

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062459.D
 Acq On : 11 May 2019 14:48
 Operator : FY/SY
 Sample : K2754-07RE
 Misc : 5.05µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	3748	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	2013	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	102	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.48	152	59	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.10	65	169	4.77	ug/l	0.08
Spiked Amount			Recovery	=	9.54%	
35) Dibromofluoromethane	4.32	113	746	46.52	ug/l	0.02
Spiked Amount			Recovery	=	93.04%	
50) Toluene-d8	7.73	98	1782	45.90	ug/l	0.03
Spiked Amount			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.56	95	62	3.54	ug/l	0.07
Spiked Amount			Recovery	=	7.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.86	85	143	3.297	ug/l #	41
3) Chloromethane	1.16	50	79	2.761	ug/l #	8
4) Vinyl Chloride	1.03	62	67	2.348	ug/l #	1
6) Chloroethane	1.45	64	118	8.225	ug/l #	41
7) Trichlorofluoromethane	1.58	101	66	1.115	ug/l #	20
8) Diethyl Ether	1.56	74	90	10.046	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	1.91	101	73	2.160	ug/l #	18
10) Methyl Iodide	1.95	142	81	1.454	ug/l #	29
11) Tert butyl alcohol	2.69	59	233	116.392	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	62	2.158	ug/l #	1
13) Acrolein	2.14	56	75	43.142	ug/l #	13
14) Allyl chloride	2.18	41	138	5.437	ug/l #	5
15) Acrylonitrile	3.05	53	62	16.350	ug/l #	24
16) Acetone	2.33	43	577	80.528	ug/l #	62
18) Methyl Acetate	2.46	43	306	21.641	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	529	8.918	ug/l #	61
20) Methylene Chloride	2.37	84	73	2.816	ug/l #	1
21) trans-1,2-Dichloroethene	2.45	96	150	5.479	ug/l #	1
22) Diisopropyl ether	2.97	45	82	1.034	ug/l #	39
23) Vinyl Acetate	3.31	43	739	20.900	ug/l #	79
24) 1,1-Dichloroethane	3.05	63	63	1.314	ug/l #	86
25) 2-Butanone	4.55	43	305	33.882	ug/l #	60
26) 2,2-Dichloropropane	3.85	77	308	11.503	ug/l	83
27) cis-1,2-Dichloroethene	3.69	96	66	1.929	ug/l #	50
28) Bromochloromethane	3.90	49	64	2.943	ug/l #	1
29) Tetrahydrofuran	4.30	42	75	18.128	ug/l #	26
30) Chloroform	4.04	83	66	1.019	ug/l #	19
31) Cyclohexane	3.88	56	79	2.064	ug/l #	16
32) 1,1,1-Trichloroethane	4.34	97	72	1.297	ug/l #	41
36) 1,1-Dichloropropene	4.42	75	171	9.889	ug/l #	42
37) Ethyl Acetate	4.31	43	292	42.582	ug/l #	73
39) Methylcyclohexane	5.66	83	157	9.053	ug/l #	29
40) Benzene	4.84	78	148	3.887	ug/l #	48
41) Methacrylonitrile	4.94	41	111	26.770	ug/l #	1

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

42) 1,2-Dichloroethane	5.16	62	79	4.960	ug/l #	1
43) Isopropyl Acetate	7.11	43	62	7.883	ug/l #	1
44) Trichloroethene	5.77	130	63	4.504	ug/l	2
46) Dibromomethane	6.39	93	80	11.187	ug/l #	32
47) Bromodichloromethane	6.58	83	80	4.474	ug/l #	27
48) Methyl methacrylate	6.89	41	125	22.488	ug/l #	50
49) 1,4-Dioxane	7.06	88	92	1617.380	ug/l #	49
51) 4-Methyl-2-Pentanone	8.27	43	218	36.577	ug/l	88
52) Toluene	7.64	92	72	3.065	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	282	20.854	ug/l #	45
54) cis-1,3-Dichloropropene	7.48	75	174	11.056	ug/l #	61
55) 1,1,2-Trichloroethane	8.64	97	95	12.739	ug/l #	14
56) Ethyl methacrylate	8.79	69	84	10.671	ug/l #	1
57) 1,3-Dichloropropane	9.05	76	96	8.522	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.49	63	137	57.888	ug/l #	74
59) 2-Hexanone	9.40	43	182	44.154	ug/l	79
60) Dibromochloromethane	8.94	129	59	4.837	ug/l #	11
61) 1,2-Dibromoethane	9.14	107	66	7.530	ug/l #	3
64) Tetrachloroethene	8.07	164	83	100.233	ug/l #	1
65) Chlorobenzene	9.81	112	76	45.033	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.15	131	79	92.792	ug/l #	7
67) Ethyl Benzene	10.16	91	71	24.025	ug/l #	45
68) m/p-Xylenes	10.29	106	67	61.447	ug/l #	1
69) o-Xylene	11.02	106	65	55.168	ug/l #	1
70) Styrene	10.93	104	63	35.677	ug/l #	3
71) Bromoform	10.91	173	79	169.373	ug/l #	29
73) Isopropylbenzene	11.21	105	74	21.157	ug/l #	50
74) N-amyl acetate	11.48	43	212	282.321	ug/l #	37
75) 1,1,1,2-Tetrachloroethane	11.86	83	63	115.035	ug/l #	22
76) 1,2,3-Trichloropropane	11.85	75	71	169.926	ug/l #	100
77) Bromobenzene	11.32	156	62	67.540	ug/l #	1
78) n-propylbenzene	11.62	91	63	16.918	ug/l #	52
79) 2-Chlorotoluene	11.89	91	153	66.074	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.02	105	99	32.292	ug/l #	30
81) trans-1,4-Dichloro-2-buten	11.93	75	161	1025.104	ug/l #	5
82) 4-Chlorotoluene	12.00	91	76	33.231	ug/l #	39
83) tert-Butylbenzene	12.15	119	60	18.622	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.18	105	127	42.331	ug/l #	31
85) sec-Butylbenzene	12.42	105	67	17.084	ug/l #	1
86) p-Isopropyltoluene	12.52	119	62	17.016	ug/l #	50
87) 1,3-Dichlorobenzene	12.73	146	63	37.578	ug/l #	52
88) 1,4-Dichlorobenzene	12.73	146	63	38.934	ug/l #	51
89) n-Butylbenzene	12.95	91	66	20.360	ug/l #	29
90) Hexachloroethane	13.03	117	77	84.638	ug/l #	3
91) 1,2-Dichlorobenzene	12.73	146	63	38.823	ug/l #	52
92) 1,2-Dibromo-3-Chloropropan	13.70	75	67	546.079	ug/l #	1
95) Naphthalene	14.43	128	64	29.247	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.63	180	73	51.769	ug/l #	11

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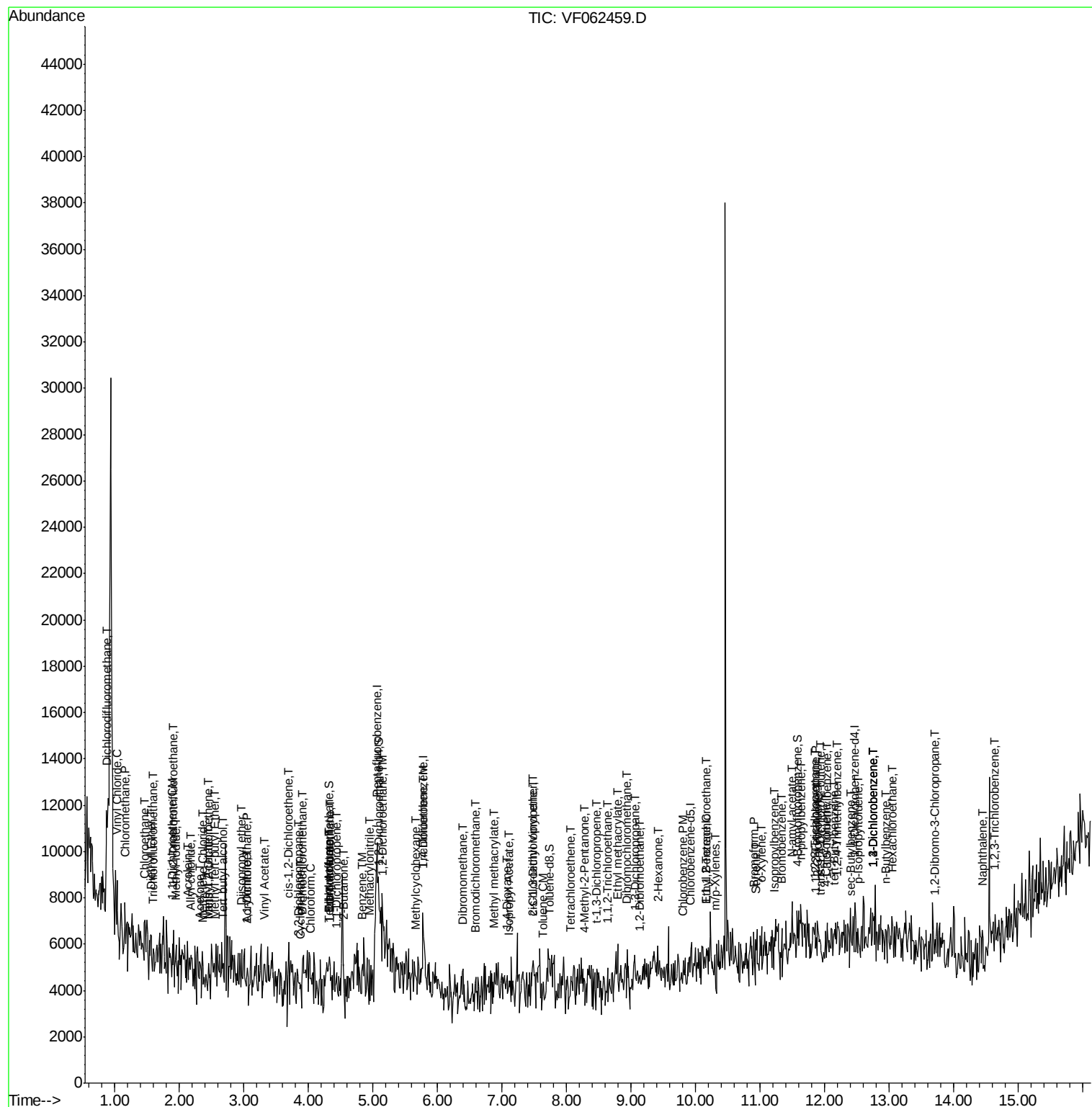
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

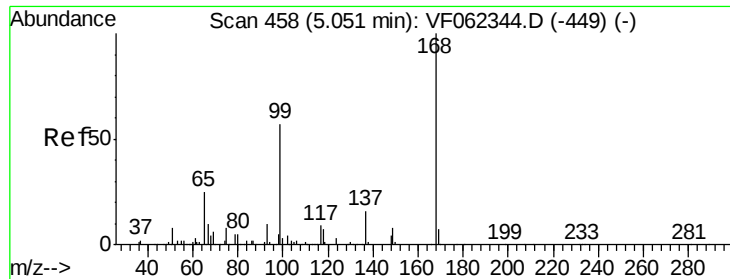
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

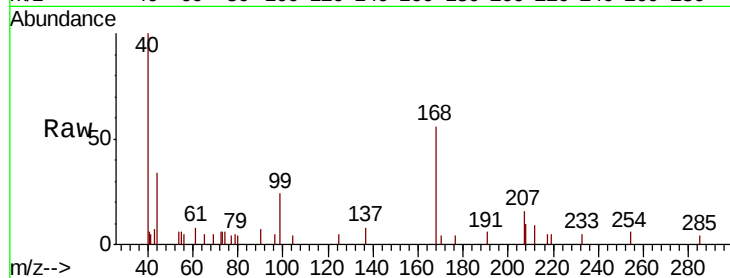
ClientSampled :

Tot Ion:168 Resp: 3748

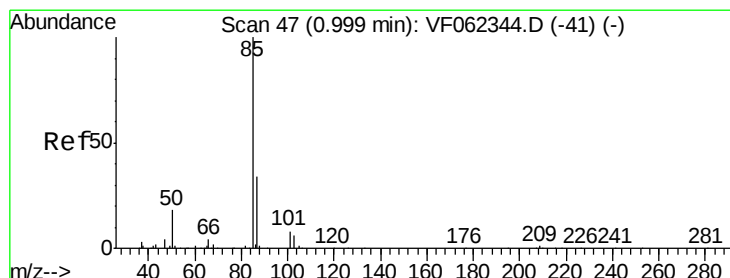
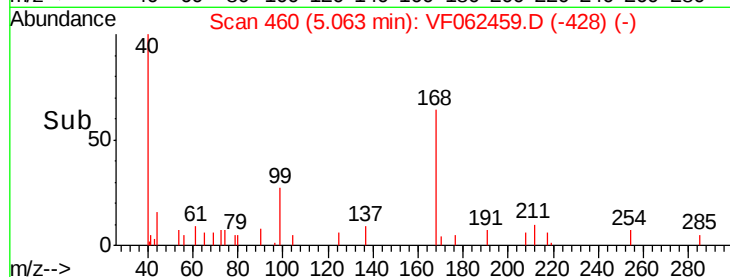
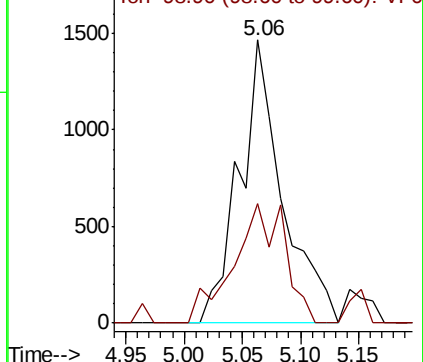
Ion Ratio Lower Upper

168 100

99 42.3 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 3.297 ug/l

RT: 0.86 min Scan# 34

Delta R.T. -0.14 min

Lab File: VF062459.D

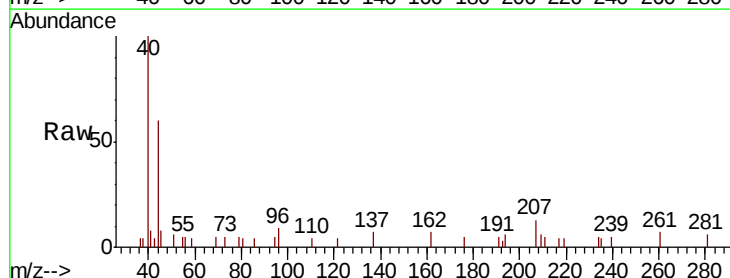
Acq: 11 May 2019 14:48

Tgt Ion: 85 Resp: 143

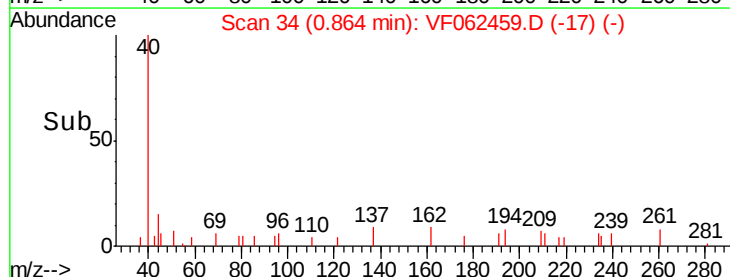
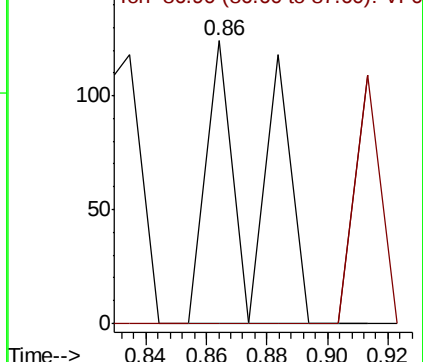
Ion Ratio Lower Upper

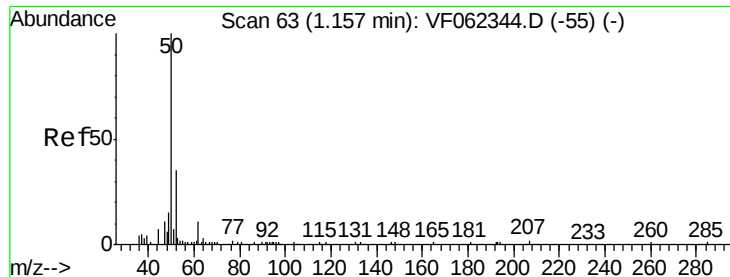
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 2.761 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

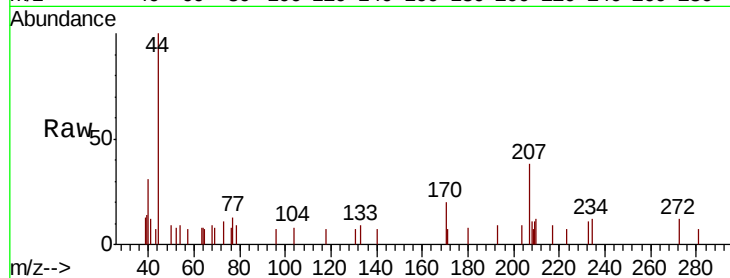
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 79

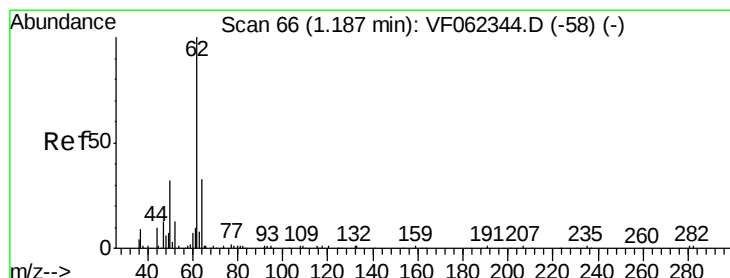
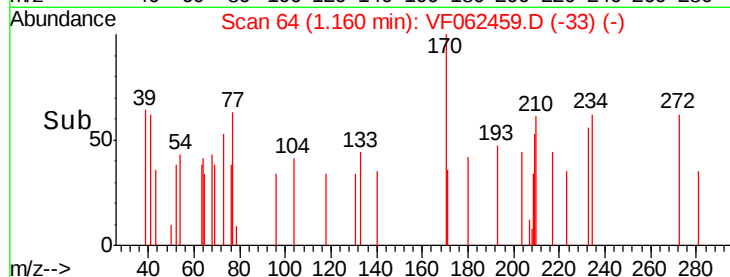
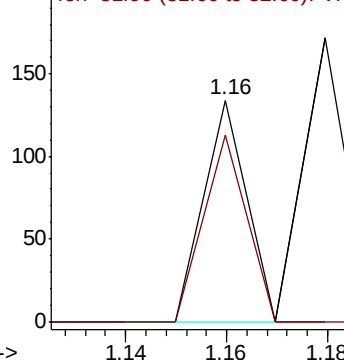
Ion Ratio Lower Upper

50 100

52 84.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0
Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 2.348 ug/l

RT: 1.03 min Scan# 51

Delta R.T. -0.15 min

Lab File: VF062459.D

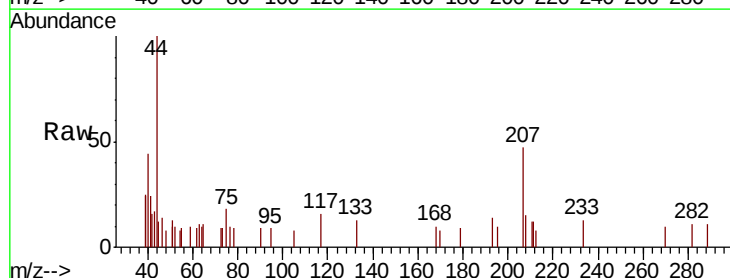
Acq: 11 May 2019 14:48

Tgt Ion: 62 Resp: 67

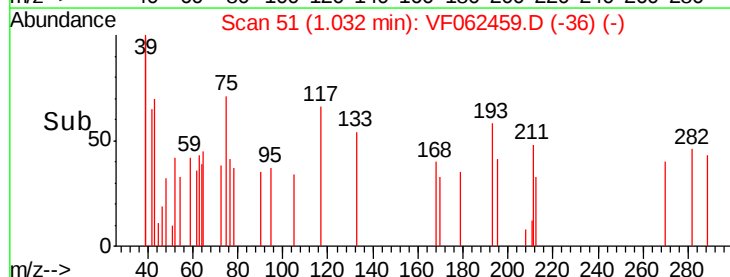
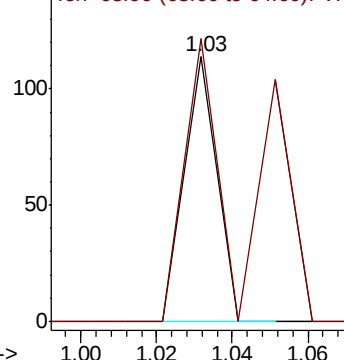
Ion Ratio Lower Upper

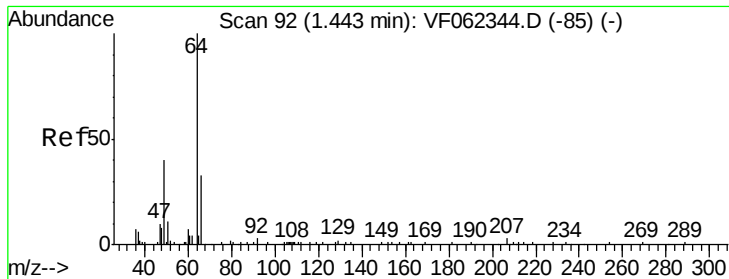
62 100

64 107.0 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 63.90 (63.60 to 64.60): VF0





#6

Chloroethane

Concen: 8.225 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

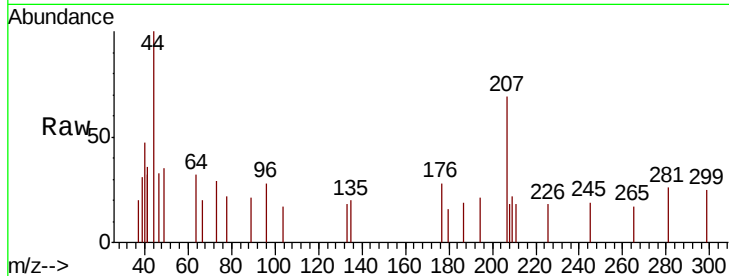
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 118

Ion Ratio Lower Upper

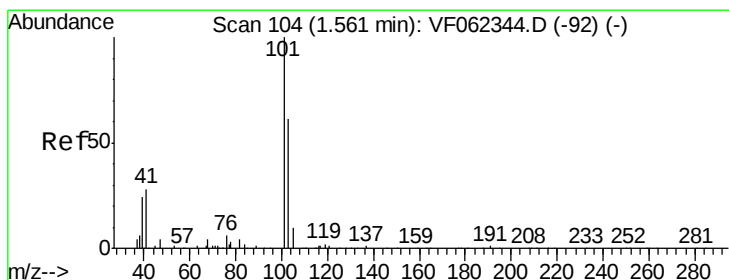
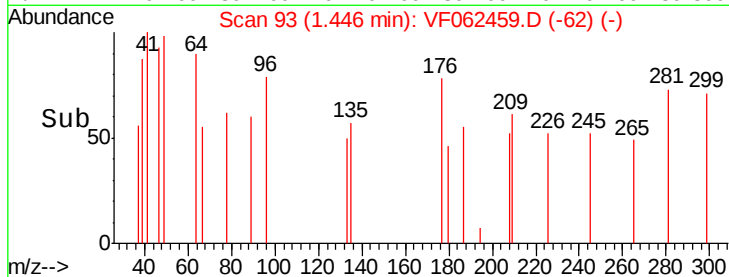
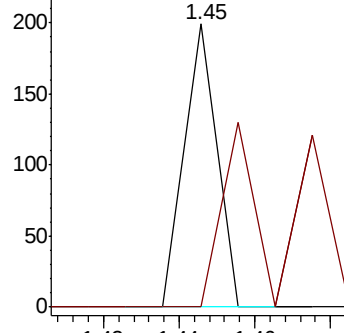
64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



#7

Trichlorofluoromethane

Concen: 1.115 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.02 min

Lab File: VF062459.D

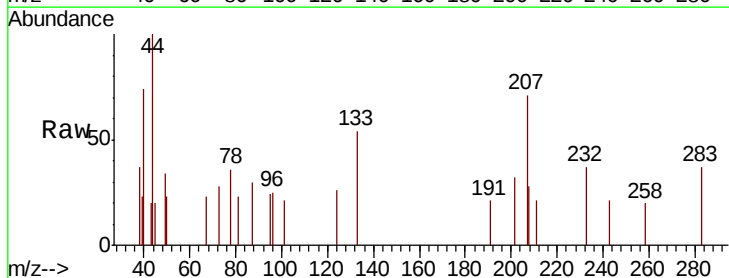
Acq: 11 May 2019 14:48

Tgt Ion: 101 Resp: 66

Ion Ratio Lower Upper

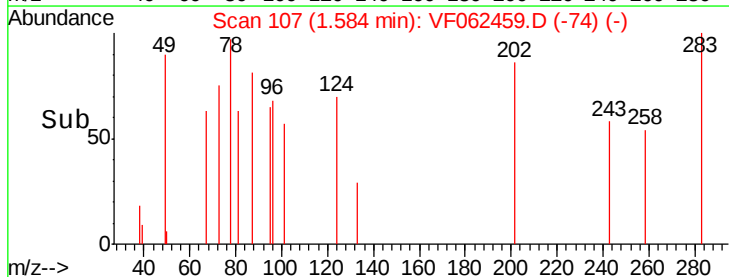
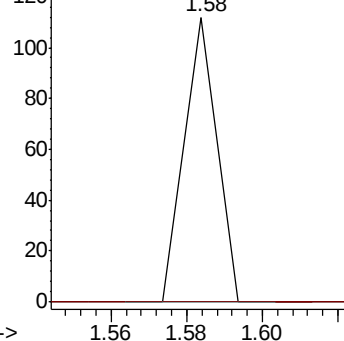
101 100

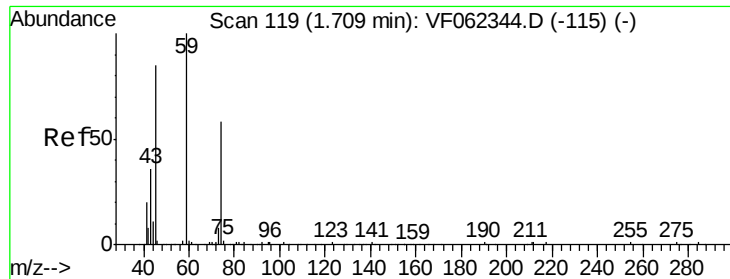
103 0.0 48.5 72.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 10.046 ug/l

RT: 1.56 min Scan# 105

Delta R.T. -0.15 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

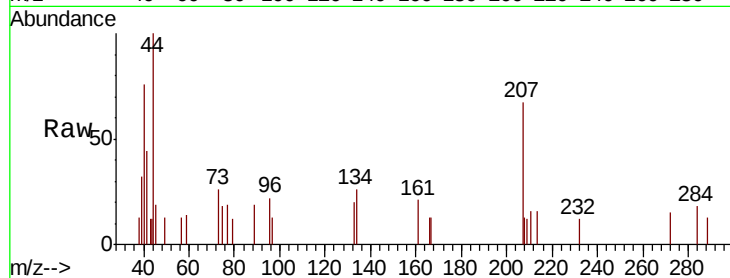
ClientSampled :

Tot Ion: 74 Resp: 90

Ion Ratio Lower Upper

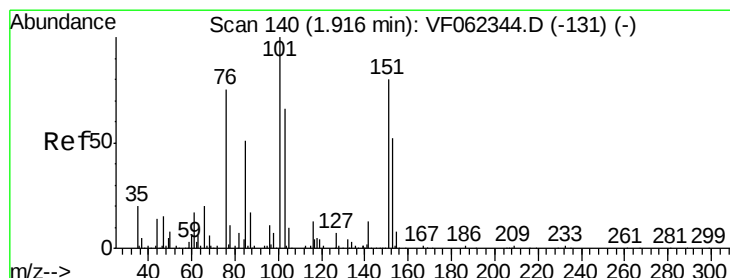
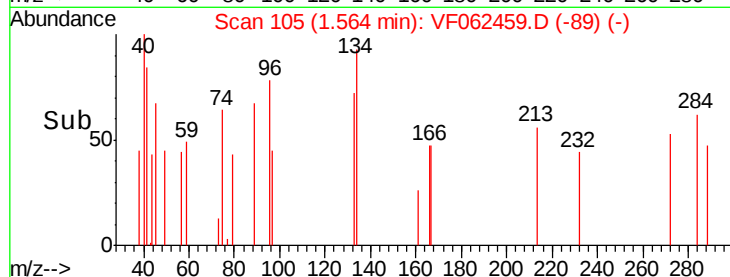
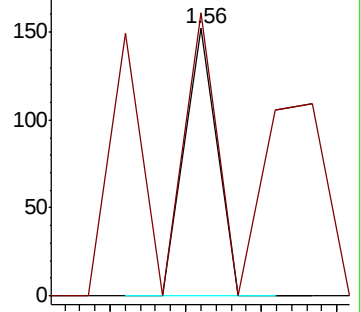
74 100

45 97.8 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.160 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

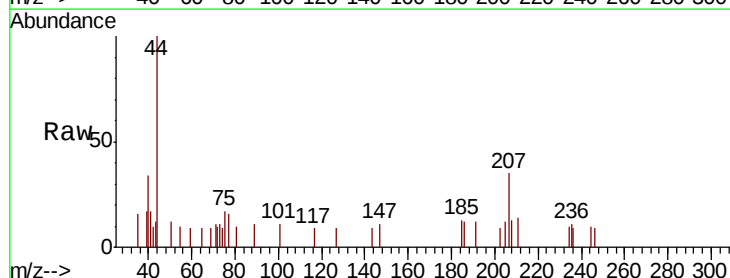
Tgt Ion: 101 Resp: 73

Ion Ratio Lower Upper

101 100

85 0.0 39.5 59.3#

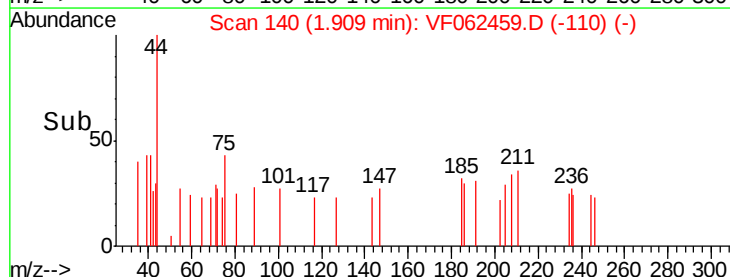
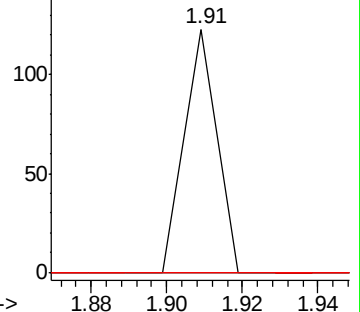
151 0.0 59.9 89.9#

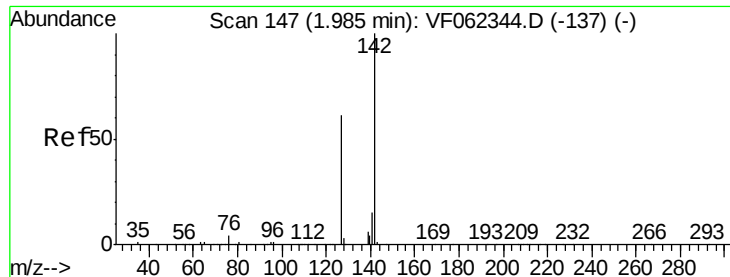


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V

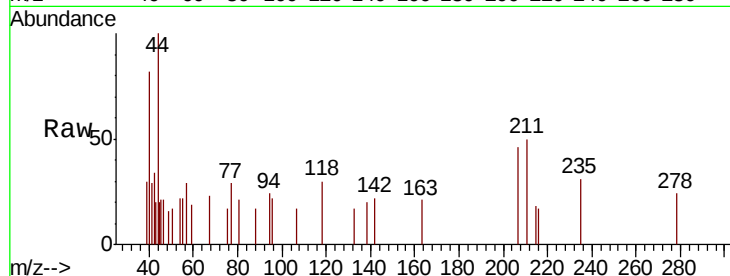




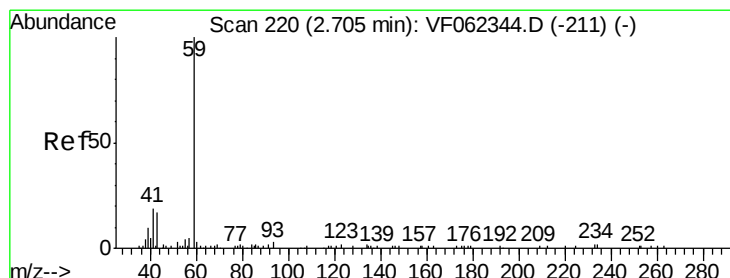
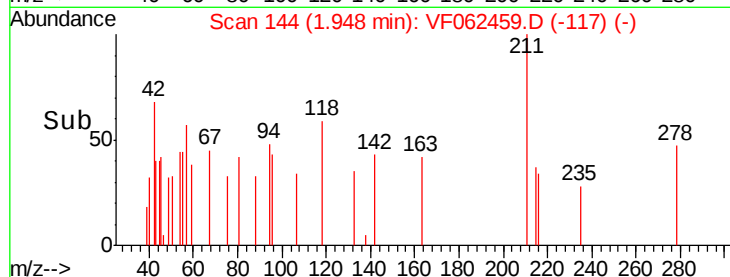
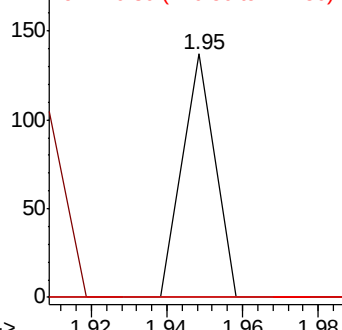
#10
Methyl Iodide
Concen: 1.454 ug/l
RT: 1.95 min Scan# 144
Delta R.T. -0.04 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 48.4 72.6#
141 0.0 12.2 18.4#

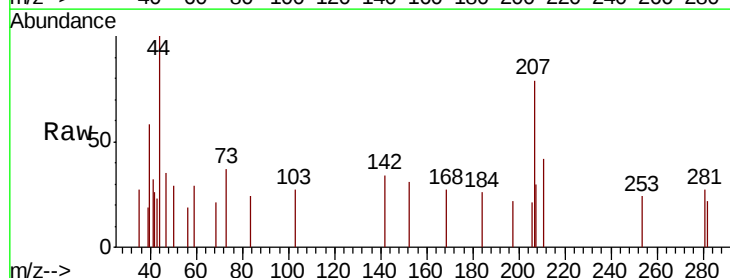


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

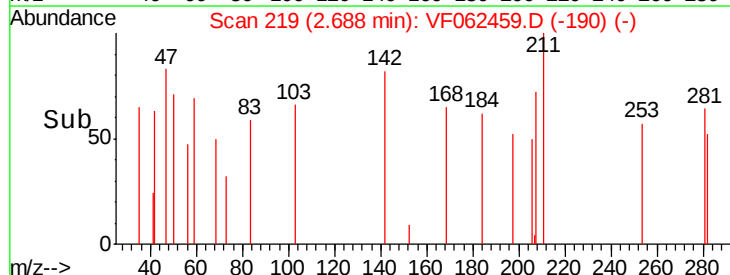
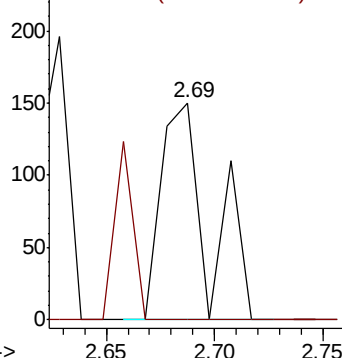


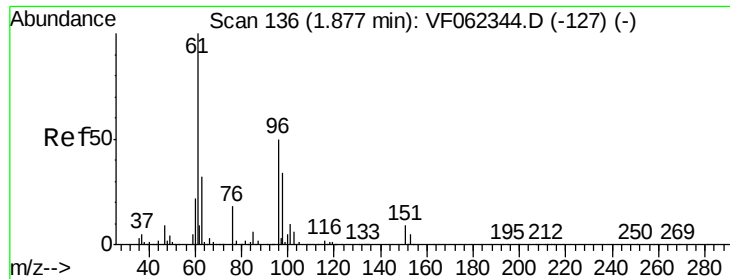
#11
Tert butyl alcohol
Concen: 116.392 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0

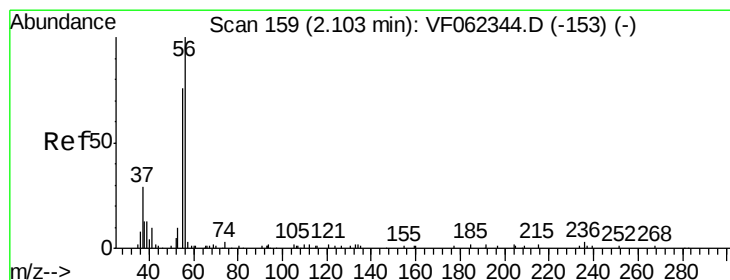
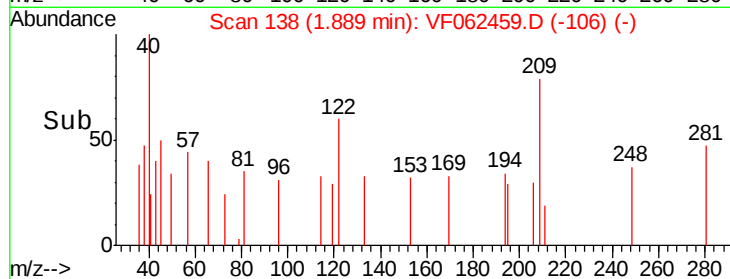
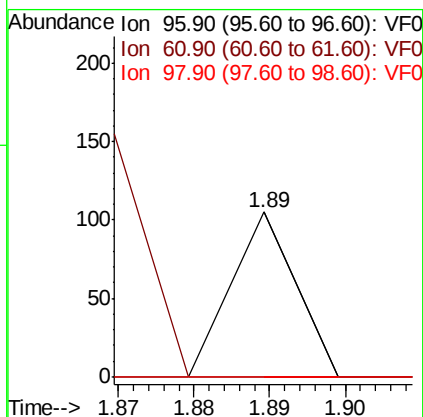
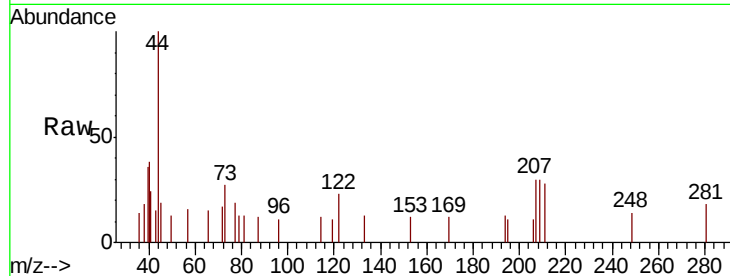




#12
 1,1-Dichloroethene
 Concen: 2.158 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

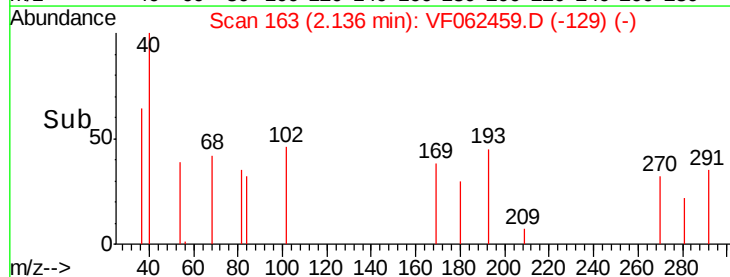
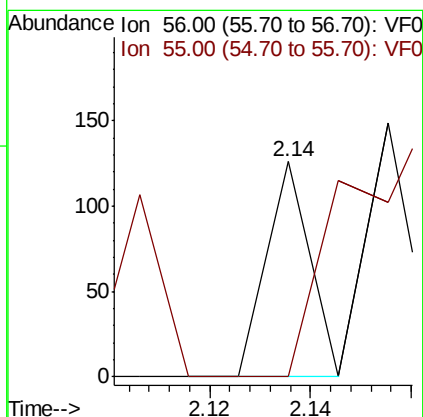
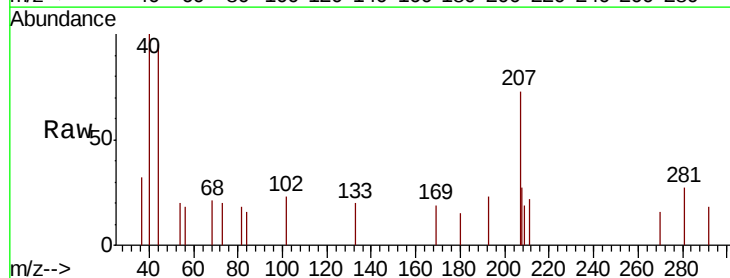
Instrument :
 MSVOA_F
 ClientSampleId :

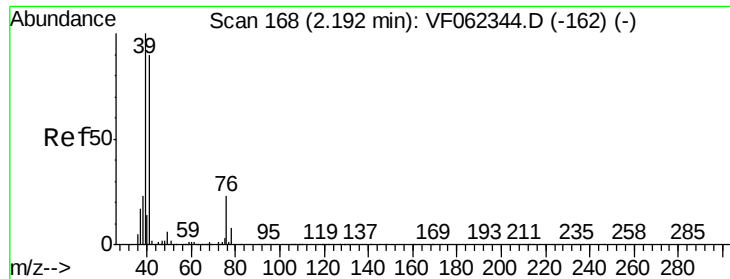
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	163.2	244.8#
98	0.0	55.2	82.8#



#13
 Acrolein
 Concen: 43.142 ug/l
 RT: 2.14 min Scan# 163
 Delta R.T. 0.03 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.4	87.6#





#14

Allvl chloride

Concen: 5.437 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampleId :

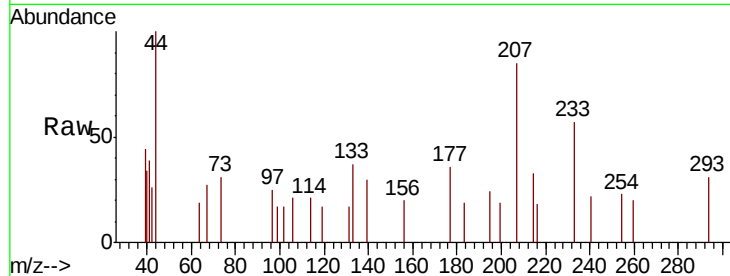
Tot Ion: 41 Resp: 138

Ion Ratio Lower Upper

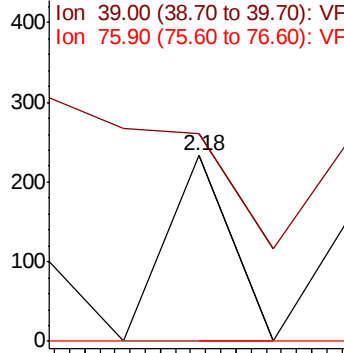
41 100

39 0.0 90.8 136.2#

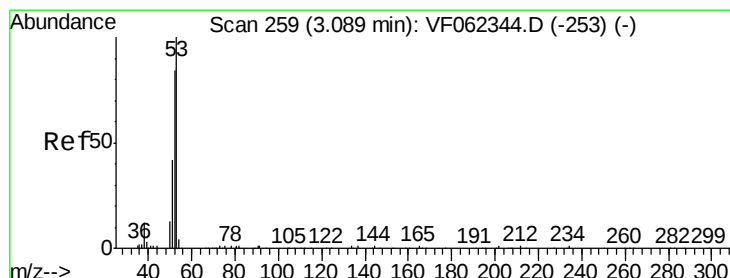
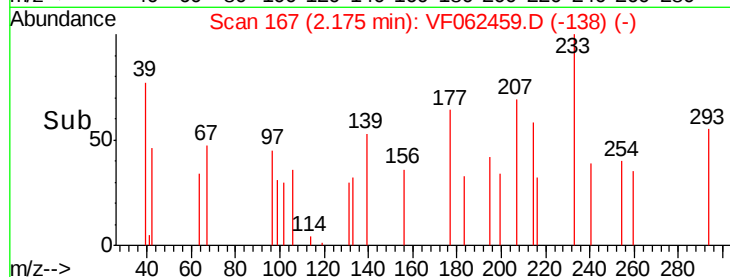
76 0.0 22.2 33.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 75.90 (75.60 to 76.60): VF0



Time-->



#15

Acrylonitrile

Concen: 16.350 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.04 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

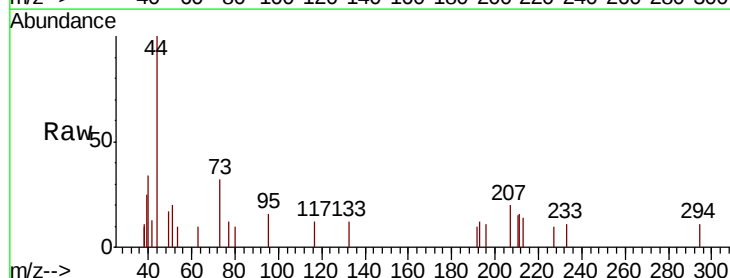
Tgt Ion: 53 Resp: 62

Ion Ratio Lower Upper

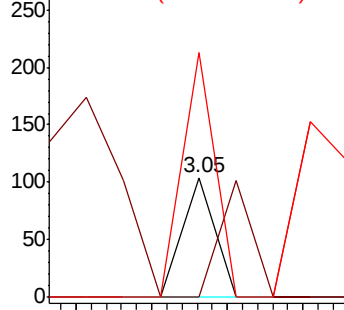
53 100

52 96.8 77.2 115.8

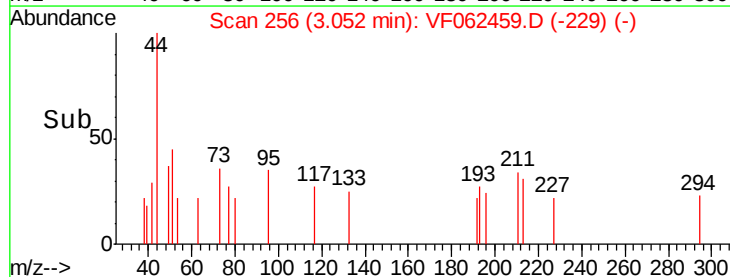
51 203.2 40.6 61.0#

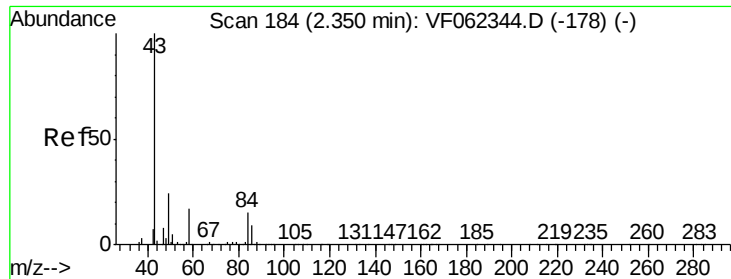


Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 80.528 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

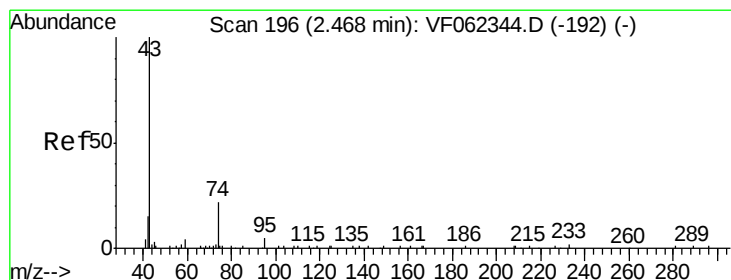
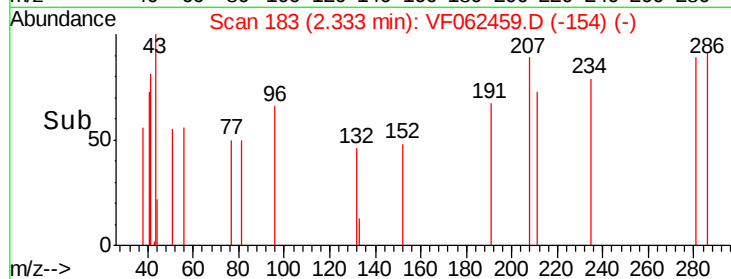
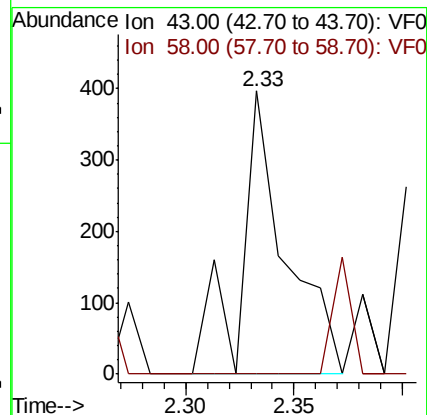
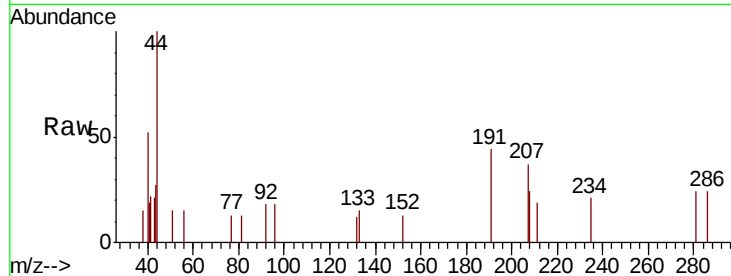
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#



#18

Methyl Acetate

Concen: 21.641 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF062459.D

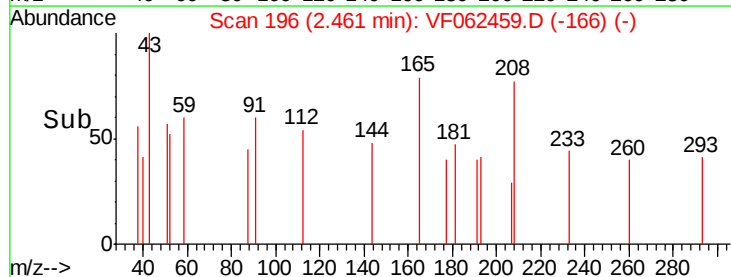
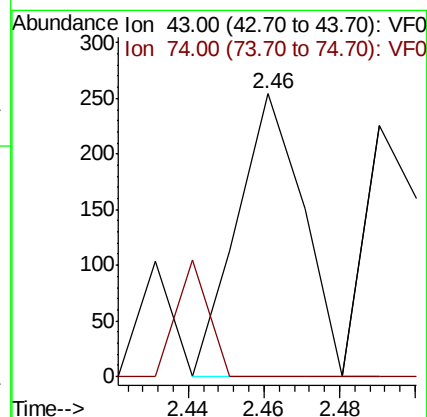
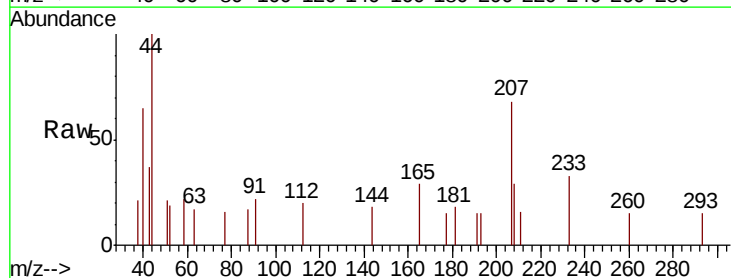
Acq: 11 May 2019 14:48

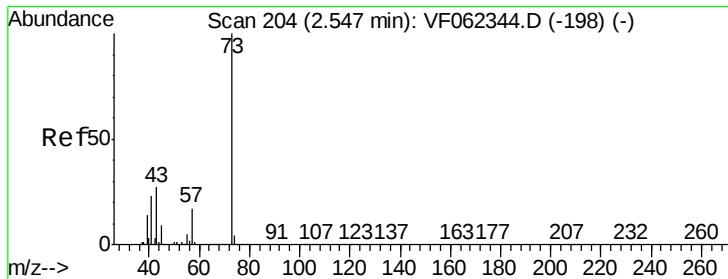
Tgt Ion: 43 Resp: 306

Ion Ratio Lower Upper

43 100

74 20.3 15.0 22.4



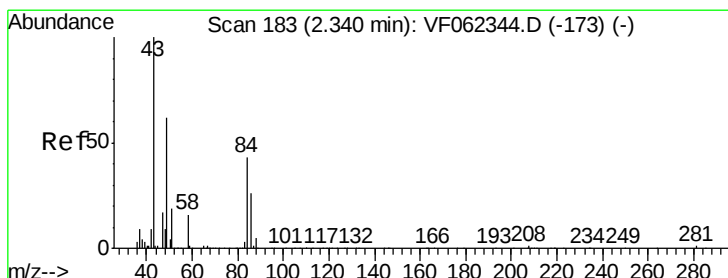
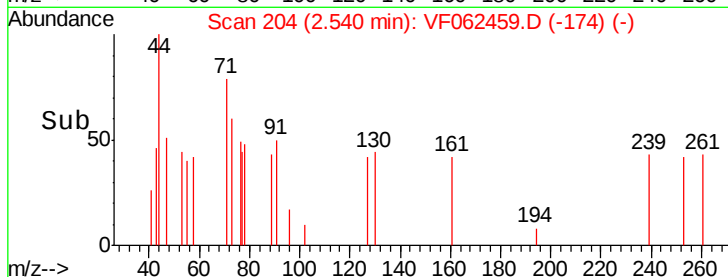
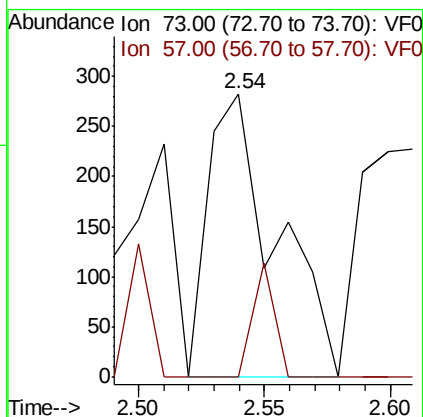
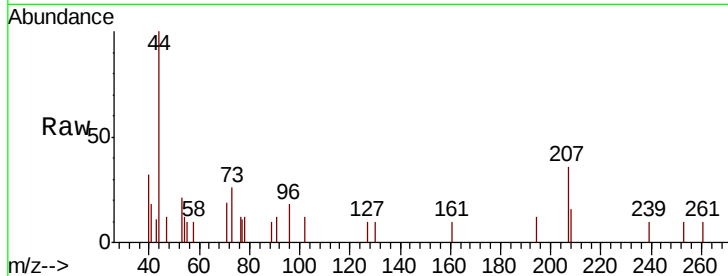


#19

Methyl tert-butyl Ether
 Concen: 8.918 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Instrument :
 MSVOA_F
 ClientSampled :

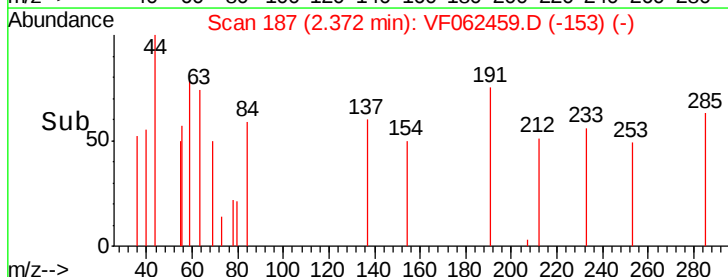
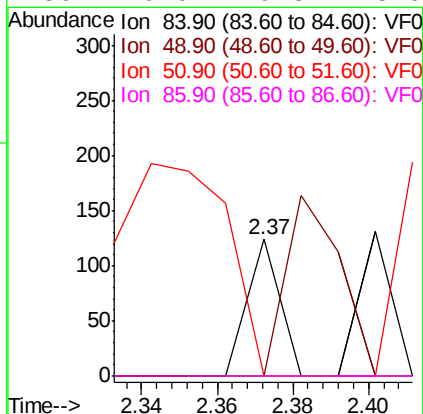
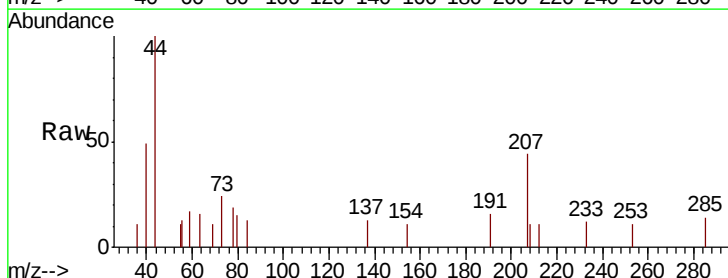
Tot Ion: 73 Resp: 529
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

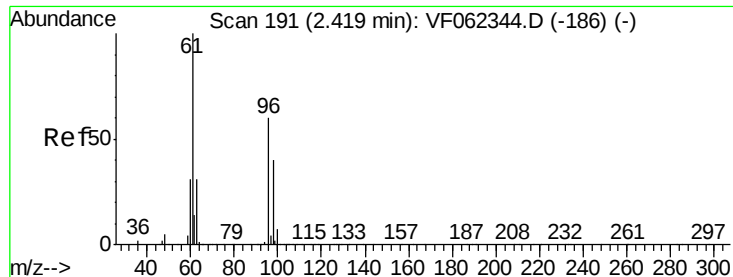


#20

Methylene Chloride
 Concen: 2.816 ug/l
 RT: 2.37 min Scan# 187
 Delta R.T. 0.03 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion: 84 Resp: 73
 Ion Ratio Lower Upper
 84 100
 49 0.0 117.5 176.3#
 51 0.0 37.0 55.4#
 86 0.0 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 5.479 ug/l

RT: 2.45 min Scan# 195

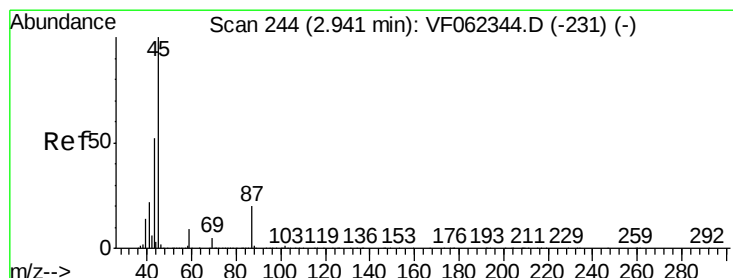
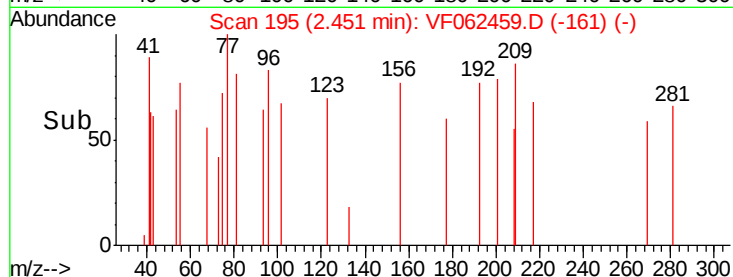
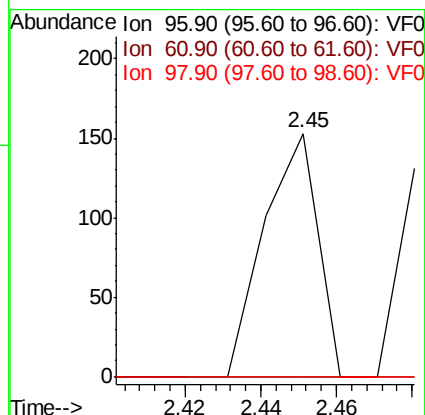
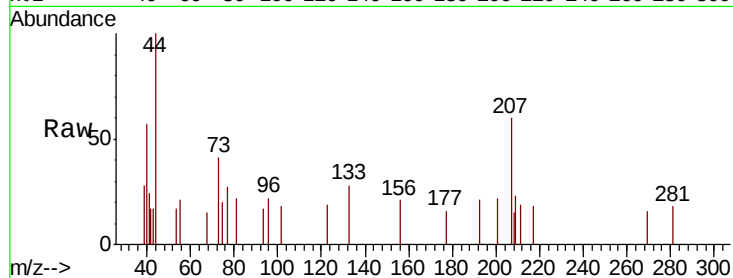
Delta R.T. 0.03 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	150
Ion	Ratio	Lower	Upper
96	100		
61	0.0	133.2	199.8#
98	0.0	53.1	79.7#



#22

Diisopropyl ether

Concen: 1.034 ug/l

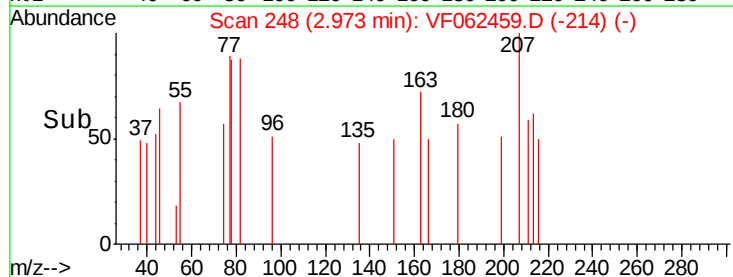
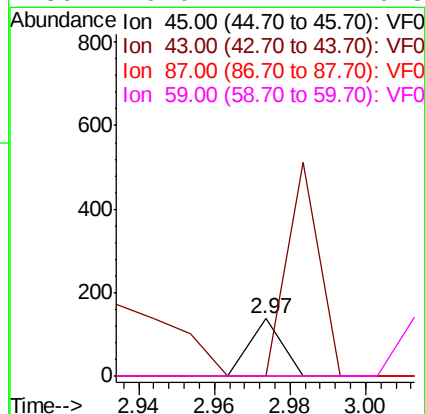
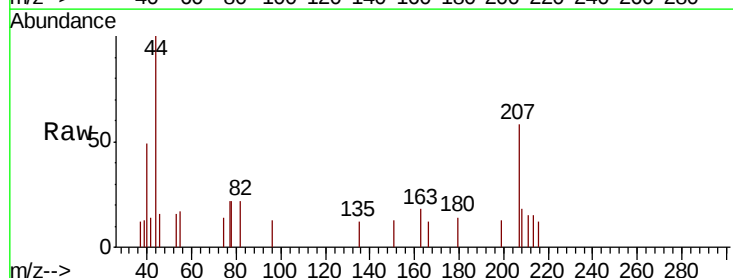
RT: 2.97 min Scan# 248

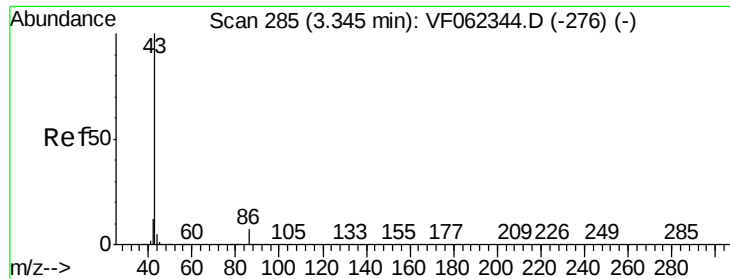
Delta R.T. 0.03 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Tgt Ion:	45	Resp:	82
Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.4	62.0#
87	0.0	15.8	23.6#
59	0.0	7.2	10.8#





#23

Vinyl Acetate

Concen: 20.900 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.04 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

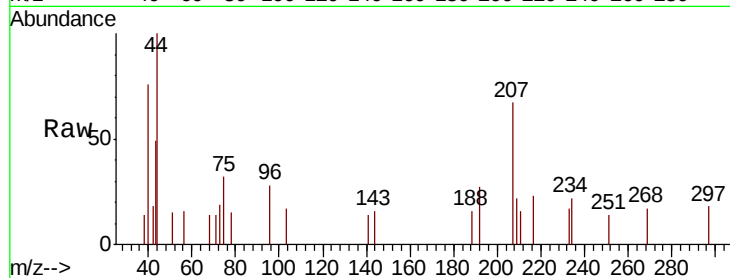
ClientSampleId :

Tot Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

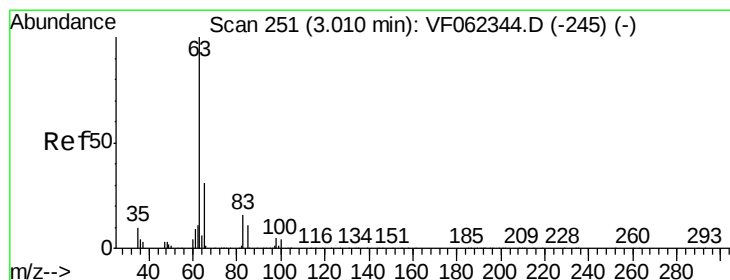
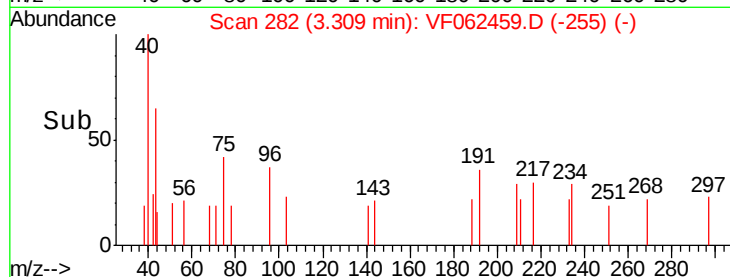
300

200

100

0

Time-->



#24

1,1-Dichloroethane

Concen: 1.314 ug/l

RT: 3.05 min Scan# 256

Delta R.T. 0.04 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

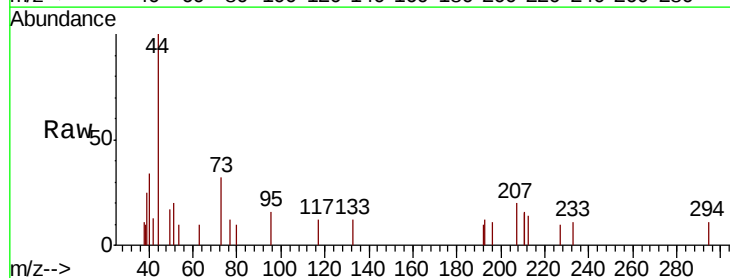
Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

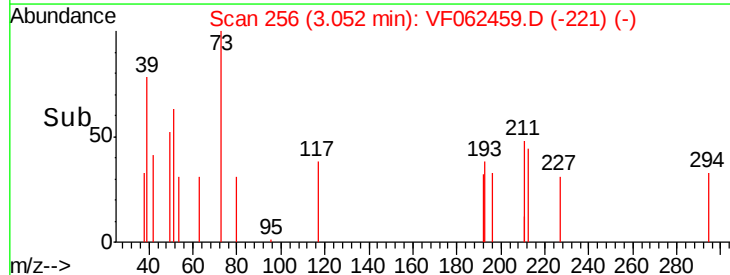
150

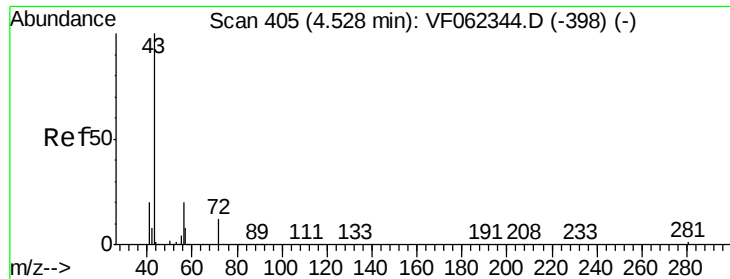
100

50

0

Time-->





#25

2-Butanone

Concen: 33.882 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

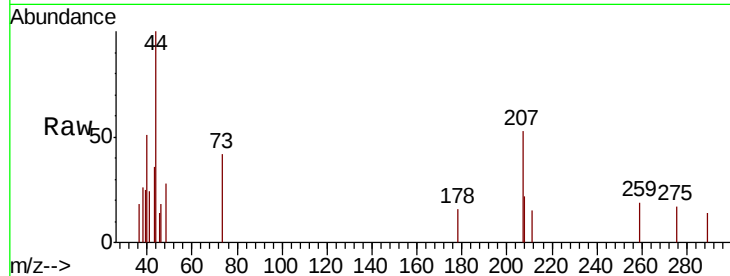
ClientSampleId :

Tot Ion: 43 Resp: 305

Ion Ratio Lower Upper

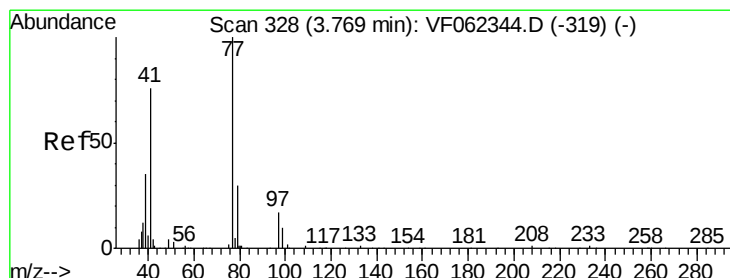
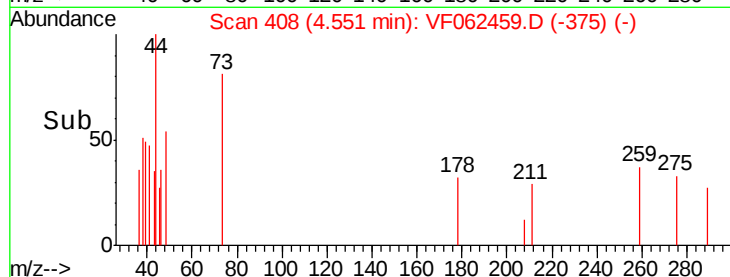
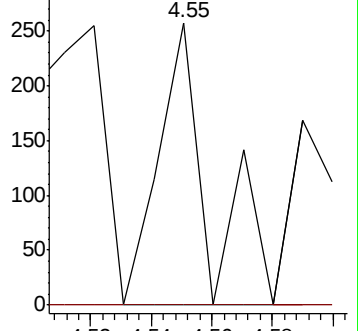
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.503 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.08 min

Lab File: VF062459.D

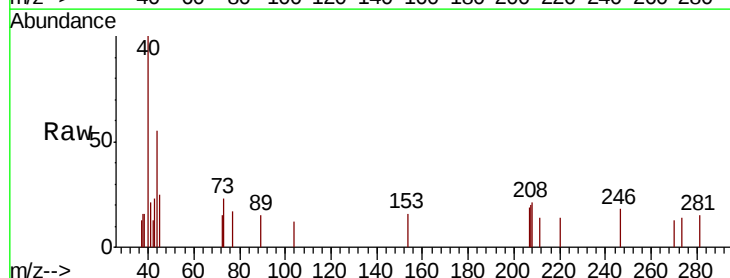
Acq: 11 May 2019 14:48

Tgt Ion: 77 Resp: 308

Ion Ratio Lower Upper

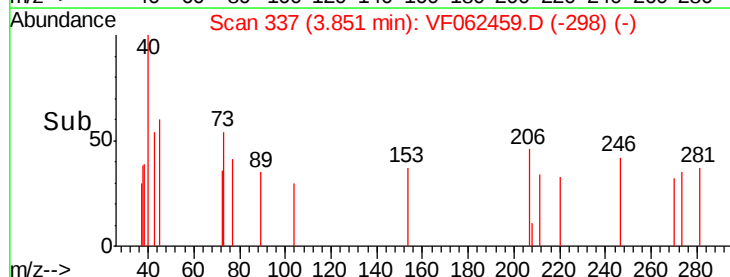
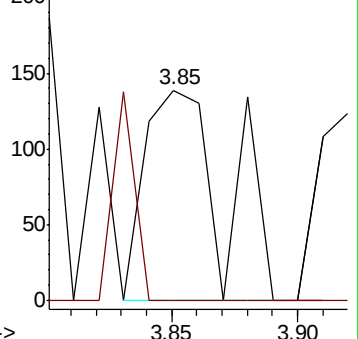
77 100

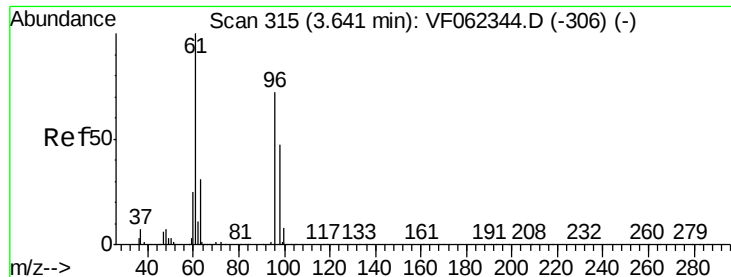
97 26.6 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



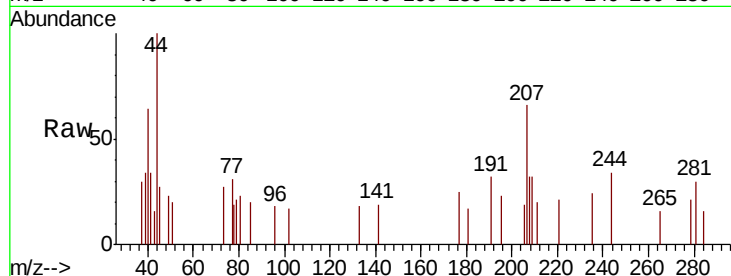


#27

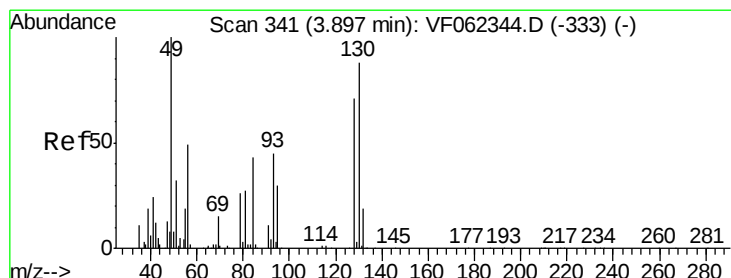
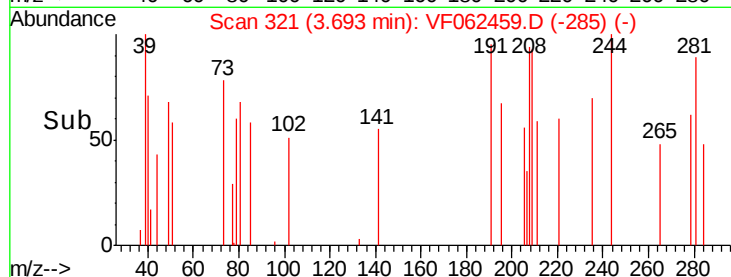
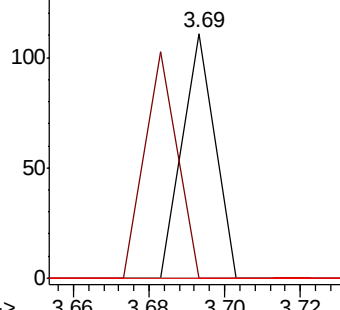
cis-1,2-Dichloroethene
Concen: 1.929 ug/l
RT: 3.69 min Scan# 321
Delta R.T. 0.05 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	92.4	0.0	263.0
98	0.0	0.0	130.8



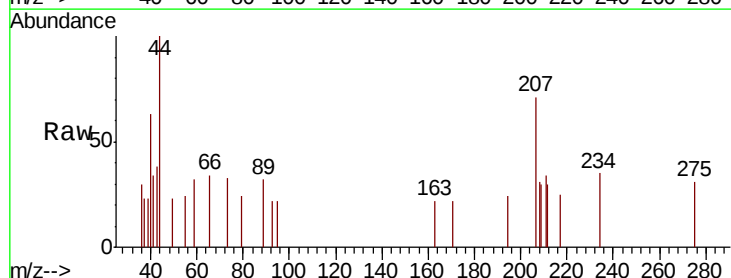
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



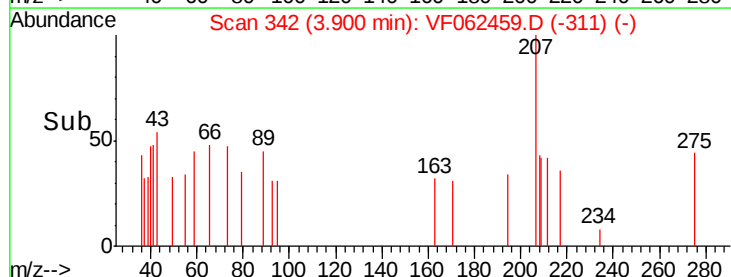
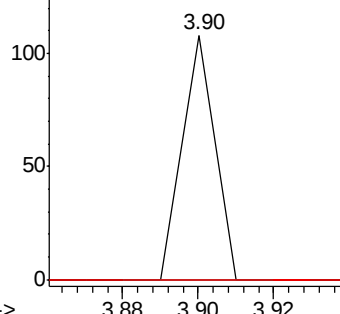
#28

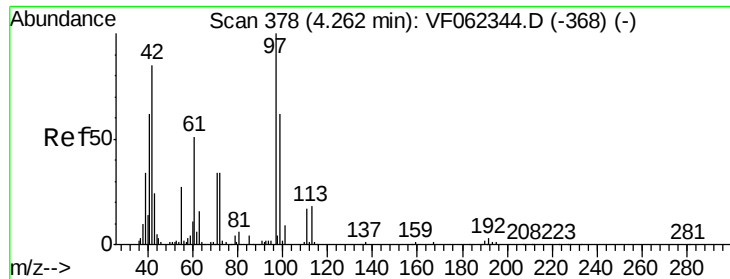
Bromochloromethane
Concen: 2.943 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	0.0	79.4	119.0#



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 18.128 ug/l

RT: 4.30 min Scan# 383

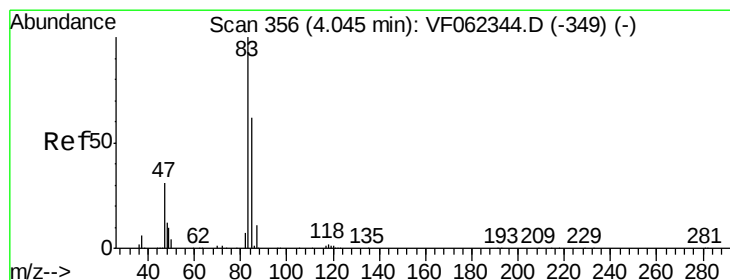
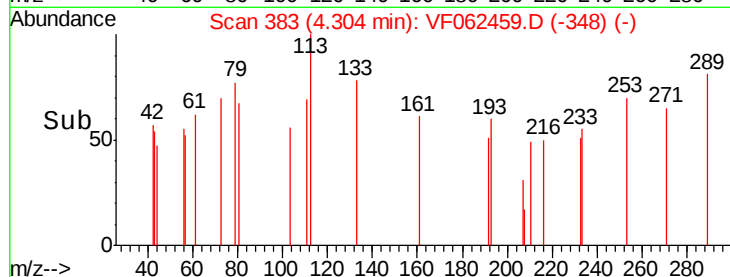
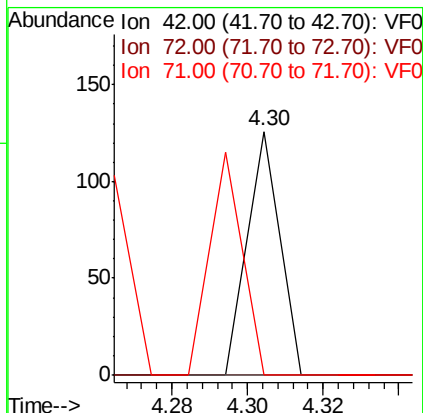
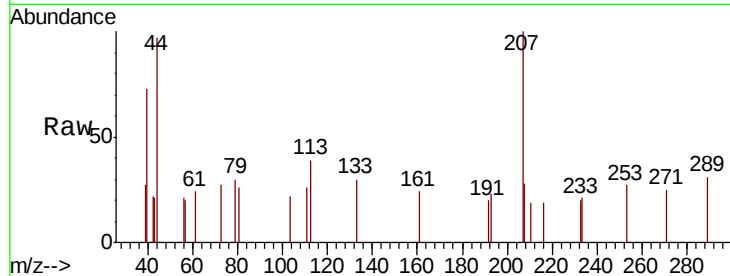
Delta R.T. 0.04 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	75
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	90.7	31.7	47.5#



#30

Chloroform

Concen: 1.019 ug/l

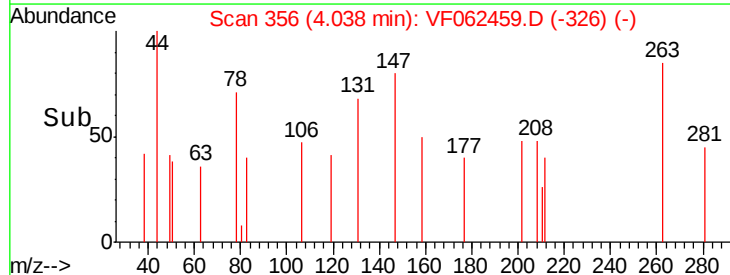
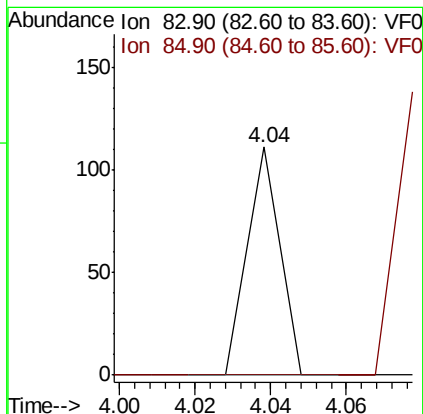
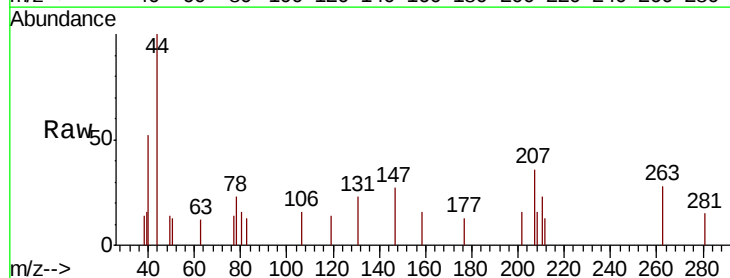
RT: 4.04 min Scan# 356

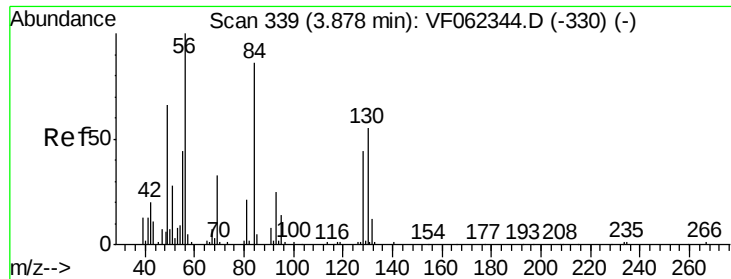
Delta R.T. -0.01 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Tgt Ion:	83	Resp:	66
Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.6	74.4#

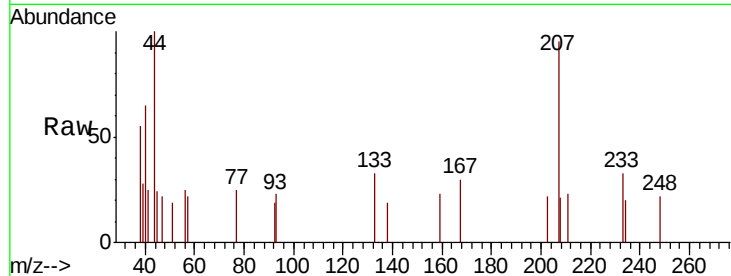




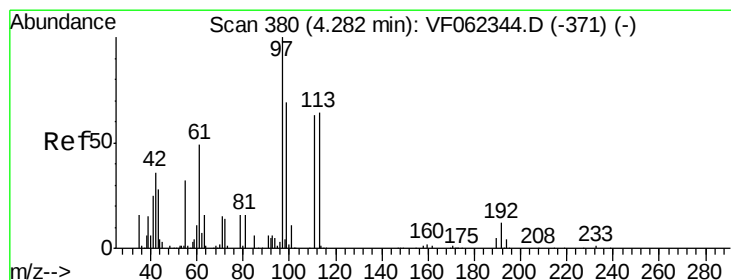
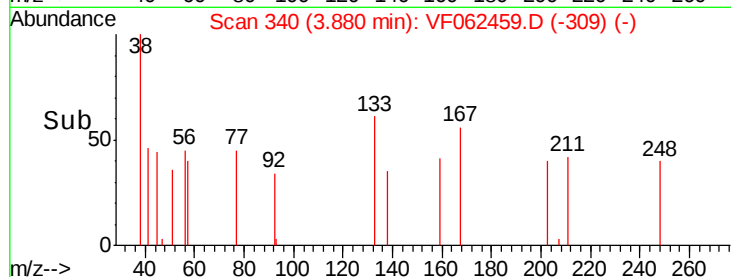
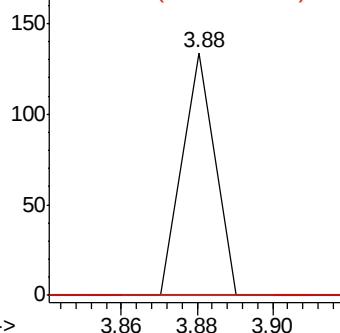
#31
Cvclohexane
Concen: 2.064 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
69 0.0 26.4 39.6#
84 0.0 69.0 103.6#

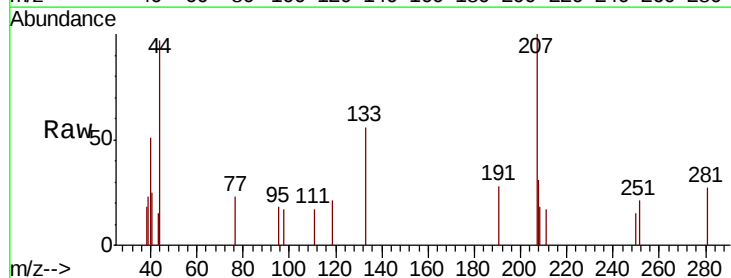


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

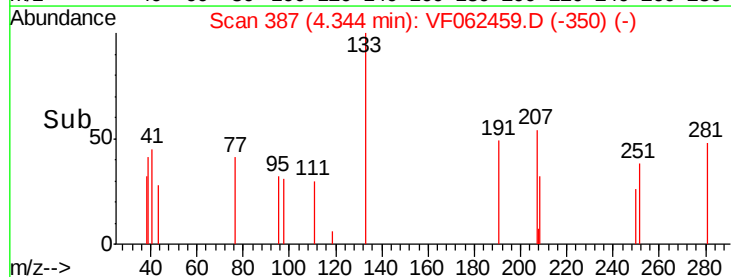
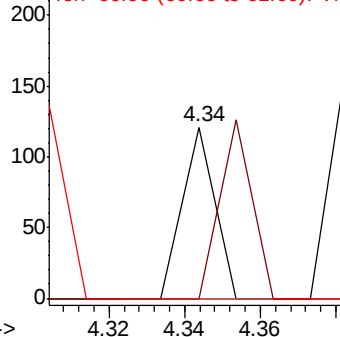


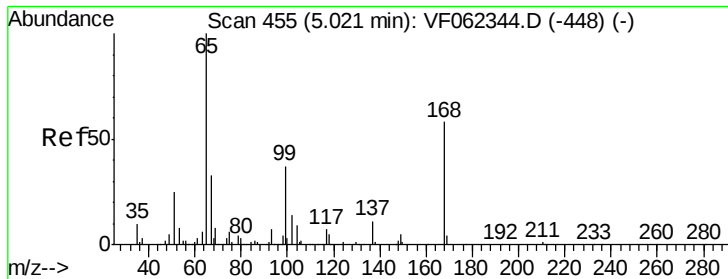
#32
1,1,1-Trichloroethane
Concen: 1.297 ug/l
RT: 4.34 min Scan# 387
Delta R.T. 0.06 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 97 Resp: 72
Ion Ratio Lower Upper
97 100
99 104.2 52.6 78.8#
61 0.0 39.4 59.0#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 4.771 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.08 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

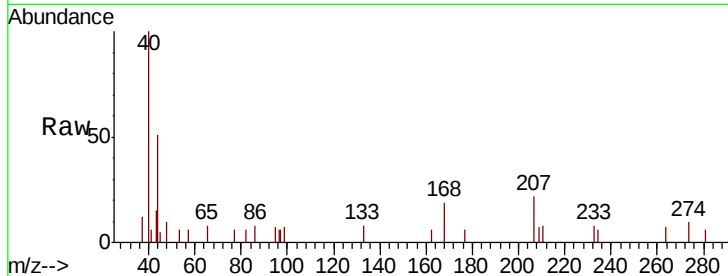
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 169

Ion Ratio Lower Upper

65 100

67 63.3 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

200

150

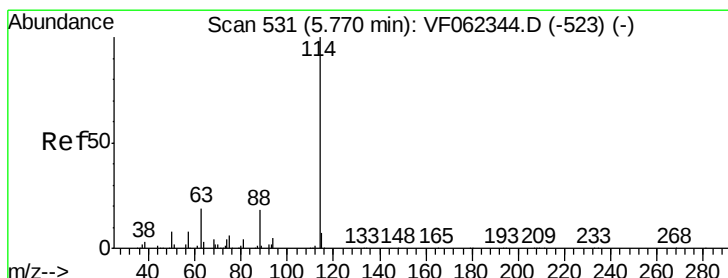
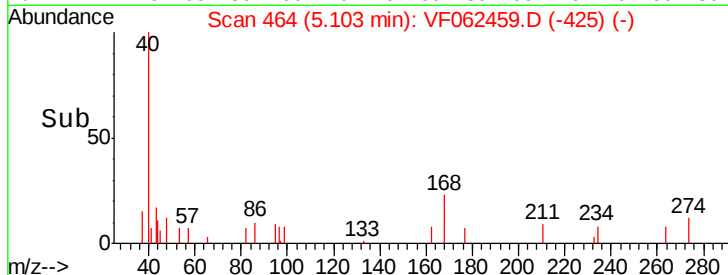
100

50

0

5.06 5.08 5.10 5.12 5.14

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

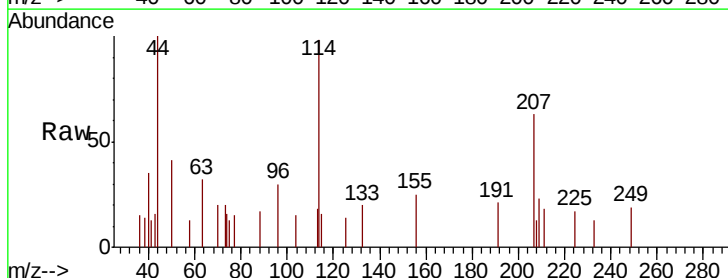
Tgt Ion: 114 Resp: 2013

Ion Ratio Lower Upper

114 100

63 32.3 0.0 37.4

88 17.5 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

1000

800

600

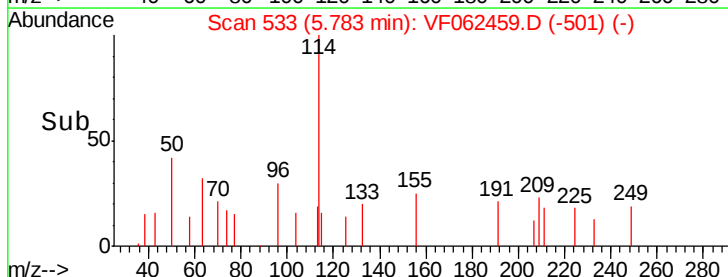
400

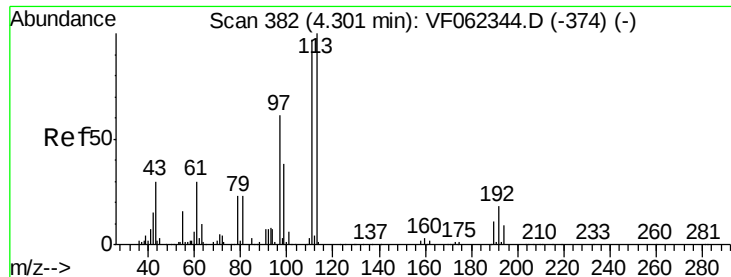
200

0

5.70 5.75 5.80 5.85

Time-->

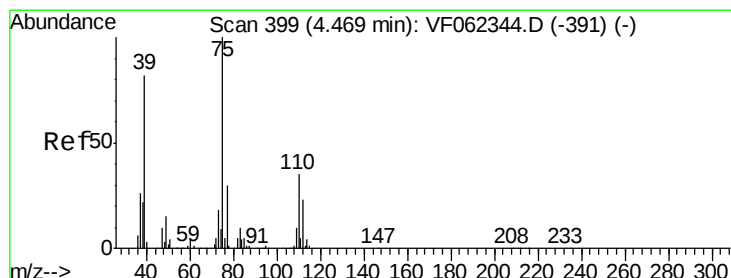
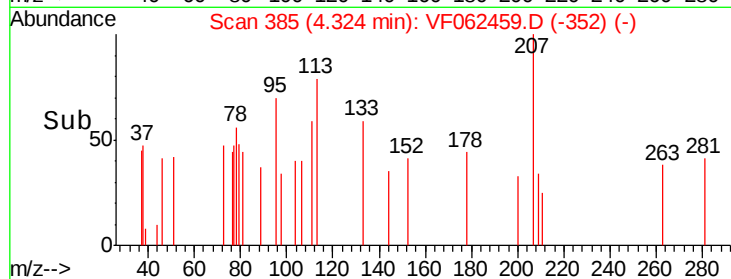
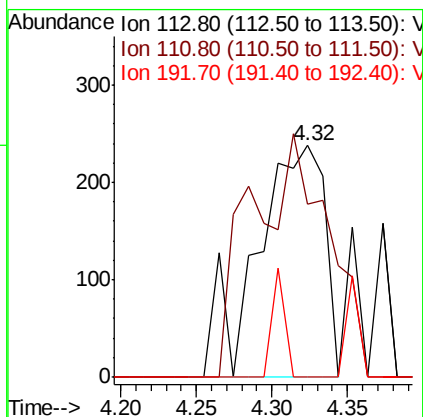
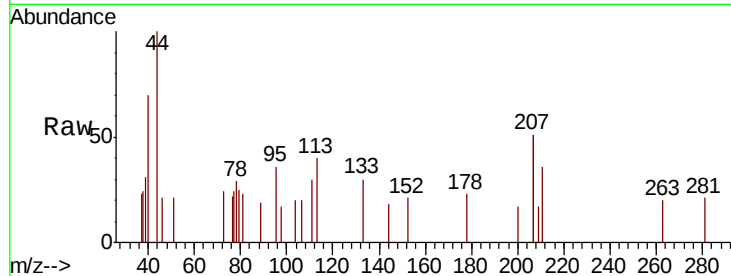




#35
 Dibromofluoromethane
 Concen: 46.517 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

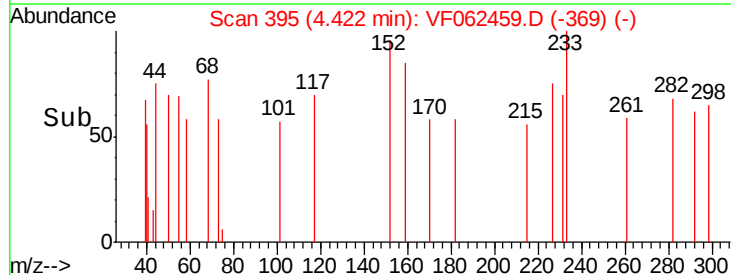
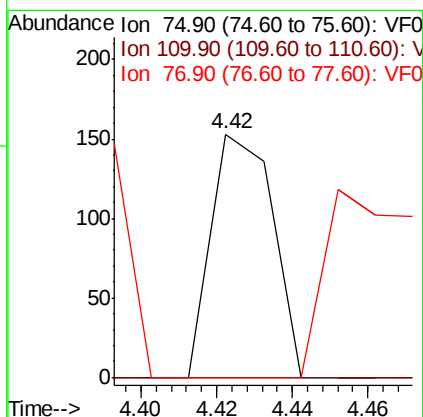
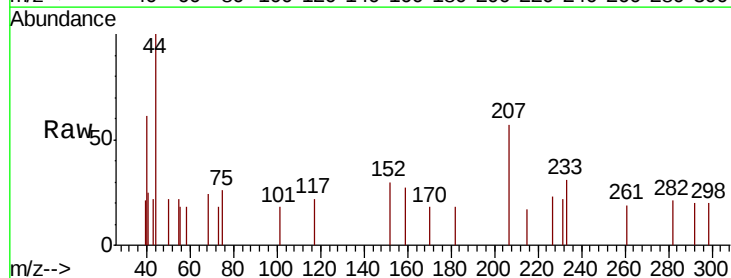
Instrument :
 MSVOA_F
 ClientSampled :

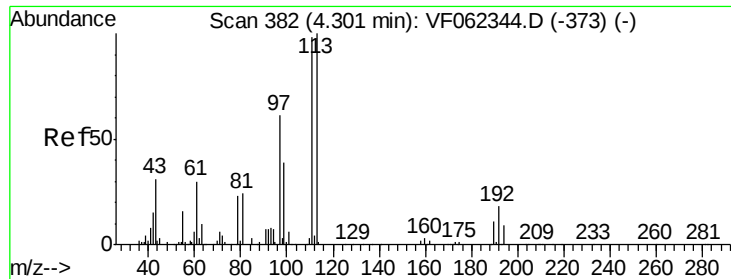
Tot Ion:113 Resp: 746
 Ion Ratio Lower Upper
 113 100
 111 65.4 79.4 119.0#
 192 8.8 16.0 24.0#



#36
 1,1-Dichloropropene
 Concen: 9.889 ug/l
 RT: 4.42 min Scan# 395
 Delta R.T. -0.05 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion: 75 Resp: 171
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.2 51.5#
 77 0.0 25.2 37.8#

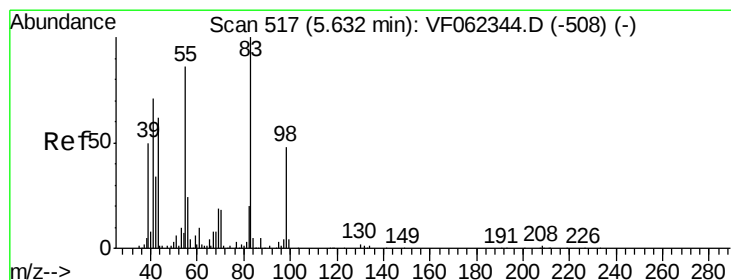
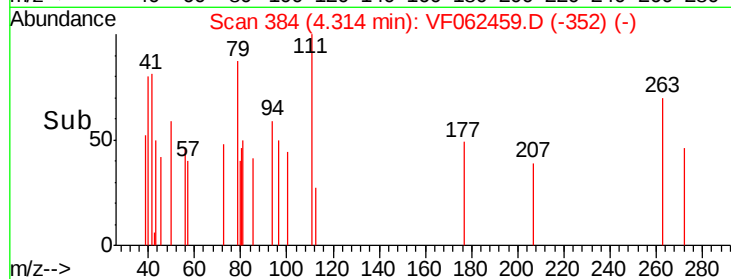
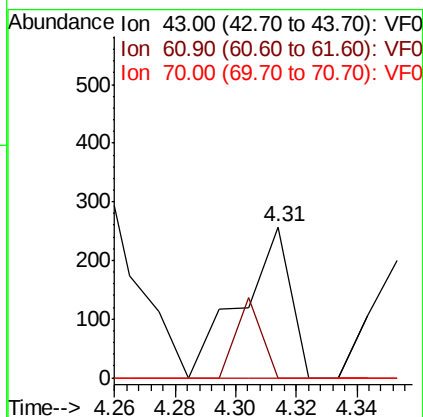
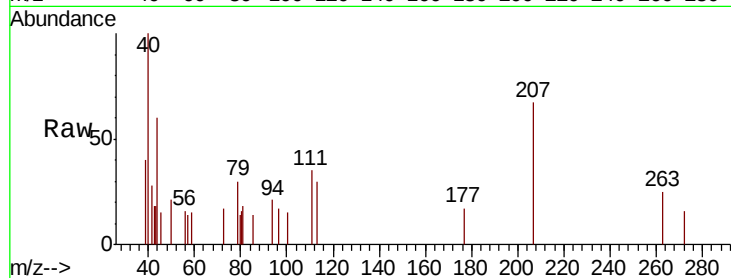




#37
Ethyl Acetate
Concen: 42.582 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

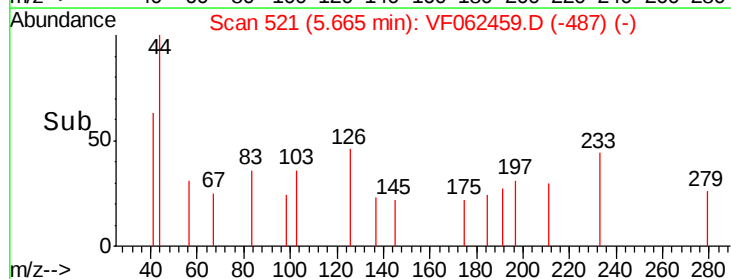
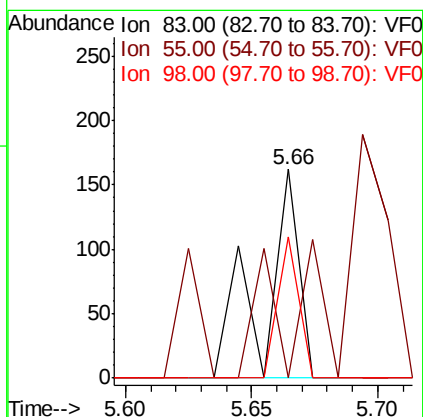
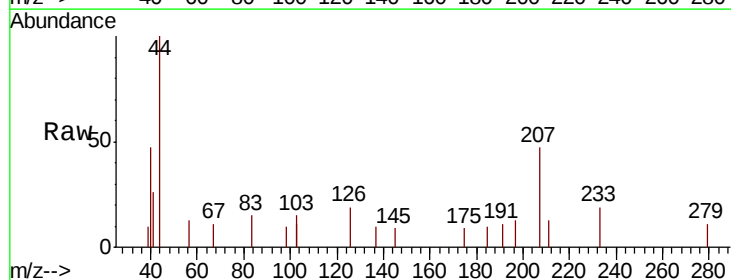
Instrument :
MSVOA_F
ClientSampled :

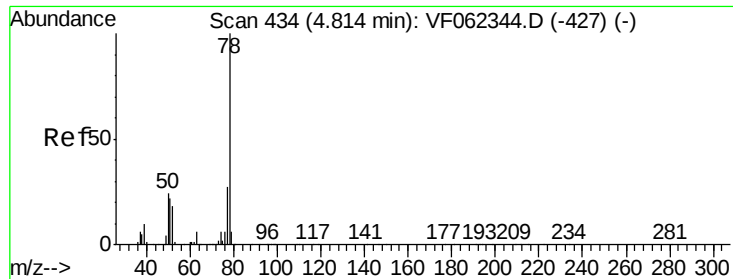
Tot Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
61 27.4 0.0 0.0#
70 0.0 8.2 12.2#



#39
Methylcyclohexane
Concen: 9.053 ug/l
RT: 5.66 min Scan# 521
Delta R.T. 0.03 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 83 Resp: 157
Ion Ratio Lower Upper
83 100
55 0.0 69.0 103.6#
98 67.9 38.6 58.0#

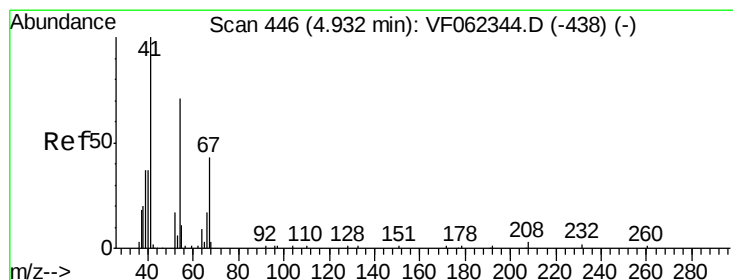
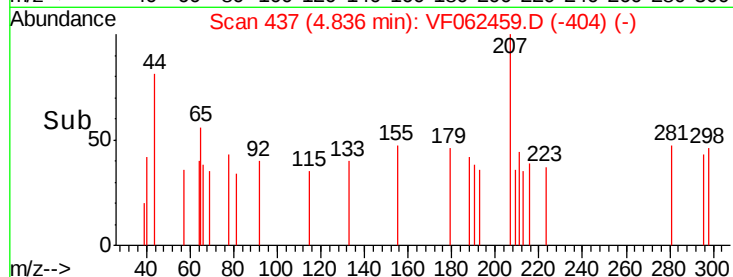
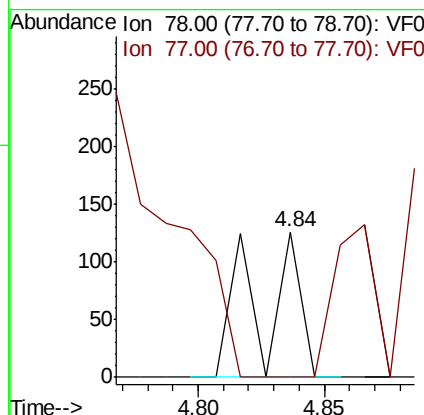
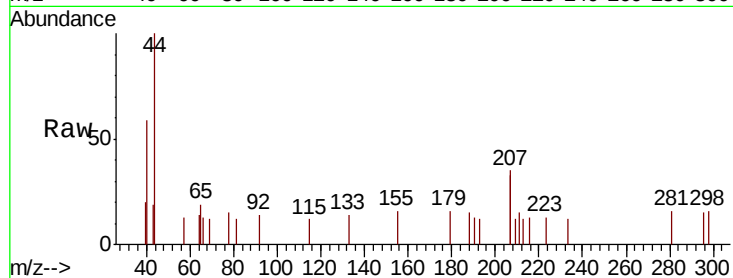




#40
Benzene
Concen: 3.887 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

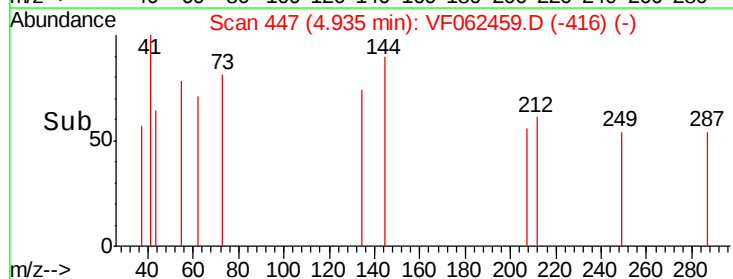
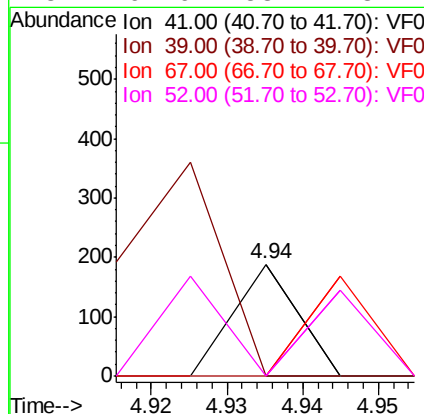
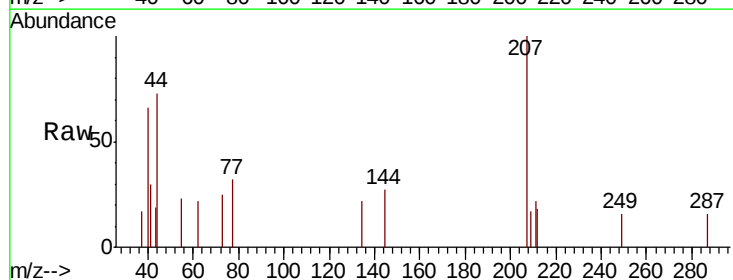
Instrument :
MSVOA_F
ClientSampled :

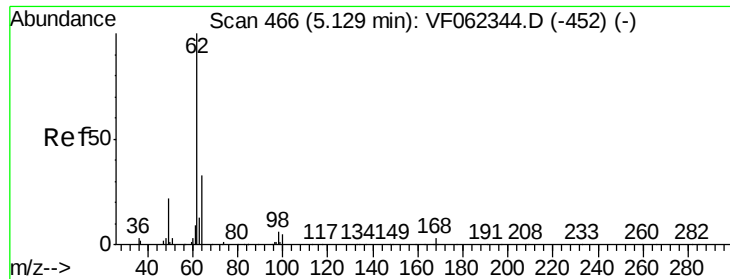
Tot Ion: 78 Resp: 148
Ion Ratio Lower Upper
78 100
77 0.0 21.6 32.4#



#41
Methacrylonitrile
Concen: 26.770 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 41 Resp: 111
Ion Ratio Lower Upper
41 100
39 488.3 54.3 81.5#
67 90.1 37.8 56.8#
52 167.6 58.2 87.4#





#42

1,2-Dichloroethane

Concen: 4.960 ug/l

RT: 5.16 min Scan# 470

Delta R.T. 0.03 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

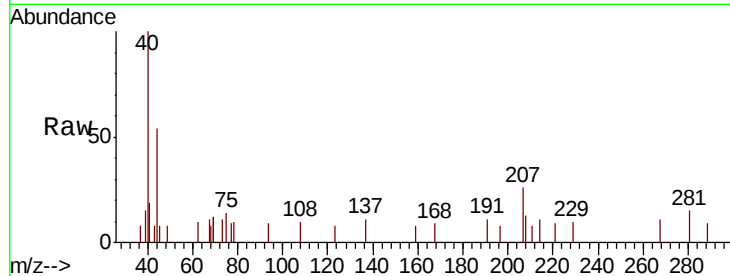
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 62 Resp: 79

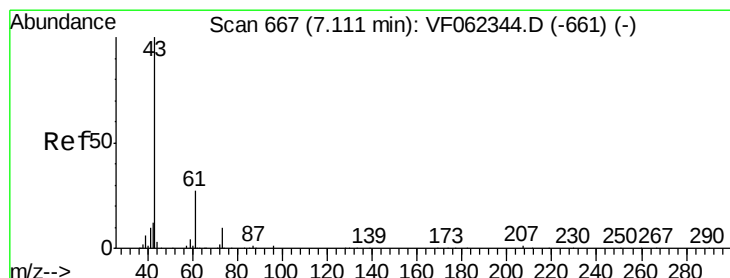
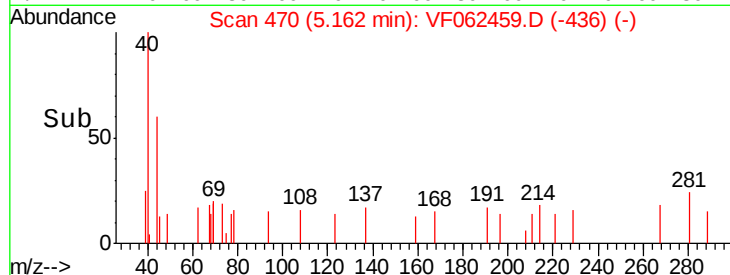
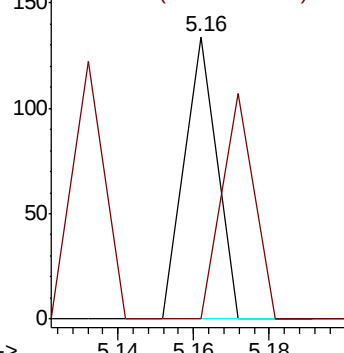
Ion Ratio Lower Upper

62 100

98 79.7 0.0 12.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



#43

Isopropyl Acetate

Concen: 7.883 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

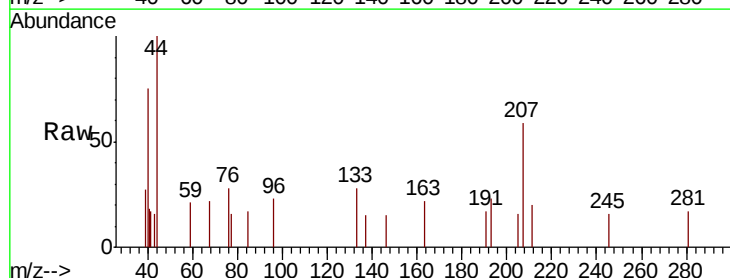
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

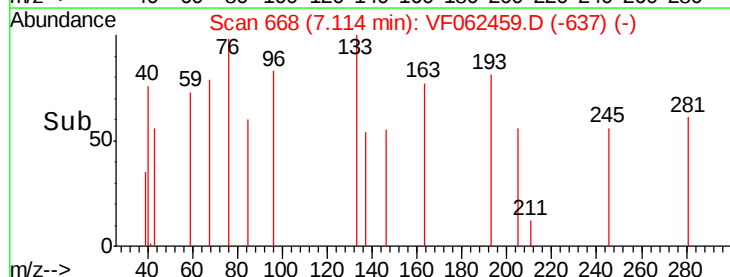
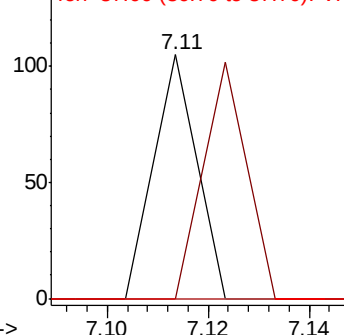
43 100

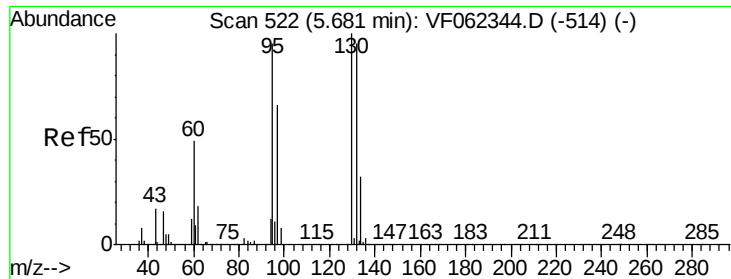
61 96.8 22.8 34.2#

87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

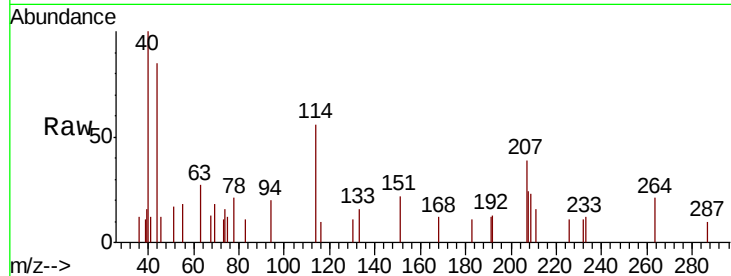




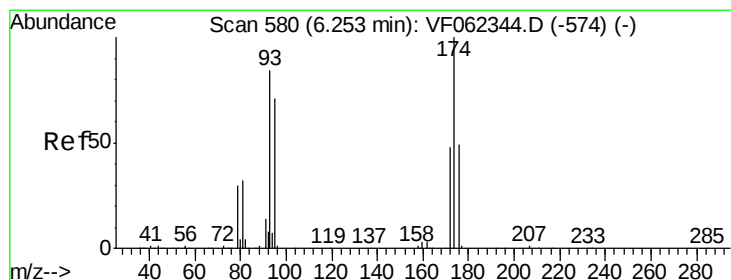
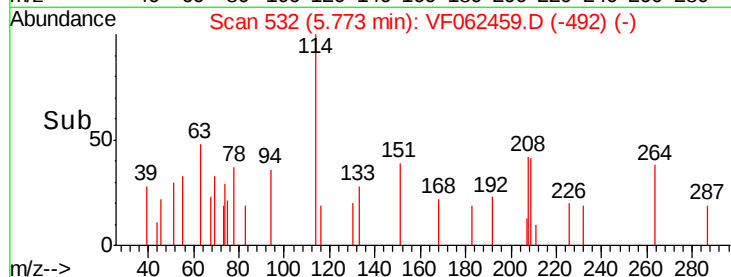
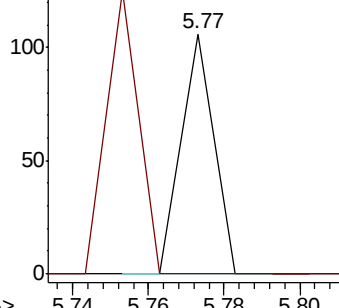
#44
 Trichloroethene
 Concen: 4.504 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.09 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:130 Resp: 63
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 189.0

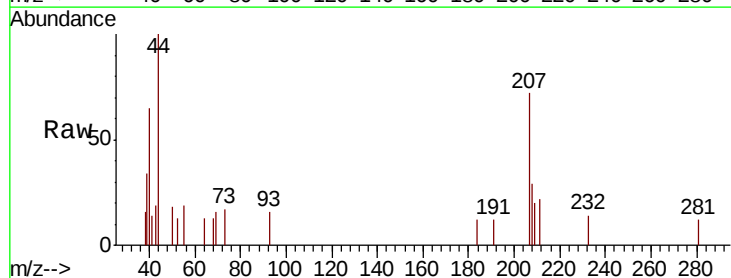


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0

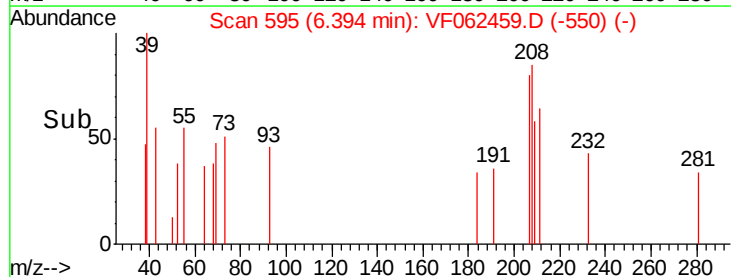
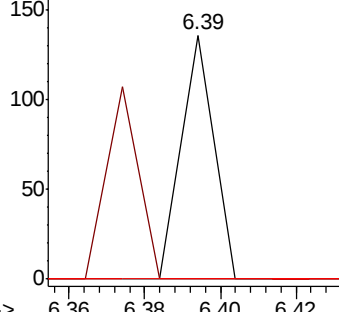


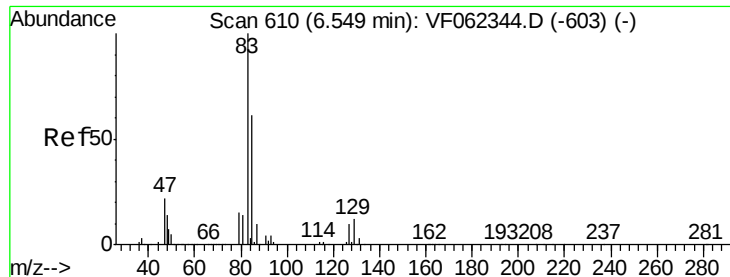
#46
 Dibromomethane
 Concen: 11.187 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.14 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion: 93 Resp: 80
 Ion Ratio Lower Upper
 93 100
 95 78.8 68.4 102.6
 174 0.0 99.6 149.4#



Abundance Ion 92.80 (92.50 to 93.50): VF0
 Ion 94.80 (94.50 to 95.50): VF0
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.474 ug/l

RT: 6.58 min Scan# 614

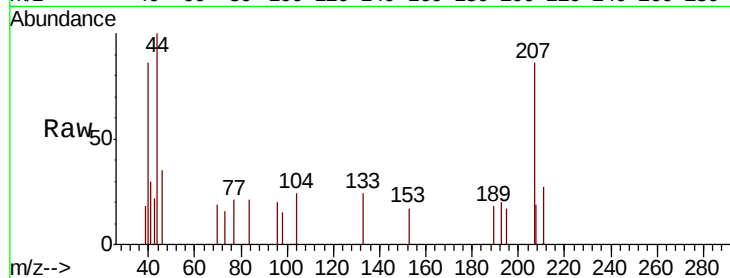
Delta R.T. 0.03 min

Lab File: VF062459.D

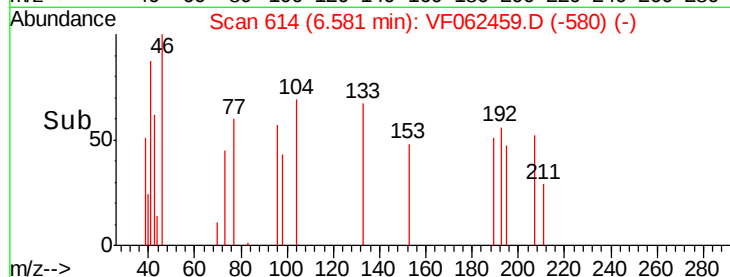
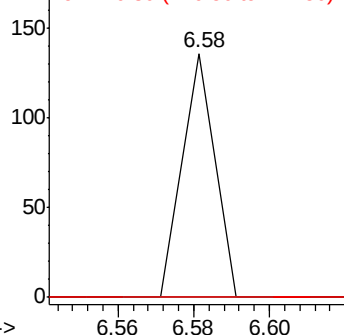
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampleId :

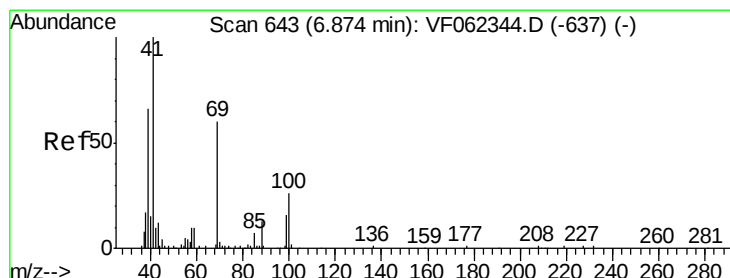
Tot Ion:	83	Resp:	80
Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.1	73.7#
127	0.0	7.8	11.8#



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 22.488 ug/l

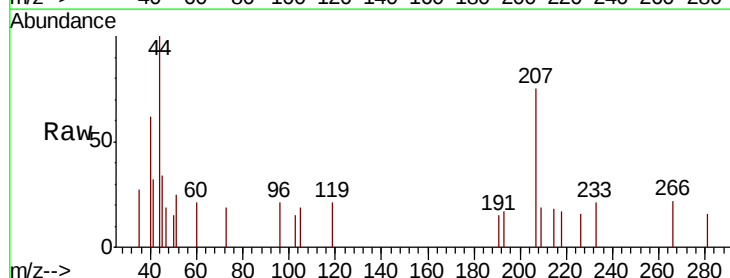
RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

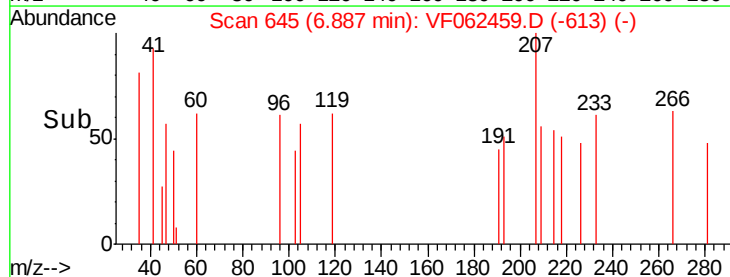
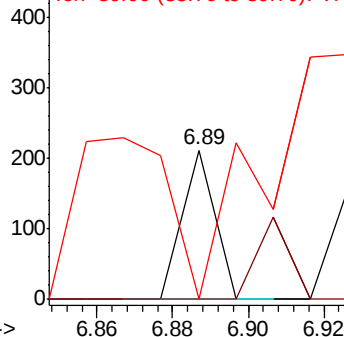
Lab File: VF062459.D

Acq: 11 May 2019 14:48

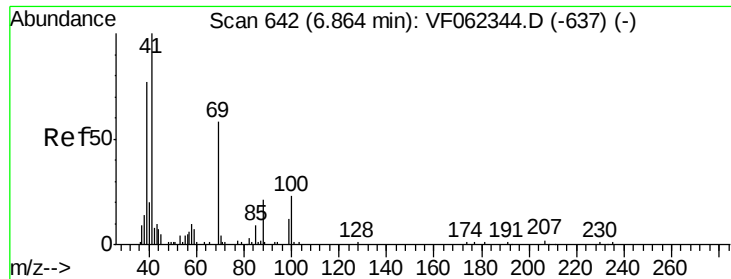
Tgt Ion:	41	Resp:	125
Ion	Ratio	Lower	Upper
41	100		
69	54.4	48.6	72.8
39	0.0	56.1	84.1#



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



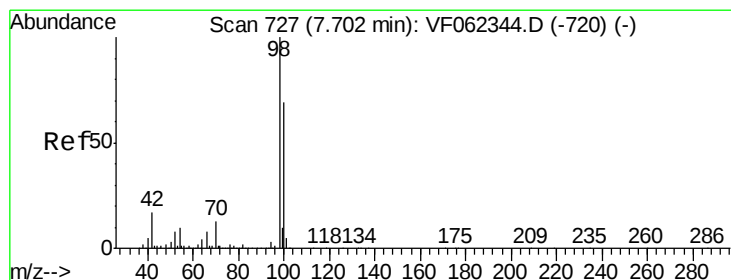
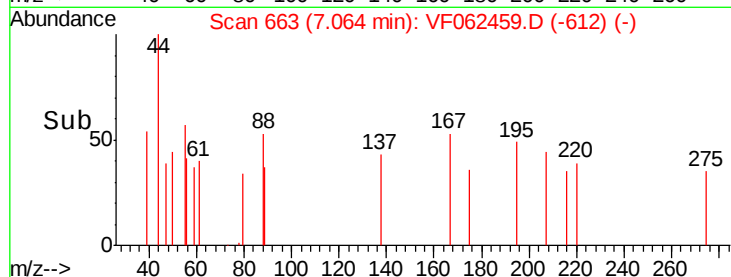
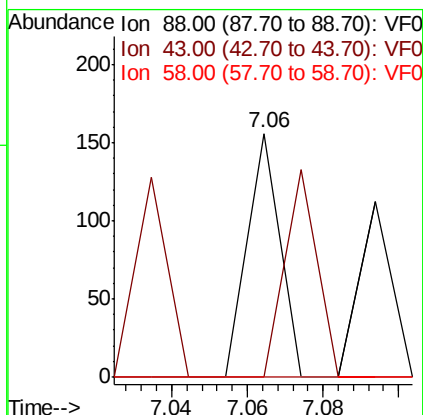
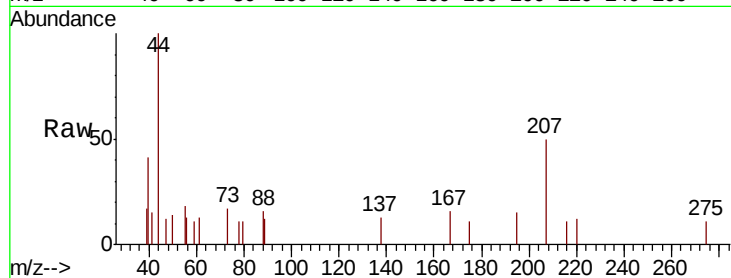
Time-->



#49
1,4-Dioxane
Concen: 1617.380 ug/l
RT: 7.06 min Scan# 663
Delta R.T. 0.20 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

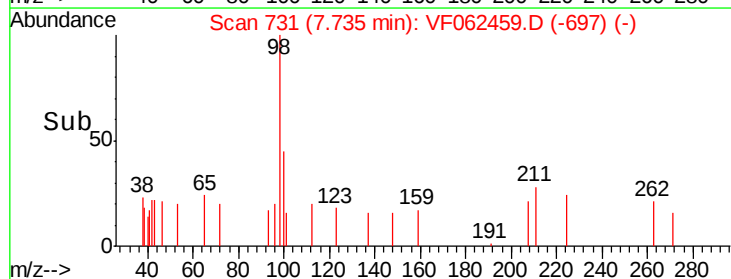
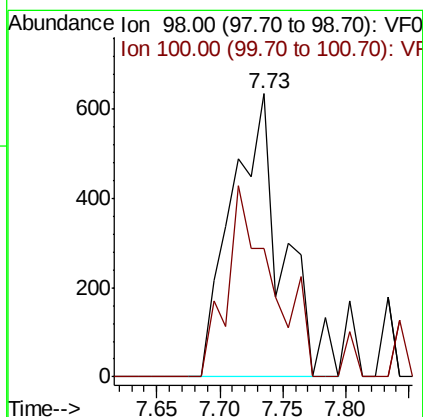
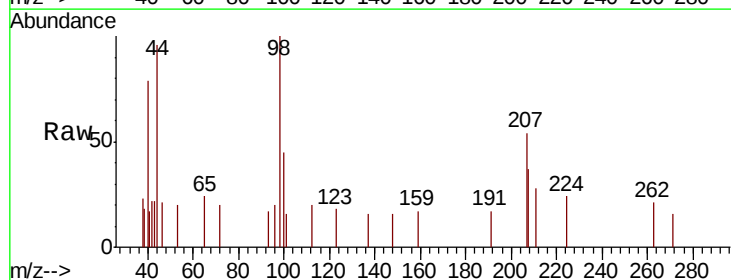
Instrument :
MSVOA_F
ClientSampled :

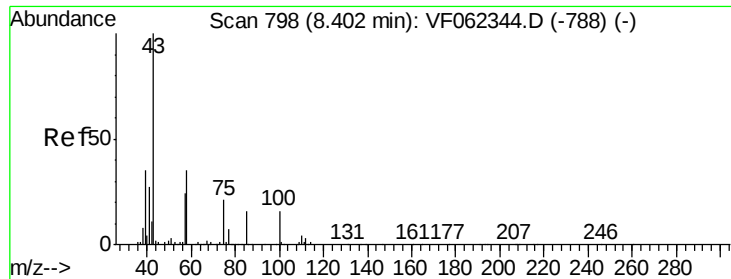
Tot Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 85.9 55.6 83.4#
58 0.0 52.8 79.2#



#50
Toluene-d8
Concen: 45.904 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.03 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 98 Resp: 1782
Ion Ratio Lower Upper
98 100
100 59.9 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 36.577 ug/l

RT: 8.27 min Scan# 785

Delta R.T. -0.14 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

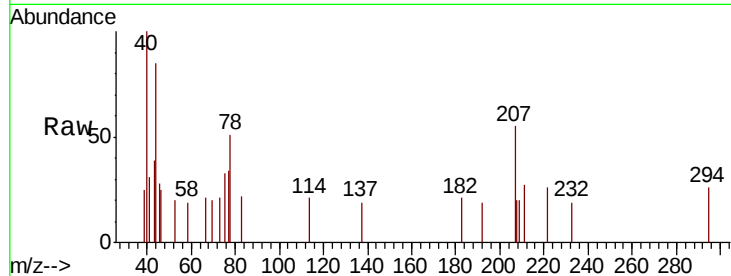
ClientSampleId :

Tot Ion: 43 Resp: 218

Ion Ratio Lower Upper

43 100

58 28.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

200

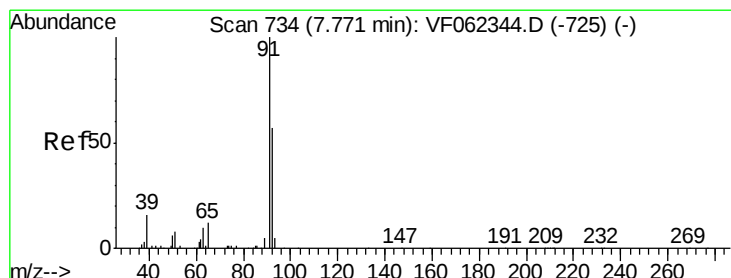
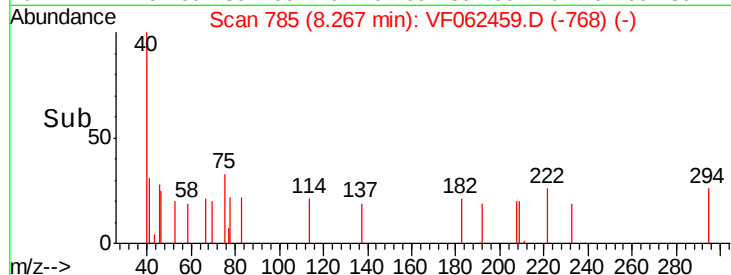
150

100

50

0

Time--> 8.22 8.24 8.26 8.28



#52

Toluene

Concen: 3.065 ug/l

RT: 7.64 min Scan# 721

Delta R.T. -0.14 min

Lab File: VF062459.D

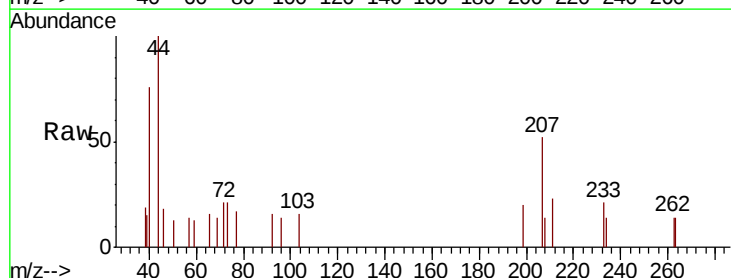
Acq: 11 May 2019 14:48

Tgt Ion: 92 Resp: 72

Ion Ratio Lower Upper

92 100

91 0.0 138.7 208.1#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

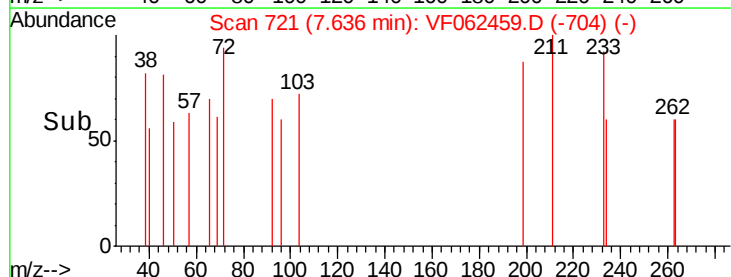
7.64

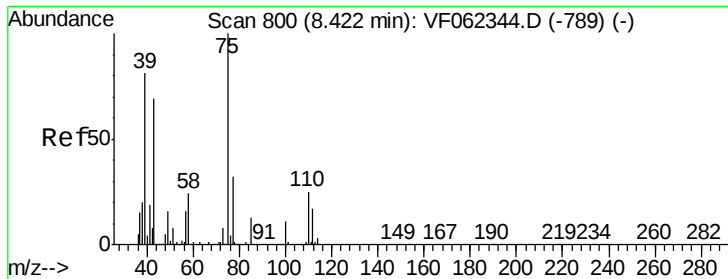
100

50

0

Time--> 7.60 7.62 7.64 7.66





#53

t-1,3-Dichloropropene

Concen: 20.854 ug/l

RT: 8.46 min Scan# 805

Delta R.T. 0.04 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

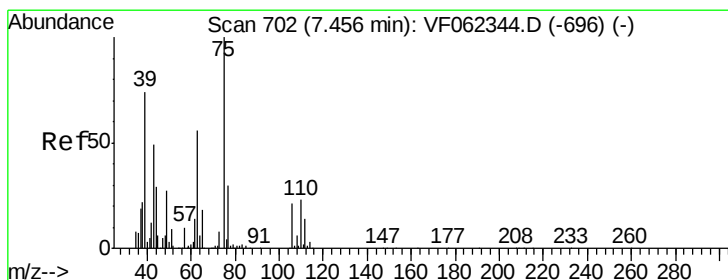
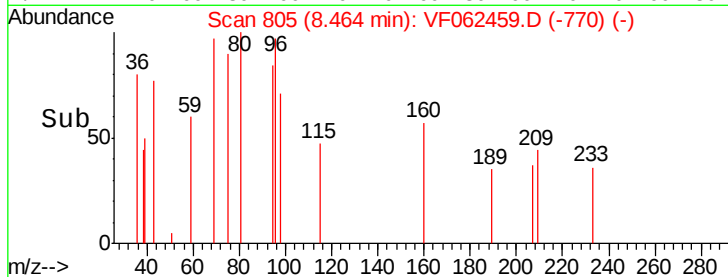
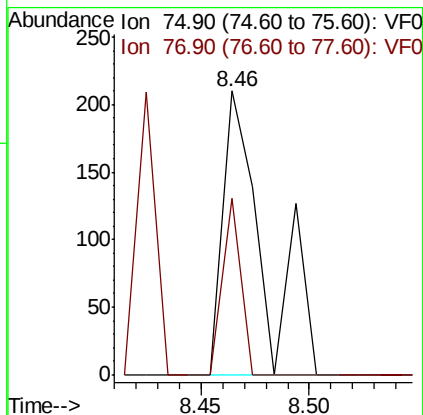
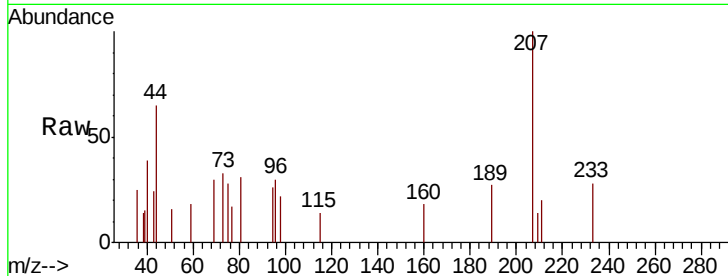
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

77 62.4 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.056 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

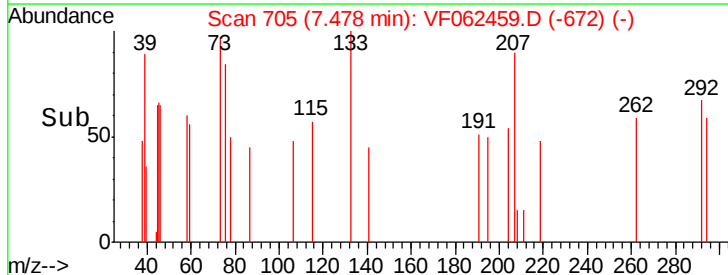
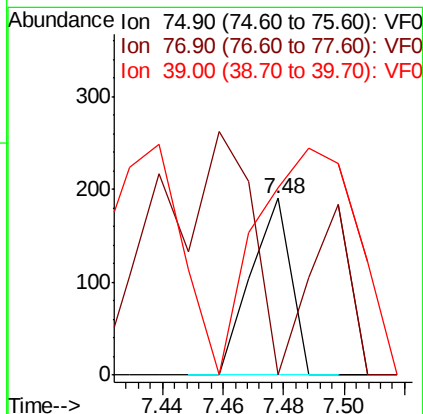
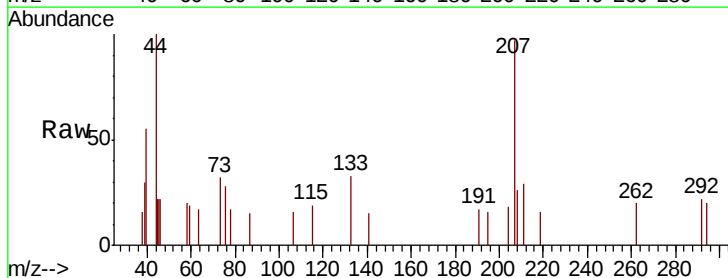
Tgt Ion: 75 Resp: 174

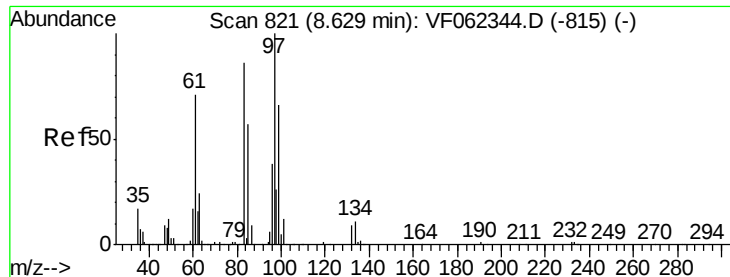
Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 46.3 58.7 88.1#

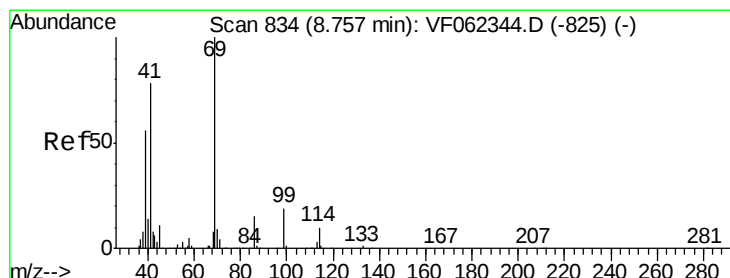
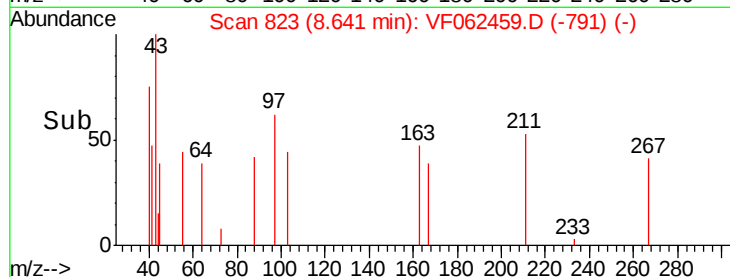
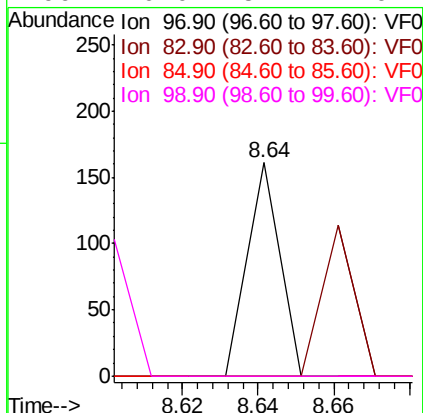
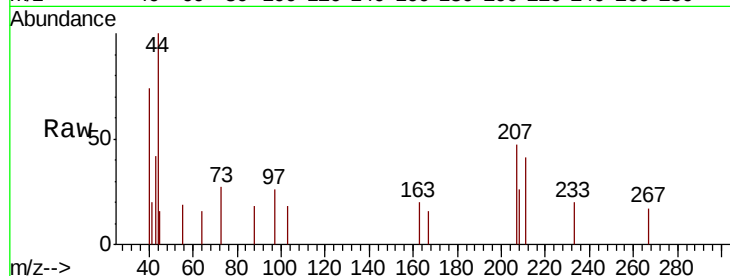




#55
 1,1,2-Trichloroethane
 Concen: 12.739 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

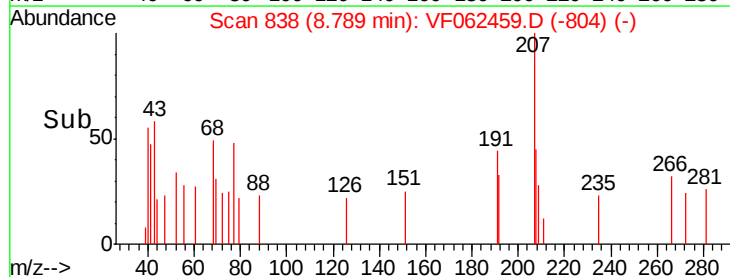
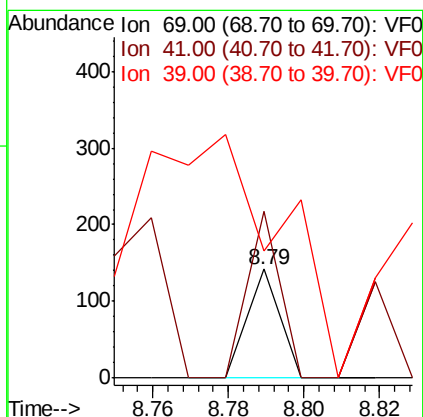
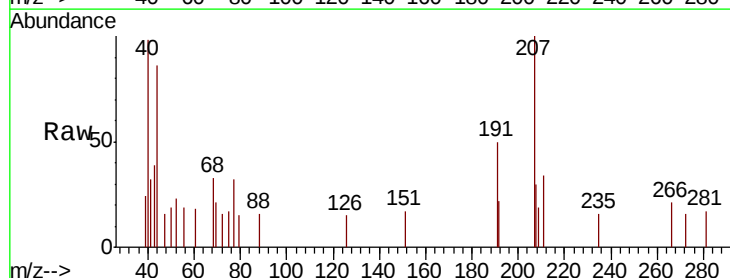
Instrument :
 MSVOA_F
 ClientSampled :

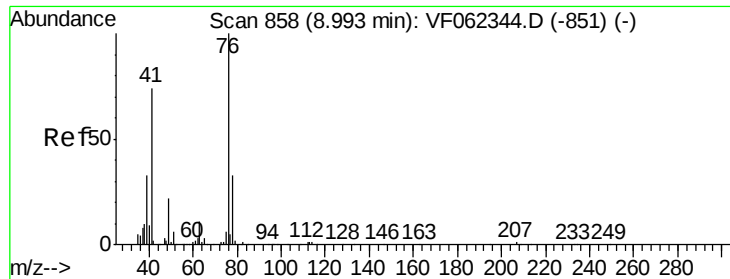
Tot Ion:	97	Resp:	95
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.5	102.7#
85	0.0	45.4	68.2#
99	0.0	52.7	79.1#



#56
 Ethyl methacrylate
 Concen: 10.671 ug/l
 RT: 8.79 min Scan# 838
 Delta R.T. 0.03 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion:	69	Resp:	84
Ion	Ratio	Lower	Upper
69	100		
41	152.4	66.3	99.5#
39	1207.1	50.1	75.1#





#57

1,3-Dichloropropane

Concen: 8.522 ug/l

RT: 9.05 min Scan# 864

Delta R.T. 0.05 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

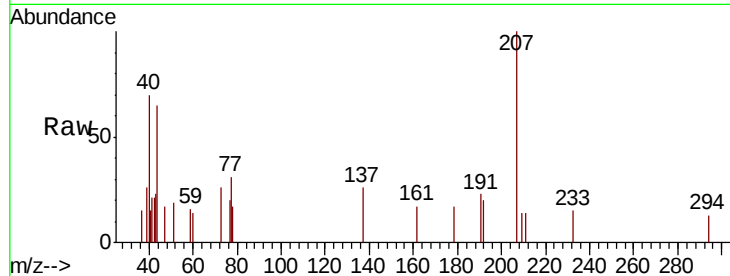
ClientSampleId :

Tot Ion: 76 Resp: 96

Ion Ratio Lower Upper

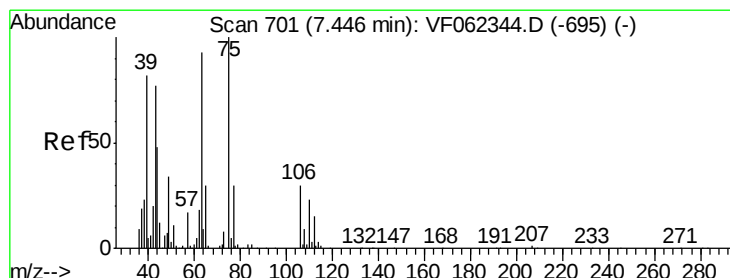
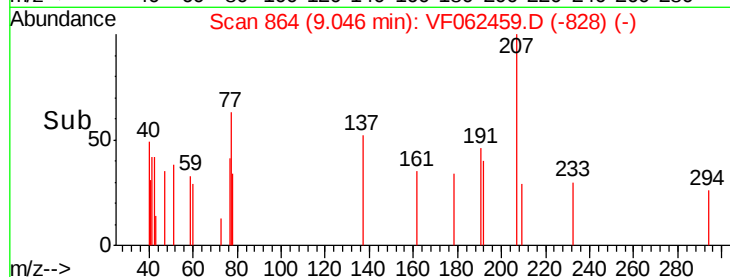
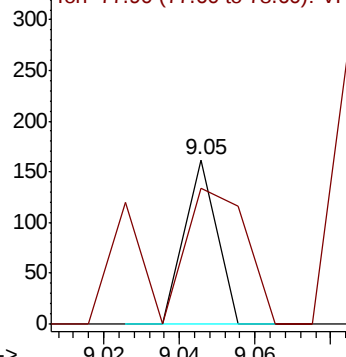
76 100

78 228.1 26.4 39.6#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 57.888 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.04 min

Lab File: VF062459.D

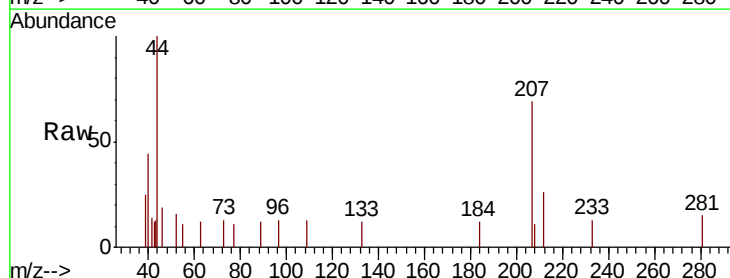
Acq: 11 May 2019 14:48

Tgt Ion: 63 Resp: 137

Ion Ratio Lower Upper

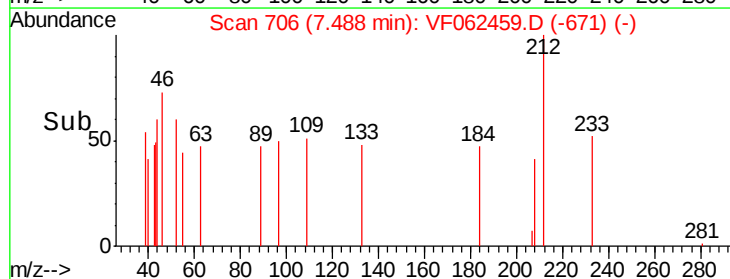
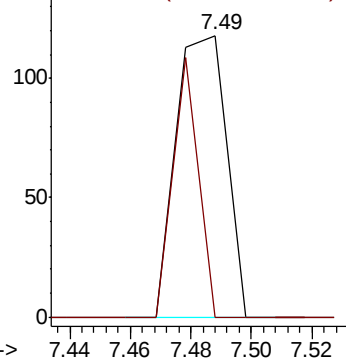
63 100

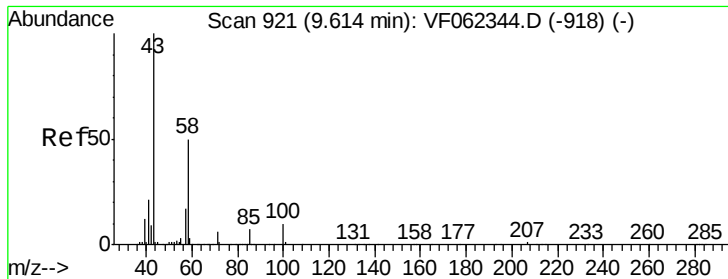
106 46.7 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

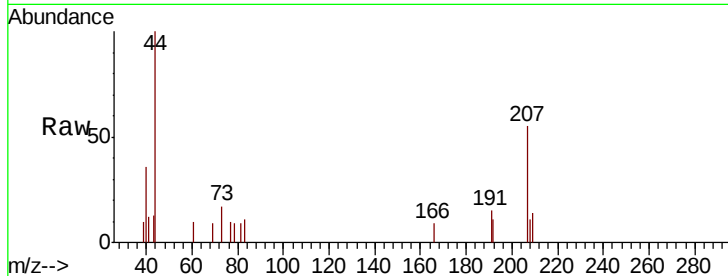




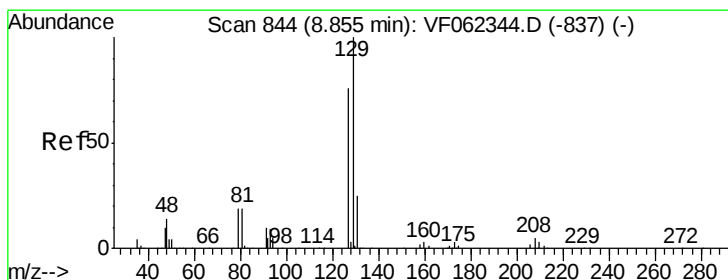
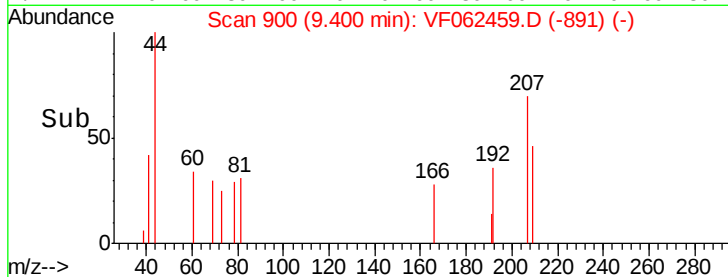
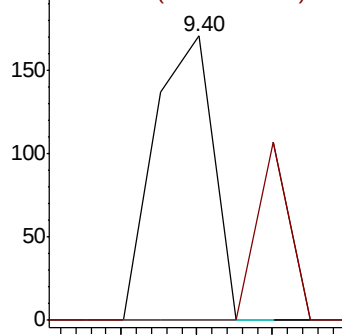
#59
2-Hexanone
Concen: 44.154 ug/l
RT: 9.40 min Scan# 900
Delta R.T. -0.21 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 34.6 24.3 73.0

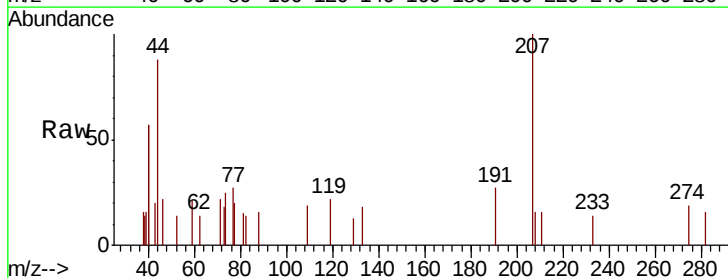


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

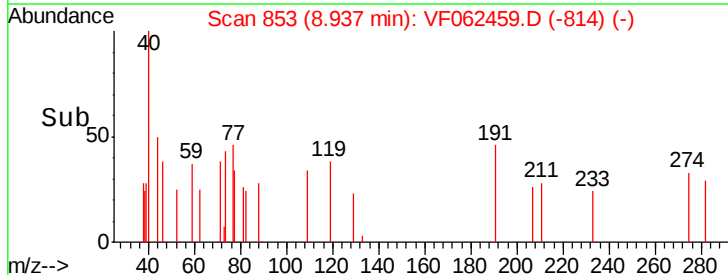
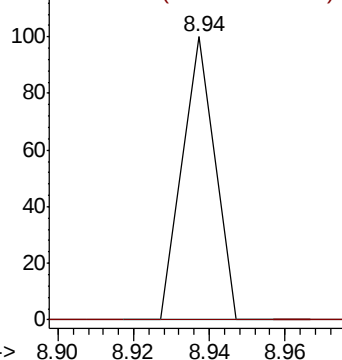


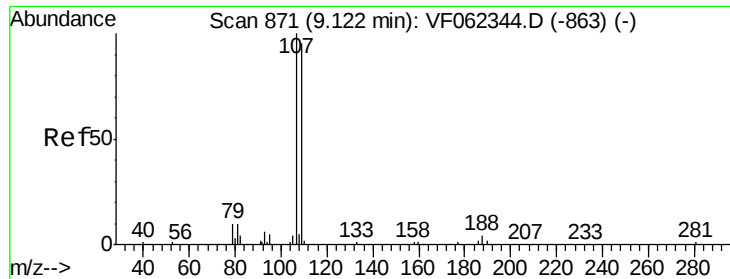
#60
Dibromochloromethane
Concen: 4.837 ug/l
RT: 8.94 min Scan# 853
Delta R.T. 0.08 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion: 129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 7.530 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

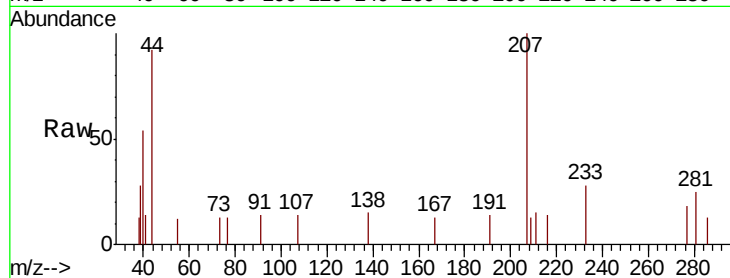
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 107 Resp: 66

Ion Ratio Lower Upper

107 100

109 0.0 75.2 112.8#

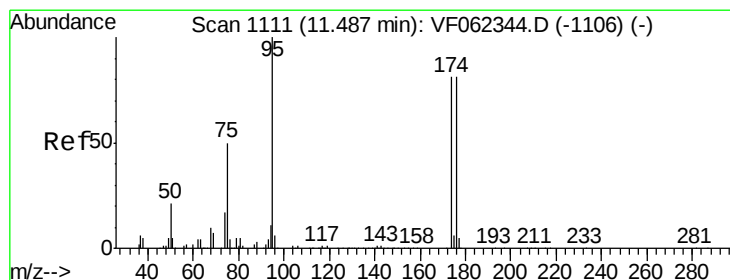
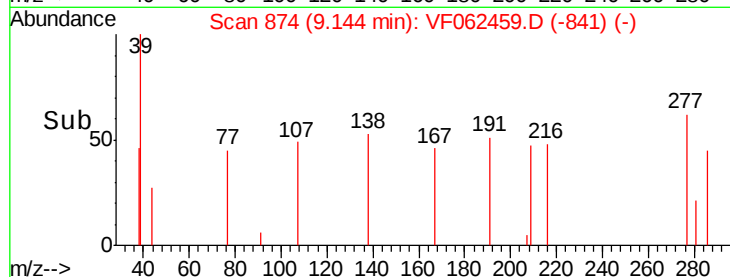


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.14

Time-->



#62

4-Bromofluorobenzene

Concen: 3.540 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. 0.07 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

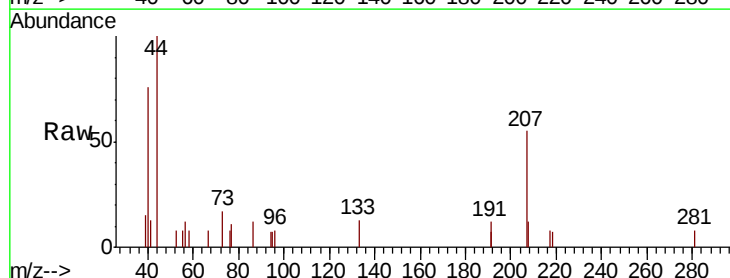
Tgt Ion: 95 Resp: 62

Ion Ratio Lower Upper

95 100

174 0.0 0.0 191.8

176 0.0 0.0 193.2



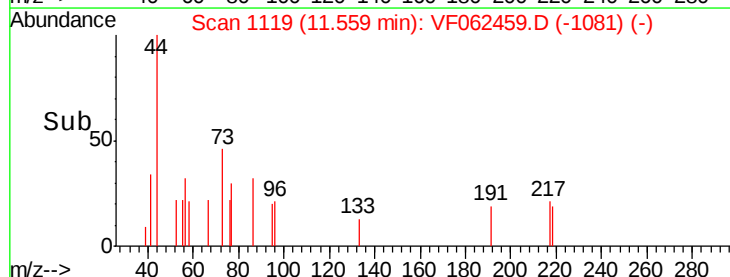
Abundance Ion 94.90 (94.60 to 95.60): VF0

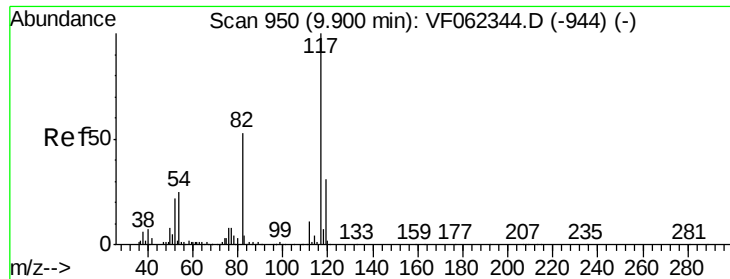
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.56

Time-->

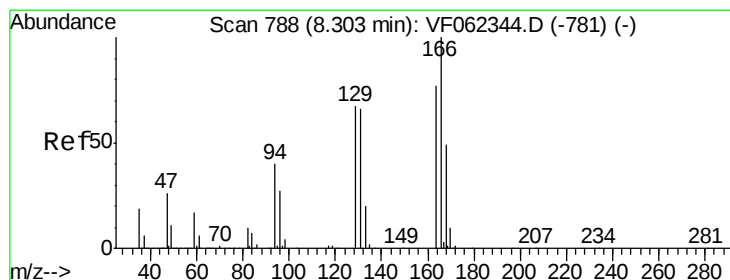
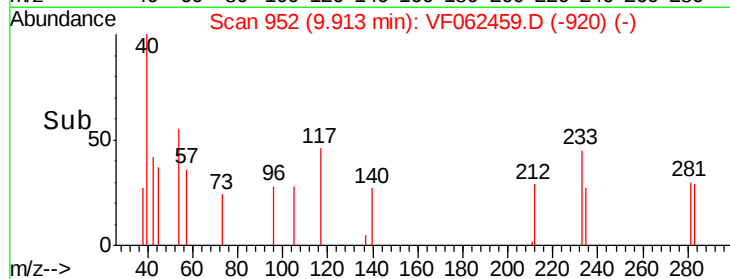
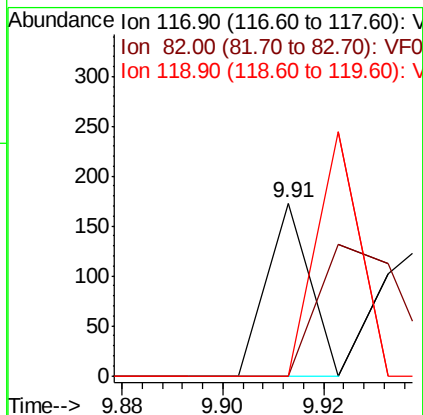
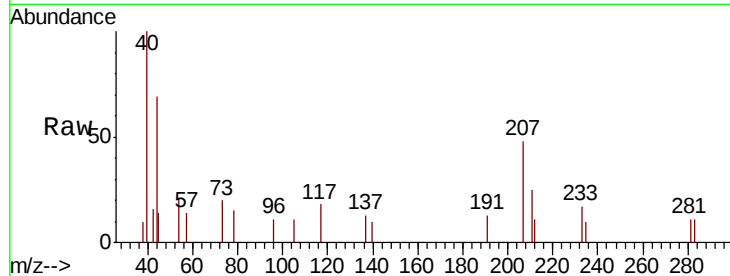




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

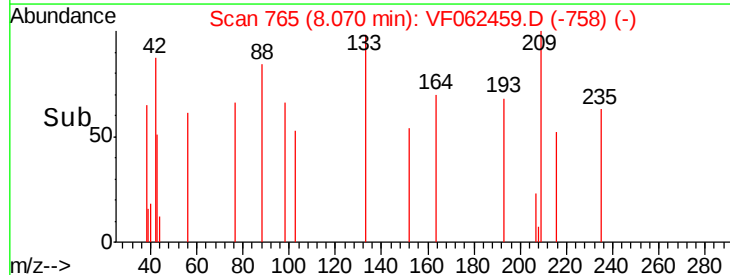
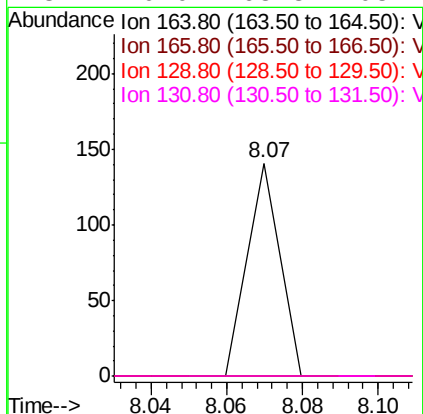
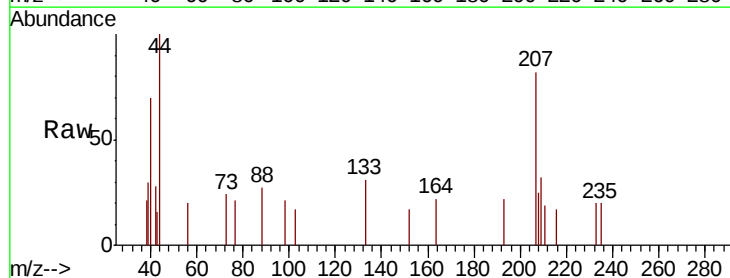
Instrument :
MSVOA_F
ClientSampleId :

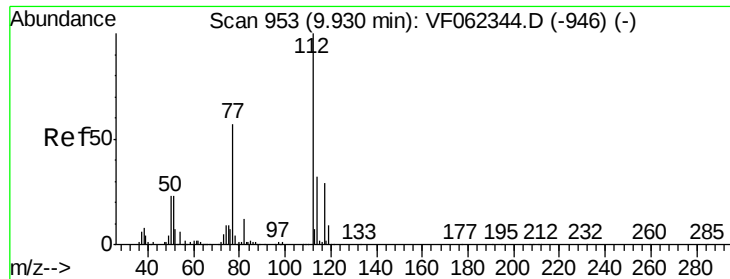
Tot Ion:117 Resp: 102
Ion Ratio Lower Upper
117 100
82 0.0 42.2 63.2#
119 0.0 25.0 37.4#



#64
Tetrachloroethene
Concen: 100.233 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.23 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion:164 Resp: 83
Ion Ratio Lower Upper
164 100
166 0.0 104.2 156.4#
129 0.0 69.6 104.4#
131 0.0 68.8 103.2#





#65

Chlorobenzene

Concen: 45.033 ug/l

RT: 9.81 min Scan# 942

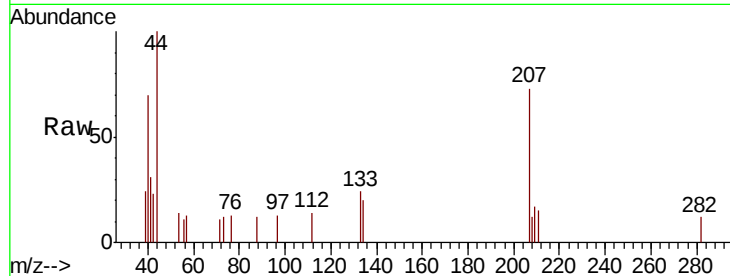
Delta R.T. -0.12 min

Lab File: VF062459.D

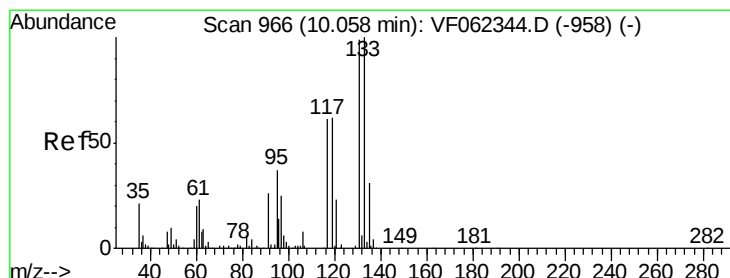
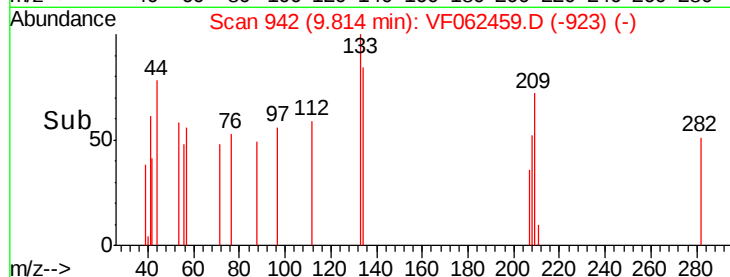
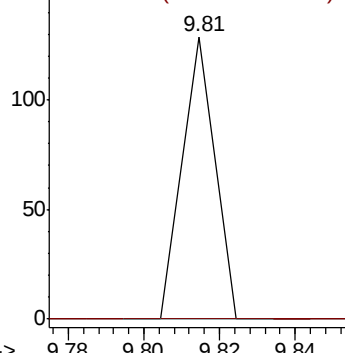
Acq: 11 May 2019 14:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 76
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 92.792 ug/l

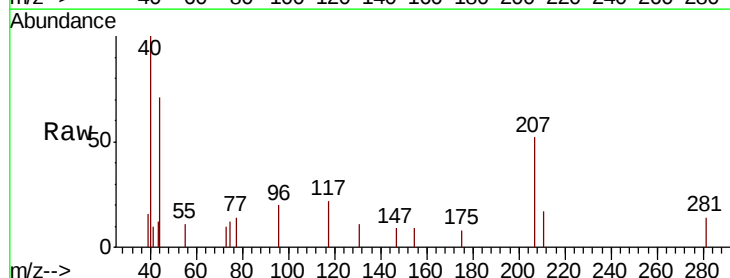
RT: 10.15 min Scan# 976

Delta R.T. 0.09 min

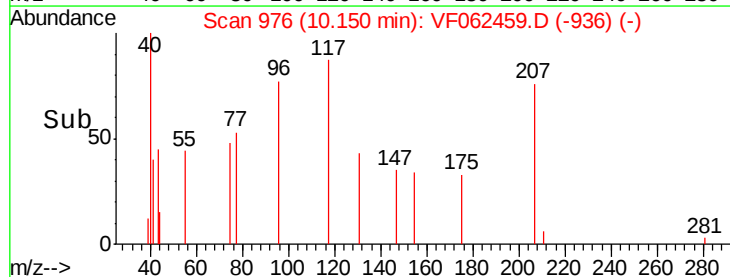
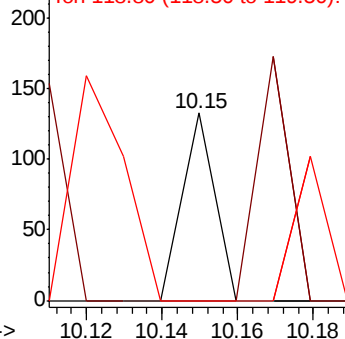
Lab File: VF062459.D

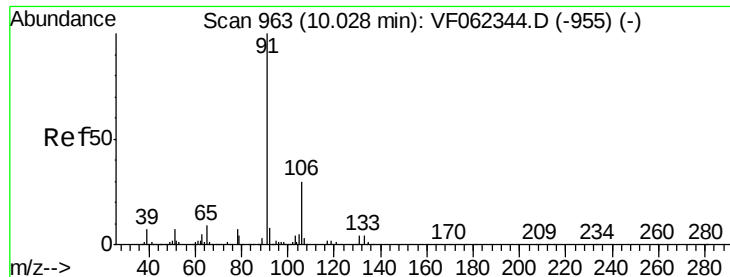
Acq: 11 May 2019 14:48

Tgt Ion:131 Resp: 79
Ion Ratio Lower Upper
131 100
133 0.0 50.2 150.7#
119 0.0 31.6 95.0#



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 24.025 ug/l

RT: 10.16 min Scan# 977

Delta R.T. 0.13 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

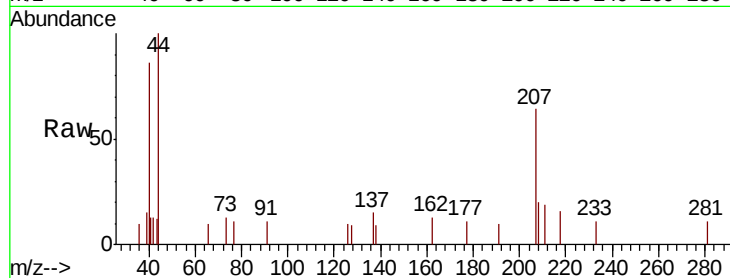
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

106 0.0 24.1 36.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

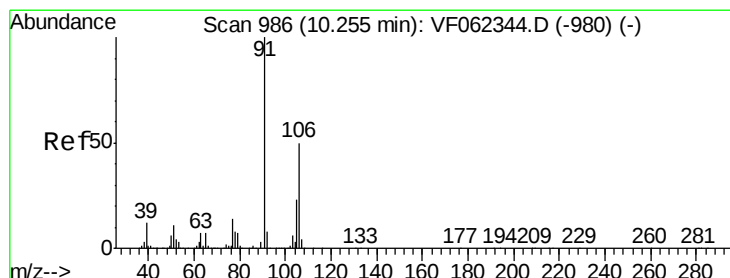
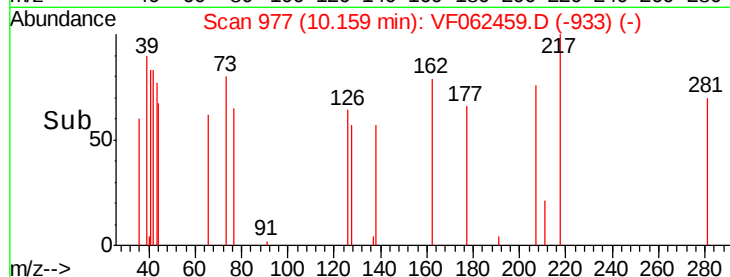
10.16

100

50

0

Time--> 10.12 10.14 10.16 10.18



#68

m/p-Xylenes

Concen: 61.447 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.03 min

Lab File: VF062459.D

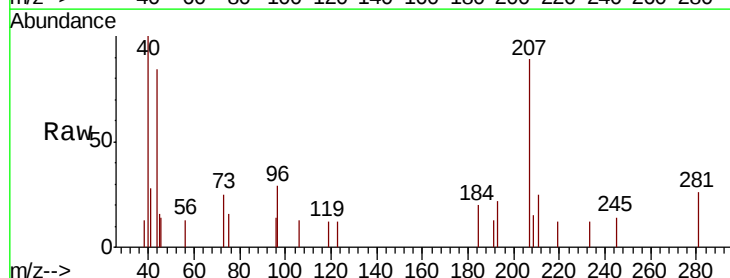
Acq: 11 May 2019 14:48

Tgt Ion: 106 Resp: 67

Ion Ratio Lower Upper

106 100

91 0.0 167.4 251.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

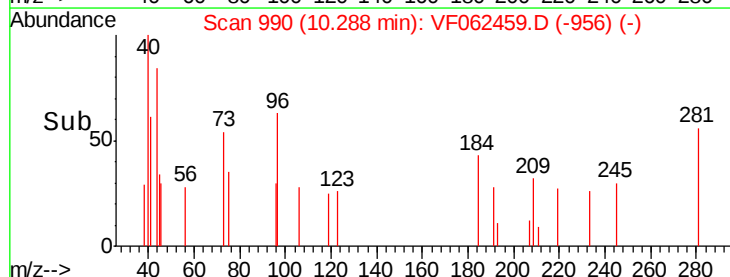
150

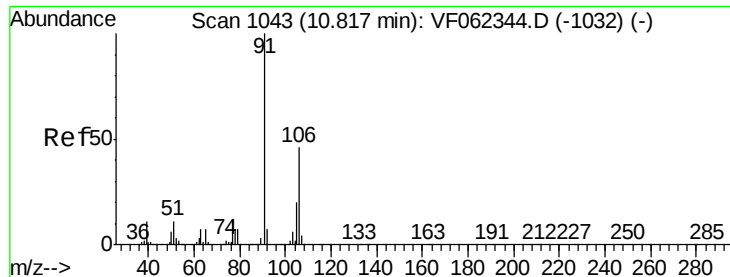
100

50

0

Time--> 10.26 10.28 10.30 10.32

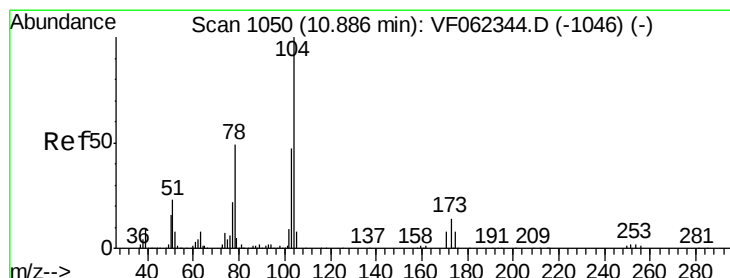
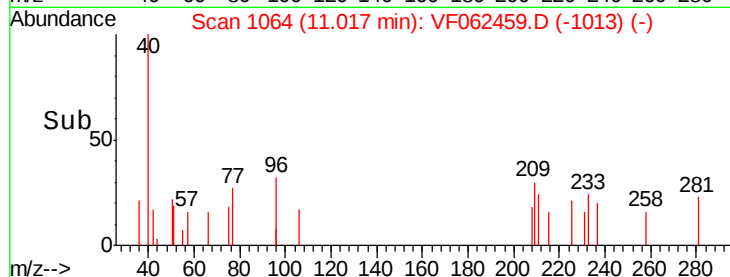
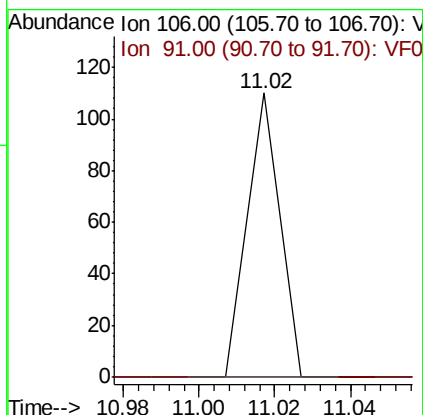
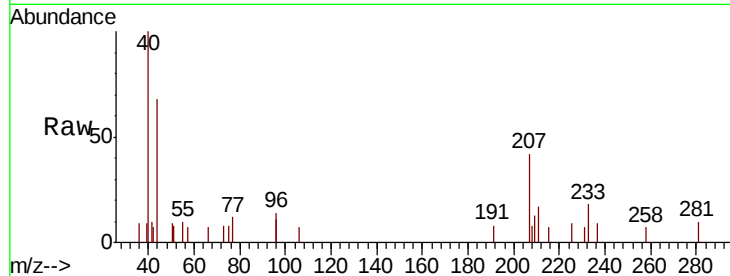




#69
o-Xylene
Concen: 55.168 ug/l
RT: 11.02 min Scan# 1064
Delta R.T. 0.20 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

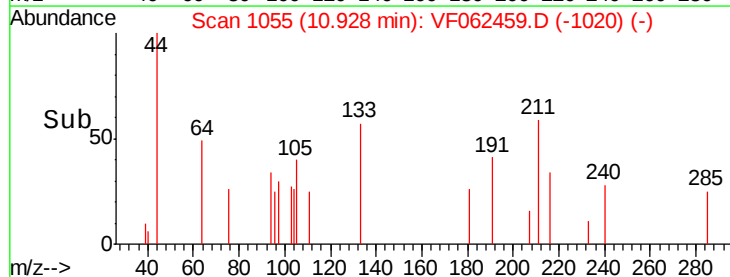
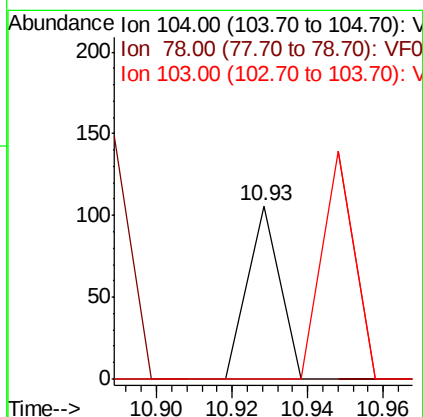
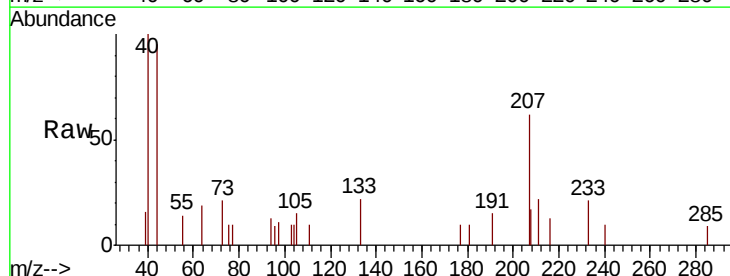
Instrument :
MSVOA_F
ClientSampleId :

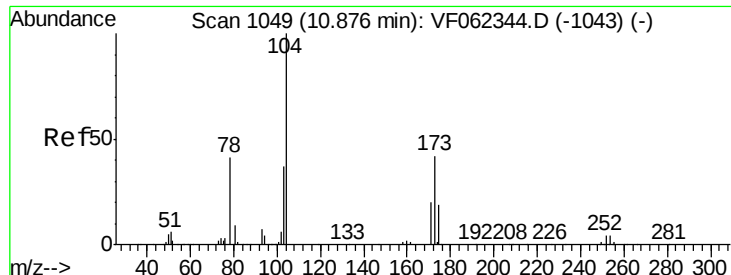
Tot Ion:106 Resp: 65
Ion Ratio Lower Upper
106 100
91 0.0 111.3 333.8#



#70
Styrene
Concen: 35.677 ug/l
RT: 10.93 min Scan# 1055
Delta R.T. 0.04 min
Lab File: VF062459.D
Acq: 11 May 2019 14:48

Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 130.2 38.4 57.6#





#71

Bromoform

Concen: 169.373 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.03 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampleId :

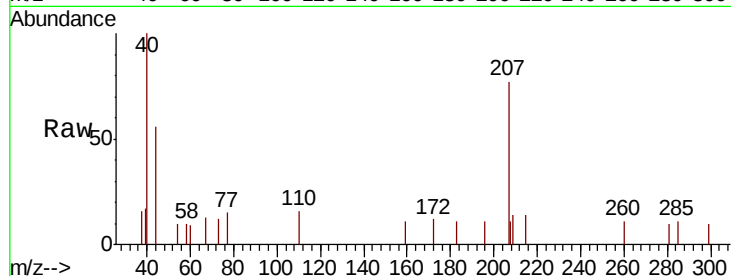
Tot Ion:173 Resp: 79

Ion Ratio Lower Upper

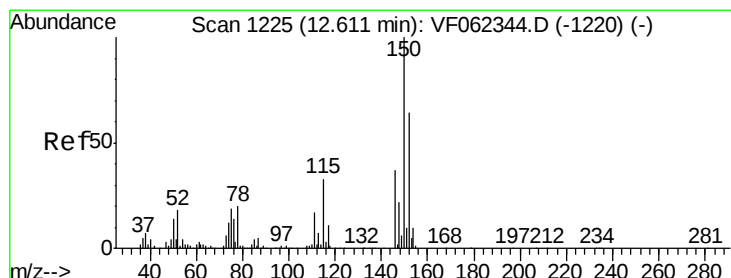
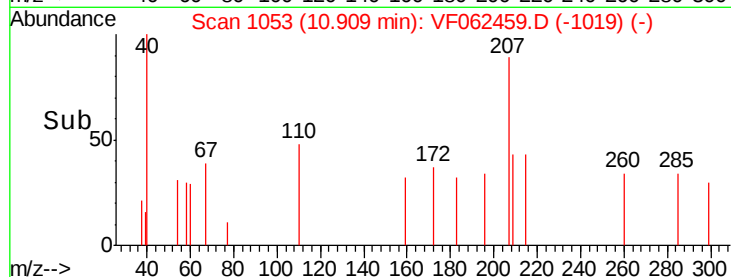
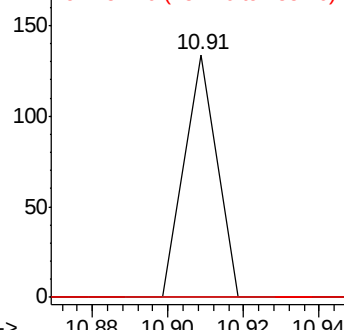
173 100

175 0.0 23.8 71.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.14 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

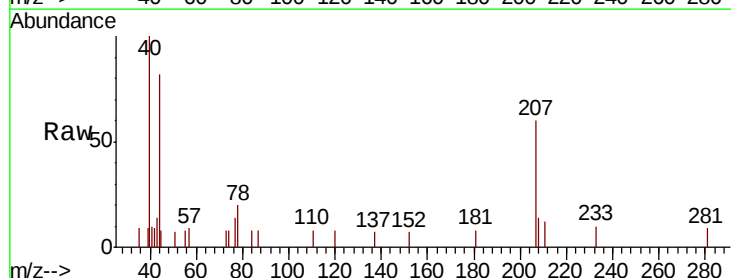
Tgt Ion:152 Resp: 59

Ion Ratio Lower Upper

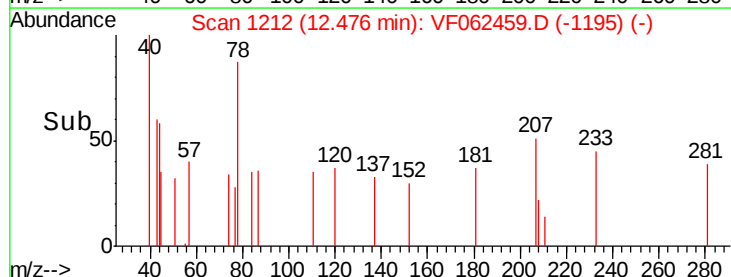
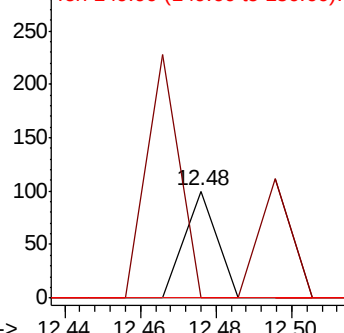
152 100

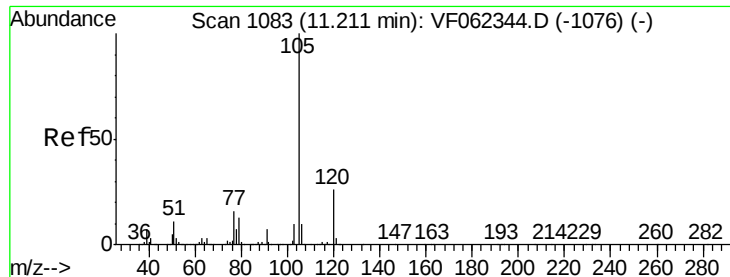
115 228.8 26.4 79.2#

150 0.0 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.157 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

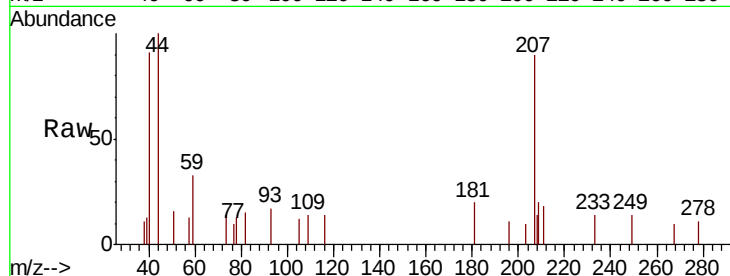
ClientSampleId :

Tot Ion: 105 Resp: 74

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

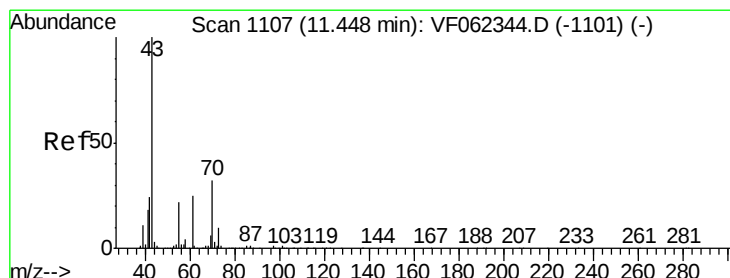
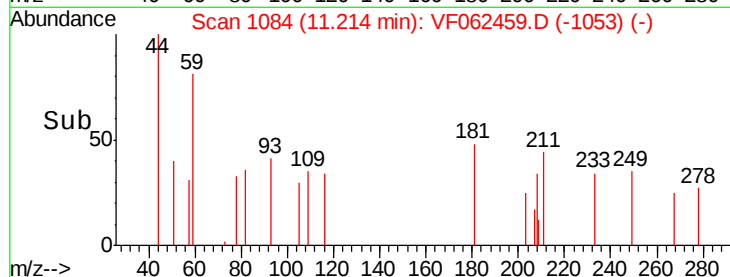
11.21

100

50

0

Time--> 11.18 11.20 11.22 11.24



#74

N-ethyl acetate

Concen: 282.321 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.03 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Tgt Ion: 43 Resp: 212

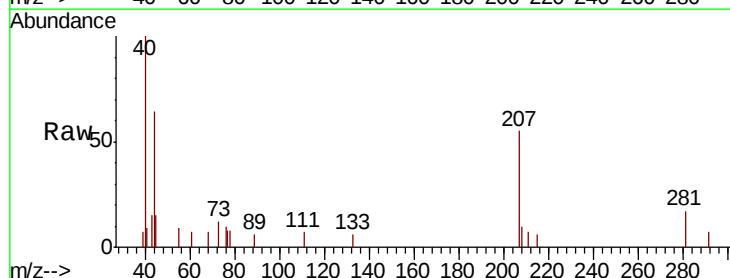
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 0.0 17.8 26.6#

61 67.9 20.2 30.2#



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

400

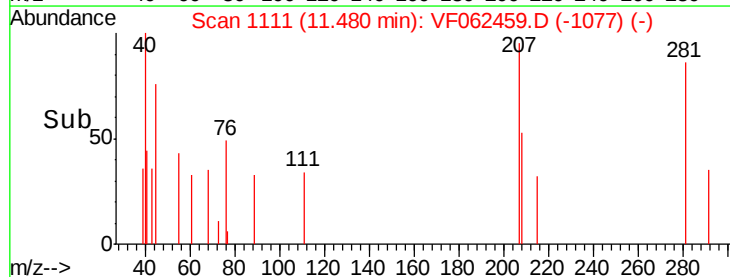
300

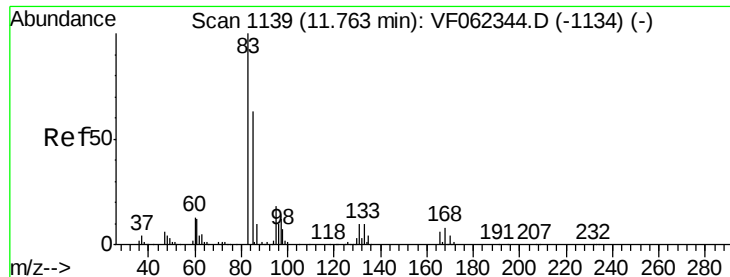
200

100

0

Time--> 11.46 11.48 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 115.035 ug/l

RT: 11.86 min Scan# 1150

Delta R.T. 0.10 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampleId :

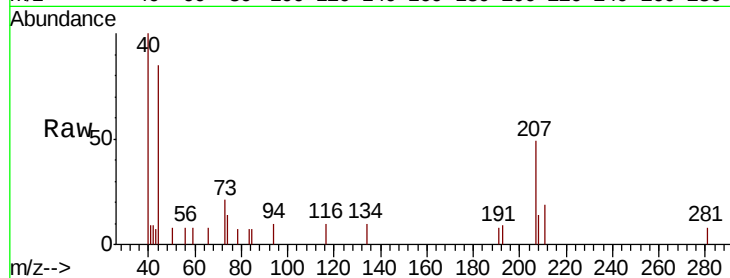
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

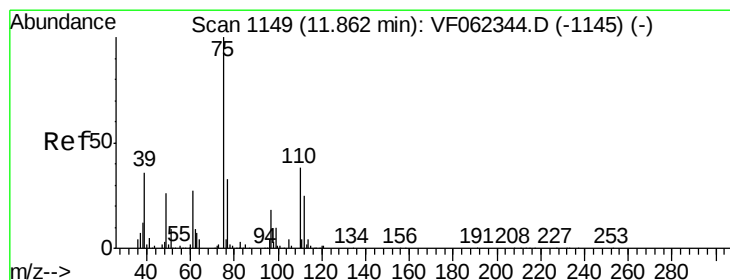
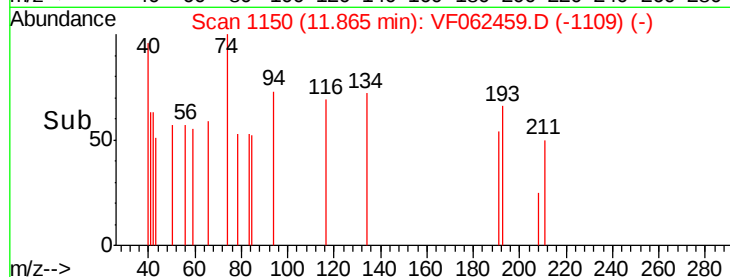
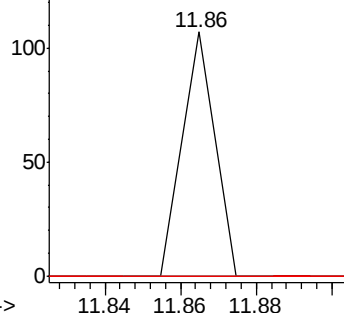
85 0.0 35.3 105.7#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 169.926 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062459.D

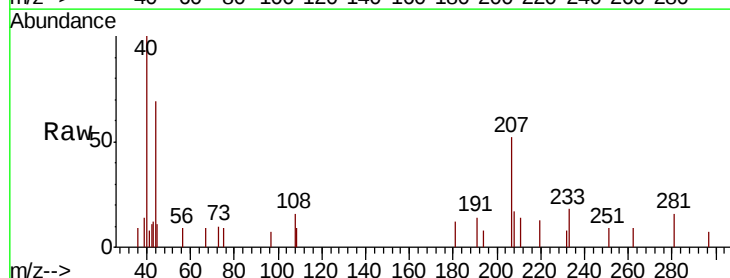
Acq: 11 May 2019 14:48

Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

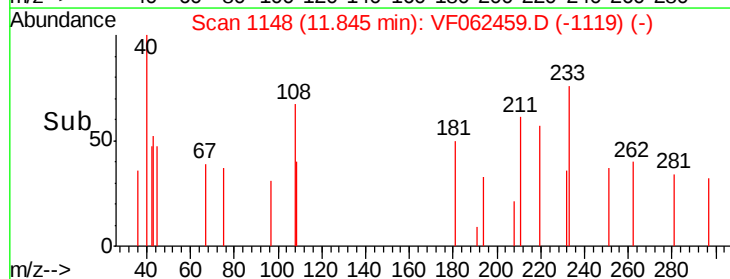
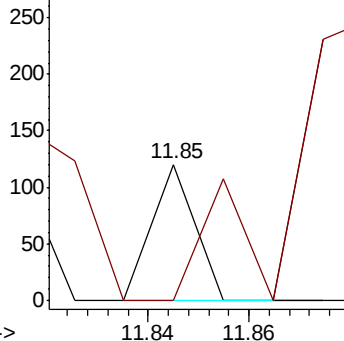
75 100

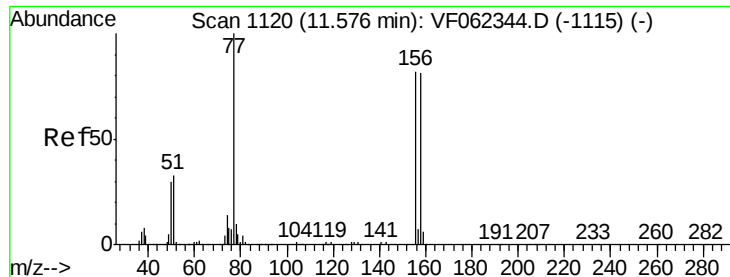
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 67.540 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. -0.25 min

Lab File: VF062459.D

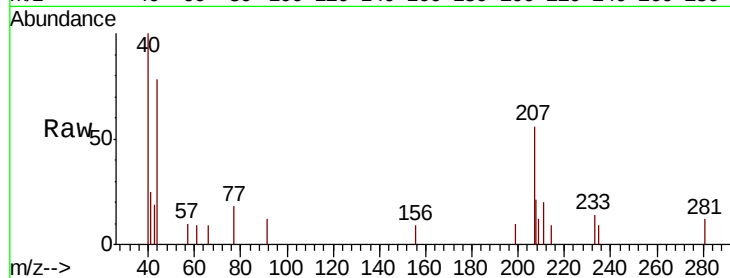
Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampleId :

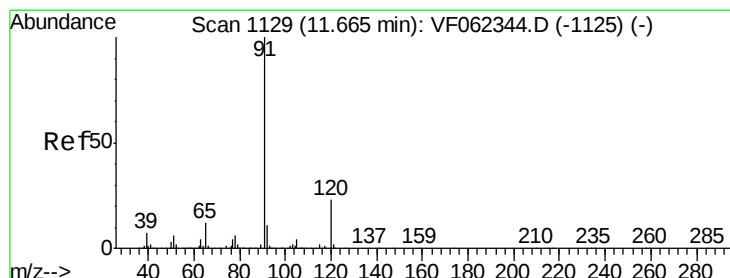
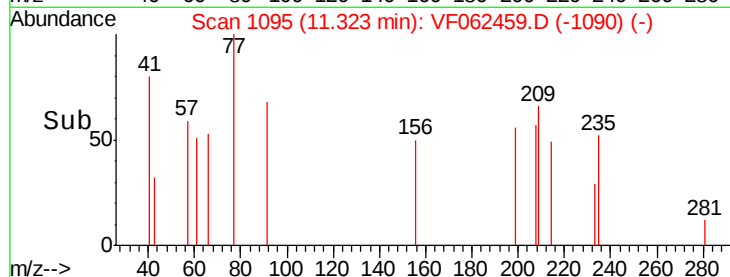
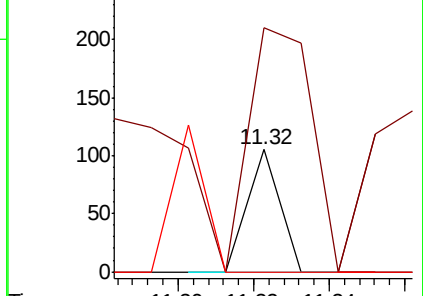
Tot Ion:	156	Resp:	62
Ion	Ratio	Lower	Upper
156	100		
77	388.7	64.8	194.3#
158	121.0	49.1	147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.918 ug/l

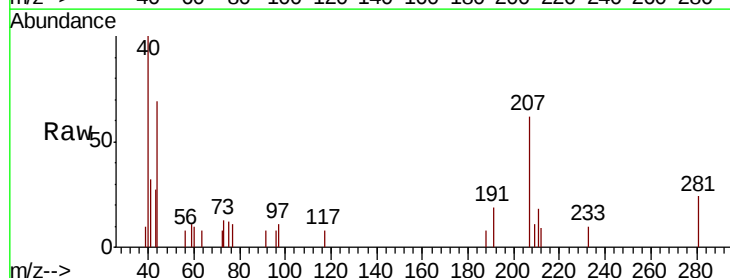
RT: 11.62 min Scan# 1125

Delta R.T. -0.05 min

Lab File: VF062459.D

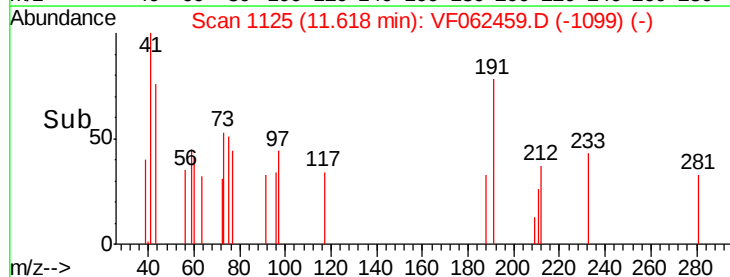
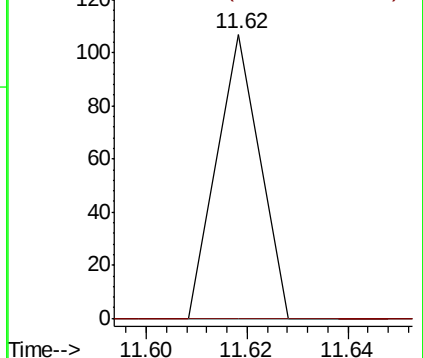
Acq: 11 May 2019 14:48

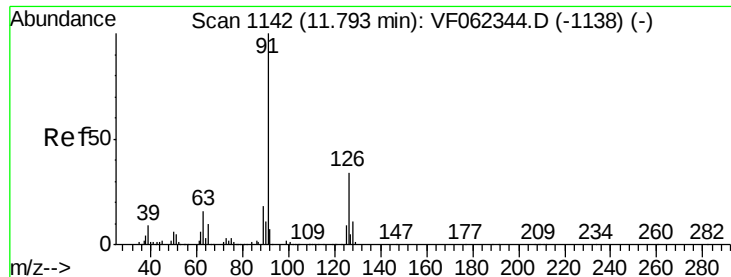
Tgt Ion:	91	Resp:	63
Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.9	35.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

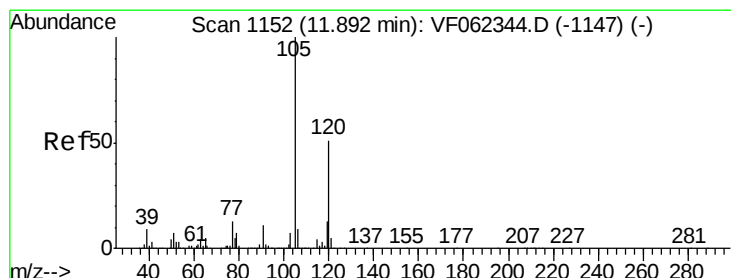
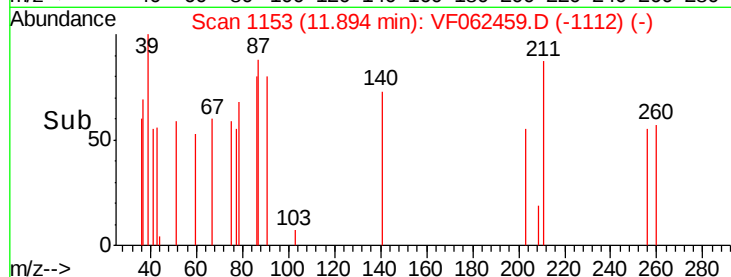
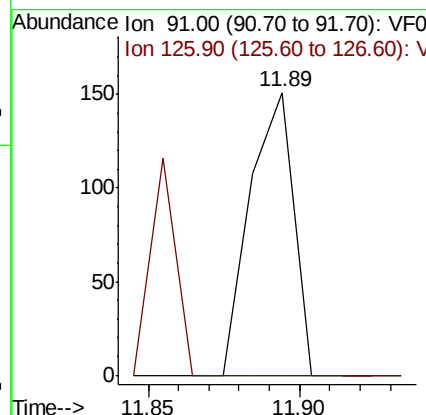
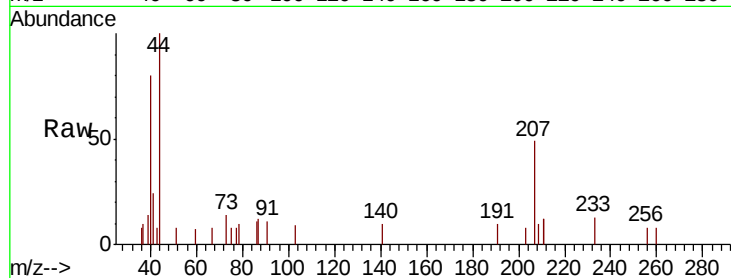




#79
 2-Chlorotoluene
 Concen: 66.074 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.10 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

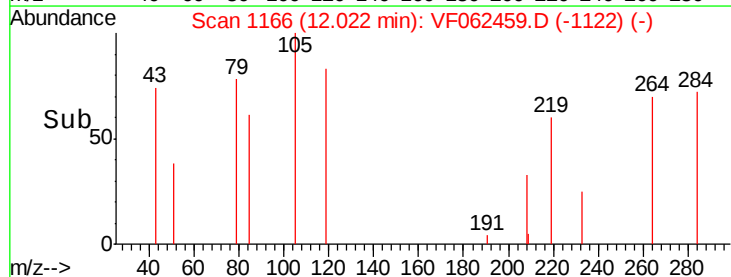
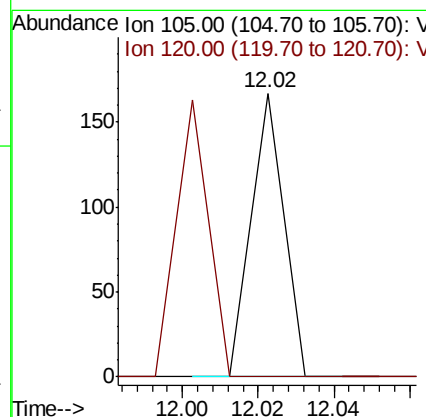
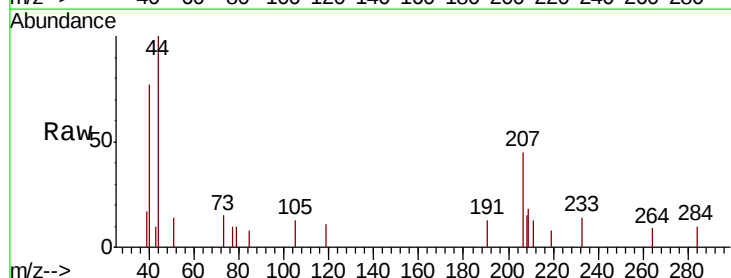
Instrument :
 MSVOA_F
 ClientSampleId :

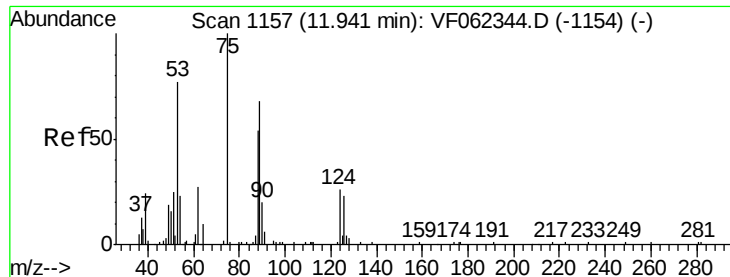
Tot Ion: 91 Resp: 153
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 32.292 ug/l
 RT: 12.02 min Scan# 1166
 Delta R.T. 0.13 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion: 105 Resp: 99
 Ion Ratio Lower Upper
 105 100
 120 97.0 24.6 74.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 1025.104 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampled :

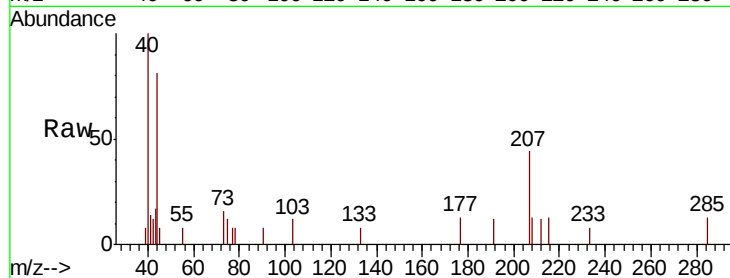
Tot Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

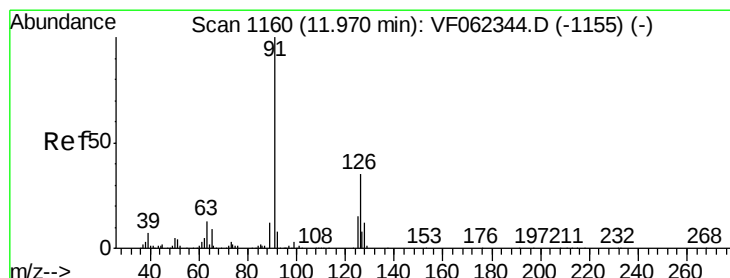
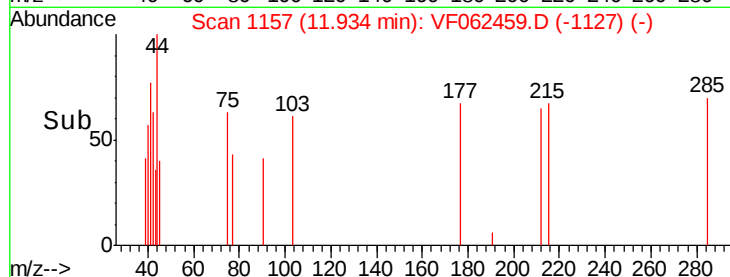
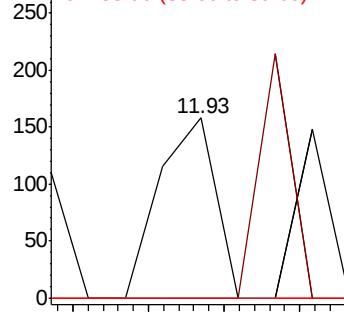
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 33.231 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.03 min

Lab File: VF062459.D

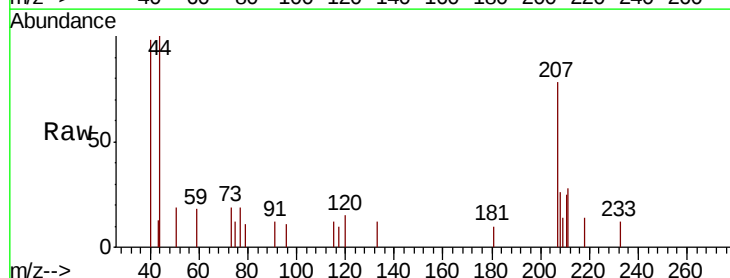
Acq: 11 May 2019 14:48

Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

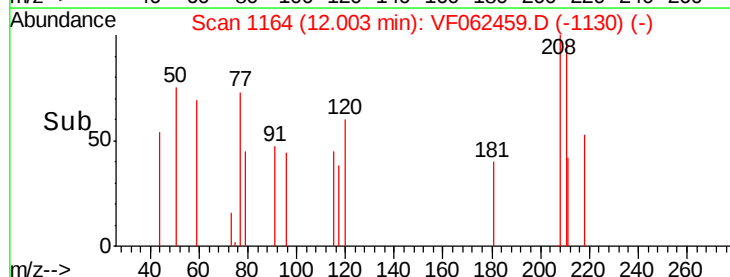
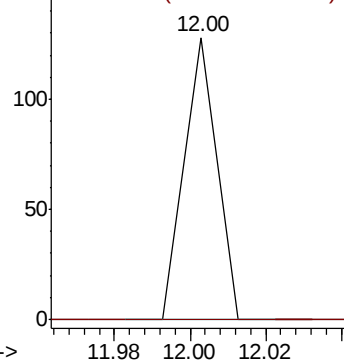
91 100

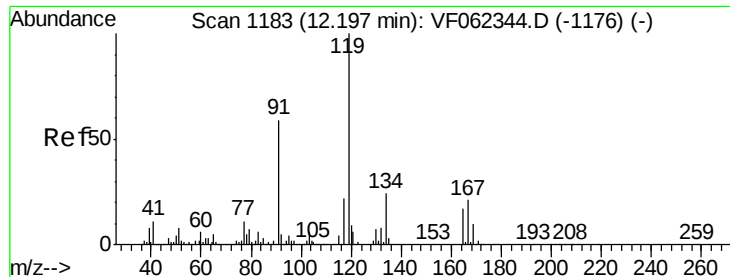
126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.622 ug/l

RT: 12.15 min Scan# 1179

Delta R.T. -0.05 min

Lab File: VF062459.D

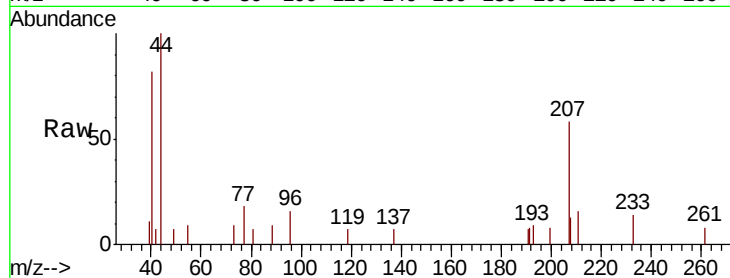
Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampled :

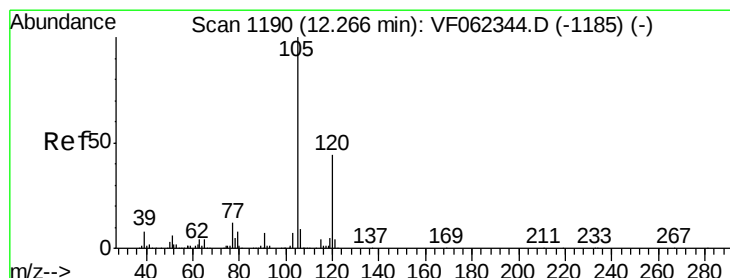
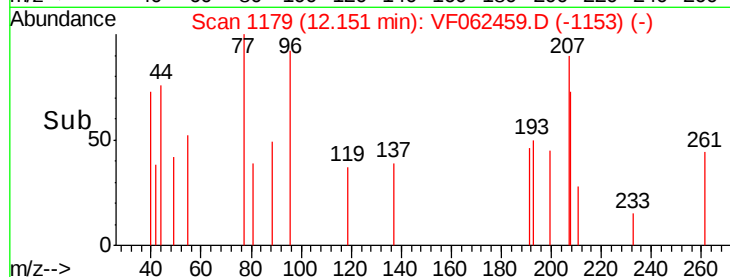
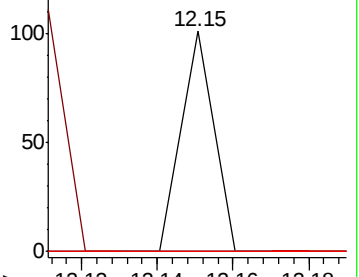
Tot Ion:	119	Resp:	60
Ion	Ratio	Lower	Upper
119	100		
91	0.0	30.4	91.3#
134	0.0	11.9	35.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.331 ug/l

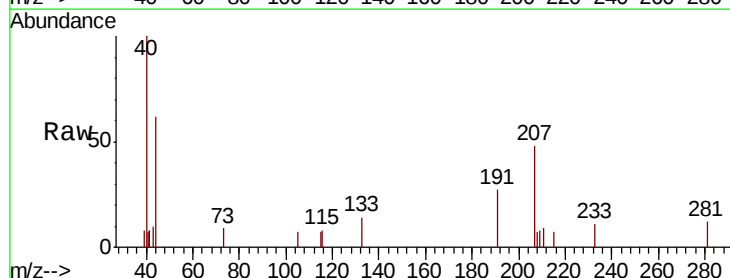
RT: 12.18 min Scan# 1182

Delta R.T. -0.09 min

Lab File: VF062459.D

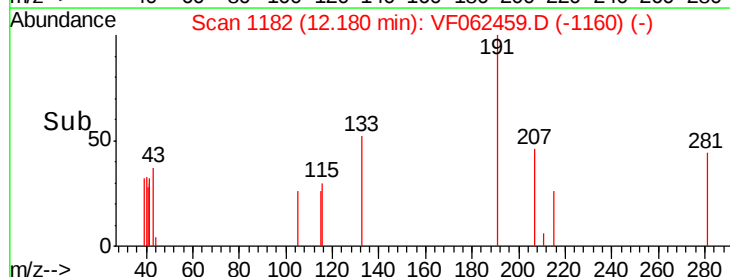
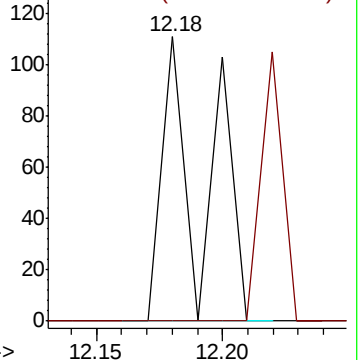
Acq: 11 May 2019 14:48

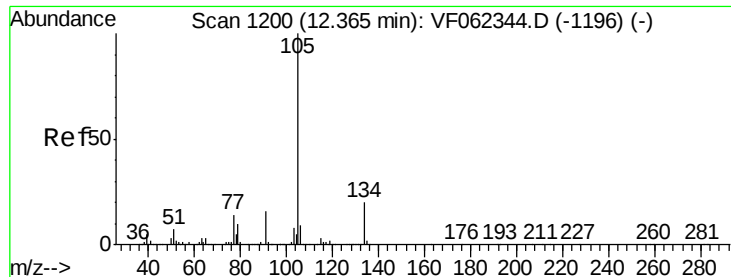
Tgt Ion:	105	Resp:	127
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.6	67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

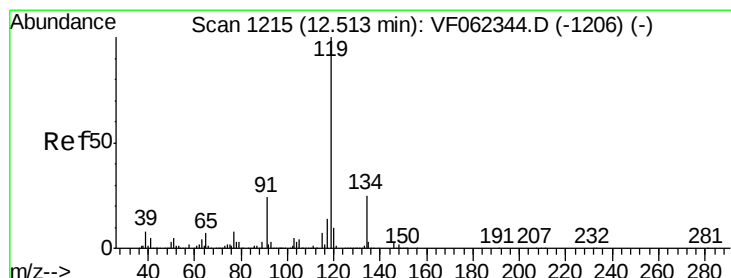
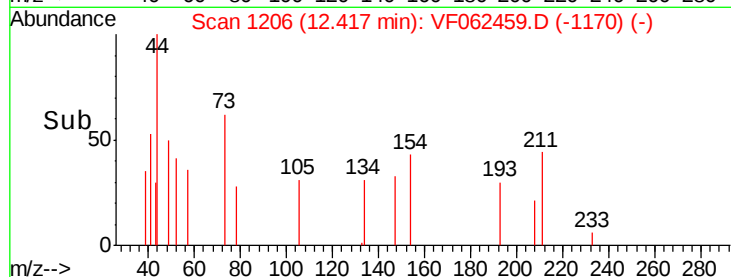
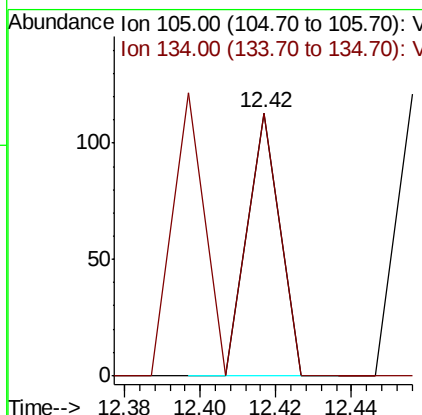
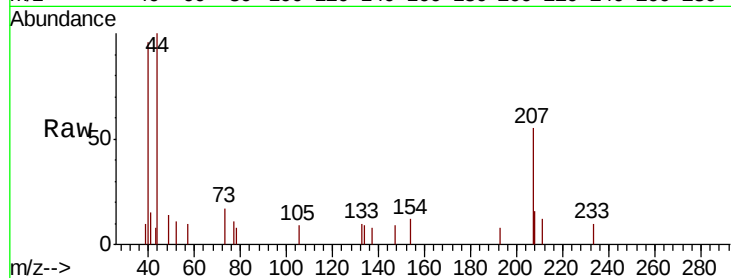




#85
 sec-Butylbenzene
 Concen: 17.084 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. 0.05 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

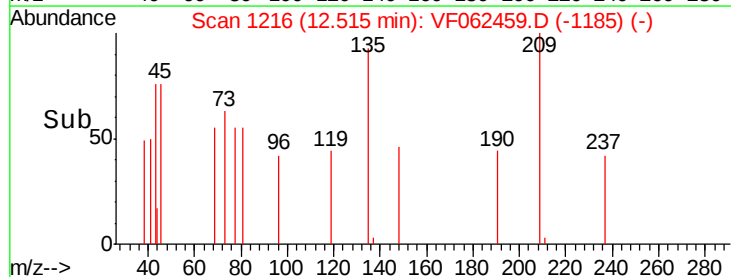
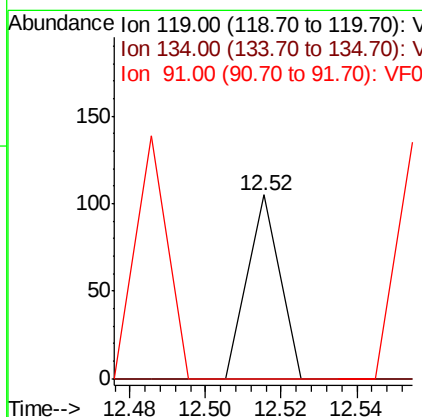
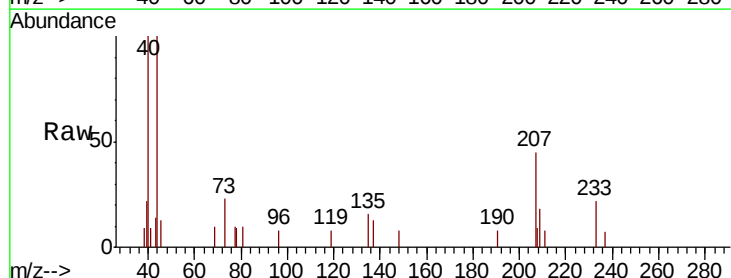
Instrument :
 MSVOA_F
 ClientSampled :

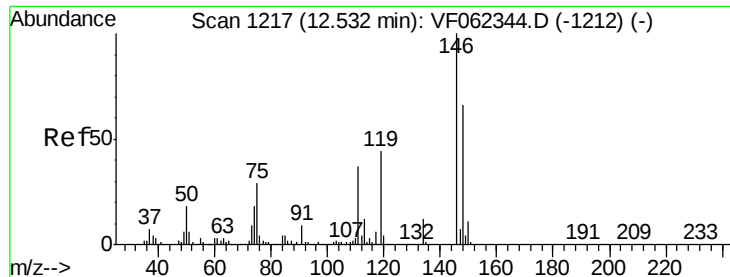
Tot Ion:105 Resp: 67
 Ion Ratio Lower Upper
 105 100
 134 207.5 9.8 29.5#



#86
 p-Isopropyltoluene
 Concen: 17.016 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion:119 Resp: 62
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 0.0 12.3 36.8#

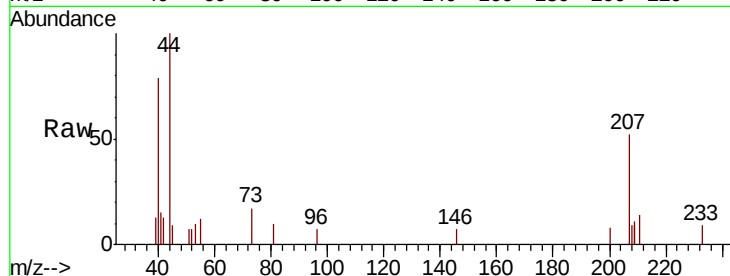




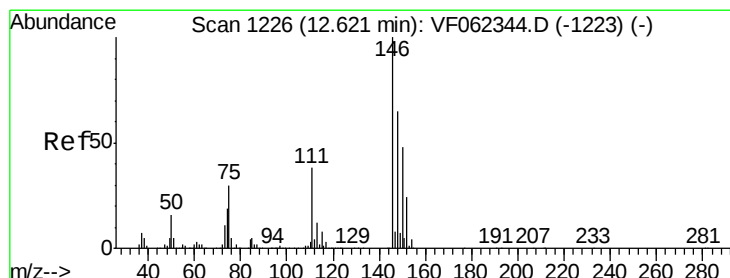
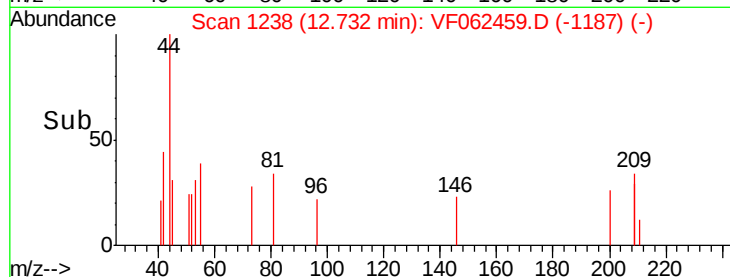
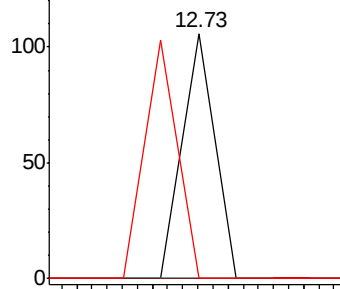
#87
 1,3-Dichlorobenzene
 Concen: 37.578 ug/l
 RT: 12.73 min Scan# 1238
 Delta R.T. 0.20 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.3	54.8#
148	96.8	32.3	96.9

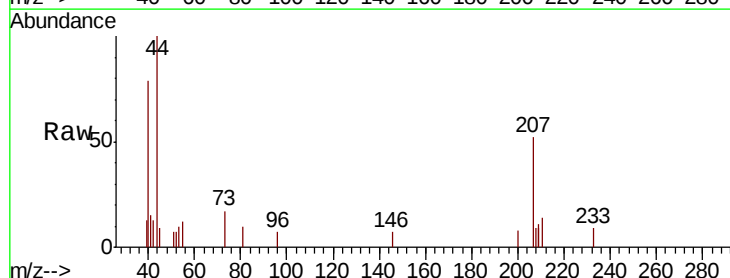


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

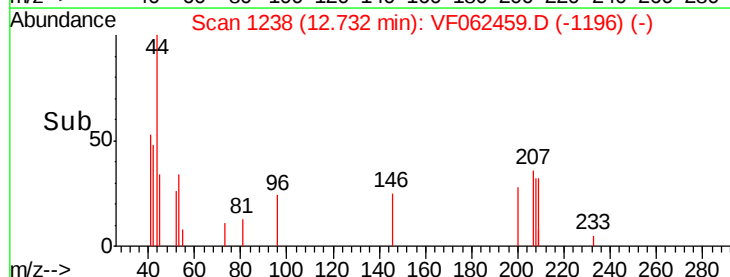
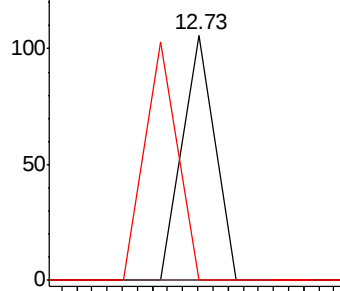


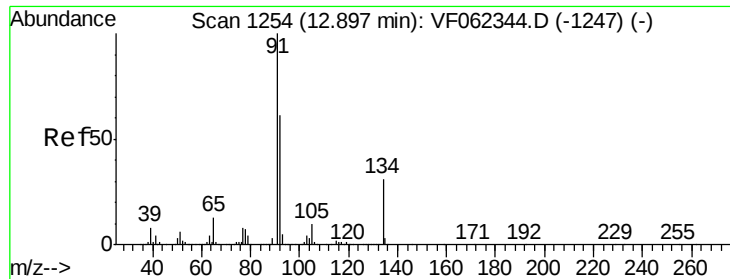
#88
 1,4-Dichlorobenzene
 Concen: 38.934 ug/l
 RT: 12.73 min Scan# 1238
 Delta R.T. 0.11 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.8	56.3#
148	96.8	32.2	96.6#



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.360 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. 0.05 min

Lab File: VF062459.D

Acq: 11 May 2019 14:48

Instrument :

MSVOA_F

ClientSampleId :

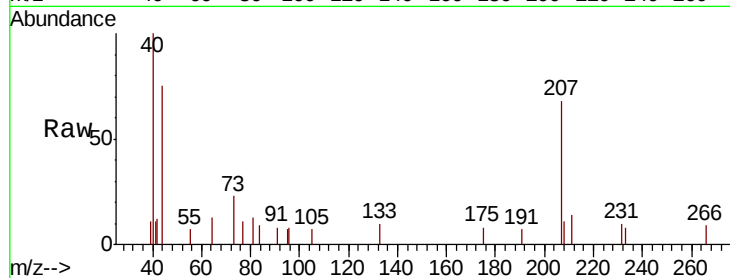
Tot Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

92 0.0 30.0 90.0#

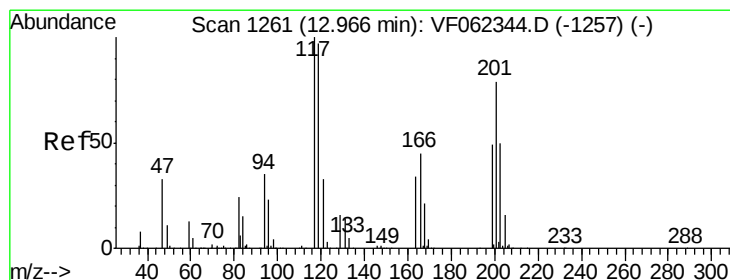
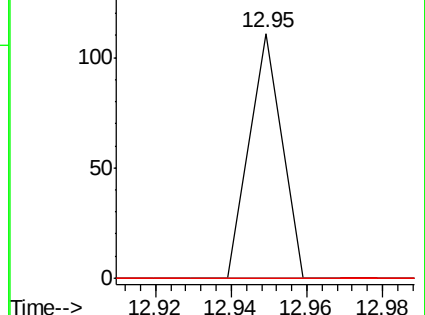
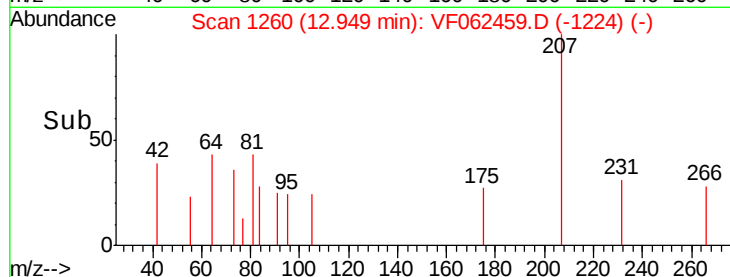
134 0.0 14.1 42.4#



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: 84.638 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.06 min

Lab File: VF062459.D

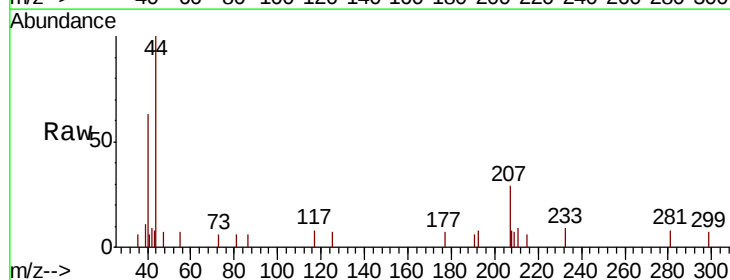
Acq: 11 May 2019 14:48

Tgt Ion: 117 Resp: 77

Ion Ratio Lower Upper

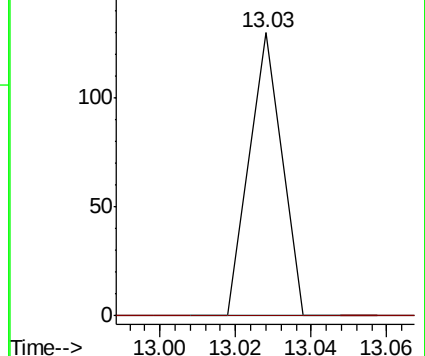
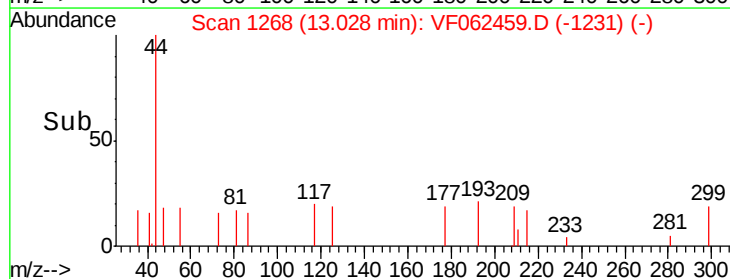
117 100

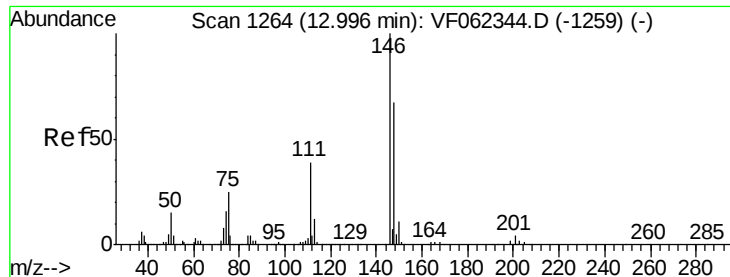
201 0.0 46.2 138.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

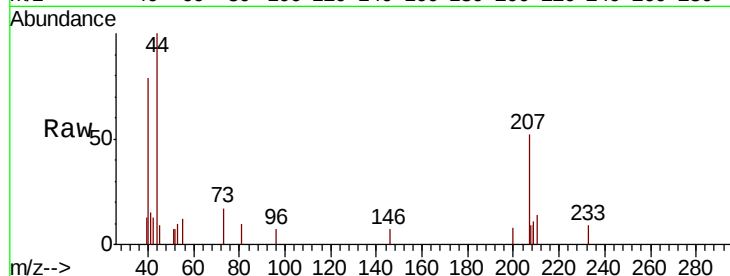




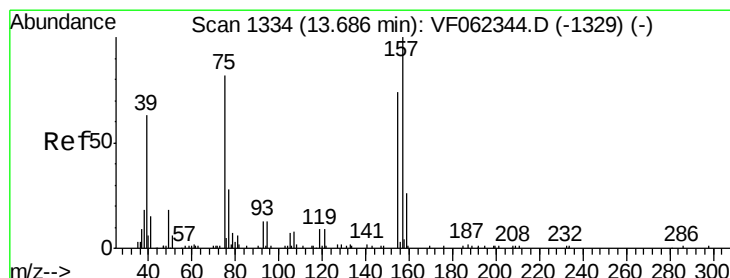
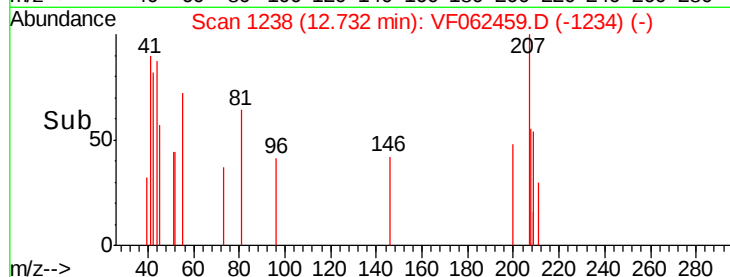
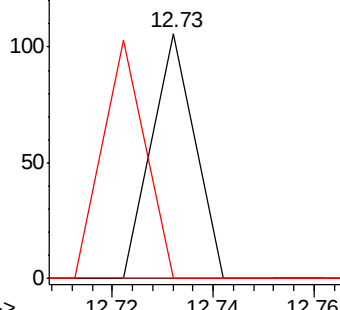
#91
 1,2-Dichlorobenzene
 Concen: 38.823 ug/l
 RT: 12.73 min Scan# 1238
 Delta R.T. -0.26 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	96.8	33.1	99.5

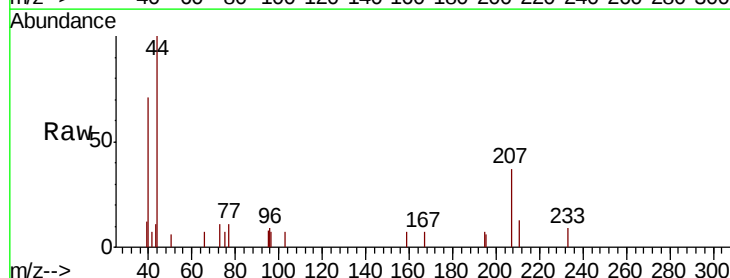


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

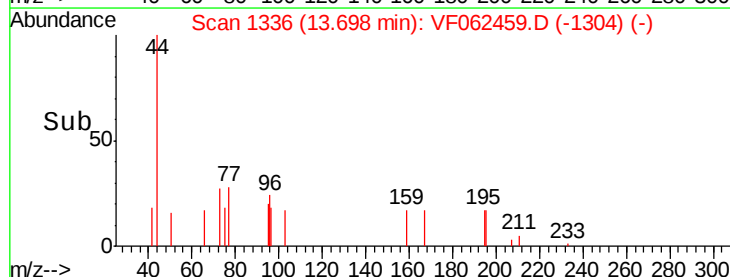
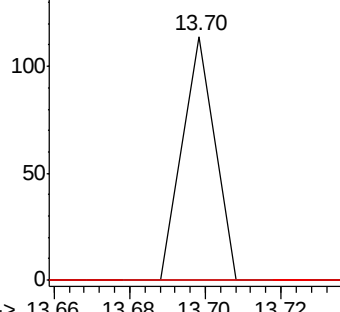


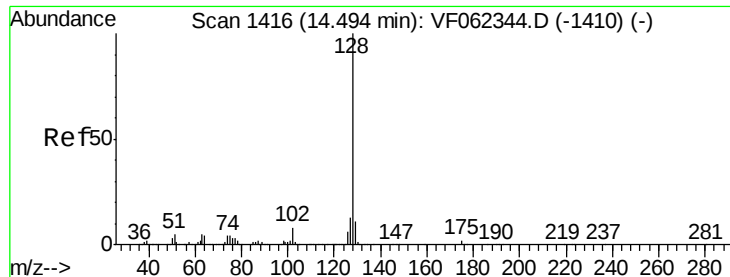
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 546.079 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062459.D
 Acq: 11 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.8	155.4#
157	0.0	67.3	201.8#



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 29.247 ug/l

RT: 14.43 min Scan# 1410

Delta R.T. -0.07 min

Lab File: VF062459.D

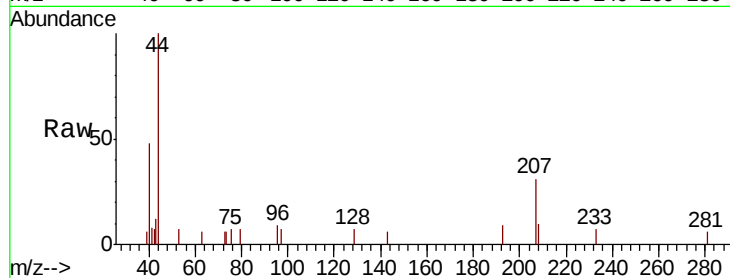
Acq: 11 May 2019 14:48

Instrument :

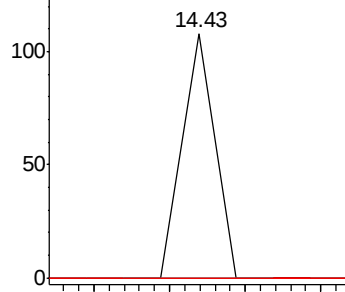
MSVOA_F

ClientSampled :

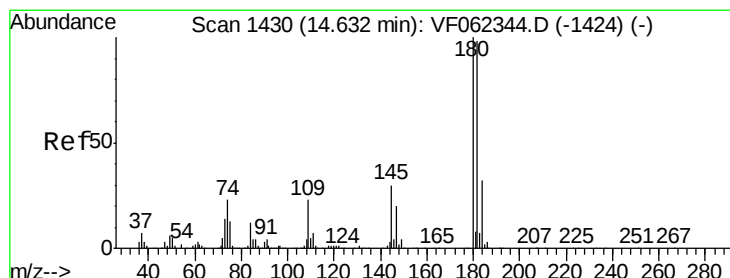
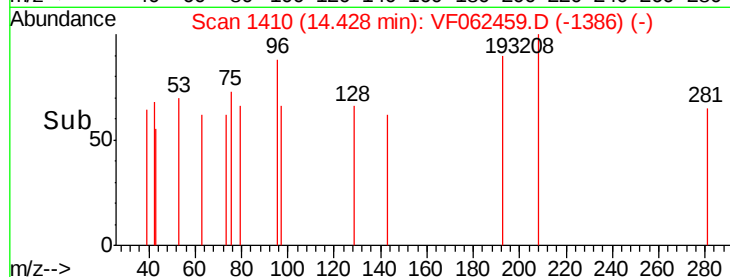
Tot Ion:128	Resp:	64	
Ion Ratio	Lower	Upper	
128 100			
127 0.0	10.5	15.7#	
129 0.0	8.6	12.8#	



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 51.769 ug/l

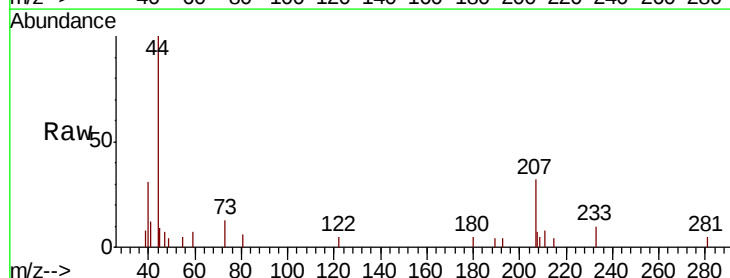
RT: 14.63 min Scan# 1431

Delta R.T. 0.00 min

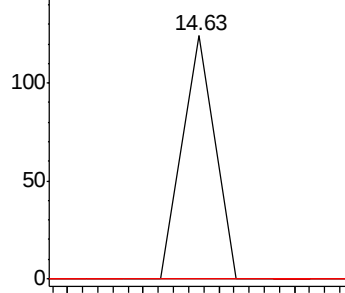
Lab File: VF062459.D

Acq: 11 May 2019 14:48

Tgt Ion:180	Resp:	73
Ion Ratio	Lower	Upper
180 100		
182 0.0	49.4	148.0#
145 0.0	14.8	44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

