

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017086.D
 Acq On : 01 Jul 2020 10:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 02 01:32:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	267844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	394502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204387	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	153918	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	5.46	113	126638	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.70	98	462789	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	187068	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	127590	49.239	ug/l	99
3) Chloromethane	1.31	50	138994	44.314	ug/l	99
4) Vinyl Chloride	1.39	62	131546	45.203	ug/l	97
5) Bromomethane	1.62	94	74330	48.345	ug/l	98
6) Chloroethane	1.71	64	79082	46.012	ug/l	98
7) Trichlorofluoromethane	1.92	101	215459	50.061	ug/l	99
8) Diethyl Ether	2.17	74	73899	51.023	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	116211	45.050	ug/l	98
10) Methyl Iodide	2.49	142	152463	45.805	ug/l	99
11) Tert butyl alcohol	3.01	59	142800	226.695	ug/l	100
12) 1,1-Dichloroethene	2.36	96	111317	42.007	ug/l	95
13) Acrolein	2.27	56	76916	204.263	ug/l	99
14) Allyl chloride	2.70	41	222033	45.338	ug/l	98
15) Acrylonitrile	3.11	53	347593	229.540	ug/l	99
16) Acetone	2.42	43	254155	205.754	ug/l	94
17) Carbon Disulfide	2.55	76	355983	48.141	ug/l	100
18) Methyl Acetate	2.75	43	148707	46.116	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	425939	47.892	ug/l	99
20) Methylene Chloride	2.83	84	140644	49.640	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	139796	47.537	ug/l	98
22) Diisopropyl ether	3.82	45	433271	47.801	ug/l	95
23) Vinyl Acetate	3.78	43	1906406	244.761	ug/l	100
24) 1,1-Dichloroethane	3.67	63	242279	46.977	ug/l	98
25) 2-Butanone	4.63	43	459399	223.201	ug/l	99
26) 2,2-Dichloropropane	4.55	77	219791	47.997	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	151551	45.483	ug/l	98
28) Bromochloromethane	4.98	49	110253	43.931	ug/l	98
29) Tetrahydrofuran	5.09	42	308062	226.530	ug/l	99
30) Chloroform	5.17	83	251584	47.586	ug/l	97
31) Cyclohexane	5.54	56	212729	47.719	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	231884	47.625	ug/l	99
36) 1,1-Dichloropropene	5.77	75	188159	50.465	ug/l	99
37) Ethyl Acetate	4.79	43	186825	49.385	ug/l	100
38) Carbon Tetrachloride	5.75	117	213623	52.018	ug/l	97

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 VSTDCCC050

Quant Time: Jul 02 01:32:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	220353	53.117	ug/l	98
40) Benzene	6.11	78	548959	50.110	ug/l	99
41) Methacrylonitrile	5.00	41	101717	47.773	ug/l	99
42) 1,2-Dichloroethane	6.16	62	202526	51.181	ug/l	100
43) Isopropyl Acetate	6.41	43	303092	48.215	ug/l	99
44) Trichloroethene	7.18	130	160286	53.040	ug/l	94
45) 1,2-Dichloropropane	7.49	63	142009	50.470	ug/l	98
46) Dibromomethane	7.63	93	97680	50.849	ug/l	96
47) Bromodichloromethane	7.87	83	205975	52.030	ug/l	94
48) Methyl methacrylate	7.74	41	151409	50.697	ug/l	97
49) 1,4-Dioxane	7.71	88	67654	999.916	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	947342	252.812	ug/l	100
52) Toluene	8.76	92	353825	51.731	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	225894	51.717	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	240549	51.374	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	143884	51.488	ug/l	99
56) Ethyl methacrylate	9.16	69	213001	53.551	ug/l	99
57) 1,3-Dichloropropane	9.35	76	238717	50.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	526722	266.080	ug/l	100
59) 2-Hexanone	9.47	43	721772	263.736	ug/l	99
60) Dibromochloromethane	9.57	129	171129	52.725	ug/l	100
61) 1,2-Dibromoethane	9.65	107	153119	50.975	ug/l	99
64) Tetrachloroethene	9.32	164	161577	53.053	ug/l	97
65) Chlorobenzene	10.12	112	390364	50.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	154587	51.502	ug/l	99
67) Ethyl Benzene	10.23	91	681184	52.371	ug/l	98
68) m/p-Xylenes	10.34	106	531110	106.345	ug/l	99
69) o-Xylene	10.68	106	248879	52.384	ug/l	98
70) Styrene	10.69	104	446013	55.128	ug/l	100
71) Bromoform	10.84	173	130678	54.901	ug/l #	97
73) Isopropylbenzene	11.00	105	688804	51.451	ug/l	100
74) N-amyl acetate	10.88	43	280563	49.115	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	195697	46.471	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	251558	62.590	ug/l	85
77) Bromobenzene	11.24	156	179960	48.910	ug/l	98
78) n-propylbenzene	11.34	91	779816	51.510	ug/l	100
79) 2-Chlorotoluene	11.40	91	468826	51.169	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	580349	52.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	76478	49.277	ug/l	95
82) 4-Chlorotoluene	11.49	91	564301	51.520	ug/l	100
83) tert-Butylbenzene	11.76	119	552967	50.727	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	585403	51.963	ug/l	99
85) sec-Butylbenzene	11.93	105	659447	51.464	ug/l	99
86) p-Isopropyltoluene	12.05	119	633551	53.112	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	322725	48.294	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	321050	50.948	ug/l	99
89) n-Butylbenzene	12.37	91	544066	51.081	ug/l	100
90) Hexachloroethane	12.58	117	116259	49.423	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	296974	47.543	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	45597	45.389	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	209153	49.057	ug/l	98
94) Hexachlorobutadiene	13.76	225	86370	53.321	ug/l	95
95) Naphthalene	13.82	128	657471	50.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	207316	50.246	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. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

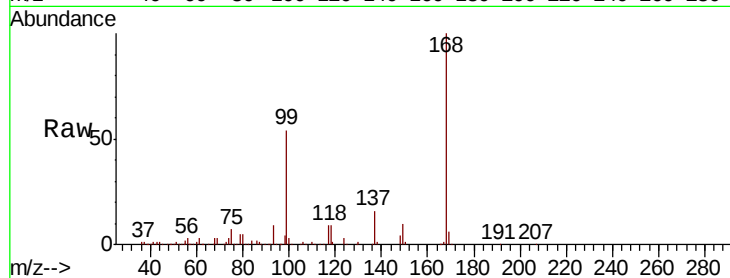
VSTDCCC050

Tot Ion:168 Resp: 267844

Ion Ratio Lower Upper

168 100

99 53.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

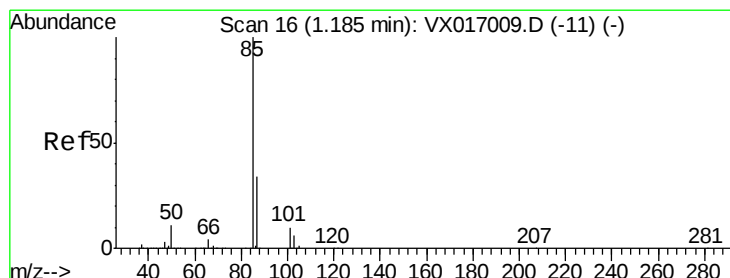
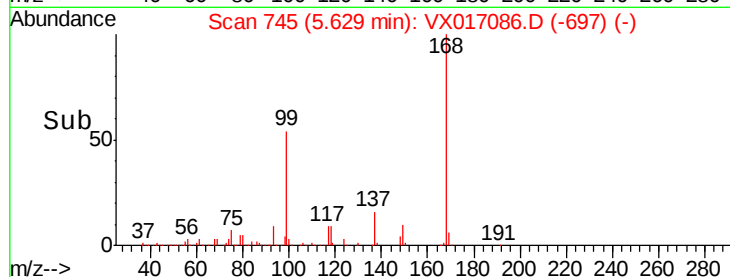
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.239 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017086.D

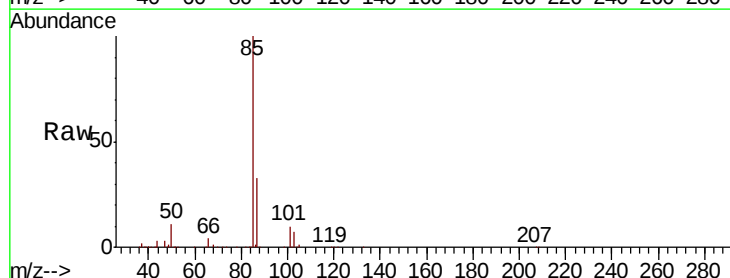
Acq: 01 Jul 2020 10:10

Tgt Ion: 85 Resp: 127590

Ion Ratio Lower Upper

85 100

87 32.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

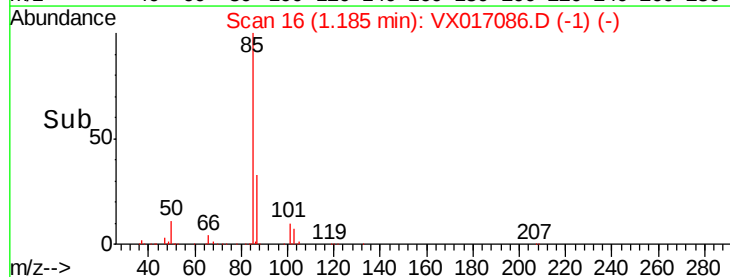
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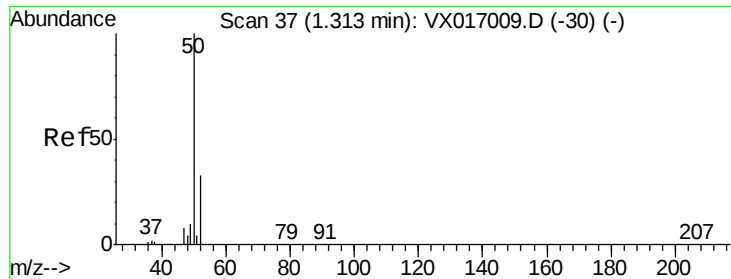
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.314 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

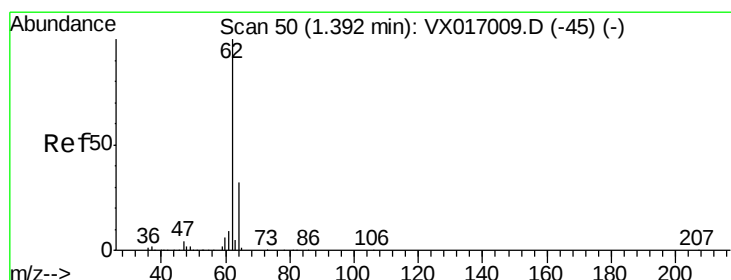
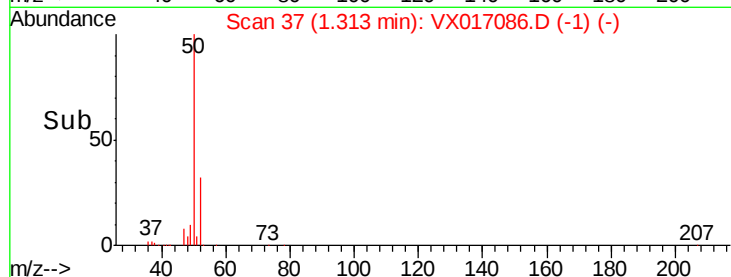
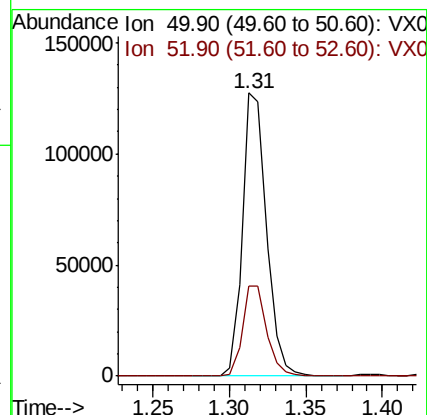
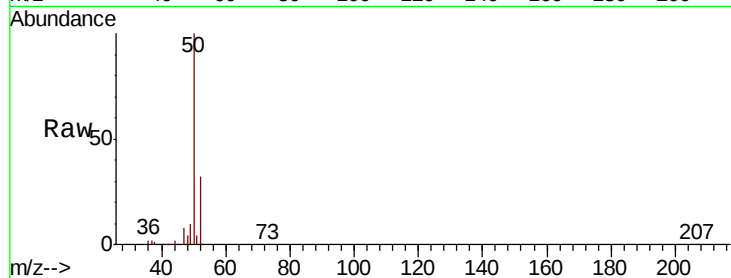
VSTDCCC050

Tot Ion: 50 Resp: 138994

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 45.203 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017086.D

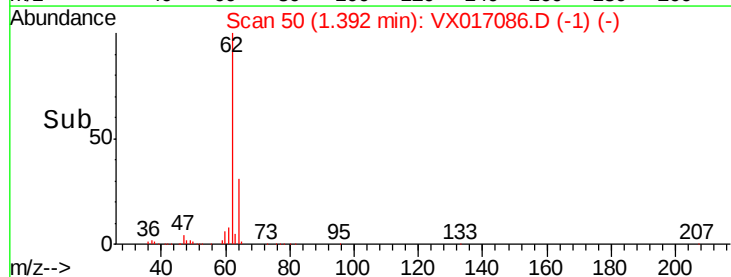
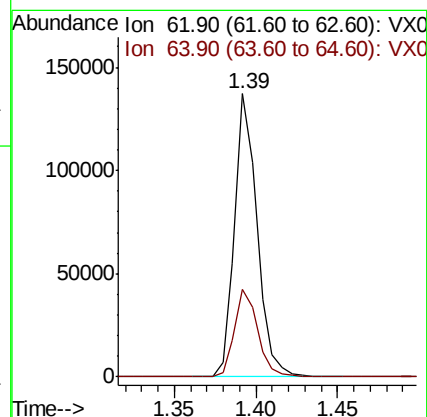
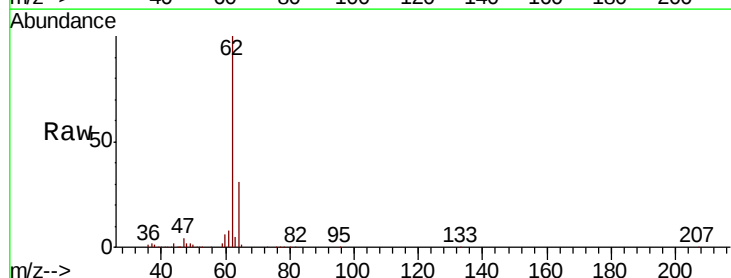
Acq: 01 Jul 2020 10:10

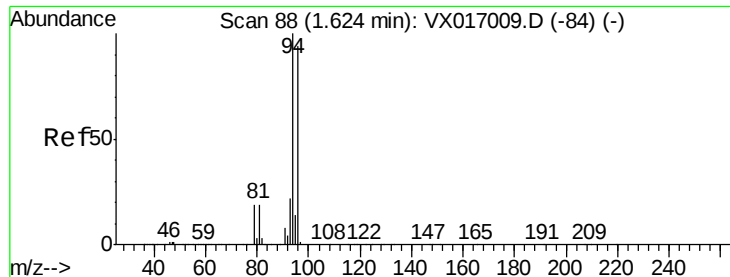
Tgt Ion: 62 Resp: 131546

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 48.345 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

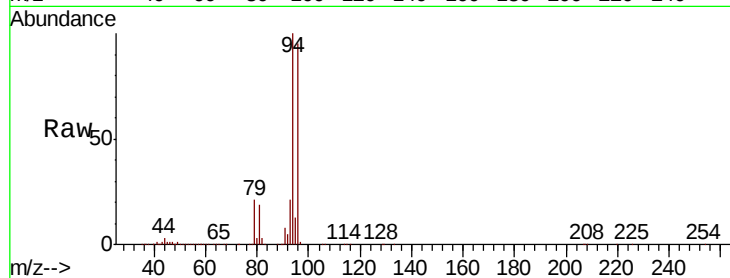
VSTDCCC050

Tot Ion: 94 Resp: 74330

Ion Ratio Lower Upper

94 100

96 95.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

80000

60000

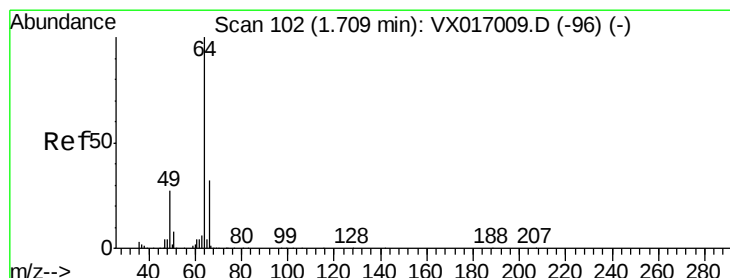
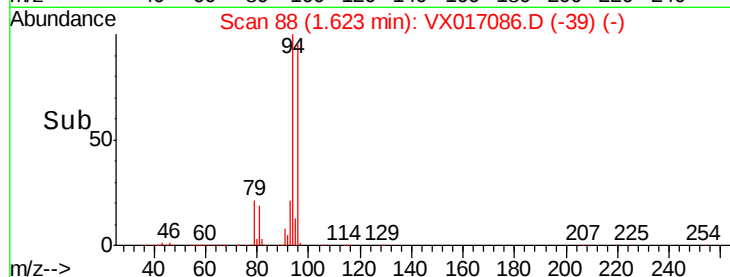
40000

20000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 46.012 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017086.D

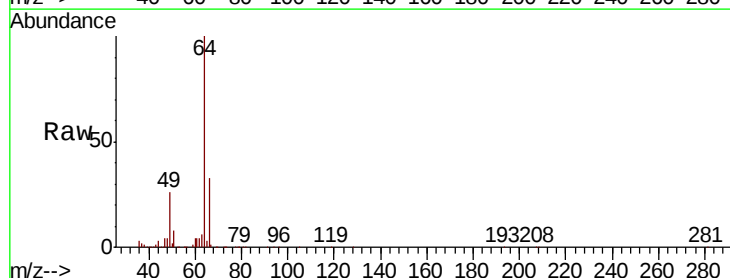
Acq: 01 Jul 2020 10:10

Tgt Ion: 64 Resp: 79082

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

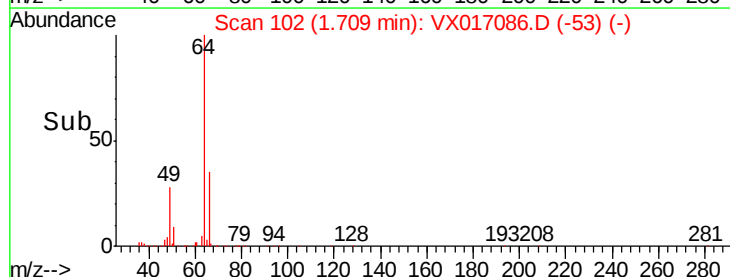
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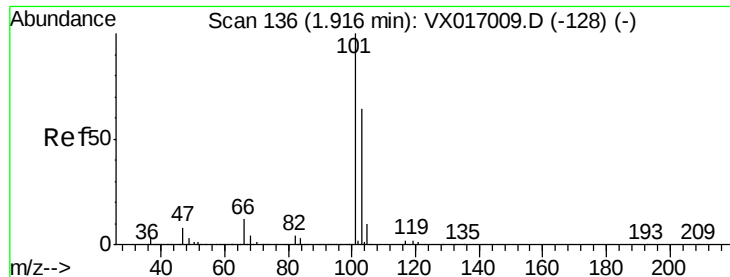
20000

0

Time-->

1.65 1.70 1.75 1.80



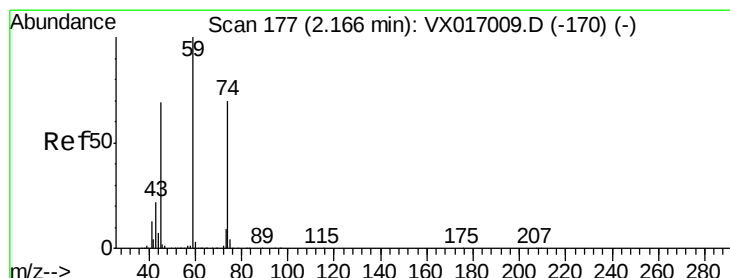
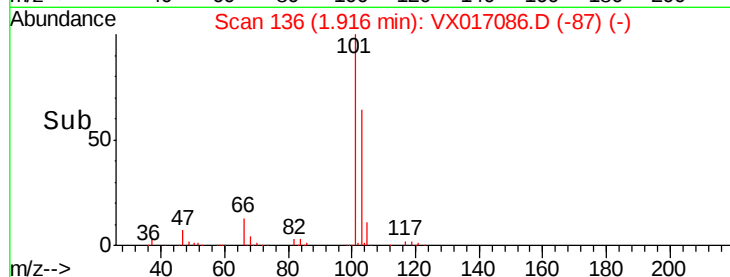
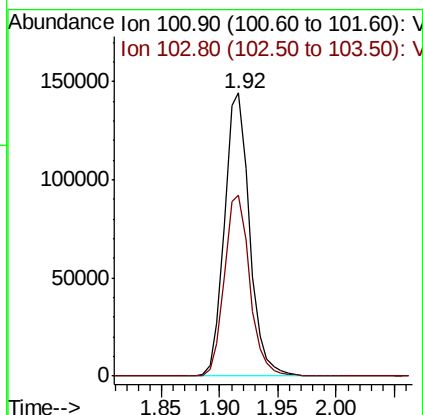
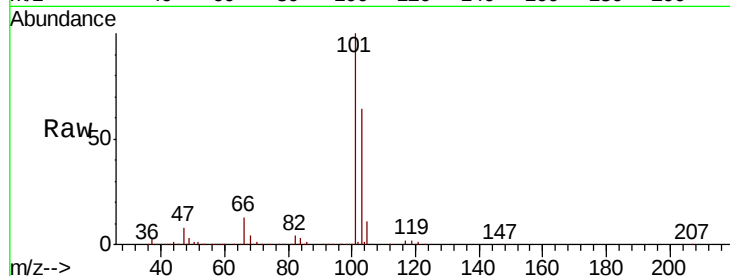


#7

Trichlorofluoromethane
 Concen: 50.061 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

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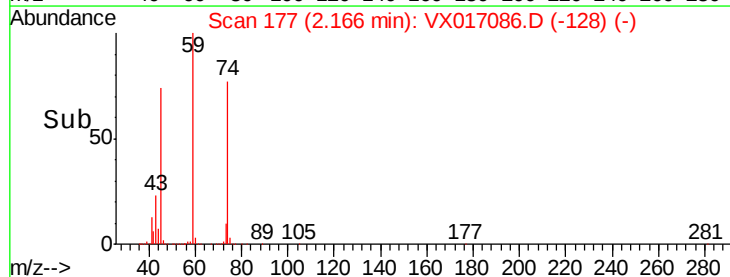
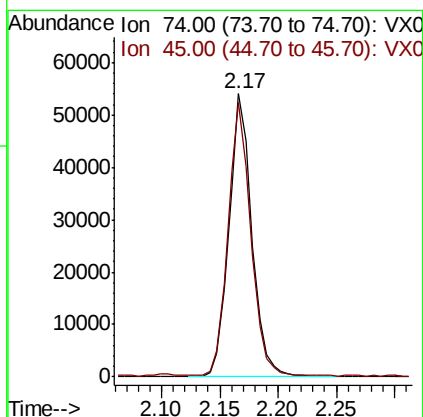
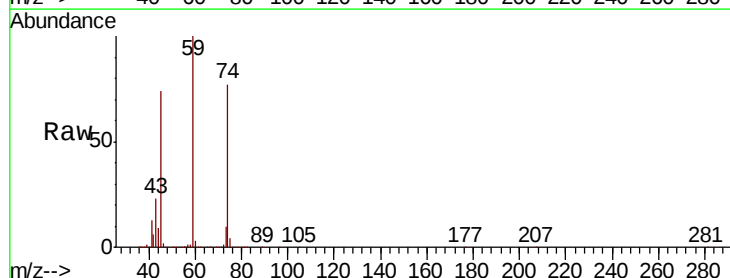
Tot Ion:101 Resp: 215459
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3

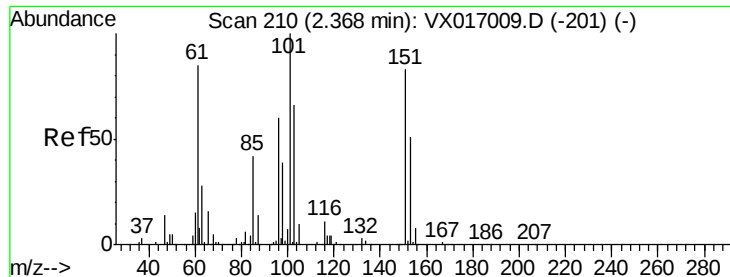


#8

Diethyl Ether
 Concen: 51.023 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 74 Resp: 73899
 Ion Ratio Lower Upper
 74 100
 45 95.8 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.050 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

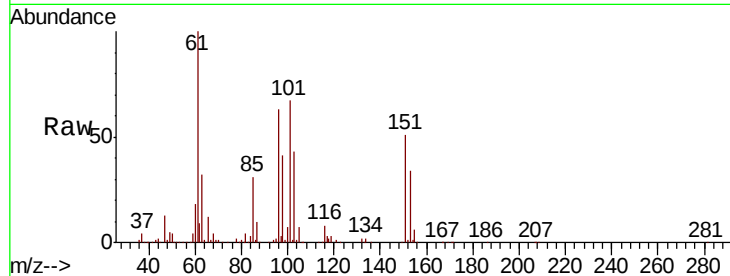
Tot Ion:101 Resp: 116211

Ion Ratio Lower Upper

101 100

85 44.3 33.5 50.3

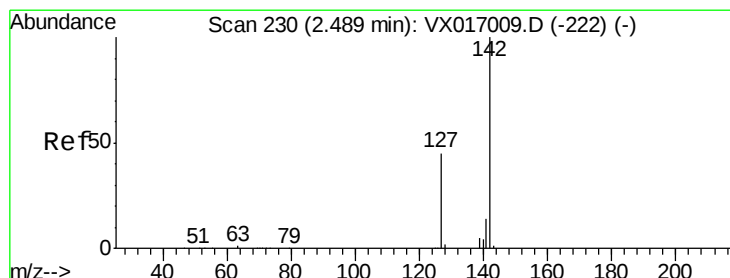
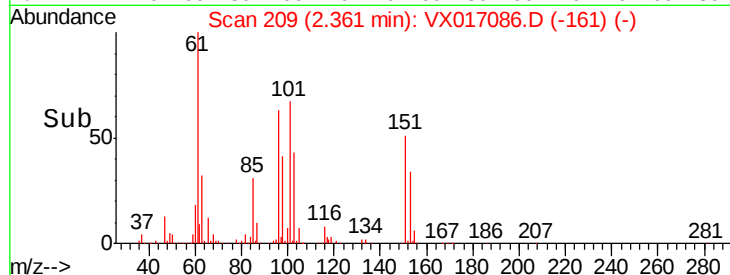
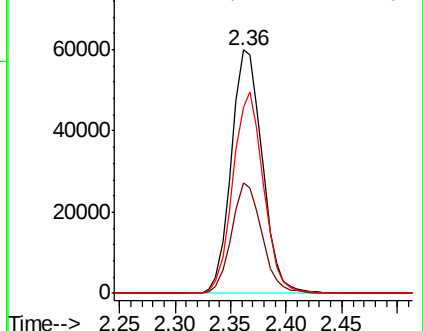
151 81.2 63.8 95.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.805 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

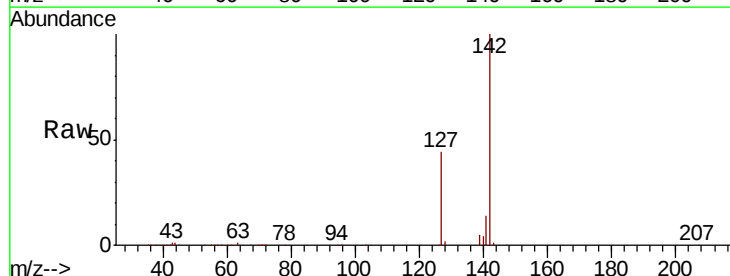
Tgt Ion:142 Resp: 152463

Ion Ratio Lower Upper

142 100

127 44.8 36.6 54.8

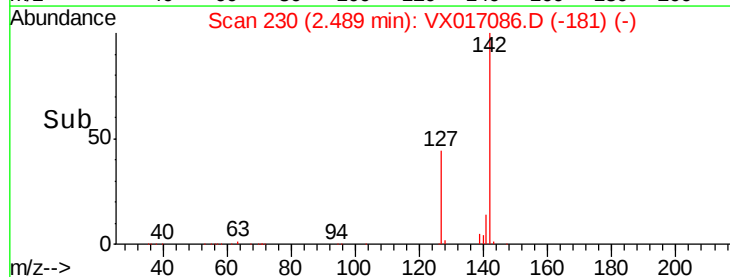
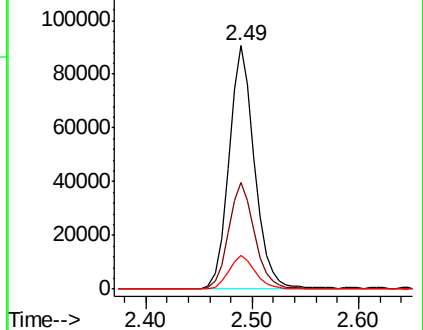
141 14.3 11.6 17.4

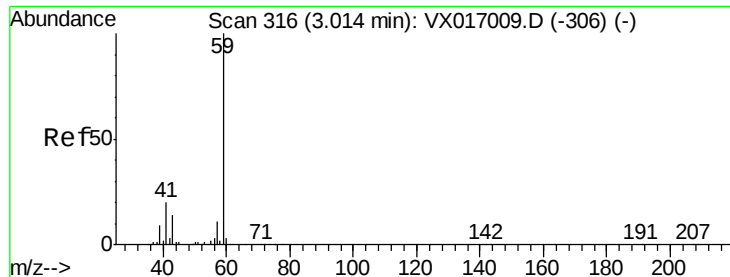


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

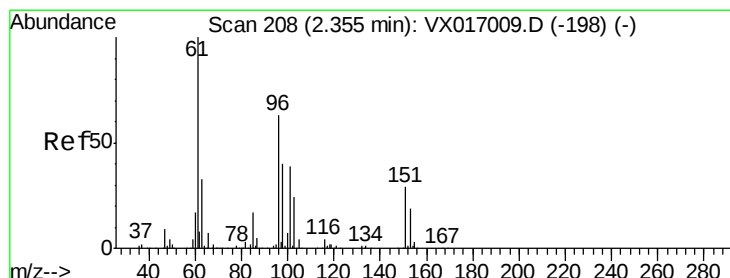
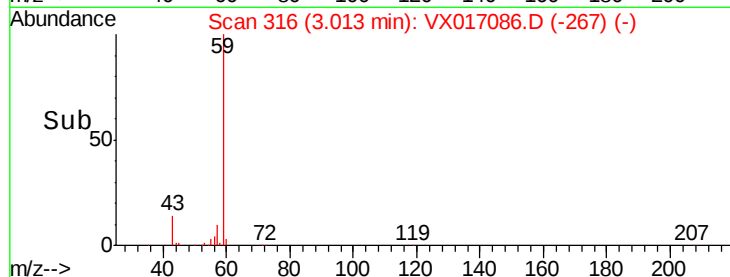
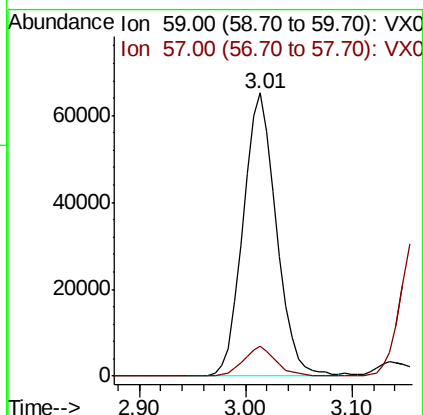
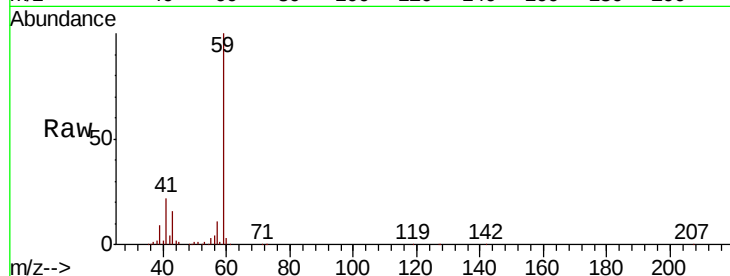




#11
Tert butyl alcohol
Concen: 226.695 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

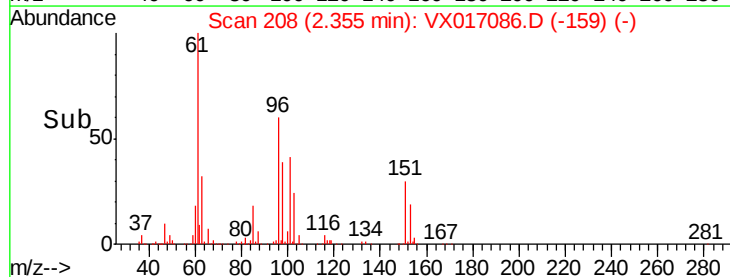
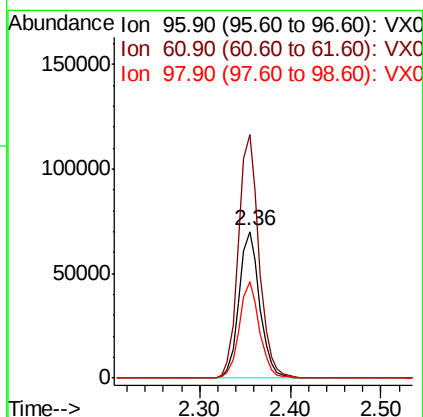
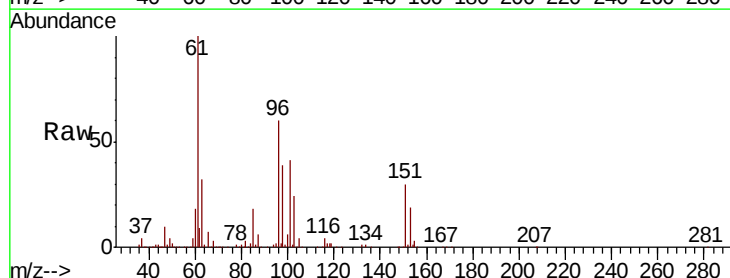
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

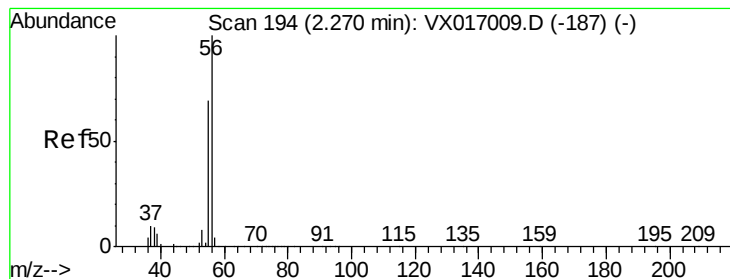
Tot Ion: 59 Resp: 142800
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 42.007 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 96 Resp: 111317
Ion Ratio Lower Upper
96 100
61 166.2 126.3 189.5
98 65.5 51.0 76.6





#13

Acrolein

Concen: 204.263 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

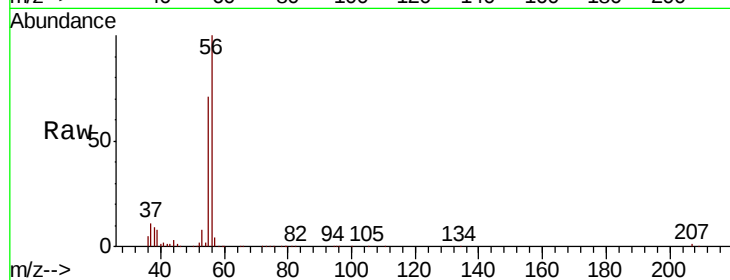
VSTDCCC050

Tot Ion: 56 Resp: 76916

Ion Ratio Lower Upper

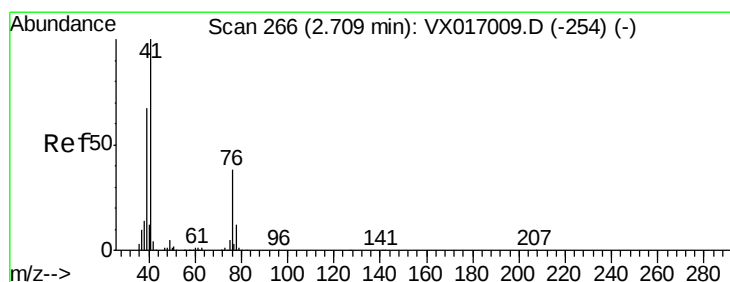
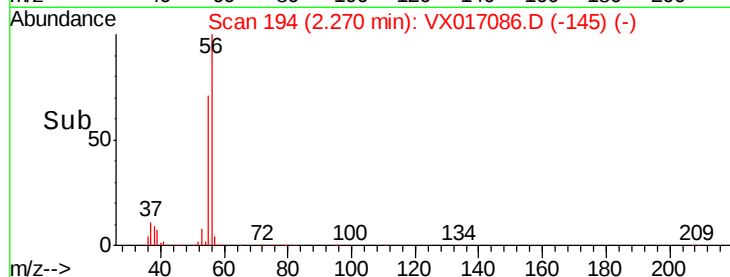
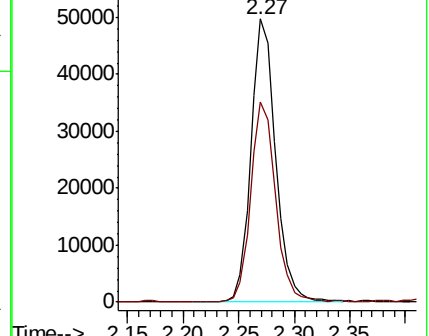
56 100

55 70.3 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.338 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

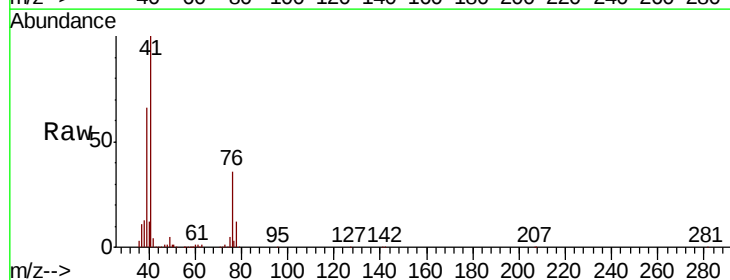
Tgt Ion: 41 Resp: 222033

Ion Ratio Lower Upper

41 100

39 63.6 49.4 74.2

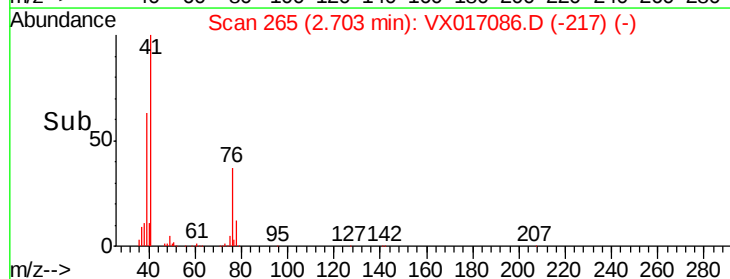
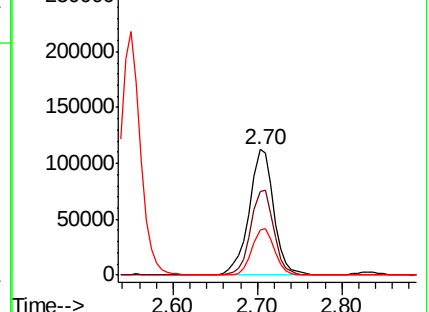
76 33.8 26.8 40.2

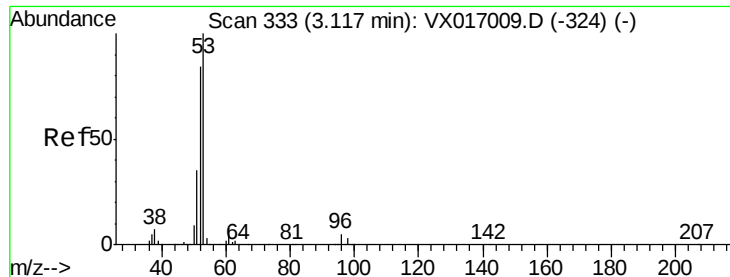


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 229.540 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

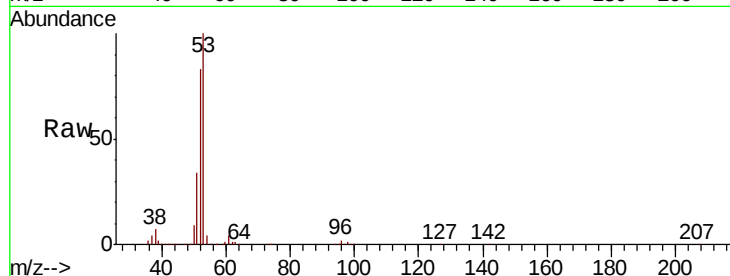
Tot Ion: 53 Resp: 347593

Ion Ratio Lower Upper

53 100

52 83.0 65.6 98.4

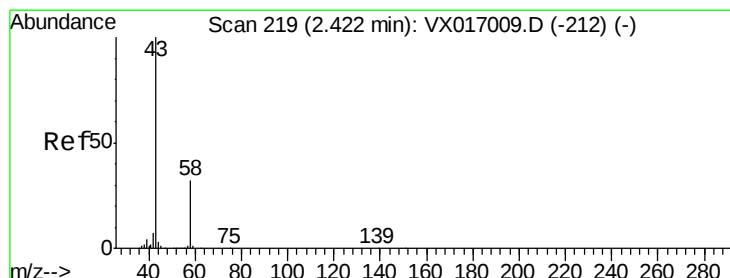
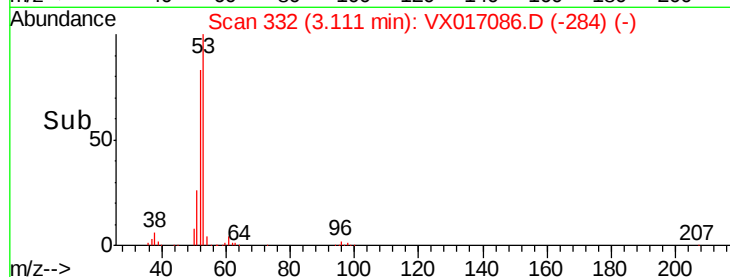
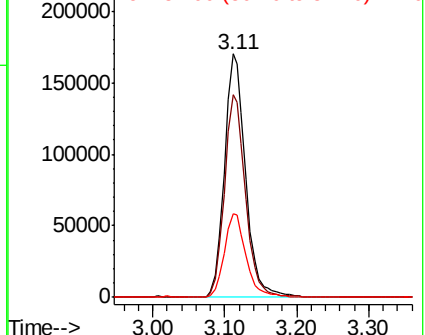
51 35.4 28.3 42.5



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: 205.754 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017086.D

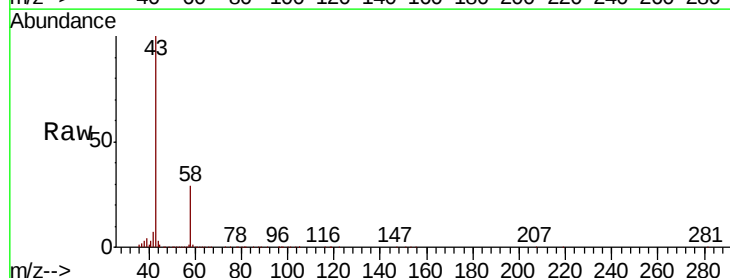
Acq: 01 Jul 2020 10:10

Tgt Ion: 43 Resp: 254155

Ion Ratio Lower Upper

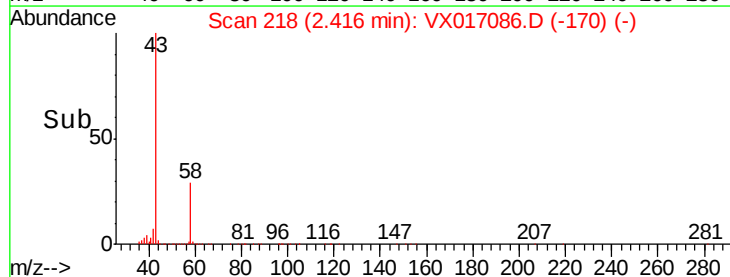
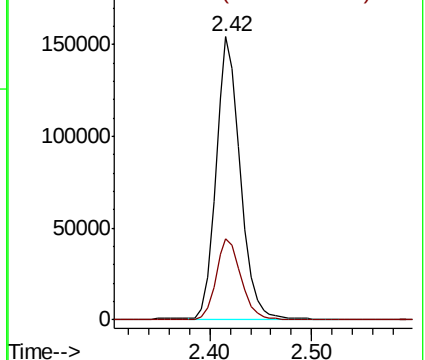
43 100

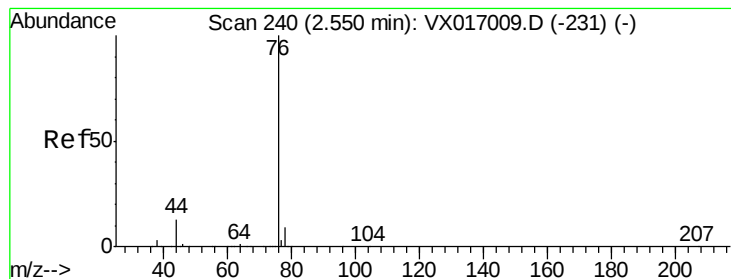
58 28.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.141 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

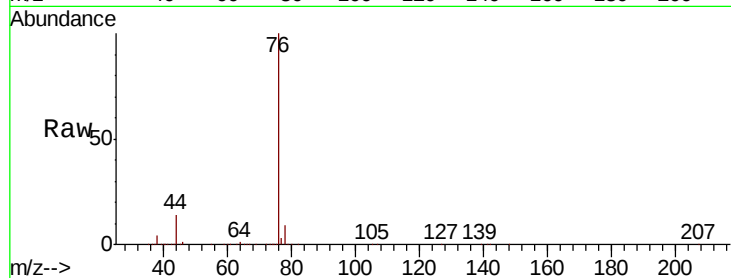
VSTDCCC050

Tot Ion: 76 Resp: 355983

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

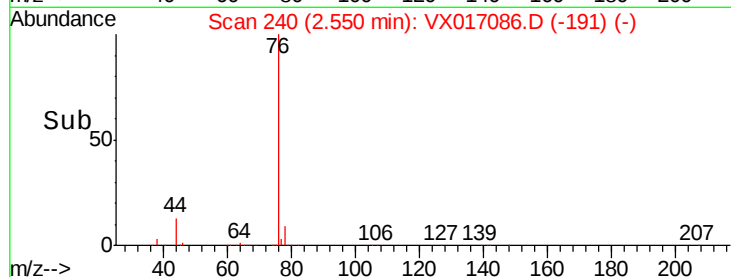
150000

100000

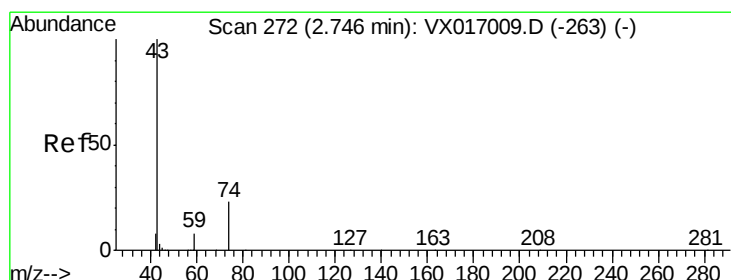
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 46.116 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX017086.D

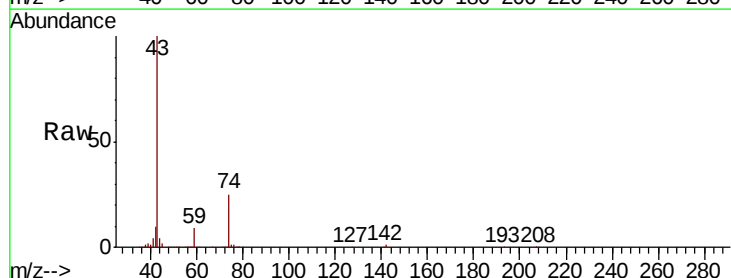
Acq: 01 Jul 2020 10:10

Tgt Ion: 43 Resp: 148707

Ion Ratio Lower Upper

43 100

74 25.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

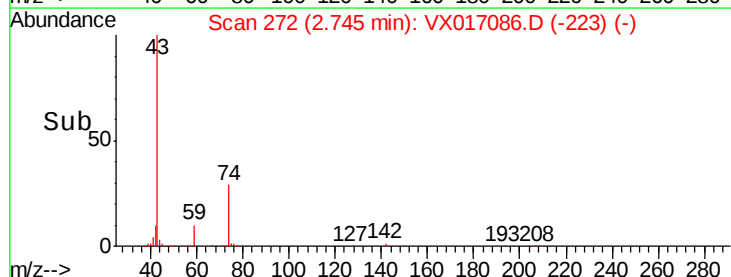
60000

40000

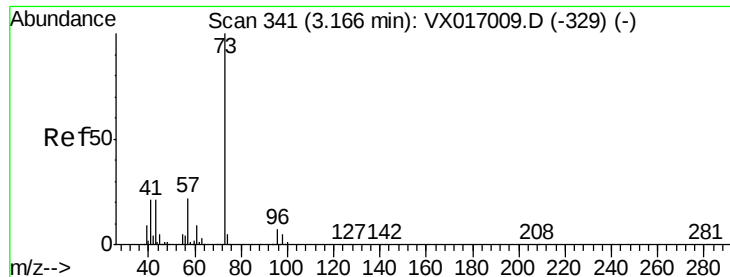
20000

0

Time-->



Time-->

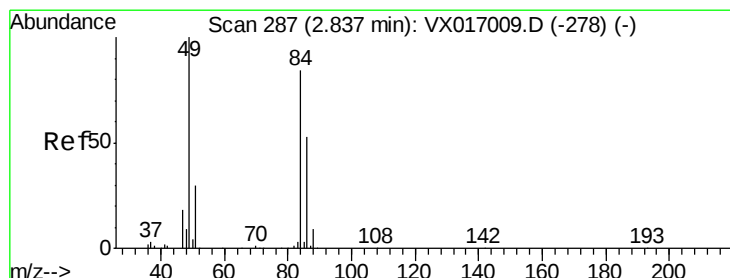
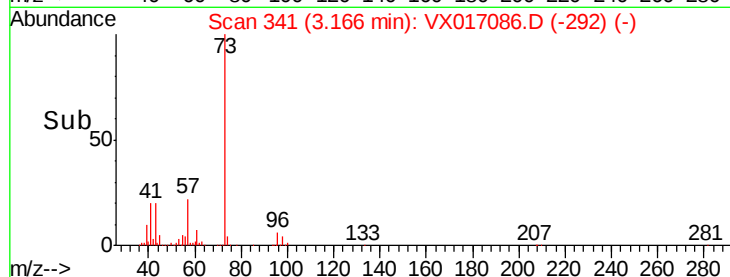
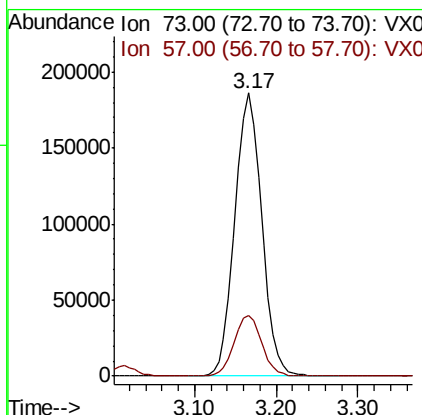
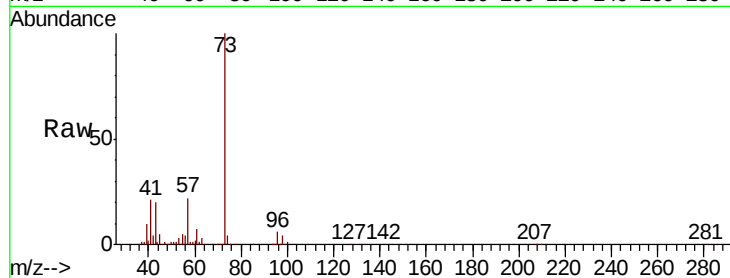


#19

Methyl tert-butyl Ether
 Concen: 47.892 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

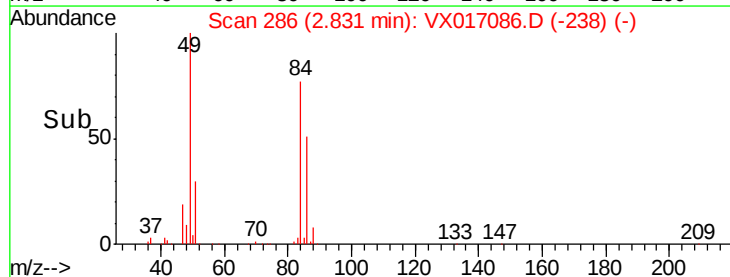
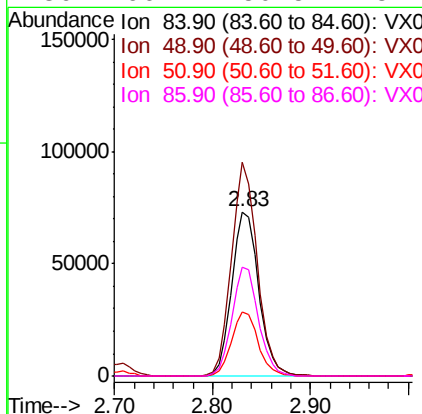
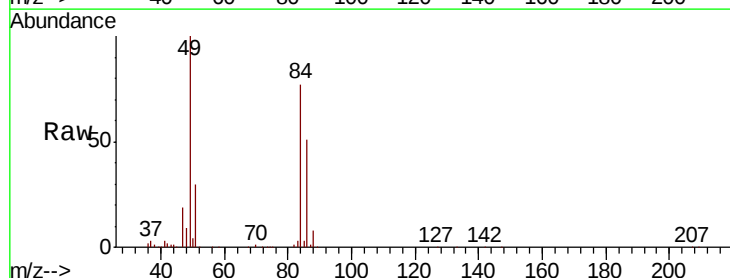
Tot Ion: 73 Resp: 425939
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.6 26.4

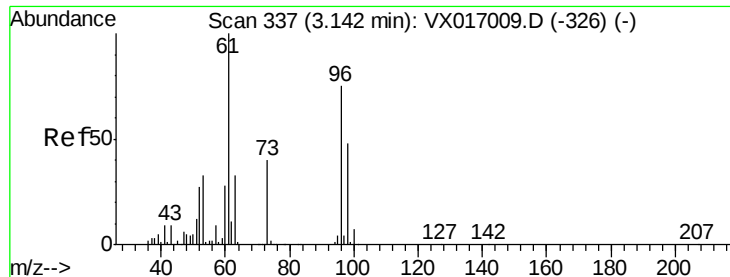


#20

Methylene Chloride
 Concen: 49.640 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 84 Resp: 140644
 Ion Ratio Lower Upper
 84 100
 49 130.3 94.7 142.1
 51 39.0 28.6 42.8
 86 66.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.537 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

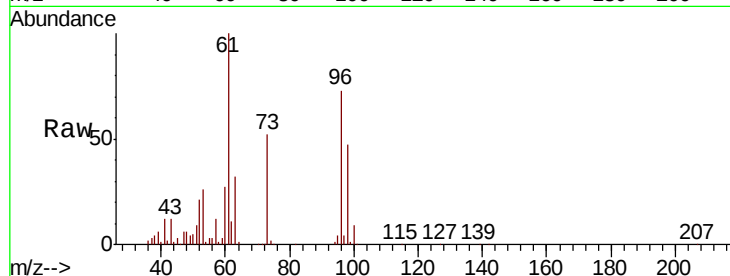
Tot Ion: 96 Resp: 139796

Ion Ratio Lower Upper

96 100

61 137.8 107.0 160.6

98 64.9 51.6 77.4

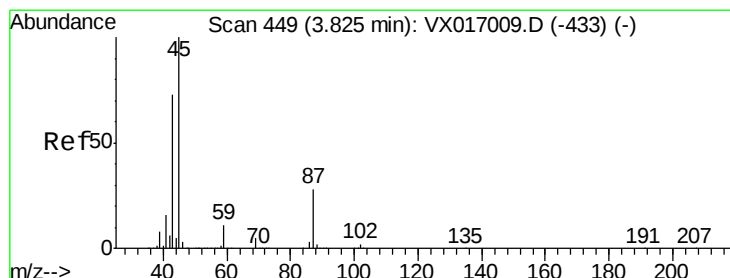
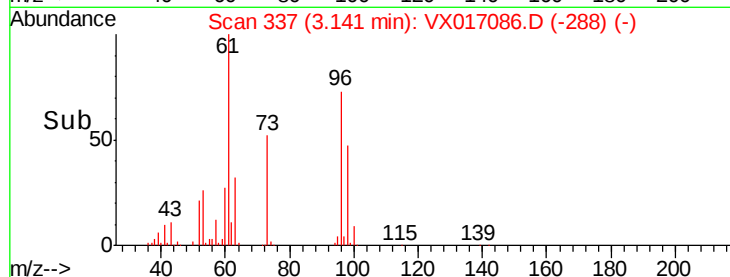
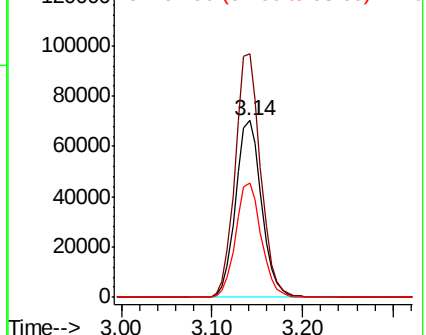


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.801 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Tgt Ion: 45 Resp: 433271

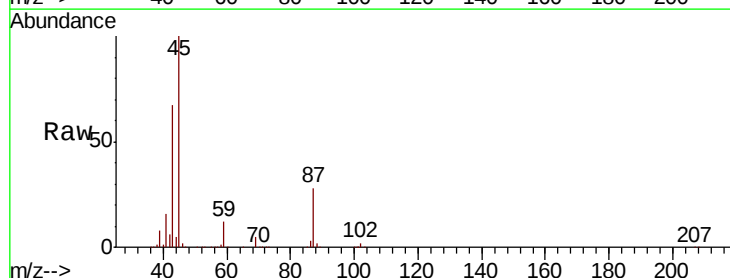
Ion Ratio Lower Upper

45 100

43 67.2 58.6 88.0

87 27.9 22.6 34.0

59 11.5 8.7 13.1



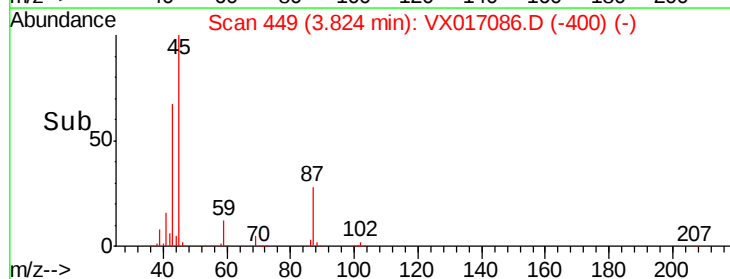
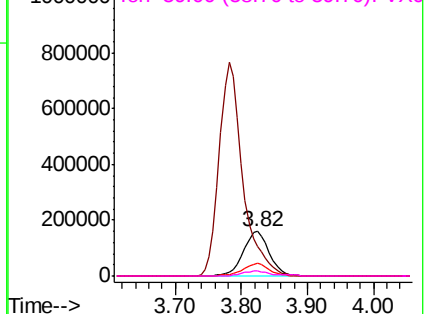
Abundance

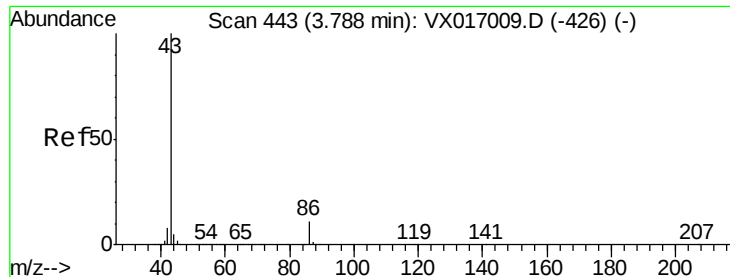
Ion 45.00 (44.70 to 45.70): VX0

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: 244.761 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

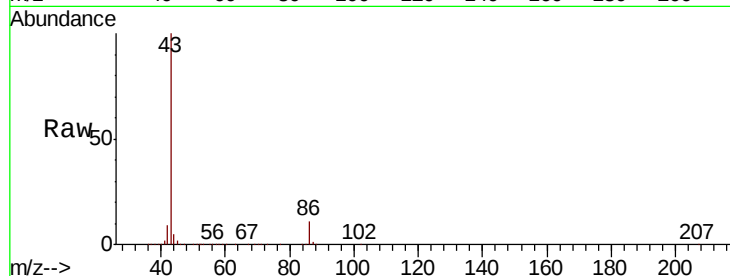
VSTDCCC050

Tot Ion: 43 Resp: 1906406

Ion Ratio Lower Upper

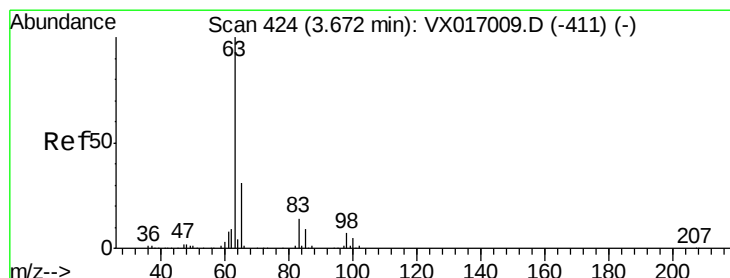
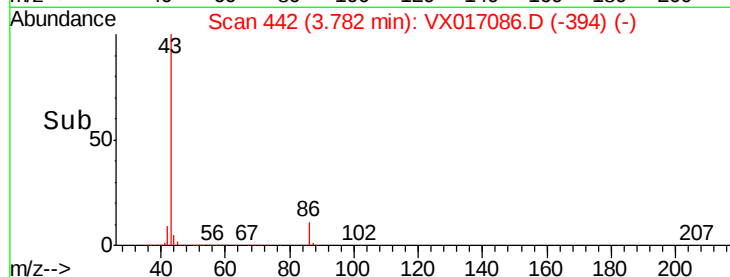
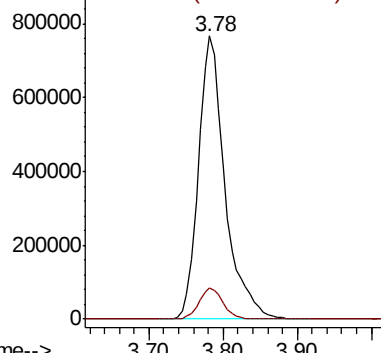
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 46.977 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

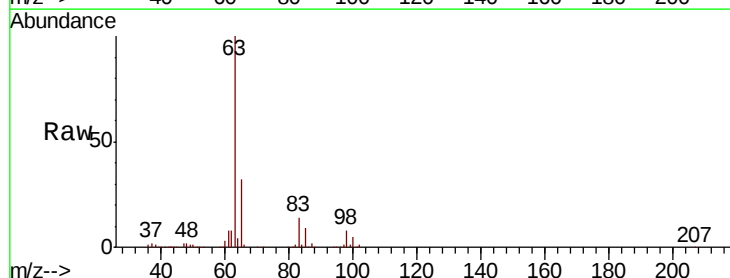
Tgt Ion: 63 Resp: 242279

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.8

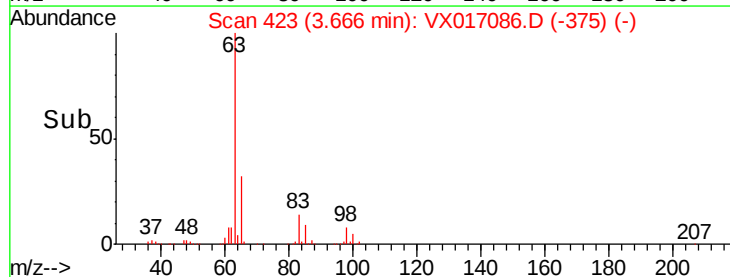
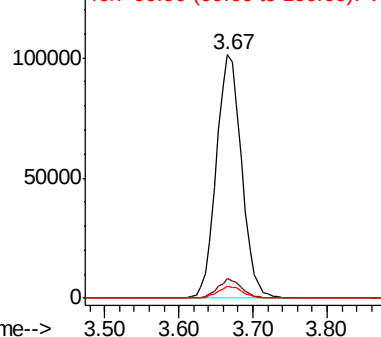
100 4.9 2.4 7.1

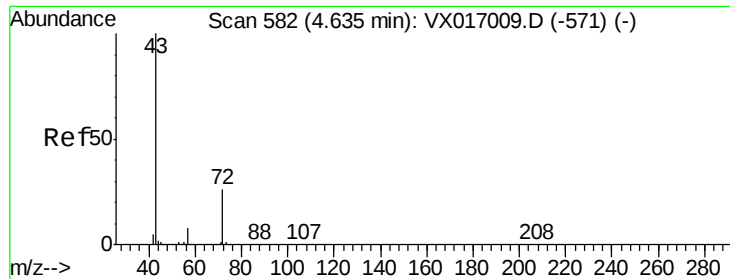


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

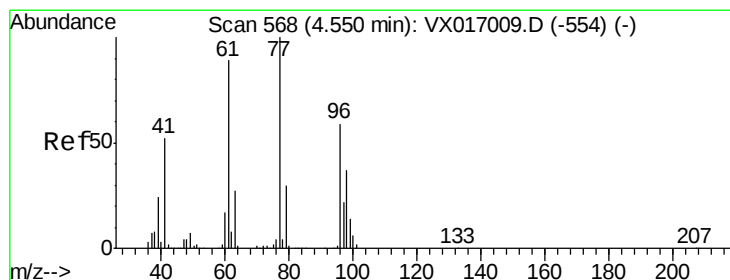
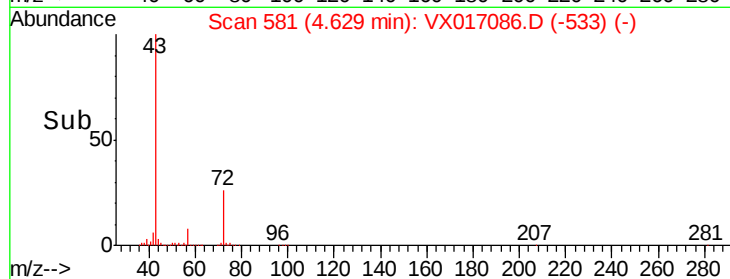
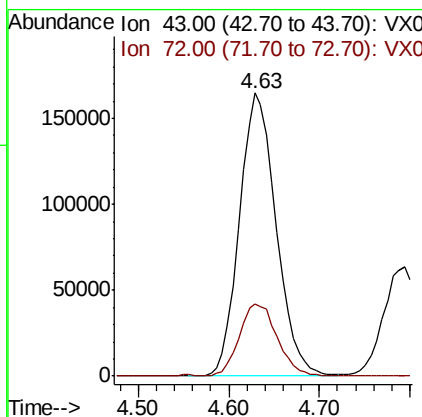
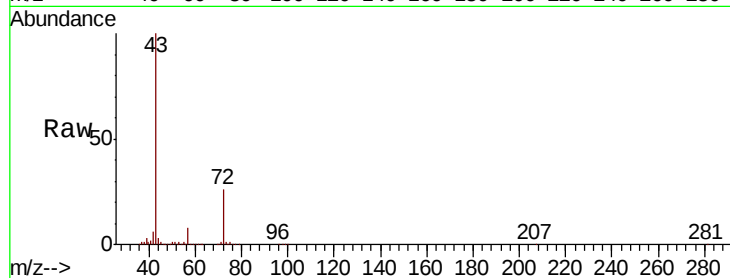




#25
2-Butanone
Concen: 223.201 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

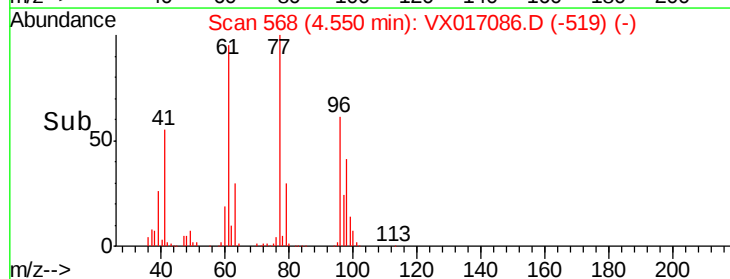
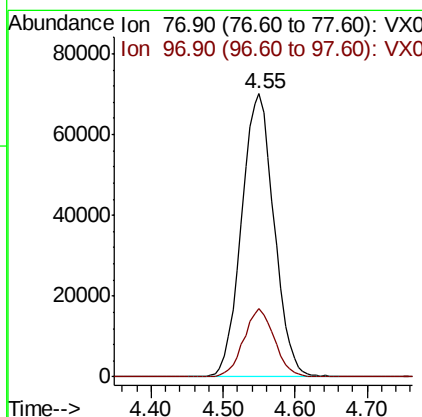
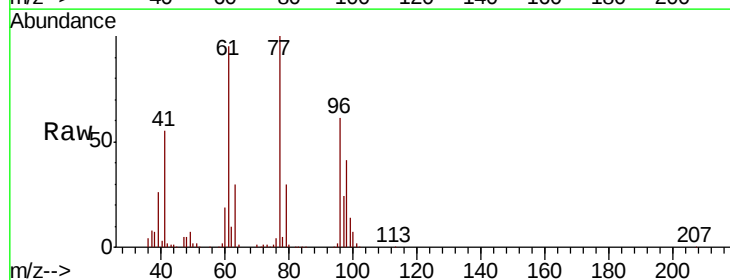
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

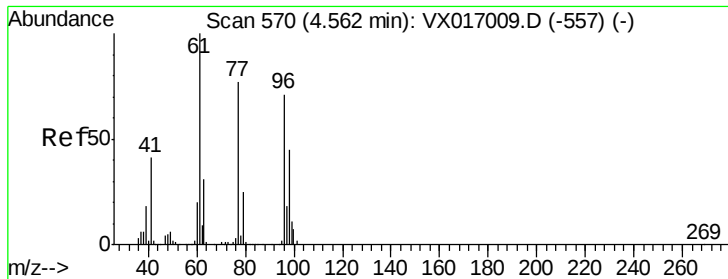
Tot Ion: 43 Resp: 459399
Ion Ratio Lower Upper
43 100
72 25.6 20.8 31.2



#26
2,2-Dichloropropane
Concen: 47.997 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 77 Resp: 219791
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2



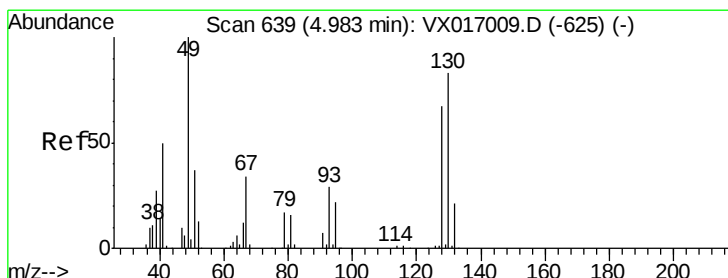
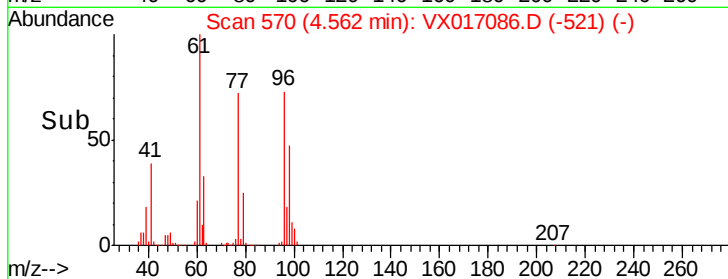
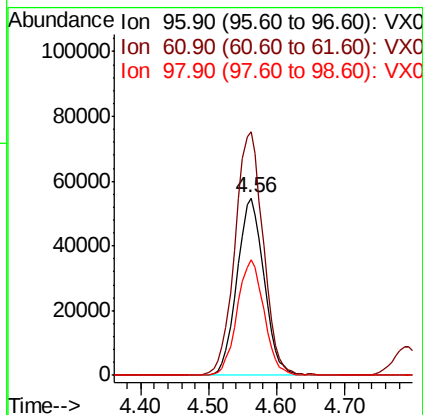
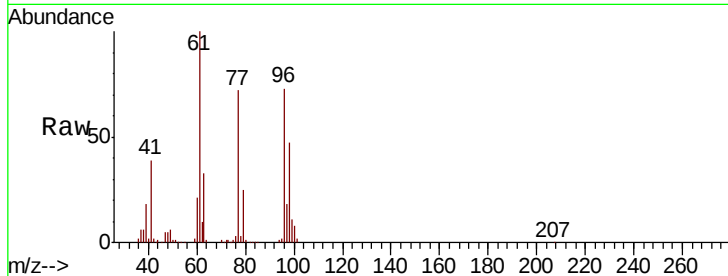


#27

cis-1,2-Dichloroethene
Concen: 45.483 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

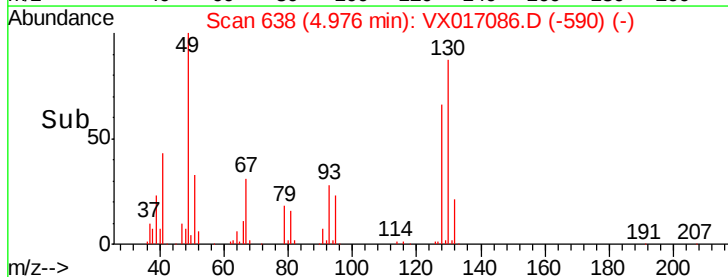
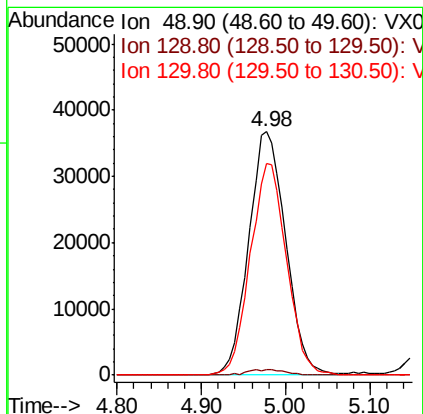
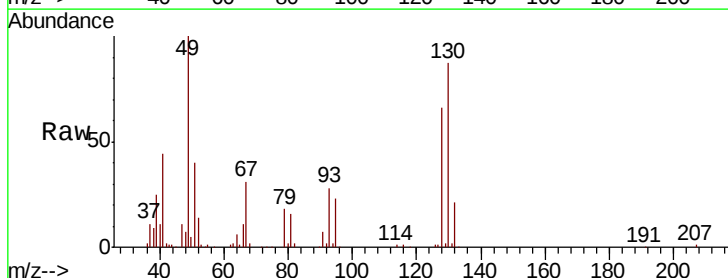
Tot Ion	96	Resp	151551
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	282.8
98	64.7	0.0	127.6

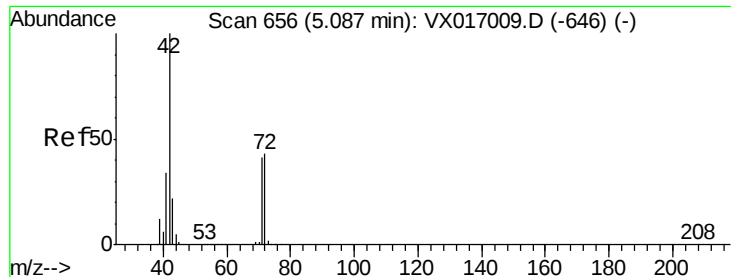


#28

Bromochloromethane
Concen: 43.931 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion	49	Resp	110253
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	85.0	66.6	100.0





#29

Tetrahydrofuran

Concen: 226.530 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

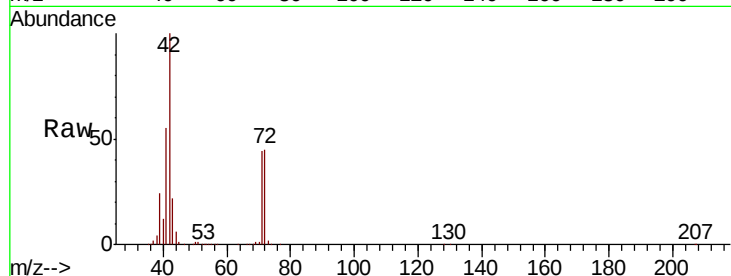
Tot Ion: 42 Resp: 308062

Ion Ratio Lower Upper

42 100

72 44.9 35.3 52.9

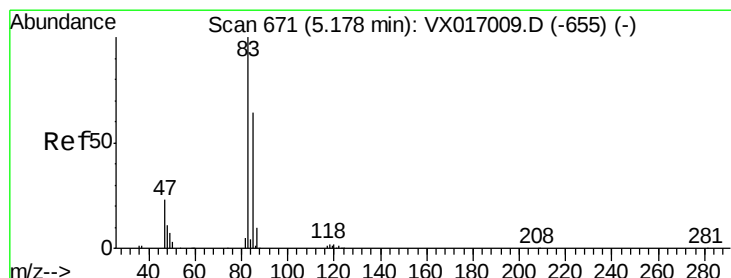
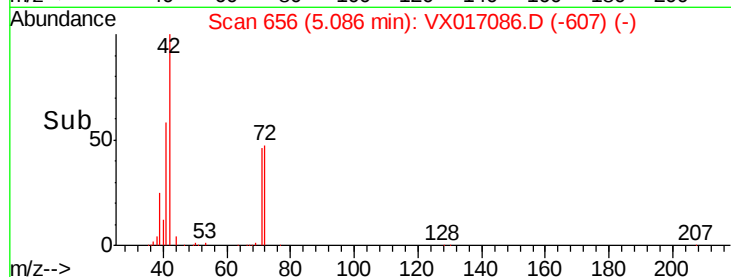
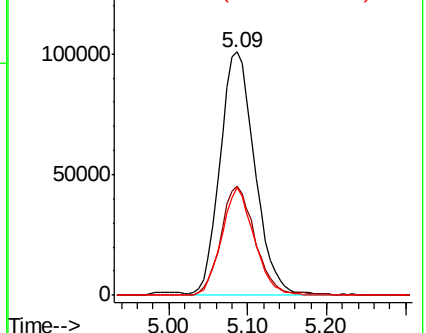
71 41.6 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 47.586 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017086.D

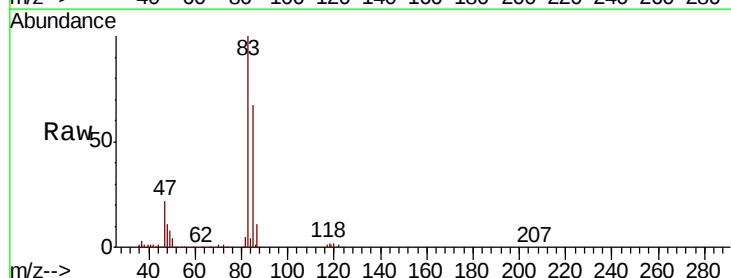
Acq: 01 Jul 2020 10:10

Tgt Ion: 83 Resp: 251584

Ion Ratio Lower Upper

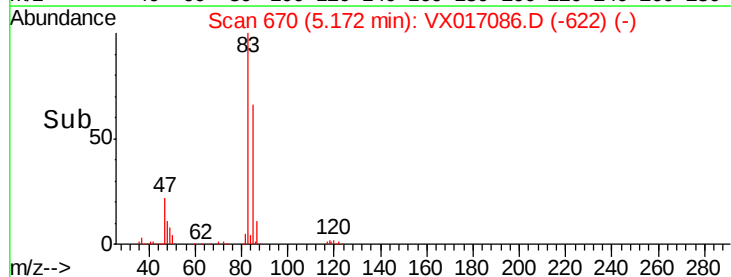
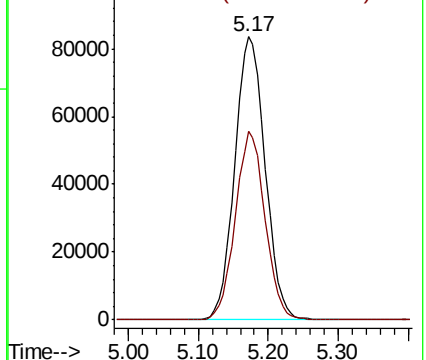
83 100

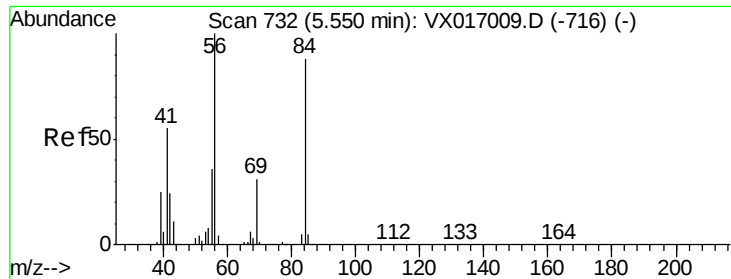
85 66.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

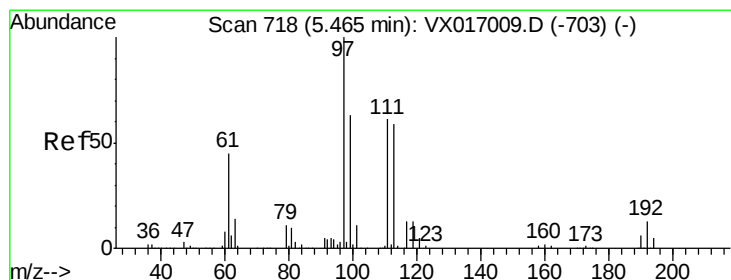
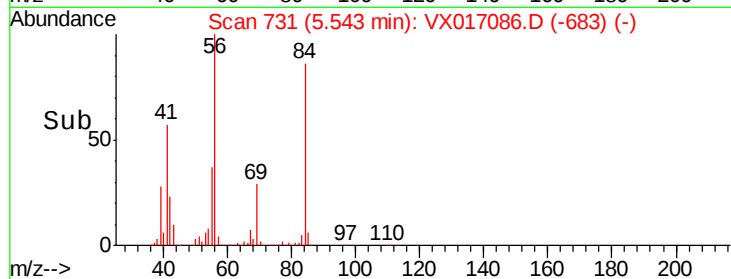
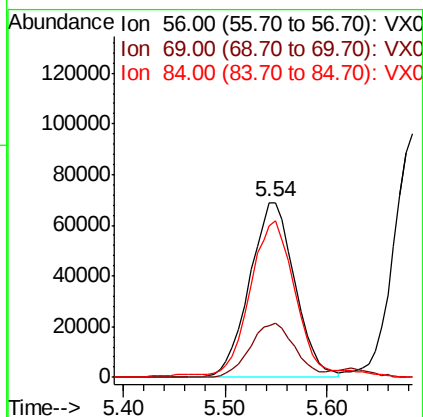
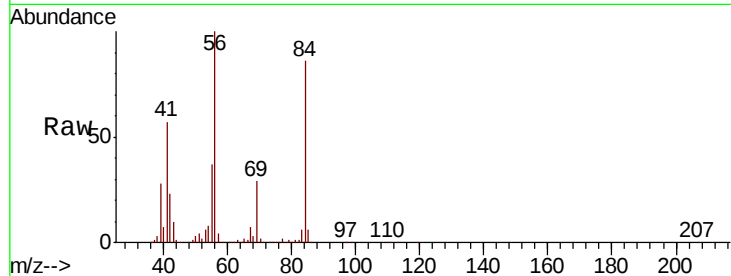




#31
Cvclohexane
Concen: 47.719 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

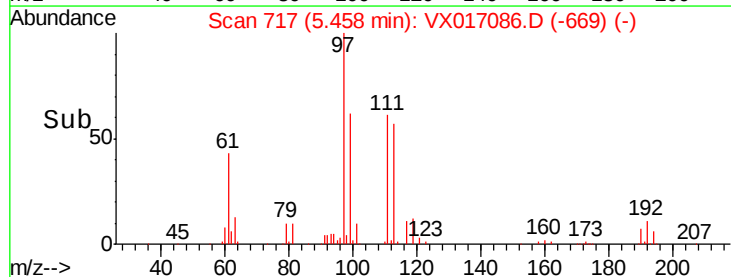
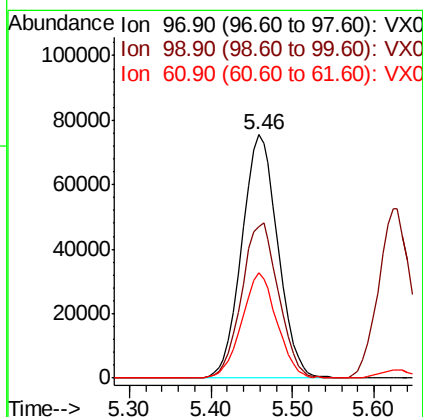
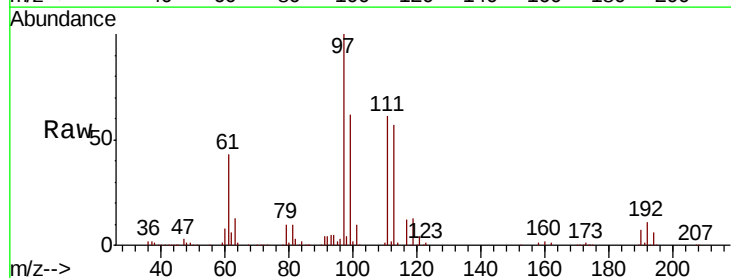
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

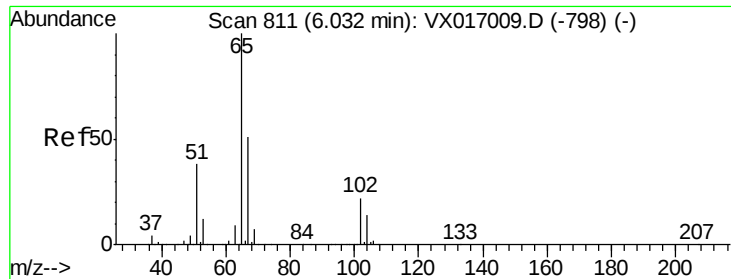
Tot Ion: 56 Resp: 212729
Ion Ratio Lower Upper
56 100
69 29.1 25.0 37.4
84 84.6 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 47.625 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 97 Resp: 231884
Ion Ratio Lower Upper
97 100
99 65.2 50.8 76.2
61 42.1 33.7 50.5

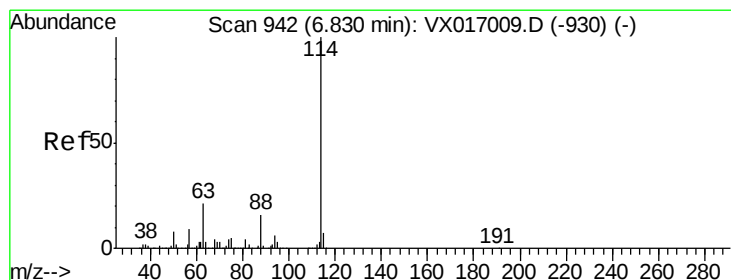
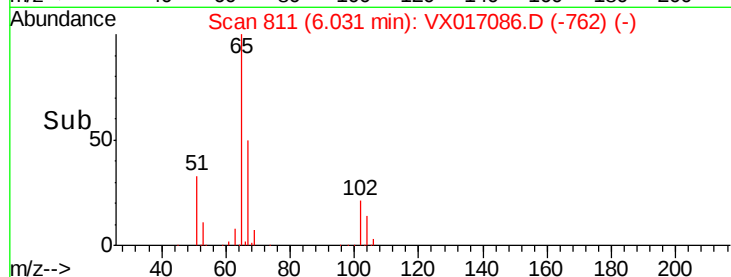
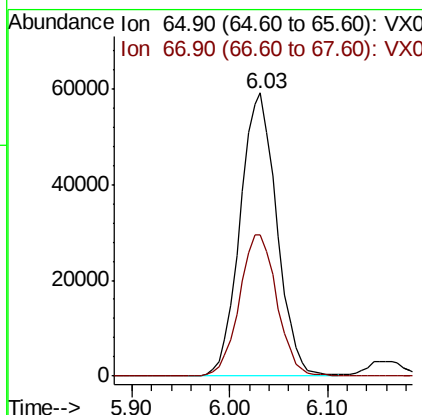
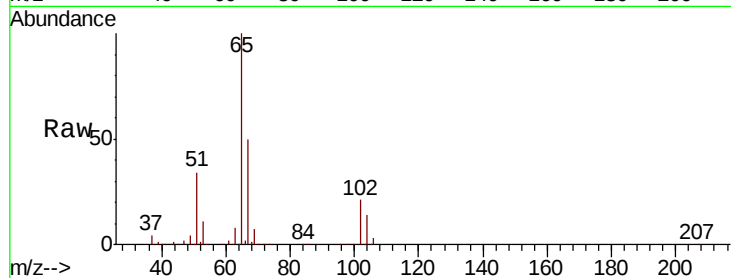




#33
 1,2-Dichloroethane-d4
 Concen: 46.614 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

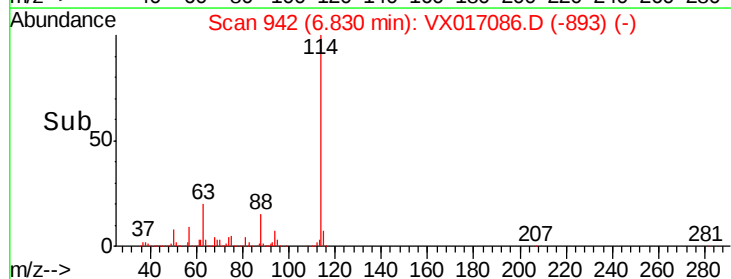
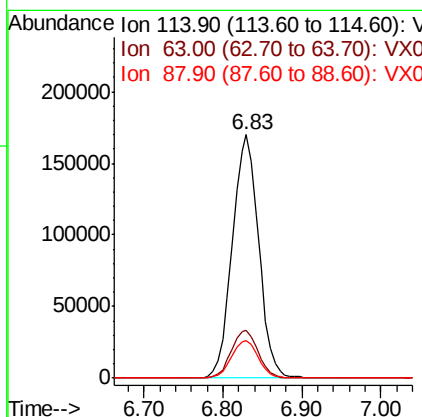
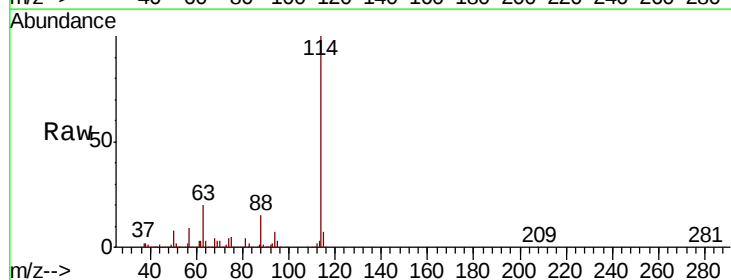
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

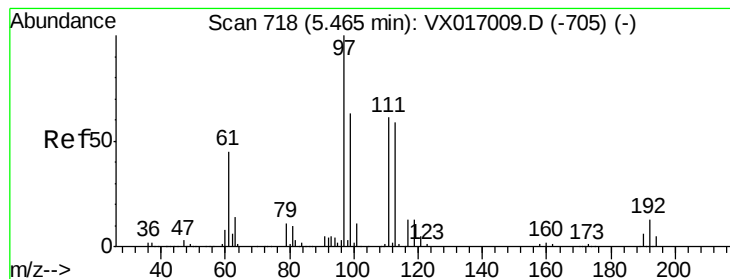
Tot Ion: 65 Resp: 153918
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 114 Resp: 394502
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.747 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

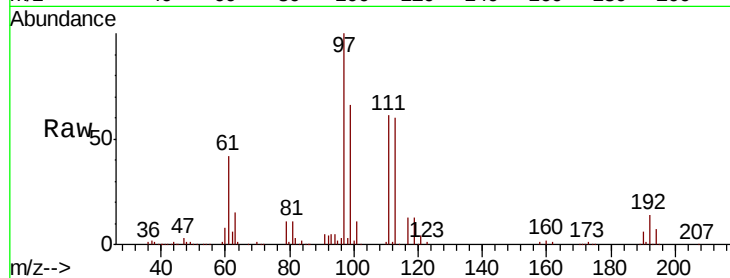
Tot Ion:113 Resp: 126638

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

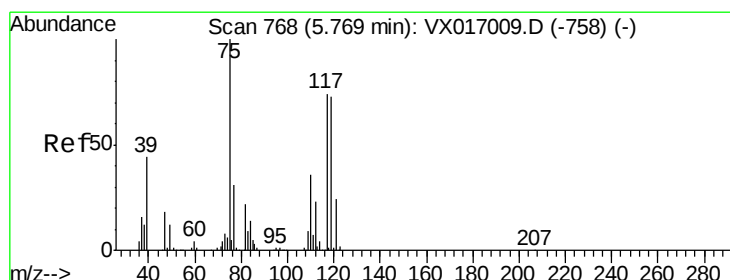
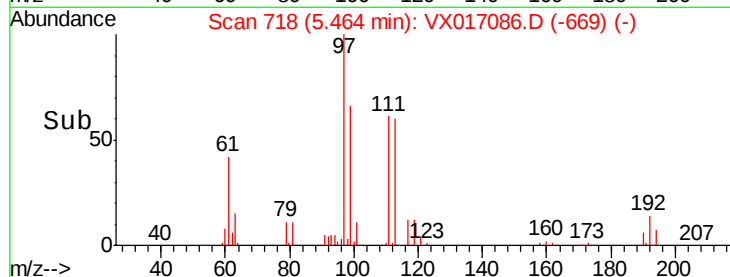
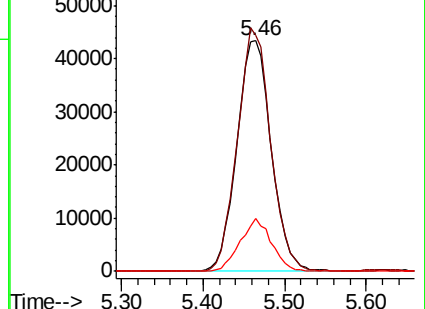
192 21.2 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.465 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

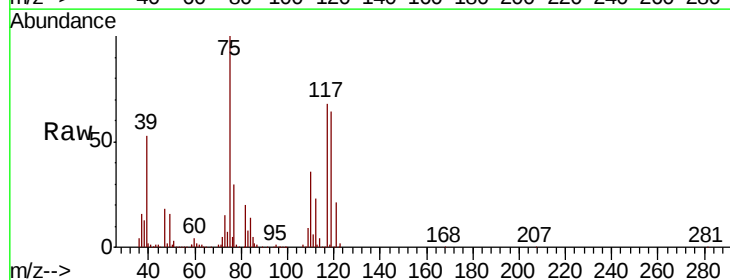
Tgt Ion: 75 Resp: 188159

Ion Ratio Lower Upper

75 100

110 37.4 18.1 54.1

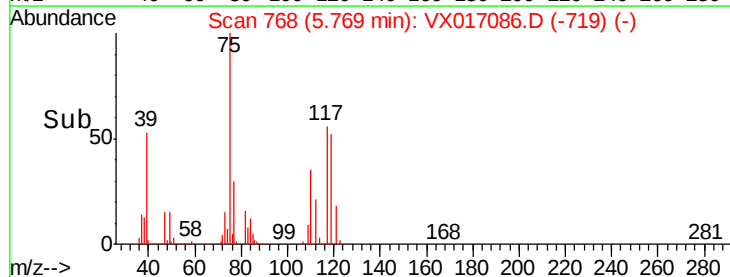
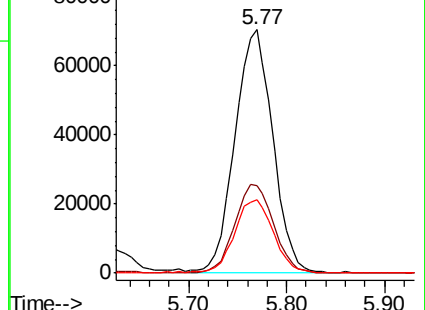
77 30.9 24.6 37.0

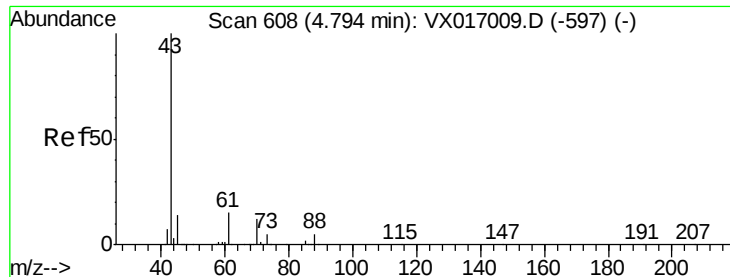


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

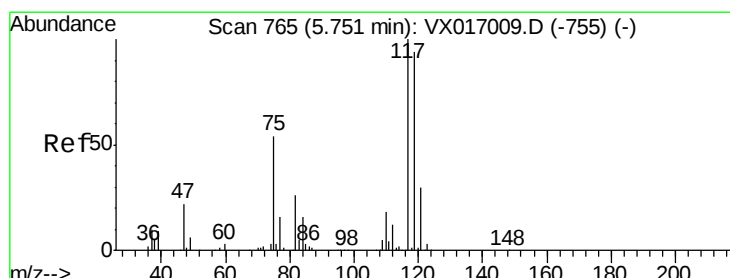
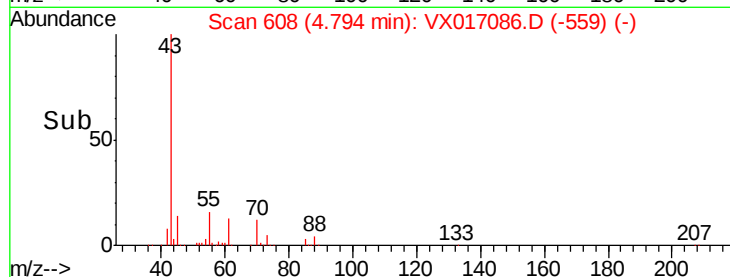
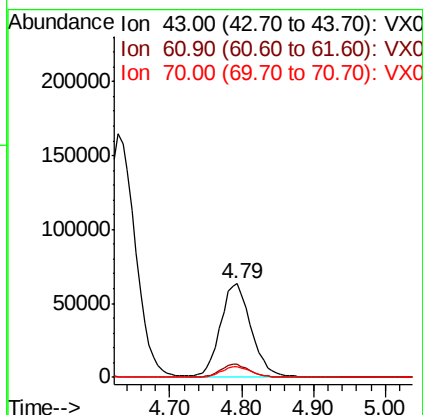
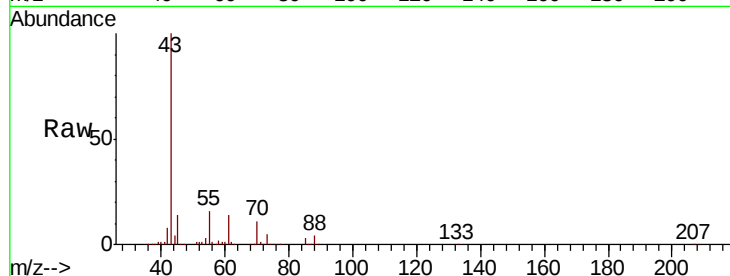




#37
Ethyl Acetate
Concen: 49.385 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

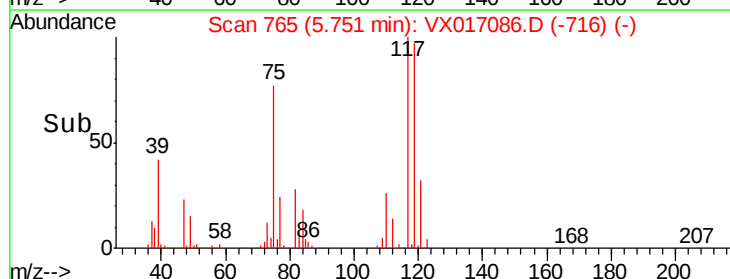
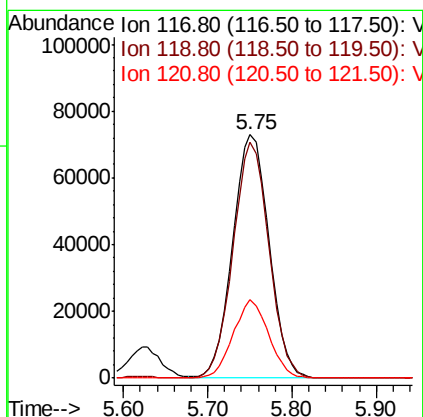
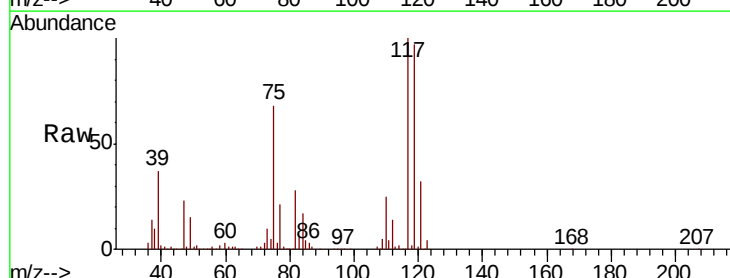
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

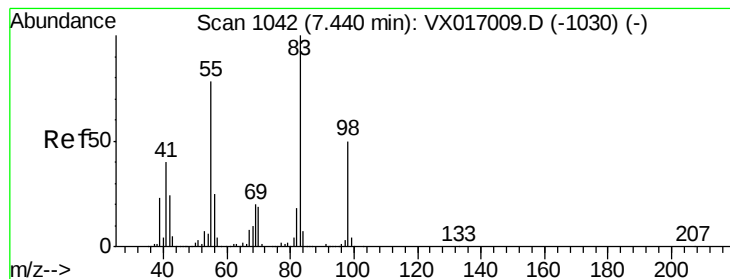
Tot Ion: 43 Resp: 186825
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 11.2 8.9 13.3



#38
Carbon Tetrachloride
Concen: 52.018 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 117 Resp: 213623
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.0
121 32.1 23.8 35.6





#39

Methvlcvclohexane

Concen: 53.117 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

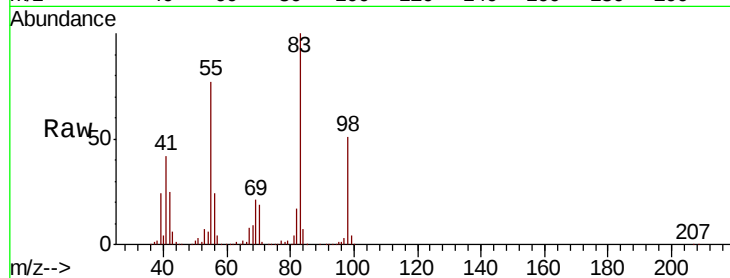
Tot Ion: 83 Resp: 220353

Ion Ratio Lower Upper

83 100

55 76.7 62.5 93.7

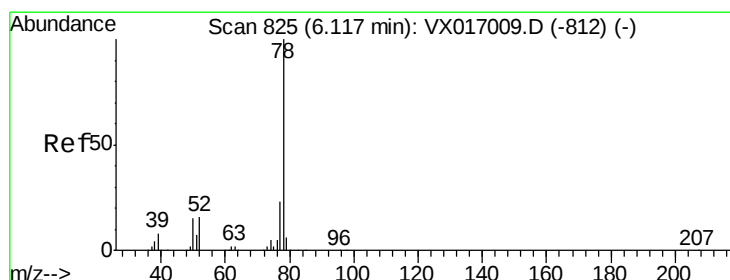
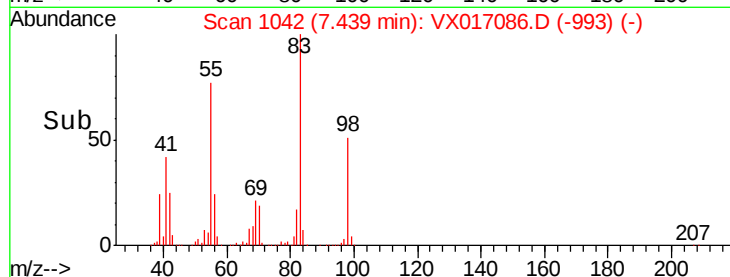
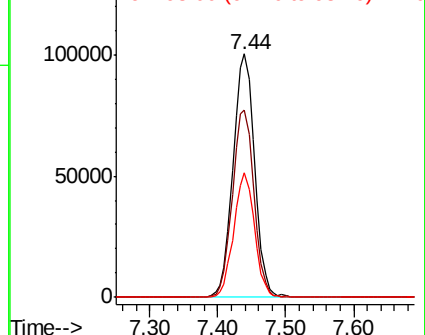
98 51.3 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 50.110 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX017086.D

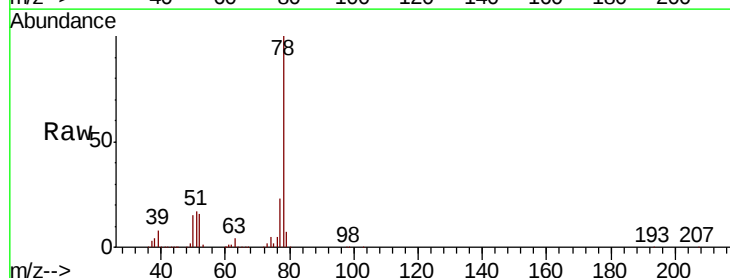
Acq: 01 Jul 2020 10:10

Tgt Ion: 78 Resp: 548959

Ion Ratio Lower Upper

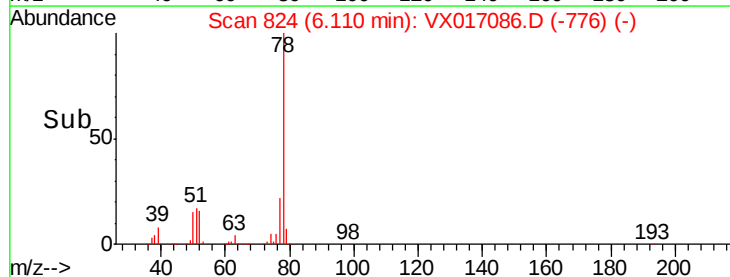
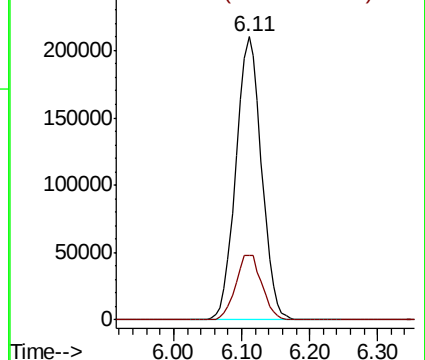
78 100

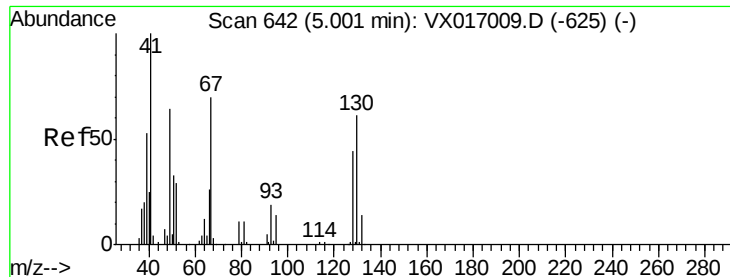
77 22.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

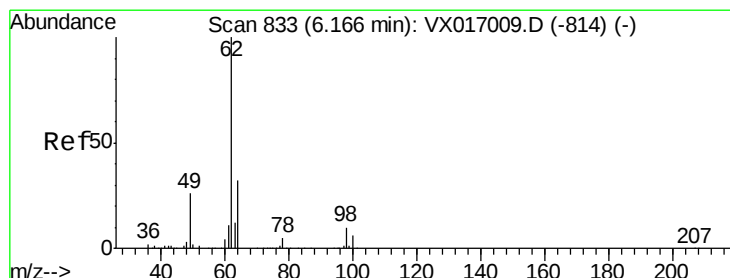
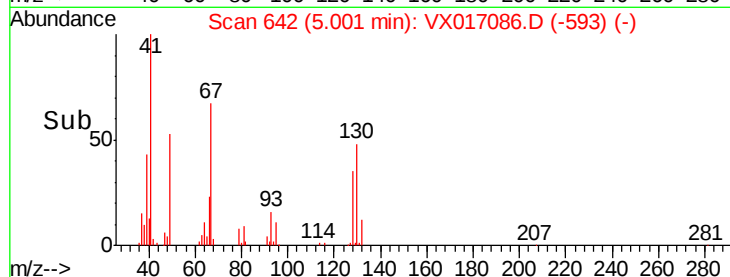
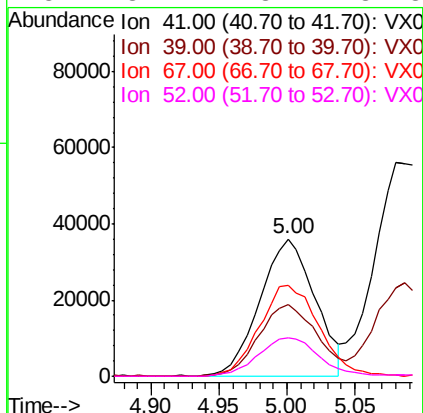
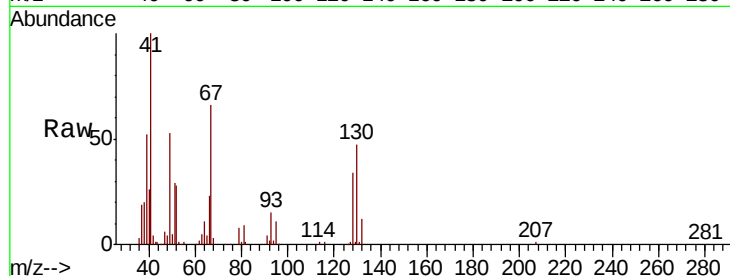




#41
Methacrylonitrile
Concen: 47.773 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

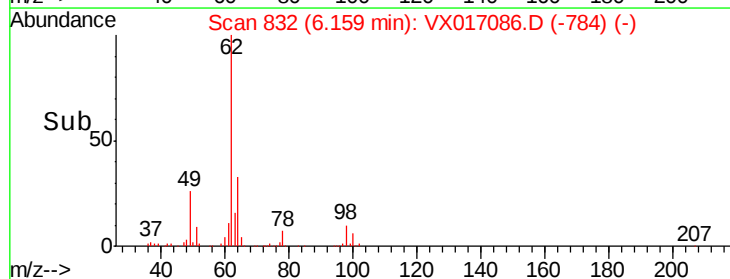
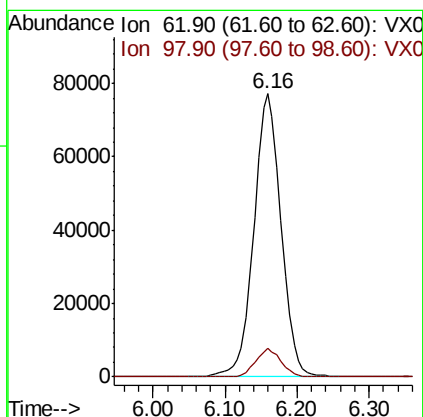
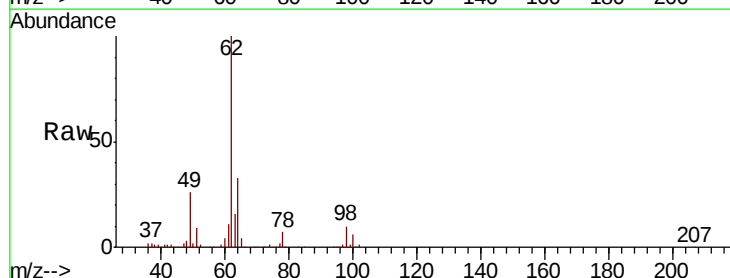
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

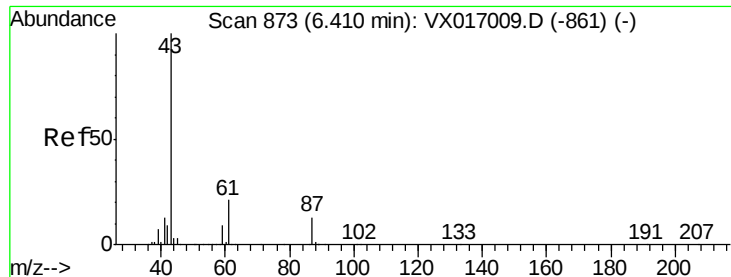
Tot Ion:	41	Resp:	101717
Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.4	66.6
67	71.9	57.1	85.7
52	31.2	23.2	34.8



#42
1,2-Dichloroethane
Concen: 51.181 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion:	62	Resp:	202526
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43

Isopropyl Acetate

Concen: 48.215 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

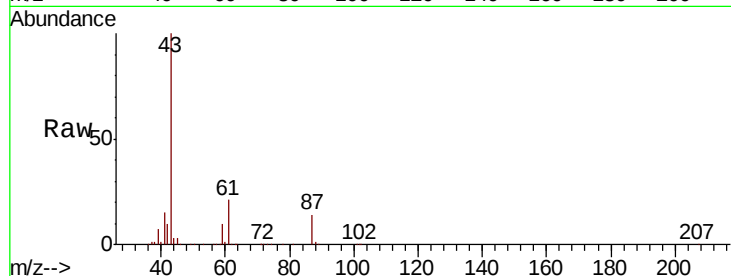
Tot Ion: 43 Resp: 303092

Ion Ratio Lower Upper

43 100

61 20.3 16.2 24.2

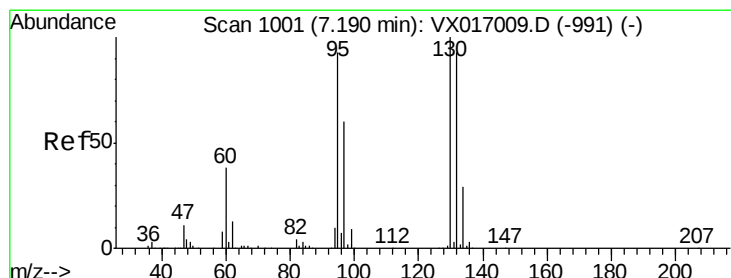
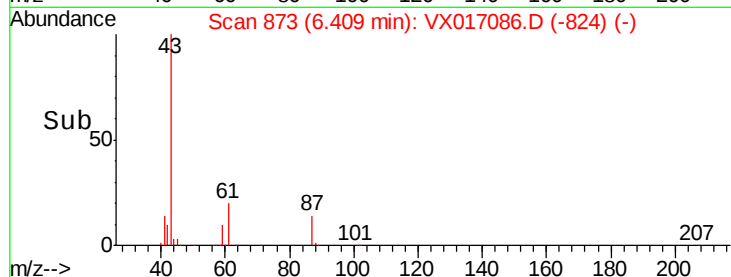
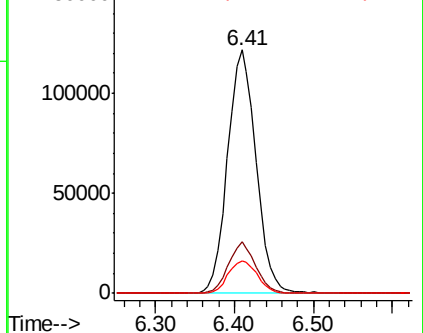
87 13.8 10.7 16.1



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: 53.040 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017086.D

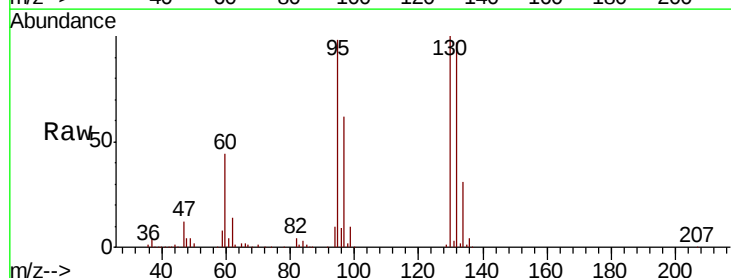
Acq: 01 Jul 2020 10:10

Tgt Ion: 130 Resp: 160286

Ion Ratio Lower Upper

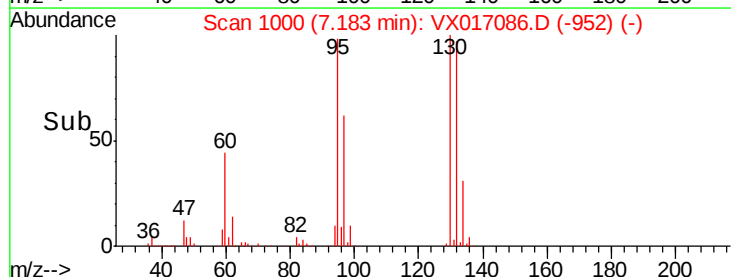
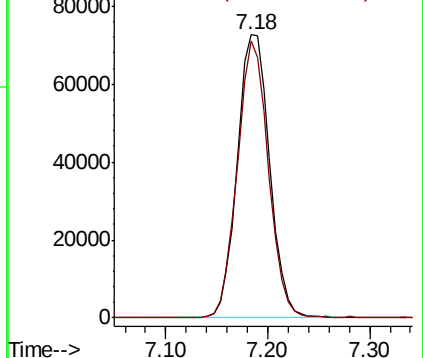
130 100

95 98.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.470 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

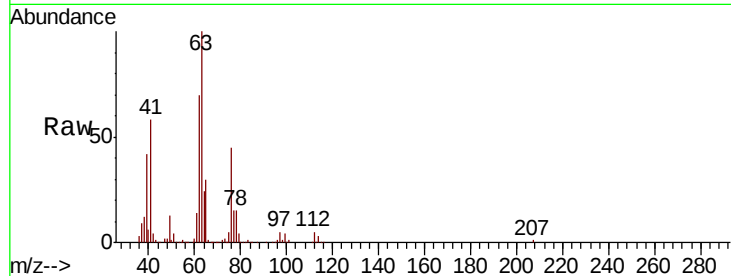
VSTDCCC050

Tot Ion: 63 Resp: 142009

Ion Ratio Lower Upper

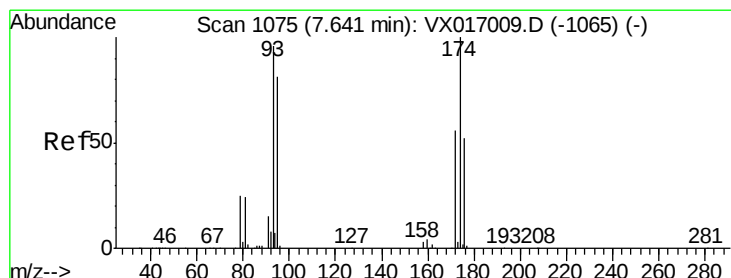
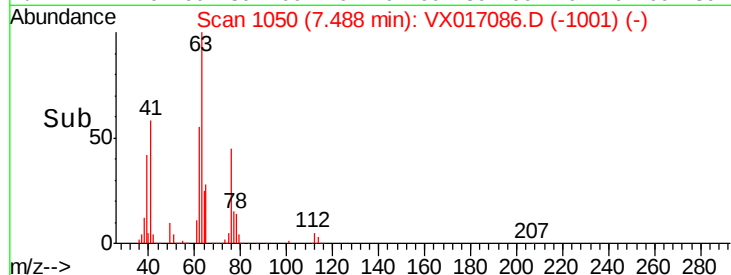
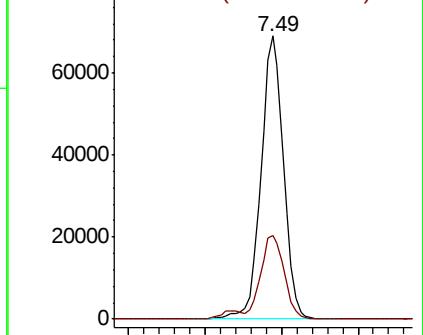
63 100

65 29.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.849 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

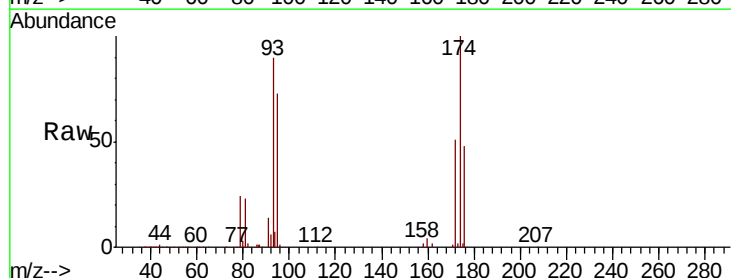
Tgt Ion: 93 Resp: 97680

Ion Ratio Lower Upper

93 100

95 82.1 67.4 101.0

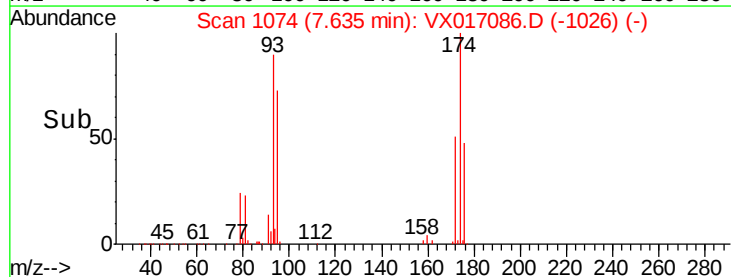
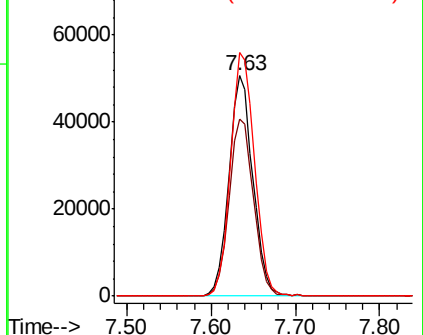
174 110.5 84.3 126.5

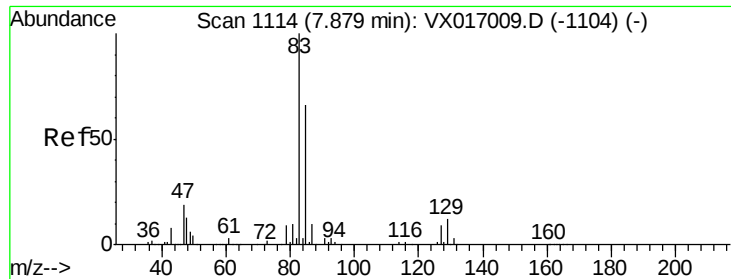


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.030 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

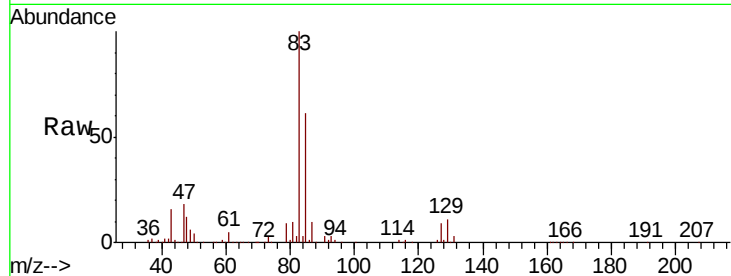
Tot Ion: 83 Resp: 205975

Ion Ratio Lower Upper

83 100

85 61.4 53.0 79.4

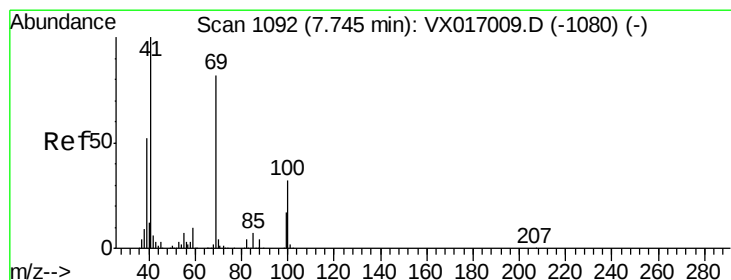
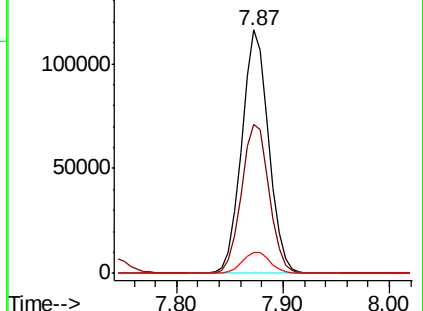
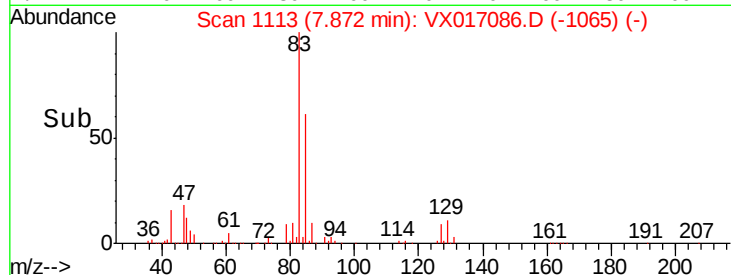
127 8.8 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.697 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

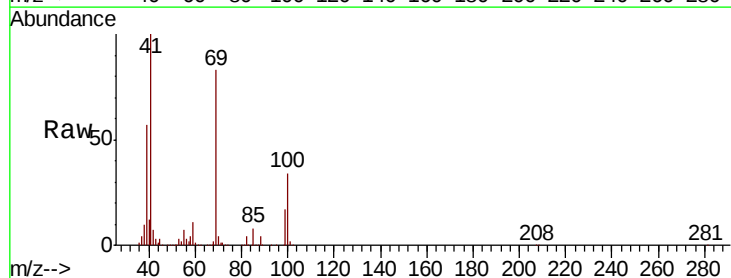
Tgt Ion: 41 Resp: 151409

Ion Ratio Lower Upper

41 100

69 84.5 65.8 98.8

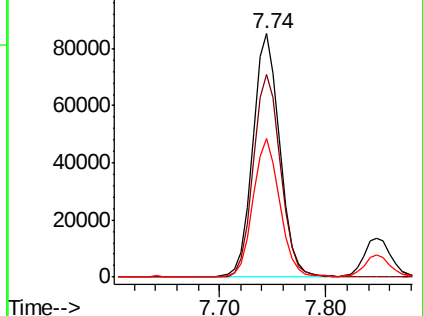
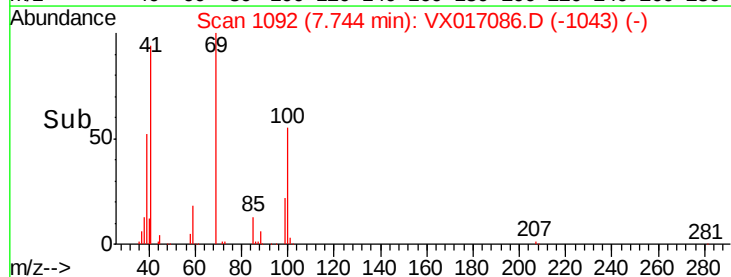
39 56.2 42.5 63.7

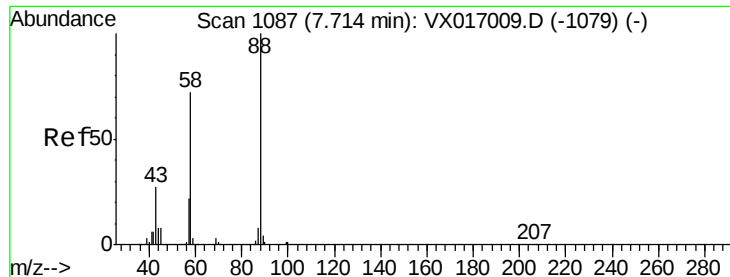


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 999.916 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

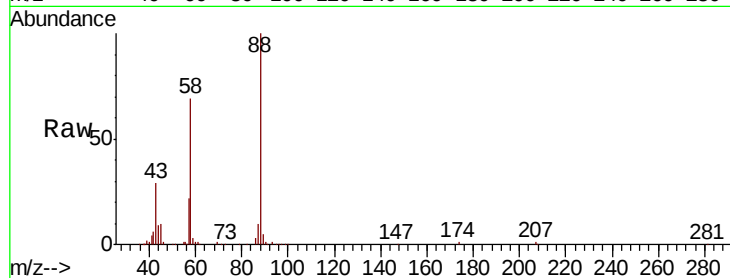
Tot Ion: 88 Resp: 67654

Ion Ratio Lower Upper

88 100

43 32.5 25.8 38.8

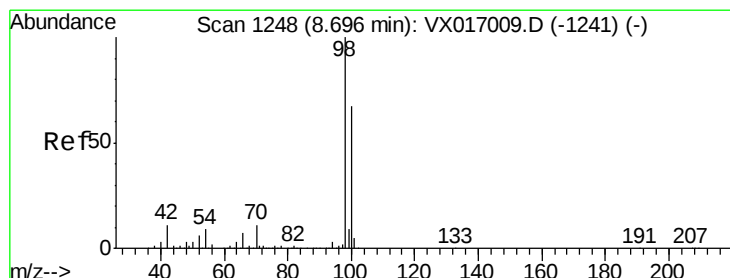
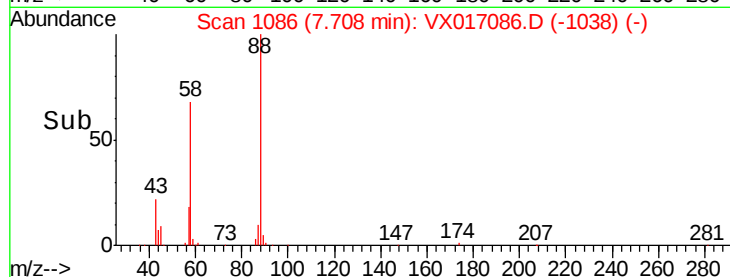
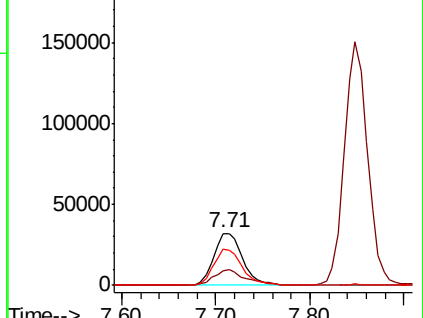
58 69.8 54.8 82.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.151 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017086.D

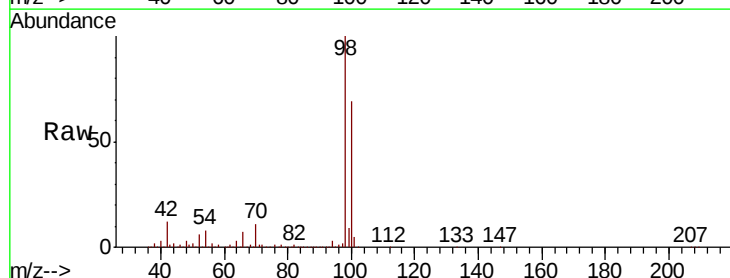
Acq: 01 Jul 2020 10:10

Tgt Ion: 98 Resp: 462789

Ion Ratio Lower Upper

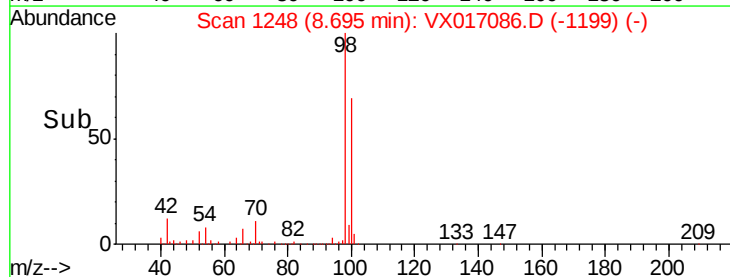
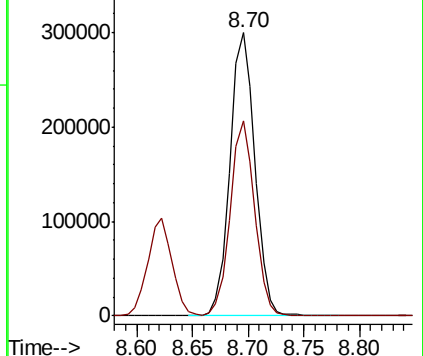
98 100

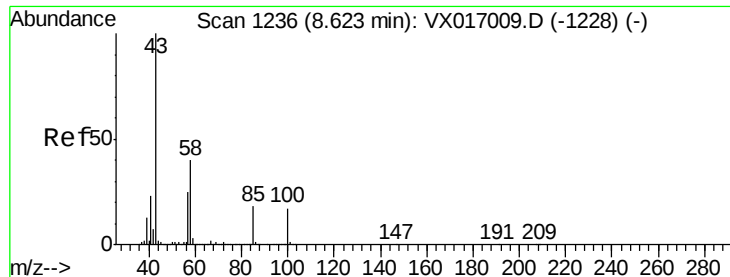
100 67.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

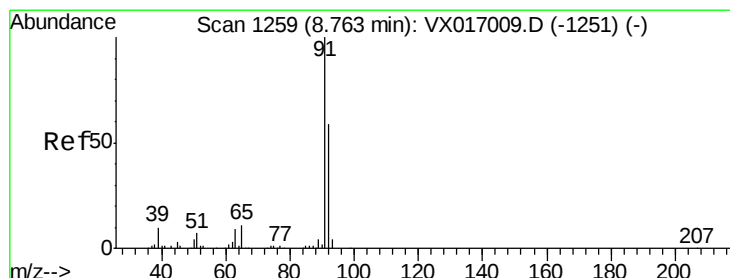
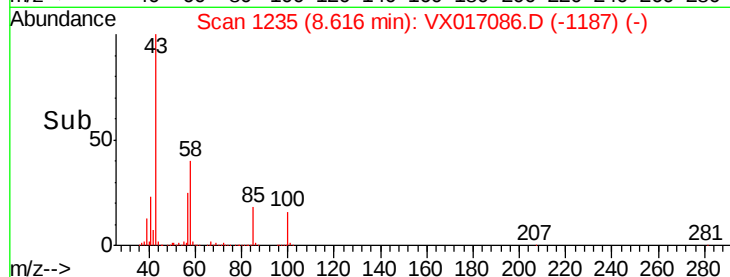
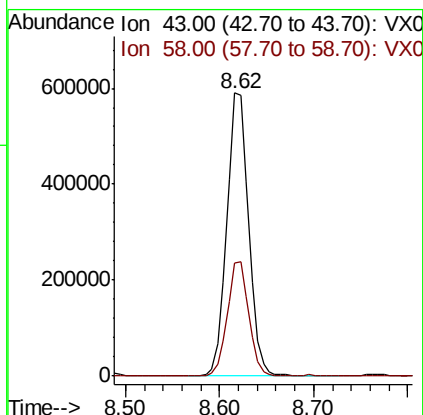
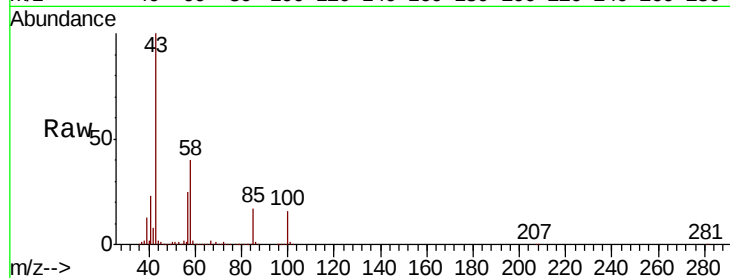




#51
 4-Methyl-2-Pentanone
 Concen: 252.812 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

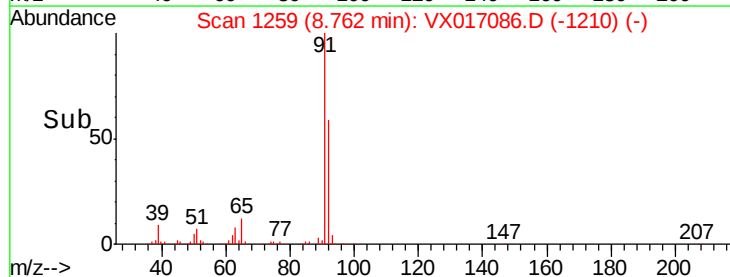
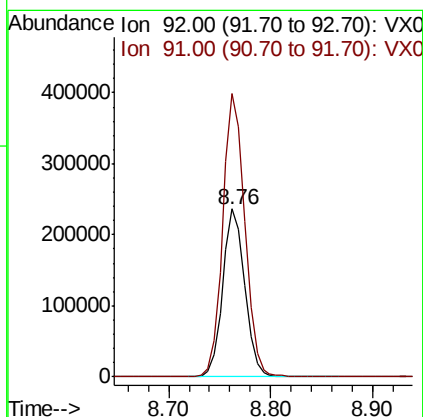
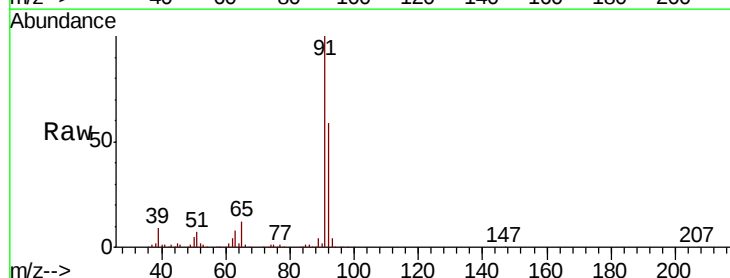
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

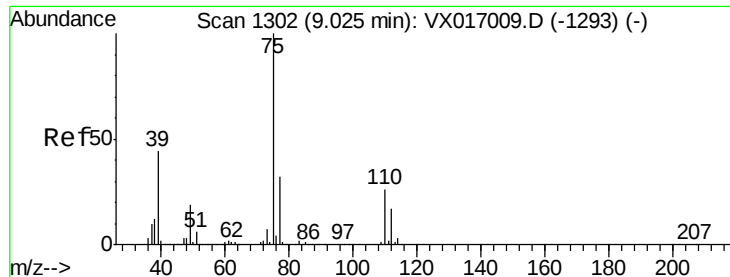
Tot Ion: 43 Resp: 947342
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9



#52
 Toluene
 Concen: 51.731 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 92 Resp: 353825
 Ion Ratio Lower Upper
 92 100
 91 169.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 51.717 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

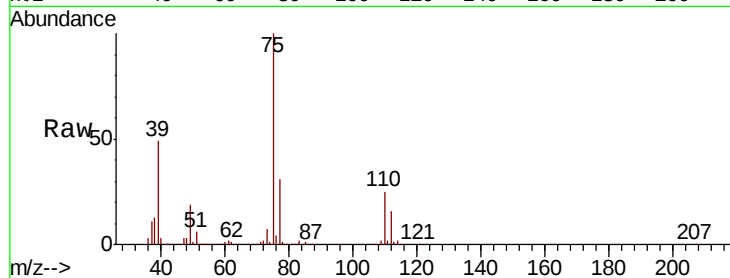
VSTDCCC050

Tot Ion: 75 Resp: 225894

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

150000

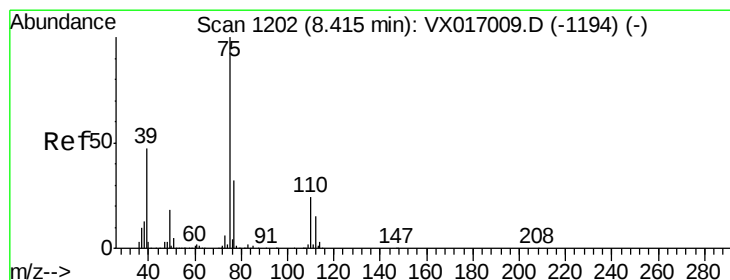
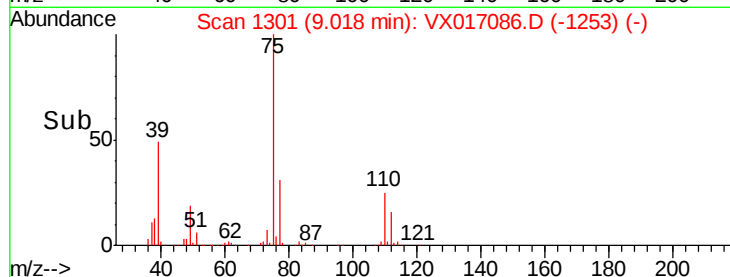
100000

50000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.374 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

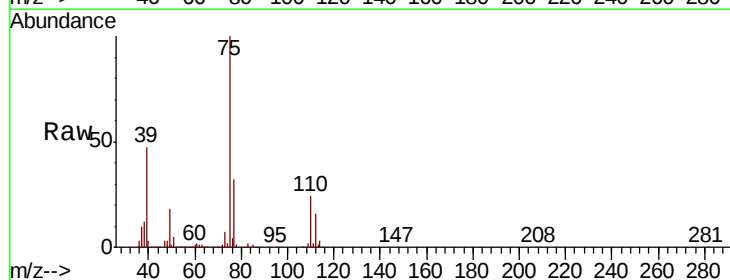
Tgt Ion: 75 Resp: 240549

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 47.4 37.4 56.2



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

200000

150000

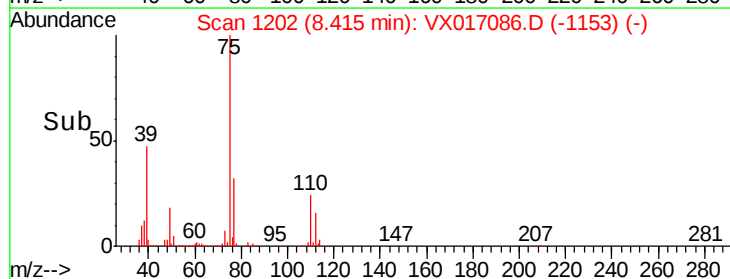
100000

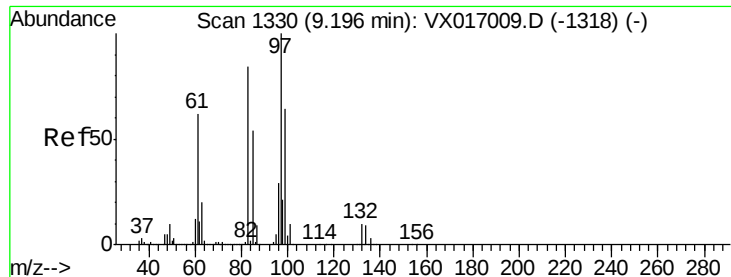
50000

0

8.30 8.40 8.50

Time-->

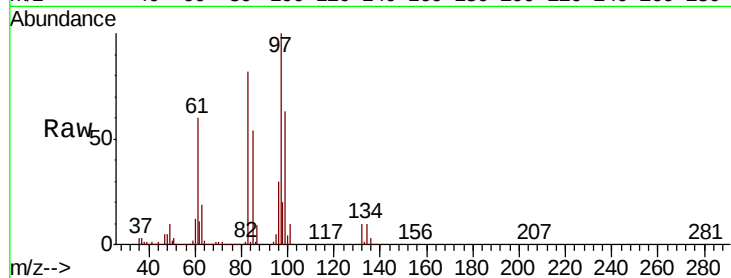




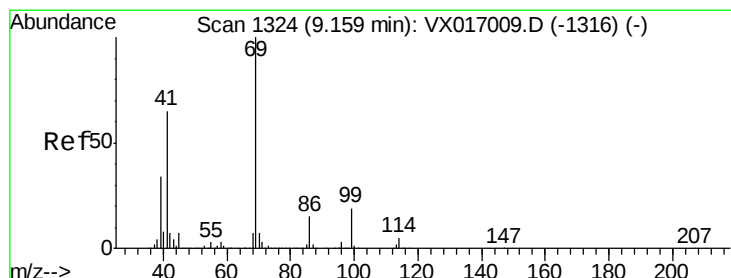
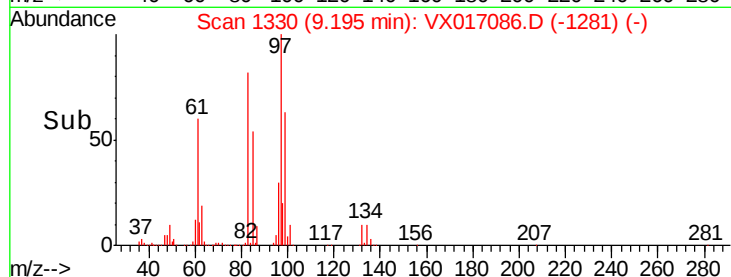
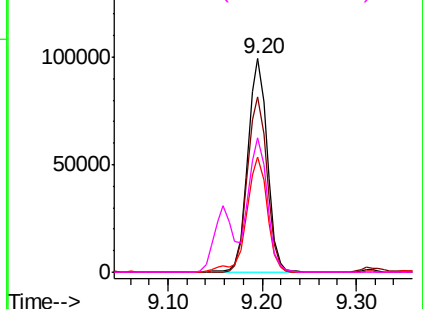
#55
 1,1,2-Trichloroethane
 Concen: 51.488 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 143884
 Ion Ratio Lower Upper
 97 100
 83 82.4 67.0 100.6
 85 54.2 43.5 65.3
 99 62.8 51.0 76.6

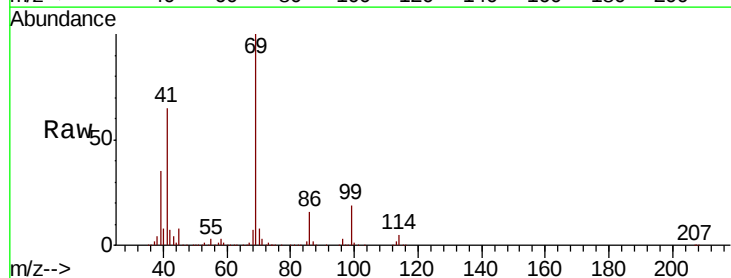


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

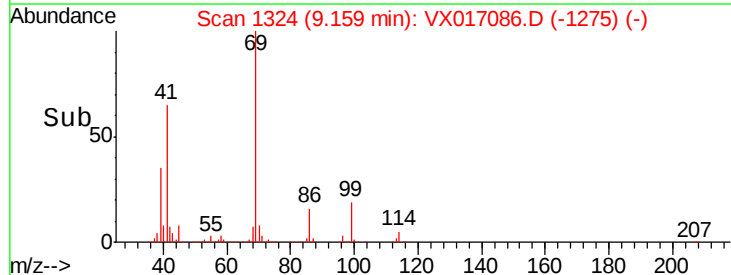
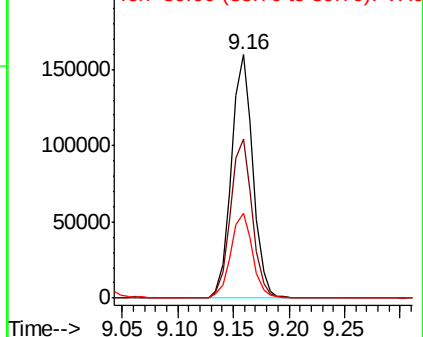


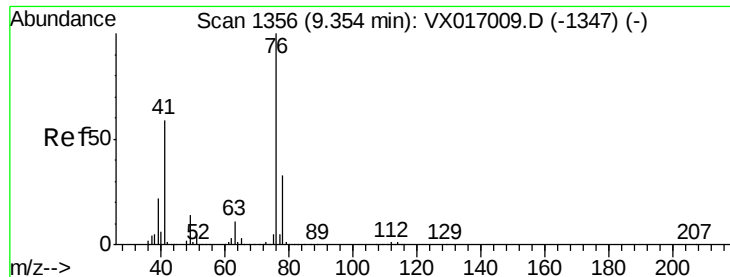
#56
 Ethyl methacrylate
 Concen: 53.551 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 69 Resp: 213001
 Ion Ratio Lower Upper
 69 100
 41 66.0 53.6 80.4
 39 35.4 28.2 42.2



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





#57

1,3-Dichloropropane

Concen: 50.484 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

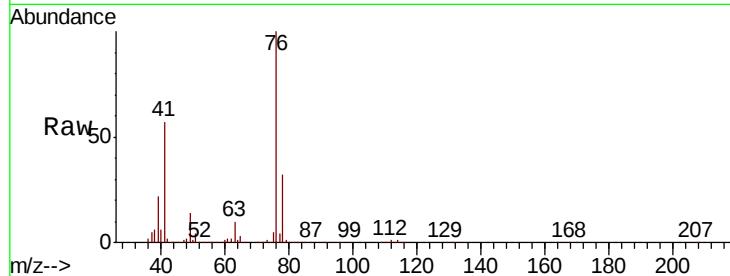
VSTDCCC050

Tot Ion: 76 Resp: 238717

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

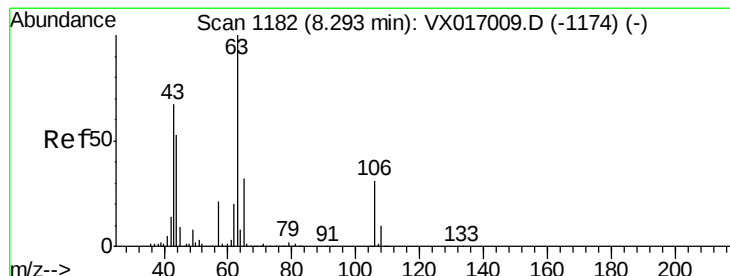
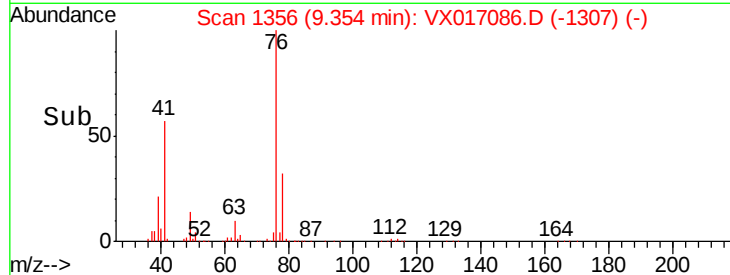
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 266.080 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX017086.D

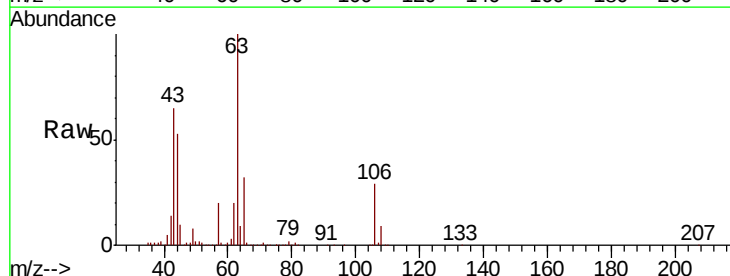
Acq: 01 Jul 2020 10:10

Tgt Ion: 63 Resp: 526722

Ion Ratio Lower Upper

63 100

106 30.2 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

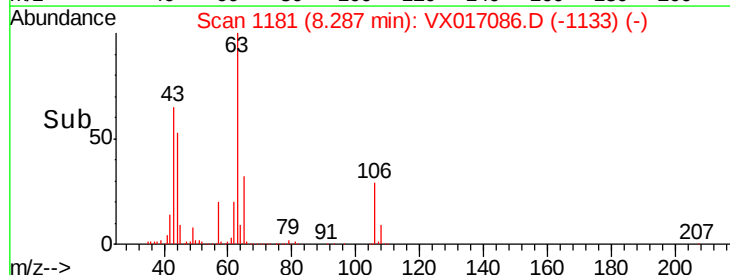
300000

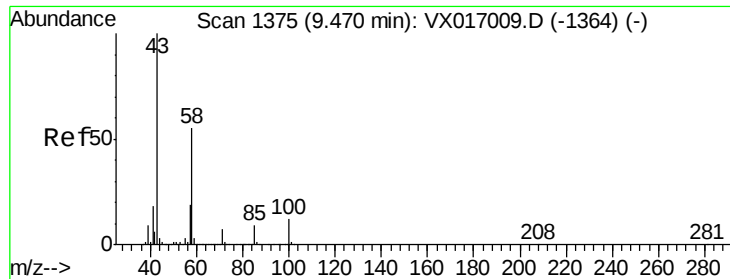
200000

100000

0

Time--> 8.20 8.25 8.30 8.35 8.40

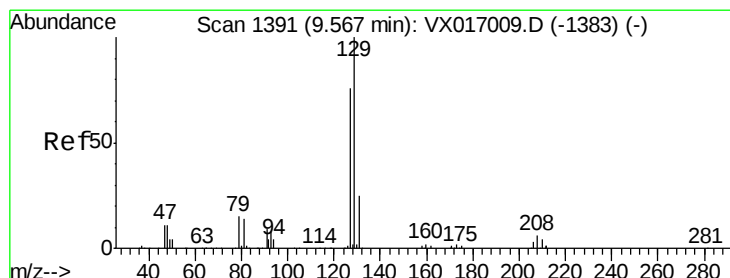
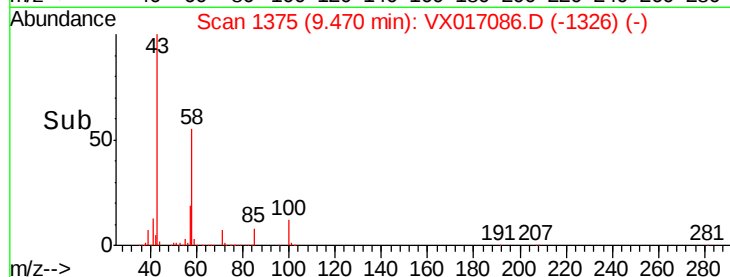
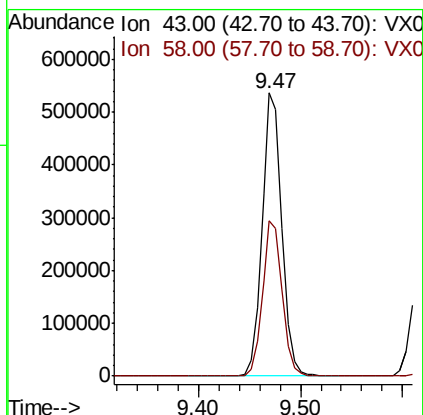
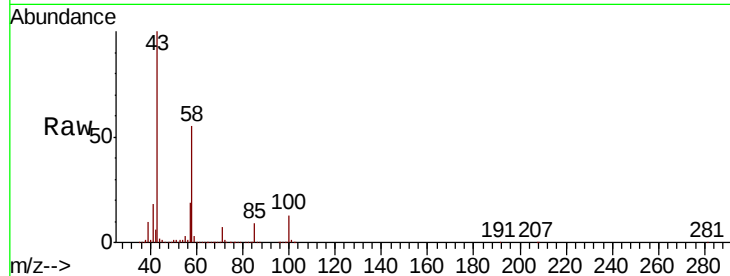




#59
2-Hexanone
Concen: 263.736 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

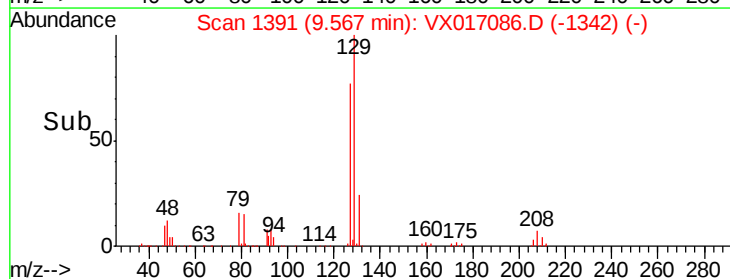
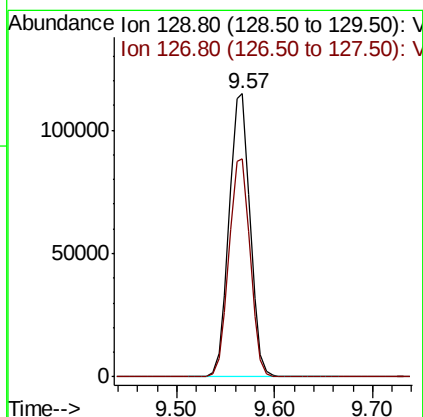
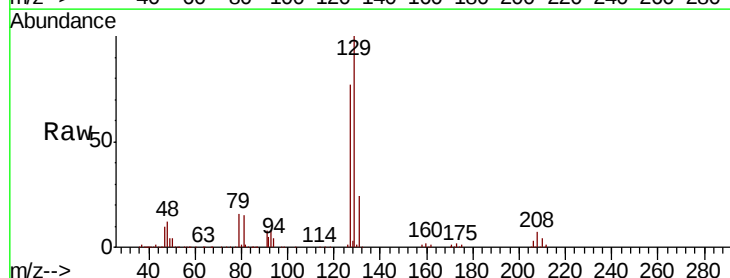
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

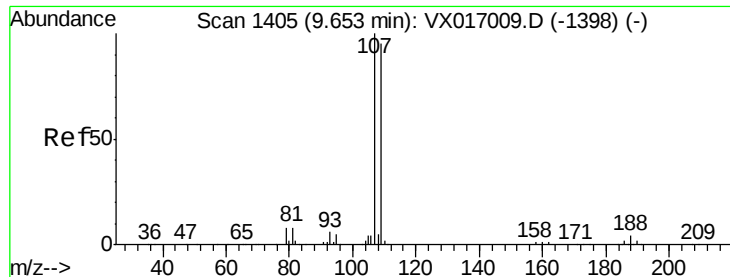
Tot Ion: 43 Resp: 721772
Ion Ratio Lower Upper
43 100
58 54.9 27.9 83.6



#60
Dibromochloromethane
Concen: 52.725 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 129 Resp: 171129
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.975 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

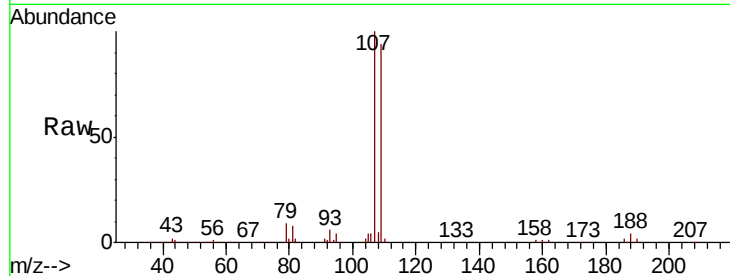
VSTDCCC050

Tot Ion:107 Resp: 153119

Ion Ratio Lower Upper

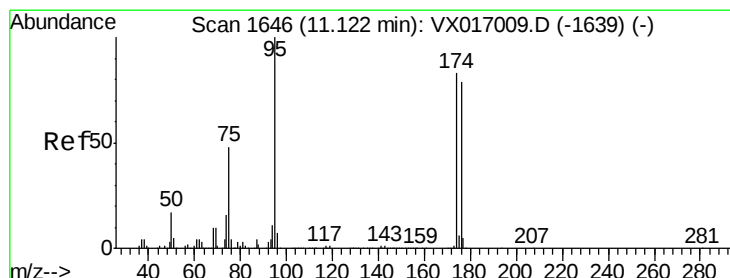
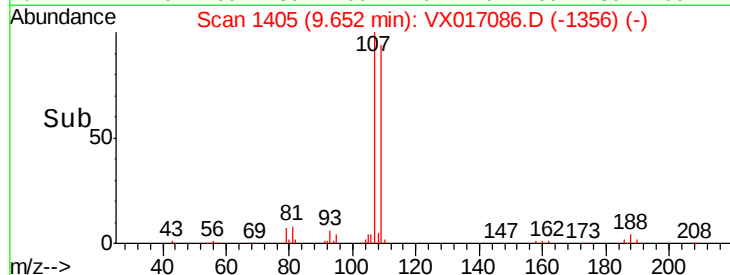
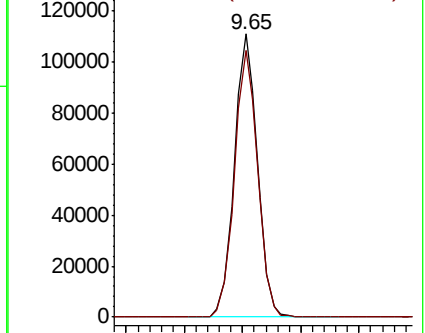
107 100

109 95.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.858 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

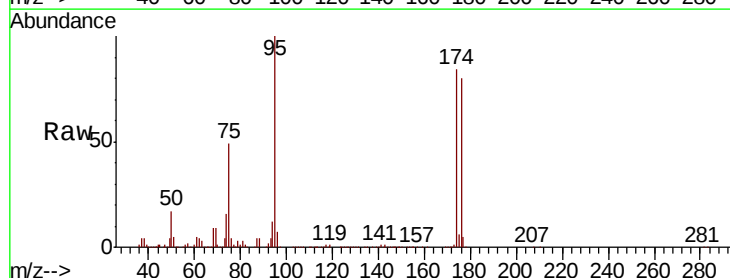
Tgt Ion: 95 Resp: 187068

Ion Ratio Lower Upper

95 100

174 82.2 0.0 164.0

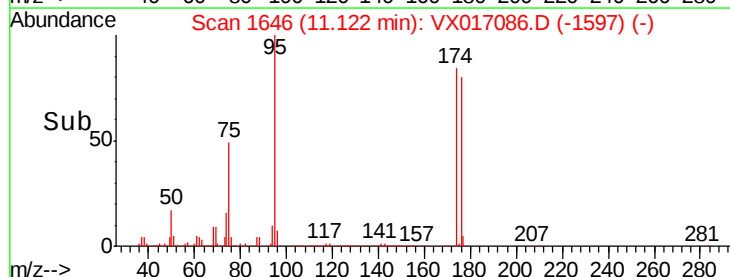
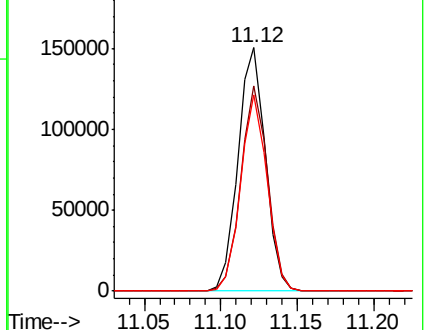
176 78.2 0.0 157.6

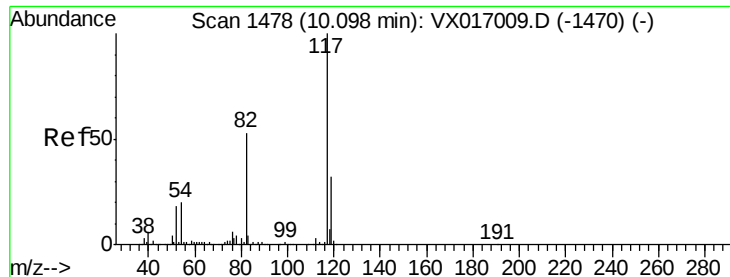


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

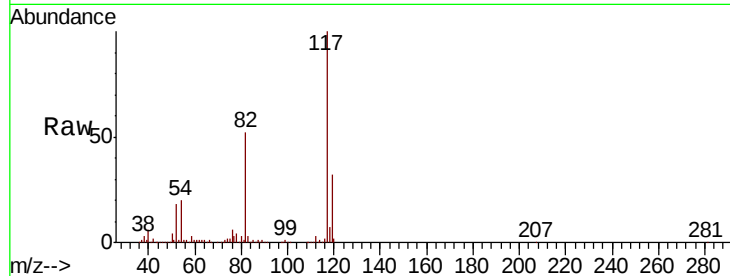




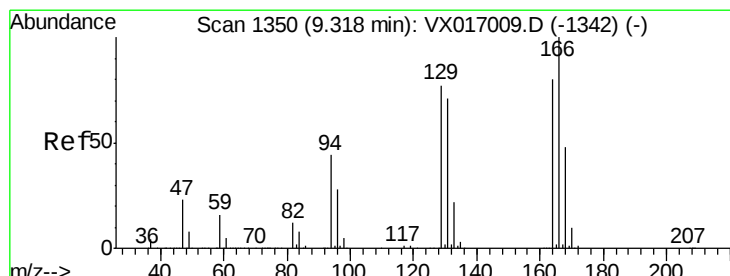
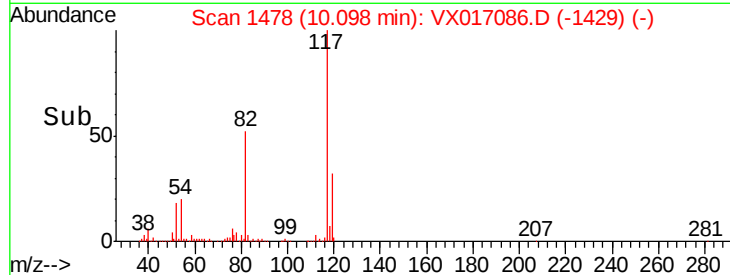
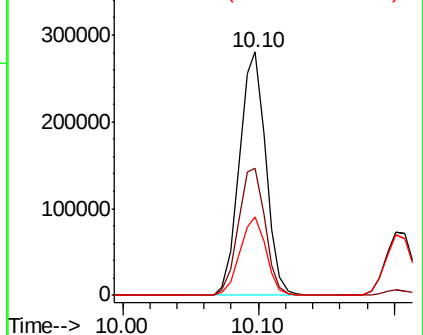
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 377362
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.3 25.4 38.2

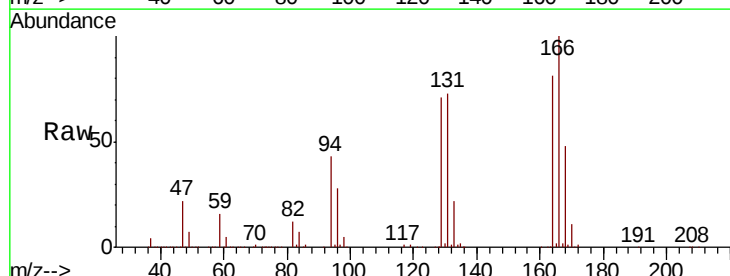


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

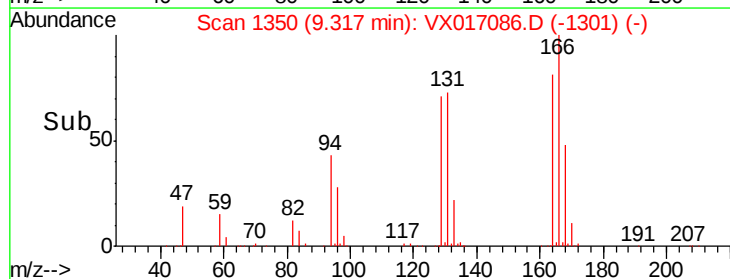
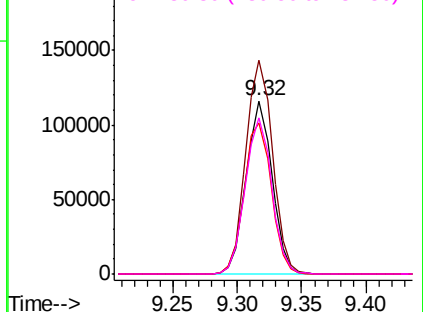


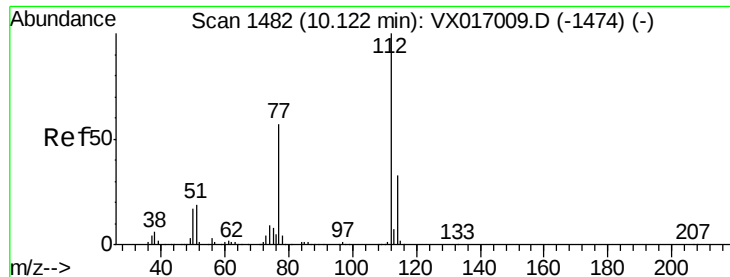
#64
Tetrachloroethene
Concen: 53.053 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion:164 Resp: 161577
Ion Ratio Lower Upper
164 100
166 123.4 99.4 149.0
129 87.2 76.3 114.5
131 90.0 70.6 105.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

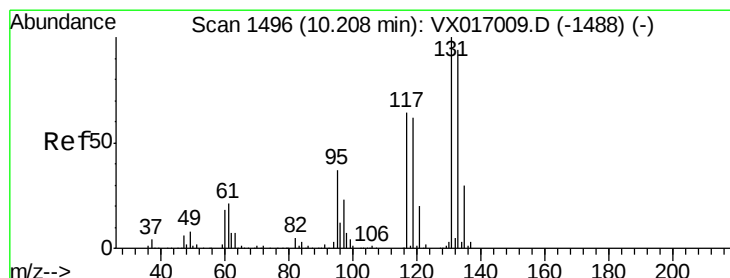
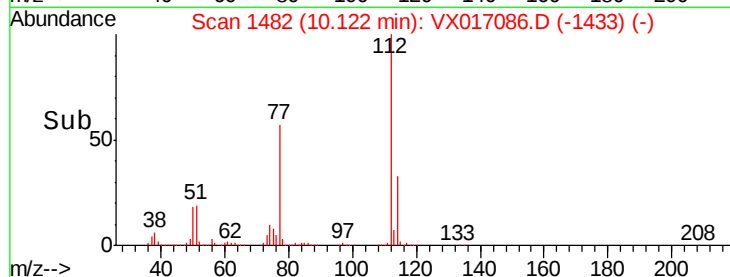
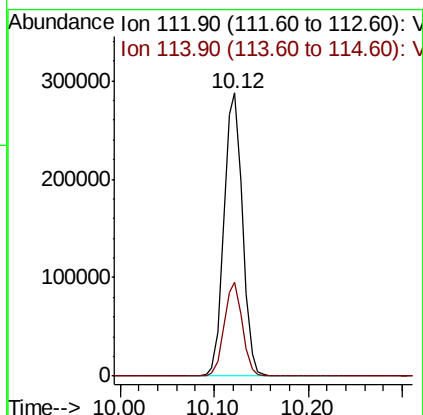
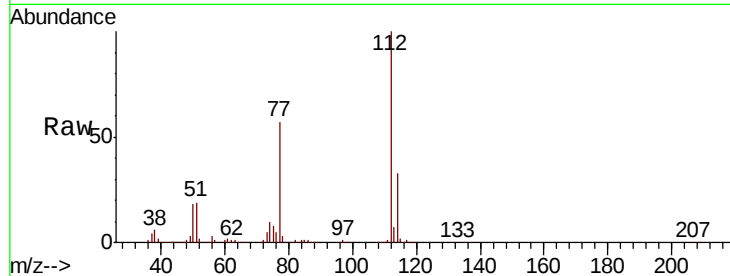




#65
Chlorobenzene
Concen: 50.121 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

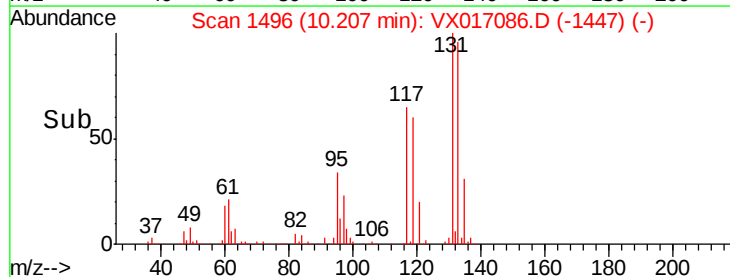
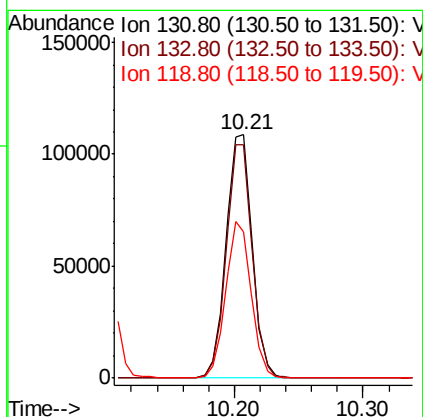
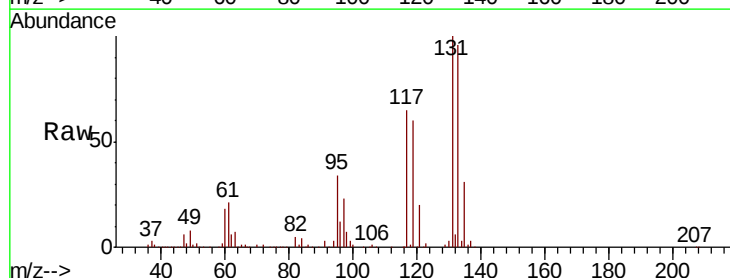
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

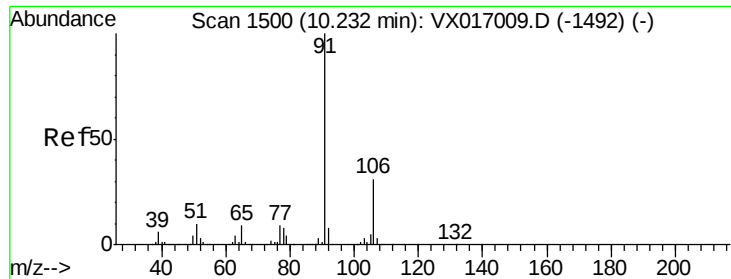
Tot Ion:112 Resp: 390364
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.502 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion:131 Resp: 154587
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 62.7 31.9 95.5





#67

Ethyl Benzene

Concen: 52.371 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

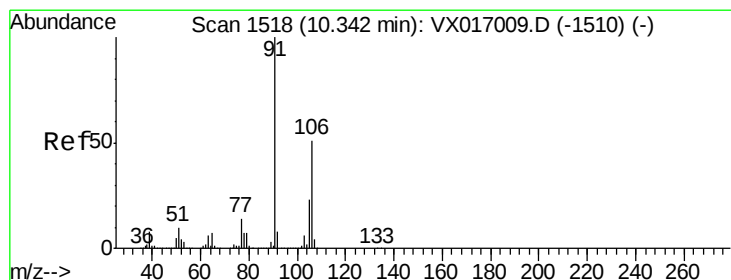
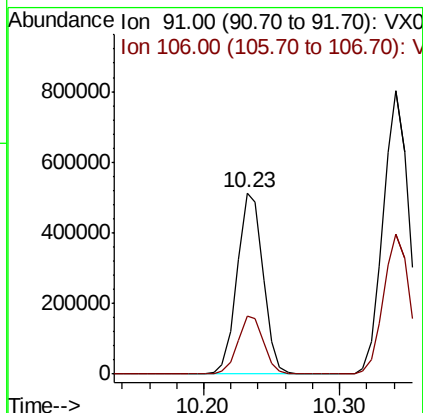
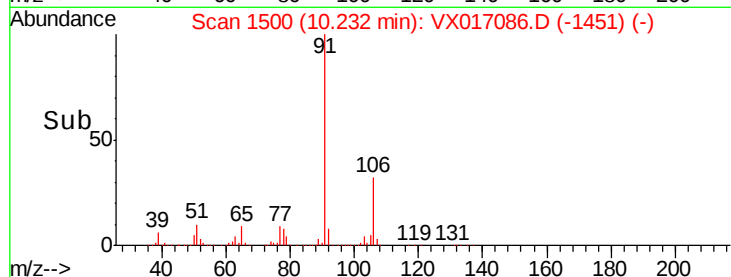
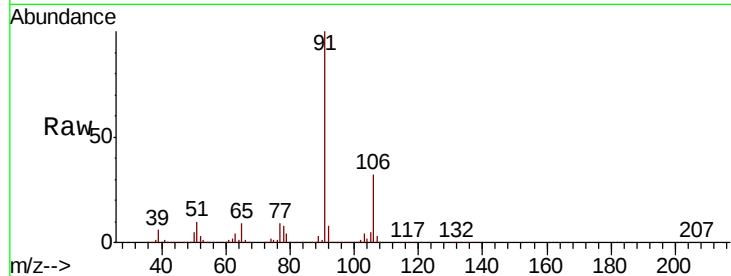
VSTDCCC050

Tot Ion: 91 Resp: 681184

Ion Ratio Lower Upper

91 100

106 31.8 24.7 37.1



#68

m/p-Xylenes

Concen: 106.345 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017086.D

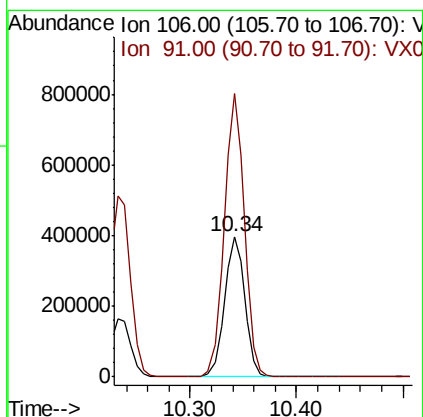
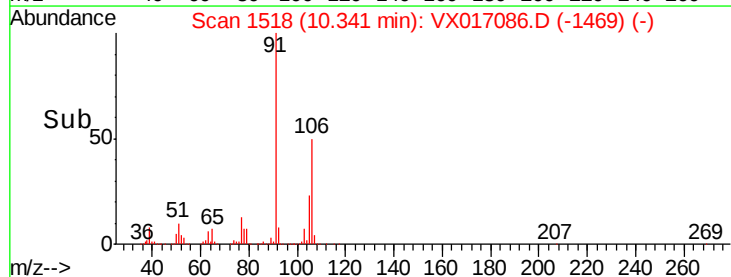
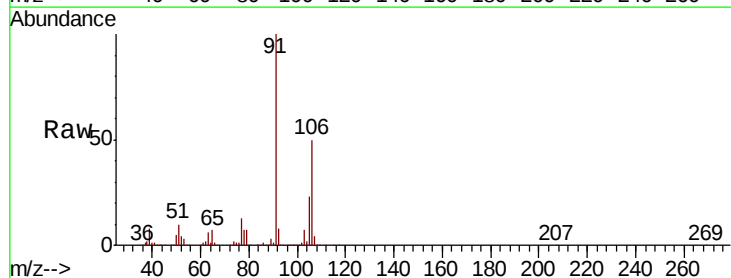
Acq: 01 Jul 2020 10:10

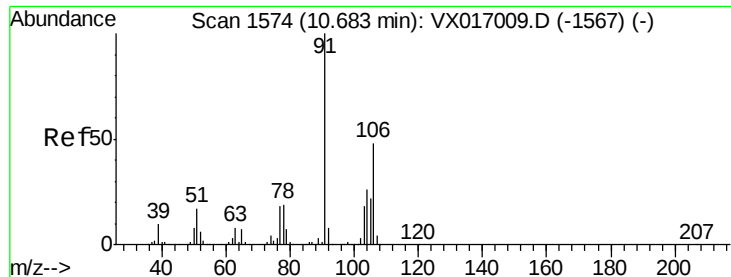
Tgt Ion: 106 Resp: 531110

Ion Ratio Lower Upper

106 100

91 199.4 158.6 238.0

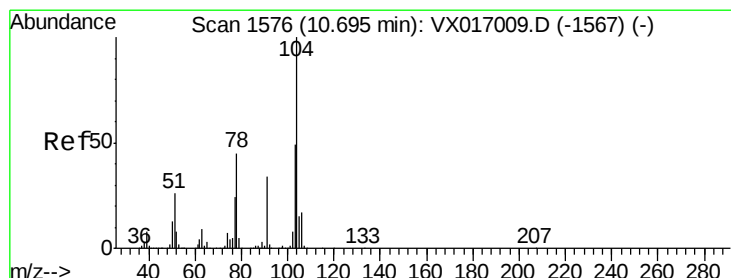
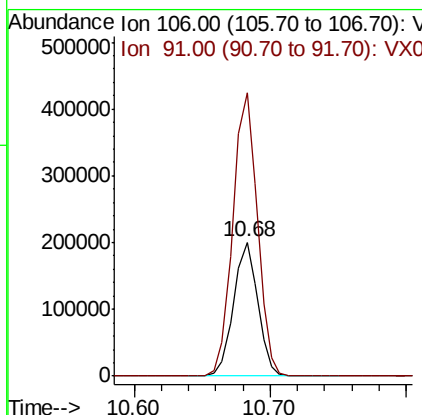
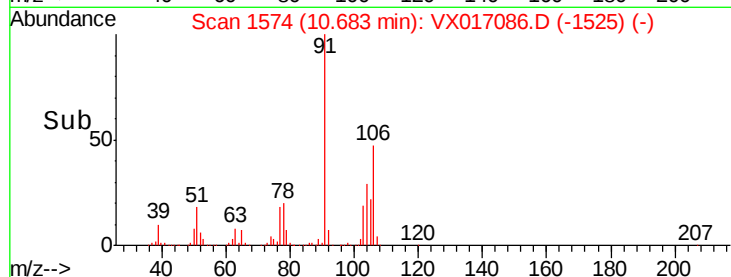
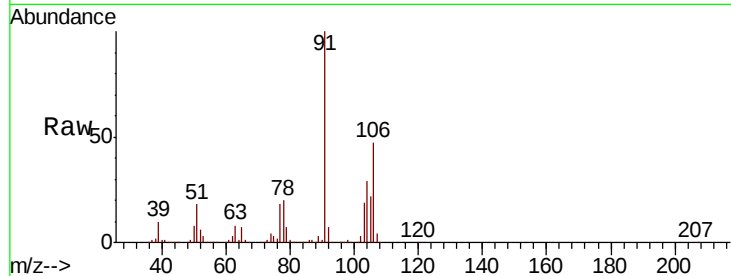




#69
o-Xylene
Concen: 52.384 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

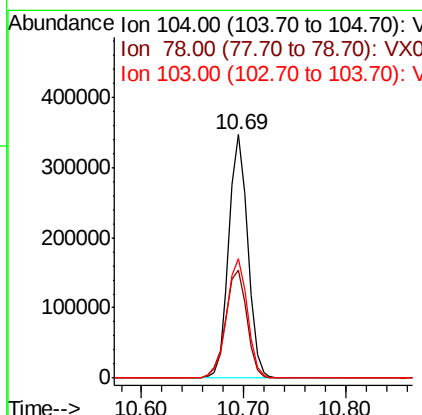
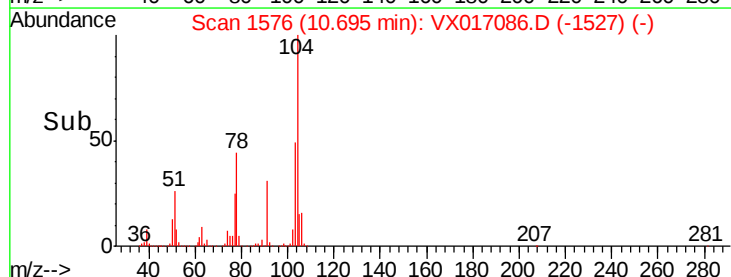
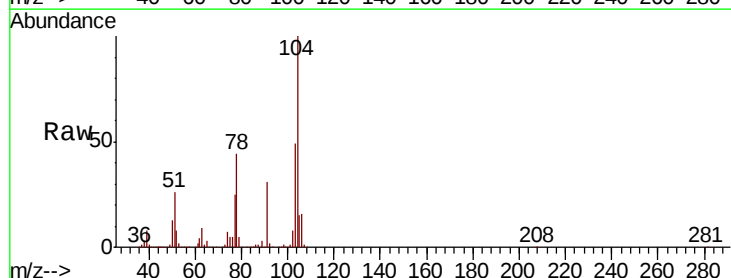
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

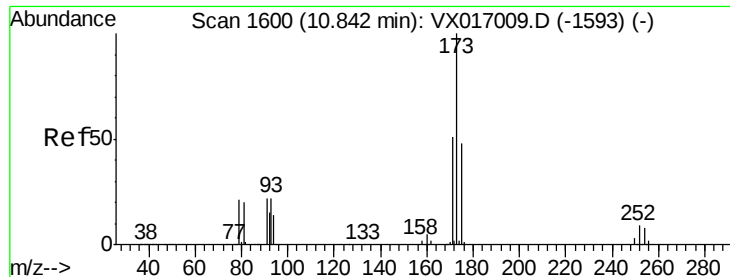
Tot Ion:106 Resp: 248879
Ion Ratio Lower Upper
106 100
91 214.6 105.6 316.7



#70
Styrene
Concen: 55.128 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion:104 Resp: 446013
Ion Ratio Lower Upper
104 100
78 49.8 39.5 59.3
103 53.6 43.0 64.6





#71

Bromoform

Concen: 54.901 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

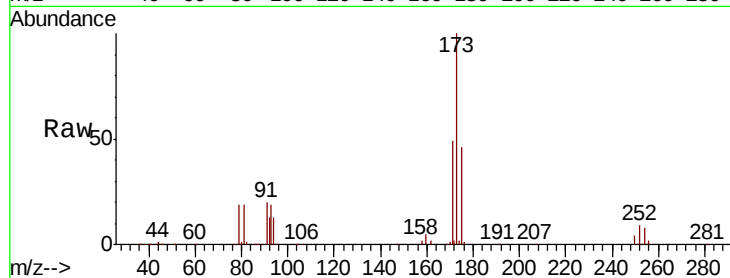
Tot Ion:173 Resp: 130678

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

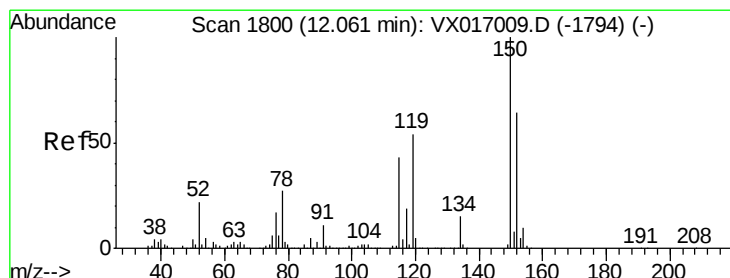
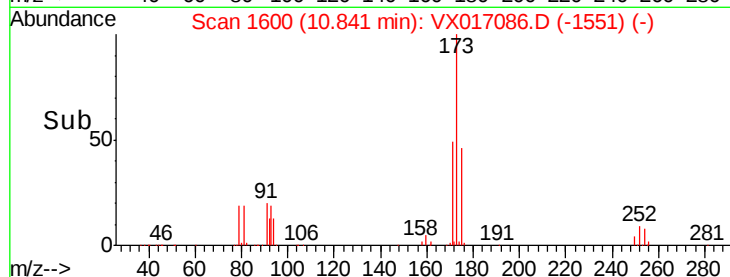
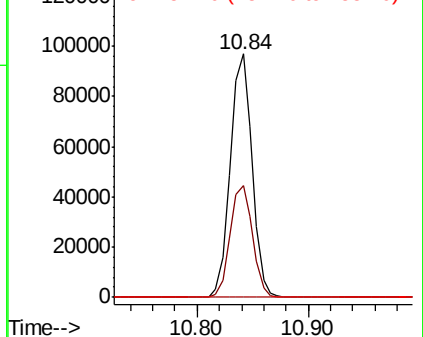
254 0.2 0.1 0.1#



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: VX017086.D

Acq: 01 Jul 2020 10:10

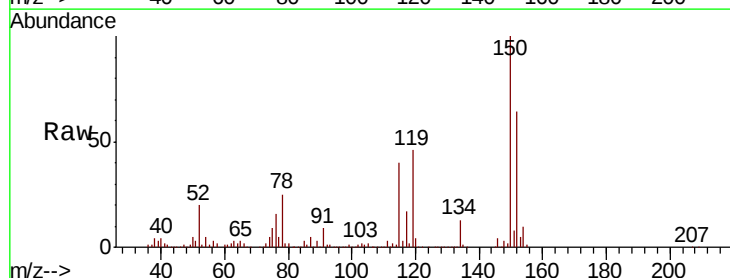
Tgt Ion:152 Resp: 204387

Ion Ratio Lower Upper

152 100

115 79.8 40.9 122.7

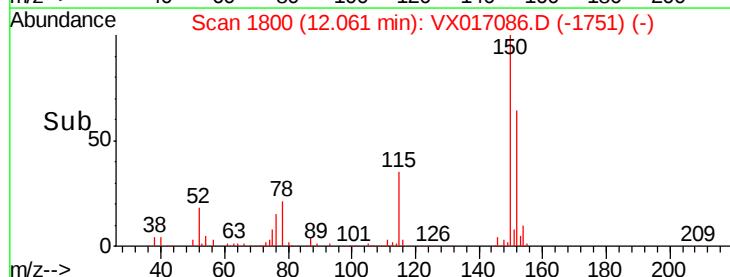
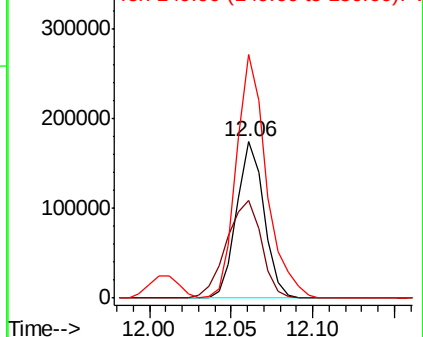
150 170.6 0.0 351.6

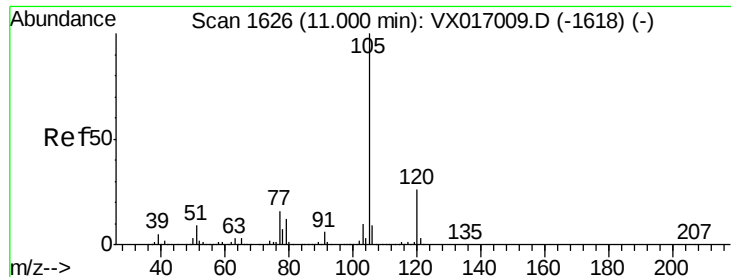


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.451 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

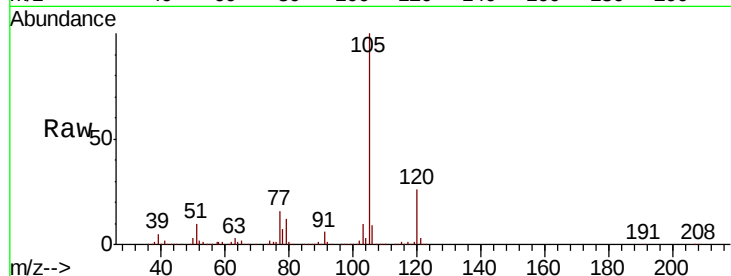
VSTDCCC050

Tot Ion:105 Resp: 688804

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

600000

500000

400000

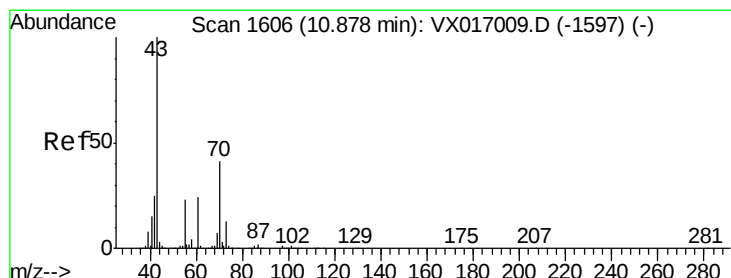
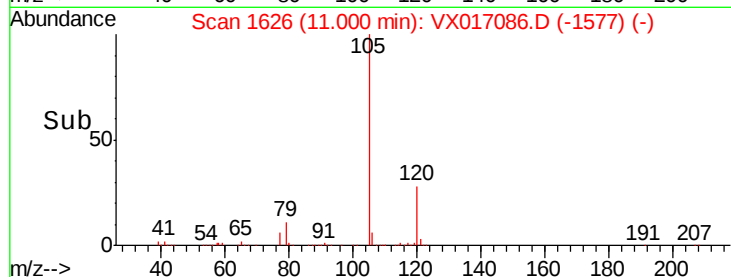
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 49.115 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Tgt Ion: 43 Resp: 280563

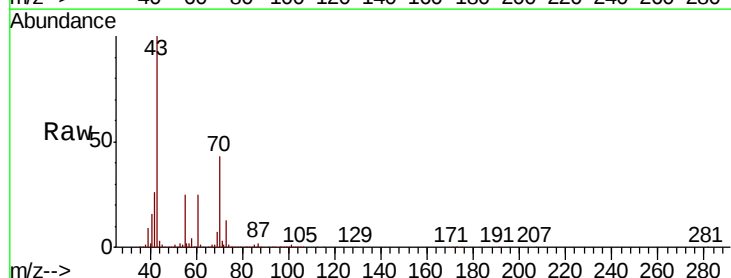
Ion Ratio Lower Upper

43 100

70 43.7 34.2 51.2

55 25.1 19.2 28.8

61 24.8 19.6 29.4



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

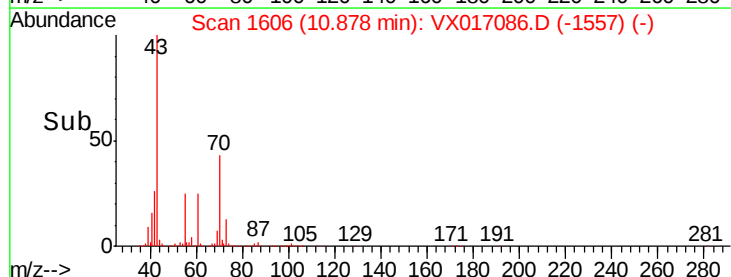
300000

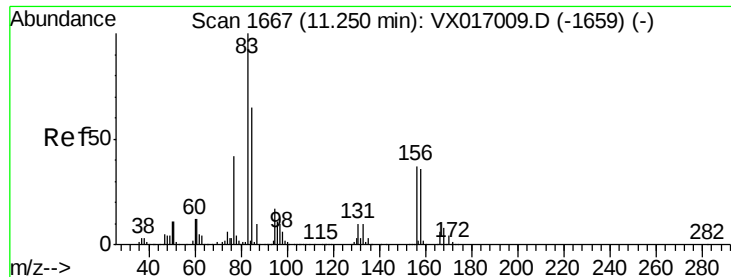
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 46.471 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

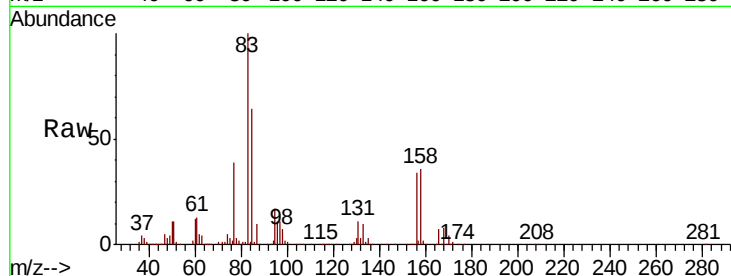
Tot Ion: 83 Resp: 195697

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

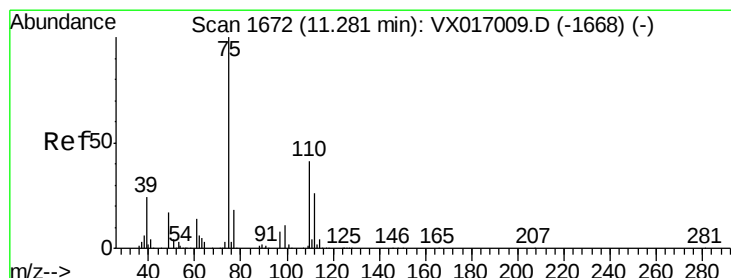
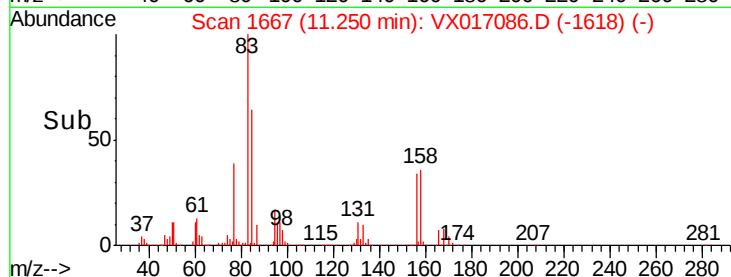
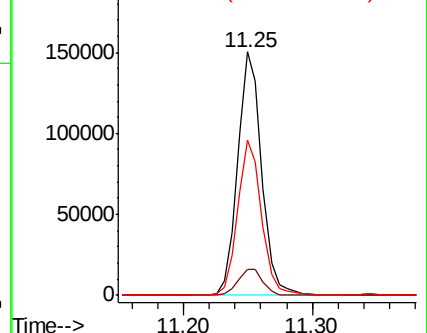
85 63.5 31.9 95.9



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: 62.590 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017086.D

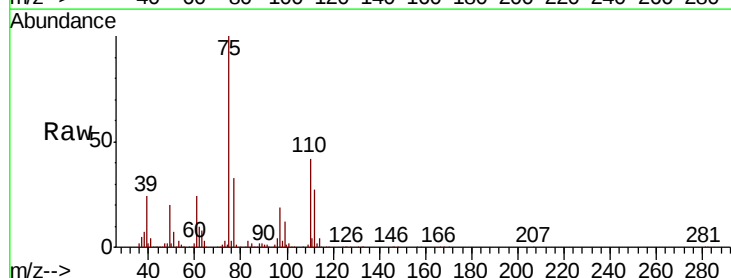
Acq: 01 Jul 2020 10:10

Tgt Ion: 75 Resp: 251558

Ion Ratio Lower Upper

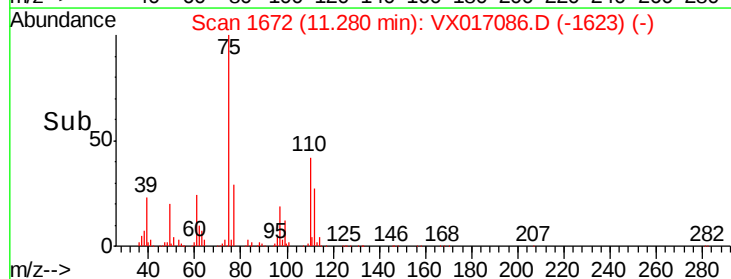
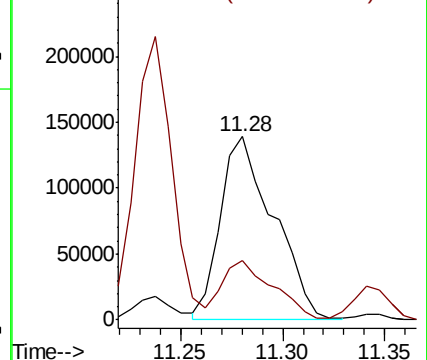
75 100

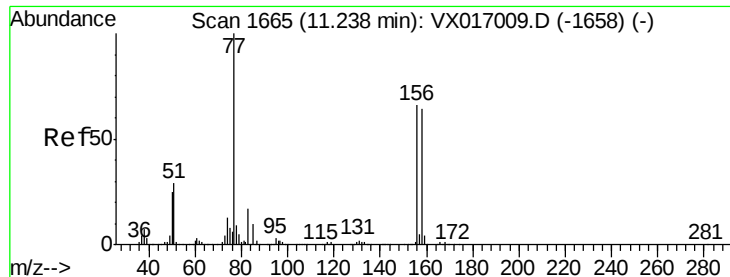
77 31.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.910 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

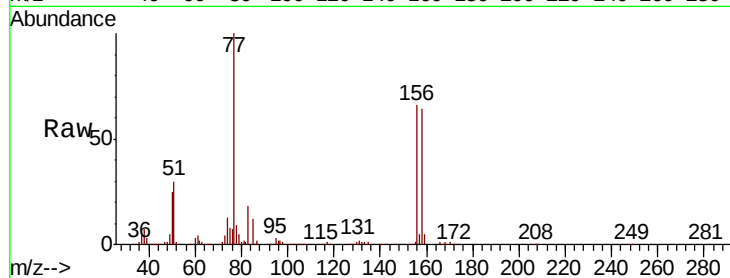
Tot Ion:156 Resp: 179960

Ion Ratio Lower Upper

156 100

77 151.8 76.9 230.7

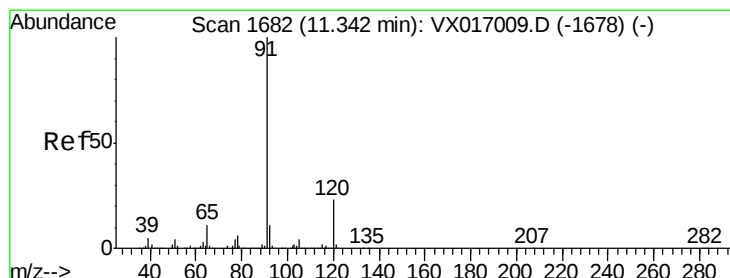
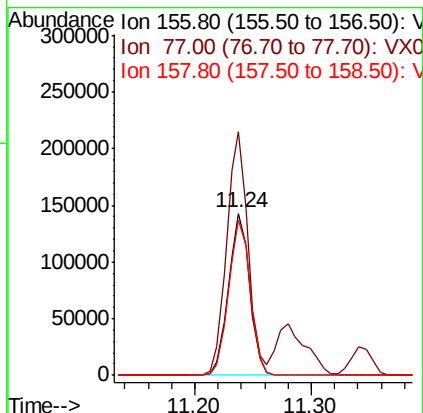
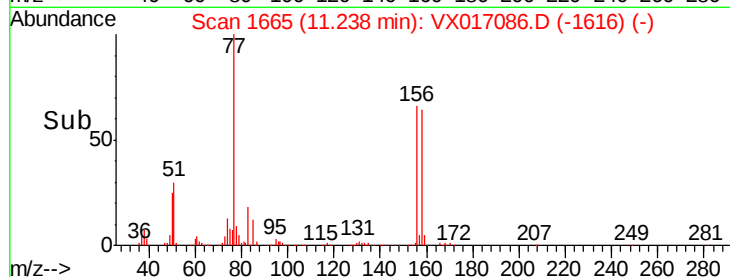
158 97.8 47.9 143.6



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: 51.510 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017086.D

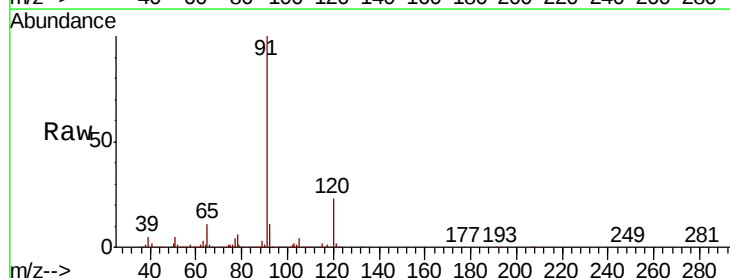
Acq: 01 Jul 2020 10:10

Tgt Ion: 91 Resp: 779816

Ion Ratio Lower Upper

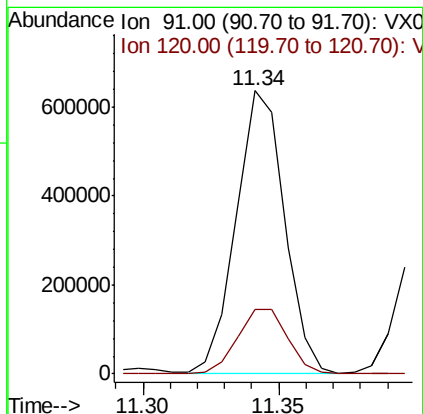
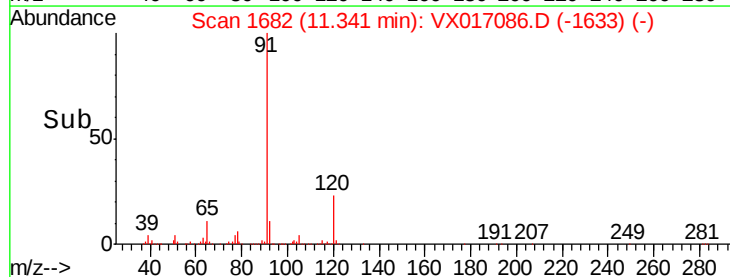
91 100

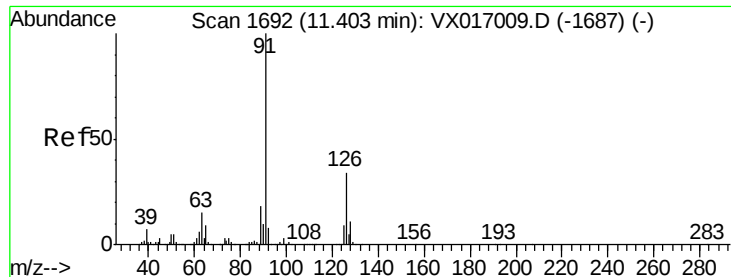
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

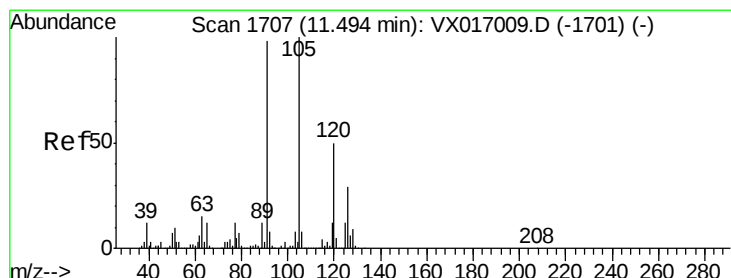
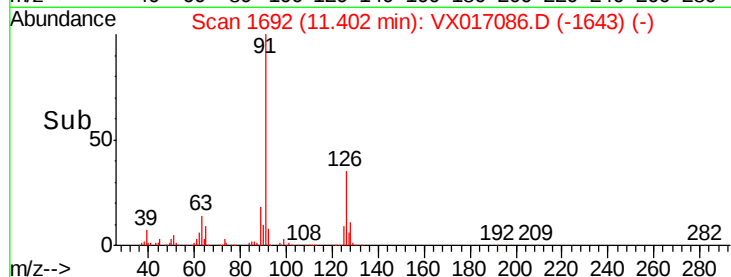
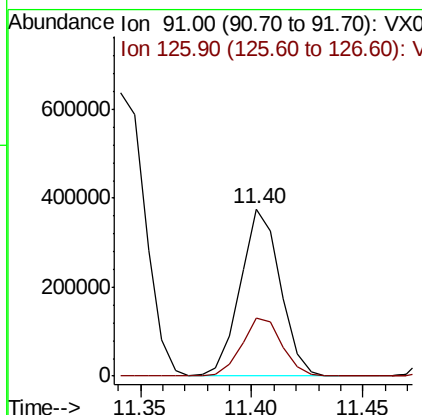
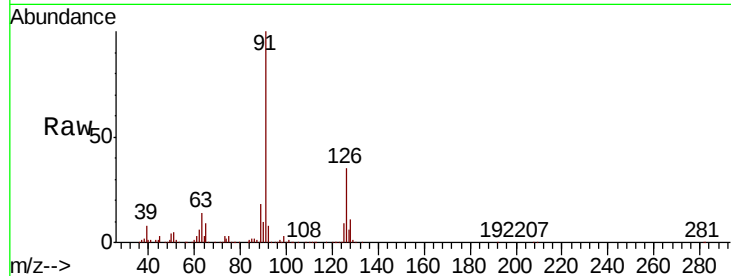




#79
 2-Chlorotoluene
 Concen: 51.169 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

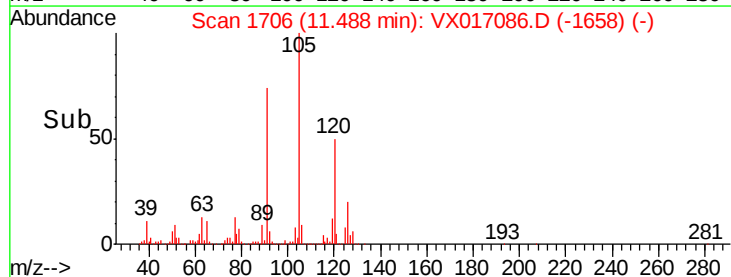
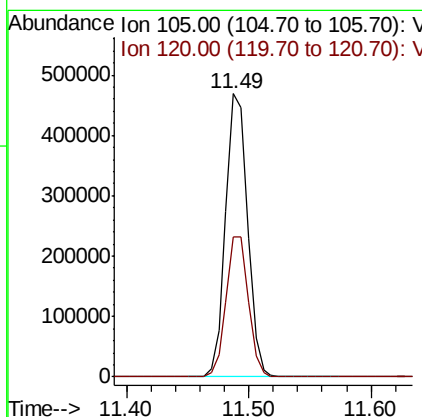
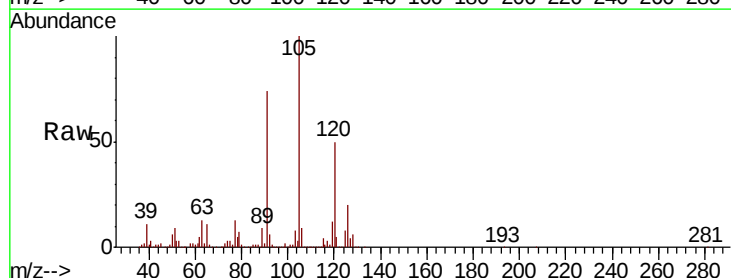
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

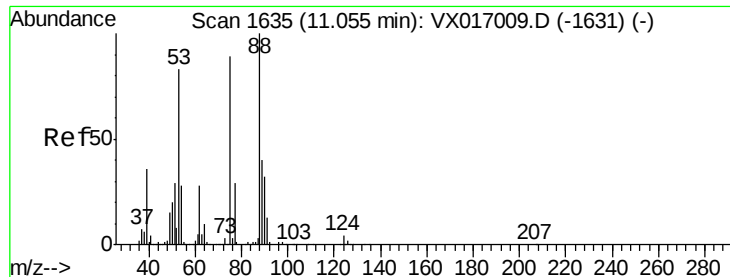
Tot Ion: 91 Resp: 468826
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.262 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 105 Resp: 580349
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.277 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

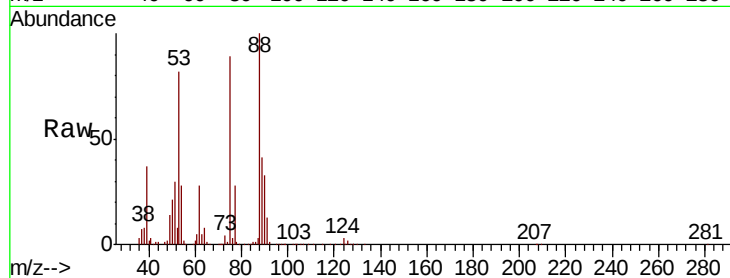
Tot Ion: 75 Resp: 76478

Ion Ratio Lower Upper

75 100

53 93.5 72.4 108.6

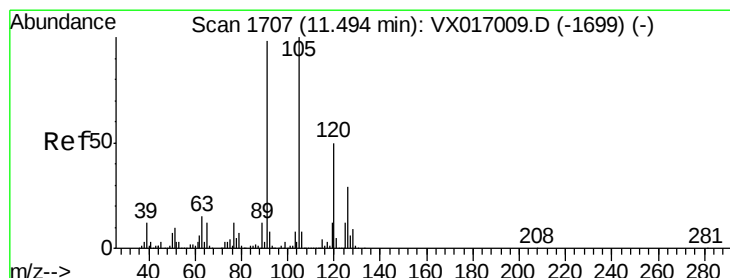
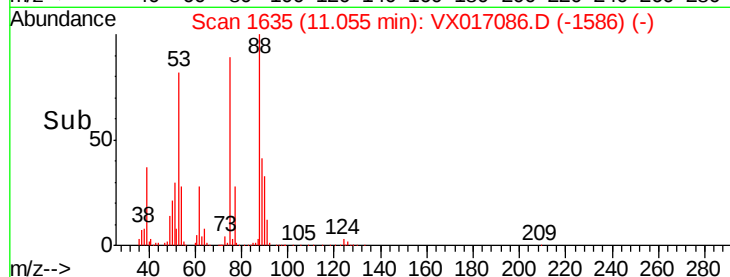
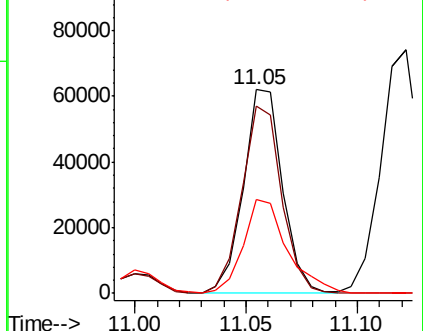
89 52.0 37.0 55.4



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: 51.520 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017086.D

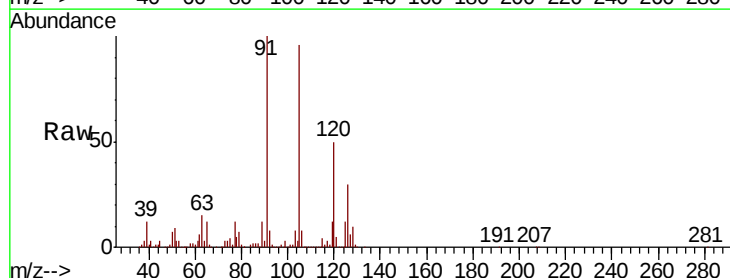
Acq: 01 Jul 2020 10:10

Tgt Ion: 91 Resp: 564301

Ion Ratio Lower Upper

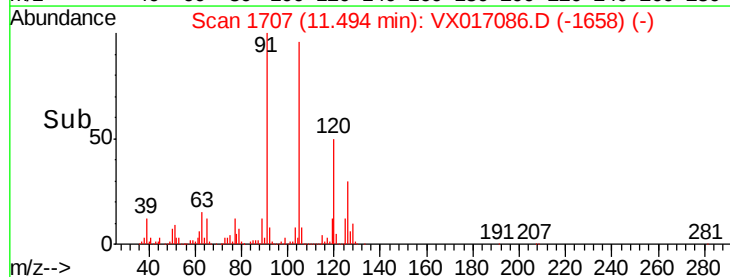
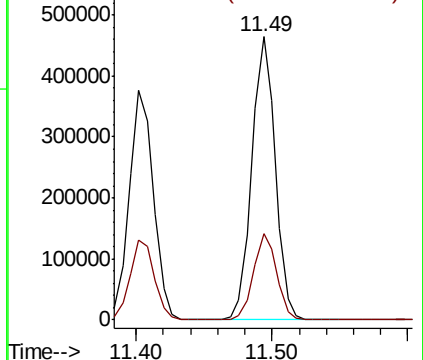
91 100

126 30.3 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

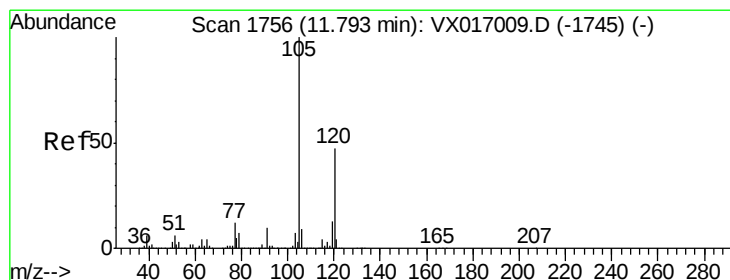
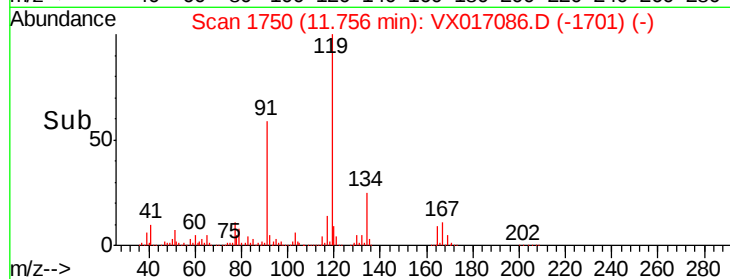
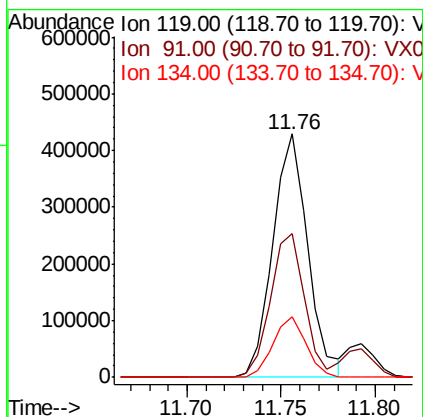
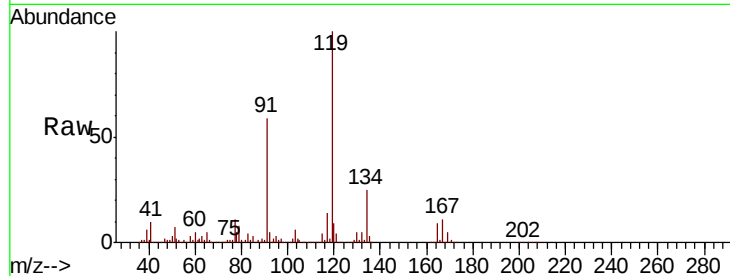




#83
tert-Butylbenzene
Concen: 50.727 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

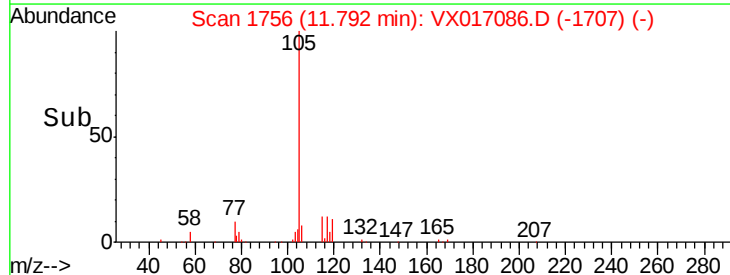
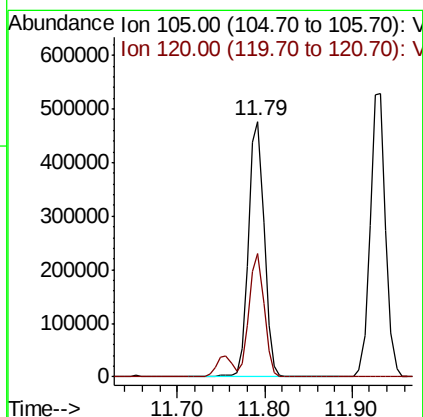
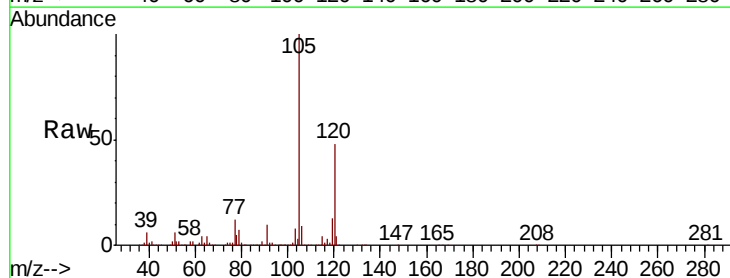
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

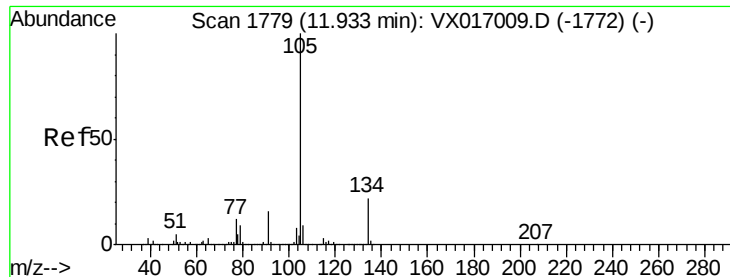
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	28.3	84.9
134	23.6	11.7	35.1



#84
1,2,4-Trimethylbenzene
Concen: 51.963 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.5





#85

sec-Butylbenzene

Concen: 51.464 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

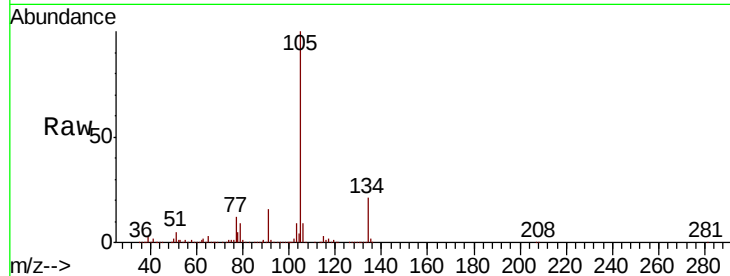
VSTDCCC050

Tot Ion:105 Resp: 659447

Ion Ratio Lower Upper

105 100

134 20.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

600000

500000

400000

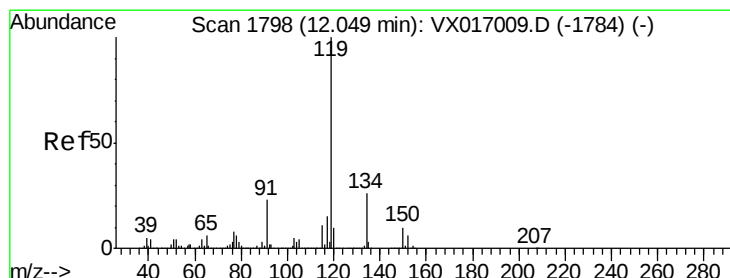
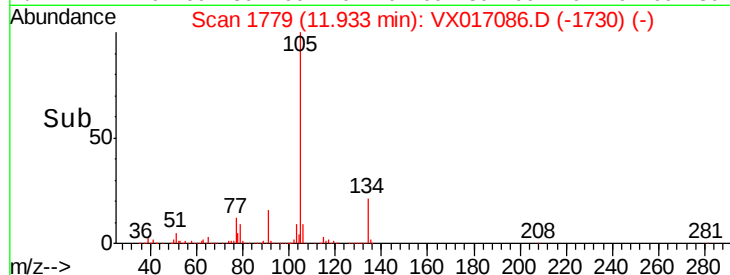
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 53.112 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

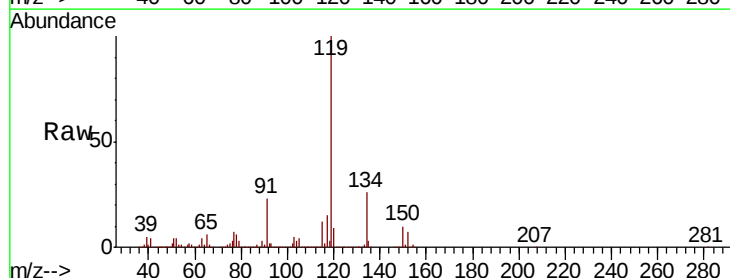
Tgt Ion:119 Resp: 633551

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.2 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

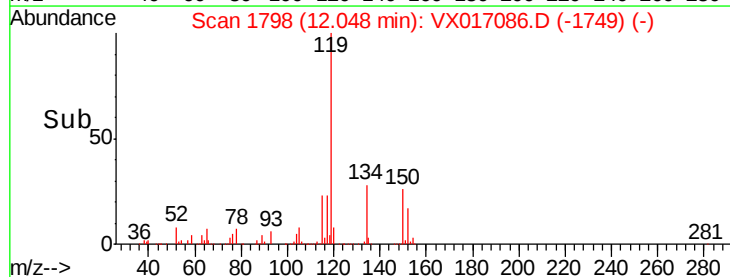
600000

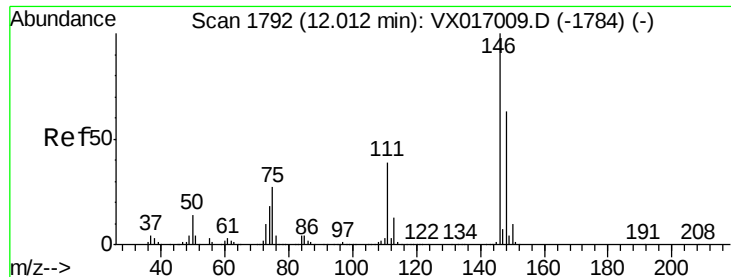
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 48.294 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

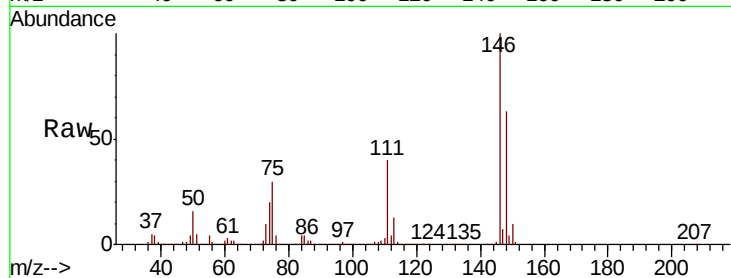
Tot Ion:146 Resp: 322725

Ion Ratio Lower Upper

146 100

111 39.3 20.4 61.2

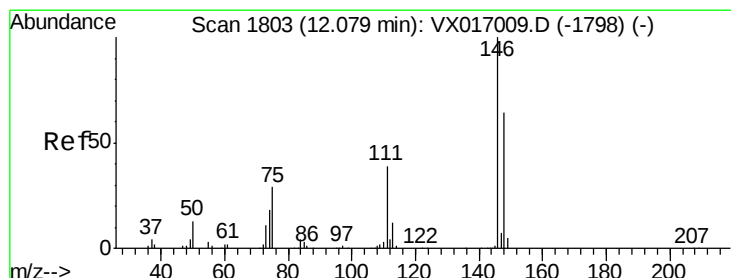
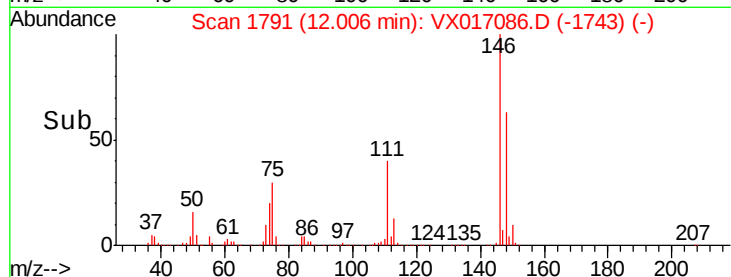
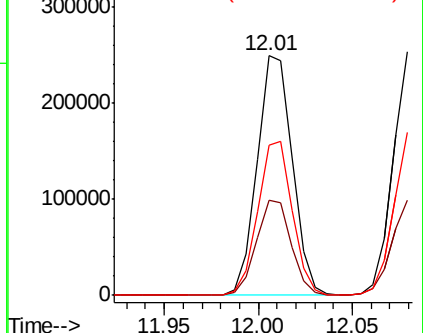
148 63.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.948 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

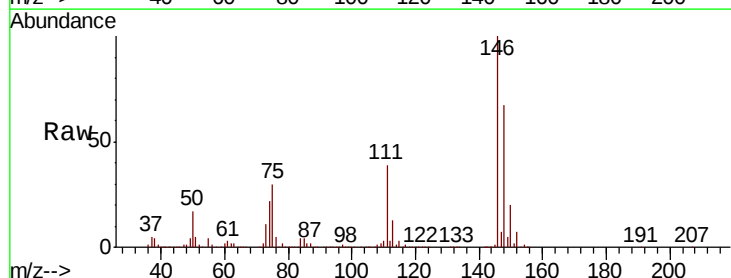
Tgt Ion:146 Resp: 321050

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

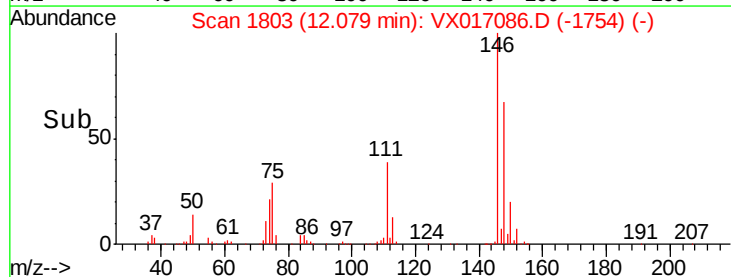
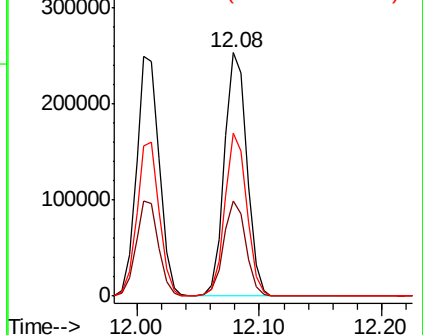
148 65.0 31.9 95.7

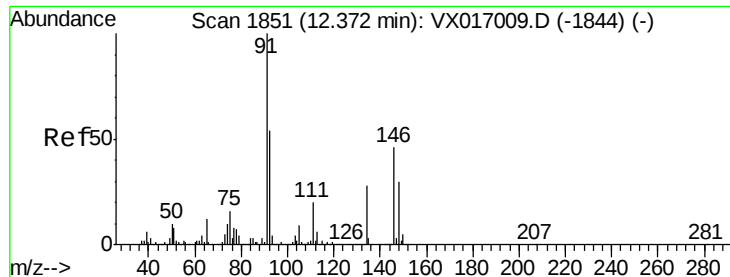


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

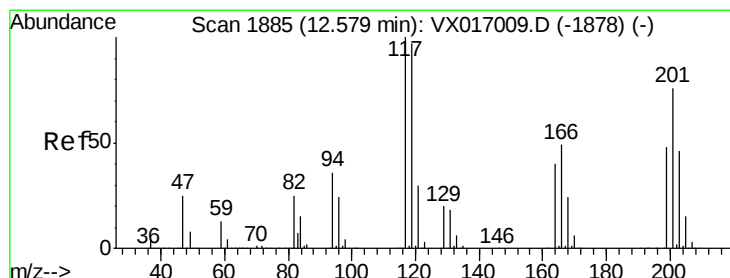
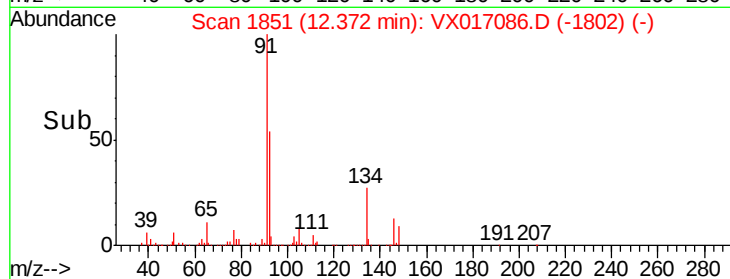
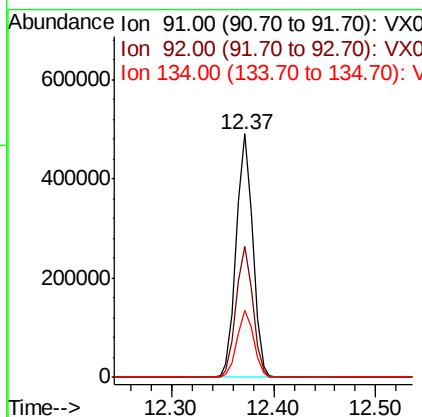
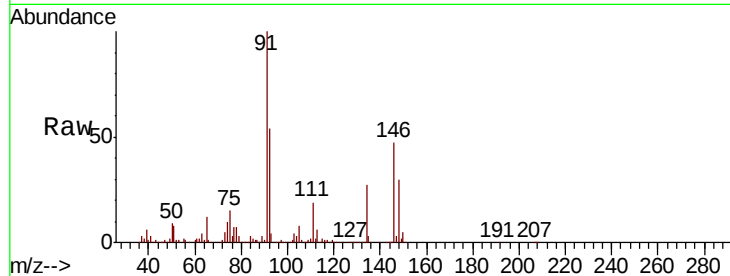




#89
n-Butylbenzene
Concen: 51.081 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

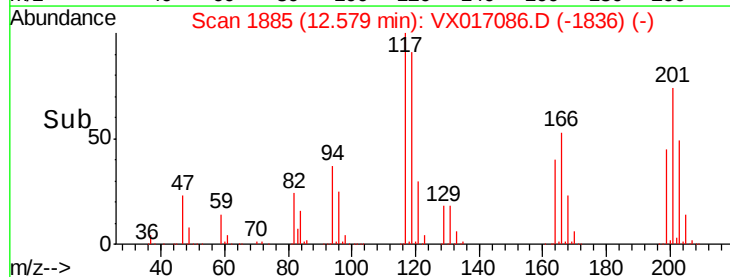
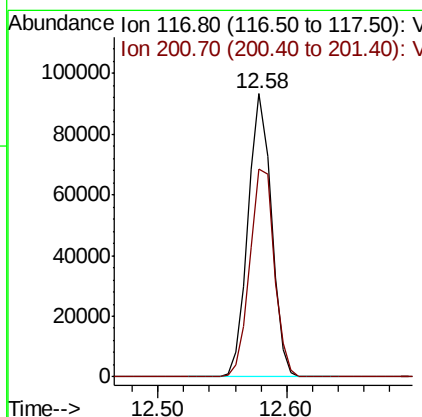
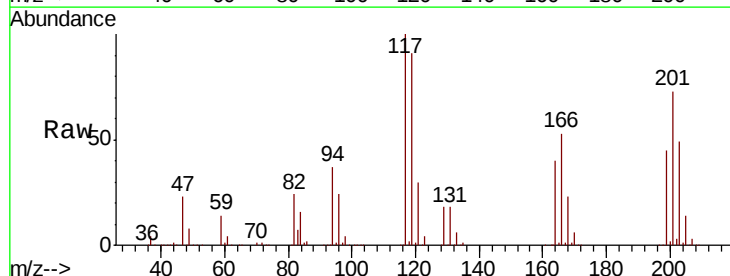
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

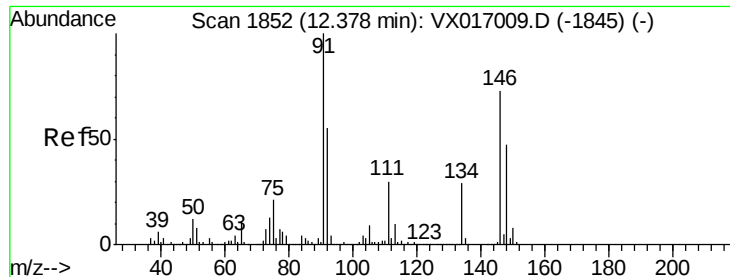
Tot Ion: 91 Resp: 544066
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.6
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 49.423 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017086.D
Acq: 01 Jul 2020 10:10

Tgt Ion: 117 Resp: 116259
Ion Ratio Lower Upper
117 100
201 77.0 39.4 118.2

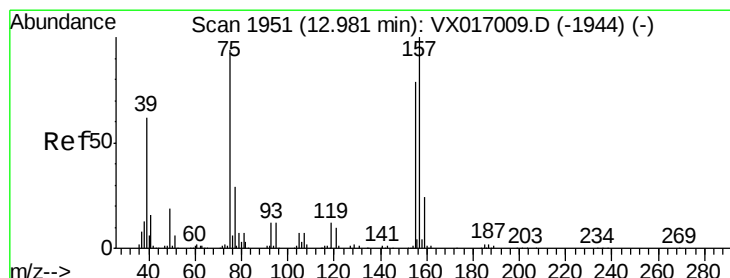
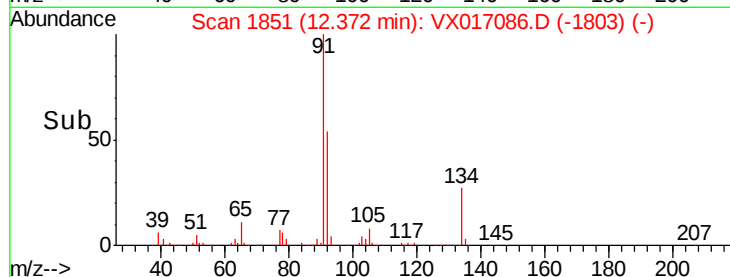
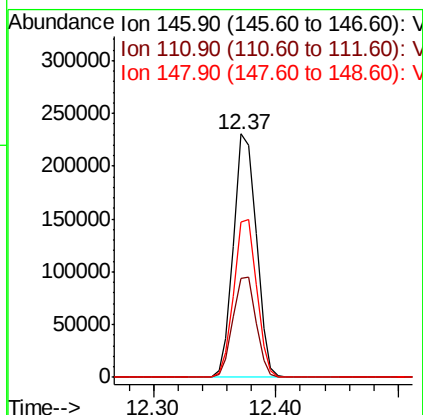
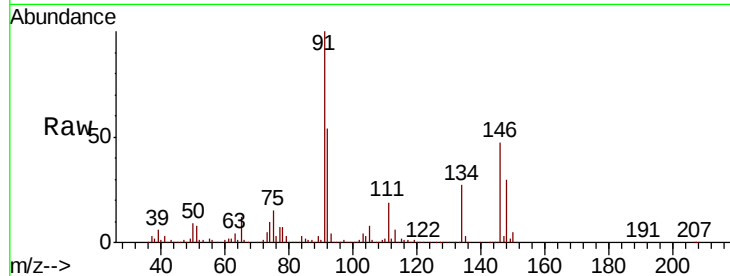




#91
 1,2-Dichlorobenzene
 Concen: 47.543 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

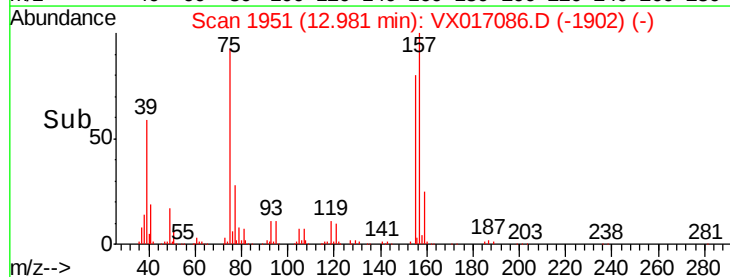
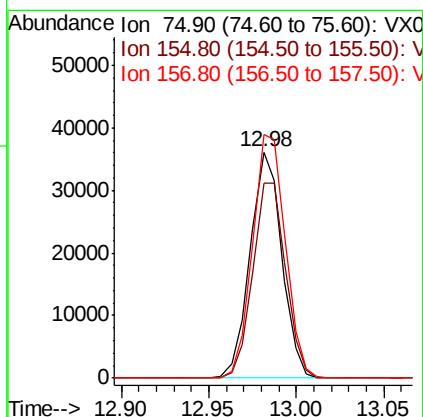
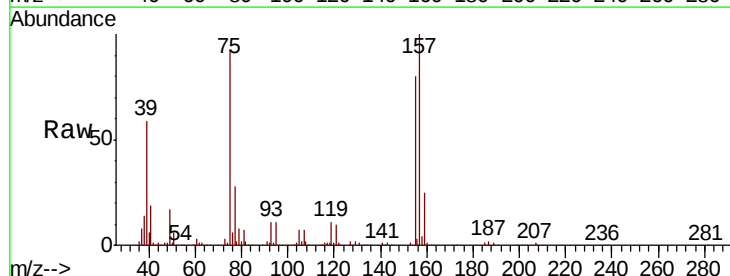
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

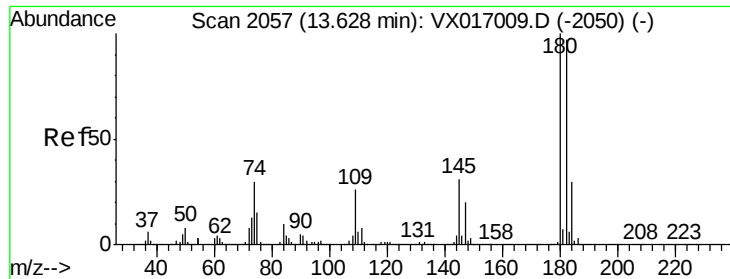
Tot Ion:146 Resp: 296974
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.9
 148 64.9 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.389 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion: 75 Resp: 45597
 Ion Ratio Lower Upper
 75 100
 155 89.7 45.1 135.2
 157 111.2 56.5 169.3

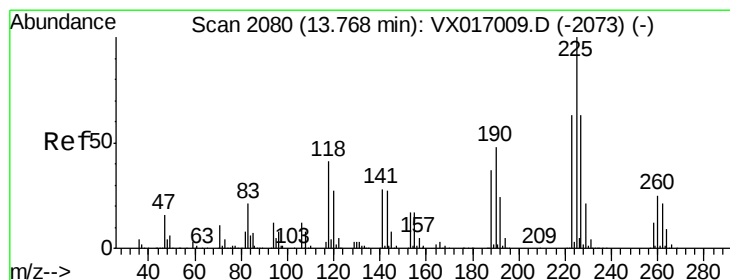
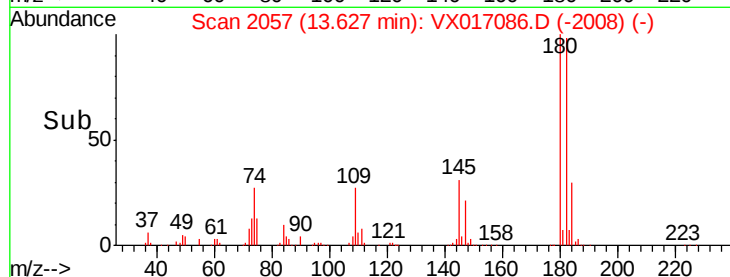
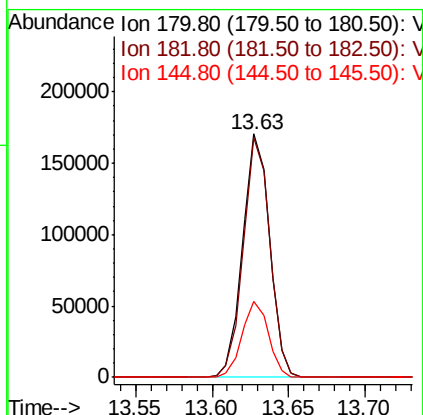
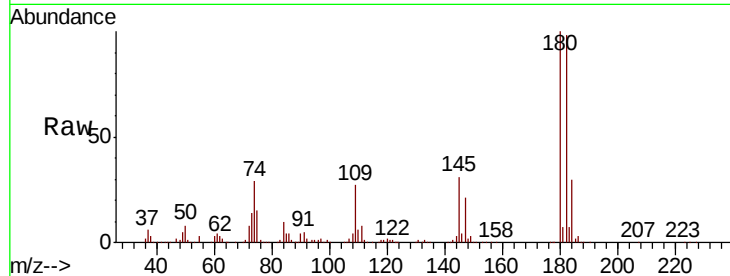




#93
 1,2,4-Trichlorobenzene
 Concen: 49.057 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

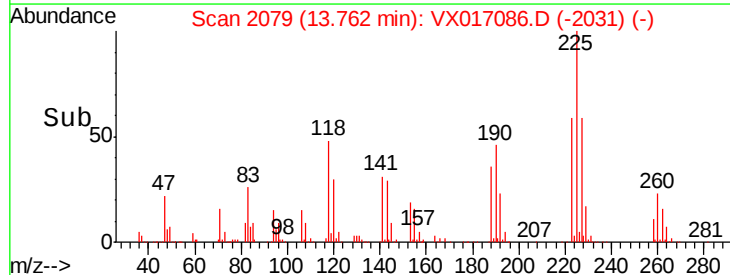
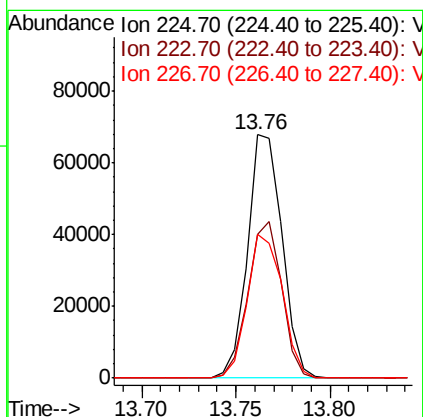
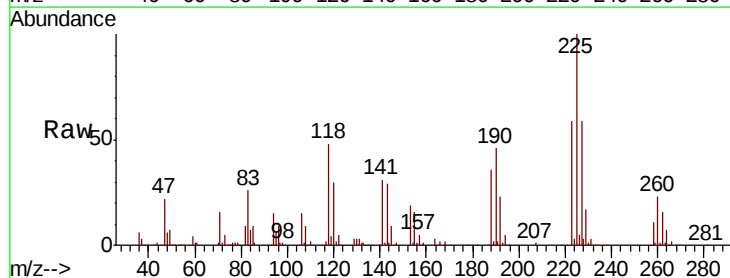
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

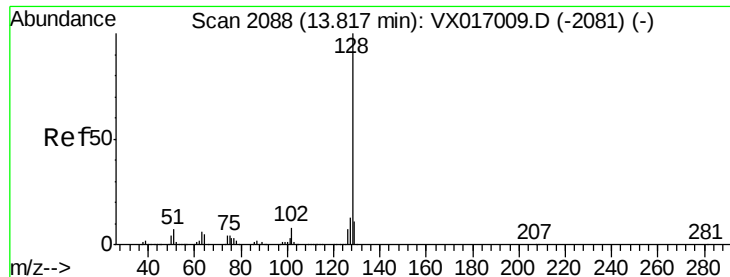
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	30.7	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 53.321 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017086.D
 Acq: 01 Jul 2020 10:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.5
227	60.2	33.1	99.2





#95

Naphthalene

Concen: 50.724 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

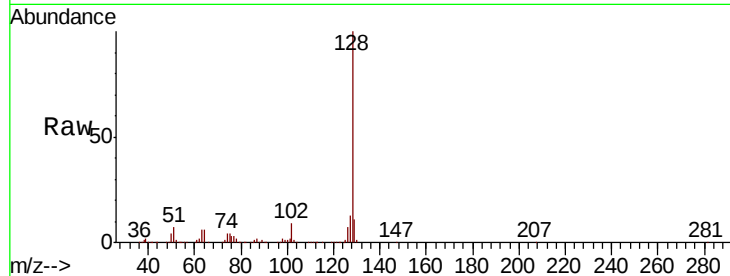
Tot Ion:128 Resp: 657471

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

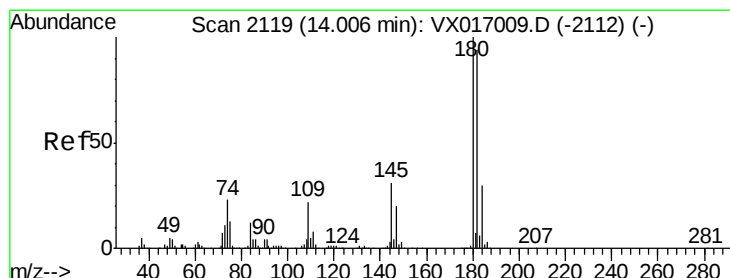
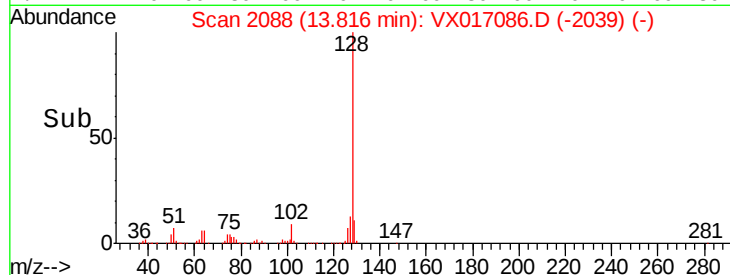
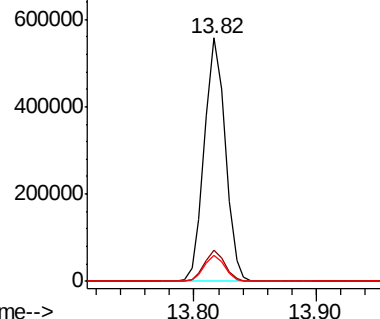
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.246 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX017086.D

Acq: 01 Jul 2020 10:10

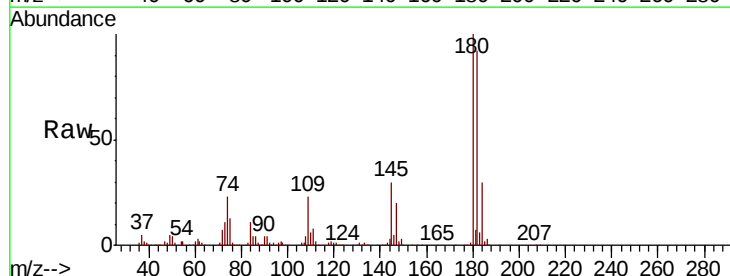
Tgt Ion:180 Resp: 207316

Ion Ratio Lower Upper

180 100

182 95.2 47.1 141.4

145 33.1 16.6 49.7



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

