

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062687.D
 Acq On : 21 May 2019 17:11
 Operator : FY/SY
 Sample : K2971-02
 Misc : 6.44g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

Quant Time: May 22 03:56:47 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	5.08	168	1187	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.90	114	62	50.00	ug/l	0.11
63) Chlorobenzene-d5	10.11	117	158	50.00	ug/l	0.20
72) 1,4-Dichlorobenzene-d4	12.61	152	180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	740	88.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	176.44%	
35) Dibromofluoromethane	4.38	113	332	699.79	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	1399.58%	
50) Toluene-d8	7.81	98	300	264.84	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	529.68%	
62) 4-Bromofluorobenzene	11.73	95	310	721.58	ug/l	0.23
Spiked Amount				50.000		
			Recovery	=	1443.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	364	22.534	ug/l #	41
3) Chloromethane	1.22	50	734	49.349	ug/l	93
4) Vinyl Chloride	1.22	62	448	32.722	ug/l #	41
5) Bromomethane	1.37	94	928	123.900	ug/l	96
6) Chloroethane	1.46	64	285	56.680	ug/l #	45
7) Trichlorofluoromethane	1.55	101	206	11.206	ug/l #	1
8) Diethyl Ether	1.70	74	67	18.397	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.91	101	137	11.704	ug/l #	19
10) Methyl Iodide	2.01	142	67	2.914	ug/l #	1
11) Tert butyl alcohol	2.68	59	110	198.636	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	358	33.574	ug/l #	1
13) Acrolein	2.13	56	730	1262.833	ug/l #	82
14) Allyl chloride	2.19	41	1123	116.364	ug/l #	47
15) Acrylonitrile	3.16	53	1046	669.607	ug/l #	26
16) Acetone	2.42	43	1140	523.873	ug/l	91
17) Carbon Disulfide	1.92	76	242	7.657	ug/l #	1
18) Methyl Acetate	2.37	43	527	154.112	ug/l	94
19) Methyl tert-butyl Ether	2.59	73	1524	79.950	ug/l	95
20) Methylene Chloride	2.35	84	413	37.864	ug/l #	30
21) trans-1,2-Dichloroethene	2.45	96	331	31.759	ug/l #	11
22) Diisopropyl ether	2.93	45	364	15.293	ug/l #	1
23) Vinyl Acetate	3.37	43	818	50.945	ug/l #	1
24) 1,1-Dichloroethane	3.00	63	747	42.780	ug/l #	34
25) 2-Butanone	4.57	43	1131	243.266	ug/l	92
26) 2,2-Dichloropropane	3.79	77	2128	212.996	ug/l #	46
27) cis-1,2-Dichloroethene	3.67	96	309	18.024	ug/l	1
28) Bromochloromethane	3.93	49	861	87.918	ug/l #	24
29) Tetrahydrofuran	4.28	42	402	213.673	ug/l #	24
30) Chloroform	4.08	83	198	8.167	ug/l	93
31) Cyclohexane	3.91	56	1124	47.941	ug/l #	28
32) 1,1,1-Trichloroethane	4.29	97	141	8.757	ug/l #	23
36) 1,1-Dichloropropene	4.58	75	299	470.638	ug/l #	52
37) Ethyl Acetate	4.40	43	287	1106.410	ug/l #	75
38) Carbon Tetrachloride	4.30	117	127	265.801	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.72	83	383	501.023	ug/l #	39
40) Benzene	4.94	78	732	422.937	ug/l	93
41) Methacrylonitrile	5.00	41	598	4397.223	ug/l #	61
42) 1,2-Dichloroethane	5.22	62	239	692.473	ug/l	71
43) Isopropyl Acetate	7.24	43	1225	3645.190	ug/l #	96
44) Trichloroethene	5.75	130	243	499.552	ug/l	97
45) 1,2-Dichloropropane	6.57	63	314	718.694	ug/l #	42
46) Dibromomethane	6.39	93	118	467.330	ug/l #	3
47) Bromodichloromethane	6.69	83	418	797.424	ug/l #	20
48) Methyl methacrylate	7.03	41	388	2208.909	ug/l #	46
49) 1,4-Dioxane	6.97	88	778	345817.231	ug/l #	13
51) 4-Methyl-2-Pentanone	8.53	43	255	1110.098	ug/l #	32
52) Toluene	7.95	92	92	101.357	ug/l #	44
53) t-1,3-Dichloropropene	8.60	75	160	373.091	ug/l #	2
54) cis-1,3-Dichloropropene	7.63	75	326	543.048	ug/l #	7
55) 1,1,2-Trichloroethane	8.81	97	159	591.620	ug/l #	1
56) Ethyl methacrylate	8.86	69	731	2283.046	ug/l	95
57) 1,3-Dichloropropane	9.16	76	257	561.420	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.59	63	155	1487.227	ug/l #	51
59) 2-Hexanone	9.80	43	1250	8986.864	ug/l #	36
60) Dibromochloromethane	8.97	129	102	291.202	ug/l	97
61) 1,2-Dibromoethane	9.14	107	103	360.825	ug/l	82
64) Tetrachloroethene	8.29	164	289	230.883	ug/l #	12
65) Chlorobenzene	9.95	112	222	71.537	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.08	131	109	87.494	ug/l #	62
67) Ethyl Benzene	10.05	91	375	69.560	ug/l #	74
68) m/p-Xylenes	10.28	106	102	50.341	ug/l #	1
69) o-Xylene	10.90	106	244	116.914	ug/l	83
70) Styrene	10.94	104	172	54.222	ug/l #	1
71) Bromoform	10.89	173	144	230.790	ug/l #	27
73) Isopropylbenzene	11.23	105	173	13.410	ug/l #	45
74) N-amyl acetate	11.45	43	1599	540.022	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.77	83	72	27.309	ug/l #	23
76) 1,2,3-Trichloropropane	11.91	75	167	96.402	ug/l #	1
77) Bromobenzene	11.54	156	119	37.109	ug/l #	19
78) n-propylbenzene	11.66	91	215	14.082	ug/l #	15
79) 2-Chlorotoluene	11.82	91	276	32.077	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.91	105	247	23.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	211	274.015	ug/l #	26
82) 4-Chlorotoluene	12.03	91	633	74.602	ug/l	94
83) tert-Butylbenzene	12.18	119	242	23.059	ug/l #	82
84) 1,2,4-Trimethylbenzene	12.28	105	184	18.378	ug/l #	25
85) sec-Butylbenzene	12.37	105	300	21.300	ug/l #	54
86) p-Isopropyltoluene	12.47	119	109	9.183	ug/l #	49
87) 1,3-Dichlorobenzene	12.56	146	271	46.711	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	69	12.673	ug/l #	58
89) n-Butylbenzene	12.94	91	287	24.523	ug/l #	52
90) Hexachloroethane	12.95	117	118	41.441	ug/l #	20
91) 1,2-Dichlorobenzene	13.03	146	83	16.049	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	233	740.808	ug/l #	1

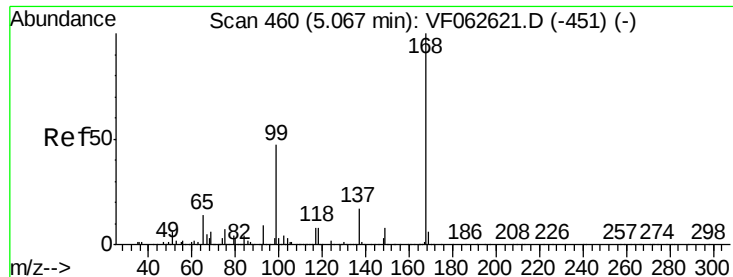
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	91	24.583	ug/l #	11
94) Hexachlorobutadiene	14.24	225	144	55.741	ug/l #	39
95) Naphthalene	14.50	128	105	15.613	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.66	180	85	24.241	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

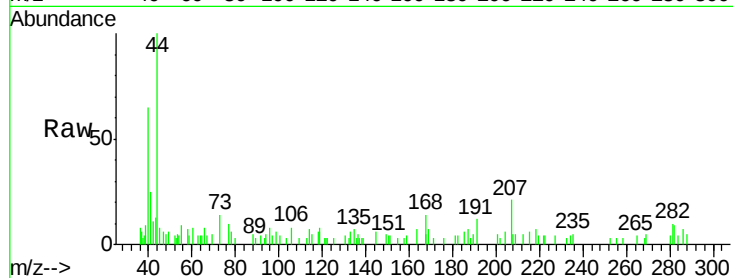
SUP-2A-G-2-052019

Tot Ion:168 Resp: 1187

Ion Ratio Lower Upper

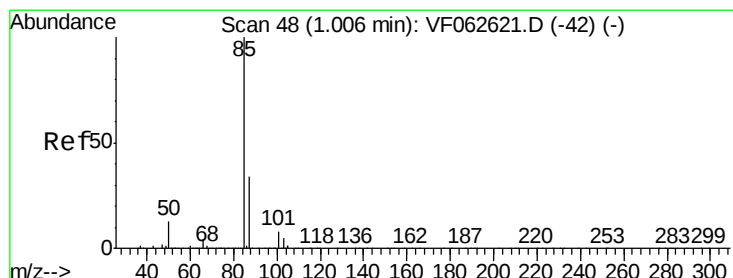
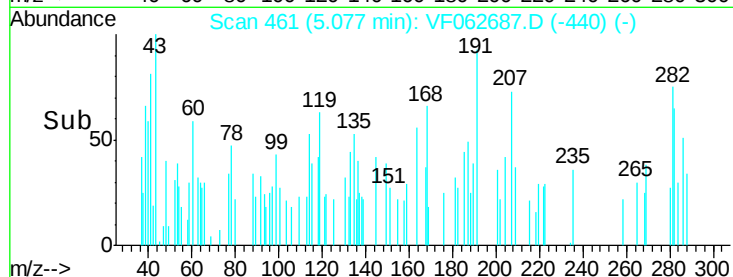
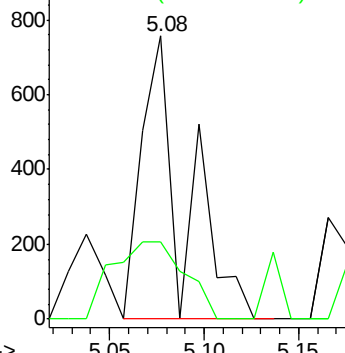
168 100

99 27.2 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.534 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062687.D

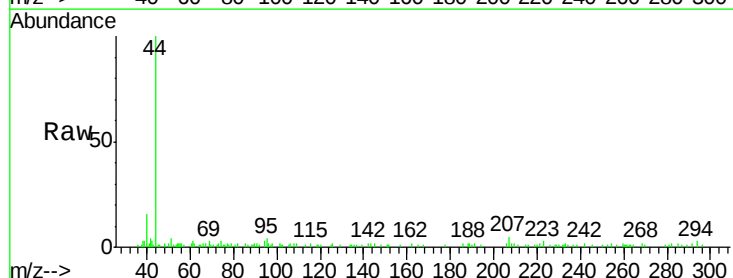
Acq: 21 May 2019 17:11

Tgt Ion: 85 Resp: 364

Ion Ratio Lower Upper

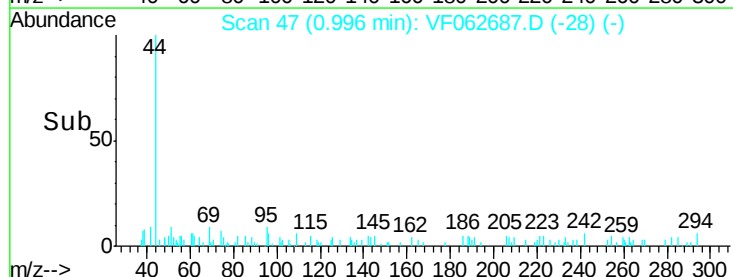
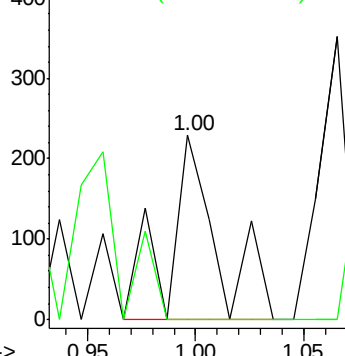
85 100

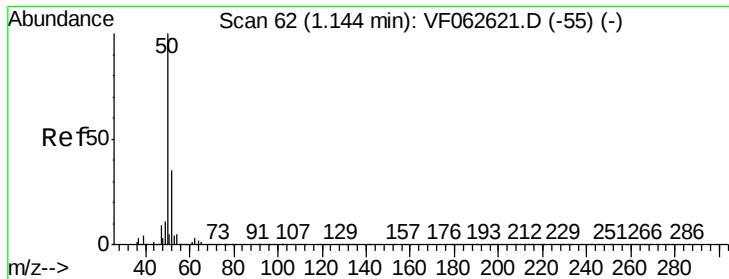
87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 49.349 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.08 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

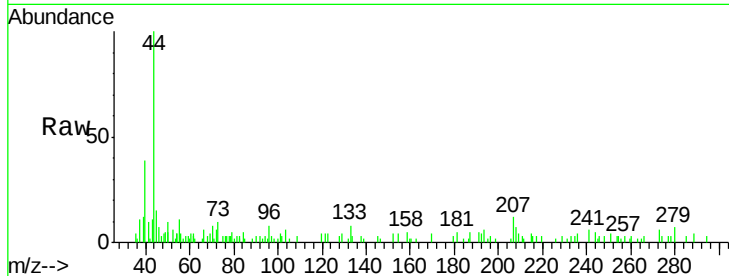
SUP-2A-G-2-052019

Tot Ion: 50 Resp: 734

Ion Ratio Lower Upper

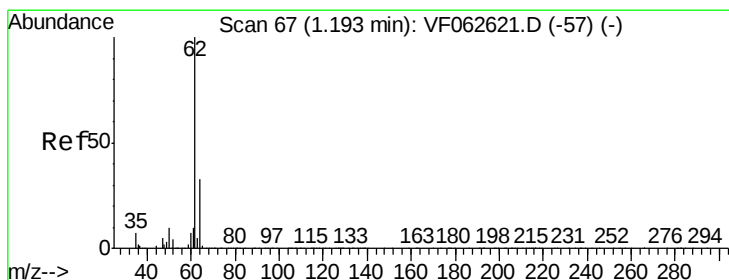
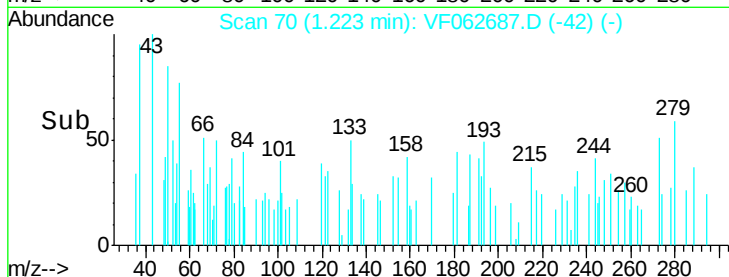
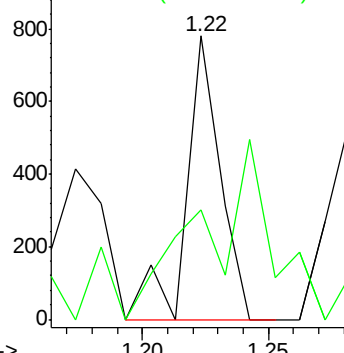
50 100

52 38.6 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 32.722 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF062687.D

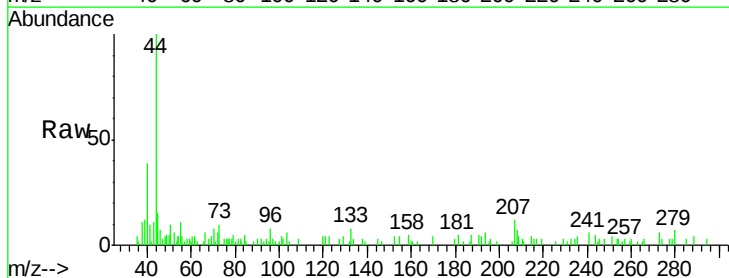
Acq: 21 May 2019 17:11

Tgt Ion: 62 Resp: 448

Ion Ratio Lower Upper

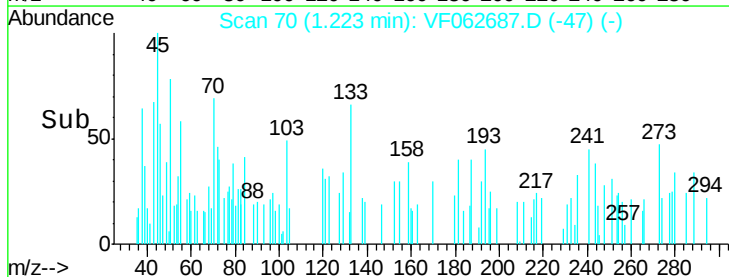
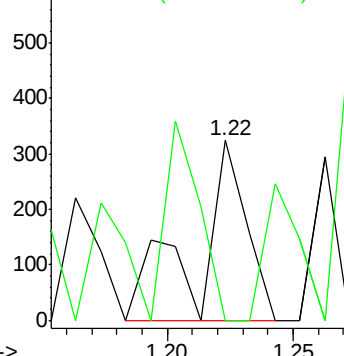
62 100

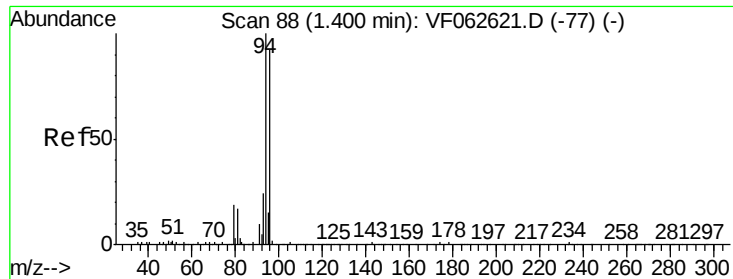
64 0.0 26.7 40.1#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 123.900 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

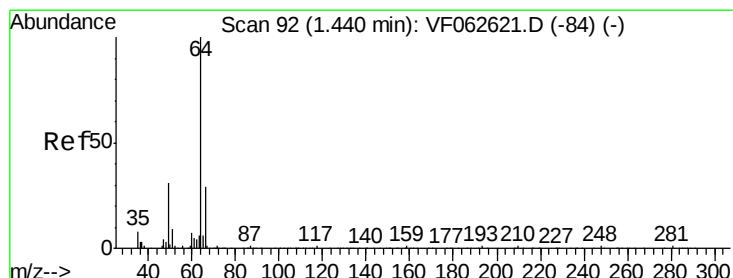
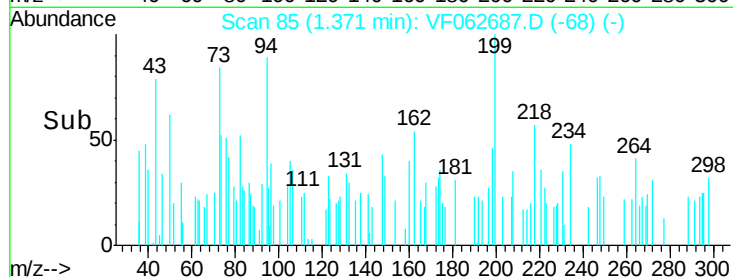
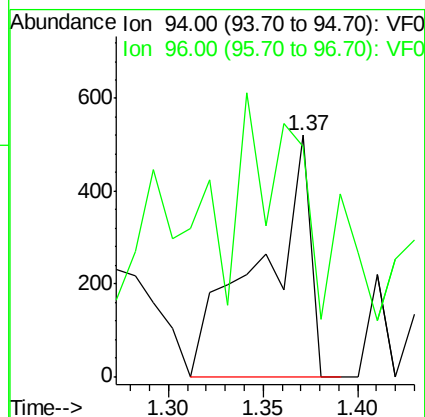
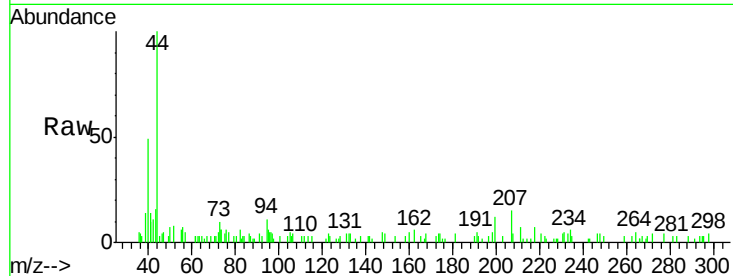
SUP-2A-G-2-052019

Tot Ion: 94 Resp: 928

Ion Ratio Lower Upper

94 100

96 95.2 73.2 109.8



#6

Chloroethane

Concen: 56.680 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062687.D

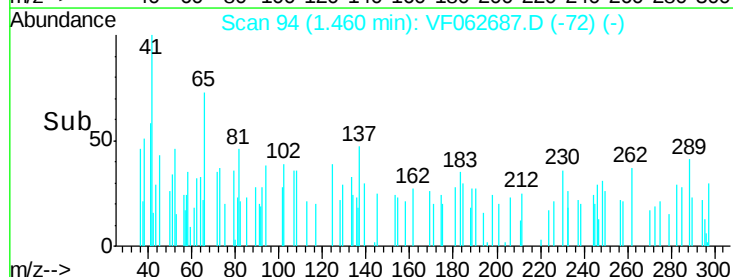
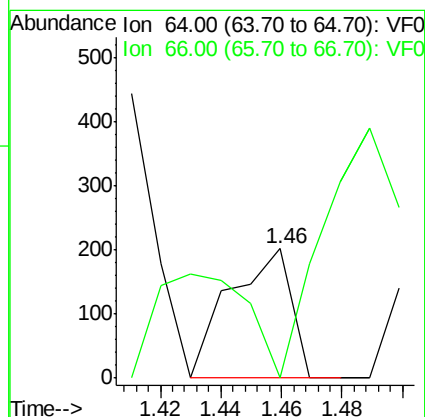
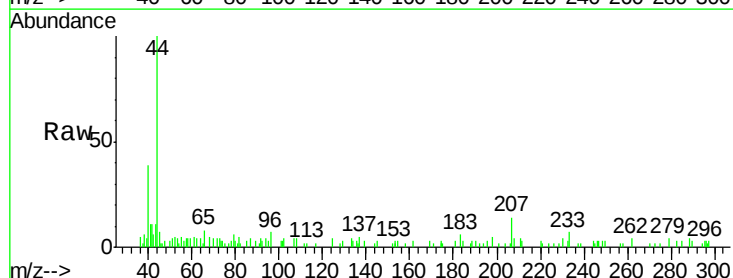
Acq: 21 May 2019 17:11

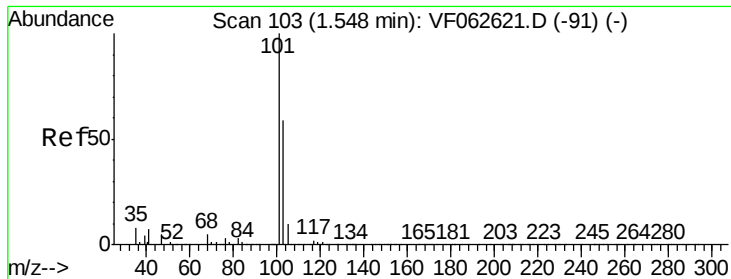
Tgt Ion: 64 Resp: 285

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



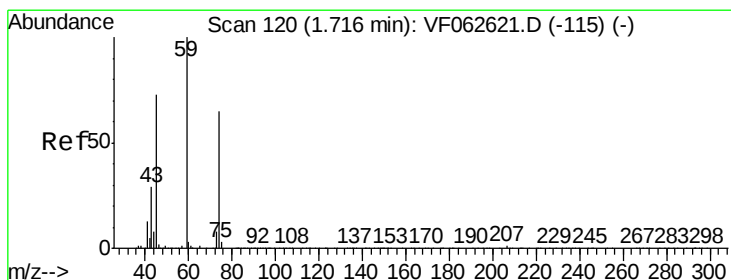
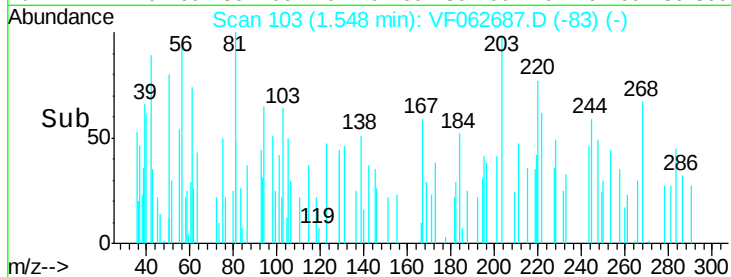
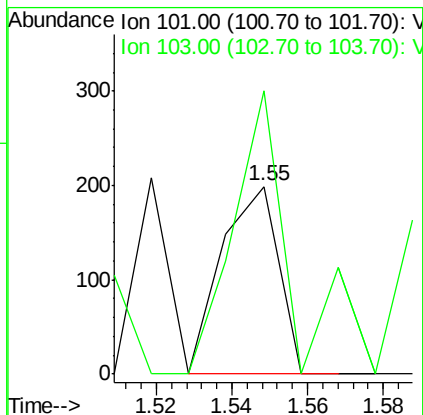


#7

Trichlorofluoromethane
 Concen: 11.206 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

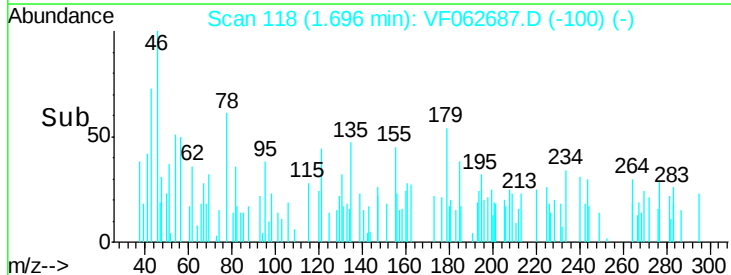
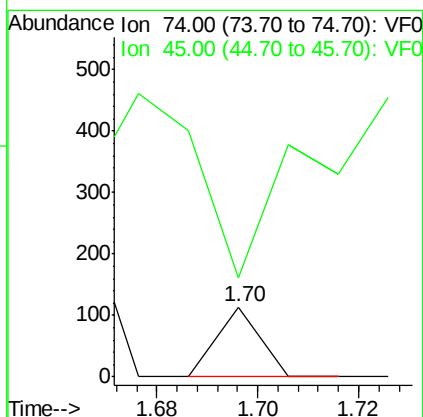
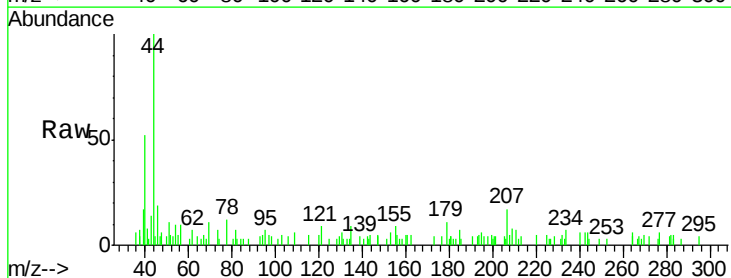
Tot Ion:101 Resp: 206
 Ion Ratio Lower Upper
 101 100
 103 150.8 47.3 70.9#

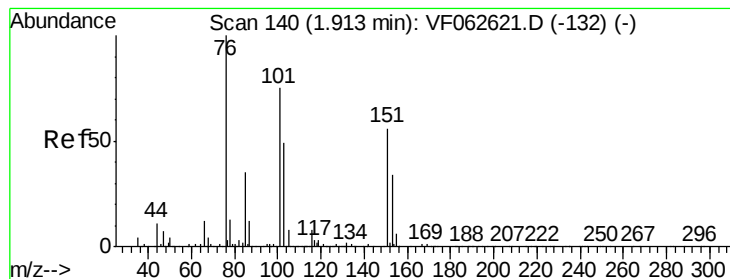


#8

Diethyl Ether
 Concen: 18.397 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.02 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion: 74 Resp: 67
 Ion Ratio Lower Upper
 74 100
 45 142.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.704 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

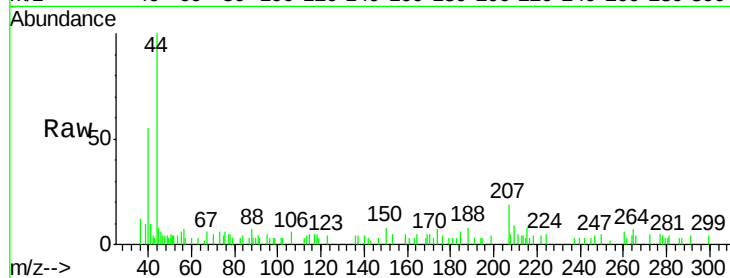
Tot Ion:101 Resp: 137

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

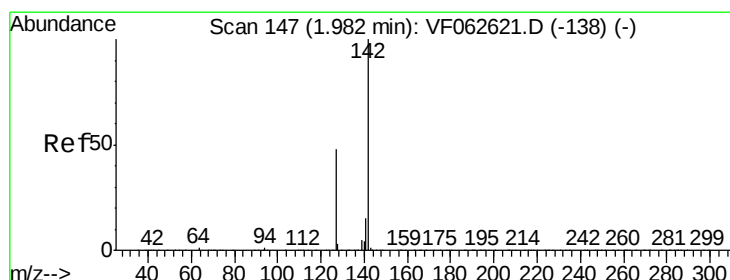
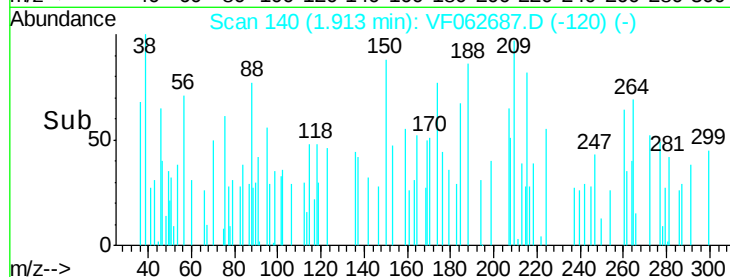
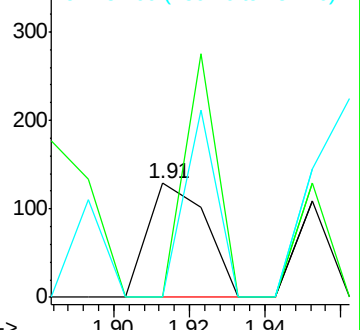
151 0.0 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 2.914 ug/l

RT: 2.01 min Scan# 150

Delta R.T. 0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

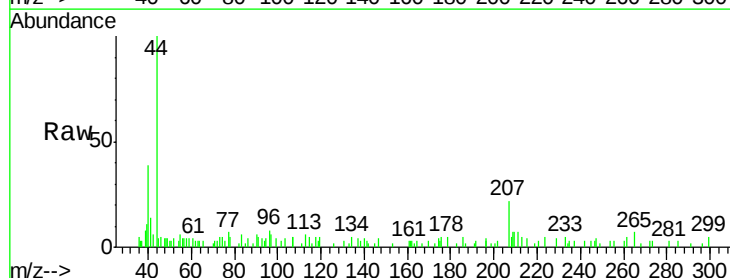
Tgt Ion:142 Resp: 67

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

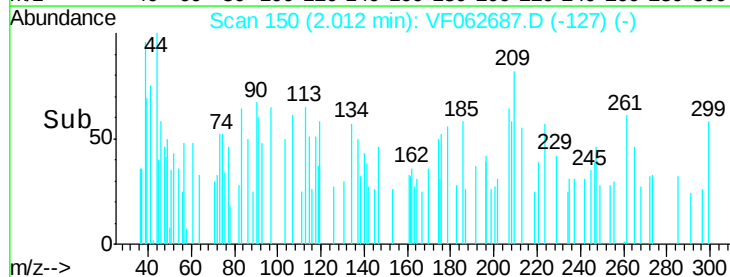
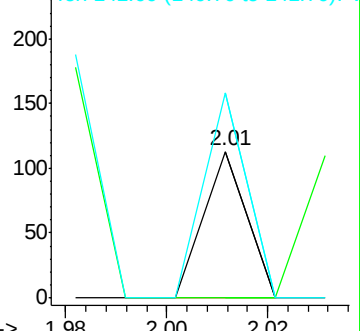
141 139.8 11.7 17.5#

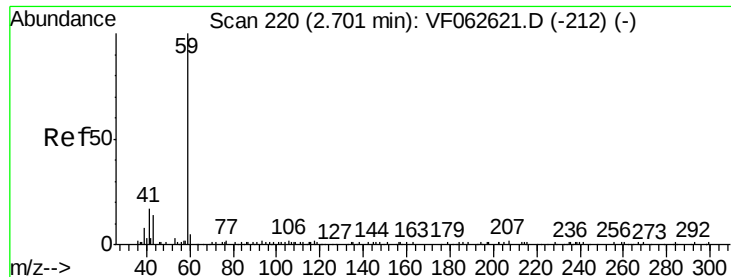


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

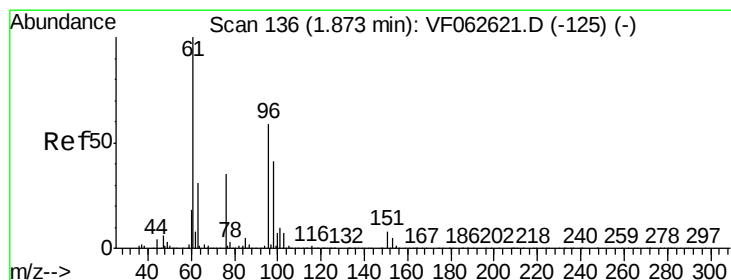
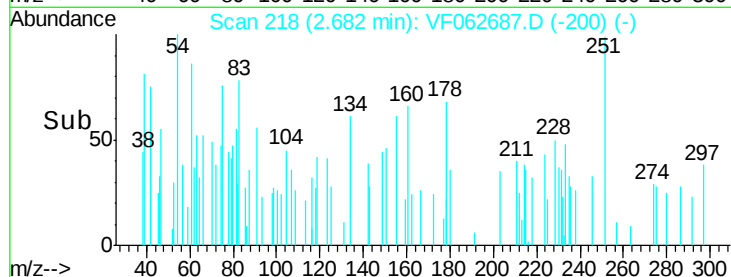
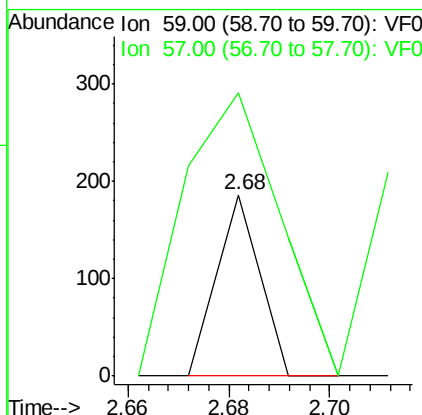
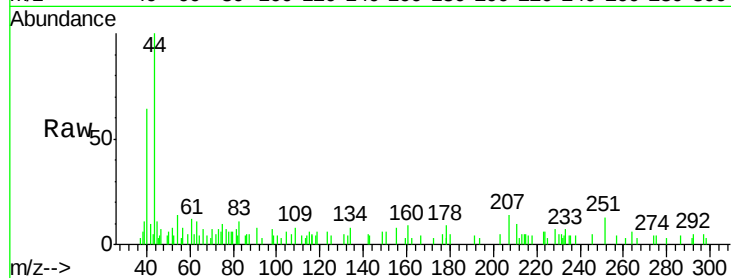




#11
Tert butyl alcohol
Concen: 198.636 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

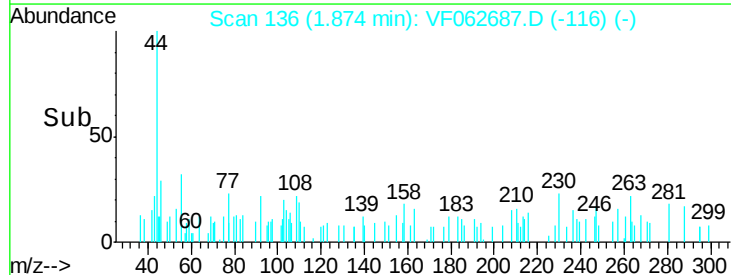
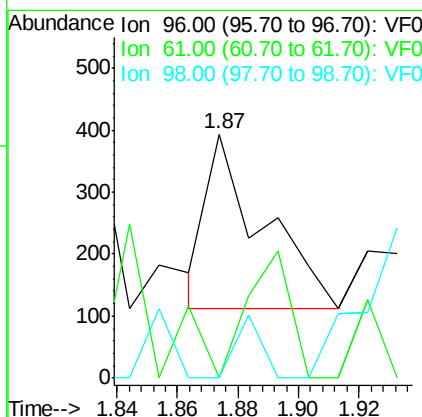
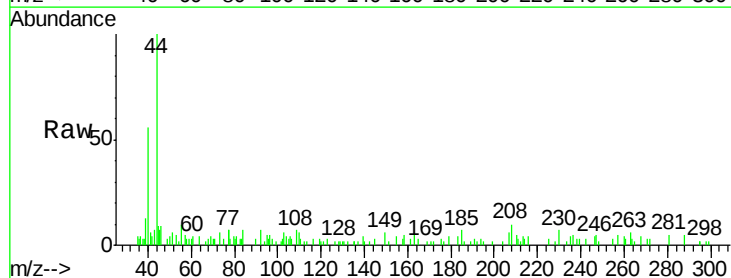
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

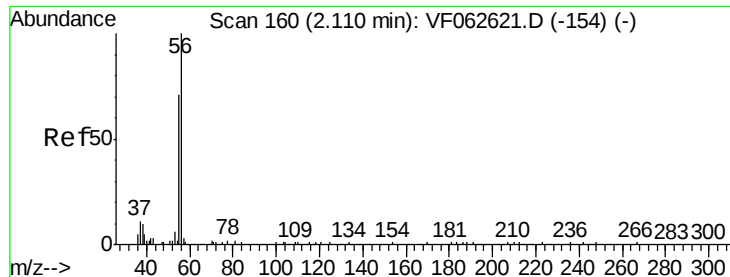
Tot Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 156.5 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 33.574 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 96 Resp: 358
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 0.0 55.0 82.6#





#13

Acrolein

Concen: 1262.833 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

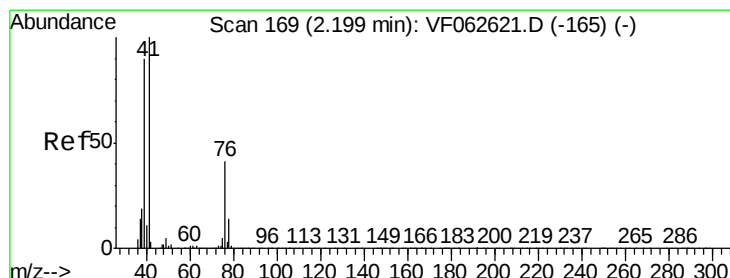
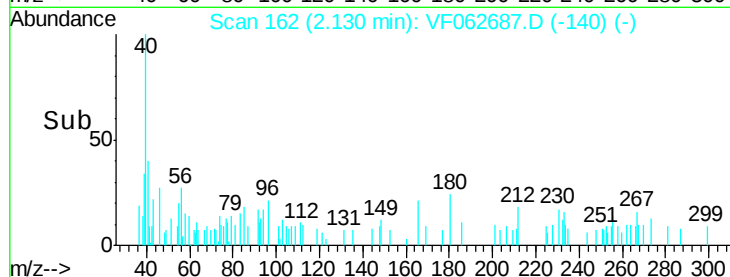
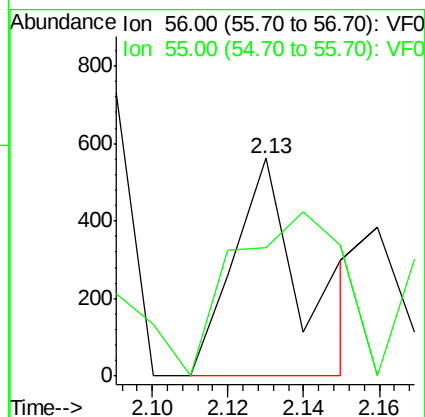
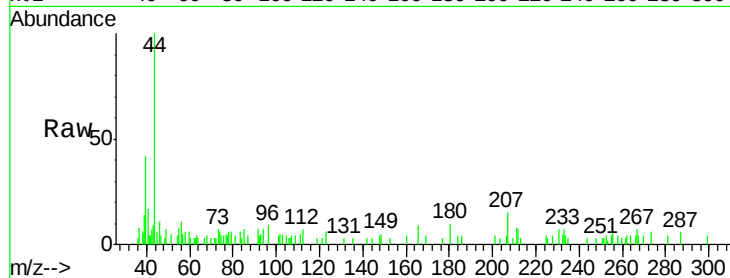
SUP-2A-G-2-052019

Tot Ion: 56 Resp: 730

Ion Ratio Lower Upper

56 100

55 59.4 59.4 89.0#



#14

Allyl chloride

Concen: 116.364 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

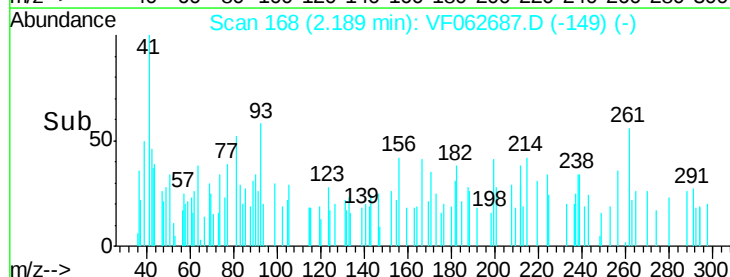
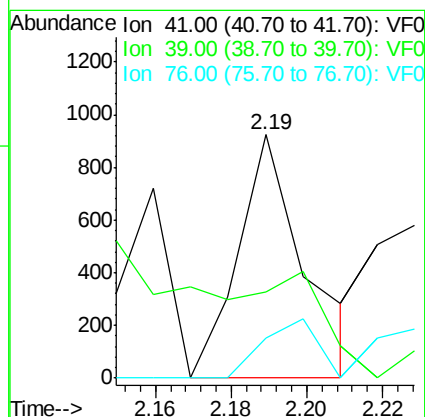
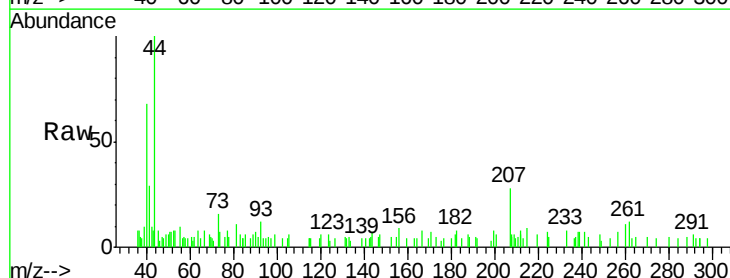
Tgt Ion: 41 Resp: 1123

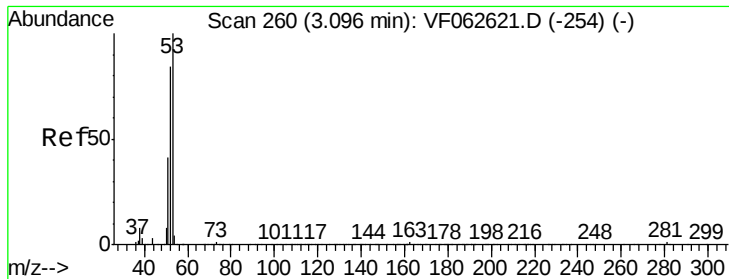
Ion Ratio Lower Upper

41 100

39 35.3 72.0 108.0#

76 16.6 34.8 52.2#





#15

Acrylonitrile

Concen: 669.607 ug/l

RT: 3.16 min Scan# 267

Delta R.T. 0.07 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

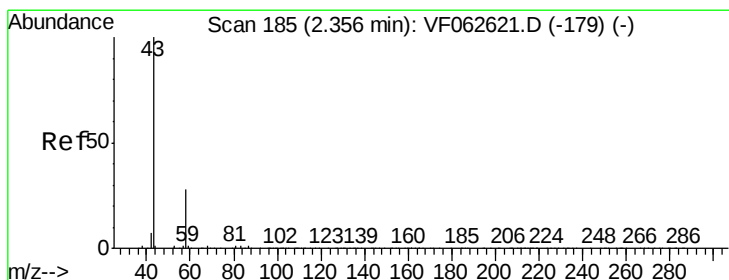
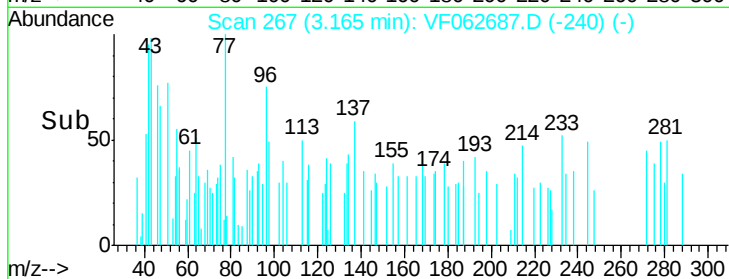
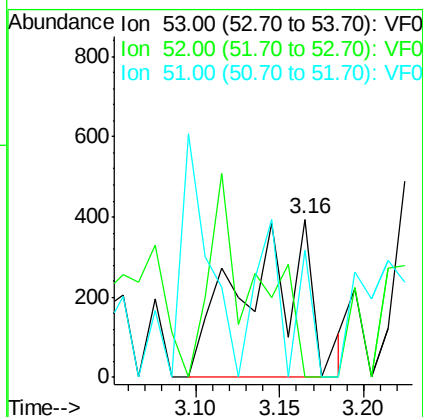
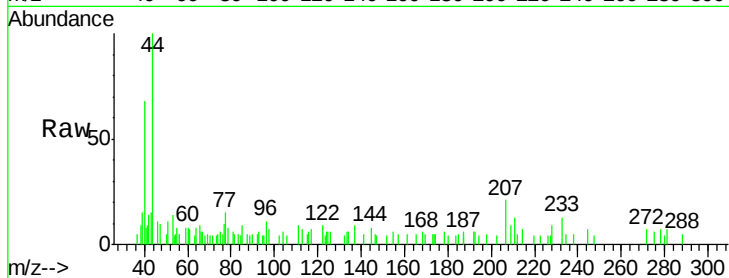
Tot Ion: 53 Resp: 1046

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 63.5 33.0 49.6#



#16

Acetone

Concen: 523.873 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.06 min

Lab File: VF062687.D

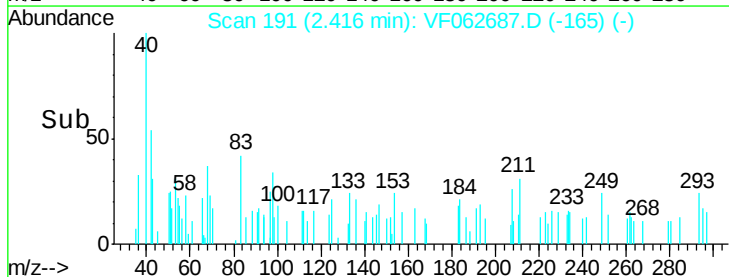
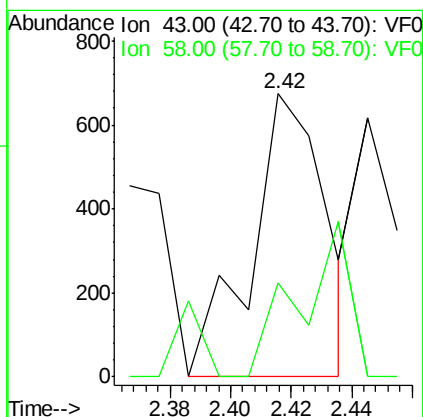
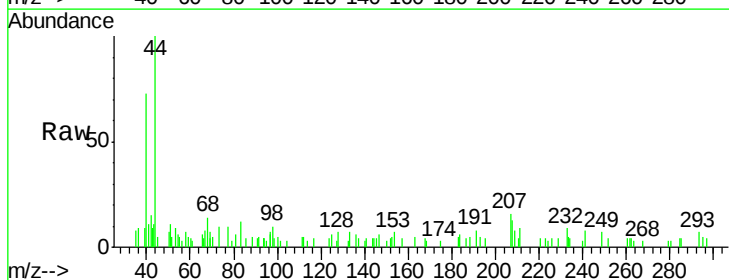
Acq: 21 May 2019 17:11

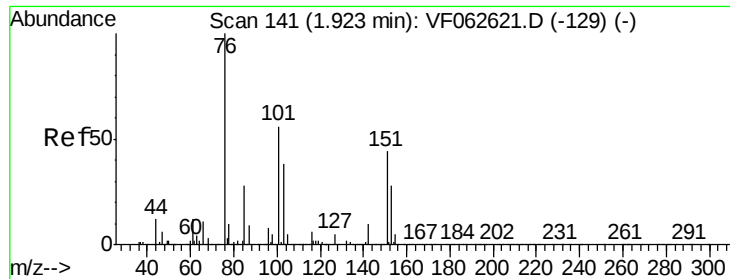
Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

58 33.1 22.6 33.8

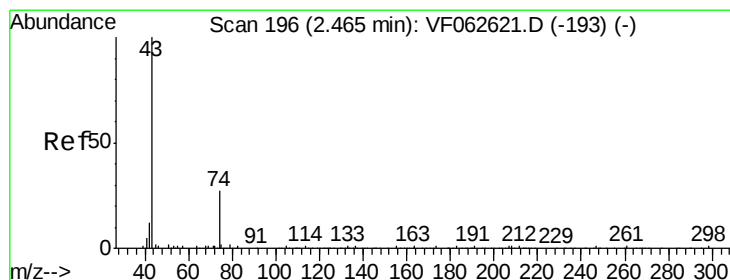
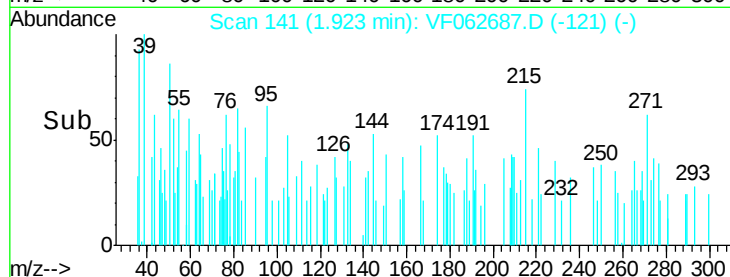
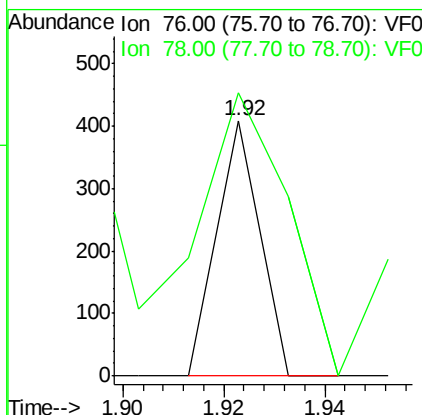
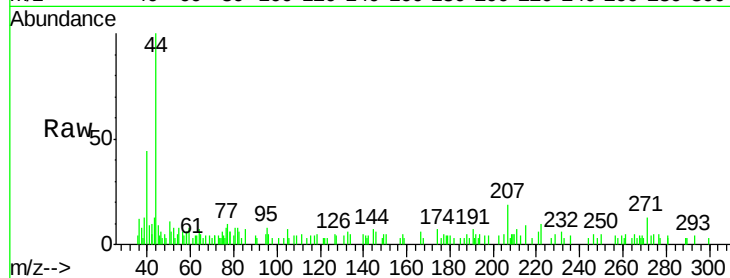




#17
Carbon Disulfide
Concen: 7.657 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

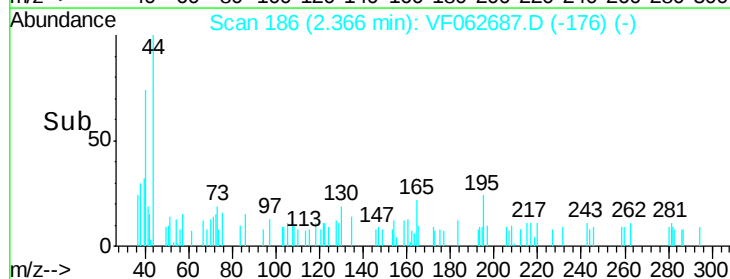
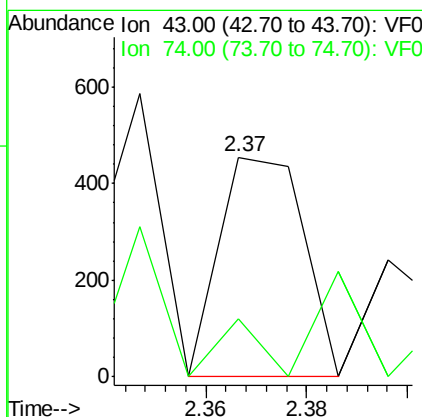
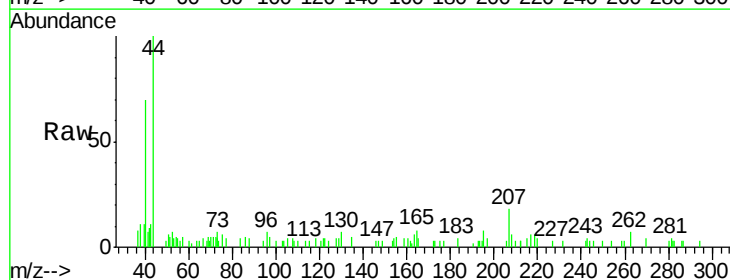
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

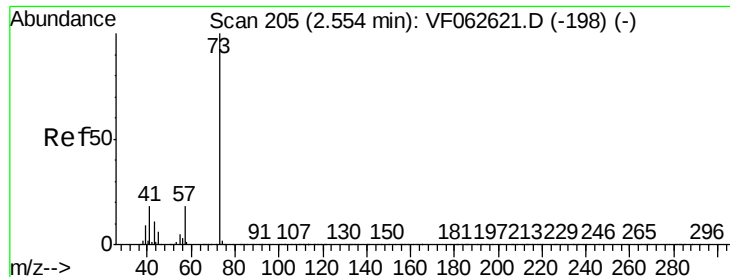
Tot Ion: 76 Resp: 242
Ion Ratio Lower Upper
76 100
78 110.8 8.4 12.6#



#18
Methyl Acetate
Concen: 154.112 ug/l
RT: 2.37 min Scan# 186
Delta R.T. -0.10 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
74 26.4 18.9 28.3

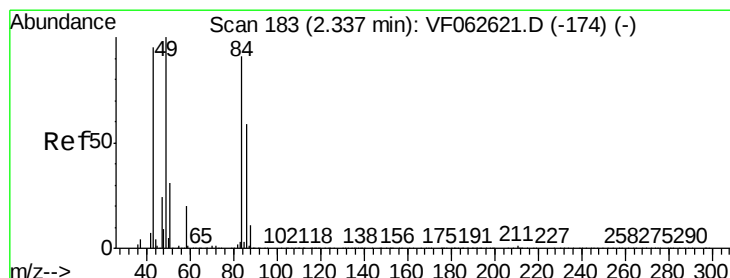
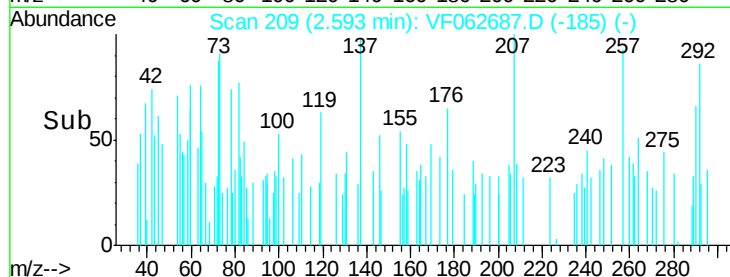
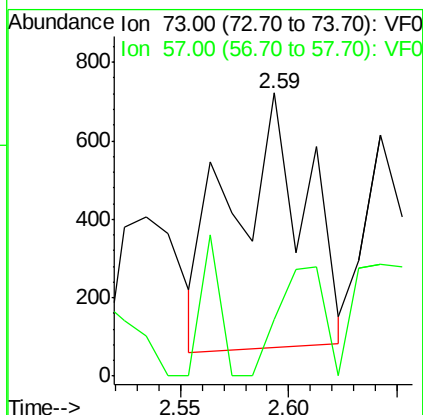
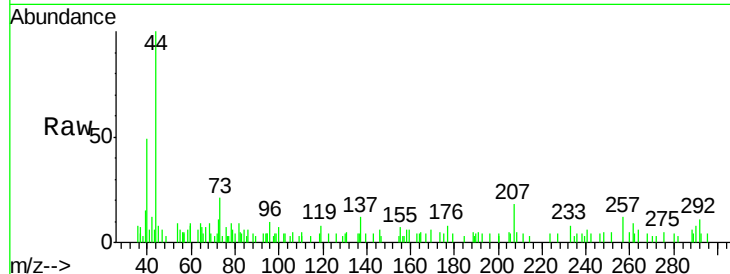




#19
Methyl tert-butyl Ether
Concen: 79.950 ug/l
RT: 2.59 min Scan# 209
Delta R.T. 0.04 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

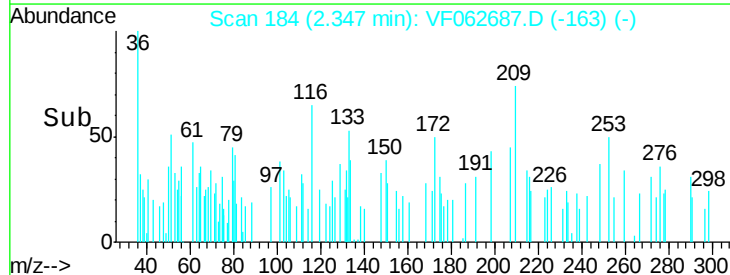
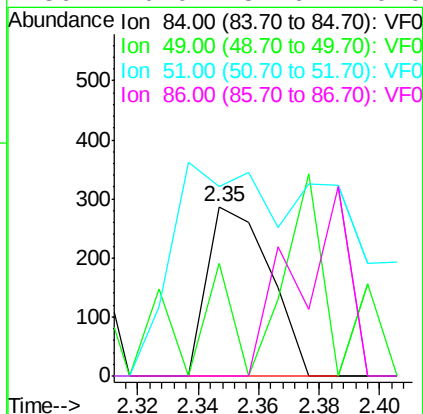
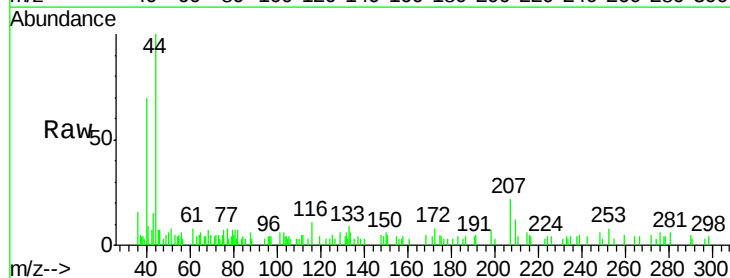
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

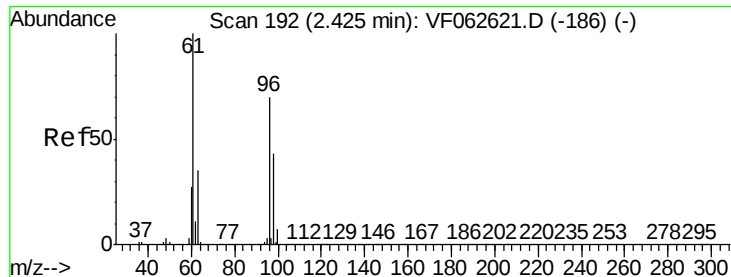
Tot Ion: 73 Resp: 1524
Ion Ratio Lower Upper
73 100
57 19.9 14.2 21.4



#20
Methylene Chloride
Concen: 37.864 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 84 Resp: 413
Ion Ratio Lower Upper
84 100
49 66.2 89.8 134.8#
51 111.8 28.4 42.6#
86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 31.759 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

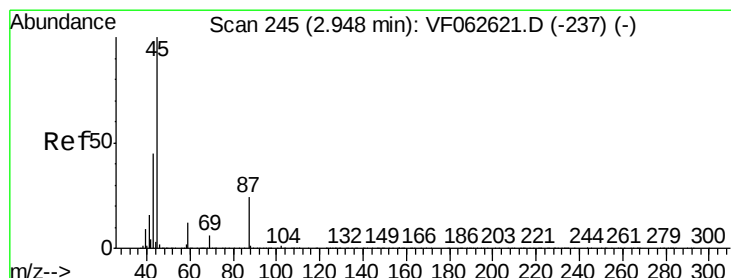
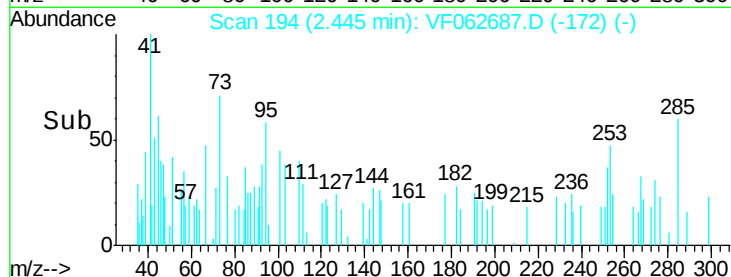
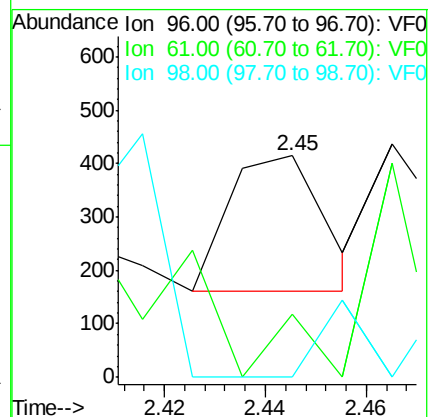
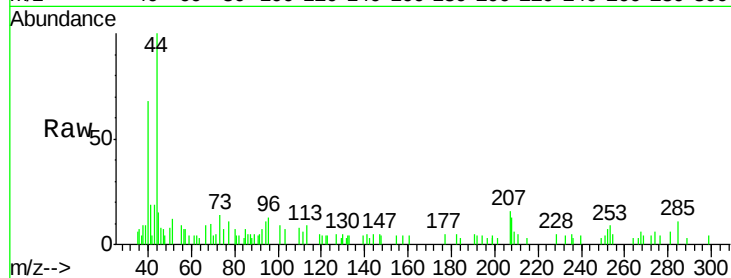
Tot Ion: 96 Resp: 331

Ion Ratio Lower Upper

96 100

61 28.2 114.6 171.8#

98 0.0 49.5 74.3#



#22

Diisopropyl ether

Concen: 15.293 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Tgt Ion: 45 Resp: 364

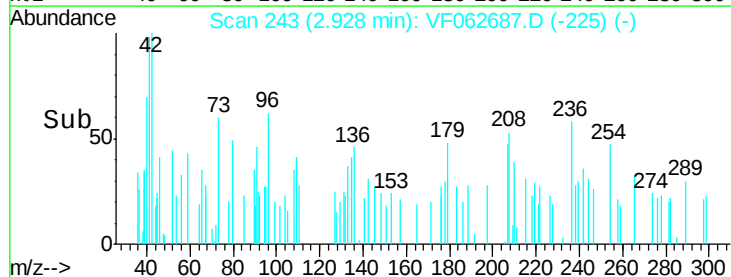
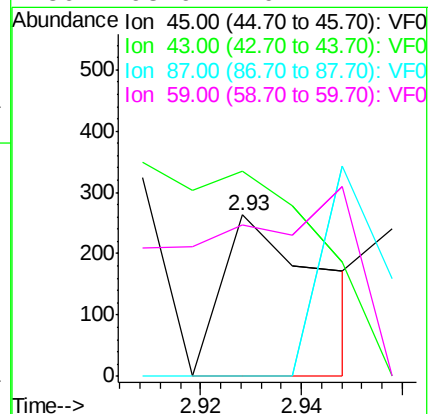
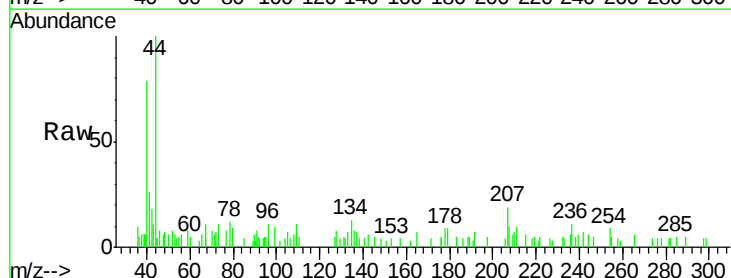
Ion Ratio Lower Upper

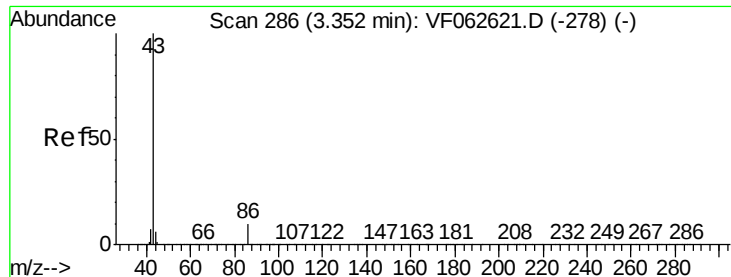
45 100

43 127.4 36.4 54.6#

87 0.0 19.3 28.9#

59 93.9 9.4 14.2#





#23

Vinyl Acetate

Concen: 50.945 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

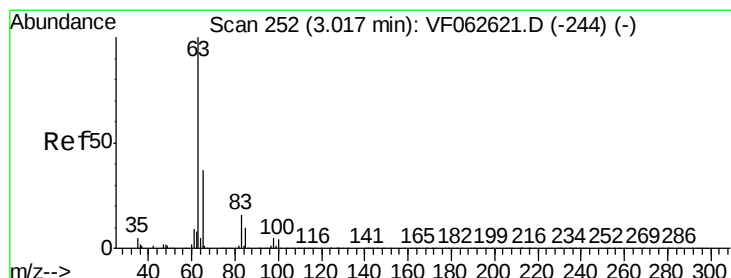
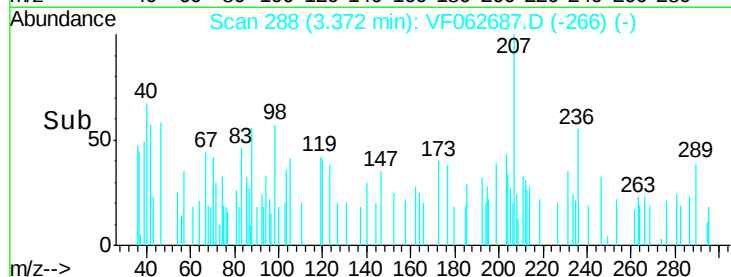
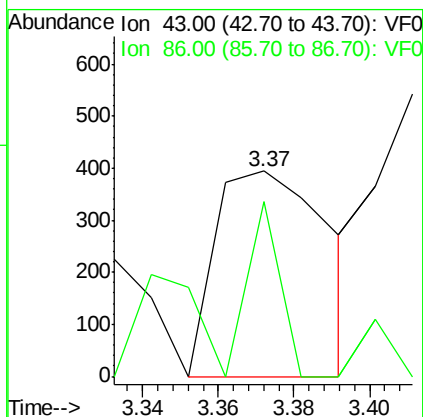
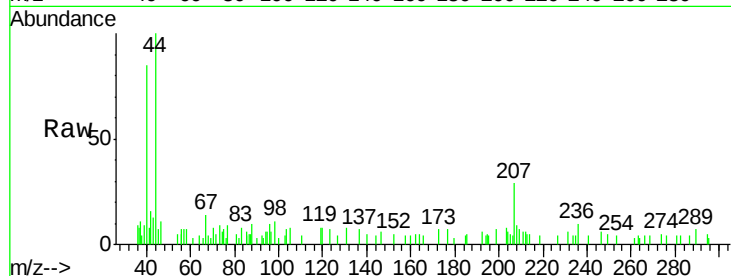
SUP-2A-G-2-052019

Tot Ion: 43 Resp: 818

Ion Ratio Lower Upper

43 100

86 85.3 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 42.780 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

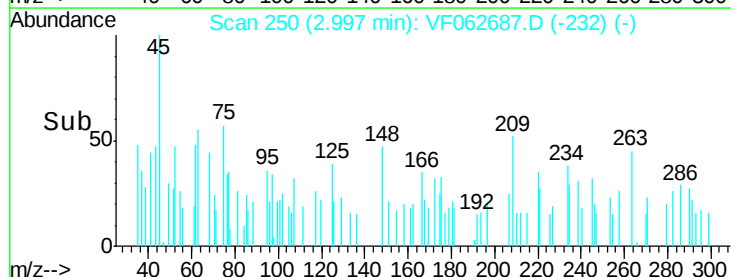
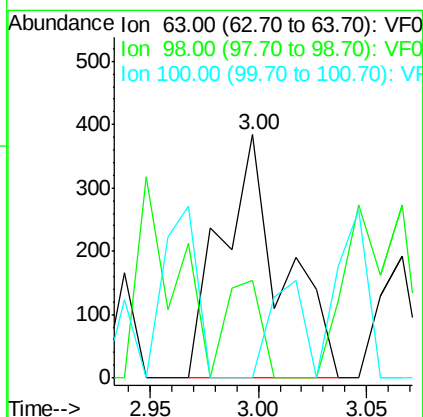
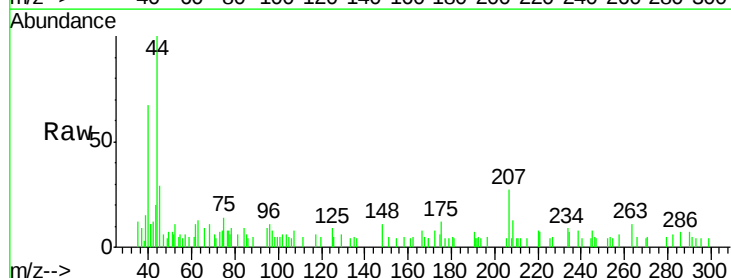
Tgt Ion: 63 Resp: 747

Ion Ratio Lower Upper

63 100

98 40.1 2.8 8.3#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 243.266 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.04 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

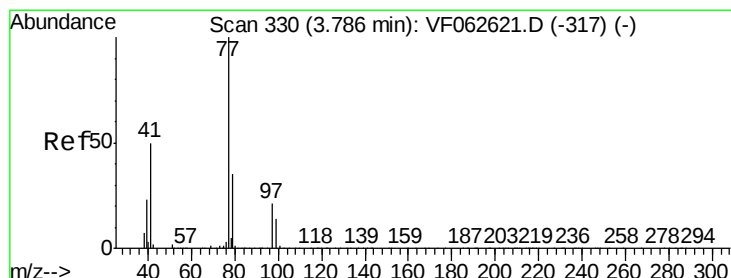
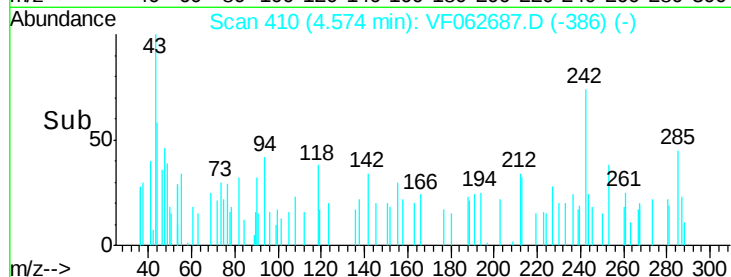
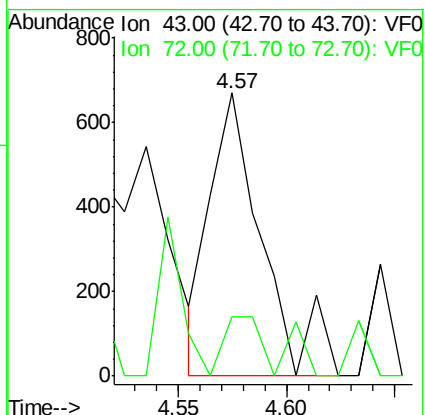
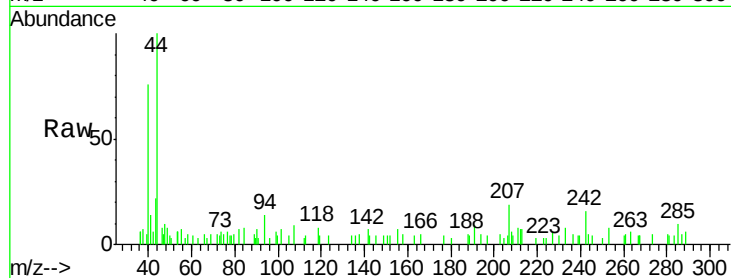
SUP-2A-G-2-052019

Tot Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

72 21.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 212.996 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062687.D

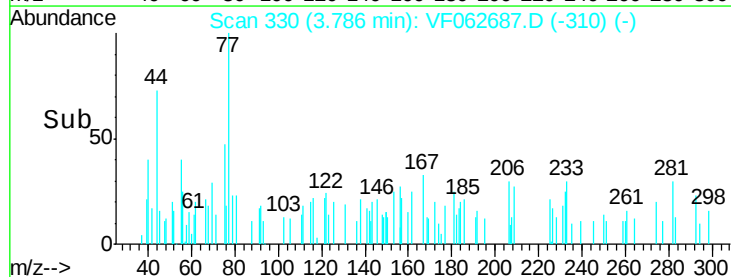
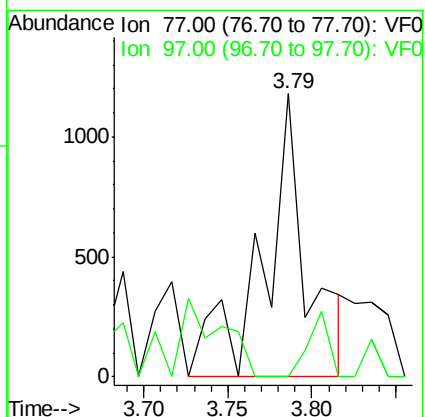
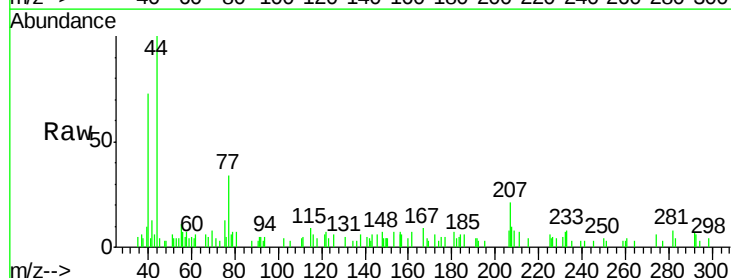
Acq: 21 May 2019 17:11

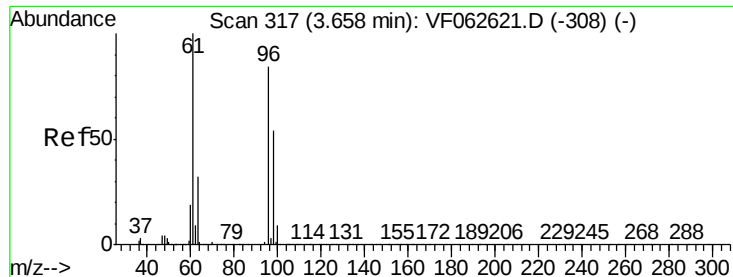
Tgt Ion: 77 Resp: 2128

Ion Ratio Lower Upper

77 100

97 0.0 14.1 42.4#



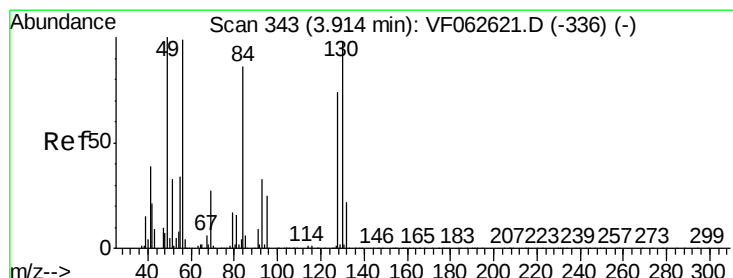
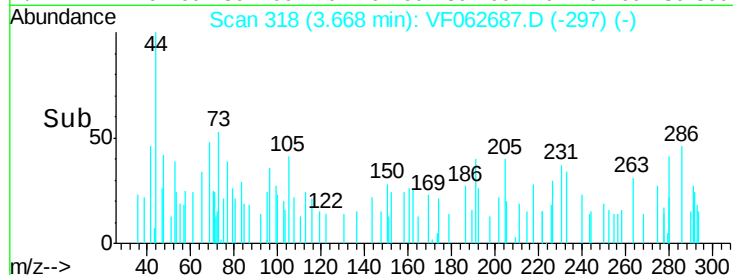
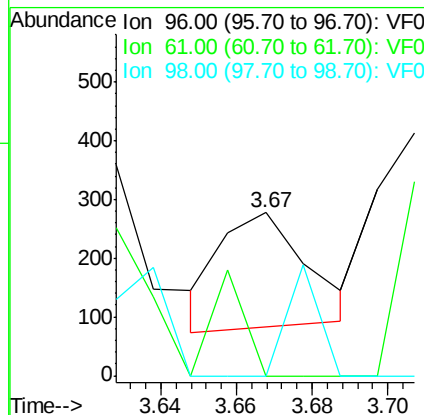
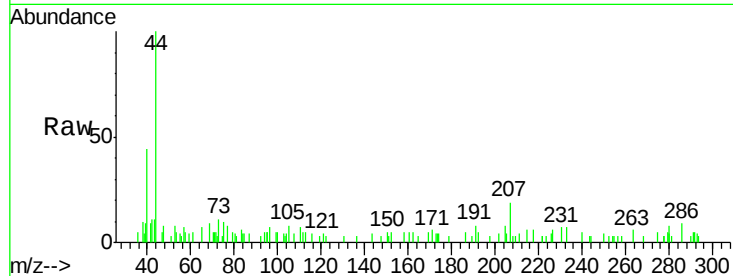


#27

cis-1,2-Dichloroethene
 Concen: 18.024 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

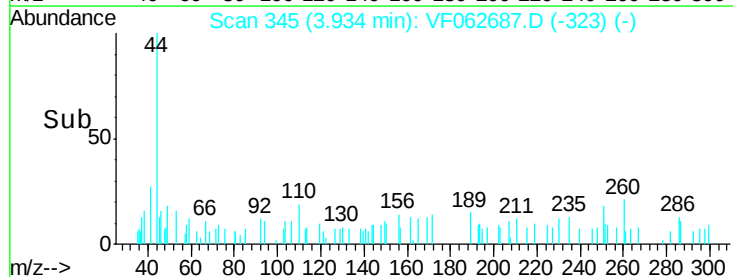
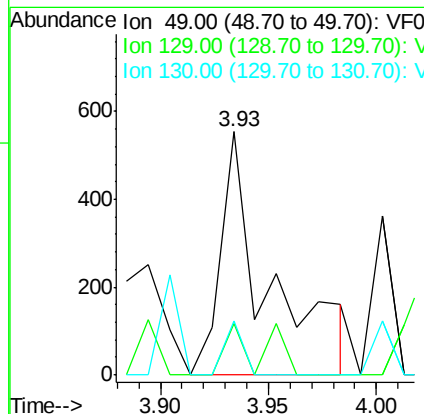
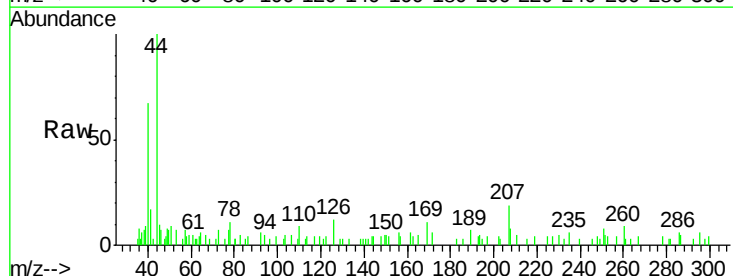
Tot Ion: 96 Resp: 309
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 237.4
 98 0.0 0.0 129.0

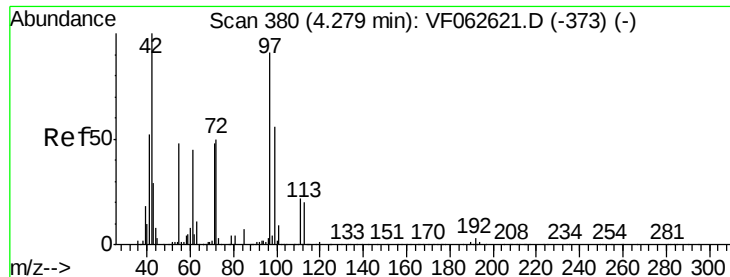


#28

Bromochloromethane
 Concen: 87.918 ug/l
 RT: 3.93 min Scan# 345
 Delta R.T. 0.02 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion: 49 Resp: 861
 Ion Ratio Lower Upper
 49 100
 129 21.3 0.0 4.0#
 130 22.4 77.8 116.8#

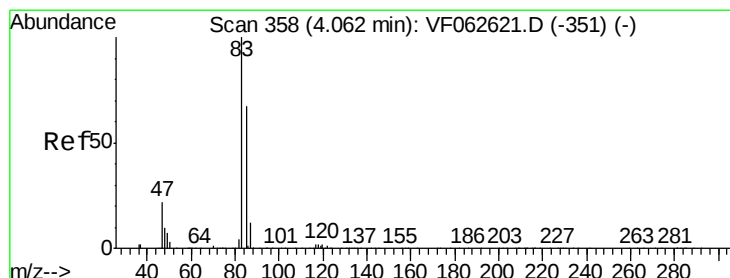
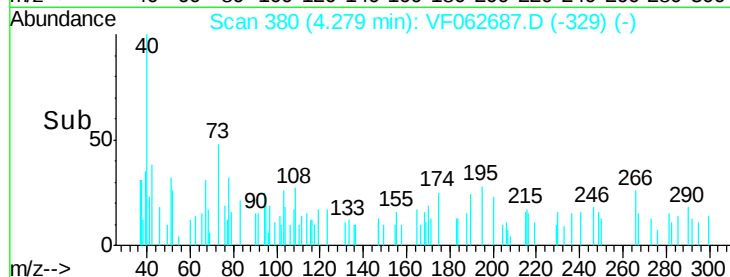
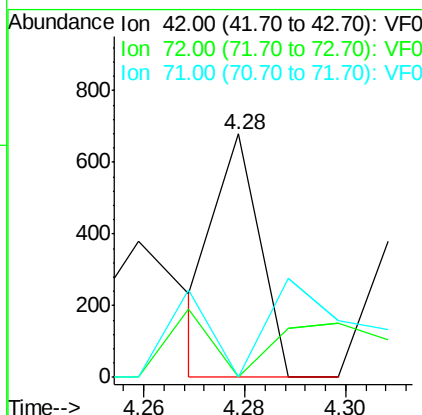
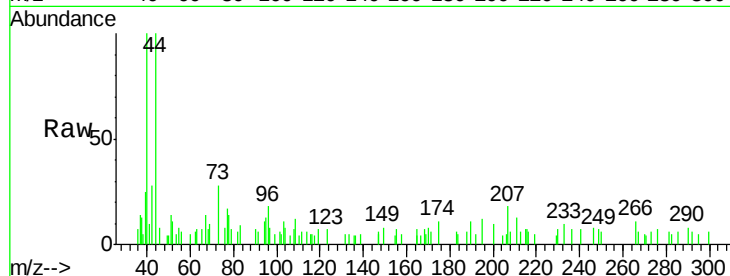




#29
Tetrahydrofuran
Concen: 213.673 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

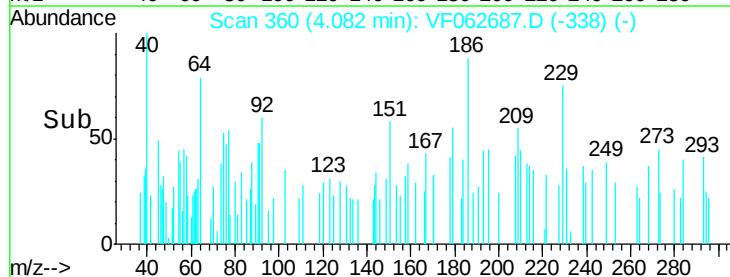
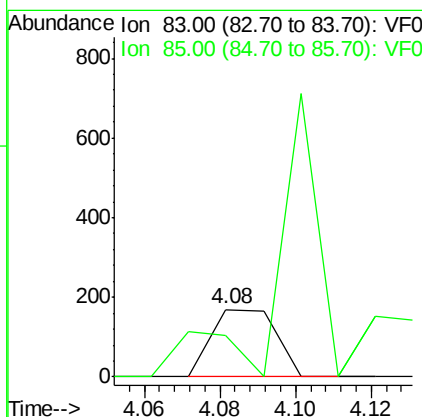
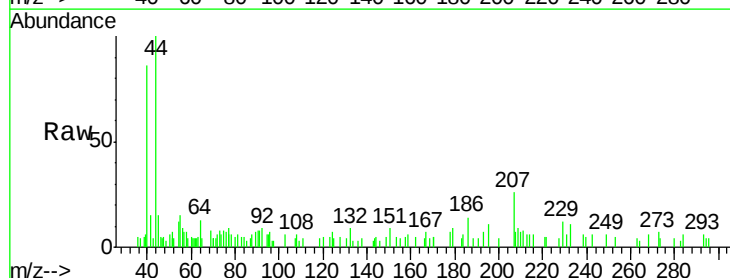
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

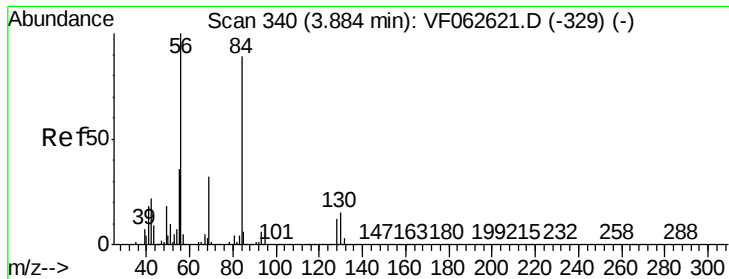
Tot Ion: 42 Resp: 402
Ion Ratio Lower Upper
42 100
72 57.7 38.2 57.2#
71 136.3 35.8 53.6#



#30
Chloroform
Concen: 8.167 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 83 Resp: 198
Ion Ratio Lower Upper
83 100
85 61.8 53.6 80.4

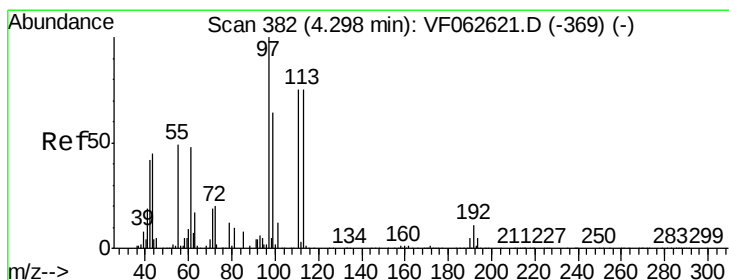
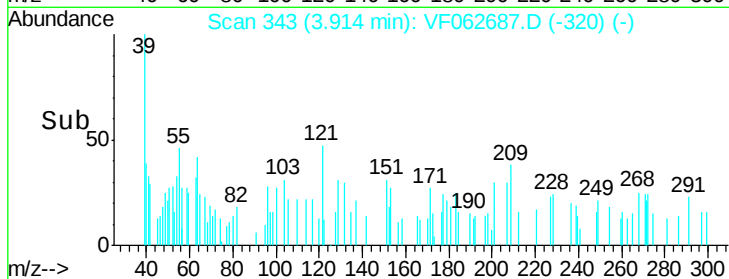
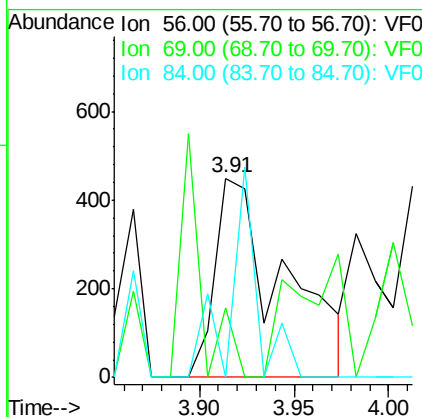
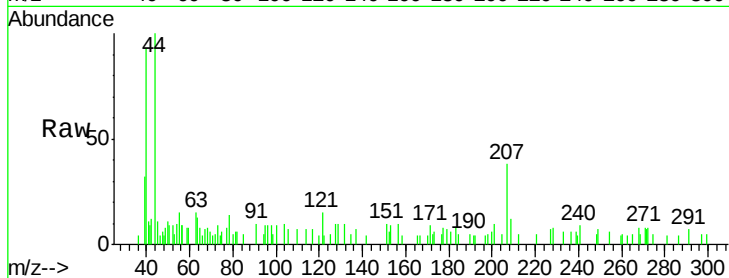




#31
Cyclohexane
Concen: 47.941 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

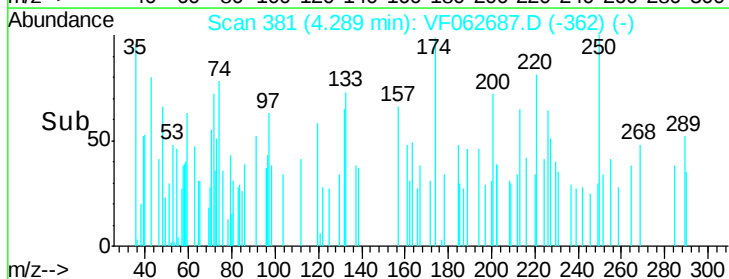
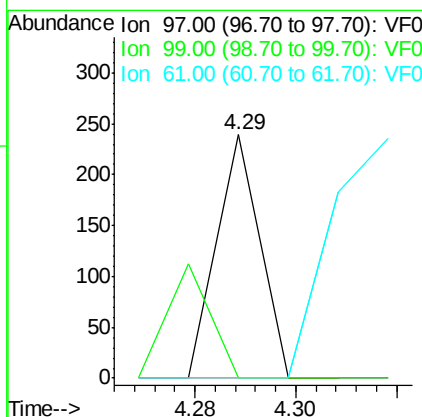
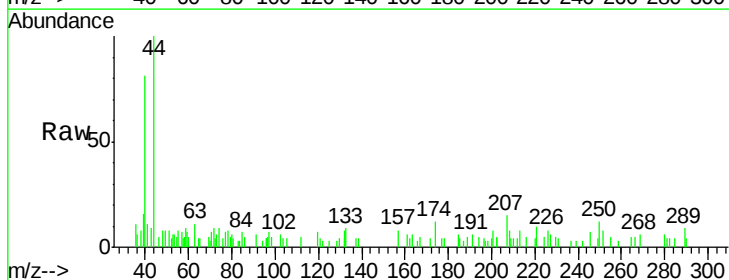
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

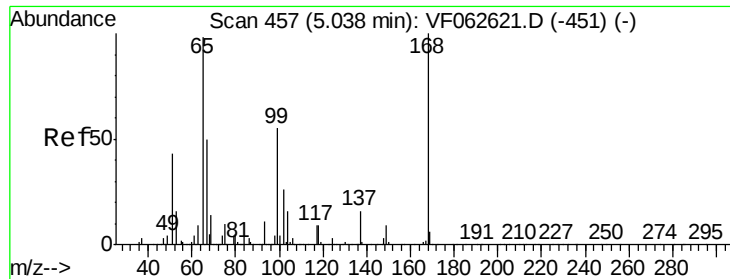
Tot Ion: 56 Resp: 1124
Ion Ratio Lower Upper
56 100
69 35.1 25.3 37.9
84 0.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 8.757 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 97 Resp: 141
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 88.222 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

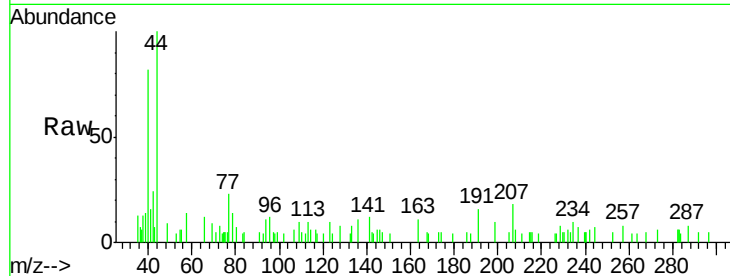
SUP-2A-G-2-052019

Tot Ion: 65 Resp: 740

Ion Ratio Lower Upper

65 100

67 0.0 0.0 117.6



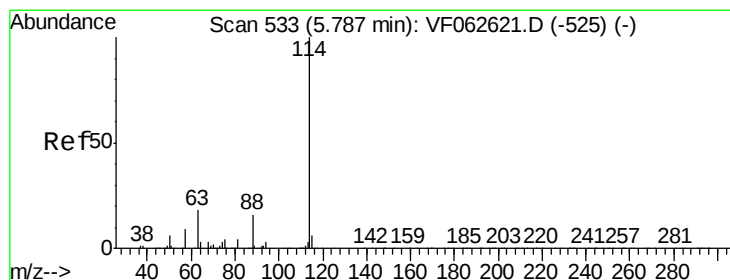
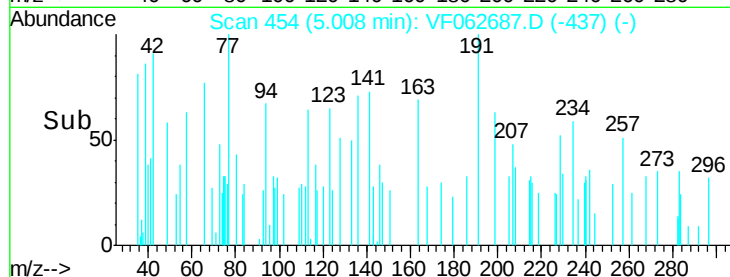
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

5.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.90 min Scan# 544

Delta R.T. 0.11 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

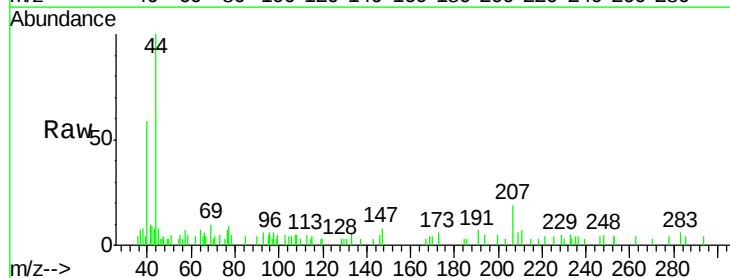
Tgt Ion: 114 Resp: 62

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

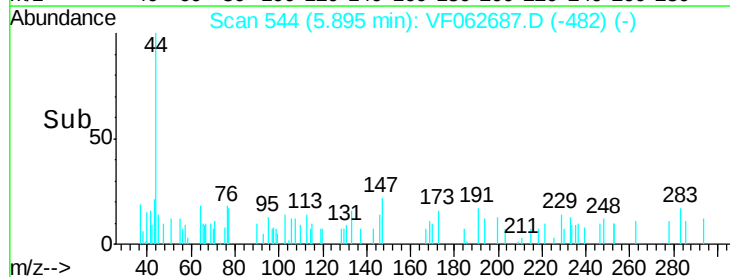
Ion 63.00 (62.70 to 63.70): VF0

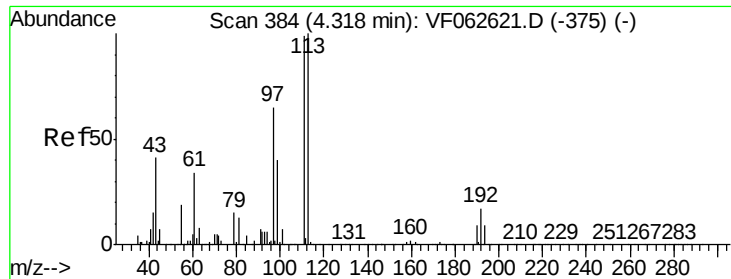
Ion 88.00 (87.70 to 88.70): VF0

5.90

5.92

Time-->

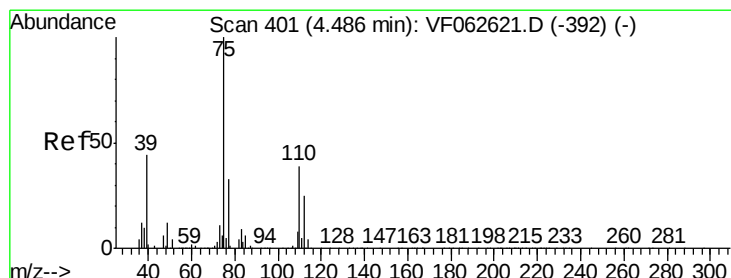
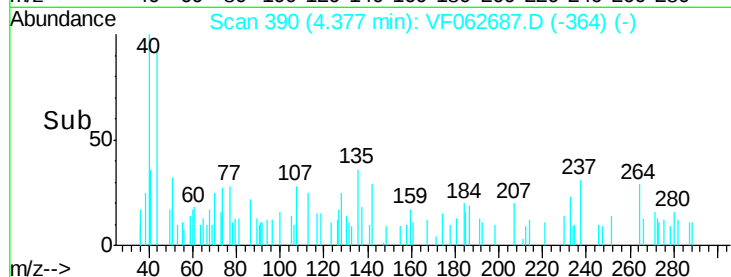
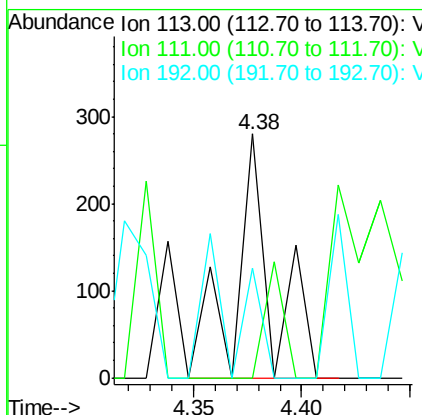
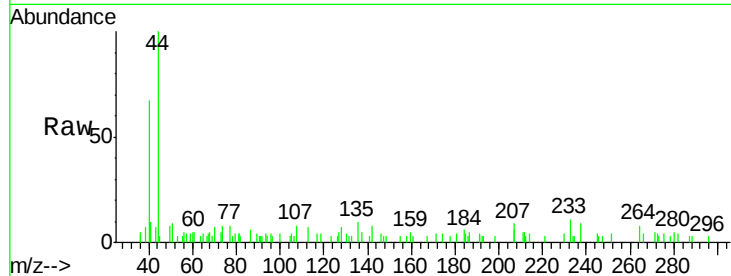




#35
 Dibromofluoromethane
 Concen: 699.793 ug/l
 RT: 4.38 min Scan# 390
 Delta R.T. 0.06 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

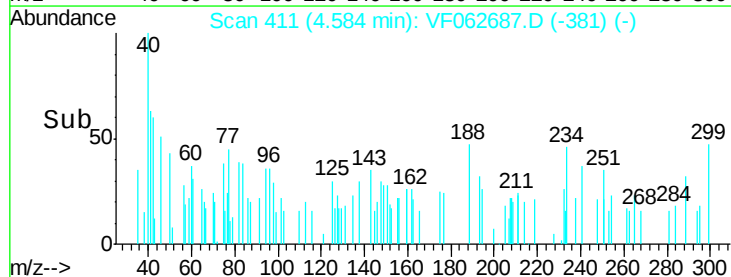
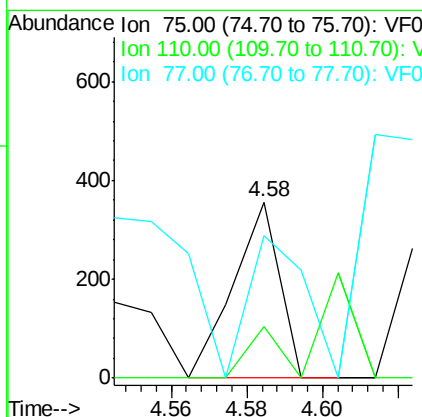
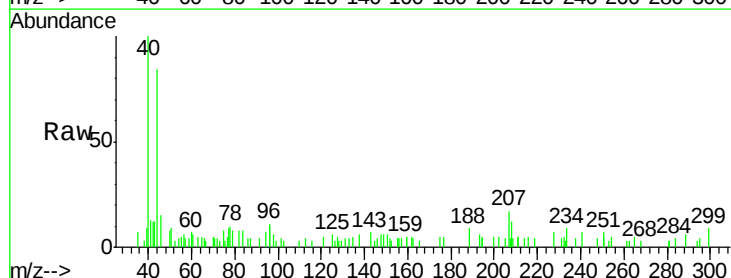
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

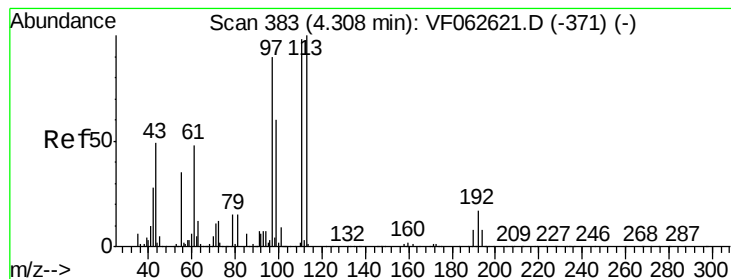
Tot Ion: 113 Resp: 332
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.4 119.2#
 192 45.0 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 470.638 ug/l
 RT: 4.58 min Scan# 411
 Delta R.T. 0.10 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion: 75 Resp: 299
 Ion Ratio Lower Upper
 75 100
 110 29.2 19.7 59.1
 77 81.2 26.3 39.5#





#37

Ethyl Acetate

Concen: 1106.410 ug/l

RT: 4.40 min Scan# 392

Delta R.T. 0.09 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

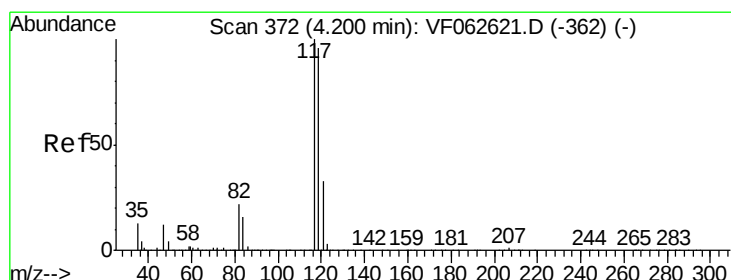
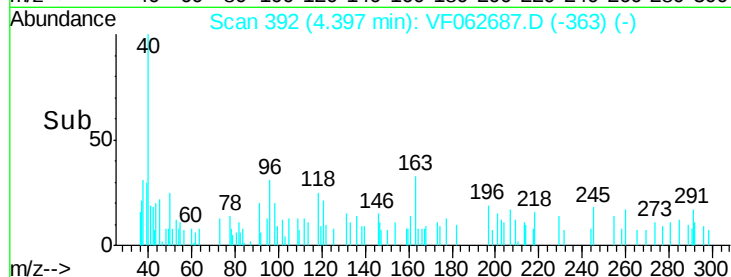
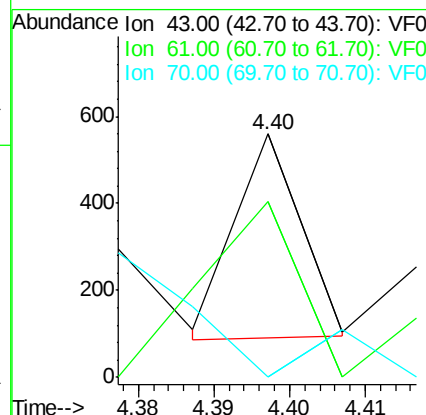
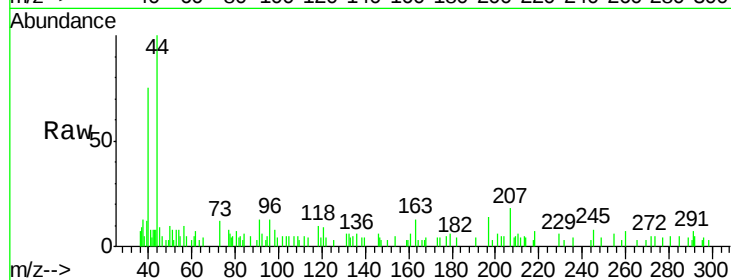
Tot Ion: 43 Resp: 287

Ion Ratio Lower Upper

43 100

61 72.3 76.9 115.3#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 265.801 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.10 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

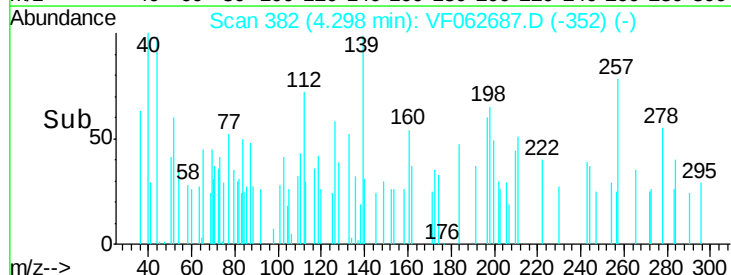
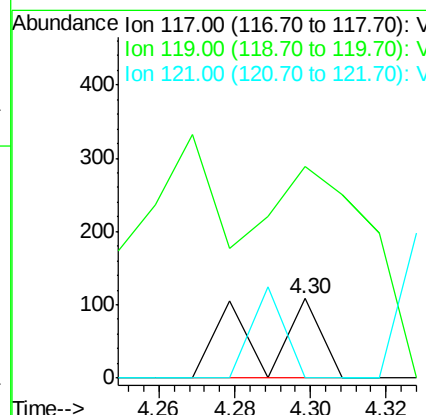
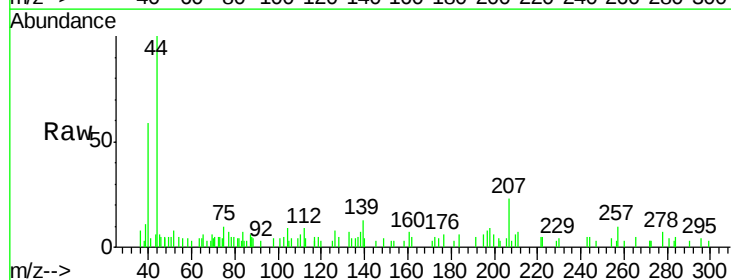
Tgt Ion: 117 Resp: 127

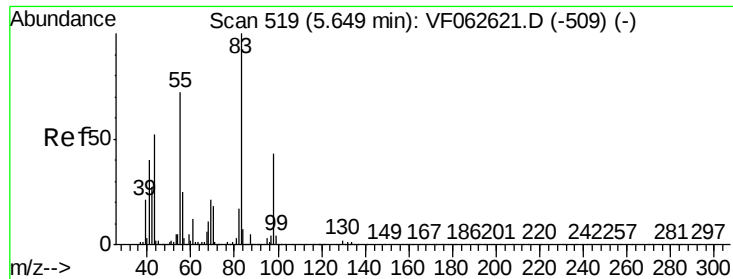
Ion Ratio Lower Upper

117 100

119 266.7 76.7 115.1#

121 0.0 26.6 40.0#

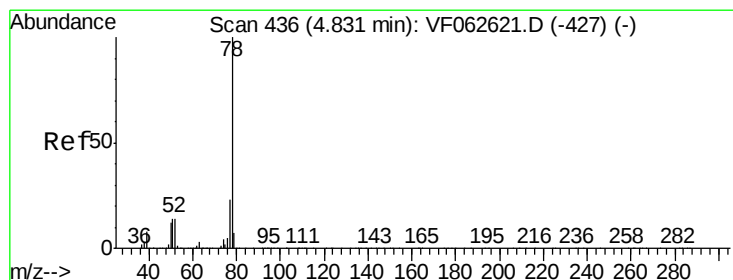
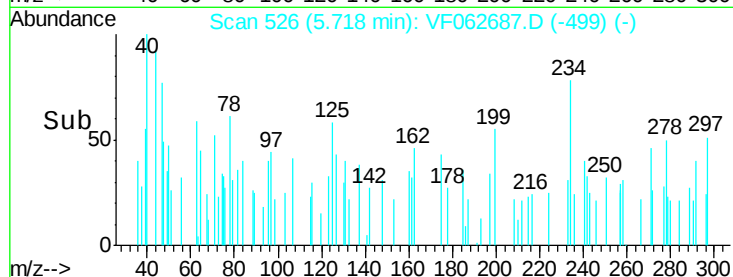
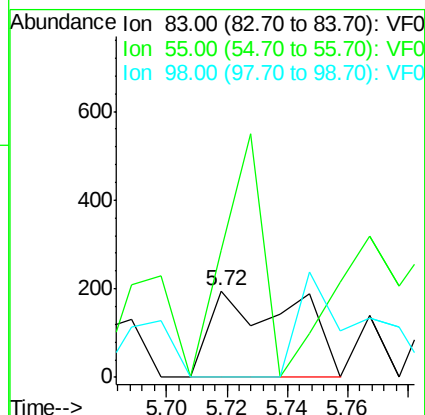
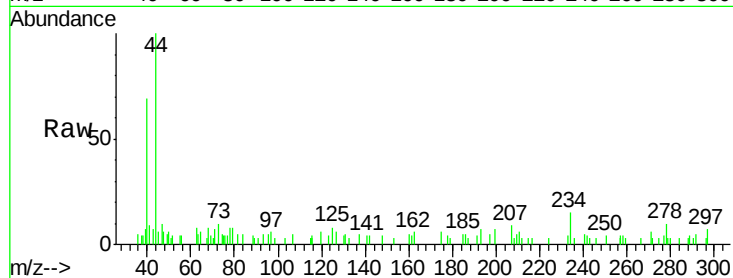




#39
Methvlcvclohexane
Concen: 501.023 ug/l
RT: 5.72 min Scan# 526
Delta R.T. 0.07 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

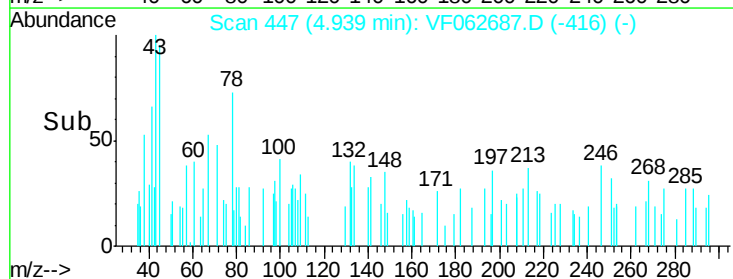
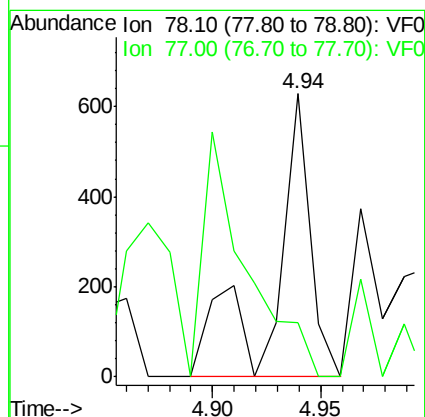
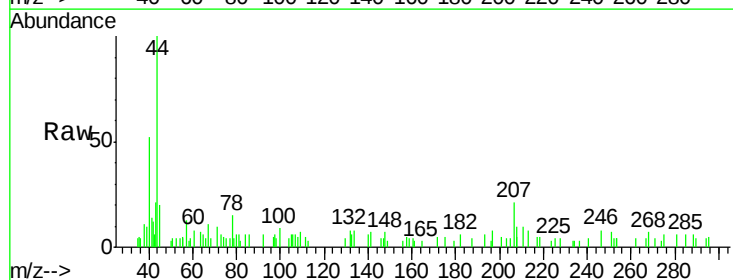
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

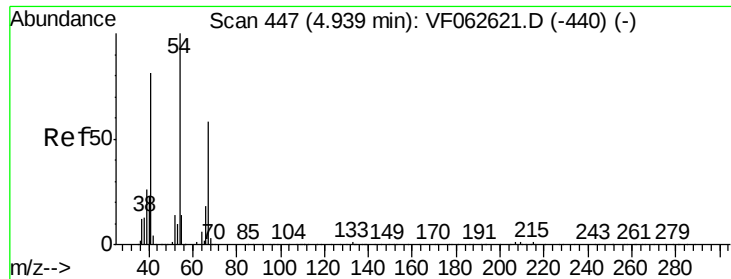
Tot Ion: 83 Resp: 383
Ion Ratio Lower Upper
83 100
55 145.9 57.9 86.9#
98 54.1 34.6 52.0#



#40
Benzene
Concen: 422.937 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.11 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 78 Resp: 732
Ion Ratio Lower Upper
78 100
77 19.3 18.2 27.2

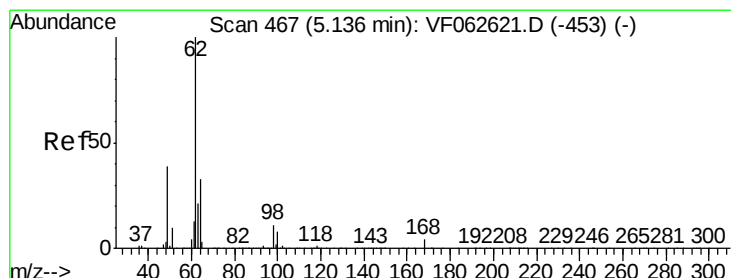
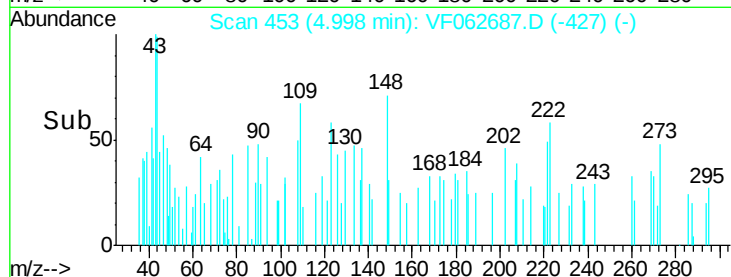
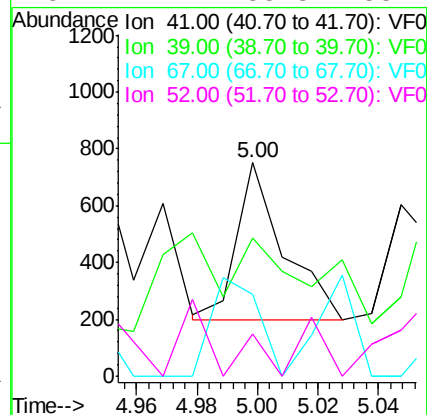




#41
Methacrylonitrile
Concen: 4397.223 ug/l
RT: 5.00 min Scan# 453
Delta R.T. 0.06 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

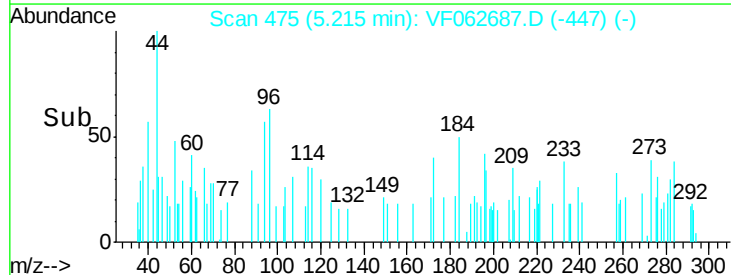
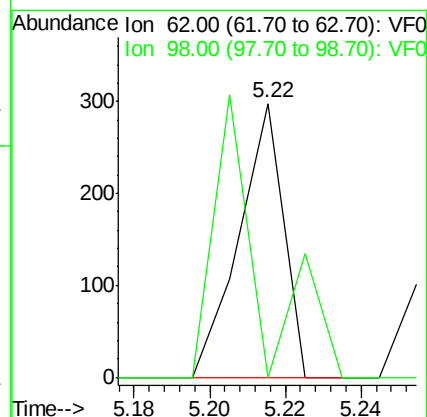
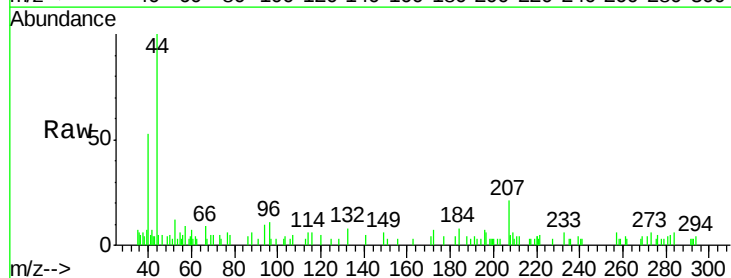
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

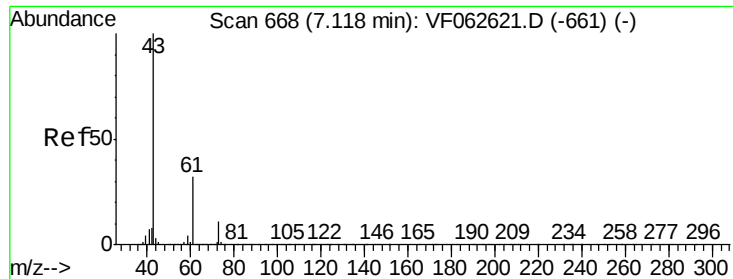
Tot Ion:	41	Resp:	598
Ion	Ratio	Lower	Upper
41	100		
39	46.2	42.2	63.2
67	27.2	56.4	84.6#
52	14.1	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 692.473 ug/l
RT: 5.22 min Scan# 475
Delta R.T. 0.08 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion:	62	Resp:	239
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



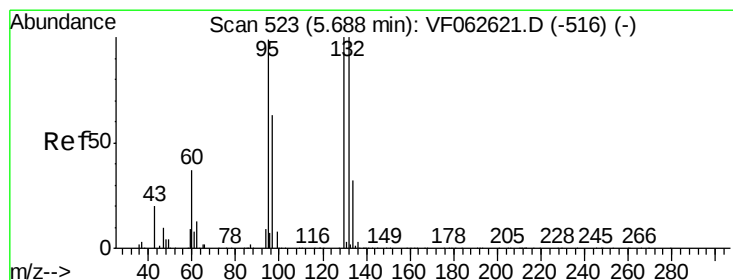
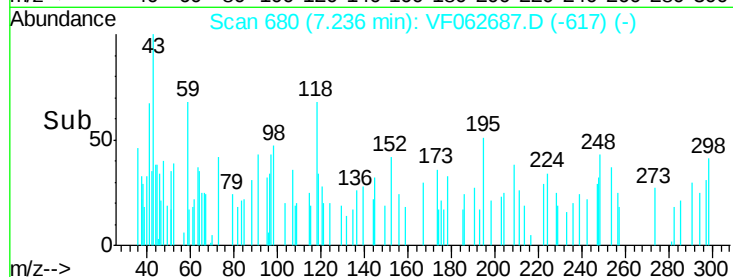
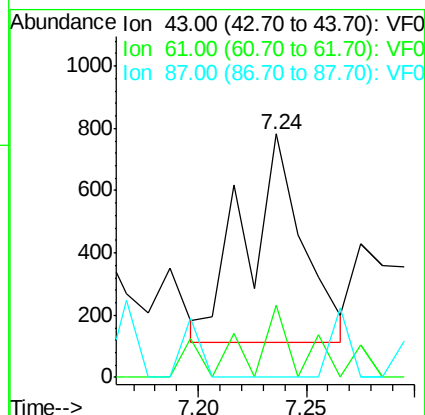
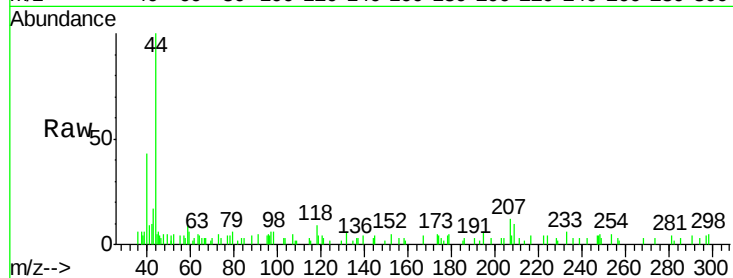


#43

Isopropyl Acetate
 Concen: 3645.190 ug/l
 RT: 7.24 min Scan# 680
 Delta R.T. 0.12 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

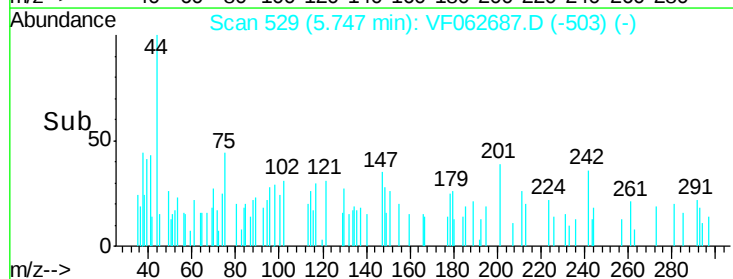
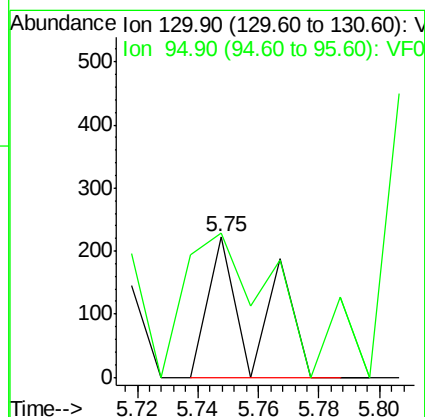
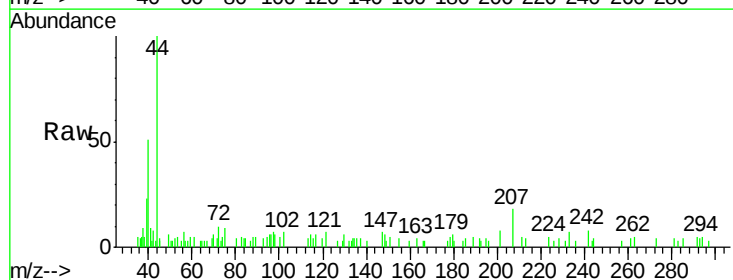
Tot Ion: 43 Resp: 1225
 Ion Ratio Lower Upper
 43 100
 61 29.9 25.8 38.8
 87 0.0 0.4 0.6#

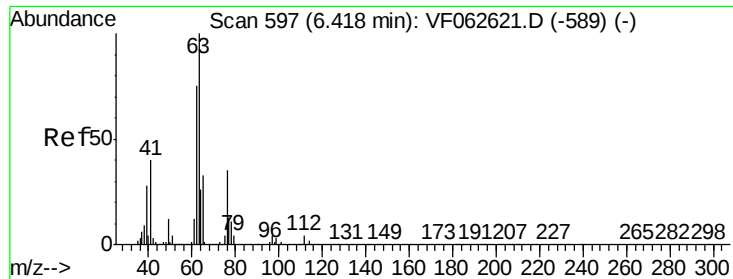


#44

Trichloroethene
 Concen: 499.552 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.06 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion:130 Resp: 243
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 199.4





#45

1,2-Dichloropropane

Concen: 718.694 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.15 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

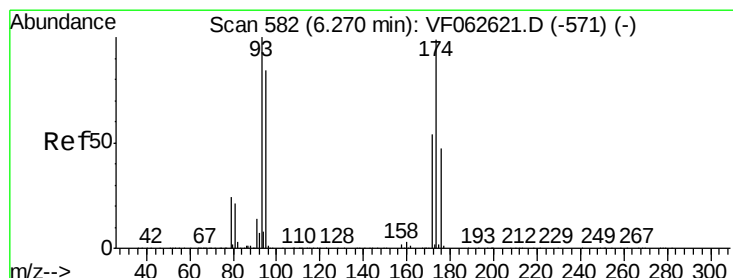
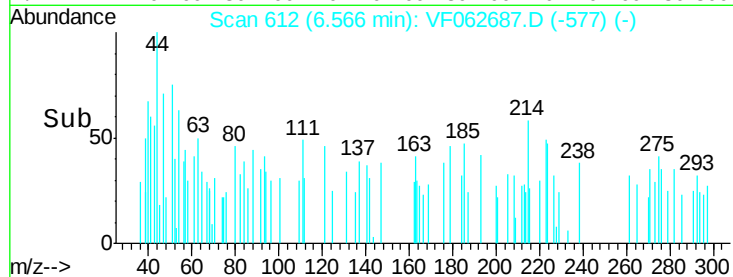
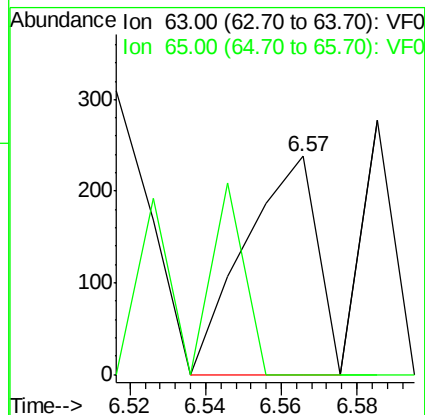
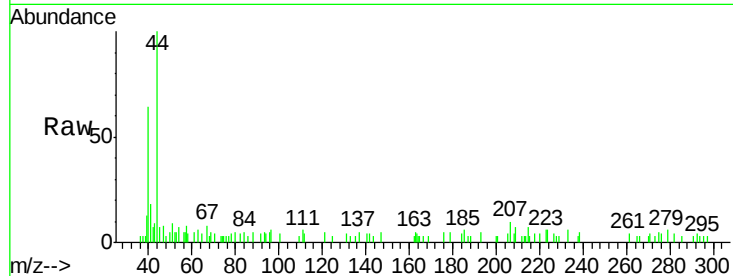
SUP-2A-G-2-052019

Tot Ion: 63 Resp: 314

Ion Ratio Lower Upper

63 100

65 0.0 26.3 39.5#



#46

Dibromomethane

Concen: 467.330 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.12 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

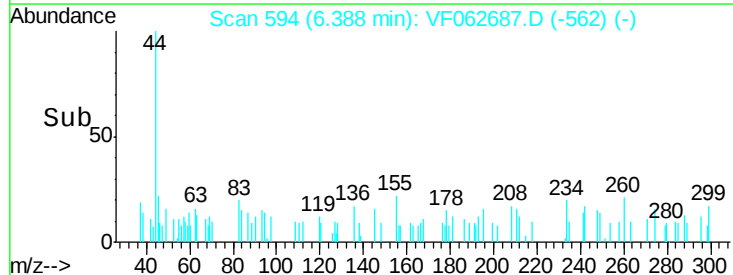
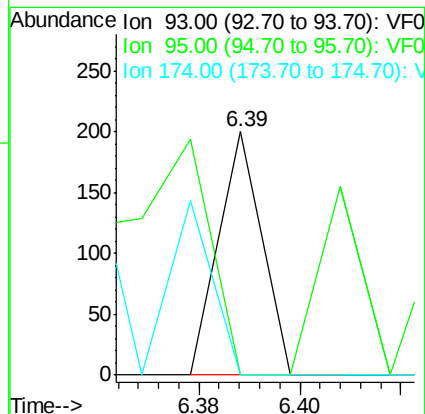
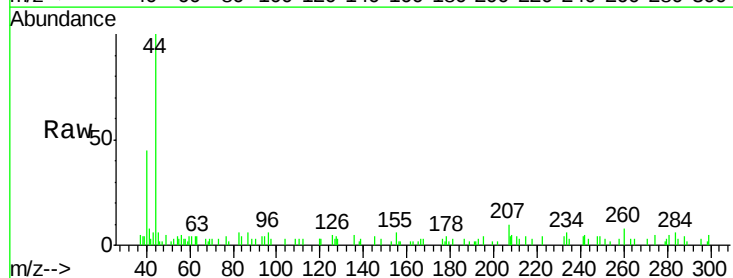
Tgt Ion: 93 Resp: 118

Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 797.424 ug/l

RT: 6.69 min Scan# 625

Delta R.T. 0.13 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

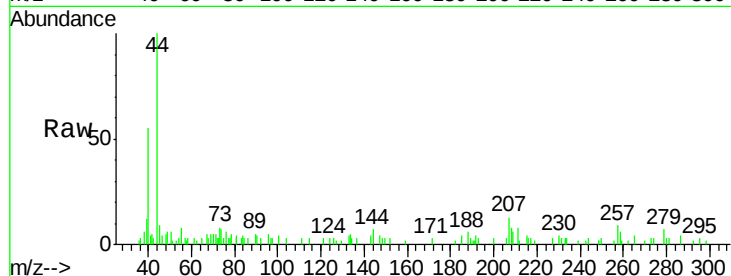
Tot Ion: 83 Resp: 418

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

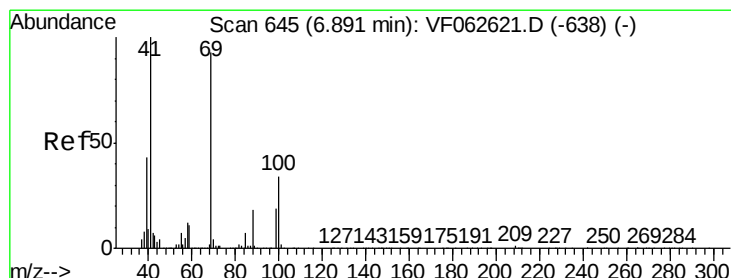
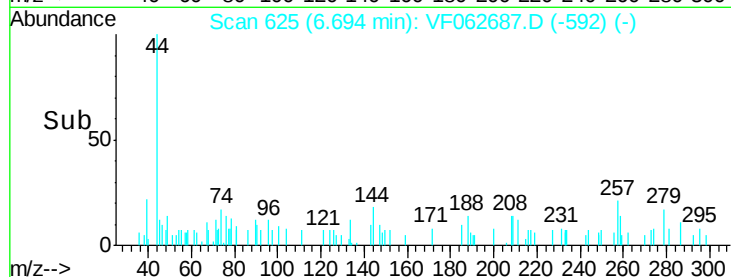
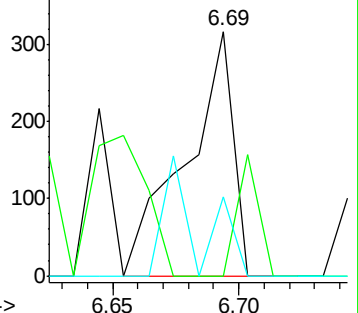
127 32.3 7.7 11.5#



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: 2208.909 ug/l

RT: 7.03 min Scan# 659

Delta R.T. 0.14 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

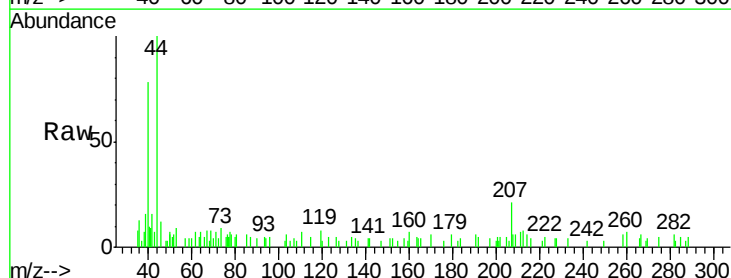
Tgt Ion: 41 Resp: 388

Ion Ratio Lower Upper

41 100

69 43.9 74.2 111.2#

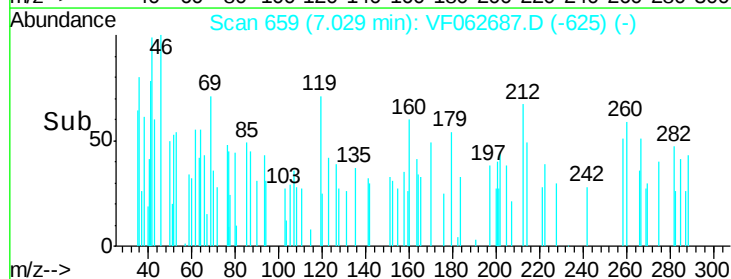
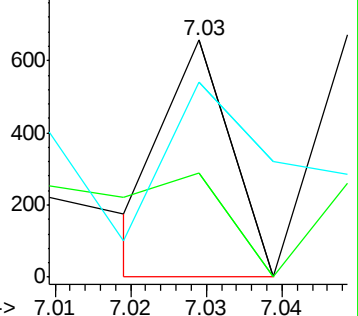
39 82.5 34.2 51.4#

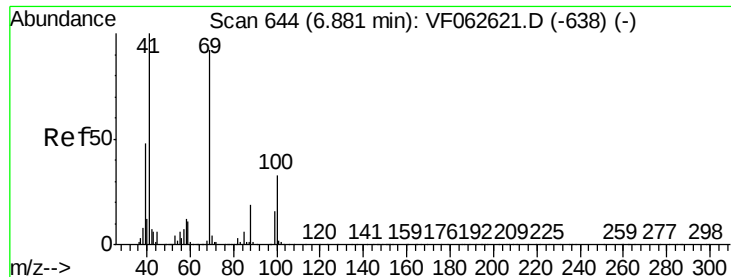


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

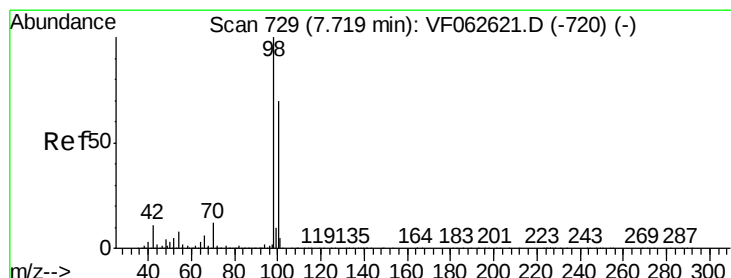
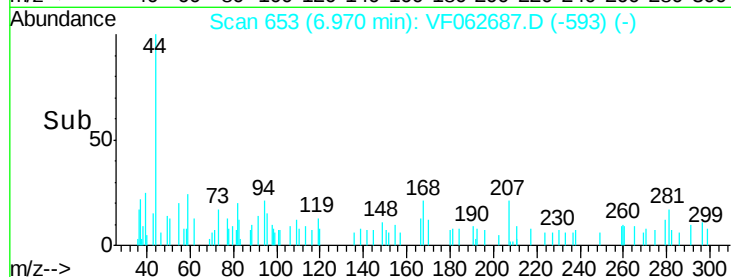
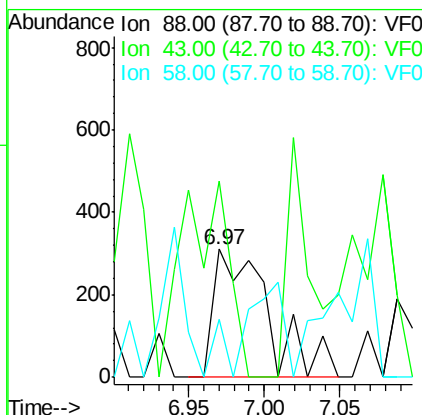
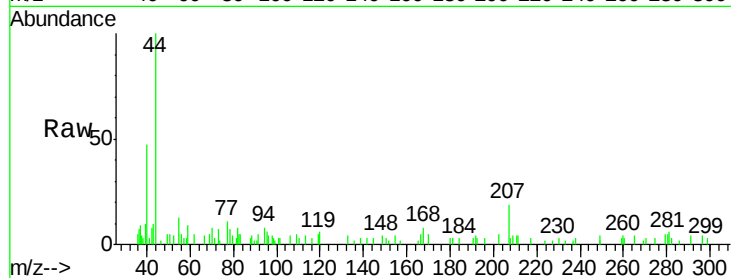




#49
1,4-Dioxane
Concen: 345817.231 ug/l
RT: 6.97 min Scan# 653
Delta R.T. 0.09 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

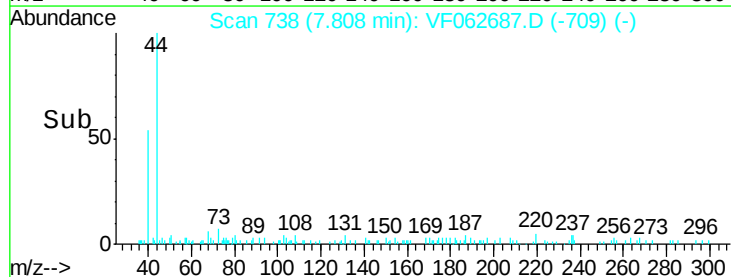
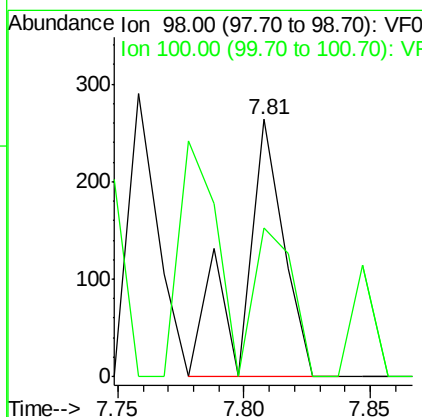
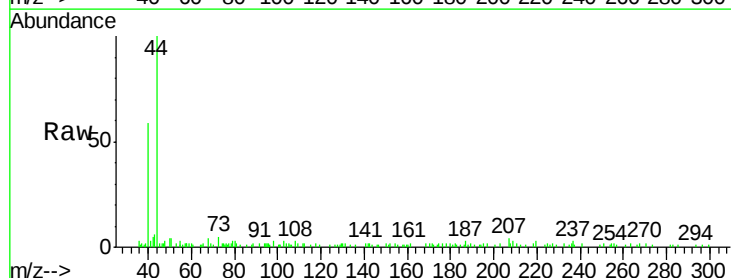
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

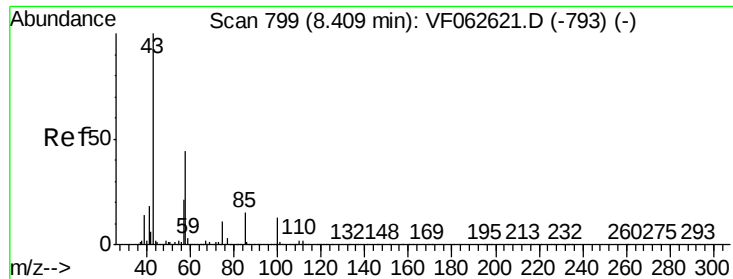
Tot Ion: 88 Resp: 778
Ion Ratio Lower Upper
88 100
43 153.1 30.0 45.0#
58 44.7 51.1 76.7#



#50
Toluene-d8
Concen: 264.843 ug/l
RT: 7.81 min Scan# 738
Delta R.T. 0.09 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 98 Resp: 300
Ion Ratio Lower Upper
98 100
100 58.0 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1110.098 ug/l

RT: 8.53 min Scan# 811

Delta R.T. 0.12 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

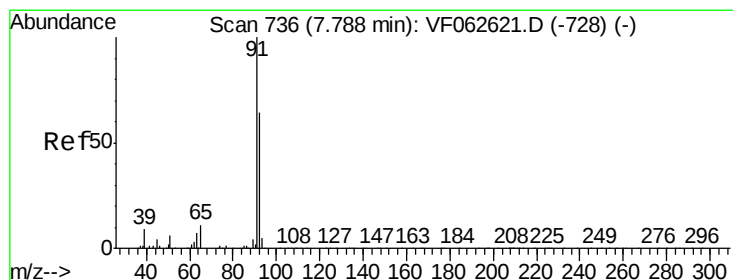
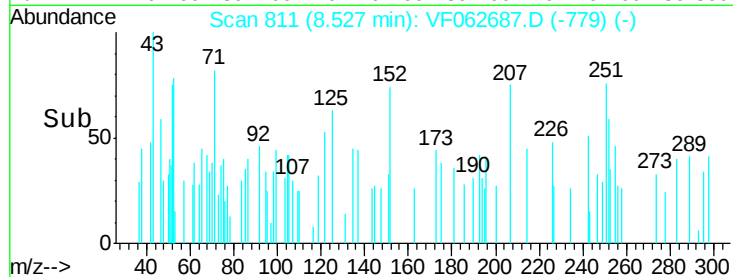
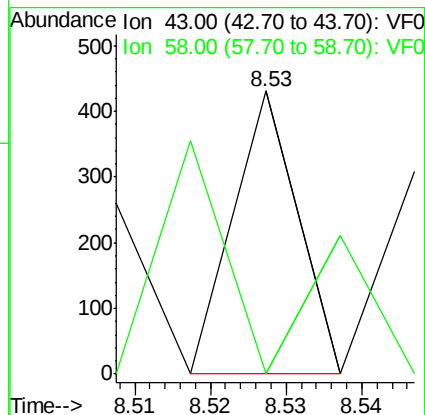
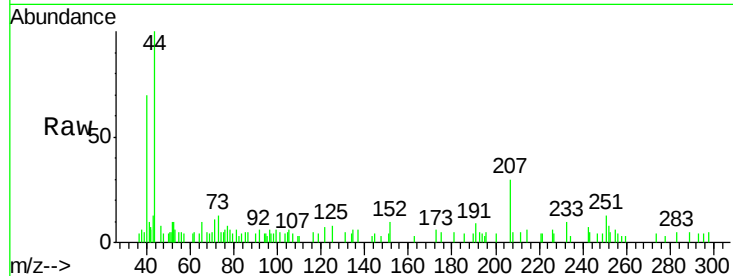
SUP-2A-G-2-052019

Tot Ion: 43 Resp: 255

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



#52

Toluene

Concen: 101.357 ug/l

RT: 7.95 min Scan# 752

Delta R.T. 0.16 min

Lab File: VF062687.D

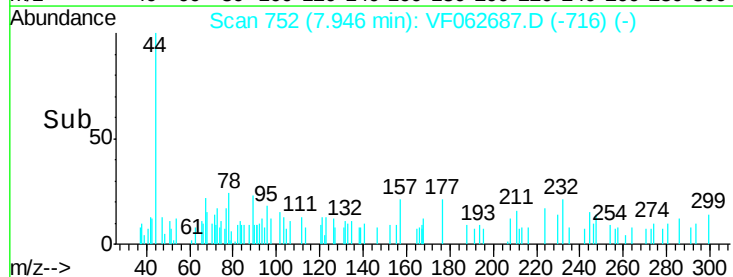
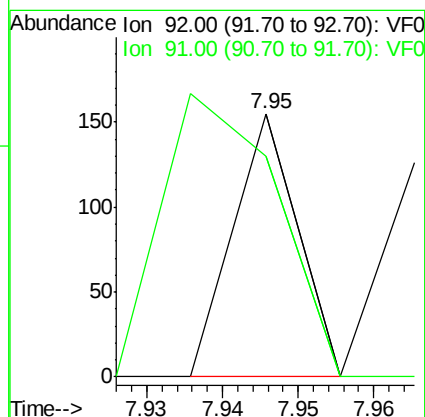
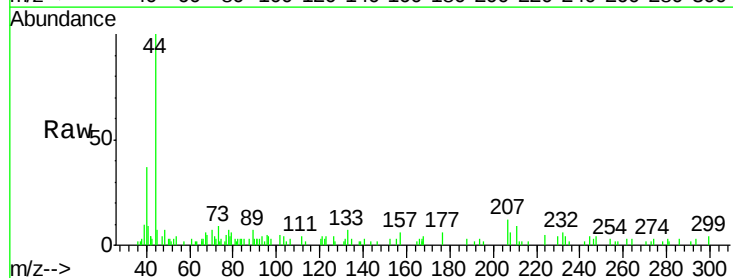
Acq: 21 May 2019 17:11

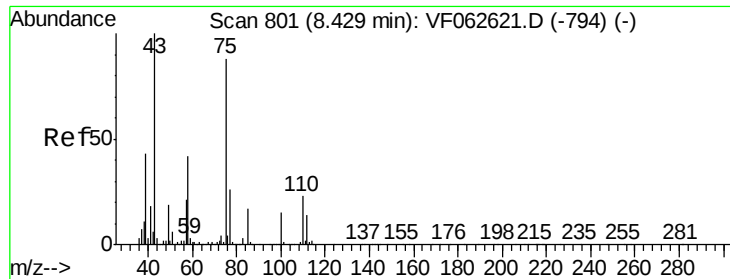
Tgt Ion: 92 Resp: 92

Ion Ratio Lower Upper

92 100

91 83.9 125.4 188.0#

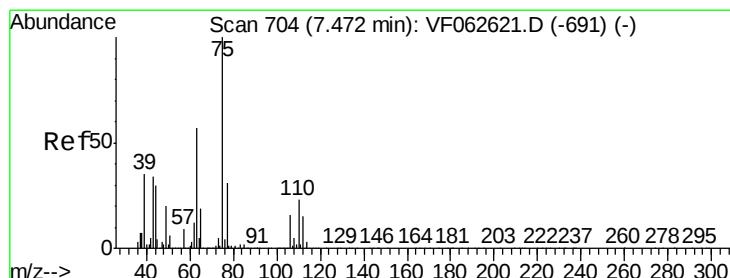
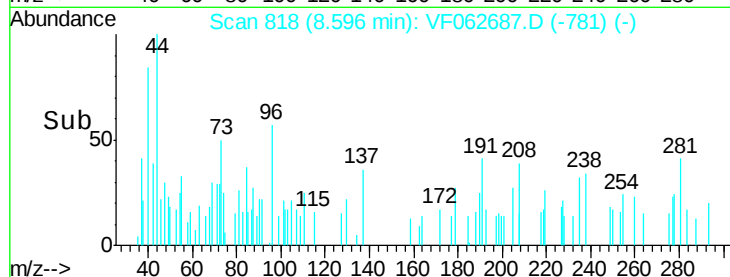
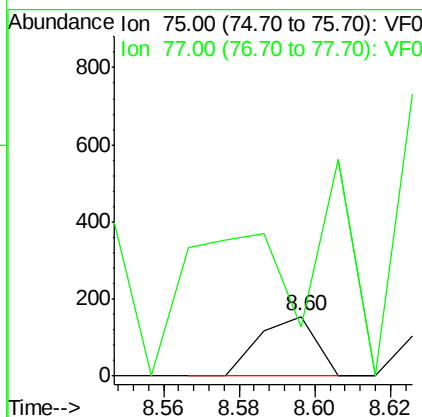
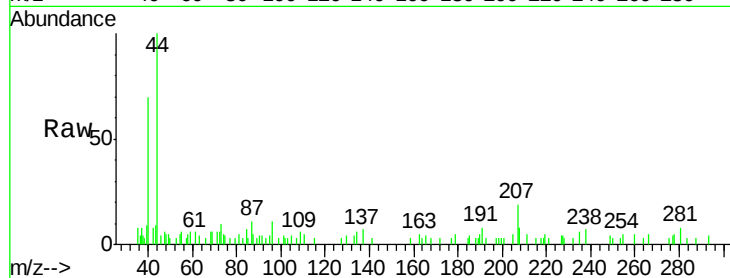




#53
t-1,3-Dichloropropene
Concen: 373.091 ug/l
RT: 8.60 min Scan# 818
Delta R.T. 0.17 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

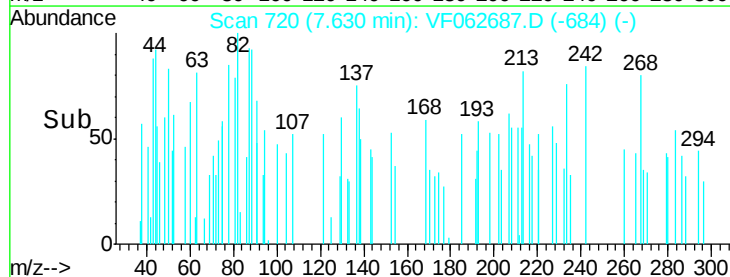
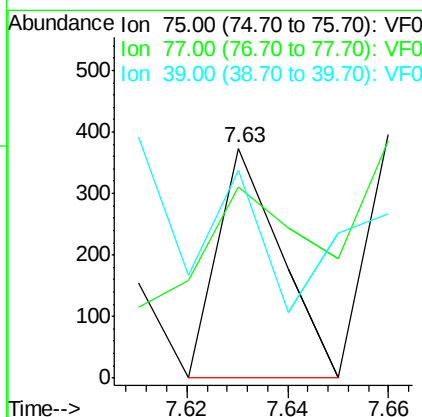
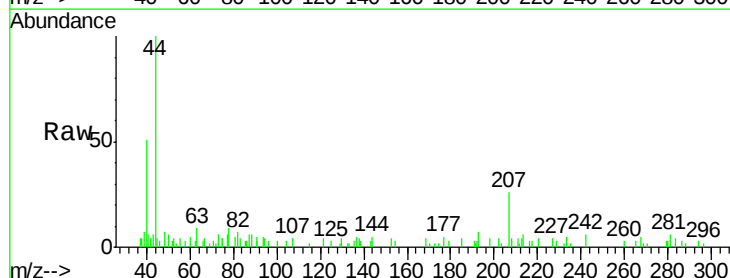
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

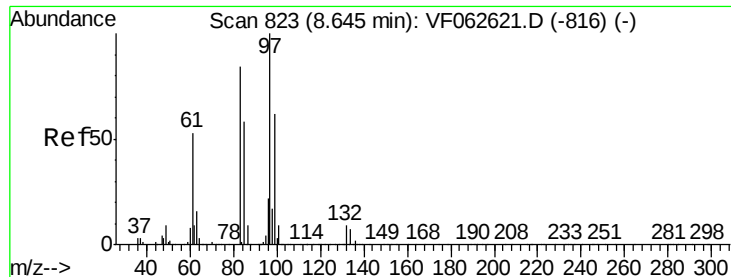
Tot Ion: 75 Resp: 160
Ion Ratio Lower Upper
75 100
77 83.8 24.2 36.4#



#54
cis-1,3-Dichloropropene
Concen: 543.048 ug/l
RT: 7.63 min Scan# 720
Delta R.T. 0.16 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
77 82.9 25.3 37.9#
39 90.1 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 591.620 ug/l

RT: 8.81 min Scan# 840

Delta R.T. 0.17 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

Tot Ion: 97 Resp: 159

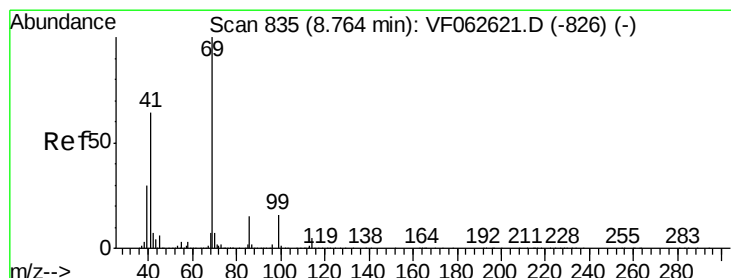
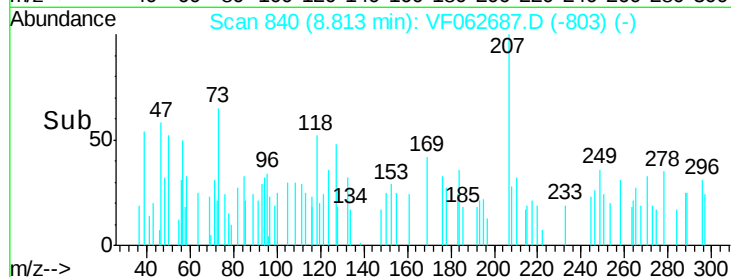
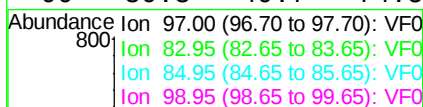
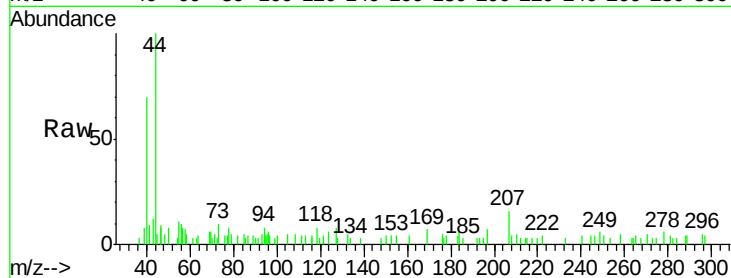
Ion Ratio Lower Upper

97 100

83 0.0 67.3 100.9#

85 229.6 46.6 69.8#

99 80.3 49.7 74.5#



#56

Ethyl methacrylate

Concen: 2283.046 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.10 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

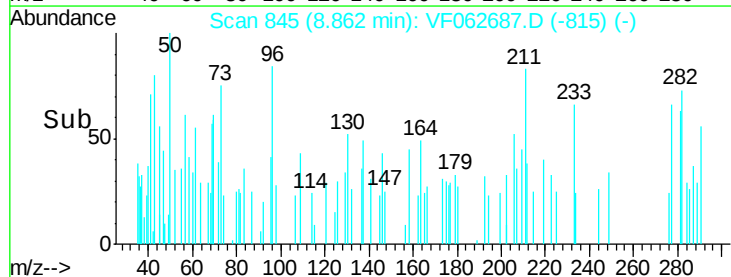
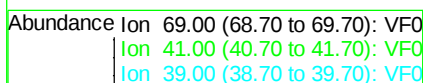
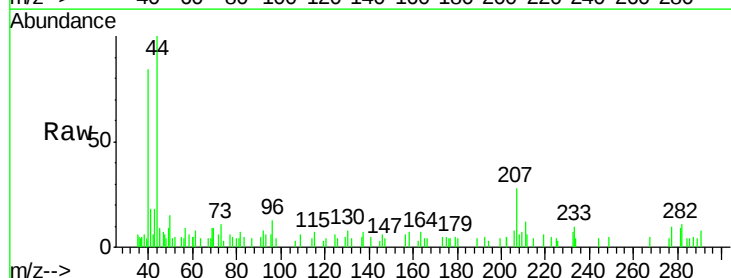
Tgt Ion: 69 Resp: 731

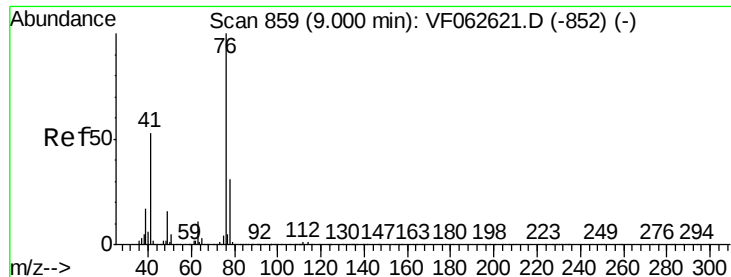
Ion Ratio Lower Upper

69 100

41 68.7 51.4 77.2

39 26.7 23.6 35.4





#57

1,3-Dichloropropane

Concen: 561.420 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.16 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

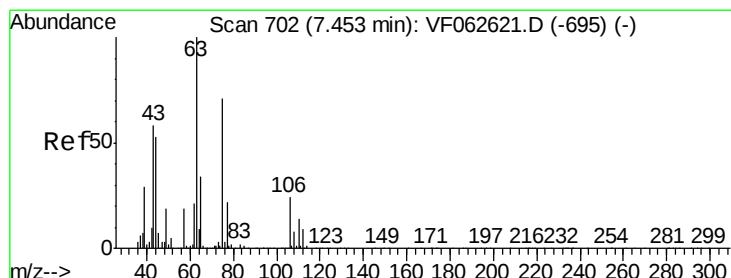
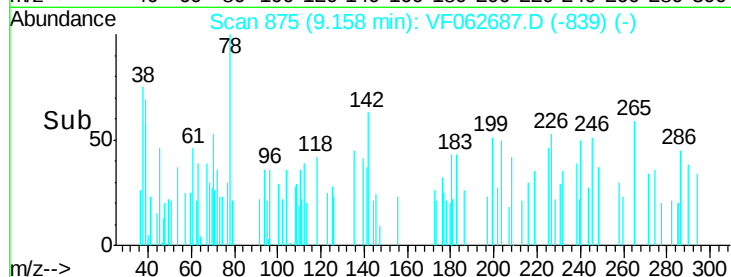
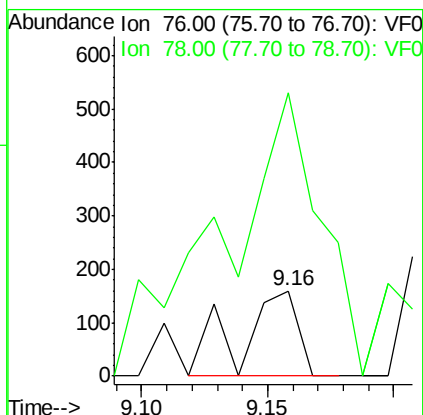
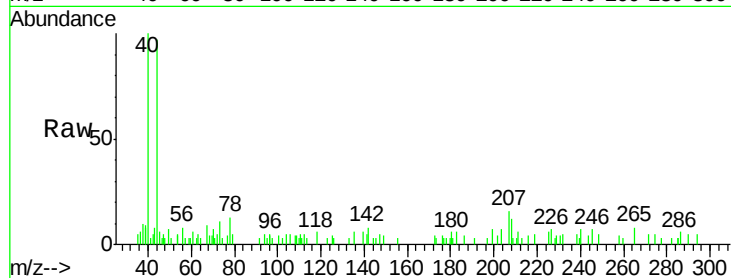
SUP-2A-G-2-052019

Tot Ion: 76 Resp: 257

Ion Ratio Lower Upper

76 100

78 331.3 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1487.227 ug/l

RT: 7.59 min Scan# 716

Delta R.T. 0.14 min

Lab File: VF062687.D

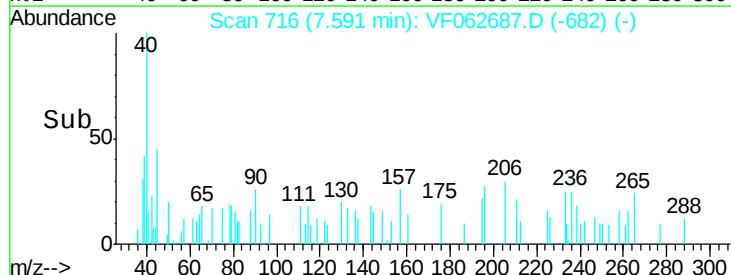
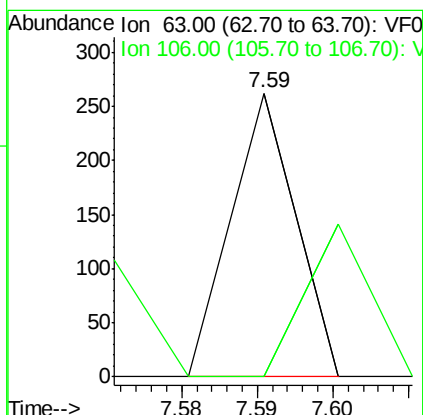
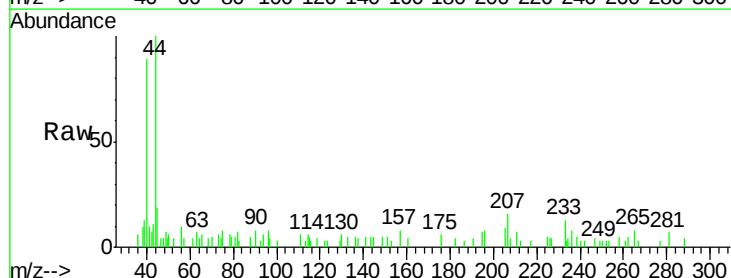
Acq: 21 May 2019 17:11

Tgt Ion: 63 Resp: 155

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

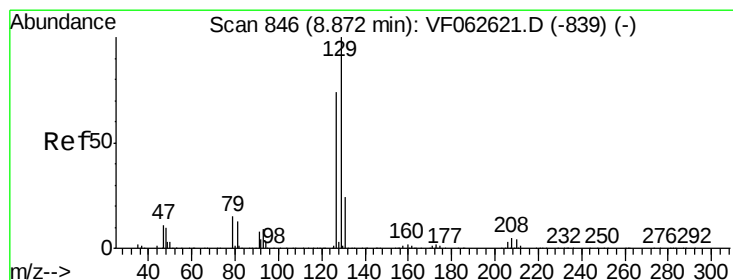
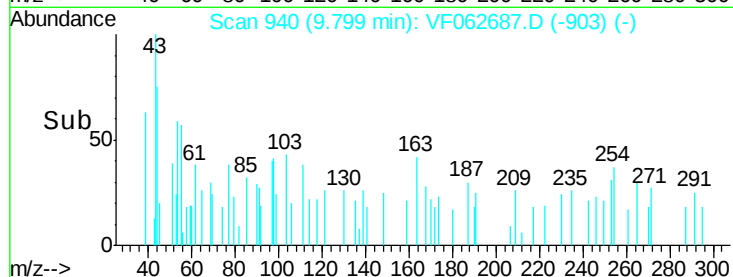
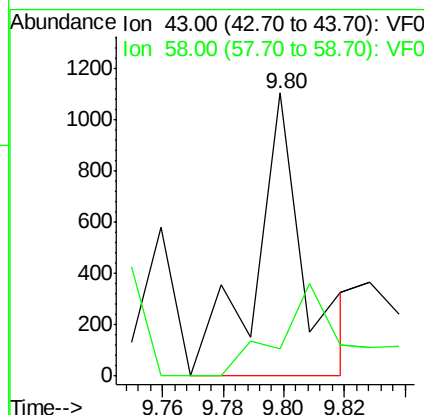
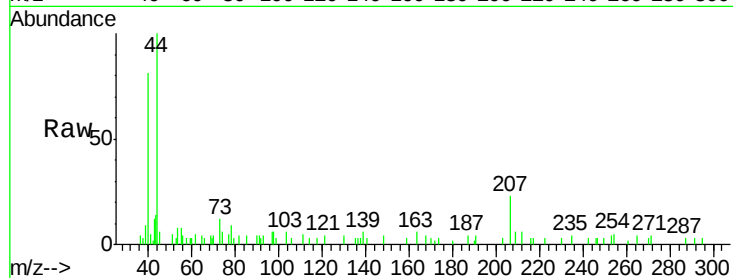




#59
2-Hexanone
Concen: 8986.864 ug/l
RT: 9.80 min Scan# 940
Delta R.T. 0.17 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

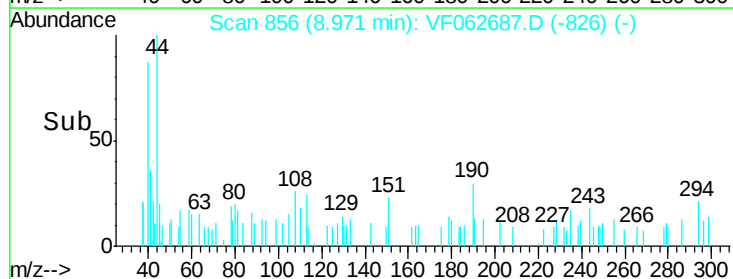
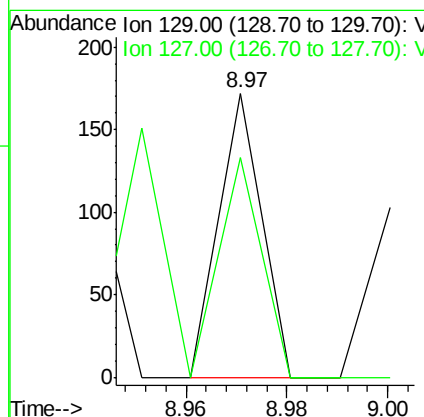
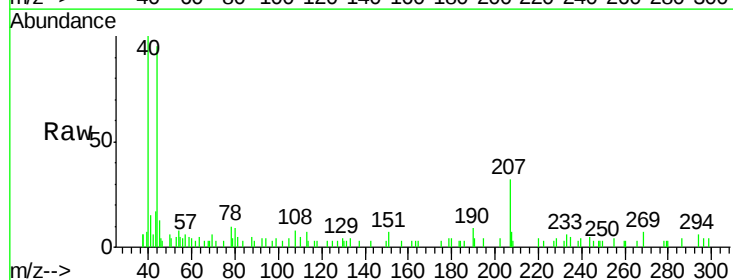
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

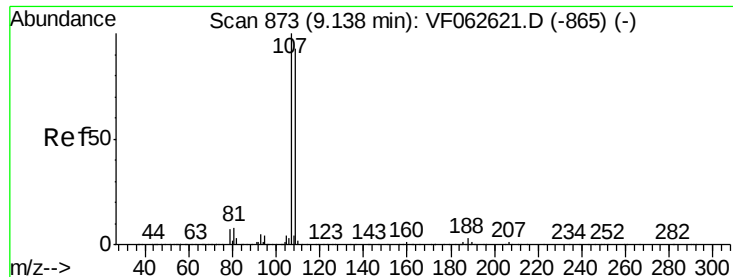
Tot Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 9.8 28.1 84.4#



#60
Dibromochloromethane
Concen: 291.202 ug/l
RT: 8.97 min Scan# 856
Delta R.T. 0.10 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion: 129 Resp: 102
Ion Ratio Lower Upper
129 100
127 77.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 360.825 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

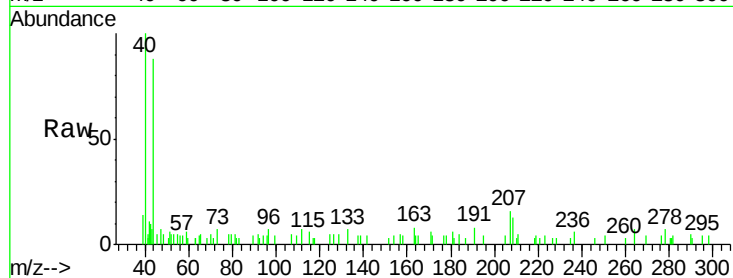
SUP-2A-G-2-052019

Tot Ion:107 Resp: 103

Ion Ratio Lower Upper

107 100

109 76.0 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

150

100

50

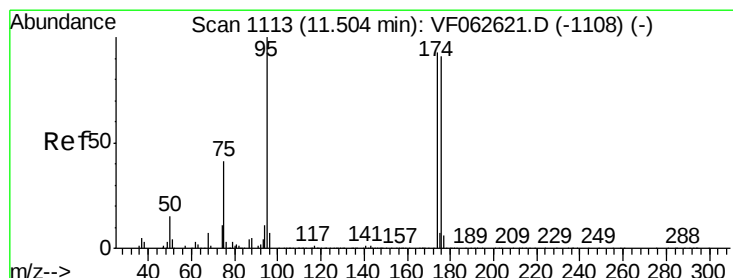
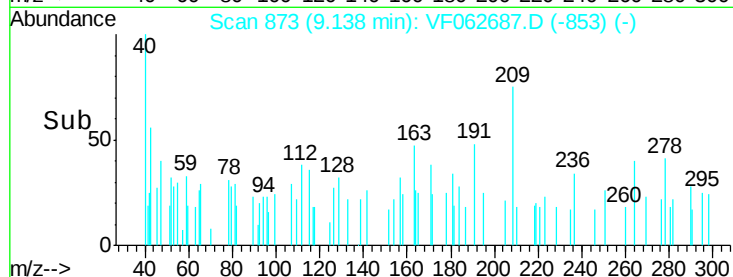
0

9.12

9.13

9.14

9.15



#62

4-Bromofluorobenzene

Concen: 721.575 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. 0.23 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

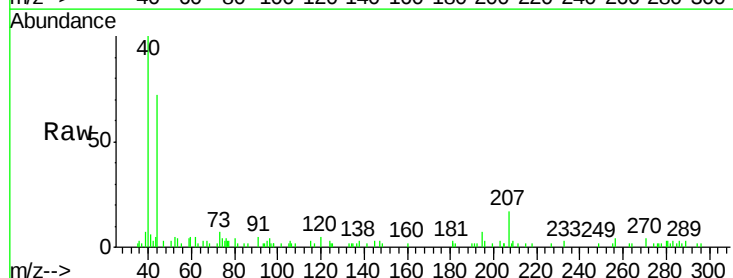
Tgt Ion: 95 Resp: 310

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

176 0.0 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

500

400

300

200

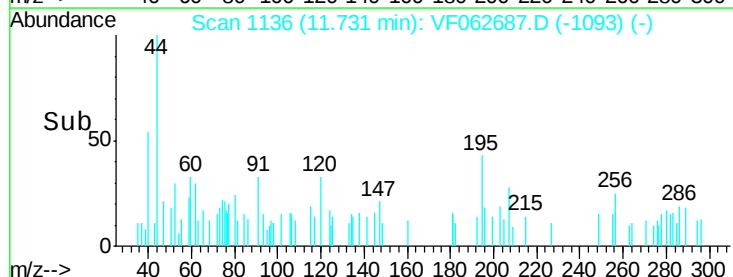
100

0

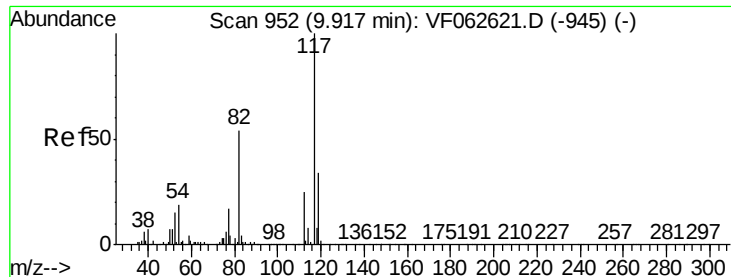
11.70

11.73

11.75



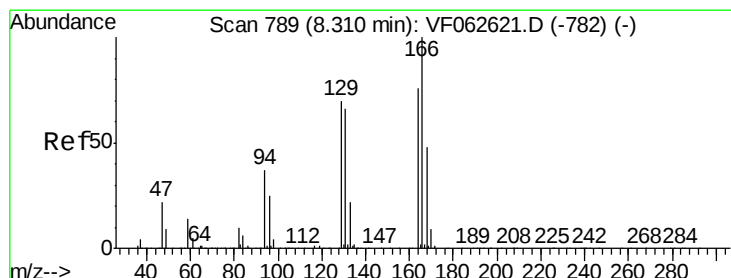
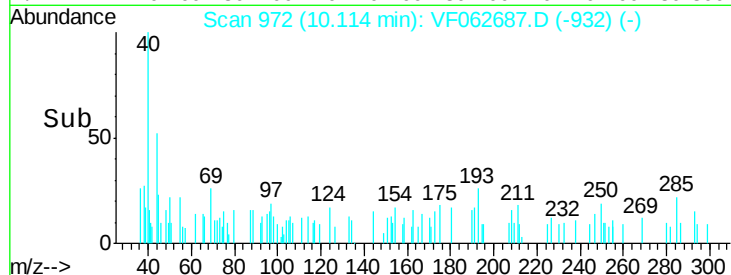
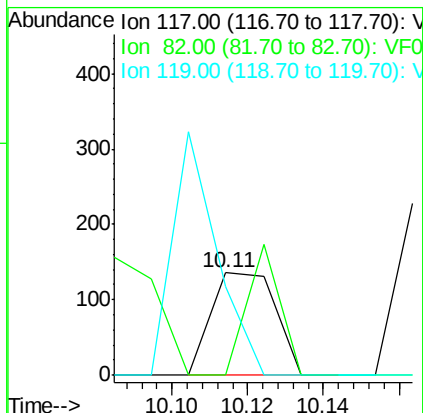
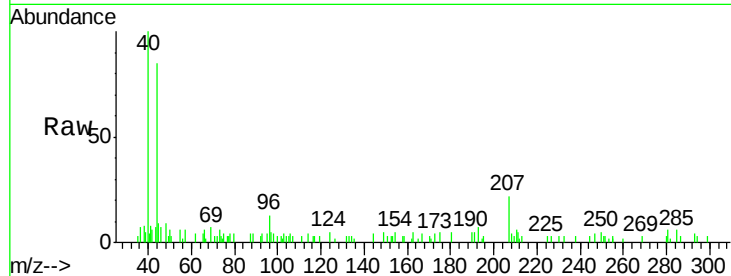
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 972
Delta R.T. 0.20 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

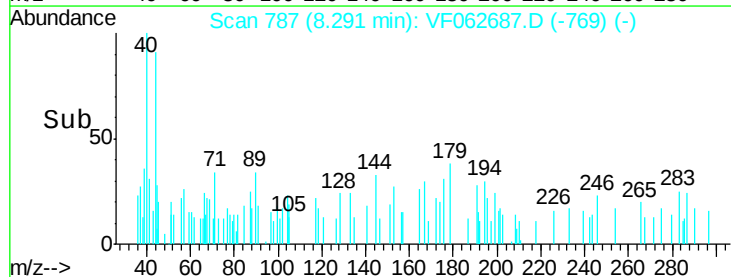
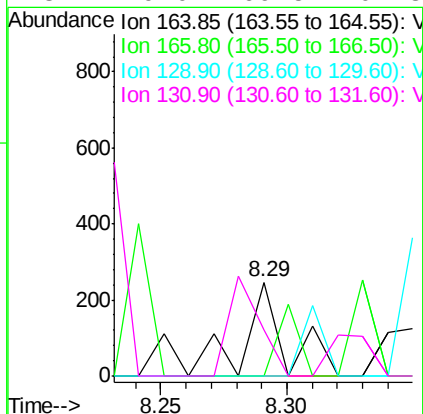
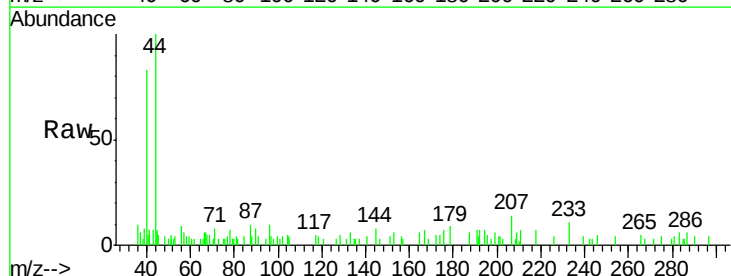
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

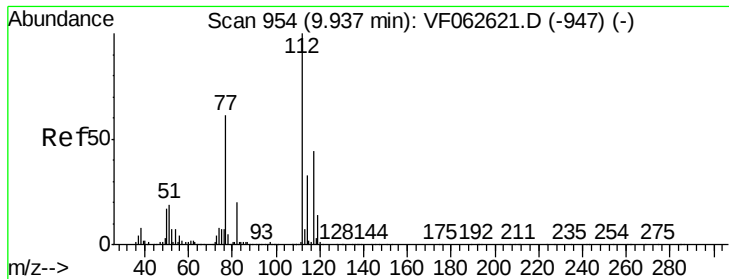
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.3	64.9#
119	86.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 230.883 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	0.0	73.8	110.6#
131	49.0	69.5	104.3#

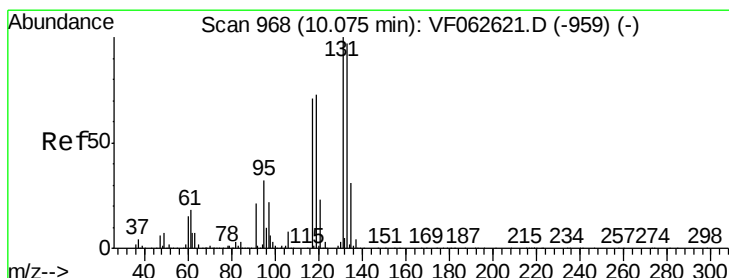
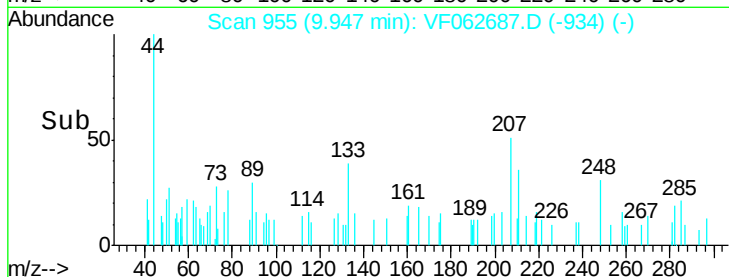
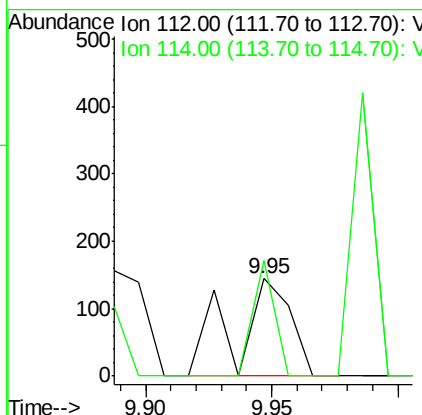
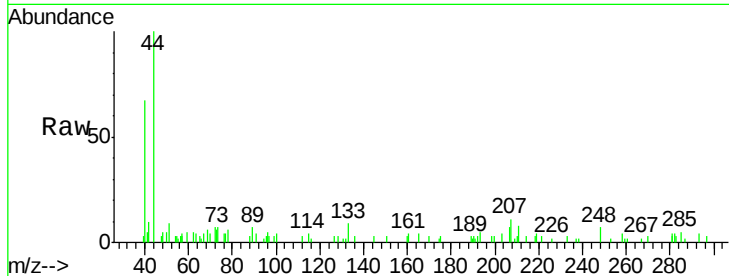




#65
Chlorobenzene
Concen: 71.537 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

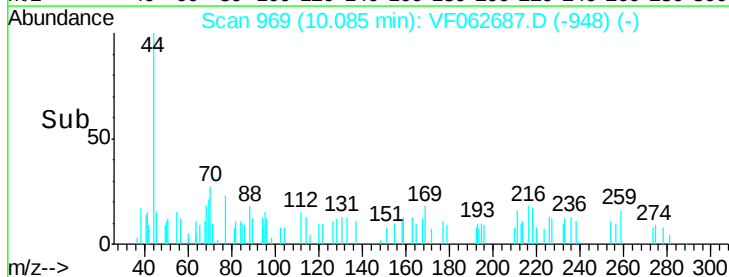
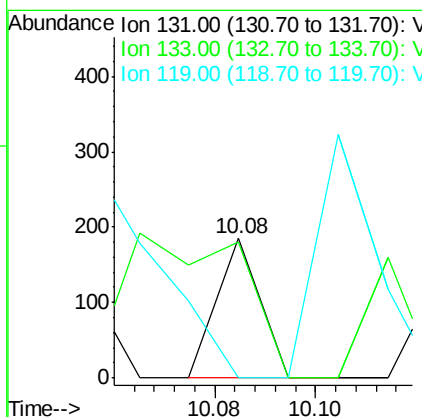
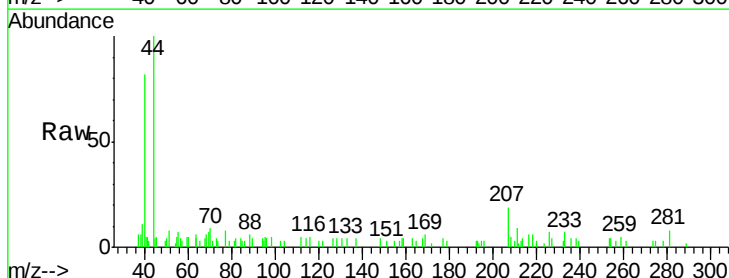
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

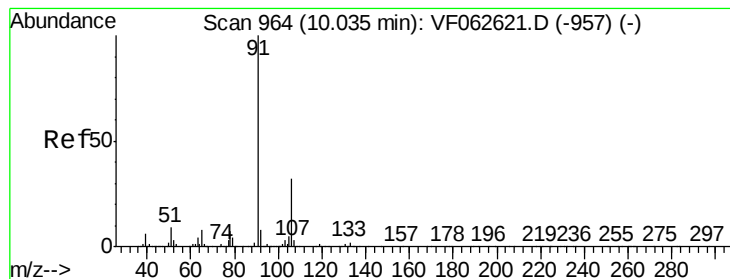
Tot Ion:112 Resp: 222
Ion Ratio Lower Upper
112 100
114 119.4 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 87.494 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion:131 Resp: 109
Ion Ratio Lower Upper
131 100
133 97.8 48.5 145.5
119 0.0 36.8 110.4#





#67

Ethyl Benzene

Concen: 69.560 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

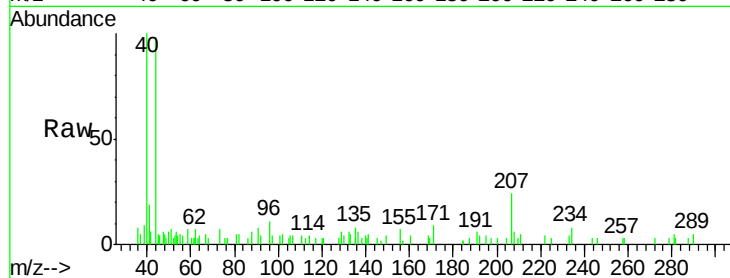
SUP-2A-G-2-052019

Tot Ion: 91 Resp: 375

Ion Ratio Lower Upper

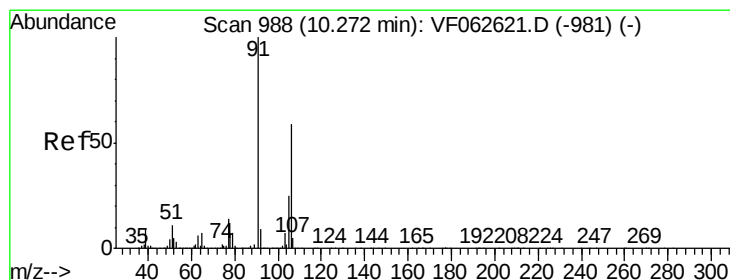
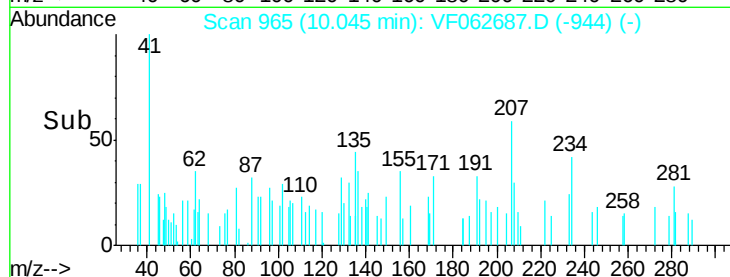
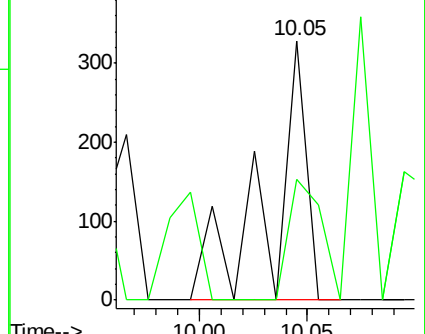
91 100

106 46.6 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 50.341 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062687.D

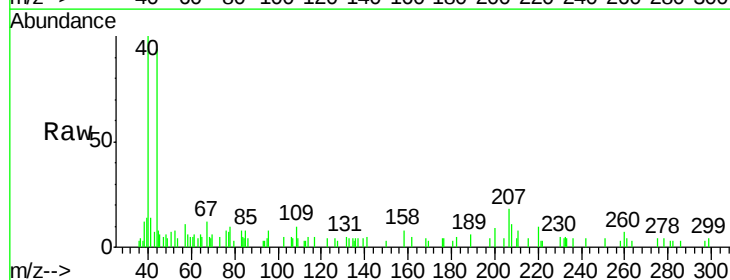
Acq: 21 May 2019 17:11

Tgt Ion: 106 Resp: 102

Ion Ratio Lower Upper

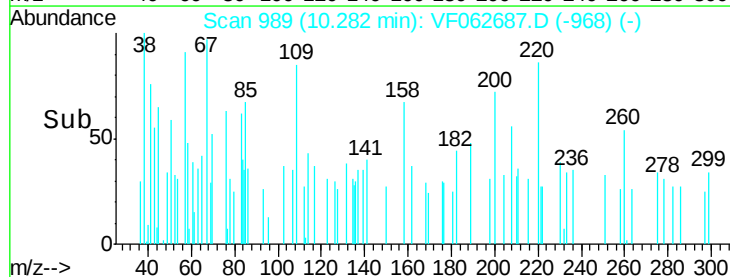
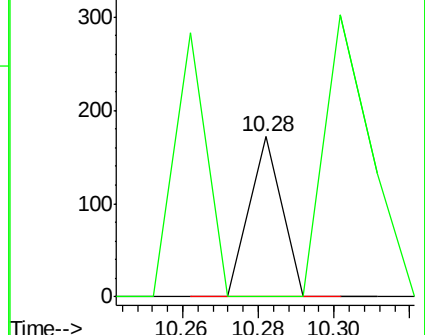
106 100

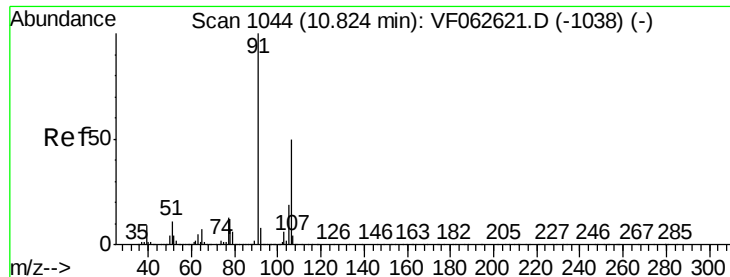
91 0.0 136.9 205.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

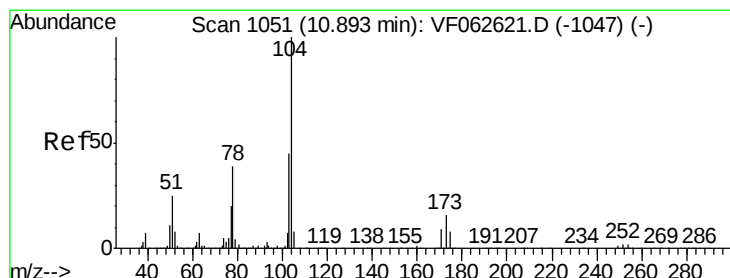
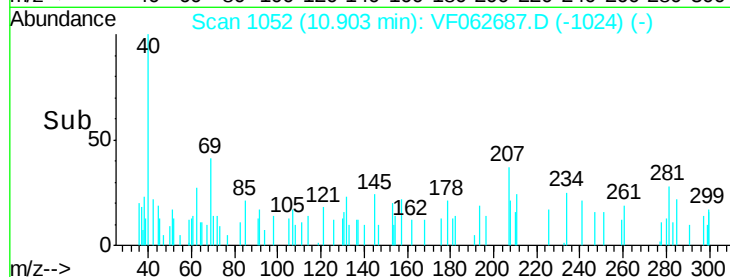
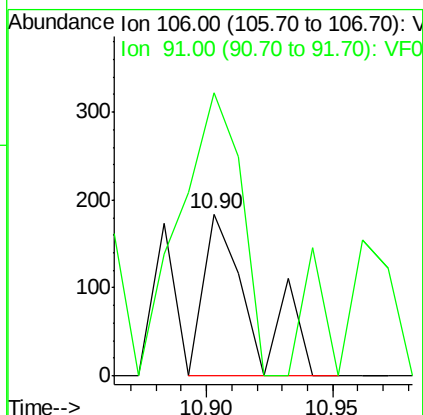
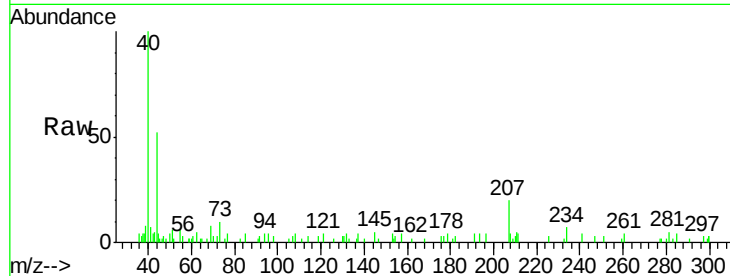




#69
o-Xylene
Concen: 116.914 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.08 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

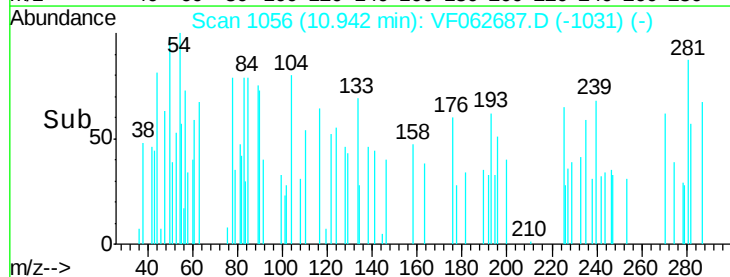
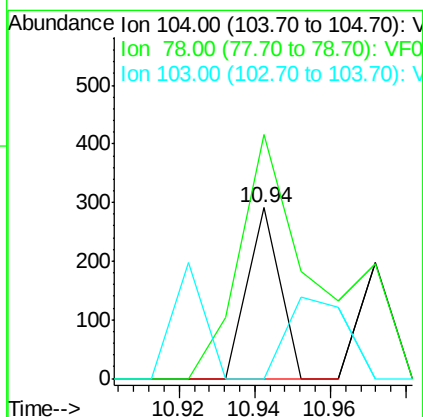
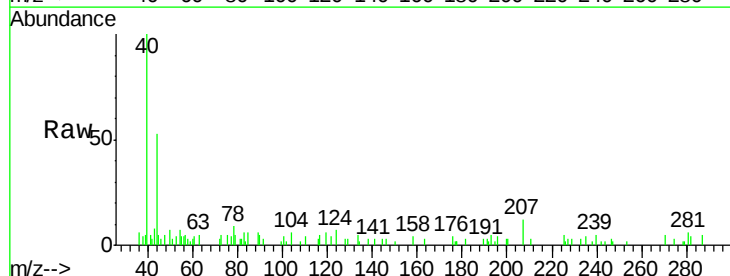
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-2-052019

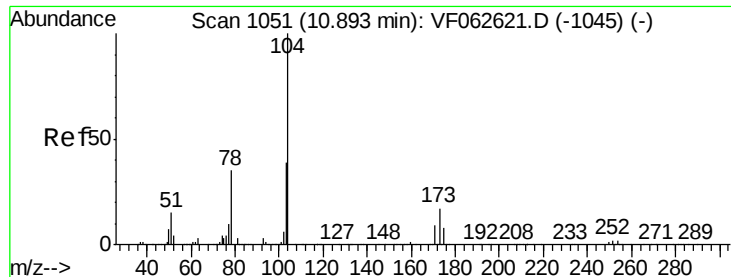
Tot Ion:106 Resp: 244
Ion Ratio Lower Upper
106 100
91 175.0 100.2 300.5



#70
Styrene
Concen: 54.222 ug/l
RT: 10.94 min Scan# 1056
Delta R.T. 0.05 min
Lab File: VF062687.D
Acq: 21 May 2019 17:11

Tgt Ion:104 Resp: 172
Ion Ratio Lower Upper
104 100
78 143.0 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 230.790 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

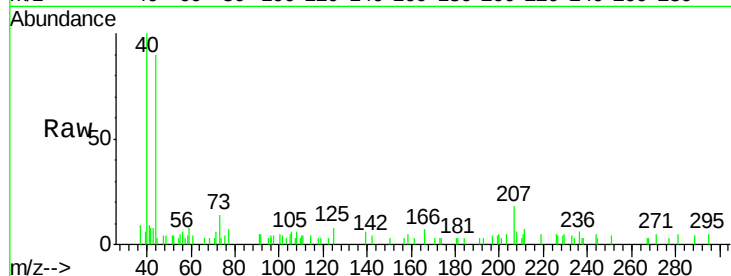
Tot Ion:173 Resp: 144

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

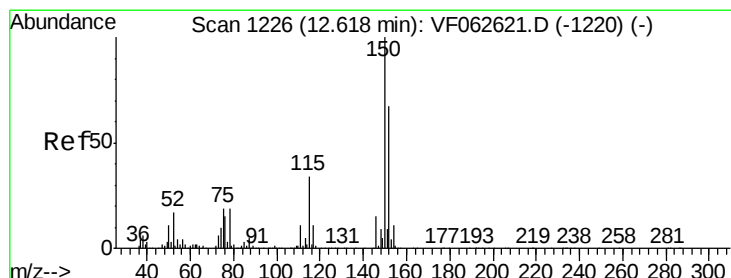
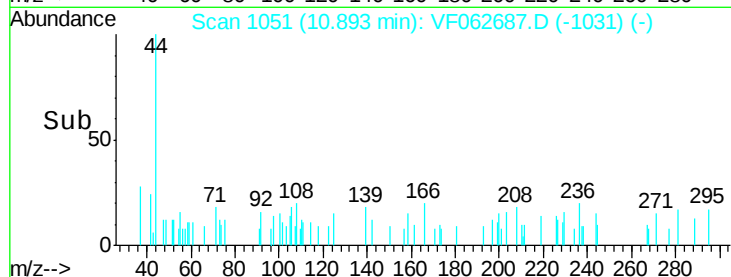
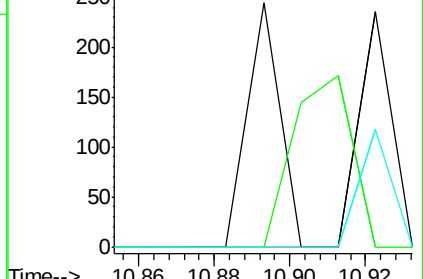
254 0.0 0.2 0.2#



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: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

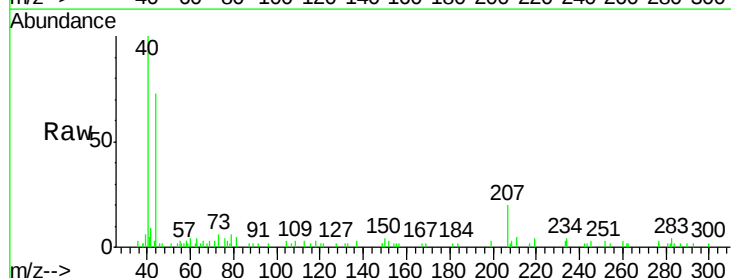
Tgt Ion:152 Resp: 180

Ion Ratio Lower Upper

152 100

115 71.9 25.2 75.6

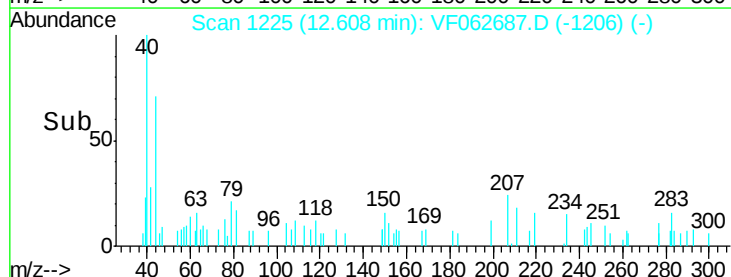
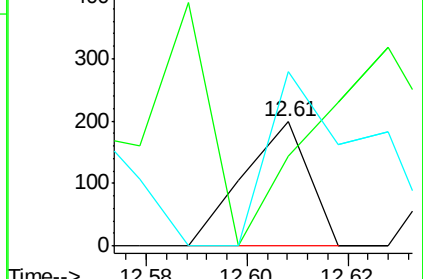
150 140.2 0.0 306.2

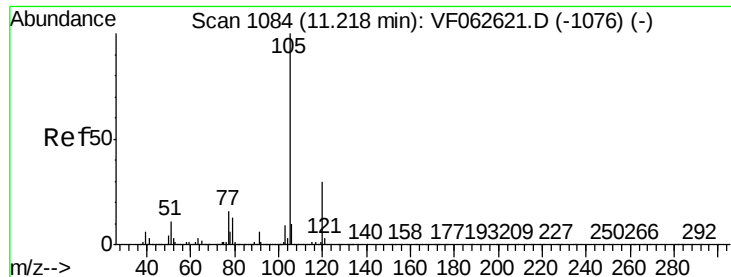


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 13.410 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

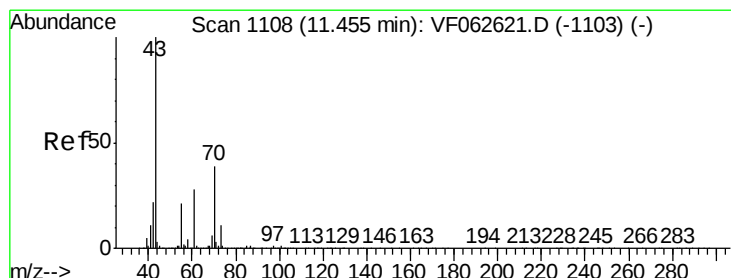
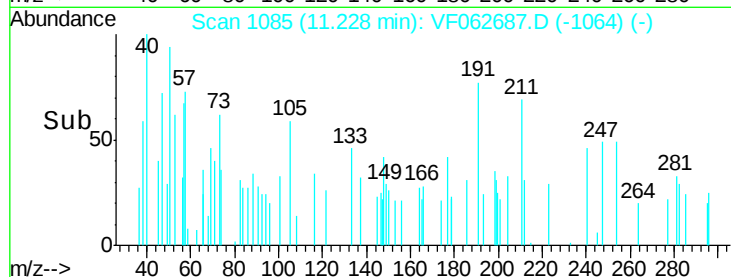
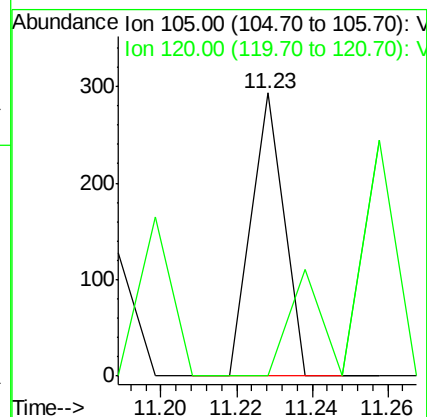
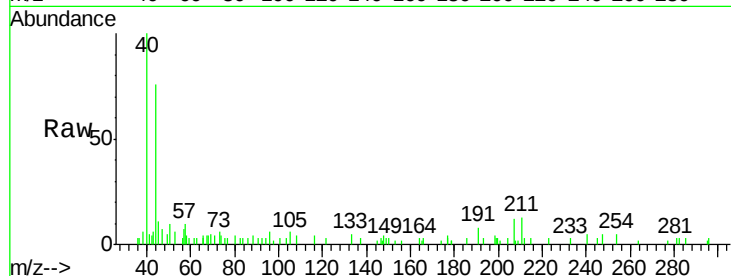
SUP-2A-G-2-052019

Tot Ion: 105 Resp: 173

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



#74

N-ethyl acetate

Concen: 540.022 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Tgt Ion: 43 Resp: 1599

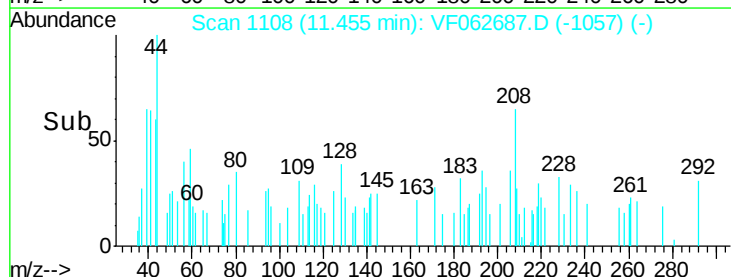
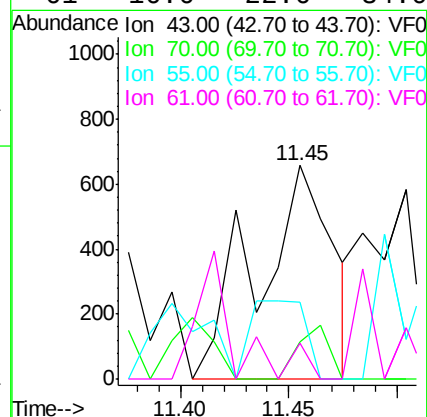
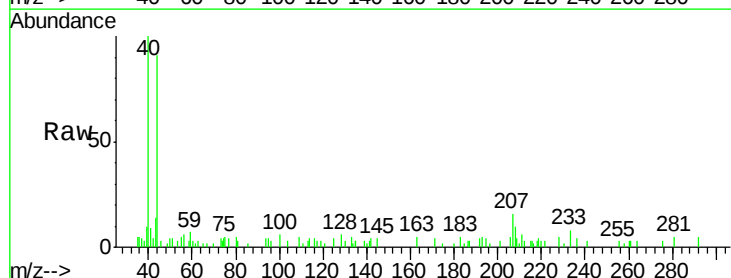
Ion Ratio Lower Upper

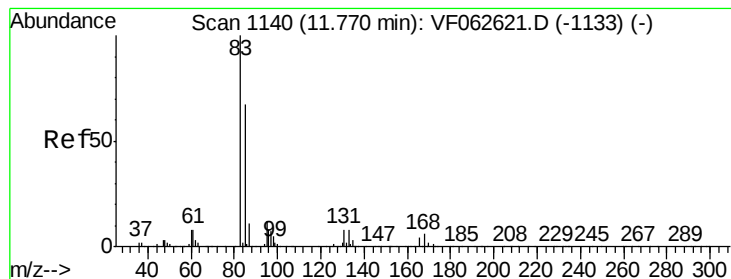
43 100

70 17.6 30.9 46.3#

55 36.2 17.0 25.4#

61 16.6 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 27.309 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

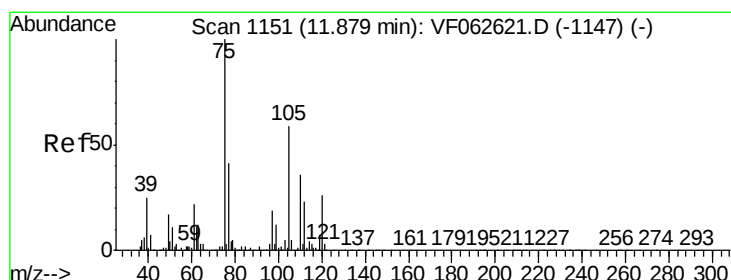
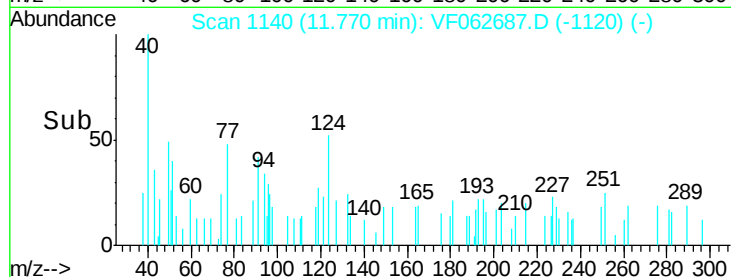
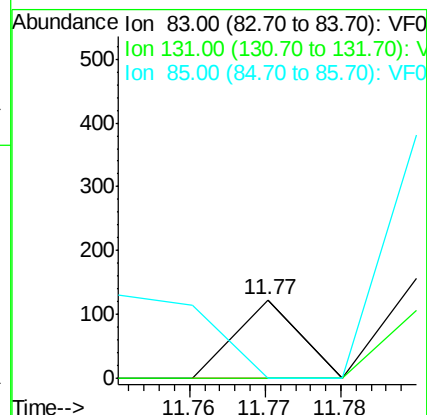
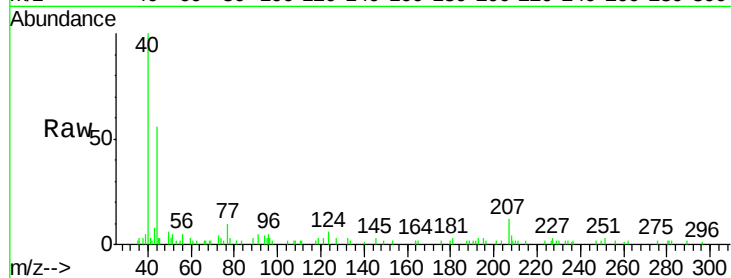
Tot Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 96.402 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VF062687.D

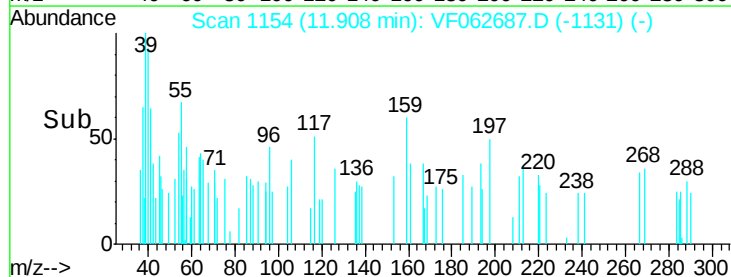
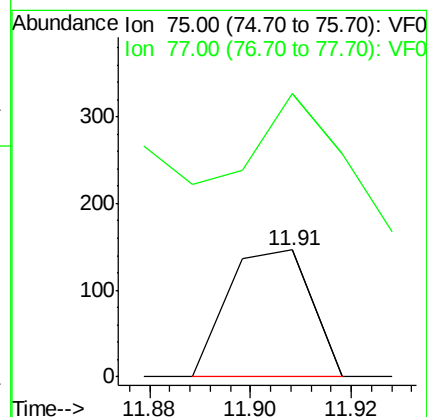
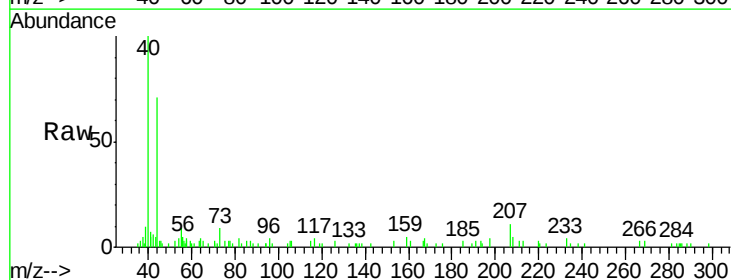
Acq: 21 May 2019 17:11

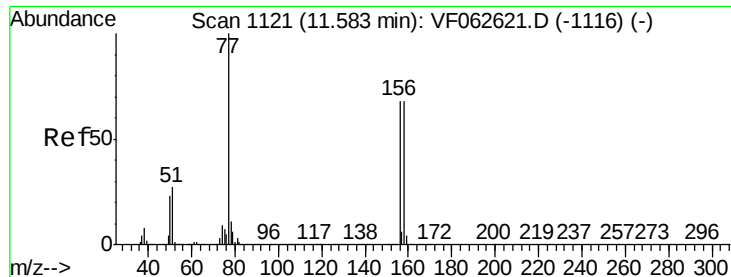
Tgt Ion: 75 Resp: 167

Ion Ratio Lower Upper

75 100

77 224.0 20.6 61.8#





#77

Bromobenzene

Concen: 37.109 ug/l

RT: 11.54 min Scan# 1117

Delta R.T. -0.04 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

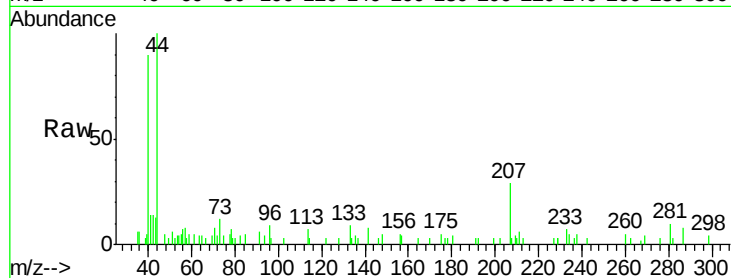
Tot Ion:156 Resp: 119

Ion Ratio Lower Upper

156 100

77 60.9 73.6 220.8#

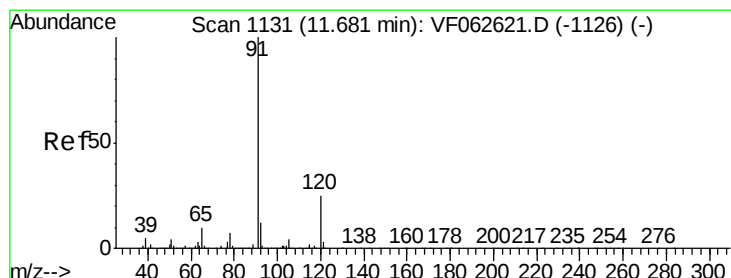
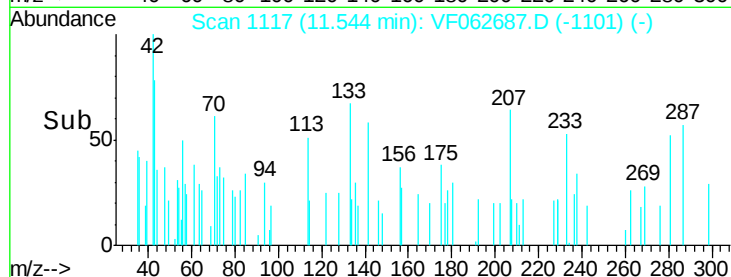
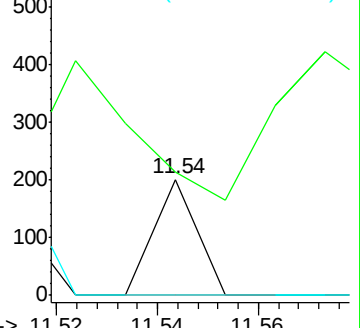
158 0.0 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 14.082 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062687.D

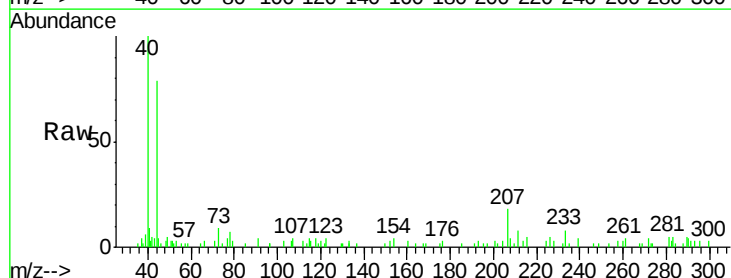
Acq: 21 May 2019 17:11

Tgt Ion: 91 Resp: 215

Ion Ratio Lower Upper

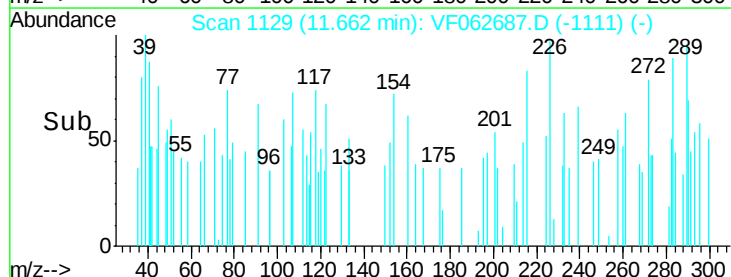
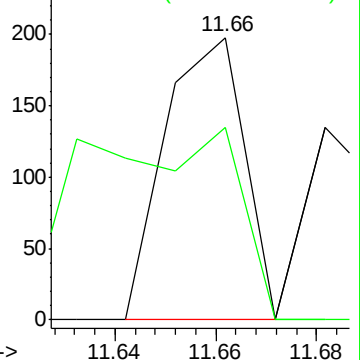
91 100

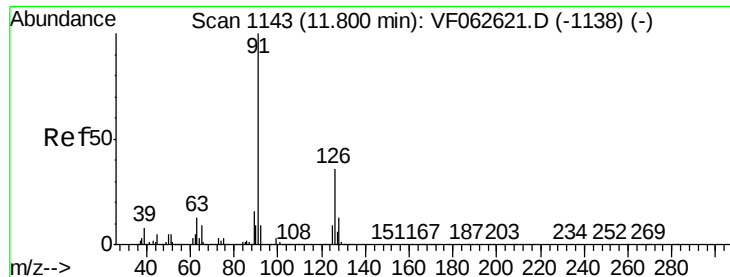
120 68.2 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 32.077 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

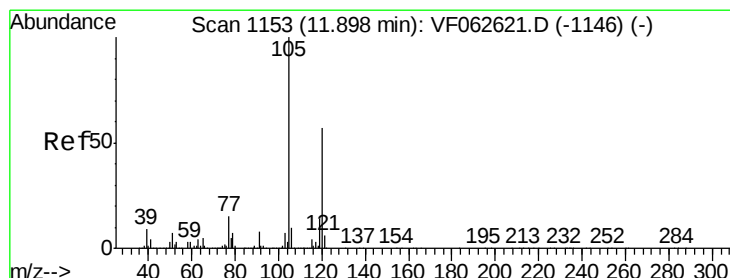
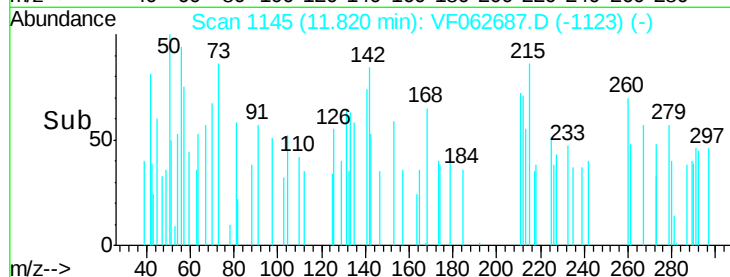
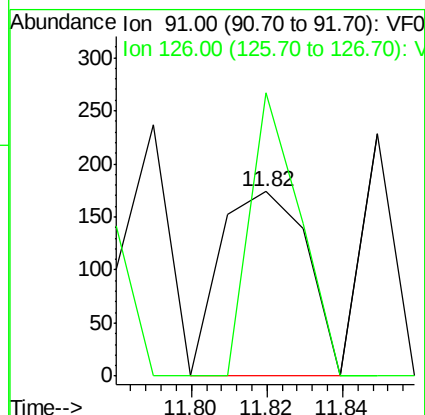
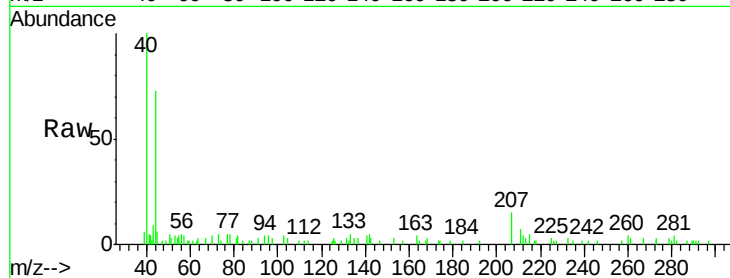
SUP-2A-G-2-052019

Tot Ion: 91 Resp: 276

Ion Ratio Lower Upper

91 100

126 153.4 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 23.877 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062687.D

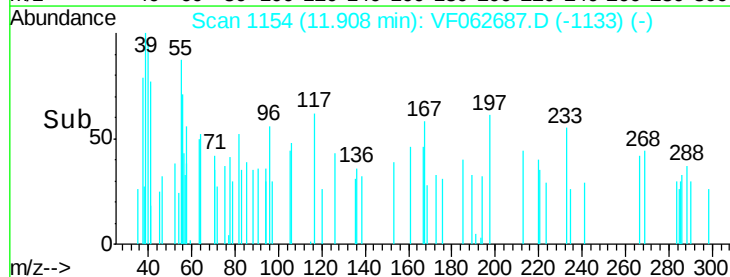
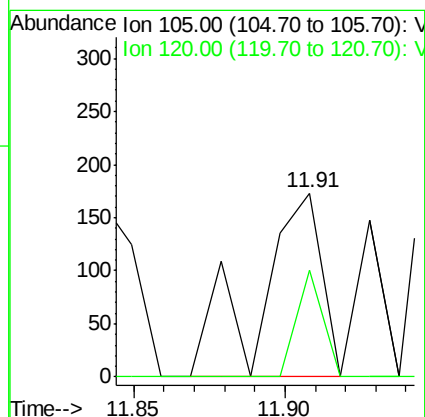
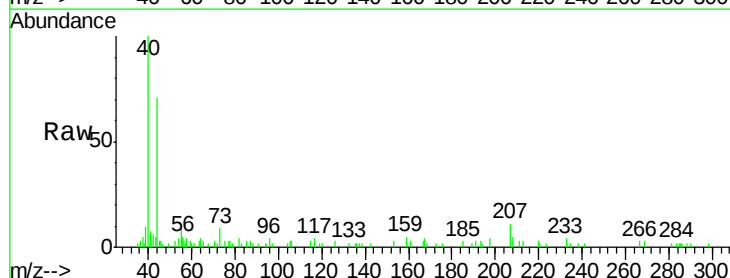
Acq: 21 May 2019 17:11

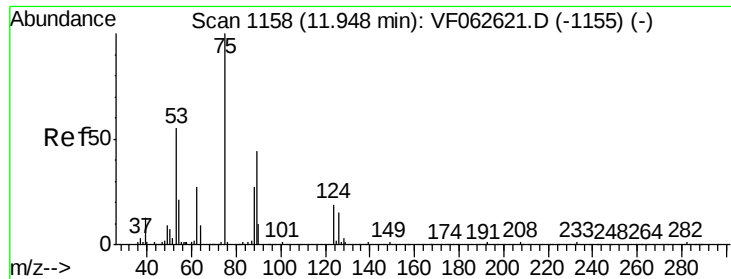
Tgt Ion:105 Resp: 247

Ion Ratio Lower Upper

105 100

120 58.4 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 274.015 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

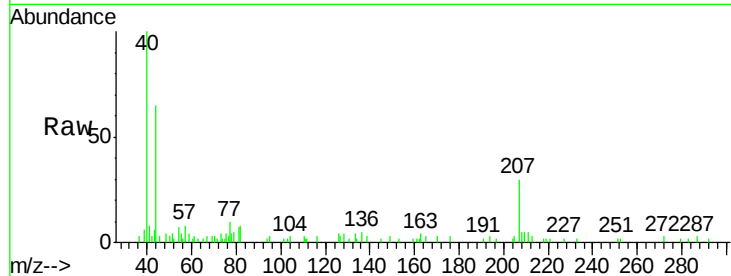
Tot Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

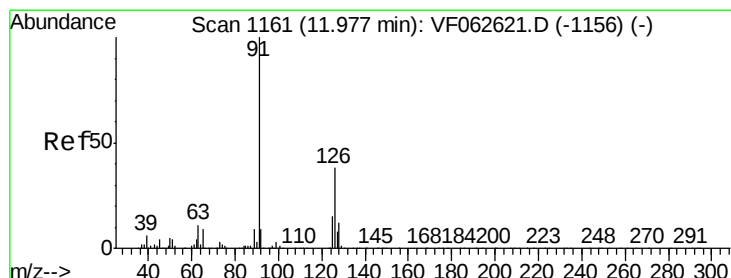
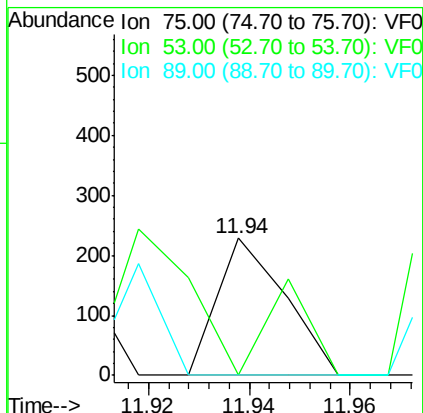
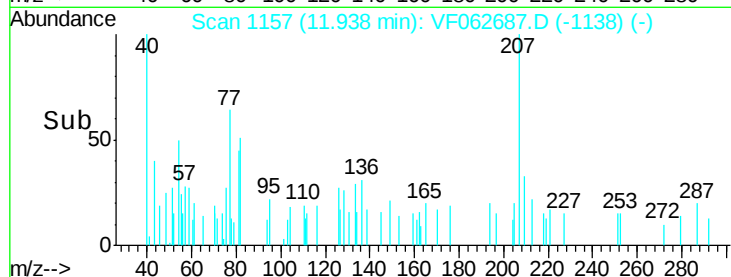
89 0.0 36.4 54.6#



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: 74.602 ug/l

RT: 12.03 min Scan# 1166

Delta R.T. 0.05 min

Lab File: VF062687.D

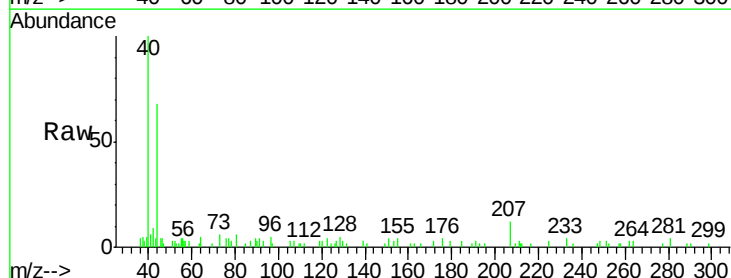
Acq: 21 May 2019 17:11

Tgt Ion: 91 Resp: 633

Ion Ratio Lower Upper

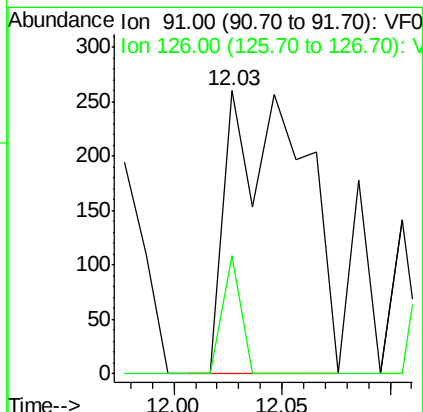
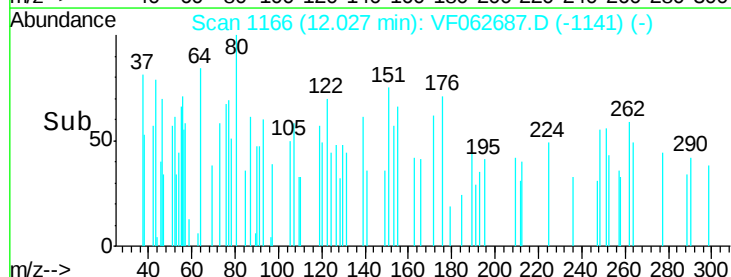
91 100

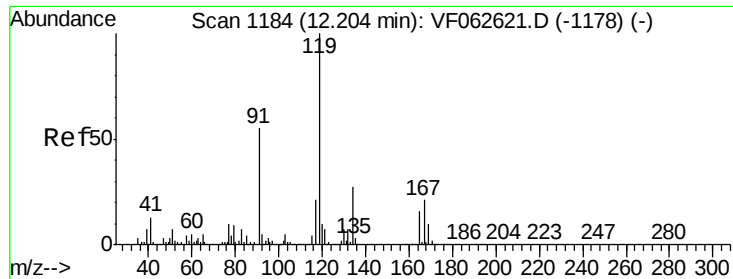
126 41.5 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 23.059 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

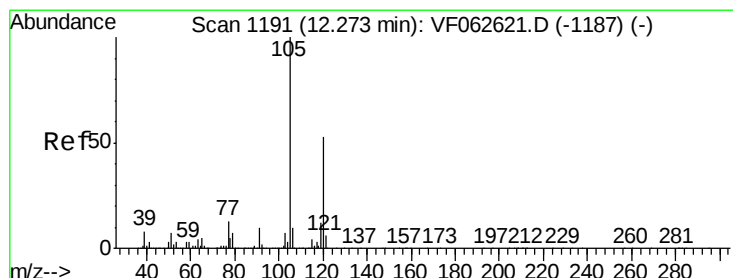
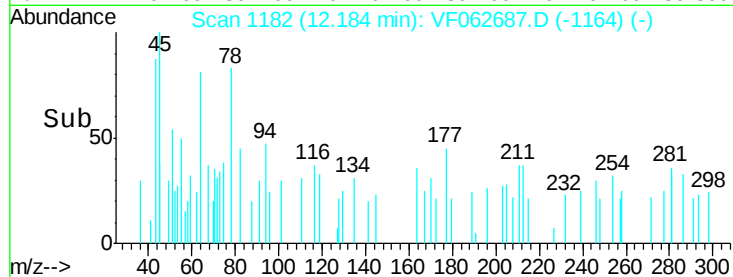
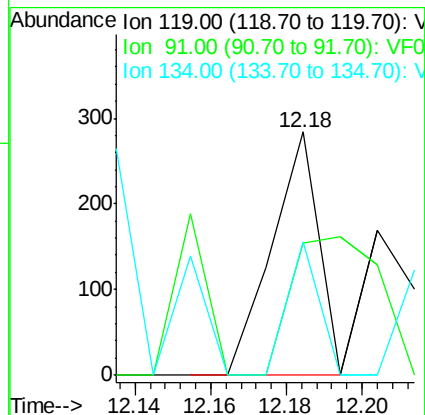
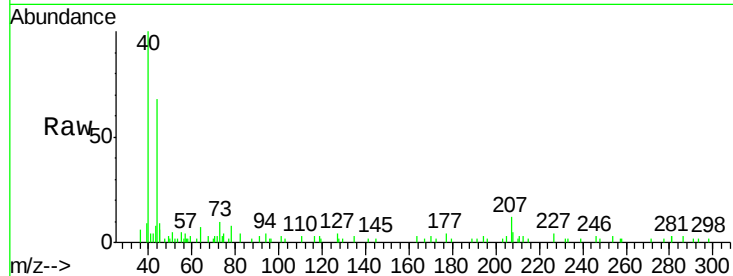
Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

Tot Ion:	119	Resp:	242
Ion	Ratio	Lower	Upper
119	100		
91	54.2	27.3	81.9
134	54.9	13.6	40.7#



#84

1,2,4-Trimethylbenzene

Concen: 18.378 ug/l

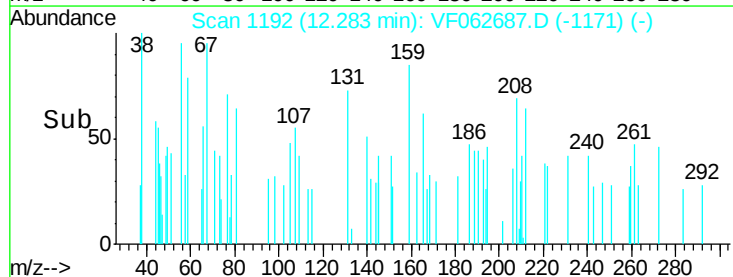
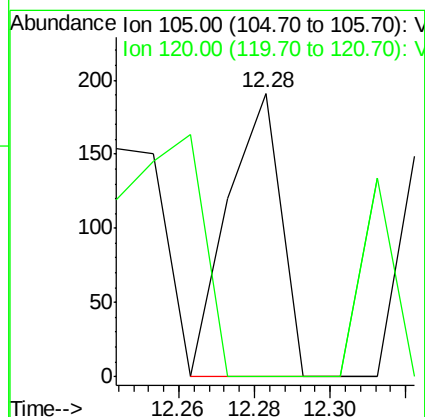
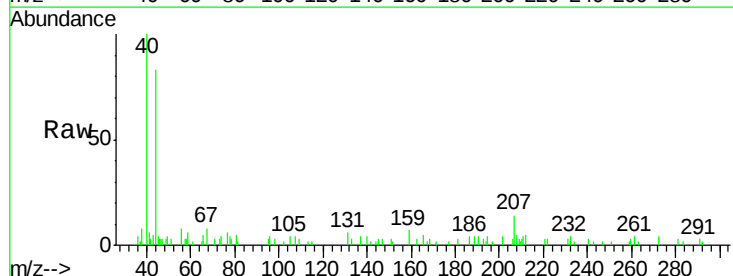
RT: 12.28 min Scan# 1192

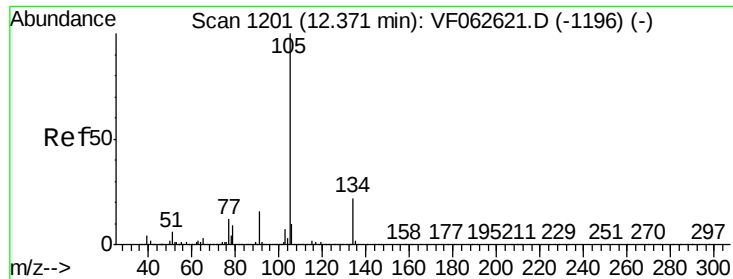
Delta R.T. 0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Tgt Ion:	105	Resp:	184
Ion	Ratio	Lower	Upper
105	100		
120	0.0	26.7	80.1#

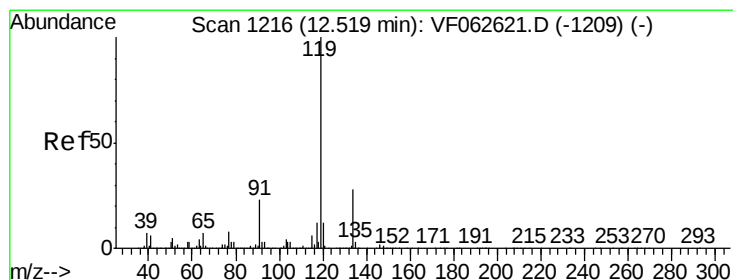
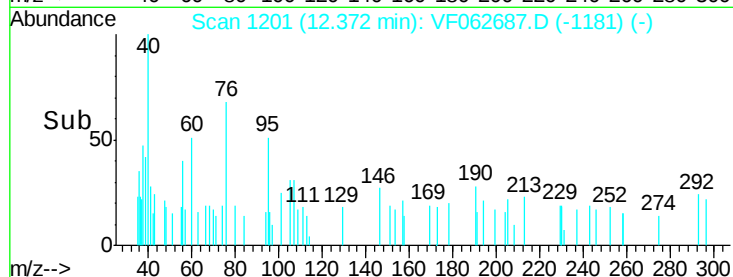
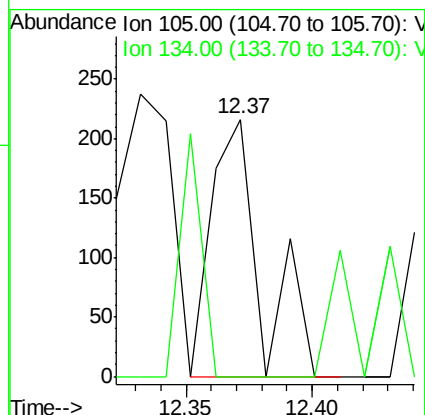
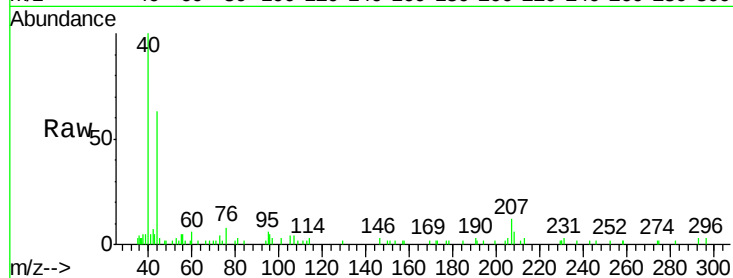




#85
 sec-Butylbenzene
 Concen: 21.300 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

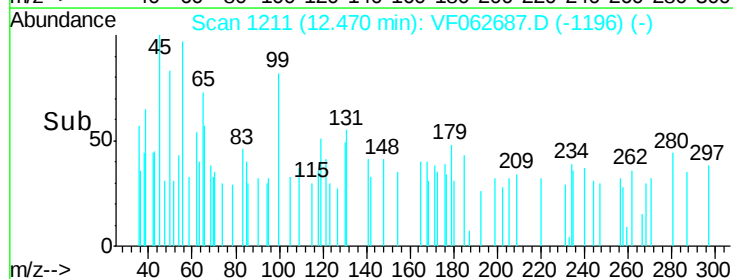
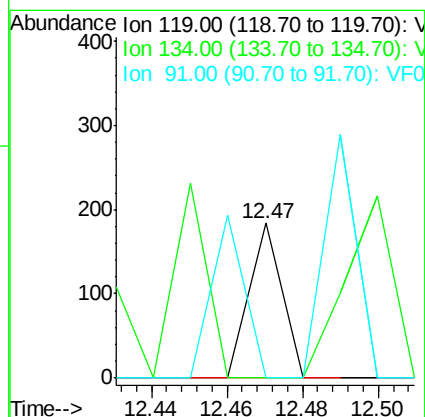
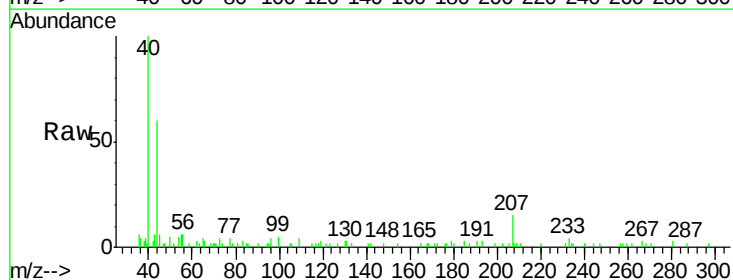
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

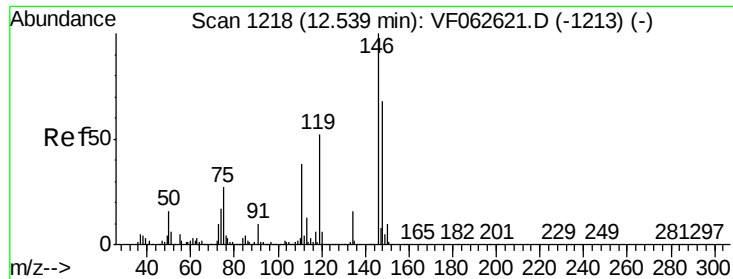
Tot Ion:105 Resp: 300
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 9.183 ug/l
 RT: 12.47 min Scan# 1211
 Delta R.T. -0.05 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion:119 Resp: 109
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 0.0 11.4 34.2#

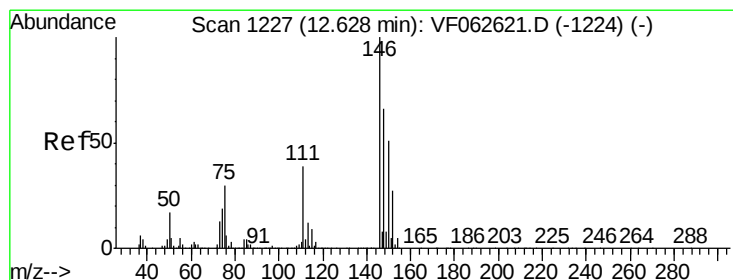
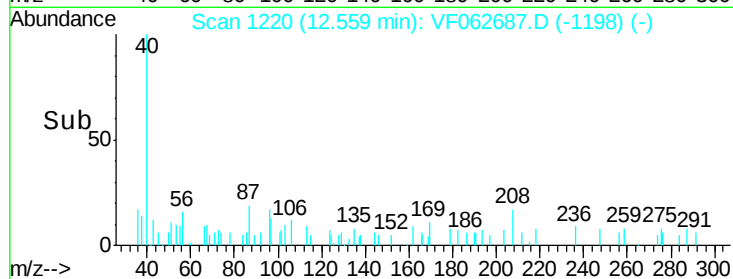
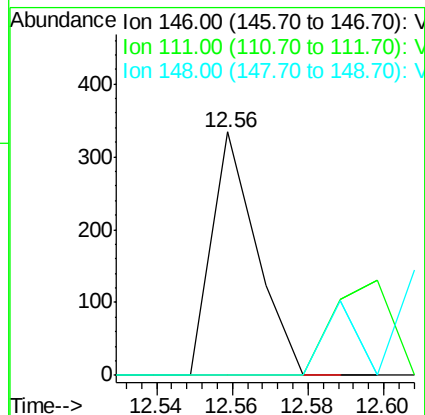
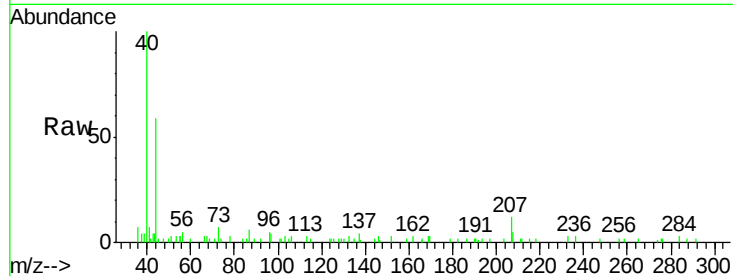




#87
 1,3-Dichlorobenzene
 Concen: 46.711 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.02 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

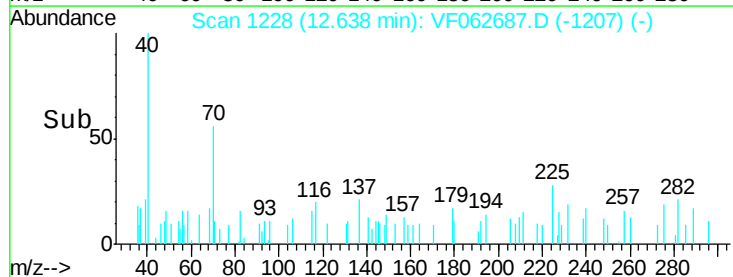
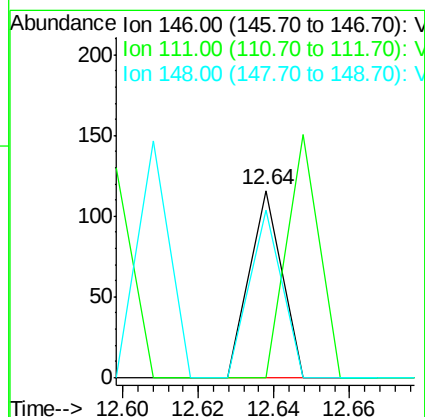
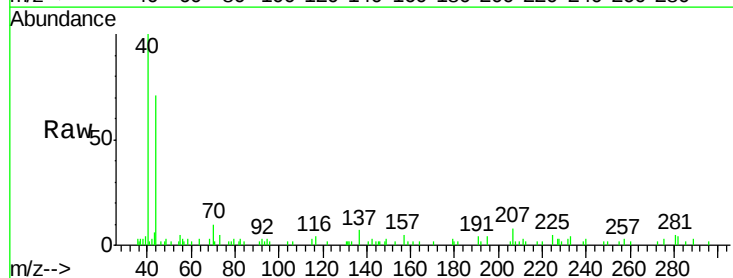
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

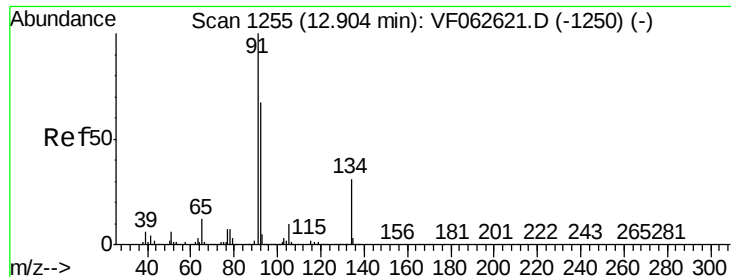
Tot Ion:146 Resp: 271
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 0.0 34.0 101.8#



#88
 1,4-Dichlorobenzene
 Concen: 12.673 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062687.D
 Acq: 21 May 2019 17:11

Tgt Ion:146 Resp: 69
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.2#
 148 89.7 33.2 99.6





#89

n-Butylbenzene

Concen: 24.523 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. 0.04 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

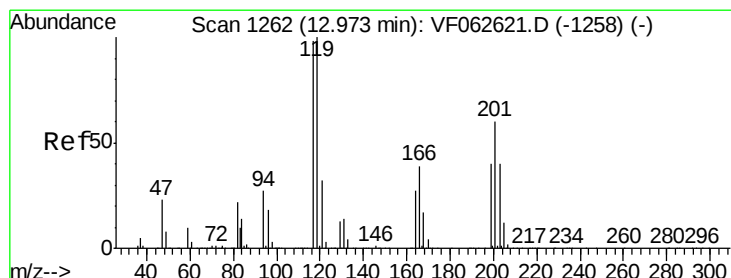
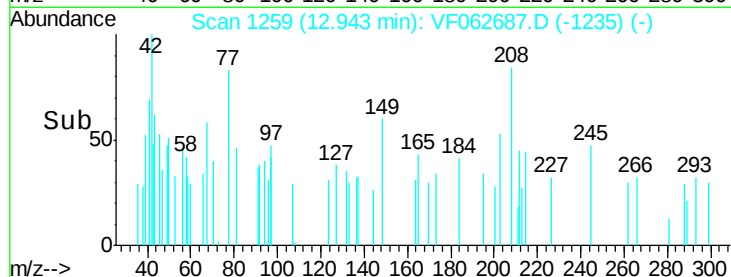
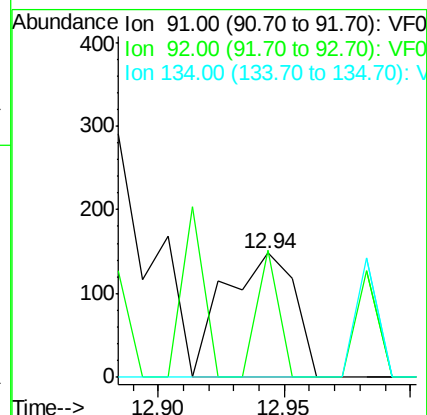
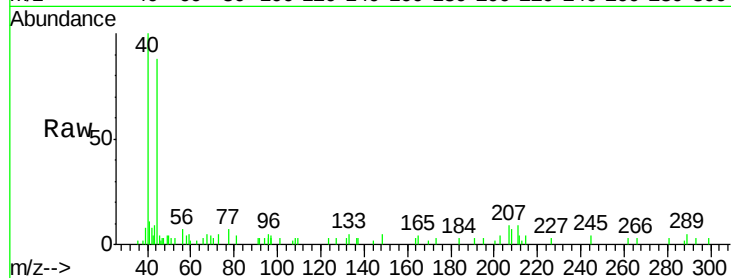
Tot Ion: 91 Resp: 287

Ion Ratio Lower Upper

91 100

92 102.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 41.441 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VF062687.D

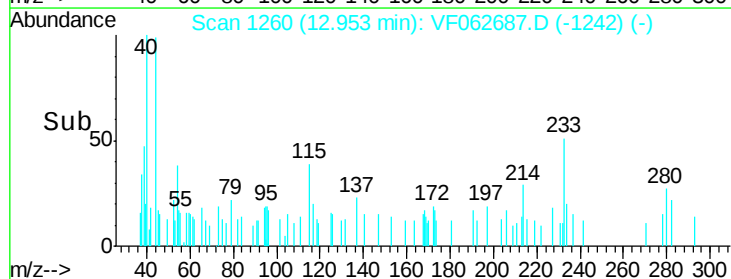
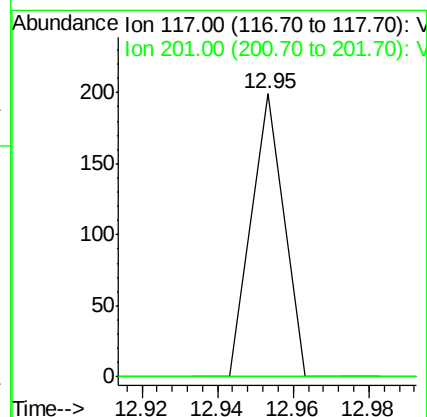
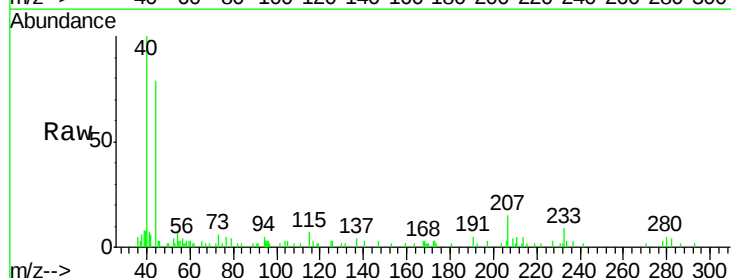
Acq: 21 May 2019 17:11

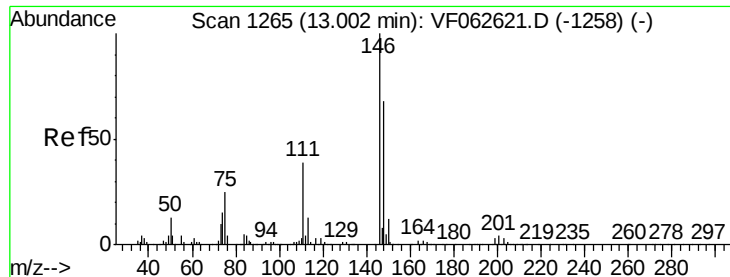
Tgt Ion: 117 Resp: 118

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 16.049 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

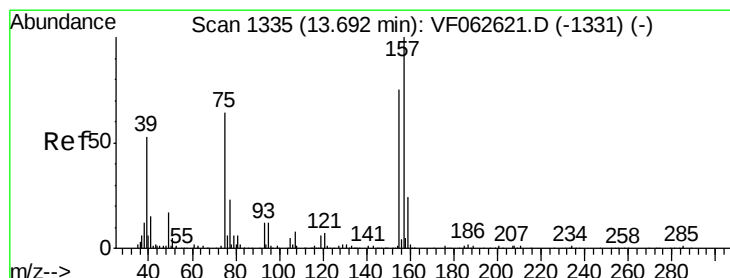
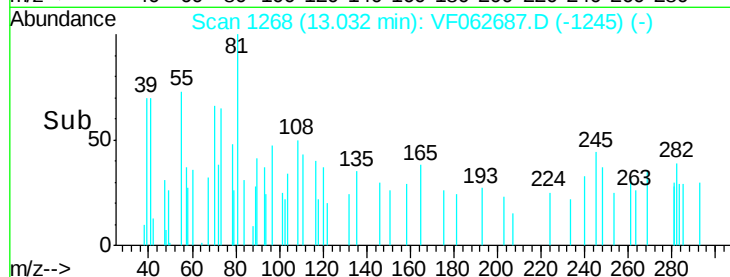
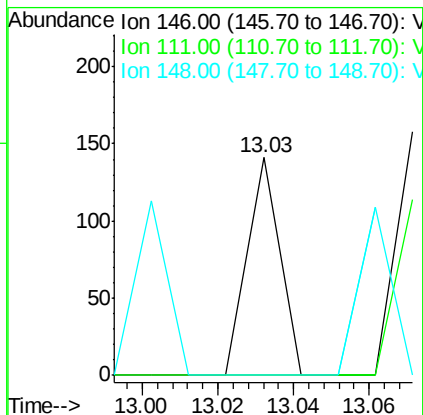
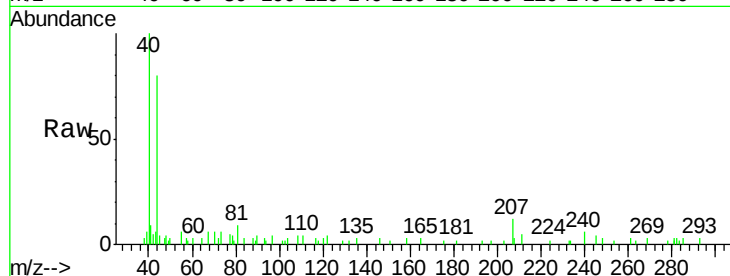
Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

Tot Ion:	146	Resp:	83
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 740.808 ug/l

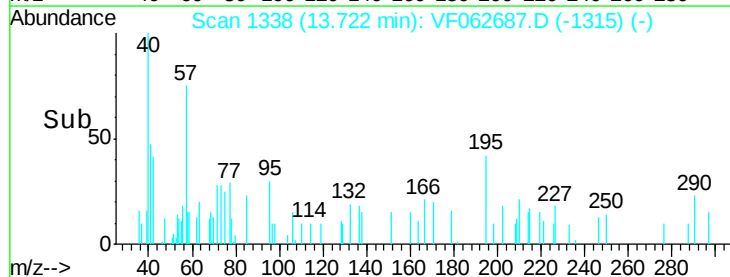
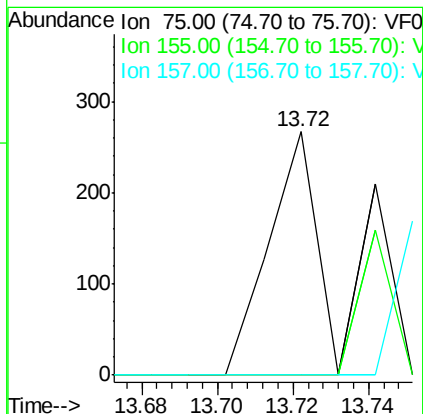
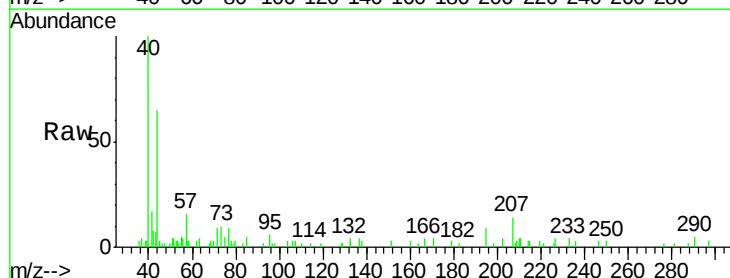
RT: 13.72 min Scan# 1338

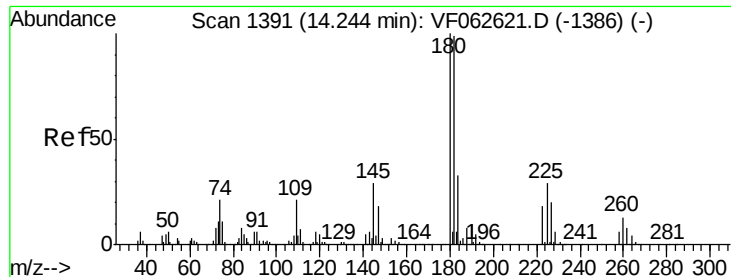
Delta R.T. 0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Tgt Ion:	75	Resp:	233
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	0.0	77.8	233.4#





#93

1,2,4-Trichlorobenzene

Concen: 24.583 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.03 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

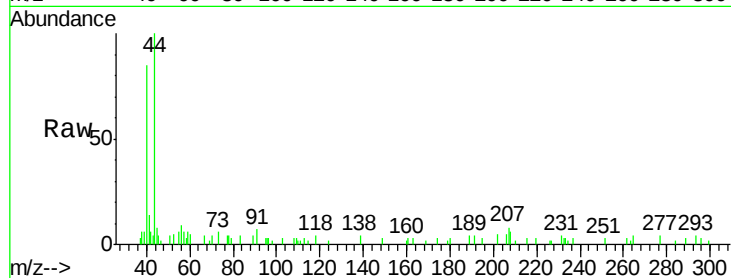
Tot Ion:180 Resp: 91

Ion Ratio Lower Upper

180 100

182 0.0 49.7 149.1#

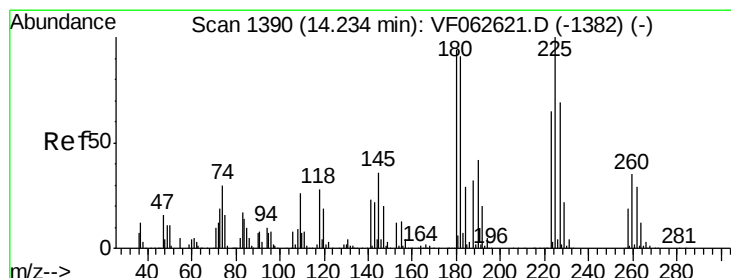
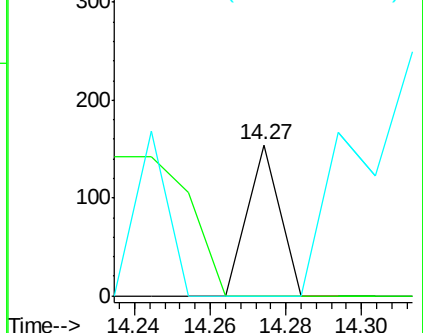
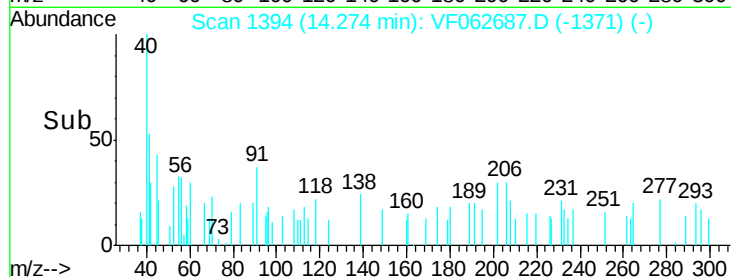
145 0.0 14.6 44.0#



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



#94

Hexachlorobutadiene

Concen: 55.741 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

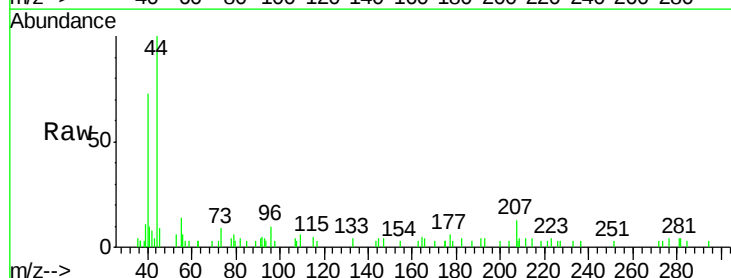
Tgt Ion:225 Resp: 144

Ion Ratio Lower Upper

225 100

223 121.3 32.5 97.4#

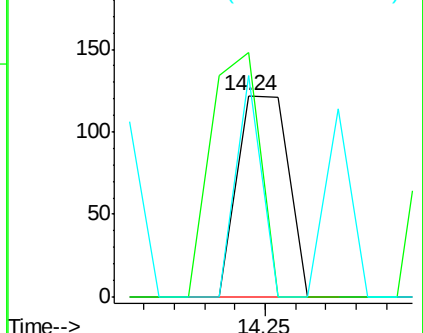
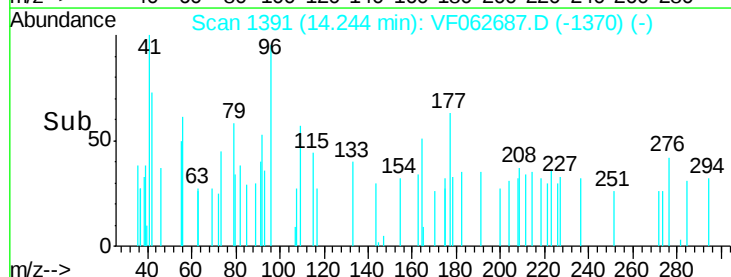
227 109.8 34.5 103.5#

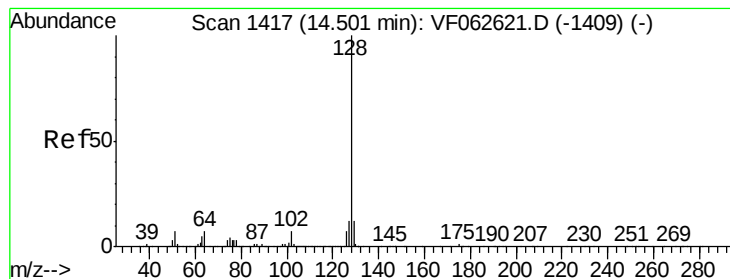


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 15.613 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-2-052019

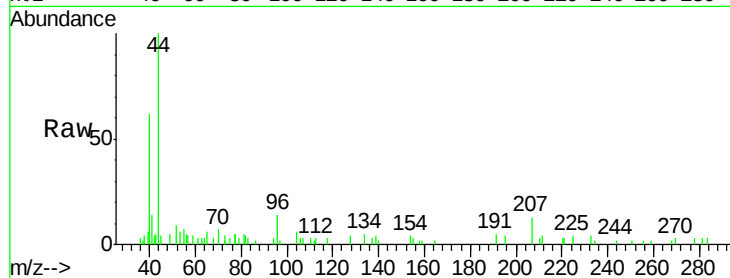
Tot Ion:128 Resp: 105

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

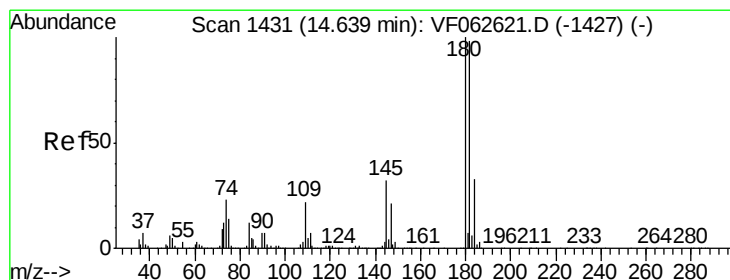
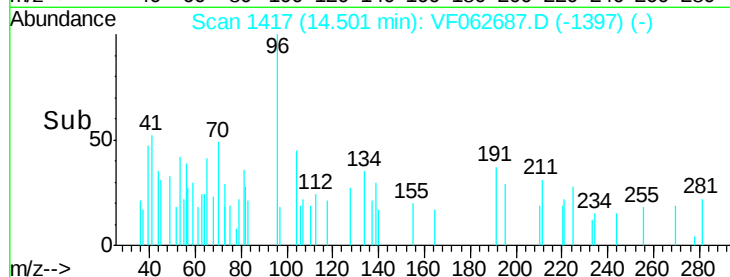
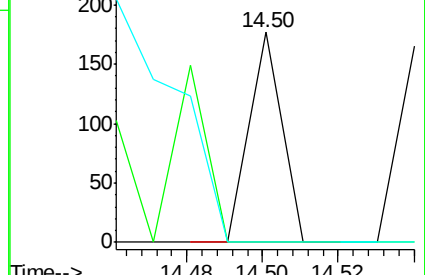
129 0.0 9.3 13.9#



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: 24.241 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.02 min

Lab File: VF062687.D

Acq: 21 May 2019 17:11

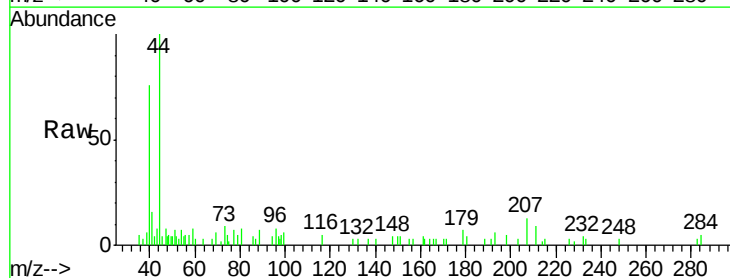
Tgt Ion:180 Resp: 85

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 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

