

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062607.D
 Acq On : 15 May 2019 14:28
 Operator : FY/SY
 Sample : K2703-01
 Misc : 9.76g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

Quant Time: May 15 14:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.11	168	227	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.87	114	128	50.00	ug/l	0.06
63) Chlorobenzene-d5	10.07	117	626	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.55	152	118	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	560	326.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	653.10%	
35) Dibromofluoromethane	4.35	113	98	102.87	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	205.74%	
50) Toluene-d8	7.81	98	267	118.94	ug/l	0.07
Spiked Amount				50.000		
			Recovery	=	237.88%	
62) 4-Bromofluorobenzene	11.61	95	378	482.14	ug/l	0.10
Spiked Amount				50.000		
			Recovery	=	964.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	229	120.838	ug/l	73
3) Chloromethane	1.15	50	720	278.127	ug/l #	82
4) Vinyl Chloride	1.17	62	127	49.292	ug/l #	42
5) Bromomethane	1.34	94	626	Below Cal		95
6) Chloroethane	1.52	64	835	853.400	ug/l	94
7) Trichlorofluoromethane	1.71	101	260	73.651	ug/l	87
8) Diethyl Ether	1.70	74	290	366.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	221	91.779	ug/l #	23
10) Methyl Iodide	1.99	142	85	19.820	ug/l #	36
11) Tert butyl alcohol	2.67	59	109	1055.710	ug/l #	1
12) 1,1-Dichloroethene	1.91	96	742	359.717	ug/l #	28
13) Acrolein	2.09	56	745	10887.694	ug/l	82
14) Allyl chloride	2.22	41	1081	512.162	ug/l #	39
15) Acrylonitrile	3.12	53	305	825.806	ug/l #	1
16) Acetone	2.28	43	727	2089.232	ug/l	91
17) Carbon Disulfide	1.91	76	395	98.530	ug/l #	1
18) Methyl Acetate	2.33	43	481	741.786	ug/l	90
19) Methyl tert-butyl Ether	2.59	73	1007	274.187	ug/l #	56
20) Methylene Chloride	2.33	84	276	Below Cal	#	39
21) trans-1,2-Dichloroethene	2.47	96	340	163.556	ug/l #	47
22) Diisopropyl ether	2.99	45	689	140.397	ug/l #	1
23) Vinyl Acetate	3.37	43	509	189.625	ug/l #	75
24) 1,1-Dichloroethane	3.06	63	290	77.627	ug/l #	4
25) 2-Butanone	4.57	43	959	1219.033	ug/l #	52
26) 2,2-Dichloropropane	3.76	77	715	354.627	ug/l	88
27) cis-1,2-Dichloroethene	3.75	96	1669	568.266	ug/l	1
28) Bromochloromethane	3.94	49	386	183.815	ug/l #	14
29) Tetrahydrofuran	4.29	42	200	600.772	ug/l #	20
30) Chloroform	4.11	83	368	82.093	ug/l	100
31) Cyclohexane	3.96	56	418	107.355	ug/l #	23
32) 1,1,1-Trichloroethane	4.37	97	60	19.857	ug/l #	22
36) 1,1-Dichloropropene	4.57	75	418	377.399	ug/l #	69
37) Ethyl Acetate	4.36	43	407	894.216	ug/l #	1
38) Carbon Tetrachloride	4.26	117	73	80.345	ug/l #	11

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.75	83	234	180.445	ug/l #	15
40) Benzene	4.88	78	797	252.937	ug/l #	73
41) Methacrylonitrile	5.04	41	877	3402.625	ug/l #	48
42) 1,2-Dichloroethane	5.17	62	213	318.552	ug/l #	71
43) Isopropyl Acetate	7.22	43	430	798.377	ug/l #	1
44) Trichloroethene	5.82	130	69	81.085	ug/l #	47
45) 1,2-Dichloropropane	6.51	63	478	602.675	ug/l #	1
46) Dibromomethane	6.34	93	155	349.549	ug/l #	5
47) Bromodichloromethane	6.63	83	139	145.816	ug/l #	26
48) Methyl methacrylate	6.99	41	817	2771.281	ug/l #	51
49) 1,4-Dioxane	6.99	88	68	17503.582	ug/l #	1
51) 4-Methyl-2-Pentanone	8.53	43	534	1353.121	ug/l #	34
52) Toluene	8.03	92	164	103.684	ug/l #	90
53) t-1,3-Dichloropropene	8.52	75	206	273.541	ug/l #	1
54) cis-1,3-Dichloropropene	7.58	75	339	318.544	ug/l #	1
55) 1,1,2-Trichloroethane	8.75	97	349	736.921	ug/l #	14
56) Ethyl methacrylate	8.90	69	999	1924.628	ug/l #	58
57) 1,3-Dichloropropane	9.09	76	203	259.704	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.53	63	249	1533.170	ug/l #	53
59) 2-Hexanone	9.73	43	1051	4032.378	ug/l #	22
60) Dibromochloromethane	9.03	129	79	131.291	ug/l #	86
61) 1,2-Dibromoethane	9.39	107	143	301.058	ug/l #	98
64) Tetrachloroethene	8.32	164	68	16.439	ug/l #	1
65) Chlorobenzene	9.97	112	115	10.567	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.10	131	66	14.765	ug/l #	42
67) Ethyl Benzene	10.03	91	470	24.307	ug/l #	44
68) m/p-Xylenes	10.29	106	79	11.527	ug/l #	41
69) o-Xylene	10.83	106	156	21.699	ug/l #	23
70) Styrene	10.91	104	168	15.379	ug/l #	28
71) Bromoform	10.97	173	80	38.009	ug/l #	29
73) Isopropylbenzene	11.22	105	141	17.772	ug/l #	48
74) N-amyl acetate	11.45	43	558	289.650	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	11.81	83	232	142.735	ug/l #	6
76) 1,2,3-Trichloropropane	11.82	75	601	576.768	ug/l #	78
77) Bromobenzene	11.57	156	88	49.082	ug/l #	44
78) n-propylbenzene	11.68	91	67	7.100	ug/l #	52
79) 2-Chlorotoluene	11.80	91	263	50.498	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.92	105	66	10.627	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.98	75	420	945.655	ug/l #	31
82) 4-Chlorotoluene	12.07	91	413	81.101	ug/l #	75
83) tert-Butylbenzene	12.19	119	313	48.180	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.26	105	149	24.424	ug/l #	43
85) sec-Butylbenzene	12.39	105	242	27.438	ug/l #	1
86) p-Isopropyltoluene	12.53	119	227	31.266	ug/l #	1
87) 1,3-Dichlorobenzene	12.58	146	114	32.508	ug/l #	73
88) 1,4-Dichlorobenzene	12.65	146	118	35.870	ug/l #	73
89) n-Butylbenzene	12.92	91	295	39.917	ug/l #	28
90) Hexachloroethane	12.86	117	93	50.007	ug/l #	91
91) 1,2-Dichlorobenzene	12.96	146	60	19.286	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	255	1277.211	ug/l #	1

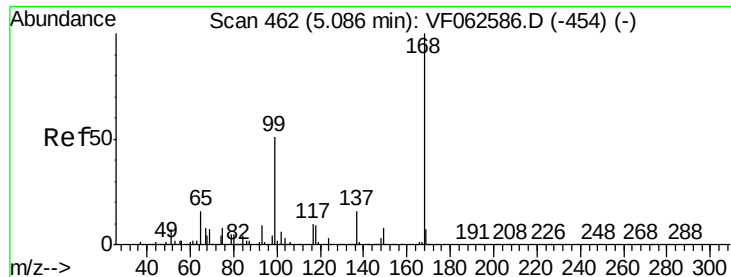
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	75	34.668	ug/l #	12
94) Hexachlorobutadiene	14.24	225	182	115.811	ug/l #	28
95) Naphthalene	14.46	128	169	47.995	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.63	180	149	74.242	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.11 min Scan# 464

Delta R.T. 0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

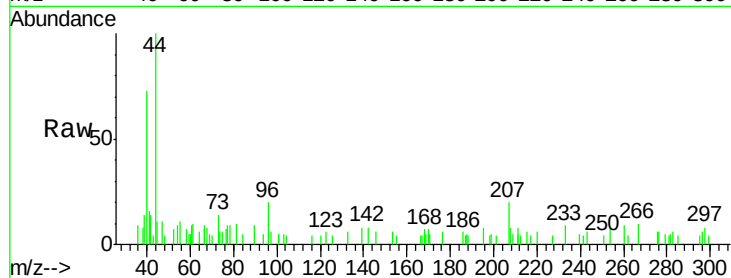
P-3-OW(0-10)

Tot Ion:168 Resp: 227

Ion Ratio Lower Upper

168 100

99 0.0 41.0 61.6#



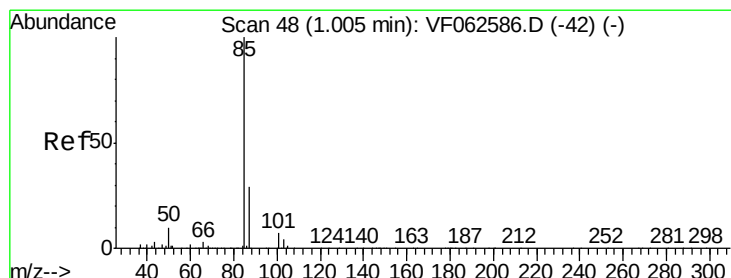
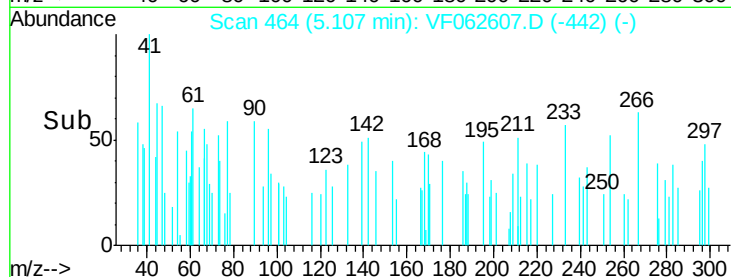
Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.11

5.08 5.10 5.12 5.14

Time-->



#2

Dichlorodifluoromethane

Concen: 120.838 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.05 min

Lab File: VF062607.D

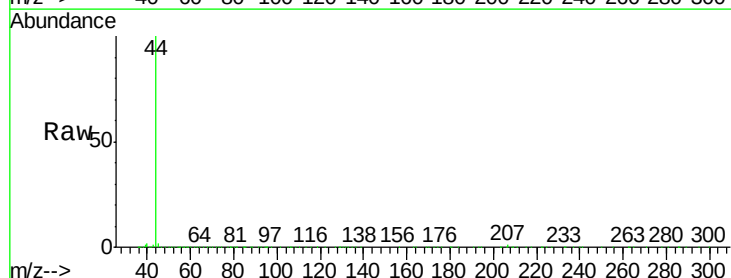
Acq: 15 May 2019 14:28

Tgt Ion: 85 Resp: 229

Ion Ratio Lower Upper

85 100

87 43.6 14.6 43.8



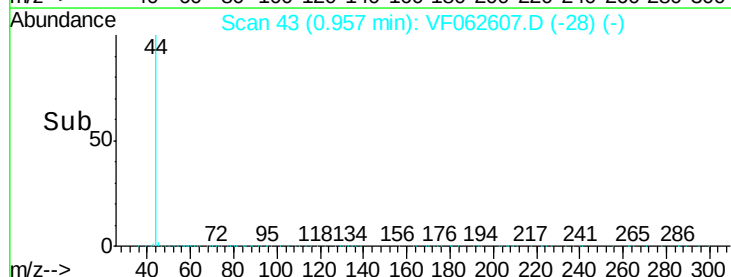
Abundance Ion 85.00 (84.70 to 85.70): VF0

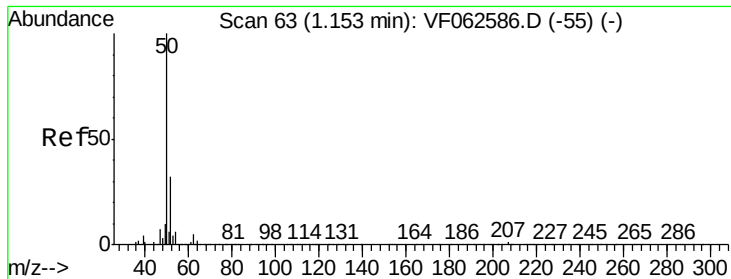
Ion 87.00 (86.70 to 87.70): VF0

0.96

0.94 0.96 0.98

Time-->





#3

Chloromethane

Concen: 278.127 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

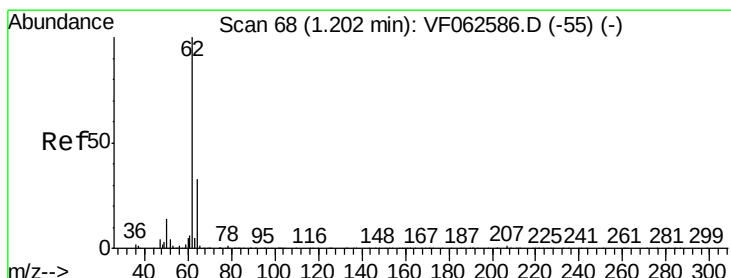
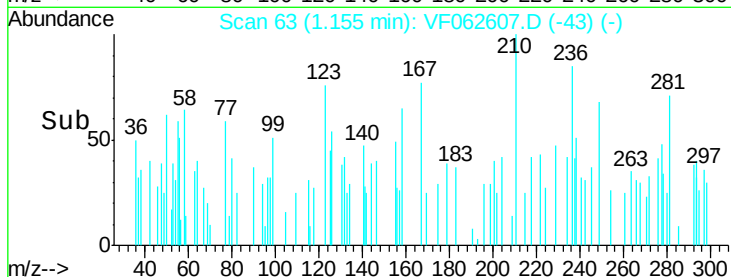
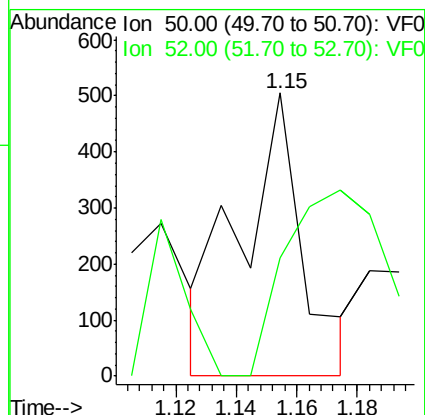
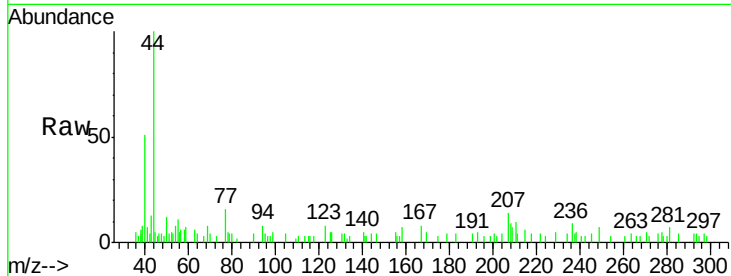
P-3-OW(0-10)

Tot Ion: 50 Resp: 720

Ion Ratio Lower Upper

50 100

52 41.6 25.3 37.9#



#4

Vinyl Chloride

Concen: 49.292 ug/l

RT: 1.17 min Scan# 65

Delta R.T. -0.03 min

Lab File: VF062607.D

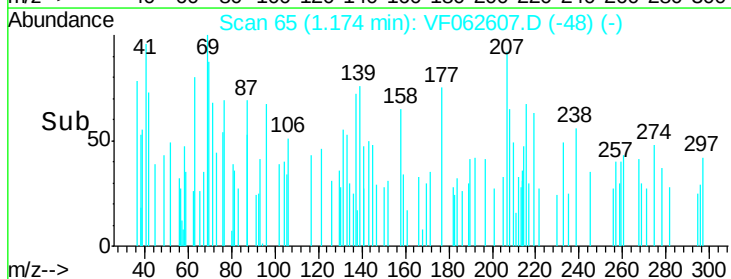
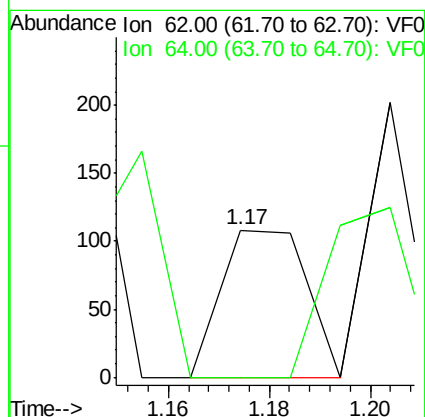
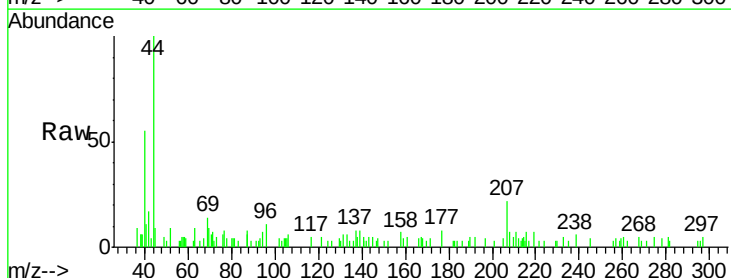
Acq: 15 May 2019 14:28

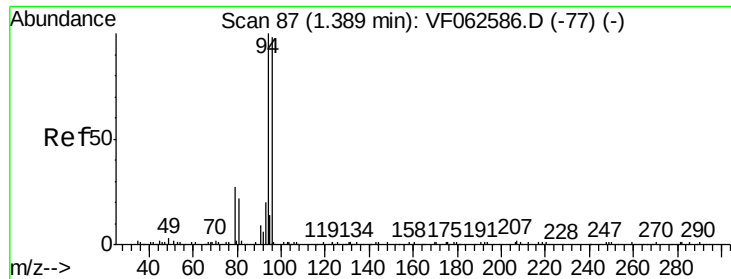
Tgt Ion: 62 Resp: 127

Ion Ratio Lower Upper

62 100

64 0.0 26.5 39.7#





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 82

Delta R.T. -0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

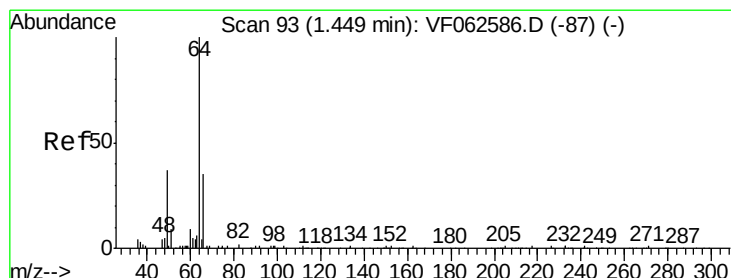
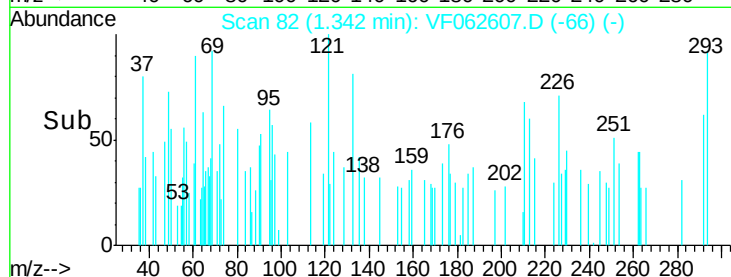
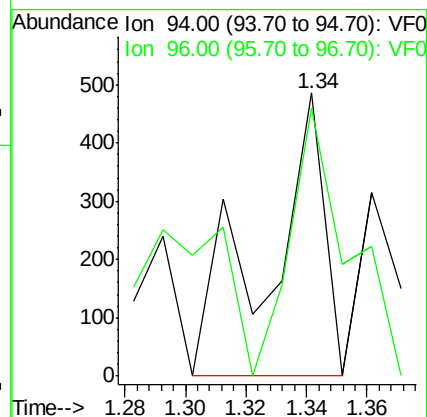
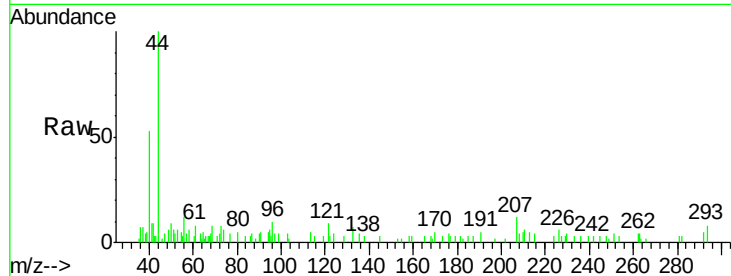
P-3-OW(0-10)

Tot Ion: 94 Resp: 626

Ion Ratio Lower Upper

94 100

96 94.4 79.3 118.9



#6

Chloroethane

Concen: 853.400 ug/l

RT: 1.52 min Scan# 100

Delta R.T. 0.07 min

Lab File: VF062607.D

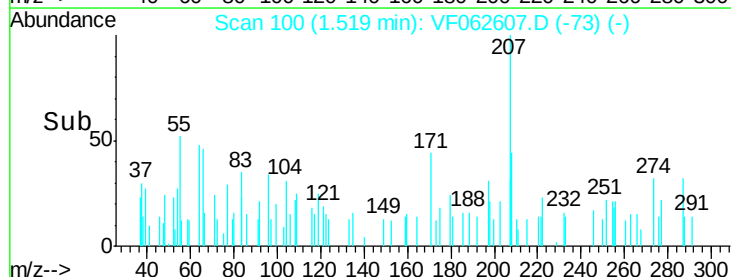
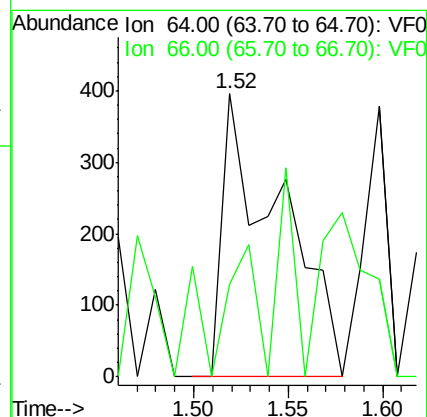
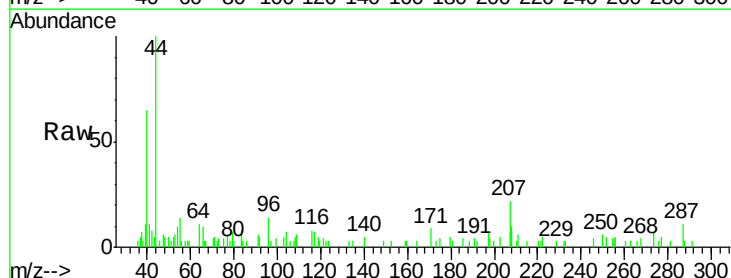
Acq: 15 May 2019 14:28

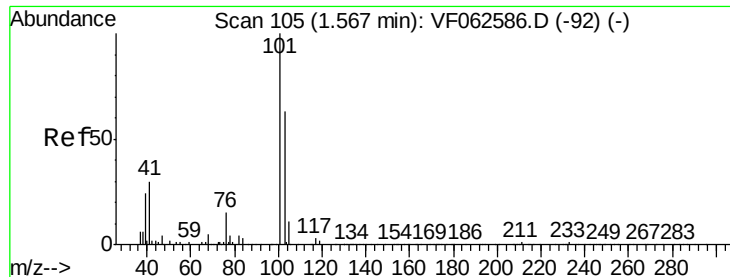
Tgt Ion: 64 Resp: 835

Ion Ratio Lower Upper

64 100

66 32.6 28.9 43.3



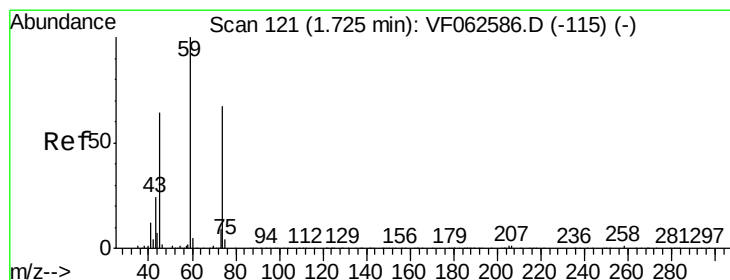
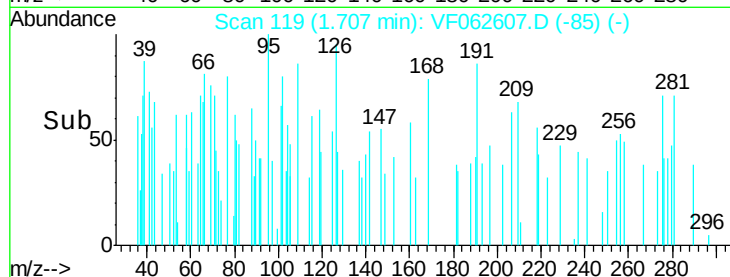
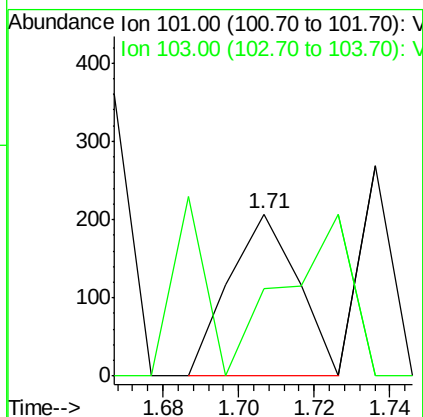
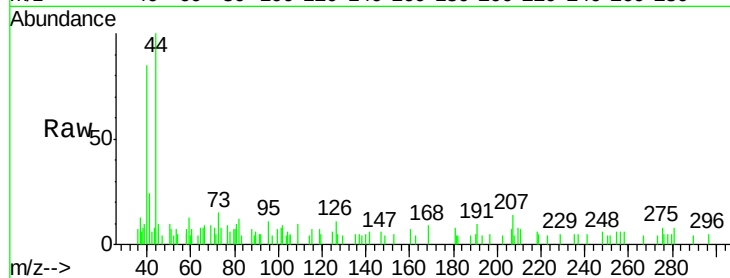


#7

Trichlorofluoromethane
 Concen: 73.651 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.14 min
 Lab File: VF062607.D
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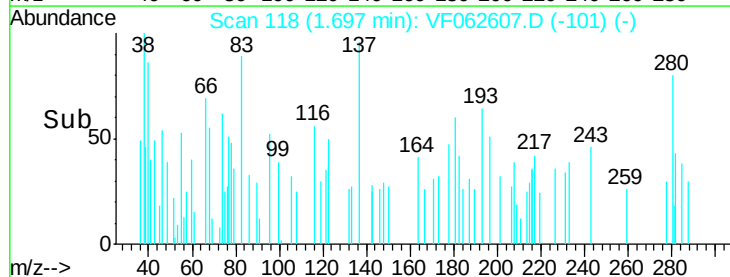
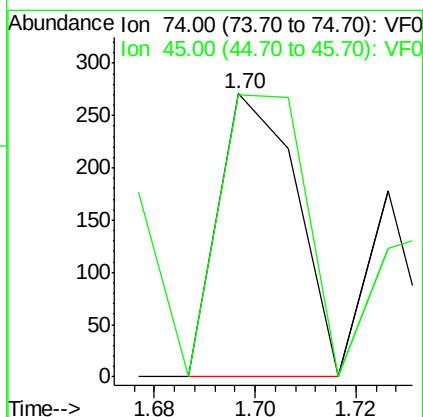
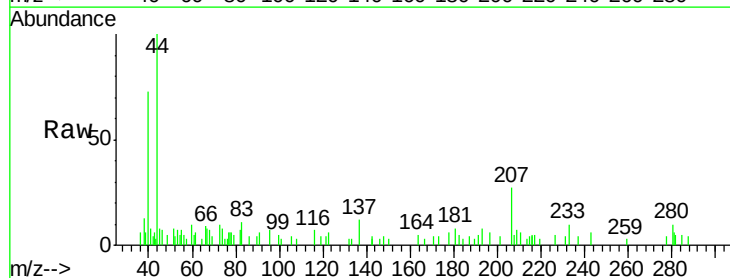
Tot Ion:101 Resp: 260
 Ion Ratio Lower Upper
 101 100
 103 53.6 50.8 76.2

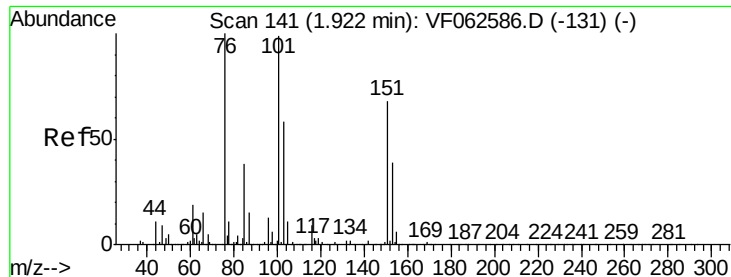


#8

Diethyl Ether
 Concen: 366.470 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.03 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Tgt Ion: 74 Resp: 290
 Ion Ratio Lower Upper
 74 100
 45 99.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.779 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampled :

P-3-OW(0-10)

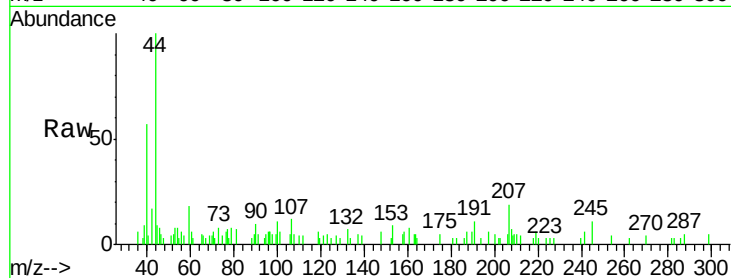
Tot Ion:101 Resp: 221

Ion Ratio Lower Upper

101 100

85 0.0 30.2 45.4#

151 0.0 54.5 81.7#

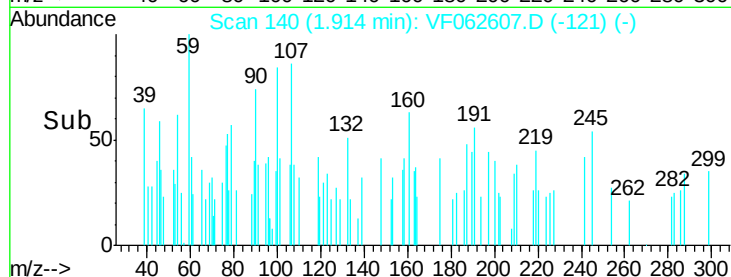


Abundance Ion 101.00 (100.70 to 101.70): V

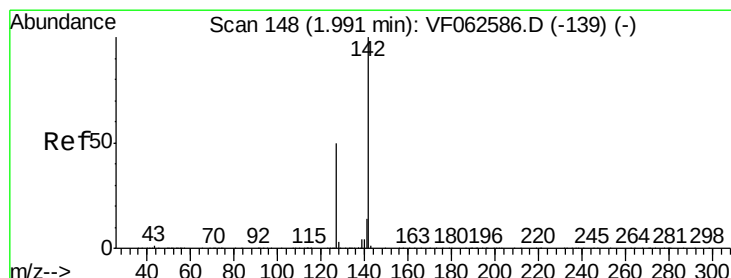
Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 19.820 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

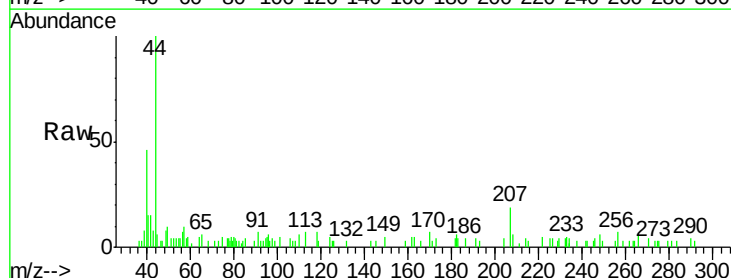
Tgt Ion:142 Resp: 85

Ion Ratio Lower Upper

142 100

127 0.0 40.2 60.4#

141 0.0 11.6 17.4#

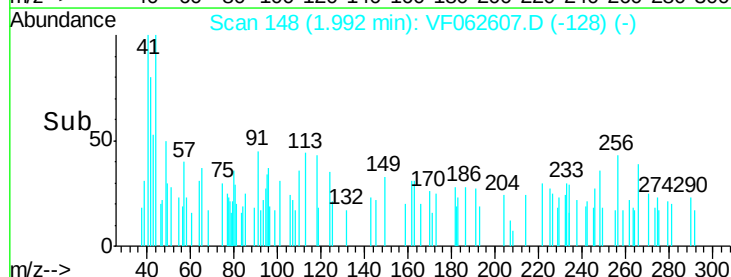


Abundance Ion 142.00 (141.70 to 142.70): V

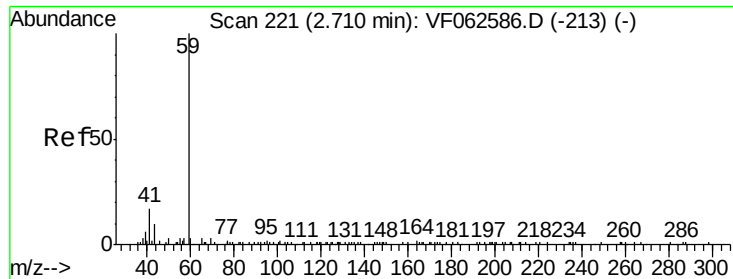
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

Time-->



Time-->

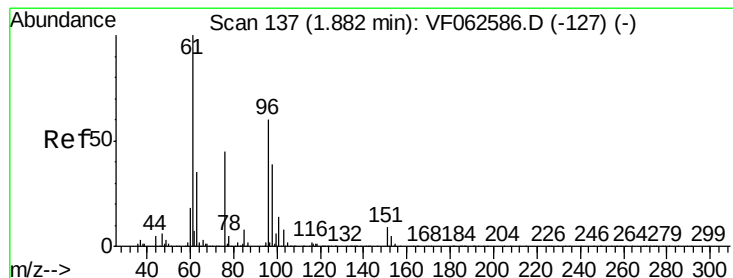
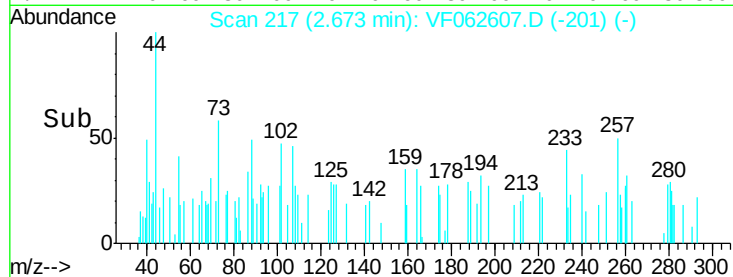
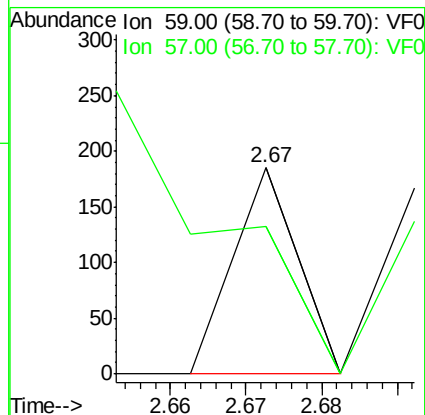
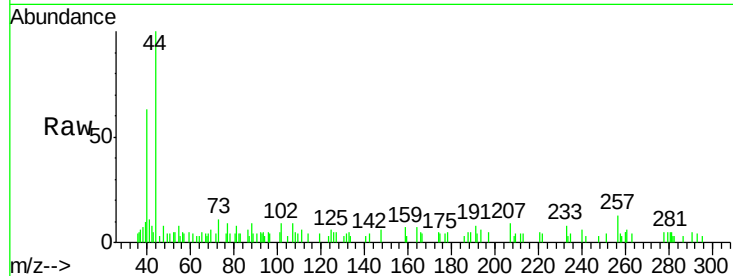


#11

Tert butyl alcohol
Concen: 1055.710 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.04 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

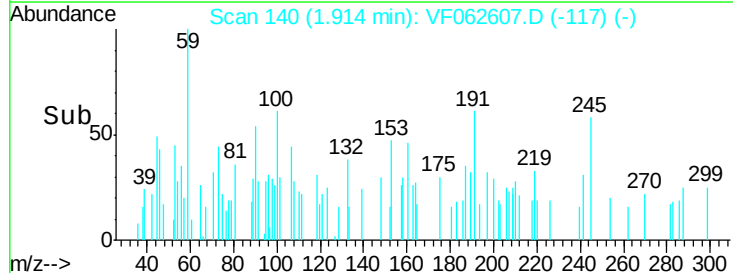
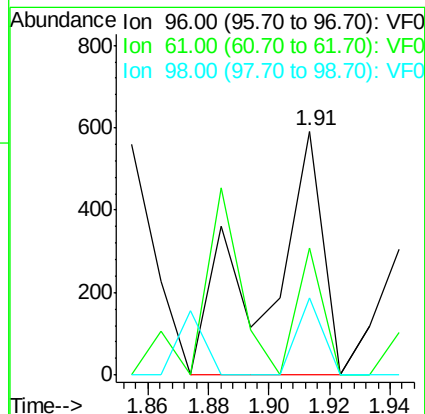
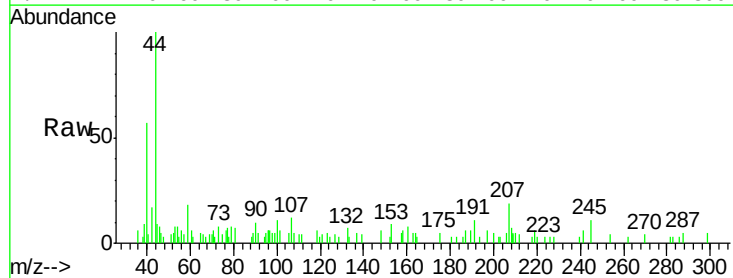
Tot Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 71.9 8.0 12.0#

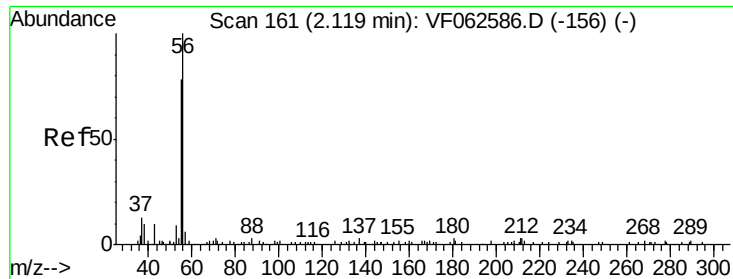


#12

1,1-Dichloroethene
Concen: 359.717 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.03 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 96 Resp: 742
Ion Ratio Lower Upper
96 100
61 51.9 132.0 198.0#
98 31.6 51.3 76.9#





#13

Acrolein

Concen: 10887.694 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.03 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

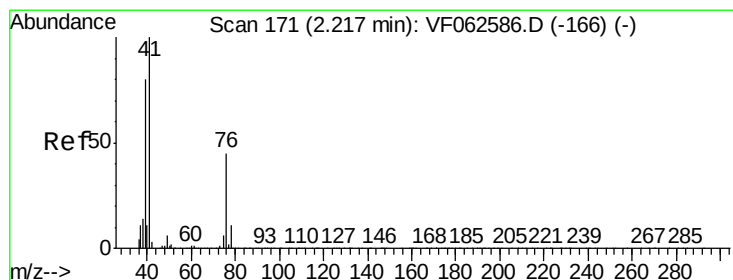
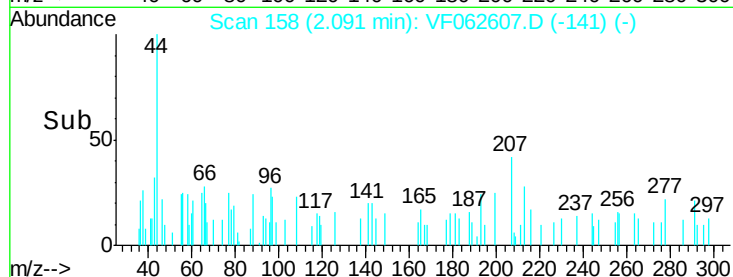
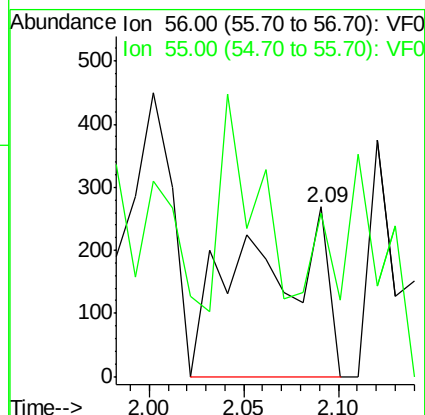
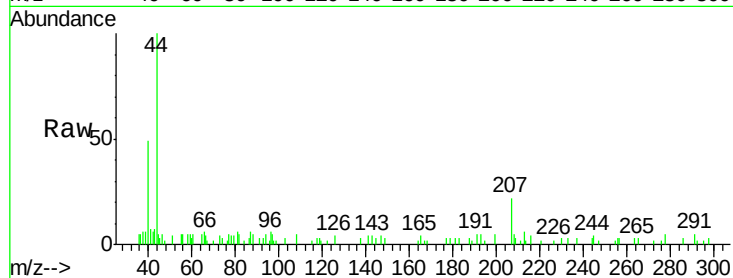
P-3-OW(0-10)

Tot Ion: 56 Resp: 745

Ion Ratio Lower Upper

56 100

55 96.3 64.6 96.8



#14

Allyl chloride

Concen: 512.162 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

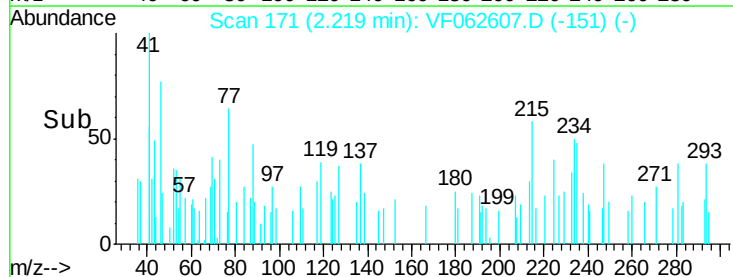
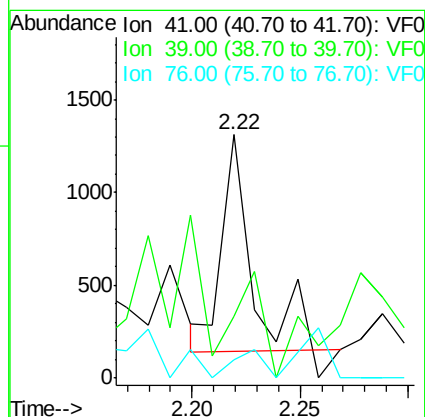
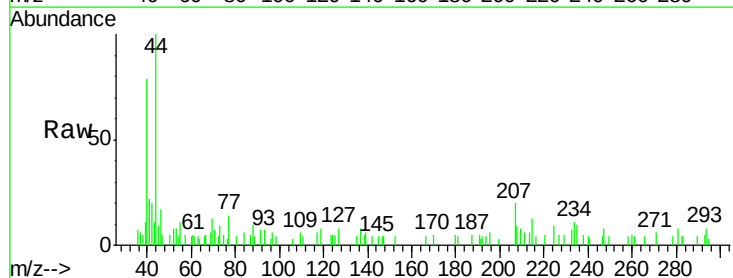
Tgt Ion: 41 Resp: 1081

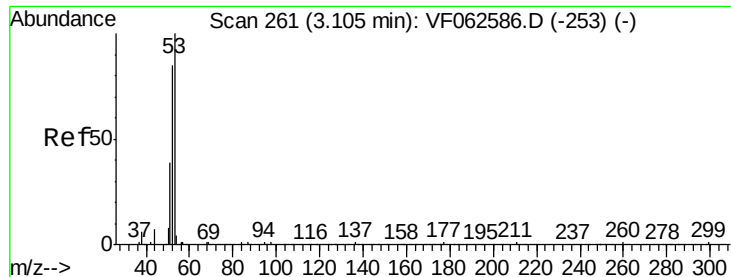
Ion Ratio Lower Upper

41 100

39 25.3 64.6 96.8#

76 7.6 36.1 54.1#





#15

Acrylonitrile

Concen: 825.806 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

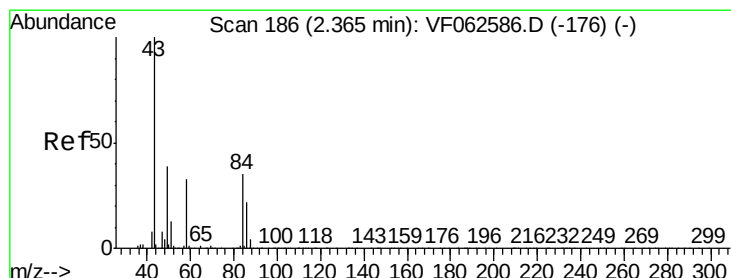
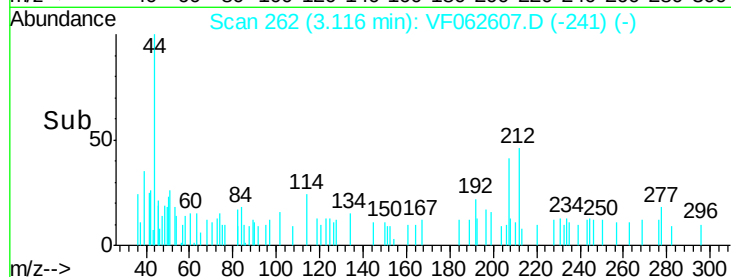
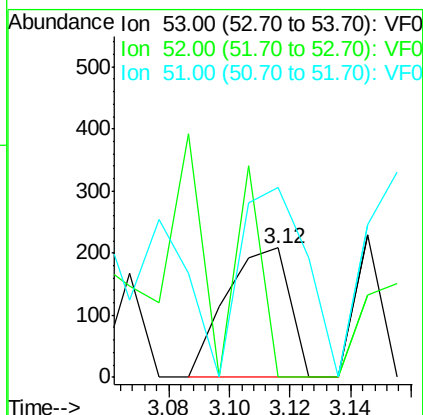
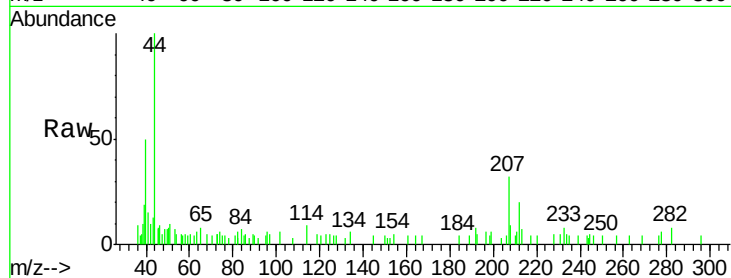
Tot Ion: 53 Resp: 305

Ion Ratio Lower Upper

53 100

52 0.0 68.3 102.5#

51 147.1 31.5 47.3#



#16

Acetone

Concen: 2089.232 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.09 min

Lab File: VF062607.D

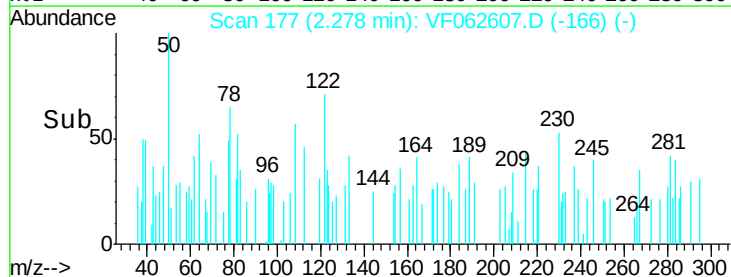
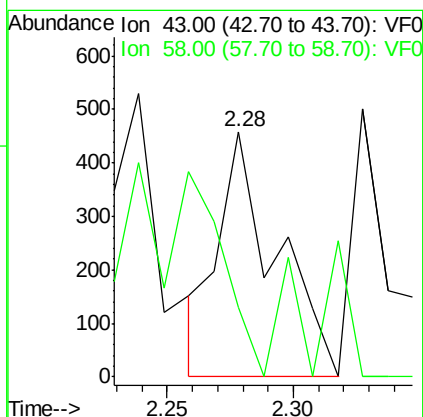
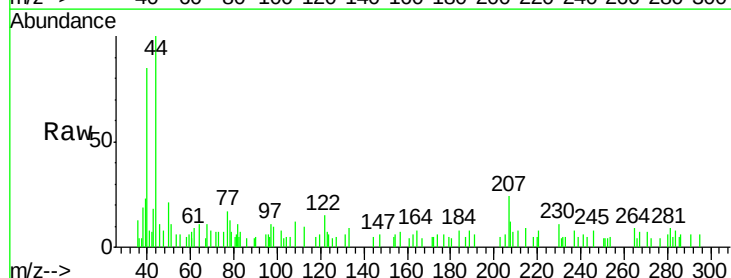
Acq: 15 May 2019 14:28

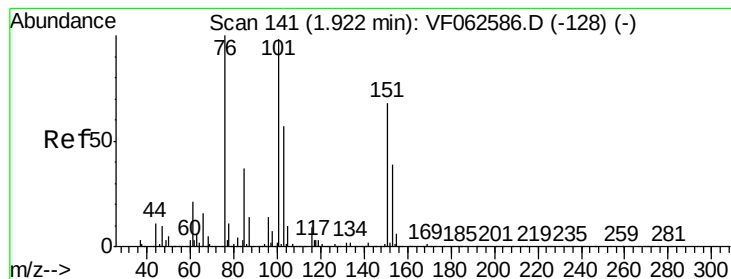
Tgt Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

58 28.5 26.7 40.1





#17

Carbon Disulfide

Concen: 98.530 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

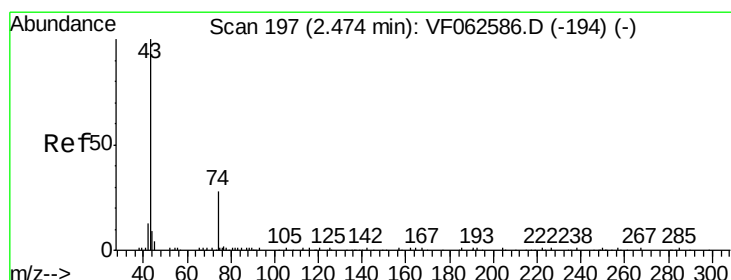
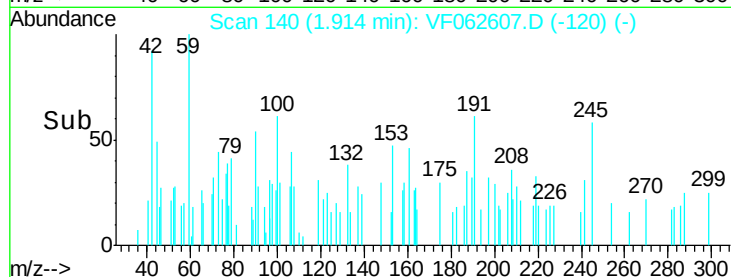
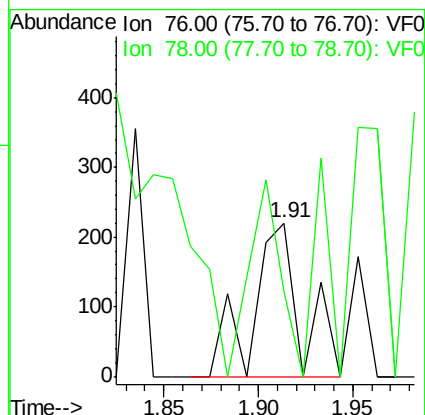
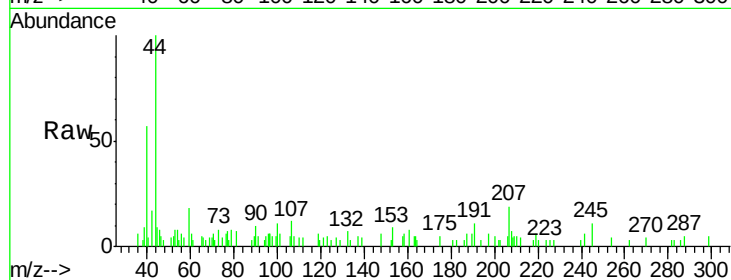
P-3-OW(0-10)

Tot Ion: 76 Resp: 395

Ion Ratio Lower Upper

76 100

78 55.5 9.0 13.4#



#18

Methyl Acetate

Concen: 741.786 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.15 min

Lab File: VF062607.D

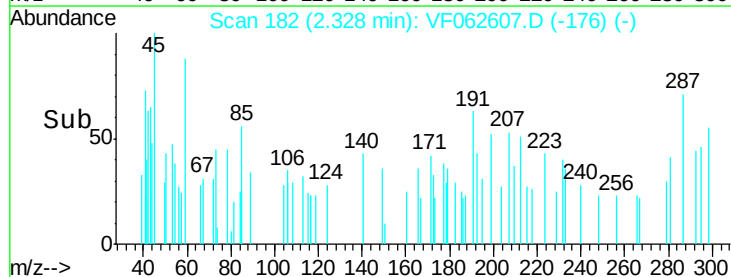
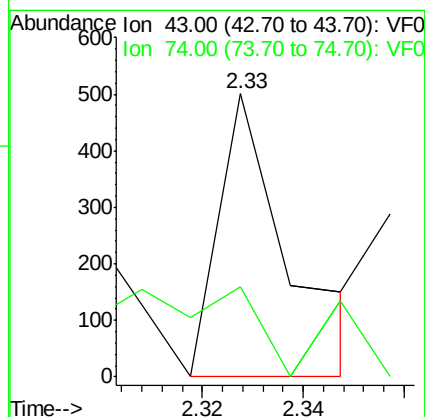
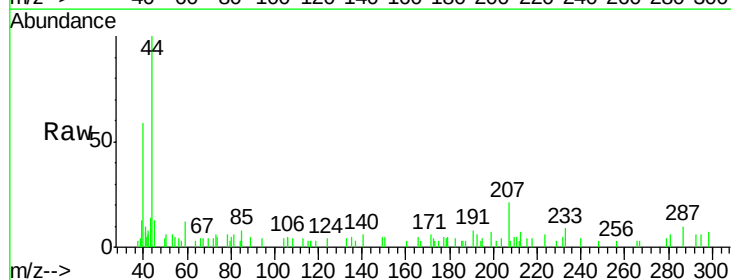
Acq: 15 May 2019 14:28

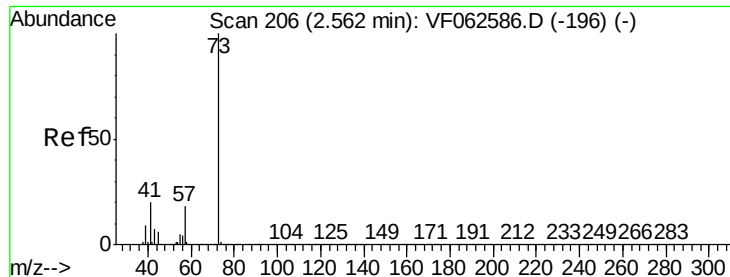
Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

43 100

74 31.9 21.4 32.0



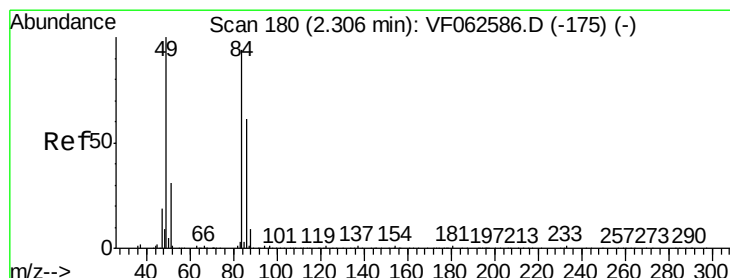
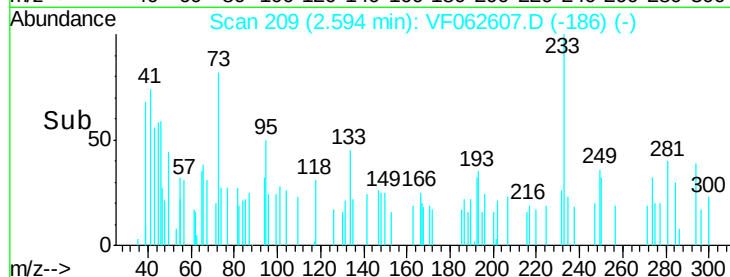
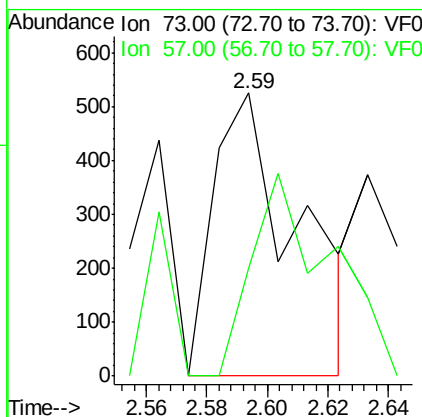
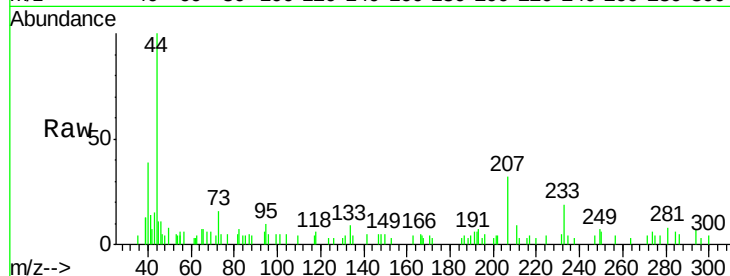


#19

Methyl tert-butyl Ether
 Concen: 274.187 ug/l
 RT: 2.59 min Scan# 209
 Delta R.T. 0.03 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

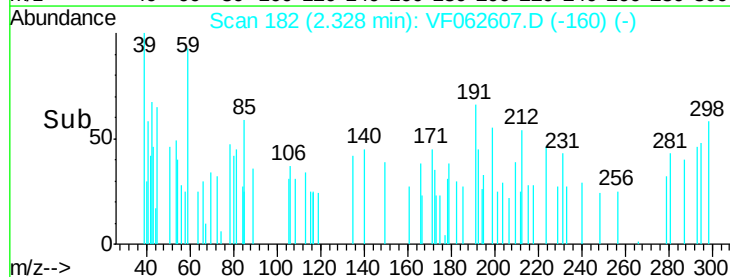
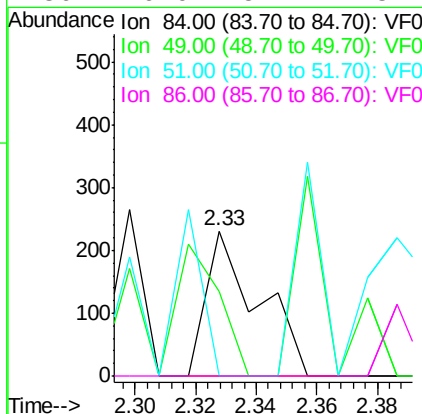
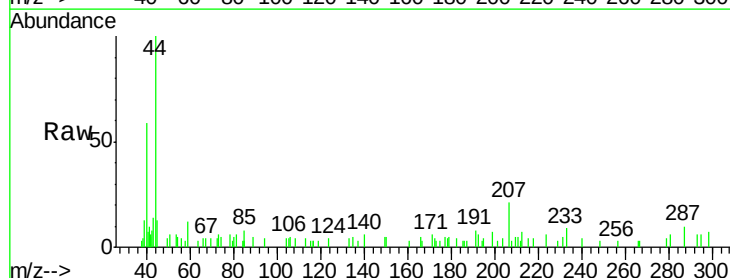
Tot Ion: 73 Resp: 1007
 Ion Ratio Lower Upper
 73 100
 57 38.1 14.6 22.0#

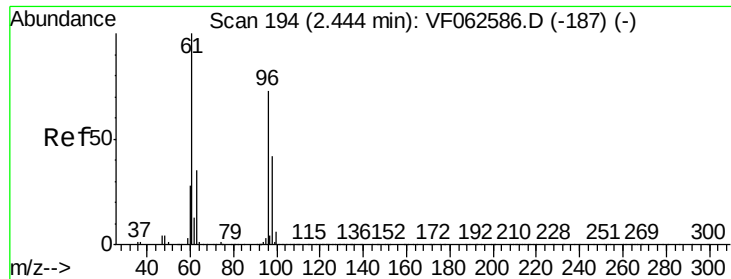


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.33 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Tgt Ion: 84 Resp: 276
 Ion Ratio Lower Upper
 84 100
 49 58.0 86.9 130.3#
 51 0.0 27.0 40.6#
 86 0.0 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 163.556 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

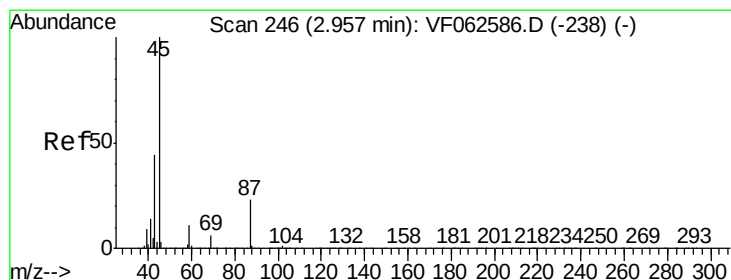
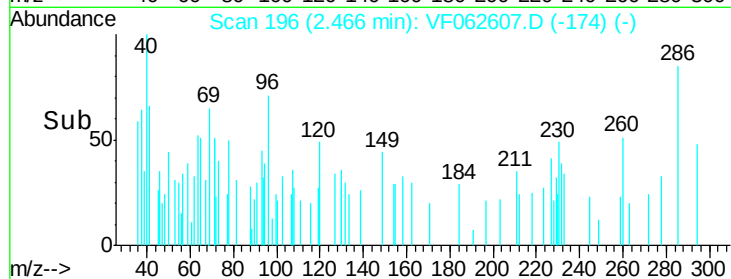
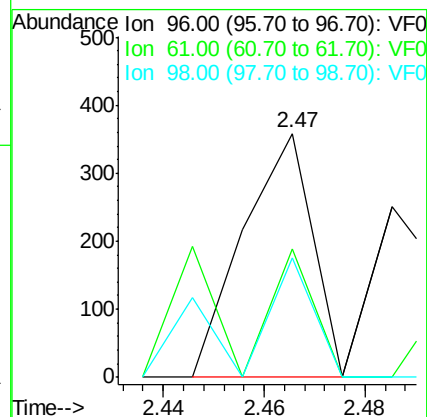
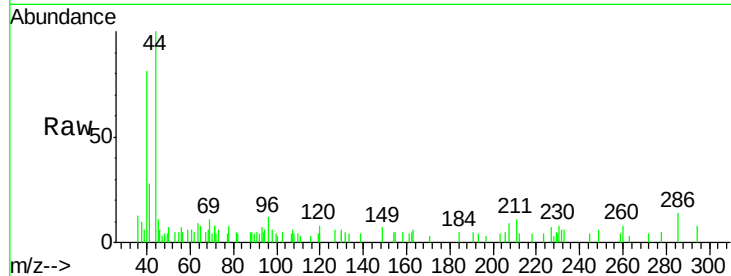
Tot Ion: 96 Resp: 340

Ion Ratio Lower Upper

96 100

61 52.5 109.2 163.8#

98 49.2 46.3 69.5



#22

Diisopropyl ether

Concen: 140.397 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.03 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion: 45 Resp: 689

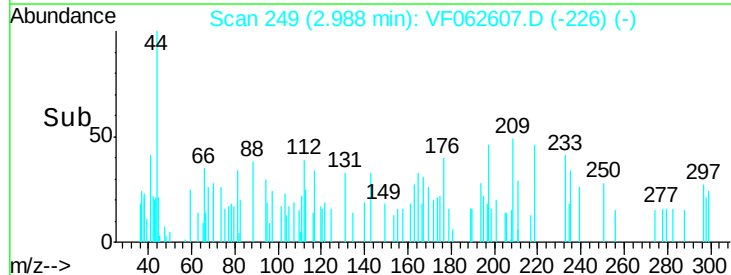
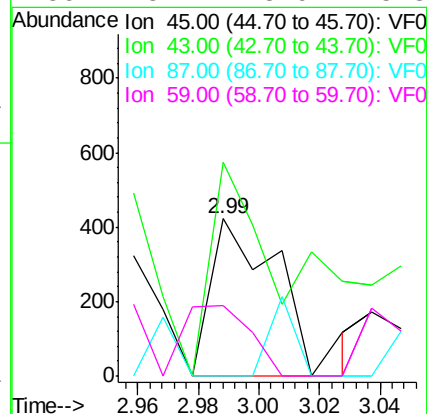
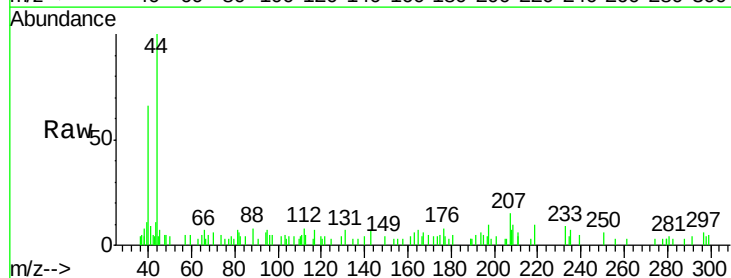
Ion Ratio Lower Upper

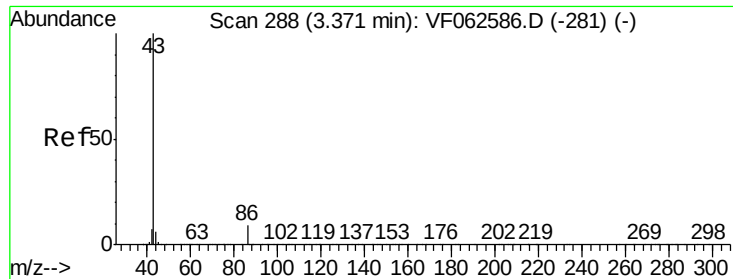
45 100

43 135.7 35.4 53.0#

87 0.0 18.4 27.6#

59 45.2 8.9 13.3#





#23

Vinyl Acetate

Concen: 189.625 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

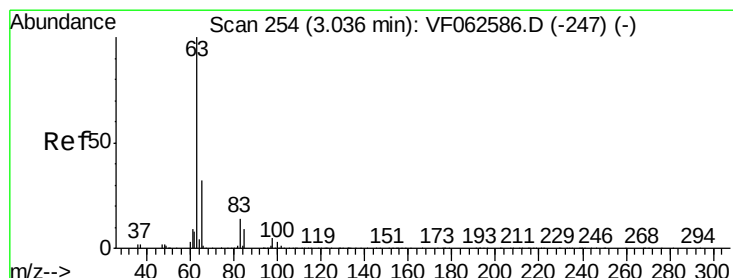
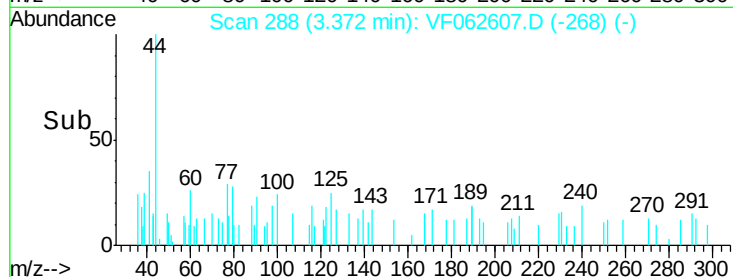
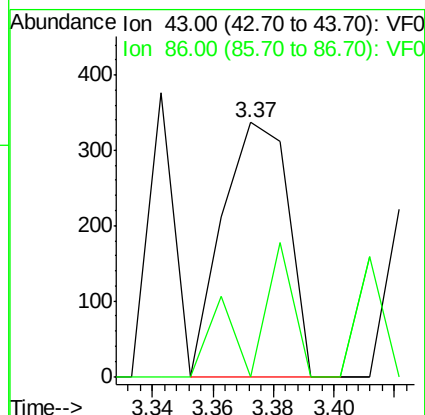
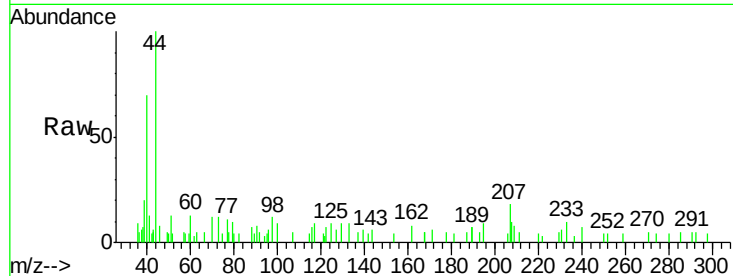
P-3-OW(0-10)

Tot Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 77.627 ug/l

RT: 3.06 min Scan# 256

Delta R.T. 0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

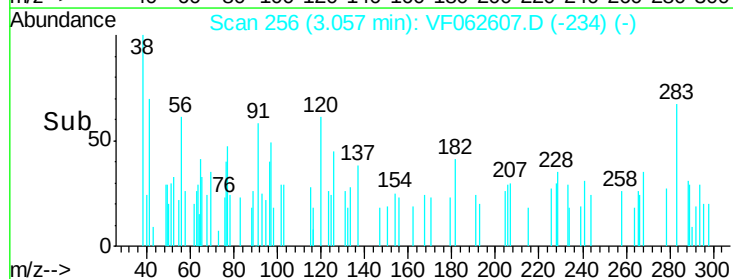
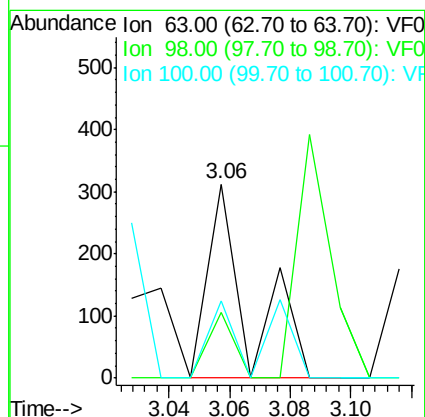
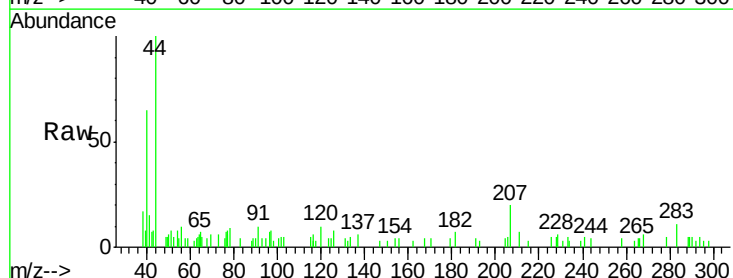
Tgt Ion: 63 Resp: 290

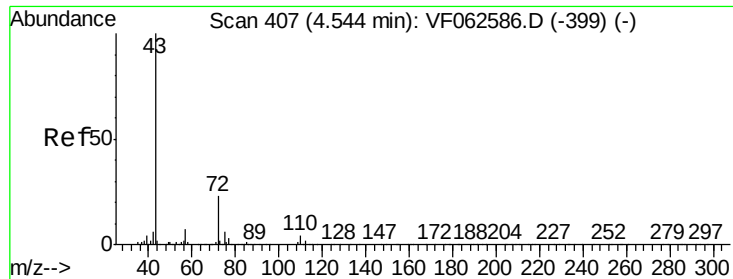
Ion Ratio Lower Upper

63 100

98 33.7 2.6 7.8#

100 40.1 1.7 5.1#

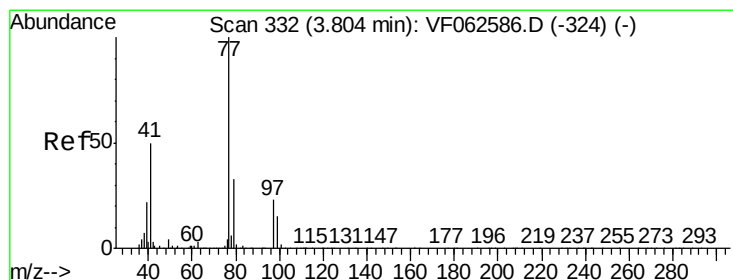
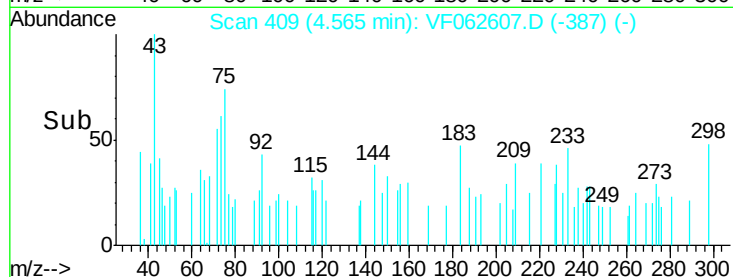
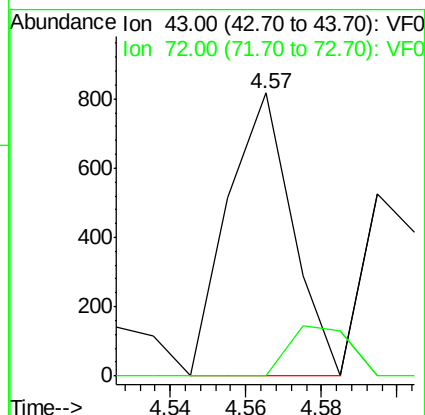
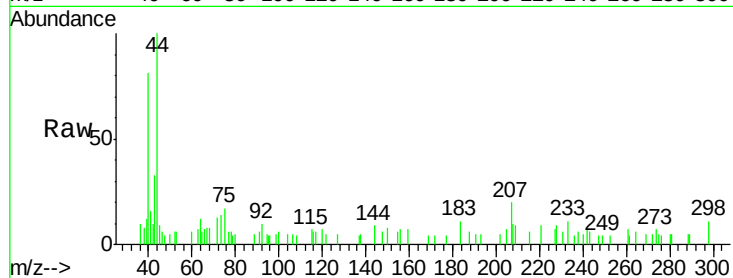




#25
2-Butanone
Concen: 1219.033 ug/l
RT: 4.57 min Scan# 409
Delta R.T. 0.02 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

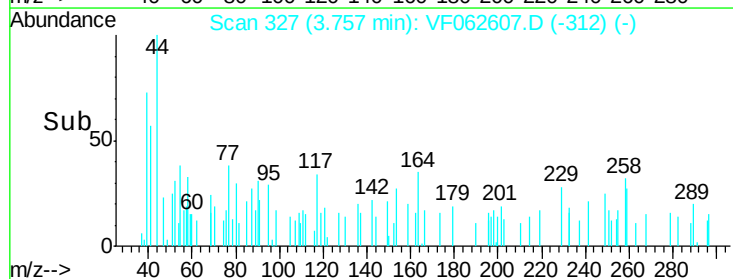
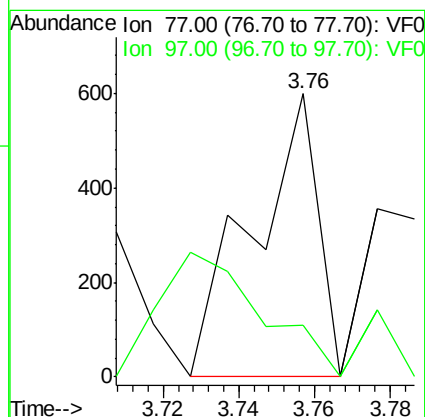
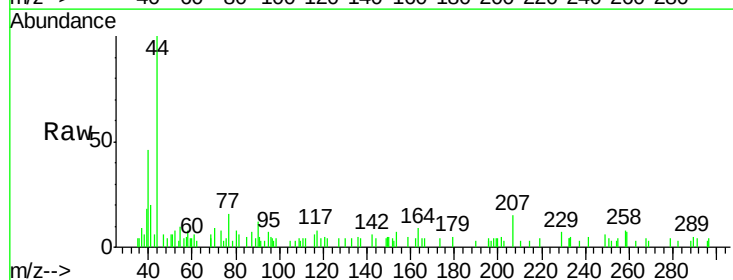
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

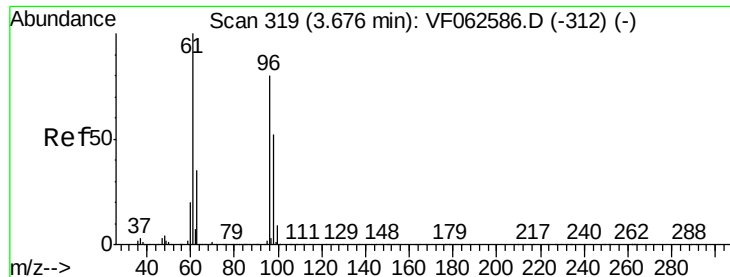
Tot Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#26
2,2-Dichloropropane
Concen: 354.627 ug/l
RT: 3.76 min Scan# 327
Delta R.T. -0.05 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 77 Resp: 715
Ion Ratio Lower Upper
77 100
97 18.2 12.0 36.0



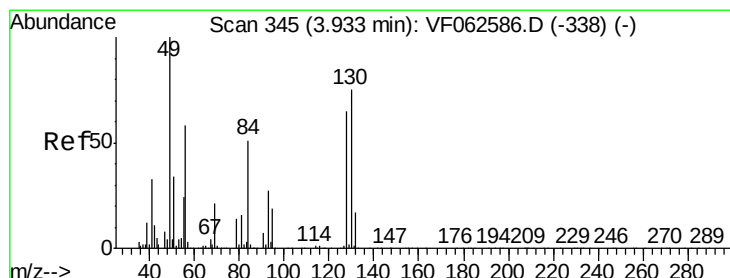
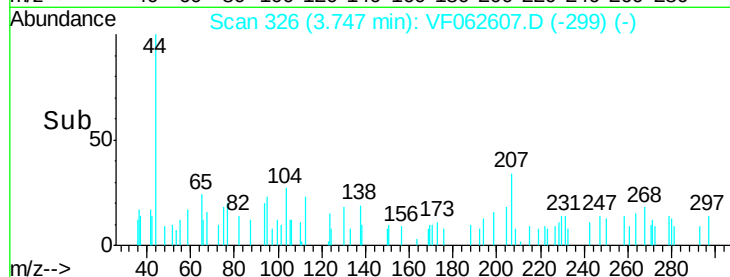
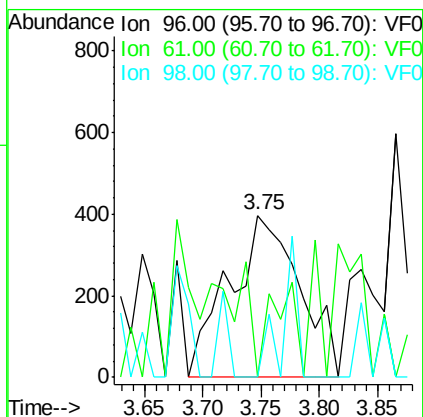
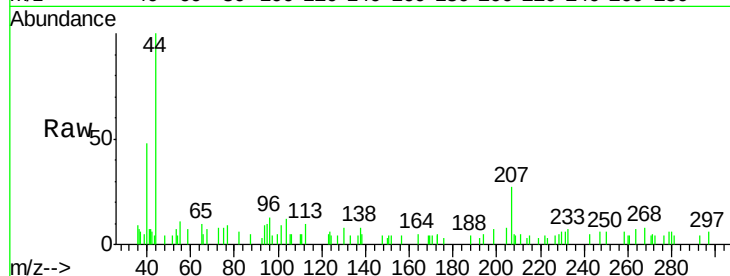


#27

cis-1,2-Dichloroethene
Concen: 568.266 ug/l
RT: 3.75 min Scan# 326
Delta R.T. 0.07 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

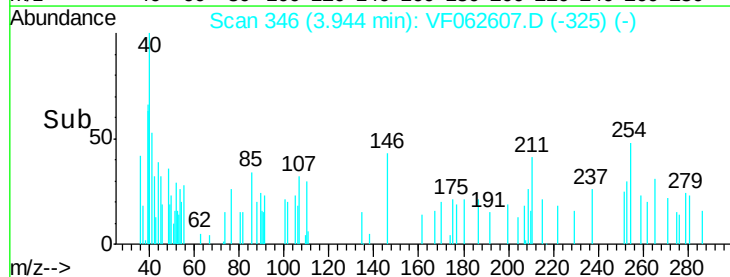
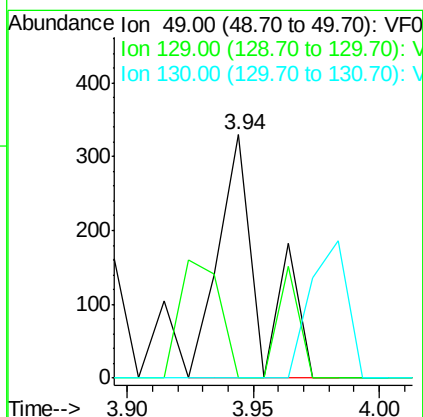
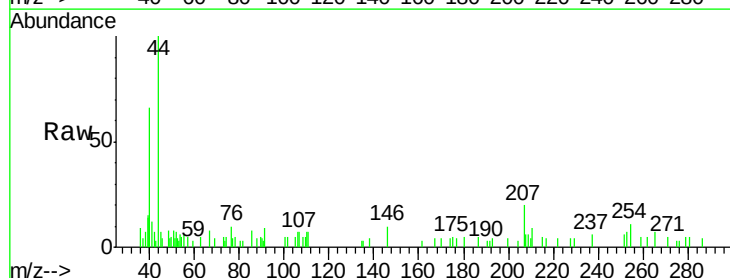
Tot Ion:	96	Resp:	1669
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	251.4
98	0.0	0.0	129.8

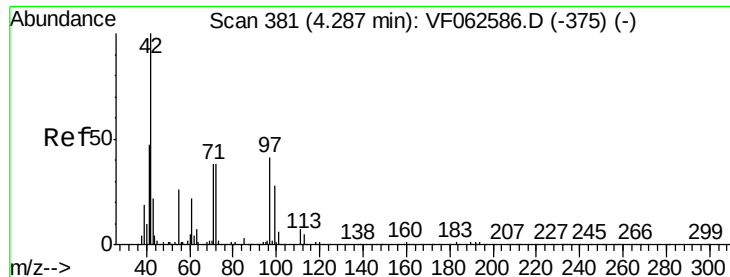


#28

Bromochloromethane
Concen: 183.815 ug/l
RT: 3.94 min Scan# 346
Delta R.T. 0.01 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion:	49	Resp:	386
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	59.7	89.5#





#29

Tetrahydrofuran

Concen: 600.772 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

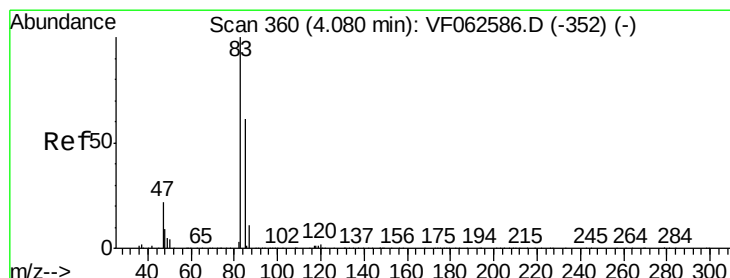
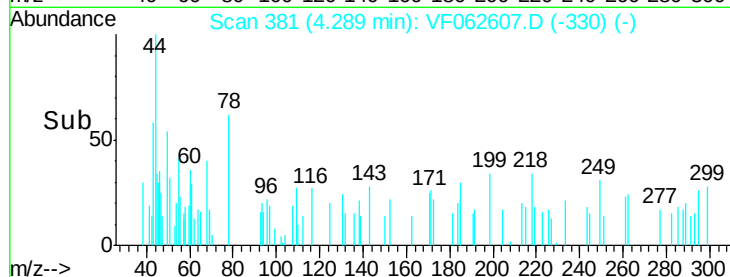
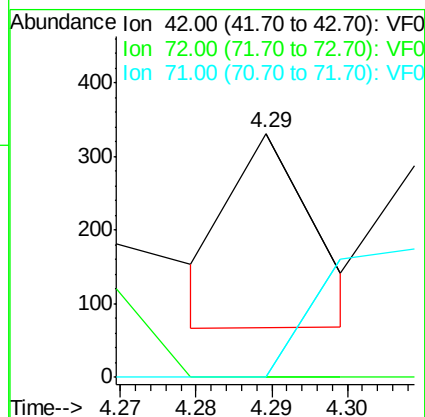
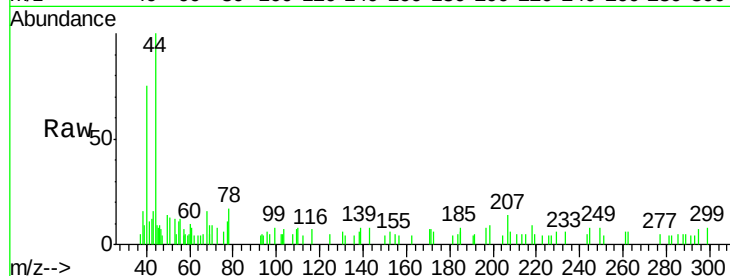
Tot Ion: 42 Resp: 200

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 99.5 32.8 49.2#



#30

Chloroform

Concen: 82.093 ug/l

RT: 4.11 min Scan# 363

Delta R.T. 0.03 min

Lab File: VF062607.D

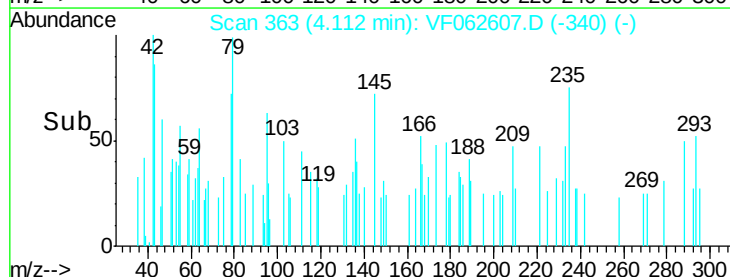
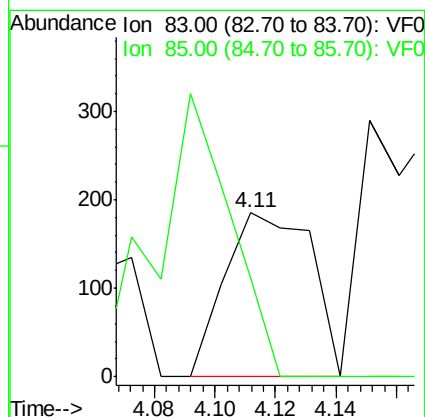
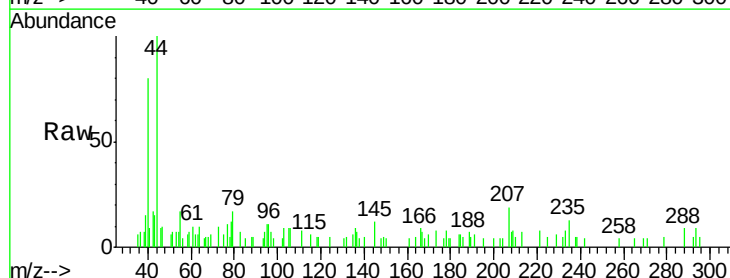
Acq: 15 May 2019 14:28

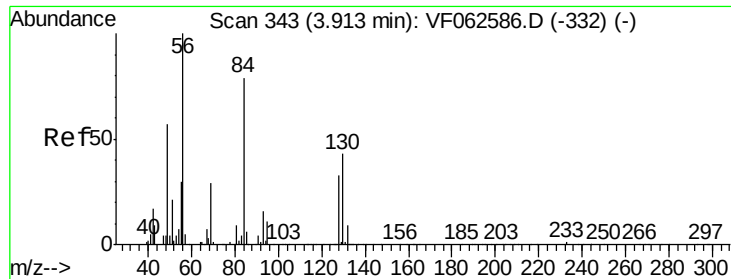
Tgt Ion: 83 Resp: 368

Ion Ratio Lower Upper

83 100

85 60.5 48.7 73.1





#31

Cyclohexane

Concen: 107.355 ug/l

RT: 3.96 min Scan# 348

Delta R.T. 0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

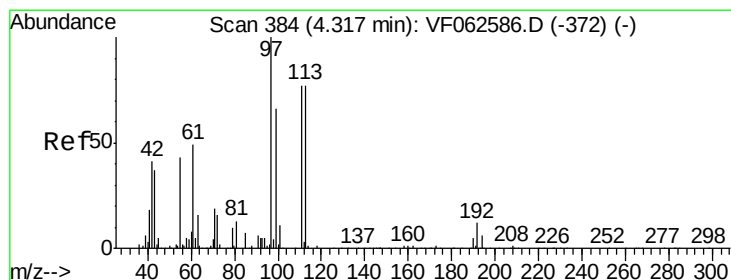
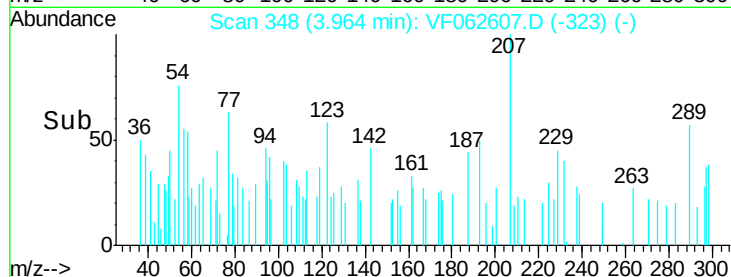
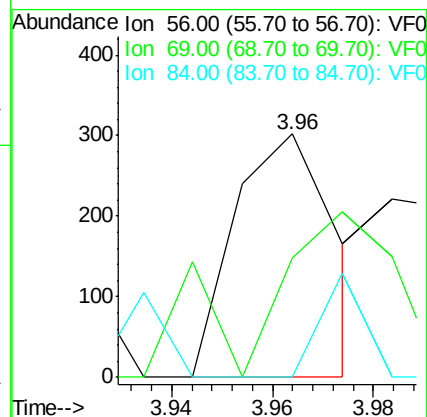
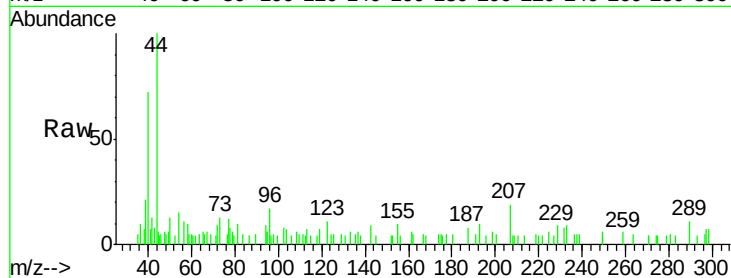
Tot Ion: 56 Resp: 418

Ion Ratio Lower Upper

56 100

69 49.0 22.9 34.3#

84 0.0 63.4 95.2#



#32

1,1,1-Trichloroethane

Concen: 19.857 ug/l

RT: 4.37 min Scan# 389

Delta R.T. 0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

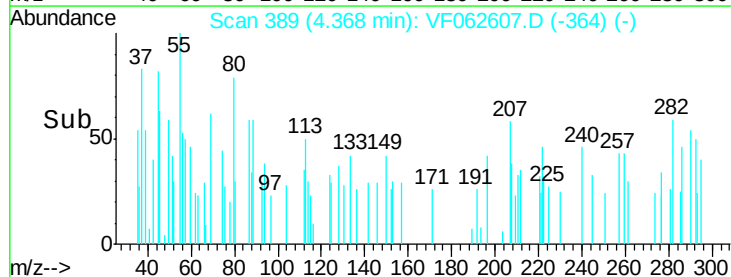
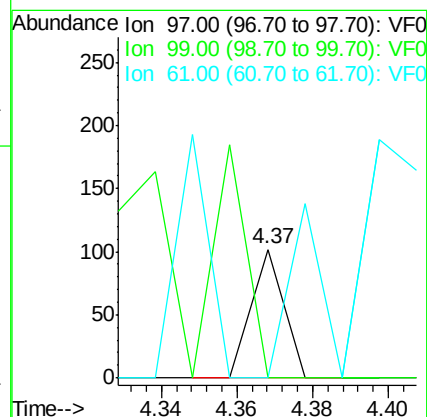
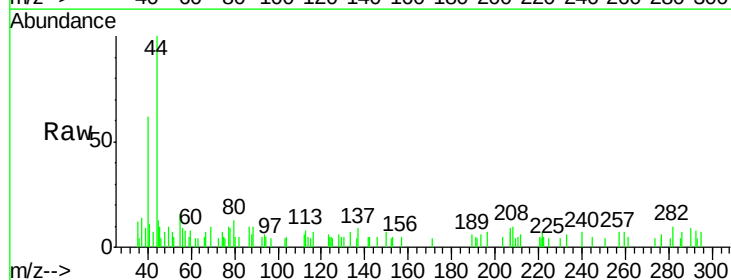
Tgt Ion: 97 Resp: 60

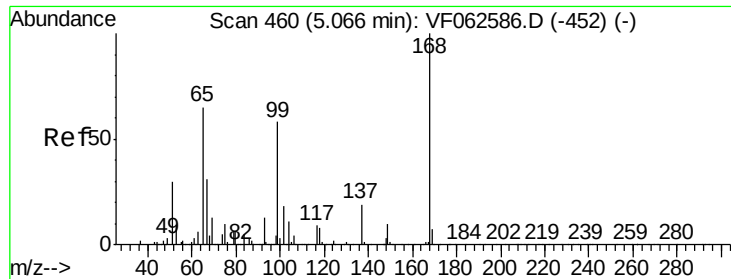
Ion Ratio Lower Upper

97 100

99 0.0 53.4 80.0#

61 0.0 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 326.554 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

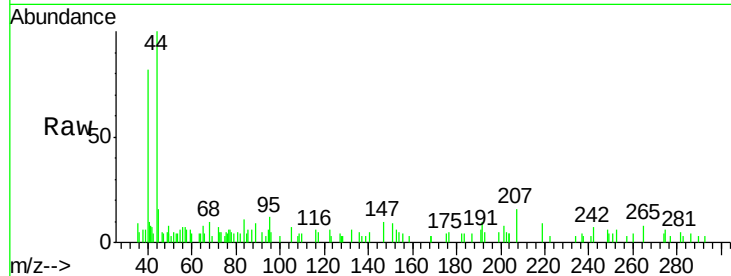
P-3-OW(0-10)

Tot Ion: 65 Resp: 560

Ion Ratio Lower Upper

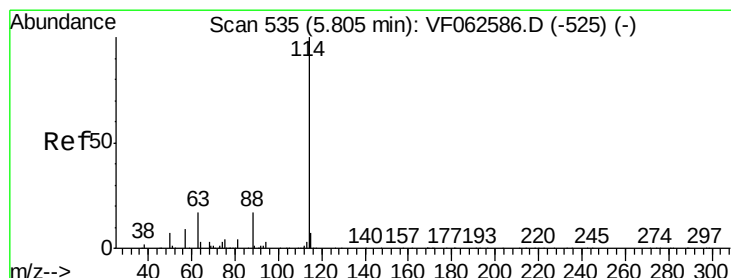
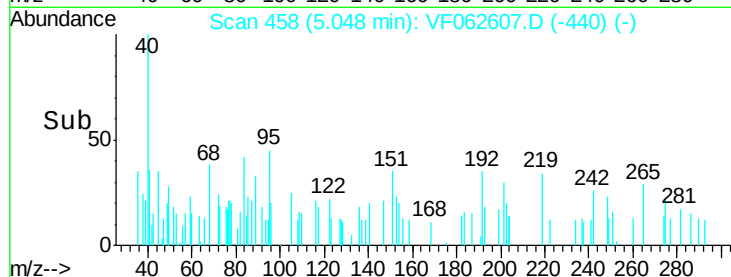
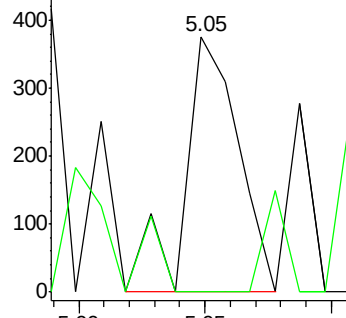
65 100

67 0.0 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 541

Delta R.T. 0.06 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

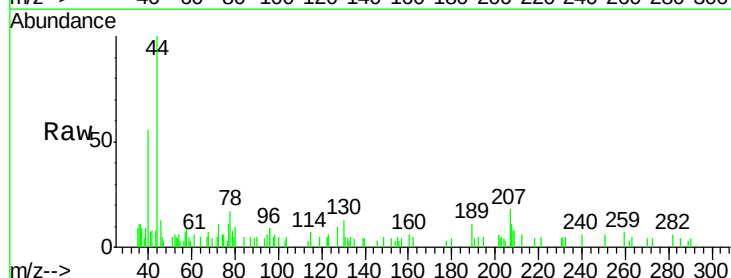
Tgt Ion: 114 Resp: 128

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.6

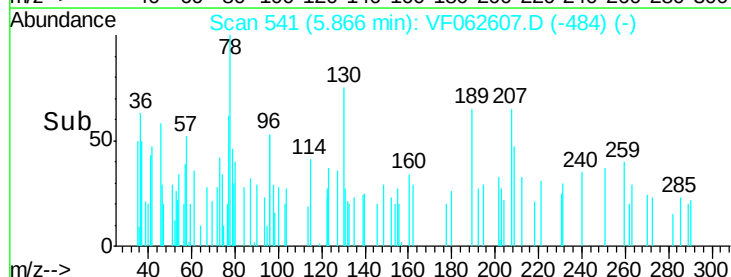
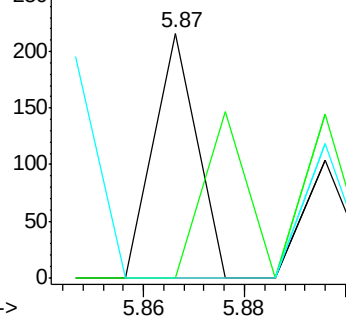
88 0.0 0.0 33.6

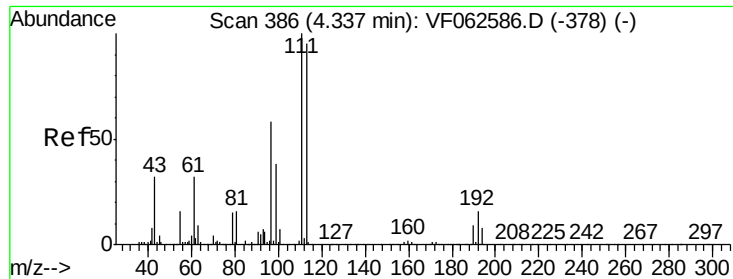


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

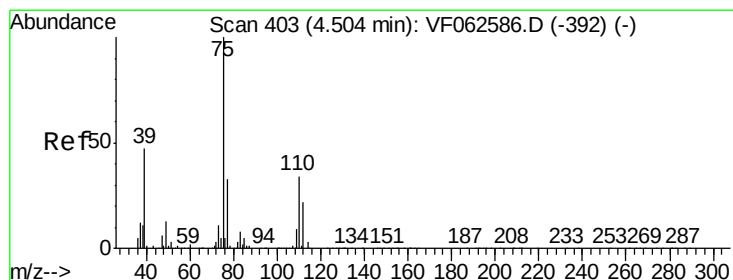
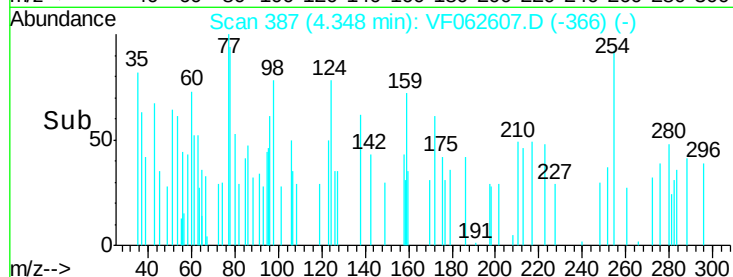
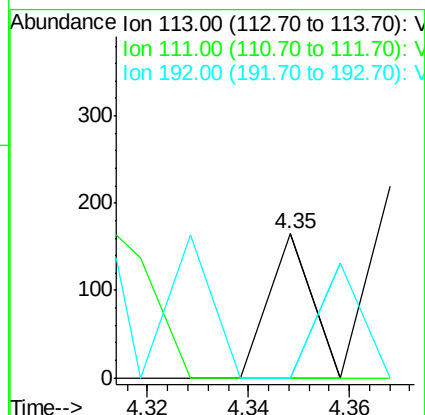
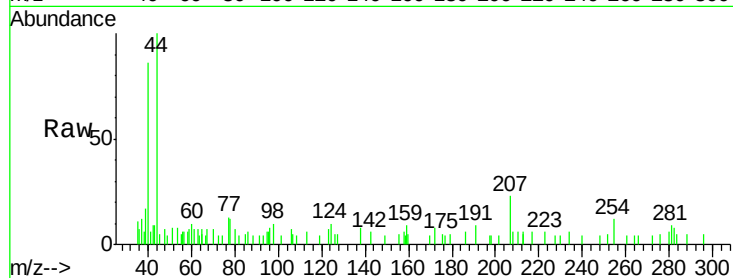




#35
 Dibromofluoromethane
 Concen: 102.868 ug/l
 RT: 4.35 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

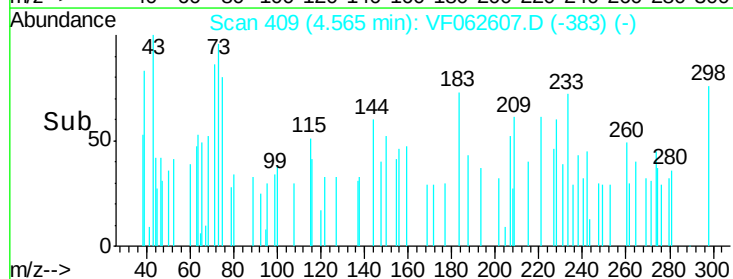
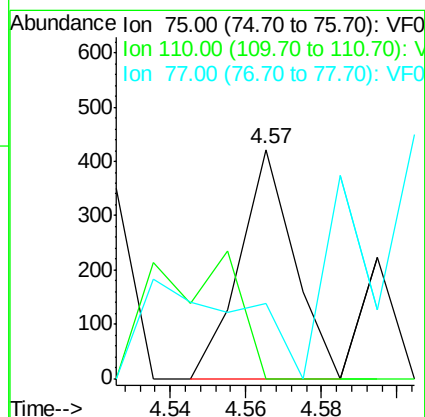
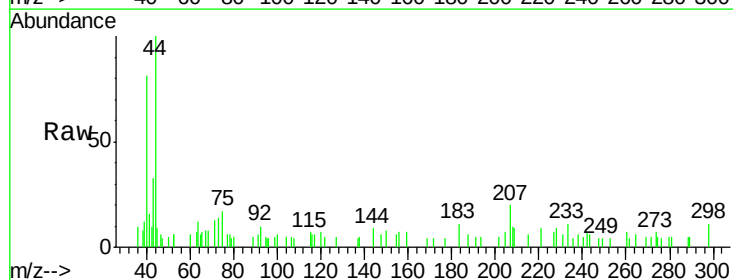
Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

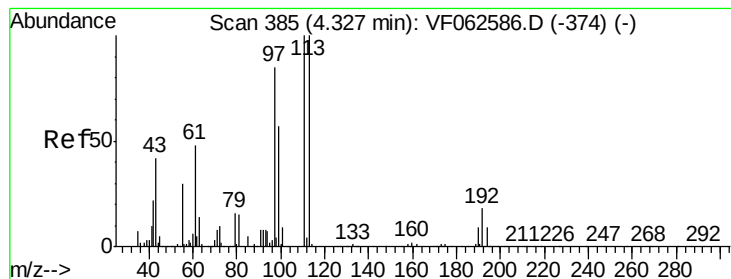
Tot Ion:113 Resp: 98
 Ion Ratio Lower Upper
 113 100
 111 0.0 83.9 125.9#
 192 0.0 13.7 20.5#



#36
 1,1-Dichloropropene
 Concen: 377.399 ug/l
 RT: 4.57 min Scan# 409
 Delta R.T. 0.06 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 51.7#
 77 32.9 26.4 39.6





#37

Ethyl Acetate

Concen: 894.216 ug/l

RT: 4.36 min Scan# 388

Delta R.T. 0.03 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

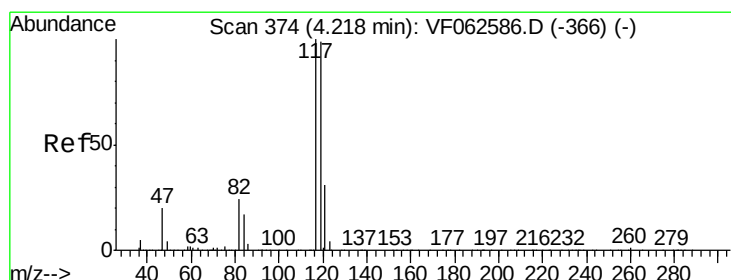
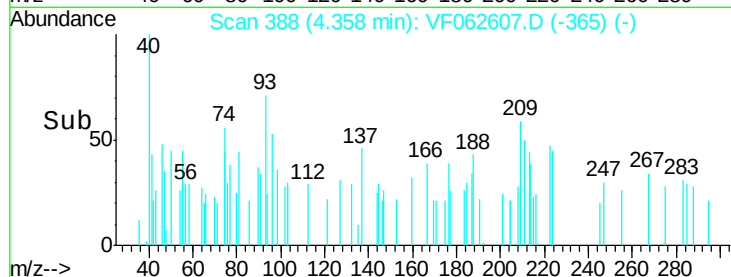
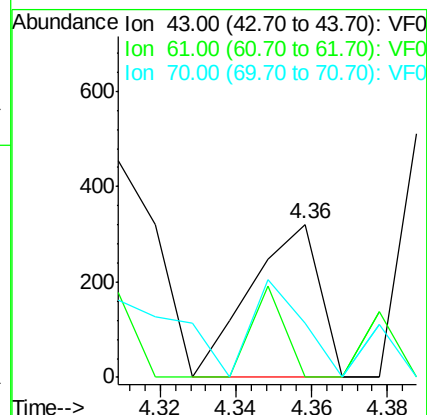
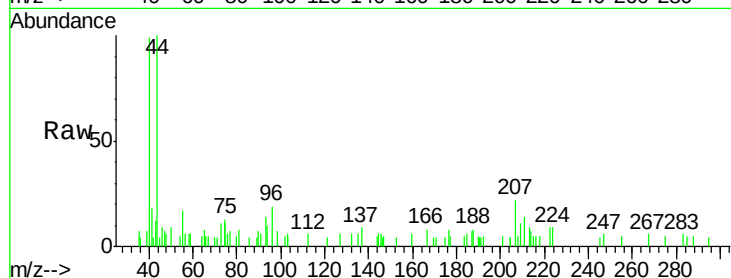
Tot Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

61 0.0 88.6 132.8#

70 35.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 80.345 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.04 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

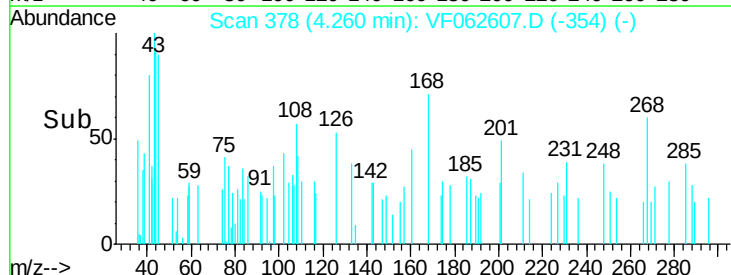
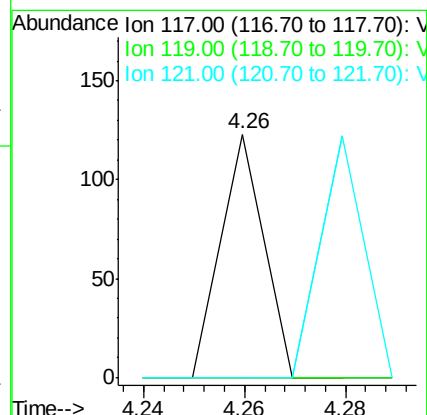
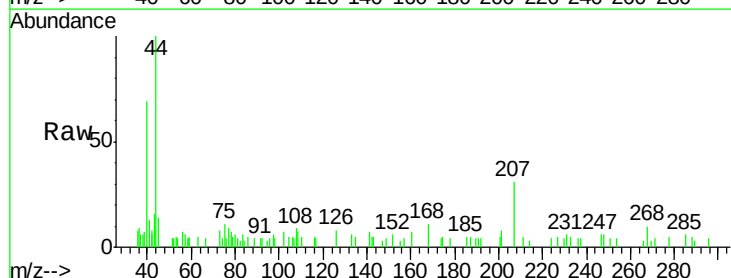
Tgt Ion: 117 Resp: 73

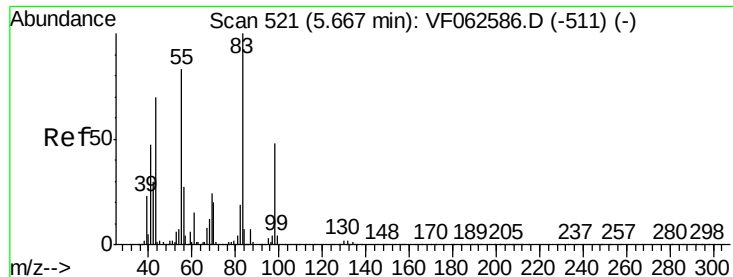
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 25.0 37.6#

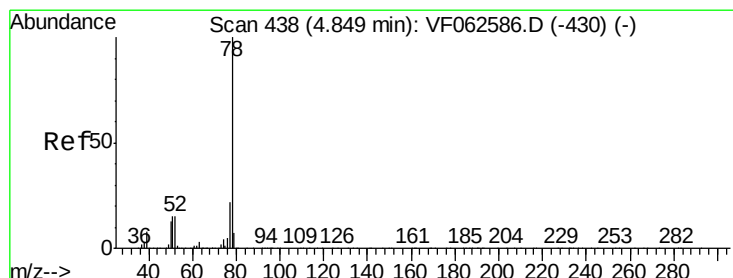
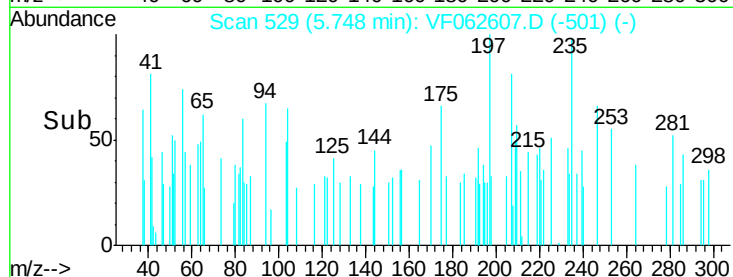
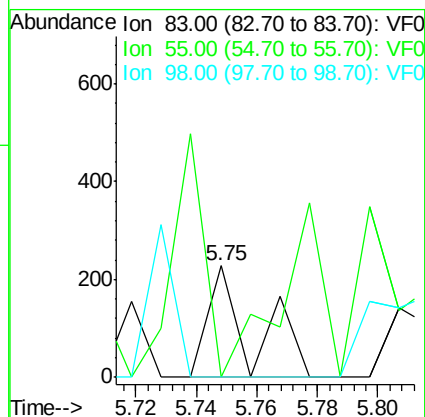
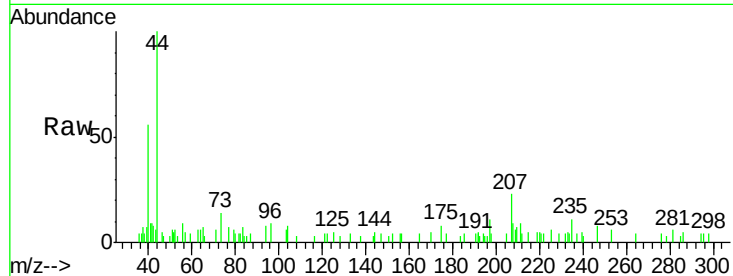




#39
Methylvlcyclohexane
Concen: 180.445 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.08 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

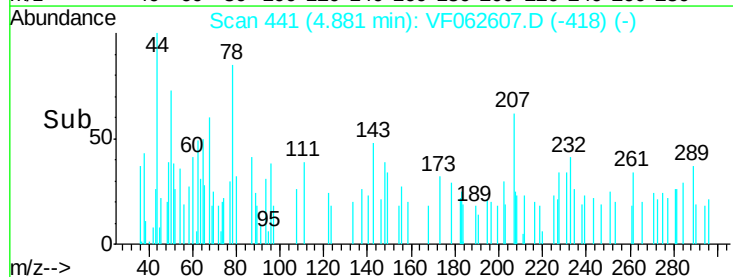
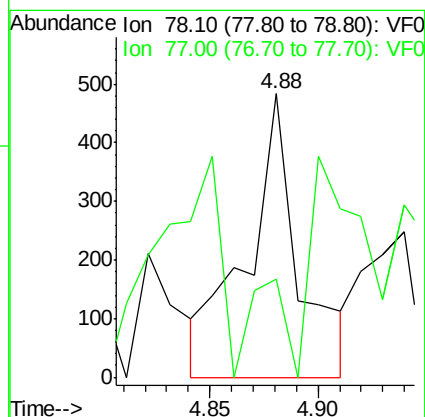
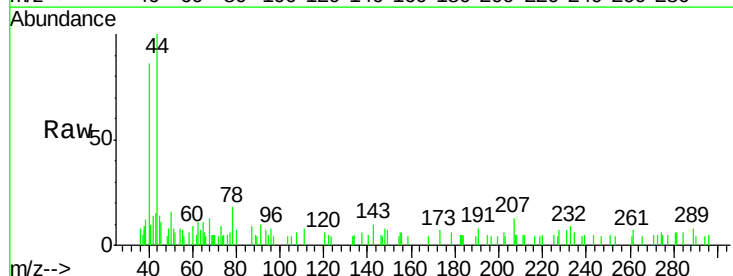
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

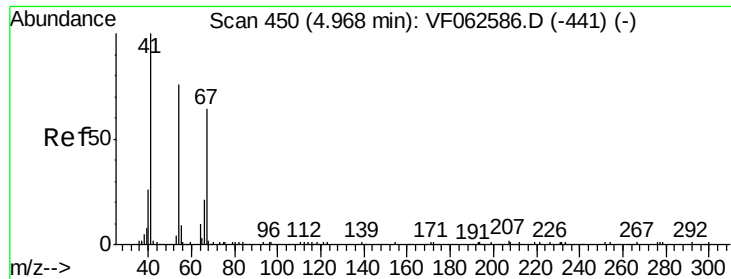
Tot Ion: 83 Resp: 234
Ion Ratio Lower Upper
83 100
55 0.0 66.6 100.0#
98 0.0 38.3 57.5#



#40
Benzene
Concen: 252.937 ug/l
RT: 4.88 min Scan# 441
Delta R.T. 0.03 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 78 Resp: 797
Ion Ratio Lower Upper
78 100
77 34.8 17.7 26.5#





#41

Methacrylonitrile

Concen: 3402.625 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

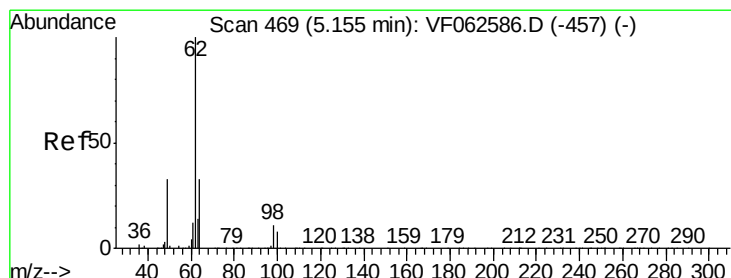
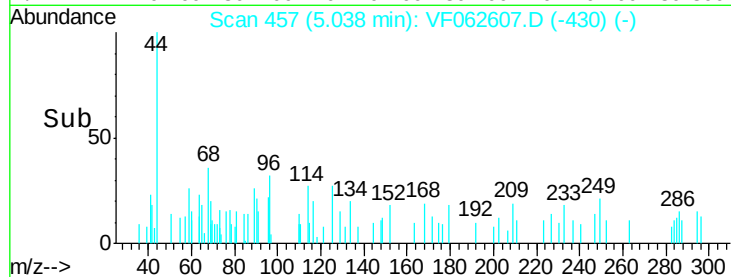
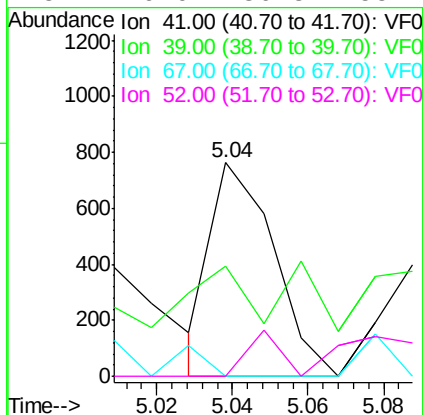
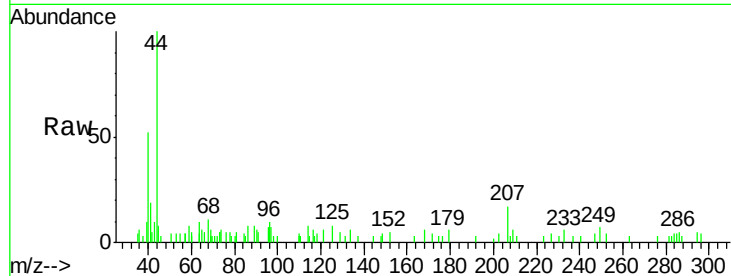
Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

Tot Ion:	41	Resp:	877
Ion	Ratio	Lower	Upper
41	100		
39	51.4	40.8	61.2
67	0.0	50.2	75.2#
52	0.0	36.8	55.2#



#42

1,2-Dichloroethane

Concen: 318.552 ug/l

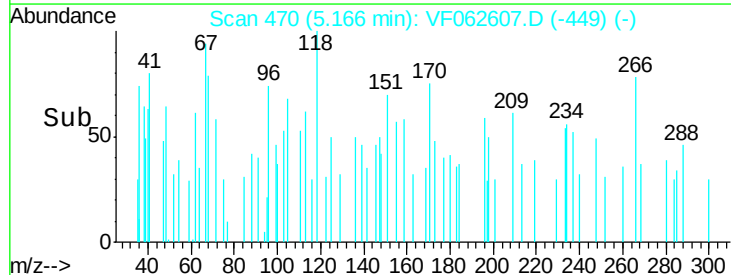
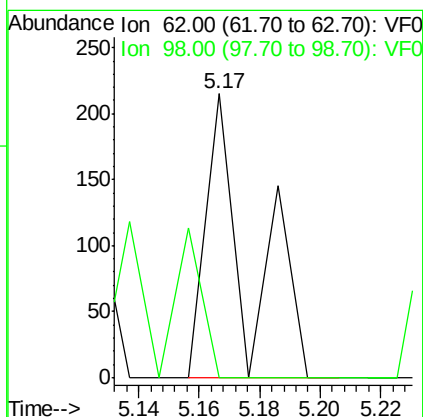
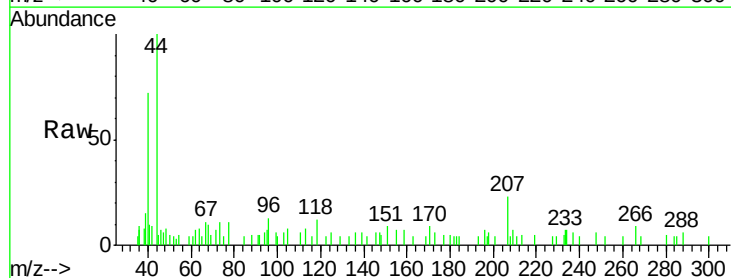
RT: 5.17 min Scan# 470

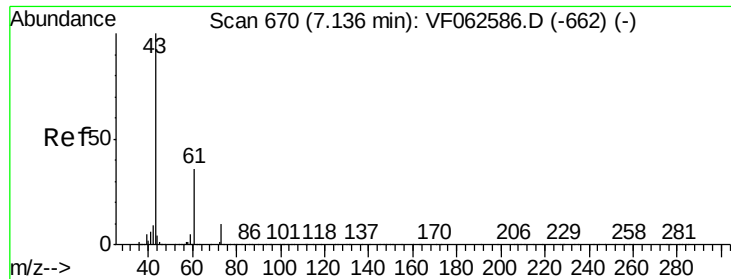
Delta R.T. 0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion:	62	Resp:	213
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.2





#43

Isopropyl Acetate

Concen: 798.377 ug/l

RT: 7.22 min Scan# 678

Delta R.T. 0.08 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

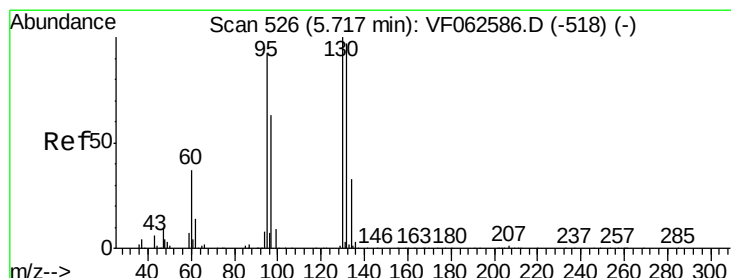
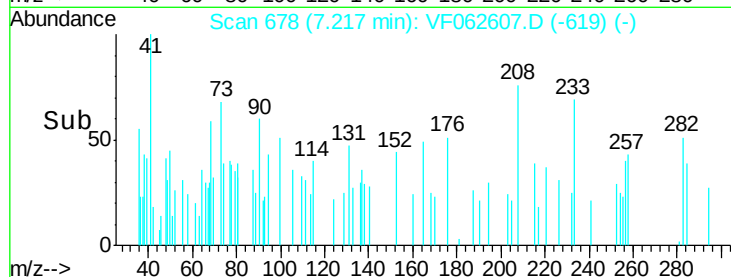
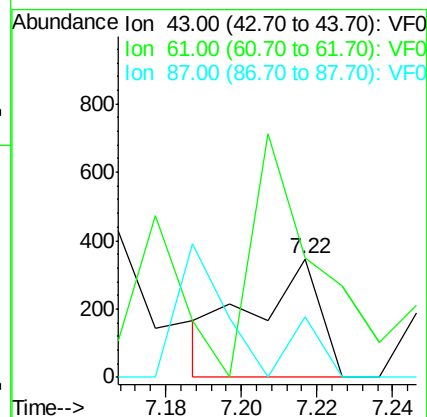
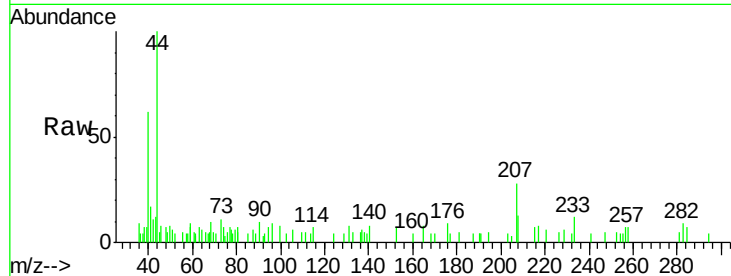
Tot Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

61 100.9 28.5 42.7#

87 51.2 0.4 0.6#



#44

Trichloroethene

Concen: 81.085 ug/l

RT: 5.82 min Scan# 536

Delta R.T. 0.10 min

Lab File: VF062607.D

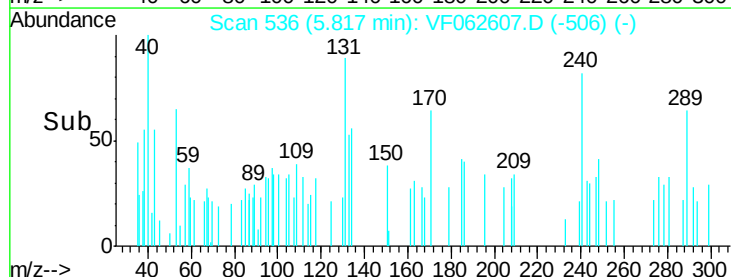
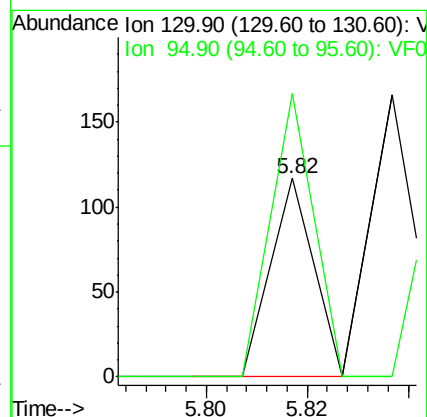
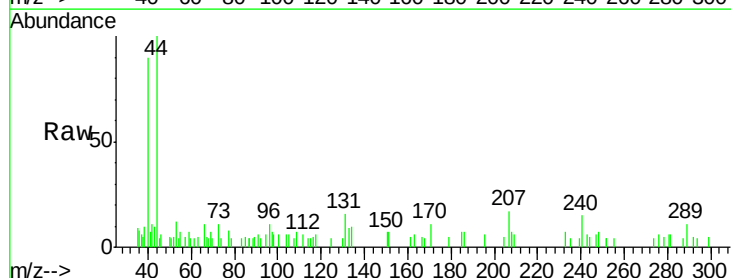
Acq: 15 May 2019 14:28

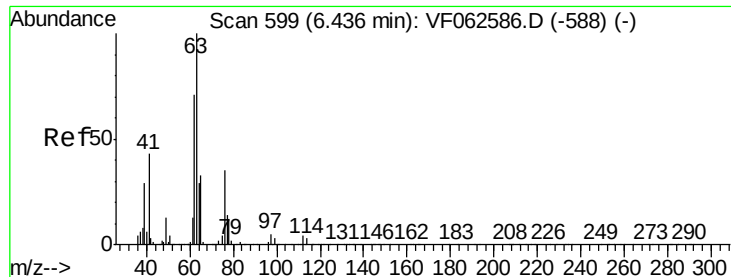
Tgt Ion:130 Resp: 69

Ion Ratio Lower Upper

130 100

95 142.7 0.0 185.0





#45

1,2-Dichloropropane

Concen: 602.675 ug/l

RT: 6.51 min Scan# 606

Delta R.T. 0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

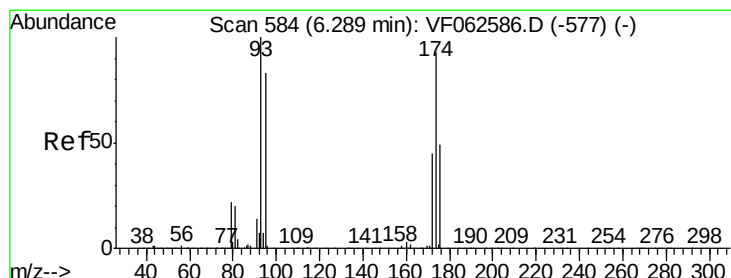
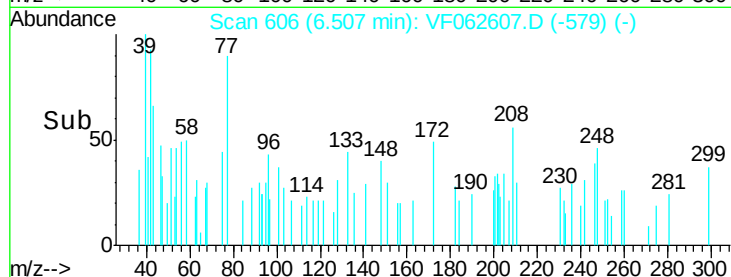
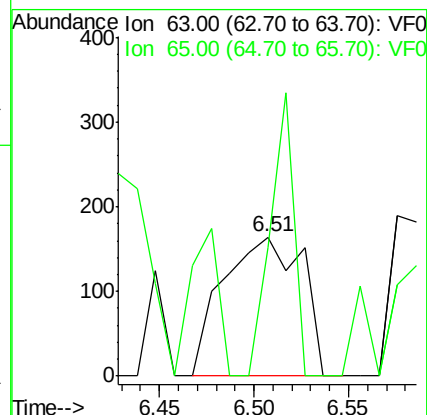
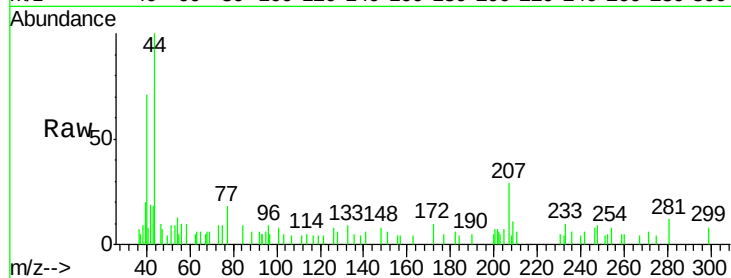
P-3-OW(0-10)

Tot Ion: 63 Resp: 478

Ion Ratio Lower Upper

63 100

65 92.1 26.2 39.4#



#46

Dibromomethane

Concen: 349.549 ug/l

RT: 6.34 min Scan# 589

Delta R.T. 0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

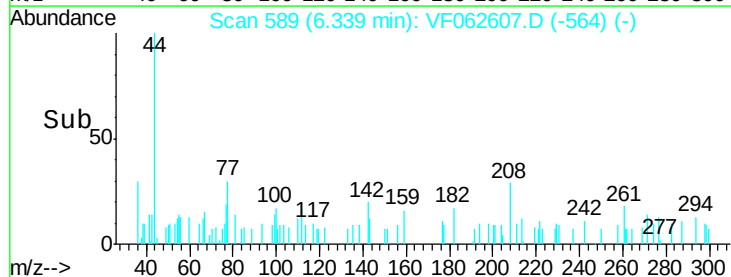
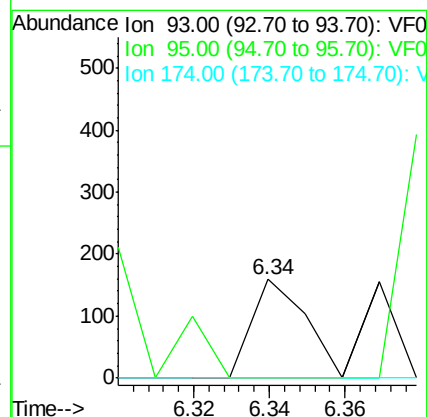
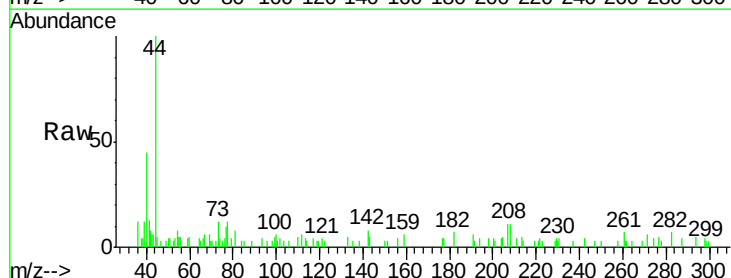
Tgt Ion: 93 Resp: 155

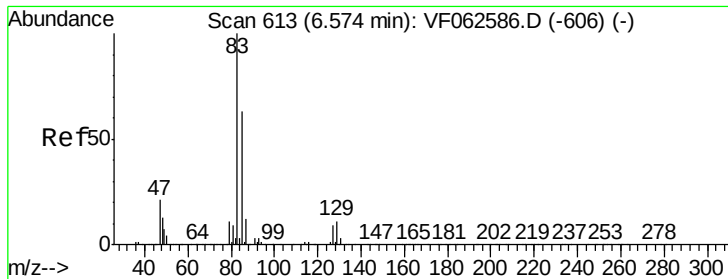
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 145.816 ug/l

RT: 6.63 min Scan# 618

Delta R.T. 0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

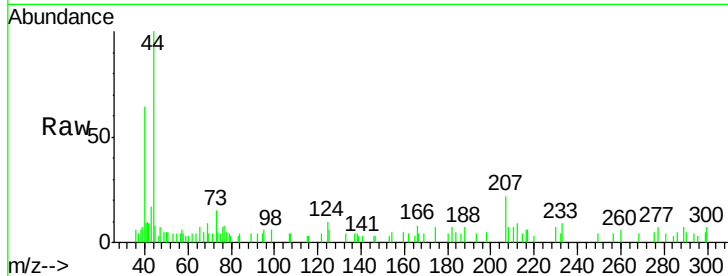
Tot Ion: 83 Resp: 139

Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

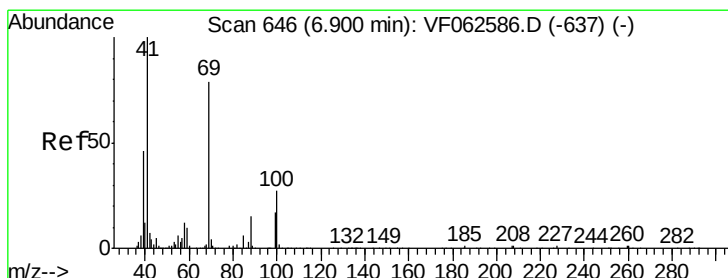
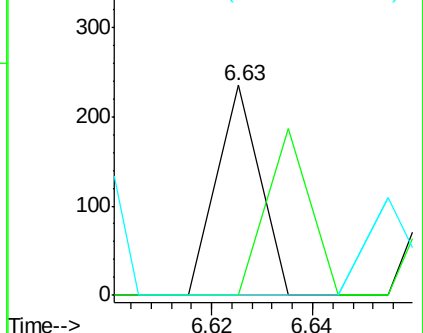
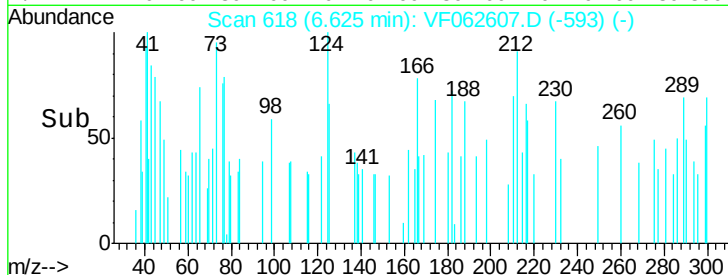
127 0.0 7.2 10.8#



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: 2771.281 ug/l

RT: 6.99 min Scan# 655

Delta R.T. 0.09 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

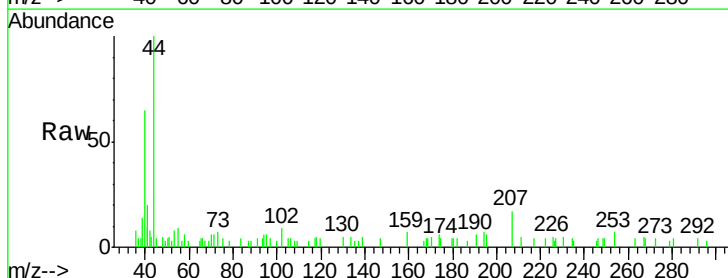
Tgt Ion: 41 Resp: 817

Ion Ratio Lower Upper

41 100

69 11.7 63.0 94.6#

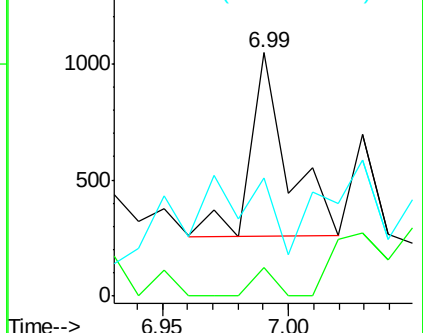
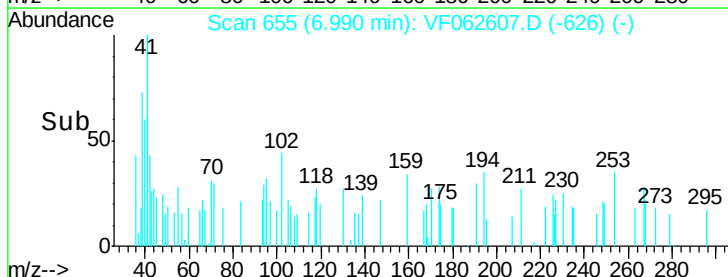
39 48.4 37.6 56.4

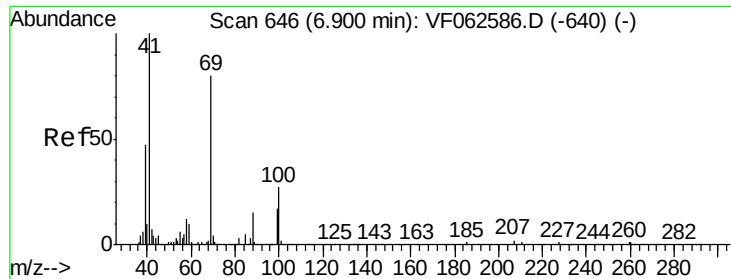


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

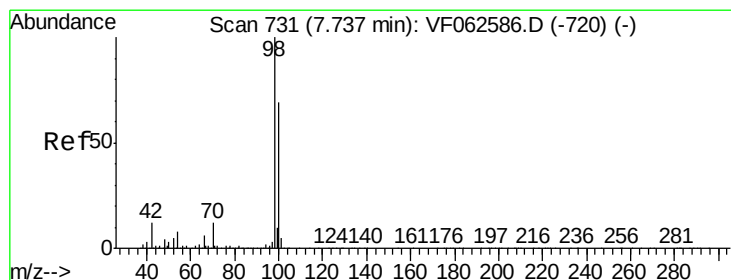
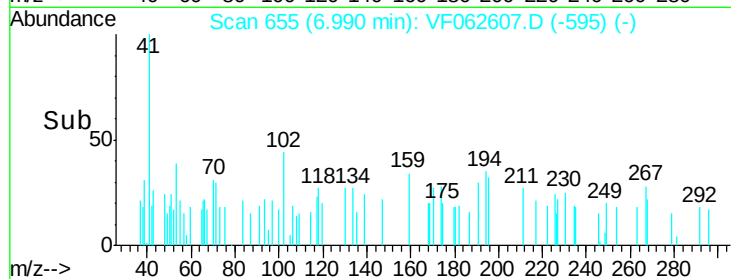
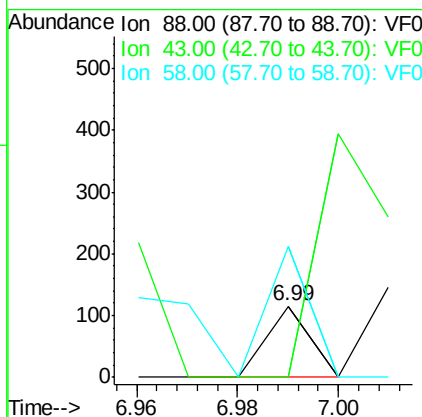
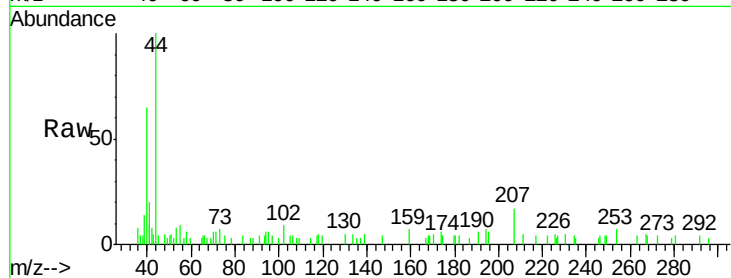




#49
1,4-Dioxane
Concen: 17503.582 ug/l
RT: 6.99 min Scan# 655
Delta R.T. 0.09 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

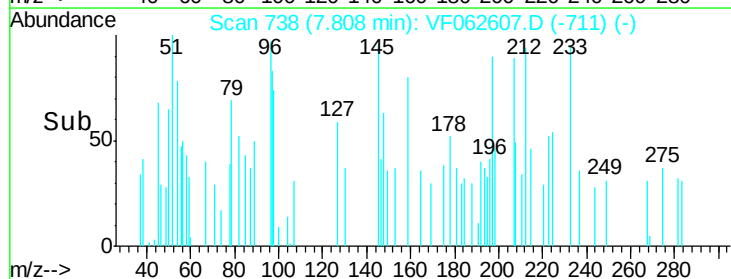
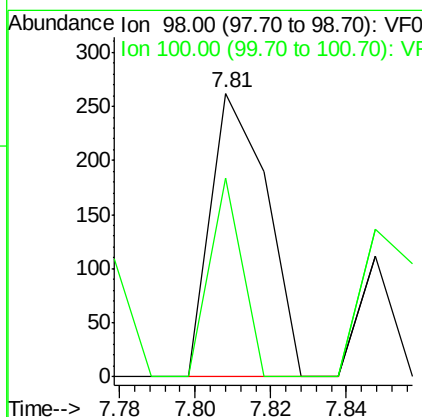
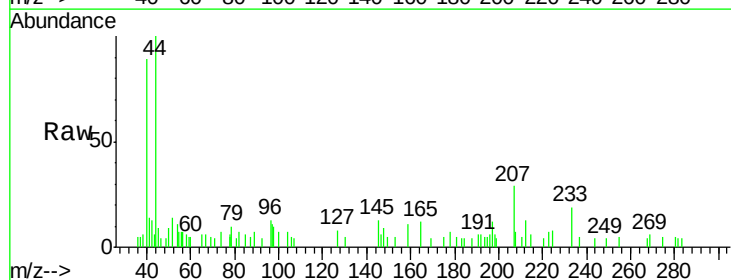
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

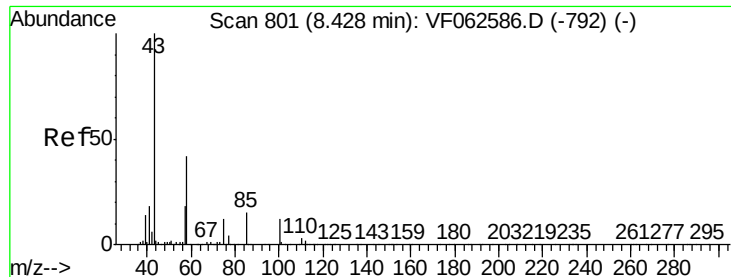
Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 183.5 60.6 90.8#



#50
Toluene-d8
Concen: 118.936 ug/l
RT: 7.81 min Scan# 738
Delta R.T. 0.07 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 98 Resp: 267
Ion Ratio Lower Upper
98 100
100 70.2 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 1353.121 ug/l

RT: 8.53 min Scan# 811

Delta R.T. 0.10 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampled :

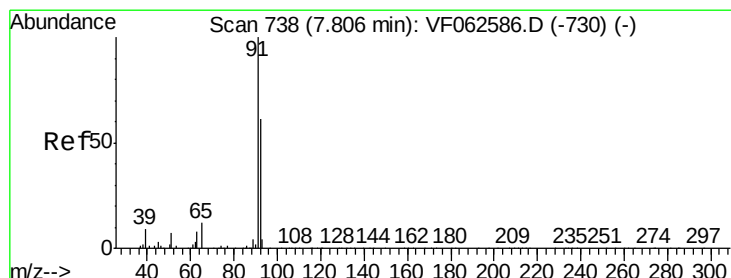
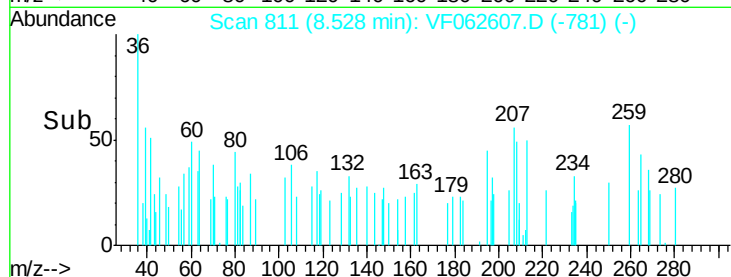
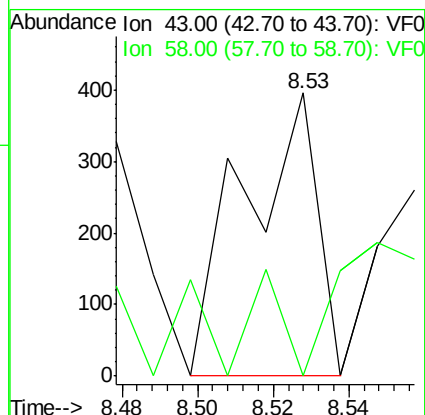
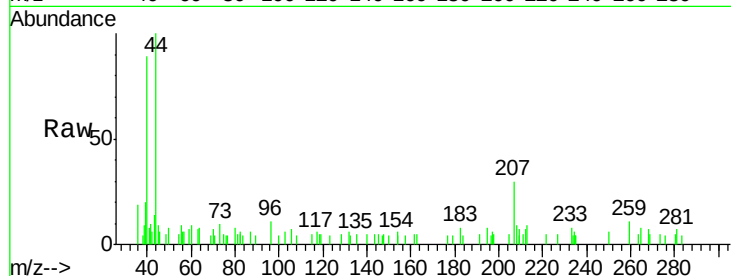
P-3-OW(0-10)

Tot Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

58 0.0 33.6 50.4#



#52

Toluene

Concen: 103.684 ug/l

RT: 8.03 min Scan# 760

Delta R.T. 0.22 min

Lab File: VF062607.D

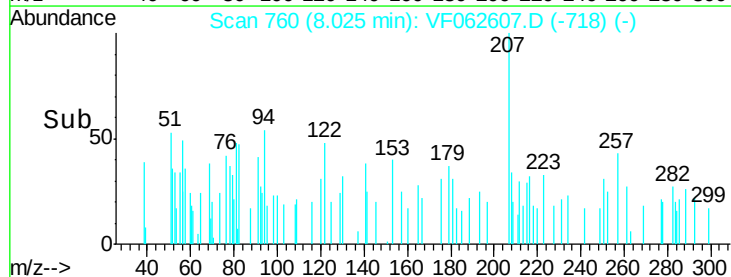
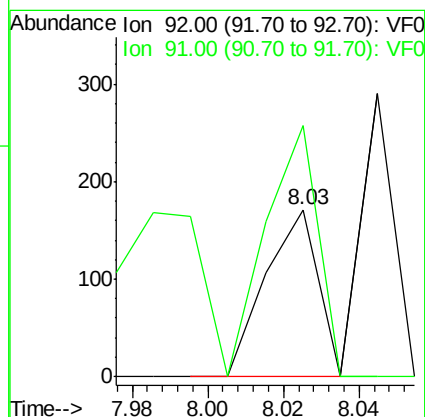
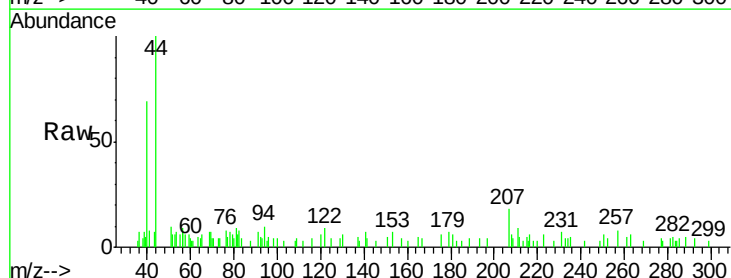
Acq: 15 May 2019 14:28

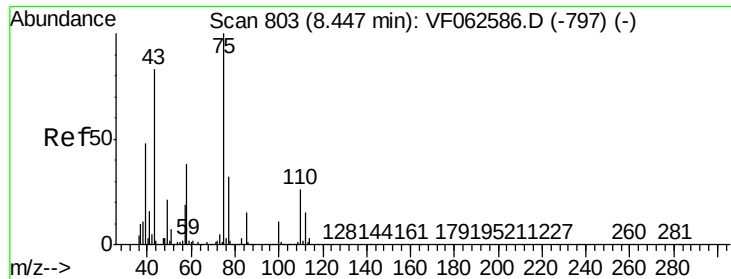
Tgt Ion: 92 Resp: 164

Ion Ratio Lower Upper

92 100

91 150.3 131.0 196.4





#53

t-1,3-Dichloropropene

Concen: 273.541 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

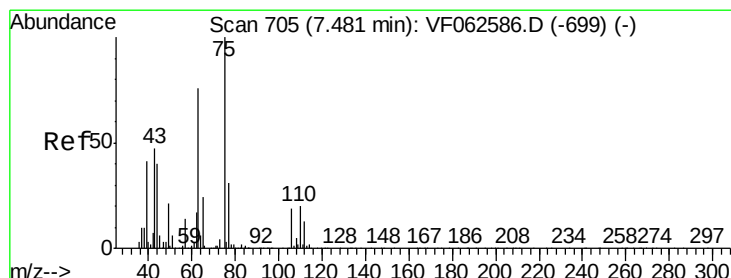
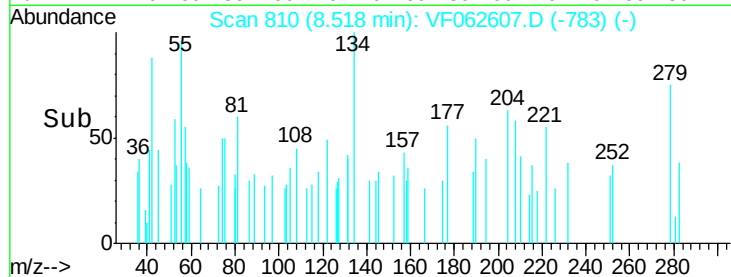
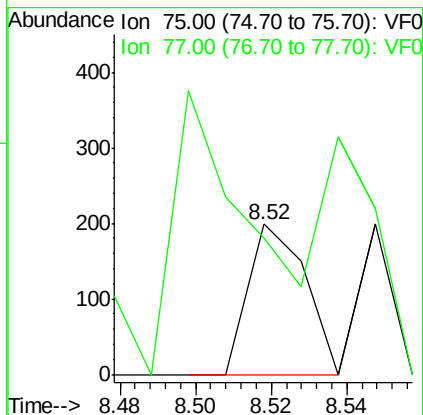
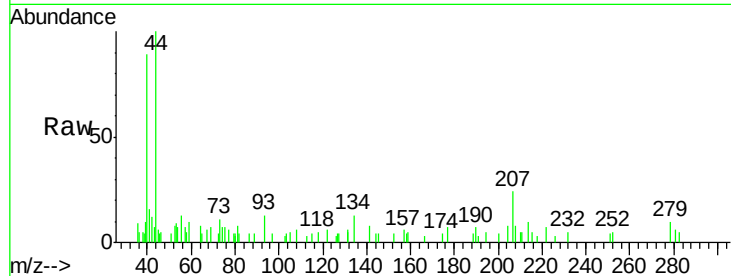
P-3-OW(0-10)

Tot Ion: 75 Resp: 206

Ion Ratio Lower Upper

75 100

77 90.5 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 318.544 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.10 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

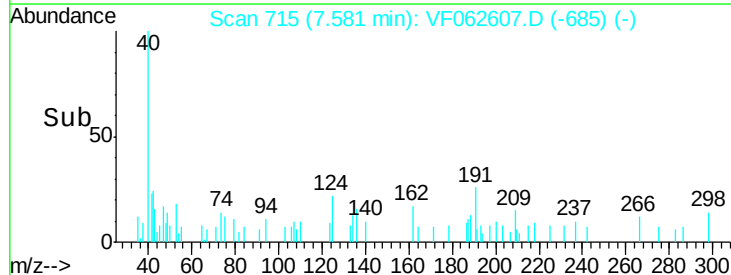
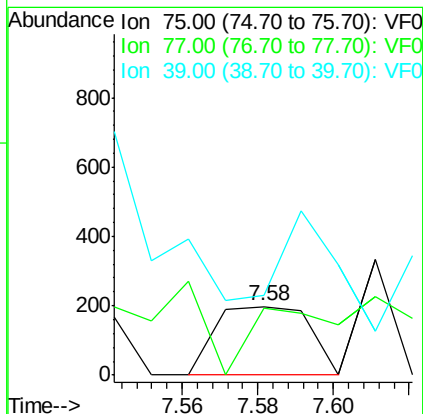
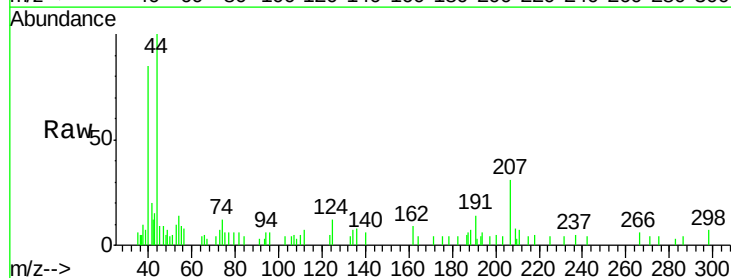
Tgt Ion: 75 Resp: 339

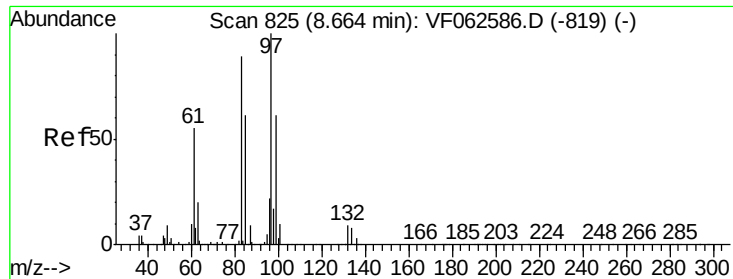
Ion Ratio Lower Upper

75 100

77 99.0 25.0 37.6#

39 116.8 32.8 49.2#

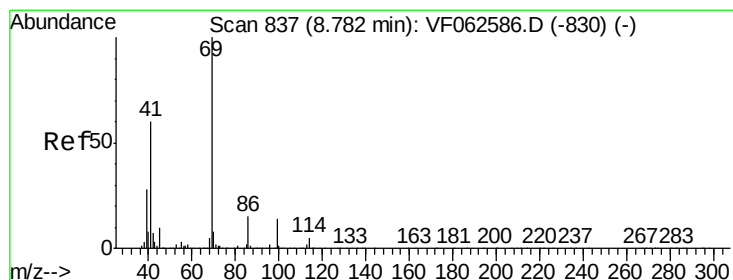
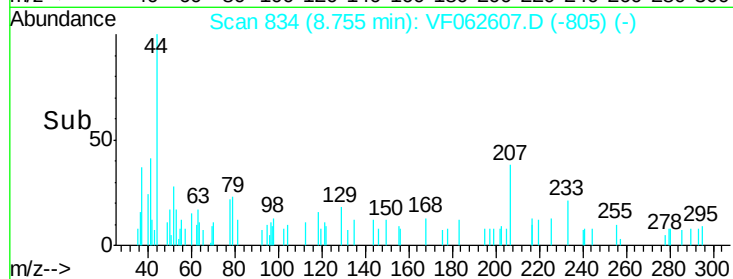
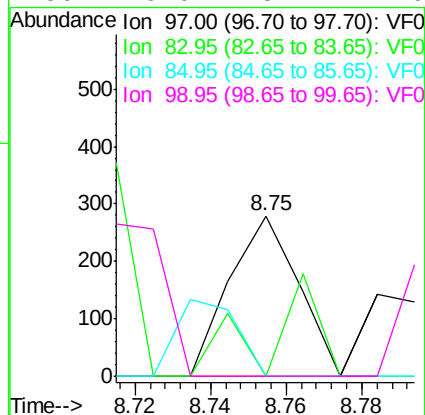
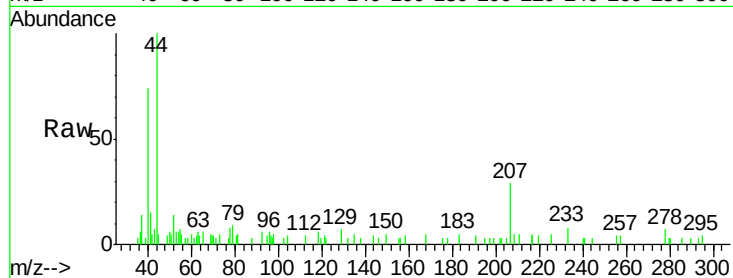




#55
 1,1,2-Trichloroethane
 Concen: 736.921 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

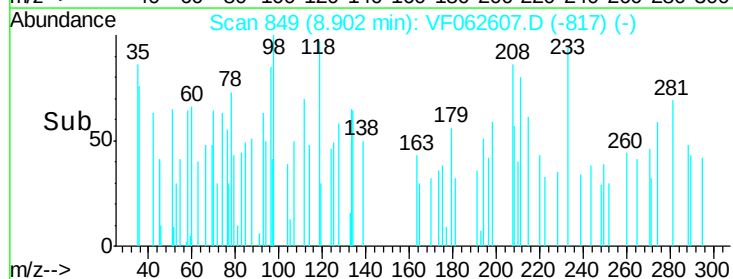
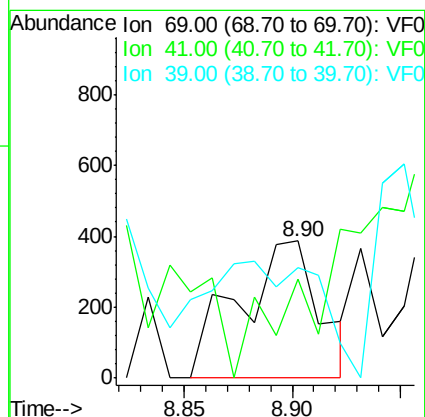
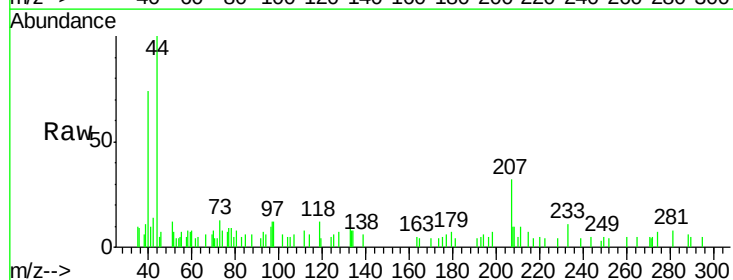
Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

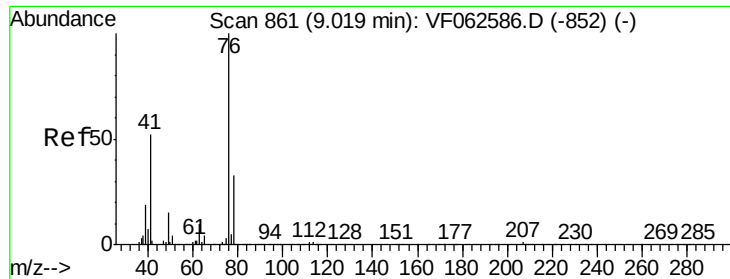
Tot Ion:	97	Resp:	349
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.3	106.9#
85	0.0	48.9	73.3#
99	0.0	48.4	72.6#



#56
 Ethyl methacrylate
 Concen: 1924.628 ug/l
 RT: 8.90 min Scan# 849
 Delta R.T. 0.12 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Tgt Ion:	69	Resp:	999
Ion	Ratio	Lower	Upper
69	100		
41	72.4	48.1	72.1#
39	80.1	22.5	33.7#





#57

1,3-Dichloropropane

Concen: 259.704 ug/l

RT: 9.09 min Scan# 868

Delta R.T. 0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

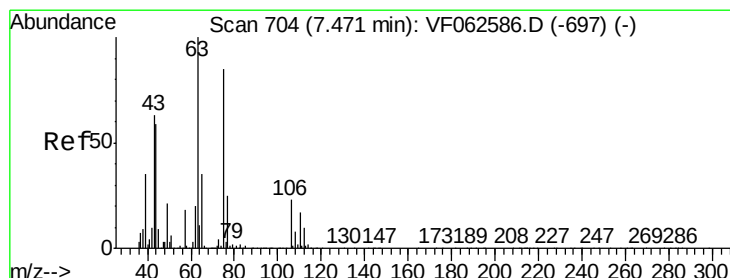
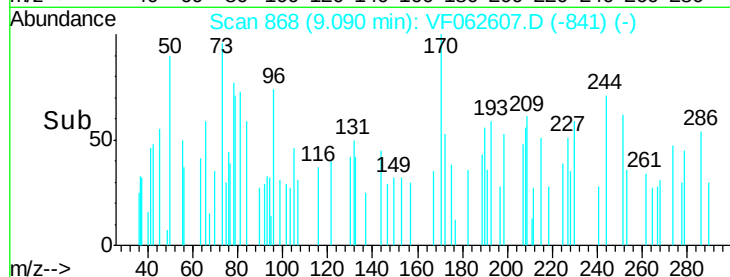
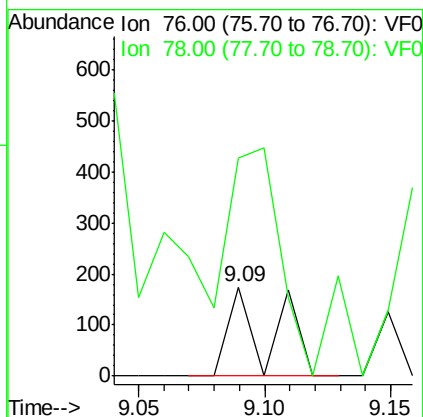
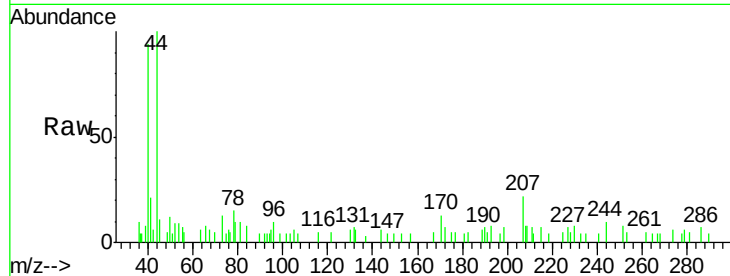
P-3-OW(0-10)

Tot Ion: 76 Resp: 203

Ion Ratio Lower Upper

76 100

78 246.0 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1533.170 ug/l

RT: 7.53 min Scan# 710

Delta R.T. 0.06 min

Lab File: VF062607.D

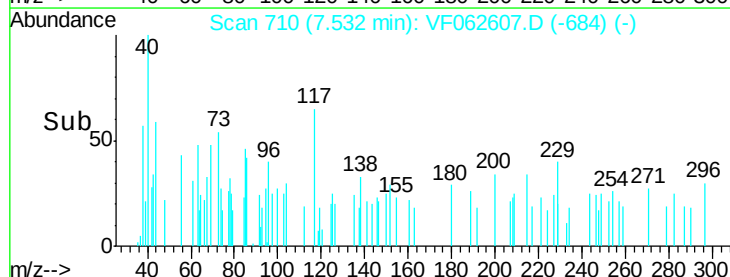
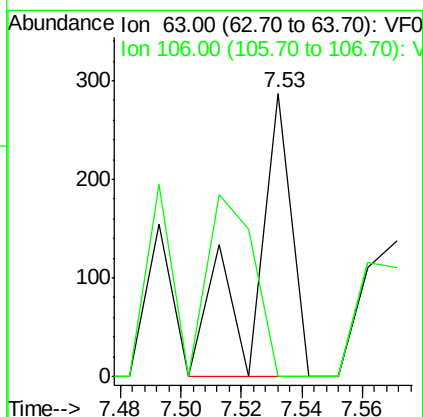
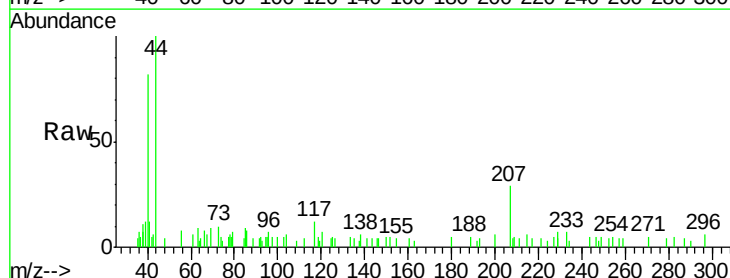
Acq: 15 May 2019 14:28

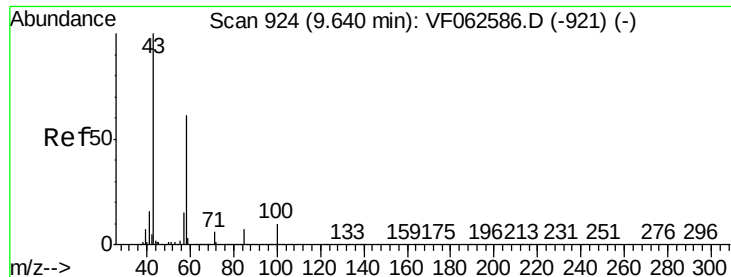
Tgt Ion: 63 Resp: 249

Ion Ratio Lower Upper

63 100

106 0.0 18.0 27.0#

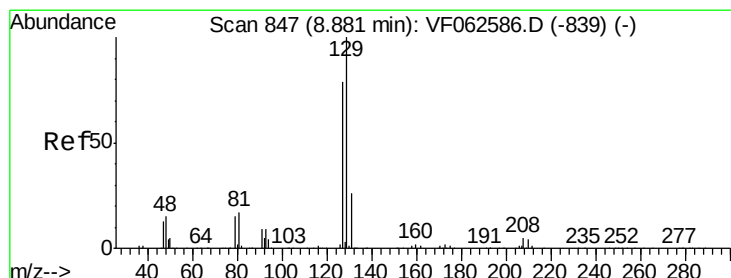
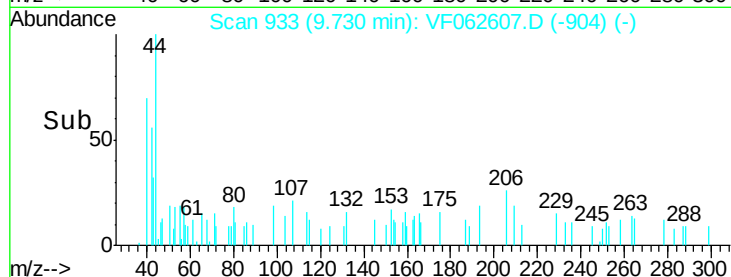
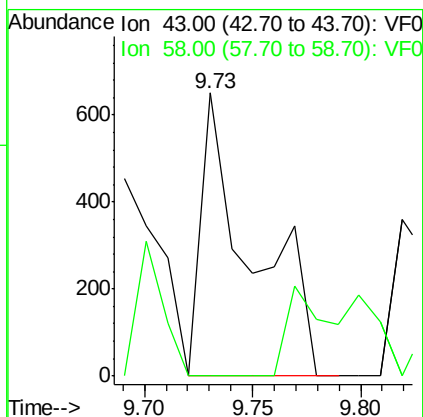
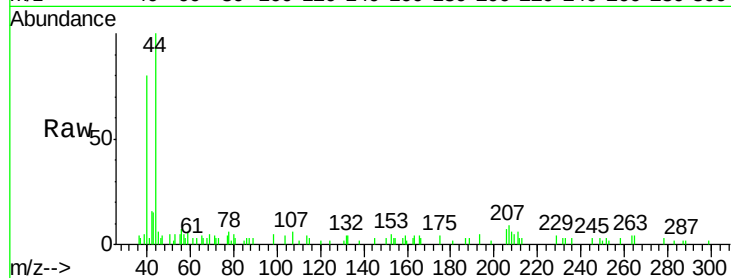




#59
2-Hexanone
Concen: 4032.378 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.09 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

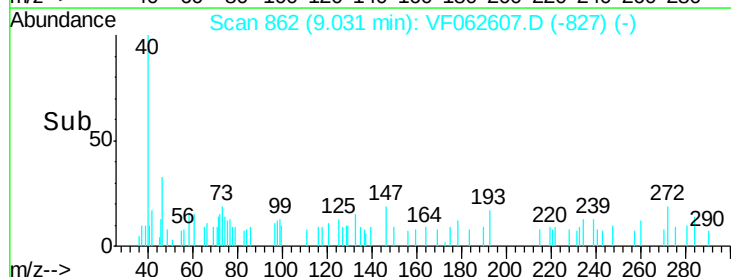
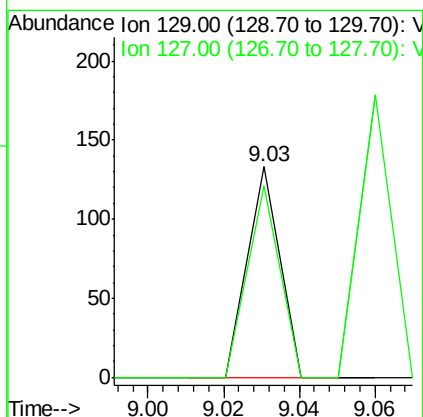
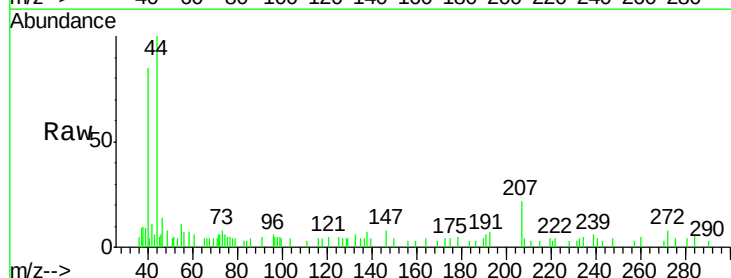
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

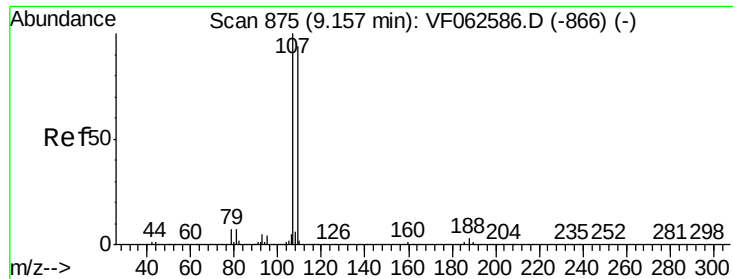
Tot Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.3#



#60
Dibromochloromethane
Concen: 131.291 ug/l
RT: 9.03 min Scan# 862
Delta R.T. 0.15 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 129 Resp: 79
Ion Ratio Lower Upper
129 100
127 91.0 39.3 117.9





#61

1,2-Dibromoethane

Concen: 301.058 ug/l

RT: 9.39 min Scan# 898

Delta R.T. 0.23 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

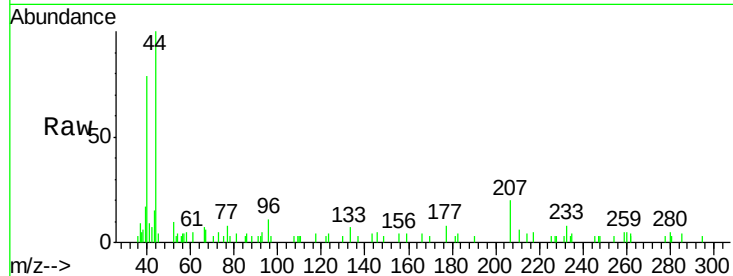
P-3-OW(0-10)

Tot Ion:107 Resp: 143

Ion Ratio Lower Upper

107 100

109 95.4 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.39

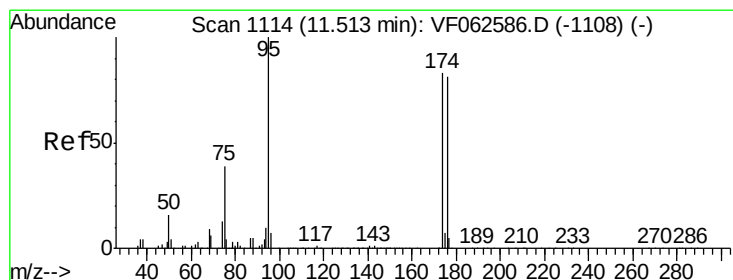
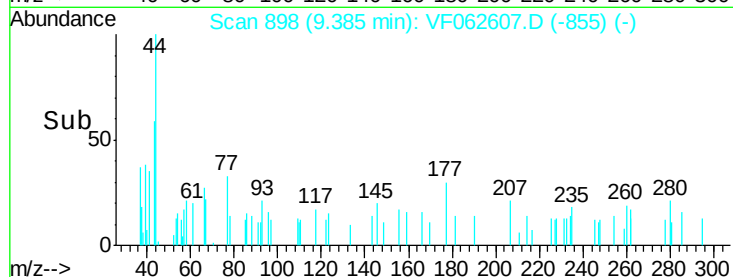
100

50

0

9.36 9.38 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 482.139 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.10 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

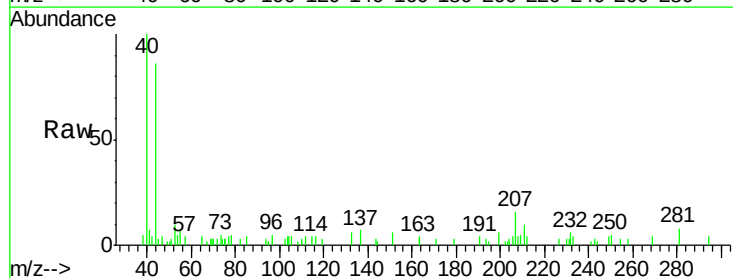
Tgt Ion: 95 Resp: 378

Ion Ratio Lower Upper

95 100

174 0.0 0.0 166.6

176 0.0 0.0 161.8



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

300

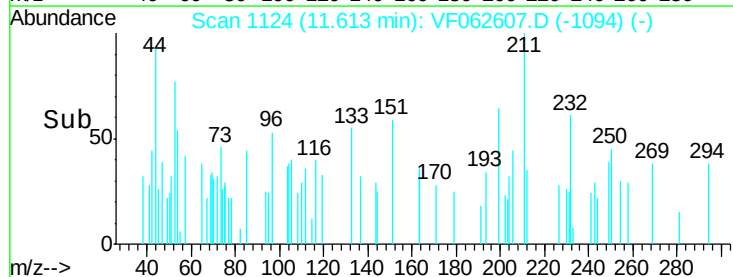
200

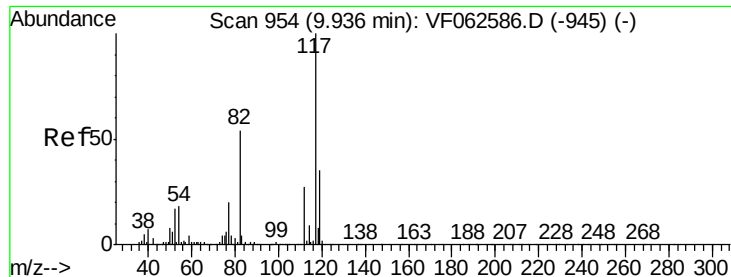
100

0

11.60 11.61 11.65

Time-->

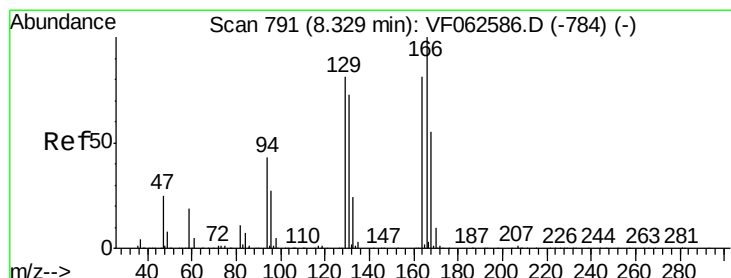
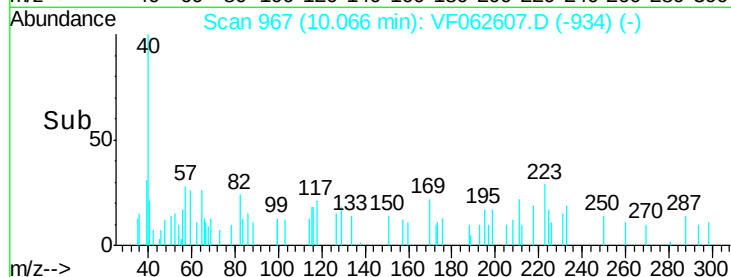
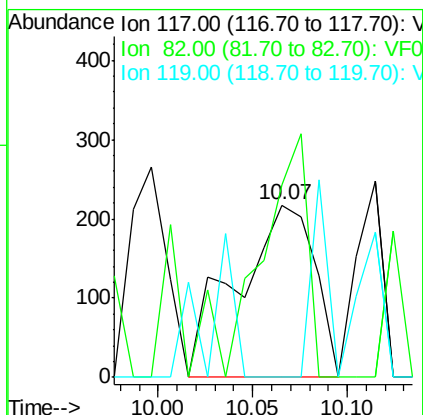
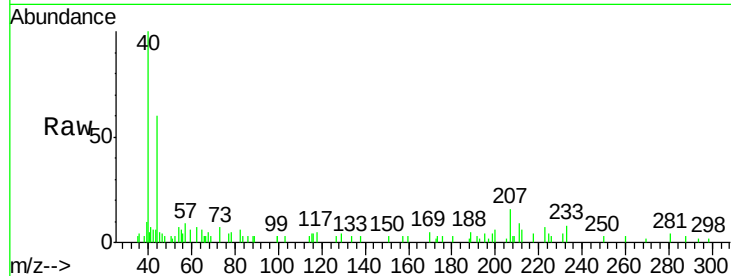




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.13 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

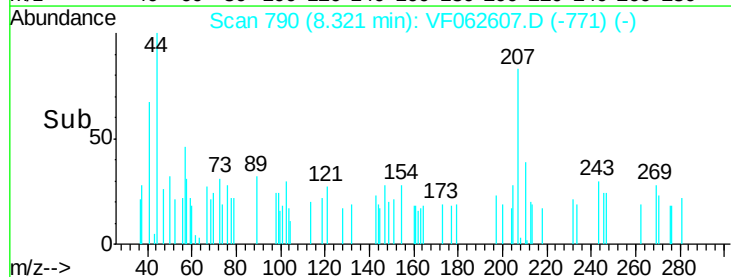
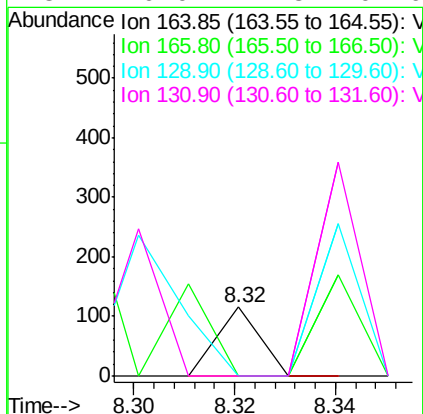
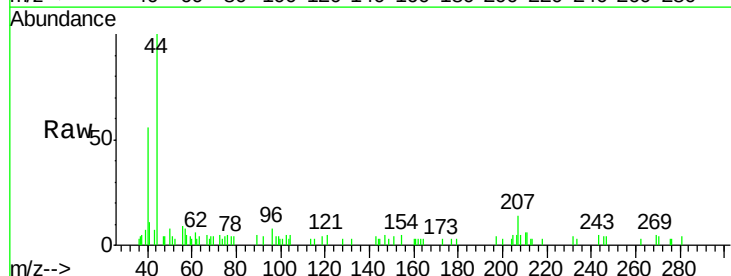
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

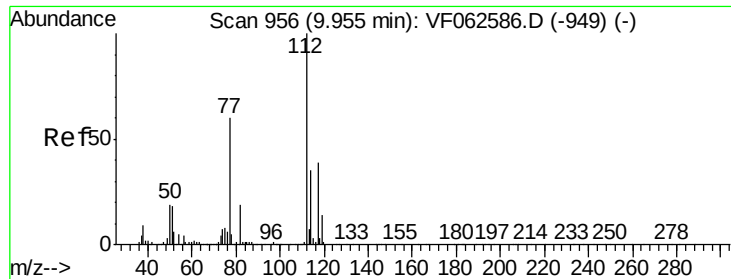
Tot Ion:117 Resp: 626
Ion Ratio Lower Upper
117 100
82 112.0 43.4 65.0#
119 0.0 27.7 41.5#



#64
Tetrachloroethene
Concen: 16.439 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion:164 Resp: 68
Ion Ratio Lower Upper
164 100
166 0.0 98.6 148.0#
129 0.0 80.2 120.4#
131 0.0 71.8 107.6#

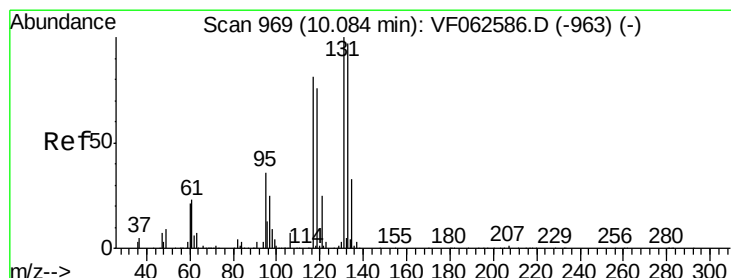
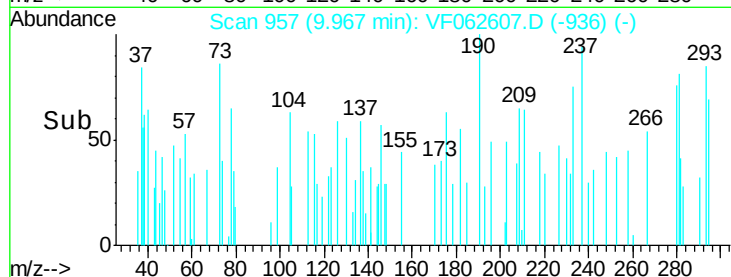
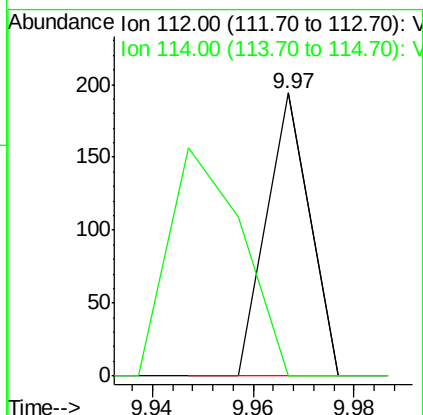
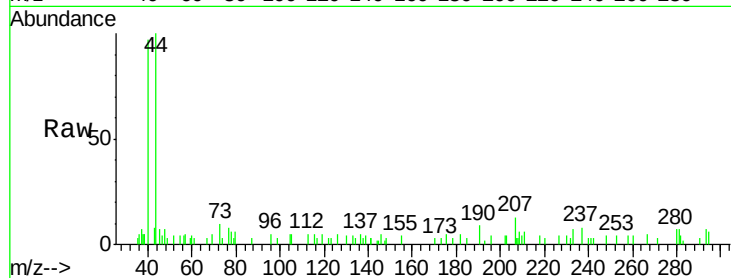




#65
Chlorobenzene
Concen: 10.567 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.01 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

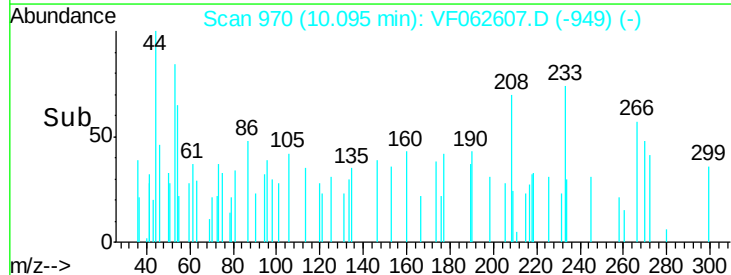
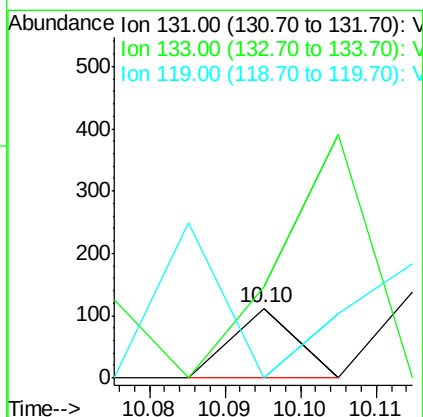
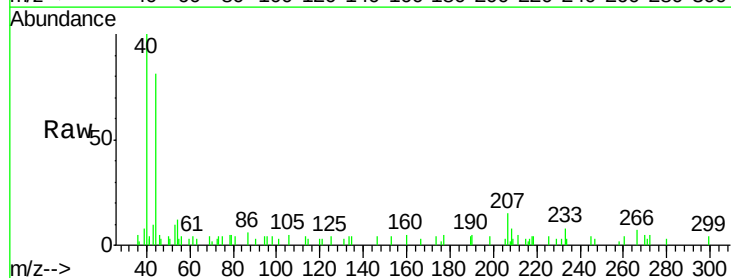
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

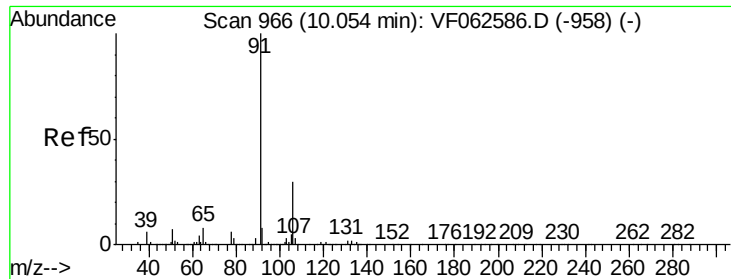
Tot Ion:112 Resp: 115
Ion Ratio Lower Upper
112 100
114 0.0 27.9 41.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 14.765 ug/l
RT: 10.10 min Scan# 970
Delta R.T. 0.01 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion:131 Resp: 66
Ion Ratio Lower Upper
131 100
133 130.4 48.4 145.3
119 0.0 38.5 115.5#

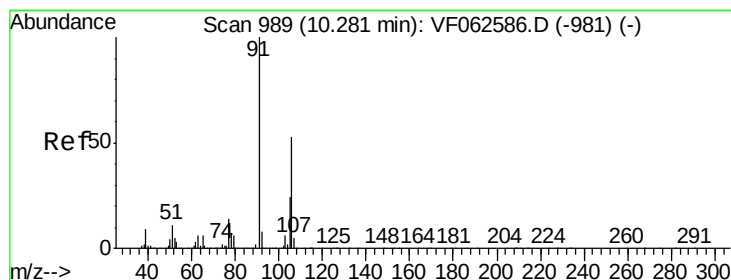
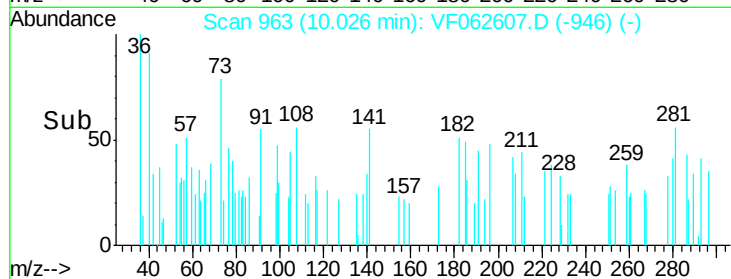
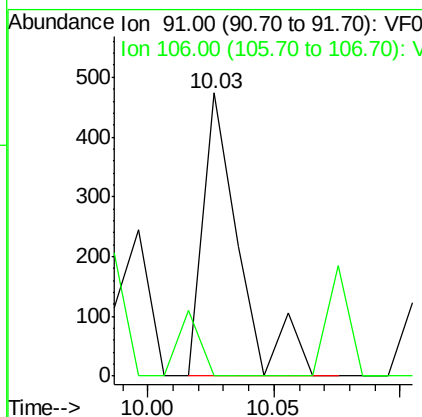
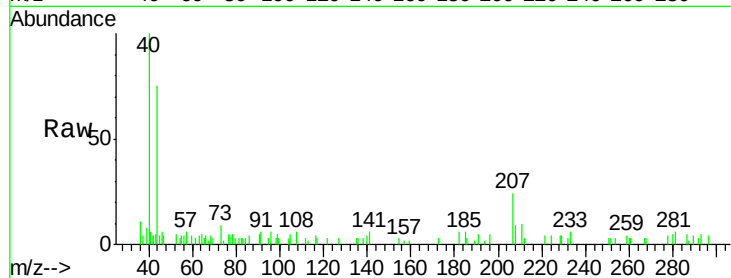




#67
Ethyl Benzene
Concen: 24.307 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

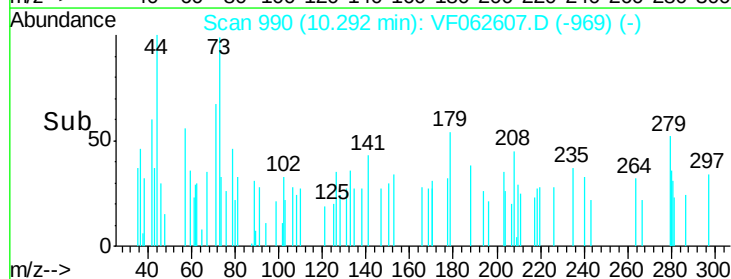
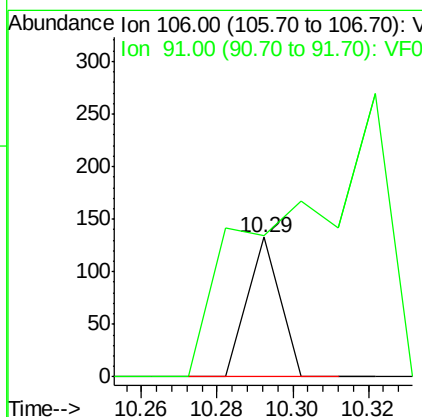
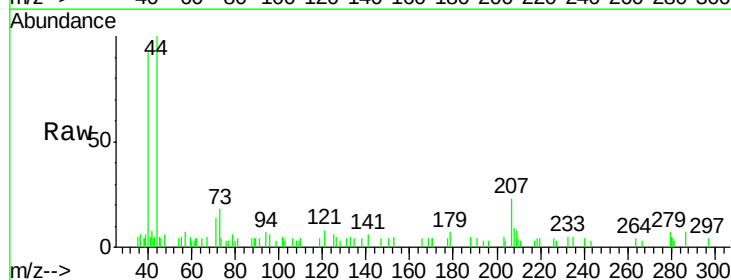
Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

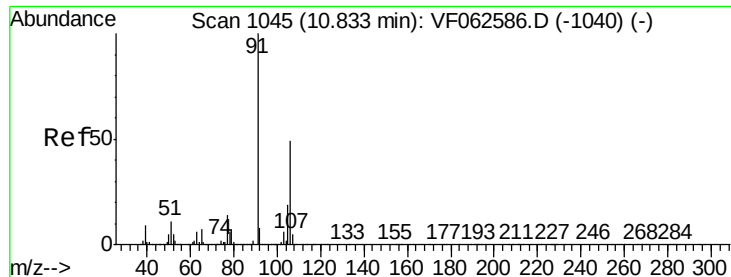
Tot Ion: 91 Resp: 470
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#



#68
m/p-Xylenes
Concen: 11.527 ug/l
RT: 10.29 min Scan# 990
Delta R.T. 0.01 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion: 106 Resp: 79
Ion Ratio Lower Upper
106 100
91 101.5 150.5 225.7#

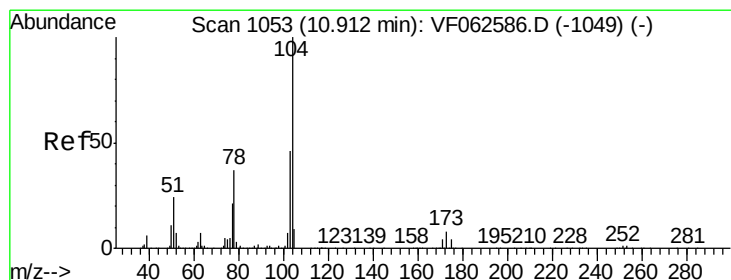
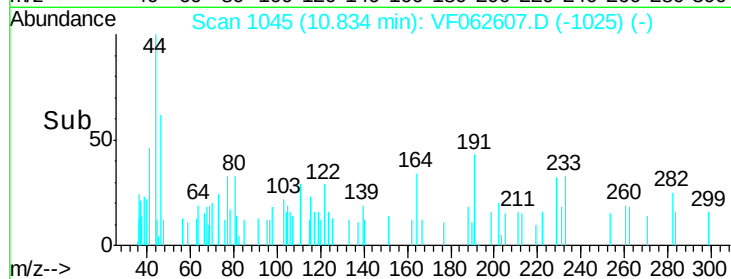
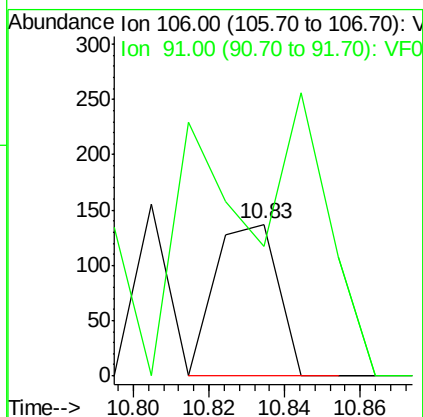
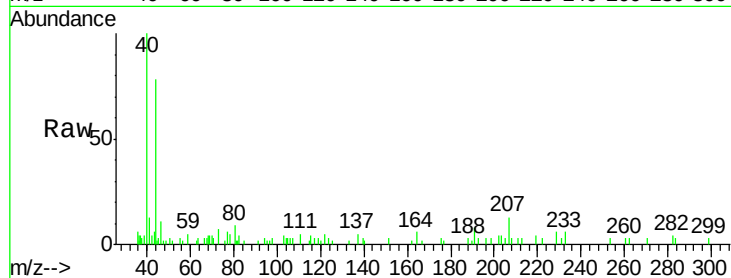




#69
o-Xylene
Concen: 21.699 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

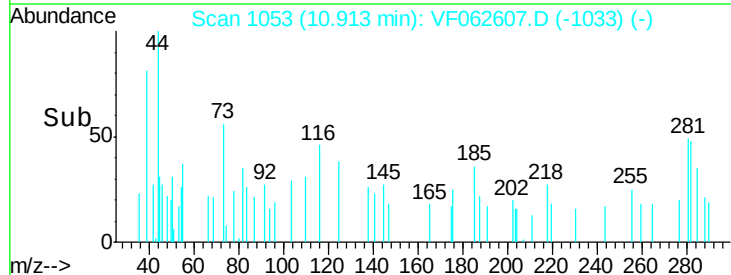
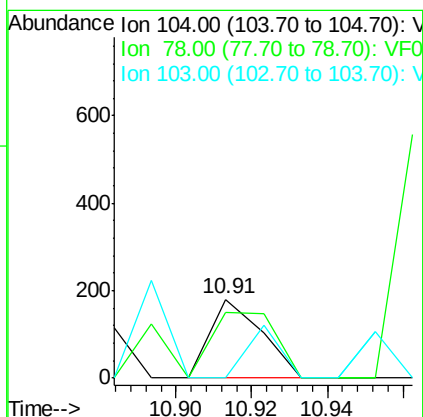
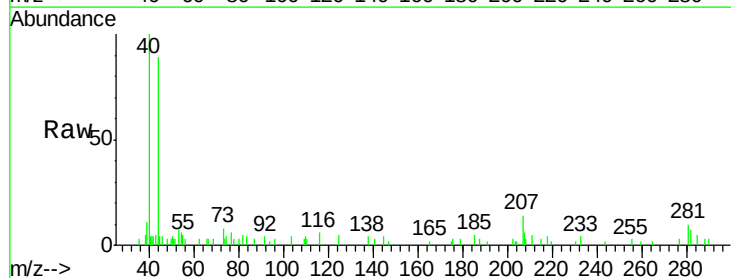
Instrument :
MSVOA_F
ClientSampled :
P-3-OW(0-10)

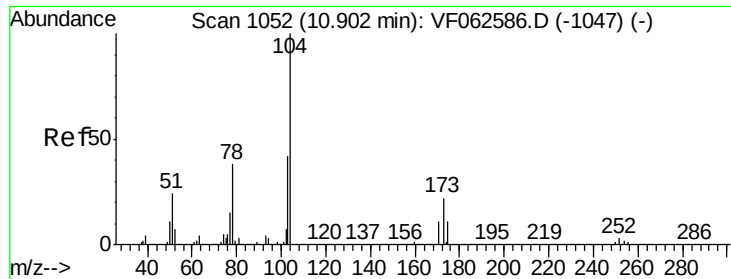
Tot Ion:106 Resp: 156
Ion Ratio Lower Upper
106 100
91 85.4 102.0 305.9#



#70
Styrene
Concen: 15.379 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062607.D
Acq: 15 May 2019 14:28

Tgt Ion:104 Resp: 168
Ion Ratio Lower Upper
104 100
78 82.8 30.2 45.2#
103 0.0 37.0 55.6#





#71

Bromoform

Concen: 38.009 ug/l

RT: 10.97 min Scan# 1059

Delta R.T. 0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

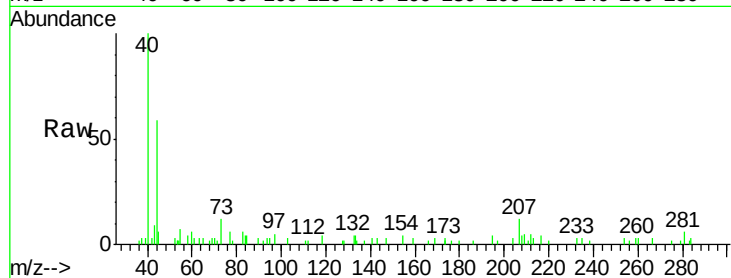
Tot Ion:173 Resp: 80

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

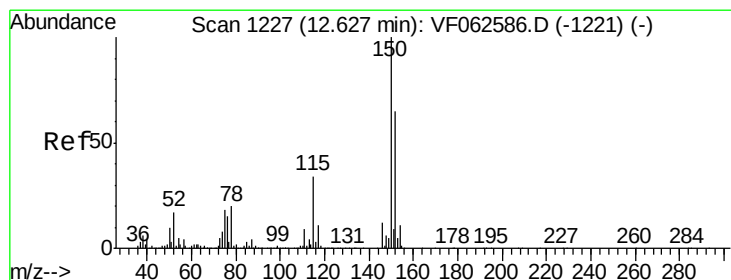
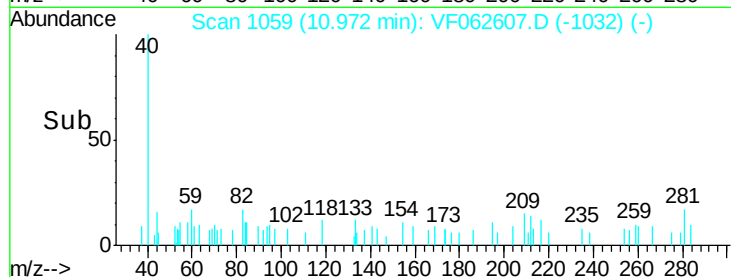
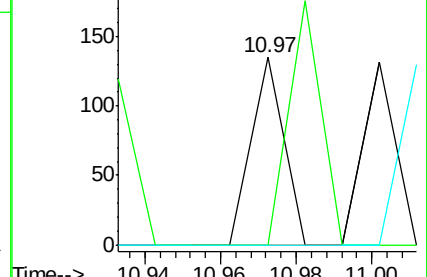
254 0.0 0.0 0.0



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: 12.55 min Scan# 1219

Delta R.T. -0.08 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

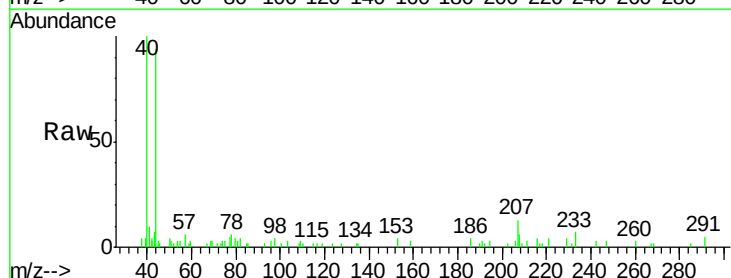
Tgt Ion:152 Resp: 118

Ion Ratio Lower Upper

152 100

115 57.8 26.2 78.6

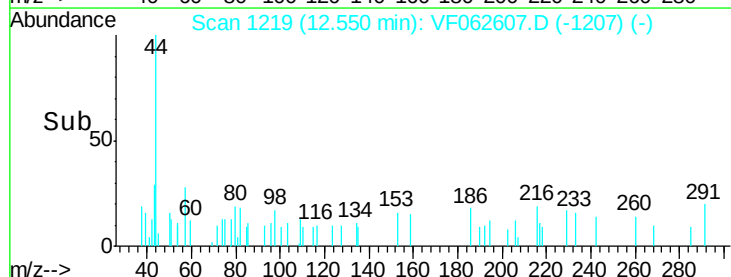
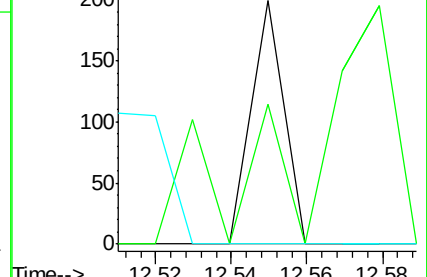
150 0.0 0.0 316.0

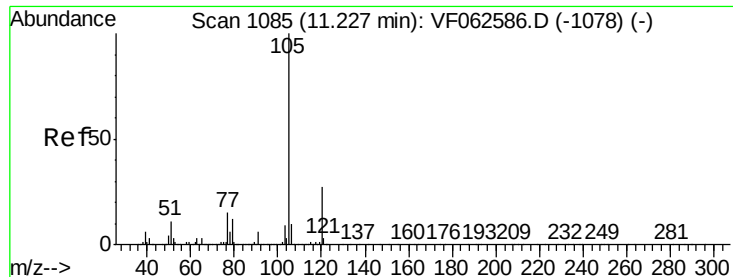


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 17.772 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

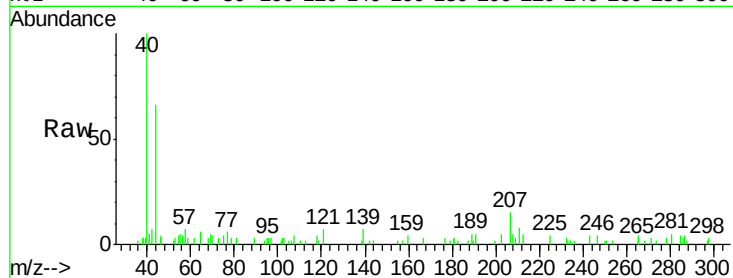
P-3-OW(0-10)

Tot Ion:105 Resp: 141

Ion Ratio Lower Upper

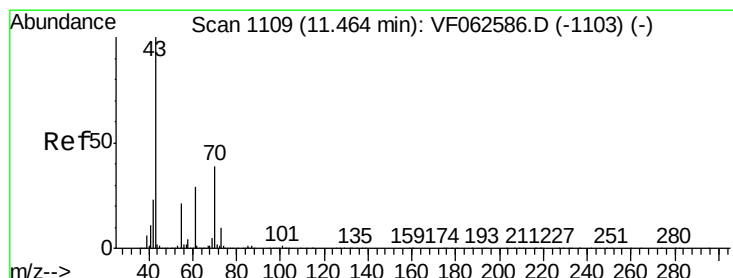
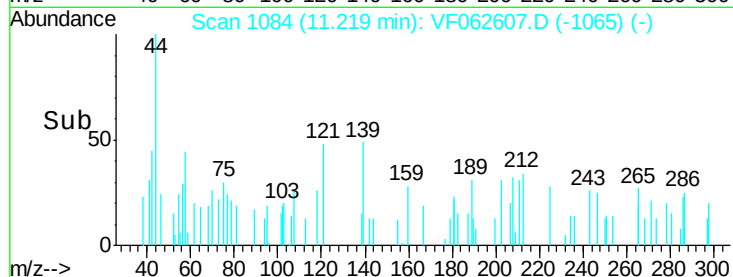
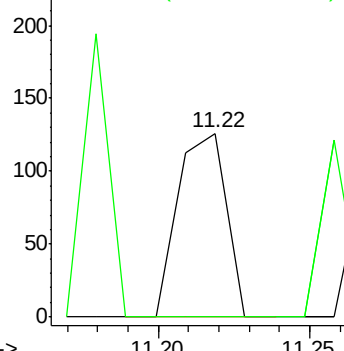
105 100

120 0.0 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 289.650 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion: 43 Resp: 558

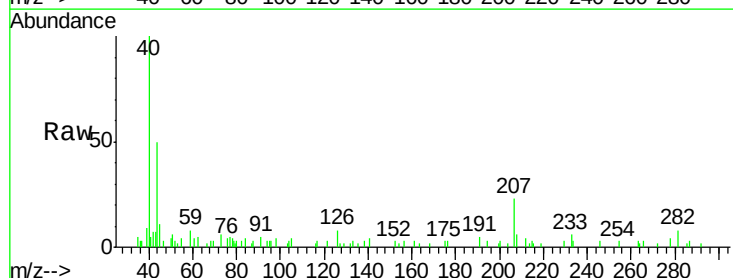
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.4#

55 60.9 16.7 25.1#

61 52.0 23.4 35.2#

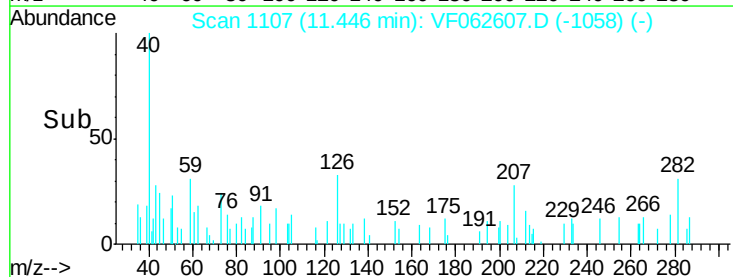
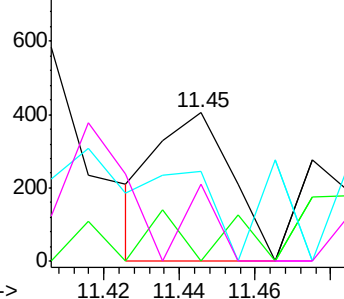


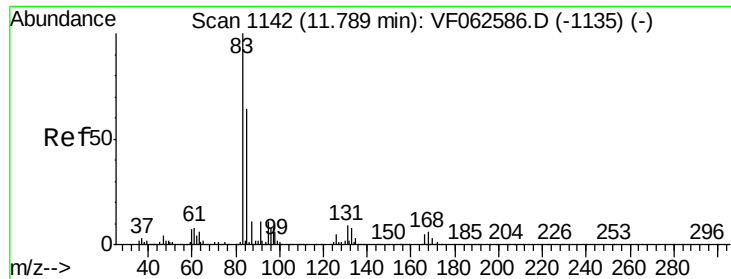
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 142.735 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

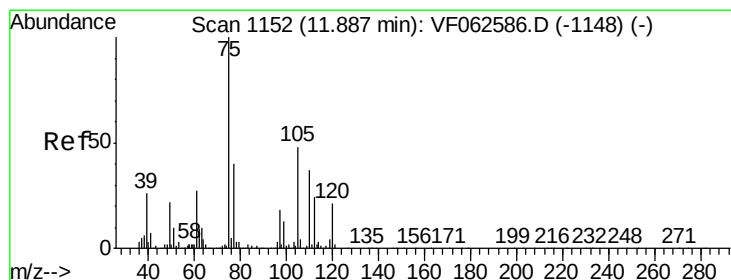
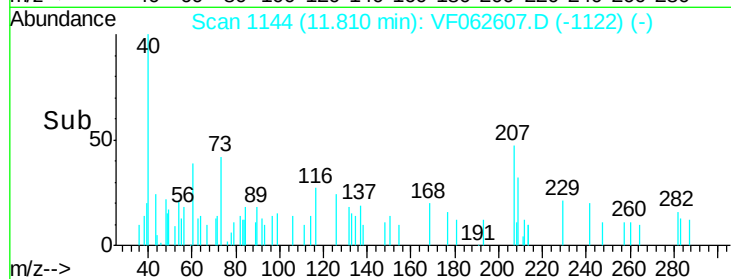
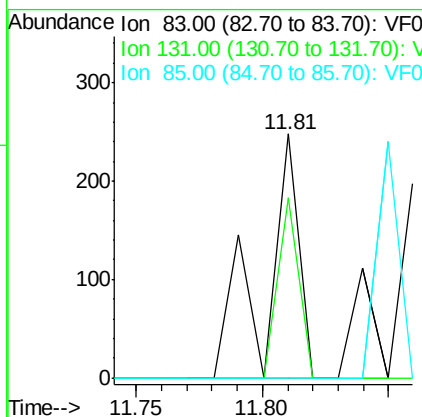
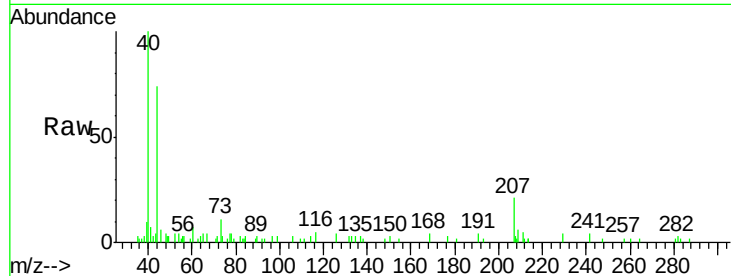
Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

Tot Ion:	83	Resp:	232
Ion	Ratio	Lower	Upper
83	100		
131	73.8	4.6	13.8#
85	0.0	32.1	96.3#



#76

1,2,3-Trichloropropane

Concen: 576.768 ug/l

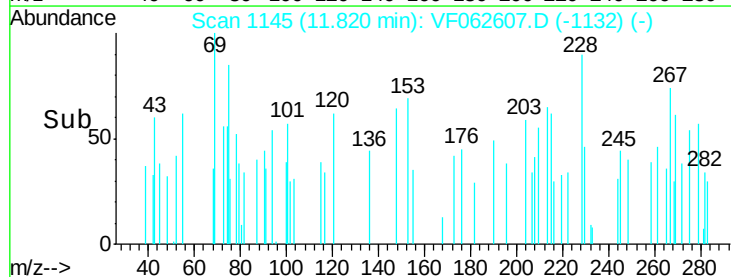
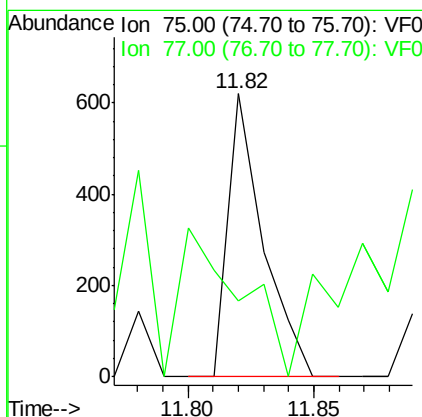
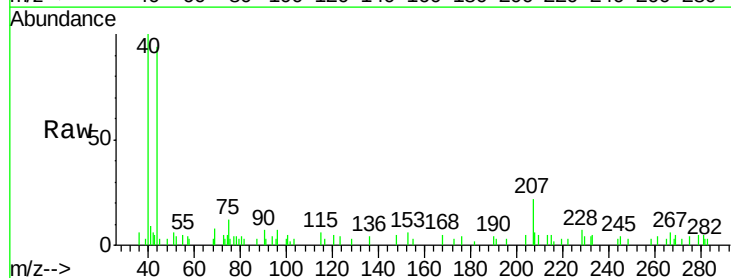
RT: 11.82 min Scan# 1145

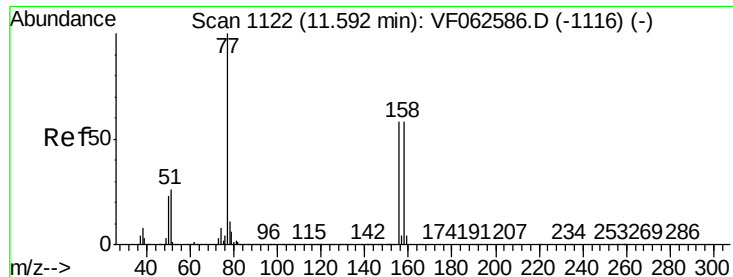
Delta R.T. -0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion:	75	Resp:	601
Ion	Ratio	Lower	Upper
75	100		
77	26.9	20.4	61.3





#77

Bromobenzene

Concen: 49.082 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

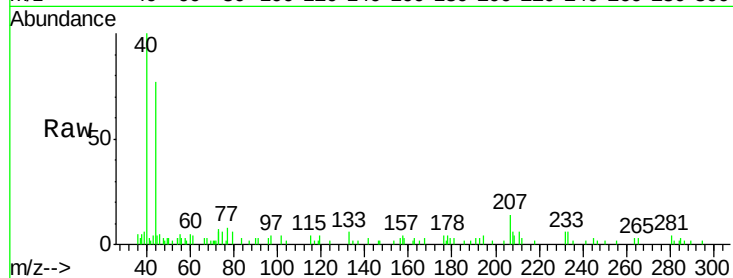
Tot Ion:156 Resp: 88

Ion Ratio Lower Upper

156 100

77 287.9 86.5 259.5#

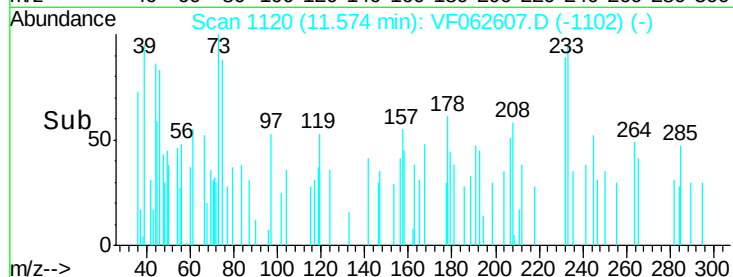
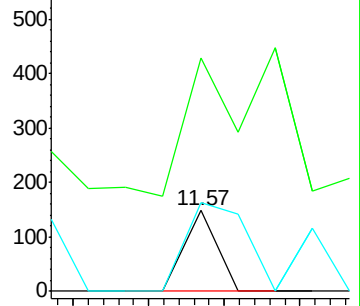
158 110.1 50.3 150.9



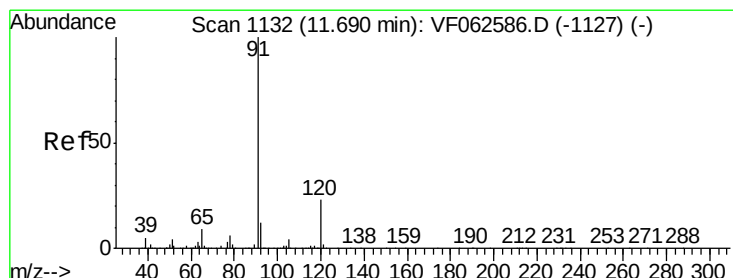
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 7.100 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062607.D

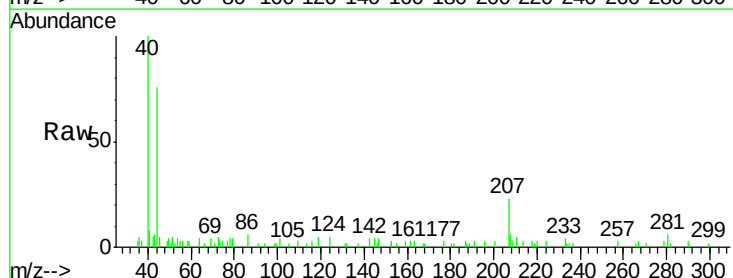
Acq: 15 May 2019 14:28

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

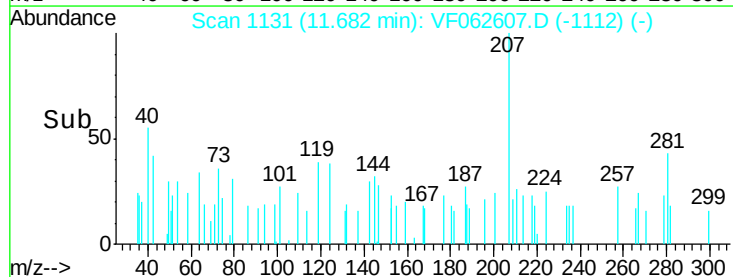
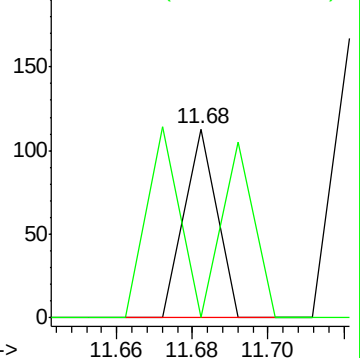
91 100

120 0.0 11.7 35.1#

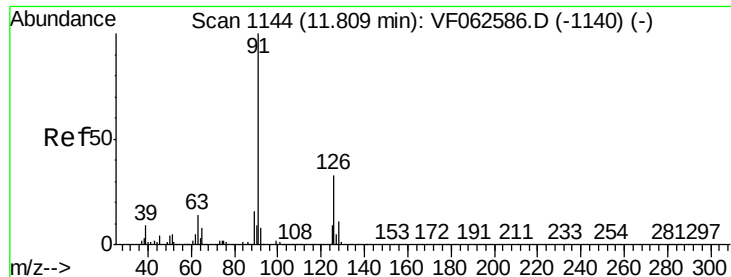


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 50.498 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampled :

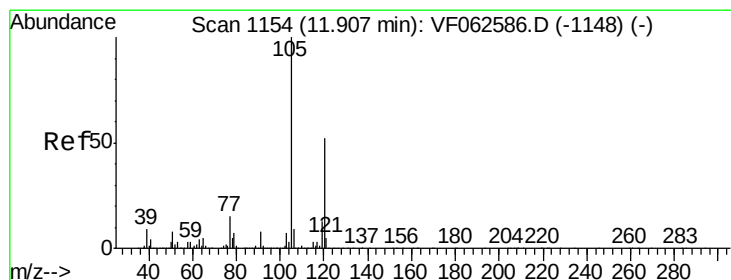
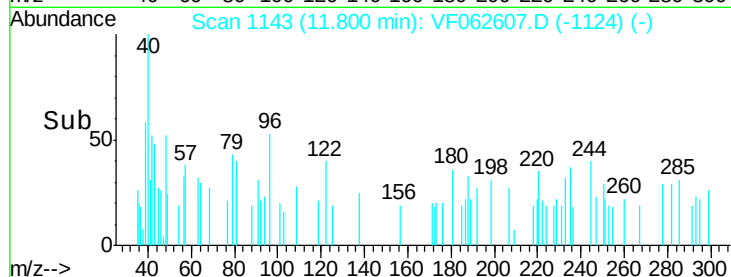
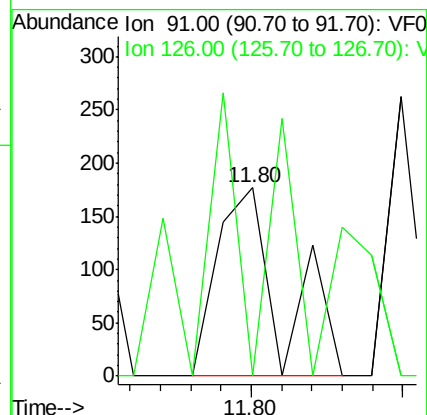
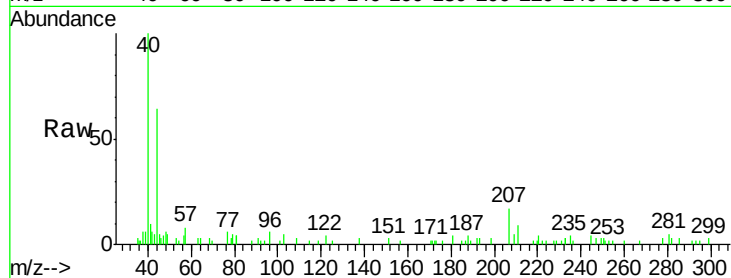
P-3-OW(0-10)

Tot Ion: 91 Resp: 263

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 10.627 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF062607.D

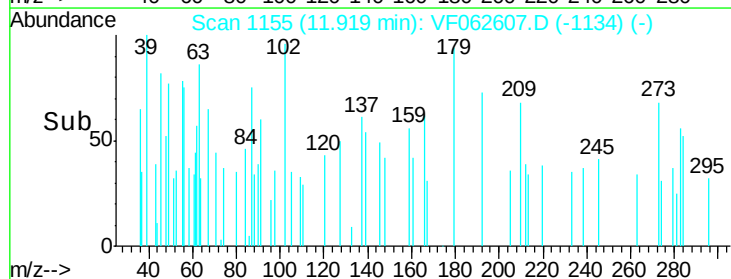
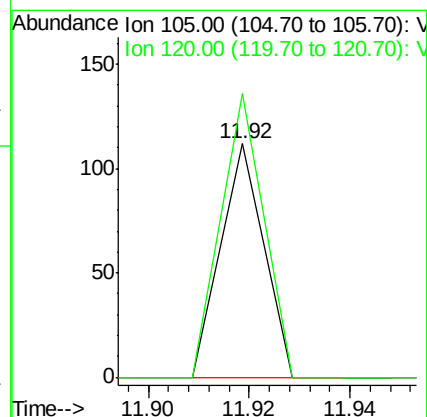
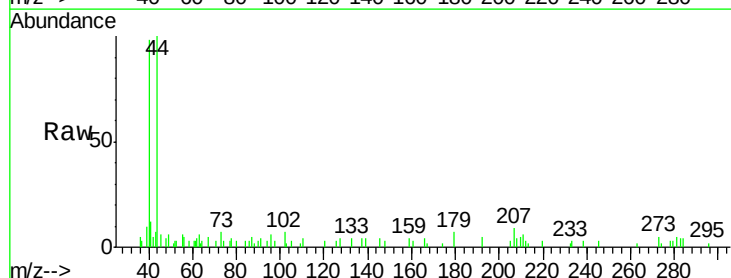
Acq: 15 May 2019 14:28

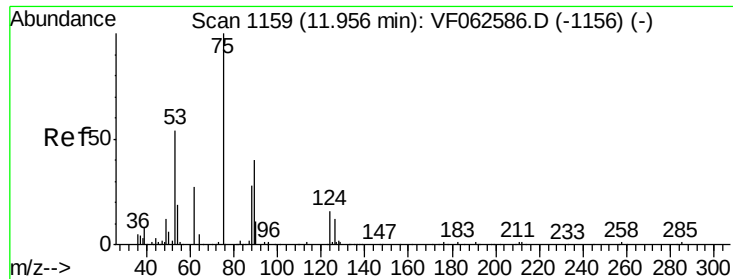
Tgt Ion: 105 Resp: 66

Ion Ratio Lower Upper

105 100

120 121.4 25.9 77.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 945.655 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

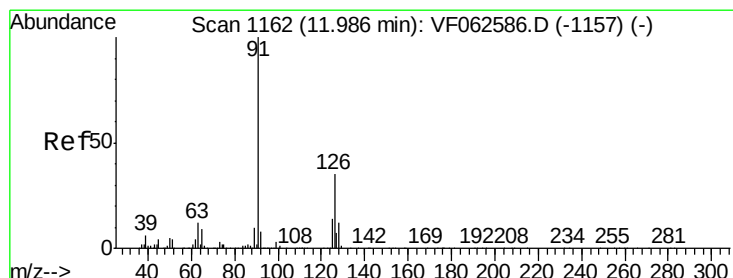
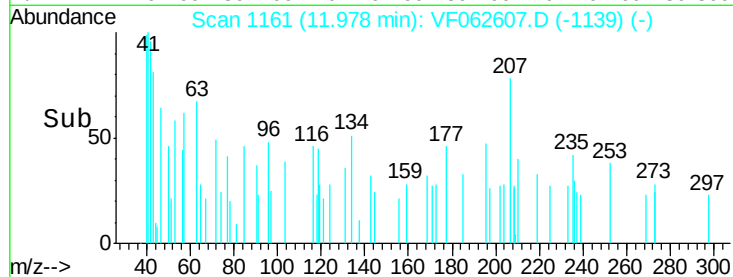
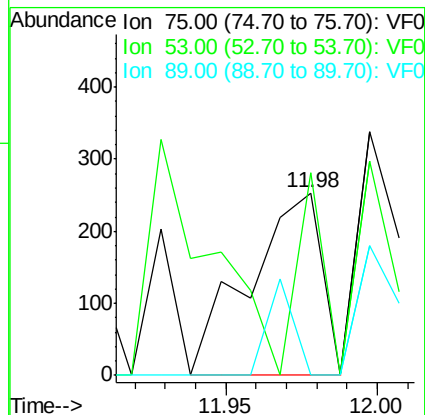
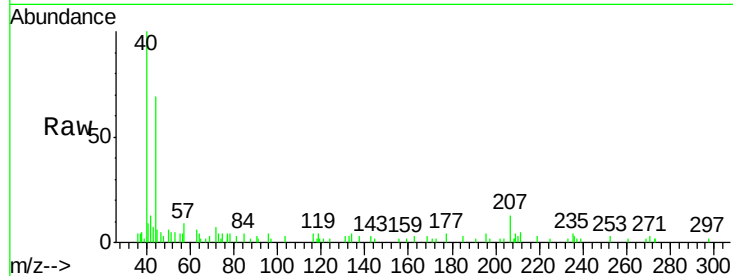
Tot Ion: 75 Resp: 420

Ion Ratio Lower Upper

75 100

53 111.5 46.6 70.0#

89 0.0 33.8 50.8#



#82

4-Chlorotoluene

Concen: 81.101 ug/l

RT: 12.07 min Scan# 1170

Delta R.T. 0.08 min

Lab File: VF062607.D

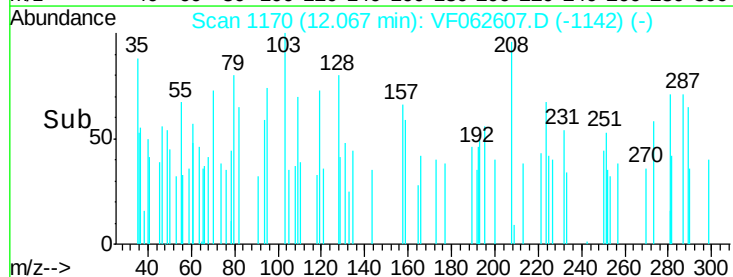
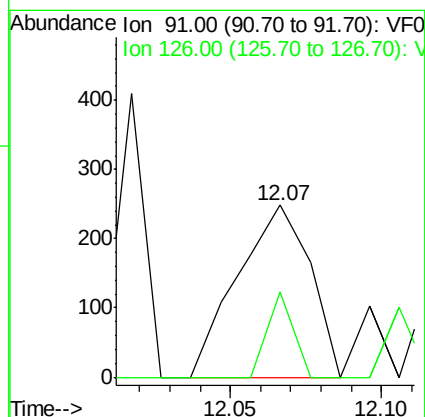
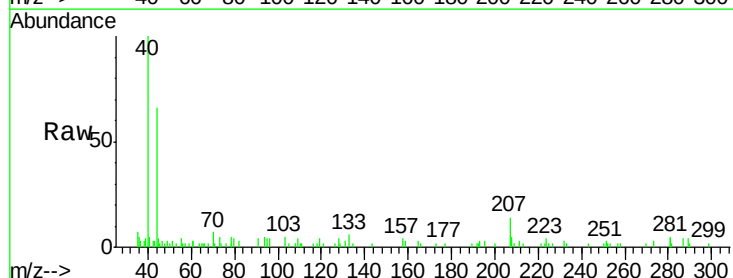
Acq: 15 May 2019 14:28

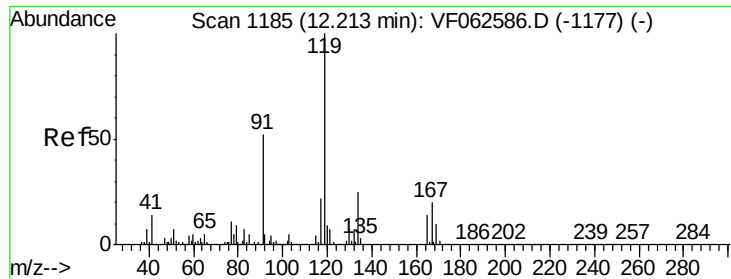
Tgt Ion: 91 Resp: 413

Ion Ratio Lower Upper

91 100

126 49.6 17.5 52.5





#83

tert-Butylbenzene

Concen: 48.180 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

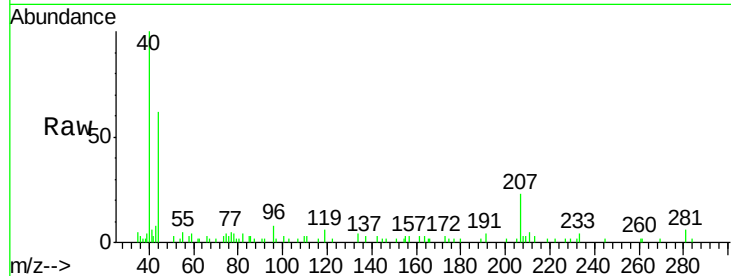
Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

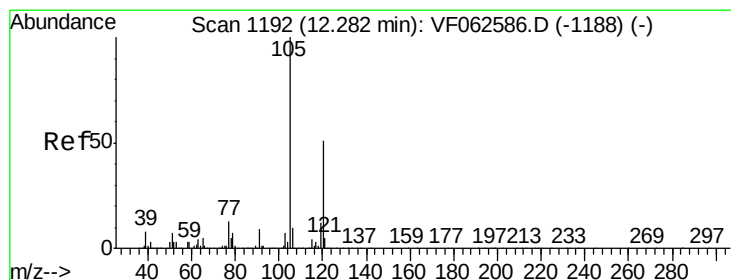
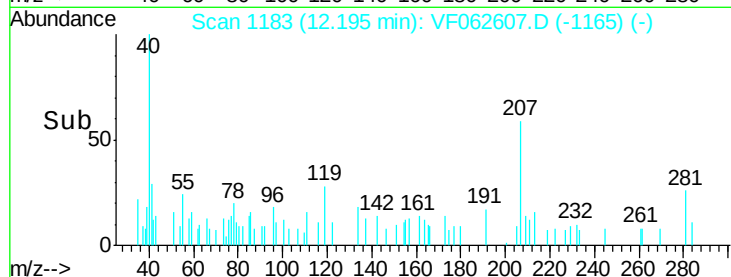
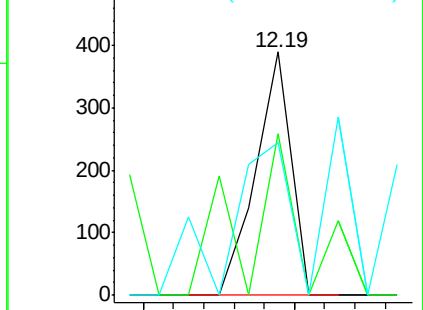
Tot Ion:	119	Resp:	313
Ion	Ratio	Lower	Upper
119	100		
91	66.2	26.0	78.0
134	62.6	12.6	37.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.424 ug/l

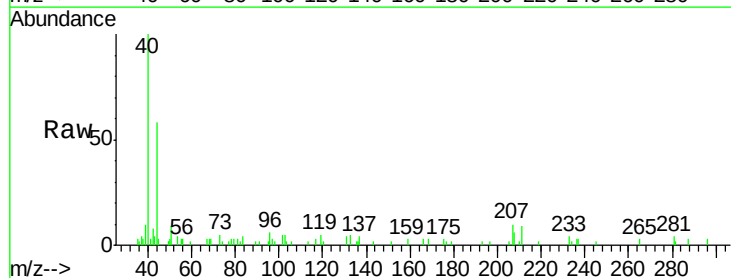
RT: 12.26 min Scan# 1190

Delta R.T. -0.02 min

Lab File: VF062607.D

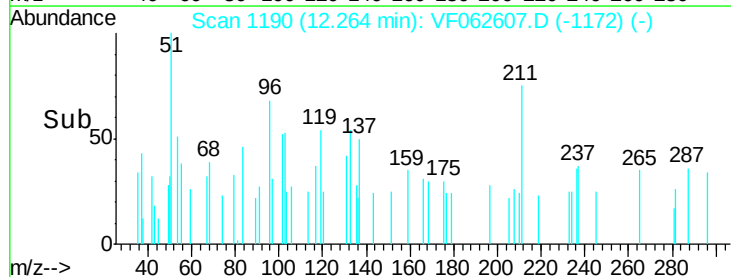
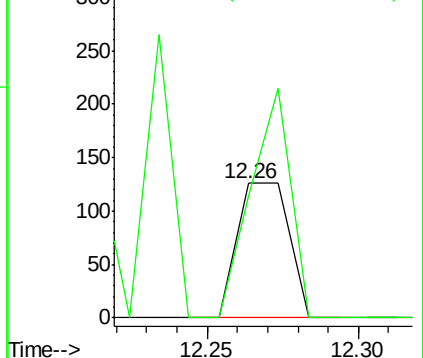
Acq: 15 May 2019 14:28

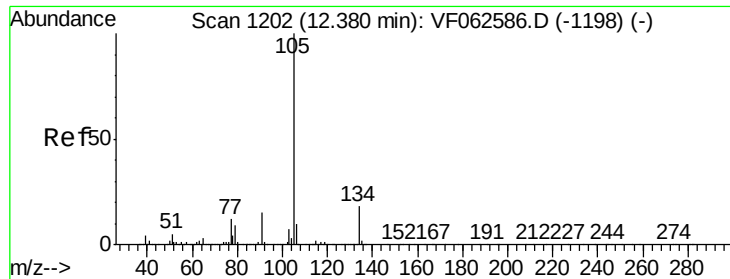
Tgt Ion:	105	Resp:	149
Ion	Ratio	Lower	Upper
105	100		
120	90.5	25.4	76.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

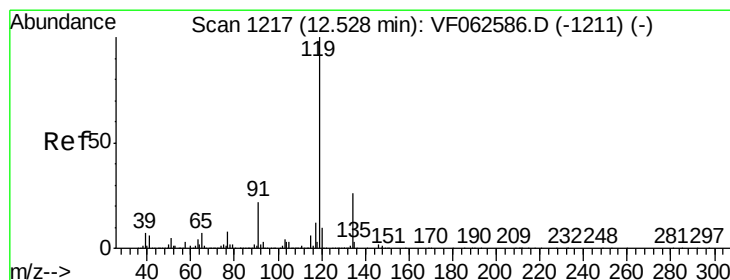
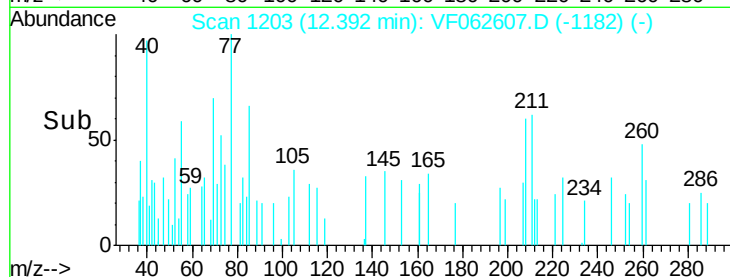
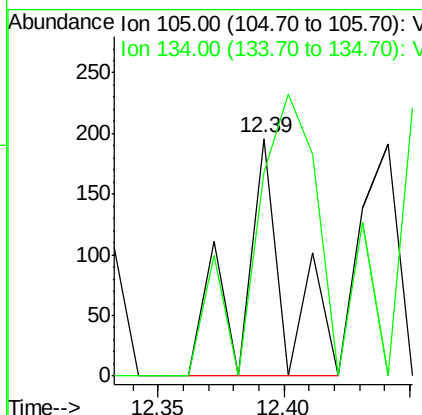
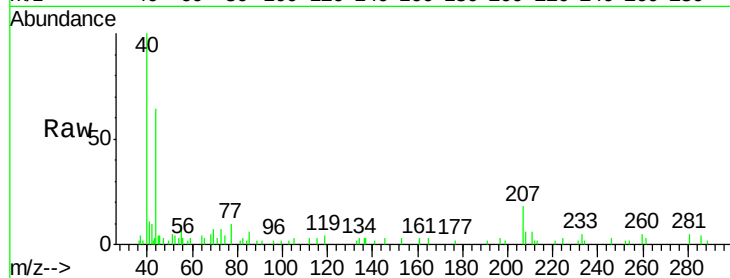




#85
 sec-Butylbenzene
 Concen: 27.438 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

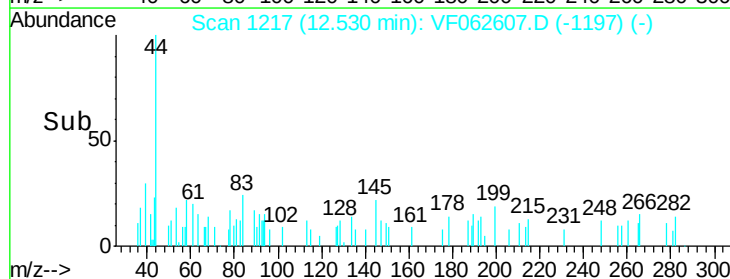
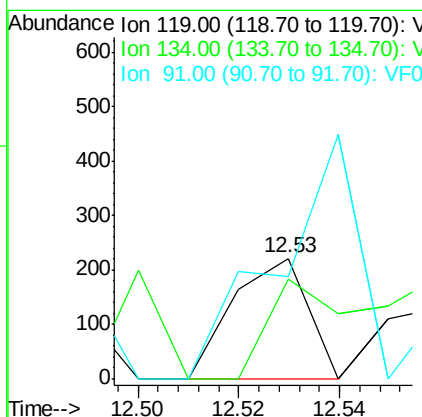
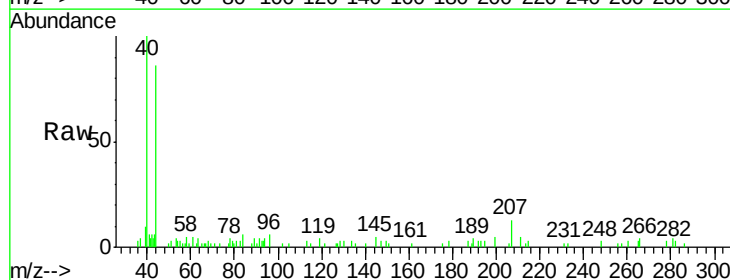
Instrument :
 MSVOA_F
 ClientSampleId :
 P-3-OW(0-10)

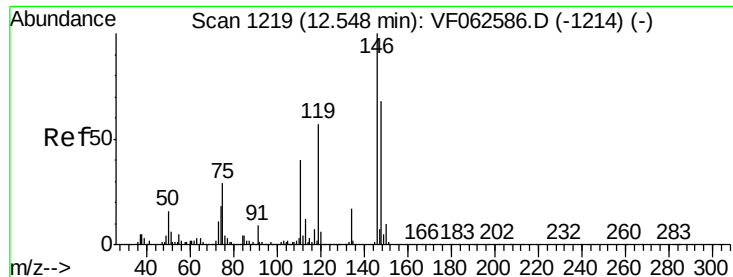
Tot Ion:105 Resp: 242
 Ion Ratio Lower Upper
 105 100
 134 85.7 9.3 27.7#



#86
 p-Isopropyltoluene
 Concen: 31.266 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062607.D
 Acq: 15 May 2019 14:28

Tgt Ion:119 Resp: 227
 Ion Ratio Lower Upper
 119 100
 134 82.4 13.0 39.0#
 91 84.6 10.9 32.9#





#87

1,3-Dichlorobenzene

Concen: 32.508 ug/l

RT: 12.58 min Scan# 1222

Delta R.T. 0.03 min

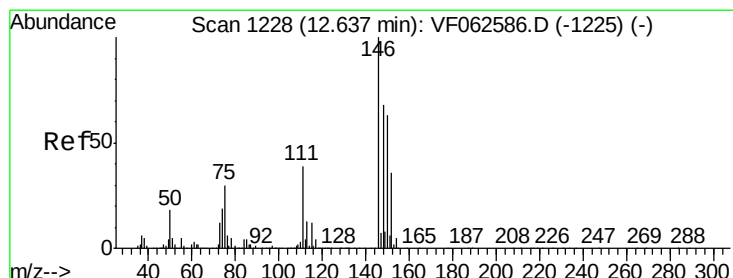
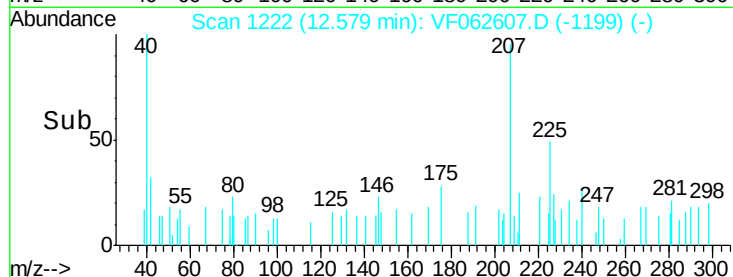
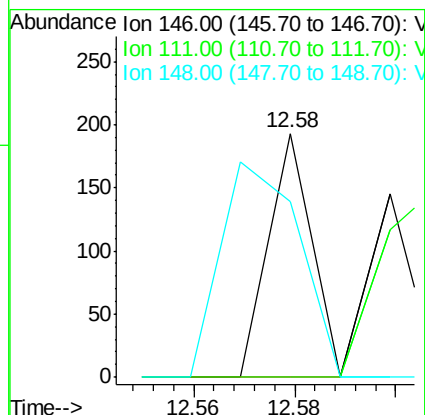
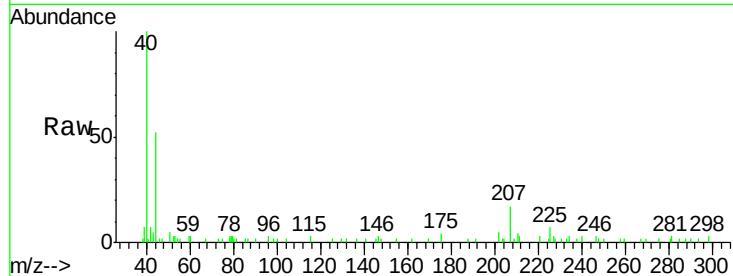
Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
P-3-OW(0-10)

Tot Ion:146 Resp: 114

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.1	60.2#
148	72.0	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 35.870 ug/l

RT: 12.65 min Scan# 1229

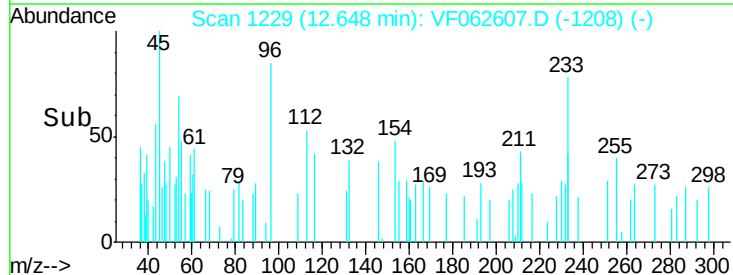
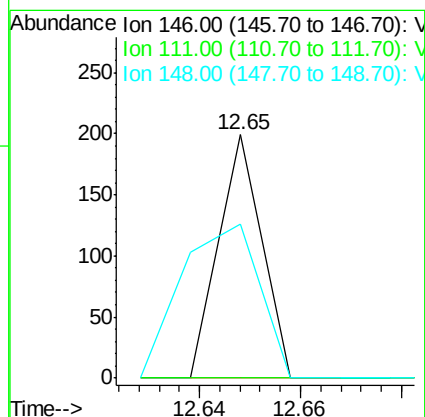
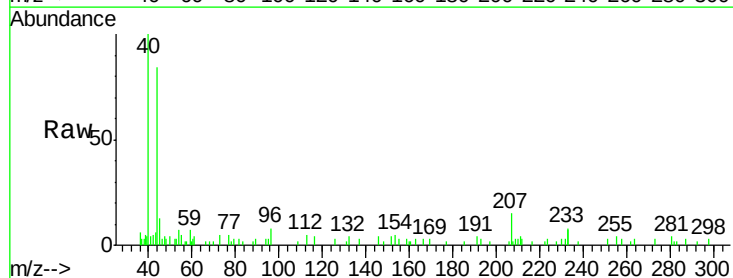
Delta R.T. 0.01 min

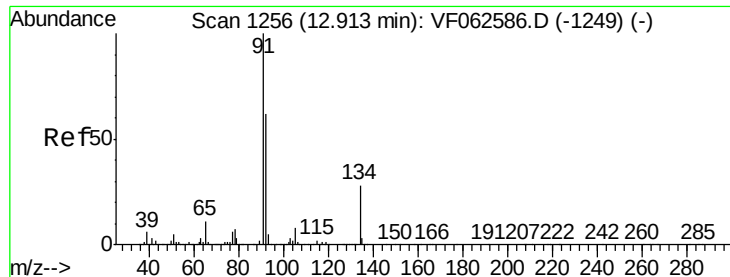
Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion:146 Resp: 118

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.1#
148	63.3	34.2	102.5





#89

n-Butylbenzene

Concen: 39.917 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

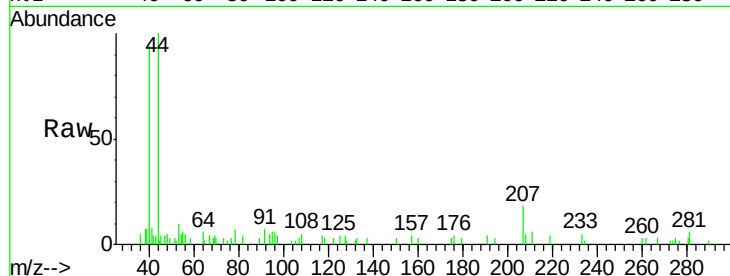
Tot Ion: 91 Resp: 295

Ion Ratio Lower Upper

91 100

92 0.0 30.9 92.8#

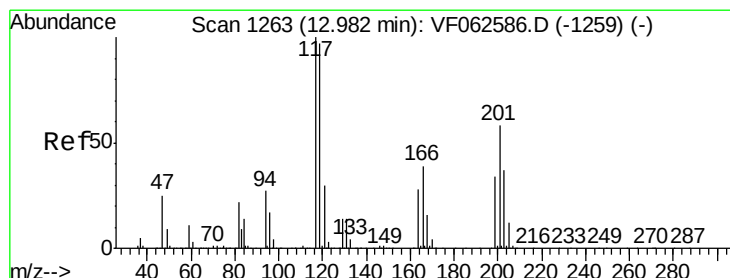
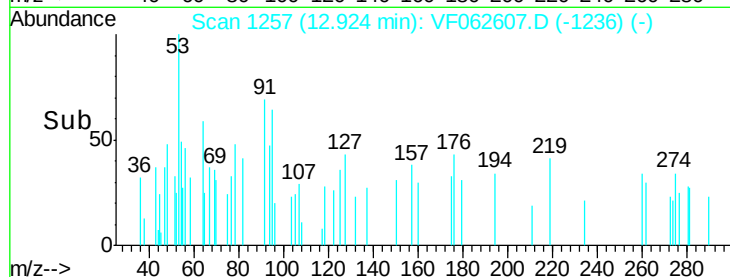
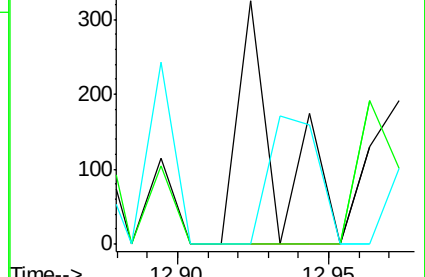
134 0.0 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.007 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.12 min

Lab File: VF062607.D

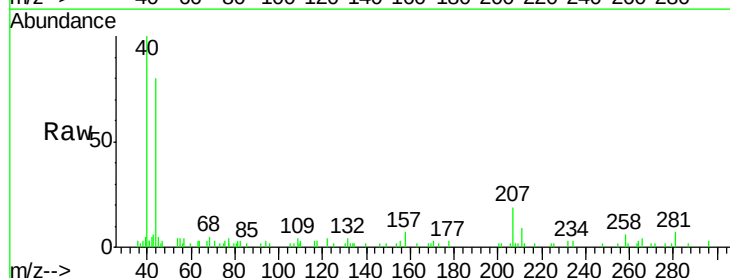
Acq: 15 May 2019 14:28

Tgt Ion: 117 Resp: 93

Ion Ratio Lower Upper

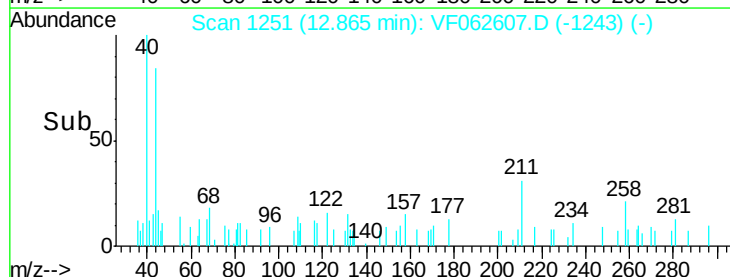
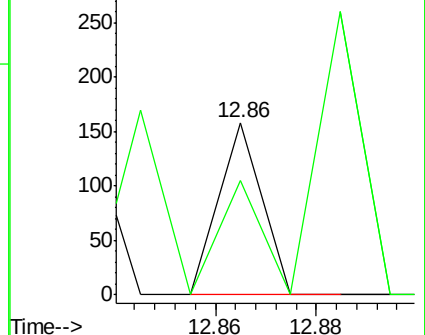
117 100

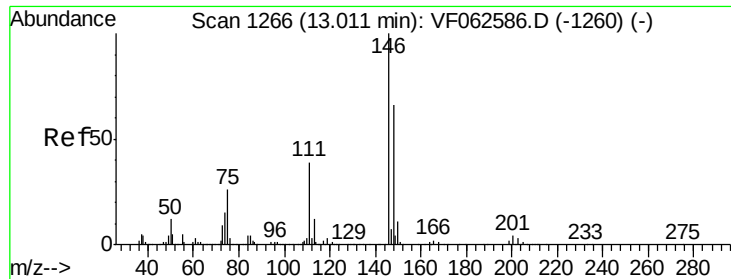
201 66.5 29.7 89.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 19.286 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

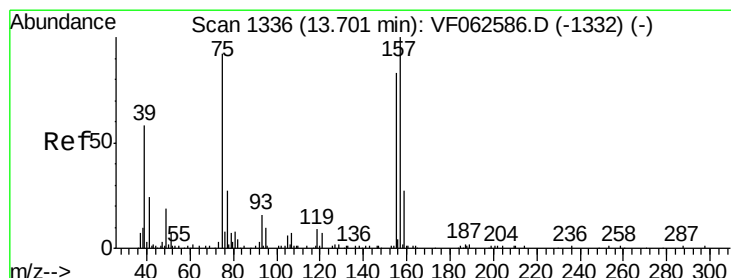
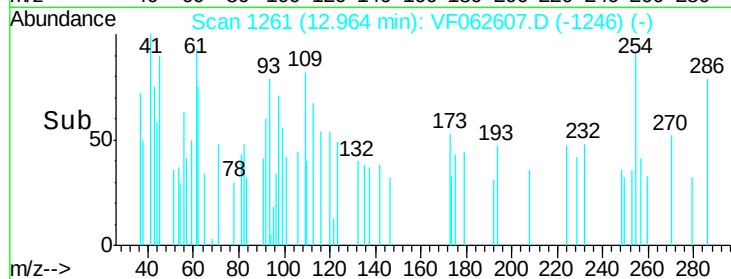
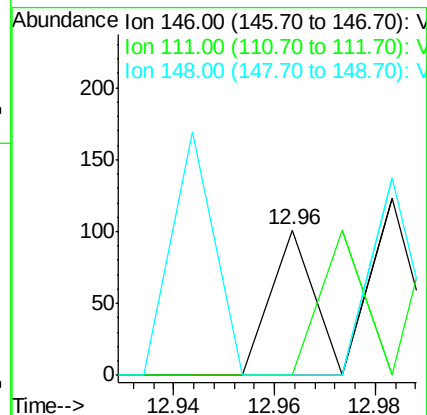
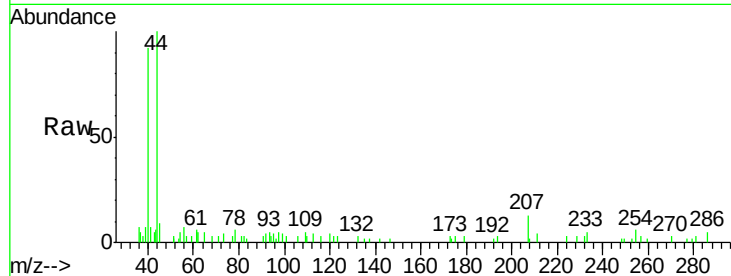
Instrument :

MSVOA_F

ClientSampled :

P-3-OW(0-10)

Tot Ion:	146	Resp:	60
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.1	99.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1277.211 ug/l

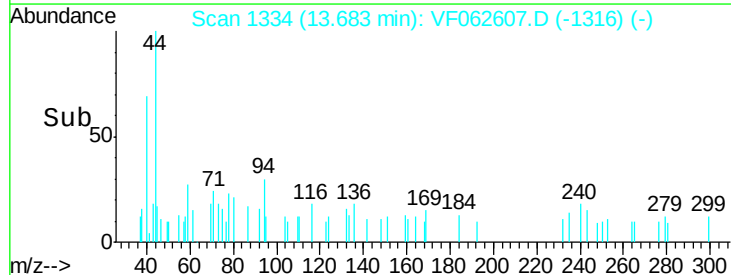
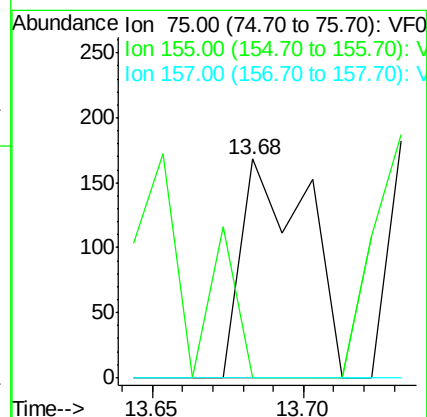
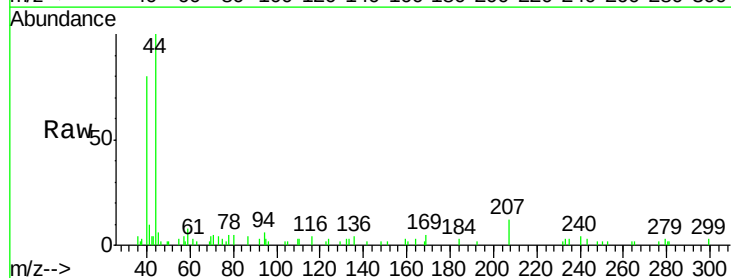
RT: 13.68 min Scan# 1334

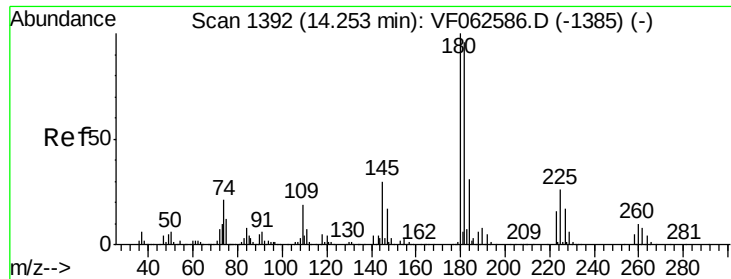
Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Tgt Ion:	75	Resp:	255
Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.8	134.4#
157	0.0	54.1	162.3#





#93

1,2,4-Trichlorobenzene

Concen: 34.668 ug/l

RT: 14.19 min Scan# 1385

Delta R.T. -0.07 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

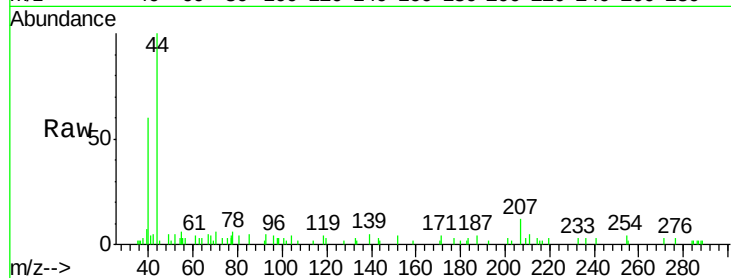
Tot Ion:180 Resp: 75

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

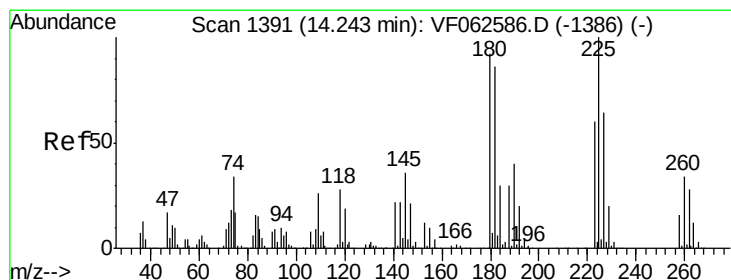
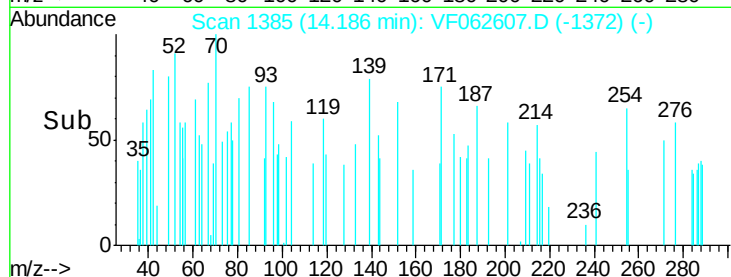
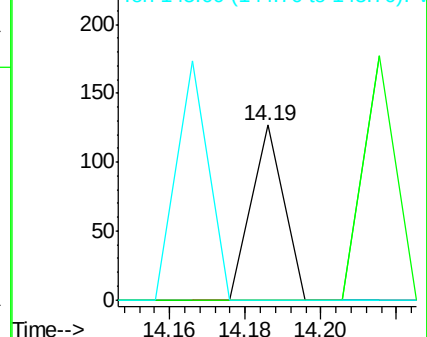
145 0.0 14.8 44.4#



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: 115.811 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

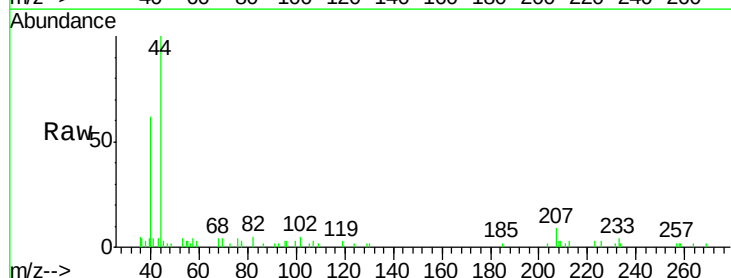
Tgt Ion:225 Resp: 182

Ion Ratio Lower Upper

225 100

223 106.1 29.9 89.7#

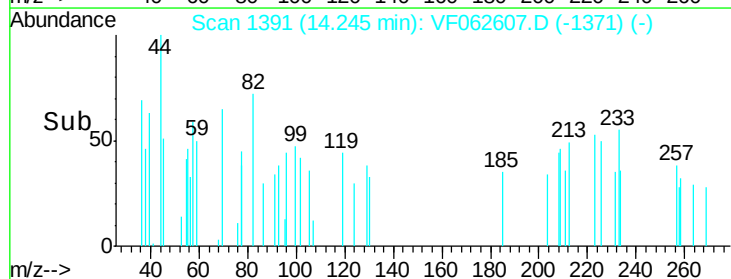
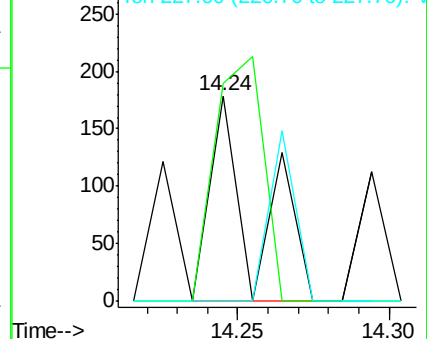
227 0.0 31.9 95.9#

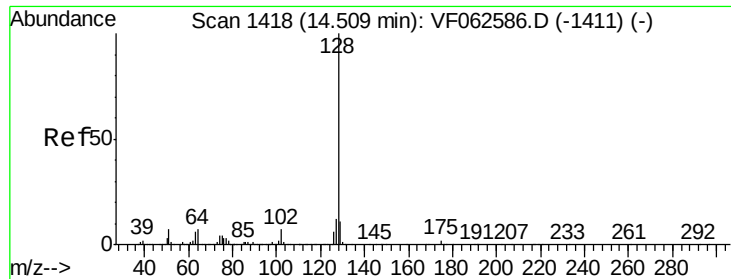


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 47.995 ug/l

RT: 14.46 min Scan# 1413

Delta R.T. -0.05 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

P-3-OW(0-10)

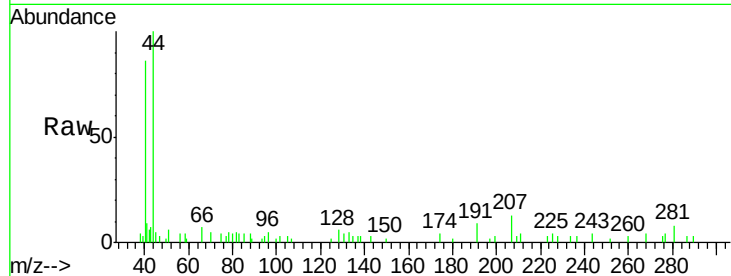
Tot Ion:128 Resp: 169

Ion Ratio Lower Upper

128 100

127 0.0 9.5 14.3#

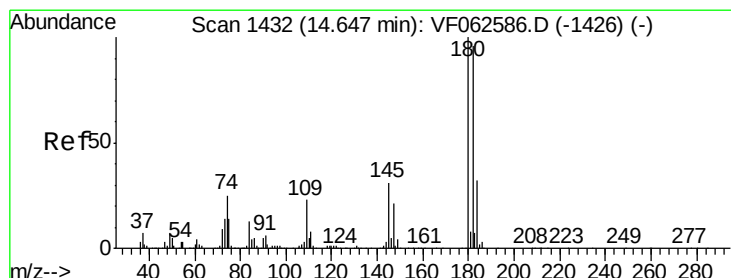
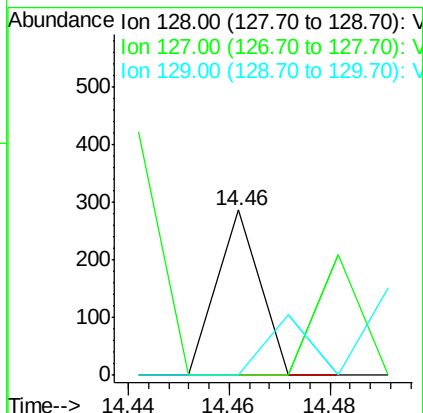
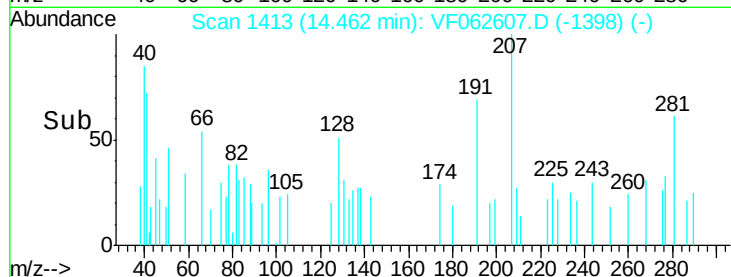
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 74.242 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.02 min

Lab File: VF062607.D

Acq: 15 May 2019 14:28

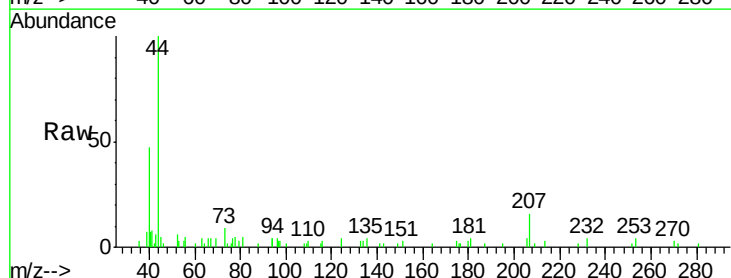
Tgt Ion:180 Resp: 149

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 0.0 15.6 46.7#



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

