

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062181.D
 Acq On : 16 Apr 2019 17:44
 Operator : FY/SY
 Sample : K2345-07RE
 Misc : 3.44g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

Quant Time: Apr 17 08:07:18 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	5.03	168	85	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.66	114	65	50.00	ug/l	-0.12
63) Chlorobenzene-d5	9.64	117	62	50.00	ug/l	-0.27
72) 1,4-Dichlorobenzene-d4	12.61	152	64	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	99	129.34	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	258.68%	
35) Dibromofluoromethane	4.33	113	60	117.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	234.04%	
50) Toluene-d8	7.54	98	141	94.10	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	188.20%	
62) 4-Bromofluorobenzene	11.26	95	1195	2019.59	ug/l	-0.24
Spiked Amount	50.000		Recovery	=	4039.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	853	683.987	ug/l #	41
3) Chloromethane	1.11	50	160	119.212	ug/l #	43
4) Vinyl Chloride	1.09	62	70	59.613	ug/l #	43
5) Bromomethane	1.33	94	107	141.700	ug/l	86
6) Chloroethane	1.45	64	192	345.337	ug/l #	1
8) Diethyl Ether	1.69	74	116	409.163	ug/l	75
11) Tert butyl alcohol	2.64	59	214	5043.905	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	451	483.450	ug/l #	1
13) Acrolein	2.05	56	606	18132.286	ug/l	93
14) Allyl chloride	2.19	41	448	318.938	ug/l #	56
15) Acrylonitrile	3.07	53	109	691.411	ug/l #	25
16) Acetone	2.34	43	3332	19307.114	ug/l #	80
17) Carbon Disulfide	1.91	76	61	23.083	ug/l #	1
18) Methyl Acetate	2.42	43	2068	Below Cal	#	87
19) Methyl tert-butyl Ether	2.50	73	210	135.336	ug/l #	1
20) Methylene Chloride	2.34	84	180	239.399	ug/l #	8
21) trans-1,2-Dichloroethene	2.42	96	659	738.328	ug/l #	1
22) Diisopropyl ether	2.87	45	651	249.326	ug/l #	11
23) Vinyl Acetate	3.31	43	906	695.622	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	273	187.756	ug/l #	86
25) 2-Butanone	4.49	43	911	2457.391	ug/l #	57
26) 2,2-Dichloropropane	3.68	77	178	232.748	ug/l	85
27) cis-1,2-Dichloroethene	3.63	96	427	360.398	ug/l	1
28) Bromochloromethane	3.86	49	91	130.699	ug/l #	14
29) Tetrahydrofuran	4.28	42	137	830.885	ug/l #	1
30) Chloroform	4.14	83	408	225.703	ug/l	94
31) Cyclohexane	3.91	56	491	261.379	ug/l #	27
32) 1,1,1-Trichloroethane	4.28	97	747	606.019	ug/l #	21
36) 1,1-Dichloropropene	4.40	75	63	87.234	ug/l #	1
37) Ethyl Acetate	4.23	43	378	1135.910	ug/l #	17
38) Carbon Tetrachloride	4.10	117	67	107.785	ug/l #	11
39) Methylcyclohexane	5.51	83	398	439.767	ug/l #	4
40) Benzene	4.70	78	269	141.009	ug/l #	1
41) Methacrylonitrile	4.82	41	577	2885.730	ug/l #	74

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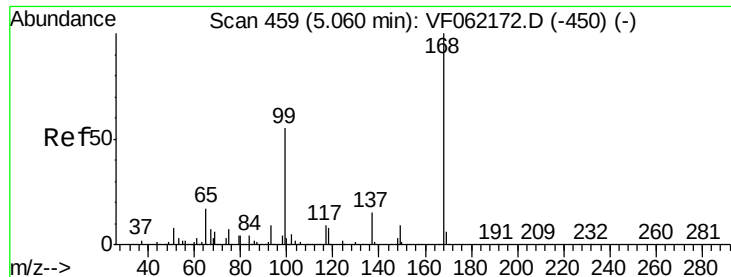
Instrument :
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Quant Time: Apr 17 08:07:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.01	62	60	124.267	ug/l	71
43) Isopropyl Acetate	6.95	43	568	1477.377	ug/l #	46
45) 1,2-Dichloropropane	6.29	63	68	145.300	ug/l #	1
46) Dibromomethane	6.11	93	96	340.175	ug/l #	41
47) Bromodichloromethane	6.45	83	906	1417.077	ug/l #	24
48) Methyl methacrylate	6.76	41	369	1465.829	ug/l #	74
51) 4-Methyl-2-Pentanone	8.20	43	356	1201.598	ug/l #	59
52) Toluene	7.64	92	76	67.816	ug/l	85
53) t-1,3-Dichloropropene	8.25	75	172	310.589	ug/l #	38
54) cis-1,3-Dichloropropene	7.29	75	84	119.286	ug/l #	1
55) 1,1,2-Trichloroethane	8.45	97	687	2140.381	ug/l #	48
56) Ethyl methacrylate	8.56	69	161	421.834	ug/l #	3
57) 1,3-Dichloropropane	8.80	76	169	320.270	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.32	63	122	1240.634	ug/l #	50
59) 2-Hexanone	9.37	43	1802	9570.217	ug/l #	25
60) Dibromochloromethane	8.57	129	64	144.921	ug/l #	12
61) 1,2-Dibromoethane	8.93	107	318	926.042	ug/l	92
64) Tetrachloroethene	8.43	164	62	122.437	ug/l #	1
65) Chlorobenzene	9.92	112	60	46.520	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	116	217.853	ug/l	83
67) Ethyl Benzene	10.01	91	309	129.245	ug/l #	44
68) m/p-Xylenes	10.33	106	64	72.719	ug/l	84
69) o-Xylene	10.84	106	209	219.339	ug/l	39
70) Styrene	10.95	104	364	262.673	ug/l #	8
73) Isopropylbenzene	11.18	105	545	98.846	ug/l #	49
74) N-amyl acetate	11.43	43	538	462.059	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.77	83	688	700.482	ug/l #	48
76) 1,2,3-Trichloropropane	11.80	75	235	352.805	ug/l #	1
77) Bromobenzene	11.60	156	59	51.454	ug/l #	1
78) n-propylbenzene	11.72	91	754	120.310	ug/l	94
79) 2-Chlorotoluene	11.77	91	489	132.369	ug/l #	67
80) 1,3,5-Trimethylbenzene	11.86	105	1408	306.189	ug/l	63
81) trans-1,4-Dichloro-2-buten	11.97	75	163	489.292	ug/l #	1
82) 4-Chlorotoluene	11.97	91	822	227.056	ug/l #	43
83) tert-Butylbenzene	12.21	119	243	53.217	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	502	112.486	ug/l	66
85) sec-Butylbenzene	12.29	105	533	88.770	ug/l	99
86) p-Isopropyltoluene	12.49	119	600	117.298	ug/l #	1
87) 1,3-Dichlorobenzene	12.53	146	277	132.037	ug/l #	52
88) 1,4-Dichlorobenzene	12.61	146	68	33.245	ug/l #	1
89) n-Butylbenzene	12.93	91	1424	Below Cal	#	46
90) Hexachloroethane	12.86	117	386	308.063	ug/l	62
91) 1,2-Dichlorobenzene	13.03	146	144	71.524	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.67	75	222	1254.969	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.23	180	76	50.262	ug/l #	1
95) Naphthalene	14.45	128	102	38.611	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	83	58.917	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

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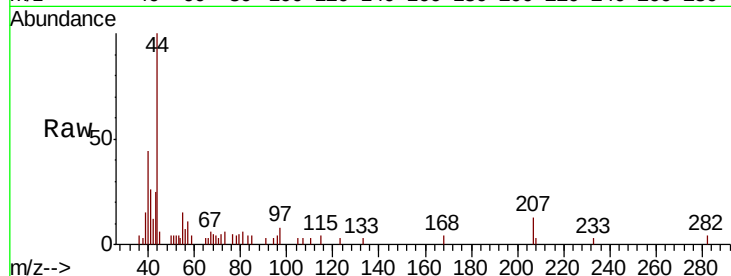
TP-3RE

Tot Ion:168 Resp: 85

Ion Ratio Lower Upper

168 100

99 0.0 44.2 66.4#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

150

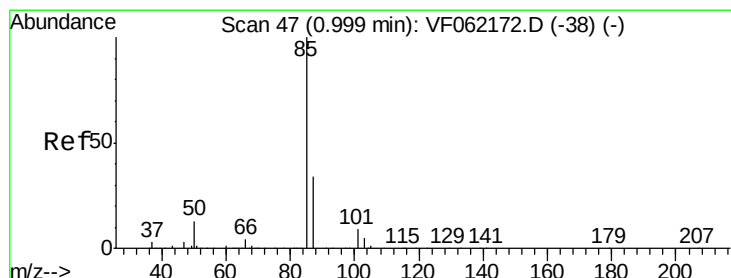
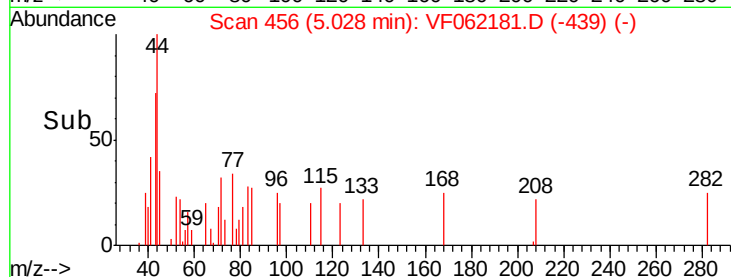
100

50

0

5.00 5.02 5.04 5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 683.987 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF062181.D

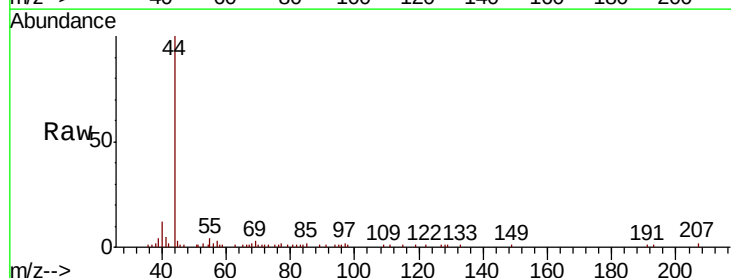
Acq: 16 Apr 2019 17:44

Tgt Ion: 85 Resp: 853

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

300

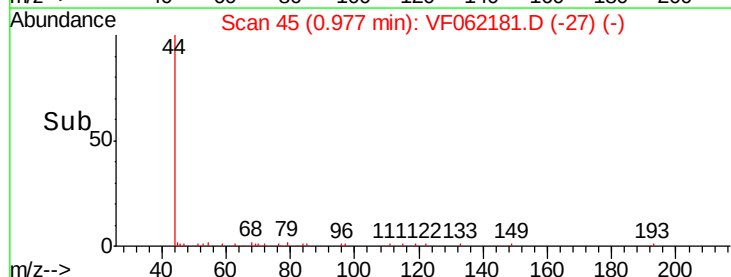
200

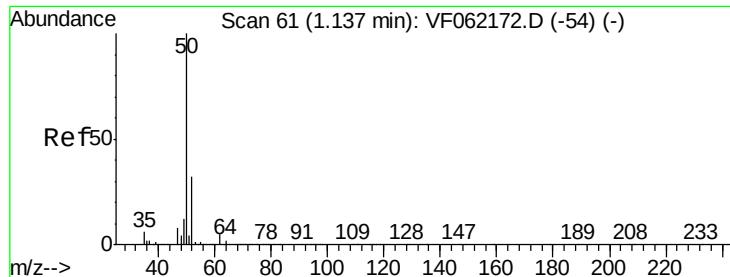
100

0

0.95 1.00 1.05 1.10

Time-->





#3

Chloromethane

Concen: 119.212 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

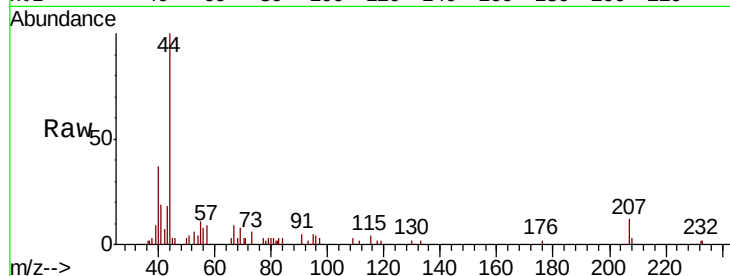
TP-3RE

Tot Ion: 50 Resp: 160

Ion Ratio Lower Upper

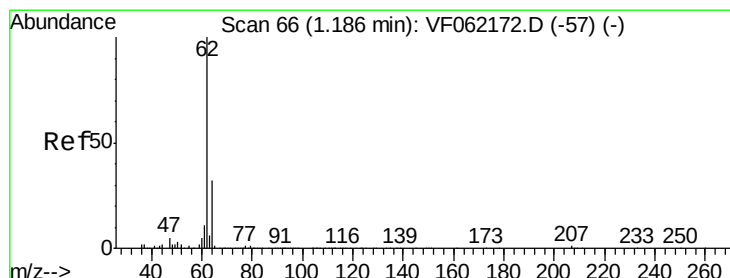
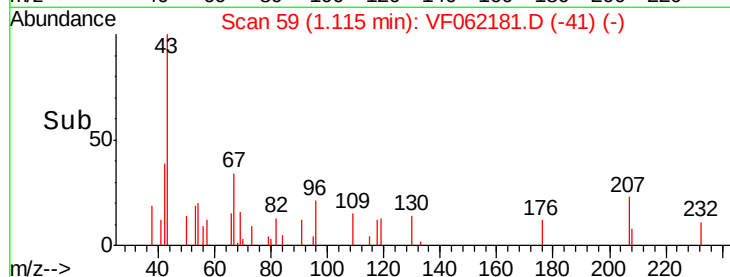
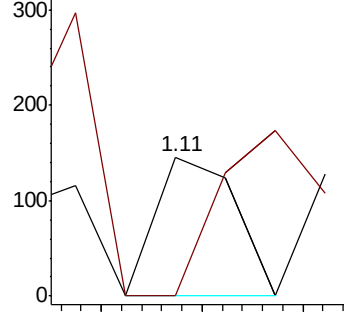
50 100

52 0.0 25.4 38.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 59.613 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.10 min

Lab File: VF062181.D

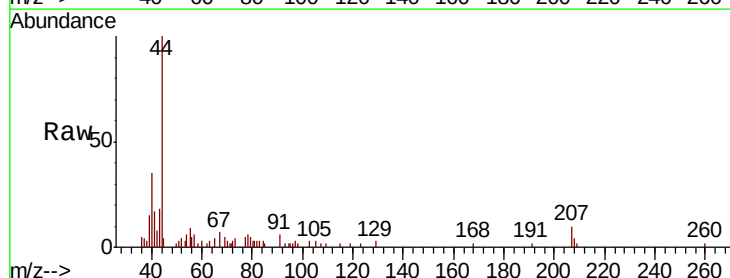
Acq: 16 Apr 2019 17:44

Tgt Ion: 62 Resp: 70

Ion Ratio Lower Upper

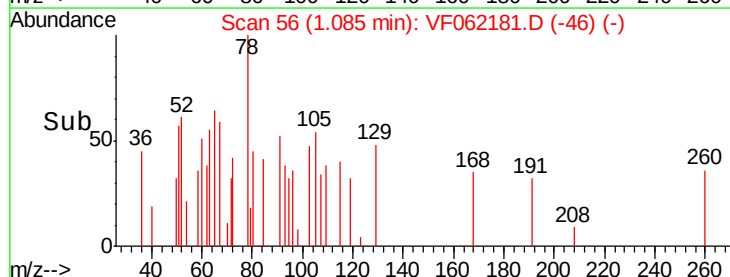
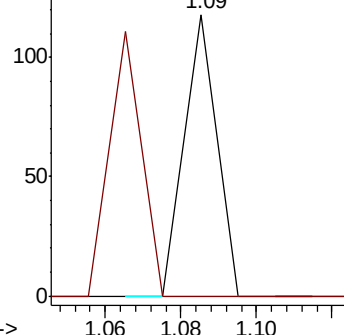
62 100

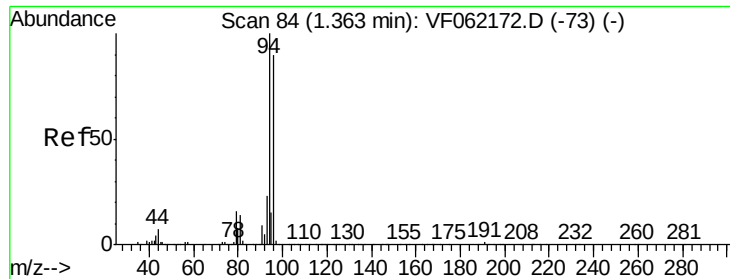
64 0.0 25.4 38.0#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 141.700 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.03 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

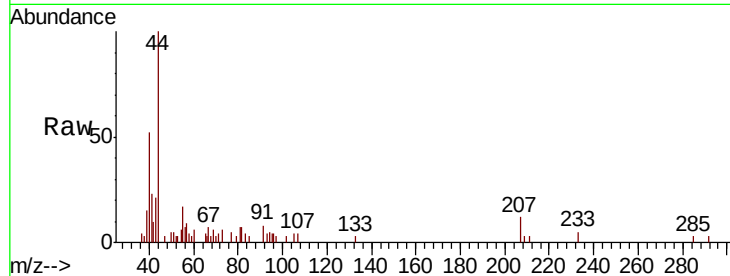
TP-3RE

Tot Ion: 94 Resp: 107

Ion Ratio Lower Upper

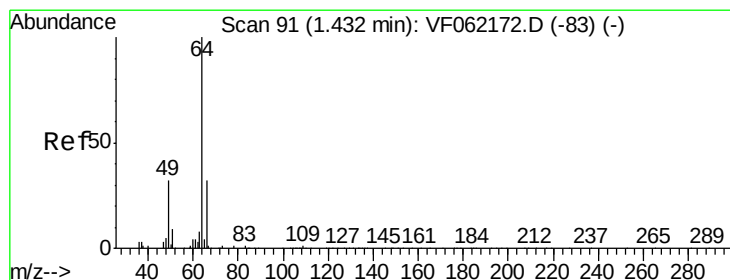
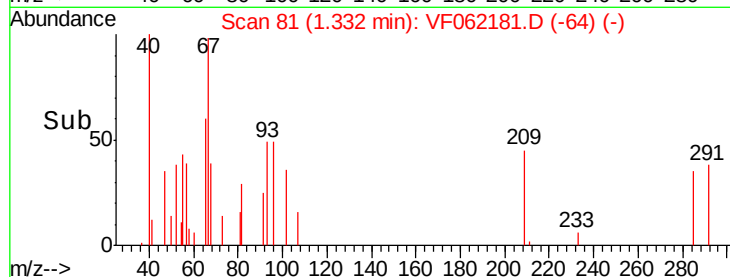
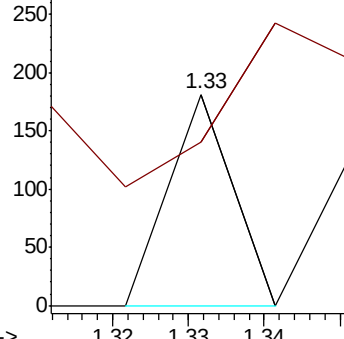
94 100

96 77.3 72.3 108.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 345.337 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.02 min

Lab File: VF062181.D

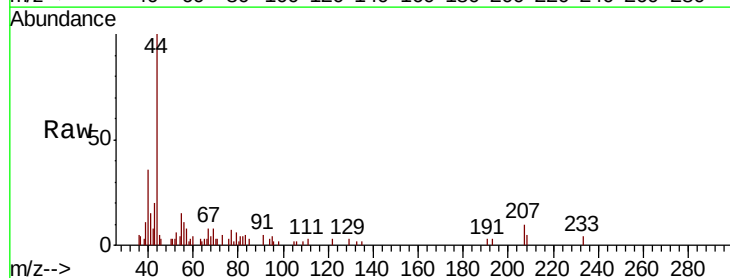
Acq: 16 Apr 2019 17:44

Tgt Ion: 64 Resp: 192

Ion Ratio Lower Upper

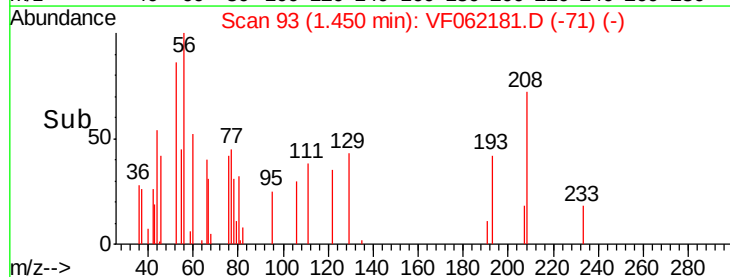
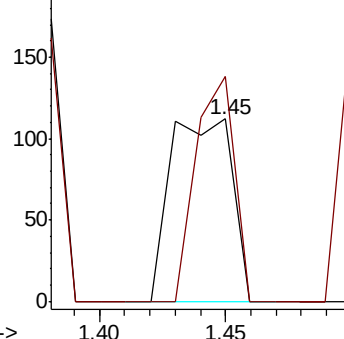
64 100

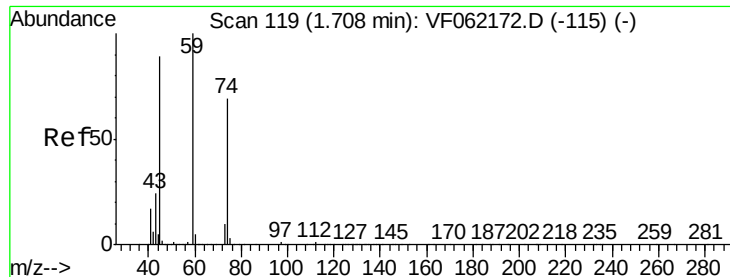
66 123.2 25.7 38.5#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 409.163 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

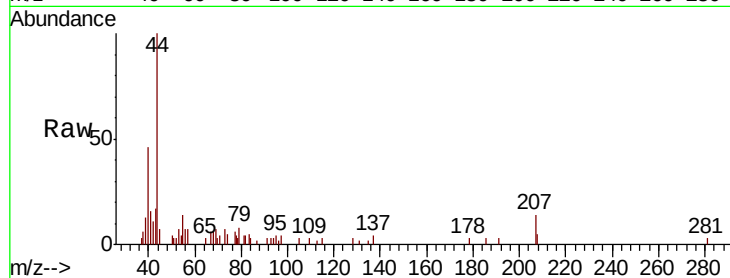
TP-3RE

Tot Ion: 74 Resp: 116

Ion Ratio Lower Upper

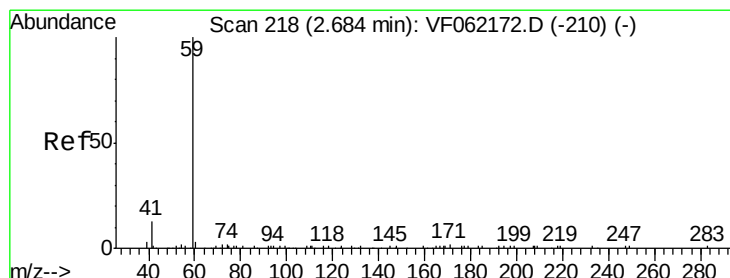
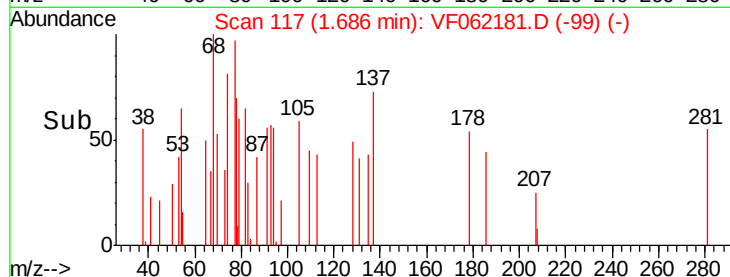
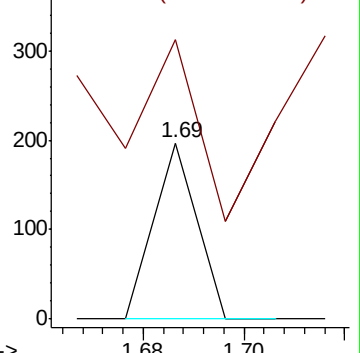
74 100

45 158.4 64.7 194.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 5043.905 ug/l

RT: 2.64 min Scan# 214

Delta R.T. -0.04 min

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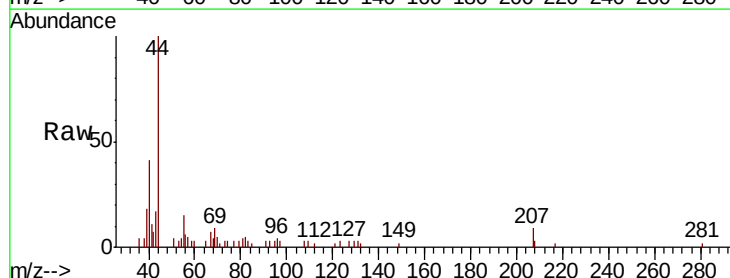
Acq: 16 Apr 2019 17:44

Tgt Ion: 59 Resp: 214

Ion Ratio Lower Upper

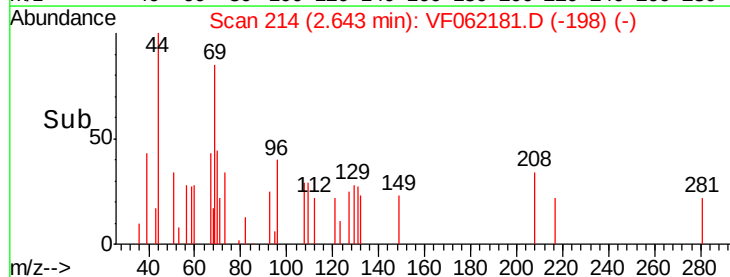
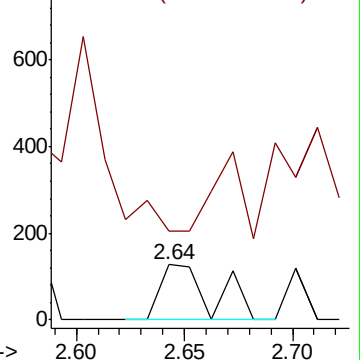
59 100

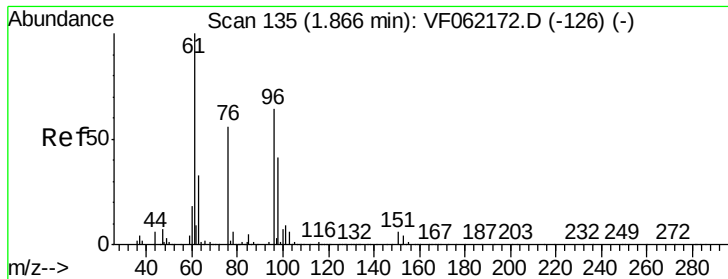
57 161.4 14.2 21.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

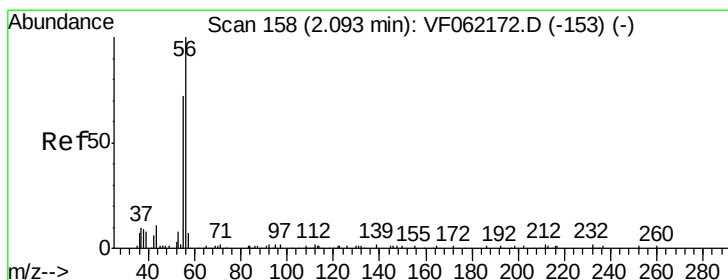
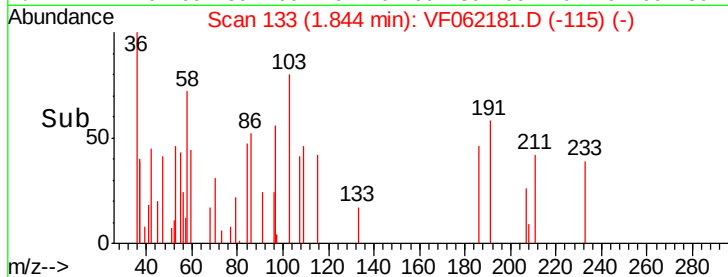
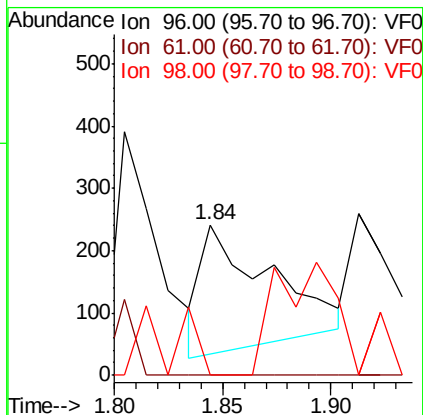
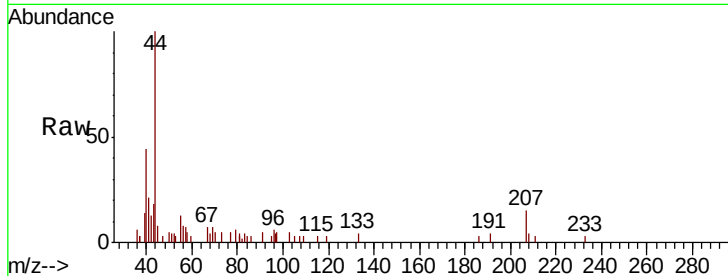




#12
 1,1-Dichloroethene
 Concen: 483.450 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.02 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

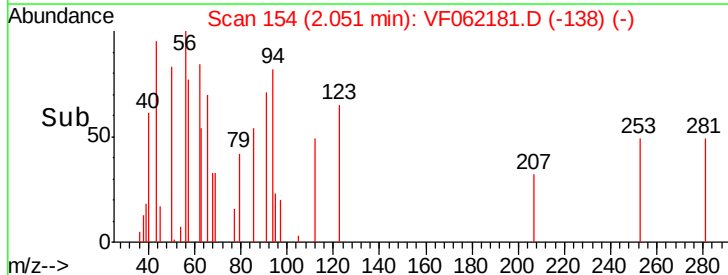
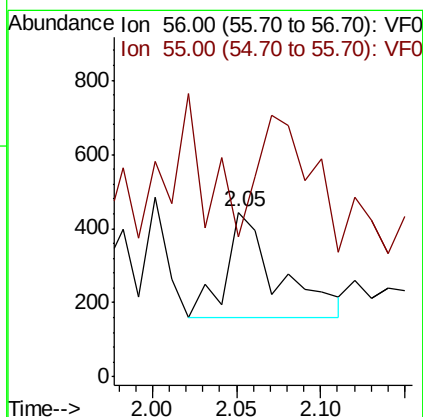
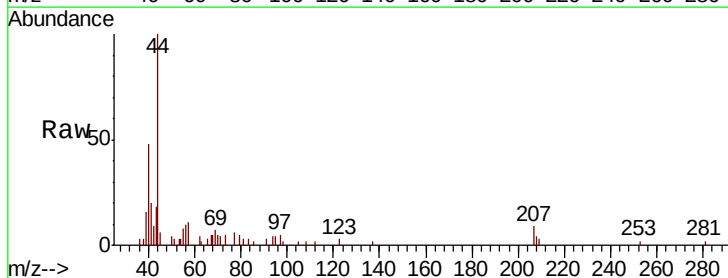
Instrument :
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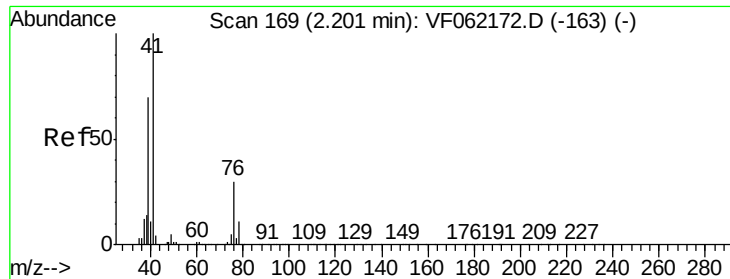
Tot Ion: 96 Resp: 451
 Ion Ratio Lower Upper
 96 100
 61 0.0 124.6 187.0#
 98 0.0 51.5 77.3#



#13
 Acrolein
 Concen: 18132.286 ug/l
 RT: 2.05 min Scan# 154
 Delta R.T. -0.04 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Tgt Ion: 56 Resp: 606
 Ion Ratio Lower Upper
 56 100
 55 84.9 62.9 94.3

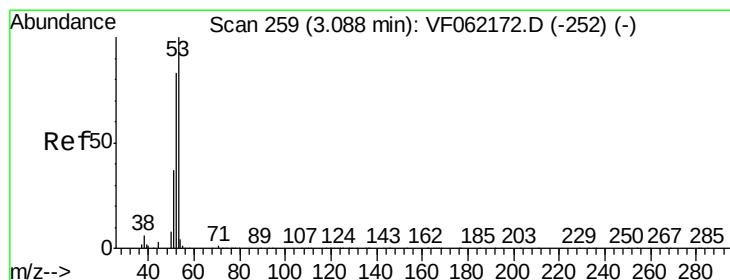
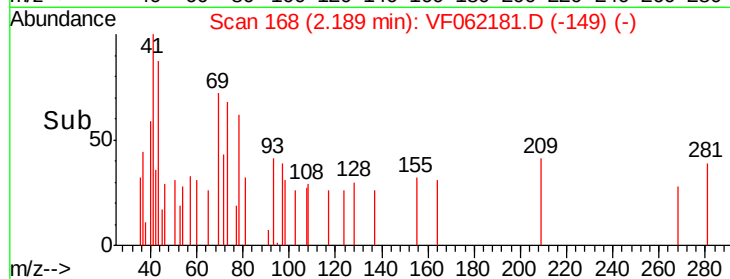
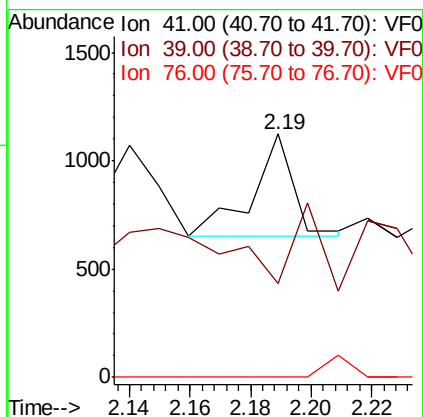
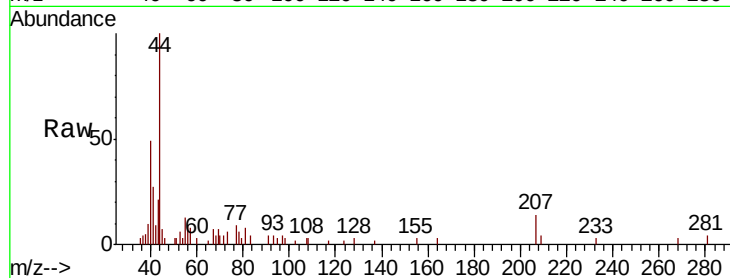




#14
Allvl chloride
Concen: 318.938 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

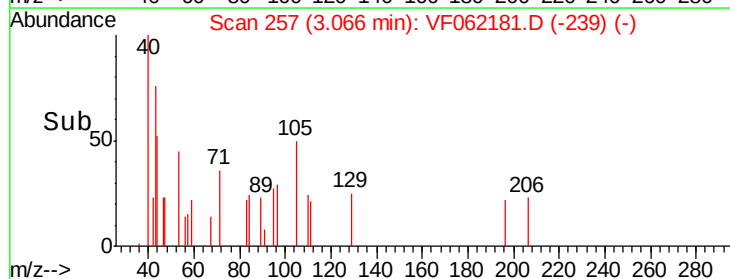
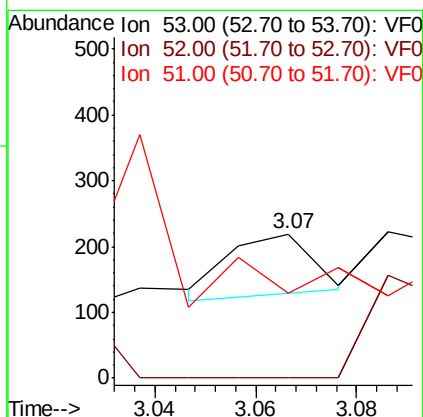
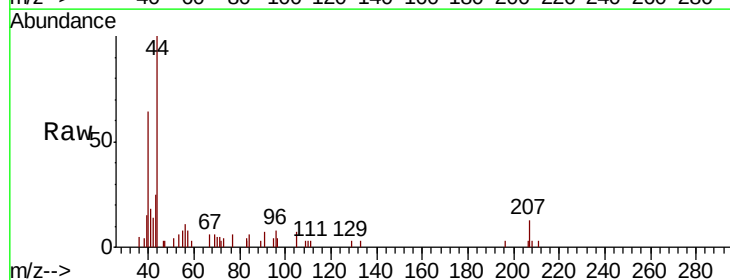
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

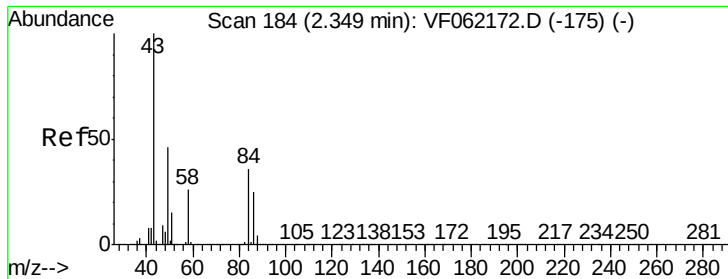
Tot Ion: 41 Resp: 448
Ion Ratio Lower Upper
41 100
39 38.8 56.1 84.1#
76 0.0 24.9 37.3#



#15
Acrylonitrile
Concen: 691.411 ug/l
RT: 3.07 min Scan# 257
Delta R.T. -0.02 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion: 53 Resp: 109
Ion Ratio Lower Upper
53 100
52 0.0 66.6 99.8#
51 58.9 30.1 45.1#

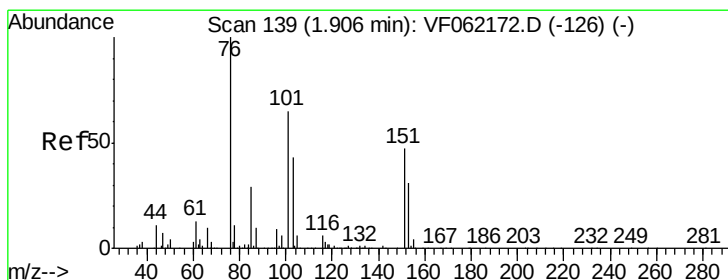
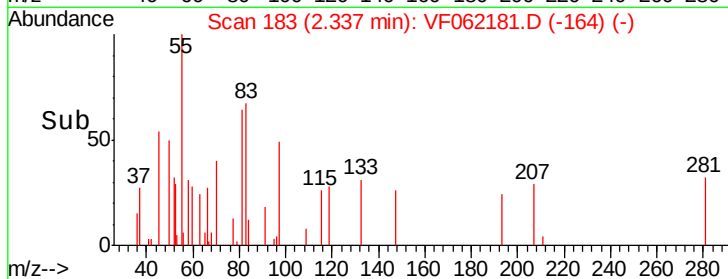
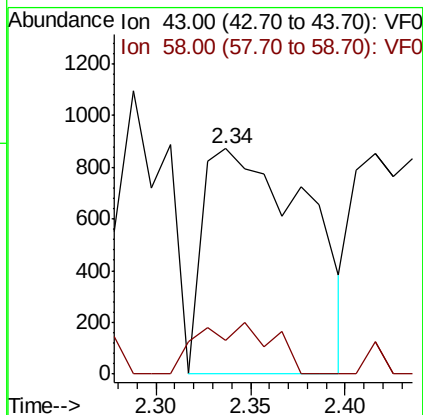
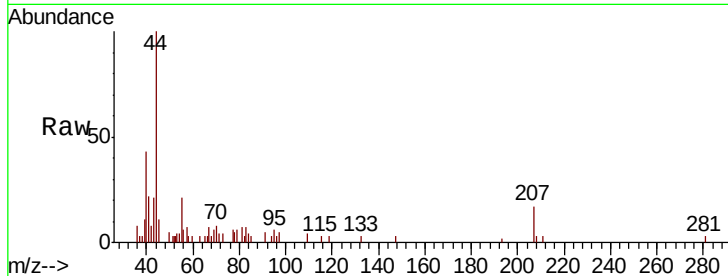




#16
Acetone
Concen: 19307.114 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

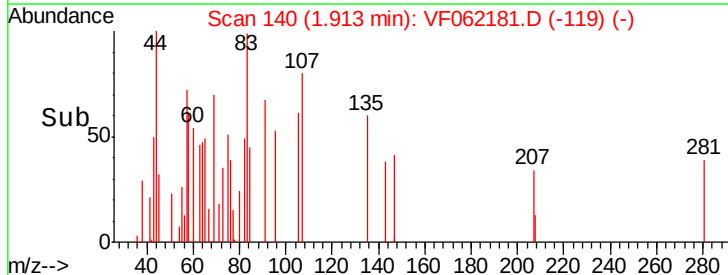
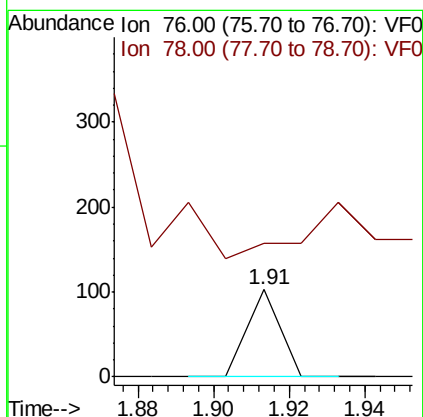
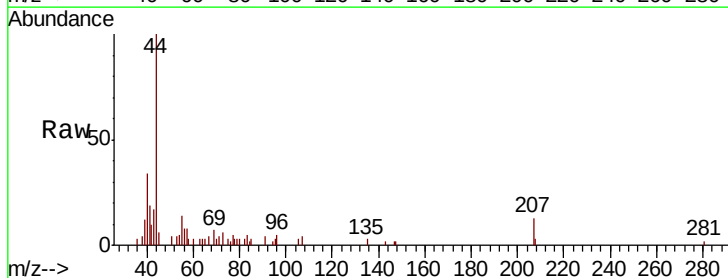
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

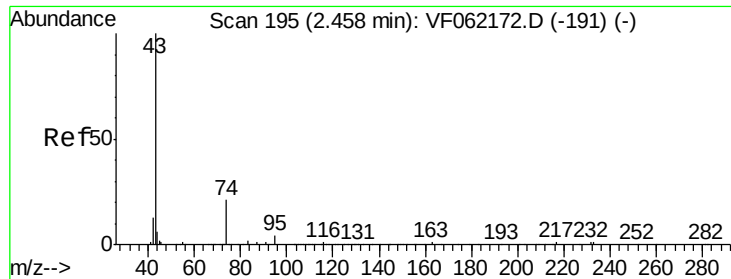
Tot Ion: 43 Resp: 3332
Ion Ratio Lower Upper
43 100
58 15.0 20.2 30.2#



#17
Carbon Disulfide
Concen: 23.083 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion: 76 Resp: 61
Ion Ratio Lower Upper
76 100
78 152.4 9.1 13.7#

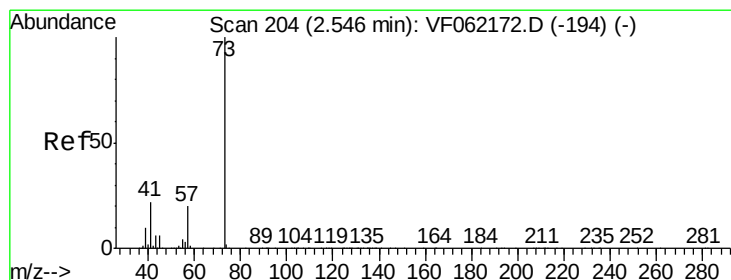
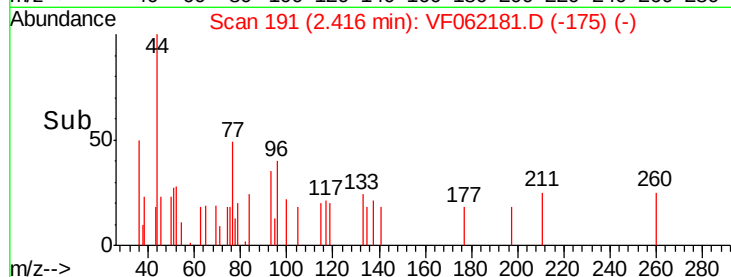
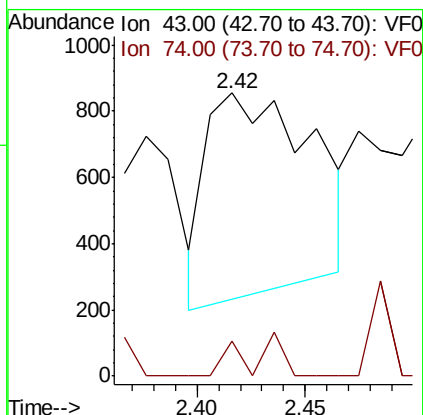
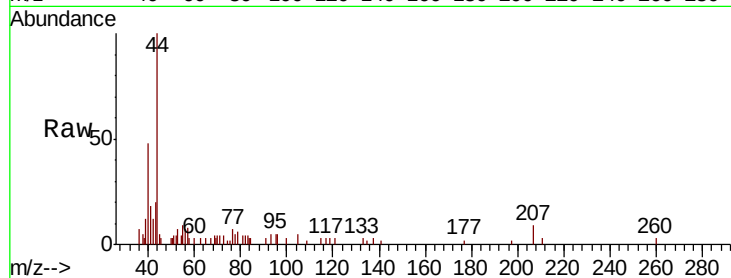




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. -0.04 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

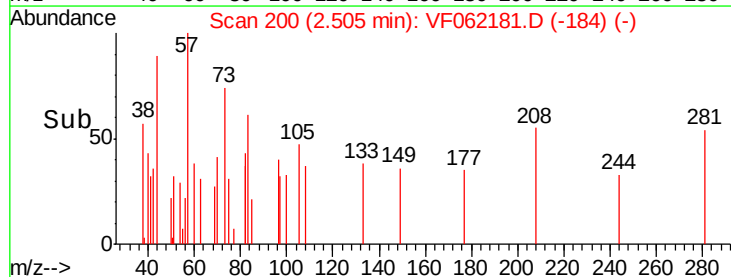
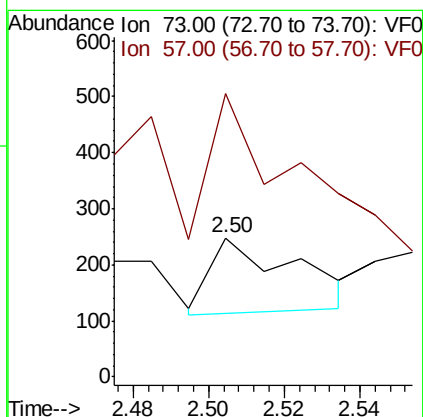
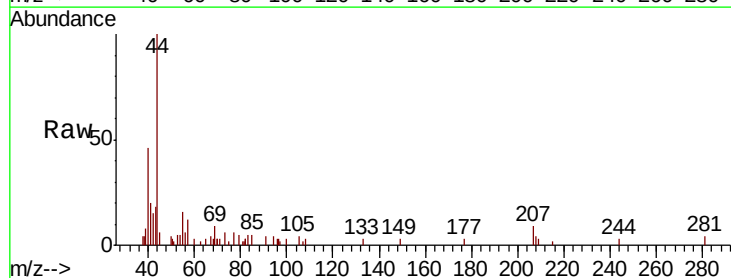
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

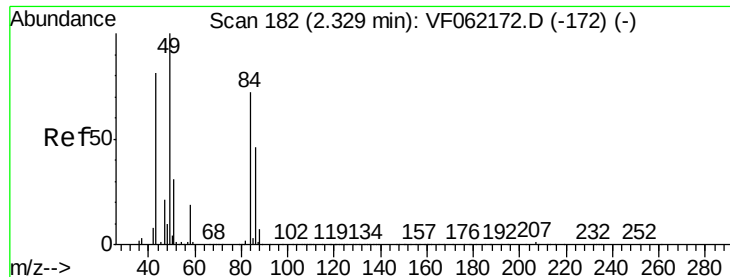
Tot Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
74 12.2 14.2 21.4#



#19
Methyl tert-butyl Ether
Concen: 135.336 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.04 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion: 73 Resp: 210
Ion Ratio Lower Upper
73 100
57 203.6 16.8 25.2#

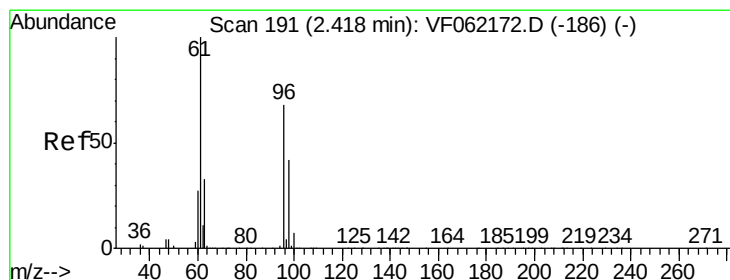
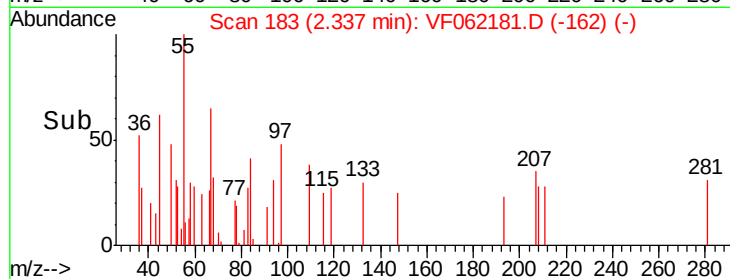
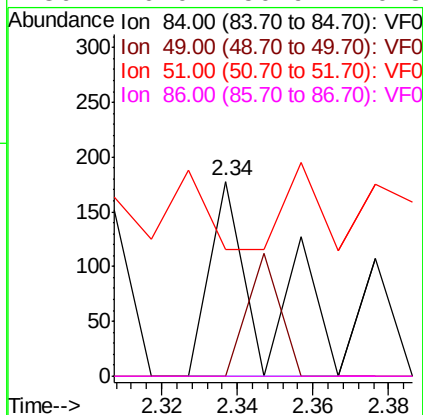
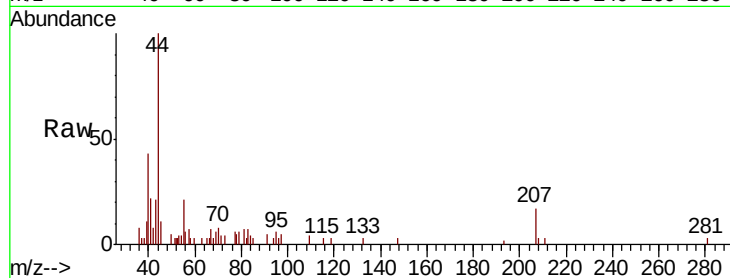




#20
Methylene Chloride
Concen: 239.399 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

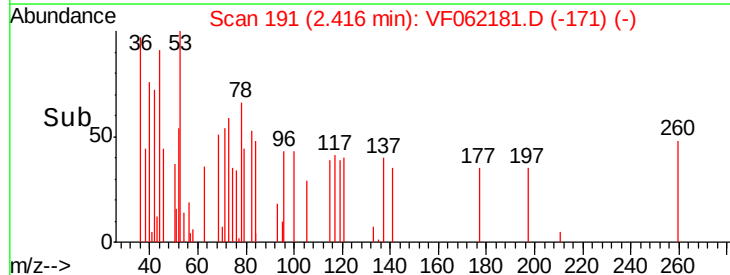
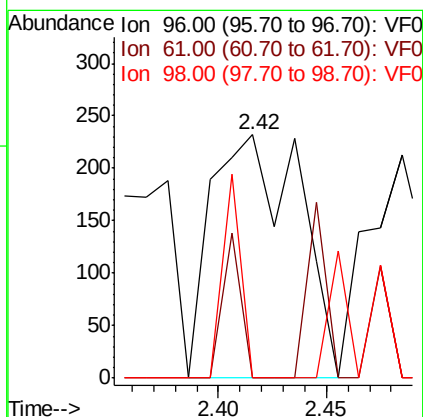
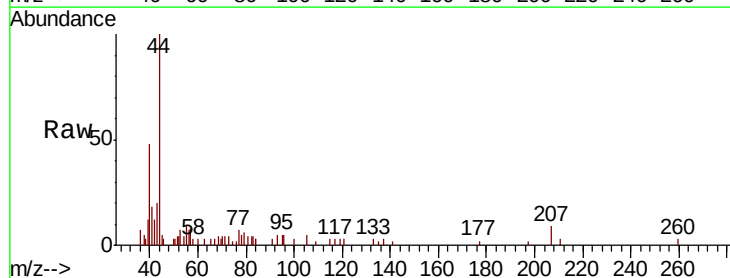
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

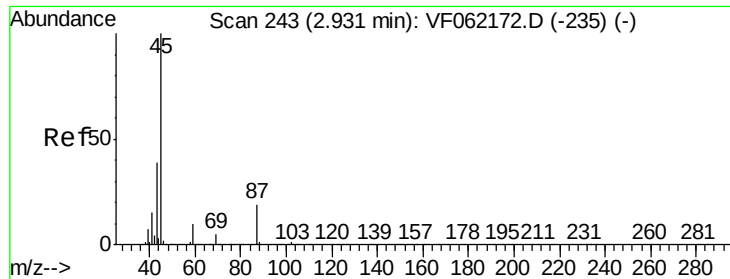
Tot Ion: 84 Resp: 180
Ion Ratio Lower Upper
84 100
49 0.0 111.5 167.3#
51 65.2 34.9 52.3#
86 0.0 50.9 76.3#



#21
trans-1,2-Dichloroethene
Concen: 738.328 ug/l
RT: 2.42 min Scan# 191
Delta R.T. -0.00 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion: 96 Resp: 659
Ion Ratio Lower Upper
96 100
61 0.0 117.4 176.2#
98 0.0 49.8 74.8#





#22

Diisopropyl ether

Concen: 249.326 ug/l

RT: 2.87 min Scan# 237

Delta R.T. -0.06 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

Tot Ion: 45 Resp: 651

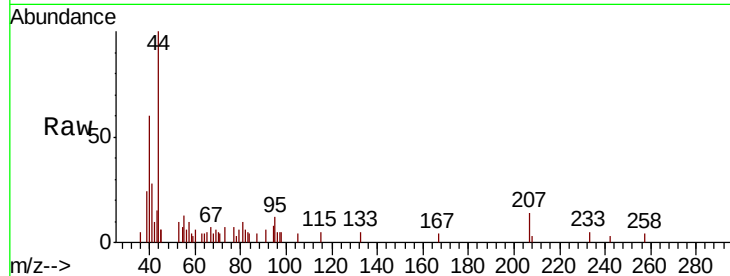
Ion Ratio Lower Upper

45 100

43 121.7 32.5 48.7#

87 28.6 14.9 22.3#

59 26.4 7.8 11.8#

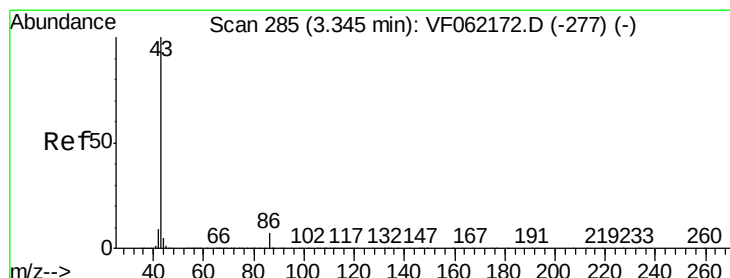
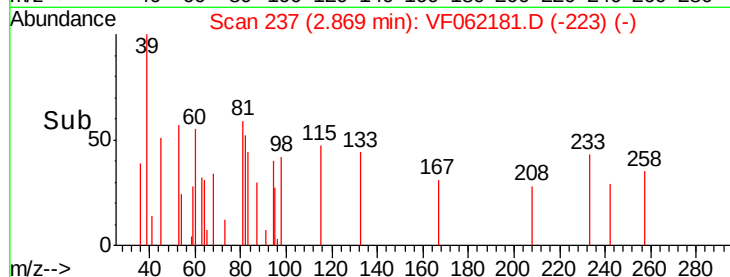
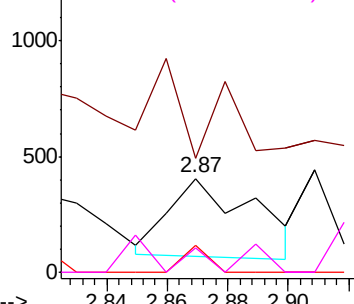


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 695.622 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.03 min

Lab File: VF062181.D

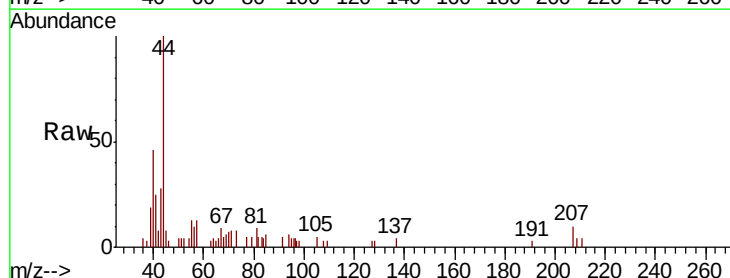
Acq: 16 Apr 2019 17:44

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

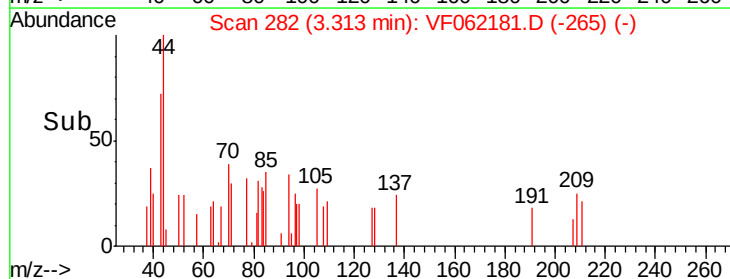
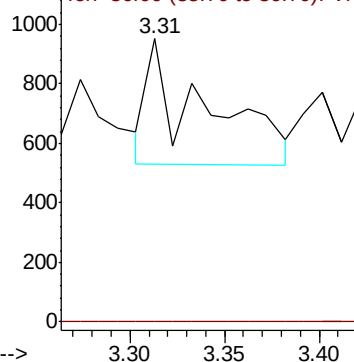
43 100

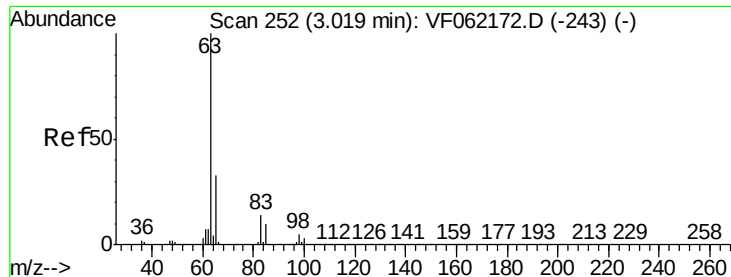
86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 187.756 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

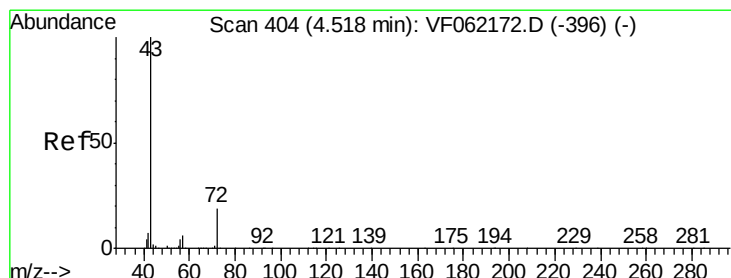
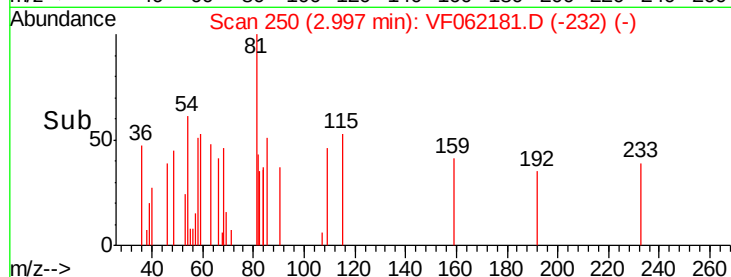
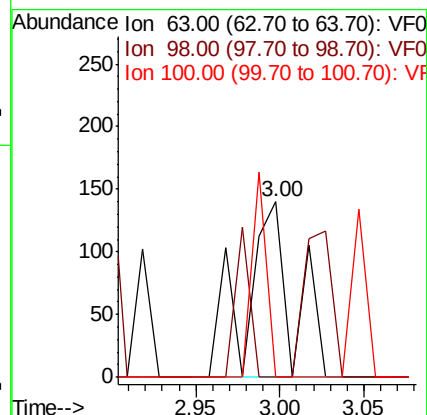
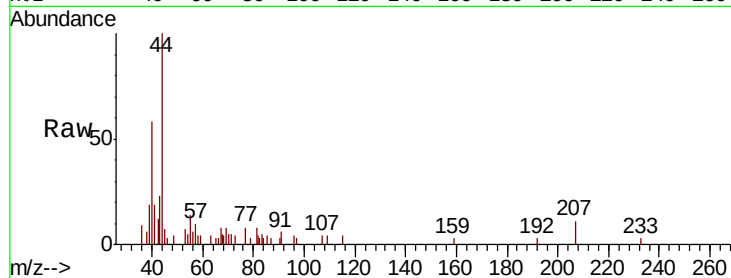
Tot Ion: 63 Resp: 273

Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.7 5.1#



#25

2-Butanone

Concen: 2457.391 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF062181.D

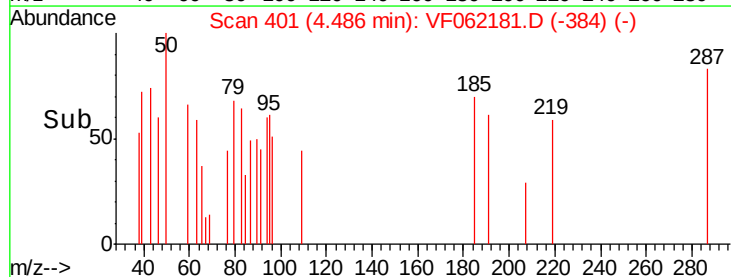
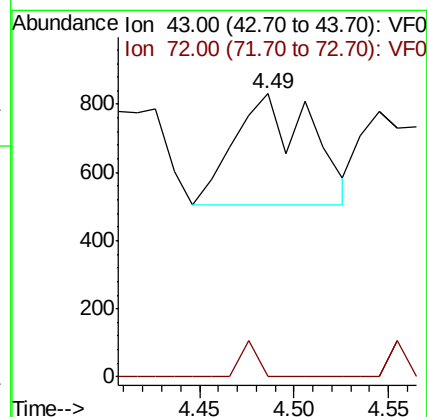
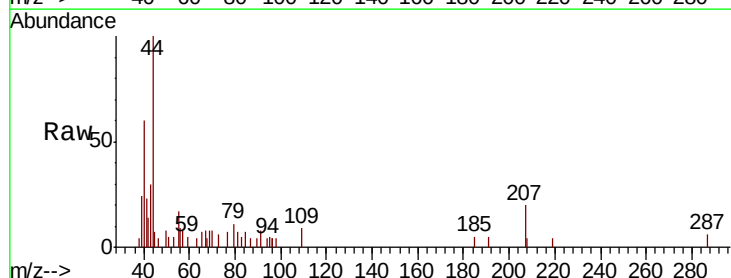
Acq: 16 Apr 2019 17:44

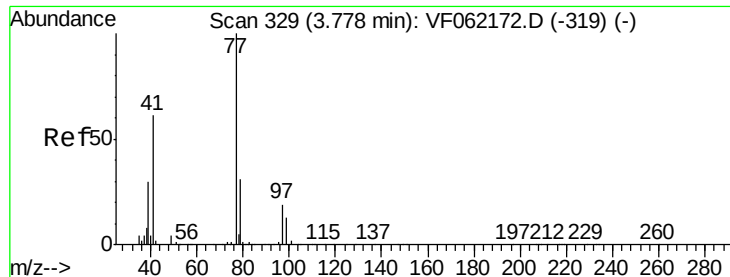
Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#





#26

2,2-Dichloropropane

Concen: 232.748 ug/l

RT: 3.68 min Scan# 319

Delta R.T. -0.10 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

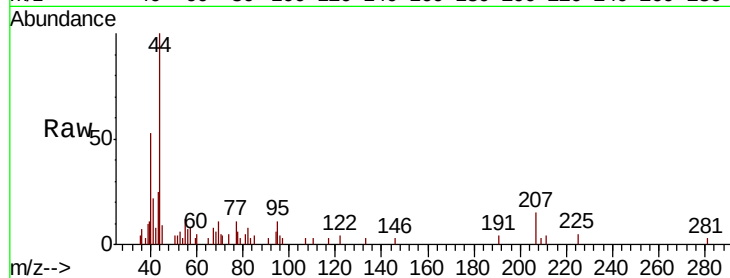
TP-3RE

Tot Ion: 77 Resp: 178

Ion Ratio Lower Upper

77 100

97 27.8 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.68

400

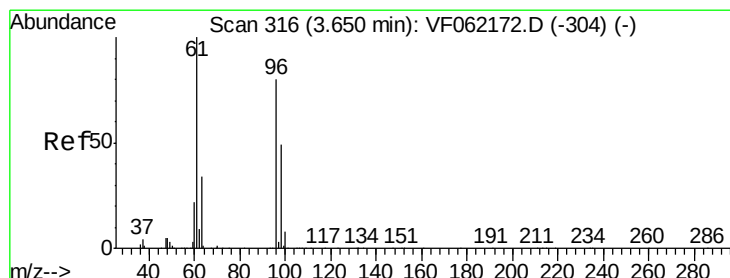
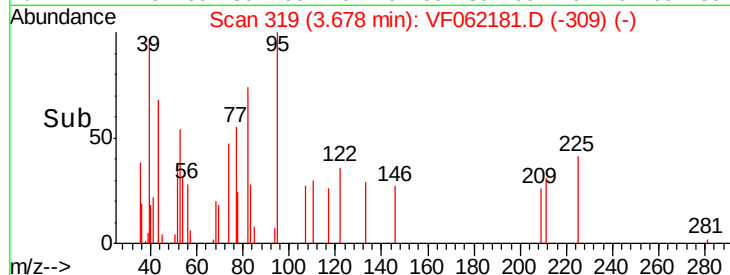
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 360.398 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

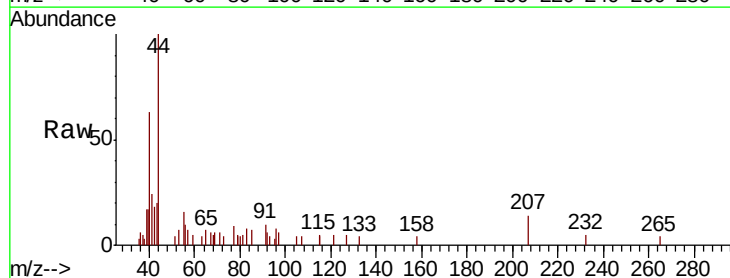
Tgt Ion: 96 Resp: 427

Ion Ratio Lower Upper

96 100

61 0.0 0.0 248.2

98 0.0 0.0 122.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

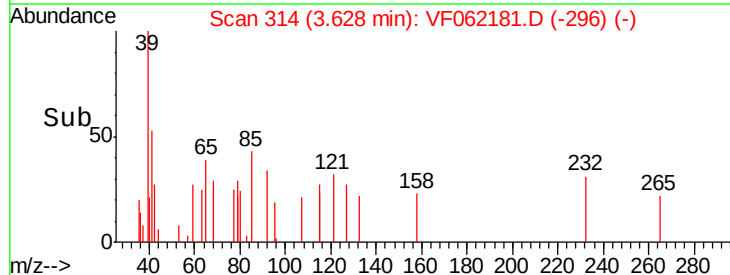
300

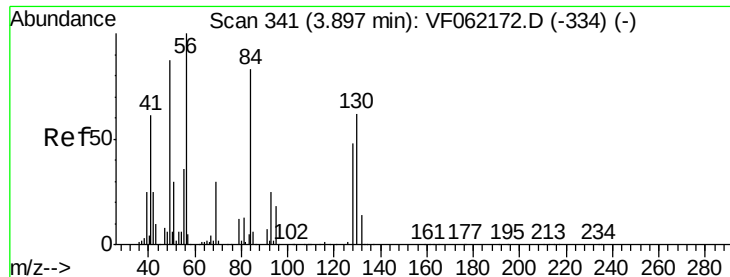
200

100

0

Time-->





#28

Bromochloromethane

Concen: 130.699 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.04 min

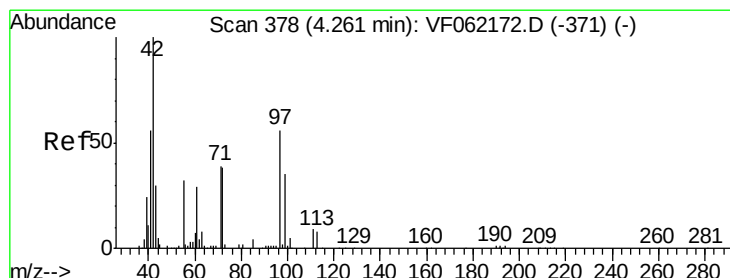
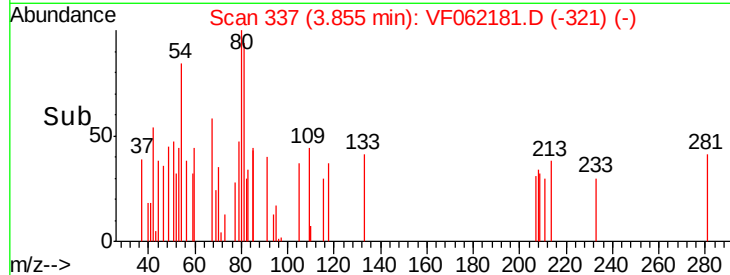
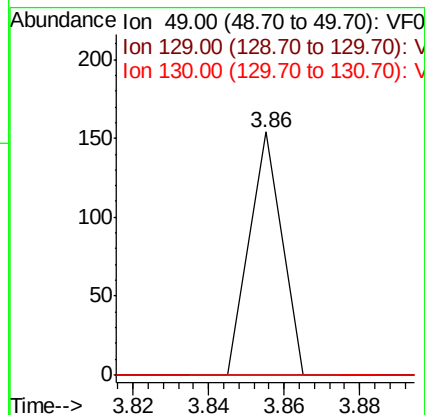
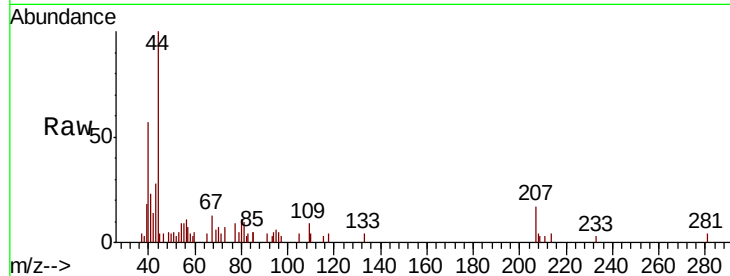
Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :
MSVOA_F
ClientSampled :
TP-3RE

Tot Ion: 49 Resp: 91

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



#29

Tetrahydrofuran

Concen: 830.885 ug/l

RT: 4.28 min Scan# 380

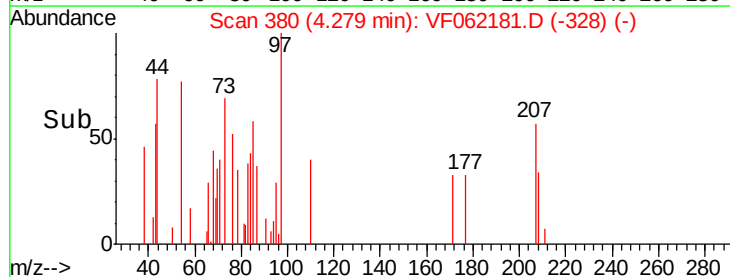
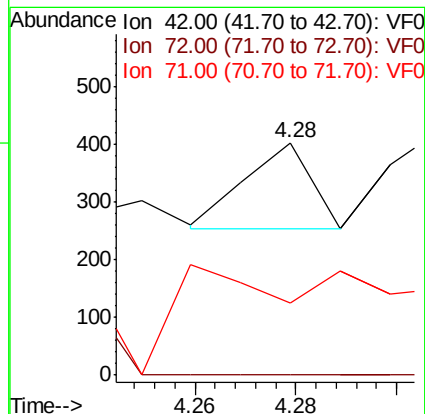
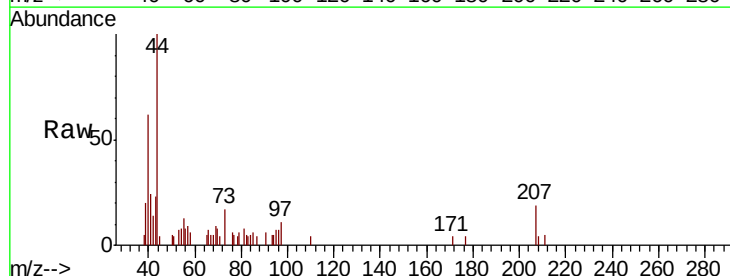
Delta R.T. 0.02 min

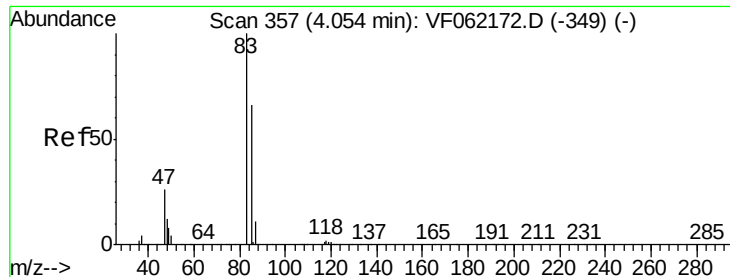
Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Tgt Ion: 42 Resp: 137

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	205.8	30.8	46.2#

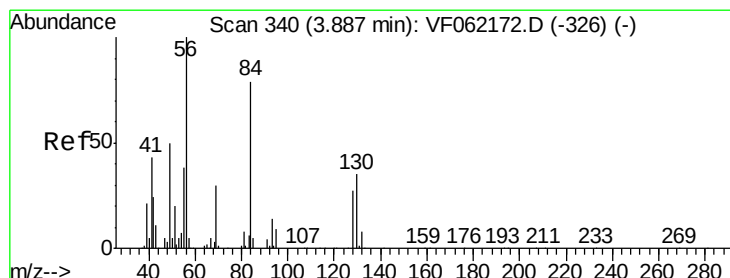
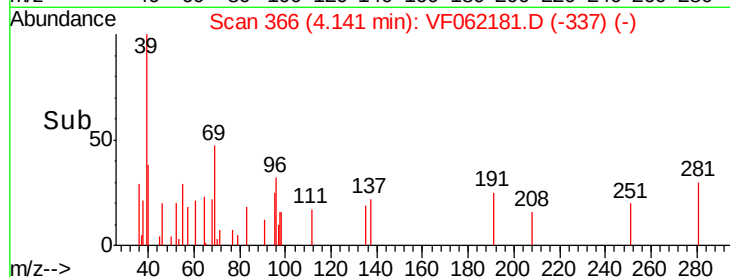
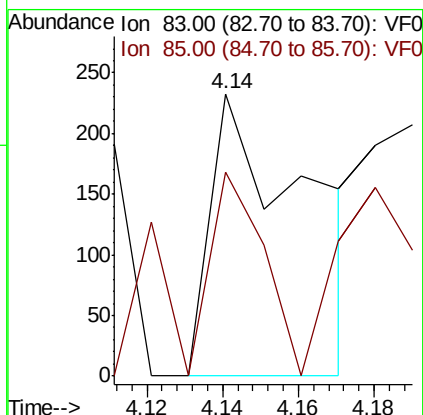
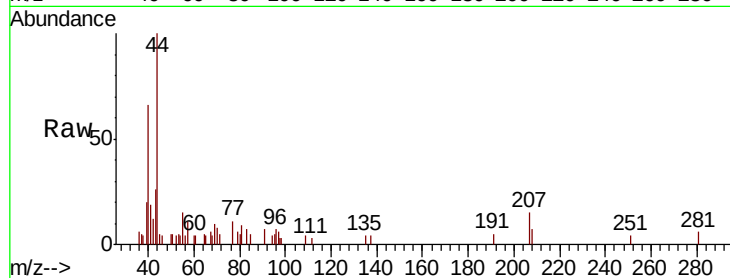




#30
Chloroform
Concen: 225.703 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.09 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

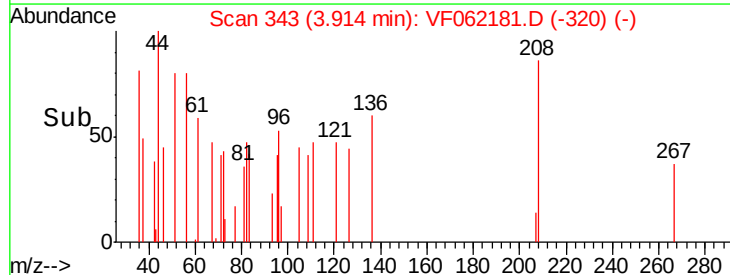
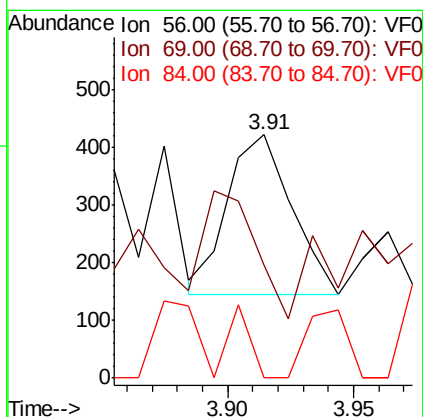
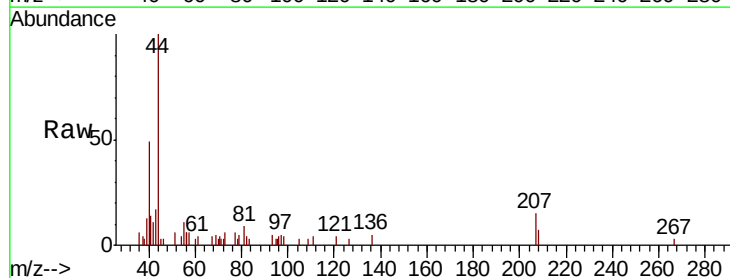
Instrument :
MSVOA_F
ClientSampleId :
TP-3RE

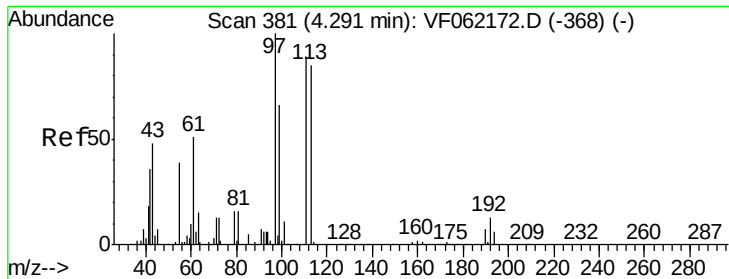
Tot Ion: 83 Resp: 408
Ion Ratio Lower Upper
83 100
85 72.1 53.5 80.3



#31
Cyclohexane
Concen: 261.379 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion: 56 Resp: 491
Ion Ratio Lower Upper
56 100
69 46.2 24.4 36.6#
84 0.0 63.4 95.2#





#32

1,1,1-Trichloroethane

Concen: 606.019 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

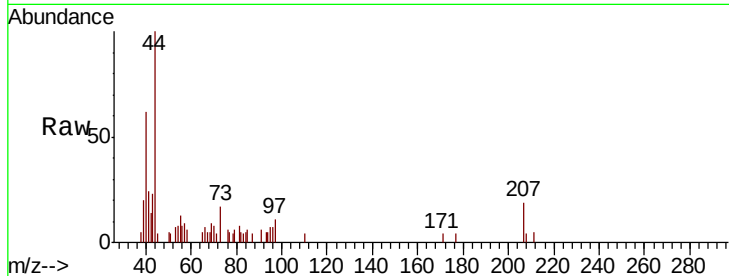
Tot Ion: 97 Resp: 747

Ion Ratio Lower Upper

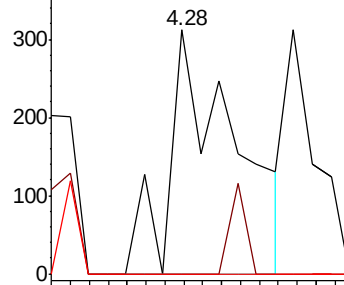
97 100

99 0.0 52.3 78.5#

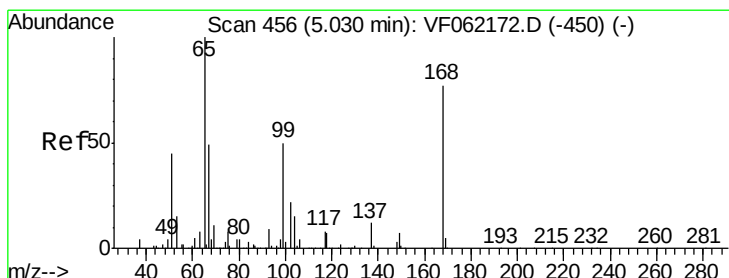
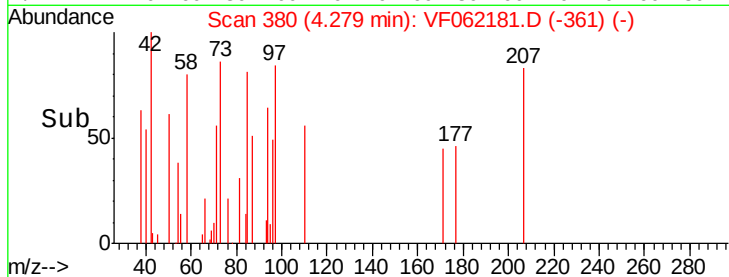
61 0.0 40.9 61.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 129.343 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.15 min

Lab File: VF062181.D

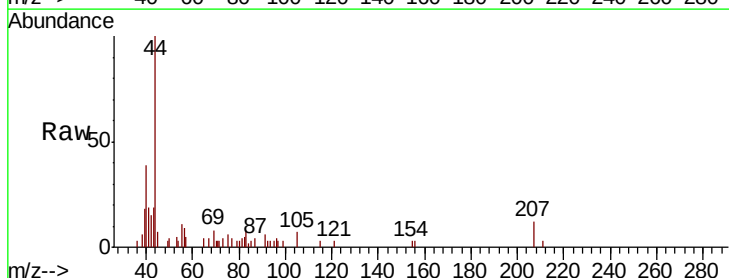
Acq: 16 Apr 2019 17:44

Tgt Ion: 65 Resp: 99

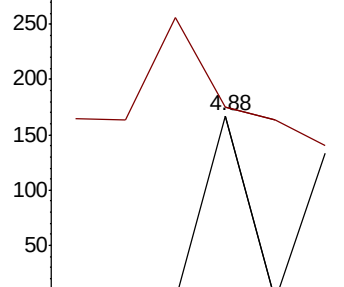
Ion Ratio Lower Upper

65 100

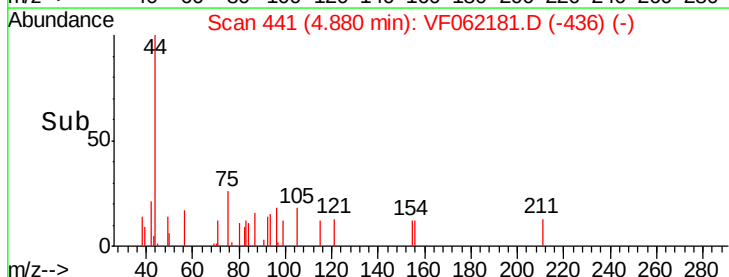
67 104.8 0.0 107.8

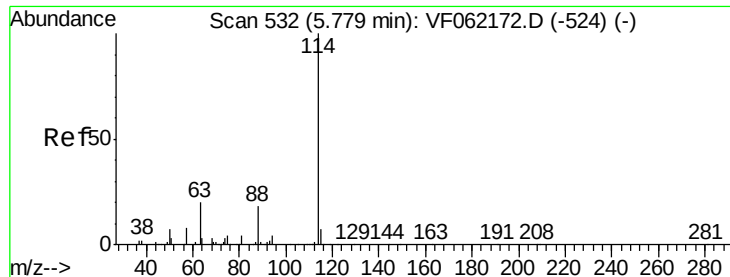


Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.12 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

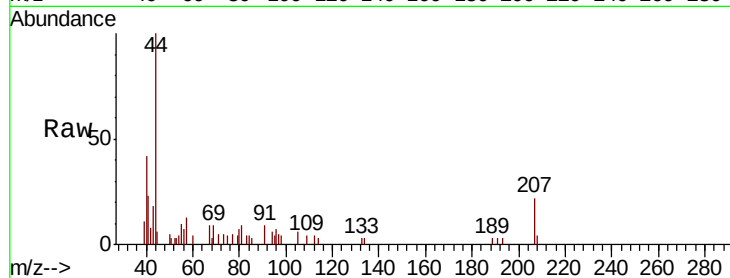
Tot Ion:114 Resp: 65

Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.0

88 0.0 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

200

150

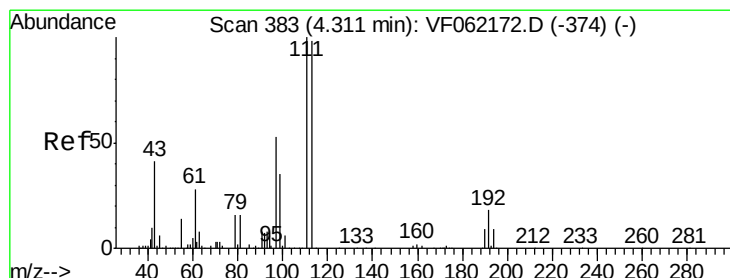
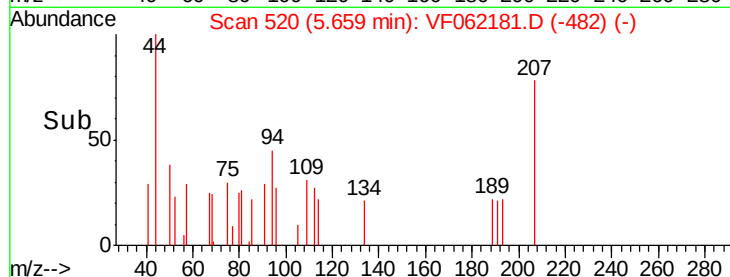
100

50

0

5.62 5.64 5.66 5.68

Time-->



#35

Dibromofluoromethane

Concen: 117.019 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

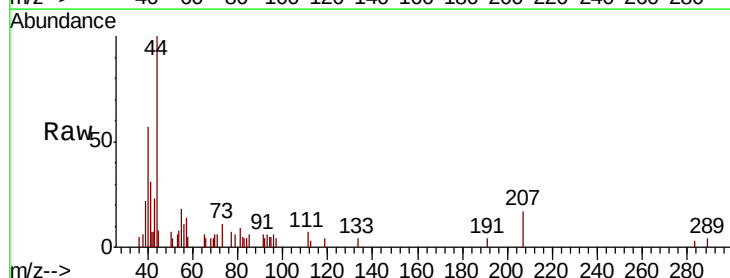
Tgt Ion:113 Resp: 60

Ion Ratio Lower Upper

113 100

111 200.0 81.6 122.4#

192 0.0 15.0 22.4#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

250

200

150

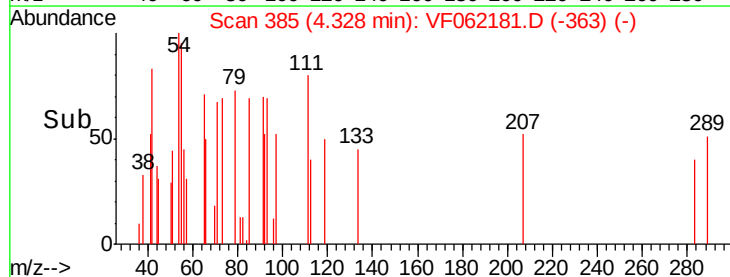
100

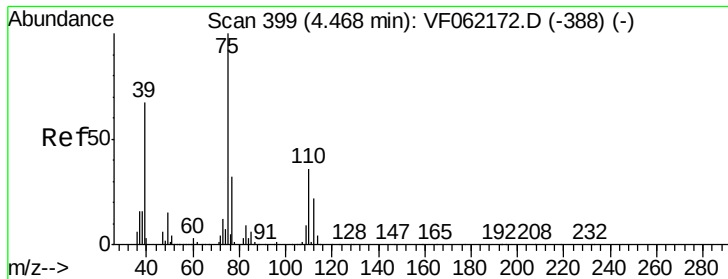
50

0

4.30 4.32 4.34 4.36

Time-->





#36

1,1-Dichloropropene

Concen: 87.234 ug/l

RT: 4.40 min Scan# 392

Delta R.T. -0.07 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

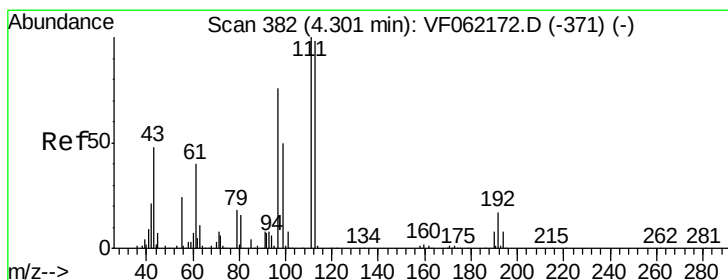
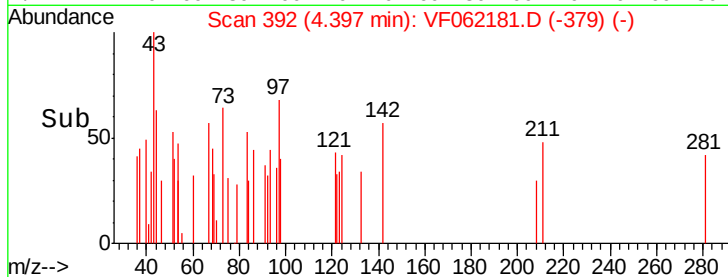
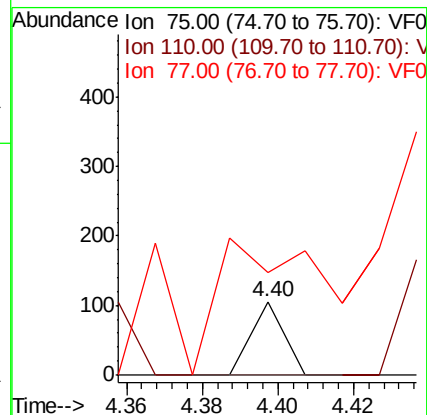
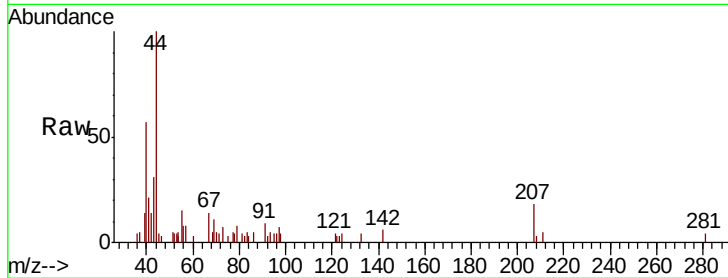
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.8#

77 139.6 25.6 38.4#



#37

Ethyl Acetate

Concen: 1135.910 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.07 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

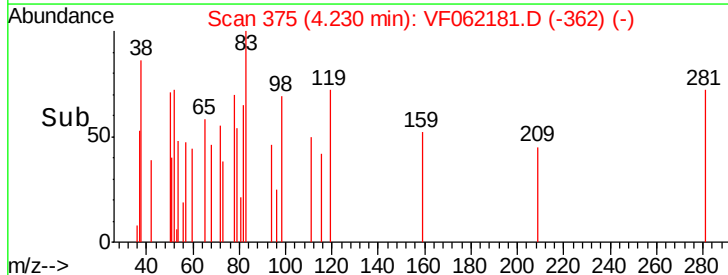
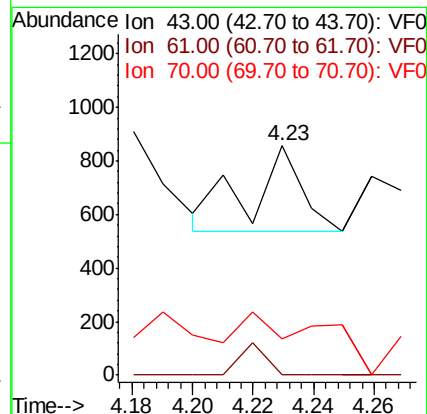
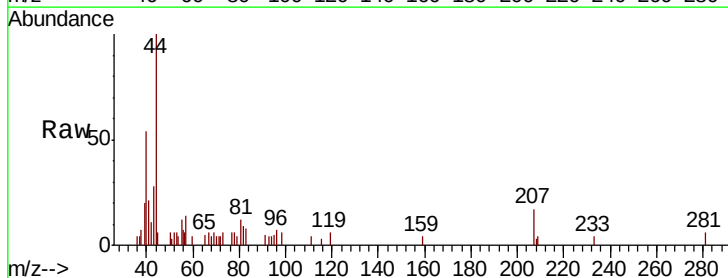
Tgt Ion: 43 Resp: 378

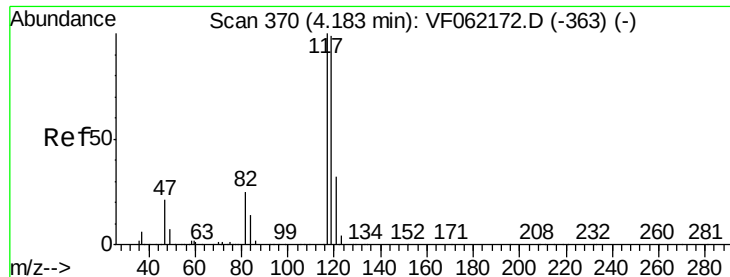
Ion Ratio Lower Upper

43 100

61 0.0 64.9 97.3#

70 15.9 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 107.785 ug/l

RT: 4.10 min Scan# 362

Delta R.T. -0.08 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

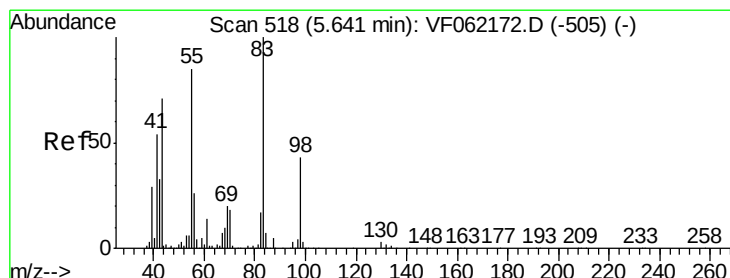
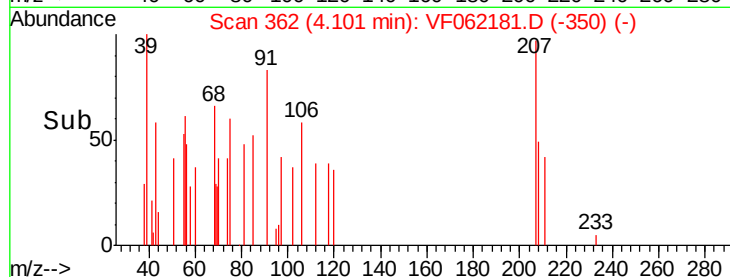
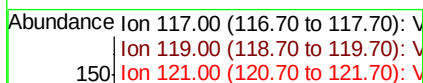
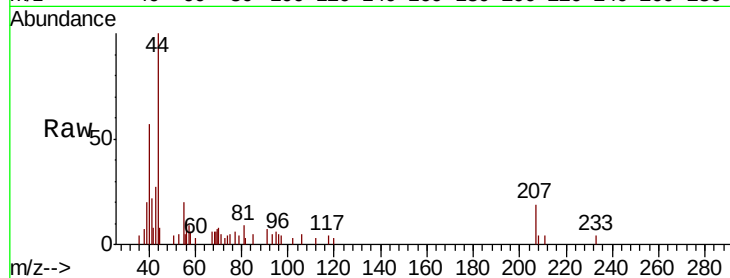
Tot Ion:117 Resp: 67

Ion Ratio Lower Upper

117 100

119 0.0 78.9 118.3#

121 0.0 25.3 37.9#



#39

Methylcyclohexane

Concen: 439.767 ug/l

RT: 5.51 min Scan# 505

Delta R.T. -0.13 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

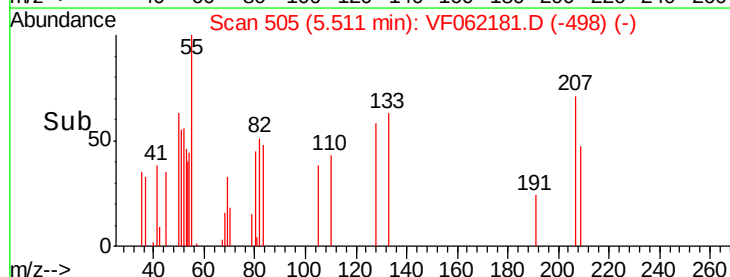
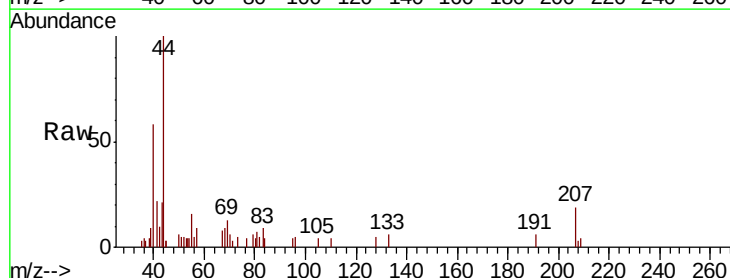
Tgt Ion: 83 Resp: 398

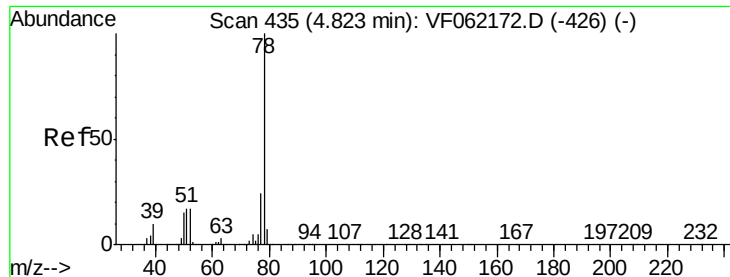
Ion Ratio Lower Upper

83 100

55 186.0 68.2 102.2#

98 0.0 34.4 51.6#





#40

Benzene

Concen: 141.009 ug/l

RT: 4.70 min Scan# 423

Delta R.T. -0.12 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

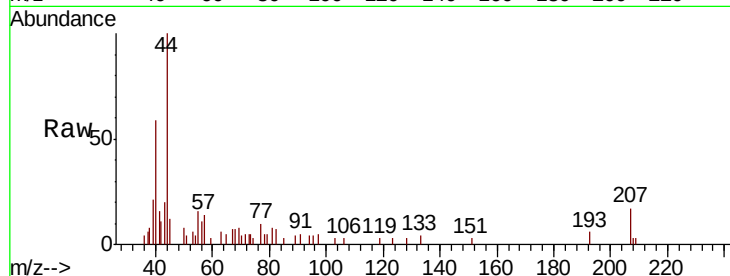
TP-3RE

Tot Ion: 78 Resp: 269

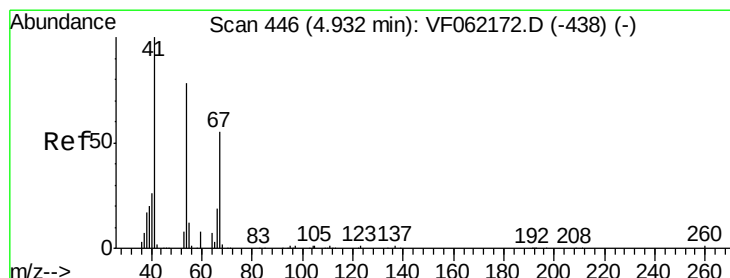
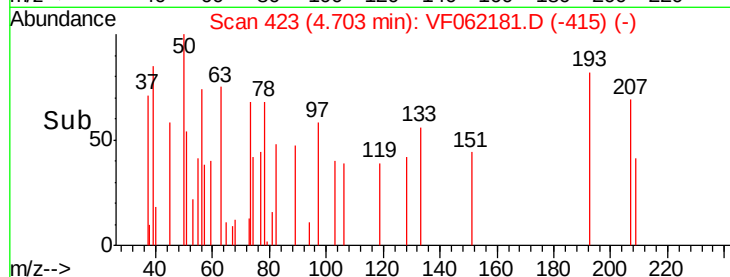
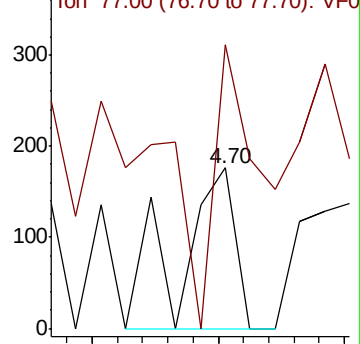
Ion Ratio Lower Upper

78 100

77 176.7 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0



#41

Methacrylonitrile

Concen: 2885.730 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.11 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Tgt Ion: 41 Resp: 577

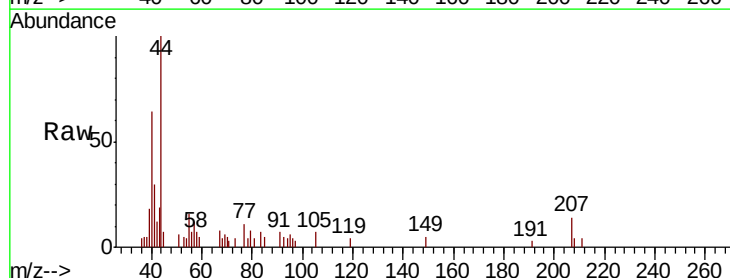
Ion Ratio Lower Upper

41 100

39 62.3 43.5 65.3

67 28.3 42.9 64.3#

52 16.6 30.4 45.6#

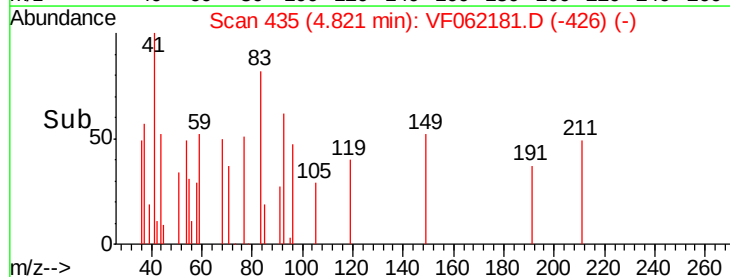
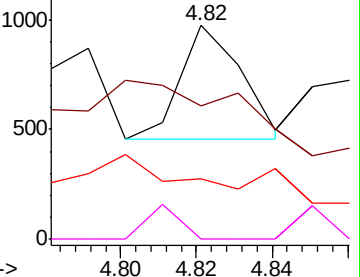


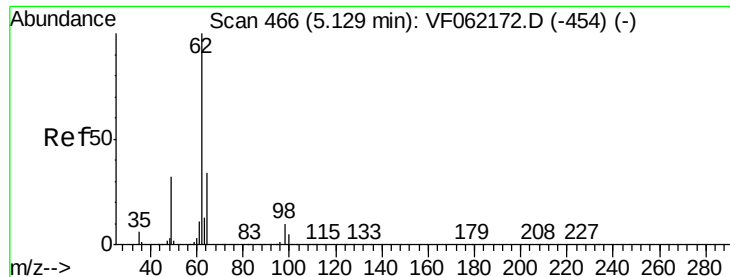
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 124.267 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.12 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

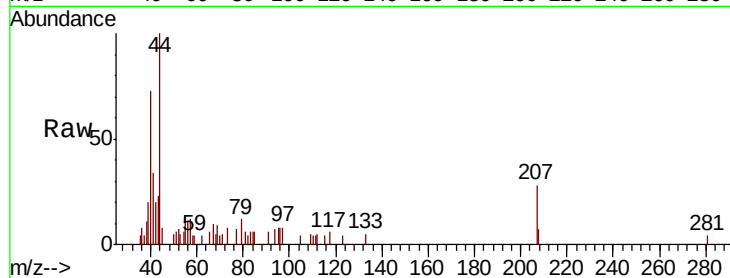
TP-3RE

Tot Ion: 62 Resp: 60

Ion Ratio Lower Upper

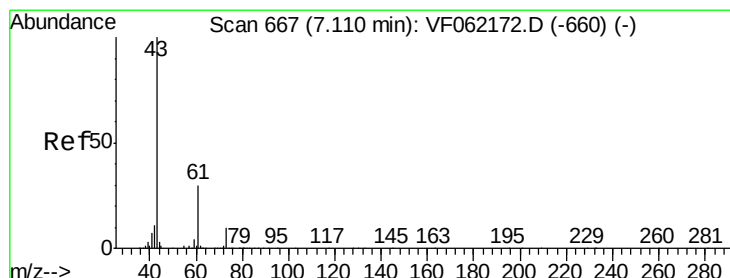
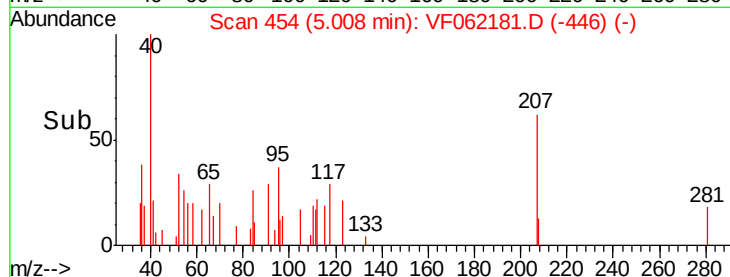
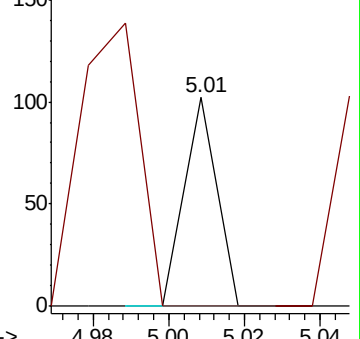
62 100

98 0.0 0.0 22.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 1477.377 ug/l

RT: 6.95 min Scan# 651

Delta R.T. -0.16 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

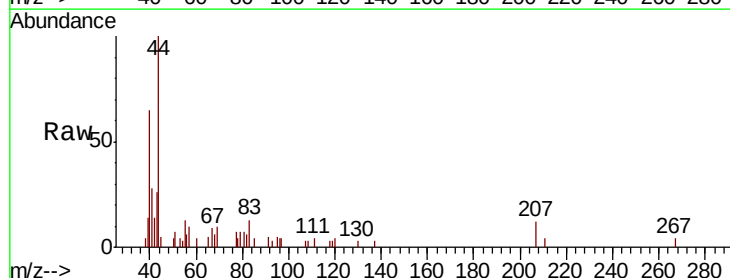
Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

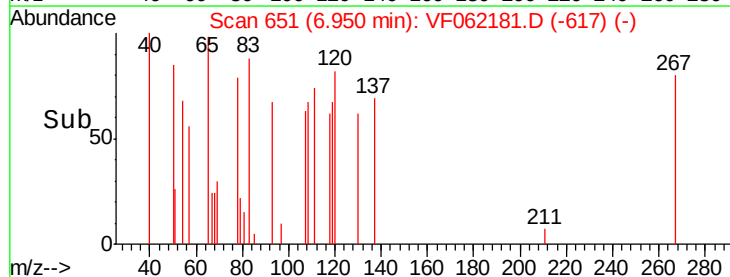
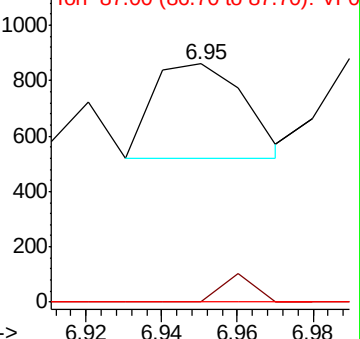
87 0.0 0.3 0.5#

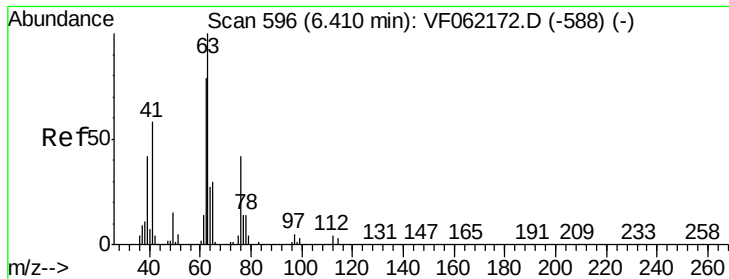


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

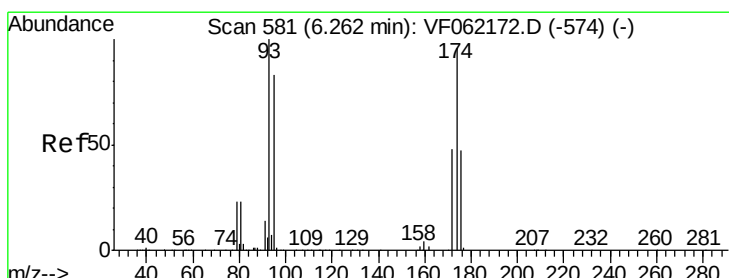
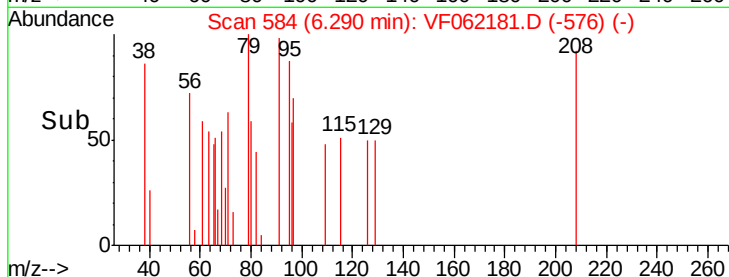
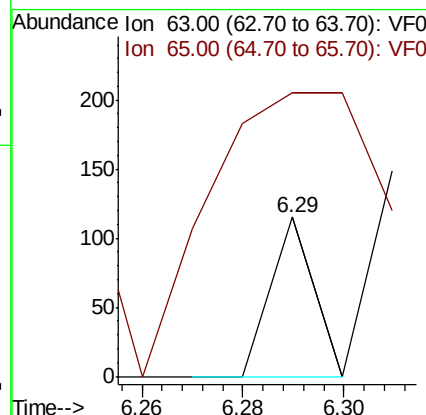
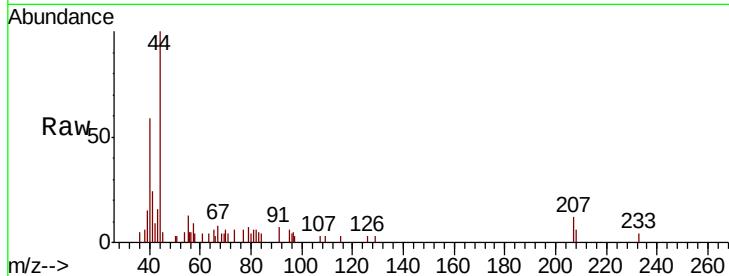




#45
 1,2-Dichloropropane
 Concen: 145.300 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.12 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

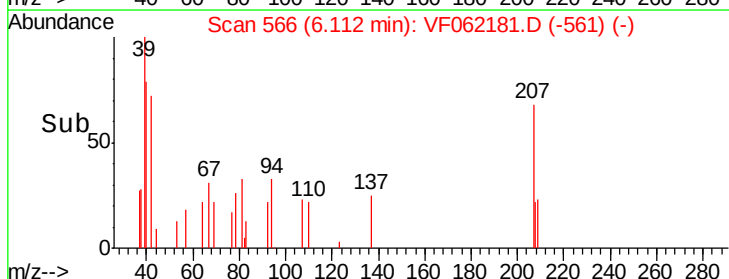
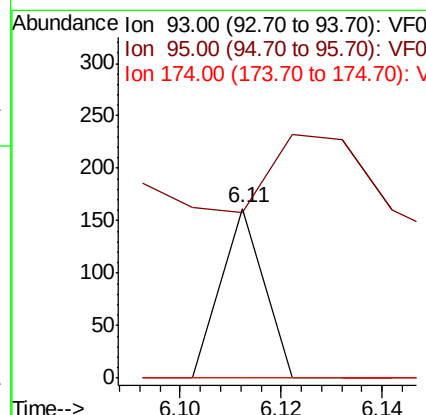
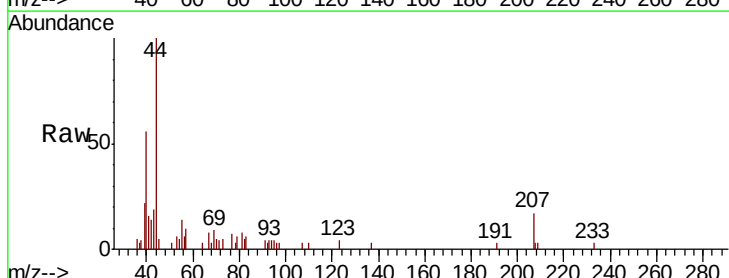
Instrument :
 MSVOA_F
 ClientSampled :
 TP-3RE

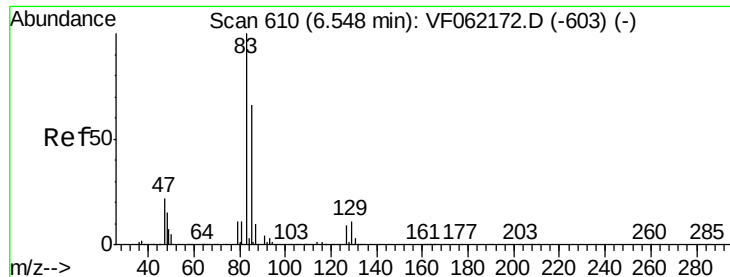
Tot Ion: 63 Resp: 68
 Ion Ratio Lower Upper
 63 100
 65 178.3 23.7 35.5#



#46
 Dibromomethane
 Concen: 340.175 ug/l
 RT: 6.11 min Scan# 566
 Delta R.T. -0.15 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Tgt Ion: 93 Resp: 96
 Ion Ratio Lower Upper
 93 100
 95 97.5 67.0 100.6
 174 0.0 76.3 114.5#





#47

Bromodichloromethane

Concen: 1417.077 ug/l

RT: 6.45 min Scan# 600

Delta R.T. -0.10 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

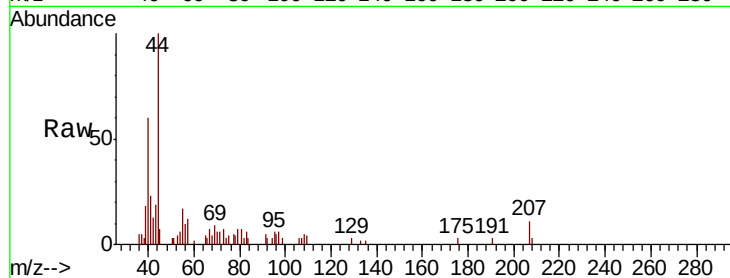
Tot Ion: 83 Resp: 906

Ion Ratio Lower Upper

83 100

85 0.0 52.6 79.0#

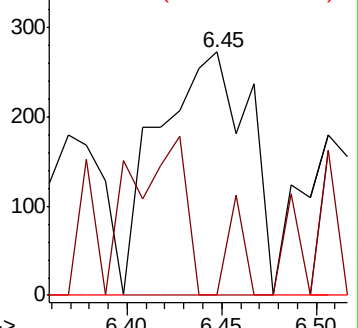
127 0.0 6.8 10.2#



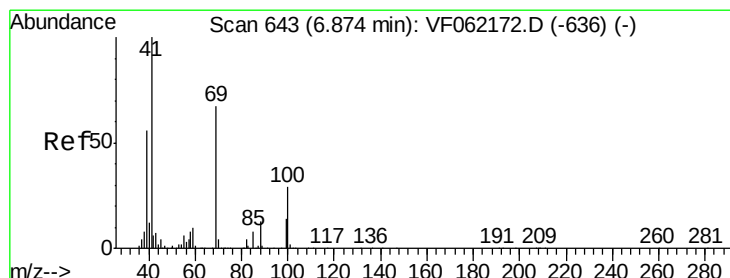
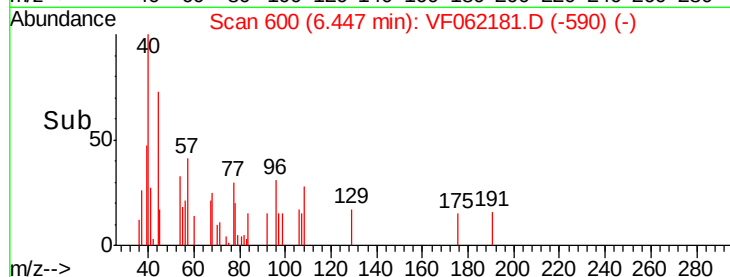
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 1465.829 ug/l

RT: 6.76 min Scan# 632

Delta R.T. -0.11 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

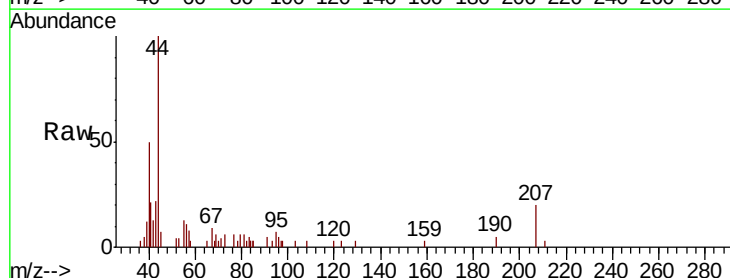
Tgt Ion: 41 Resp: 369

Ion Ratio Lower Upper

41 100

69 29.9 52.8 79.2#

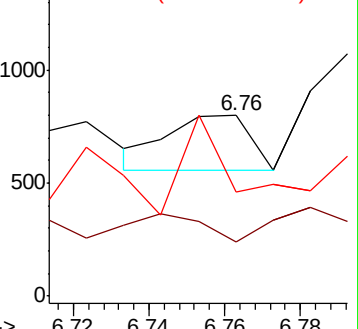
39 57.8 45.0 67.4



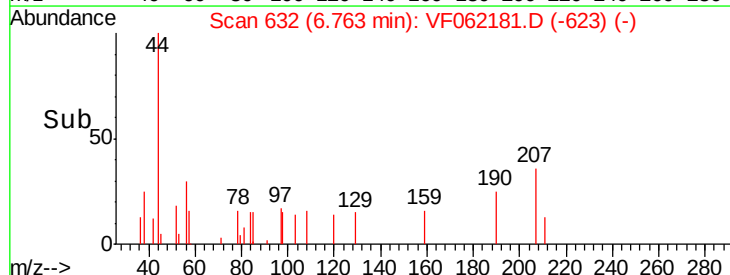
Abundance Ion 41.00 (40.70 to 41.70): VF0

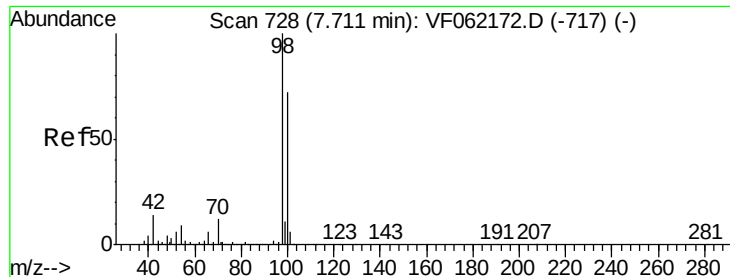
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#50

Toluene-d8

Concen: 94.103 ug/l

RT: 7.54 min Scan# 711

Delta R.T. -0.17 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

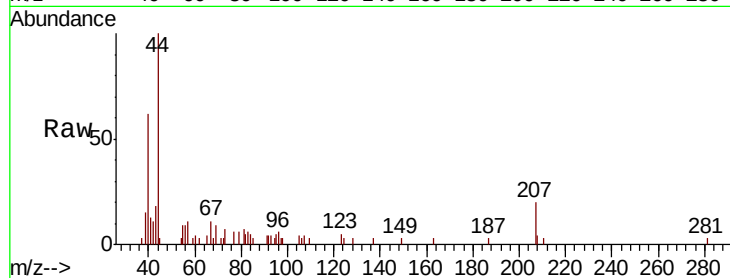
TP-3RE

Tot Ion: 98 Resp: 141

Ion Ratio Lower Upper

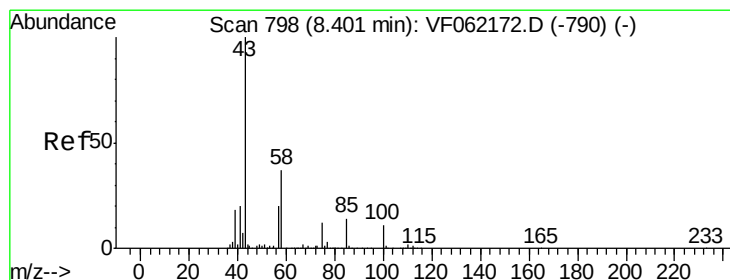
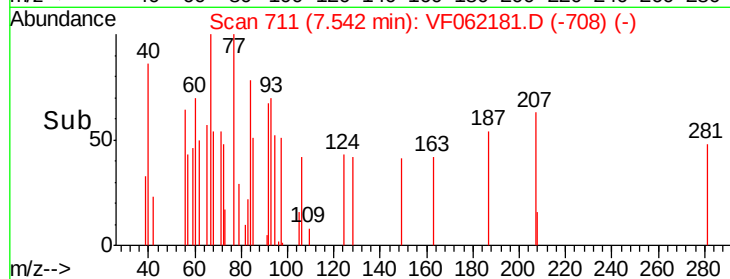
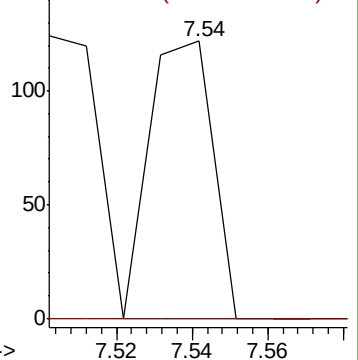
98 100

100 0.0 57.4 86.0#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1201.598 ug/l

RT: 8.20 min Scan# 778

Delta R.T. -0.20 min

Lab File: VF062181.D

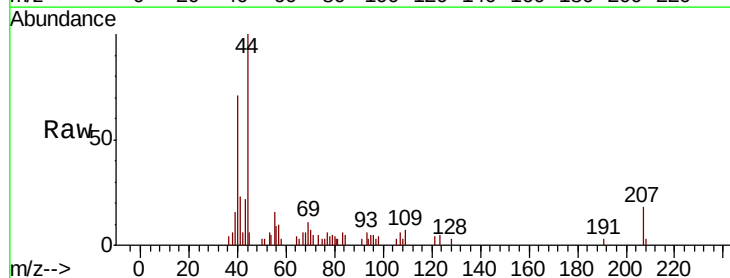
Acq: 16 Apr 2019 17:44

Tgt Ion: 43 Resp: 356

Ion Ratio Lower Upper

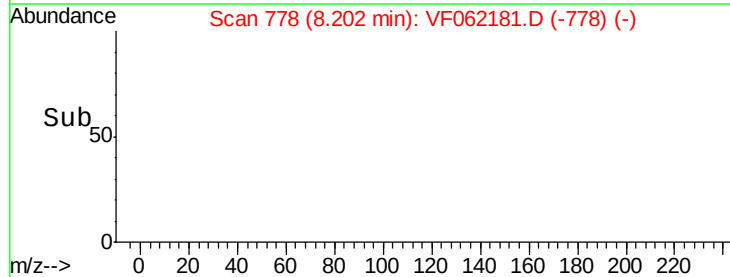
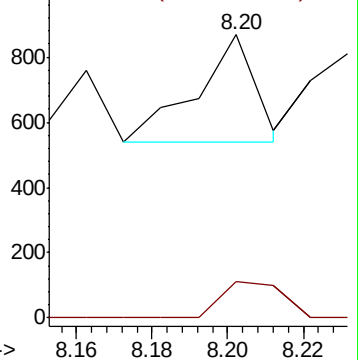
43 100

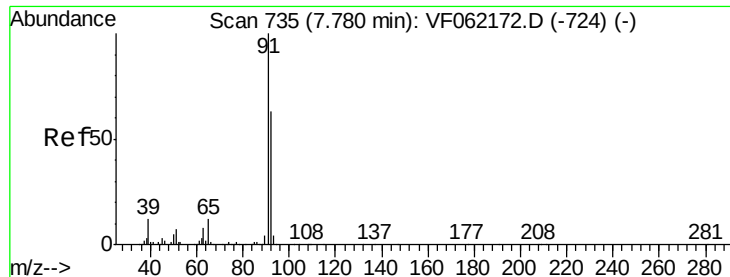
58 12.9 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 67.816 ug/l

RT: 7.64 min Scan# 721

Delta R.T. -0.14 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

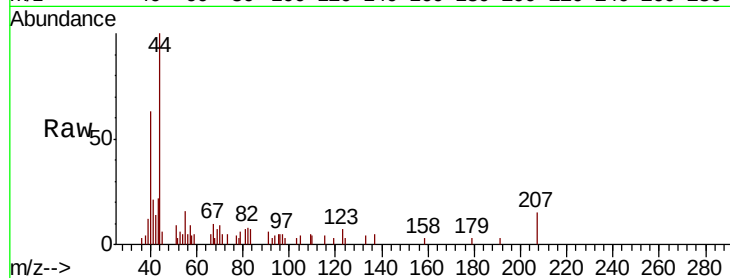
TP-3RE

Tot Ion: 92 Resp: 76

Ion Ratio Lower Upper

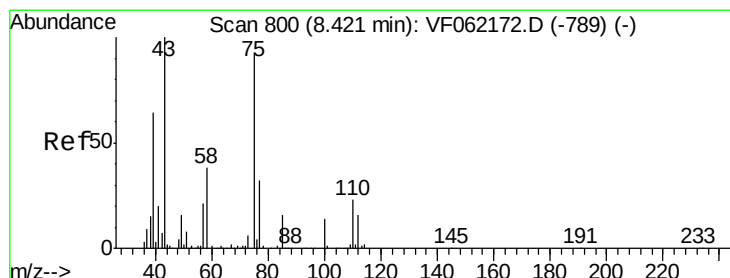
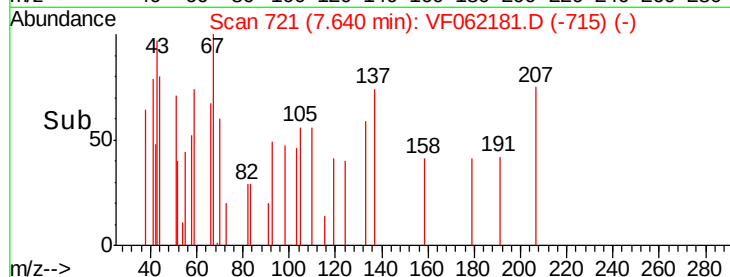
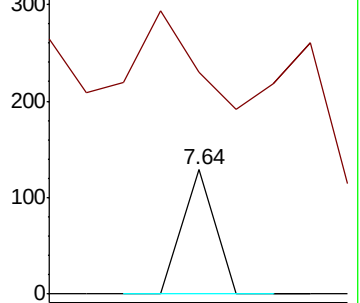
92 100

91 178.3 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 310.589 ug/l

RT: 8.25 min Scan# 783

Delta R.T. -0.17 min

Lab File: VF062181.D

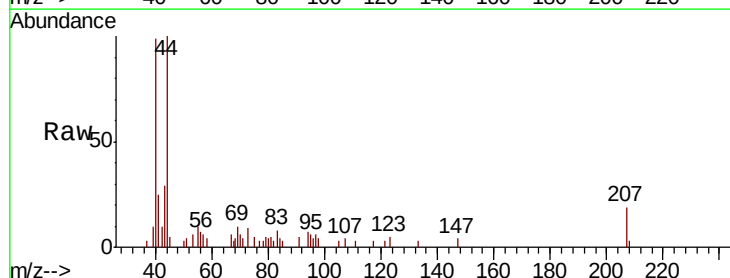
Acq: 16 Apr 2019 17:44

Tgt Ion: 75 Resp: 172

Ion Ratio Lower Upper

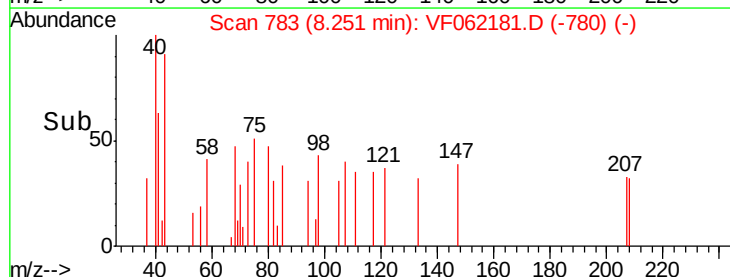
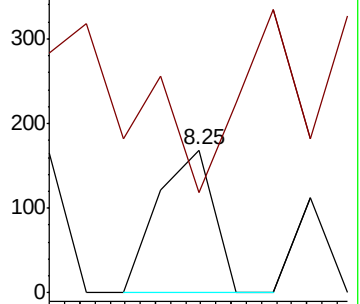
75 100

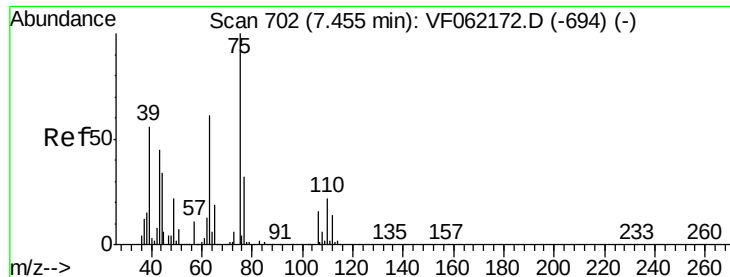
77 70.4 27.8 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 119.286 ug/l

RT: 7.29 min Scan# 685

Delta R.T. -0.17 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

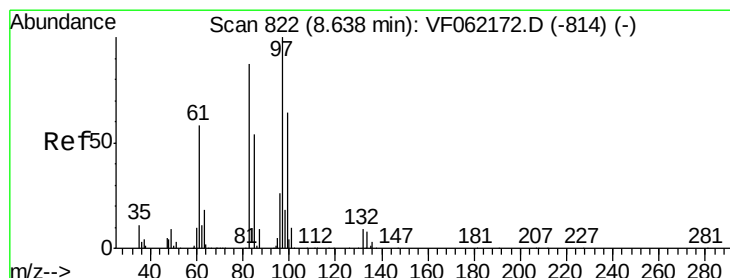
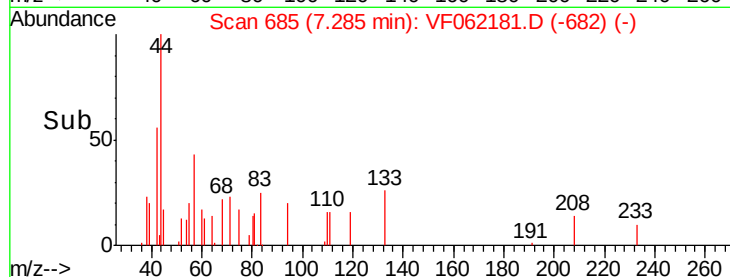
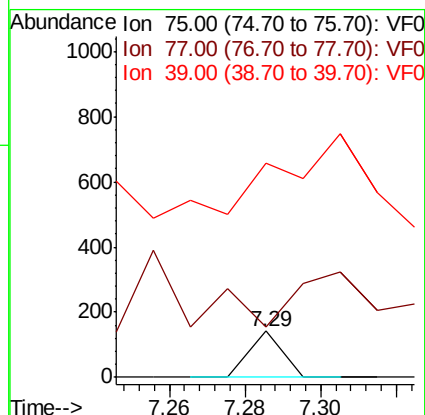
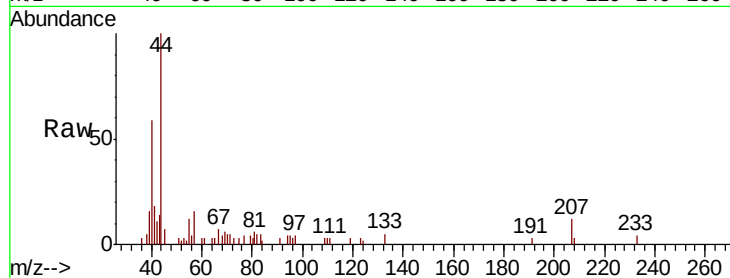
Tot Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

77 109.2 26.0 39.0#

39 464.1 45.2 67.8#



#55

1,1,2-Trichloroethane

Concen: 2140.381 ug/l

RT: 8.45 min Scan# 803

Delta R.T. -0.19 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Tgt Ion: 97 Resp: 687

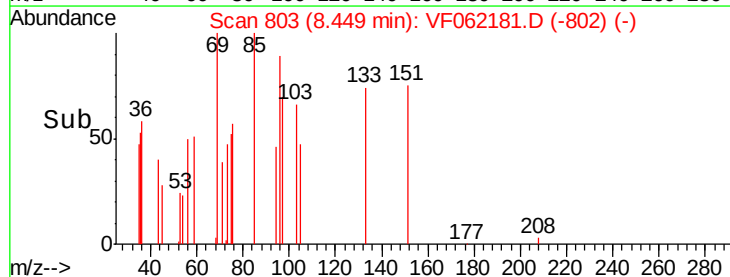
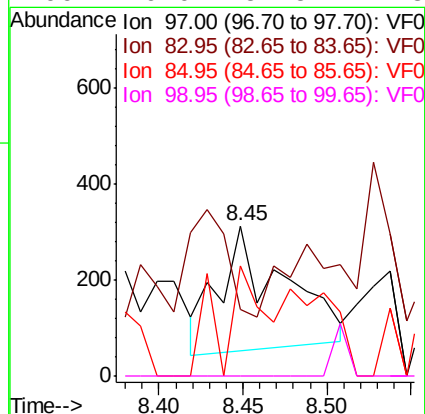
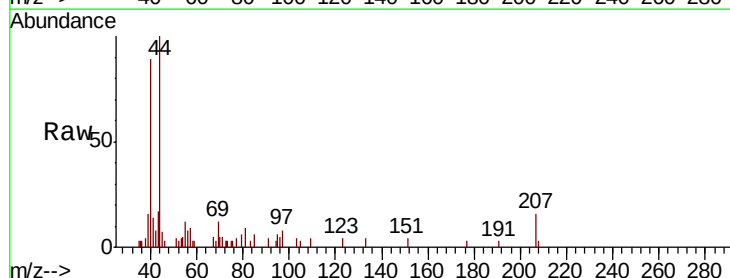
Ion Ratio Lower Upper

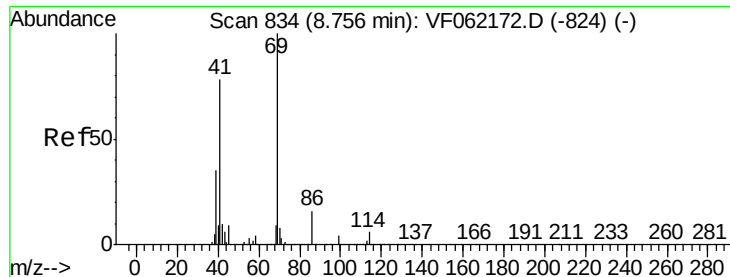
97 100

83 44.1 69.6 104.4#

85 73.5 43.5 65.3#

99 0.0 51.5 77.3#





#56

Ethyl methacrylate

Concen: 421.834 ug/l

RT: 8.56 min Scan# 814

Delta R.T. -0.20 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

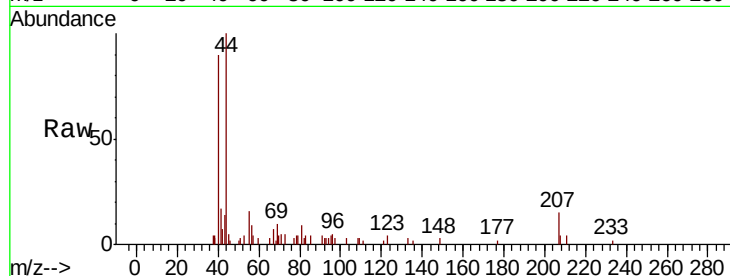
Tot Ion: 69 Resp: 161

Ion Ratio Lower Upper

69 100

41 178.4 63.4 95.0#

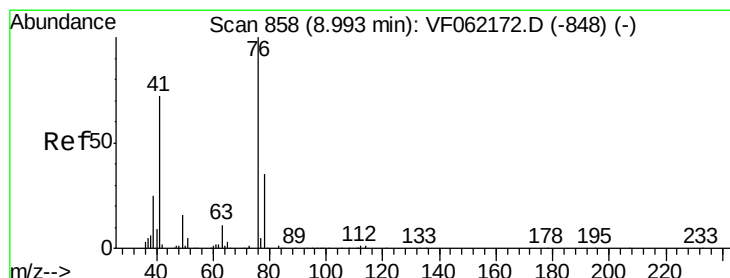
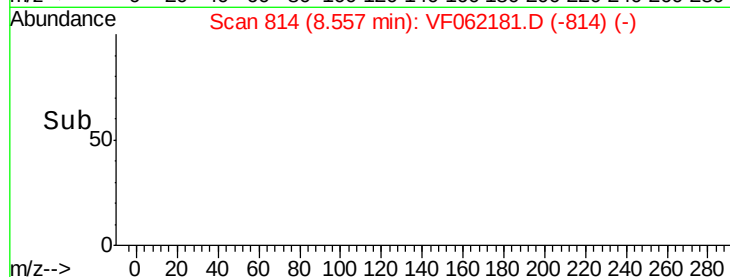
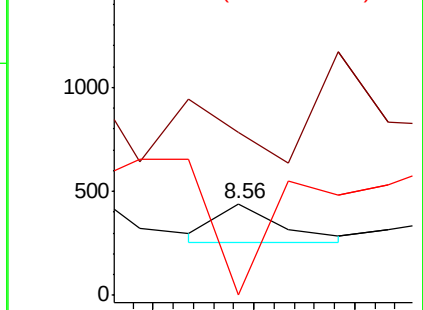
39 0.0 29.0 43.6#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 320.270 ug/l

RT: 8.80 min Scan# 839

Delta R.T. -0.19 min

Lab File: VF062181.D

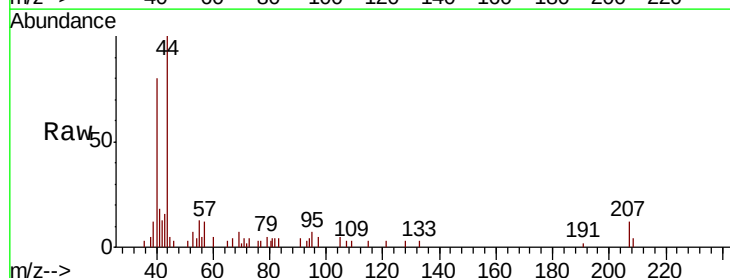
Acq: 16 Apr 2019 17:44

Tgt Ion: 76 Resp: 169

Ion Ratio Lower Upper

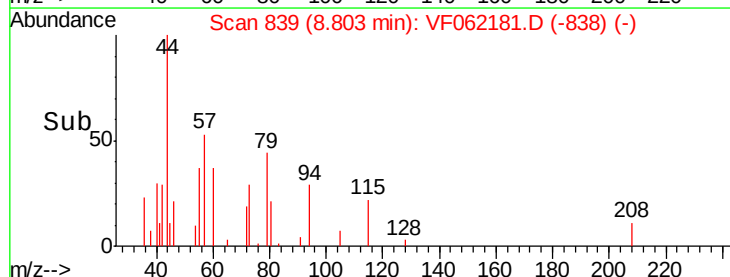
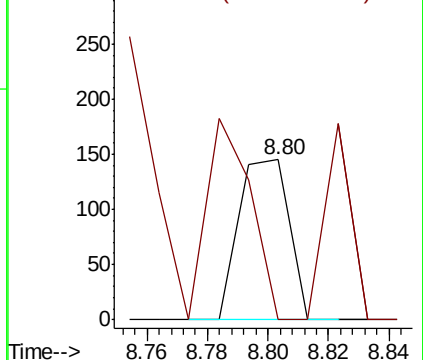
76 100

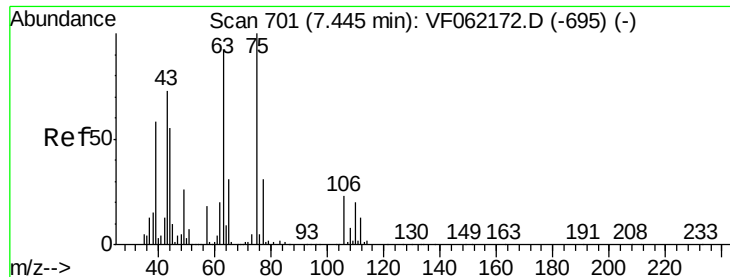
78 0.0 28.2 42.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 1240.634 ug/l

RT: 7.32 min Scan# 689

Delta R.T. -0.12 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

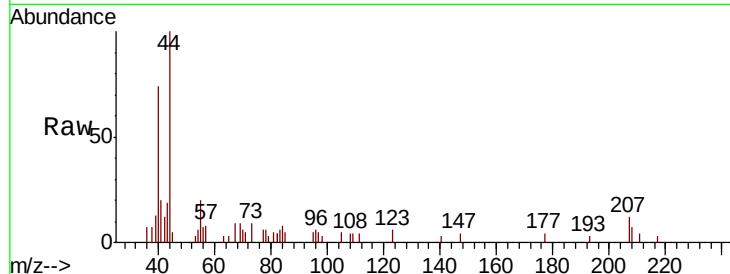
TP-3RE

Tot Ion: 63 Resp: 122

Ion Ratio Lower Upper

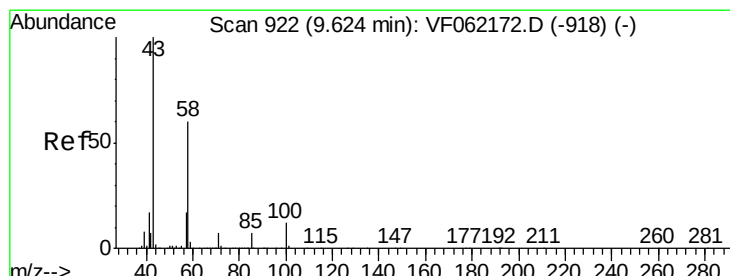
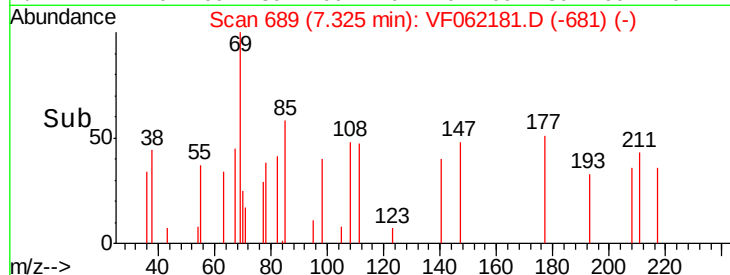
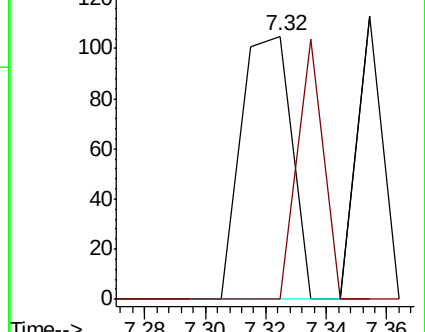
63 100

106 0.0 20.2 30.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 9570.217 ug/l

RT: 9.37 min Scan# 896

Delta R.T. -0.26 min

Lab File: VF062181.D

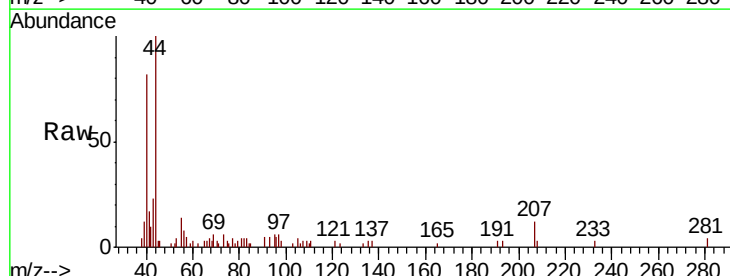
Acq: 16 Apr 2019 17:44

Tgt Ion: 43 Resp: 1802

Ion Ratio Lower Upper

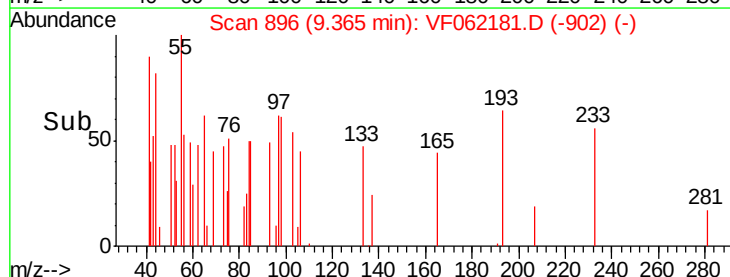
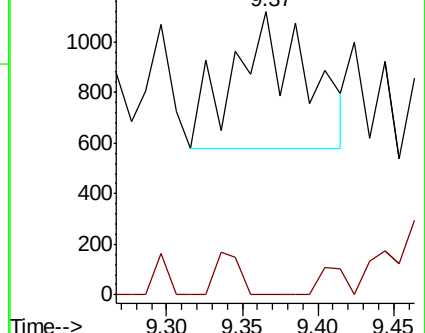
43 100

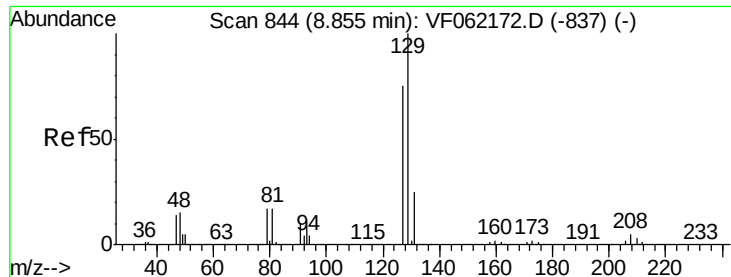
58 0.0 26.8 80.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

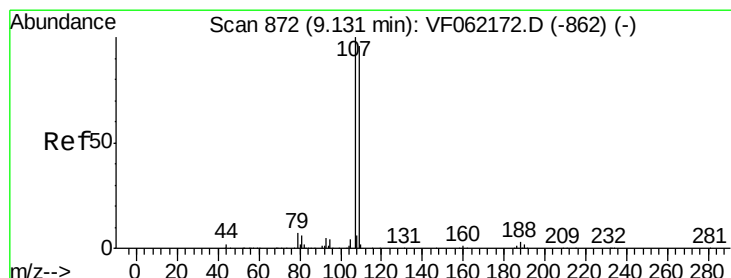
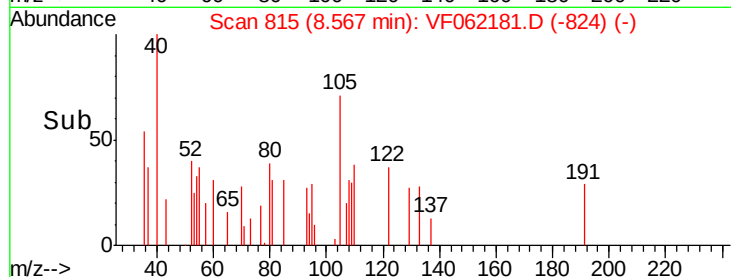
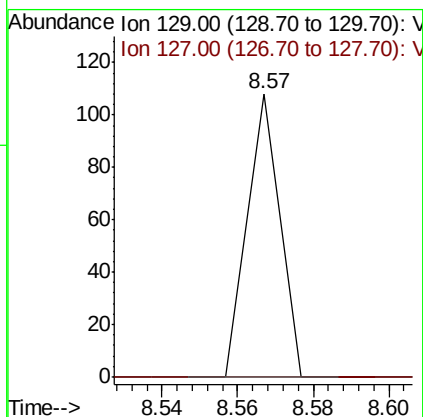
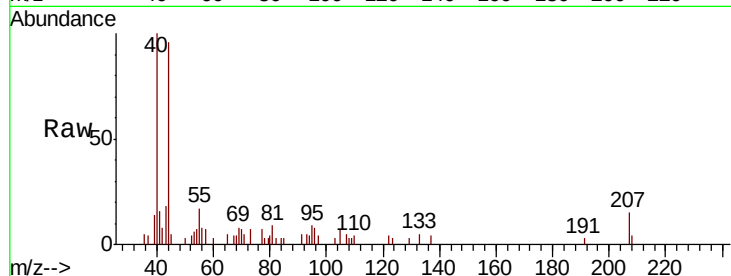




#60
 Dibromochloromethane
 Concen: 144.921 ug/l
 RT: 8.57 min Scan# 815
 Delta R.T. -0.29 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

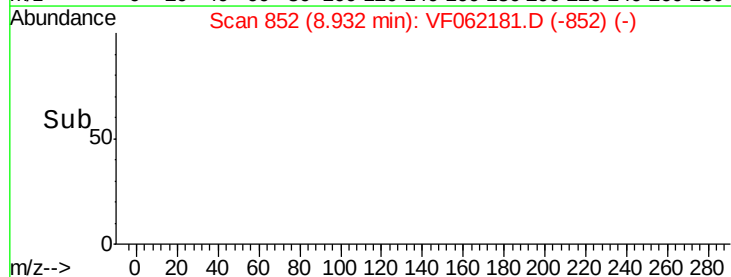
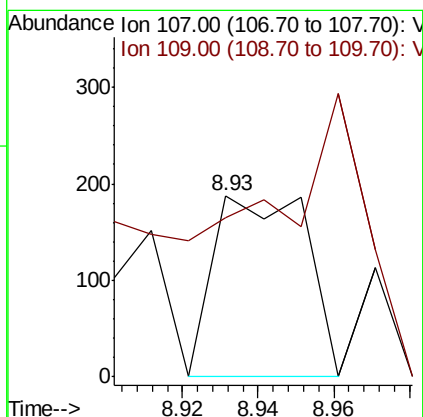
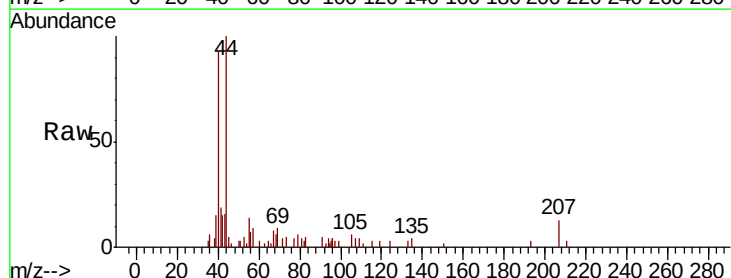
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

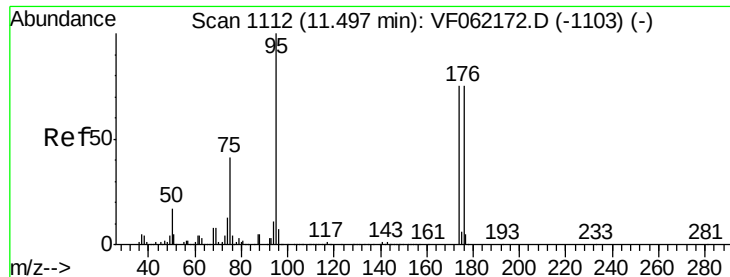
Tot Ion:129 Resp: 64
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.7 113.1#



#61
 1,2-Dibromoethane
 Concen: 926.042 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. -0.20 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Tgt Ion:107 Resp: 318
 Ion Ratio Lower Upper
 107 100
 109 87.8 76.8 115.2





#62

4-Bromofluorobenzene

Concen: 2019.588 ug/l

RT: 11.26 min Scan# 1088

Delta R.T. -0.24 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

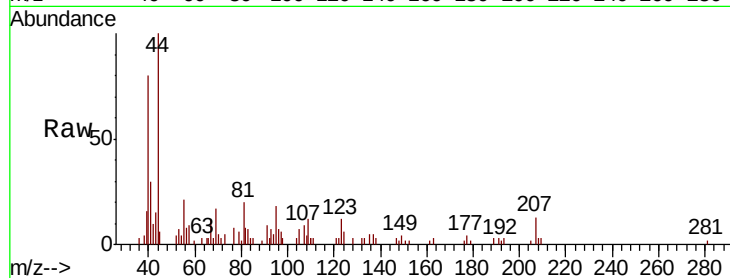
Tot Ion: 95 Resp: 1195

Ion Ratio Lower Upper

95 100

174 0.0 0.0 150.2

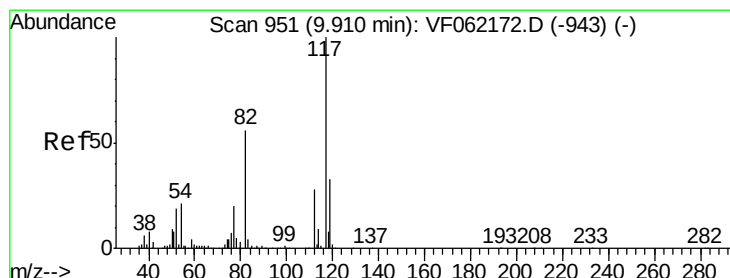
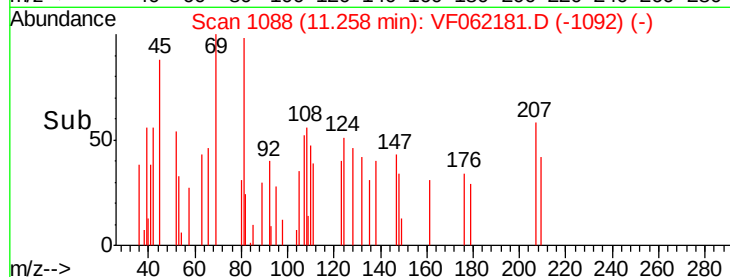
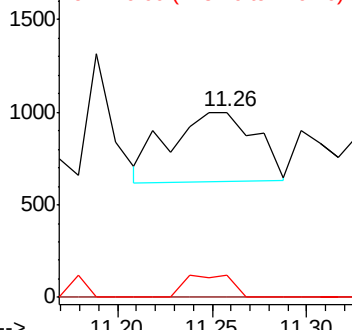
176 12.3 0.0 149.4



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: 9.64 min Scan# 924

Delta R.T. -0.27 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

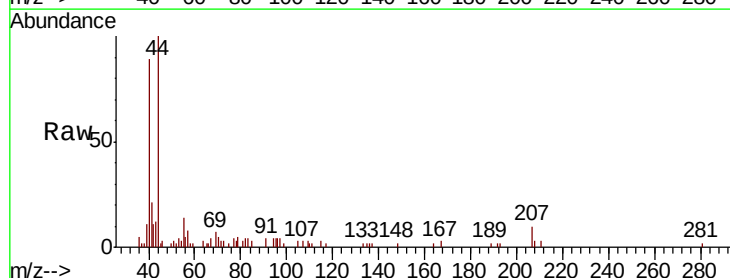
Tgt Ion: 117 Resp: 62

Ion Ratio Lower Upper

117 100

82 189.5 45.2 67.8#

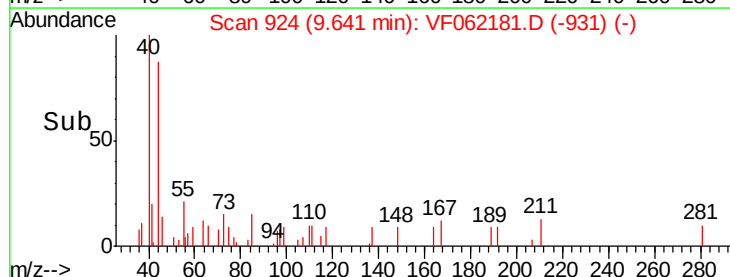
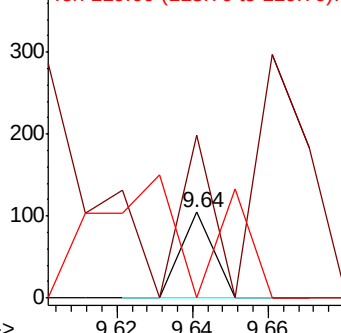
119 0.0 26.6 39.8#

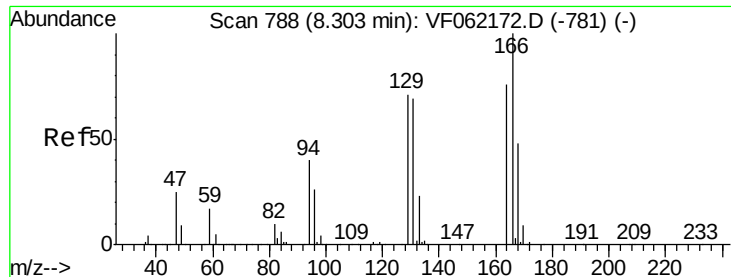


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 122.437 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.13 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

Tot Ion:164 Resp: 62

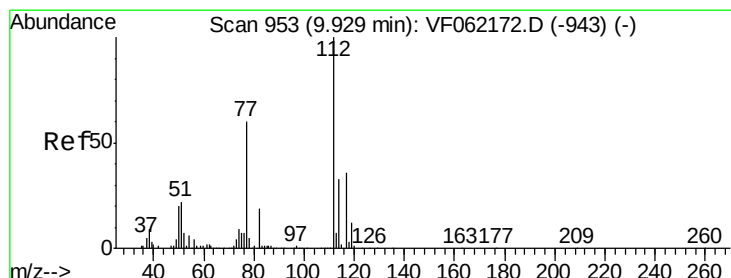
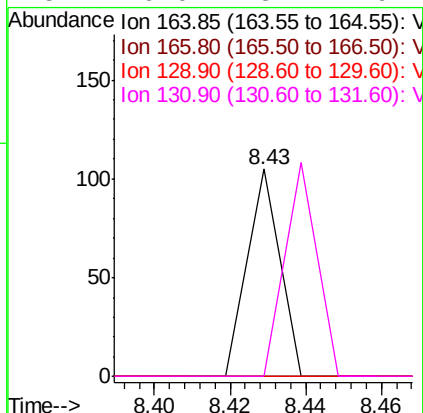
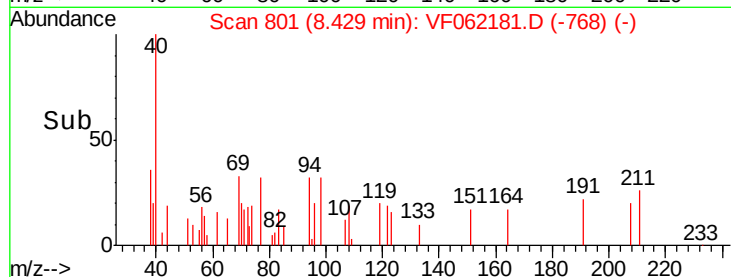
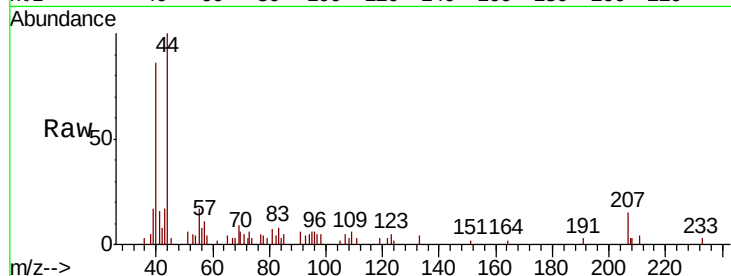
Ion Ratio Lower Upper

164 100

166 0.0 105.9 158.9#

129 0.0 75.3 112.9#

131 0.0 73.4 110.2#



#65

Chlorobenzene

Concen: 46.520 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF062181.D

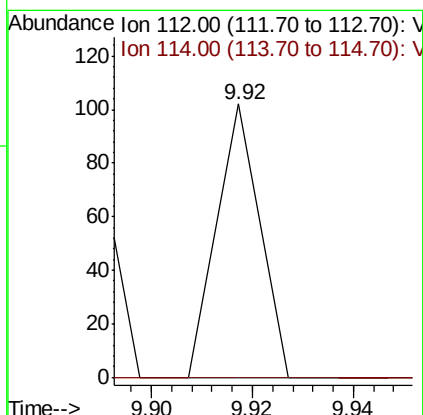
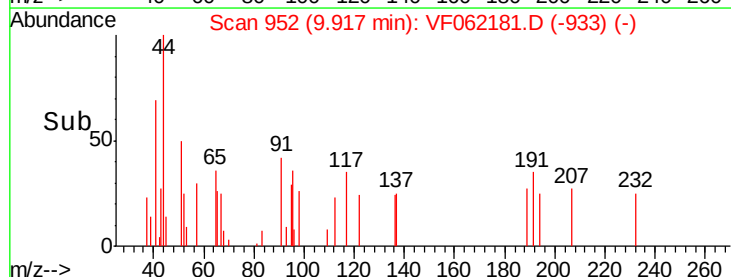
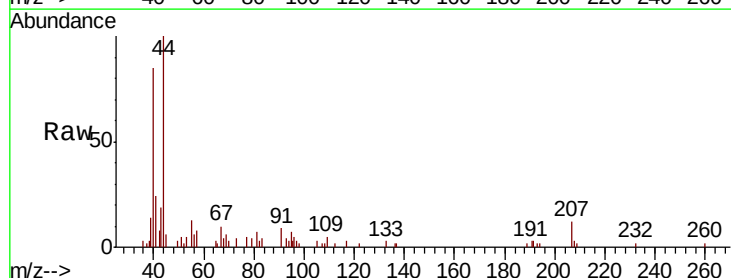
Acq: 16 Apr 2019 17:44

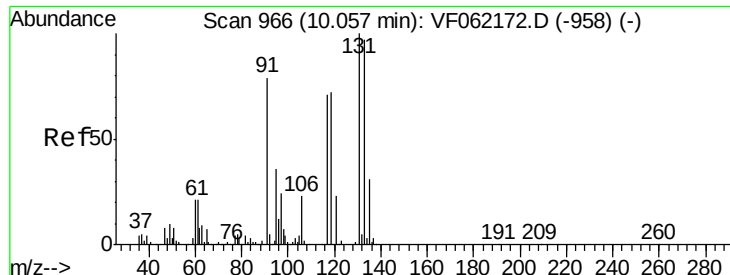
Tgt Ion:112 Resp: 60

Ion Ratio Lower Upper

112 100

114 0.0 26.6 39.8#





#66

1,1,1,2-Tetrachloroethane

Concen: 217.853 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

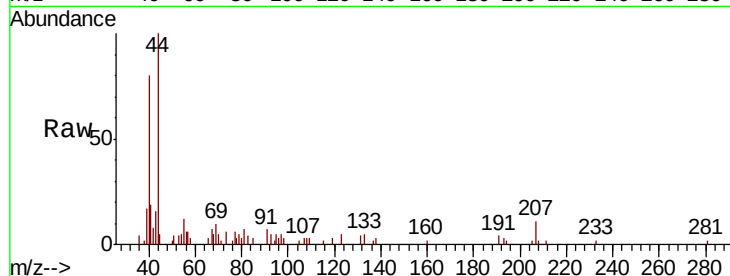
Tot Ion:131 Resp: 116

Ion Ratio Lower Upper

131 100

133 120.9 48.4 145.2

119 78.1 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

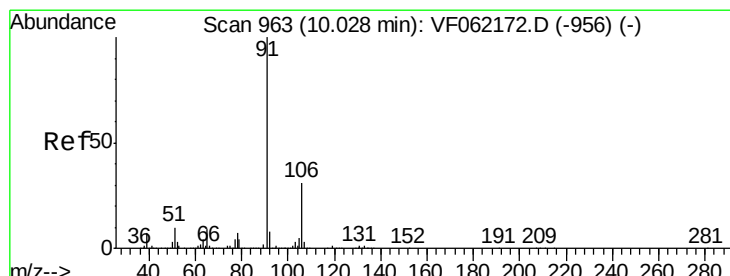
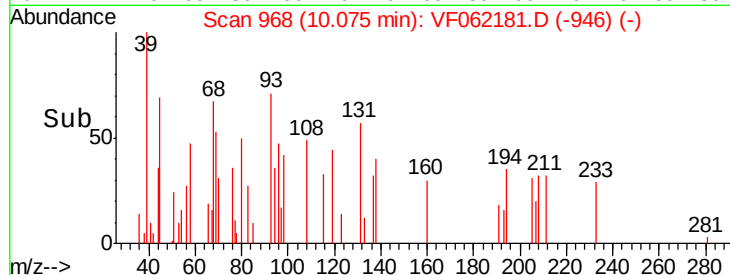
10.07

200

100

0

Time-->



#67

Ethyl Benzene

Concen: 129.245 ug/l

RT: 10.01 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF062181.D

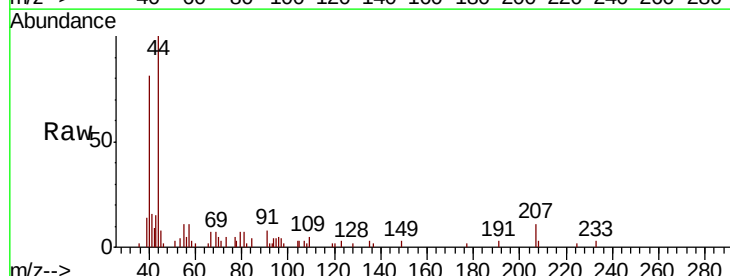
Acq: 16 Apr 2019 17:44

Tgt Ion: 91 Resp: 309

Ion Ratio Lower Upper

91 100

106 0.0 24.7 37.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

500

400

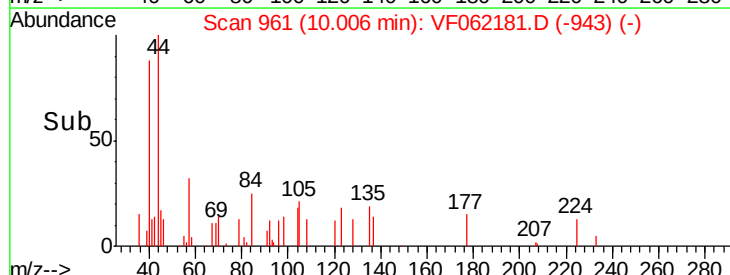
300

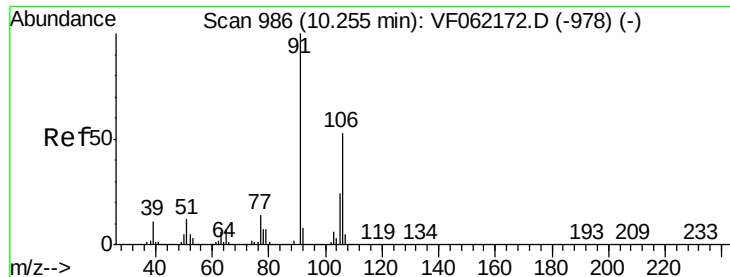
200

100

0

Time-->

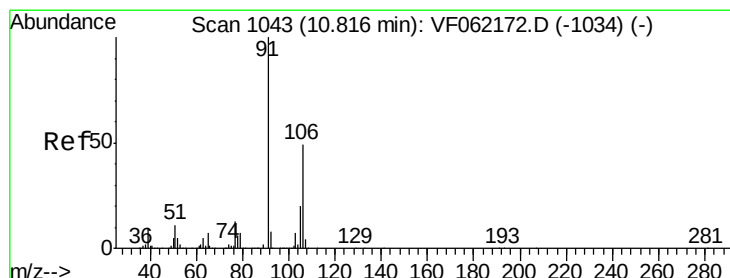
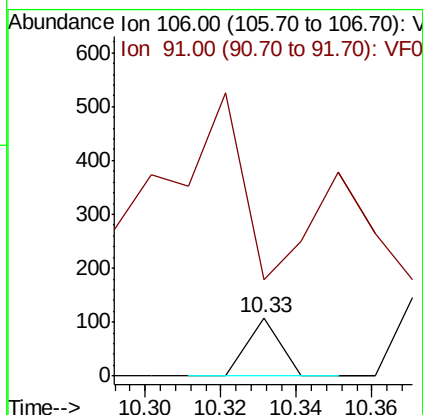
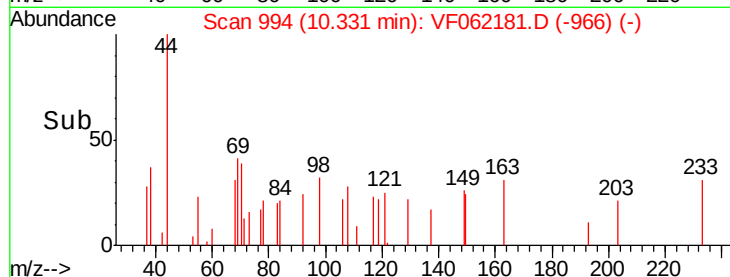
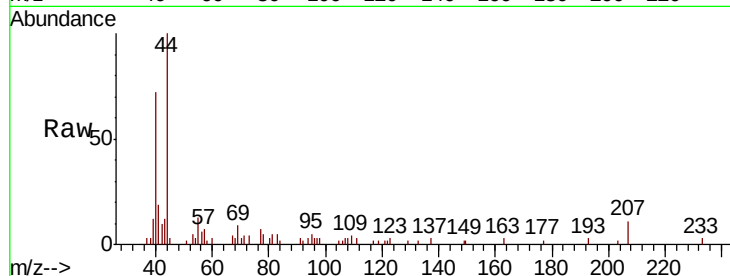




#68
m/p-Xylenes
Concen: 72.719 ug/l
RT: 10.33 min Scan# 994
Delta R.T. 0.08 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

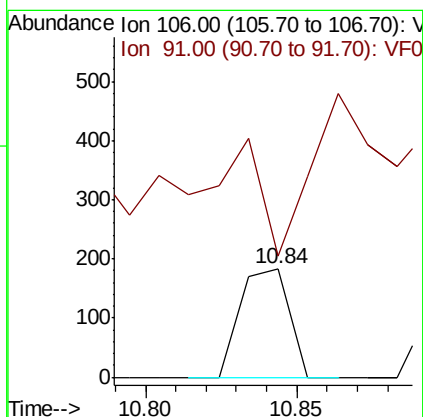
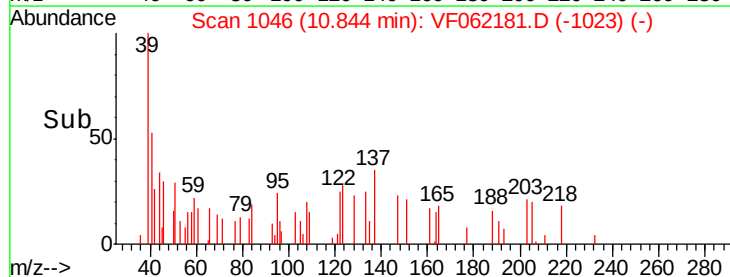
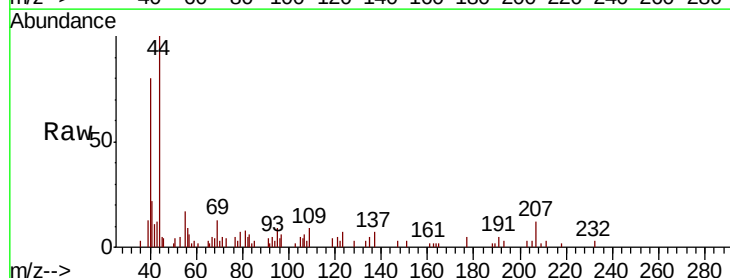
Instrument :
MSVOA_F
ClientSampleId :
TP-3RE

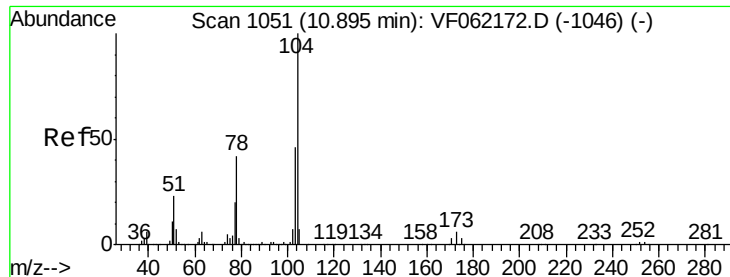
Tot Ion:106 Resp: 64
Ion Ratio Lower Upper
106 100
91 166.7 151.7 227.5



#69
o-Xylene
Concen: 219.339 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VF062181.D
Acq: 16 Apr 2019 17:44

Tgt Ion:106 Resp: 209
Ion Ratio Lower Upper
106 100
91 110.9 101.9 305.7





#70

Stvrene

Concen: 262.673 ug/l

RT: 10.95 min Scan# 1057

Delta R.T. 0.06 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

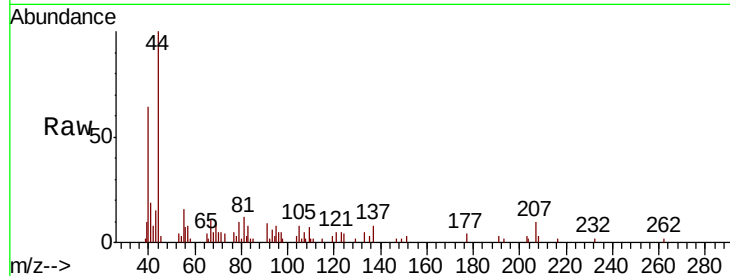
Tot Ion:104 Resp: 364

Ion Ratio Lower Upper

104 100

78 115.8 33.7 50.5#

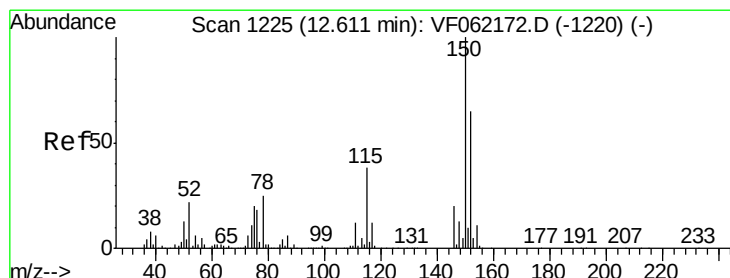
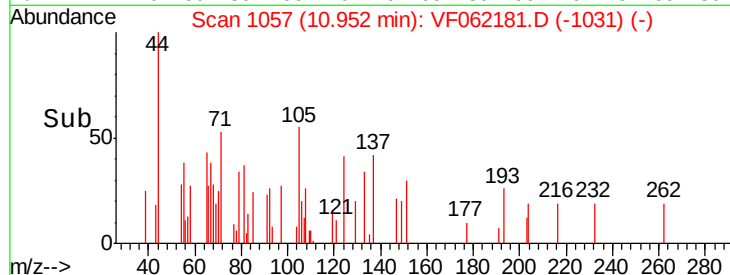
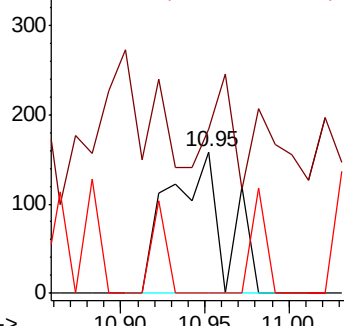
103 0.0 37.2 55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

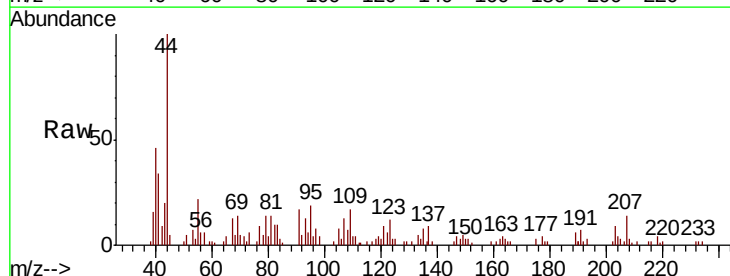
Tgt Ion:152 Resp: 64

Ion Ratio Lower Upper

152 100

115 159.3 29.0 87.1#

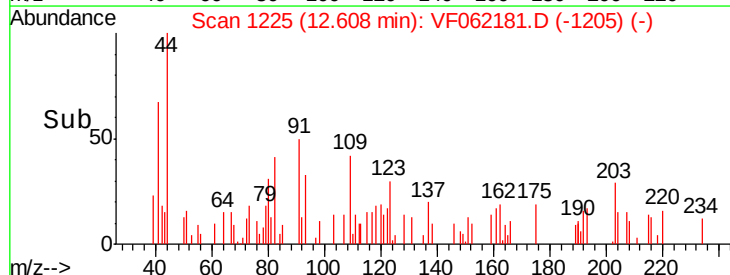
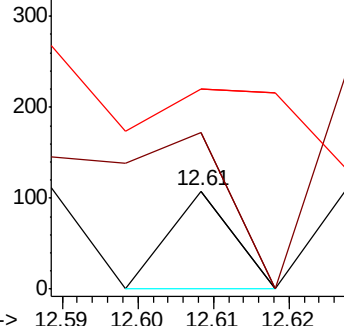
150 203.7 0.0 309.2

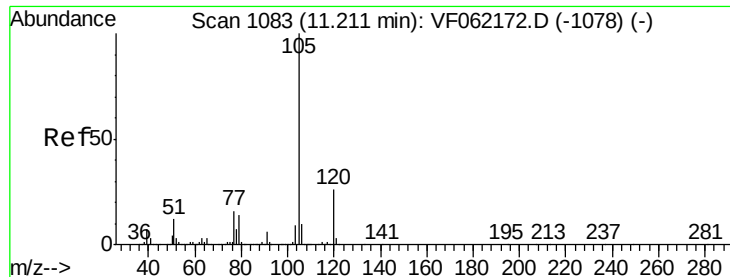


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 98.846 ug/l

RT: 11.18 min Scan# 1080

Delta R.T. -0.03 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

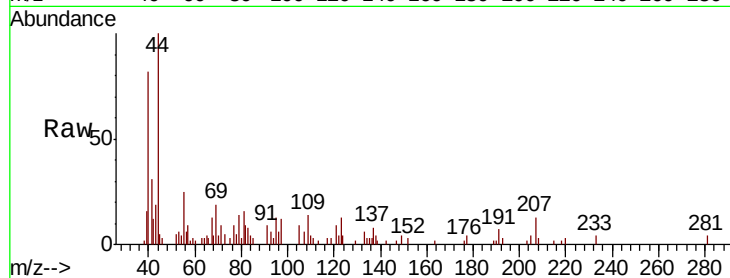
TP-3RE

Tot Ion: 105 Resp: 545

Ion Ratio Lower Upper

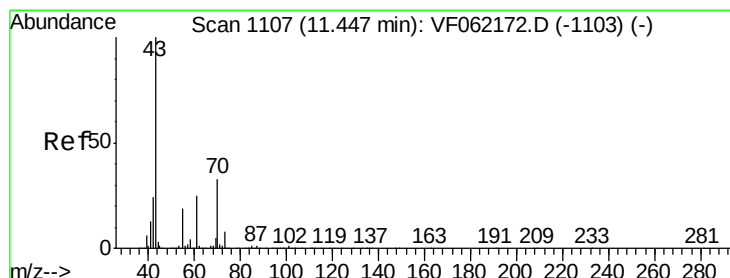
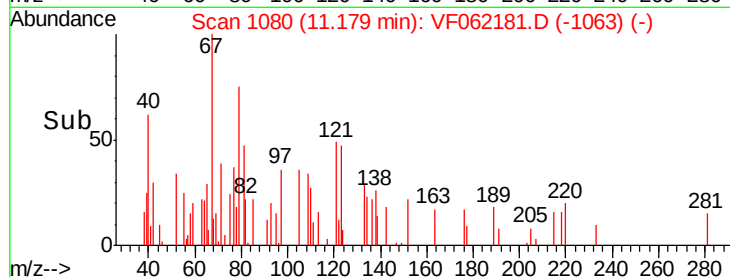
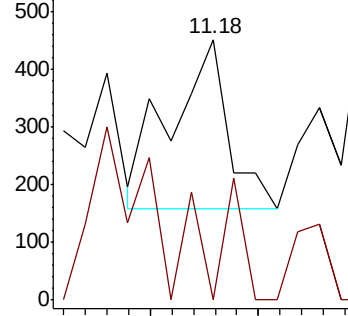
105 100

120 0.0 13.0 38.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 462.059 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Tgt Ion: 43 Resp: 538

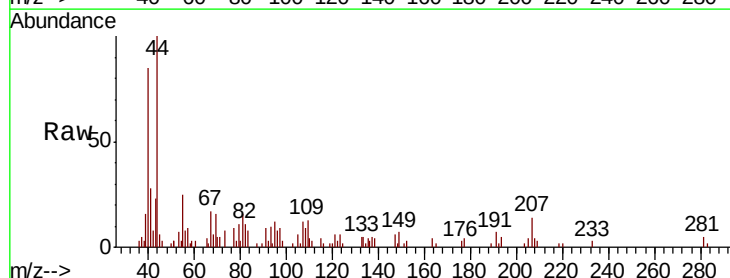
Ion Ratio Lower Upper

43 100

70 22.8 26.6 39.8#

55 110.0 15.0 22.6#

61 0.0 20.0 30.0#

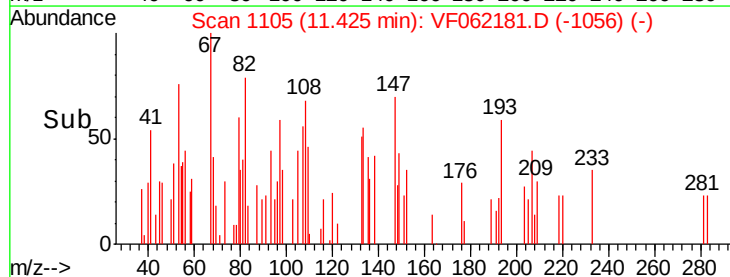
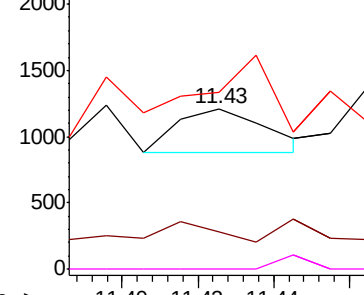


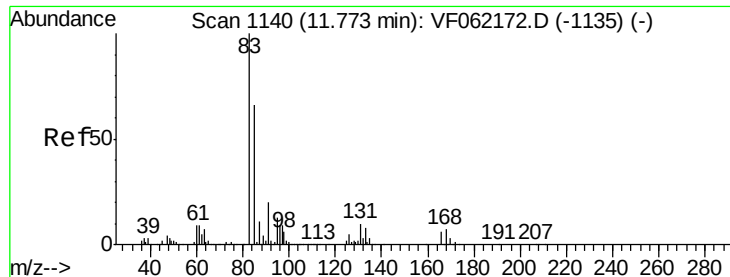
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 700.482 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

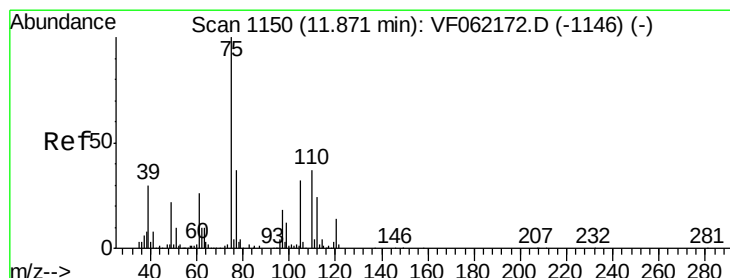
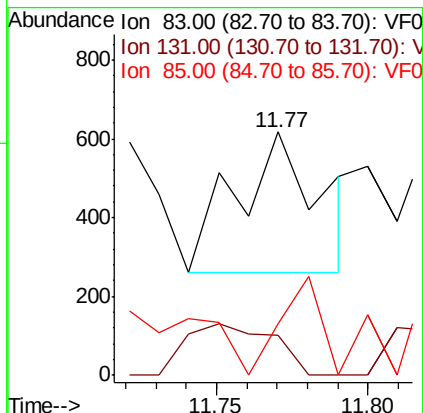
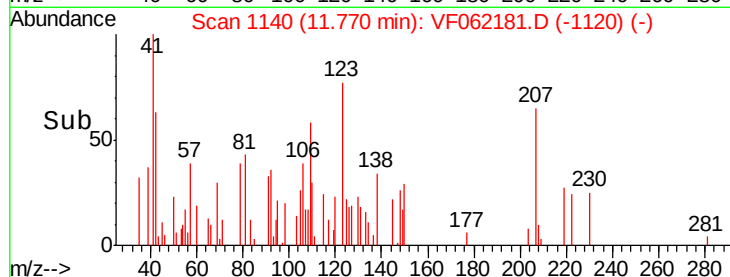
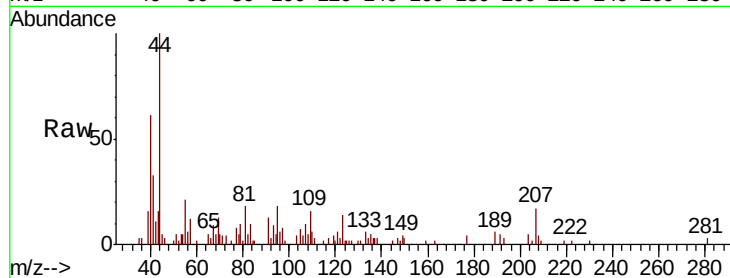
Tot Ion: 83 Resp: 688

Ion Ratio Lower Upper

83 100

131 16.3 4.8 14.4#

85 21.2 33.2 99.6#



#76

1,2,3-Trichloropropane

Concen: 352.805 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.07 min

Lab File: VF062181.D

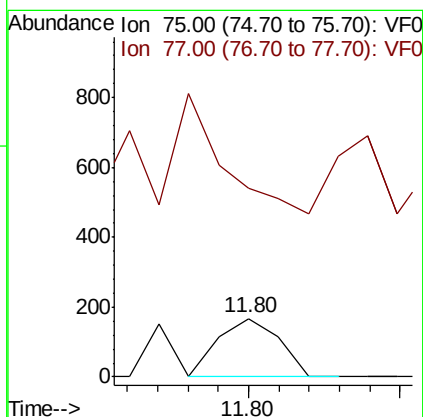
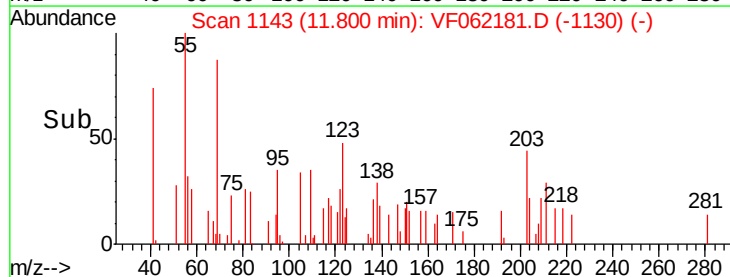
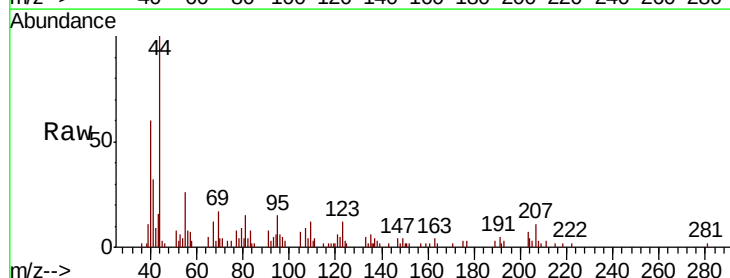
Acq: 16 Apr 2019 17:44

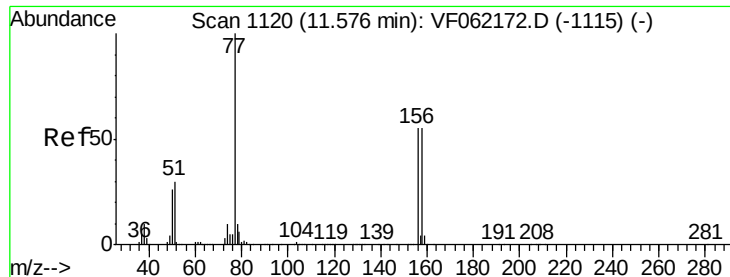
Tgt Ion: 75 Resp: 235

Ion Ratio Lower Upper

75 100

77 321.4 18.7 56.1#





#77

Bromobenzene

Concen: 51.454 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.03 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

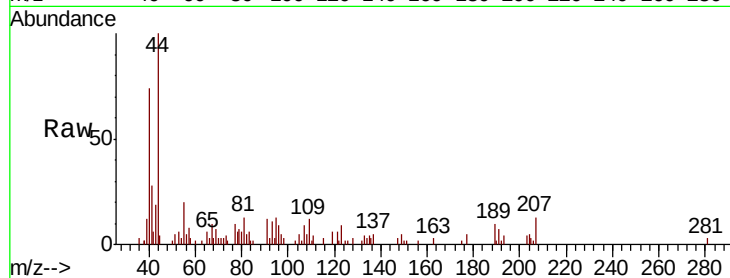
Tot Ion:156 Resp: 59

Ion Ratio Lower Upper

156 100

77 635.0 91.1 273.4#

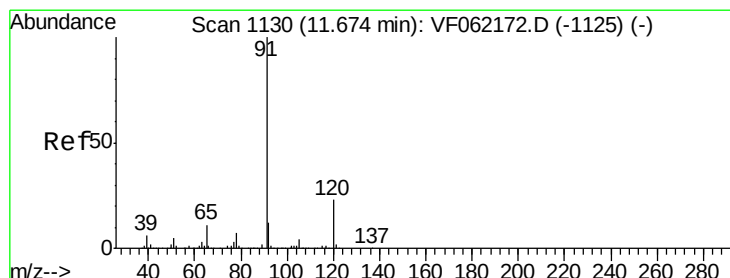
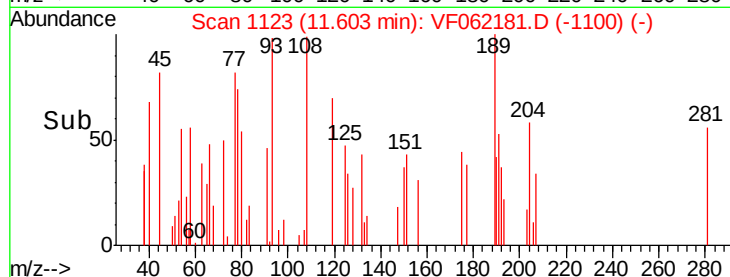
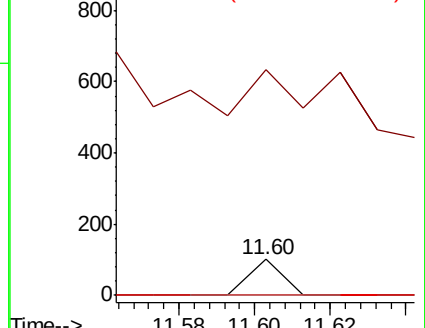
158 0.0 50.1 150.4#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 120.310 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.05 min

Lab File: VF062181.D

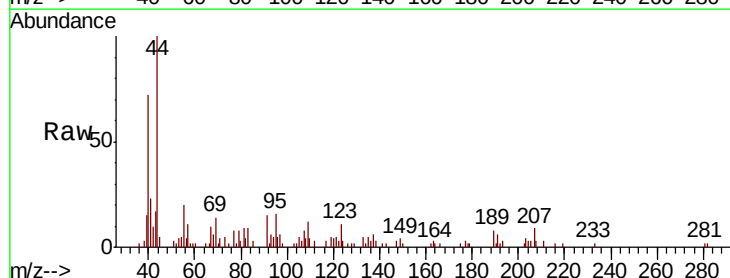
Acq: 16 Apr 2019 17:44

Tgt Ion: 91 Resp: 754

Ion Ratio Lower Upper

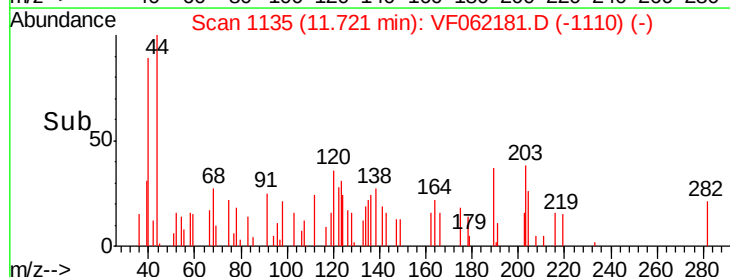
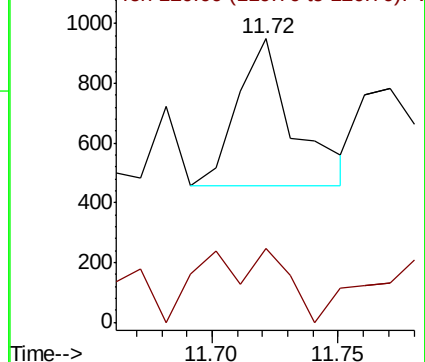
91 100

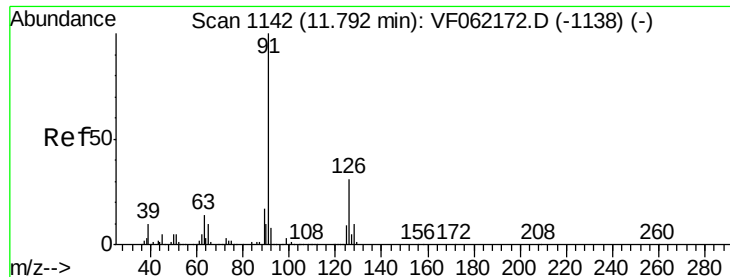
120 25.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 132.369 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

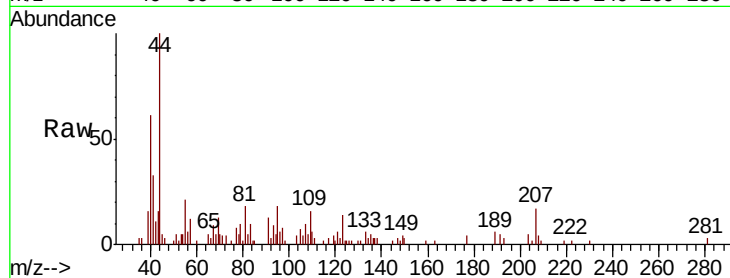
TP-3RE

Tot Ion: 91 Resp: 489

Ion Ratio Lower Upper

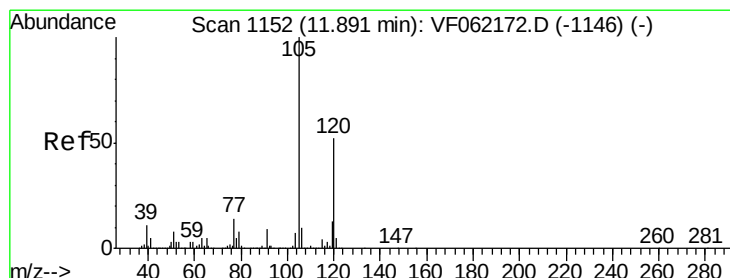
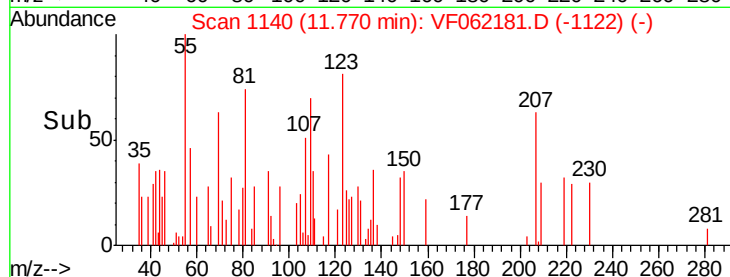
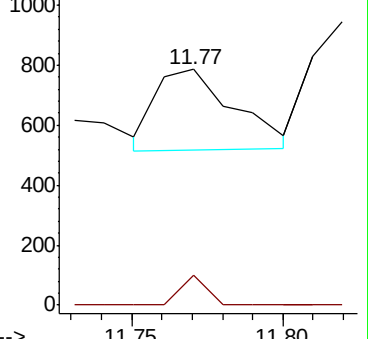
91 100

126 13.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 306.189 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VF062181.D

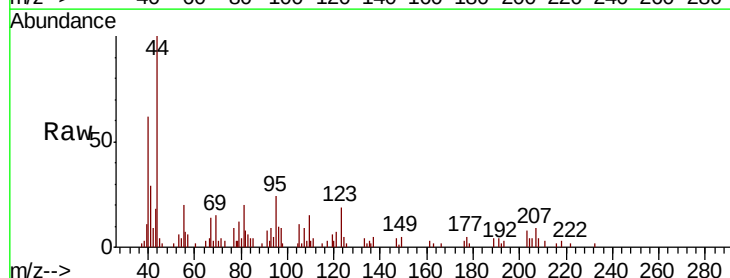
Acq: 16 Apr 2019 17:44

Tgt Ion: 105 Resp: 1408

Ion Ratio Lower Upper

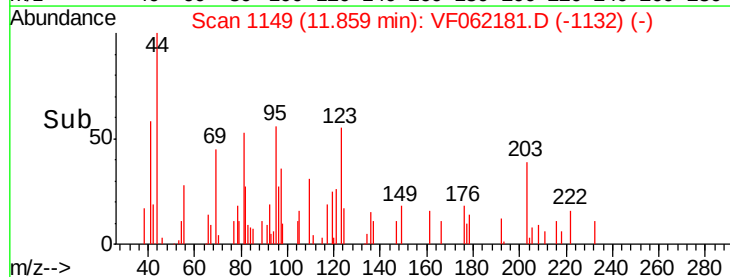
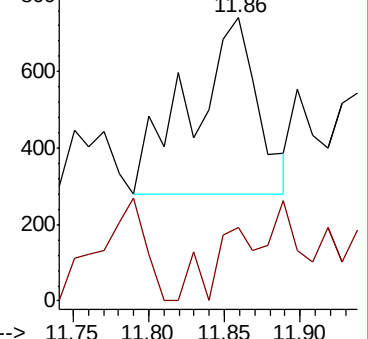
105 100

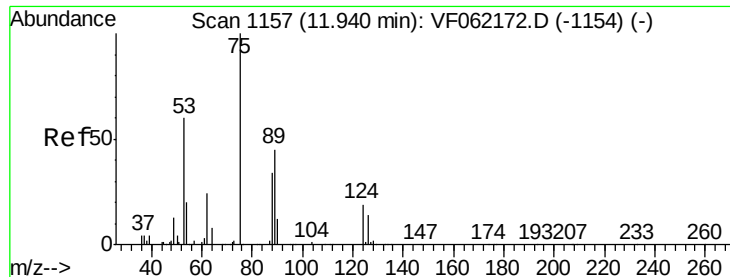
120 26.0 25.9 77.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 489.292 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.03 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

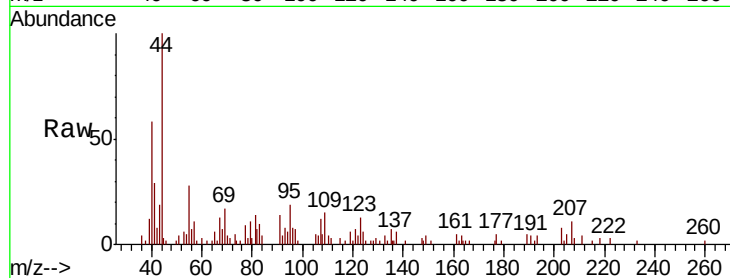
Tot Ion: 75 Resp: 163

Ion Ratio Lower Upper

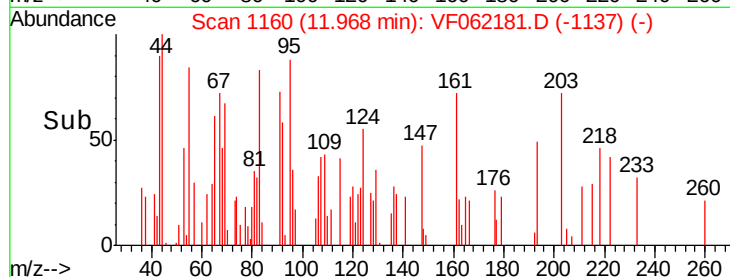
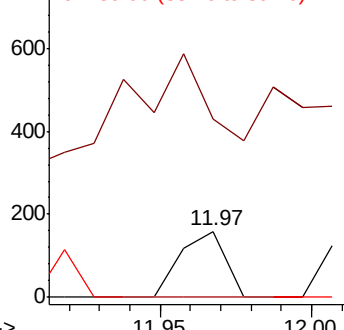
75 100

53 270.4 53.4 80.0#

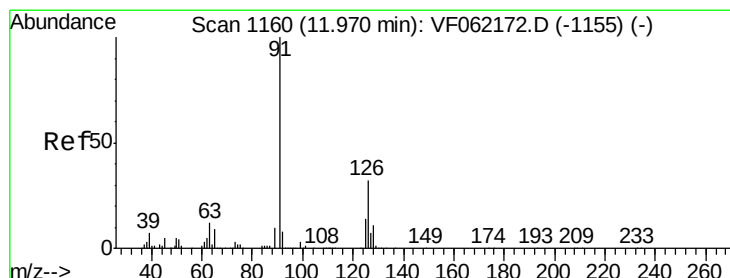
89 0.0 38.7 58.1#



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



Time-->



#82

4-Chlorotoluene

Concen: 227.056 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062181.D

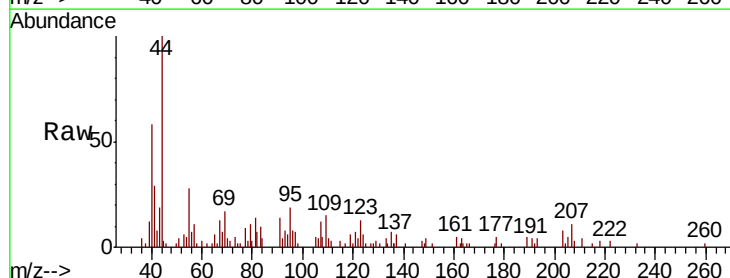
Acq: 16 Apr 2019 17:44

Tgt Ion: 91 Resp: 822

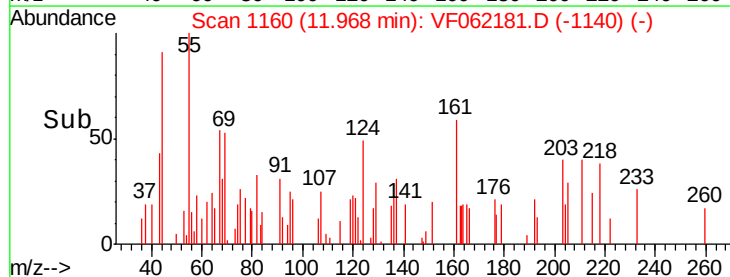
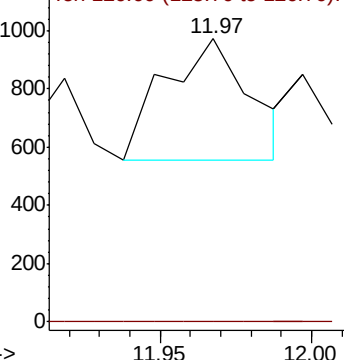
Ion Ratio Lower Upper

91 100

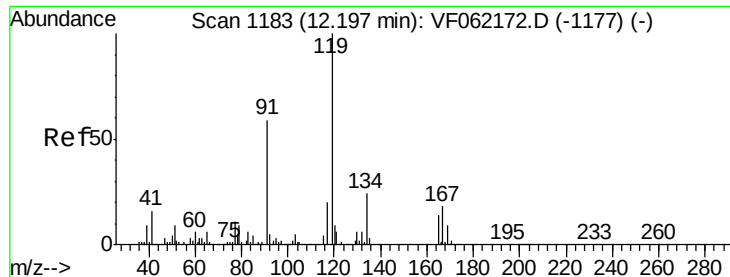
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V



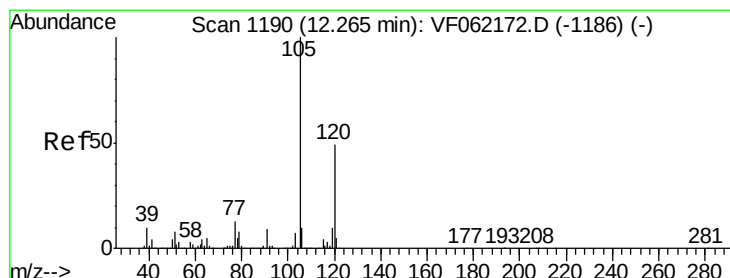
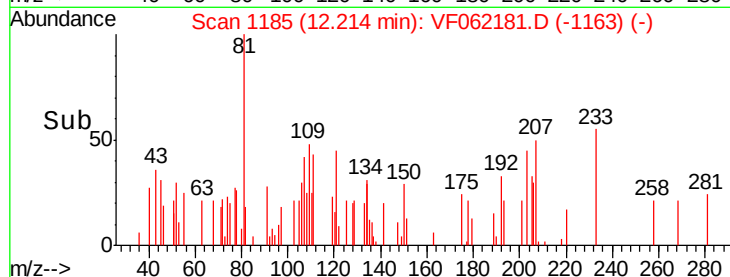
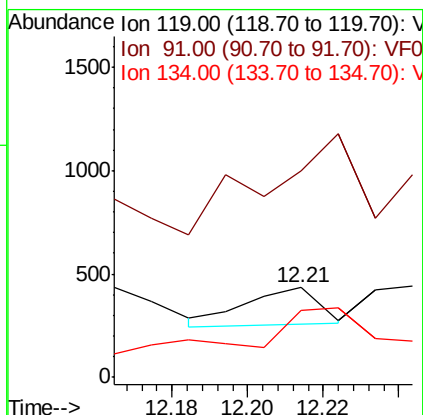
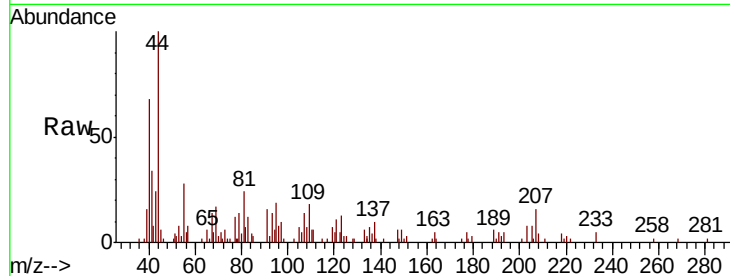
Time-->



#83
 tert-Butylbenzene
 Concen: 53.217 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.02 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

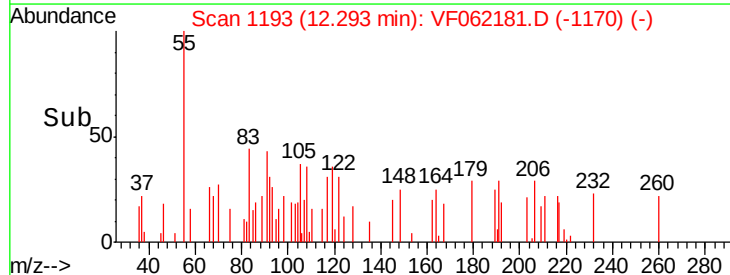
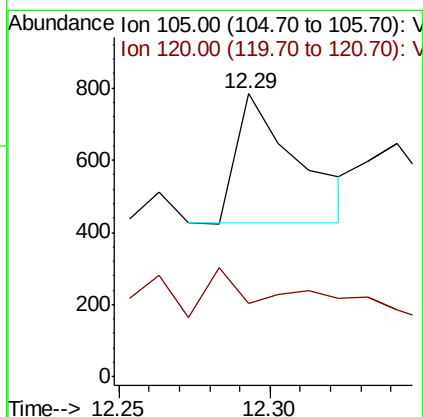
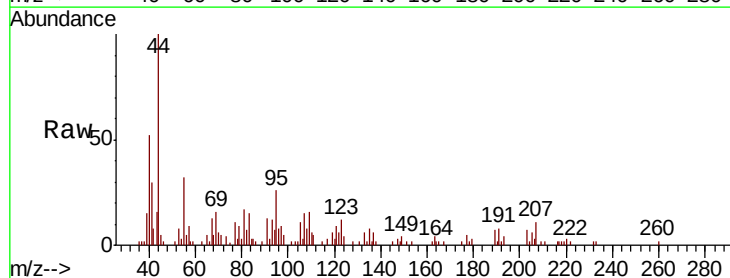
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

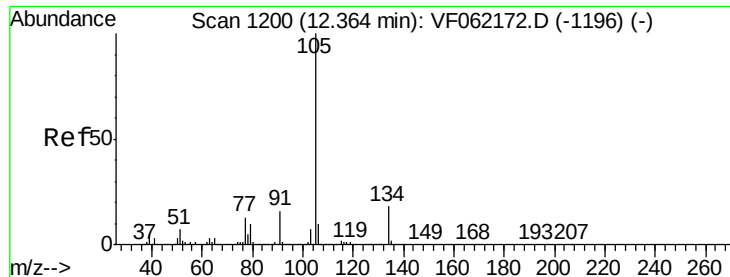
Tot Ion:119 Resp: 243
 Ion Ratio Lower Upper
 119 100
 91 230.0 29.5 88.5#
 134 74.4 12.0 36.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 112.486 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.03 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Tgt Ion:105 Resp: 502
 Ion Ratio Lower Upper
 105 100
 120 26.0 24.7 74.1





#85

sec-Butylbenzene

Concen: 88.770 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.07 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

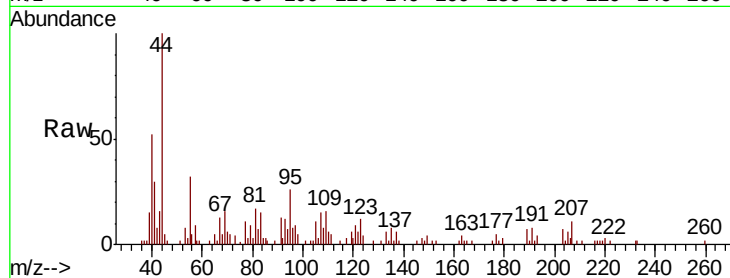
TP-3RE

Tot Ion:105 Resp: 533

Ion Ratio Lower Upper

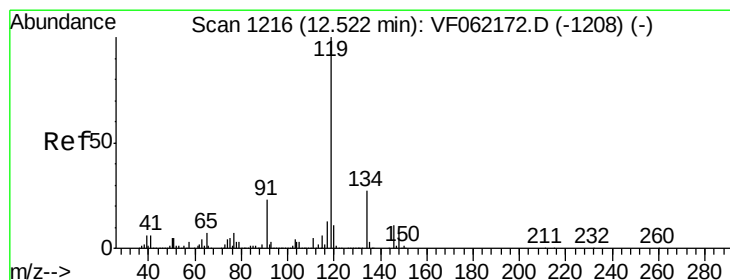
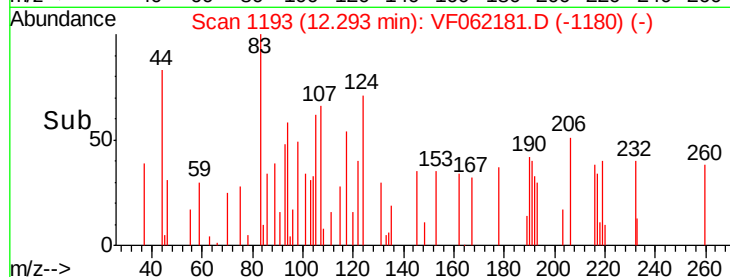
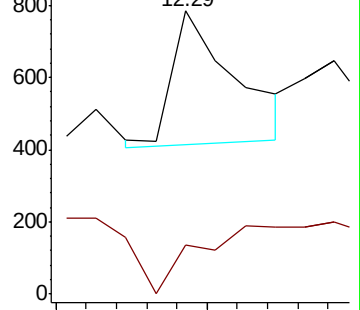
105 100

134 17.5 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 117.298 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.03 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

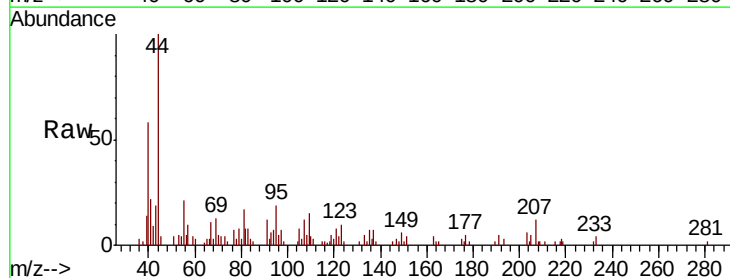
Tgt Ion:119 Resp: 600

Ion Ratio Lower Upper

119 100

134 38.3 13.5 40.5

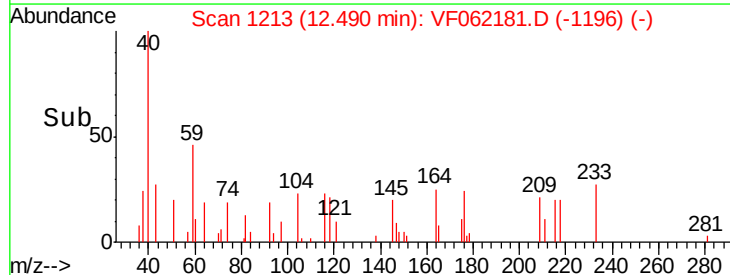
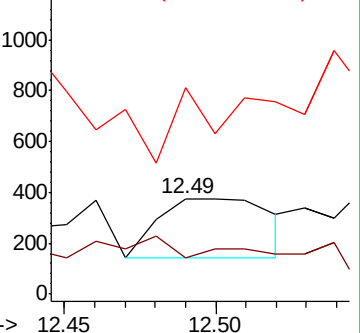
91 215.7 11.5 34.5#

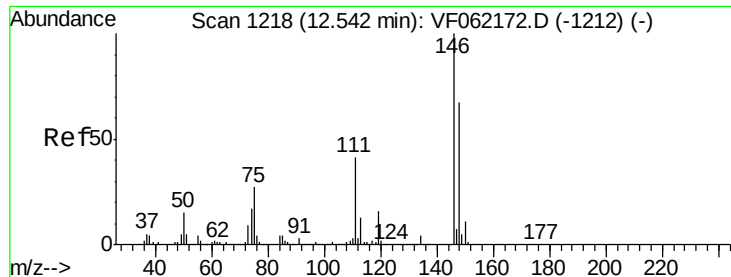


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 132.037 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

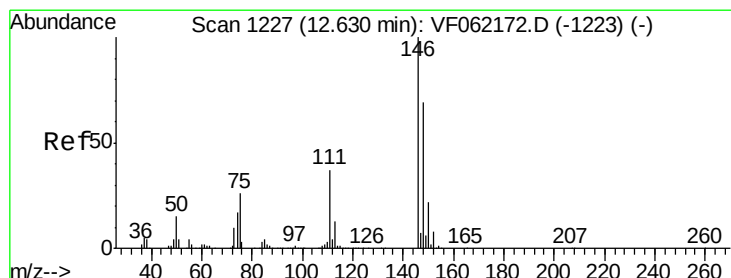
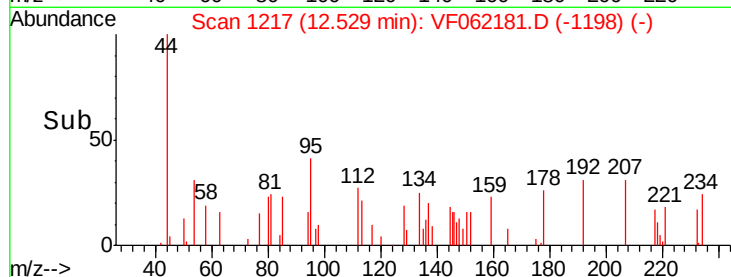
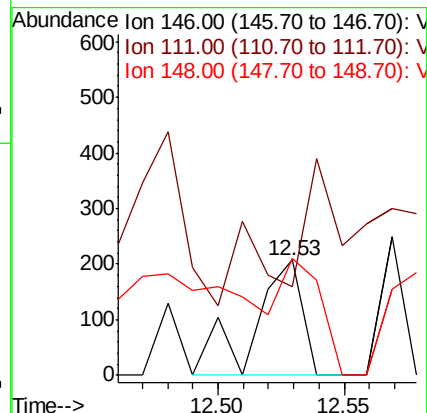
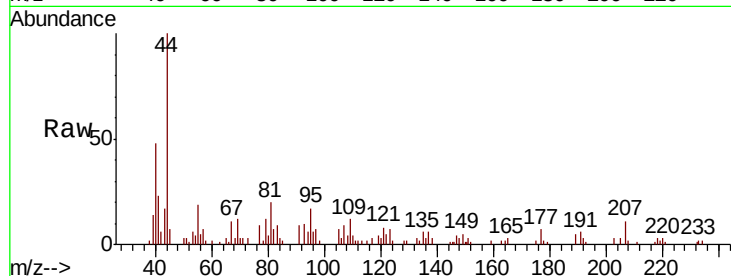
Tot Ion:146 Resp: 277

Ion Ratio Lower Upper

146 100

111 76.8 20.5 61.6#

148 101.9 33.6 100.8#



#88

1,4-Dichlorobenzene

Concen: 33.245 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

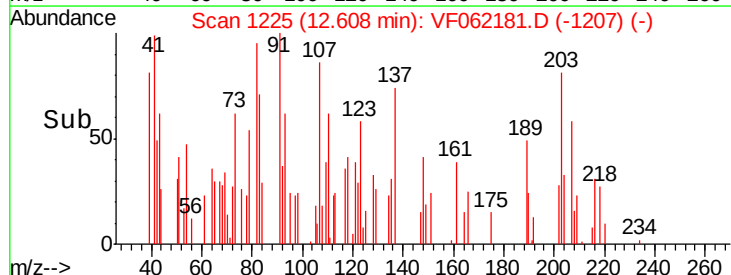
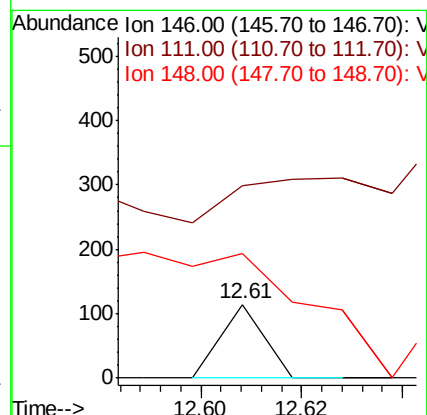
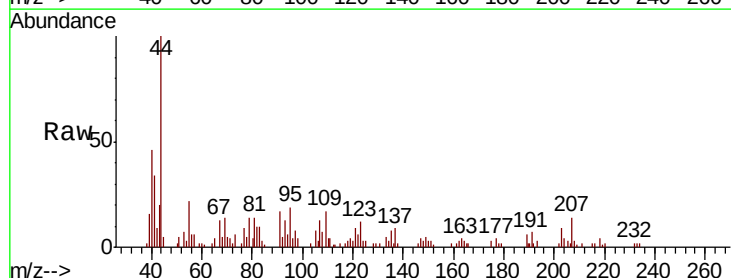
Tgt Ion:146 Resp: 68

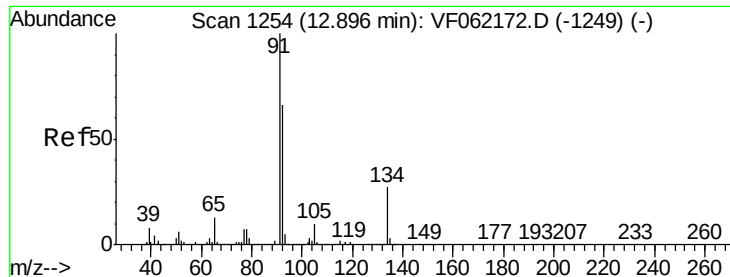
Ion Ratio Lower Upper

146 100

111 259.1 18.6 55.6#

148 168.7 34.3 102.8#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.93 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

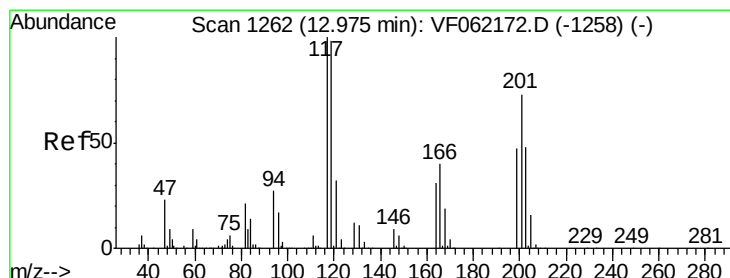
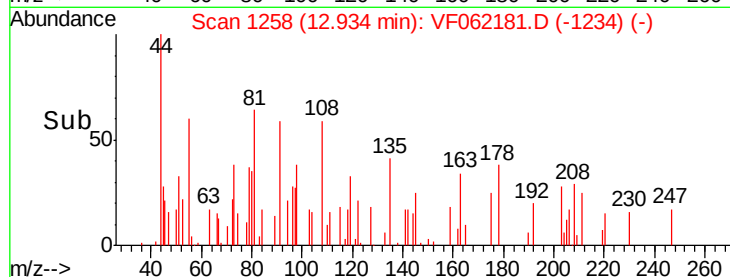
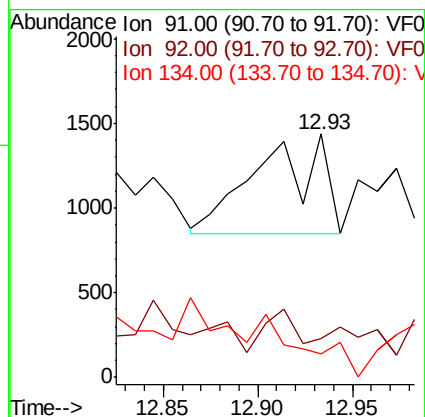
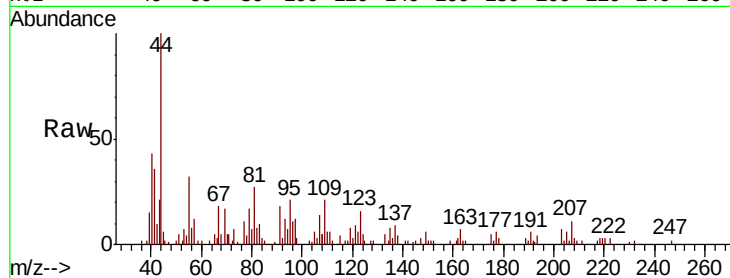
Tot Ion: 91 Resp: 1424

Ion Ratio Lower Upper

91 100

92 15.9 32.9 98.6#

134 9.7 13.4 40.2#



#90

Hexachloroethane

Concen: 308.063 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.11 min

Lab File: VF062181.D

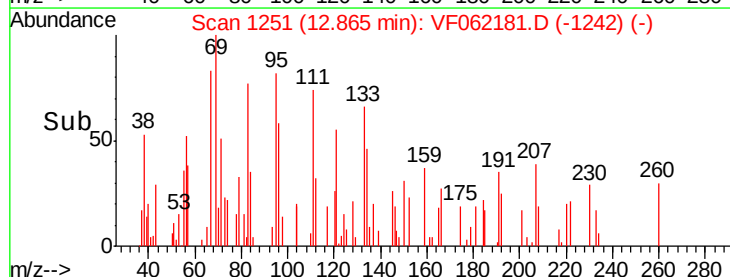
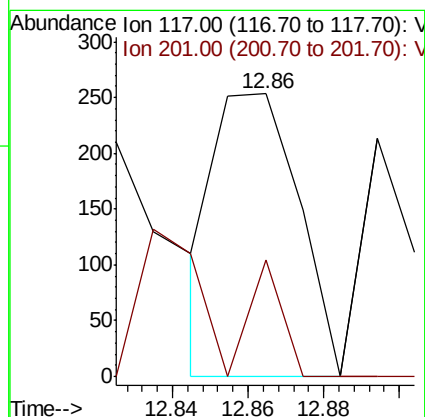
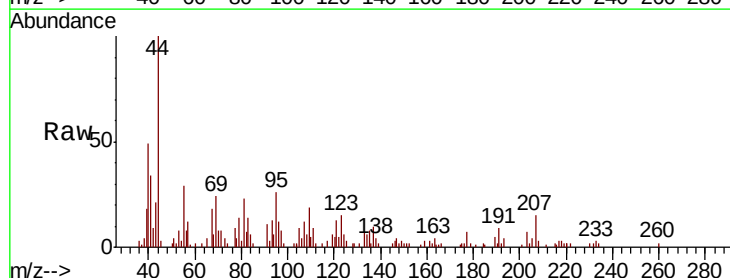
Acq: 16 Apr 2019 17:44

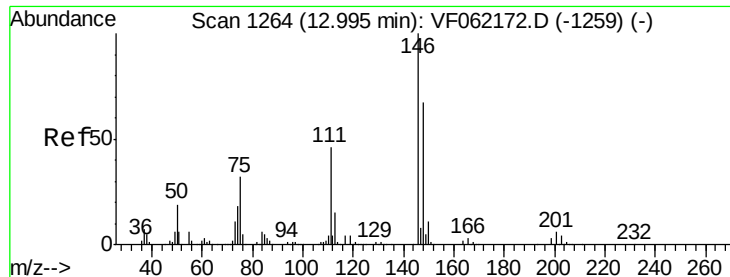
Tgt Ion: 117 Resp: 386

Ion Ratio Lower Upper

117 100

201 41.1 36.7 110.1





#91

1,2-Dichlorobenzene

Concen: 71.524 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.04 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

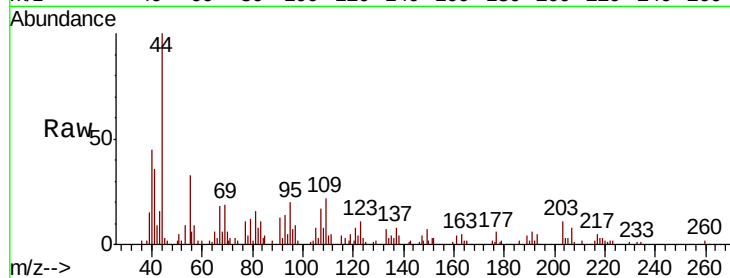
Tot Ion:146 Resp: 144

Ion Ratio Lower Upper

146 100

111 347.6 22.9 68.8#

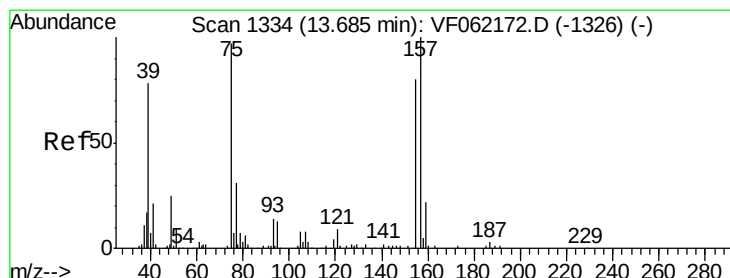
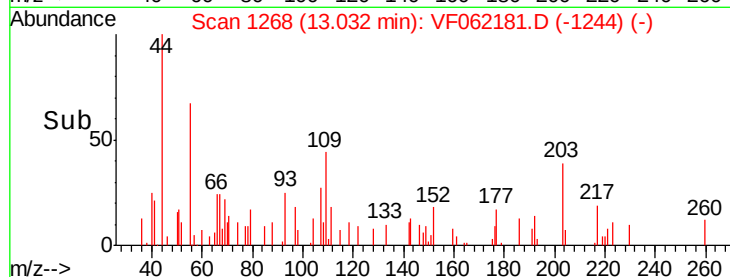
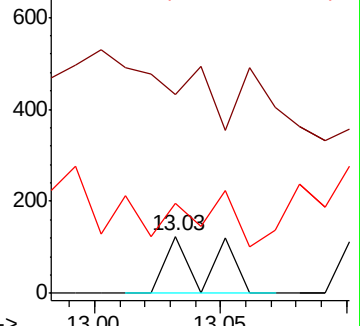
148 158.1 33.6 100.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1254.969 ug/l

RT: 13.67 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VF062181.D

Acq: 16 Apr 2019 17:44

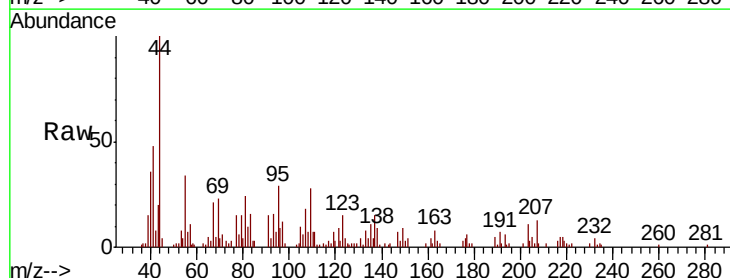
Tgt Ion: 75 Resp: 222

Ion Ratio Lower Upper

75 100

155 0.0 41.0 123.0#

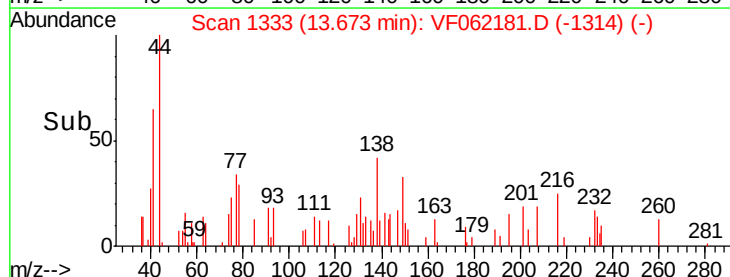
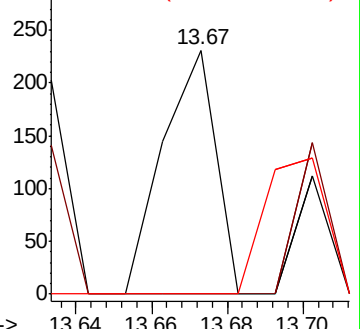
157 0.0 51.3 154.0#

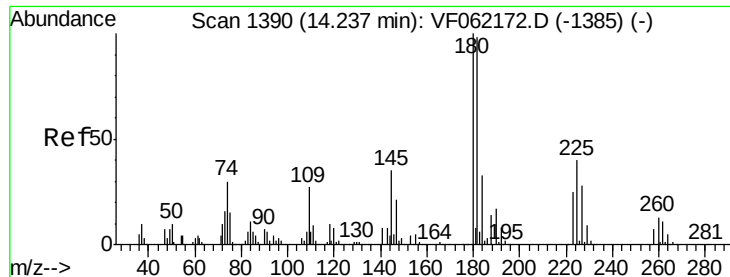


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

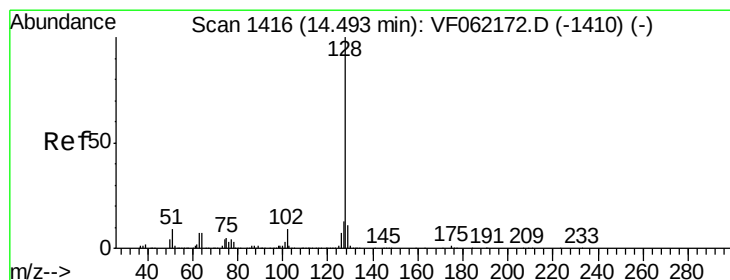
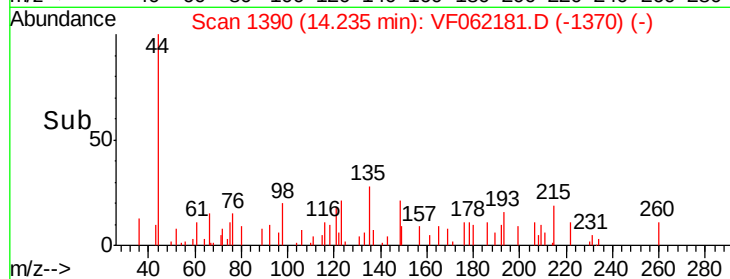
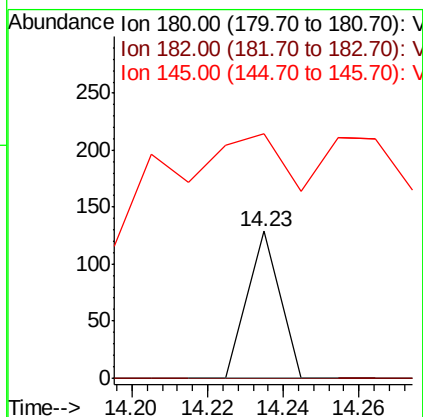
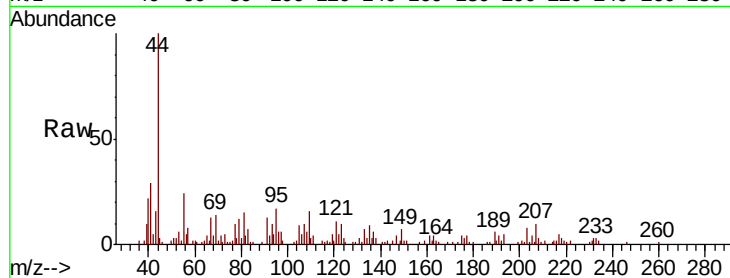




#93
 1,2,4-Trichlorobenzene
 Concen: 50.262 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

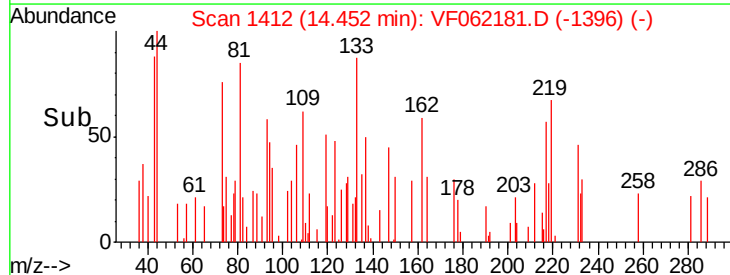
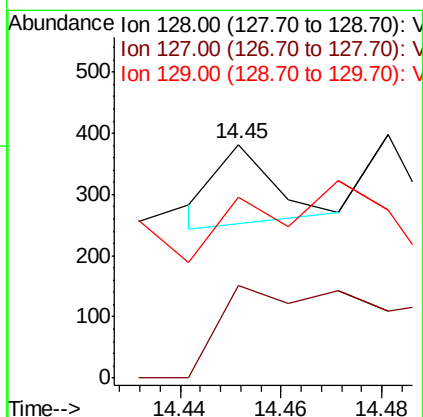
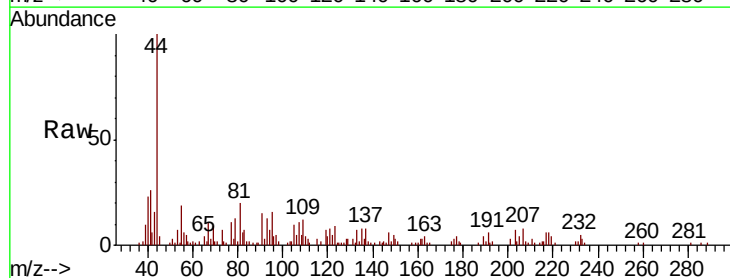
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

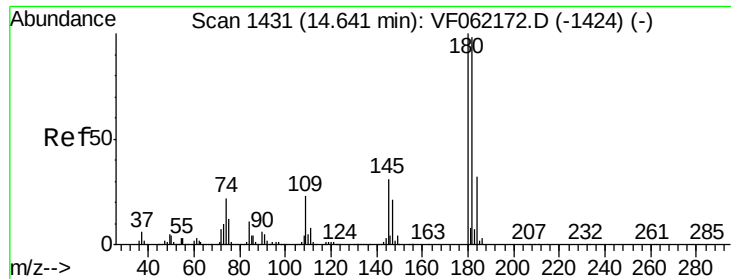
Tot Ion:180 Resp: 76
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.8 146.4#
 145 165.9 17.3 52.0#



#95
 Naphthalene
 Concen: 38.611 ug/l
 RT: 14.45 min Scan# 1412
 Delta R.T. -0.04 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Tgt Ion:128 Resp: 102
 Ion Ratio Lower Upper
 128 100
 127 39.5 10.3 15.5#
 129 77.5 9.2 13.8#

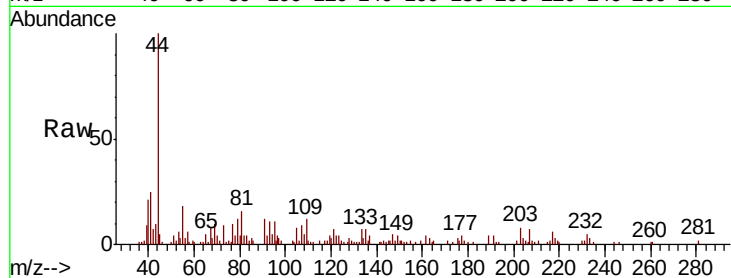




#96
 1,2,3-Trichlorobenzene
 Concen: 58.917 ug/l
 RT: 14.64 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VF062181.D
 Acq: 16 Apr 2019 17:44

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	74.5	49.0	147.2
145	177.3	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

