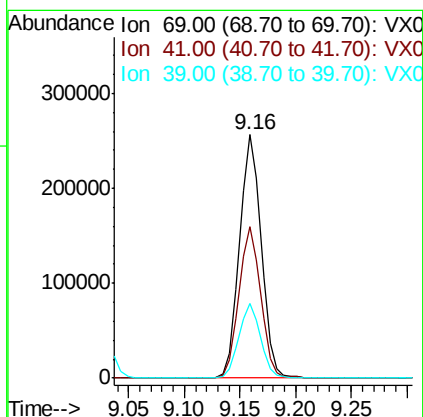
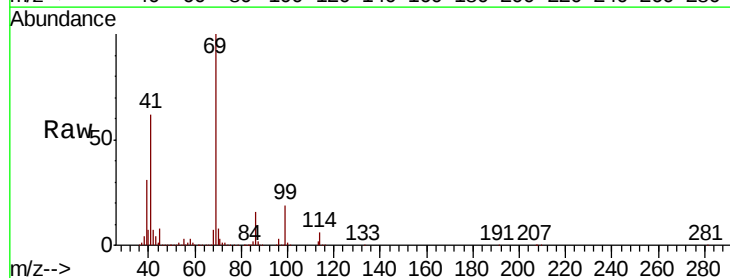
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

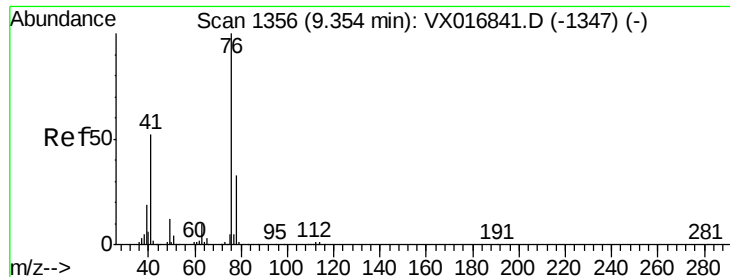
Tot Ion:	97	Resp:	217520
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.5	98.3
85	53.8	42.6	63.8
99	62.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 56.175 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion:	69	Resp:	348625
Ion	Ratio	Lower	Upper
69	100		
41	62.3	47.9	71.9
39	30.4	24.2	36.4





#57

1,3-Dichloropropane

Concen: 50.407 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

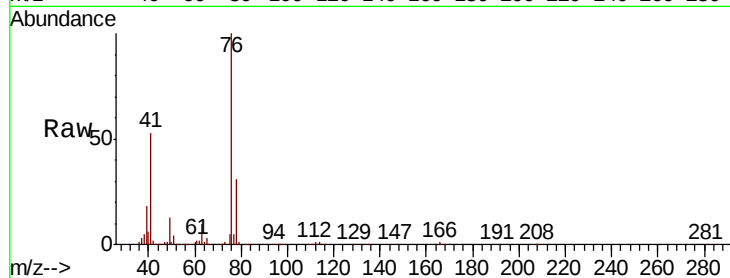
VSTDCCC050EC

Tot Ion: 76 Resp: 366326

Ion Ratio Lower Upper

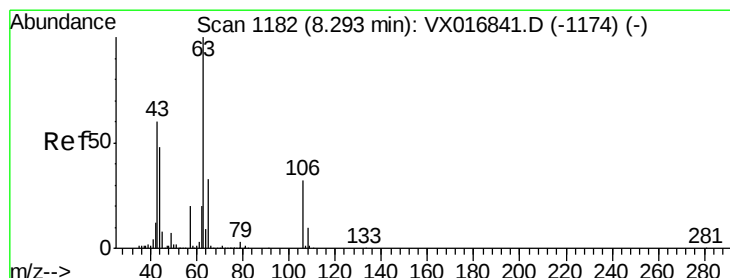
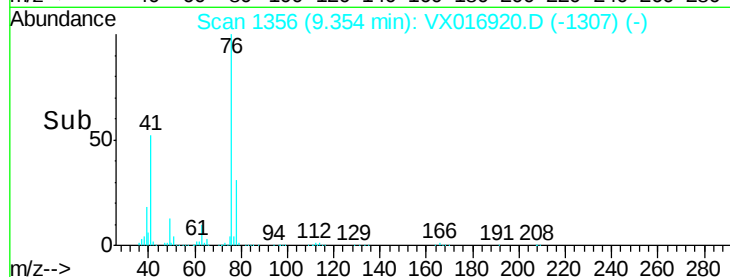
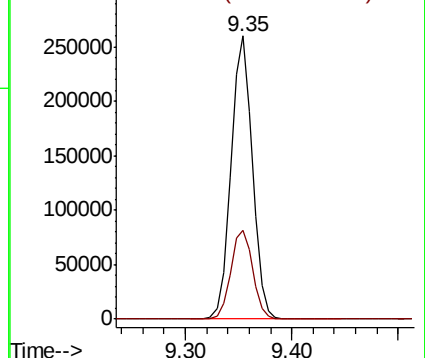
76 100

78 32.4 25.8 38.6



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: 278.515 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016920.D

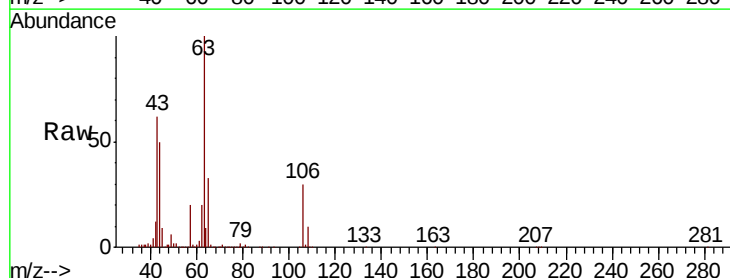
Acq: 20 Jun 2020 09:40

Tgt Ion: 63 Resp: 804262

Ion Ratio Lower Upper

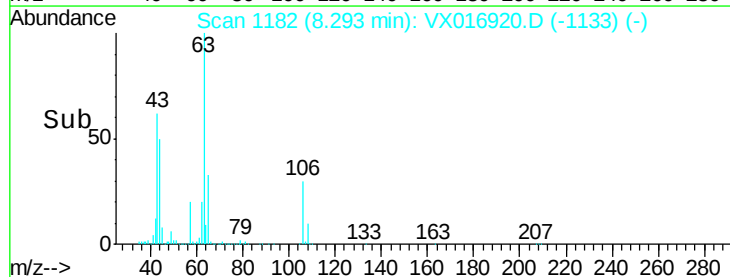
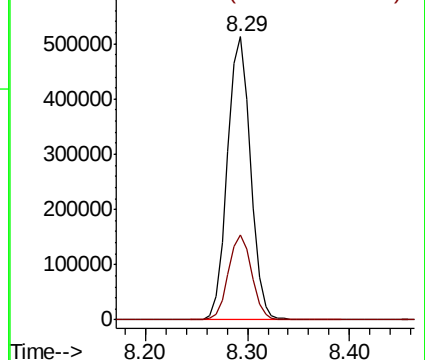
63 100

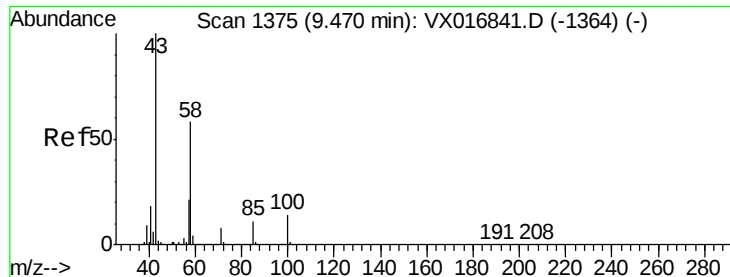
106 30.0 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

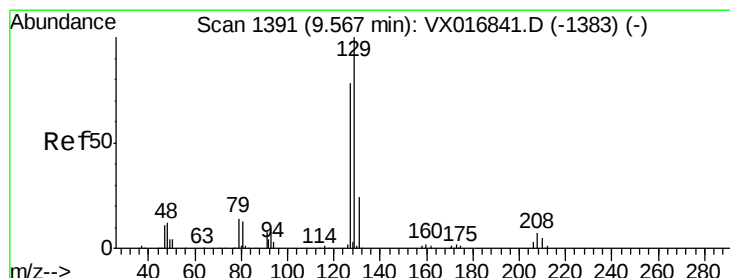
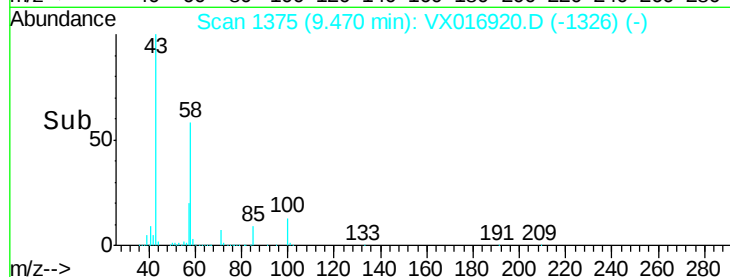
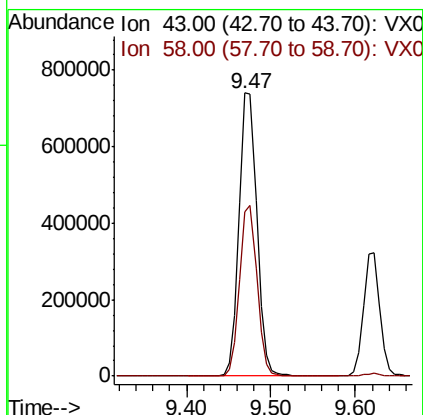
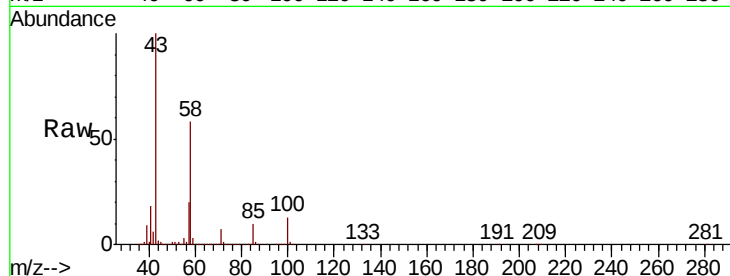




#59
2-Hexanone
Concen: 273.187 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

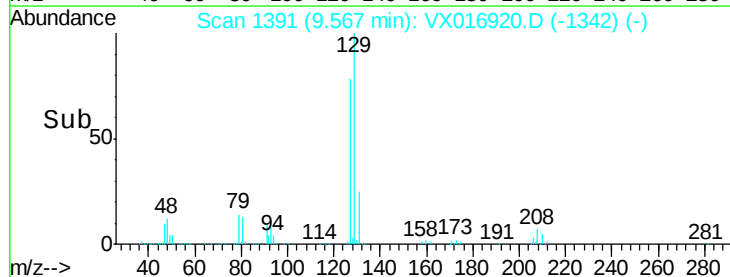
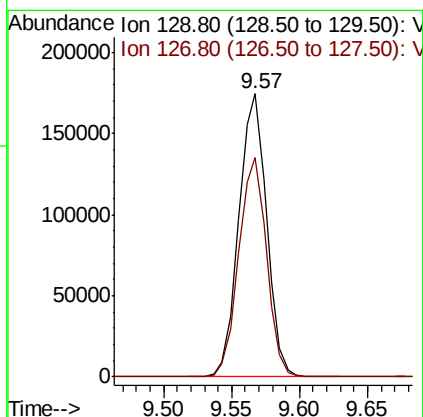
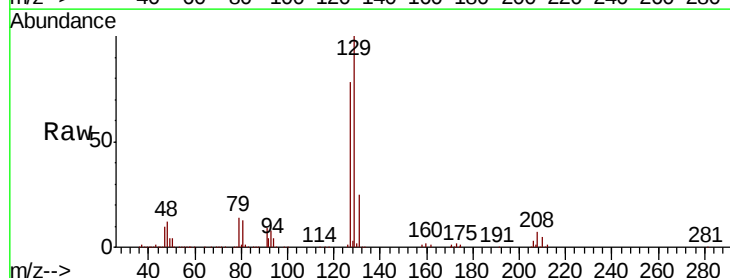
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

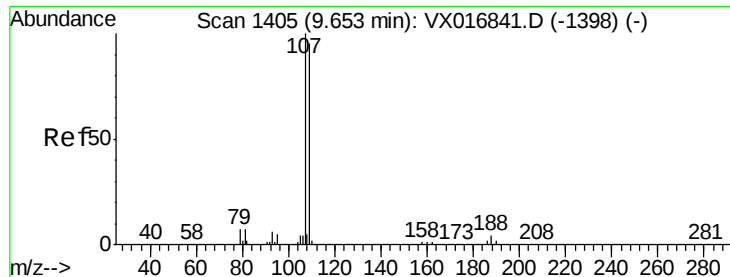
Tot Ion: 43 Resp: 1047228
Ion Ratio Lower Upper
43 100
58 59.1 29.8 89.4



#60
Dibromochloromethane
Concen: 48.274 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 129 Resp: 248257
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.550 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

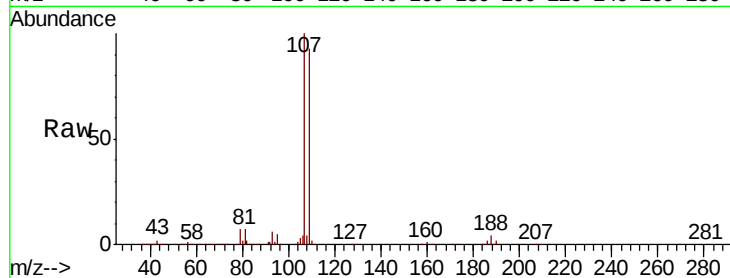
VSTDCCC050EC

Tot Ion:107 Resp: 230518

Ion Ratio Lower Upper

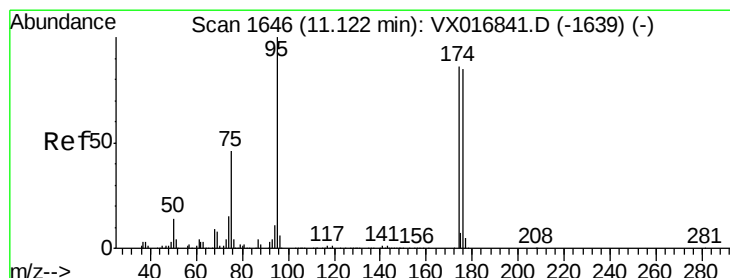
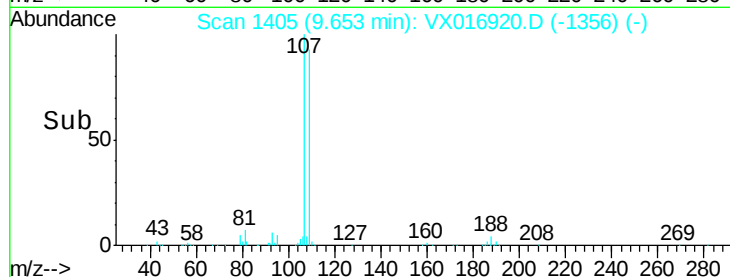
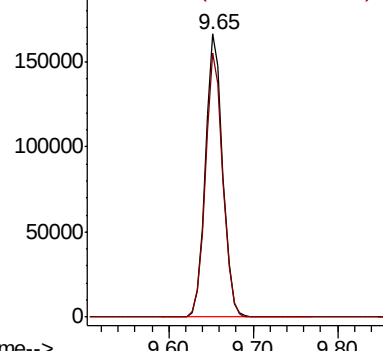
107 100

109 93.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.619 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

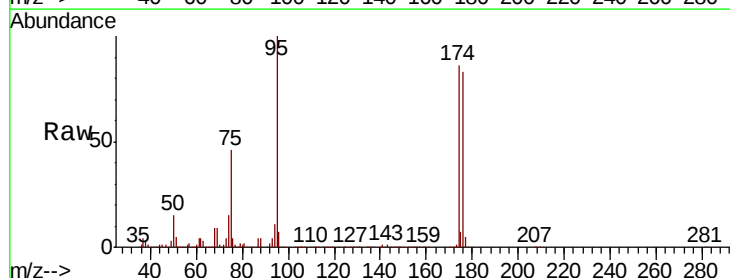
Tgt Ion: 95 Resp: 258182

Ion Ratio Lower Upper

95 100

174 83.4 0.0 174.2

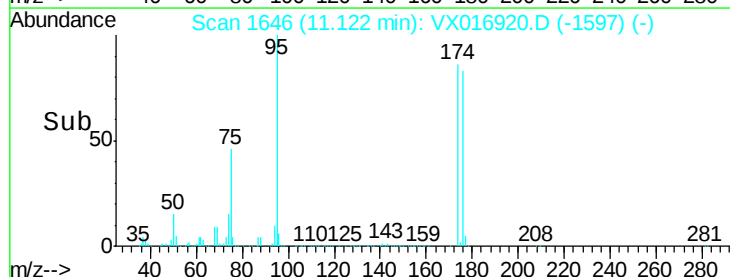
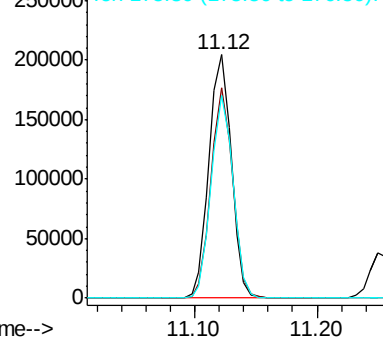
176 81.8 0.0 170.0

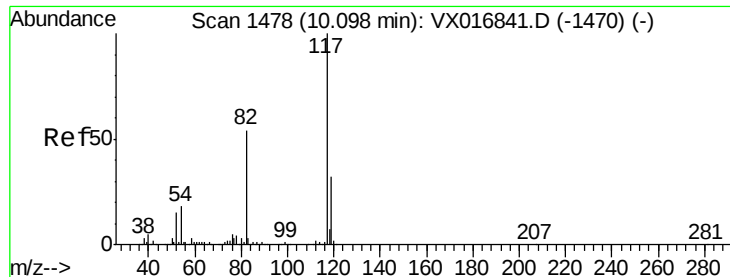


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

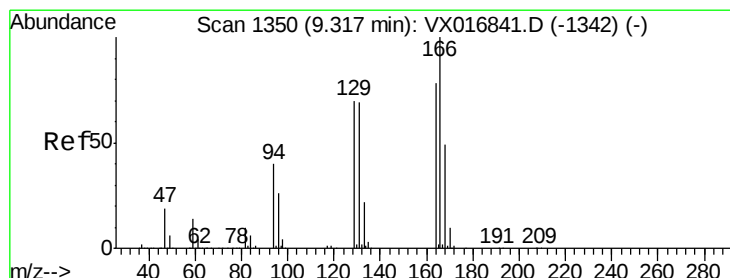
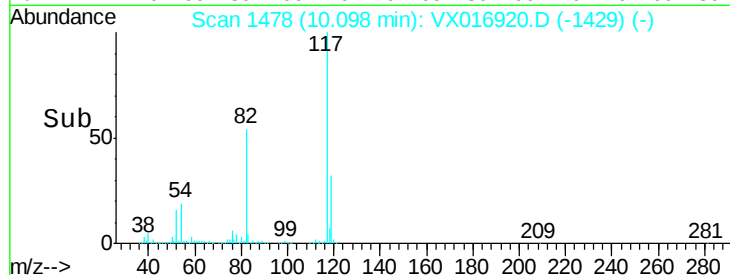
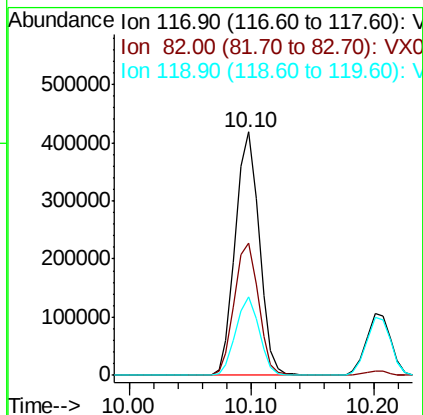
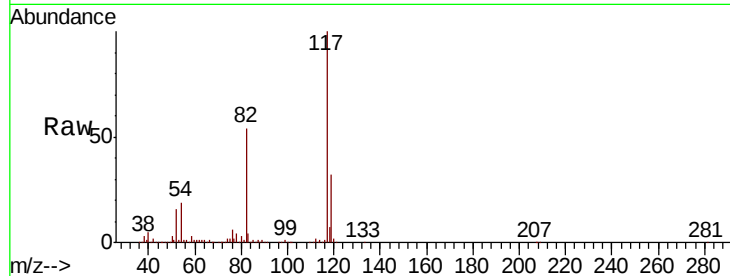




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

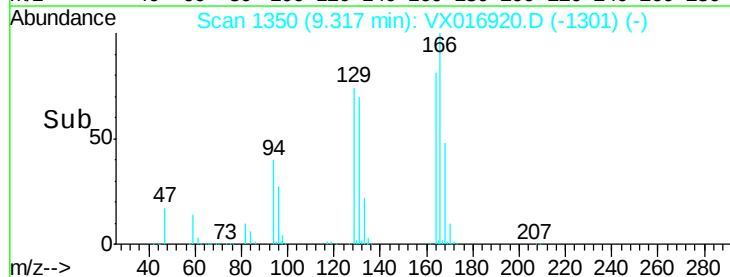
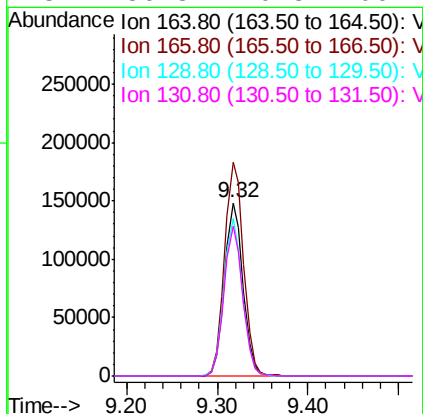
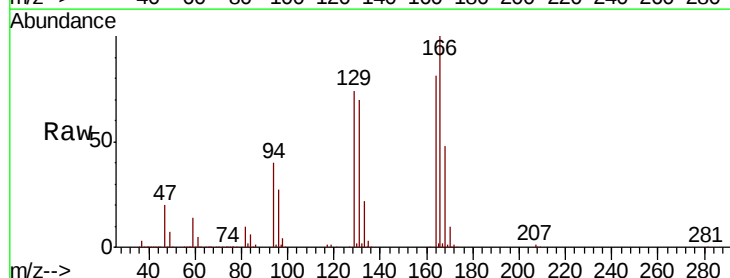
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

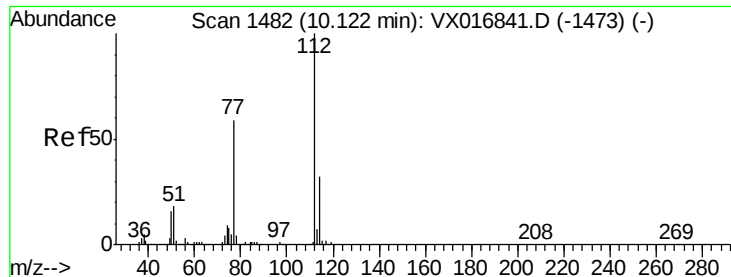
Tot Ion:117 Resp: 566576
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 40.091 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion:164 Resp: 210342
Ion Ratio Lower Upper
164 100
166 123.3 102.6 153.8
129 90.9 72.2 108.2
131 86.3 70.8 106.2





#65

Chlorobenzene

Concen: 49.721 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

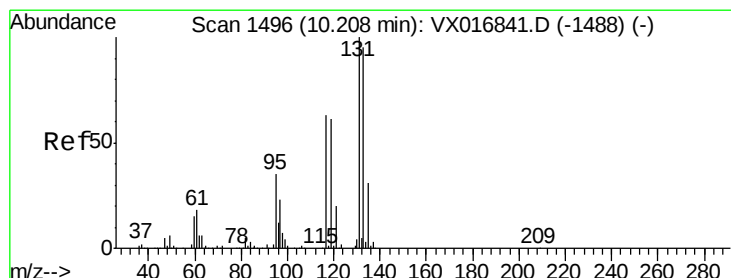
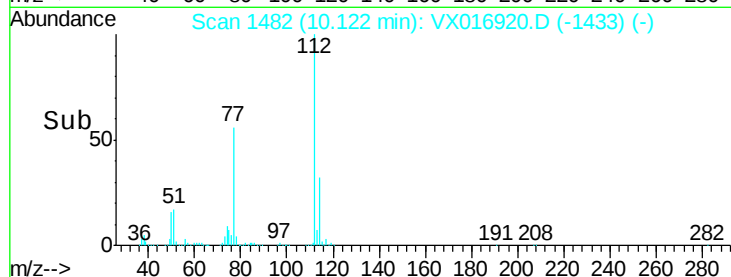
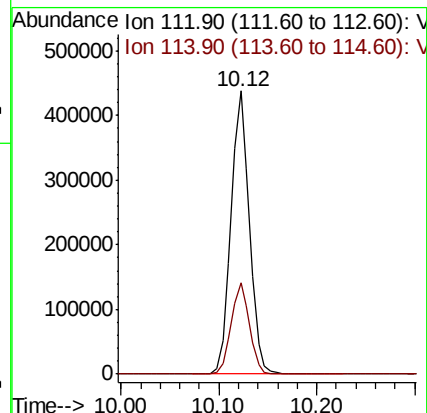
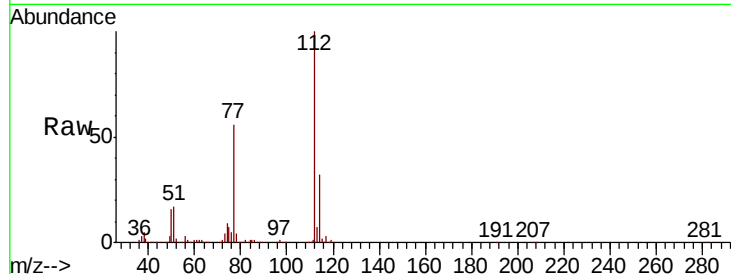
VSTDCCC050EC

Tot Ion:112 Resp: 570452

Ion Ratio Lower Upper

112 100

114 32.4 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 49.049 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

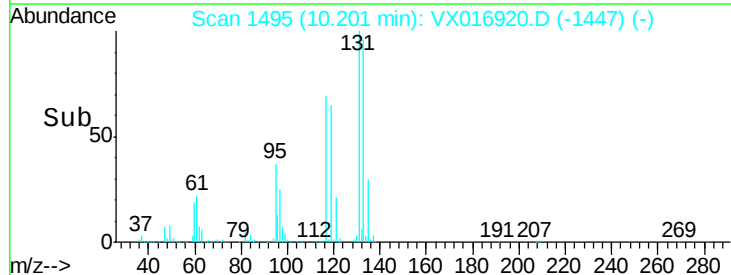
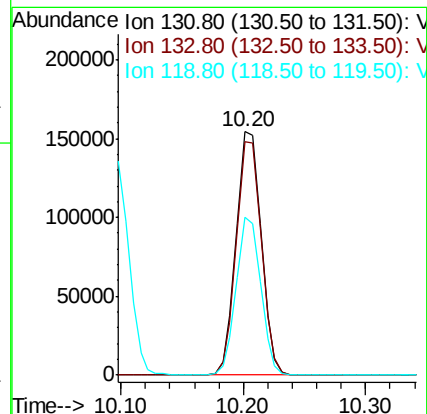
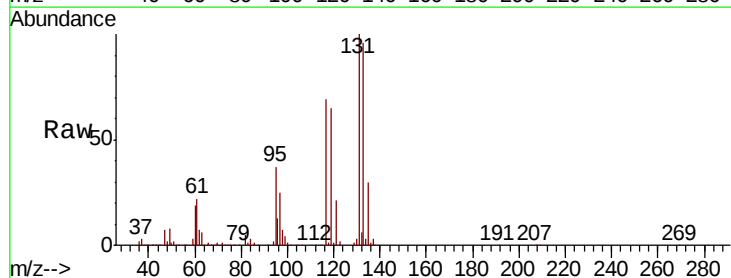
Tgt Ion:131 Resp: 218097

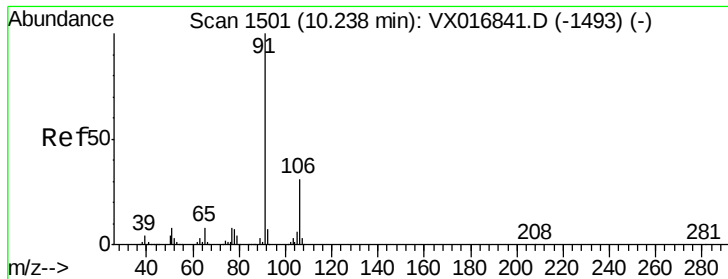
Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

119 63.6 30.8 92.4





#67

Ethyl Benzene

Concen: 49.874 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

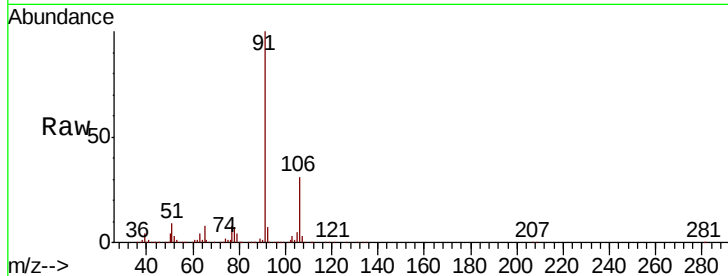
VSTDCCC050EC

Tot Ion: 91 Resp: 965446

Ion Ratio Lower Upper

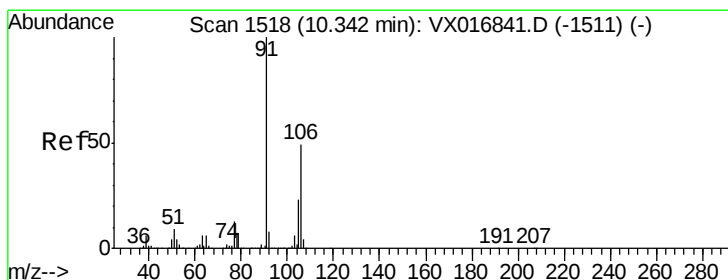
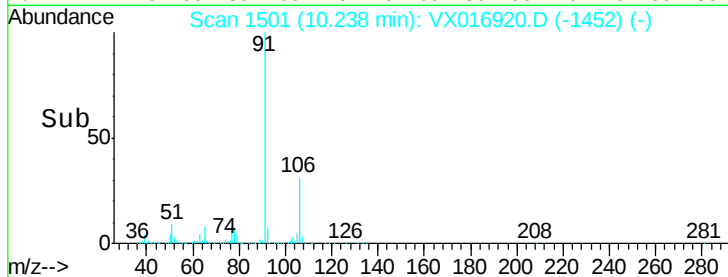
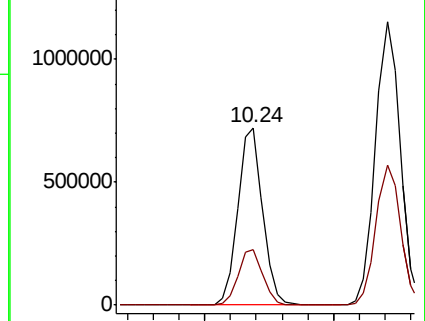
91 100

106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016841.D (-1493) (-)

Ion 106.00 (105.70 to 106.70): VX016841.D (-1493) (-)



#68

m/p-Xylenes

Concen: 100.501 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016920.D

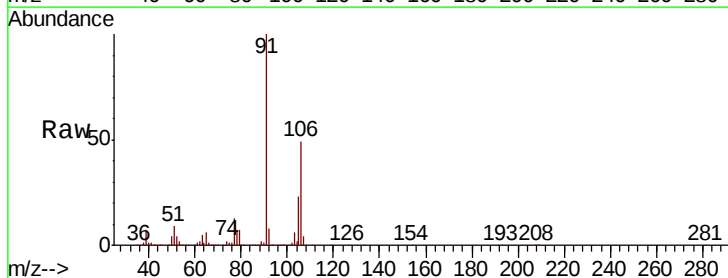
Acq: 20 Jun 2020 09:40

Tgt Ion: 106 Resp: 757051

Ion Ratio Lower Upper

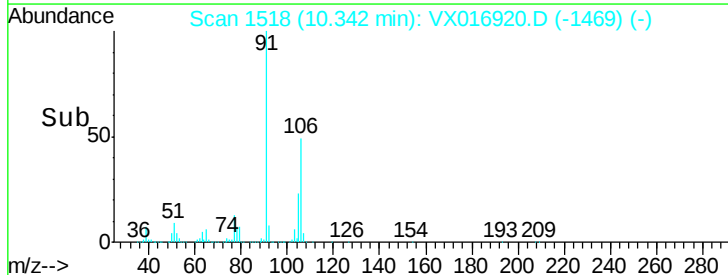
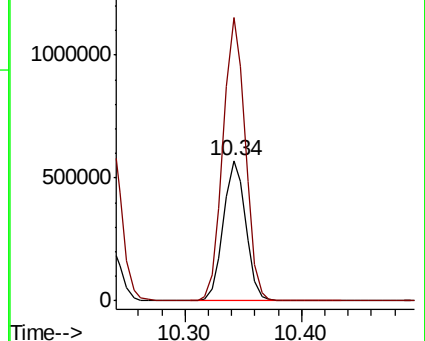
106 100

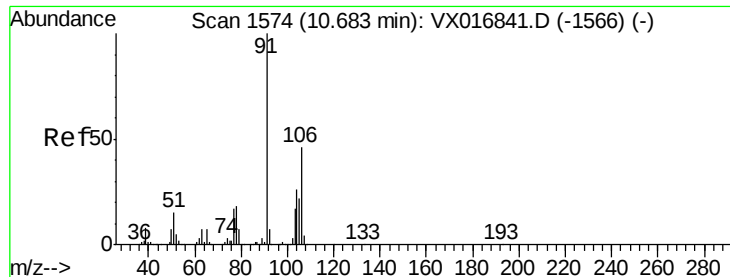
91 201.7 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VX016841.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016841.D (-1511) (-)

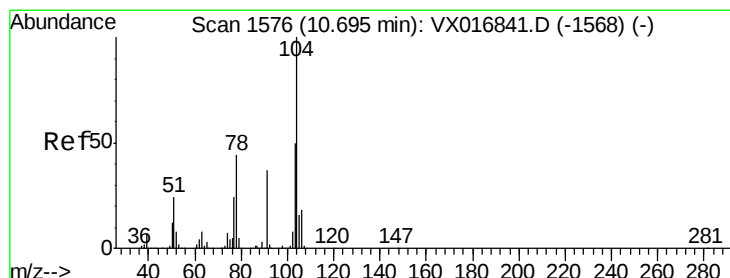
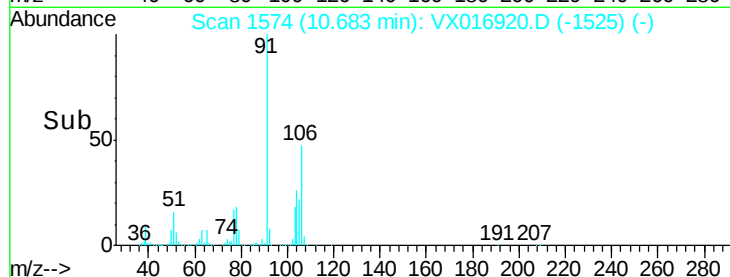
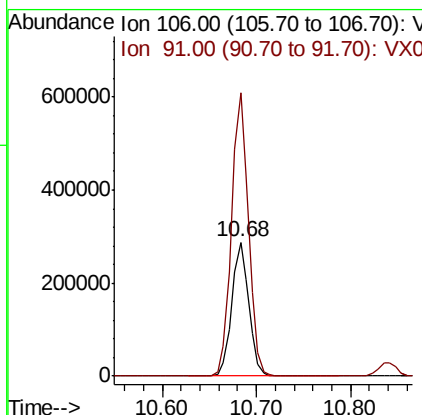
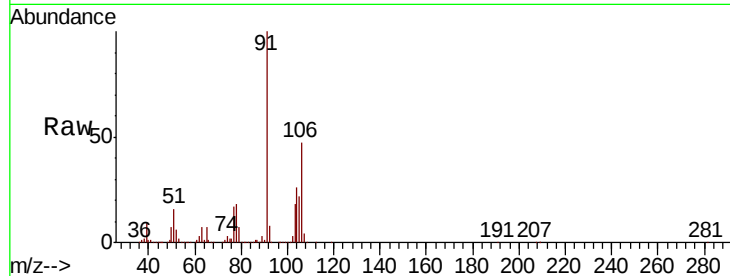




#69
o-Xylene
Concen: 51.640 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

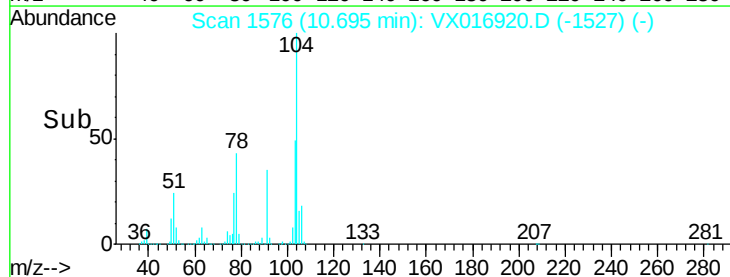
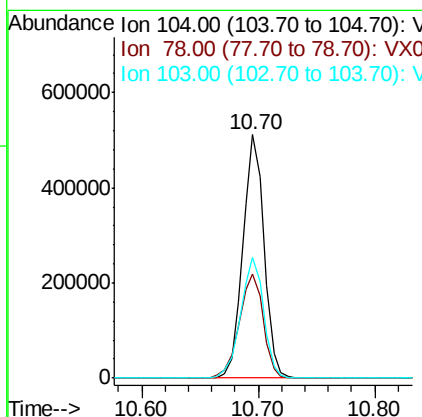
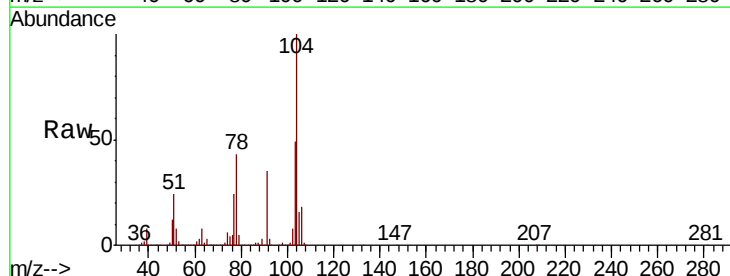
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

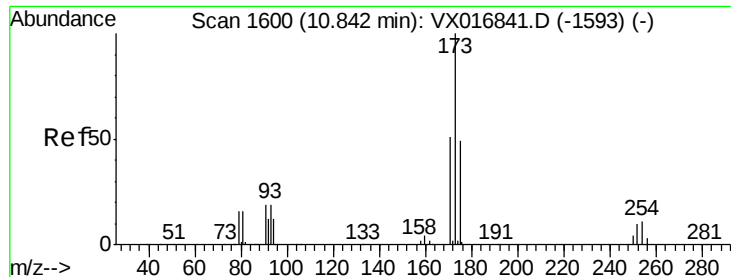
Tot Ion:106 Resp: 359683
Ion Ratio Lower Upper
106 100
91 210.9 107.9 323.7



#70
Styrene
Concen: 55.201 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion:104 Resp: 653285
Ion Ratio Lower Upper
104 100
78 48.2 39.6 59.4
103 53.8 43.3 64.9





#71

Bromoform

Concen: 52.545 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

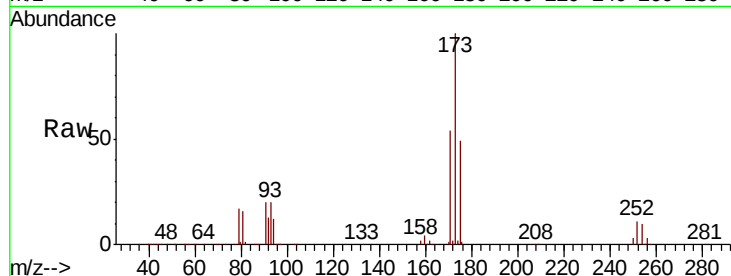
Tot Ion:173 Resp: 196434

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

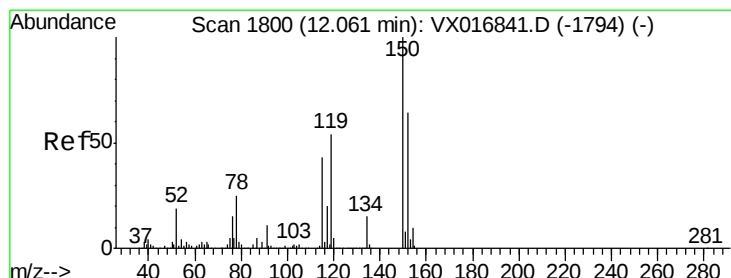
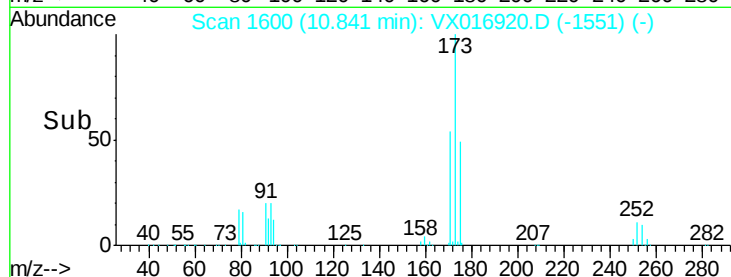
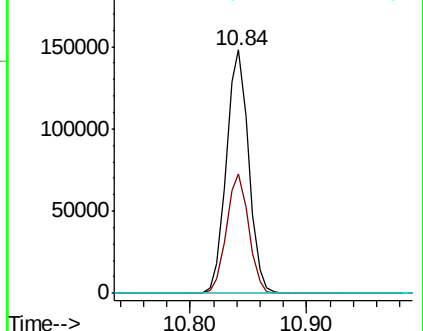
254 0.2 0.1 0.1#



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: VX016920.D

Acq: 20 Jun 2020 09:40

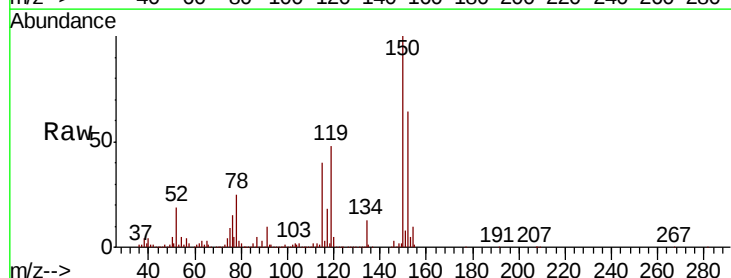
Tgt Ion:152 Resp: 300308

Ion Ratio Lower Upper

152 100

115 77.4 40.9 122.8

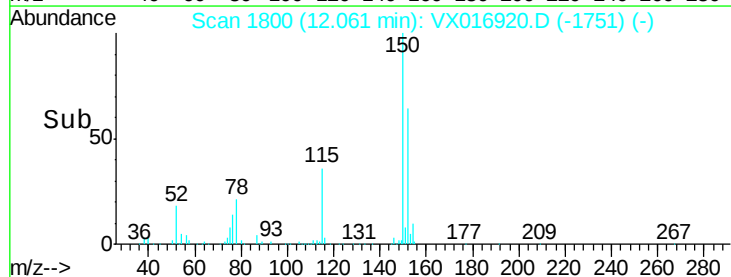
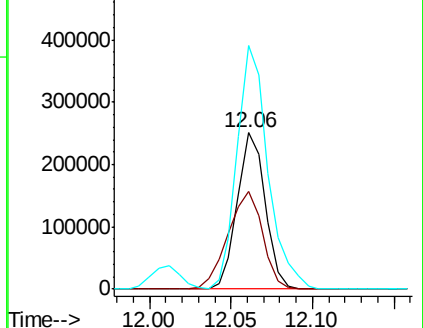
150 172.2 0.0 344.2

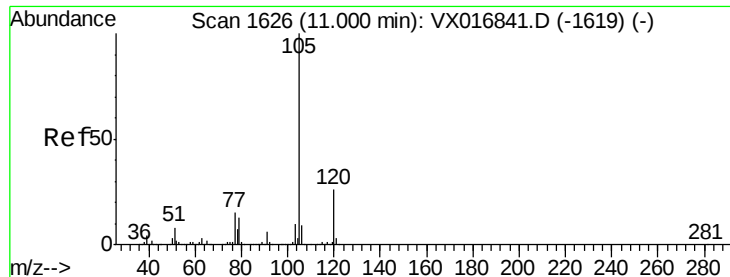


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.103 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

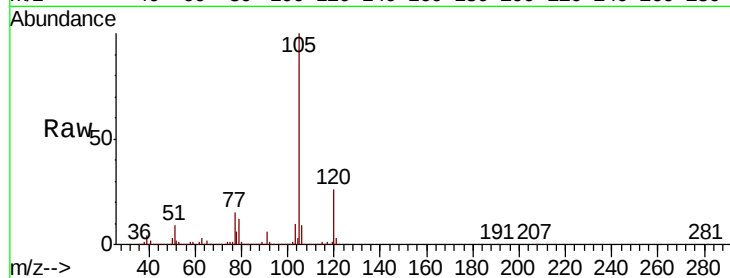
VSTDCCC050EC

Tot Ion:105 Resp: 988097

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

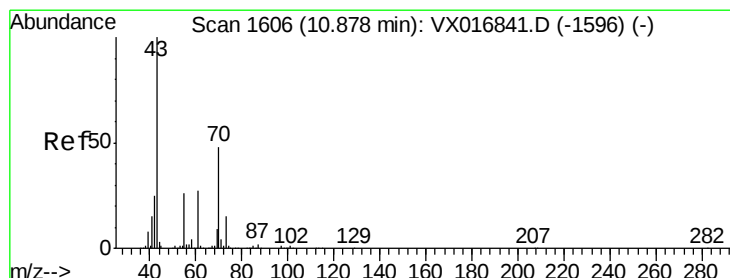
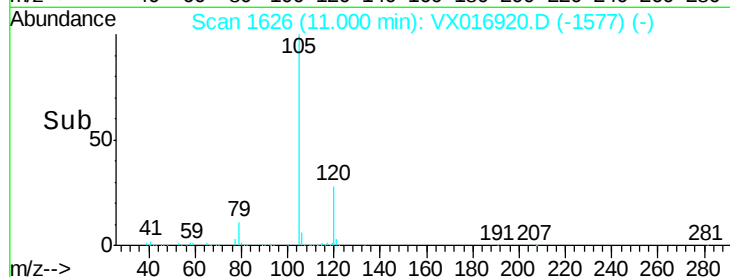
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 67.408 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Tgt Ion: 43 Resp: 455120

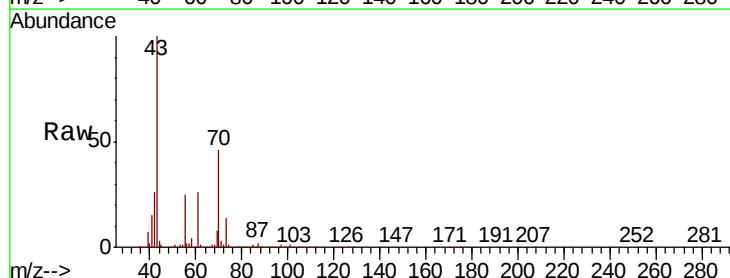
Ion Ratio Lower Upper

43 100

70 46.4 39.9 59.9

55 25.4 21.8 32.6

61 26.2 22.2 33.4



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

600000

500000

400000

300000

200000

100000

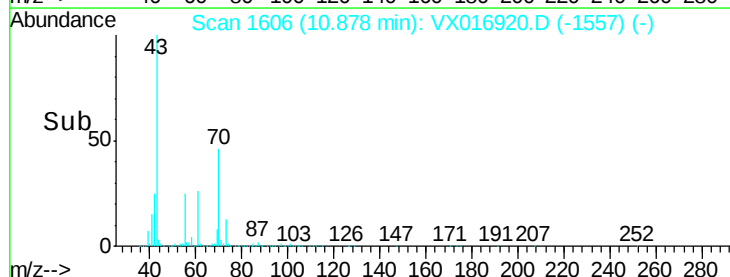
0

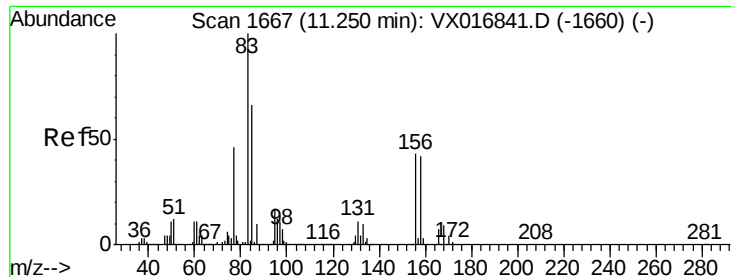
10.88

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.988 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

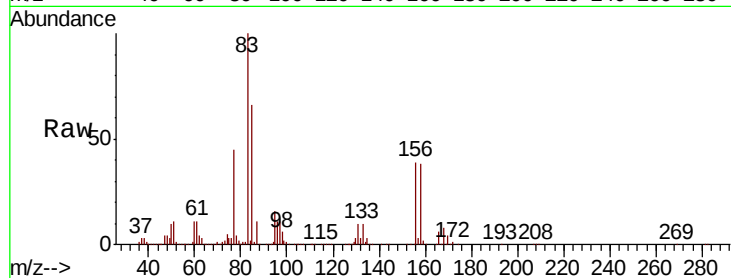
Tot Ion: 83 Resp: 316602

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.1

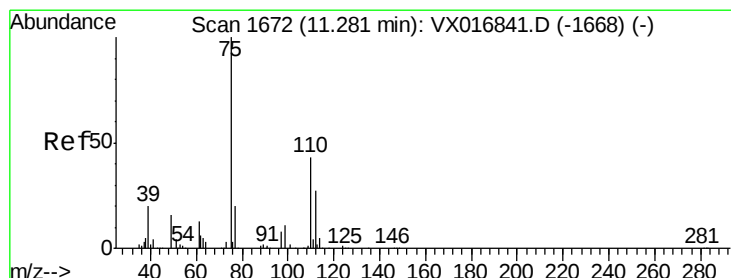
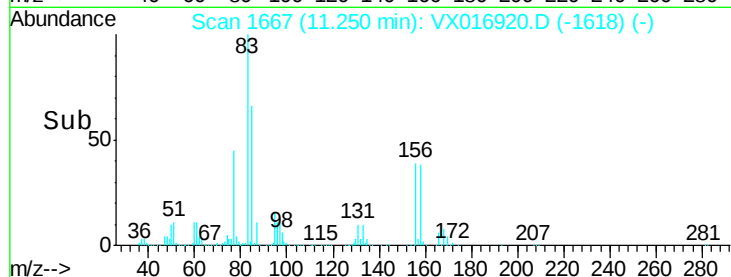
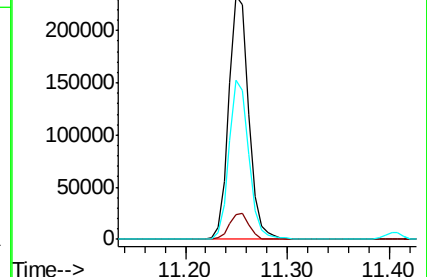
85 64.9 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.695 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016920.D

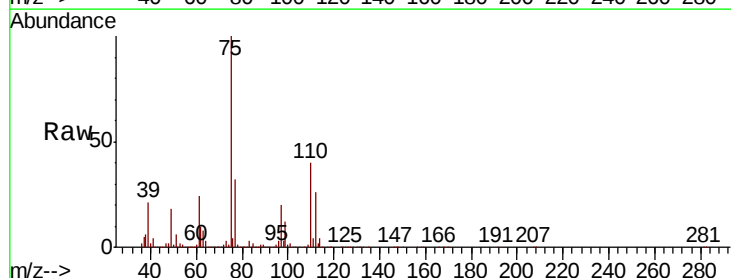
Acq: 20 Jun 2020 09:40

Tgt Ion: 75 Resp: 354829

Ion Ratio Lower Upper

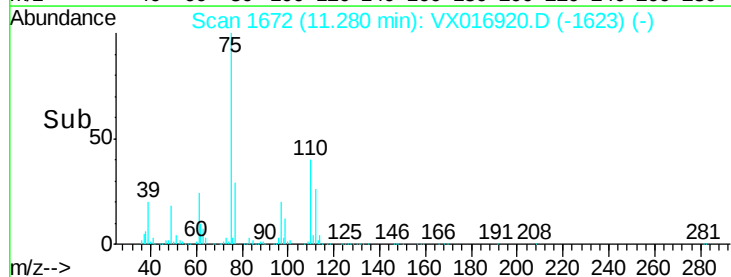
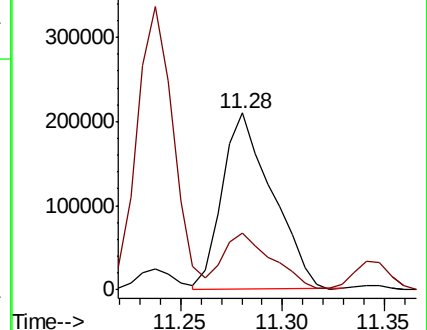
75 100

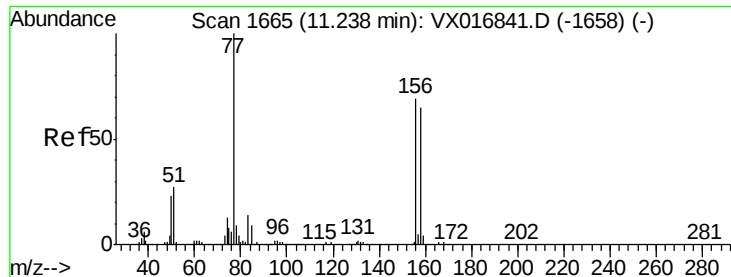
77 31.8 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.101 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

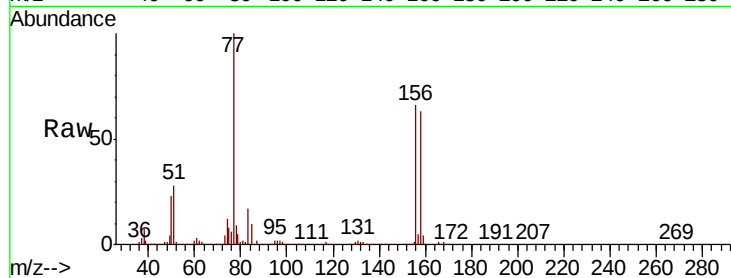
Tot Ion:156 Resp: 269467

Ion Ratio Lower Upper

156 100

77 155.0 73.4 220.2

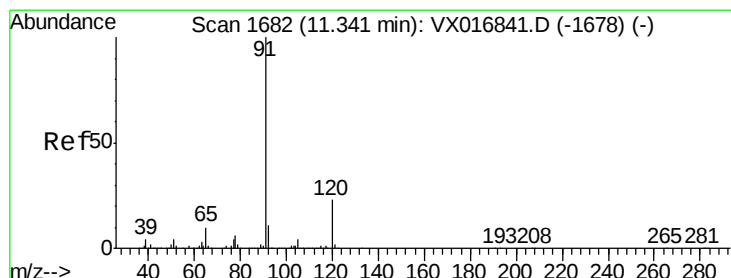
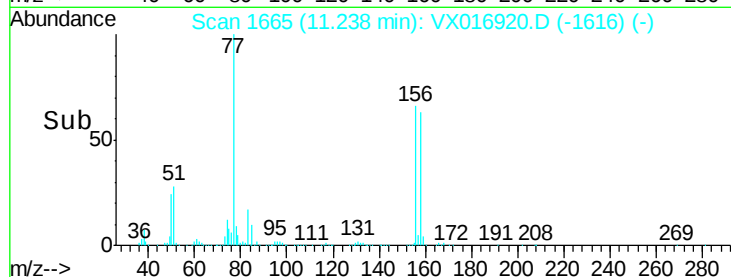
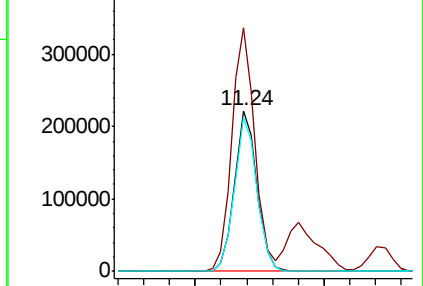
158 96.1 48.8 146.3



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: 51.038 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016920.D

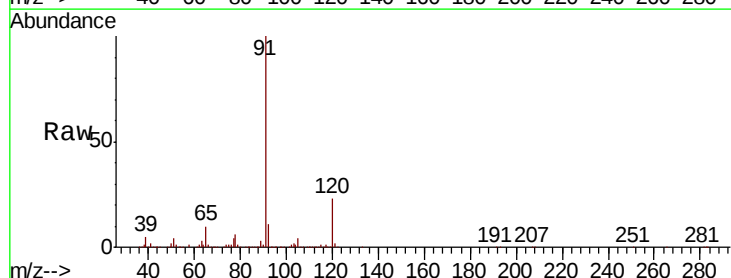
Acq: 20 Jun 2020 09:40

Tgt Ion: 91 Resp: 1101333

Ion Ratio Lower Upper

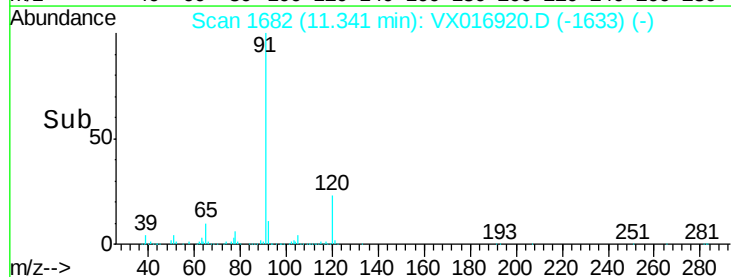
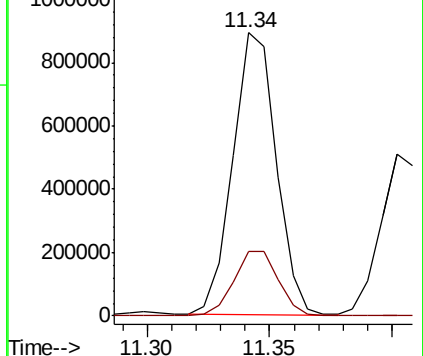
91 100

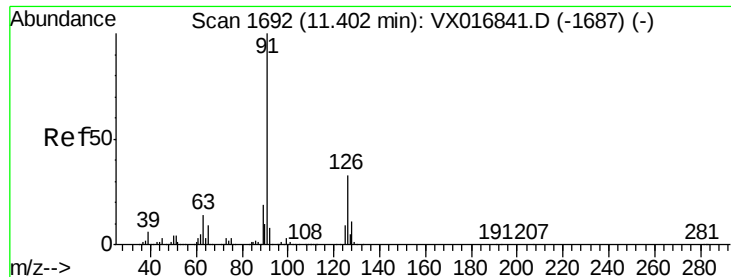
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.551 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

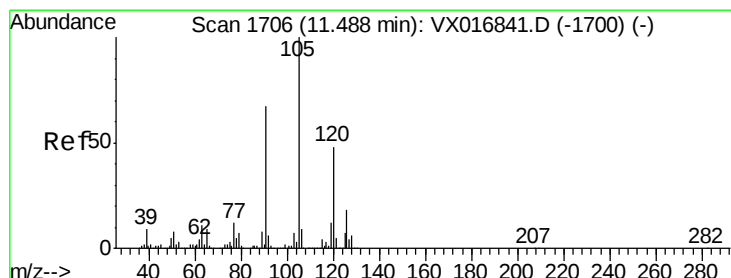
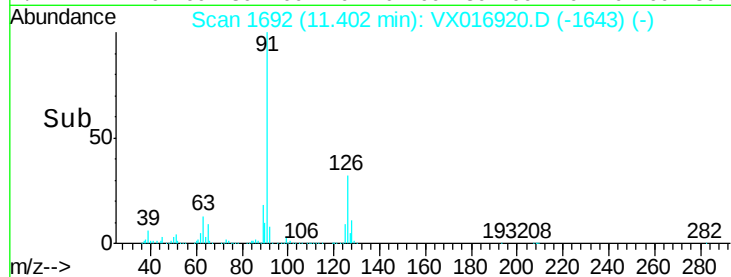
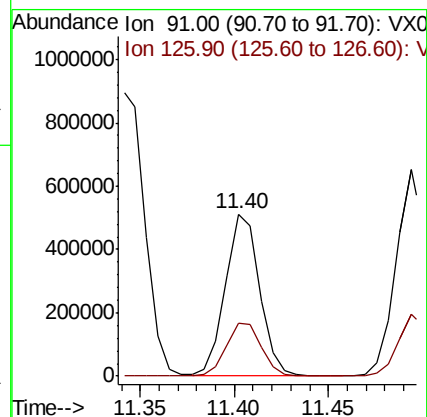
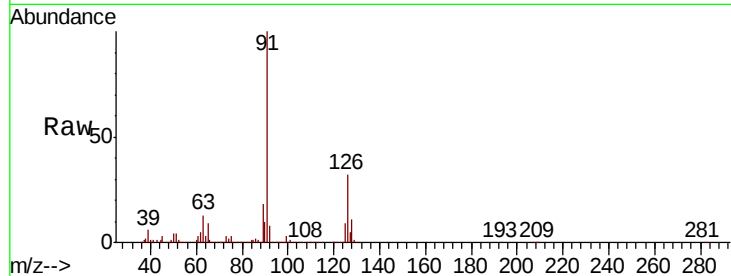
VSTDCCC050EC

Tot Ion: 91 Resp: 641005

Ion Ratio Lower Upper

91 100

126 34.2 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 49.550 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016920.D

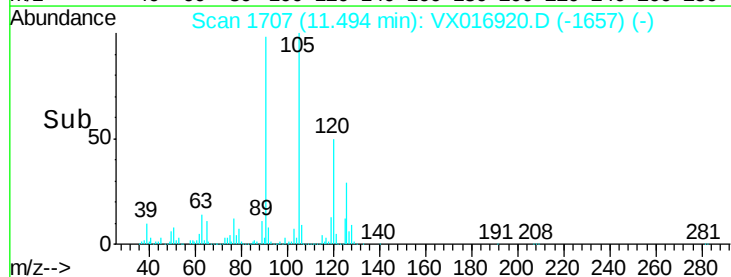
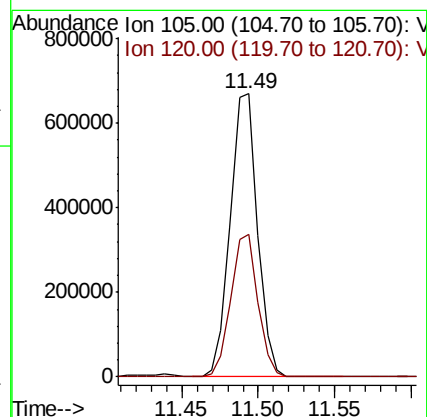
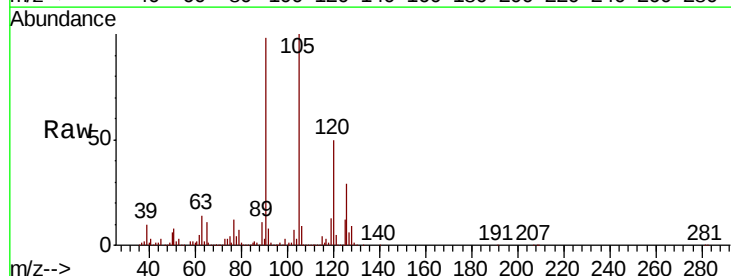
Acq: 20 Jun 2020 09:40

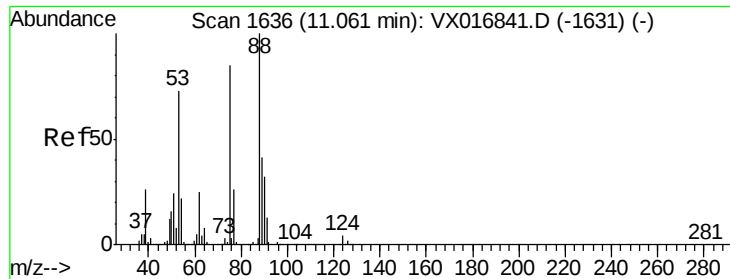
Tgt Ion: 105 Resp: 826629

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.590 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

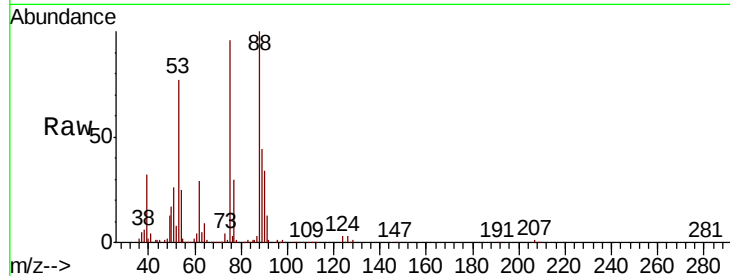
Tot Ion: 75 Resp: 95387

Ion Ratio Lower Upper

75 100

53 85.2 69.8 104.8

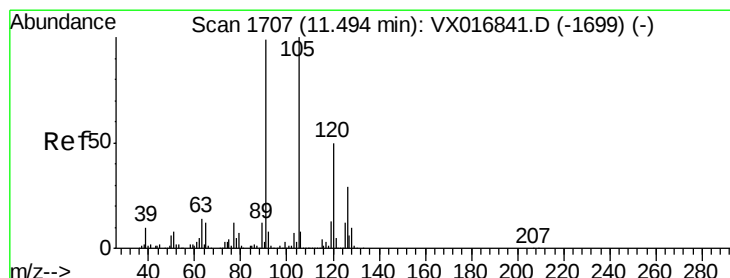
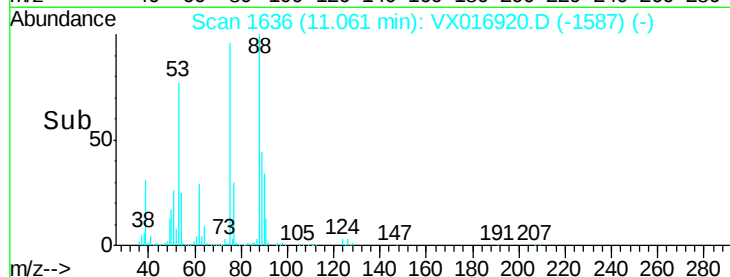
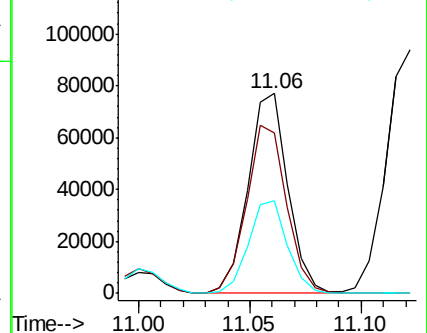
89 45.7 38.3 57.5



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: 48.978 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016920.D

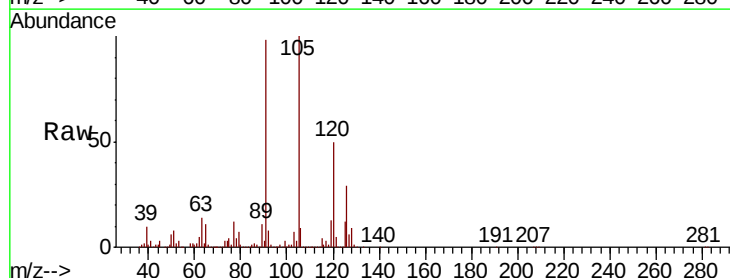
Acq: 20 Jun 2020 09:40

Tgt Ion: 91 Resp: 775770

Ion Ratio Lower Upper

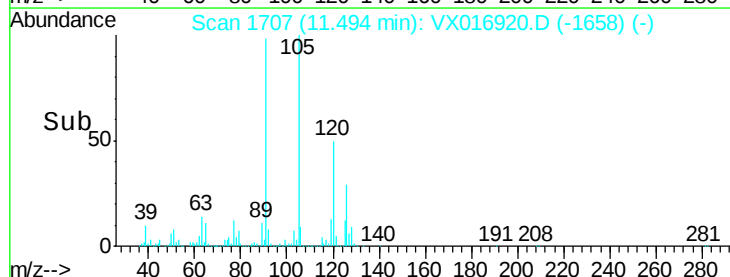
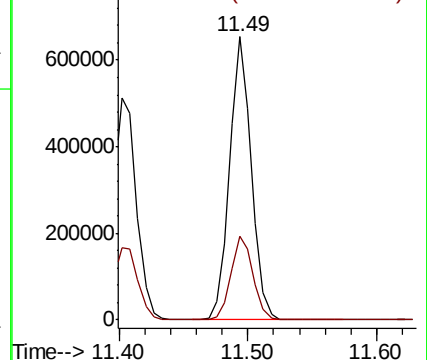
91 100

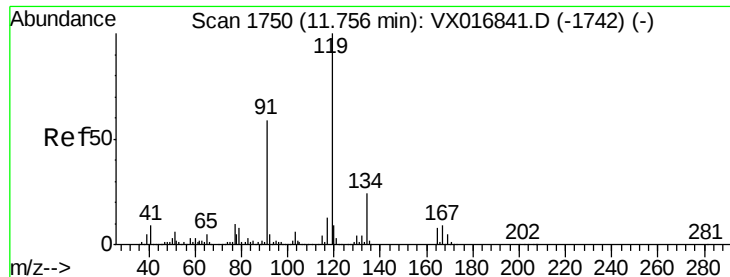
126 30.0 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

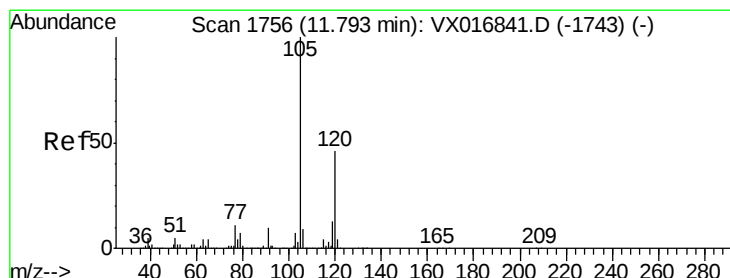
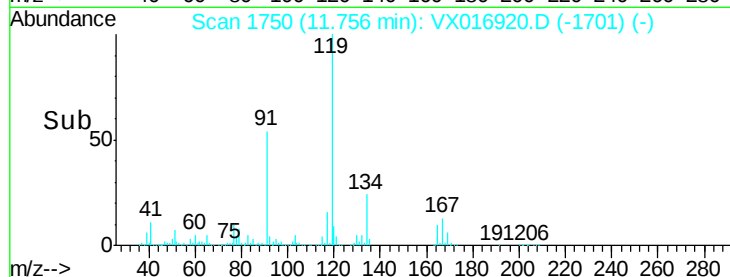
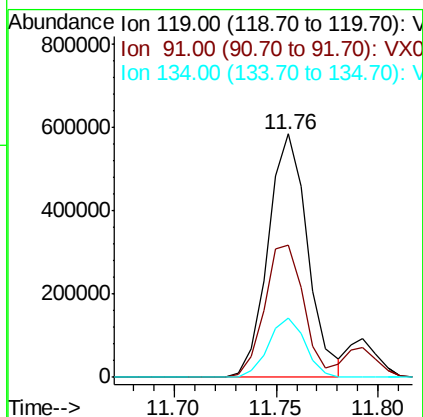
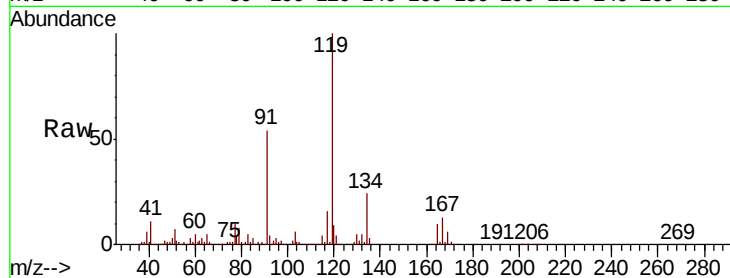




#83
tert-Butylbenzene
Concen: 47.901 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

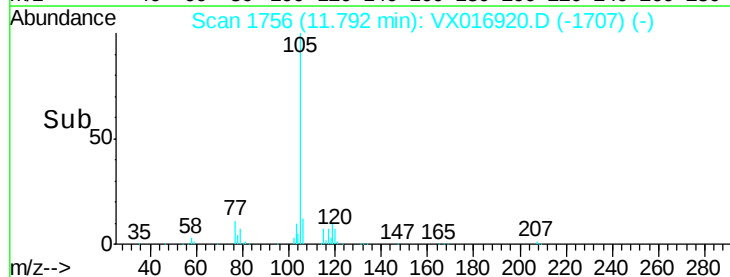
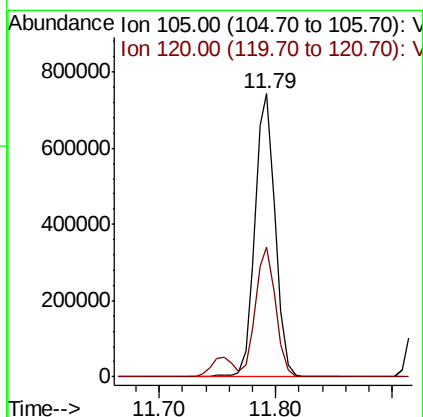
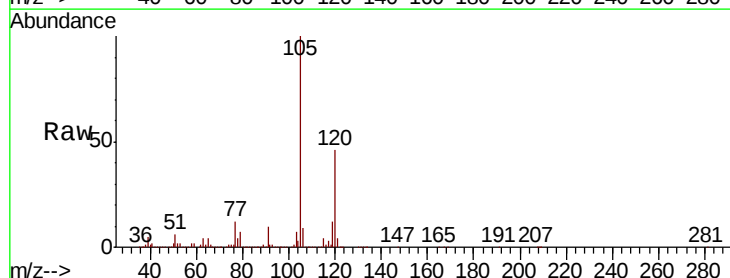
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

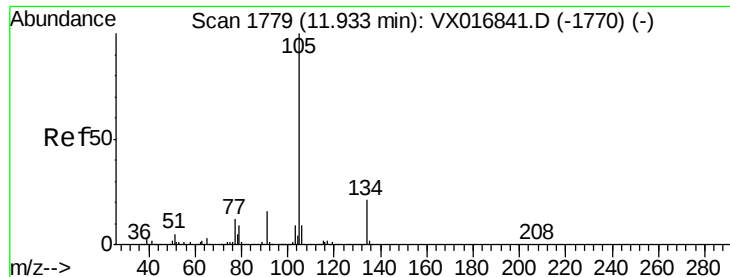
Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	28.5	85.5
134	22.9	11.7	35.1



#84
1,2,4-Trimethylbenzene
Concen: 52.221 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 46.507 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

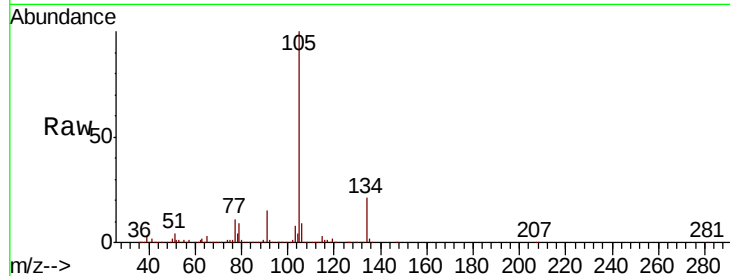
VSTDCCC050EC

Tot Ion:105 Resp: 891539

Ion Ratio Lower Upper

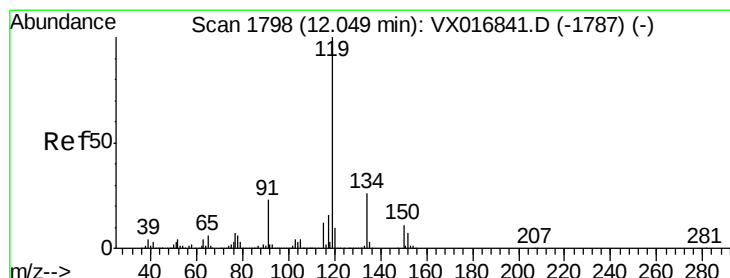
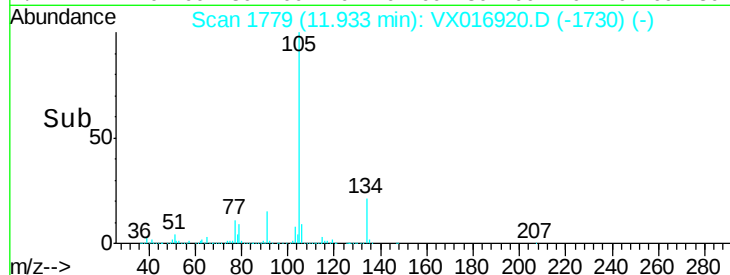
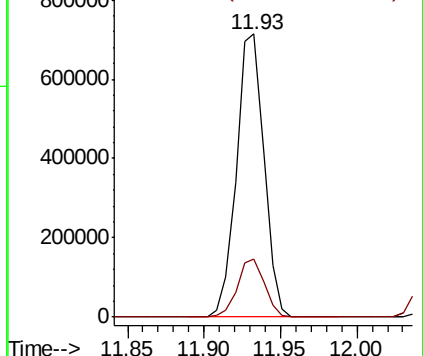
105 100

134 20.3 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.450 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

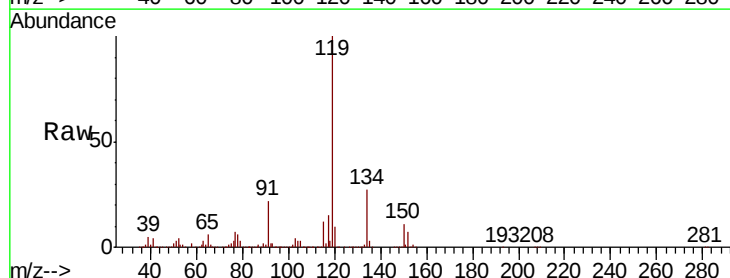
Tgt Ion:119 Resp: 868549

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

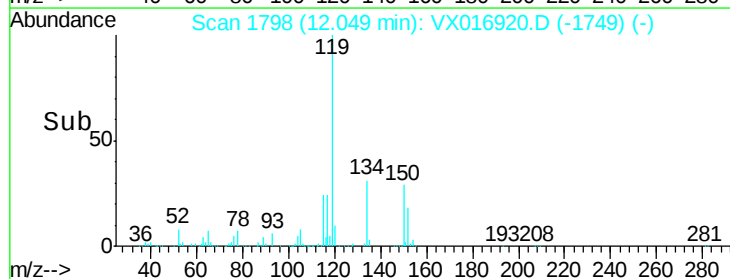
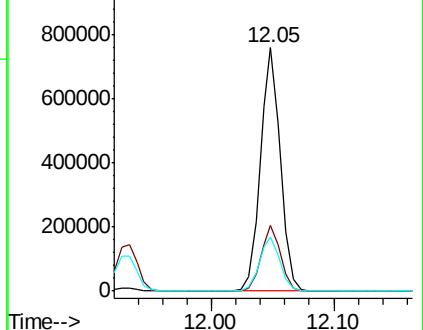
91 22.6 11.6 34.8

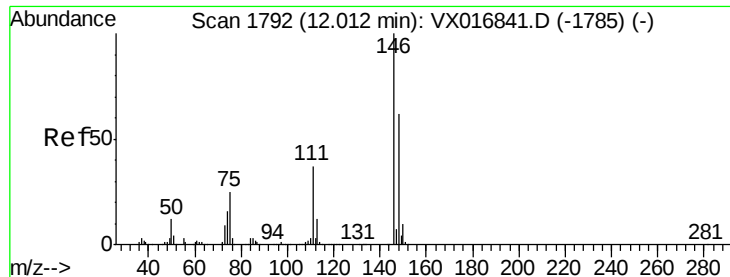


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

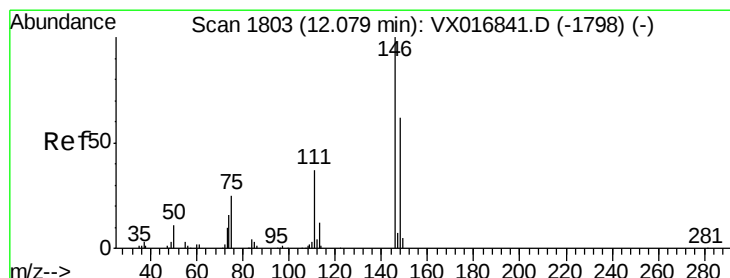
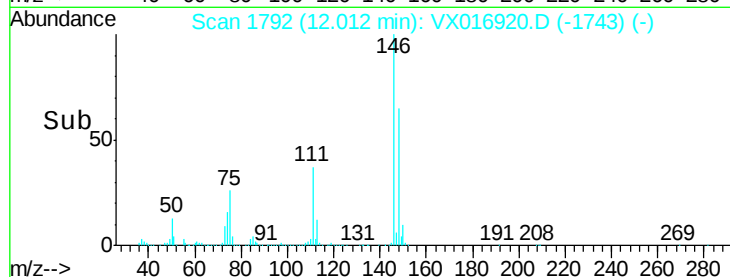
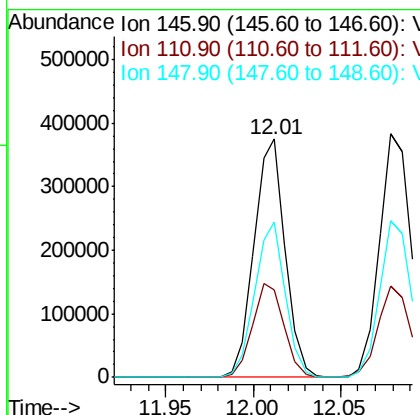
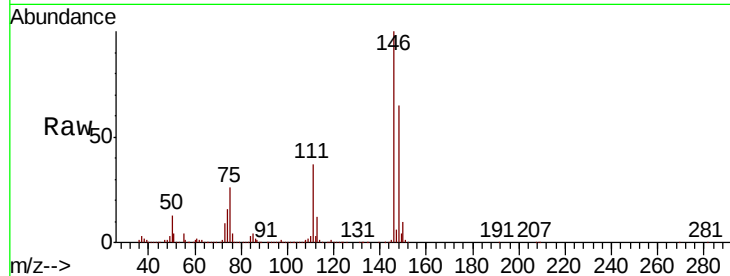




#87
 1,3-Dichlorobenzene
 Concen: 48.384 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

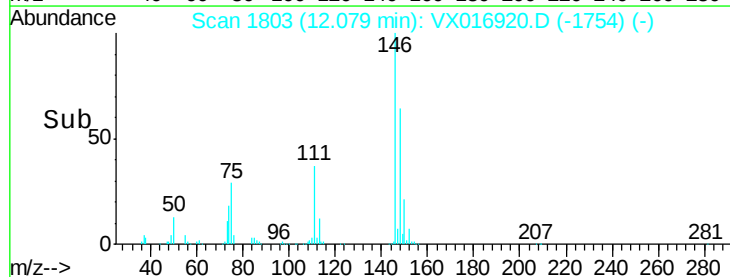
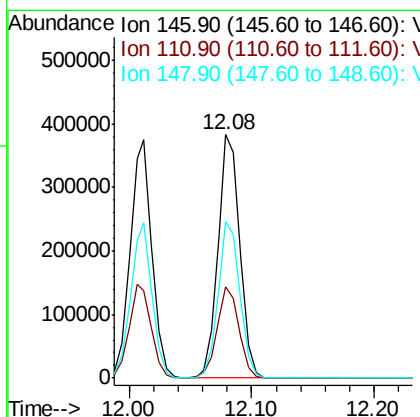
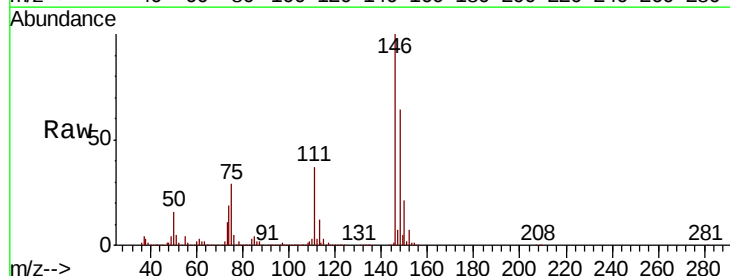
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

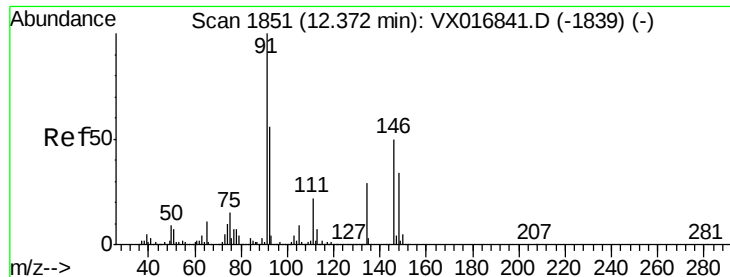
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	64.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.967 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.8	31.6	95.0

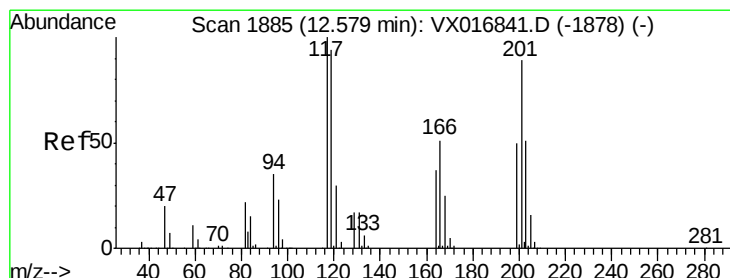
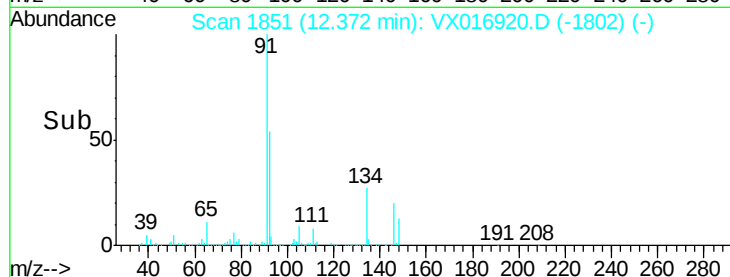
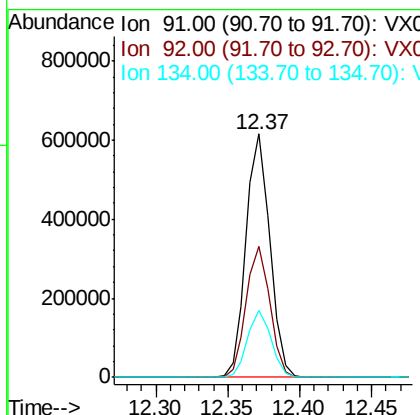
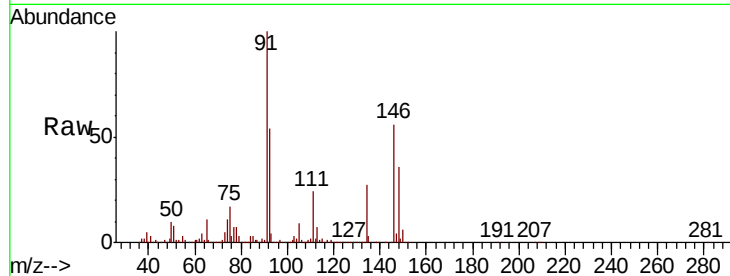




#89
n-Butylbenzene
Concen: 46.671 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

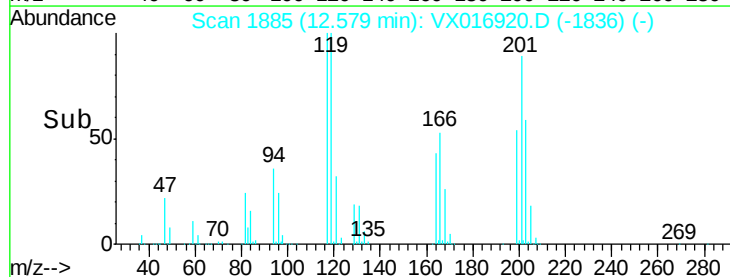
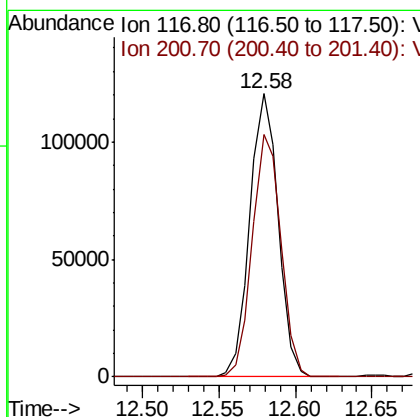
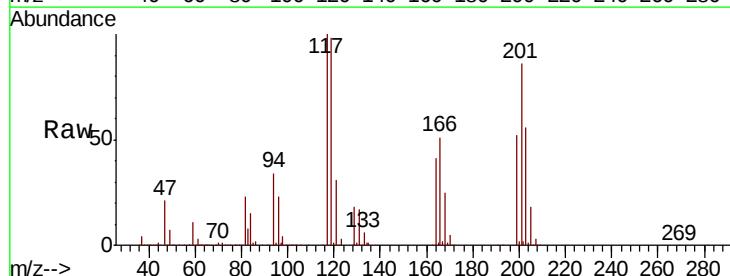
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

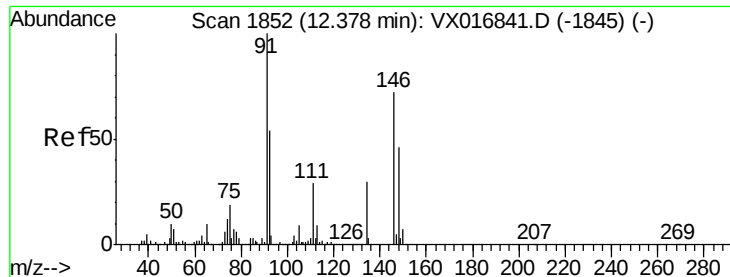
Tot Ion: 91 Resp: 702956
Ion Ratio Lower Upper
91 100
92 53.9 27.4 82.2
134 27.4 13.9 41.6



#90
Hexachloroethane
Concen: 49.259 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016920.D
Acq: 20 Jun 2020 09:40

Tgt Ion: 117 Resp: 155853
Ion Ratio Lower Upper
117 100
201 86.5 44.9 134.5

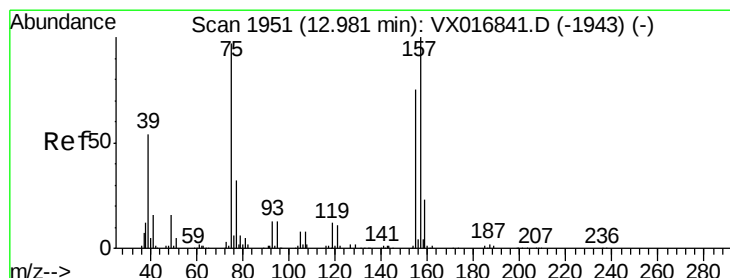
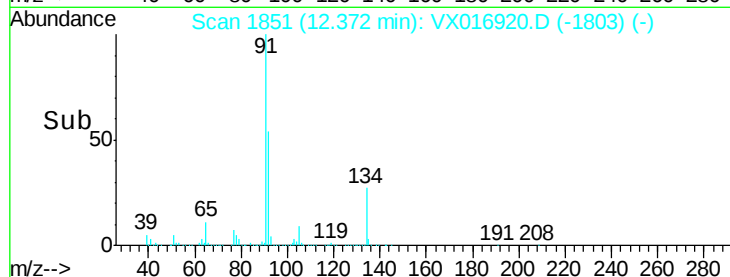
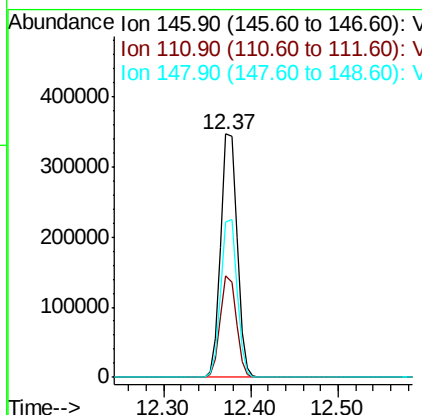
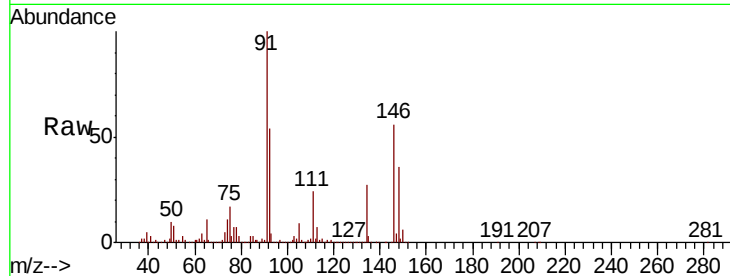




#91
 1,2-Dichlorobenzene
 Concen: 47.984 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

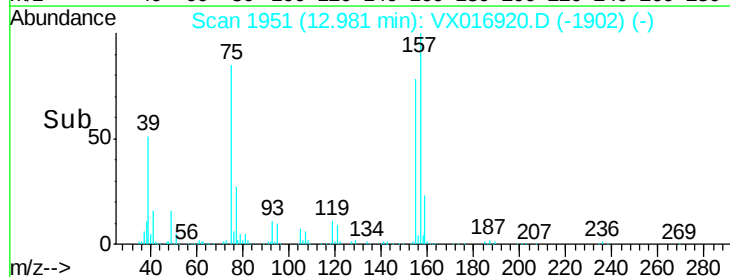
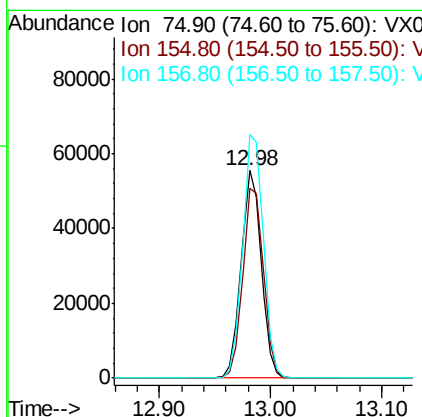
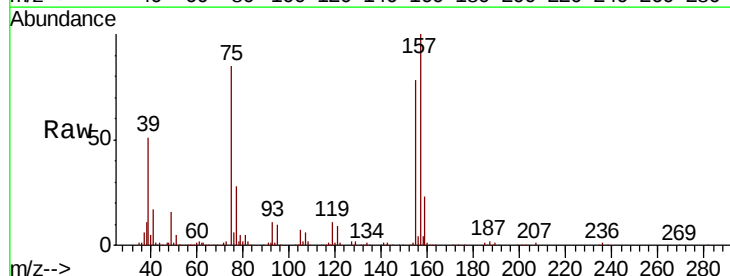
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

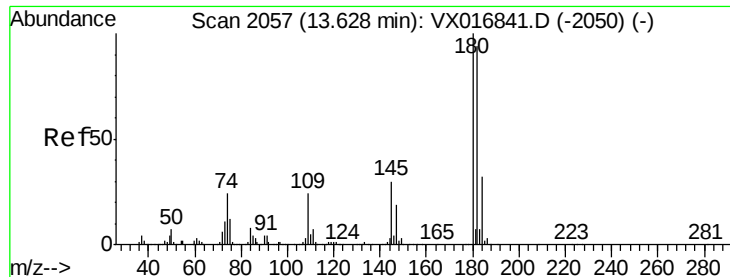
Tot Ion:146 Resp: 446277
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.7
 148 64.3 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.941 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion: 75 Resp: 69829
 Ion Ratio Lower Upper
 75 100
 155 93.7 46.4 139.1
 157 120.5 58.6 175.8

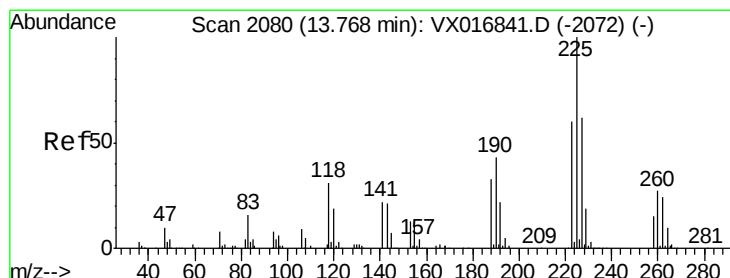
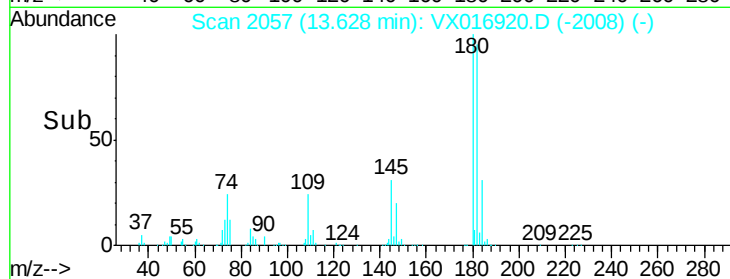
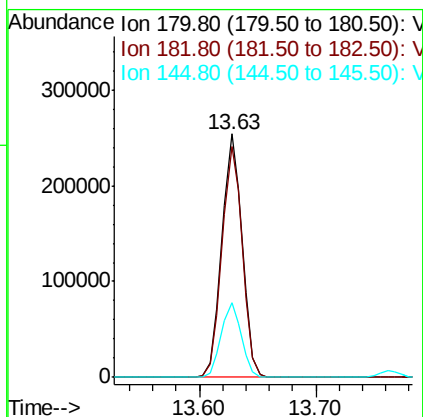
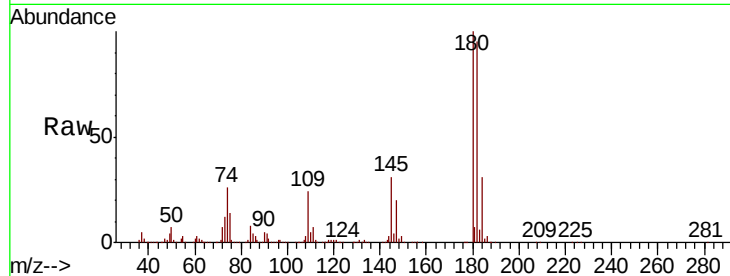




#93
 1,2,4-Trichlorobenzene
 Concen: 48.698 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

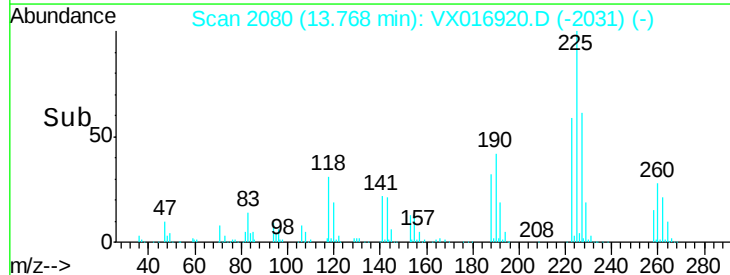
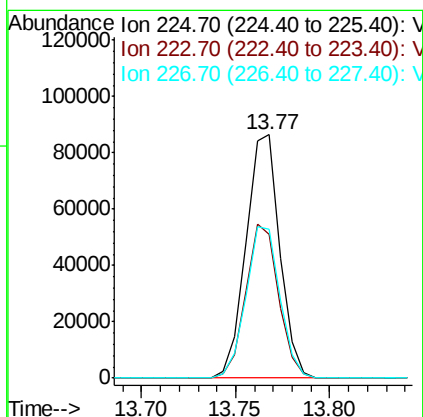
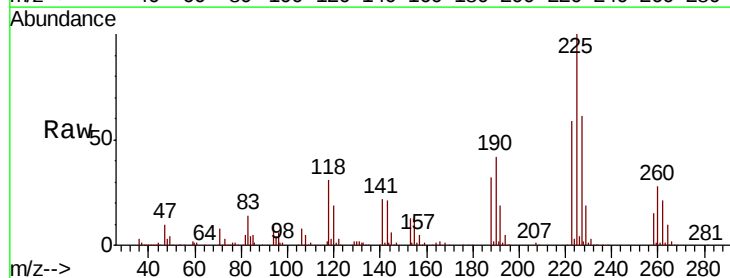
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

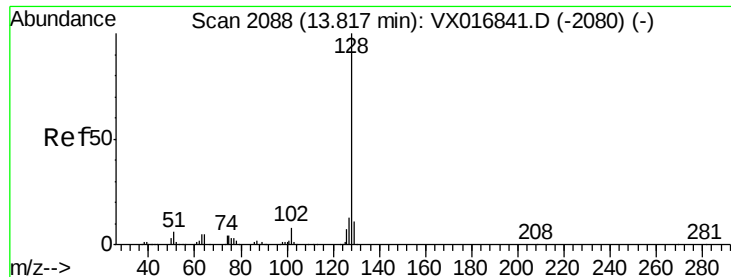
Tot Ion:180 Resp: 304134
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 30.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 38.094 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016920.D
 Acq: 20 Jun 2020 09:40

Tgt Ion:225 Resp: 107354
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.1 96.5
 227 62.7 32.3 96.8





#95

Naphthalene

Concen: 56.751 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

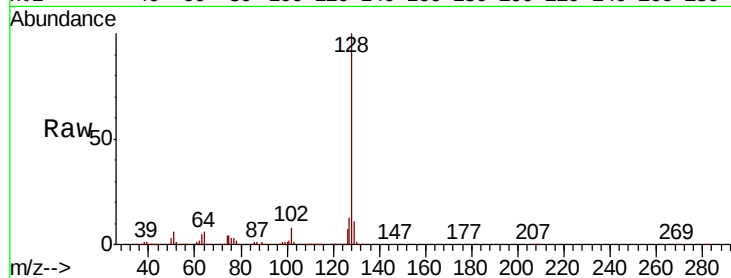
Tot Ion:128 Resp: 1040542

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

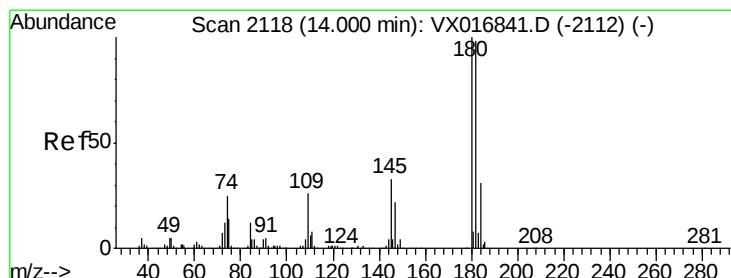
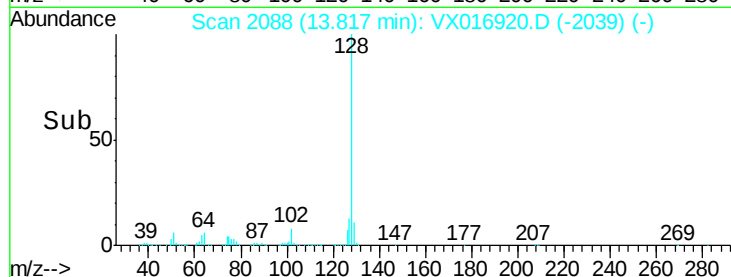
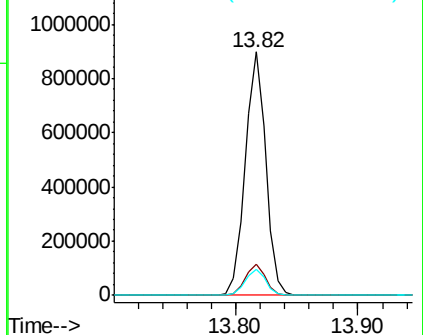
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.298 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016920.D

Acq: 20 Jun 2020 09:40

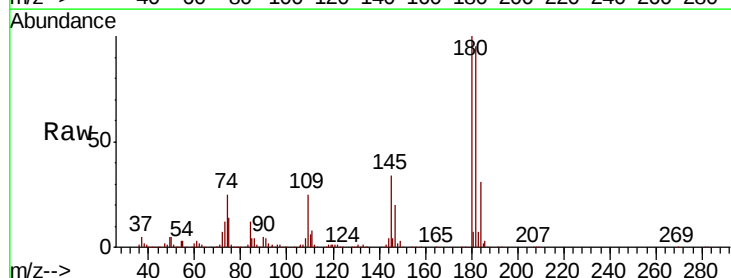
Tgt Ion:180 Resp: 307037

Ion Ratio Lower Upper

180 100

182 96.6 47.4 142.3

145 32.5 16.0 48.0



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

