

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062719.D
 Acq On : 23 May 2019 10:16
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 02:11:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	822430	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1330224	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	1002658	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	444845	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	260598	44.84	ug/l	-0.02
Spiked Amount			Recovery	=	89.68%	
35) Dibromofluoromethane	4.30	113	492891	48.42	ug/l	-0.02
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	7.70	98	1134873	46.70	ug/l	-0.02
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.49	95	379382	41.16	ug/l	-0.02
Spiked Amount			Recovery	=	82.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	480973	42.975	ug/l	94
3) Chloromethane	1.14	50	433516	42.067	ug/l	99
4) Vinyl Chloride	1.19	62	395846	41.729	ug/l	98
5) Bromomethane	1.39	94	249242	48.028	ug/l	98
6) Chloroethane	1.44	64	169160	48.555	ug/l	93
7) Trichlorofluoromethane	1.55	101	624634	49.041	ug/l	85
8) Diethyl Ether	1.71	74	109221	43.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	390309	48.125	ug/l	99
10) Methyl Iodide	1.98	142	766730	48.125	ug/l	96
11) Tert butyl alcohol	2.69	59	88205	229.884	ug/l	96
12) 1,1-Dichloroethene	1.87	96	331768	44.906	ug/l	97
13) Acrolein	2.09	56	69448	173.394	ug/l	100
14) Allyl chloride	2.19	41	378457	56.599	ug/l #	88
15) Acrylonitrile	3.08	53	231727	214.100	ug/l	100
16) Acetone	2.34	43	412882	273.841	ug/l	92
17) Carbon Disulfide	1.91	76	971510	44.365	ug/l	95
18) Methyl Acetate	2.46	43	96028	40.530	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	626269	47.418	ug/l	100
20) Methylene Chloride	2.32	84	234345	31.008	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	365797	50.655	ug/l	91
22) Diisopropyl ether	2.93	45	760369	46.106	ug/l	98
23) Vinyl Acetate	3.34	43	2553779	229.554	ug/l	98
24) 1,1-Dichloroethane	3.01	63	592828	49.000	ug/l	99
25) 2-Butanone	4.51	43	792850	246.129	ug/l	93
26) 2,2-Dichloropropane	3.77	77	371913	53.727	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	592043	49.842	ug/l	98
28) Bromochloromethane	3.90	49	289907	42.725	ug/l	94
29) Tetrahydrofuran	4.25	42	286977	220.152	ug/l	95
30) Chloroform	4.04	83	877032	52.212	ug/l	100
31) Cyclohexane	3.88	56	741060	45.619	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	561989	50.377	ug/l	98
36) 1,1-Dichloropropene	4.46	75	695899	51.054	ug/l	96
37) Ethyl Acetate	4.29	43	234622	42.157	ug/l #	93
38) Carbon Tetrachloride	4.17	117	655805	63.973	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	838422	51.120	ug/l	96
40) Benzene	4.82	78	1911257	51.470	ug/l	100
41) Methacrylonitrile	4.92	41	140397	48.117	ug/l	92
42) 1,2-Dichloroethane	5.12	62	380704	51.411	ug/l	93
43) Isopropyl Acetate	7.10	43	301969	41.881	ug/l	100
44) Trichloroethene	5.67	130	545750	52.292	ug/l	90
45) 1,2-Dichloropropane	6.40	63	464579	49.561	ug/l	96
46) Dibromomethane	6.25	93	275746	50.900	ug/l	92
47) Bromodichloromethane	6.54	83	595290	52.931	ug/l	99
48) Methyl methacrylate	6.87	41	155099	41.155	ug/l #	89
49) 1,4-Dioxane	6.87	88	41249	854.569	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	1103208	223.844	ug/l	99
52) Toluene	7.77	92	1031835	52.984	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	466758	50.729	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	665973	51.706	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	296574	51.433	ug/l	96
56) Ethyl methacrylate	8.75	69	304774	44.365	ug/l	93
57) 1,3-Dichloropropane	8.99	76	499181	50.825	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	547291	244.755	ug/l	99
59) 2-Hexanone	9.62	43	831108	259.899	ug/l	90
60) Dibromochloromethane	8.85	129	401282	53.396	ug/l	97
61) 1,2-Dibromoethane	9.12	107	317633	51.862	ug/l	98
64) Tetrachloroethene	8.30	164	404471	50.920	ug/l	97
65) Chlorobenzene	9.92	112	1030209	52.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	422590	53.453	ug/l	98
67) Ethyl Benzene	10.02	91	1708281	49.933	ug/l	98
68) m/p-Xylenes	10.25	106	1331908	103.585	ug/l	97
69) o-Xylene	10.81	106	694176	52.415	ug/l	93
70) Styrene	10.88	104	987500	49.056	ug/l	99
71) Bromoform	10.87	173	212116	53.571	ug/l #	97
73) Isopropylbenzene	11.20	105	1728260	54.207	ug/l	100
74) N-amyl acetate	11.44	43	413347	51.069	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	346318	53.151	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	211763	49.463	ug/l	99
77) Bromobenzene	11.58	156	424624	53.580	ug/l	85
78) n-propylbenzene	11.67	91	1972543	52.277	ug/l	99
79) 2-Chlorotoluene	11.78	91	1163164	54.700	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	1365862	53.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	138165	72.603	ug/l	95
82) 4-Chlorotoluene	11.96	91	1130760	53.924	ug/l	98
83) tert-Butylbenzene	12.19	119	1437079	55.406	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1346097	54.402	ug/l	97
85) sec-Butylbenzene	12.36	105	1864572	53.567	ug/l	97
86) p-Isopropyltoluene	12.51	119	1582426	53.944	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	751346	52.402	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	703289	52.269	ug/l	96
89) n-Butylbenzene	12.89	91	1502020	51.932	ug/l	99
90) Hexachloroethane	12.97	117	403085	57.281	ug/l	75
91) 1,2-Dichlorobenzene	12.99	146	686594	53.720	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	43998	56.604	ug/l	74

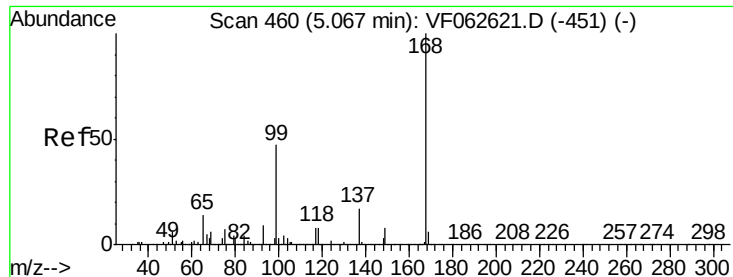
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	500838	54.745	ug/l	96
94) Hexachlorobutadiene	14.22	225	358476	56.148	ug/l	97
95) Naphthalene	14.49	128	811872	48.849	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	469658	54.198	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

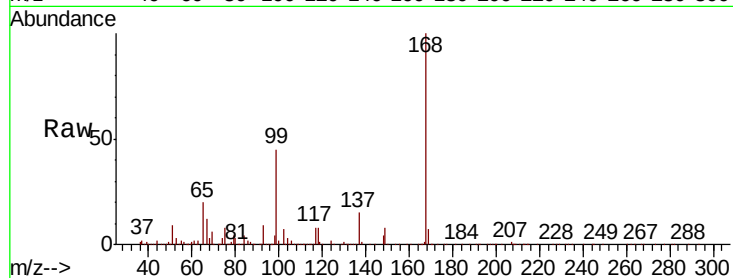
VSTDCCC050

Tot Ion:168 Resp: 822430

Ion Ratio Lower Upper

168 100

99 45.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

300000

250000

200000

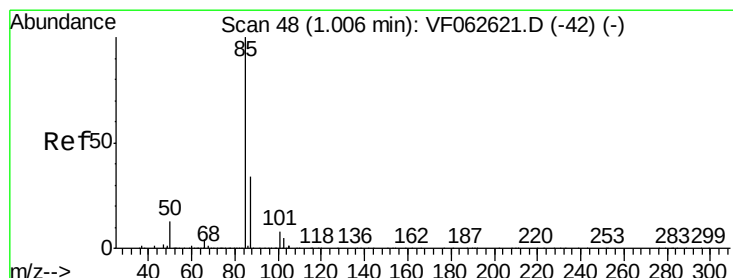
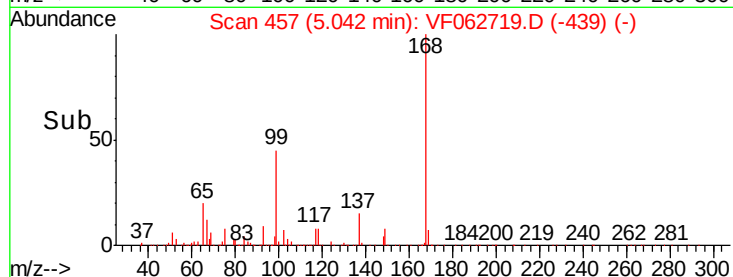
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.975 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062719.D

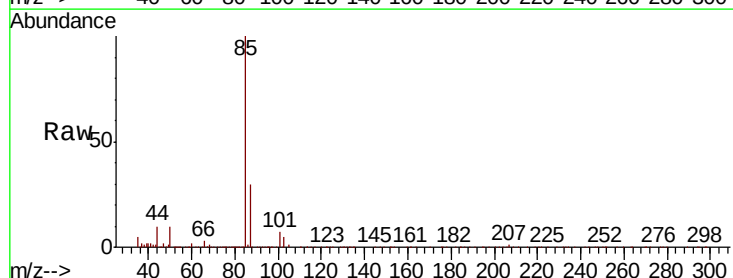
Acq: 23 May 2019 10:16

Tgt Ion: 85 Resp: 480973

Ion Ratio Lower Upper

85 100

87 30.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

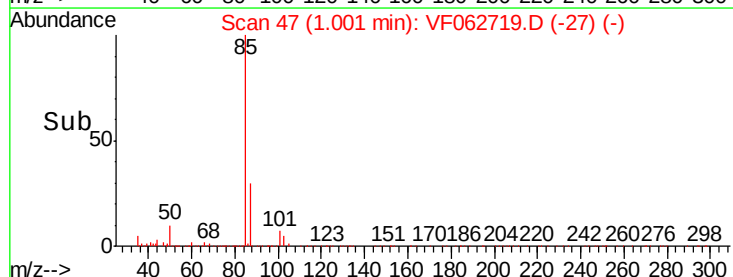
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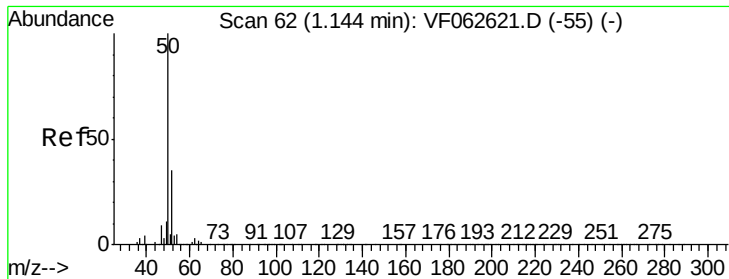
100000

50000

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Time-->





#3

Chloromethane

Concen: 42.067 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

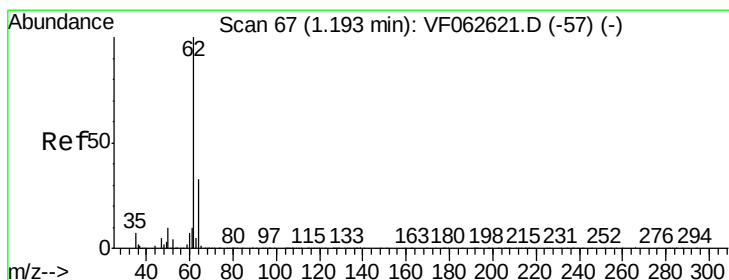
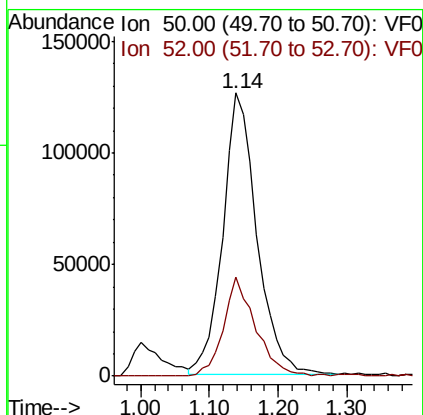
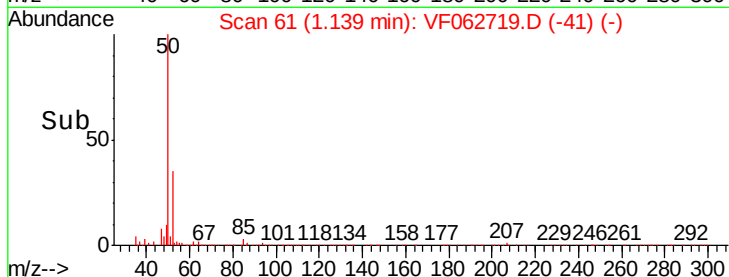
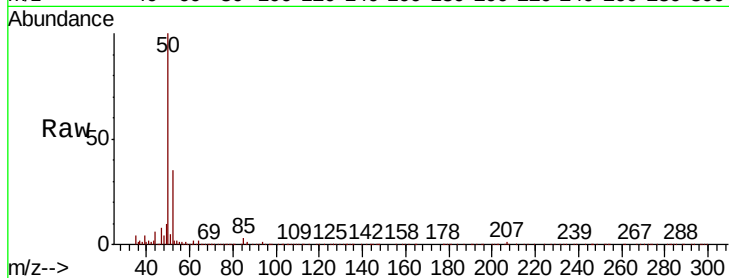
VSTDCCC050

Tot Ion: 50 Resp: 433516

Ion Ratio Lower Upper

50 100

52 34.8 27.5 41.3



#4

Vinyl Chloride

Concen: 41.729 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062719.D

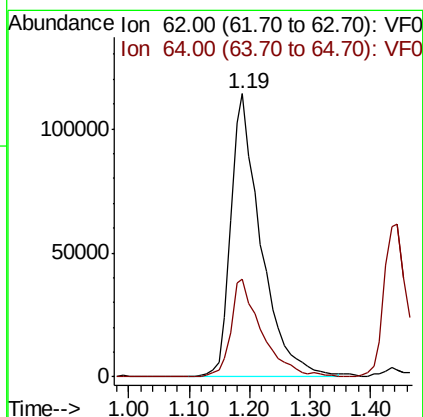
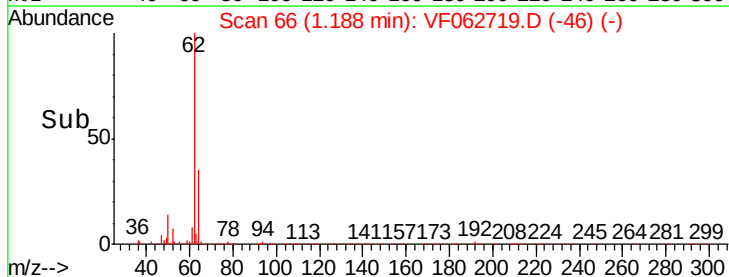
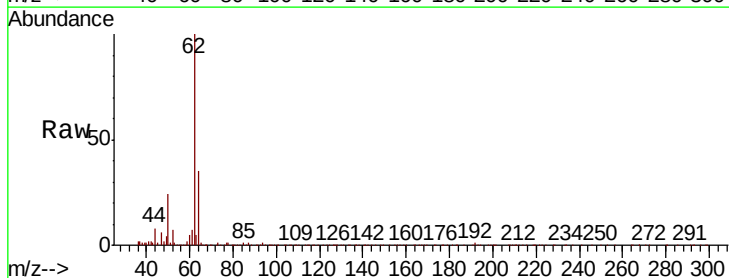
Acq: 23 May 2019 10:16

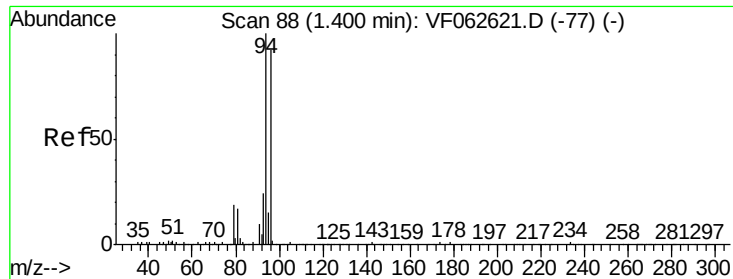
Tgt Ion: 62 Resp: 395846

Ion Ratio Lower Upper

62 100

64 34.5 26.7 40.1





#5

Bromomethane

Concen: 48.028 ug/l

RT: 1.39 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

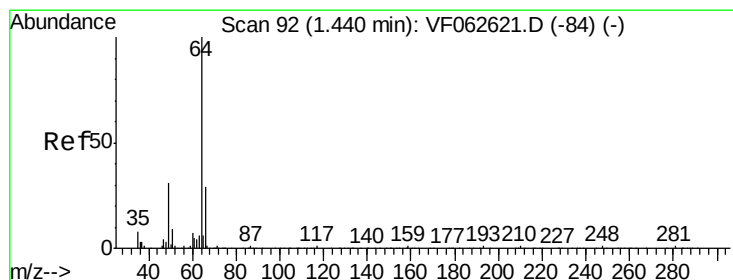
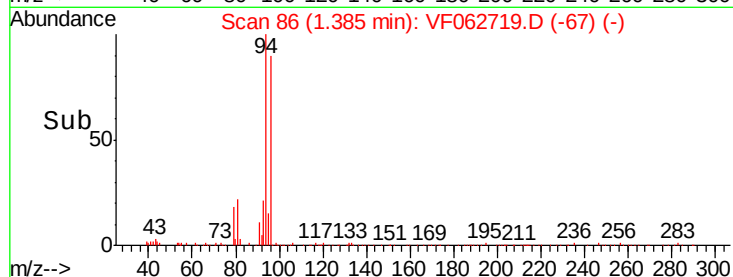
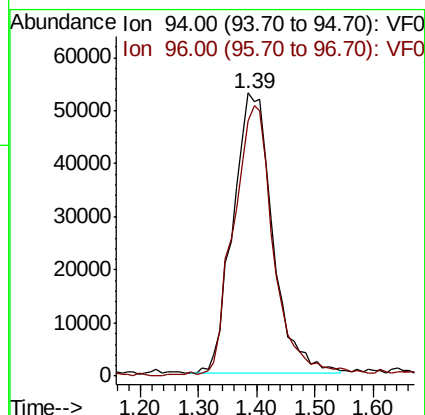
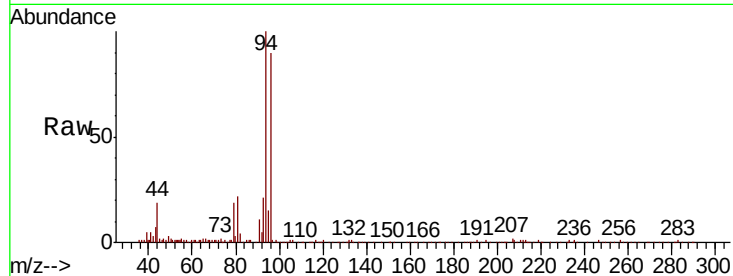
VSTDCCC050

Tot Ion: 94 Resp: 249242

Ion Ratio Lower Upper

94 100

96 90.0 73.2 109.8



#6

Chloroethane

Concen: 48.555 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062719.D

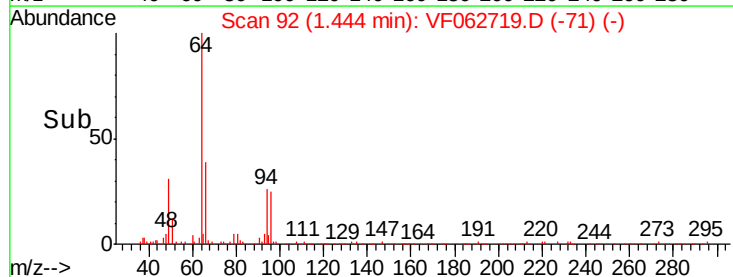
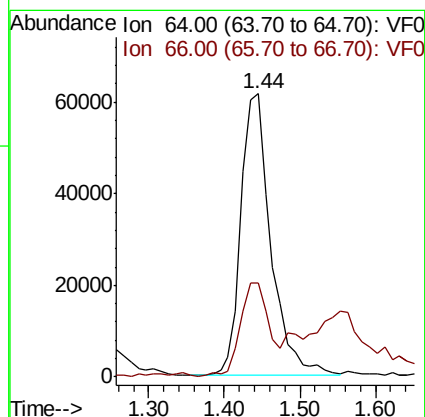
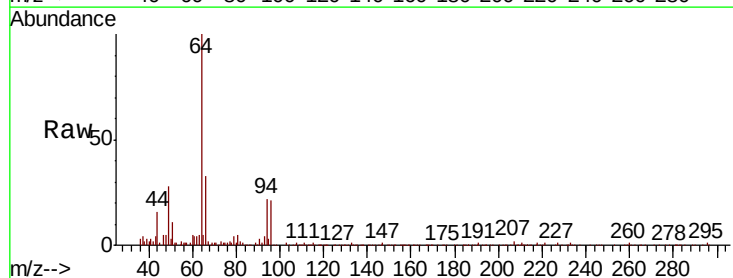
Acq: 23 May 2019 10:16

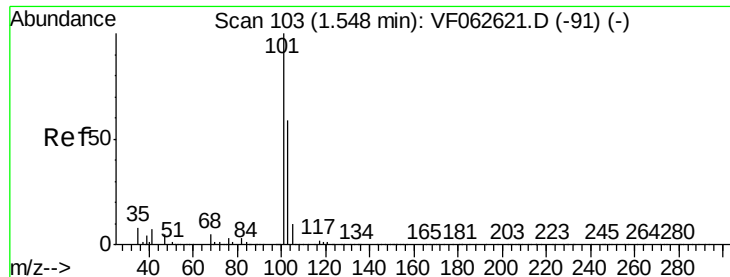
Tgt Ion: 64 Resp: 169160

Ion Ratio Lower Upper

64 100

66 33.2 23.4 35.2



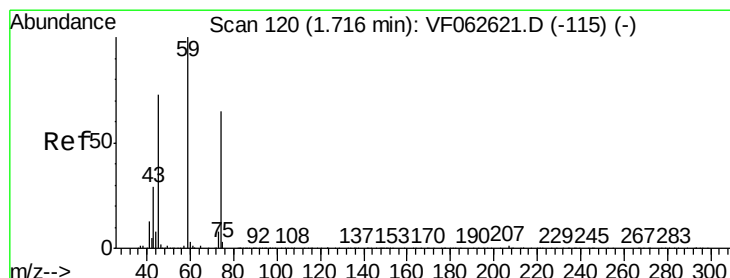
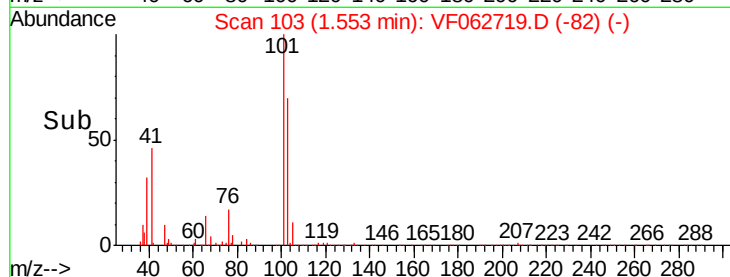
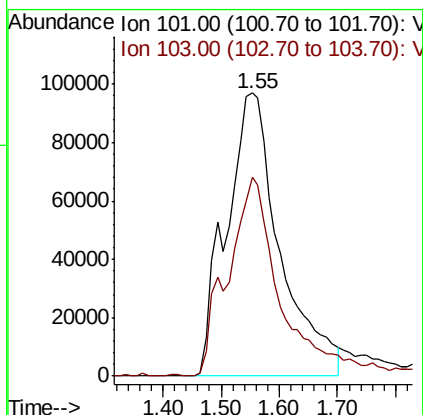
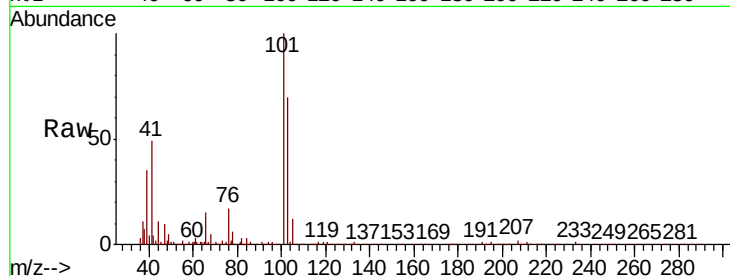


#7

Trichlorofluoromethane
Concen: 49.041 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

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ClientSampleId :
VSTDCCC050

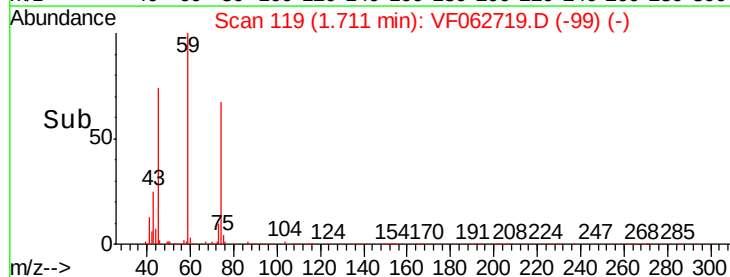
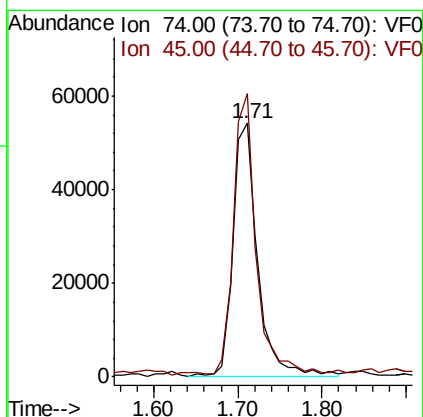
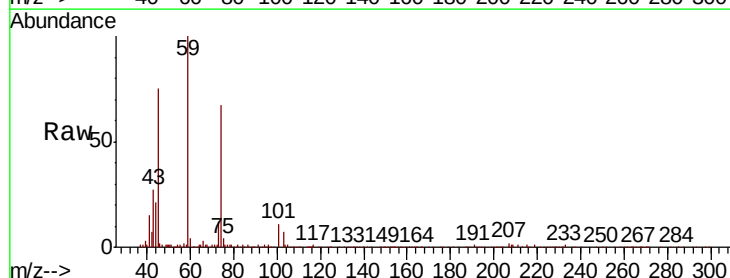
Tot Ion:101 Resp: 624634
Ion Ratio Lower Upper
101 100
103 70.4 47.3 70.9

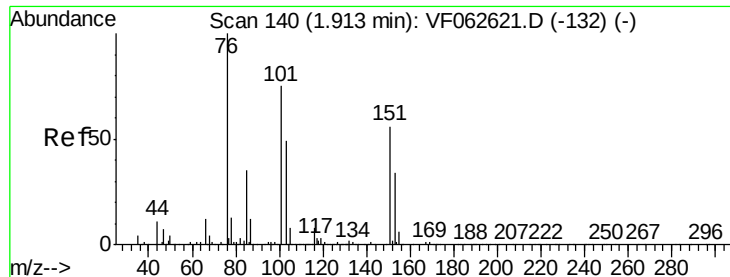


#8

Diethyl Ether
Concen: 43.285 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 74 Resp: 109221
Ion Ratio Lower Upper
74 100
45 111.6 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.125 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

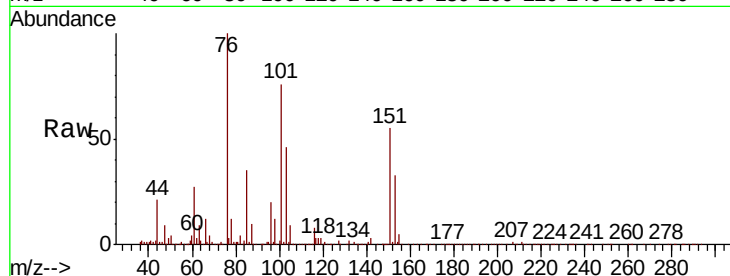
Tot Ion:101 Resp: 390309

Ion Ratio Lower Upper

101 100

85 46.3 37.1 55.7

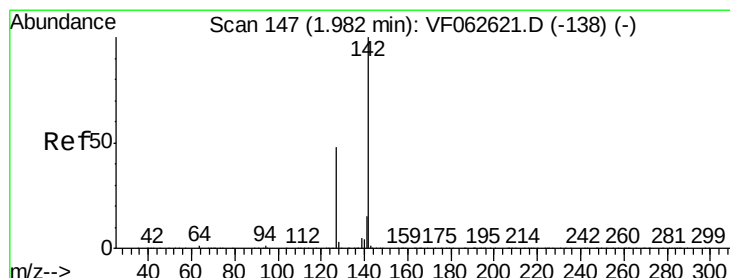
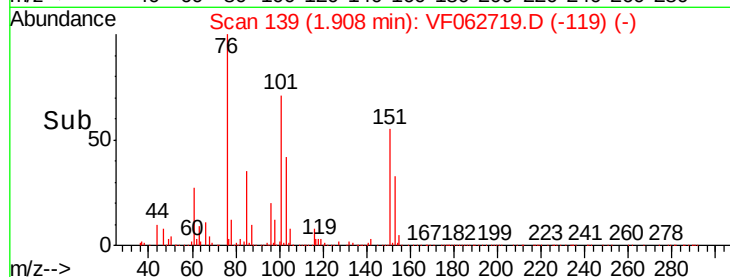
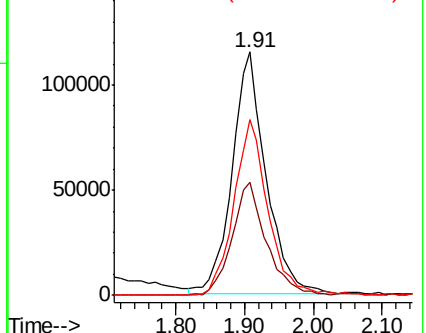
151 72.0 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.125 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

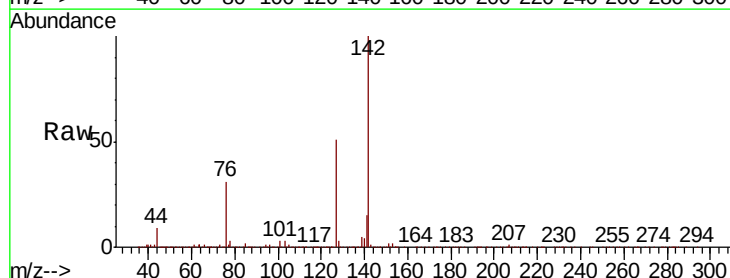
Tgt Ion:142 Resp: 766730

Ion Ratio Lower Upper

142 100

127 51.1 38.1 57.1

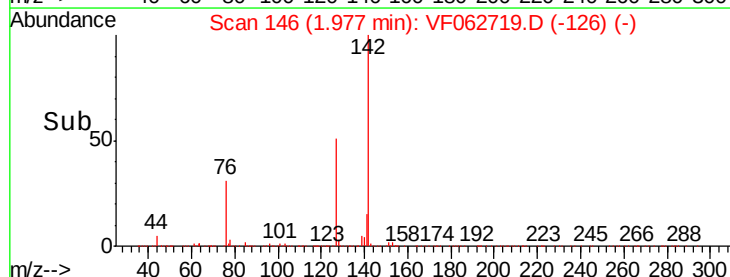
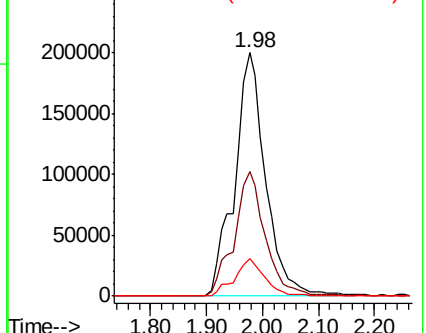
141 15.4 11.7 17.5

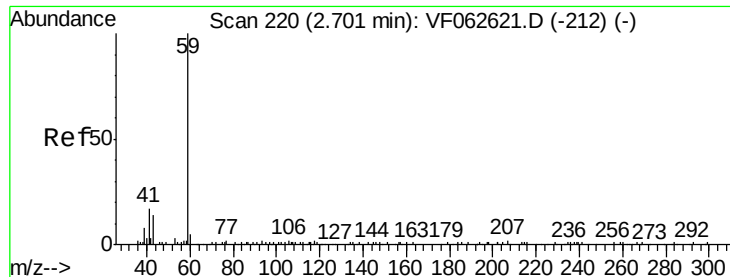


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



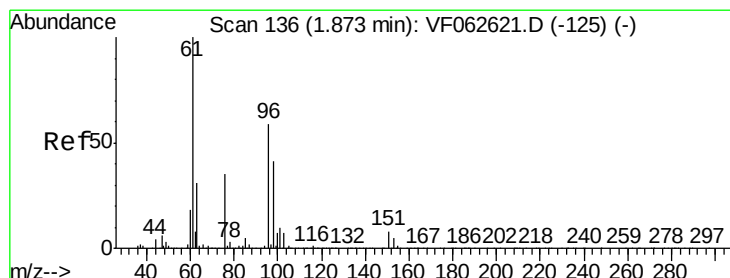
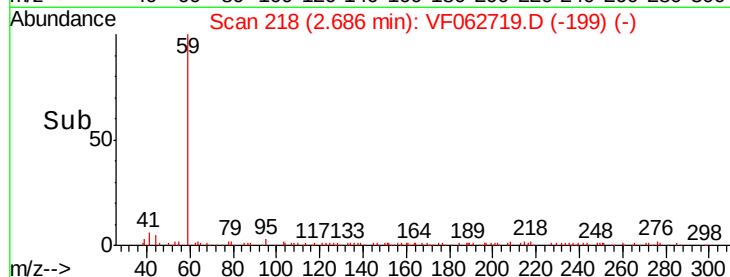
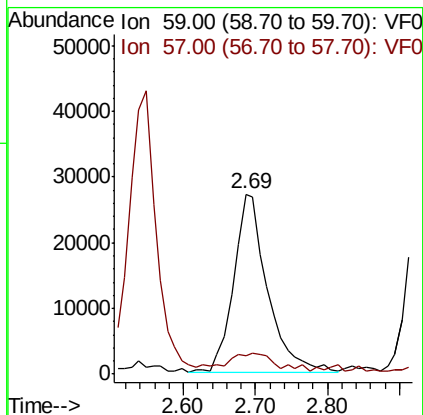
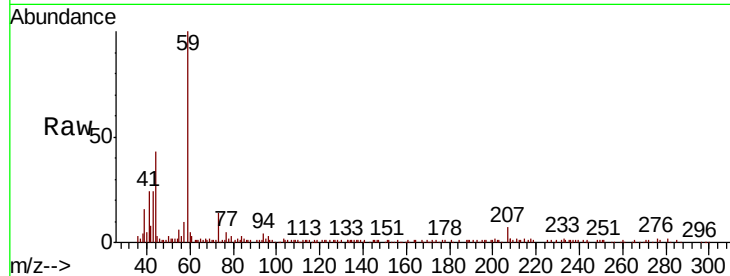


#11

Tert butyl alcohol
Concen: 229.884 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

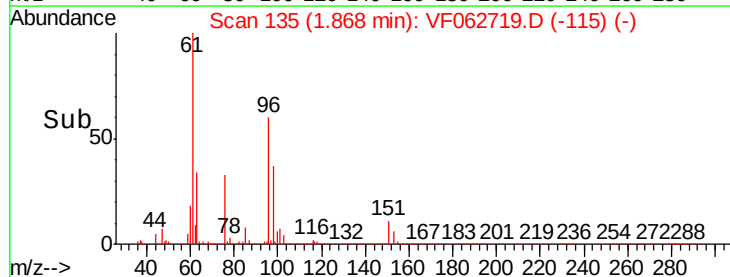
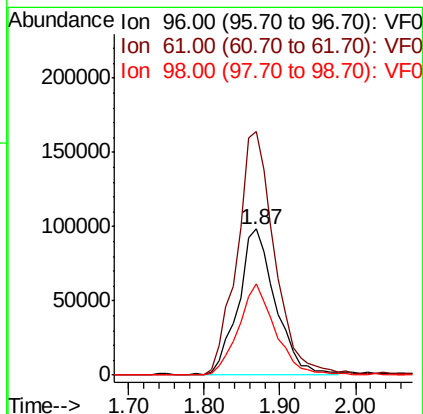
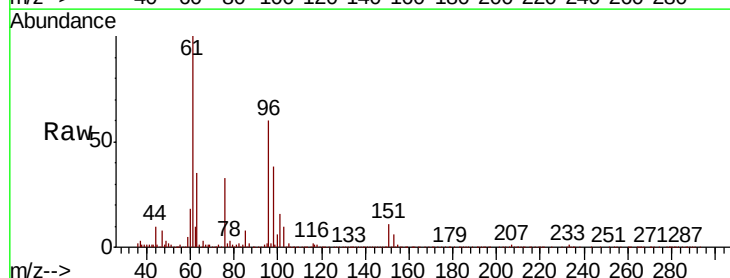
Tot Ion: 59 Resp: 88205
Ion Ratio Lower Upper
59 100
57 10.1 9.3 13.9

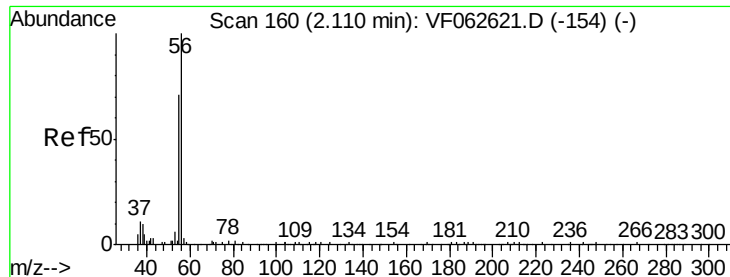


#12

1,1-Dichloroethene
Concen: 44.906 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 96 Resp: 331768
Ion Ratio Lower Upper
96 100
61 166.7 134.3 201.5
98 62.5 55.0 82.6





#13

Acrolein

Concen: 173.394 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

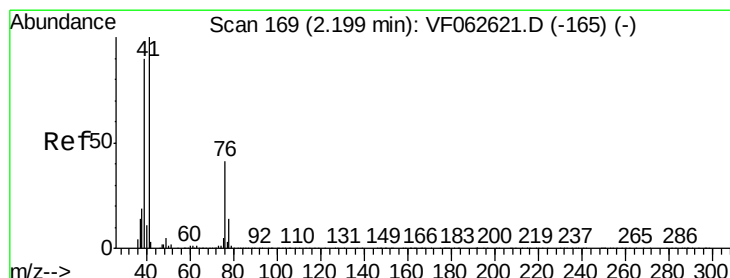
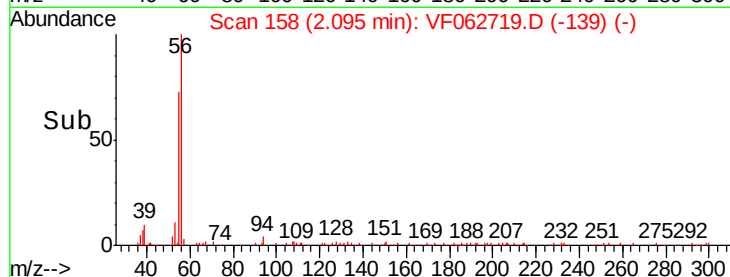
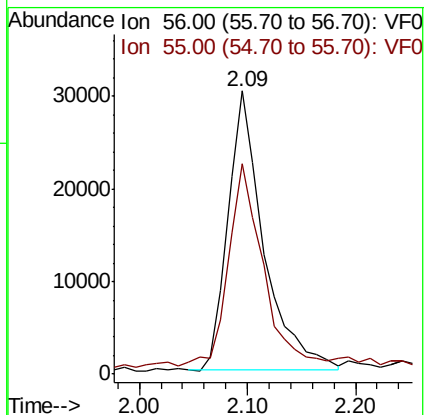
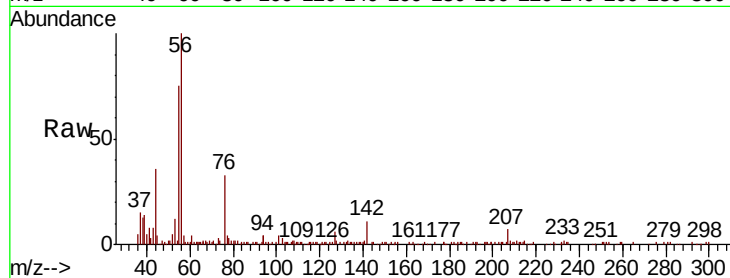
VSTDCCC050

Tot Ion: 56 Resp: 69448

Ion Ratio Lower Upper

56 100

55 74.5 59.4 89.0



#14

Allyl chloride

Concen: 56.599 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

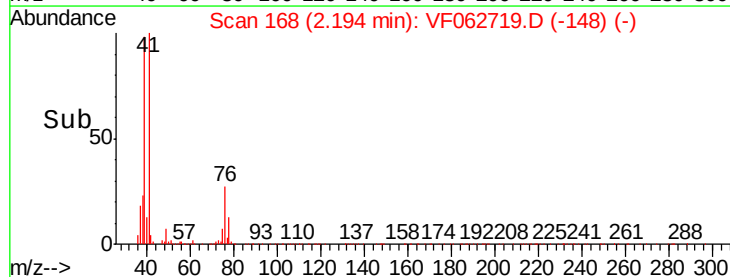
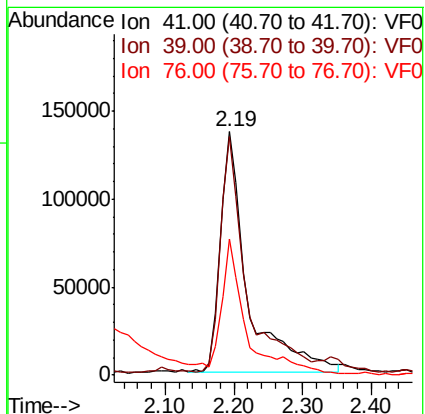
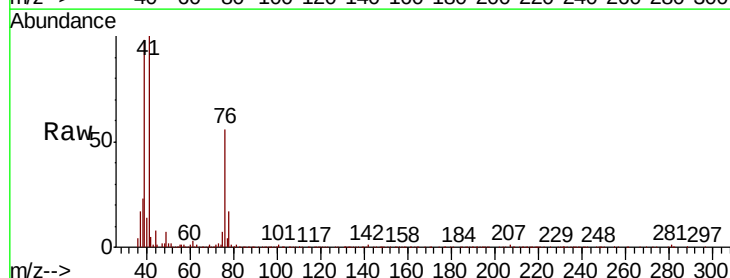
Tgt Ion: 41 Resp: 378457

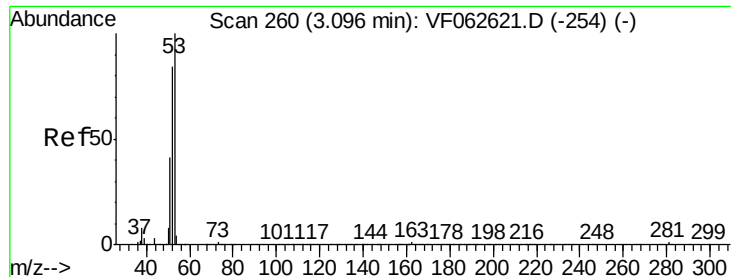
Ion Ratio Lower Upper

41 100

39 97.7 72.0 108.0

76 56.1 34.8 52.2#





#15

Acrylonitrile

Concen: 214.100 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

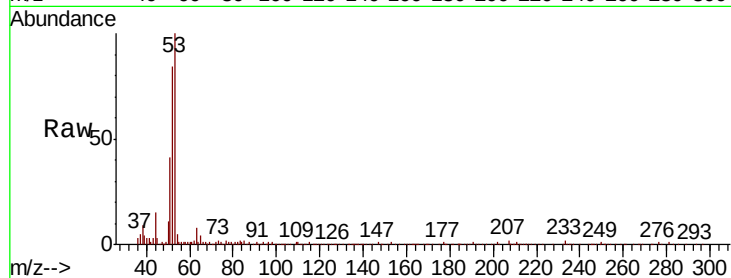
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 231727

Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.3	100.9
51	41.0	33.0	49.6

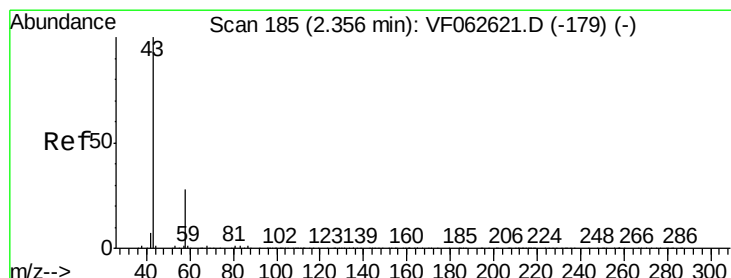
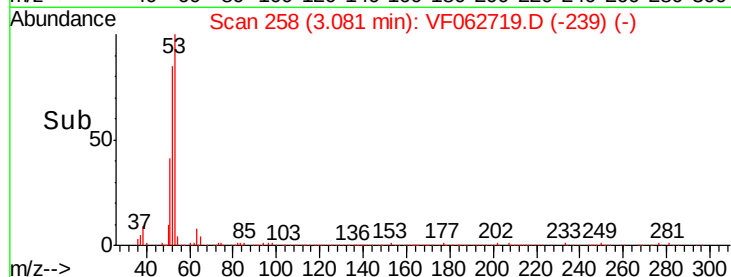
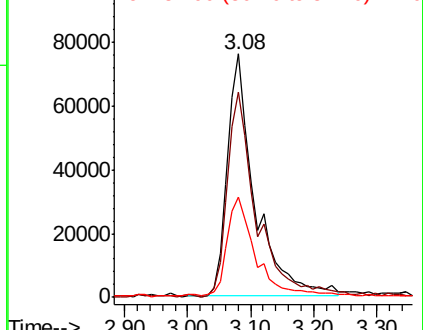


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 273.841 ug/l

RT: 2.34 min Scan# 183

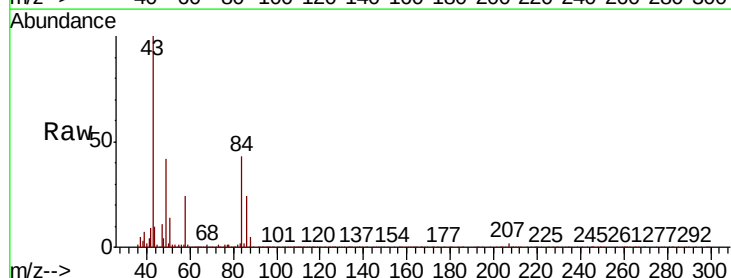
Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 43 Resp: 412882

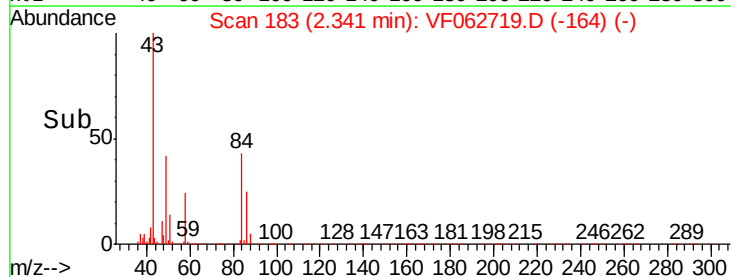
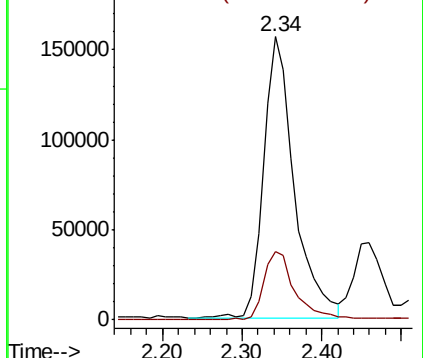
Ion	Ratio	Lower	Upper
43	100		
58	24.0	22.6	33.8

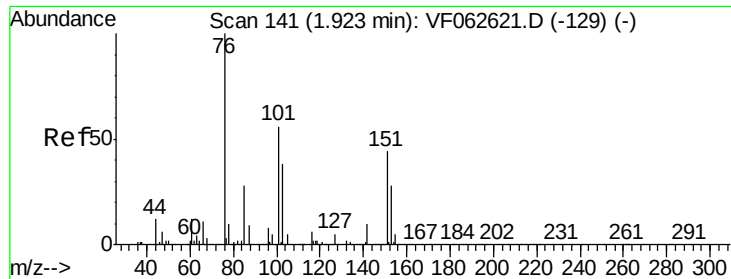


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 44.365 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

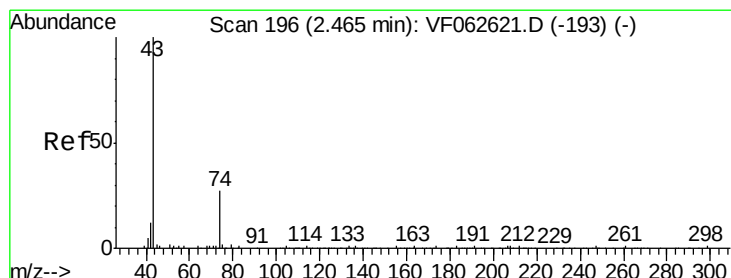
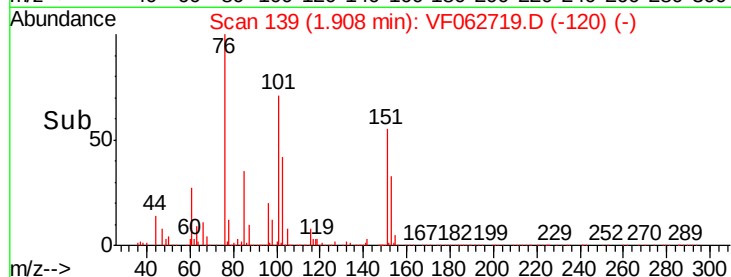
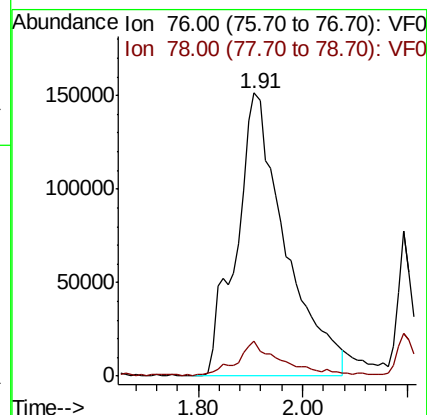
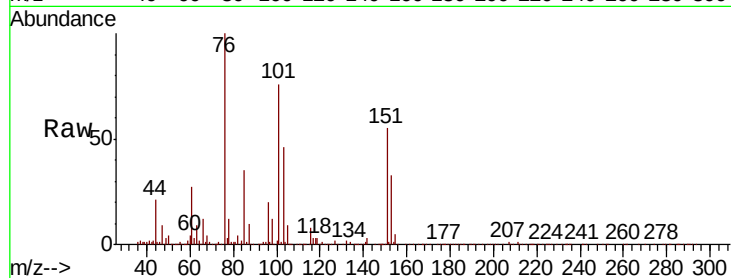
VSTDCCC050

Tot Ion: 76 Resp: 971510

Ion Ratio Lower Upper

76 100

78 12.3 8.4 12.6



#18

Methyl Acetate

Concen: 40.530 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062719.D

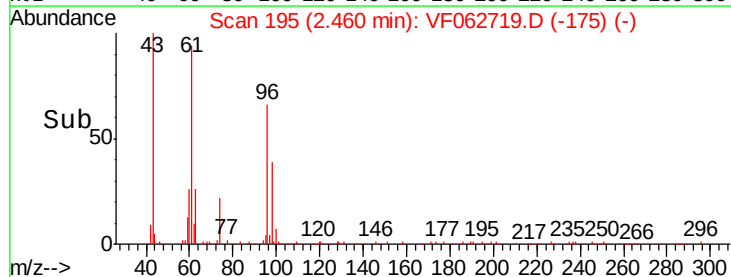
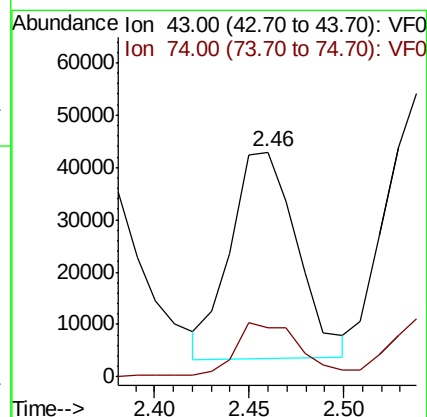
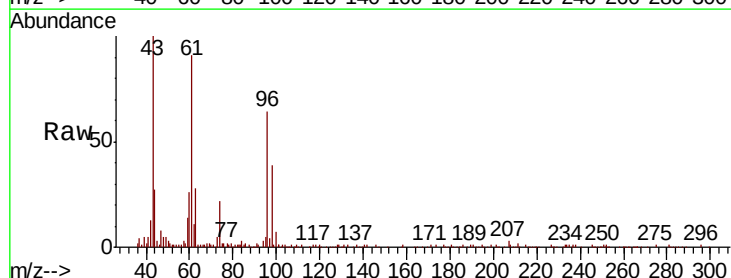
Acq: 23 May 2019 10:16

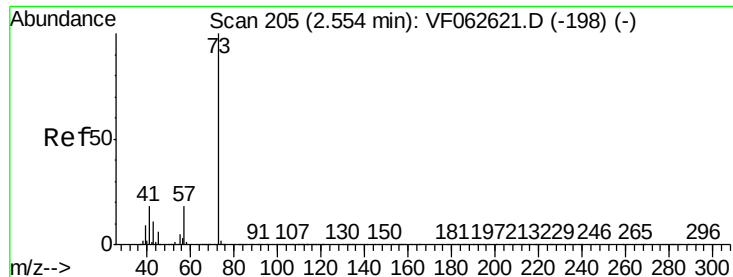
Tgt Ion: 43 Resp: 96028

Ion Ratio Lower Upper

43 100

74 22.2 18.9 28.3

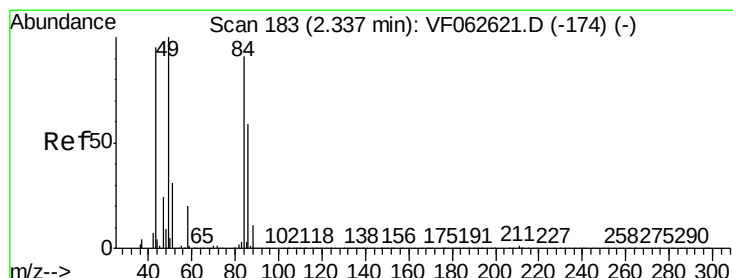
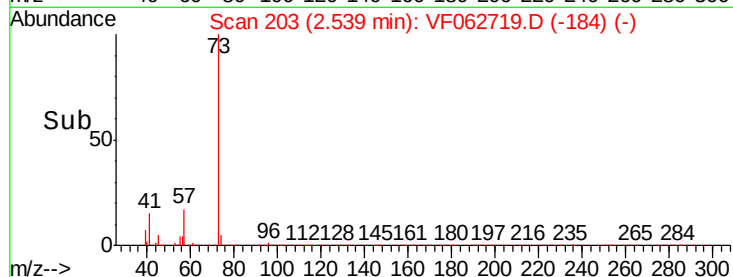
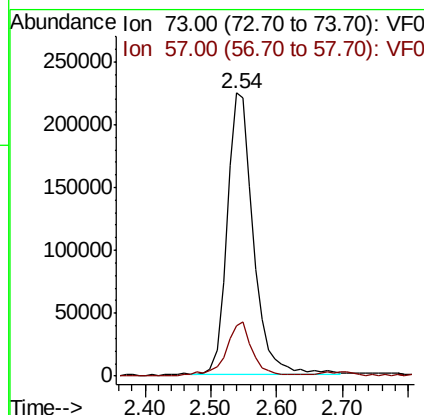
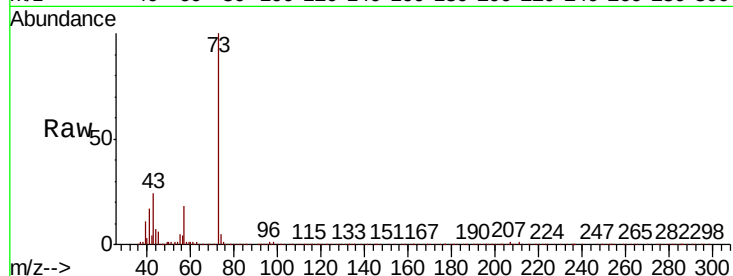




#19
Methyl tert-butyl Ether
Concen: 47.418 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

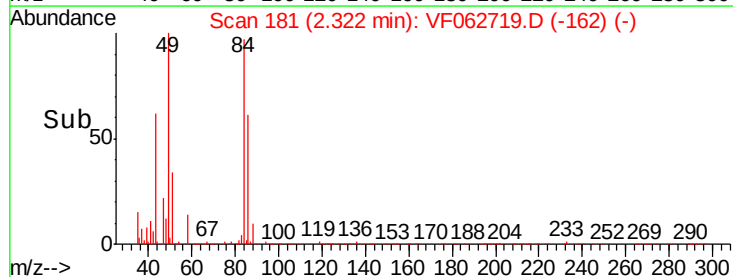
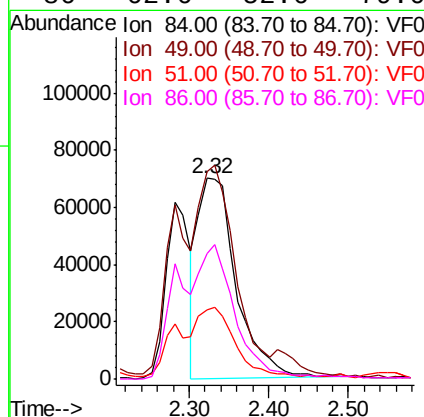
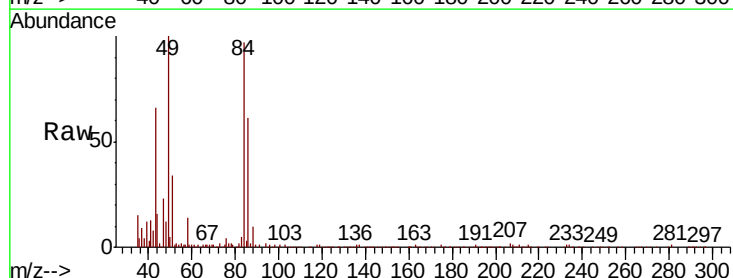
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

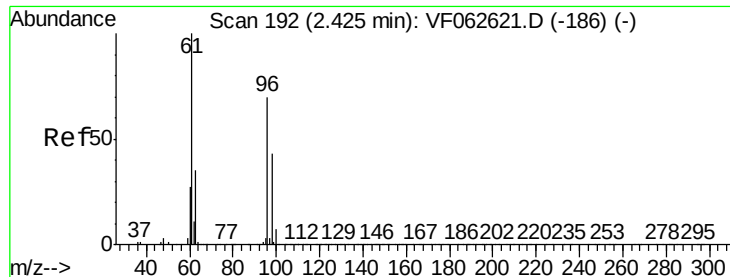
Tot Ion: 73 Resp: 626269
Ion Ratio Lower Upper
73 100
57 17.9 14.2 21.4



#20
Methylene Chloride
Concen: 31.008 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 84 Resp: 234345
Ion Ratio Lower Upper
84 100
49 103.3 89.8 134.8
51 34.7 28.4 42.6
86 62.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.655 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

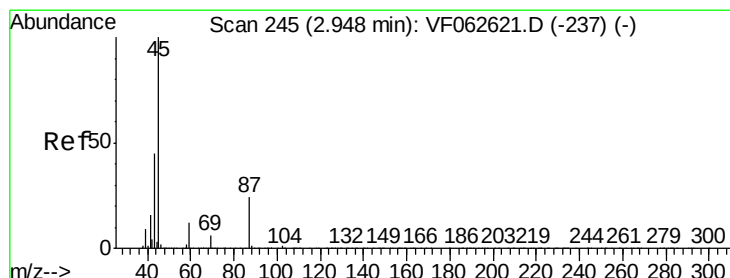
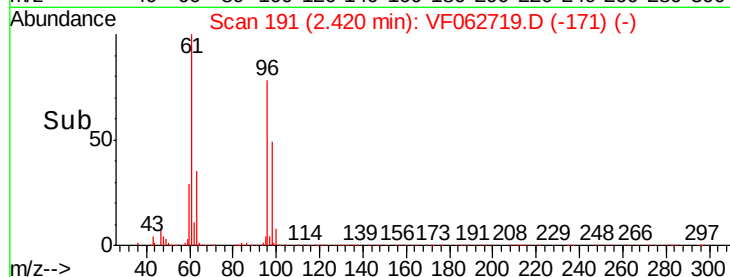
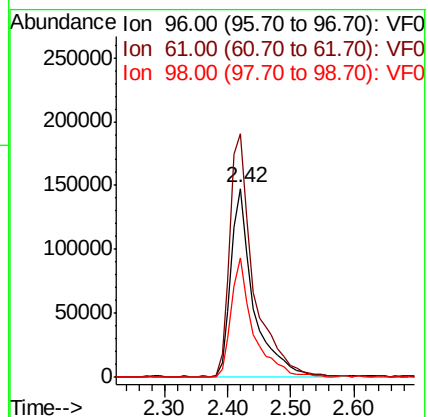
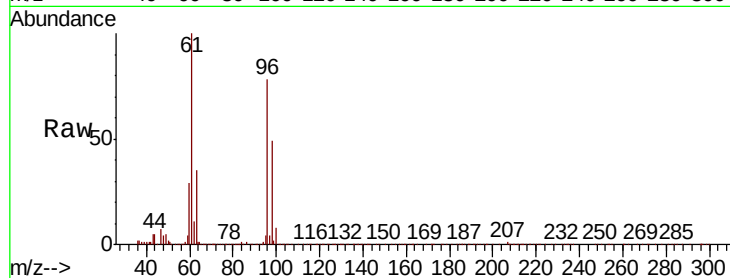
Tot Ion: 96 Resp: 365797

Ion Ratio Lower Upper

96 100

61 129.0 114.6 171.8

98 63.5 49.5 74.3



#22

Diisopropyl ether

Concen: 46.106 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 45 Resp: 760369

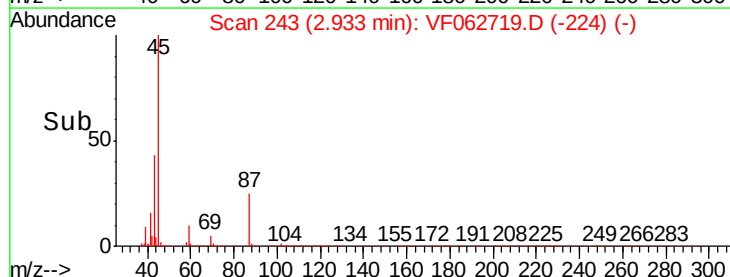
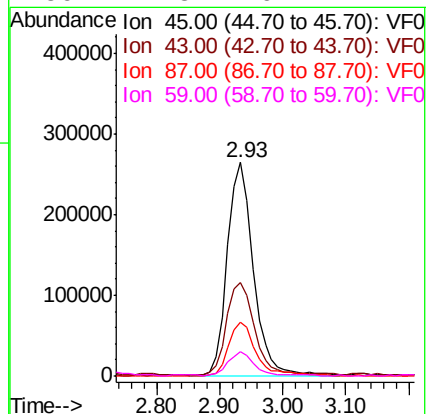
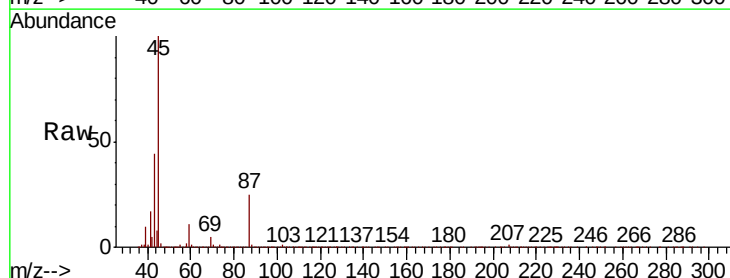
Ion Ratio Lower Upper

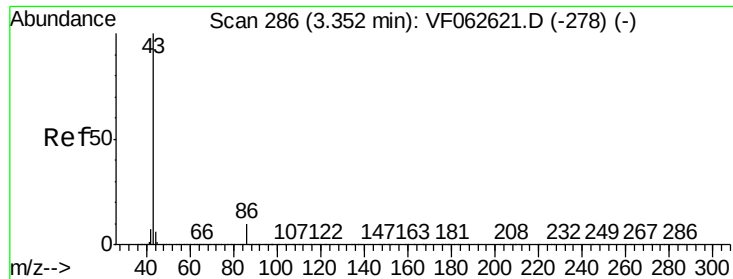
45 100

43 43.7 36.4 54.6

87 25.2 19.3 28.9

59 11.3 9.4 14.2





#23

Vinyl Acetate

Concen: 229.554 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

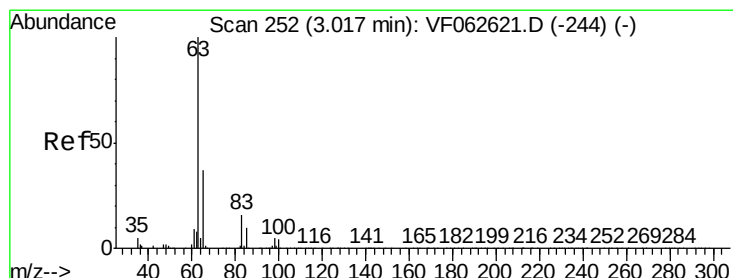
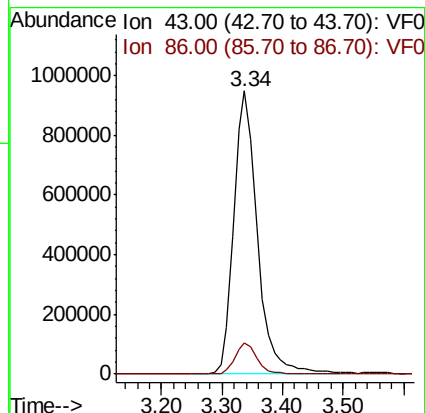
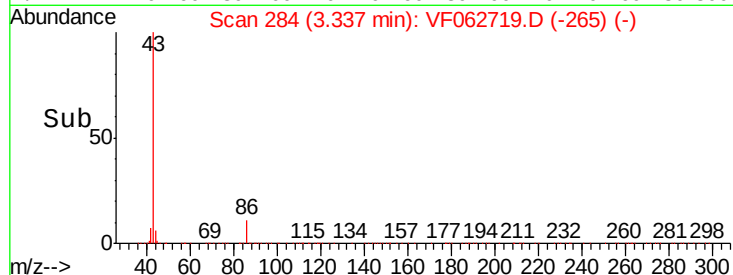
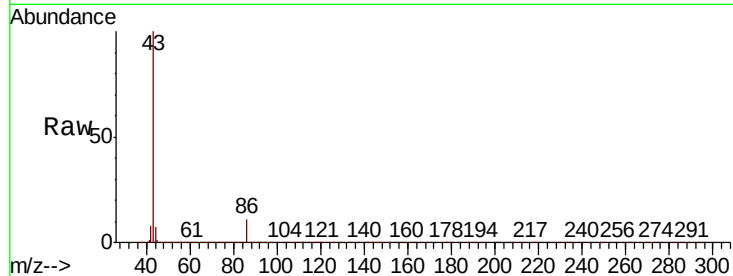
VSTDCCC050

Tot Ion: 43 Resp: 2553779

Ion Ratio Lower Upper

43 100

86 11.0 8.2 12.2



#24

1,1-Dichloroethane

Concen: 49.000 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

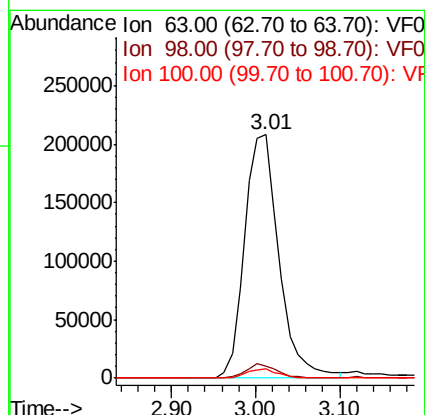
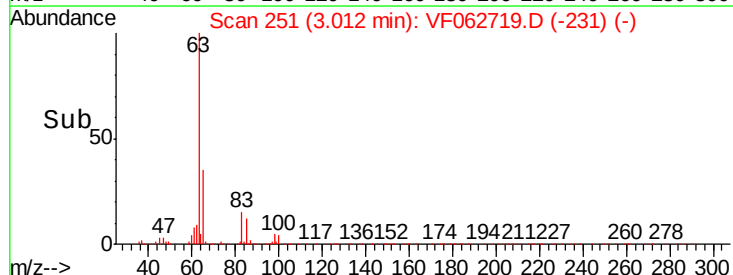
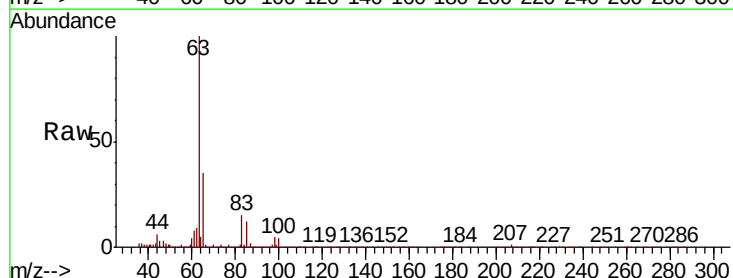
Tgt Ion: 63 Resp: 592828

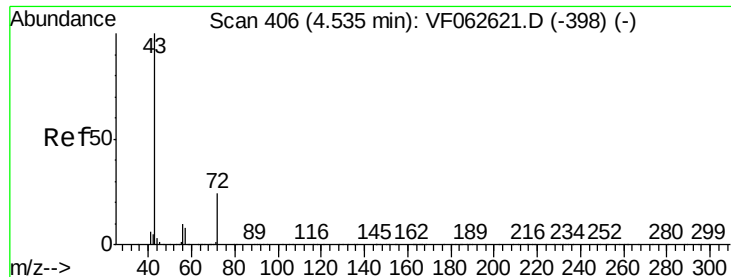
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.6 1.9 5.7

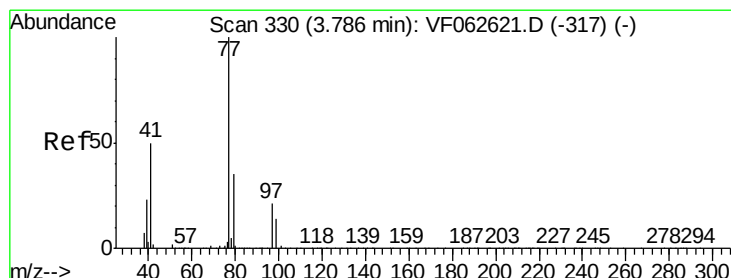
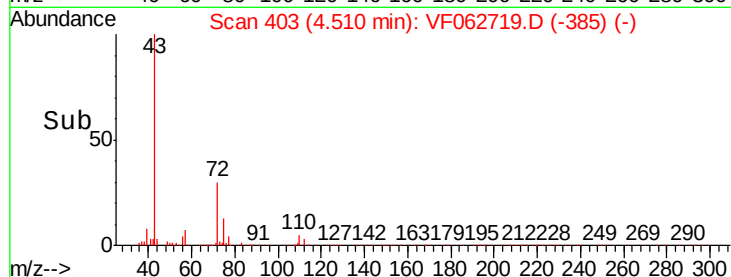
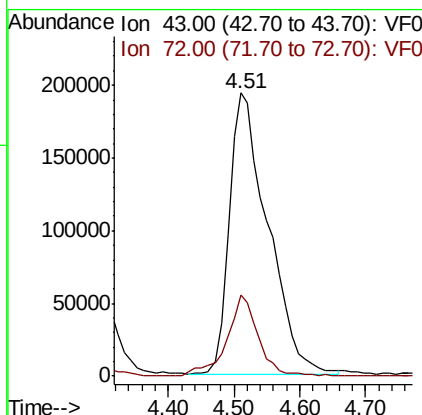
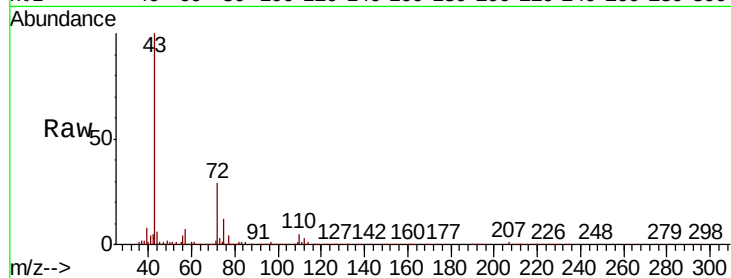




#25
2-Butanone
Concen: 246.129 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

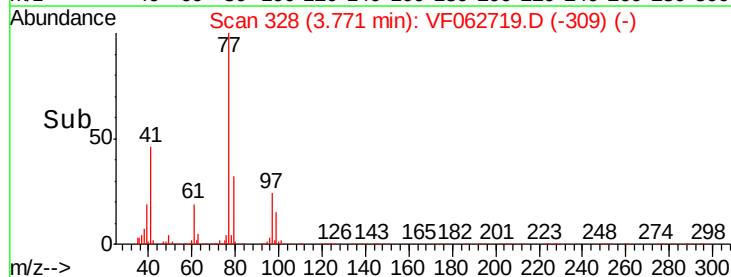
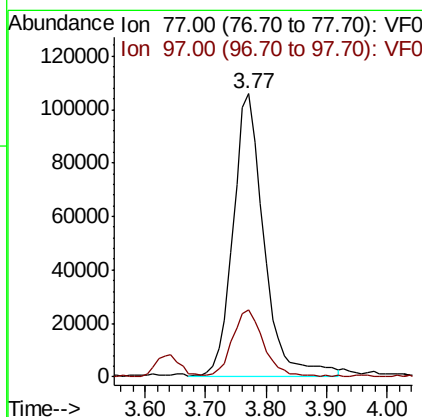
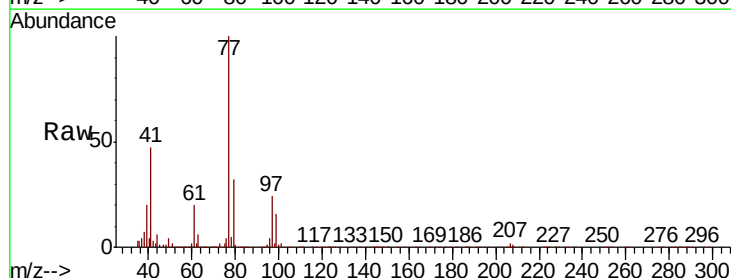
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

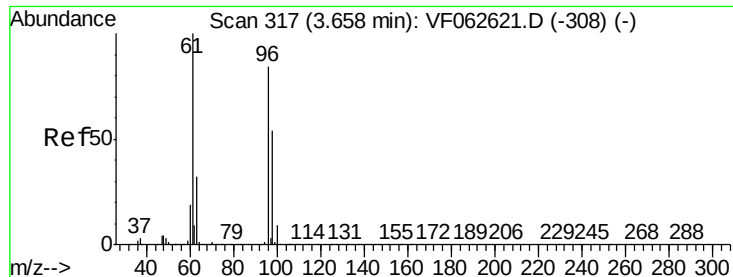
Tot Ion: 43 Resp: 792850
Ion Ratio Lower Upper
43 100
72 28.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 53.727 ug/l
RT: 3.77 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 77 Resp: 371913
Ion Ratio Lower Upper
77 100
97 23.6 14.1 42.4



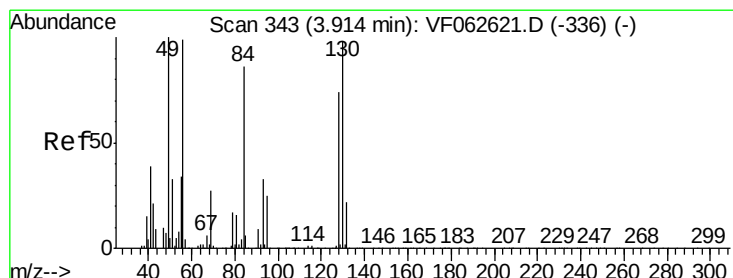
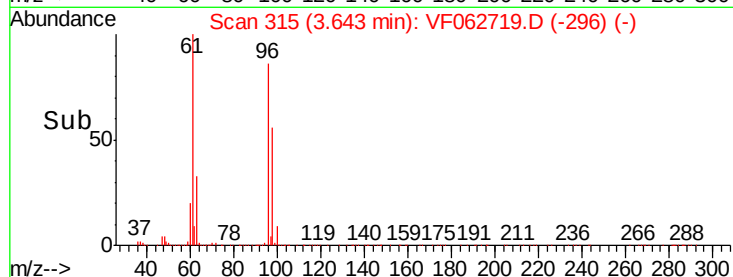
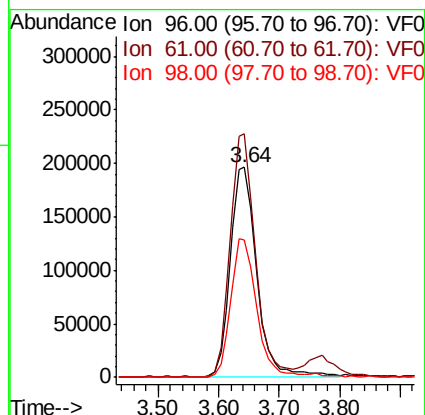
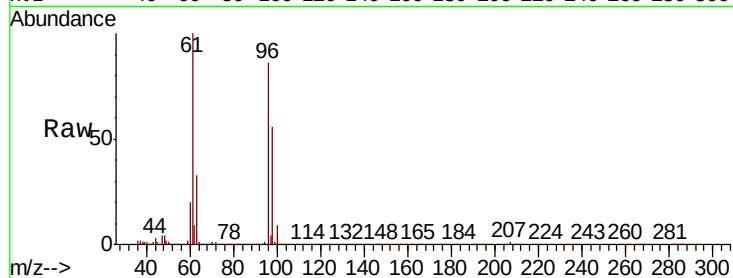


#27

cis-1,2-Dichloroethene
 Concen: 49.842 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

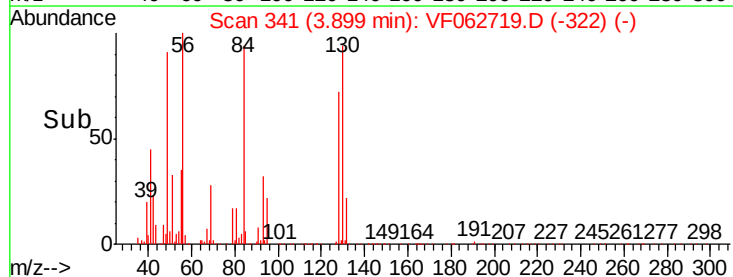
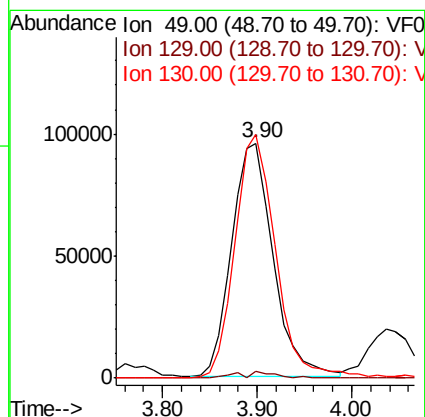
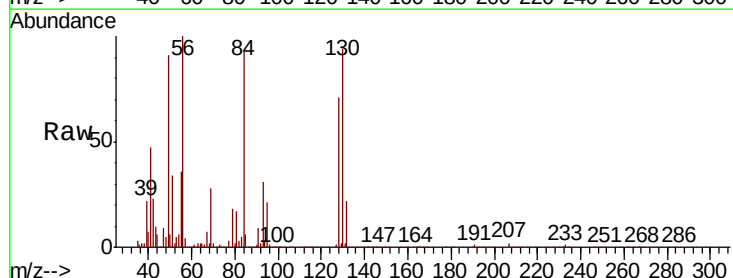
Tot Ion: 96 Resp: 592043
 Ion Ratio Lower Upper
 96 100
 61 115.8 0.0 237.4
 98 65.4 0.0 129.0

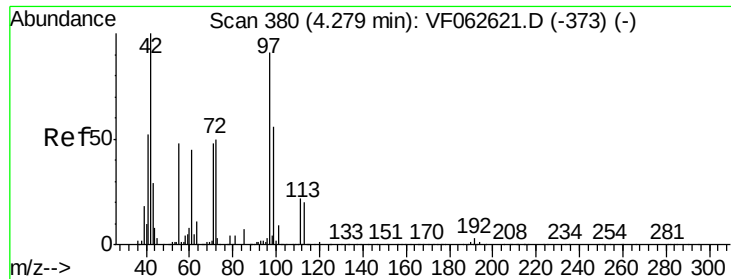


#28

Bromochloromethane
 Concen: 42.725 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion: 49 Resp: 289907
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.0
 130 103.5 77.8 116.8

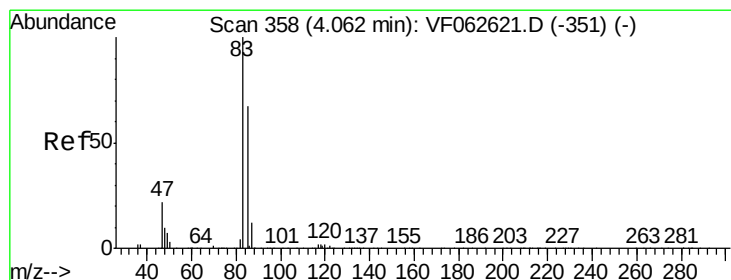
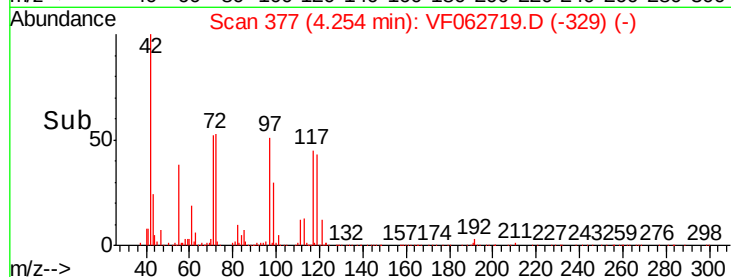
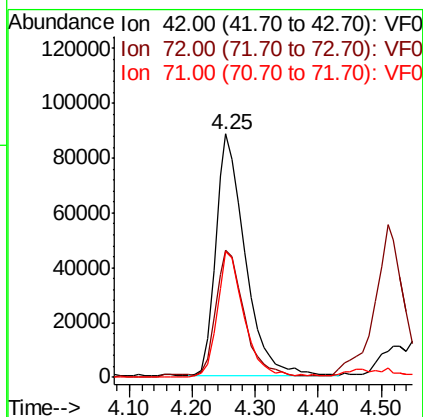
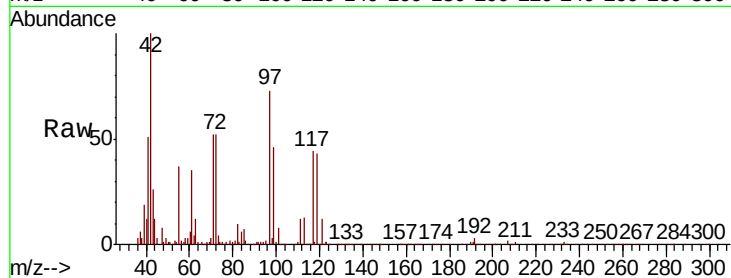




#29
Tetrahydrofuran
Concen: 220.152 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

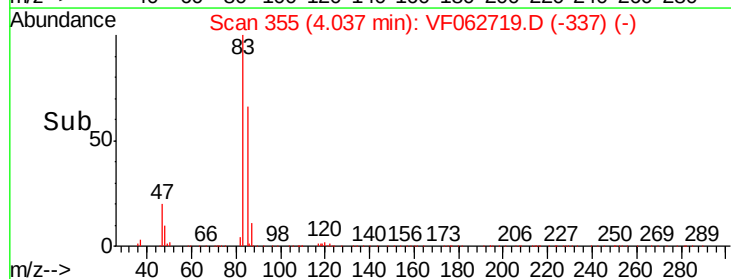
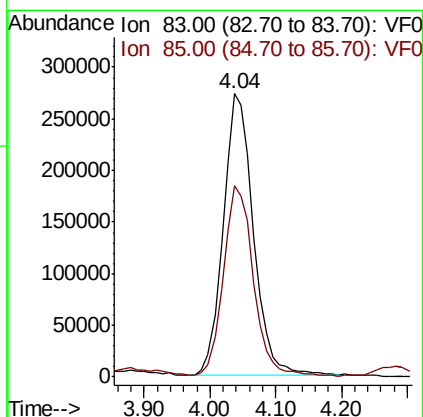
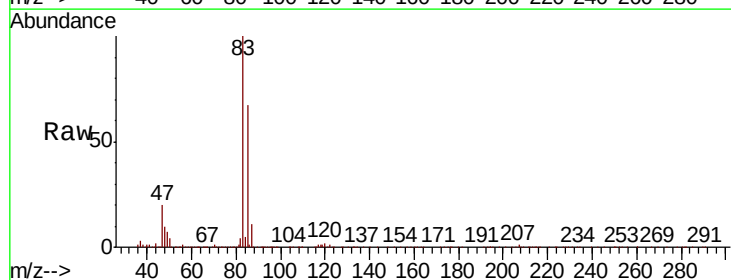
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

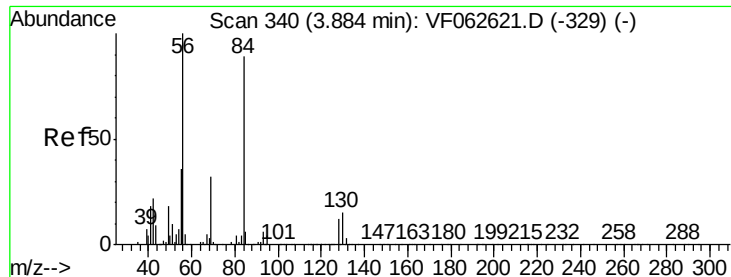
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	38.2	57.2
71	48.3	35.8	53.6



#30
Chloroform
Concen: 52.212 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.6	80.4

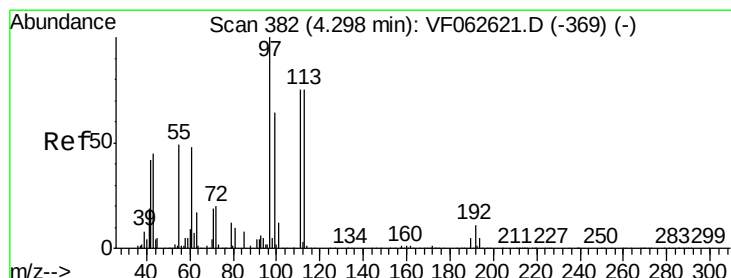
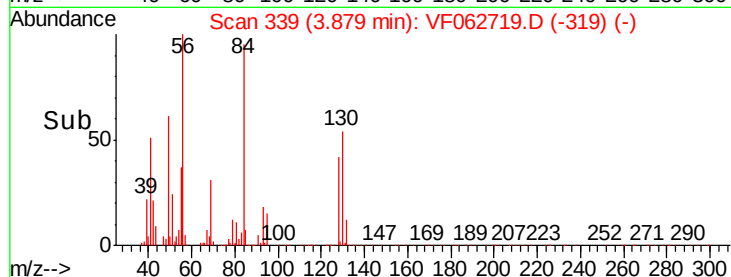
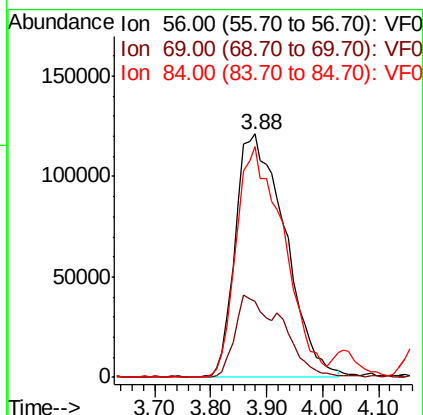
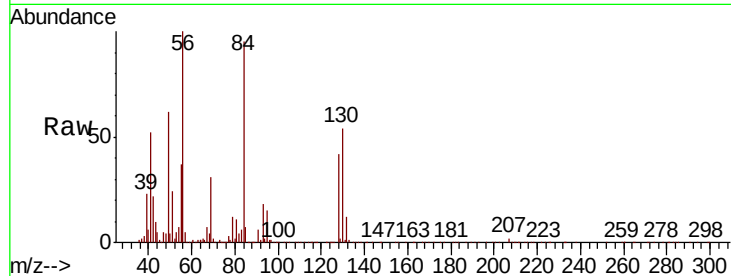




#31
Cyclohexane
Concen: 45.619 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

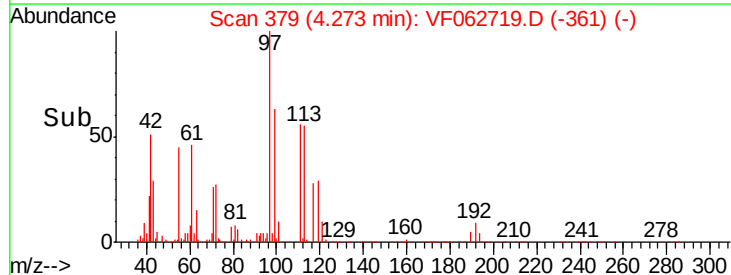
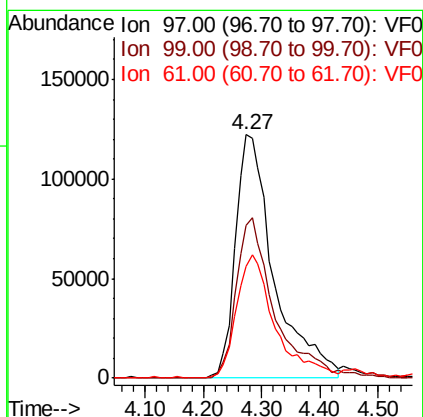
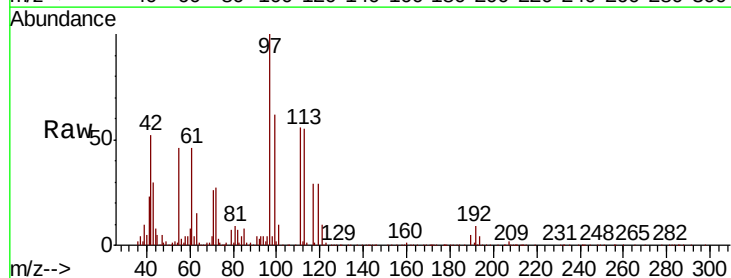
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

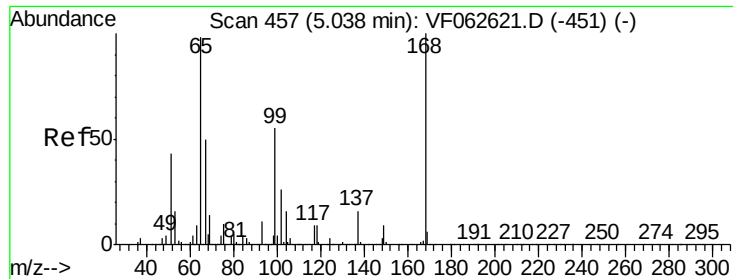
Tot Ion: 56 Resp: 741060
Ion Ratio Lower Upper
56 100
69 31.2 25.3 37.9
84 95.1 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 50.377 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 97 Resp: 561989
Ion Ratio Lower Upper
97 100
99 62.5 51.3 76.9
61 45.8 38.2 57.2

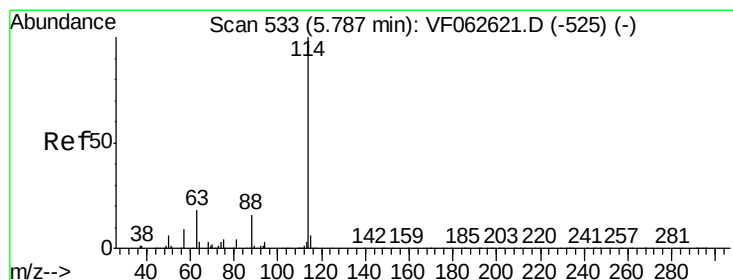
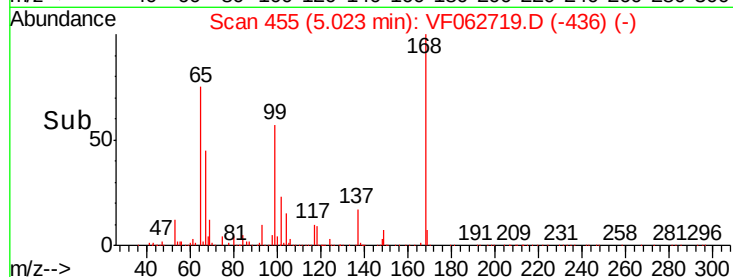
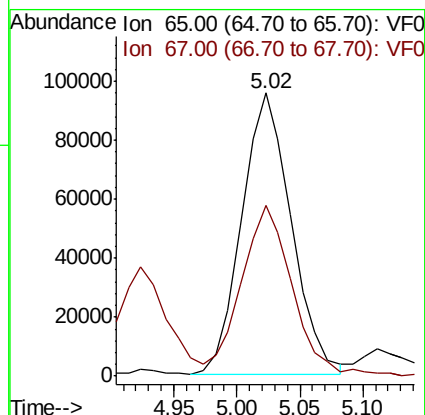
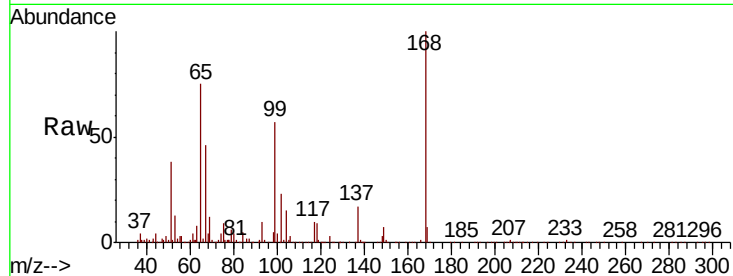




#33
 1,2-Dichloroethane-d4
 Concen: 44.840 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

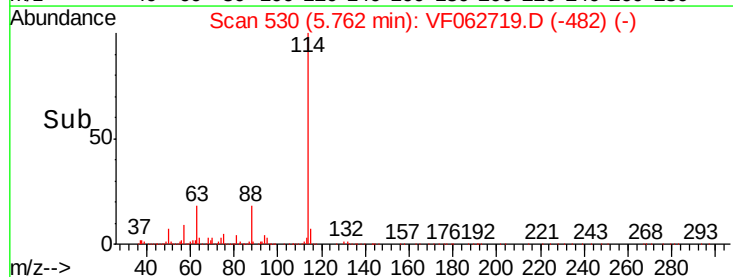
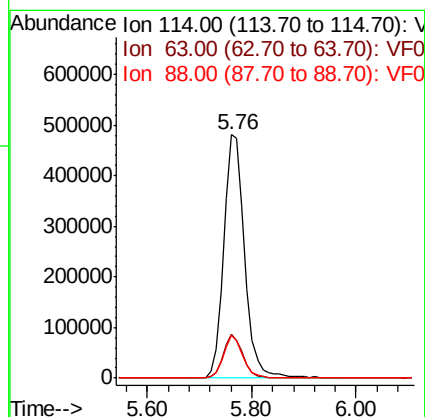
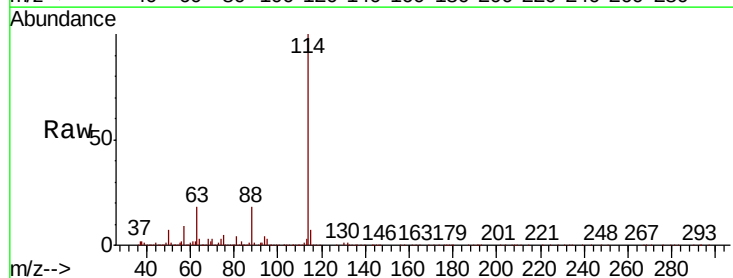
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

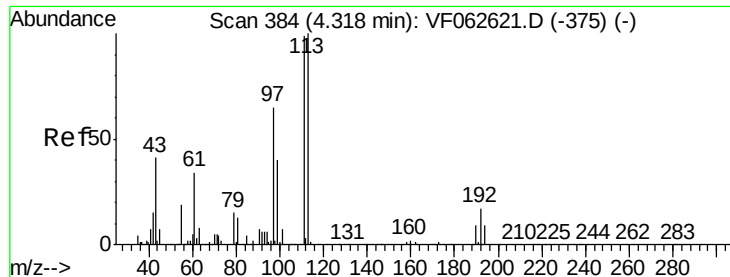
Tot Ion: 65 Resp: 260598
 Ion Ratio Lower Upper
 65 100
 67 60.5 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion: 114 Resp: 1330224
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.4
 88 17.6 0.0 32.4

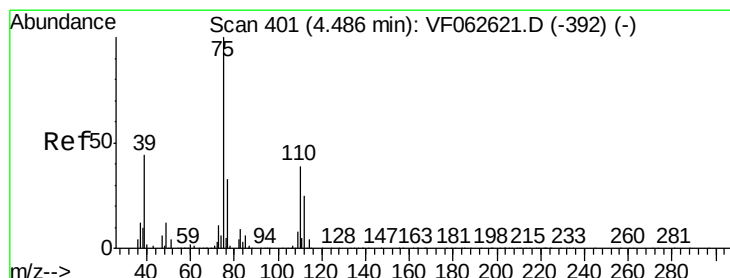
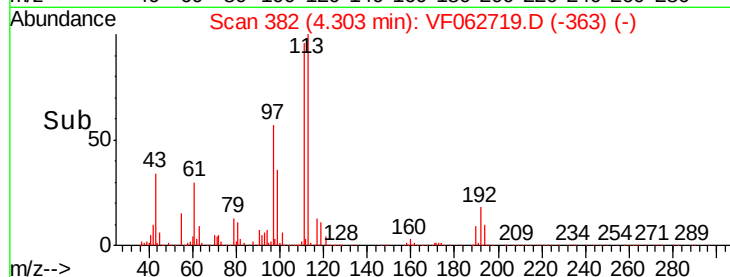
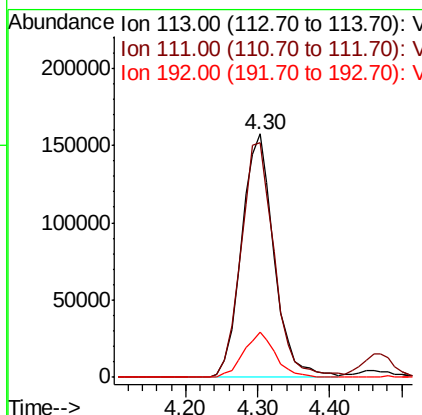
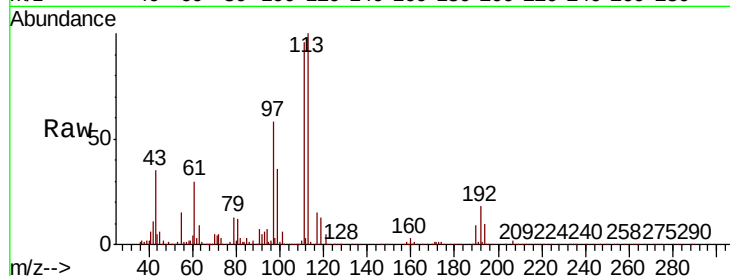




#35
 Dibromofluoromethane
 Concen: 48.423 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

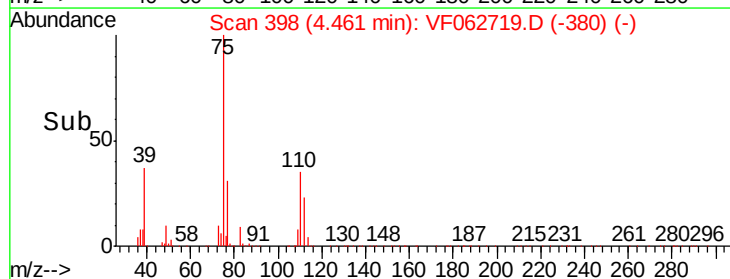
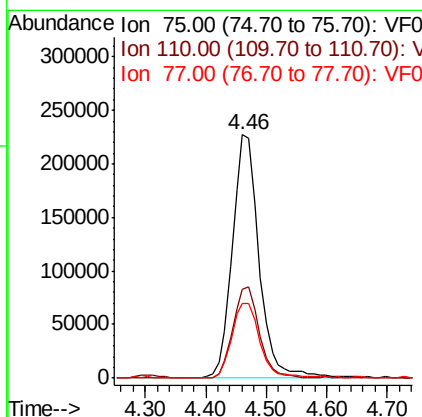
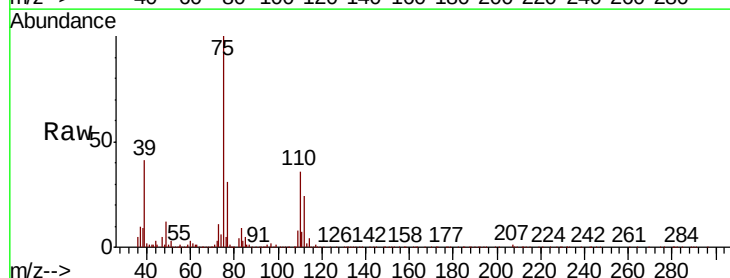
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

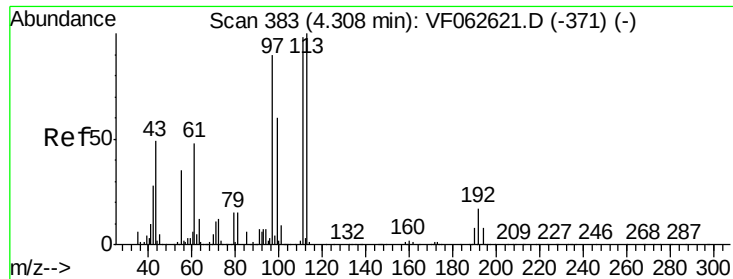
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.3	79.4	119.2
192	18.3	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 51.054 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	19.7	59.1
77	30.8	26.3	39.5

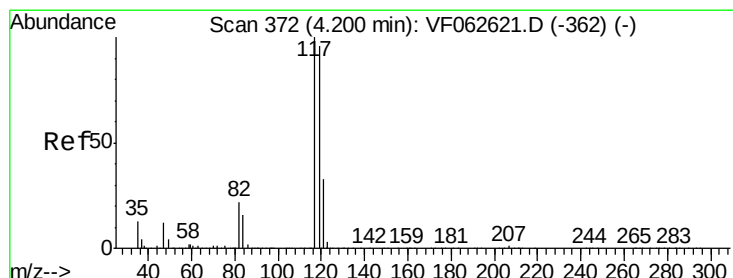
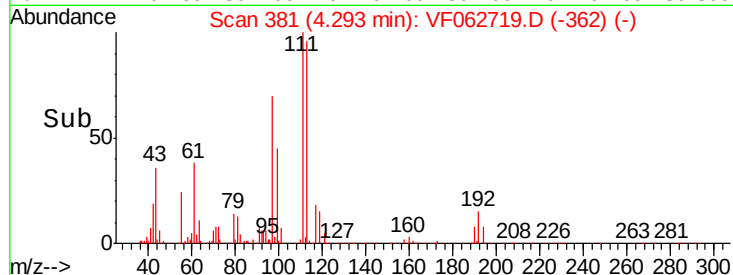
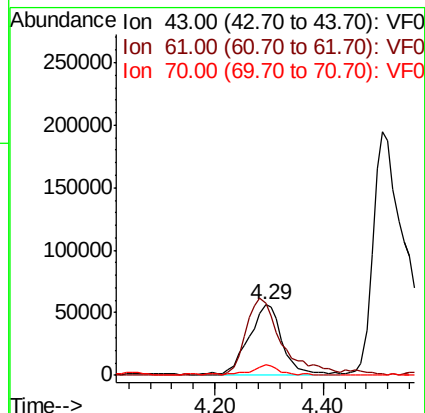
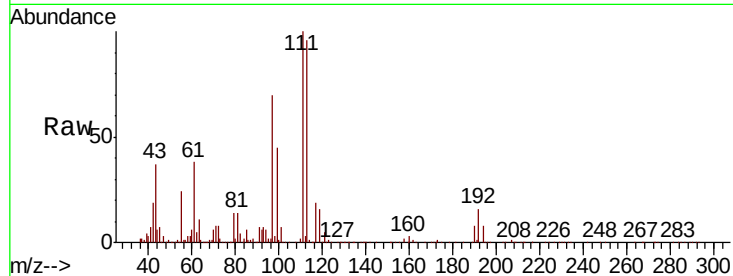




#37
Ethyl Acetate
Concen: 42.157 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

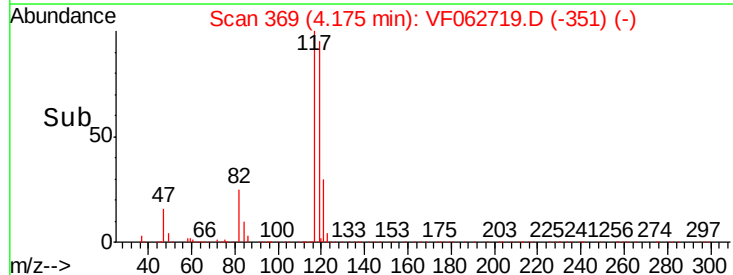
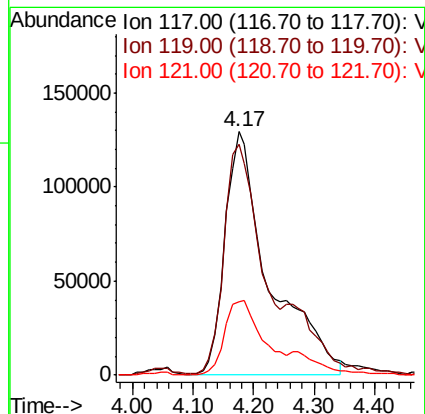
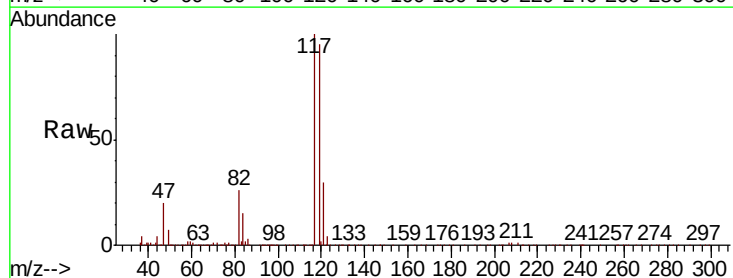
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

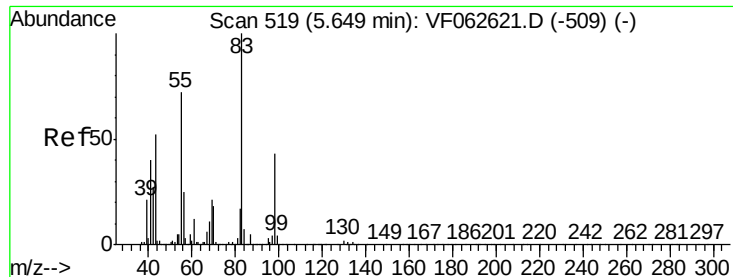
Tot Ion: 43 Resp: 234622
Ion Ratio Lower Upper
43 100
61 102.4 76.9 115.3
70 15.5 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 63.973 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 117 Resp: 655805
Ion Ratio Lower Upper
117 100
119 94.9 76.7 115.1
121 30.2 26.6 40.0

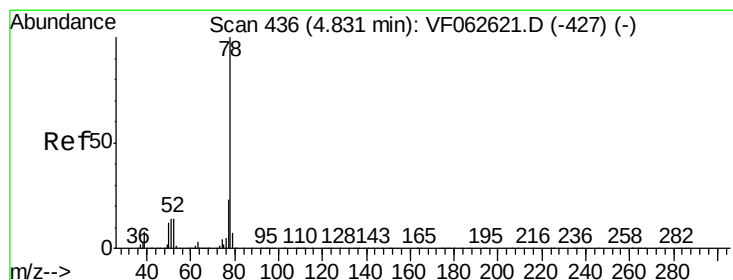
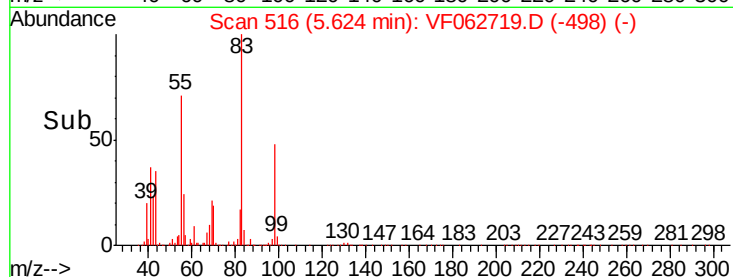
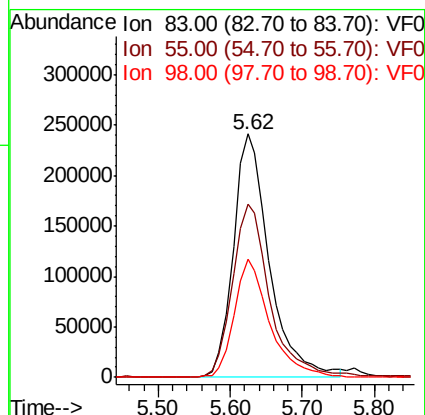
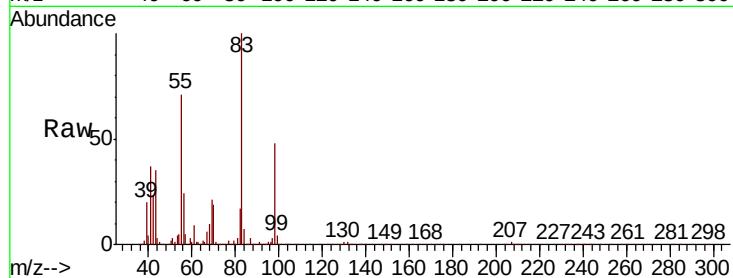




#39
Methylvlcyclohexane
Concen: 51.120 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

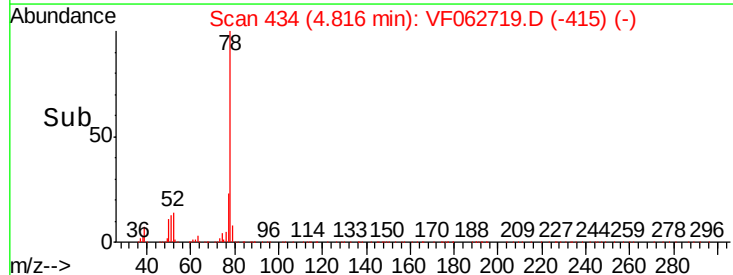
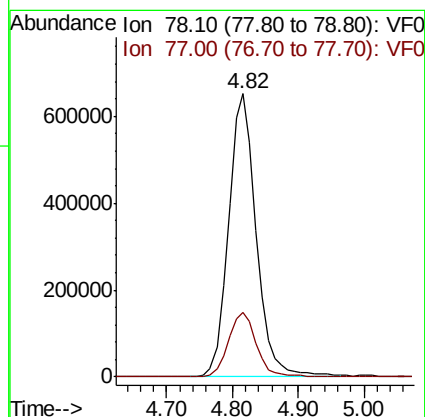
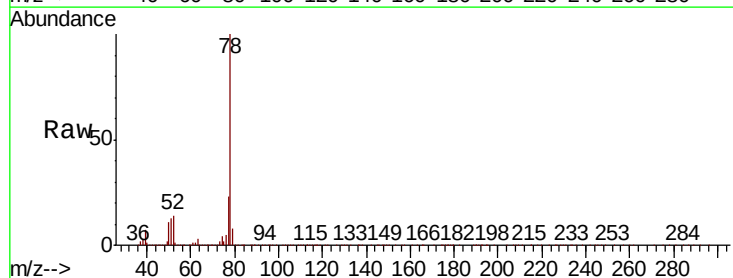
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

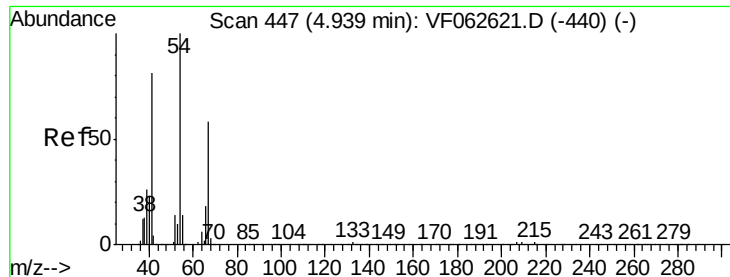
Tot Ion: 83 Resp: 838422
Ion Ratio Lower Upper
83 100
55 71.3 57.9 86.9
98 48.3 34.6 52.0



#40
Benzene
Concen: 51.470 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 78 Resp: 1911257
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.2





#41

Methacrylonitrile

Concen: 48.117 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 140397

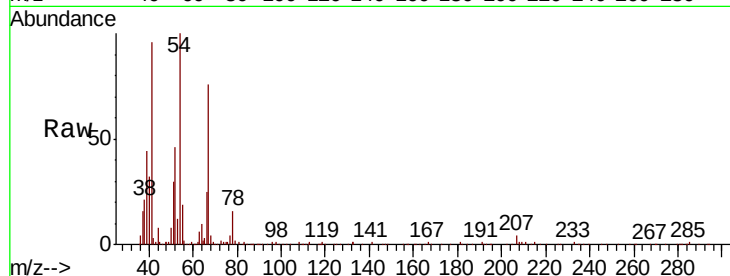
Ion Ratio Lower Upper

41 100

39 45.7 42.2 63.2

67 79.7 56.4 84.6

52 47.6 38.8 58.2

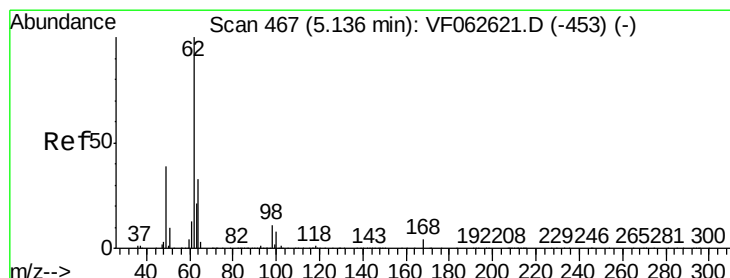
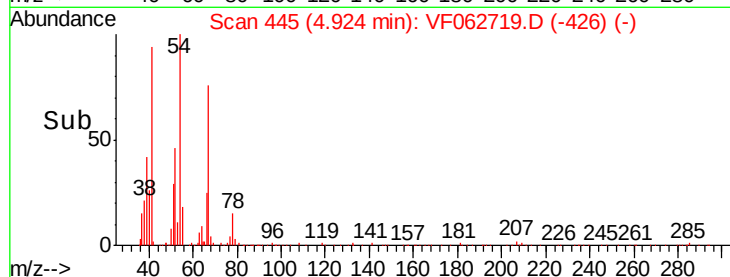
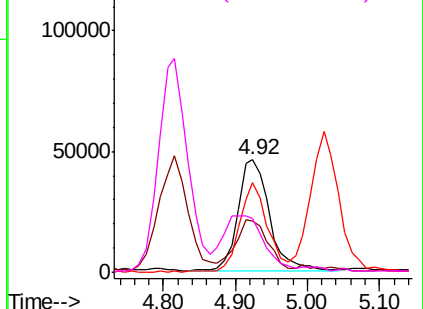


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 51.411 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.02 min

Lab File: VF062719.D

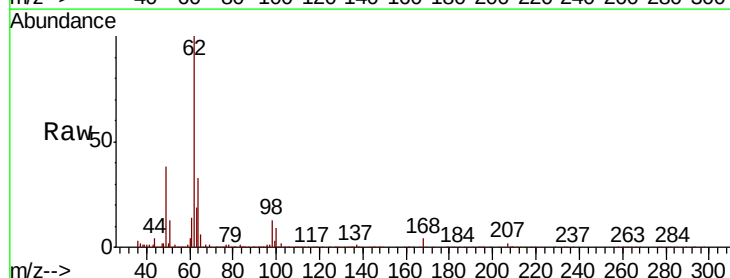
Acq: 23 May 2019 10:16

Tgt Ion: 62 Resp: 380704

Ion Ratio Lower Upper

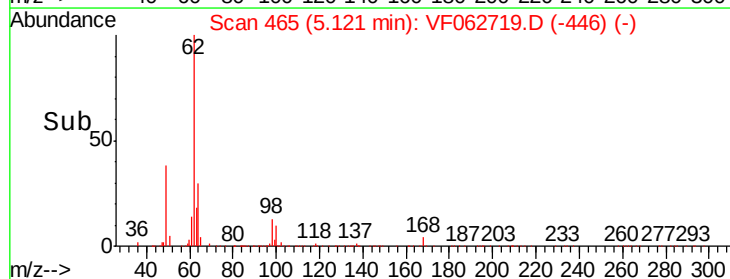
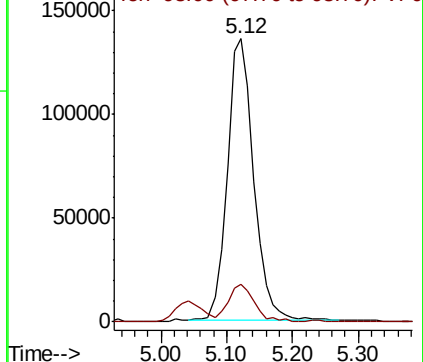
62 100

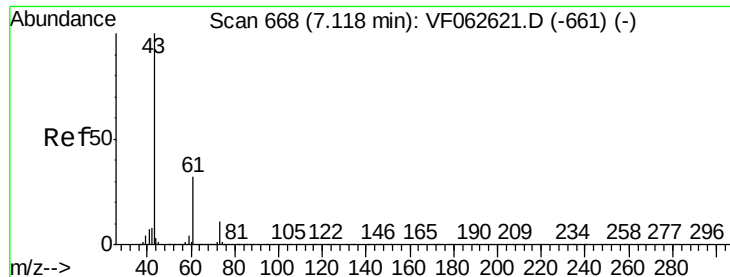
98 13.3 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 41.881 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

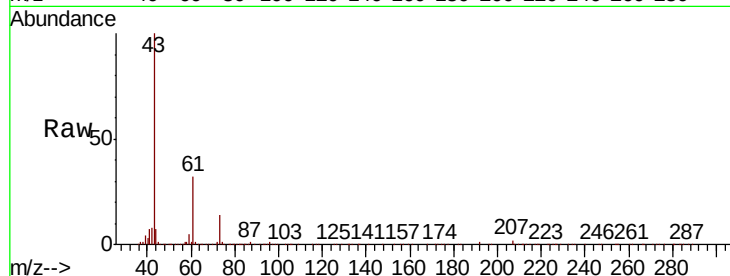
Tot Ion: 43 Resp: 301969

Ion Ratio Lower Upper

43 100

61 32.3 25.8 38.8

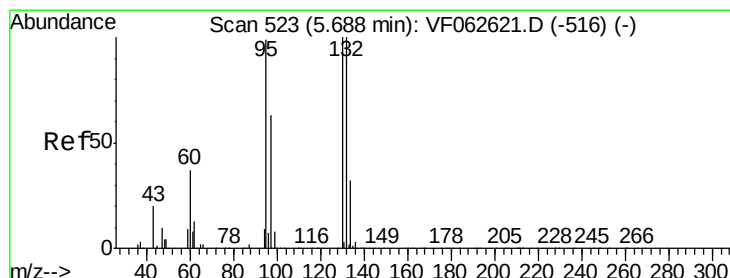
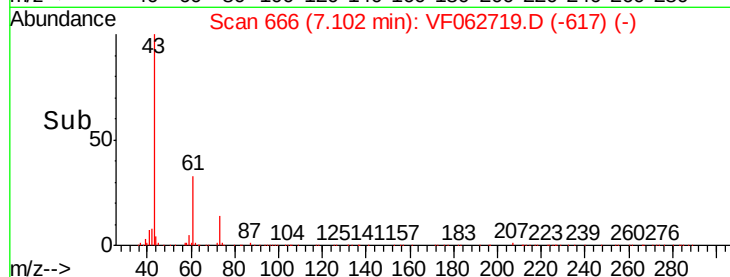
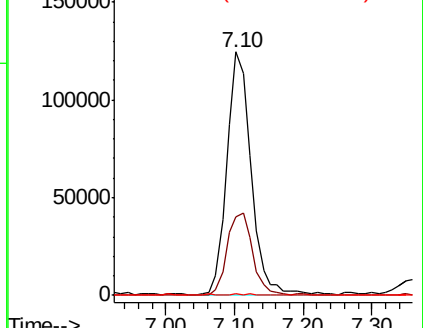
87 0.6 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 52.292 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF062719.D

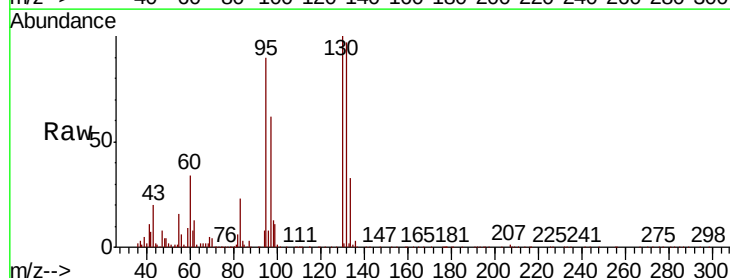
Acq: 23 May 2019 10:16

Tgt Ion: 130 Resp: 545750

Ion Ratio Lower Upper

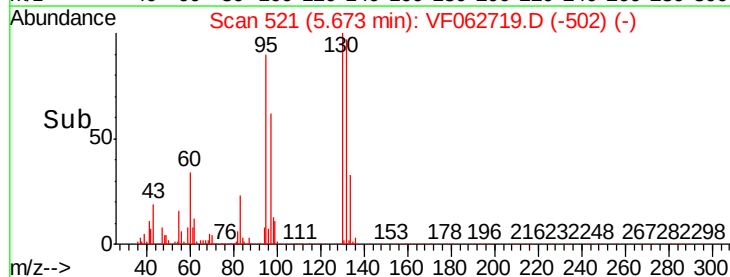
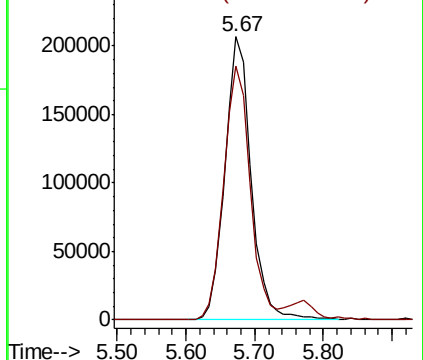
130 100

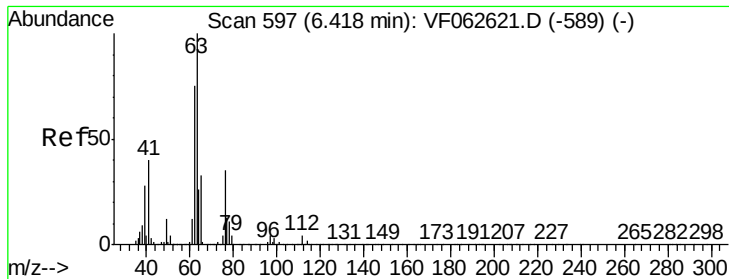
95 89.8 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.561 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

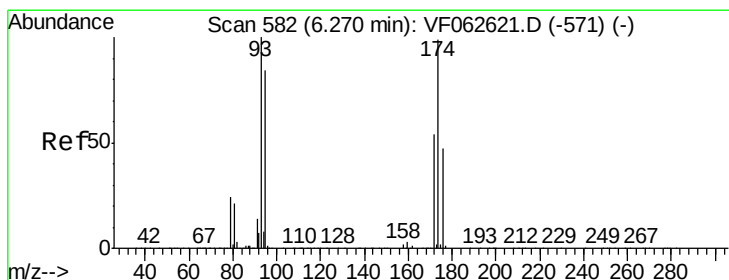
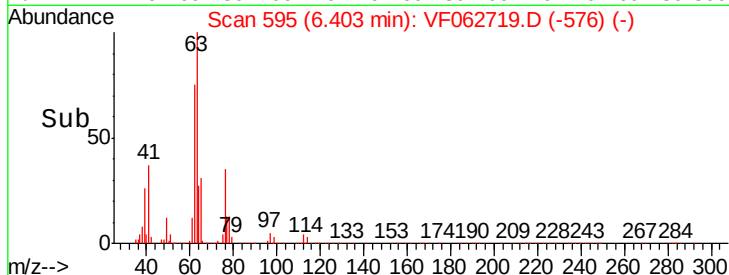
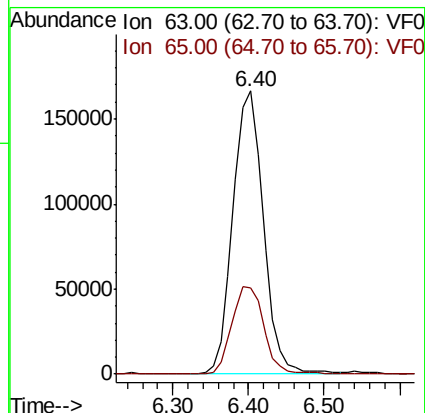
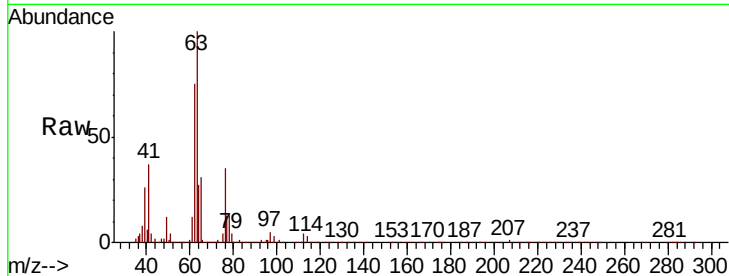
VSTDCCC050

Tot Ion: 63 Resp: 464579

Ion Ratio Lower Upper

63 100

65 30.6 26.3 39.5



#46

Dibromomethane

Concen: 50.900 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

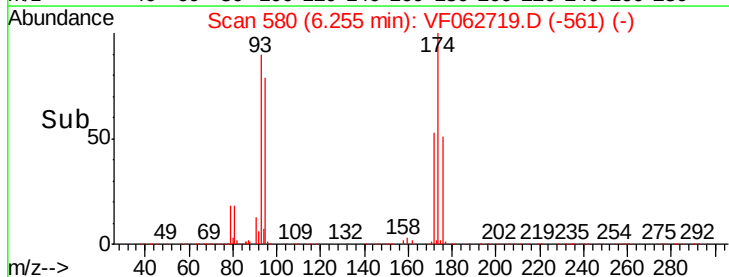
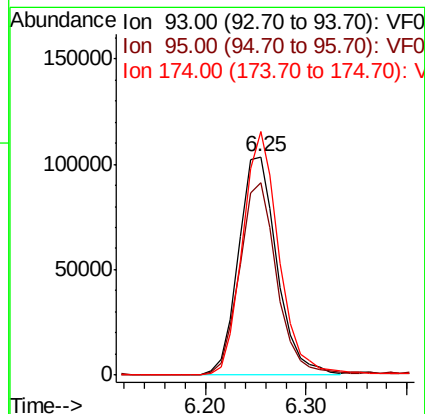
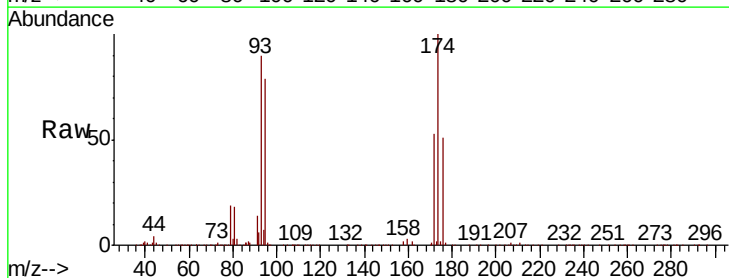
Tgt Ion: 93 Resp: 275746

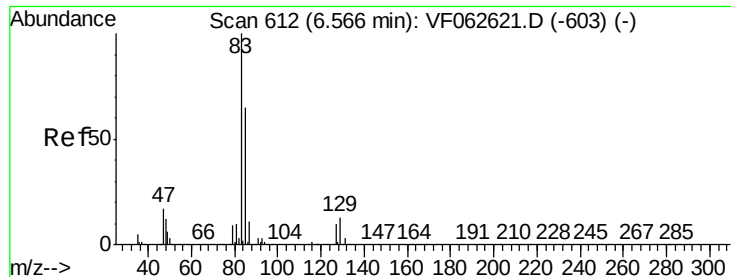
Ion Ratio Lower Upper

93 100

95 87.9 67.4 101.2

174 111.4 79.4 119.2





#47

Bromodichloromethane

Concen: 52.931 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

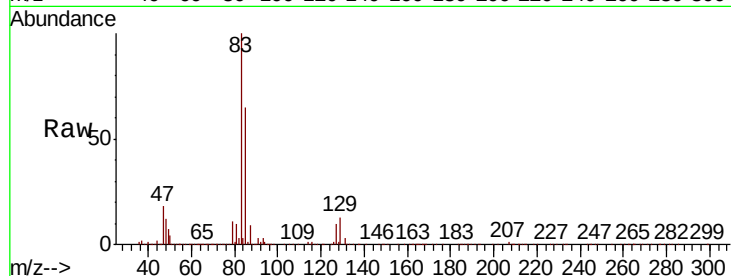
Tot Ion: 83 Resp: 595290

Ion Ratio Lower Upper

83 100

85 64.6 52.0 78.0

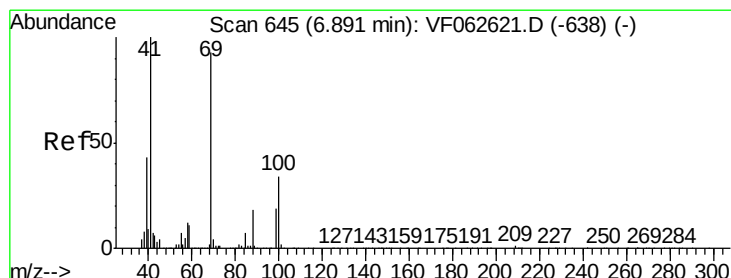
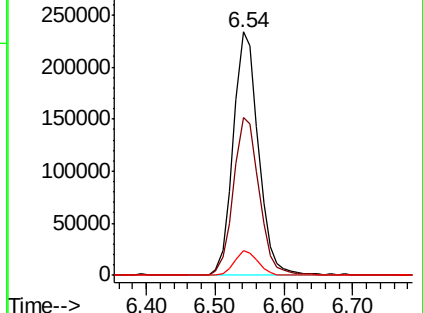
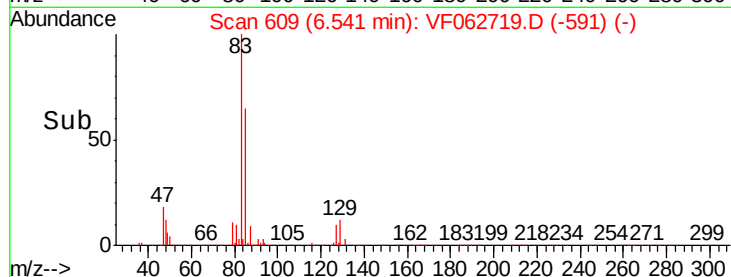
127 9.9 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 41.155 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

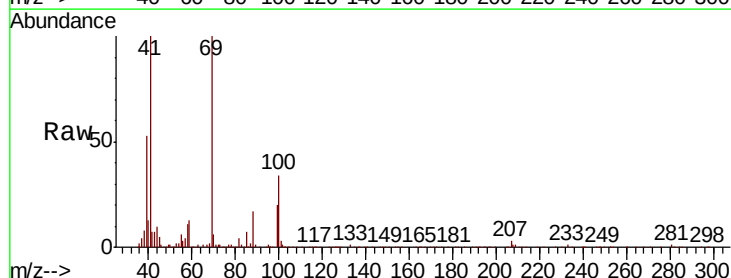
Tgt Ion: 41 Resp: 155099

Ion Ratio Lower Upper

41 100

69 100.5 74.2 111.2

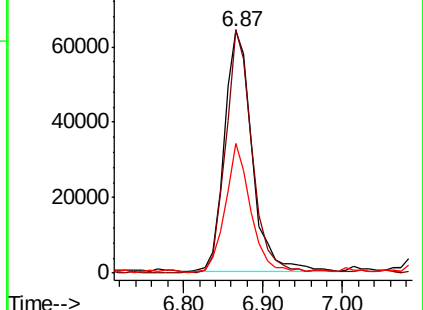
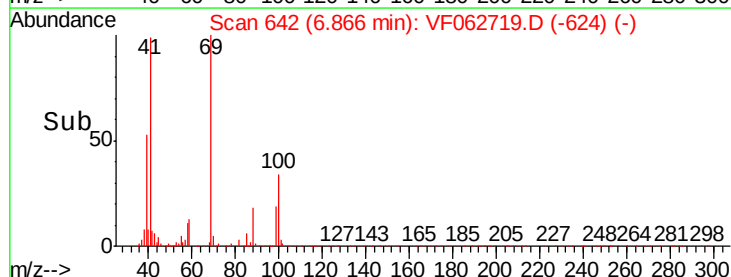
39 53.7 34.2 51.4#

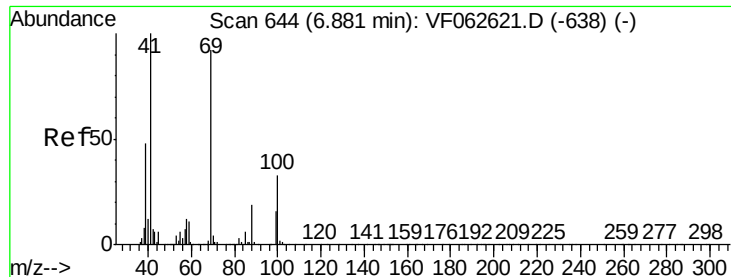


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

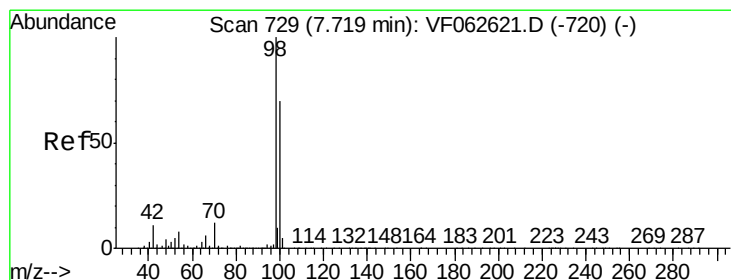
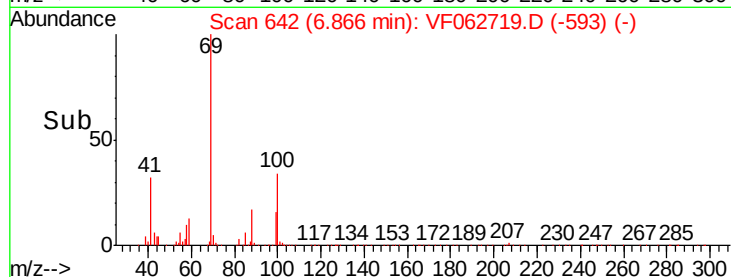
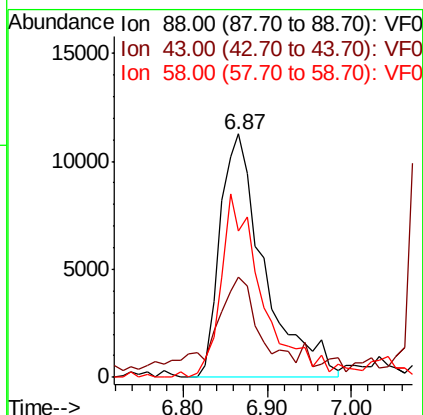
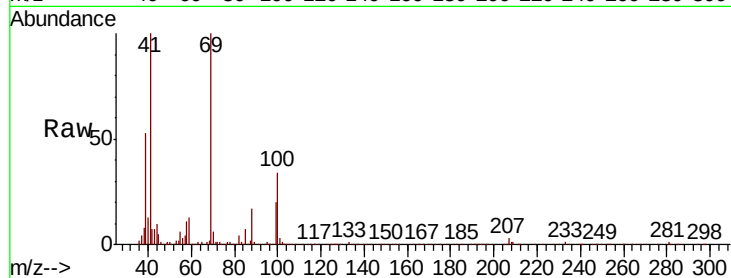




#49
1,4-Dioxane
Concen: 854.569 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

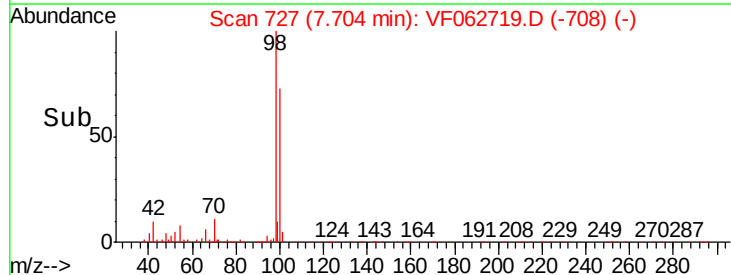
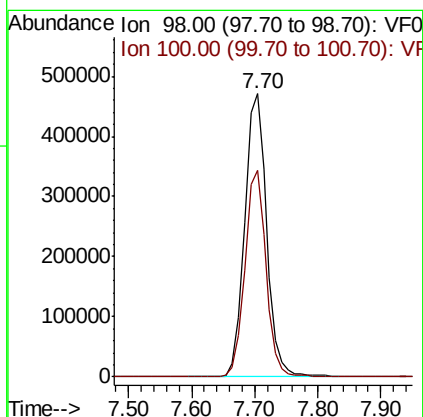
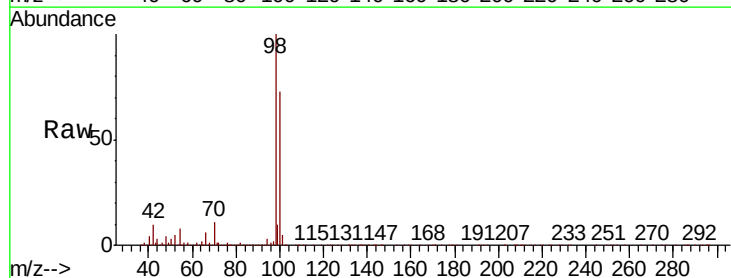
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

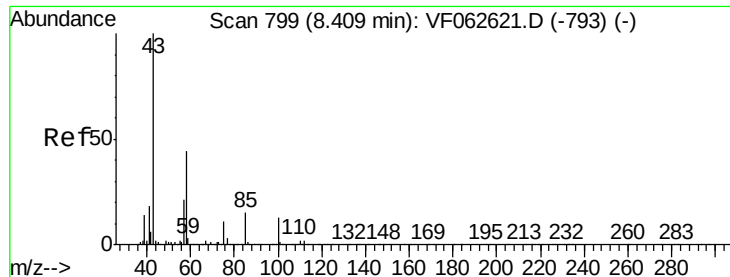
Tot Ion: 88 Resp: 41249
Ion Ratio Lower Upper
88 100
43 41.3 30.0 45.0
58 60.2 51.1 76.7



#50
Toluene-d8
Concen: 46.696 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 98 Resp: 1134873
Ion Ratio Lower Upper
98 100
100 73.1 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 223.844 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

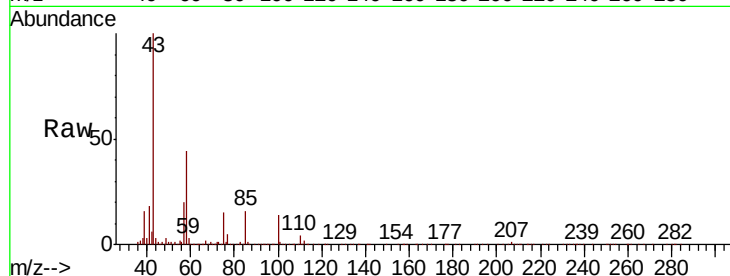
VSTDCCC050

Tot Ion: 43 Resp: 1103208

Ion Ratio Lower Upper

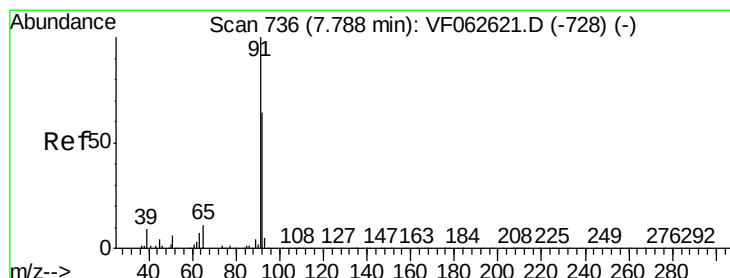
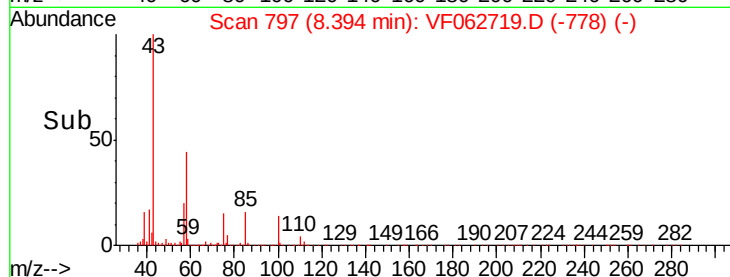
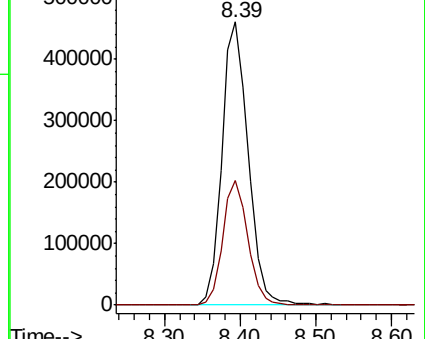
43 100

58 44.1 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.984 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062719.D

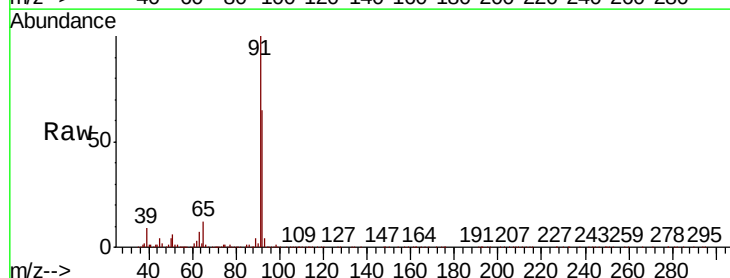
Acq: 23 May 2019 10:16

Tgt Ion: 92 Resp: 1031835

Ion Ratio Lower Upper

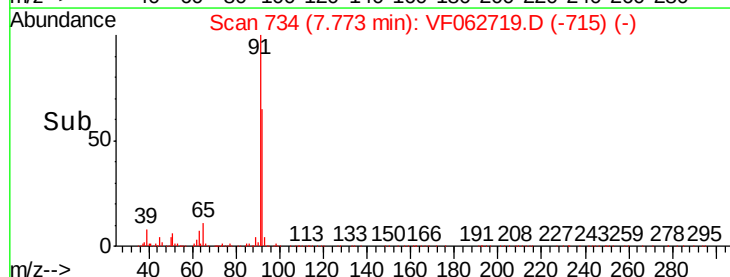
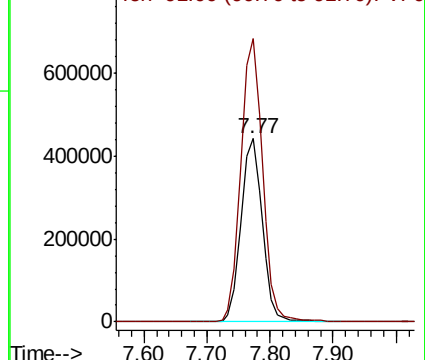
92 100

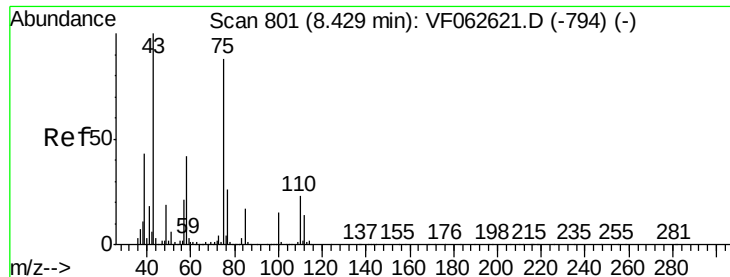
91 154.5 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.729 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

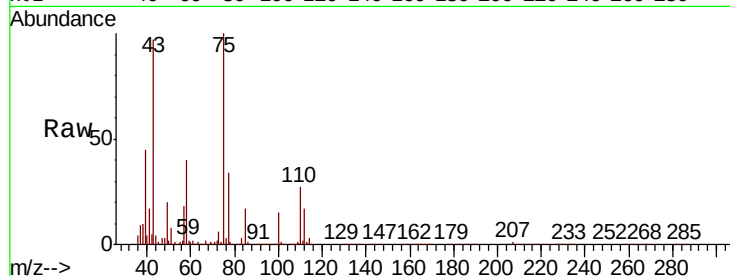
VSTDCCC050

Tot Ion: 75 Resp: 466758

Ion Ratio Lower Upper

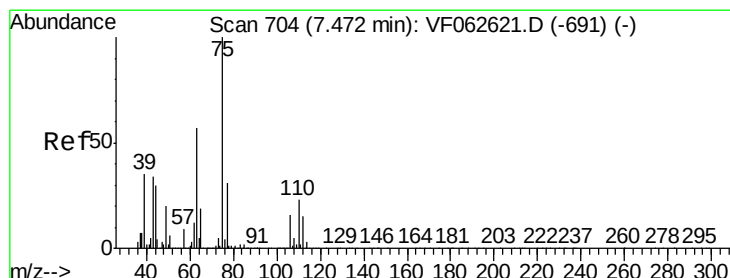
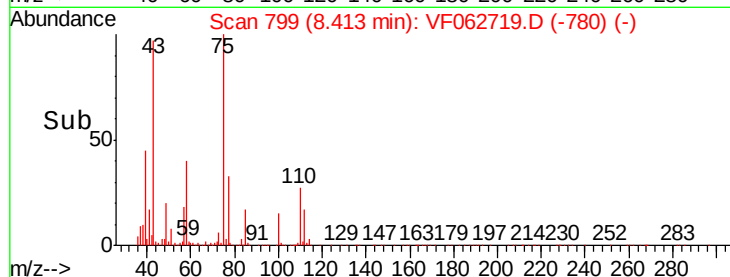
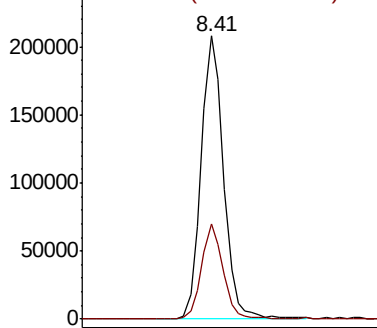
75 100

77 33.6 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 51.706 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

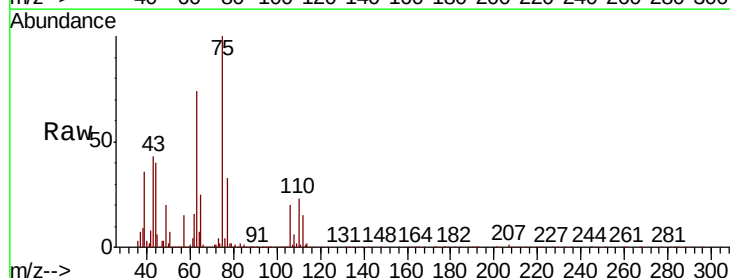
Tgt Ion: 75 Resp: 665973

Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

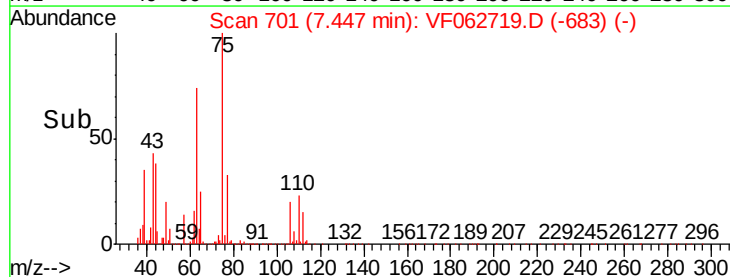
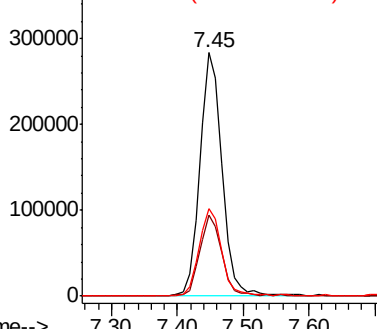
39 35.7 28.2 42.2

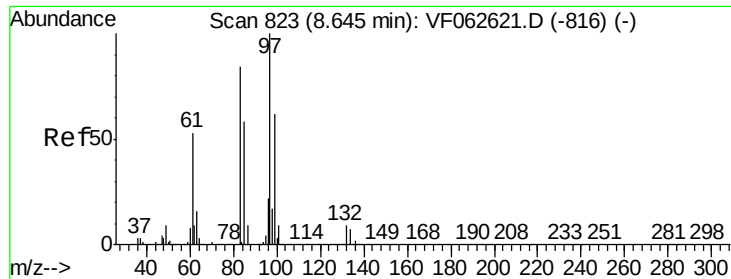


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 51.433 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 296574

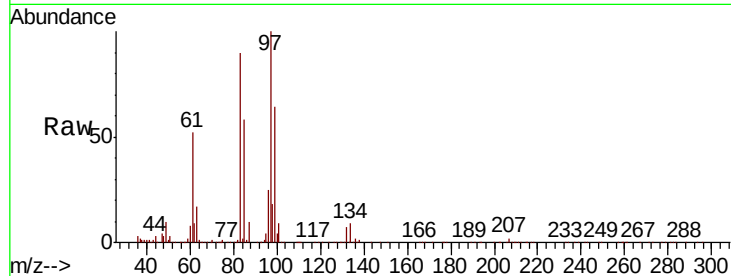
Ion Ratio Lower Upper

97 100

83 89.8 67.3 100.9

85 57.6 46.6 69.8

99 64.3 49.7 74.5

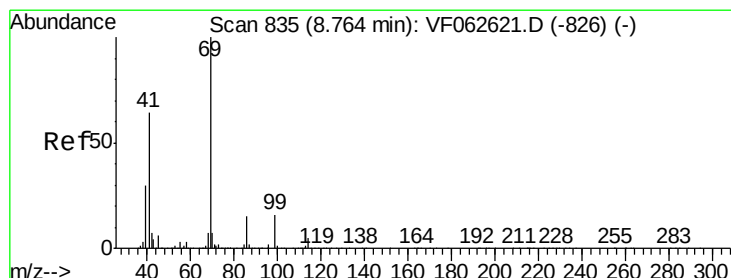
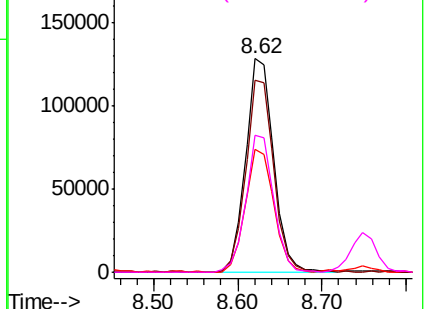
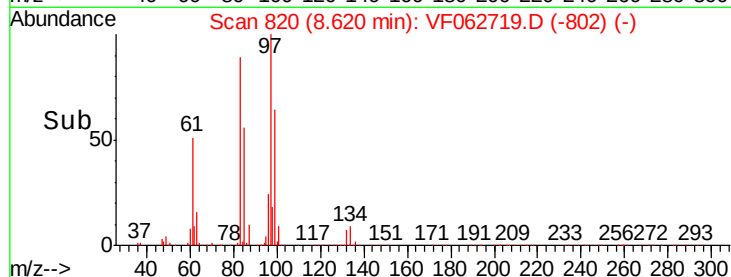


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 44.365 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

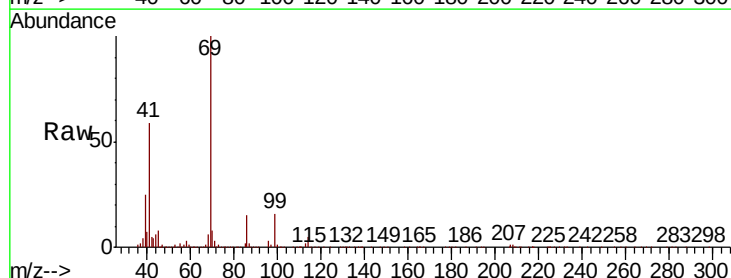
Tgt Ion: 69 Resp: 304774

Ion Ratio Lower Upper

69 100

41 59.0 51.4 77.2

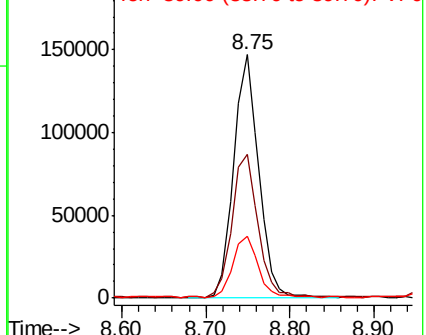
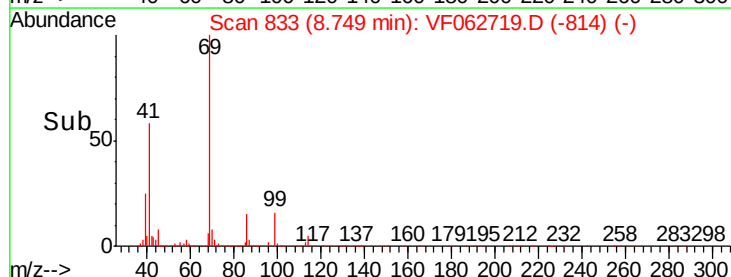
39 25.4 23.6 35.4

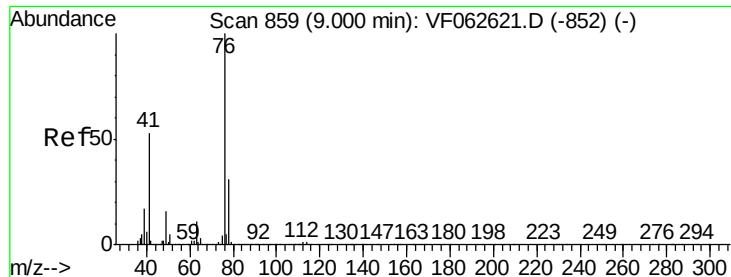


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

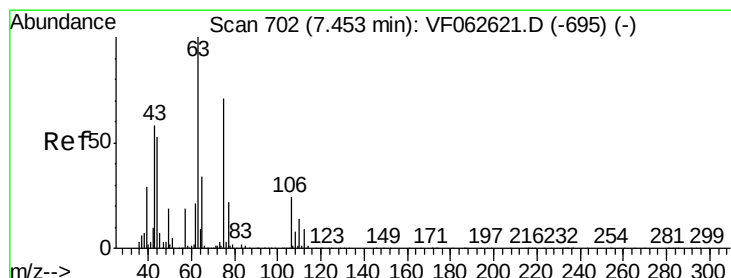
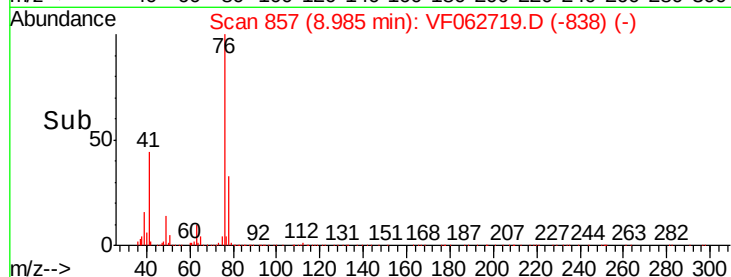
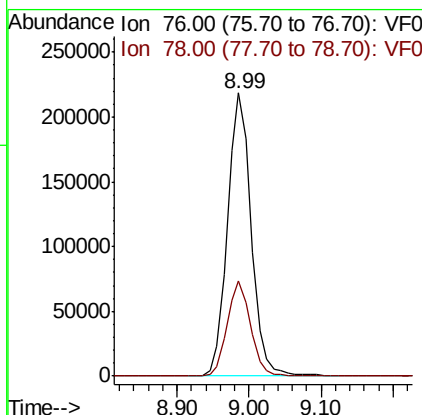
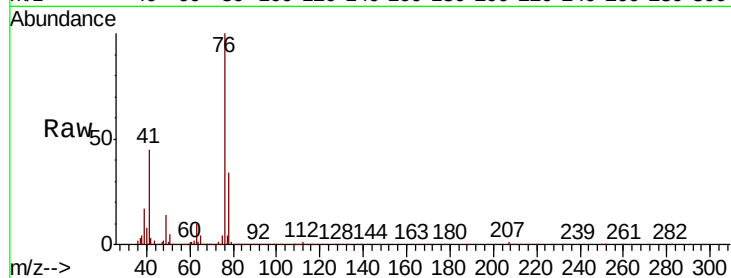




#57
 1,3-Dichloropropane
 Concen: 50.825 ug/l
 RT: 8.99 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

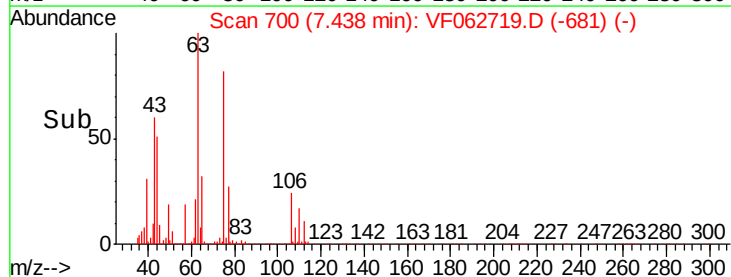
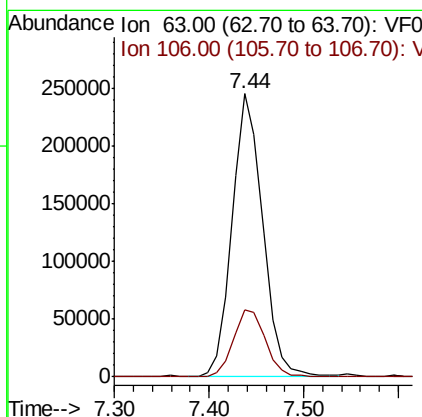
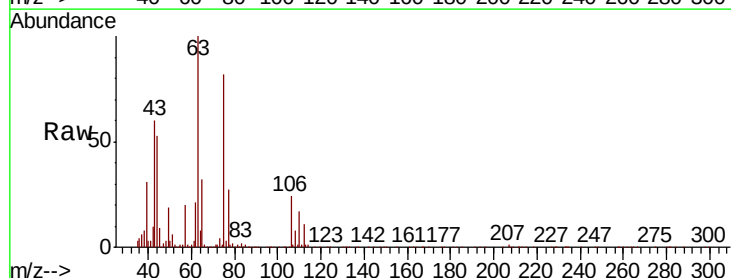
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

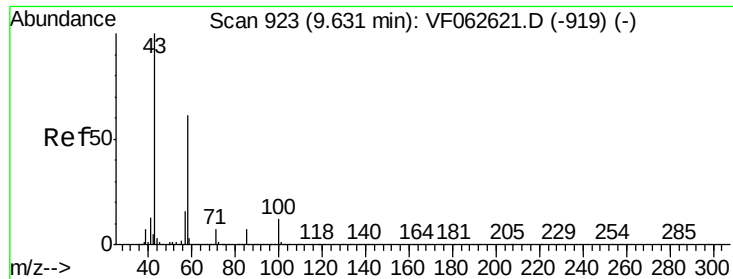
Tot Ion: 76 Resp: 499181
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.755 ug/l
 RT: 7.44 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion: 63 Resp: 547291
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.1 28.7

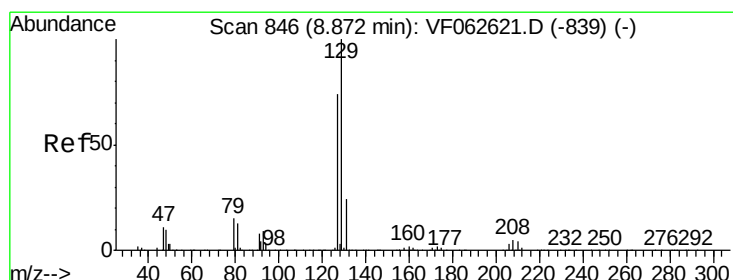
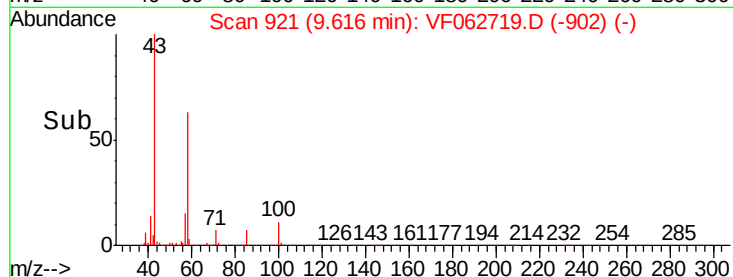
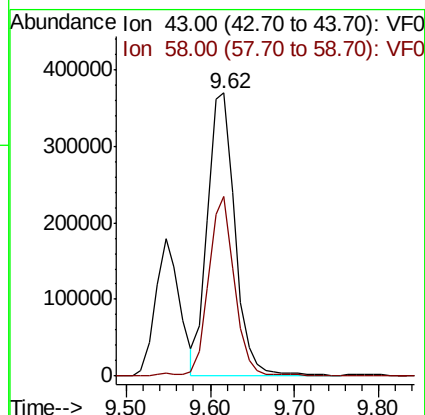
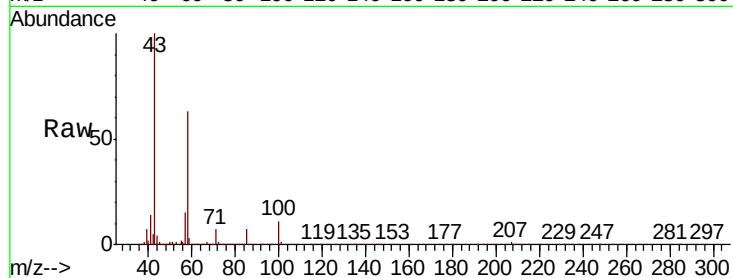




#59
2-Hexanone
Concen: 259.899 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

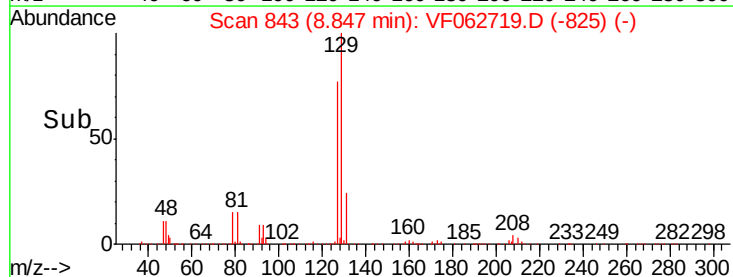
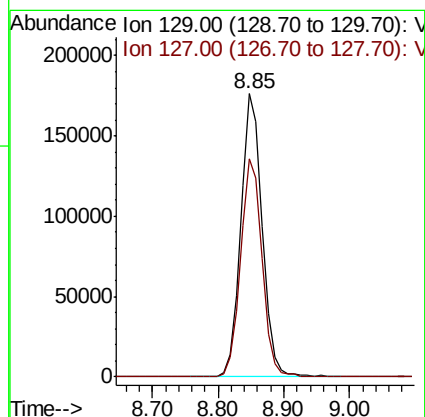
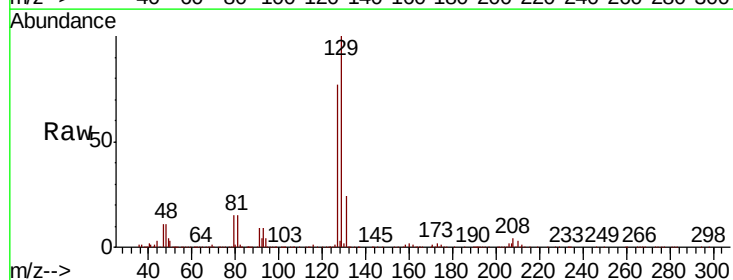
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

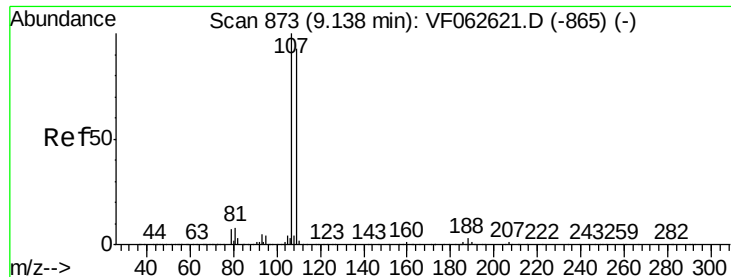
Tot Ion: 43 Resp: 831108
Ion Ratio Lower Upper
43 100
58 63.3 28.1 84.4



#60
Dibromochloromethane
Concen: 53.396 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 129 Resp: 401282
Ion Ratio Lower Upper
129 100
127 77.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 51.862 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

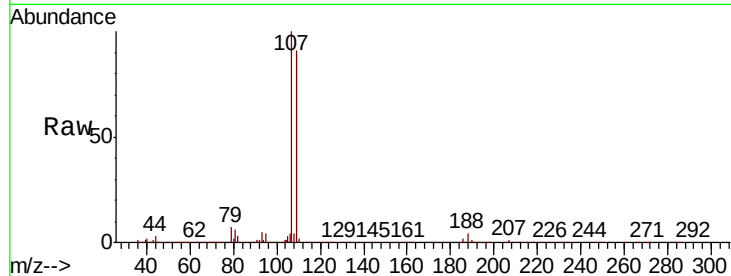
VSTDCCC050

Tot Ion:107 Resp: 317633

Ion Ratio Lower Upper

107 100

109 91.4 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

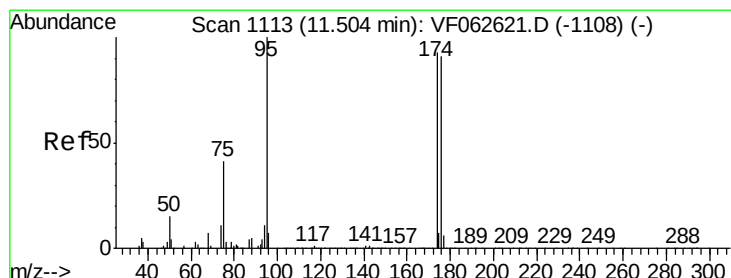
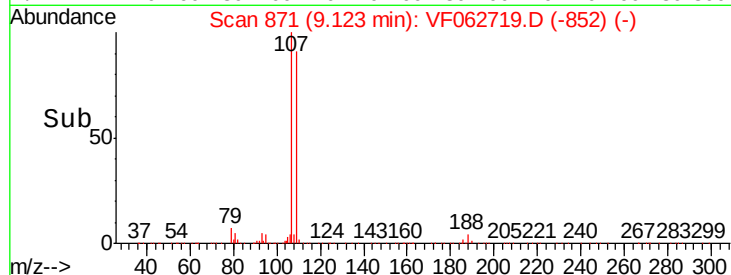
50000

0

9.12

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 41.159 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

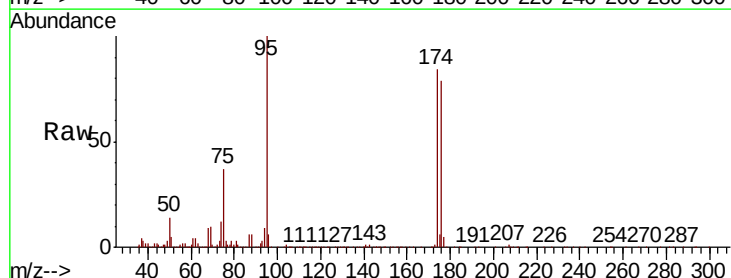
Tgt Ion: 95 Resp: 379382

Ion Ratio Lower Upper

95 100

174 83.7 0.0 185.6

176 79.3 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

200000

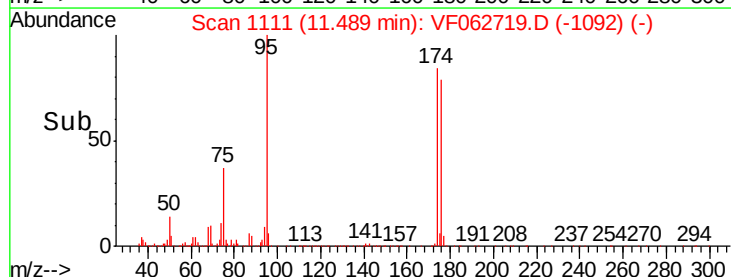
100000

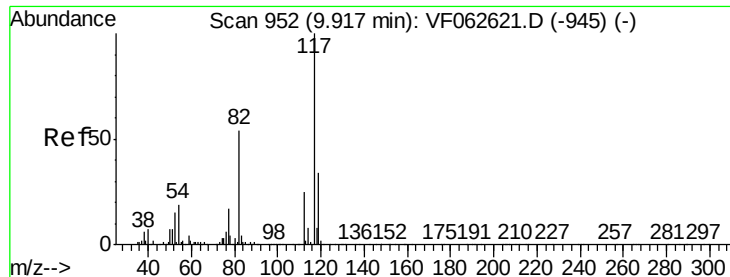
0

11.49

11.40 11.50

Time-->

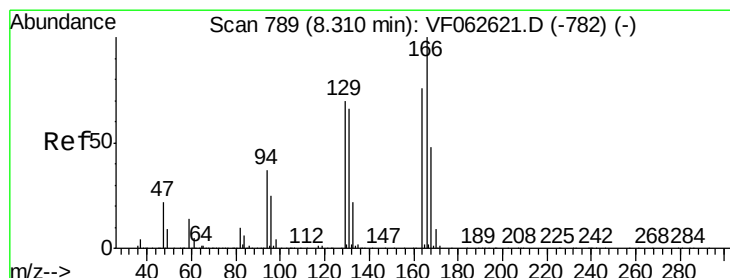
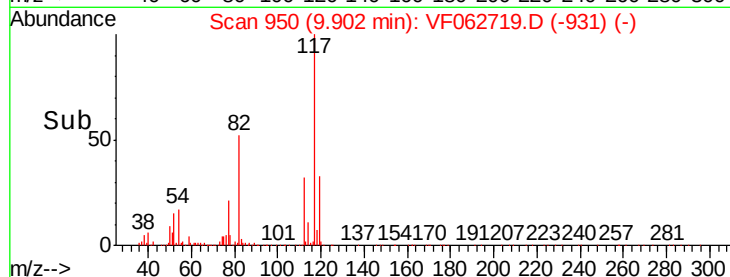
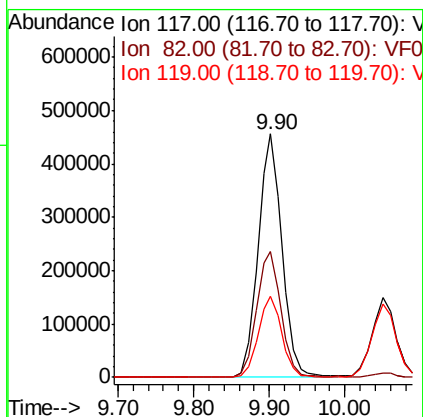
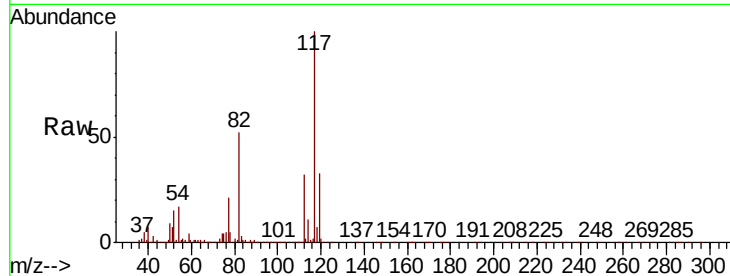




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

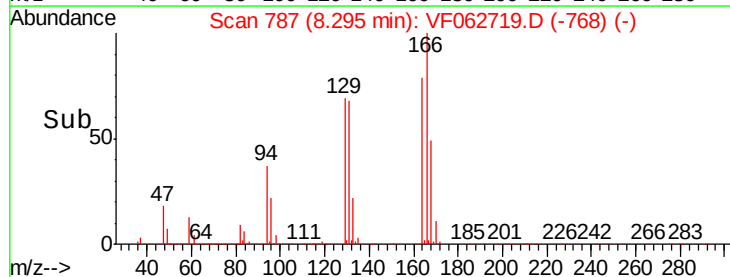
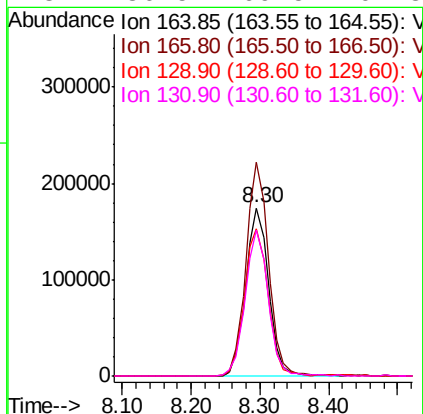
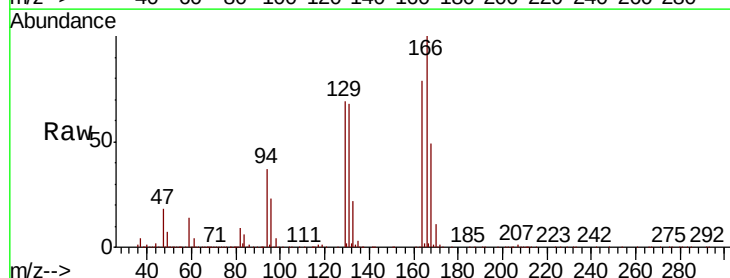
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

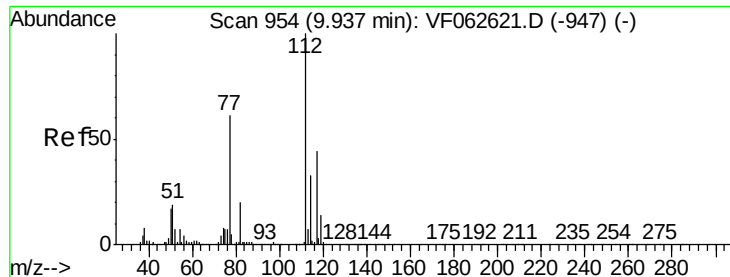
Tot Ion:117 Resp: 1002658
Ion Ratio Lower Upper
117 100
82 51.9 43.3 64.9
119 33.1 27.4 41.0



#64
Tetrachloroethene
Concen: 50.920 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion:164 Resp: 404471
Ion Ratio Lower Upper
164 100
166 127.0 105.5 158.3
129 87.6 73.8 110.6
131 86.5 69.5 104.3





#65

Chlorobenzene

Concen: 52.313 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

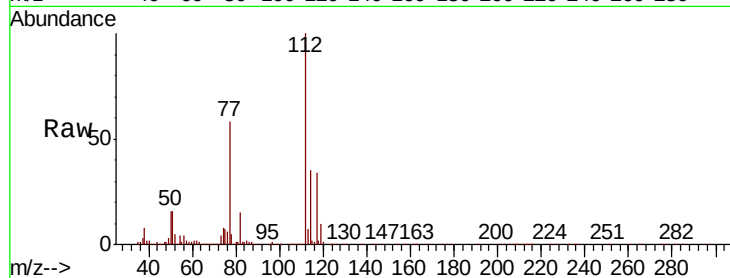
VSTDCCC050

Tot Ion:112 Resp: 1030209

Ion Ratio Lower Upper

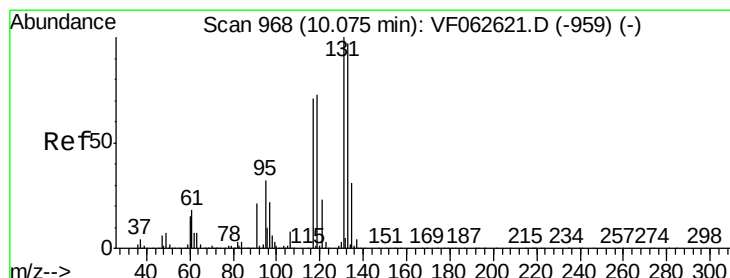
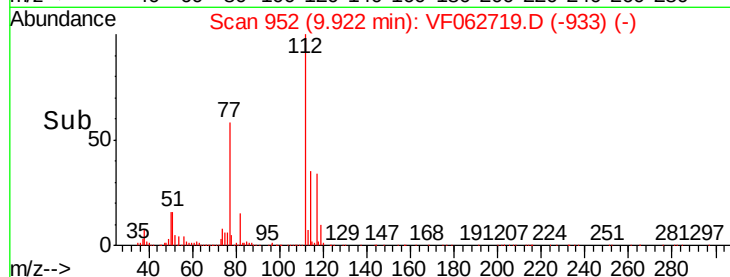
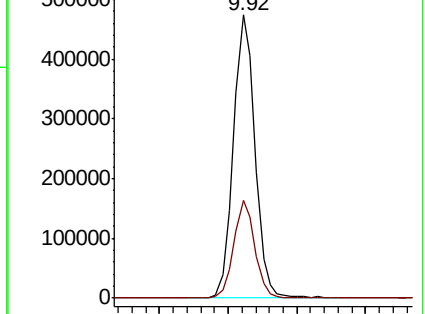
112 100

114 34.6 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.453 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

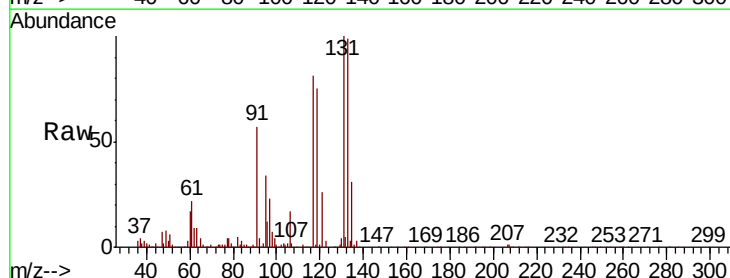
Tgt Ion:131 Resp: 422590

Ion Ratio Lower Upper

131 100

133 98.6 48.5 145.5

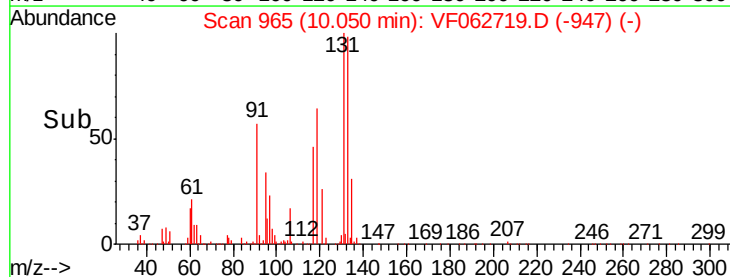
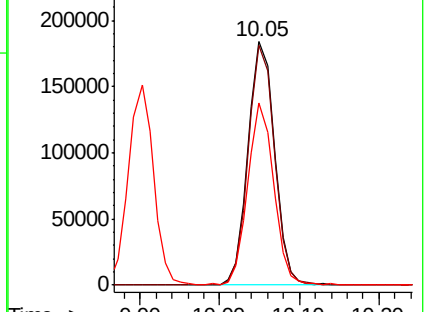
119 74.8 36.8 110.4

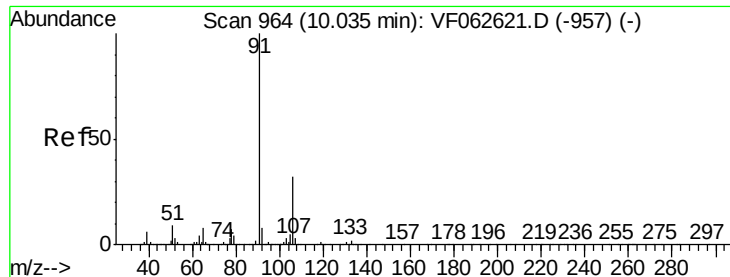


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

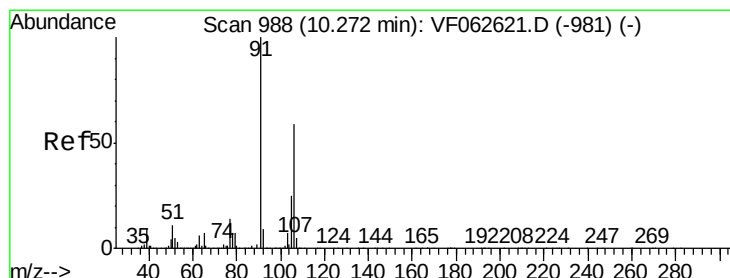
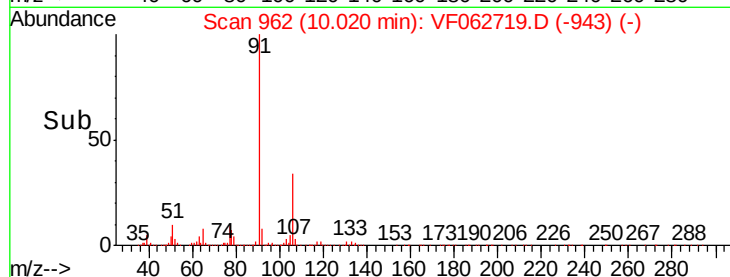
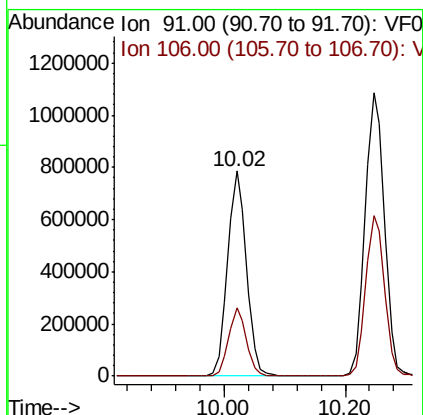
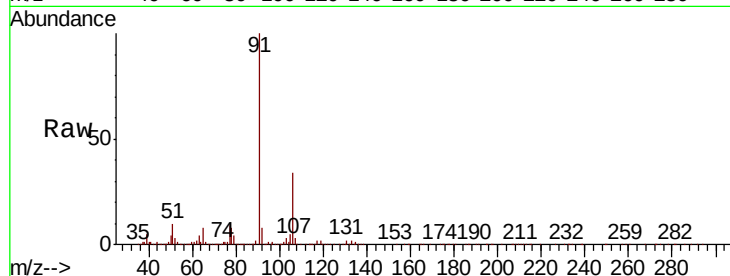




#67
Ethyl Benzene
Concen: 49.933 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

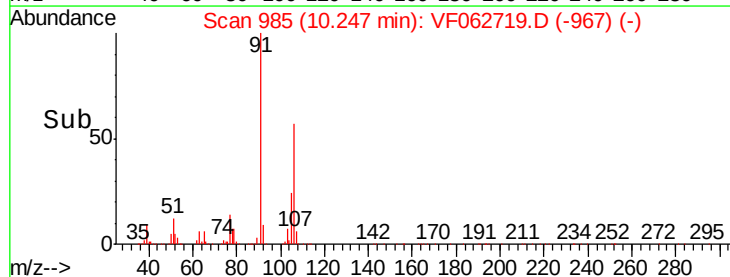
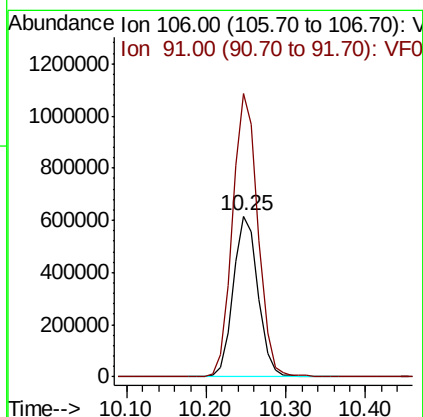
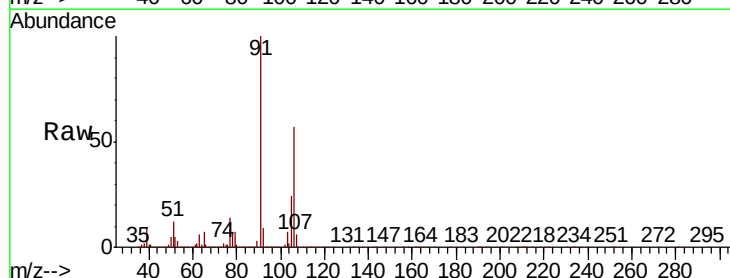
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

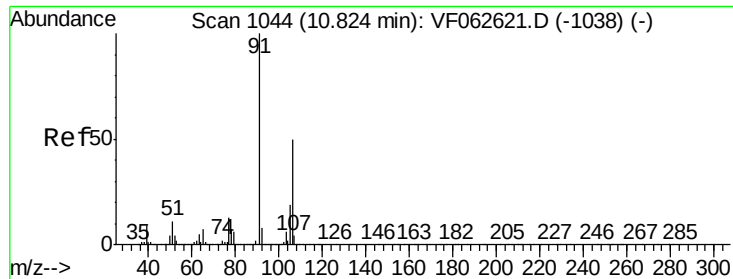
Tot Ion: 91 Resp: 1708281
Ion Ratio Lower Upper
91 100
106 33.6 25.8 38.8



#68
m/p-Xylenes
Concen: 103.585 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 106 Resp: 1331908
Ion Ratio Lower Upper
106 100
91 175.7 136.9 205.3

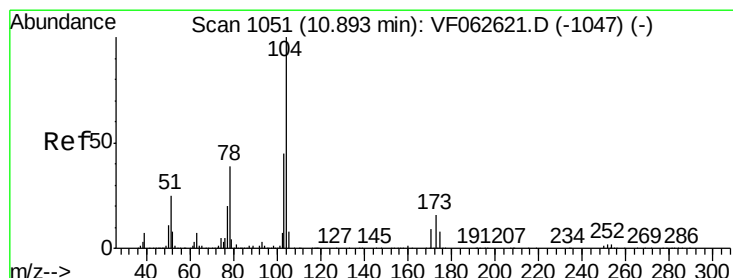
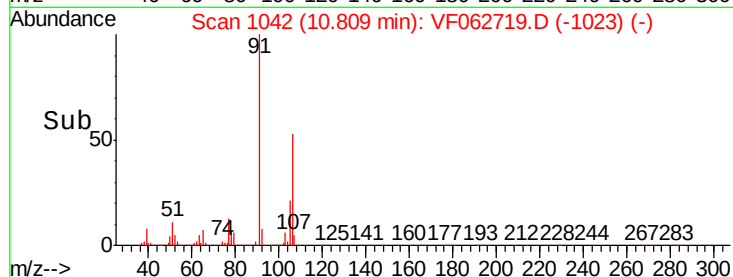
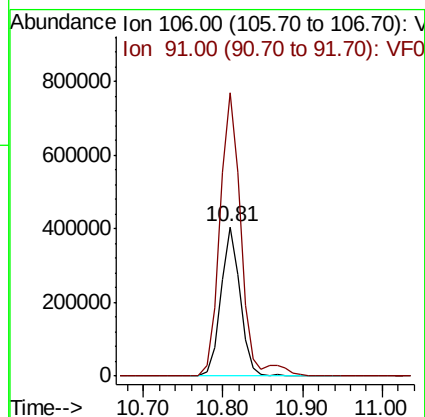
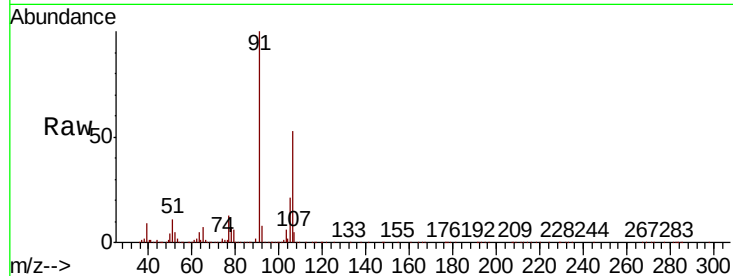




#69
o-Xylene
Concen: 52.415 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

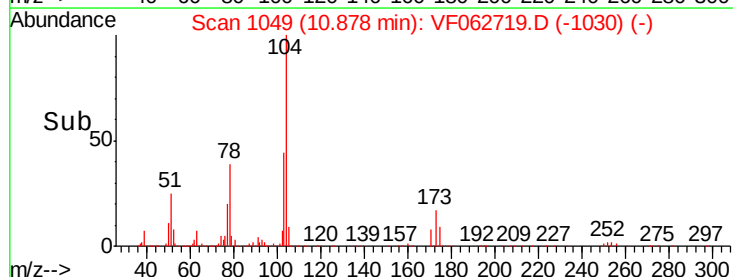
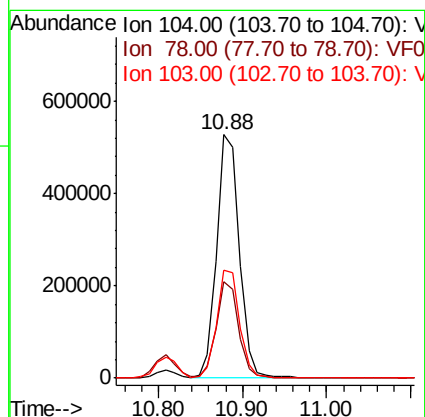
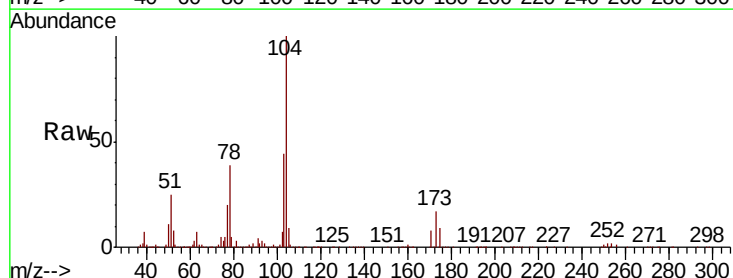
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

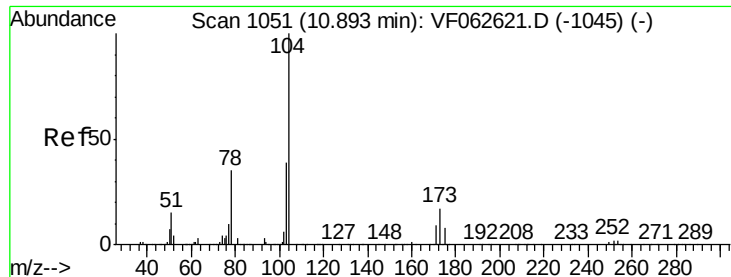
Tot Ion:106 Resp: 694176
Ion Ratio Lower Upper
106 100
91 189.5 100.2 300.5



#70
Styrene
Concen: 49.056 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion:104 Resp: 987500
Ion Ratio Lower Upper
104 100
78 39.4 31.9 47.9
103 44.1 36.1 54.1





#71

Bromoform

Concen: 53.571 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

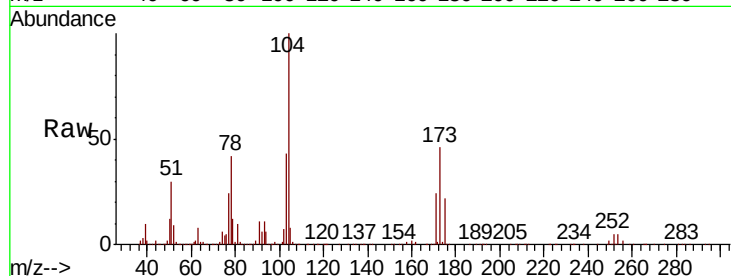
Tot Ion:173 Resp: 212116

Ion Ratio Lower Upper

173 100

175 48.7 25.3 75.9

254 0.0 0.2 0.2#

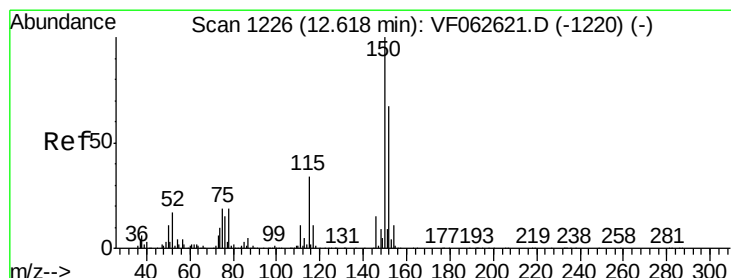
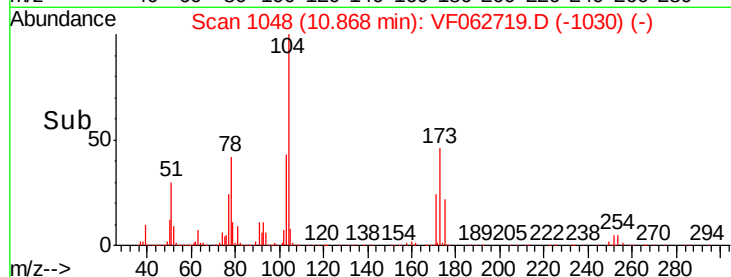
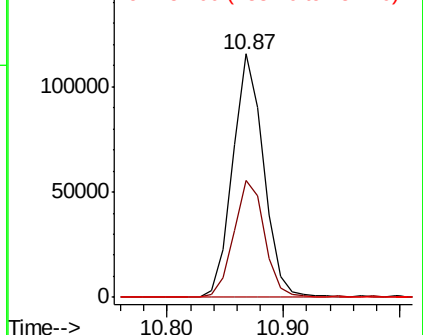


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

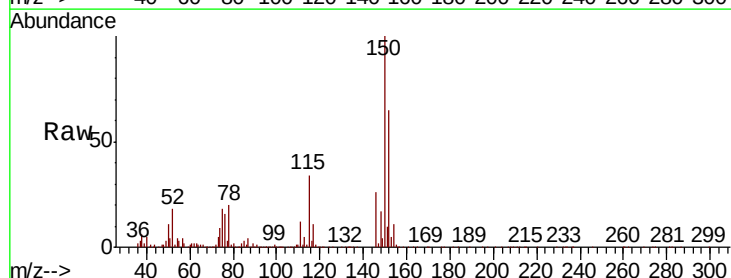
Tgt Ion:152 Resp: 444845

Ion Ratio Lower Upper

152 100

115 53.0 25.2 75.6

150 154.0 0.0 306.2

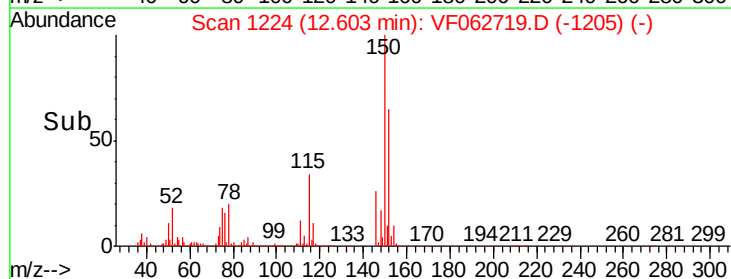
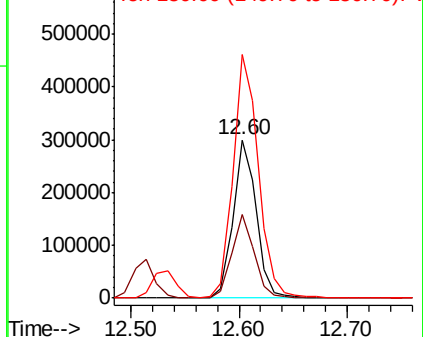


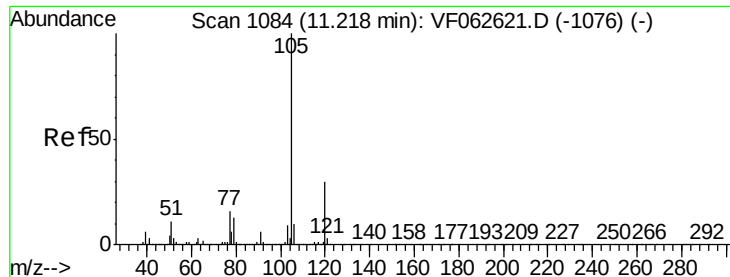
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.207 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

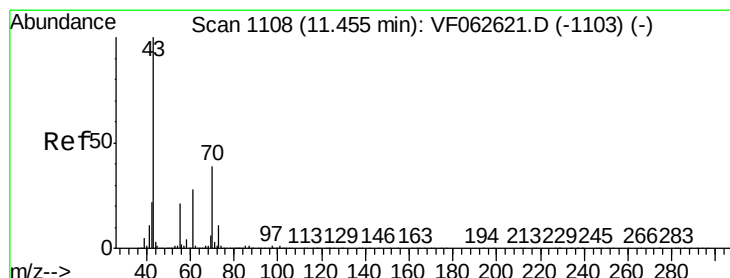
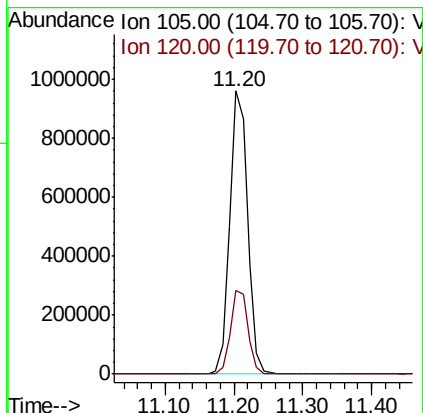
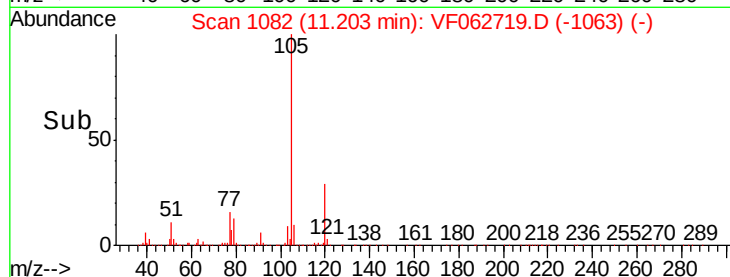
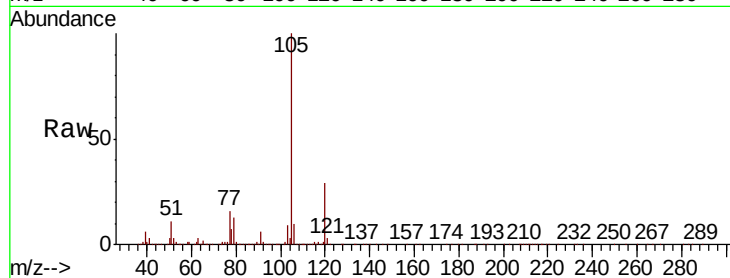
VSTDCCC050

Tot Ion:105 Resp: 1728260

Ion Ratio Lower Upper

105 100

120 29.5 14.8 44.4



#74

N-ethyl acetate

Concen: 51.069 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Tgt Ion: 43 Resp: 413347

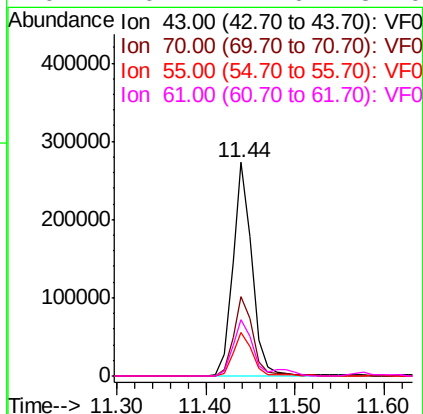
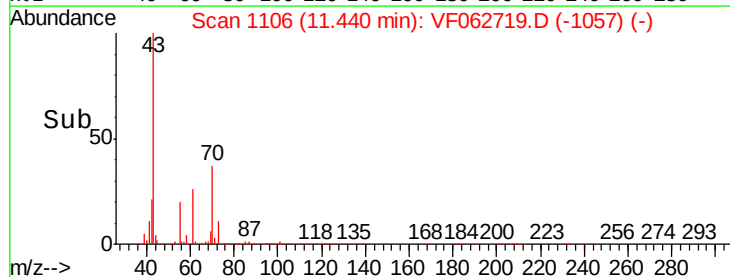
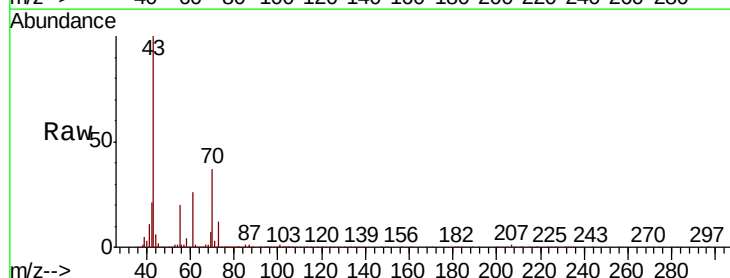
Ion Ratio Lower Upper

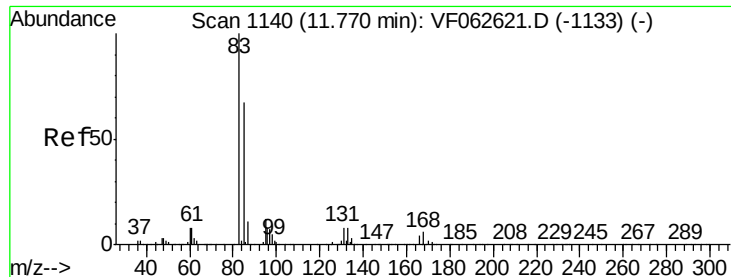
43 100

70 36.9 30.9 46.3

55 20.1 17.0 25.4

61 26.2 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.151 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

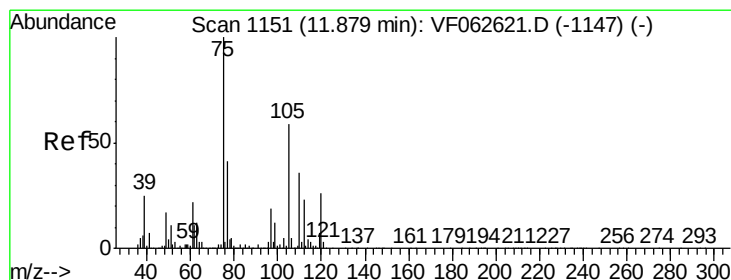
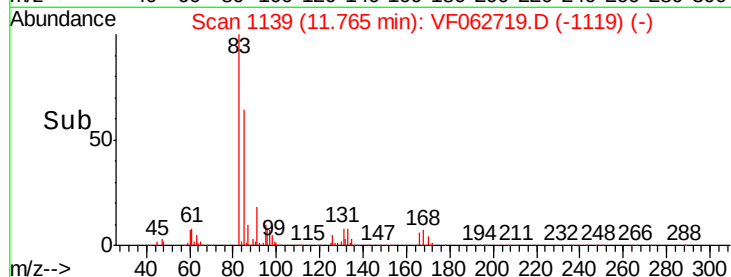
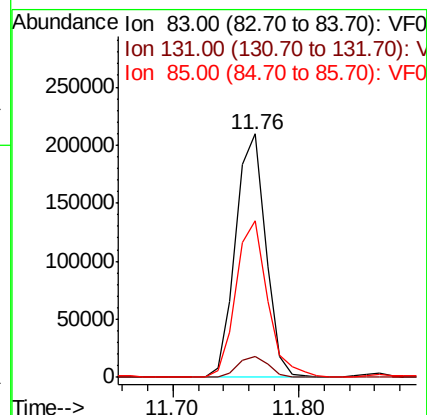
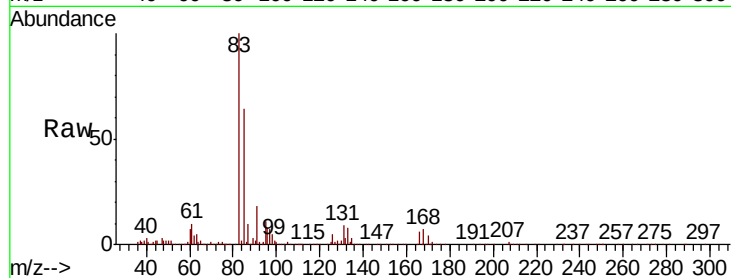
Tot Ion: 83 Resp: 346318

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

85 64.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 49.463 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062719.D

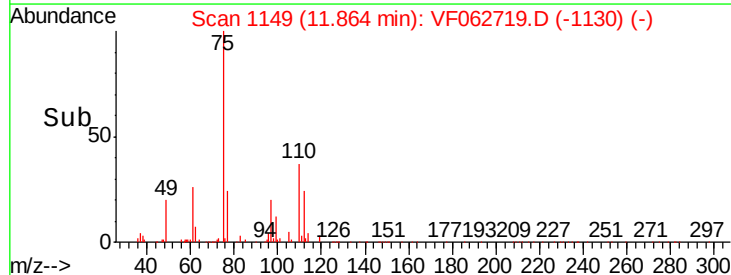
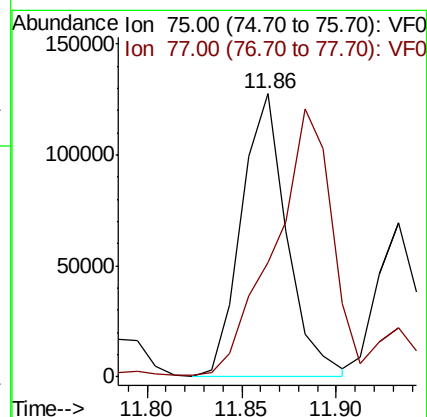
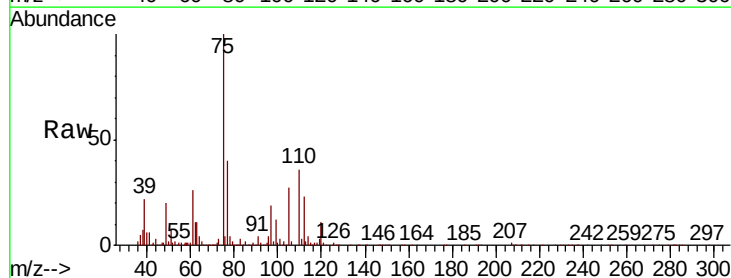
Acq: 23 May 2019 10:16

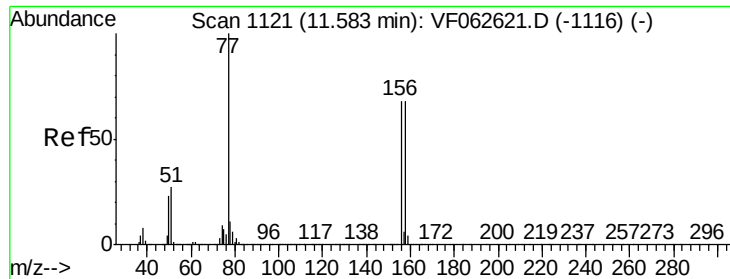
Tgt Ion: 75 Resp: 211763

Ion Ratio Lower Upper

75 100

77 40.4 20.6 61.8

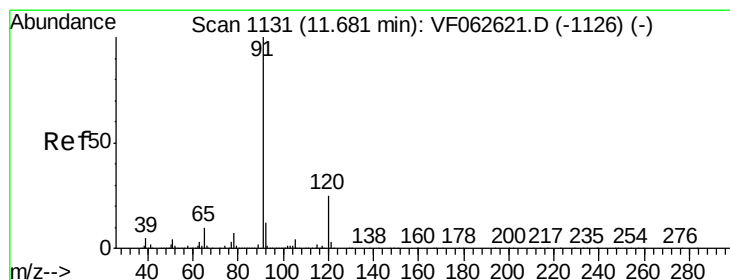
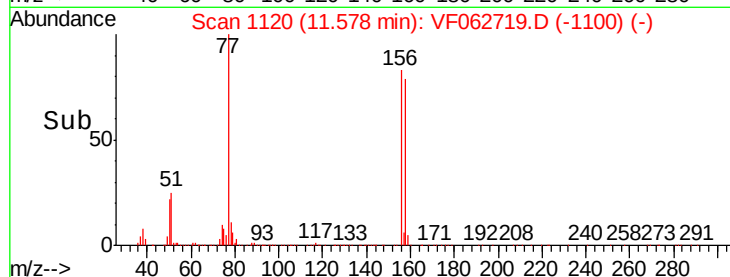
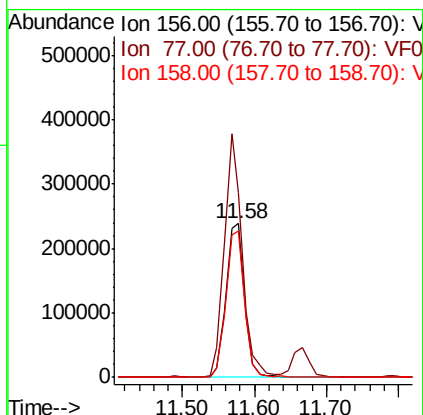
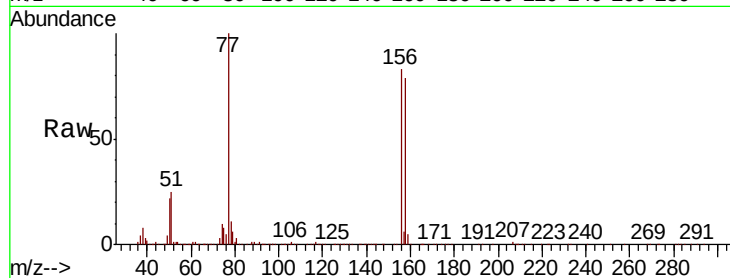




#77
Bromobenzene
Concen: 53.580 ug/l
RT: 11.58 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

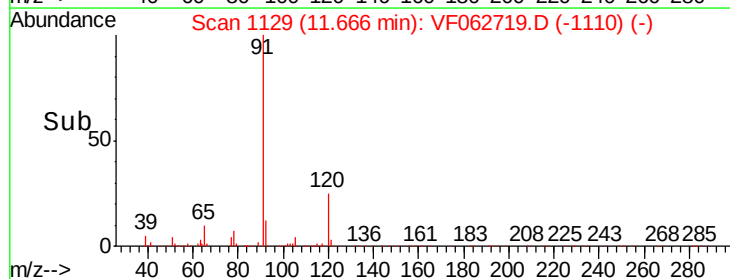
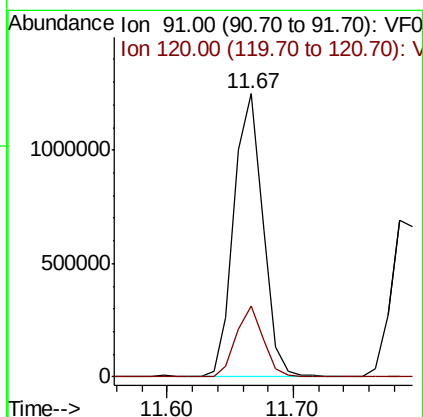
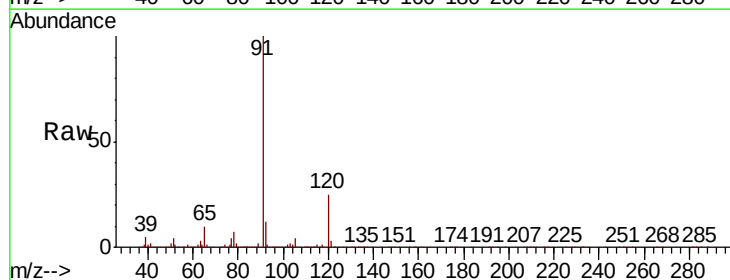
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

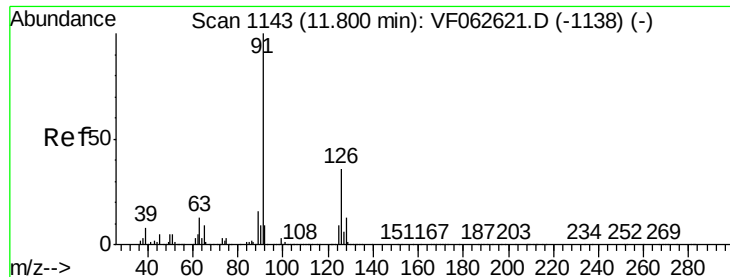
Tot Ion:156 Resp: 424624
Ion Ratio Lower Upper
156 100
77 120.1 73.6 220.8
158 95.0 49.6 148.8



#78
n-propylbenzene
Concen: 52.277 ug/l
RT: 11.67 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 91 Resp: 1972543
Ion Ratio Lower Upper
91 100
120 25.1 12.7 38.1





#79

2-Chlorotoluene

Concen: 54.700 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

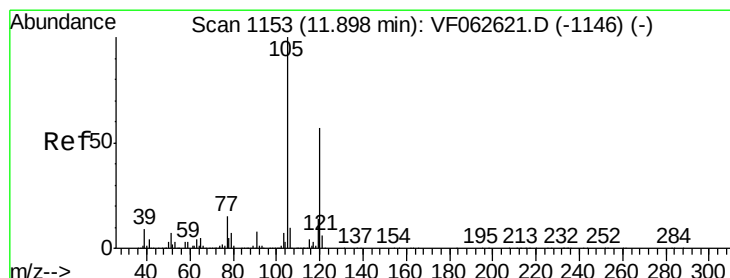
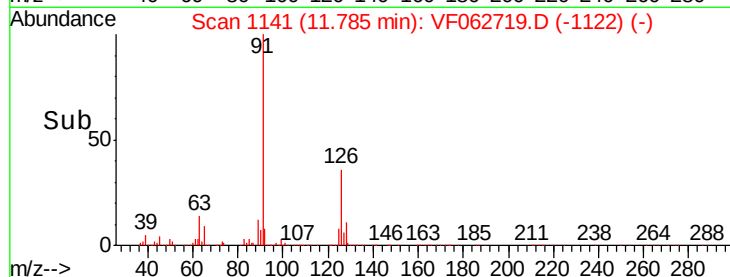
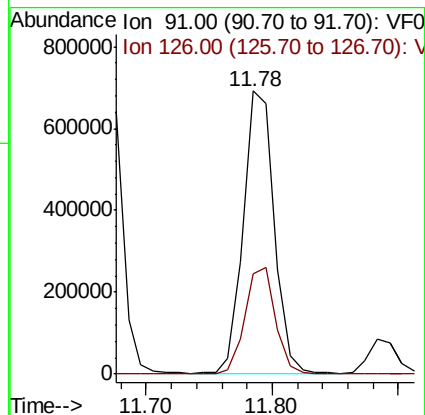
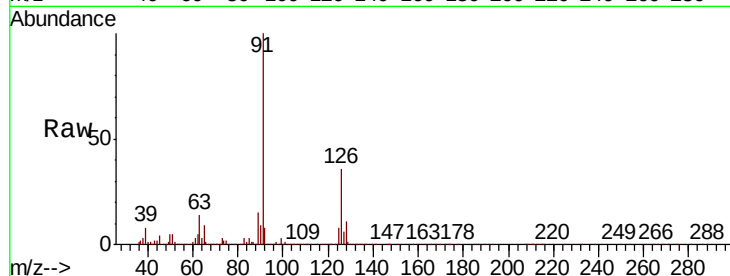
VSTDCCC050

Tot Ion: 91 Resp: 1163164

Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 53.427 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF062719.D

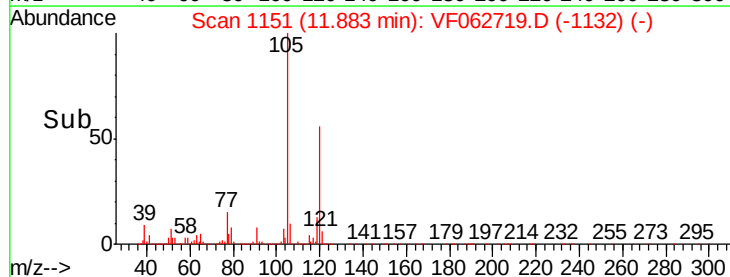
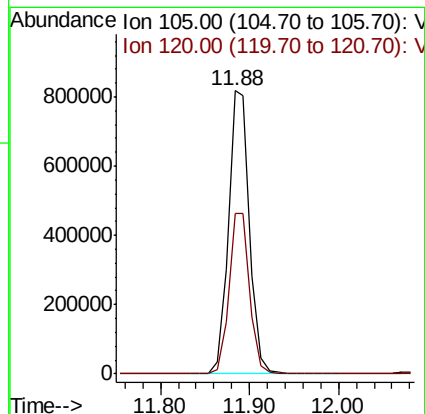
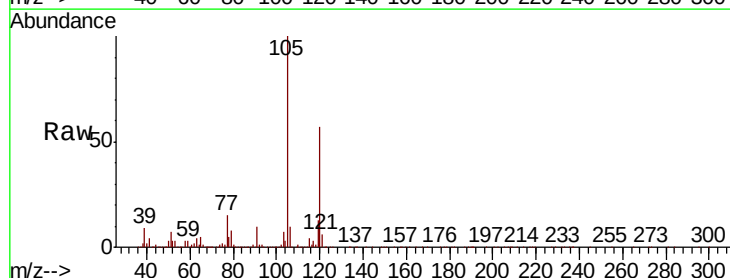
Acq: 23 May 2019 10:16

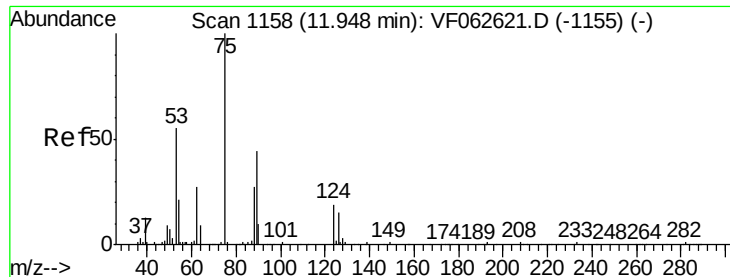
Tgt Ion:105 Resp: 1365862

Ion Ratio Lower Upper

105 100

120 56.7 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 72.603 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

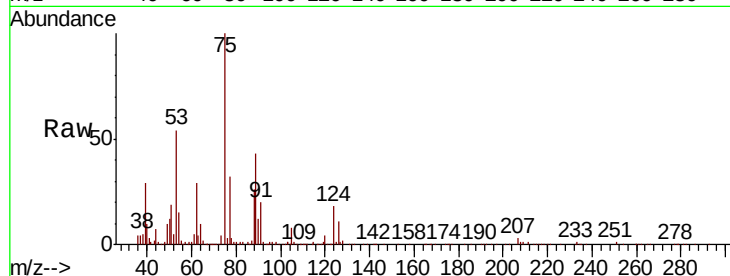
Tot Ion: 75 Resp: 138165

Ion Ratio Lower Upper

75 100

53 53.8 46.9 70.3

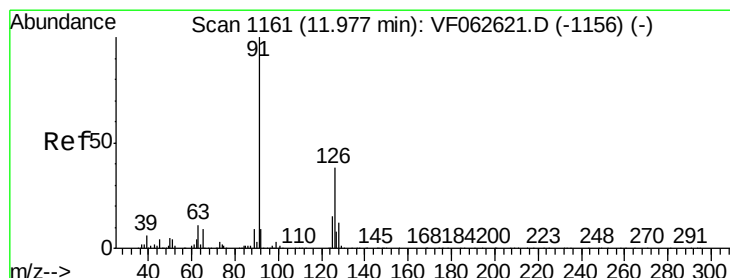
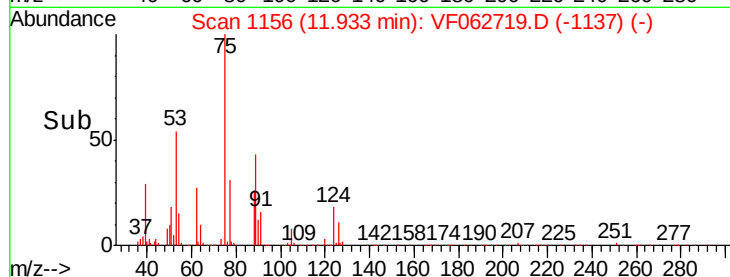
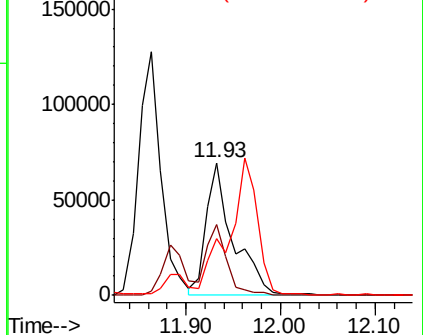
89 43.0 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 53.924 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VF062719.D

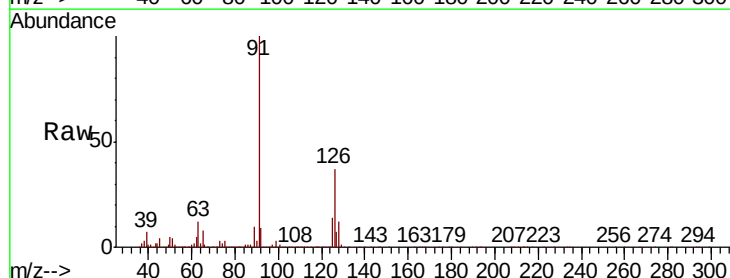
Acq: 23 May 2019 10:16

Tgt Ion: 91 Resp: 1130760

Ion Ratio Lower Upper

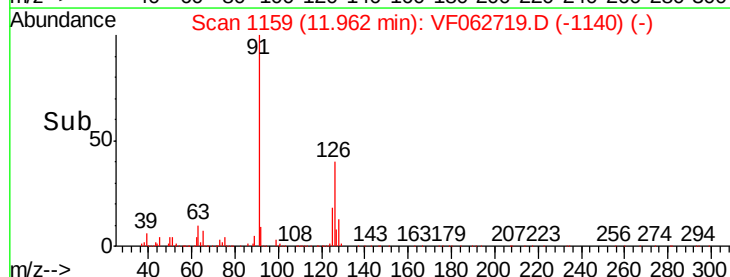
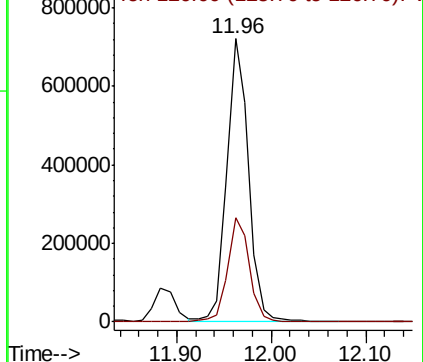
91 100

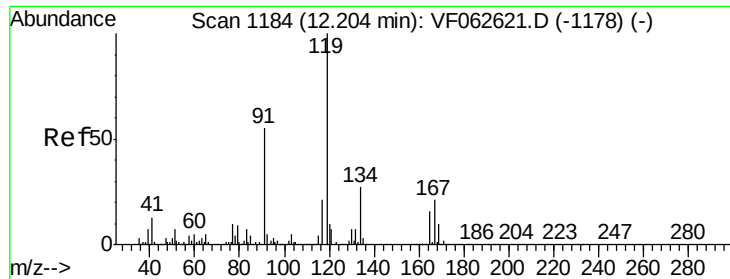
126 36.8 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 55.406 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

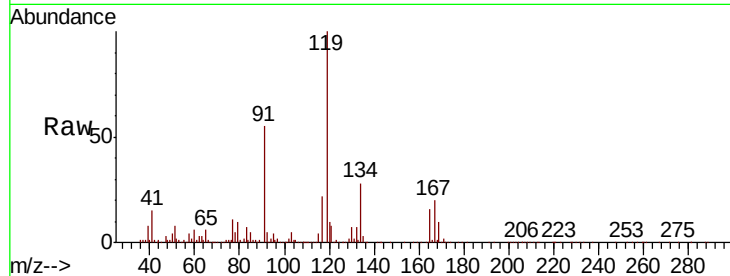
Tot Ion:119 Resp: 1437079

Ion Ratio Lower Upper

119 100

91 54.8 27.3 81.9

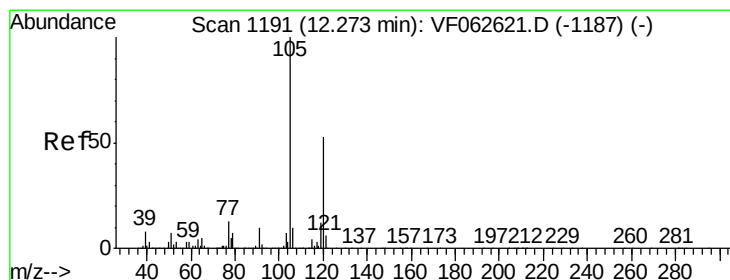
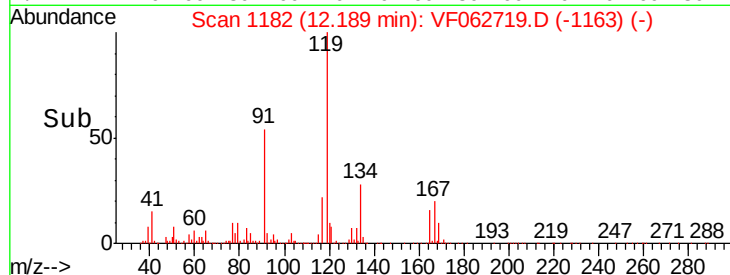
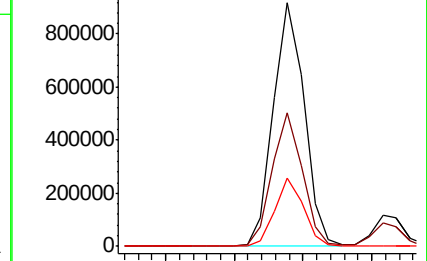
134 28.0 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.402 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062719.D

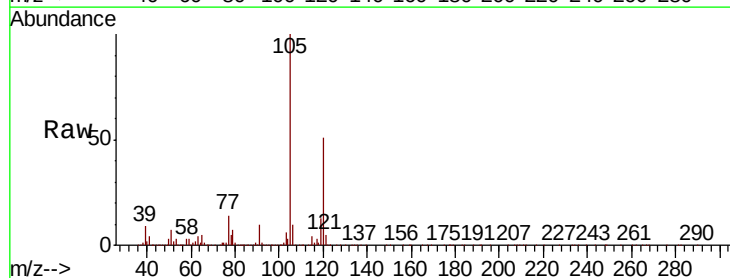
Acq: 23 May 2019 10:16

Tgt Ion:105 Resp: 1346097

Ion Ratio Lower Upper

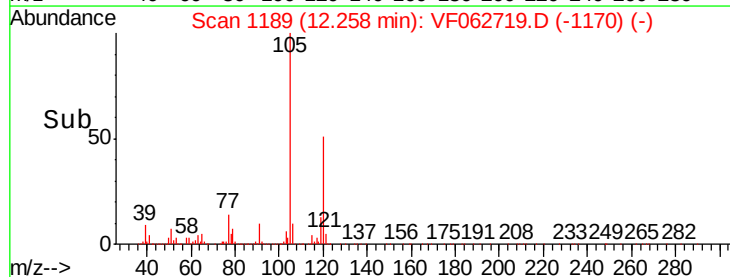
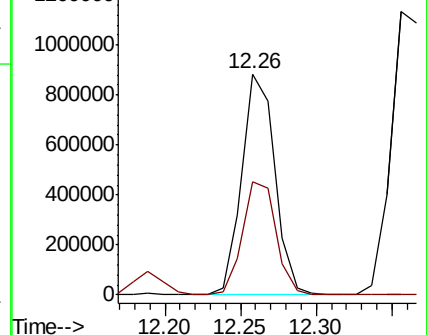
105 100

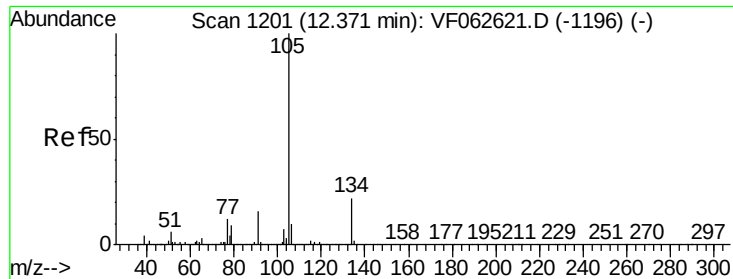
120 51.2 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

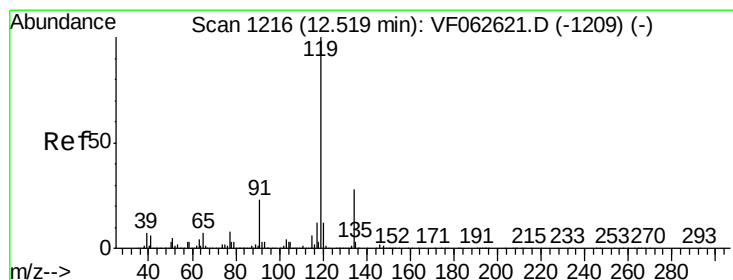
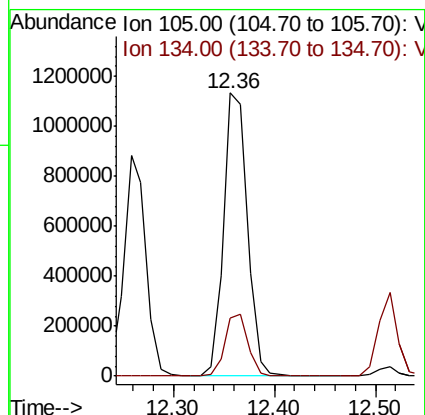
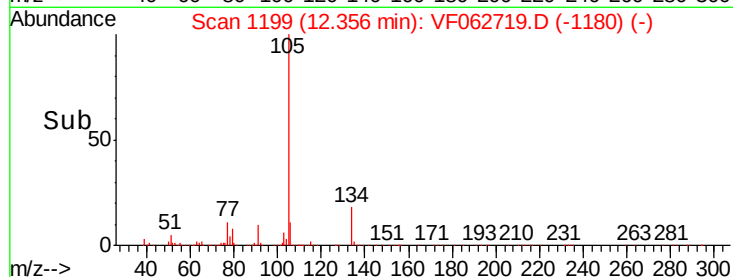
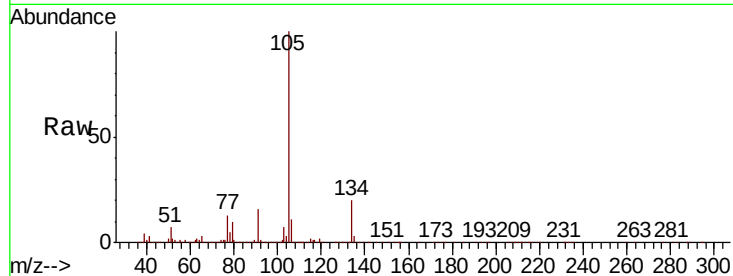




#85
 sec-Butylbenzene
 Concen: 53.567 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

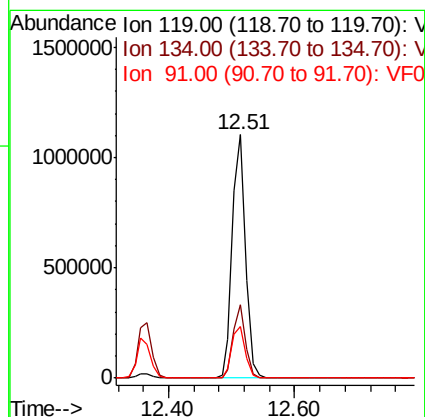
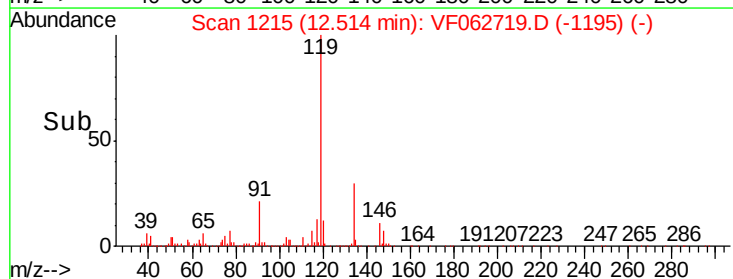
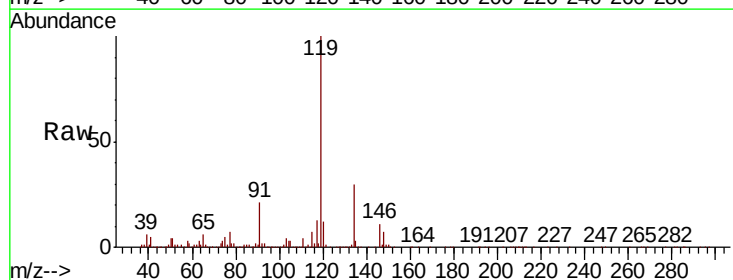
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

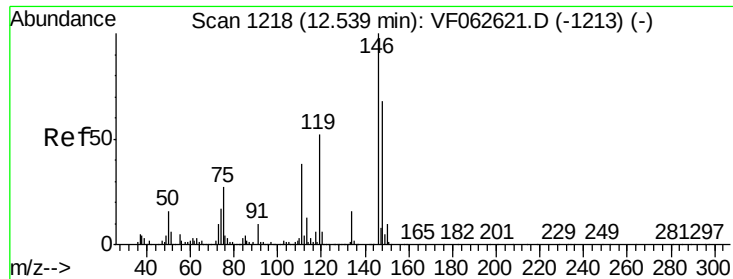
Tot Ion:105 Resp: 1864572
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 53.944 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion:119 Resp: 1582426
 Ion Ratio Lower Upper
 119 100
 134 30.3 14.1 42.3
 91 21.2 11.4 34.2

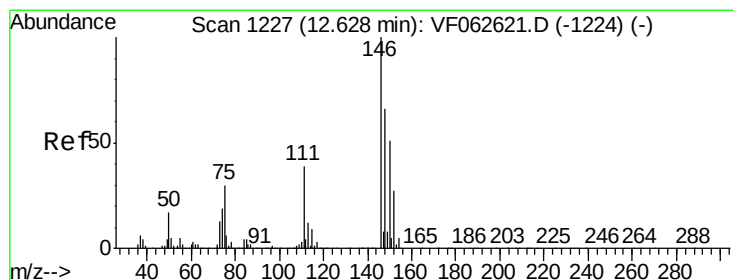
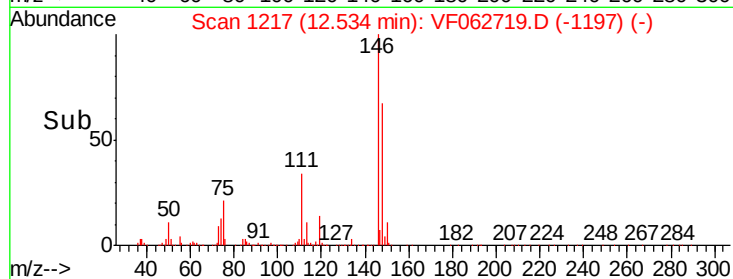
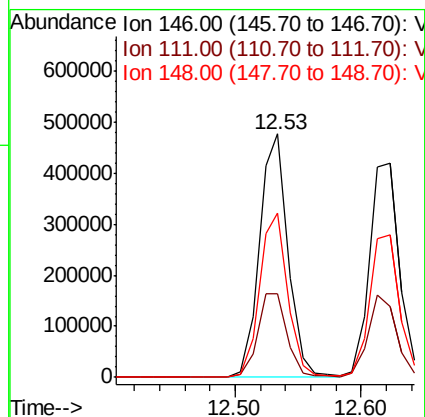
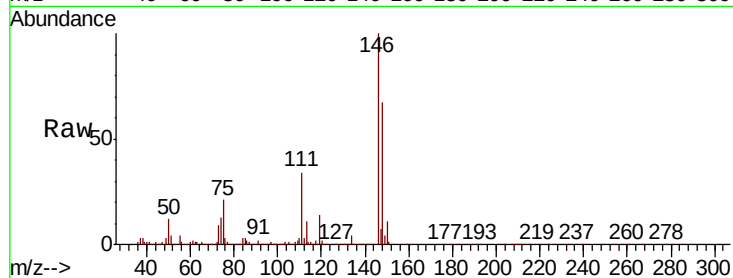




#87
 1,3-Dichlorobenzene
 Concen: 52.402 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

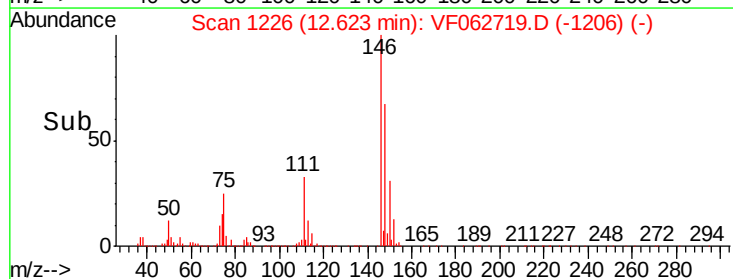
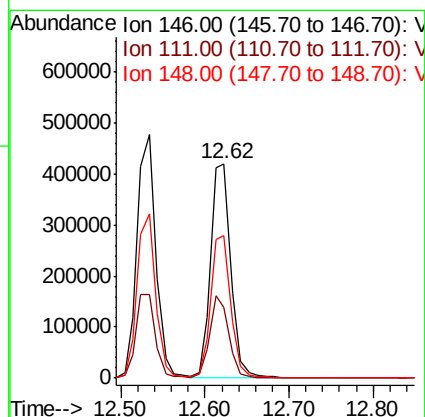
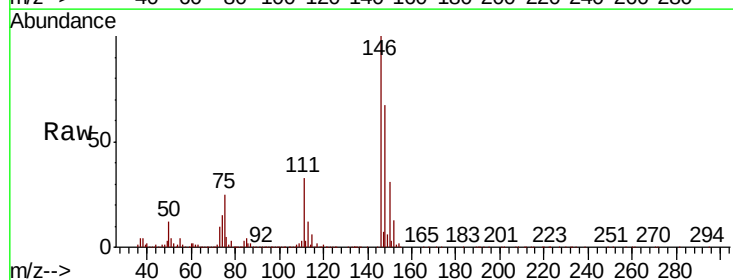
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

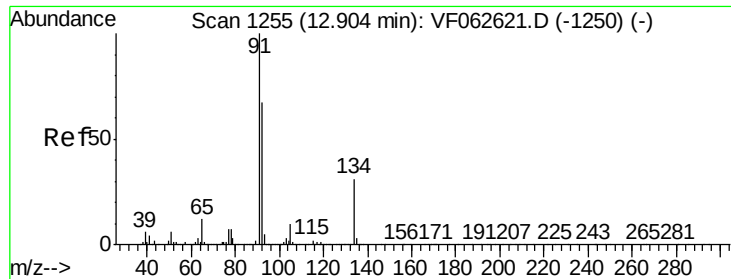
Tot Ion:146 Resp: 751346
 Ion Ratio Lower Upper
 146 100
 111 34.2 18.9 56.9
 148 67.5 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 52.269 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion:146 Resp: 703289
 Ion Ratio Lower Upper
 146 100
 111 33.0 19.4 58.2
 148 66.6 33.2 99.6

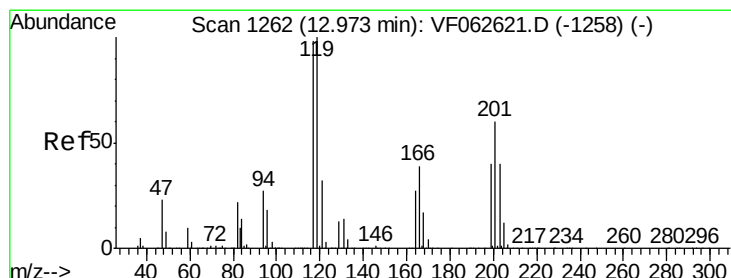
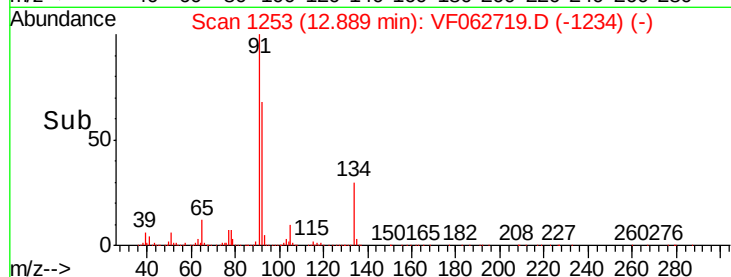
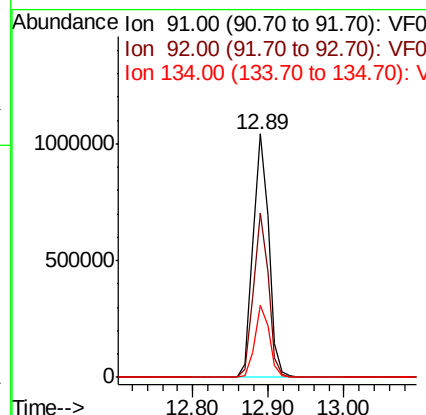
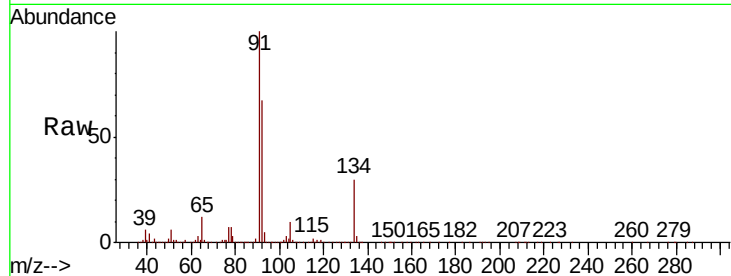




#89
n-Butylbenzene
Concen: 51.932 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

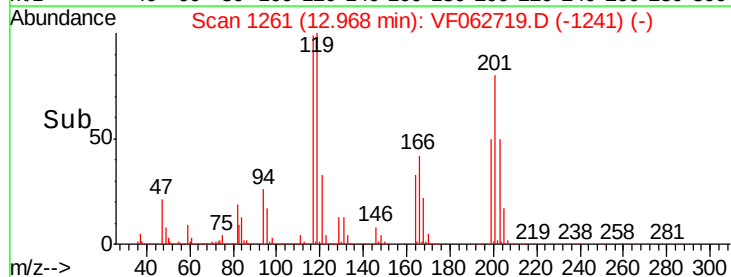
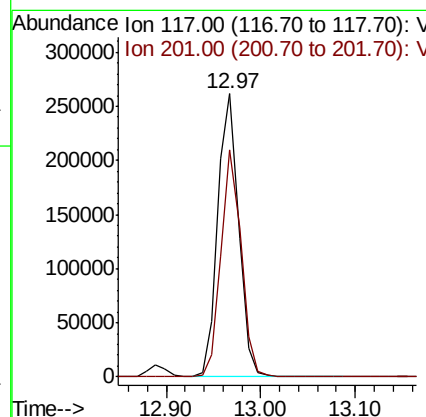
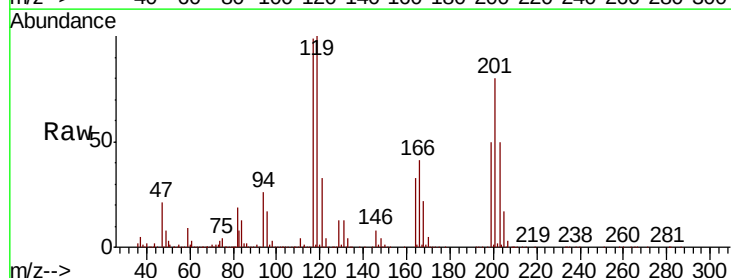
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

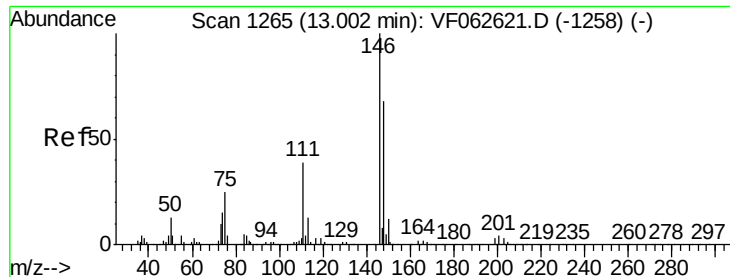
Tot Ion: 91 Resp: 1502020
Ion Ratio Lower Upper
91 100
92 67.5 33.3 99.8
134 29.8 15.4 46.4



#90
Hexachloroethane
Concen: 57.281 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062719.D
Acq: 23 May 2019 10:16

Tgt Ion: 117 Resp: 403085
Ion Ratio Lower Upper
117 100
201 80.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 53.720 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

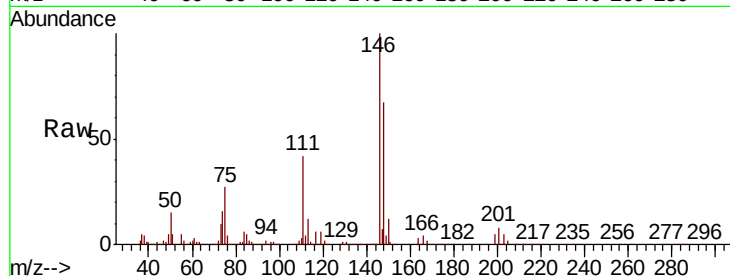
Tot Ion:146 Resp: 686594

Ion Ratio Lower Upper

146 100

111 42.3 19.8 59.3

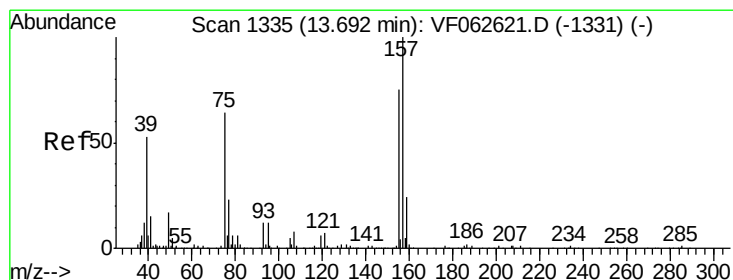
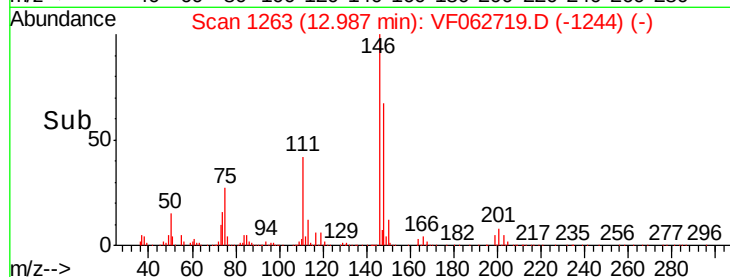
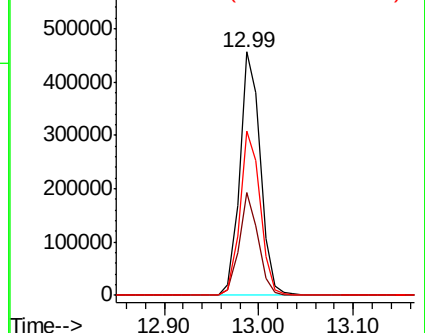
148 67.2 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.604 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

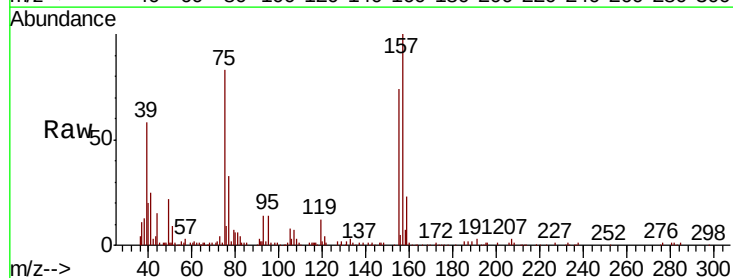
Tgt Ion: 75 Resp: 43998

Ion Ratio Lower Upper

75 100

155 89.7 58.1 174.3

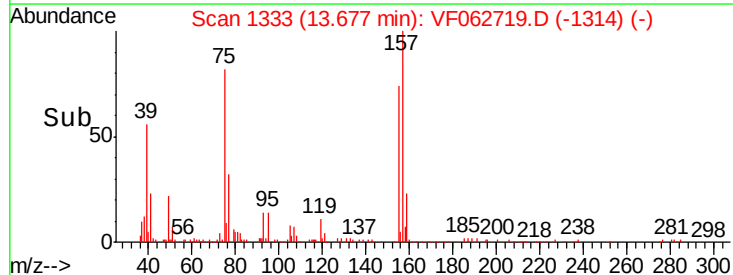
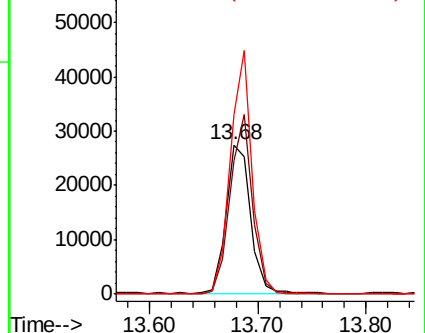
157 120.5 77.8 233.4

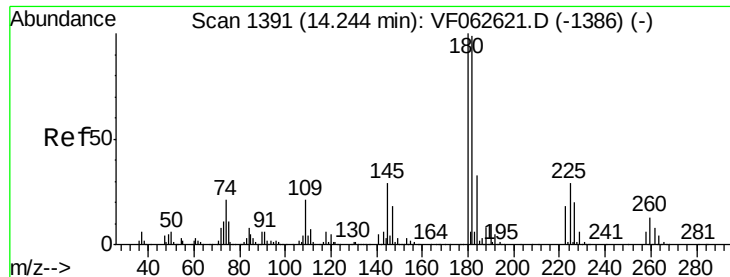


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

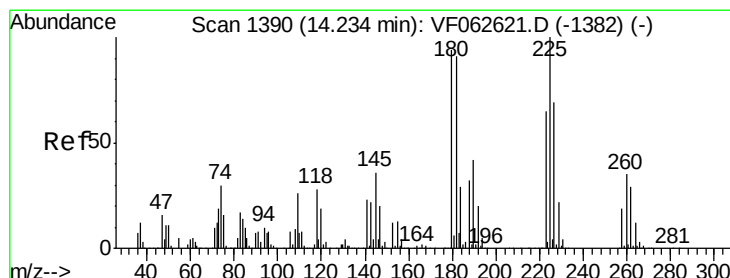
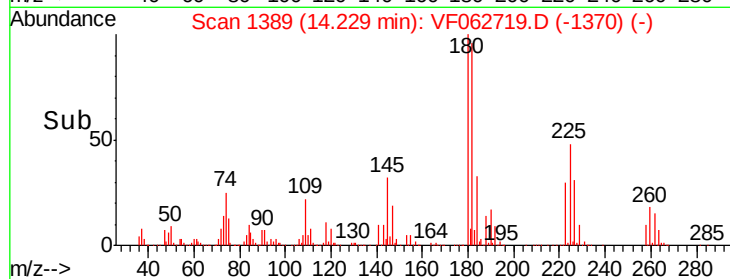
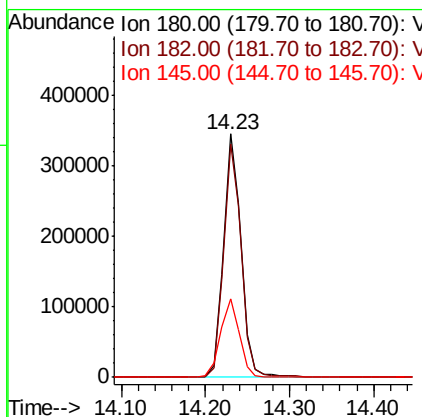
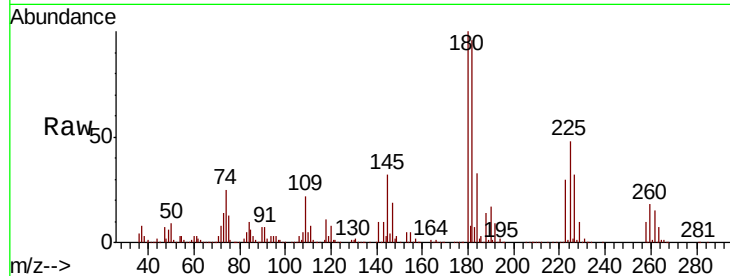




#93
 1,2,4-Trichlorobenzene
 Concen: 54.745 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

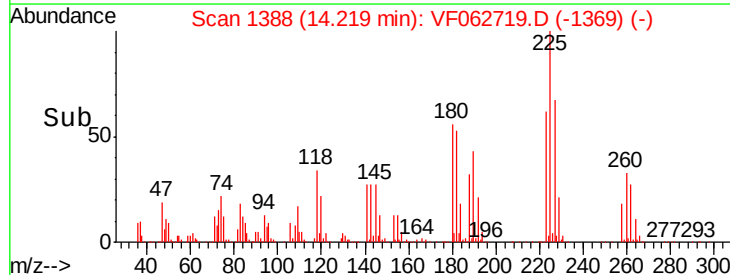
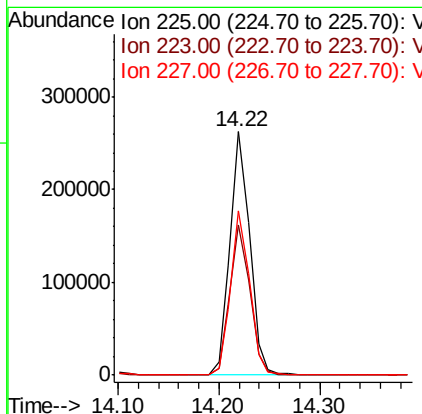
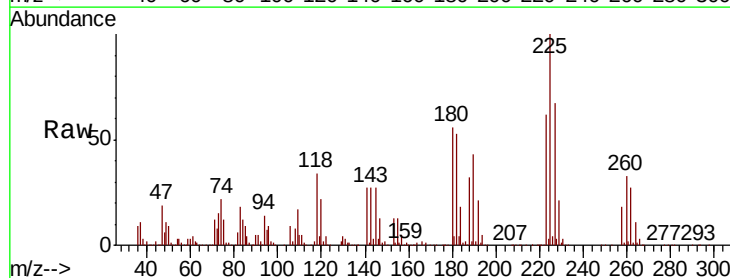
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

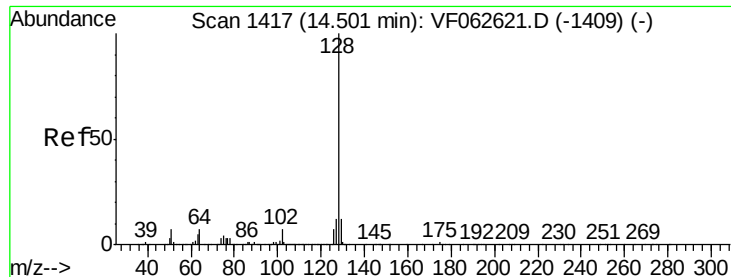
Tot Ion:180 Resp: 500838
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.7 149.1
 145 32.3 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 56.148 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062719.D
 Acq: 23 May 2019 10:16

Tgt Ion:225 Resp: 358476
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.5 97.4
 227 67.4 34.5 103.5





#95

Naphthalene

Concen: 48.849 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

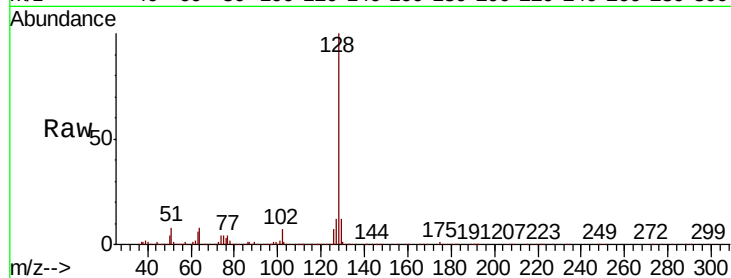
Tot Ion:128 Resp: 811872

Ion Ratio Lower Upper

128 100

127 12.1 9.7 14.5

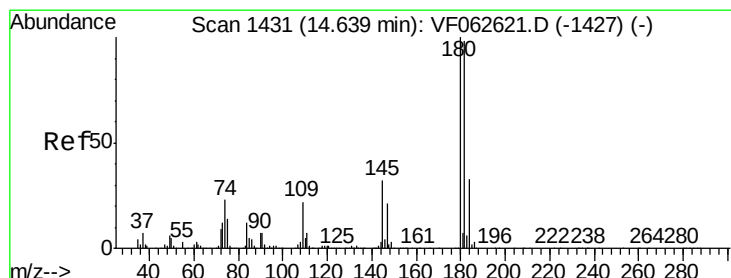
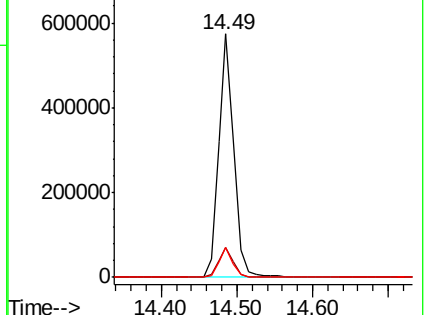
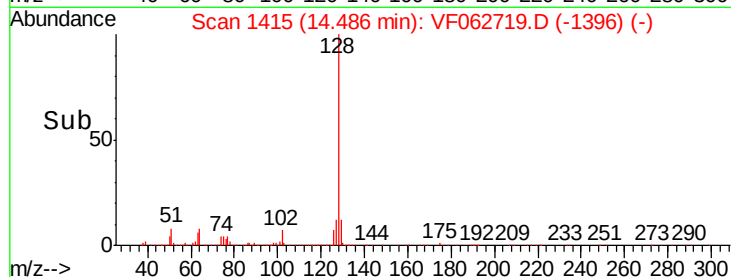
129 12.1 9.3 13.9



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: 54.198 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062719.D

Acq: 23 May 2019 10:16

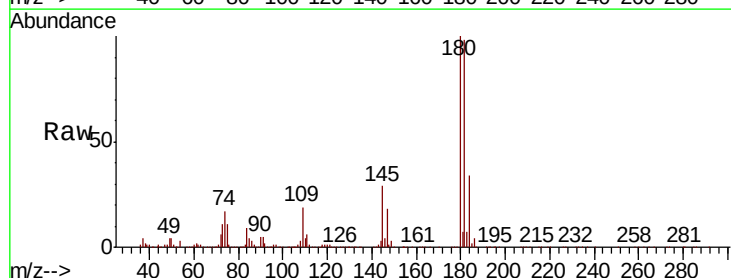
Tgt Ion:180 Resp: 469658

Ion Ratio Lower Upper

180 100

182 98.2 48.9 146.7

145 29.1 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

