

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062179.D
 Acq On : 16 Apr 2019 16:46
 Operator : FY/SY
 Sample : K2345-01RE
 Misc : 7.70u/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

Quant Time: Apr 17 08:06:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.78
63) Chlorobenzene-d5	9.92	117	404	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	83	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	132	98.38	ug/l	0.04
Spiked Amount						
			Recovery	=	196.76%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
50) Toluene-d8	7.70	98	230	0.00	ug/l	-0.02
Spiked Amount						
			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.49	95	673	0.00	ug/l	0.00
Spiked Amount						
			Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	334	152.784	ug/l #	41
3) Chloromethane	1.13	50	251	106.686	ug/l #	1
4) Vinyl Chloride	1.16	62	65	31.578	ug/l #	43
5) Bromomethane	1.30	94	287	216.820	ug/l #	84
6) Chloroethane	1.45	64	105	107.737	ug/l #	1
7) Trichlorofluoromethane	1.46	101	118	47.930	ug/l #	16
8) Diethyl Ether	1.76	74	140	281.708	ug/l #	63
9) 1,1,2-Trichlorotrifluoroet	1.93	101	75	46.644	ug/l #	21
10) Methyl Iodide	1.98	142	112	37.419	ug/l #	38
11) Tert butyl alcohol	2.66	59	67	900.867	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	231	141.260	ug/l #	1
13) Acrolein	2.13	56	745	12716.537	ug/l #	44
14) Allyl chloride	2.21	41	639	259.514	ug/l #	78
15) Acrylonitrile	3.11	53	719	2601.786	ug/l #	45
16) Acetone	2.39	43	684	2261.003	ug/l #	50
17) Carbon Disulfide	1.95	76	69	14.895	ug/l #	1
18) Methyl Acetate	2.44	43	621	Below Cal	#	90
19) Methyl tert-butyl Ether	2.54	73	178	65.440	ug/l #	1
20) Methylene Chloride	2.30	84	438	334.776	ug/l #	29
21) trans-1,2-Dichloroethene	2.42	96	256	163.620	ug/l #	12
22) Diisopropyl ether	2.90	45	348	76.032	ug/l #	1
23) Vinyl Acetate	3.36	43	876	383.691	ug/l #	79
24) 1,1-Dichloroethane	3.04	63	263	103.186	ug/l #	86
25) 2-Butanone	4.52	43	453	697.087	ug/l #	57
26) 2,2-Dichloropropane	3.75	77	458	341.636	ug/l #	49
27) cis-1,2-Dichloroethene	3.64	96	856	412.156	ug/l #	1
28) Bromochloromethane	3.84	49	63	51.618	ug/l #	14
29) Tetrahydrofuran	4.26	42	218	754.240	ug/l #	1
30) Chloroform	3.98	83	302	95.305	ug/l #	93
31) Cyclohexane	3.89	56	291	88.372	ug/l #	16
32) 1,1,1-Trichloroethane	4.28	97	83	38.413	ug/l #	21
65) Chlorobenzene	9.94	112	178	21.180	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.04	131	64	18.446	ug/l #	4
67) Ethyl Benzene	10.02	91	576	36.973	ug/l #	44

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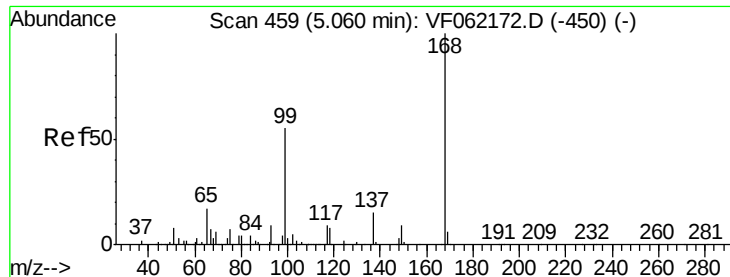
Instrument :
 MSVOA_F
 ClientSampleId :
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Quant Time: Apr 17 08:06:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

68) m/p-Xylenes	10.15	106	82	14.299	ug/l #	22
69) o-Xylene	10.94	106	75	12.079	ug/l	86
70) Styrene	10.92	104	63	6.977	ug/l #	15
73) Isopropylbenzene	11.24	105	1012	141.529	ug/l #	49
74) N-amyl acetate	11.46	43	464	305.713	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.81	83	156	122.472	ug/l #	75
76) 1,2,3-Trichloropropane	11.87	75	292	338.027	ug/l #	1
78) n-propylbenzene	11.67	91	587	72.222	ug/l #	52
79) 2-Chlorotoluene	11.90	91	491	102.485	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	475	79.649	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.95	75	72	166.654	ug/l #	1
82) 4-Chlorotoluene	11.90	91	491	104.579	ug/l	98
83) tert-Butylbenzene	12.22	119	484	81.732	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.24	105	554	95.721	ug/l #	28
85) sec-Butylbenzene	12.36	105	581	74.613	ug/l #	59
86) p-Isopropyltoluene	12.53	119	141	21.255	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	95	34.917	ug/l #	23
88) 1,4-Dichlorobenzene	12.56	146	95	35.813	ug/l #	23
89) n-Butylbenzene	12.91	91	418	72.741	ug/l #	26
90) Hexachloroethane	12.99	117	166	102.156	ug/l #	13
91) 1,2-Dichlorobenzene	12.99	146	123	47.108	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.68	75	82	357.434	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.23	180	62	31.617	ug/l #	11
95) Naphthalene	14.48	128	509	148.570	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.58	180	66	36.125	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

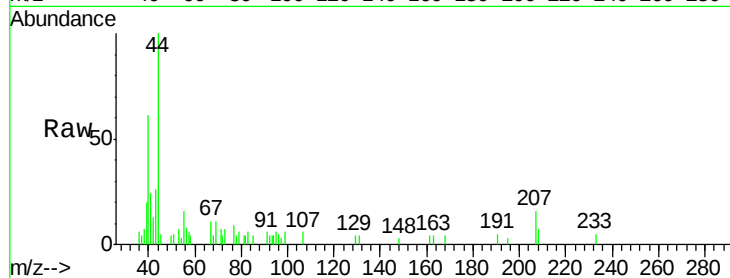
TP-1RE

Tot Ion:168 Resp: 149

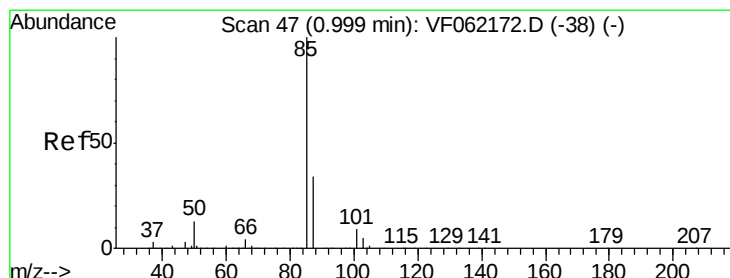
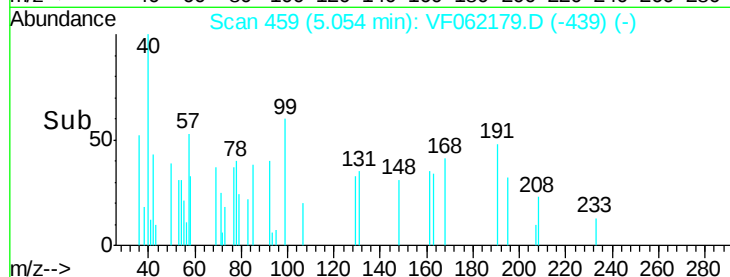
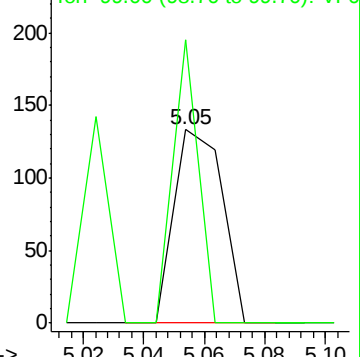
Ion Ratio Lower Upper

168 100

99 146.6 44.2 66.4#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 152.784 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF062179.D

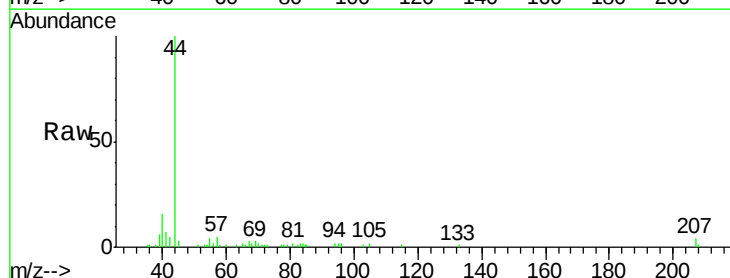
Acq: 16 Apr 2019 16:46

Tgt Ion: 85 Resp: 334

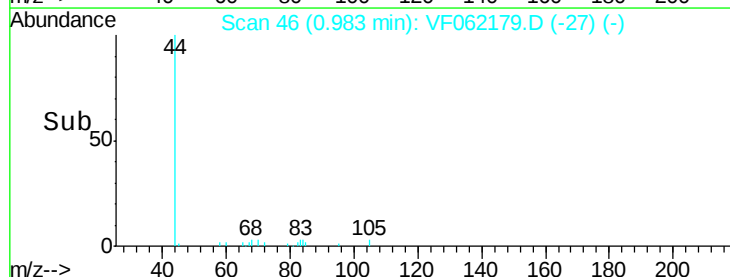
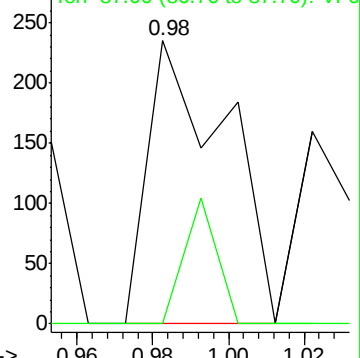
Ion Ratio Lower Upper

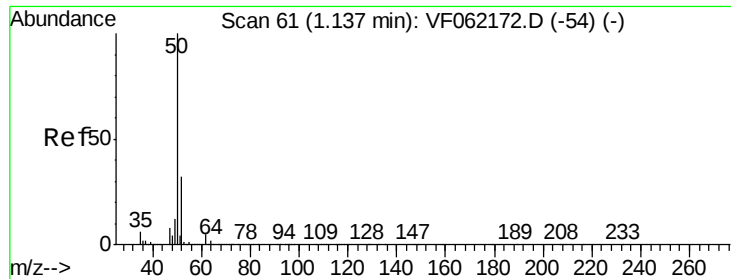
85 100

87 0.0 16.9 50.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 106.686 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

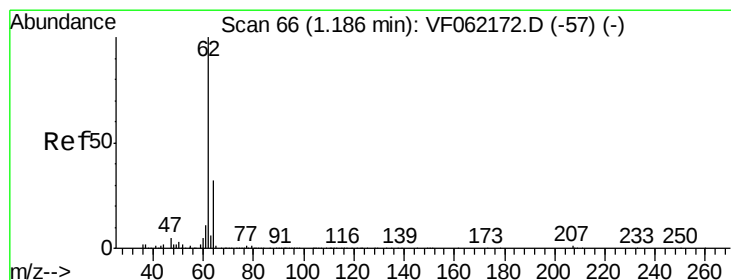
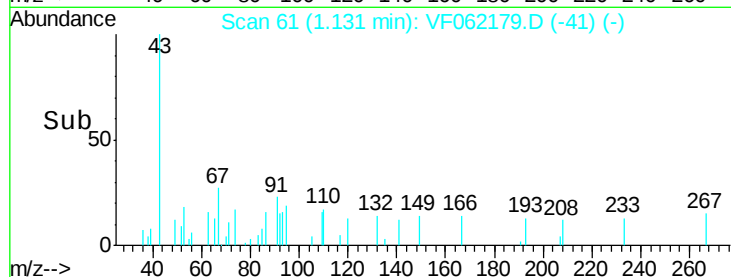
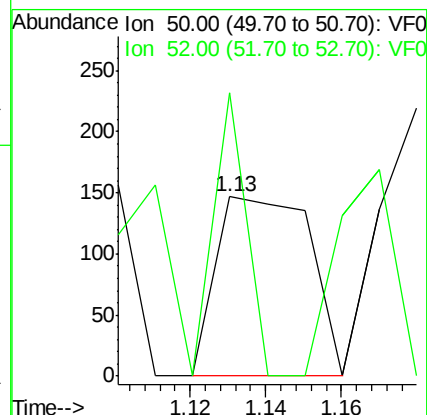
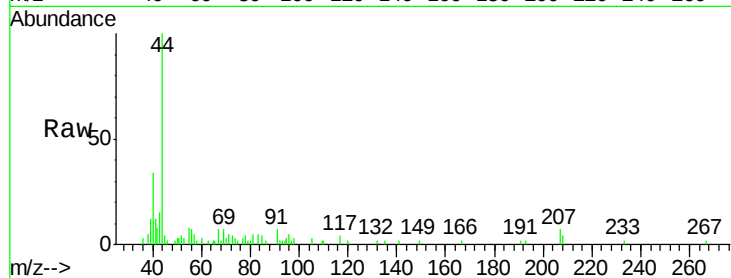
TP-1RE

Tot Ion: 50 Resp: 251

Ion Ratio Lower Upper

50 100

52 257.8 25.4 38.2#



#4

Vinyl Chloride

Concen: 31.578 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.03 min

Lab File: VF062179.D

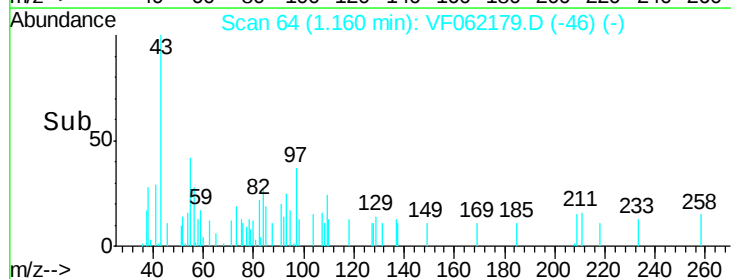
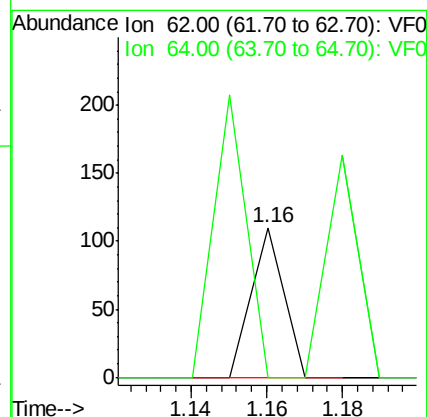
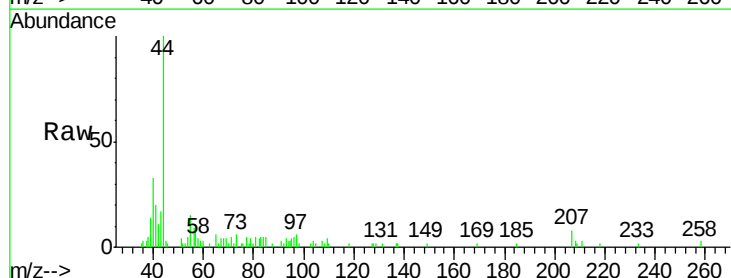
Acq: 16 Apr 2019 16:46

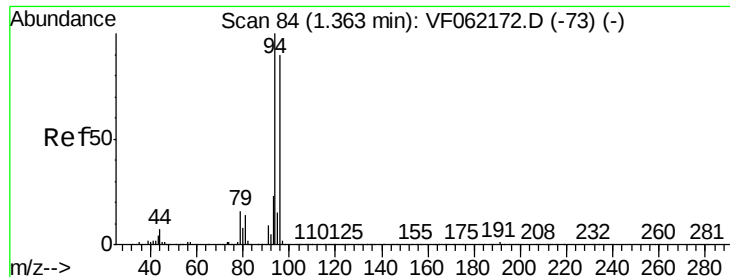
Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#





#5

Bromomethane

Concen: 216.820 ug/l

RT: 1.30 min Scan# 78

Delta R.T. -0.07 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

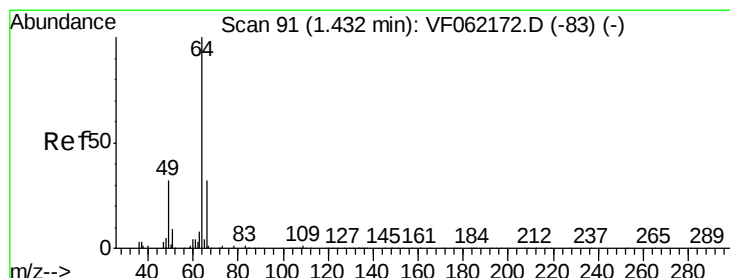
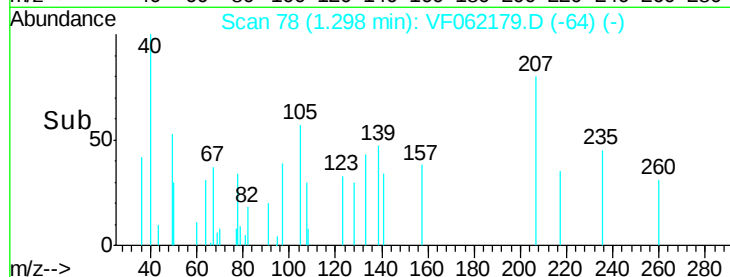
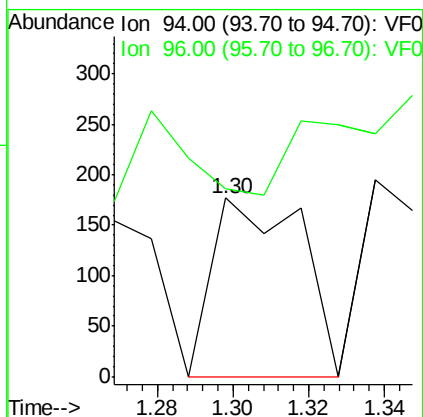
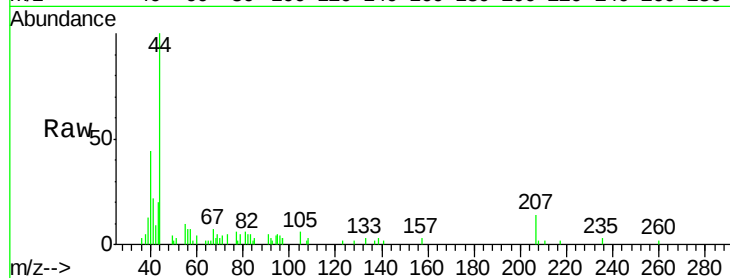
TP-1RE

Tot Ion: 94 Resp: 287

Ion Ratio Lower Upper

94 100

96 105.1 72.3 108.5



#6

Chloroethane

Concen: 107.737 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062179.D

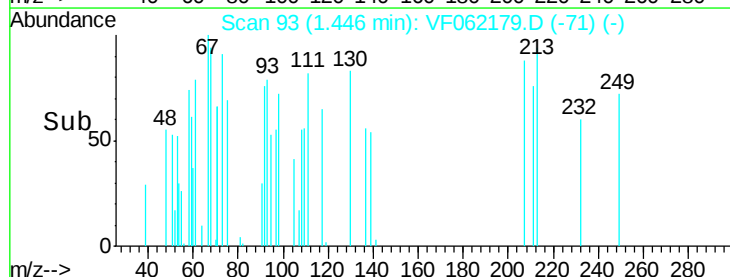
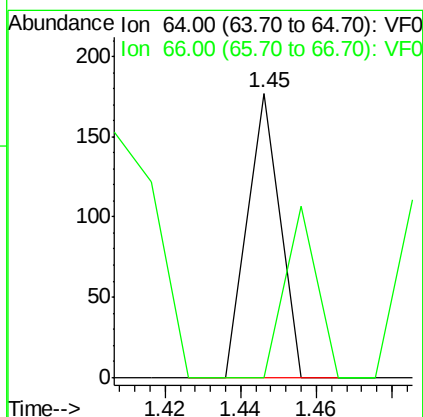
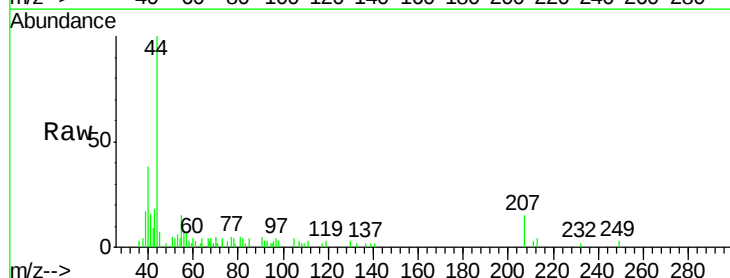
Acq: 16 Apr 2019 16:46

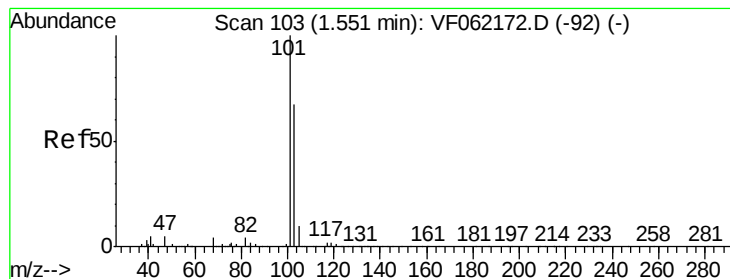
Tgt Ion: 64 Resp: 105

Ion Ratio Lower Upper

64 100

66 105.6 25.7 38.5#



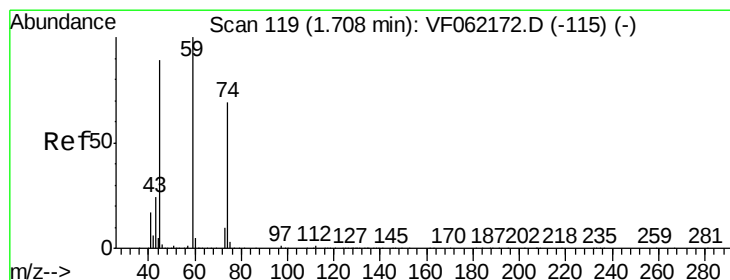
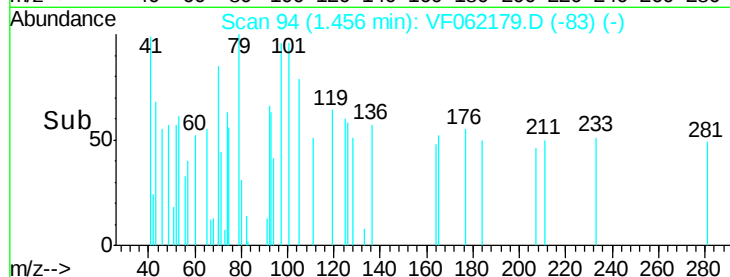
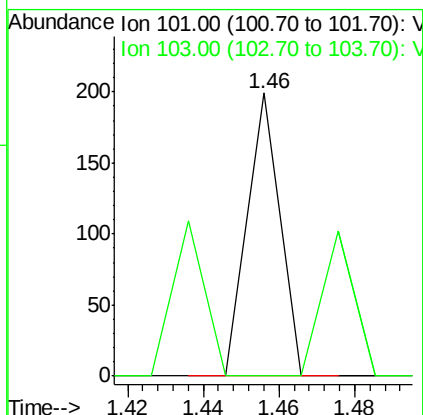
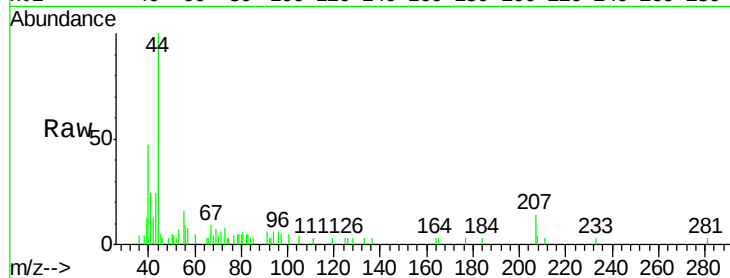


#7

Trichlorofluoromethane
 Concen: 47.930 ug/l
 RT: 1.46 min Scan# 94
 Delta R.T. -0.09 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

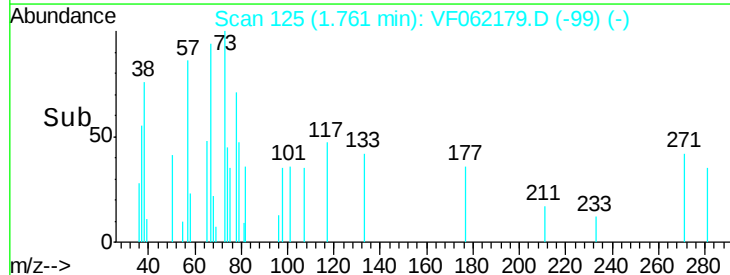
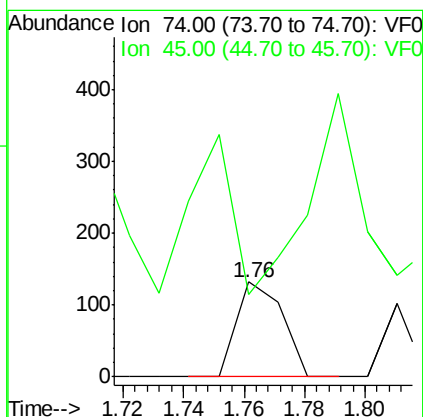
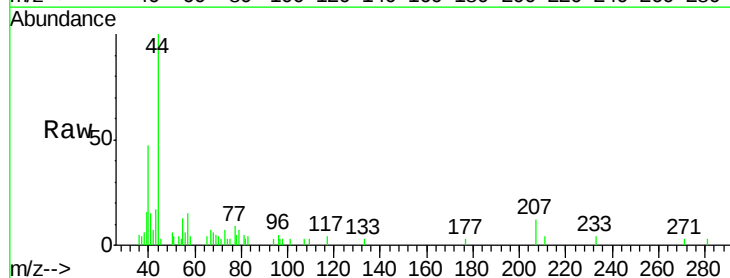
Tot Ion:101 Resp: 118
 Ion Ratio Lower Upper
 101 100
 103 0.0 53.7 80.5#

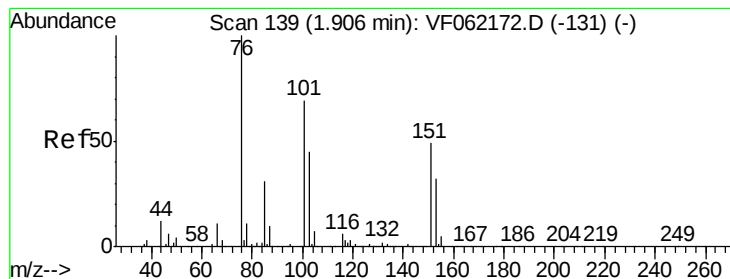


#8

Diethyl Ether
 Concen: 281.708 ug/l
 RT: 1.76 min Scan# 125
 Delta R.T. 0.05 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion: 74 Resp: 140
 Ion Ratio Lower Upper
 74 100
 45 86.4 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.644 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TP-1RE

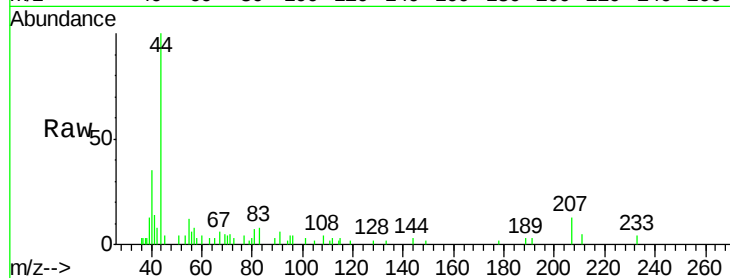
Tot Ion:101 Resp: 75

Ion Ratio Lower Upper

101 100

85 0.0 35.2 52.8#

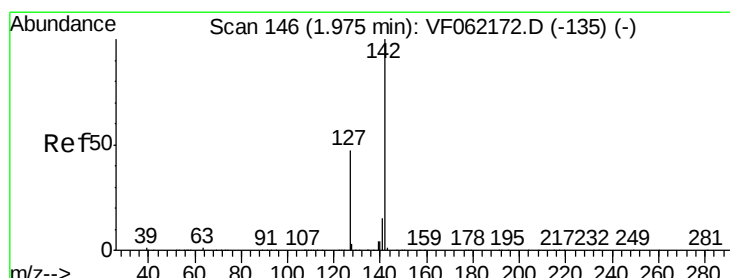
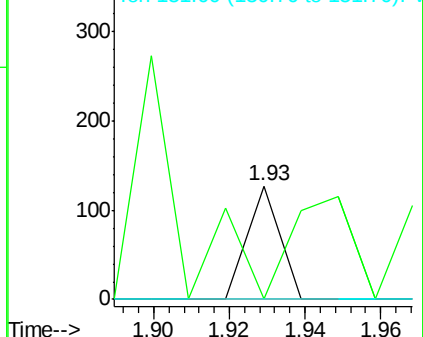
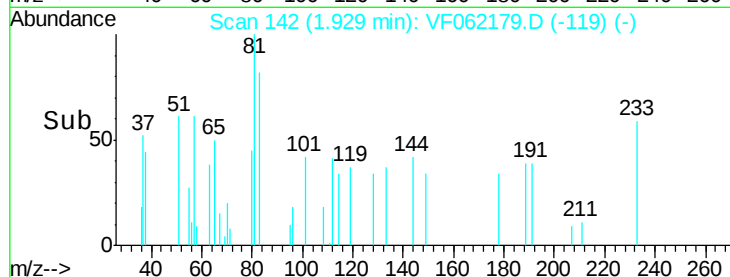
151 0.0 56.6 85.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 37.419 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

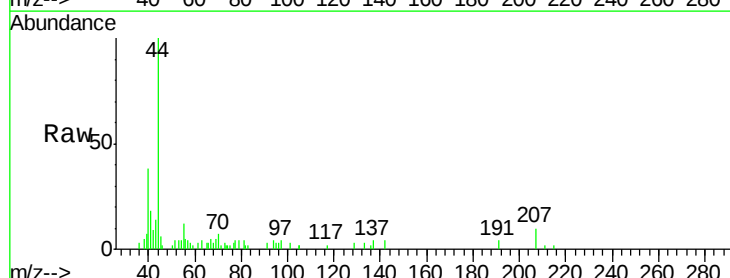
Tgt Ion:142 Resp: 112

Ion Ratio Lower Upper

142 100

127 0.0 37.8 56.6#

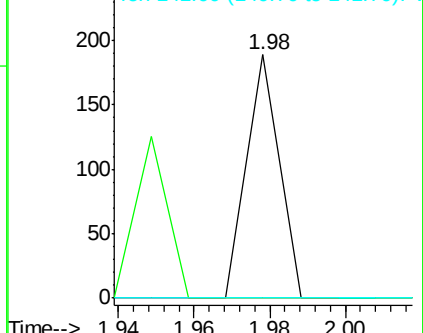
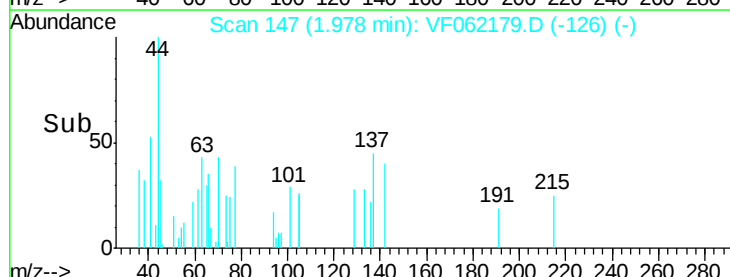
141 0.0 12.1 18.1#

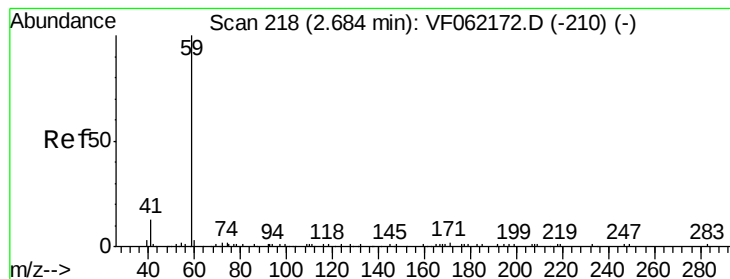


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



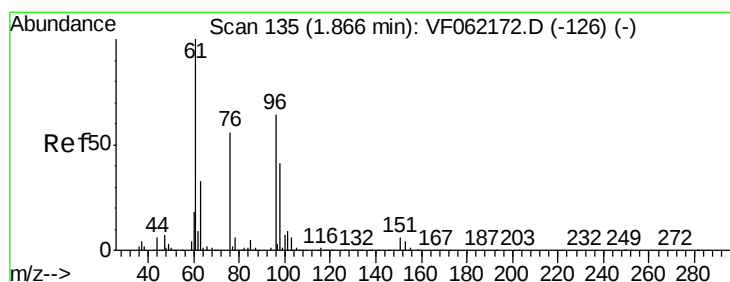
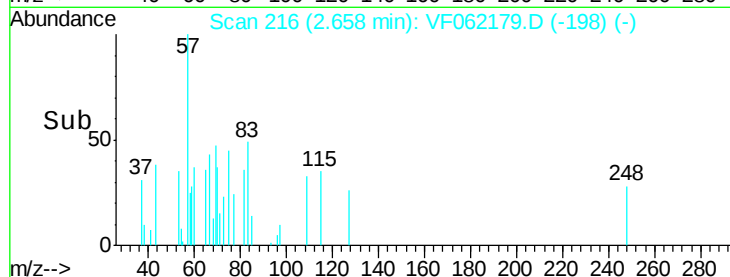
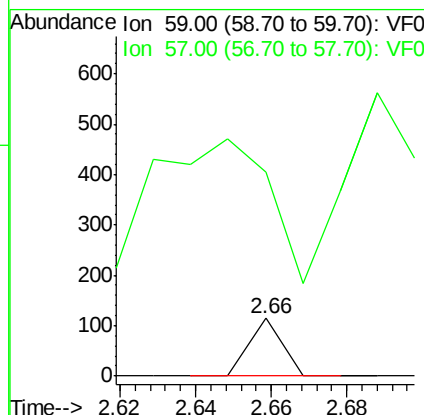
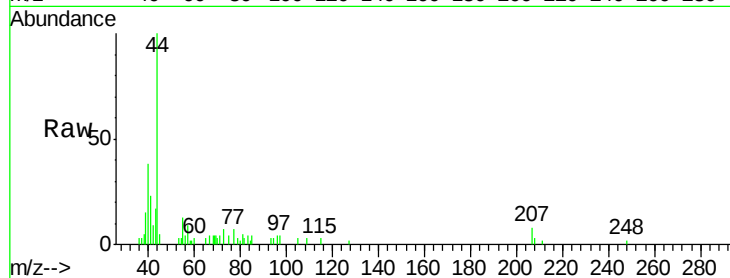


#11

Tert butyl alcohol
 Concen: 900.867 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.03 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Instrument :
 MSVOA_F
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 TP-1RE

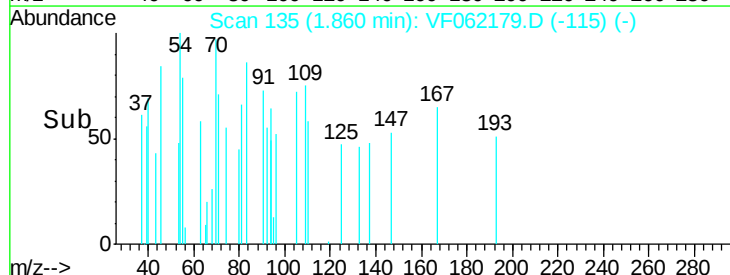
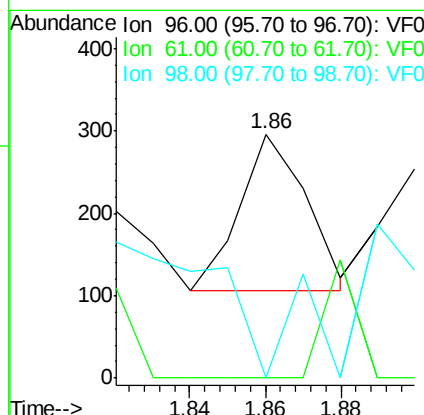
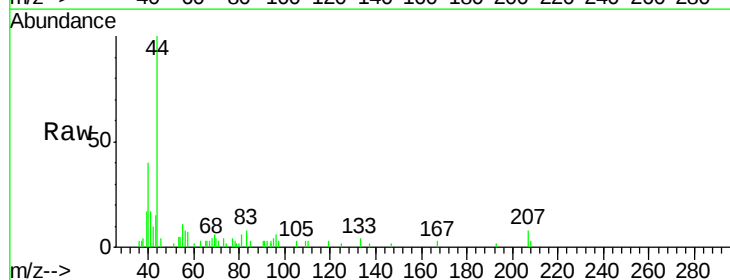
Tot Ion: 59 Resp: 67
 Ion Ratio Lower Upper
 59 100
 57 355.3 14.2 21.4#

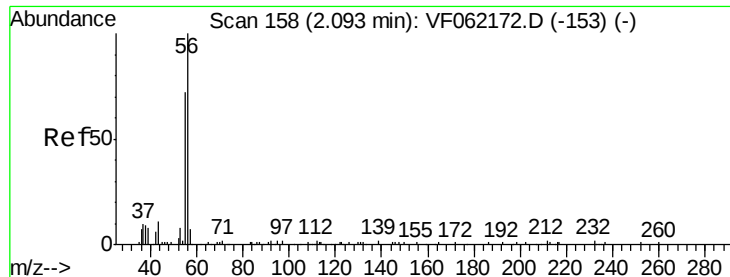


#12

1,1-Dichloroethene
 Concen: 141.260 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion: 96 Resp: 231
 Ion Ratio Lower Upper
 96 100
 61 0.0 124.6 187.0#
 98 0.0 51.5 77.3#

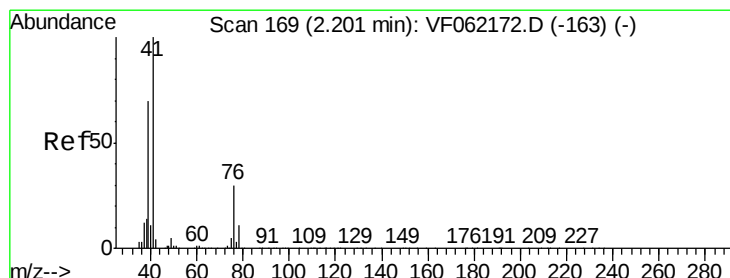
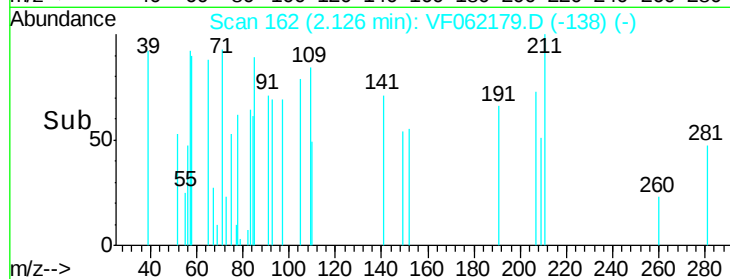
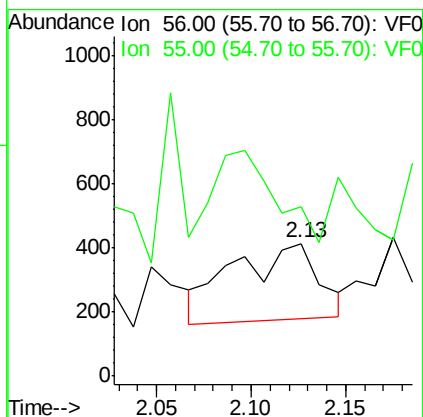
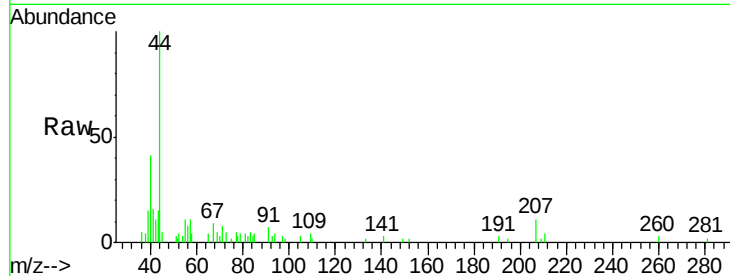




#13
Acrolein
Concen: 12716.537 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.03 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

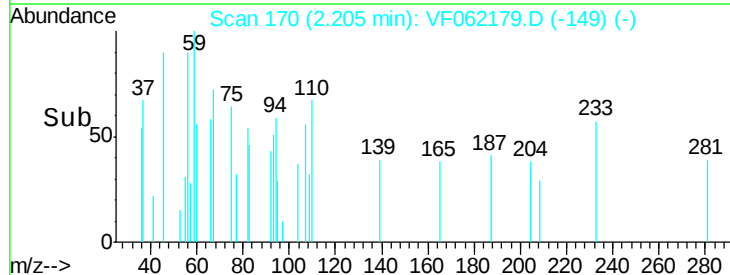
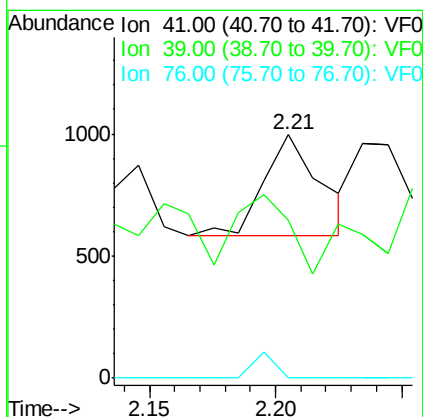
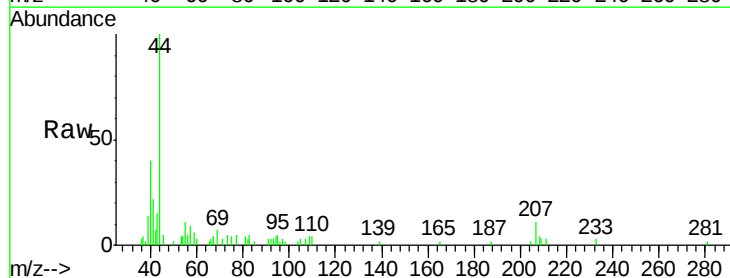
Instrument :
MSVOA_F
ClientSampleId :
TP-1RE

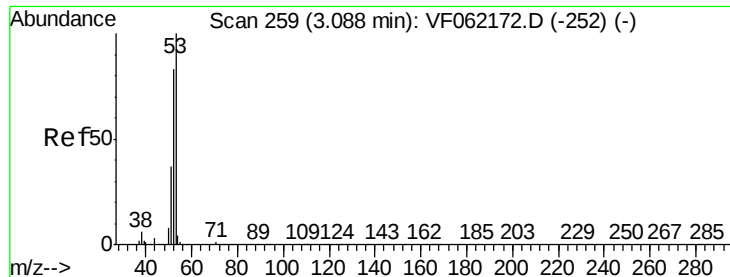
Tot Ion: 56 Resp: 745
Ion Ratio Lower Upper
56 100
55 127.5 62.9 94.3#



#14
Allyl chloride
Concen: 259.514 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Tgt Ion: 41 Resp: 639
Ion Ratio Lower Upper
41 100
39 64.6 56.1 84.1
76 0.0 24.9 37.3#





#15

Acrylonitrile

Concen: 2601.786 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleID :

TP-1RE

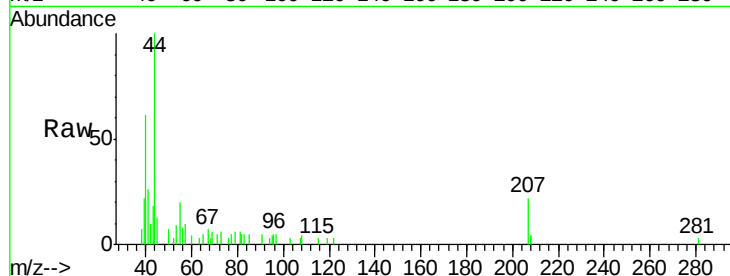
Tot Ion: 53 Resp: 719

Ion Ratio Lower Upper

53 100

52 36.6 66.6 99.8#

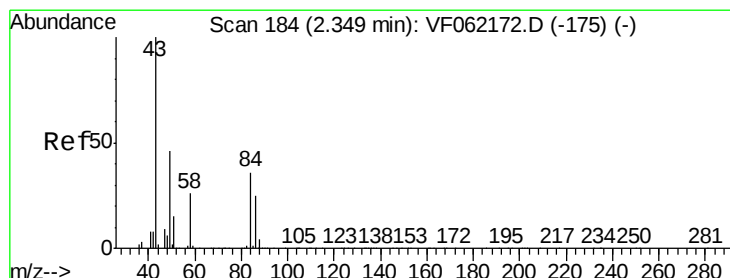
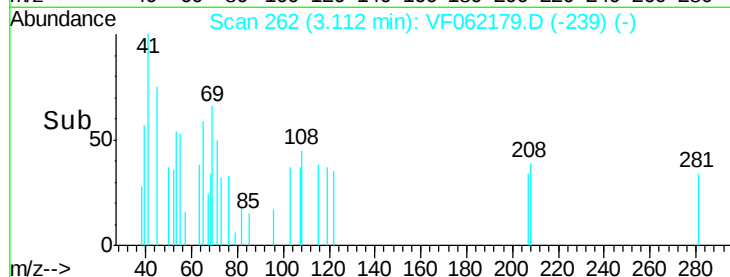
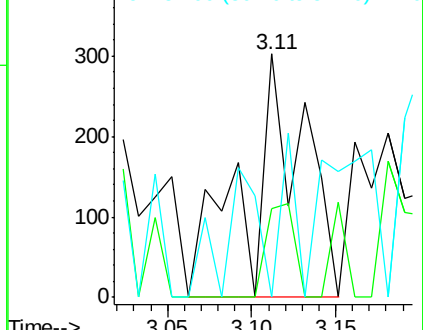
51 0.0 30.1 45.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 2261.003 ug/l

RT: 2.39 min Scan# 189

Delta R.T. 0.04 min

Lab File: VF062179.D

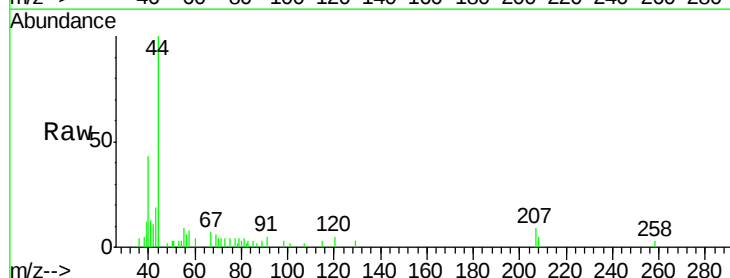
Acq: 16 Apr 2019 16:46

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

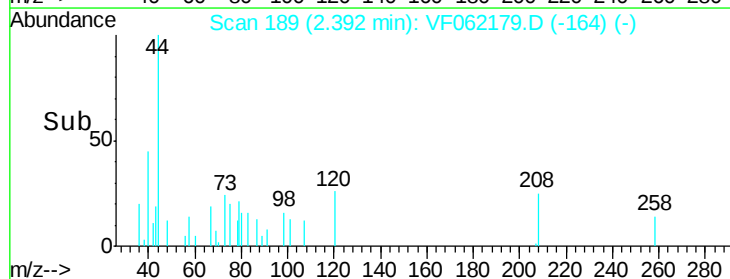
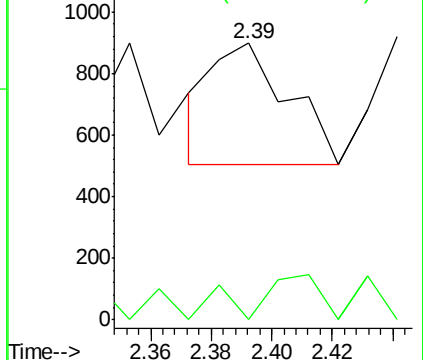
43 100

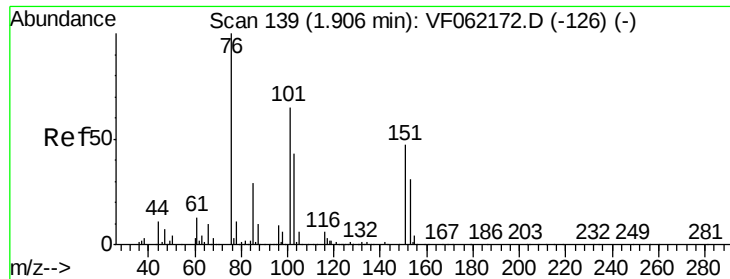
58 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

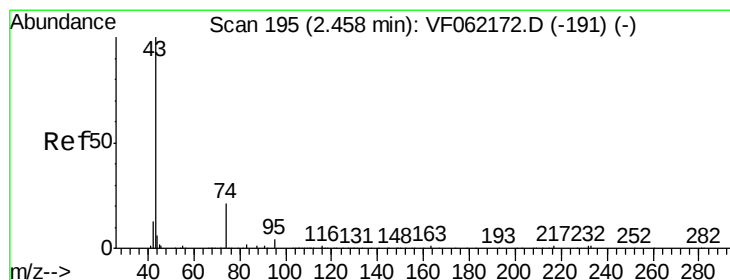
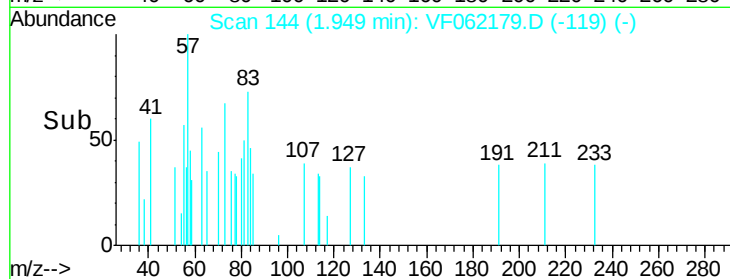
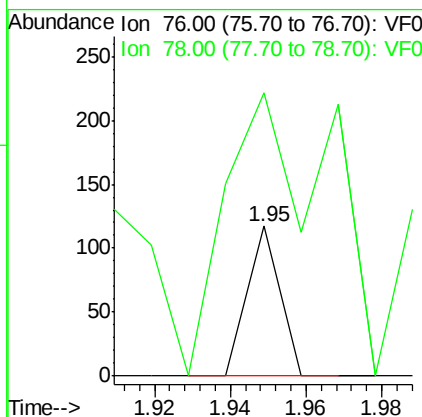
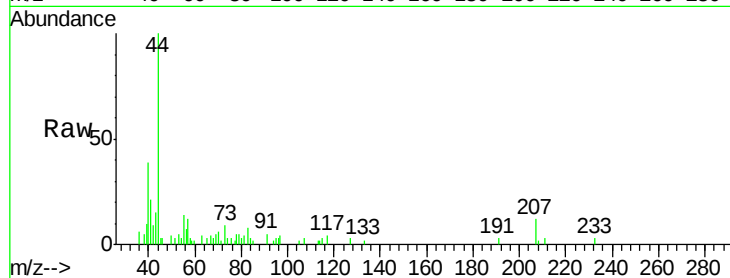




#17
Carbon Disulfide
Concen: 14.895 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.04 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

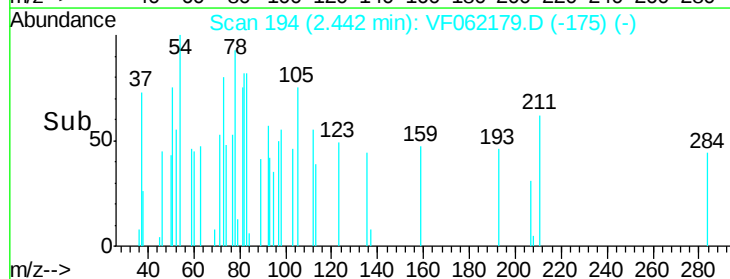
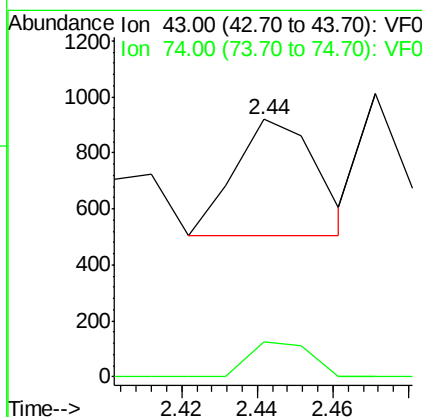
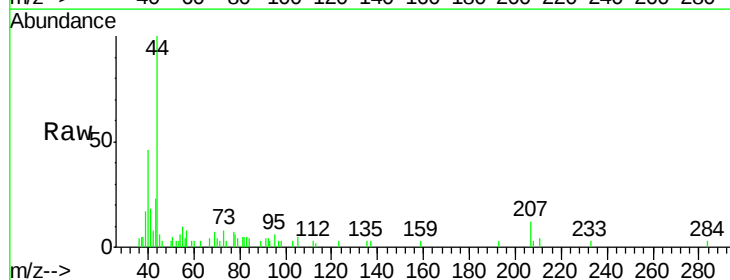
Instrument :
MSVOA_F
ClientSampleId :
TP-1RE

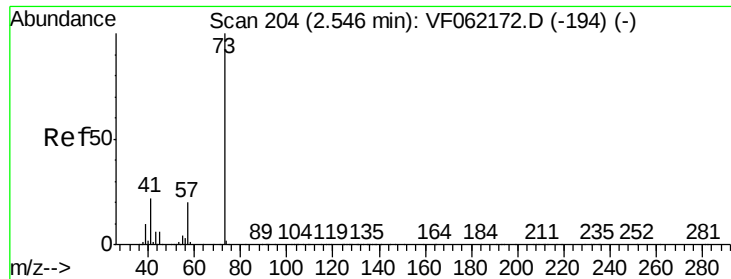
Tot Ion: 76 Resp: 69
Ion Ratio Lower Upper
76 100
78 189.7 9.1 13.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
74 13.5 14.2 21.4#



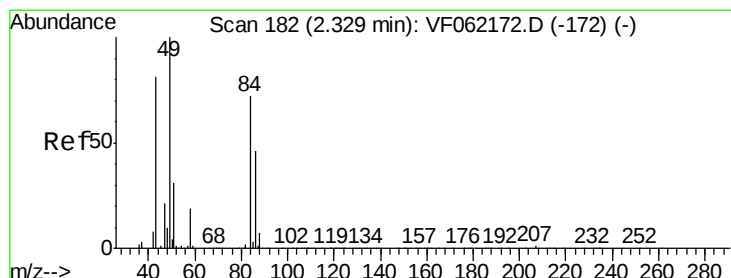
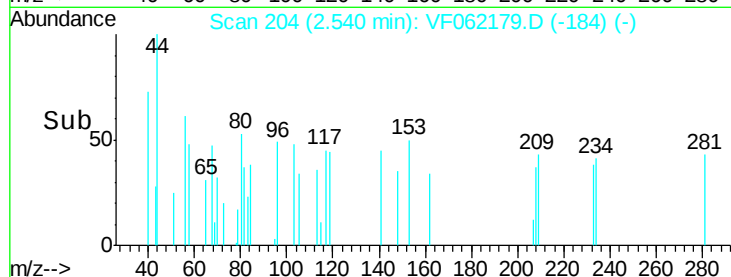
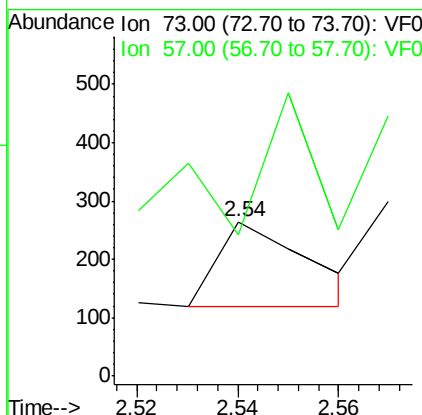
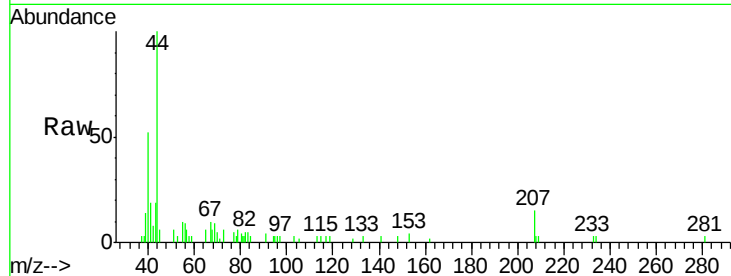


#19

Methyl tert-butyl Ether
 Concen: 65.440 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

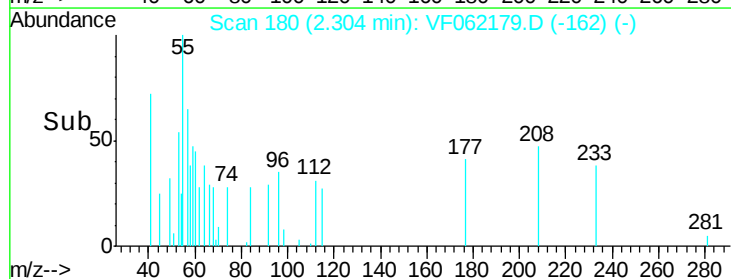
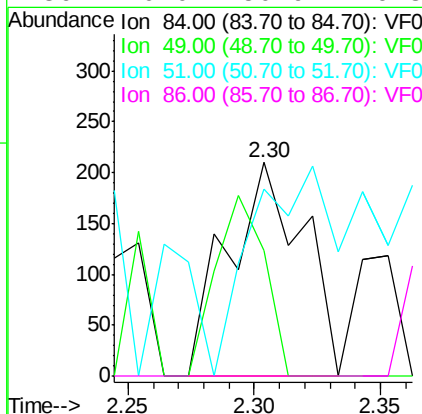
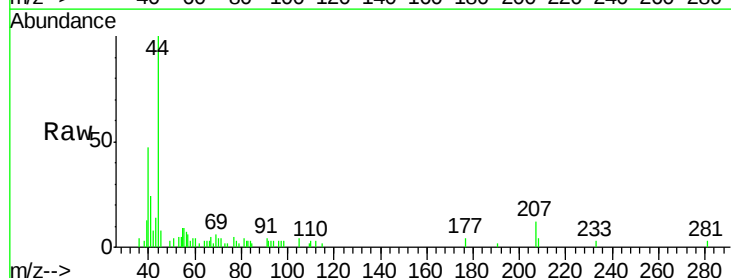
Tot Ion: 73 Resp: 178
 Ion Ratio Lower Upper
 73 100
 57 91.7 16.8 25.2#

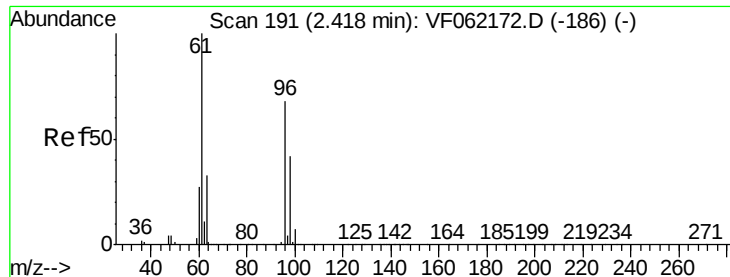


#20

Methylene Chloride
 Concen: 334.776 ug/l
 RT: 2.30 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion: 84 Resp: 438
 Ion Ratio Lower Upper
 84 100
 49 59.0 111.5 167.3#
 51 87.6 34.9 52.3#
 86 0.0 50.9 76.3#





#21

trans-1,2-Dichloroethene

Concen: 163.620 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TP-1RE

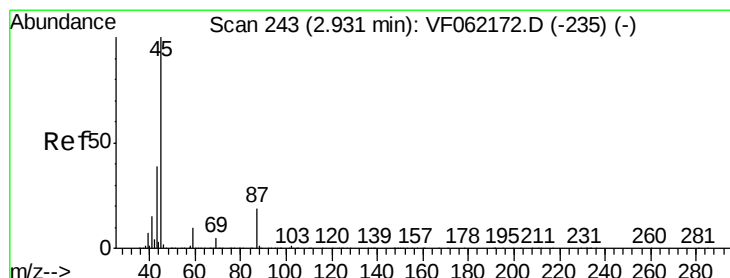
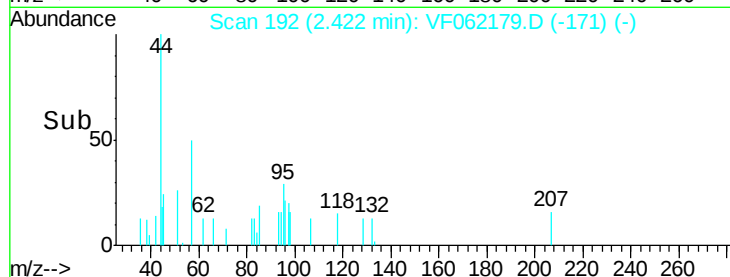
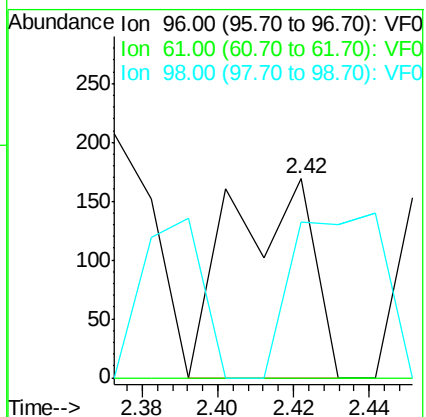
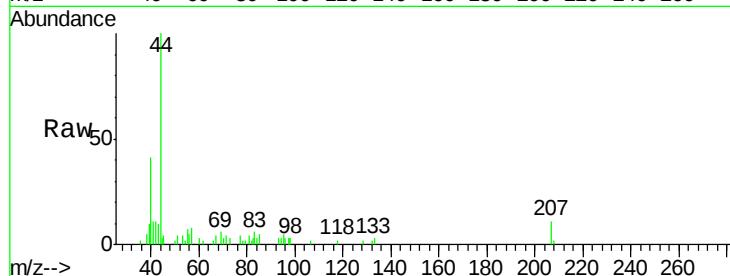
Tot Ion: 96 Resp: 256

Ion Ratio Lower Upper

96 100

61 0.0 117.4 176.2#

98 78.1 49.8 74.8#



#22

Diisopropyl ether

Concen: 76.032 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.03 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Tgt Ion: 45 Resp: 348

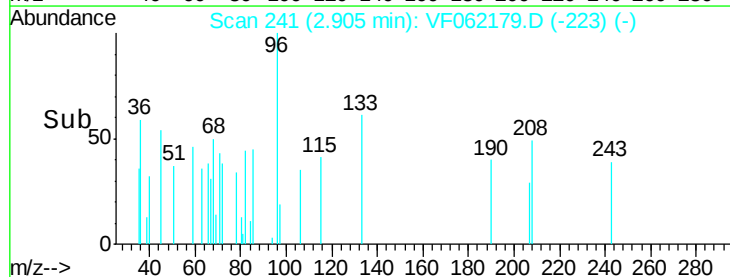
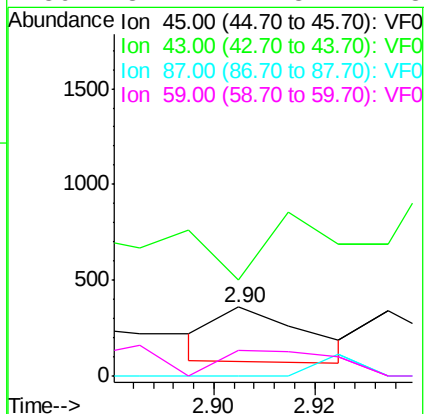
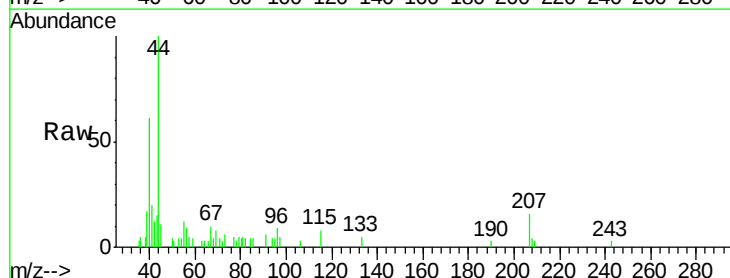
Ion Ratio Lower Upper

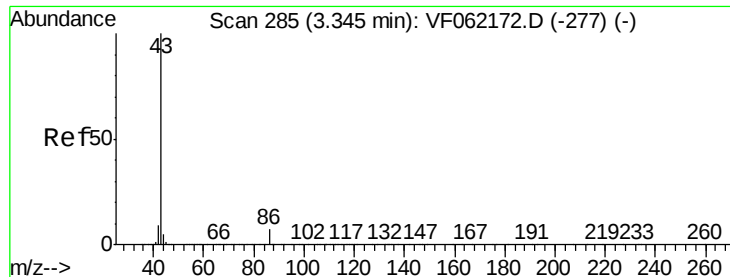
45 100

43 139.7 32.5 48.7#

87 0.0 14.9 22.3#

59 37.7 7.8 11.8#





#23

Vinyl Acetate

Concen: 383.691 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

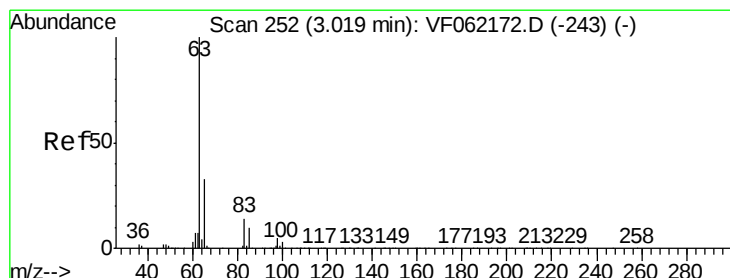
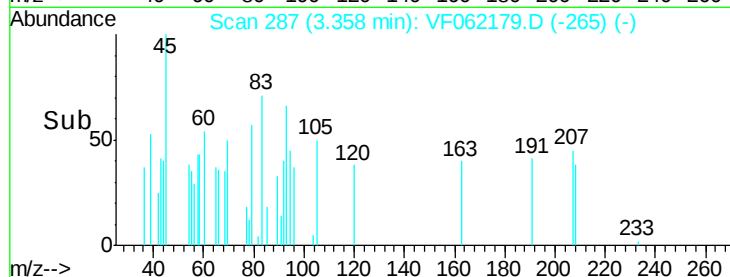
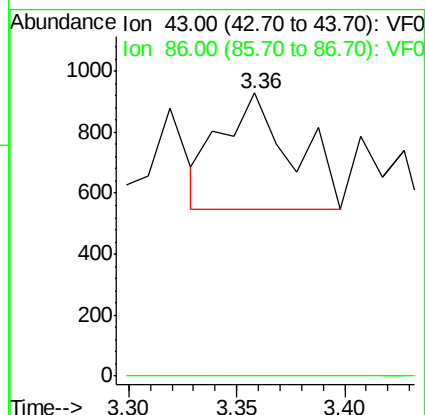
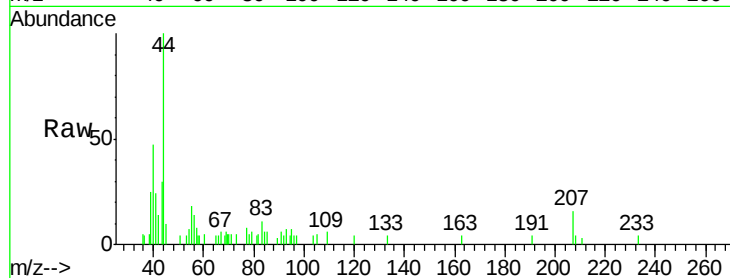
TP-1RE

Tot Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



#24

1,1-Dichloroethane

Concen: 103.186 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.02 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

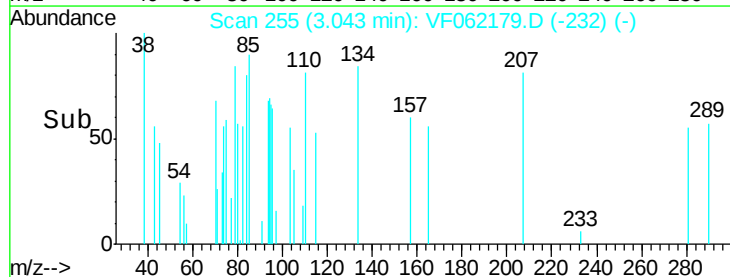
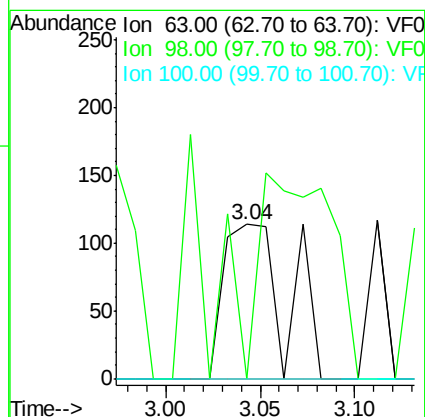
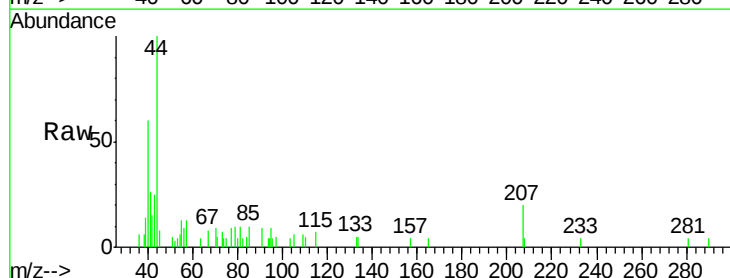
Tgt Ion: 63 Resp: 263

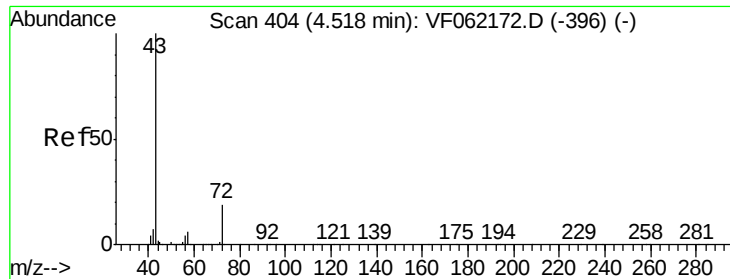
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 697.087 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

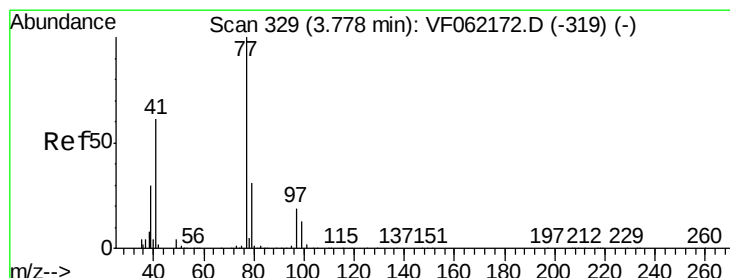
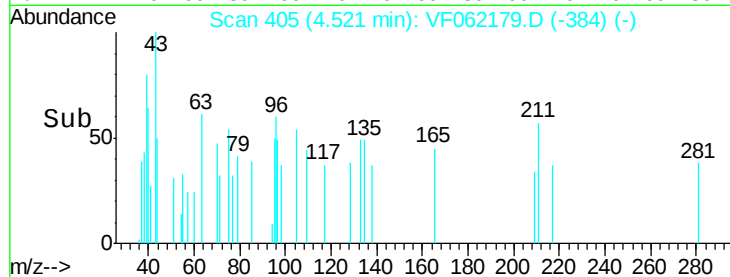
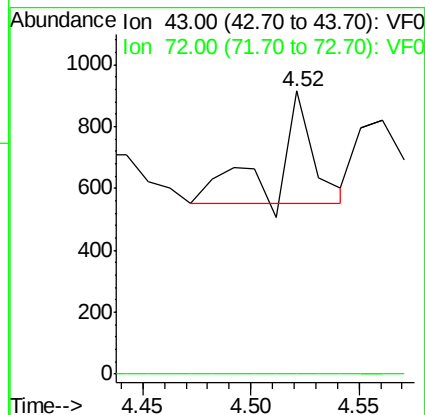
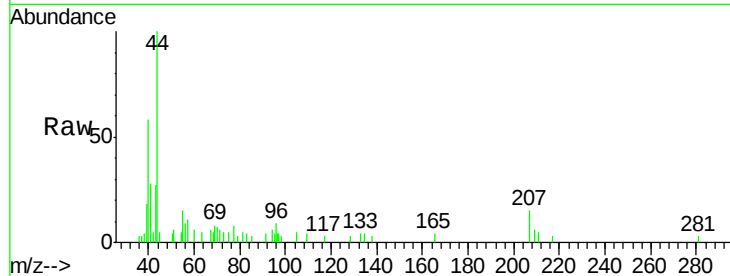
Instrument :
MSVOA_F
ClientSampled :
TP-1RE

Tot Ion: 43 Resp: 453

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#26

2,2-Dichloropropane

Concen: 341.636 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF062179.D

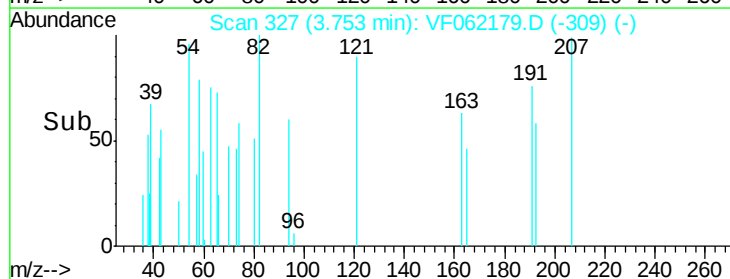
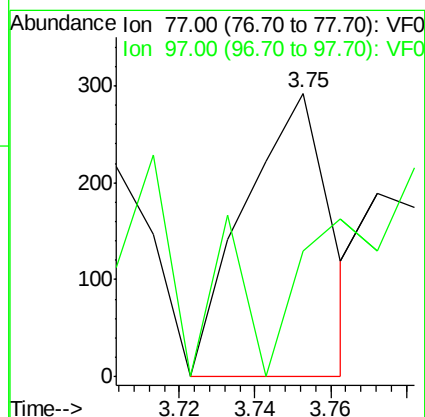
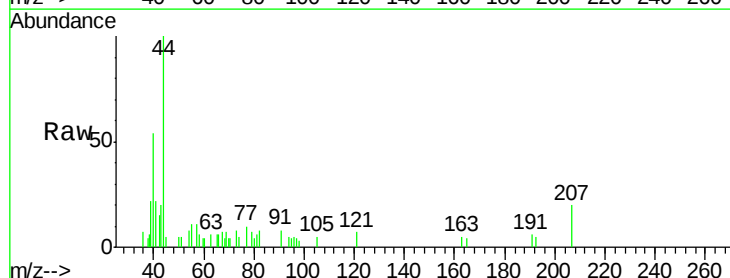
Acq: 16 Apr 2019 16:46

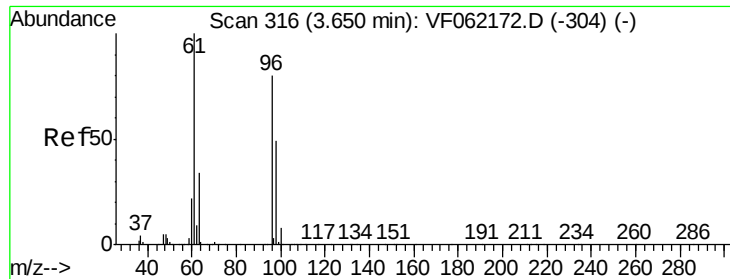
Tgt Ion: 77 Resp: 458

Ion Ratio Lower Upper

77 100

97 44.5 10.3 30.9#



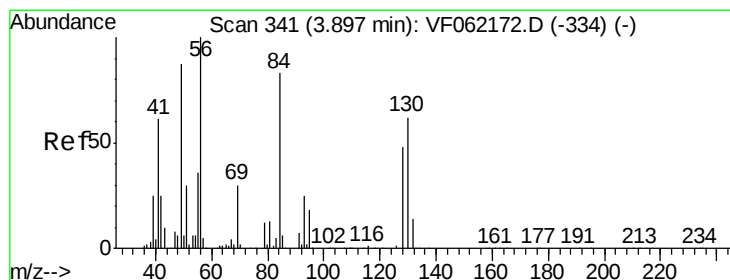
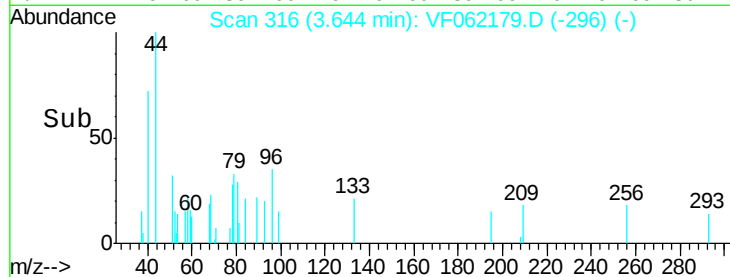
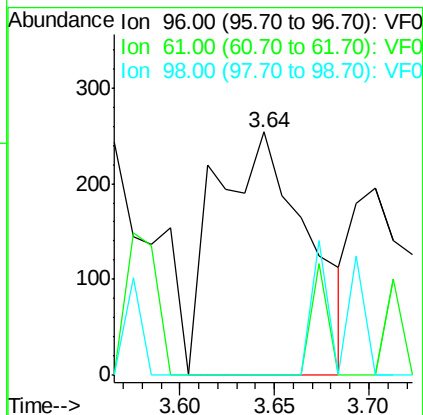
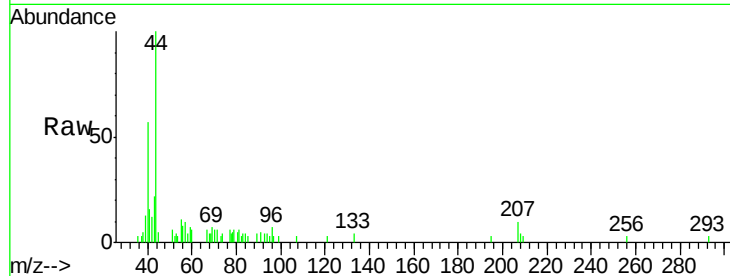


#27

cis-1,2-Dichloroethene
 Concen: 412.156 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

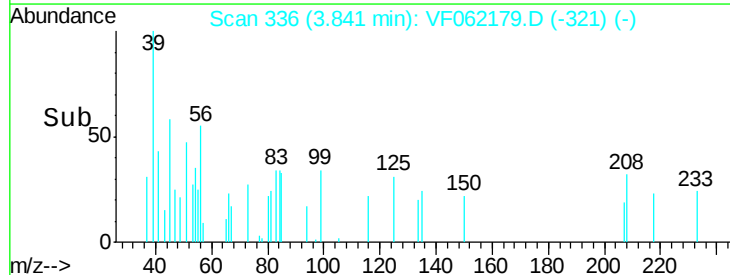
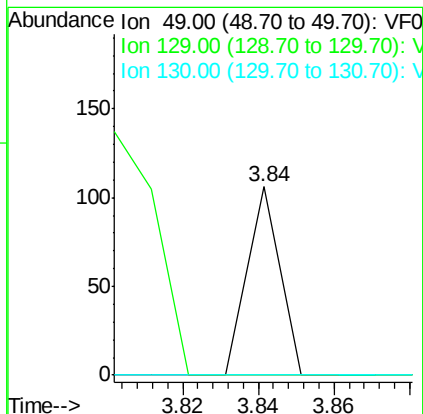
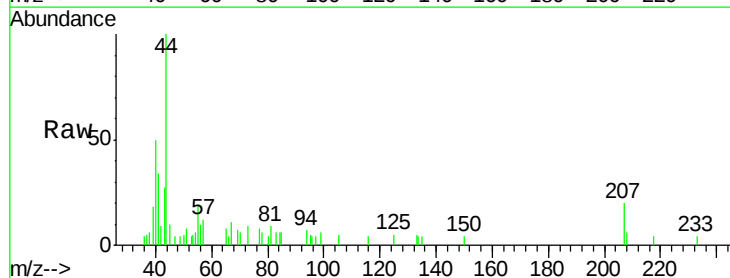
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	248.2
98	0.0	0.0	122.4

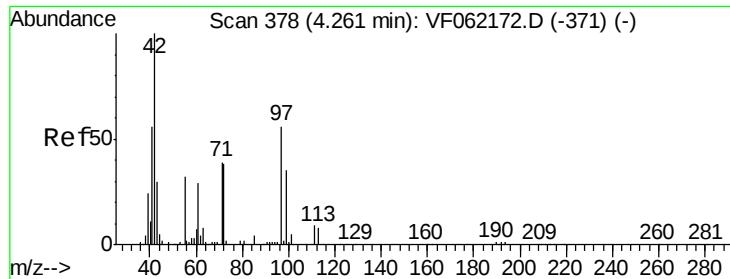


#28

Bromochloromethane
 Concen: 51.618 ug/l
 RT: 3.84 min Scan# 336
 Delta R.T. -0.06 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	56.5	84.7#





#29

Tetrahydrofuran

Concen: 754.240 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleID :

TP-1RE

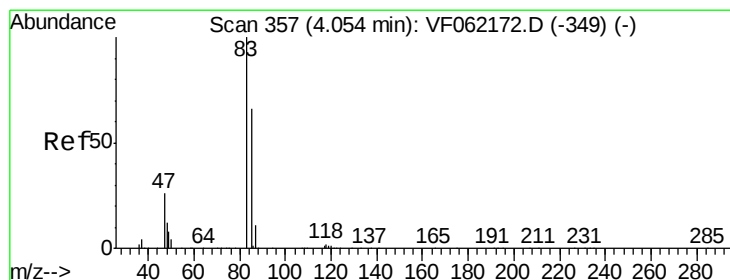
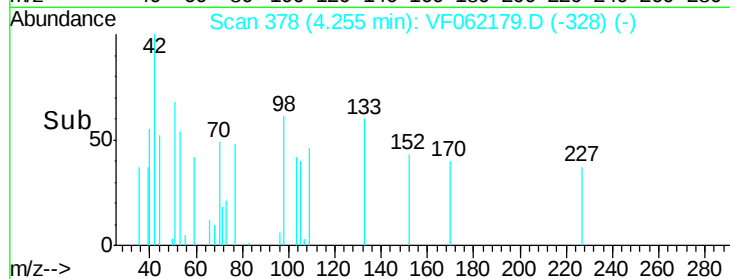
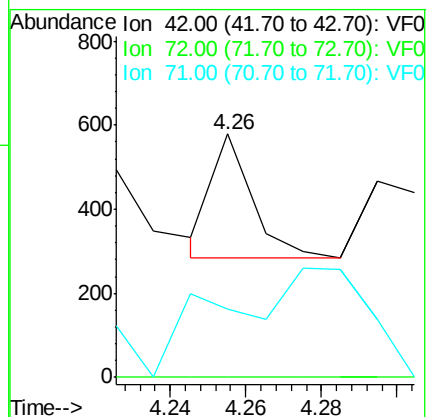
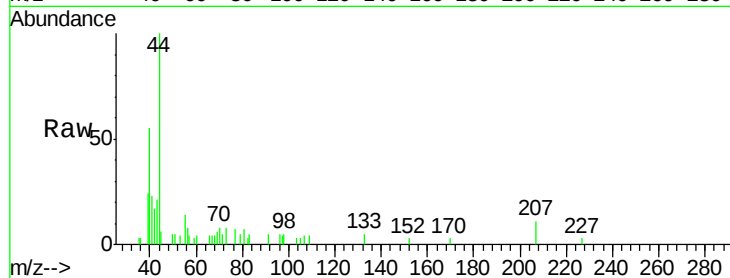
Tot Ion: 42 Resp: 218

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 313.3 30.8 46.2#



#30

Chloroform

Concen: 95.305 ug/l

RT: 3.98 min Scan# 350

Delta R.T. -0.08 min

Lab File: VF062179.D

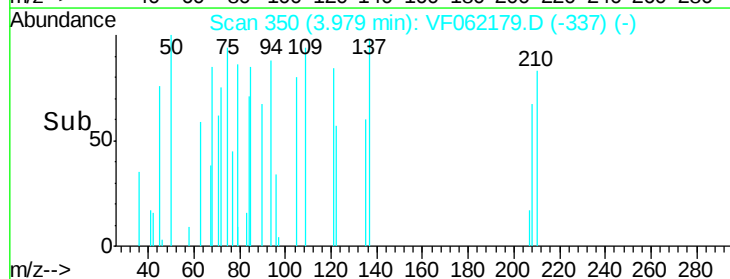
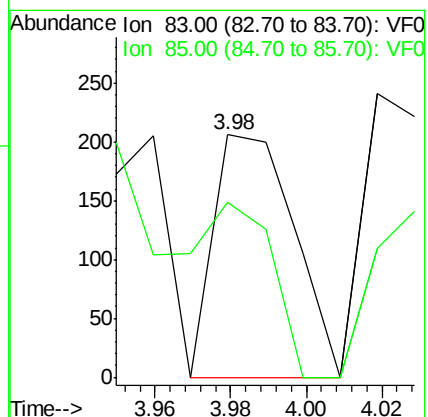
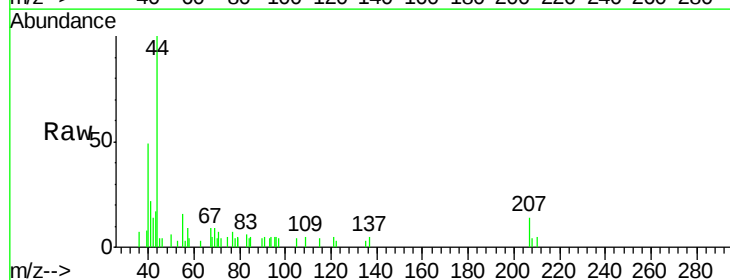
Acq: 16 Apr 2019 16:46

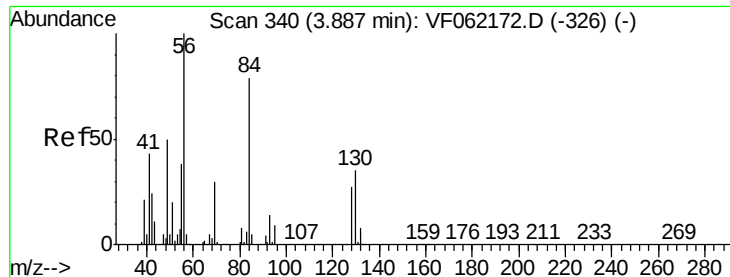
Tgt Ion: 83 Resp: 302

Ion Ratio Lower Upper

83 100

85 72.3 53.5 80.3

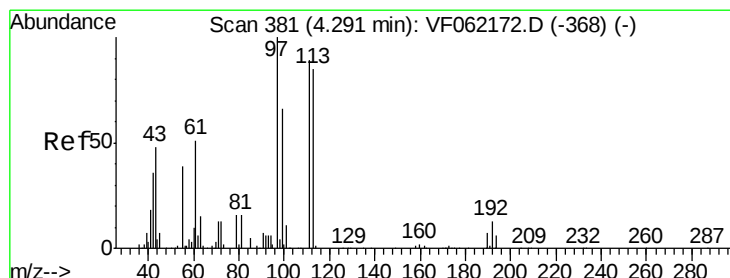
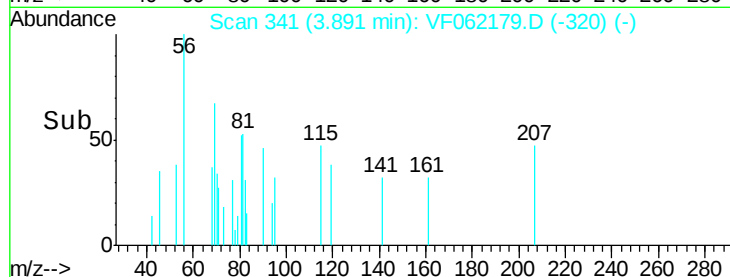
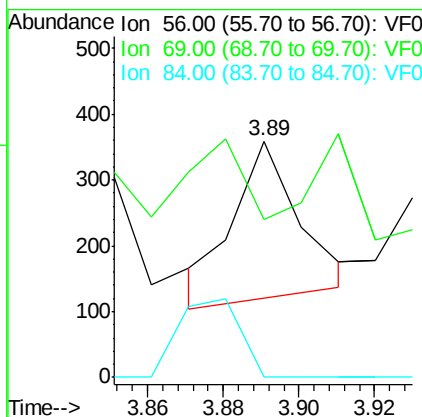
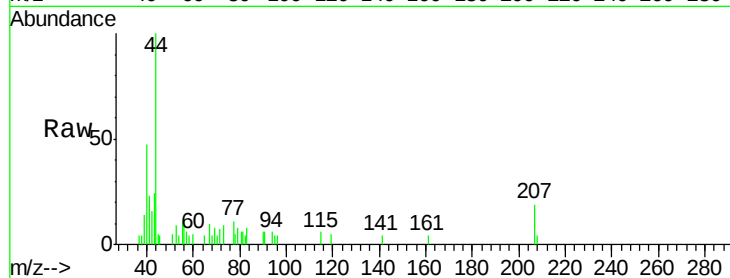




#31
Cvclohexane
Concen: 88.372 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

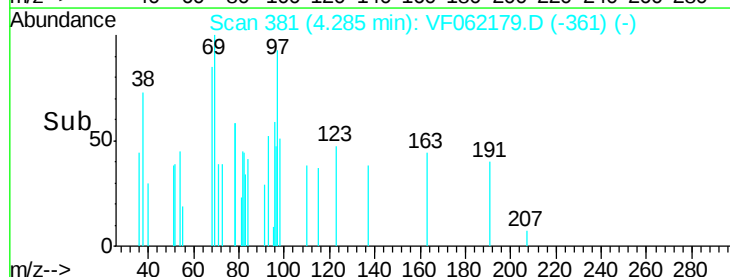
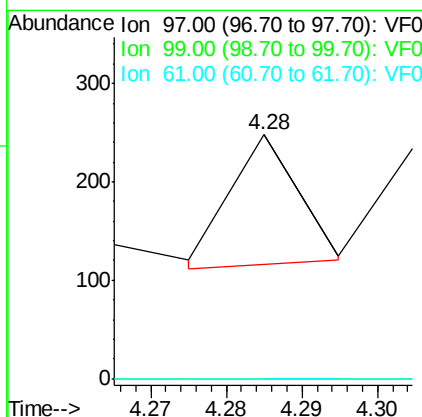
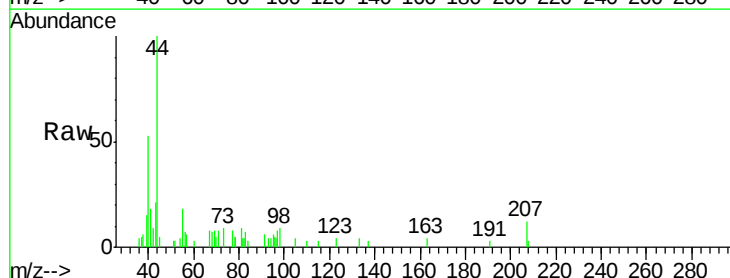
Instrument :
MSVOA_F
ClientSampled :
TP-1RE

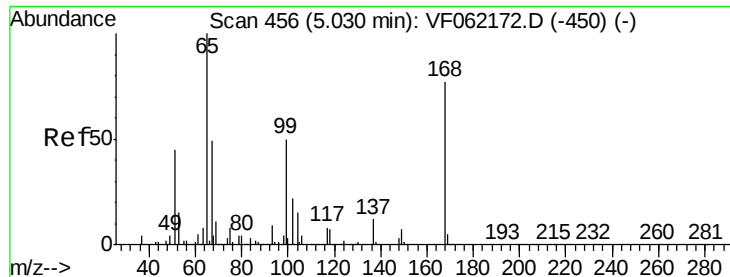
Tot Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
69 66.9 24.4 36.6#
84 0.0 63.4 95.2#



#32
1,1,1-Trichloroethane
Concen: 38.413 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Tgt Ion: 97 Resp: 83
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 0.0 40.9 61.3#

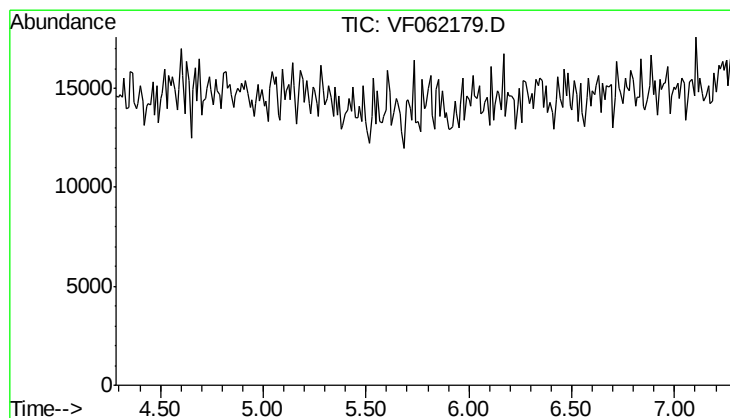
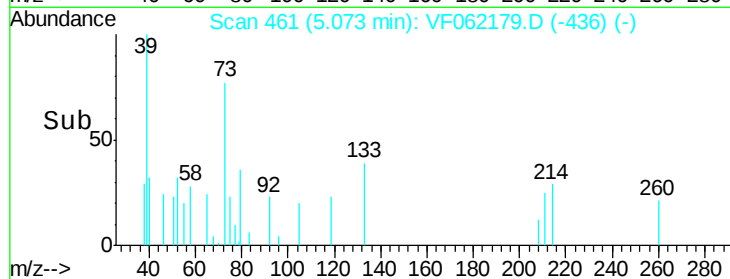
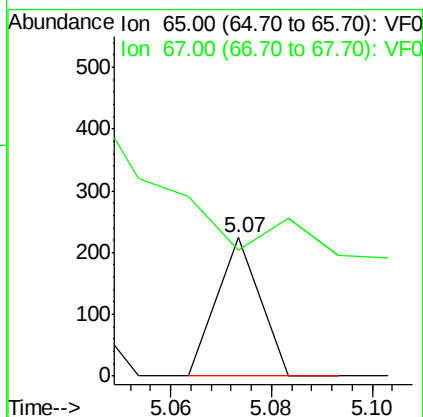
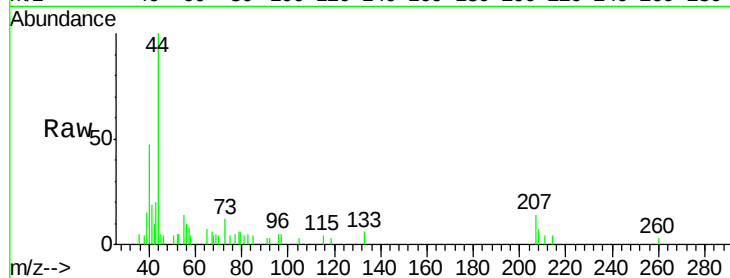




#33
 1,2-Dichloroethane-d4
 Concen: 98.382 ug/l
 RT: 5.07 min Scan# 461
 Delta R.T. 0.04 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

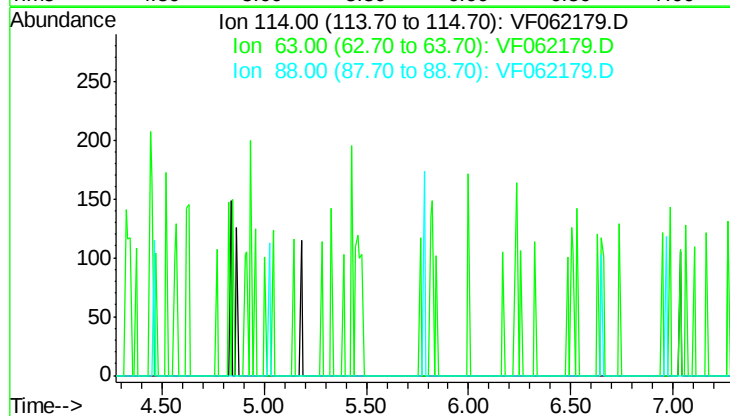
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1RE

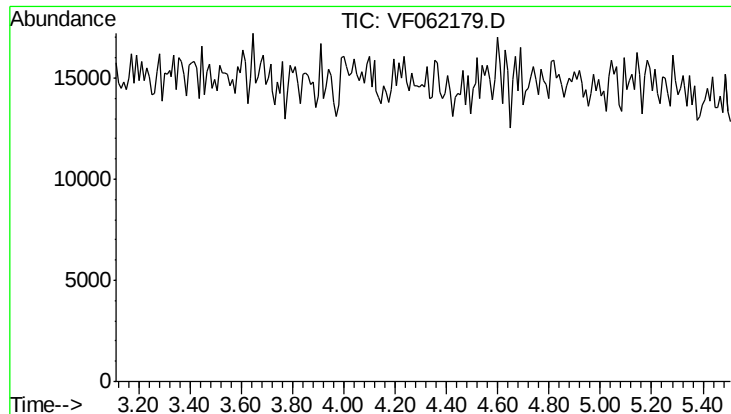
Tot Ion: 65 Resp: 132
 Ion Ratio Lower Upper
 65 100
 67 91.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.78 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion: 114
 Sig Exp Ratio
 114 100
 63 20.0
 88 18.3



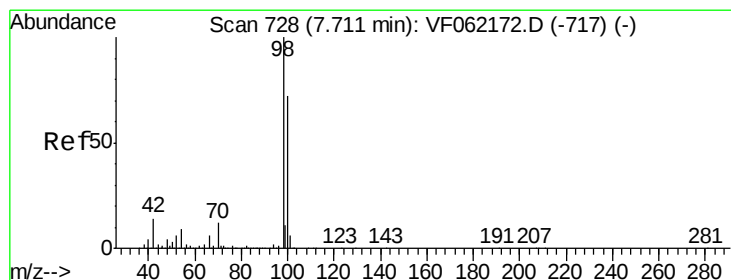
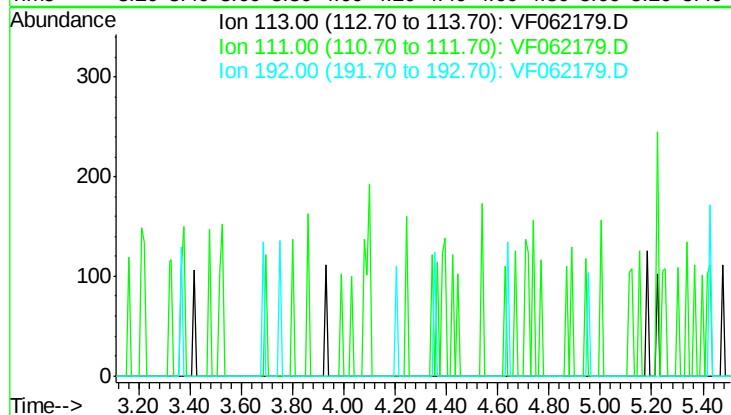


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.31 min

Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

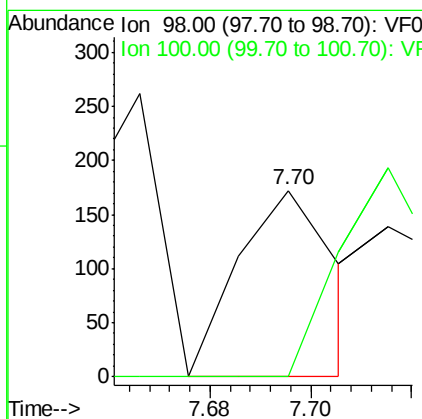
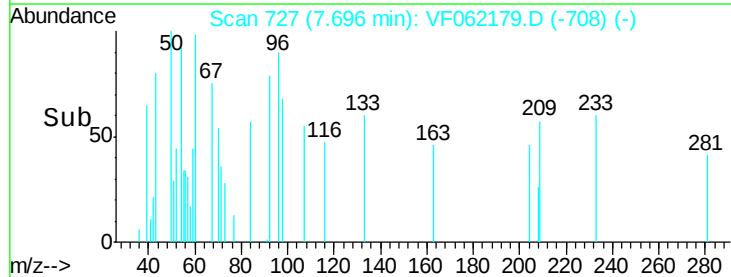
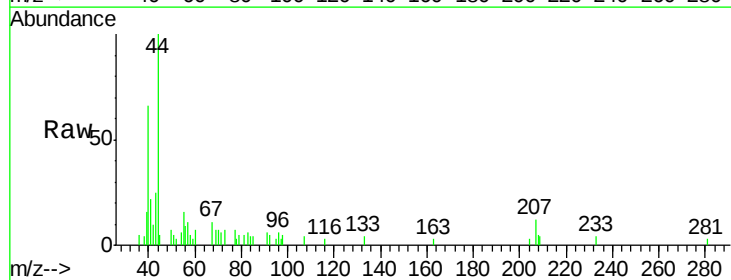
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

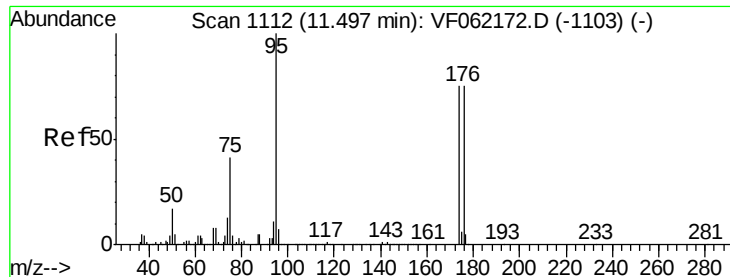
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 102.0
 192 18.7



#50
 Toluene-d8
 Concen: 0.000 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.02 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion: 98 Resp: 230
 Ion Ratio Lower Upper
 98 100
 100 0.0 57.4 86.0#





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

TP-1RE

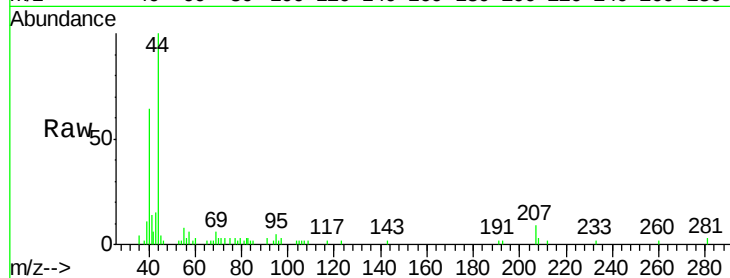
Tot Ion: 95 Resp: 673

Ion Ratio Lower Upper

95 100

174 0.0 0.0 150.2

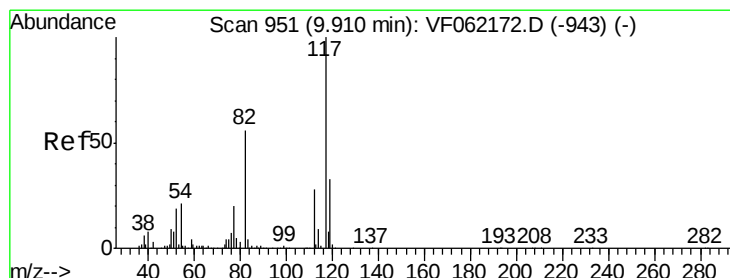
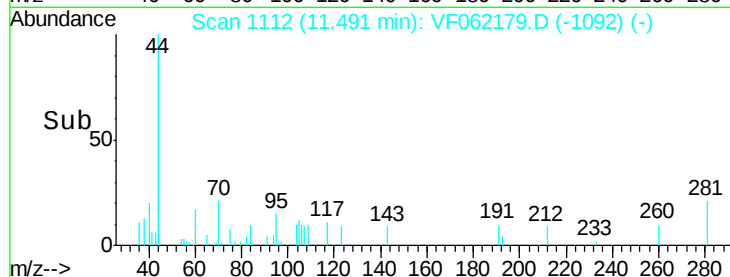
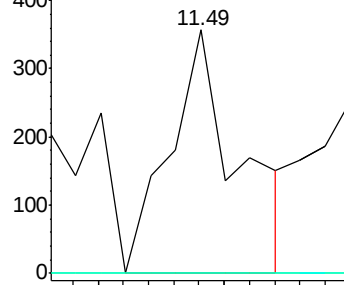
176 0.0 0.0 149.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

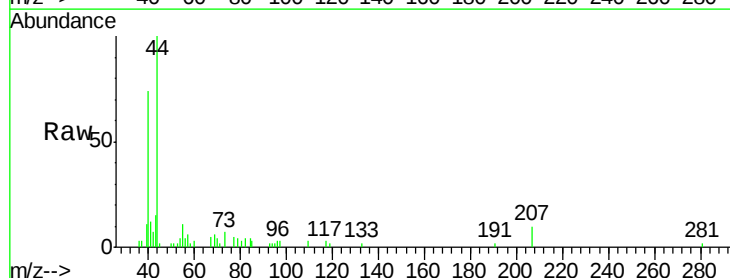
Tgt Ion: 117 Resp: 404

Ion Ratio Lower Upper

117 100

82 127.3 45.2 67.8#

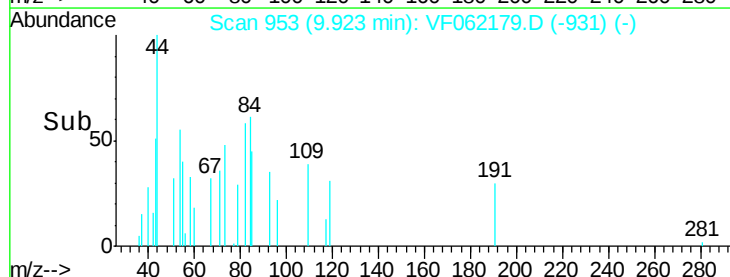
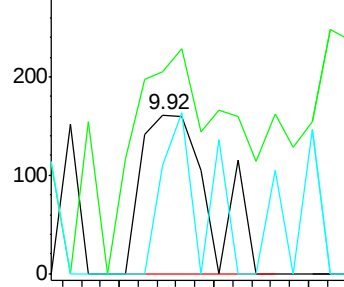
119 68.3 26.6 39.8#

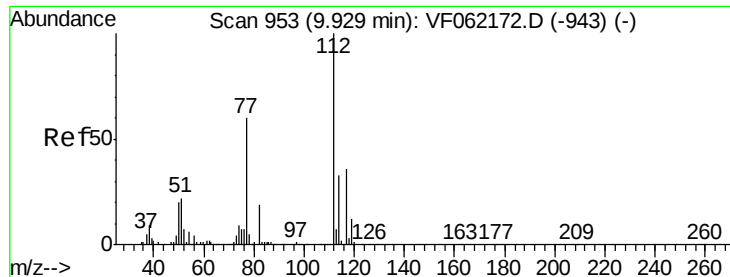


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#65

Chlorobenzene

Concen: 21.180 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

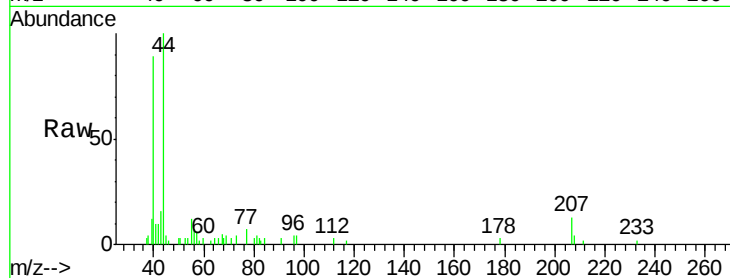
TP-1RE

Tot Ion:112 Resp: 178

Ion Ratio Lower Upper

112 100

114 0.0 26.6 39.8#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

150

100

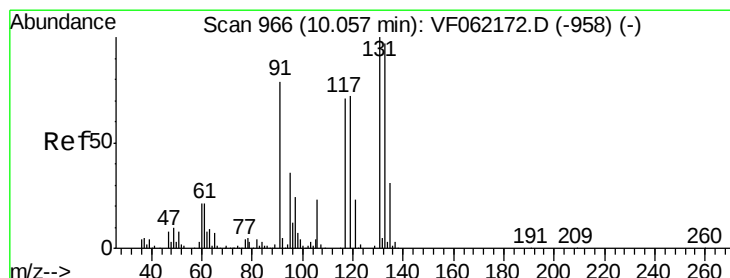
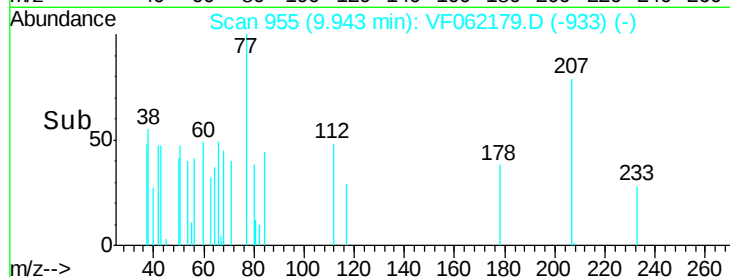
50

0

9.90

9.95

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.446 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

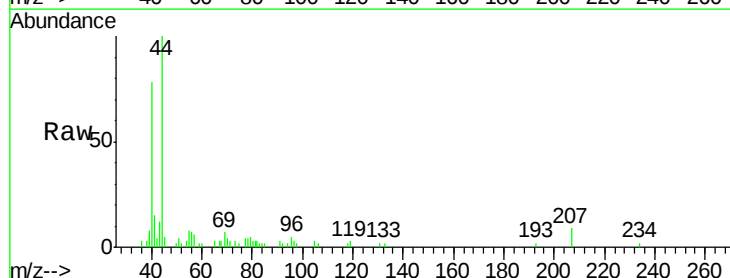
Tgt Ion:131 Resp: 64

Ion Ratio Lower Upper

131 100

133 0.0 48.4 145.2#

119 149.5 36.3 108.9#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

300

250

200

150

100

50

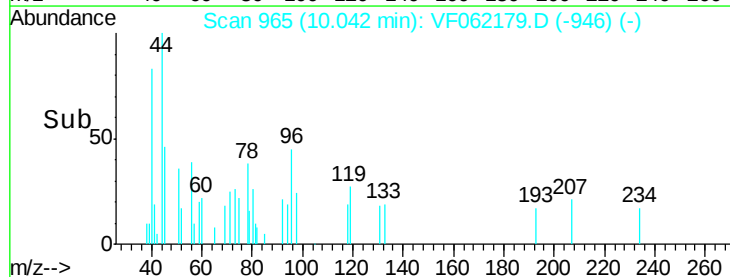
0

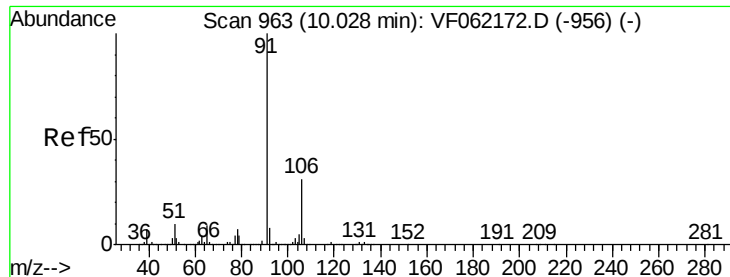
10.02

10.04

10.06

Time-->





#67

Ethyl Benzene

Concen: 36.973 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

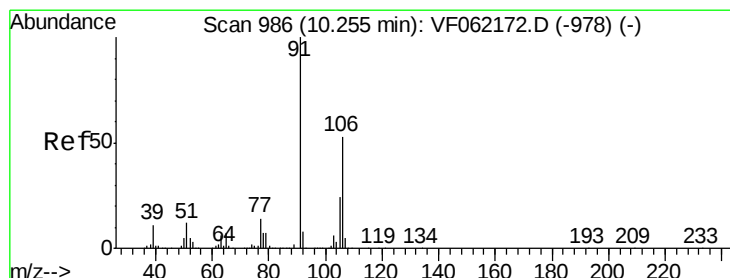
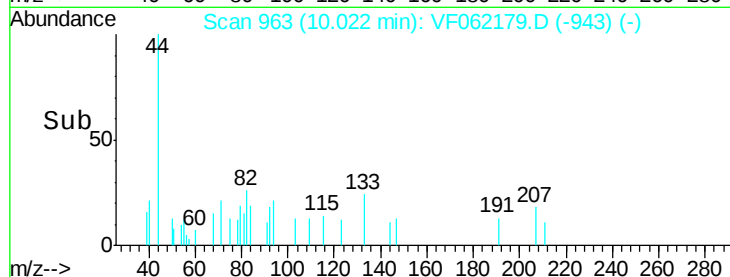
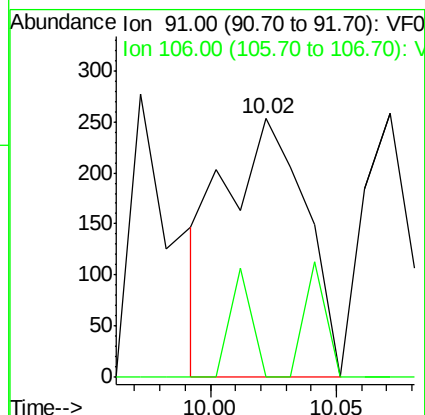
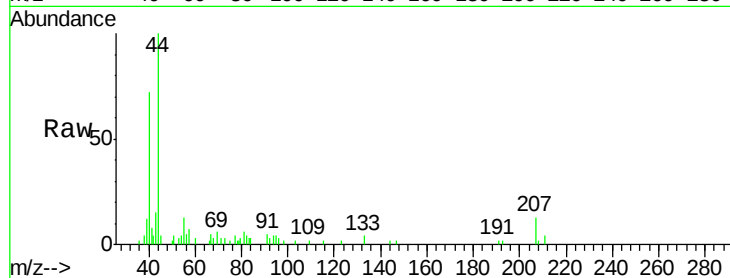
TP-1RE

Tot Ion: 91 Resp: 576

Ion Ratio Lower Upper

91 100

106 0.0 24.7 37.1#



#68

m/p-Xylenes

Concen: 14.299 ug/l

RT: 10.15 min Scan# 976

Delta R.T. -0.10 min

Lab File: VF062179.D

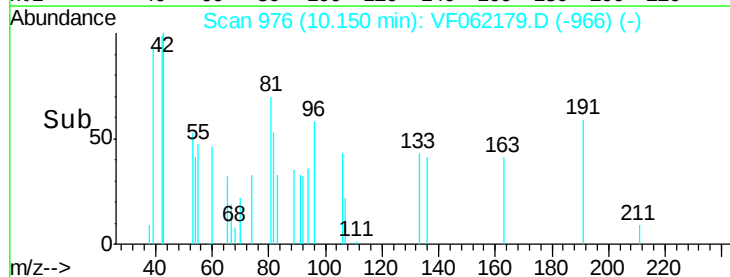
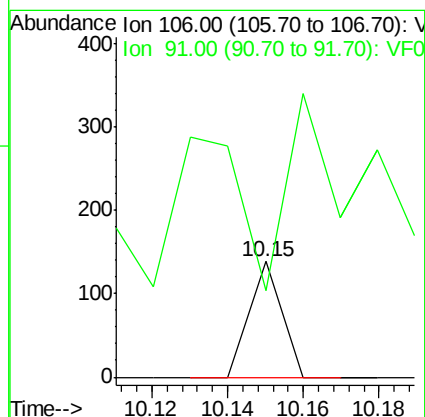
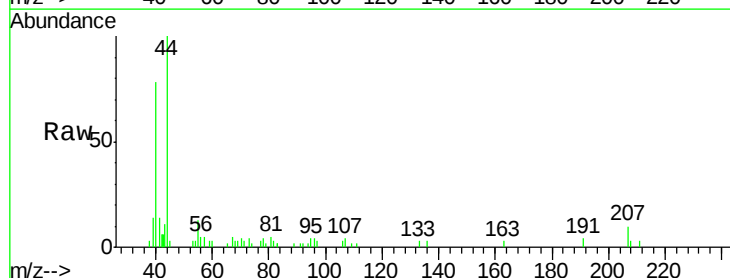
Acq: 16 Apr 2019 16:46

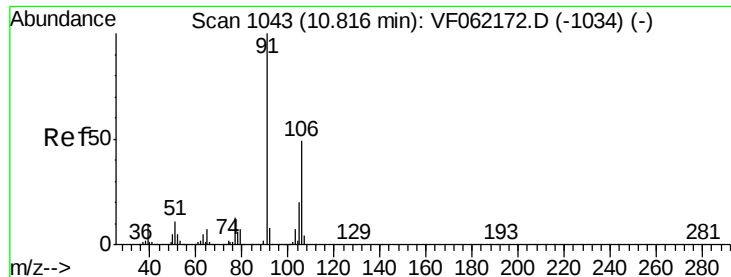
Tgt Ion: 106 Resp: 82

Ion Ratio Lower Upper

106 100

91 75.4 151.7 227.5#

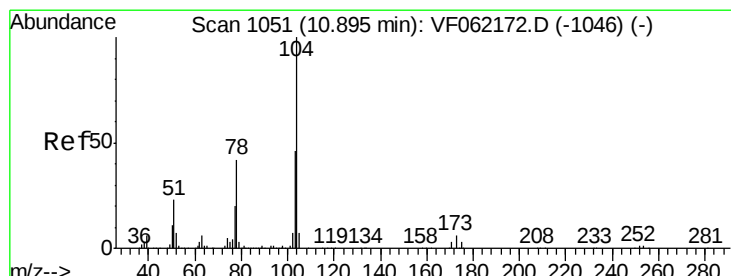
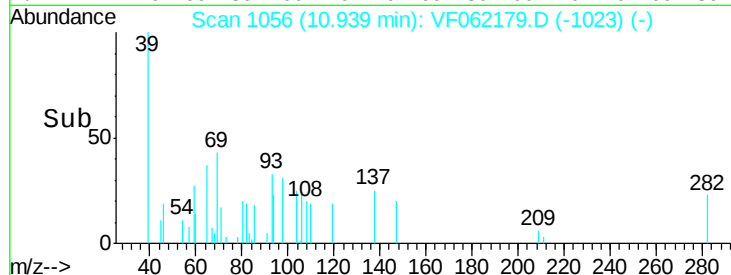
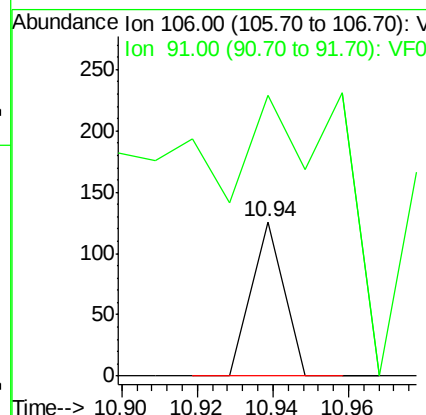
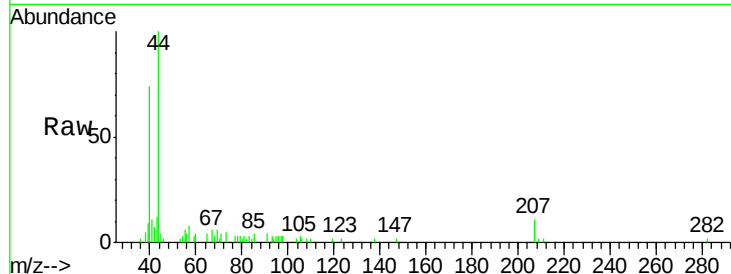




#69
o-Xylene
Concen: 12.079 ug/l
RT: 10.94 min Scan# 1056
Delta R.T. 0.12 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

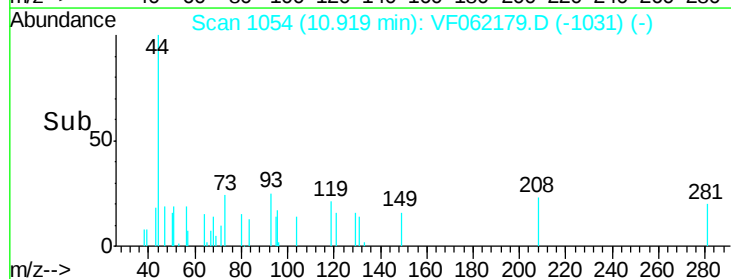
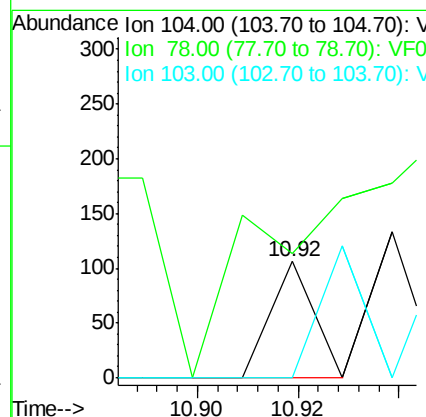
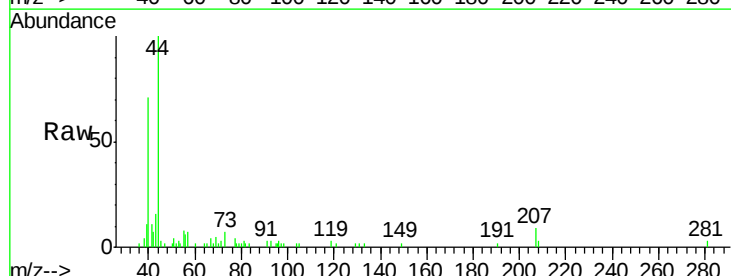
Instrument :
MSVOA_F
ClientSampled :
TP-1RE

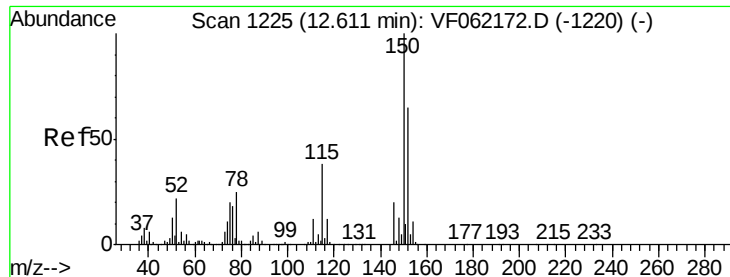
Tot Ion:106 Resp: 75
Ion Ratio Lower Upper
106 100
91 181.7 101.9 305.7



#70
Styrene
Concen: 6.977 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.02 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 106.6 33.7 50.5#
103 0.0 37.2 55.8#



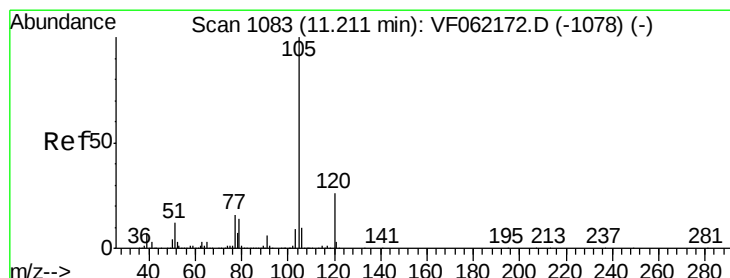
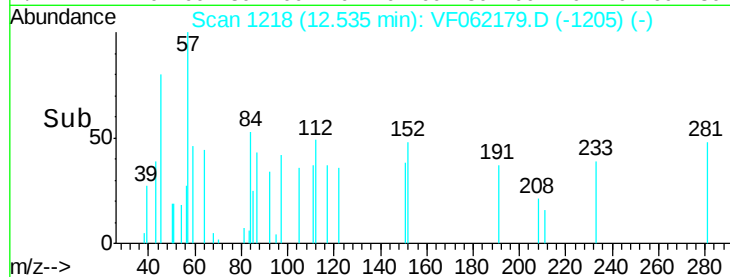
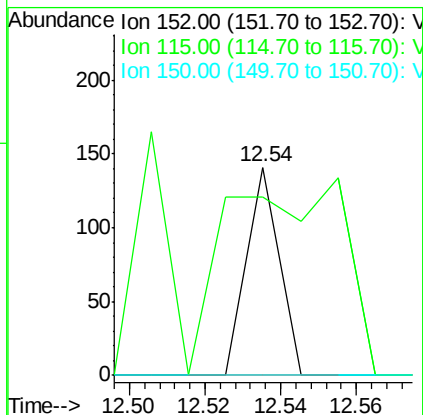
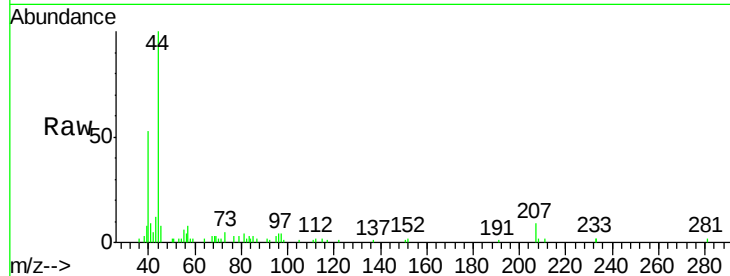


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. -0.08 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Instrument :
MSVOA_F
ClientSampleId :
TP-1RE

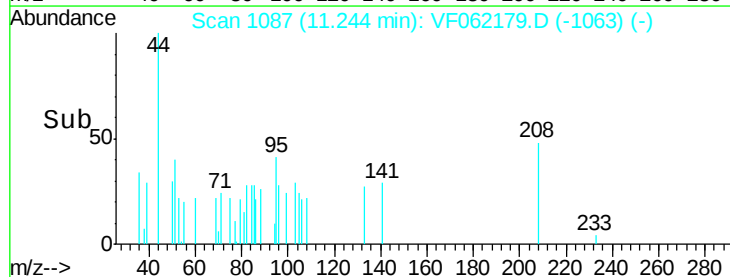
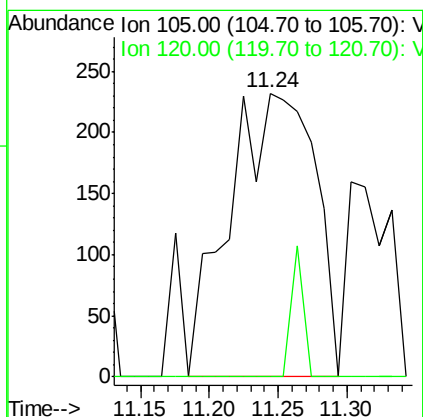
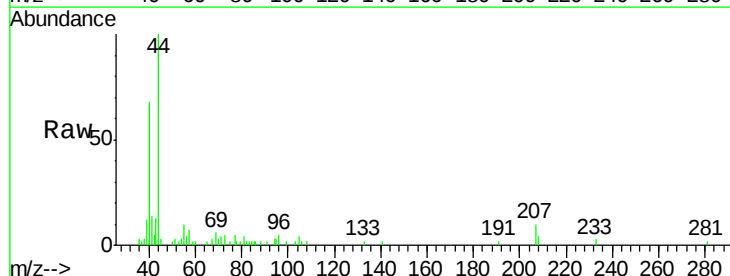
Tot Ion	Ratio	Lower	Upper
152	100		
115	85.8	29.0	87.1
150	0.0	0.0	309.2

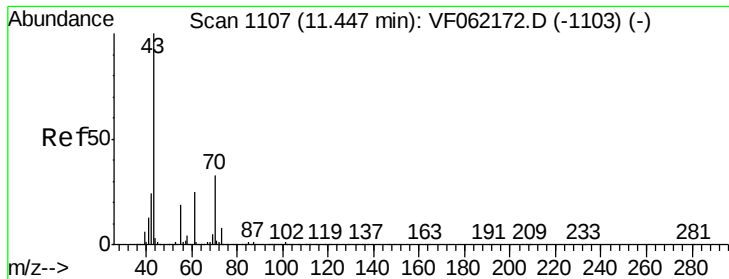


#73

Isopropylbenzene
Concen: 141.529 ug/l
RT: 11.24 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VF062179.D
Acq: 16 Apr 2019 16:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.0	38.9#





#74

N-amvl acetate

Concen: 305.713 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TP-1RE

Tot Ion: 43 Resp: 464

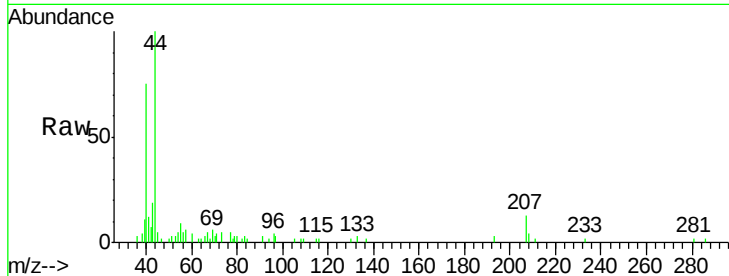
Ion Ratio Lower Upper

43 100

70 18.1 26.6 39.8#

55 50.3 15.0 22.6#

61 0.0 20.0 30.0#

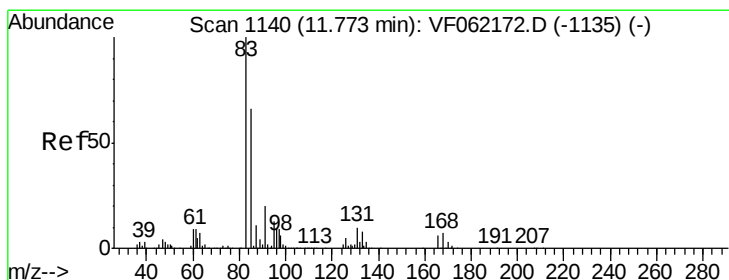
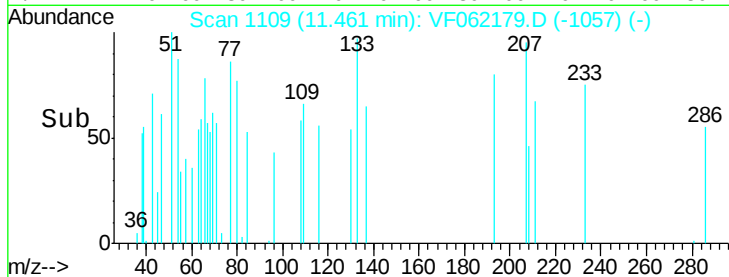
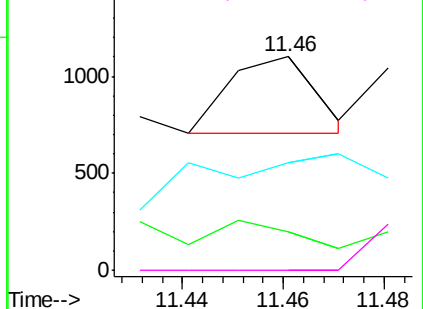


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 122.472 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.03 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

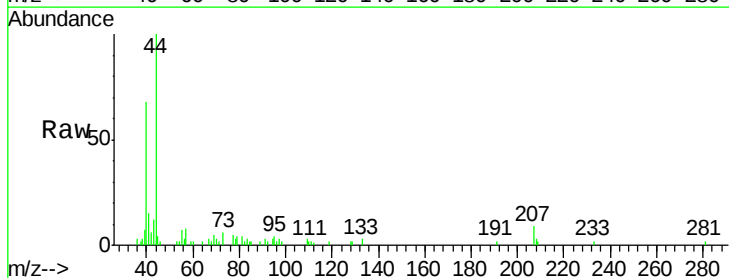
Tgt Ion: 83 Resp: 156

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

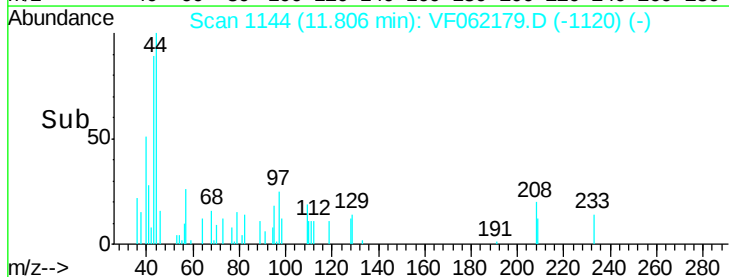
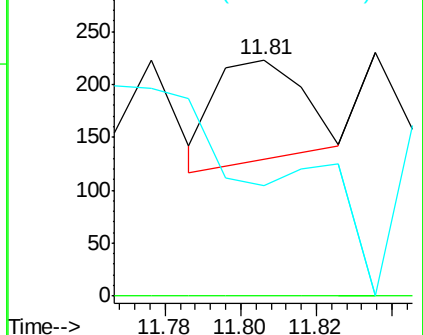
85 46.6 33.2 99.6

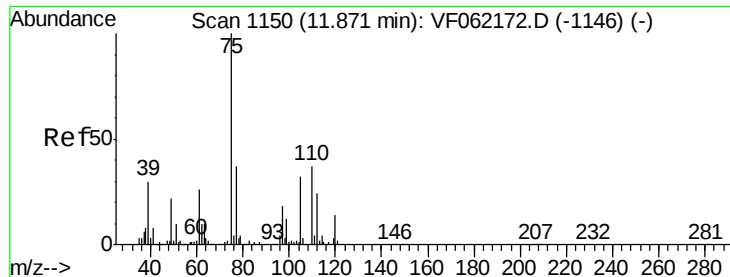


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 338.027 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

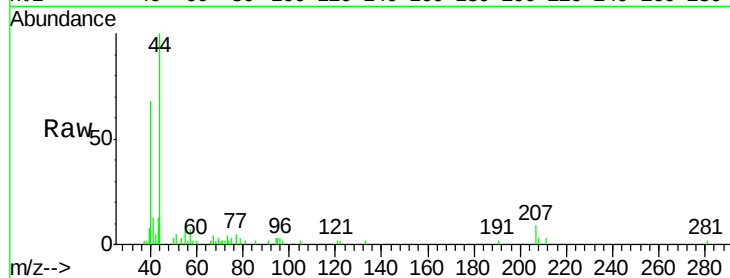
TP-1RE

Tot Ion: 75 Resp: 292

Ion Ratio Lower Upper

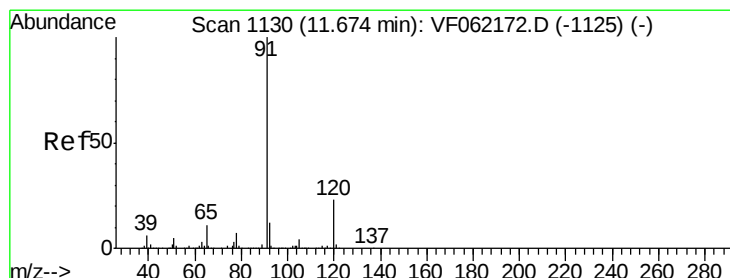
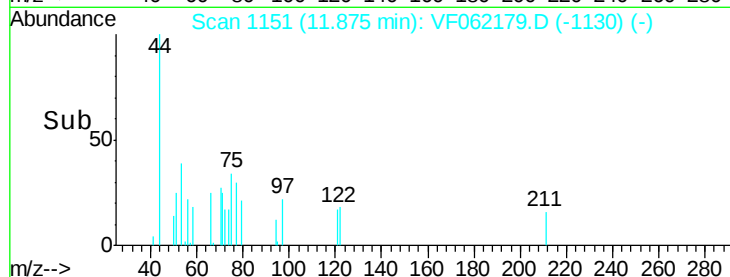
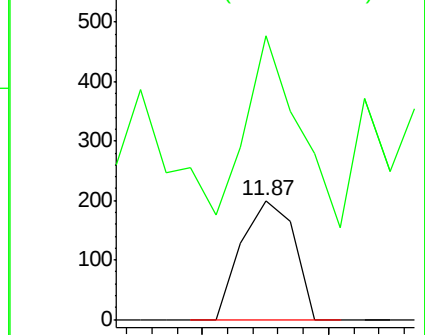
75 100

77 238.5 18.7 56.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 72.222 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062179.D

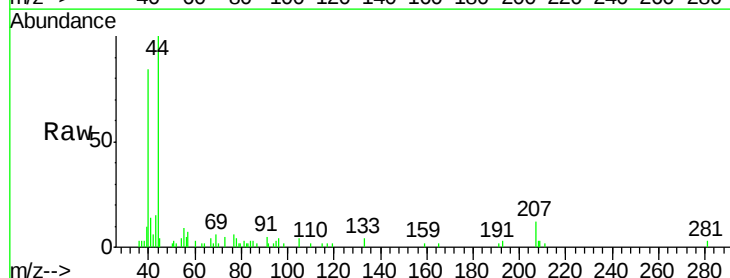
Acq: 16 Apr 2019 16:46

Tgt Ion: 91 Resp: 587

Ion Ratio Lower Upper

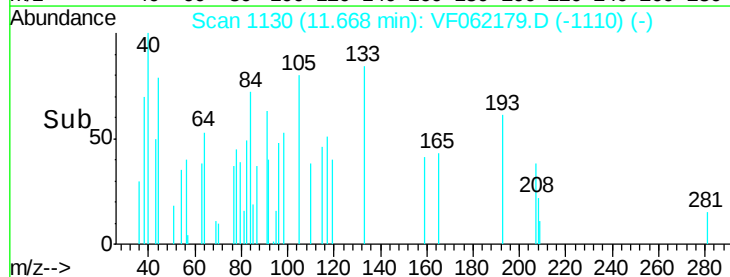
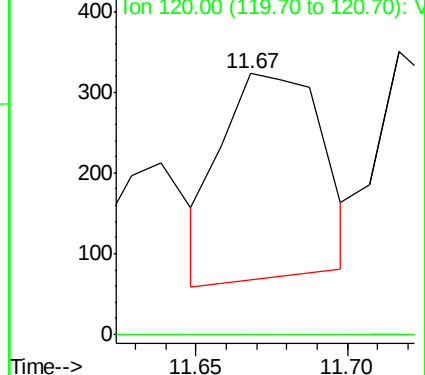
91 100

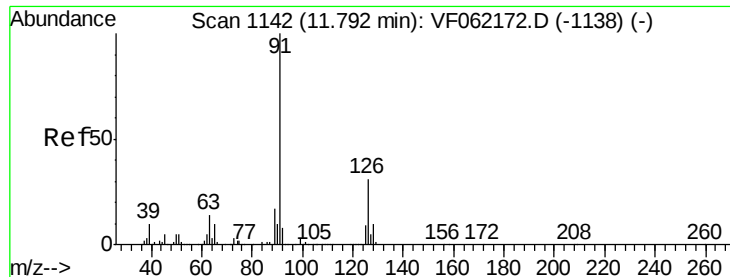
120 0.0 11.6 34.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 102.485 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.11 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

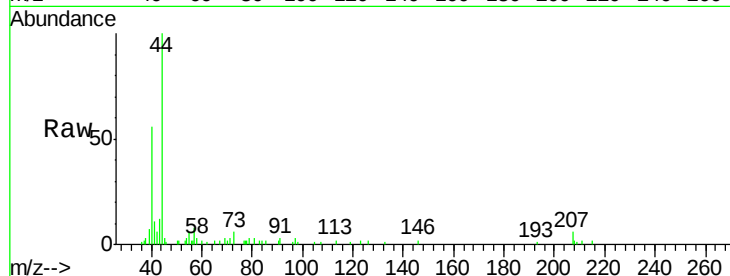
TP-1RE

Tot Ion: 91 Resp: 491

Ion Ratio Lower Upper

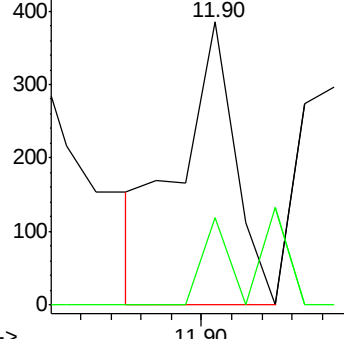
91 100

126 30.9 15.6 46.8

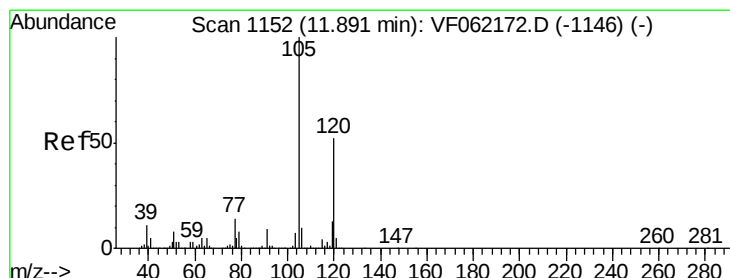
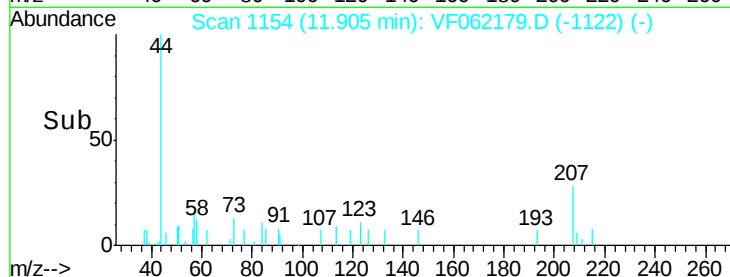


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 79.649 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.02 min

Lab File: VF062179.D

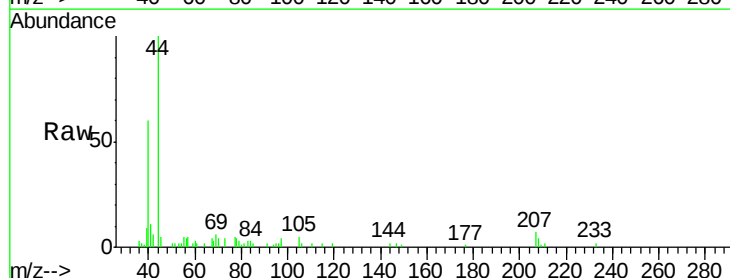
Acq: 16 Apr 2019 16:46

Tgt Ion:105 Resp: 475

Ion Ratio Lower Upper

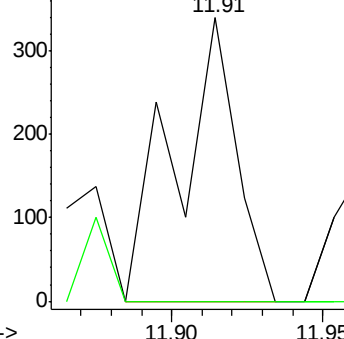
105 100

120 0.0 25.9 77.7#

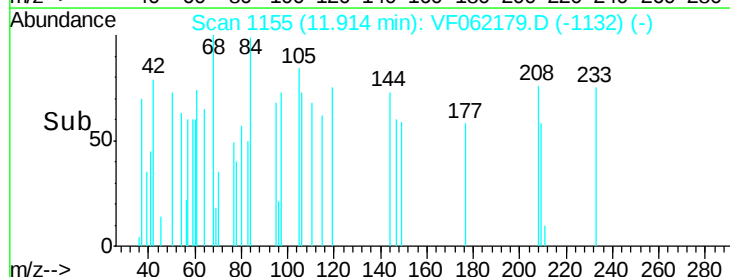


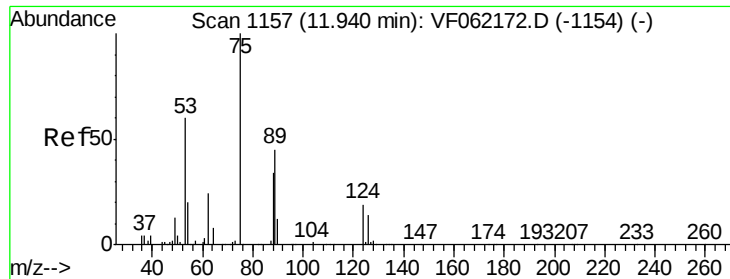
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 166.654 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

TP-1RE

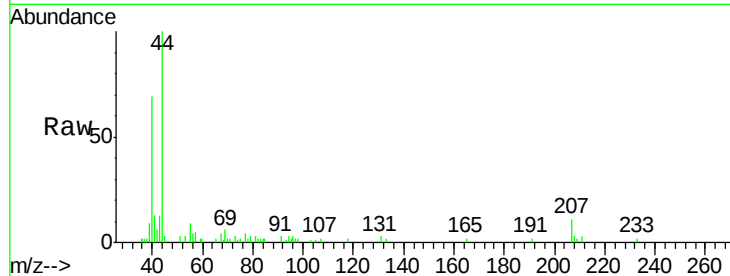
Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

53 181.8 53.4 80.0#

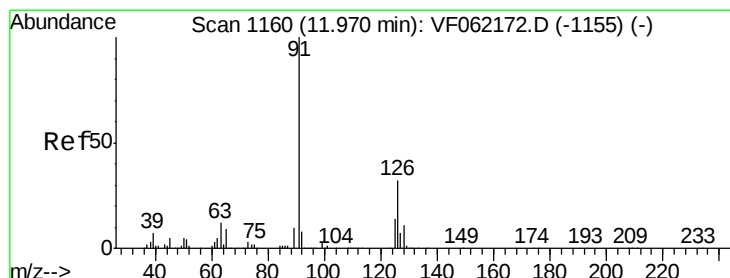
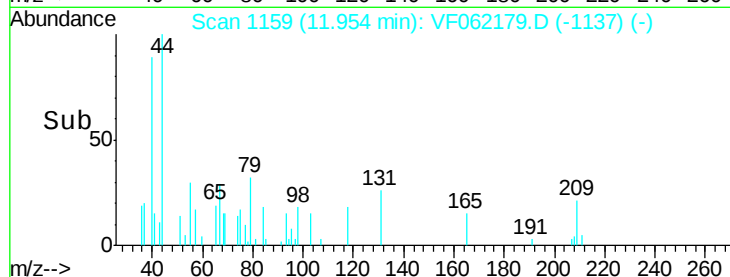
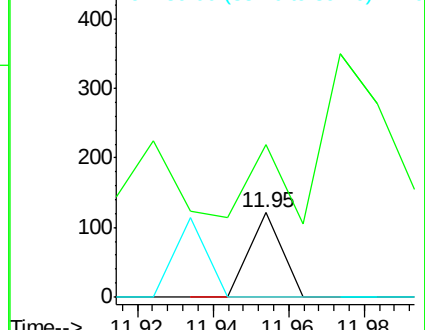
89 0.0 38.7 58.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 104.579 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.07 min

Lab File: VF062179.D

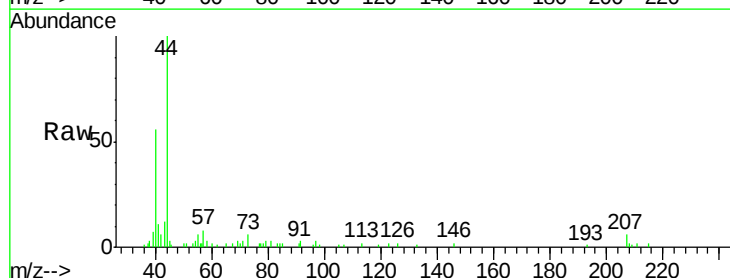
Acq: 16 Apr 2019 16:46

Tgt Ion: 91 Resp: 491

Ion Ratio Lower Upper

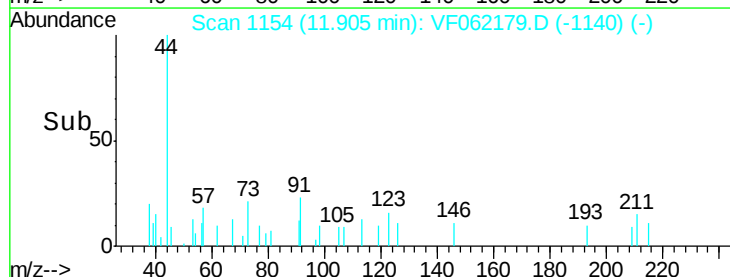
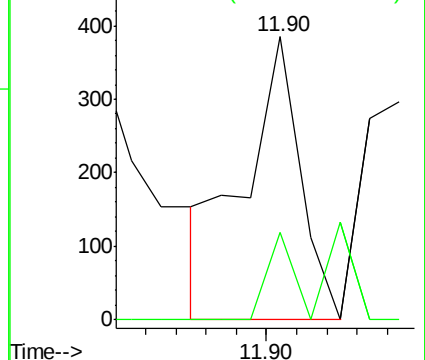
91 100

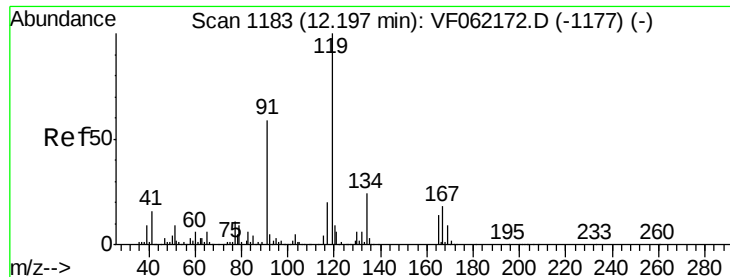
126 30.9 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

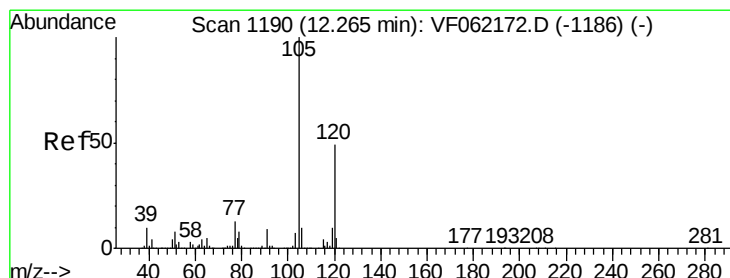
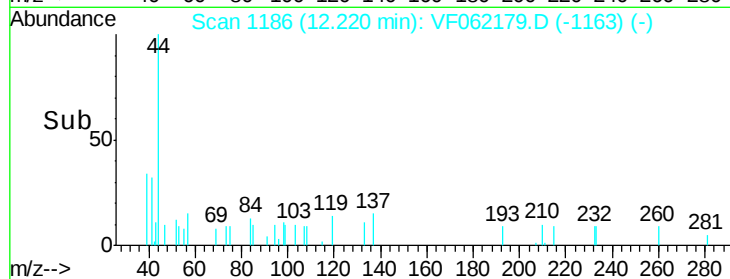
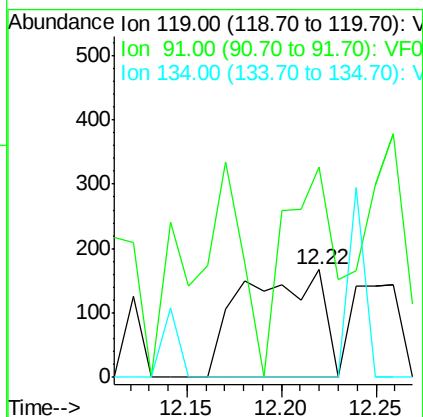
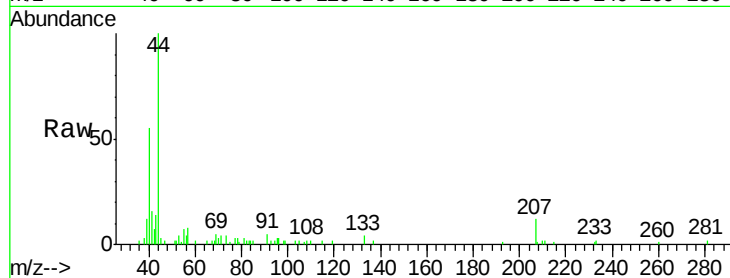




#83
 tert-Butylbenzene
 Concen: 81.732 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.02 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

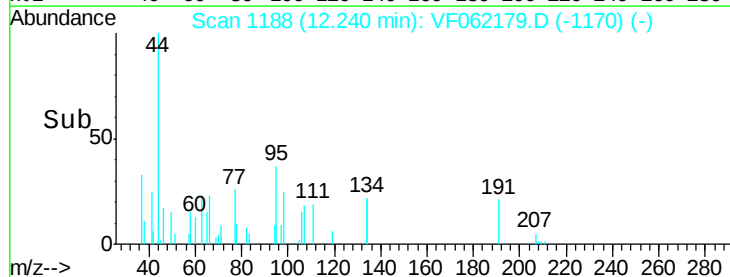
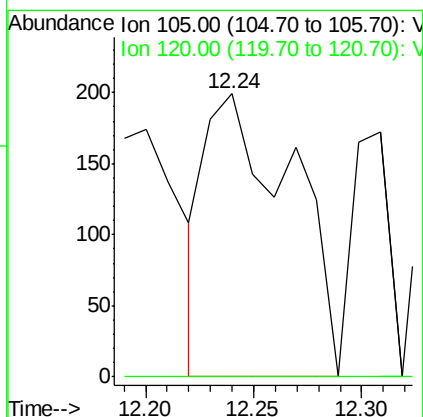
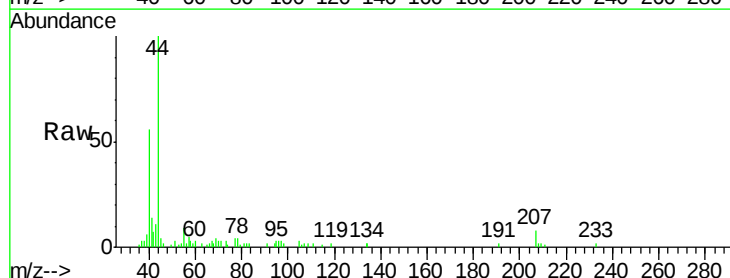
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

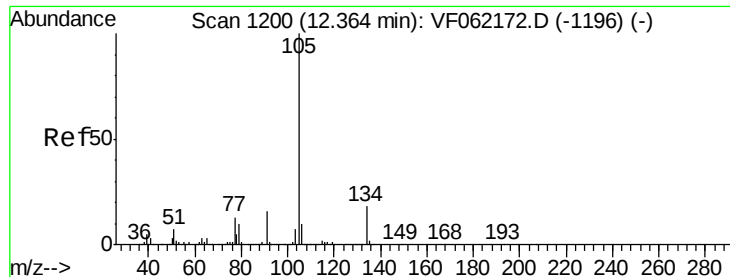
Tot Ion:119 Resp: 484
 Ion Ratio Lower Upper
 119 100
 91 195.2 29.5 88.5#
 134 0.0 12.0 36.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 95.721 ug/l
 RT: 12.24 min Scan# 1188
 Delta R.T. -0.03 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion:105 Resp: 554
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#

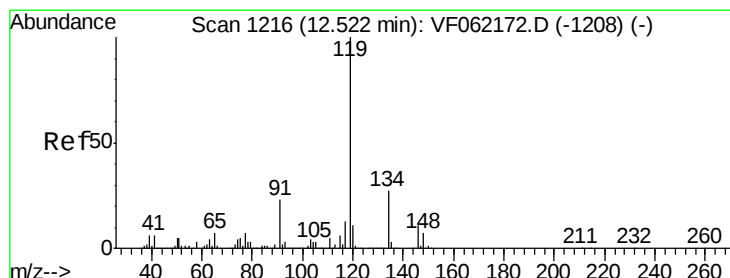
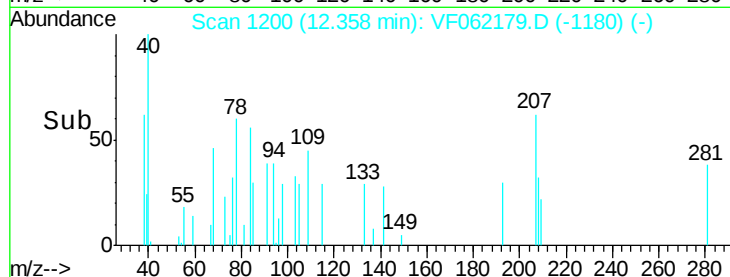
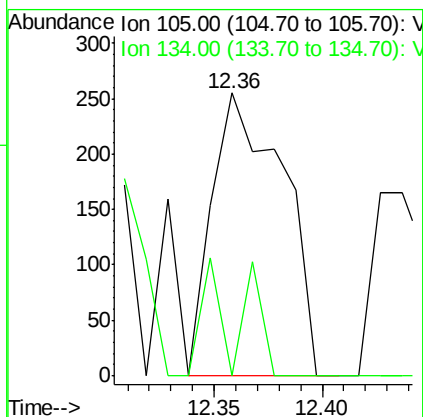
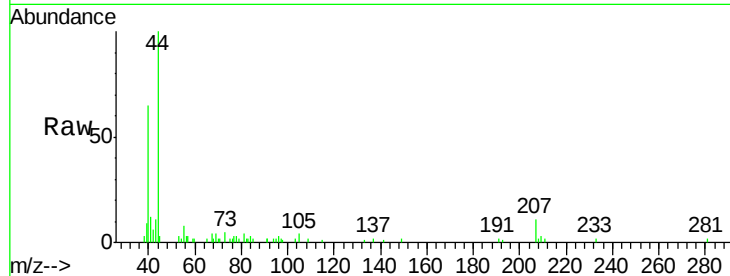




#85
 sec-Butylbenzene
 Concen: 74.613 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

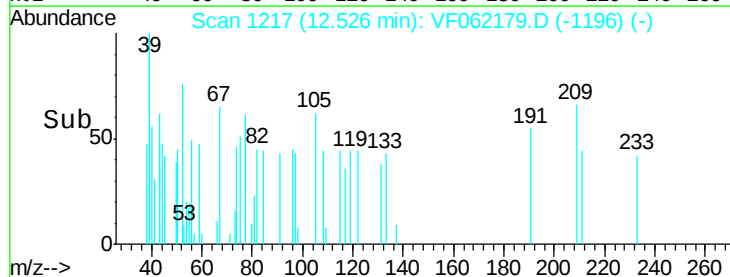
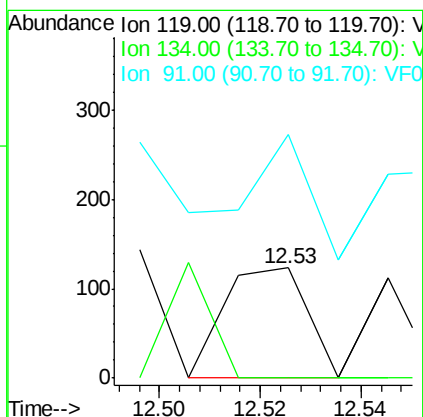
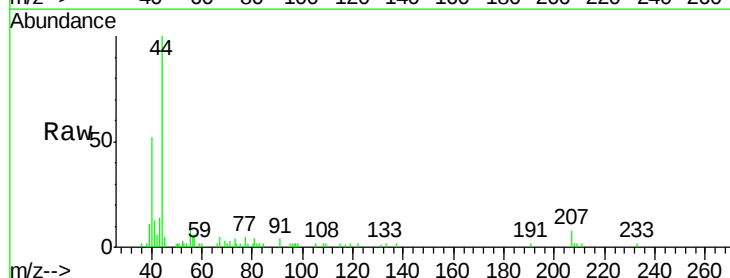
Instrument :
 MSVOA_F
 ClientSampleID :
 TP-1RE

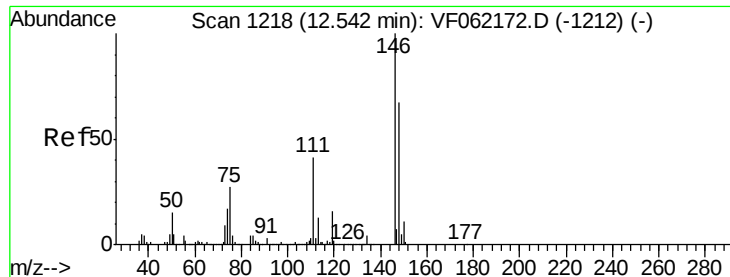
Tot Ion:105 Resp: 581
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.0 27.0#



#86
 p-Isopropyltoluene
 Concen: 21.255 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion:119 Resp: 141
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.5 40.5#
 91 221.1 11.5 34.5#

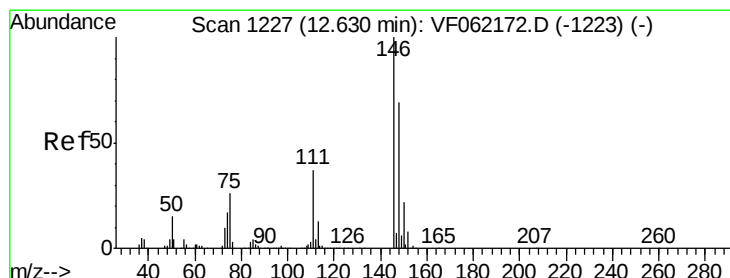
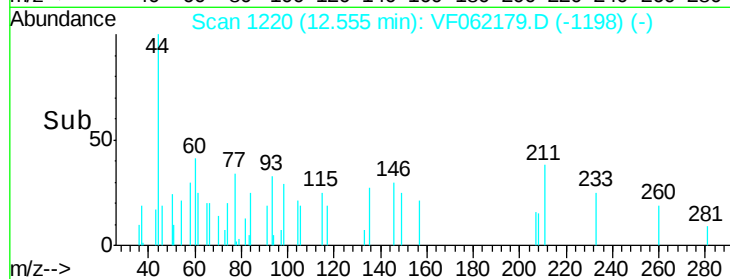
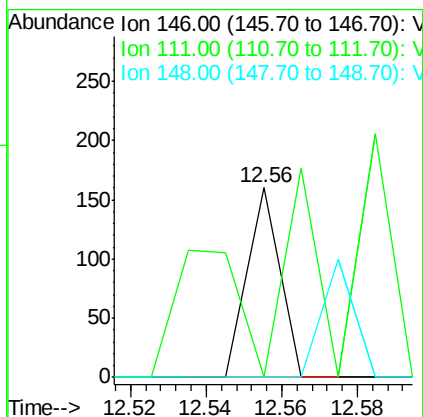
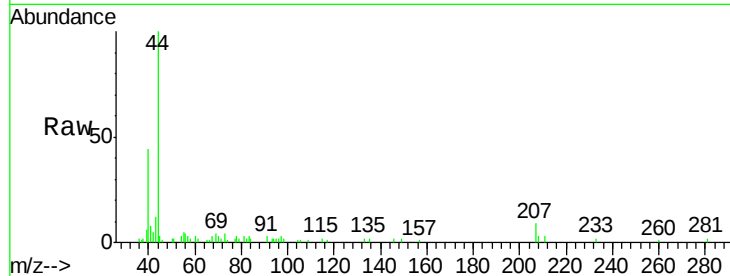




#87
 1,3-Dichlorobenzene
 Concen: 34.917 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

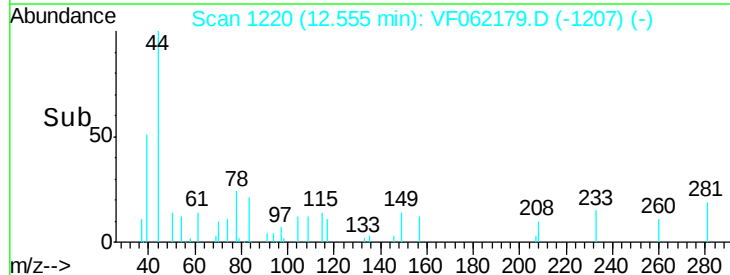
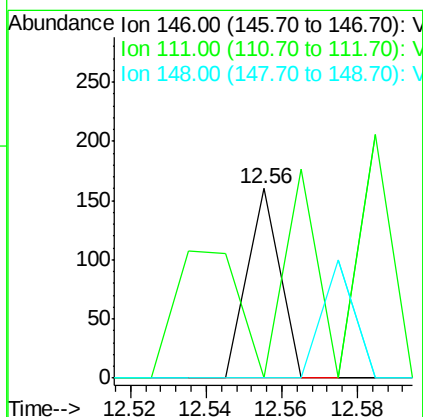
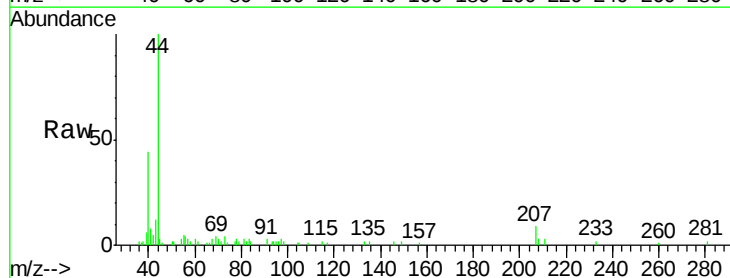
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1RE

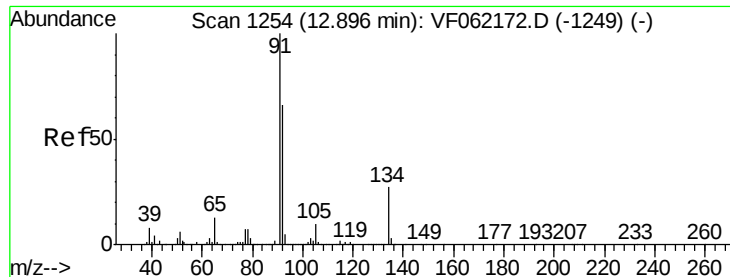
Tot Ion:146 Resp: 95
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.5 61.6#
 148 0.0 33.6 100.8#



#88
 1,4-Dichlorobenzene
 Concen: 35.813 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.08 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion:146 Resp: 95
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.6 55.6#
 148 0.0 34.3 102.8#





#89

n-Butylbenzene

Concen: 72.741 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

TP-1RE

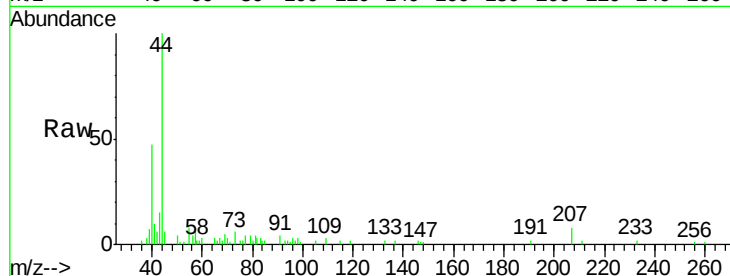
Tot Ion: 91 Resp: 418

Ion Ratio Lower Upper

91 100

92 0.0 32.9 98.6#

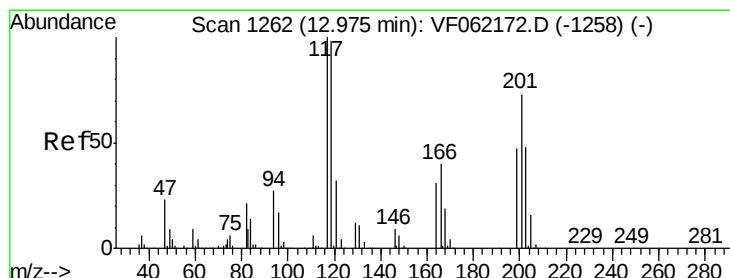
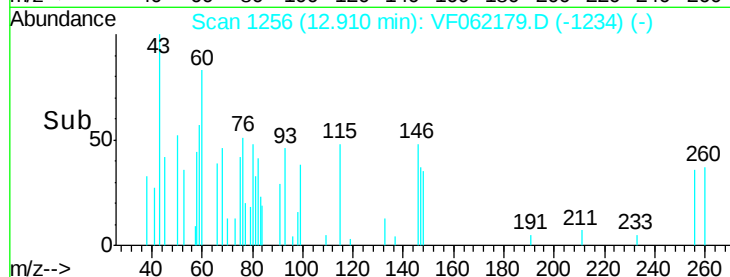
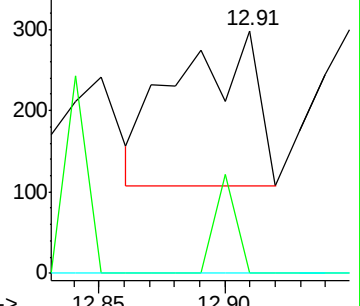
134 0.0 13.4 40.2#



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: 102.156 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF062179.D

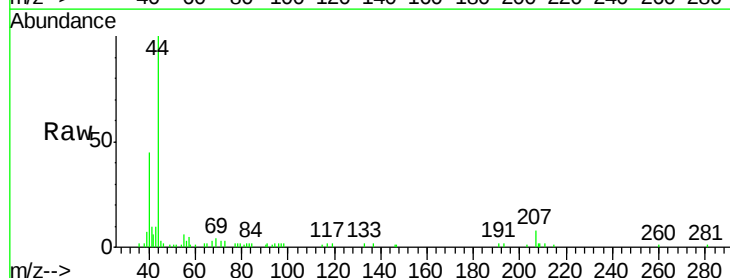
Acq: 16 Apr 2019 16:46

Tgt Ion: 117 Resp: 166

Ion Ratio Lower Upper

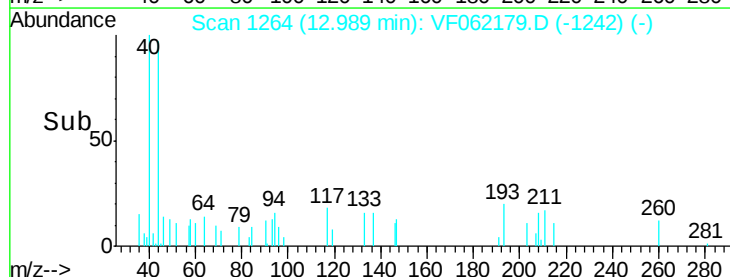
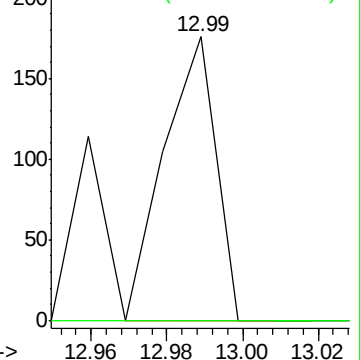
117 100

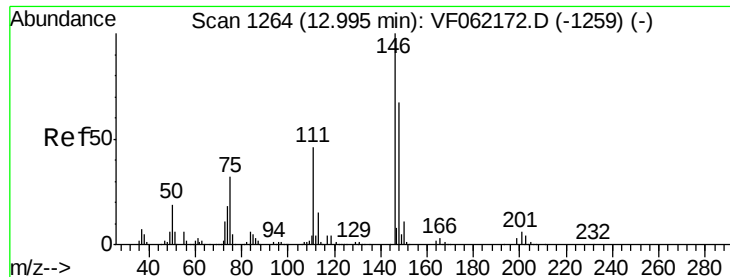
201 0.0 36.7 110.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 47.108 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TP-1RE

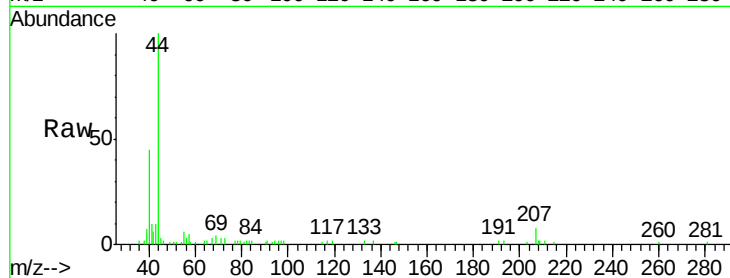
Tot Ion:146 Resp: 123

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.8#

148 0.0 33.6 100.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.99

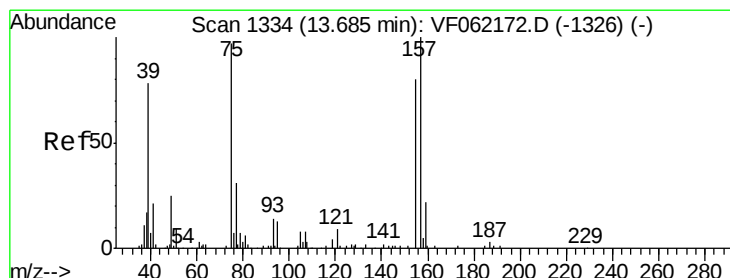
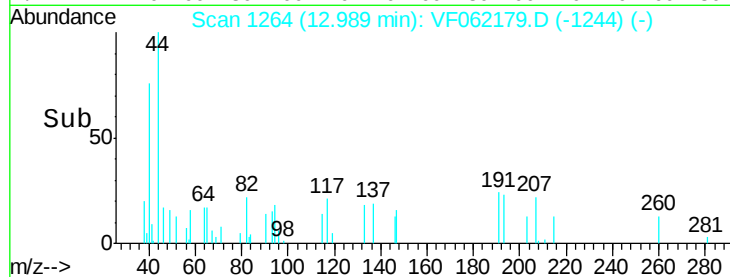
100

50

0

12.96 12.98 13.00 13.02

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 357.434 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

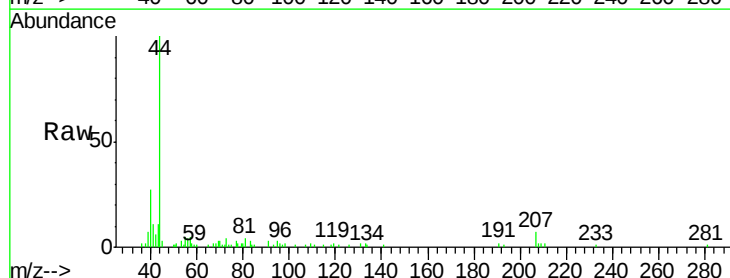
Tgt Ion: 75 Resp: 82

Ion Ratio Lower Upper

75 100

155 0.0 41.0 123.0#

157 0.0 51.3 154.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.68

150

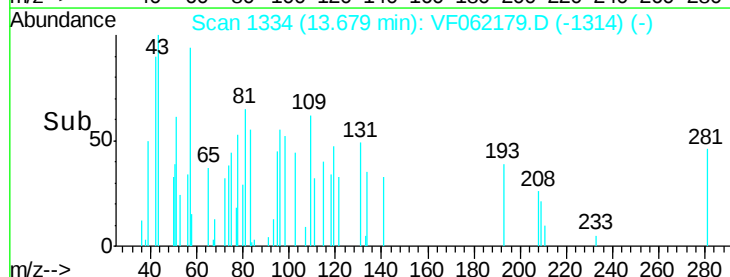
100

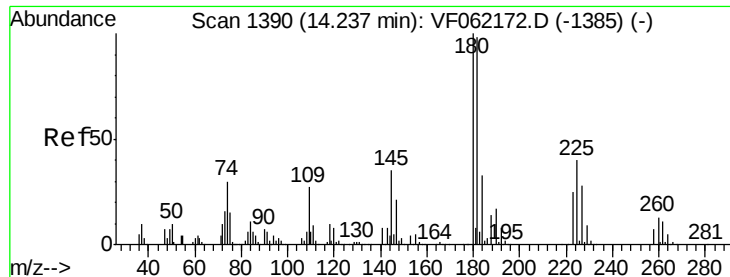
50

0

13.66 13.67 13.68 13.69

Time-->

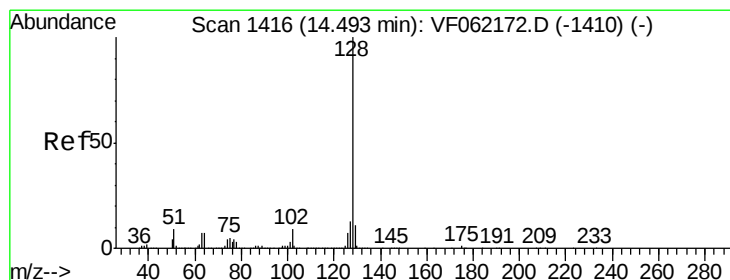
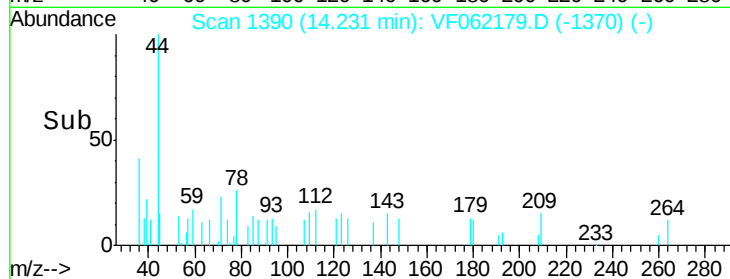
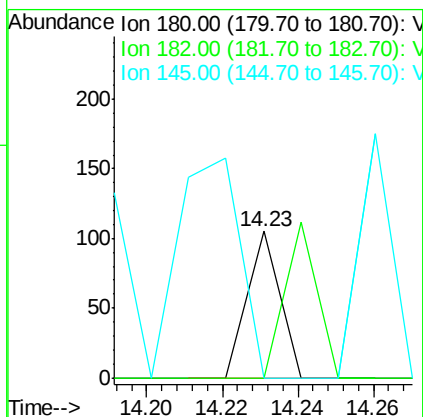
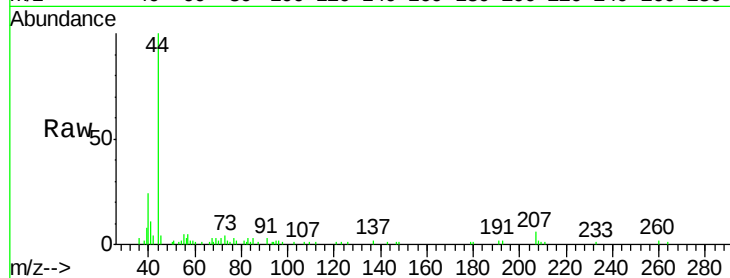




#93
 1,2,4-Trichlorobenzene
 Concen: 31.617 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

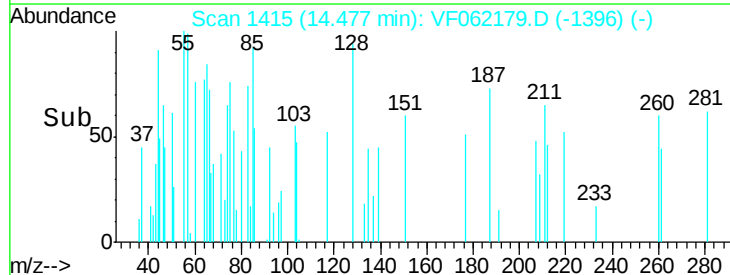
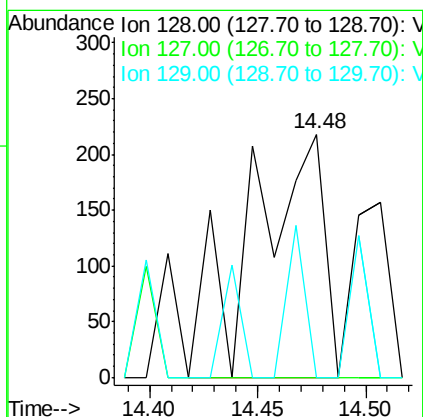
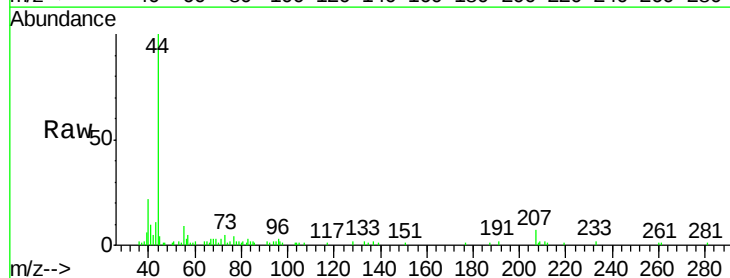
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1RE

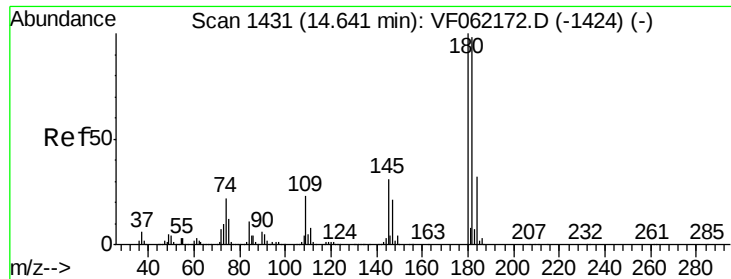
Tot Ion:180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.8 146.4#
 145 0.0 17.3 52.0#



#95
 Naphthalene
 Concen: 148.570 ug/l
 RT: 14.48 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: VF062179.D
 Acq: 16 Apr 2019 16:46

Tgt Ion:128 Resp: 509
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 9.2 13.8#





#96

1,2,3-Trichlorobenzene

Concen: 36.125 ug/l

RT: 14.58 min Scan# 1425

Delta R.T. -0.07 min

Lab File: VF062179.D

Acq: 16 Apr 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TP-1RE

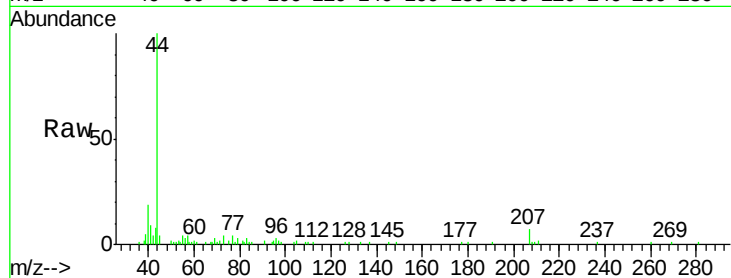
Tot Ion:180 Resp: 66

Ion Ratio Lower Upper

180 100

182 0.0 49.0 147.2#

145 140.5 15.4 46.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

