

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062335.D
 Acq On : 30 Apr 2019 15:59
 Operator : FY/SY
 Sample : K2617-01RE
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

Quant Time: May 01 02:53:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	9971	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	7495	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	4597	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	425	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	1296	16.05	ug/l	0.00
Spiked Amount			Recovery	=	32.10%	
35) Dibromofluoromethane	4.28	113	1677	30.18	ug/l	-0.04
Spiked Amount			Recovery	=	60.36%	
50) Toluene-d8	7.71	98	5882	43.33	ug/l	-0.02
Spiked Amount			Recovery	=	86.66%	
62) 4-Bromofluorobenzene	11.48	95	1132	20.23	ug/l	-0.03
Spiked Amount			Recovery	=	40.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.14	50	407	4.077	ug/l #	55
4) Vinyl Chloride	1.02	62	193	2.041	ug/l #	44
5) Bromomethane	1.37	94	291	4.533	ug/l #	6
6) Chloroethane	1.43	64	61	1.472	ug/l #	1
8) Diethyl Ether	1.71	74	270	9.921	ug/l	47
11) Tert butyl alcohol	2.70	59	224	45.848	ug/l #	71
12) 1,1-Dichloroethene	1.88	96	186	2.211	ug/l #	1
13) Acrolein	2.06	56	111	31.683	ug/l #	10
14) Allyl chloride	2.17	41	625	6.827	ug/l #	1
15) Acrylonitrile	3.05	53	350	25.865	ug/l #	46
16) Acetone	2.33	43	351	19.410	ug/l #	56
18) Methyl Acetate	2.43	43	391	9.185	ug/l #	65
19) Methyl tert-butyl Ether	2.55	73	976	6.086	ug/l #	57
20) Methylene Chloride	2.30	84	209	Below Cal	#	43
22) Diisopropyl ether	2.91	45	618	2.508	ug/l #	43
23) Vinyl Acetate	3.35	43	564	5.161	ug/l #	78
25) 2-Butanone	4.51	43	677	23.611	ug/l #	57
26) 2,2-Dichloropropane	3.71	77	301	4.121	ug/l	85
27) cis-1,2-Dichloroethene	3.65	96	278	2.641	ug/l #	1
28) Bromochloromethane	3.85	49	131	2.210	ug/l #	50
29) Tetrahydrofuran	4.27	42	236	18.732	ug/l #	37
37) Ethyl Acetate	4.29	43	281	9.660	ug/l #	1
38) Carbon Tetrachloride	4.10	117	83	1.181	ug/l #	12
40) Benzene	4.81	78	523	3.131	ug/l #	86
41) Methacrylonitrile	4.91	41	403	24.937	ug/l #	37
42) 1,2-Dichloroethane	5.14	62	140	2.645	ug/l #	76
43) Isopropyl Acetate	7.08	43	354	11.714	ug/l #	77
45) 1,2-Dichloropropane	6.63	63	131	3.478	ug/l #	45
46) Dibromomethane	6.34	93	64	2.353	ug/l #	1
47) Bromodichloromethane	6.56	83	66	1.032	ug/l #	23
48) Methyl methacrylate	6.88	41	578	27.120	ug/l #	43
49) 1,4-Dioxane	7.04	88	60	244.483	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	229	9.991	ug/l #	51
52) Toluene	7.77	92	665	6.898	ug/l	88

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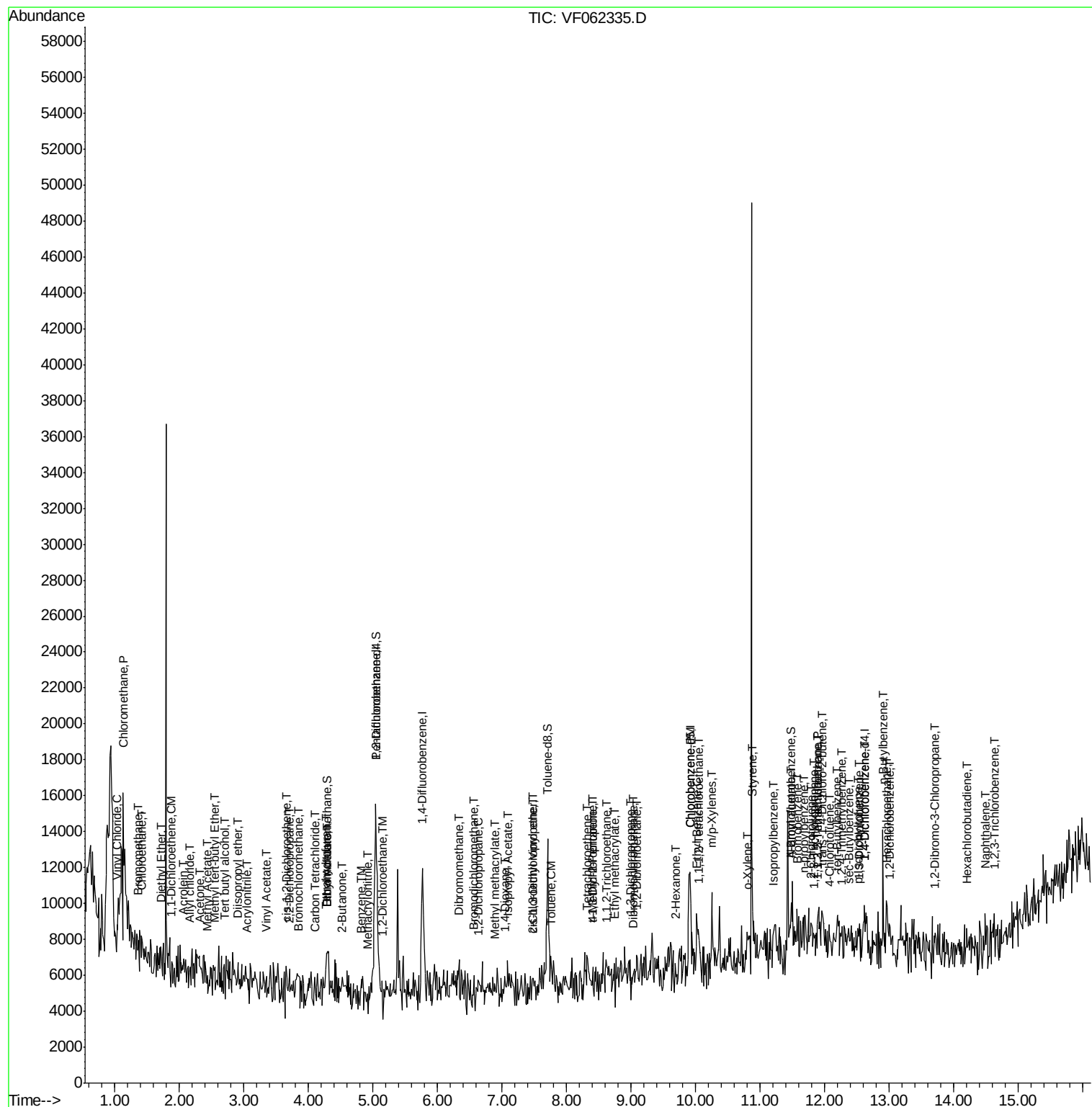
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) t-1,3-Dichloropropene	8.42	75	158	3.360	ug/l #	41
54) cis-1,3-Dichloropropene	7.48	75	141	2.341	ug/l #	1
55) 1,1,2-Trichloroethane	8.63	97	97	3.543	ug/l #	14
56) Ethyl methacrylate	8.73	69	188	6.250	ug/l #	1
57) 1,3-Dichloropropane	8.99	76	59	1.371	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.47	63	62	6.774	ug/l #	1
59) 2-Hexanone	9.70	43	348	11.324	ug/l	100
60) Dibromochloromethane	9.03	129	72	1.620	ug/l #	11
61) 1,2-Dibromoethane	9.08	107	153	4.828	ug/l #	40
64) Tetrachloroethene	8.32	164	77	2.003	ug/l #	1
65) Chlorobenzene	9.92	112	571	6.797	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	81	2.047	ug/l #	1
67) Ethyl Benzene	10.02	91	1580	10.819	ug/l	98
68) m/p-Xylenes	10.26	106	874	16.074	ug/l	77
69) o-Xylene	10.81	106	483	7.951	ug/l	67
70) Styrene	10.88	104	539	6.138	ug/l #	76
73) Isopropylbenzene	11.19	105	1611	55.325	ug/l	96
74) N-amyl acetate	11.48	43	421	62.749	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.87	83	64	13.834	ug/l #	58
76) 1,2,3-Trichloropropane	11.83	75	66	20.108	ug/l #	100
77) Bromobenzene	11.57	156	231	31.733	ug/l #	45
78) n-propylbenzene	11.66	91	1500	48.957	ug/l	93
79) 2-Chlorotoluene	11.79	91	1083	58.682	ug/l #	50
80) 1,3,5-Trimethylbenzene	11.88	105	591	24.042	ug/l #	52
81) trans-1,4-Dichloro-2-buten	11.94	75	338	230.376	ug/l #	7
82) 4-Chlorotoluene	12.08	91	271	14.840	ug/l	82
83) tert-Butylbenzene	12.18	119	889	35.239	ug/l	74
84) 1,2,4-Trimethylbenzene	12.25	105	513	21.547	ug/l	78
85) sec-Butylbenzene	12.36	105	1046	33.289	ug/l #	70
86) p-Isopropyltoluene	12.52	119	961	34.113	ug/l	89
87) 1,3-Dichlorobenzene	12.54	146	415	32.224	ug/l #	65
88) 1,4-Dichlorobenzene	12.62	146	159	13.021	ug/l #	77
89) n-Butylbenzene	12.90	91	104	4.063	ug/l #	78
90) Hexachloroethane	12.97	117	416	58.910	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	241	19.495	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	63	67.504	ug/l #	34
94) Hexachlorobutadiene	14.21	225	134	17.157	ug/l #	51
95) Naphthalene	14.48	128	251	14.918	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.63	180	72	7.010	ug/l #	11

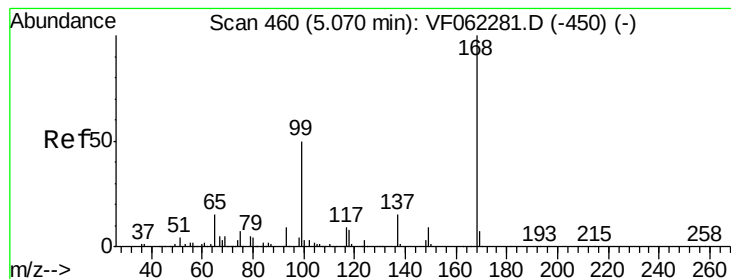
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

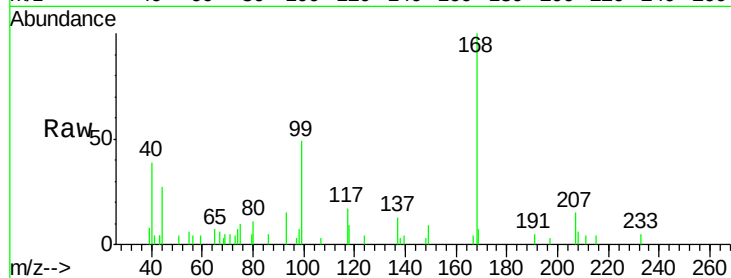
ROCK-COMPRES

Tot Ion:168 Resp: 9971

Ion Ratio Lower Upper

168 100

99 48.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

3000

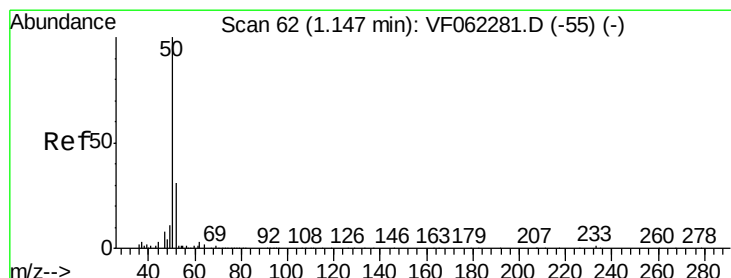
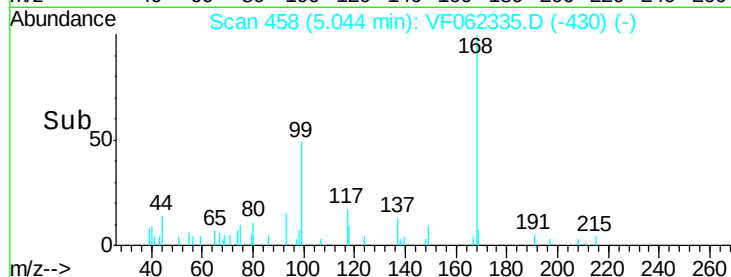
2000

1000

0

5.00 5.10

Time-->



#3

Chloromethane

Concen: 4.077 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062335.D

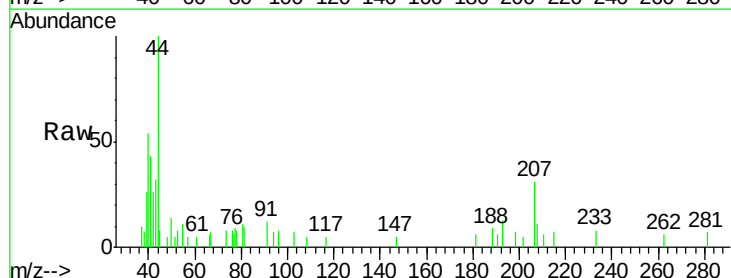
Acq: 30 Apr 2019 15:59

Tgt Ion: 50 Resp: 407

Ion Ratio Lower Upper

50 100

52 54.9 24.2 36.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.14

400

300

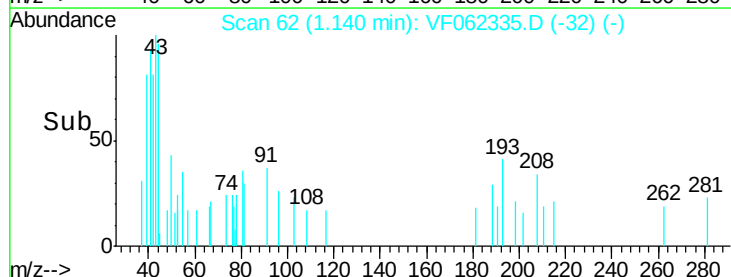
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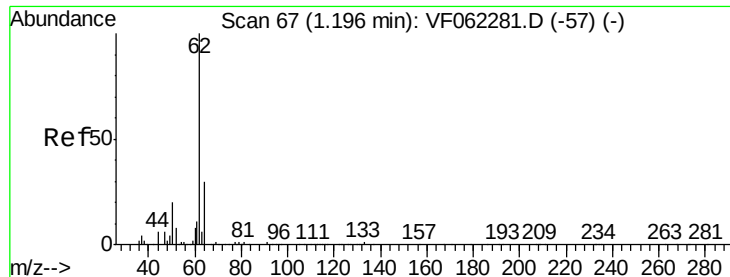
100

0

1.12 1.14 1.16

Time-->





#4

Vinyl Chloride

Concen: 2.041 ug/l

RT: 1.02 min Scan# 50

Delta R.T. -0.17 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

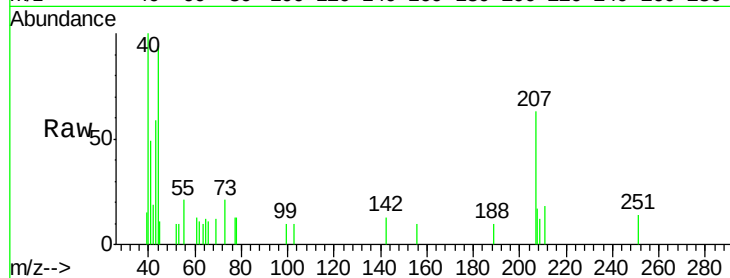
ROCK-COMPRES

Tot Ion: 62 Resp: 193

Ion Ratio Lower Upper

62 100

64 0.0 24.3 36.5#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0

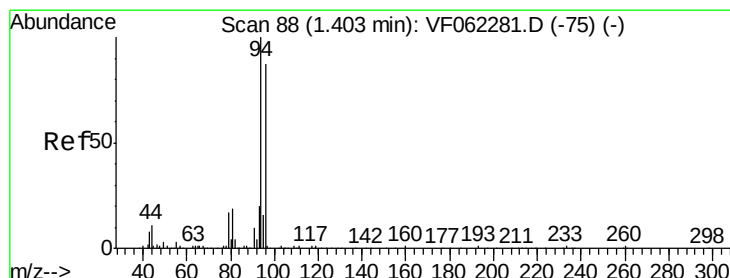
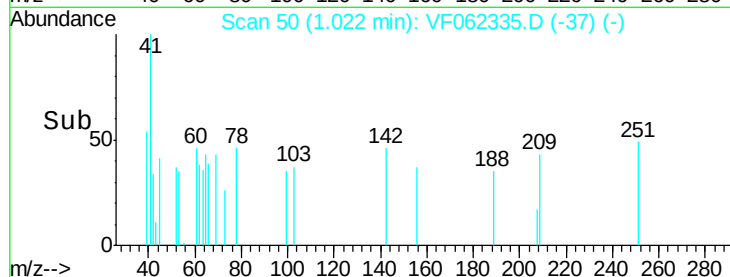
1.02

100

50

0

Time-->



#5

Bromomethane

Concen: 4.533 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062335.D

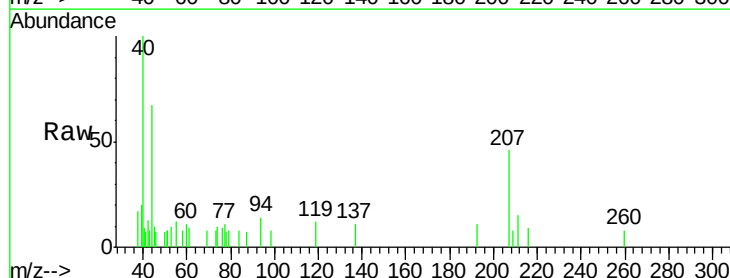
Acq: 30 Apr 2019 15:59

Tgt Ion: 94 Resp: 291

Ion Ratio Lower Upper

94 100

96 0.0 69.5 104.3#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.37

250

200

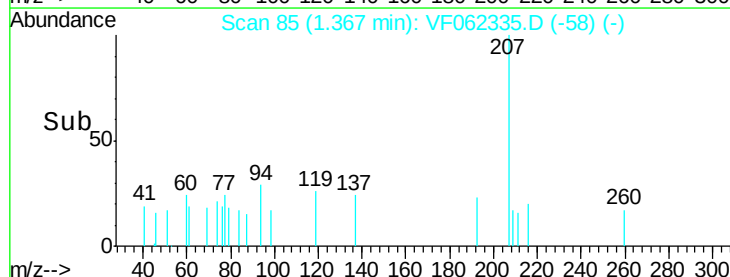
150

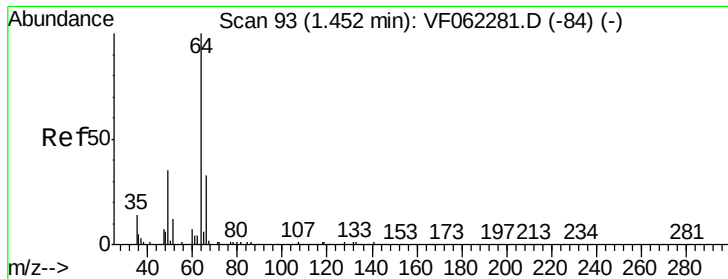
100

50

0

Time-->





#6

Chloroethane

Concen: 1.472 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

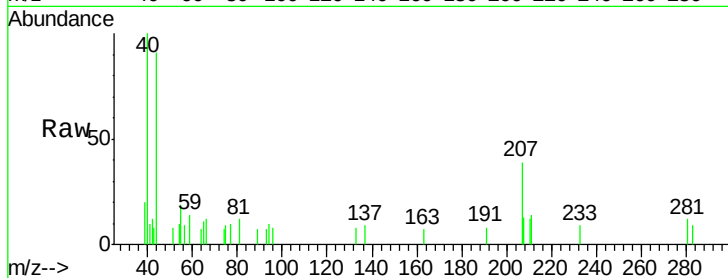
ROCK-COMPRES

Tot Ion: 64 Resp: 61

Ion Ratio Lower Upper

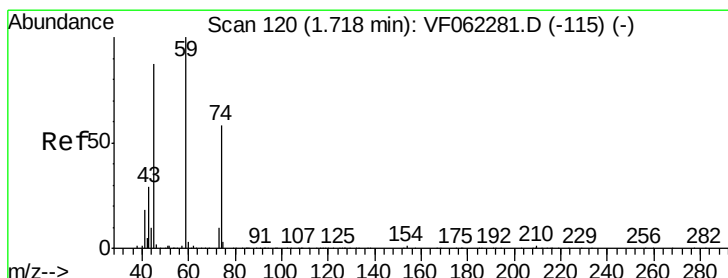
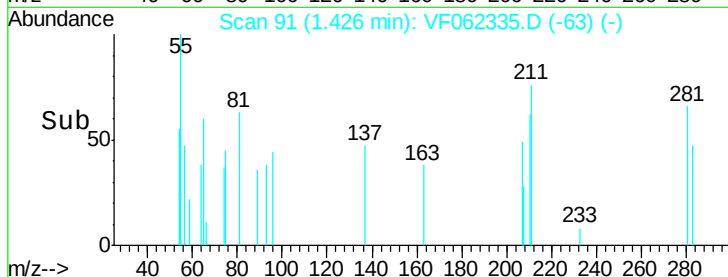
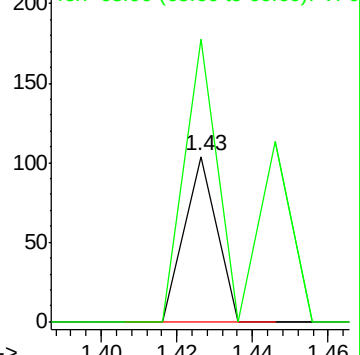
64 100

66 171.2 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



#8

Diethyl Ether

Concen: 9.921 ug/l

RT: 1.71 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062335.D

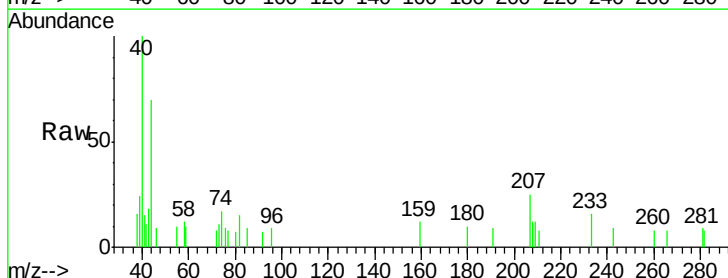
Acq: 30 Apr 2019 15:59

Tgt Ion: 74 Resp: 270

Ion Ratio Lower Upper

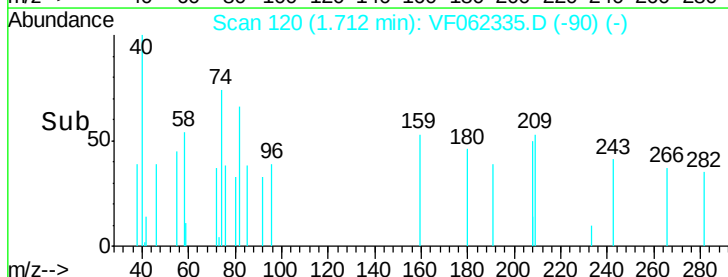
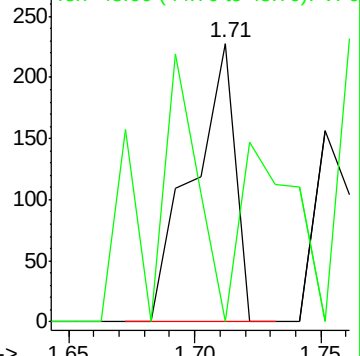
74 100

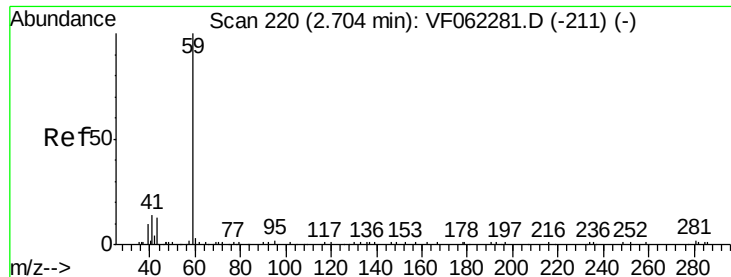
45 81.1 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



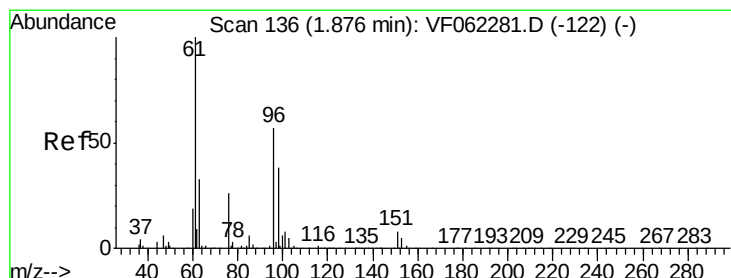
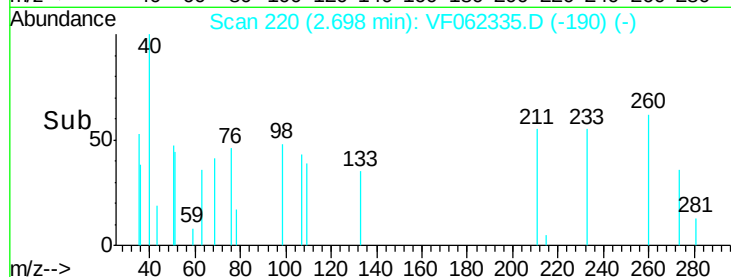
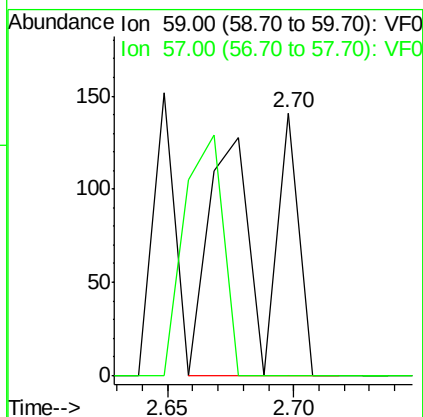
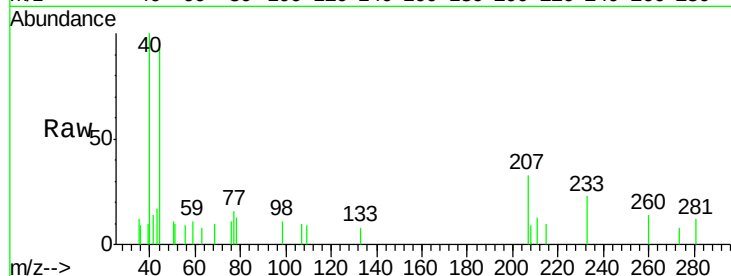


#11

Tert butyl alcohol
 Concen: 45.848 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

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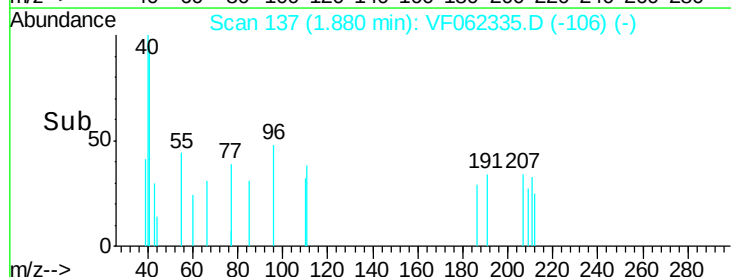
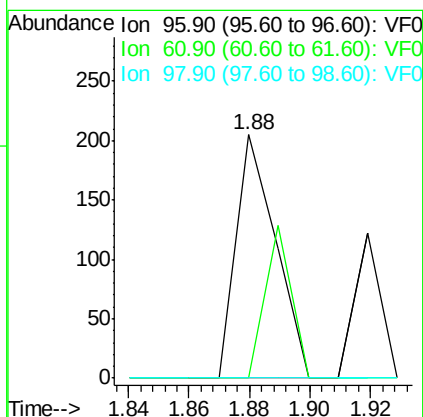
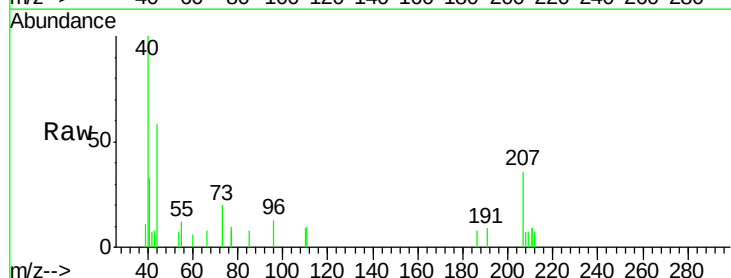
Tot Ion: 59 Resp: 224
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

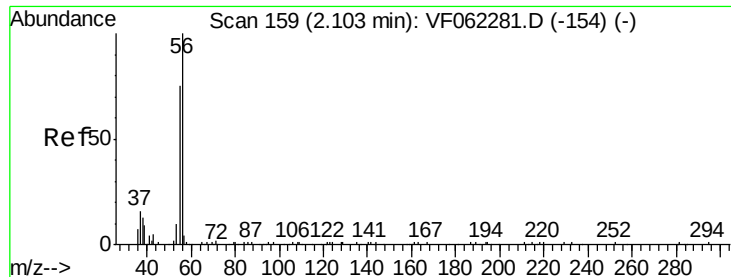


#12

1,1-Dichloroethene
 Concen: 2.211 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion: 96 Resp: 186
 Ion Ratio Lower Upper
 96 100
 61 0.0 141.1 211.7#
 98 0.0 53.4 80.0#





#13

Acrolein

Concen: 31.683 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.04 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

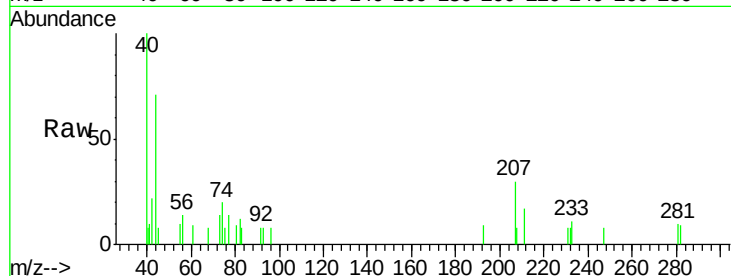
ROCK-COMPRES

Tot Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 0.0 62.3 93.5#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.06

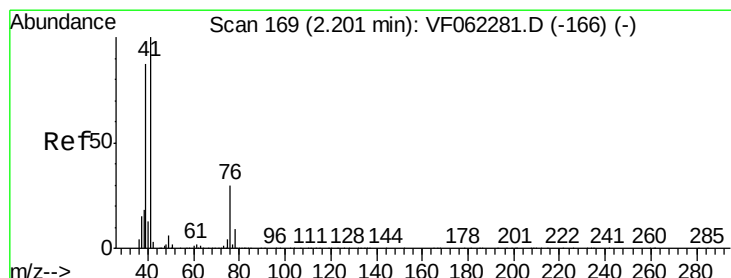
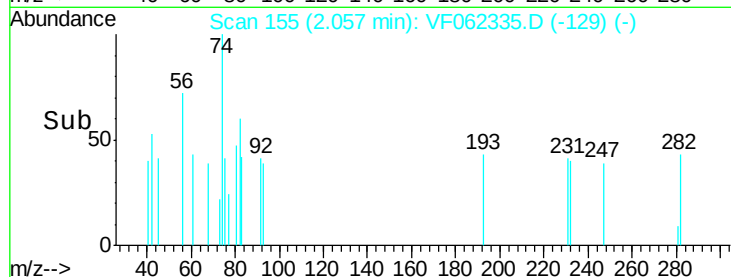
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 6.827 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.04 min

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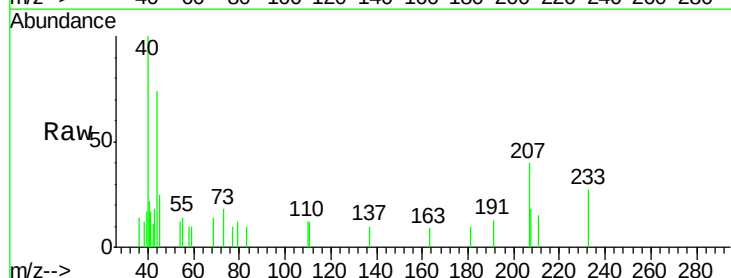
Tgt Ion: 41 Resp: 625

Ion Ratio Lower Upper

41 100

39 200.2 50.3 75.5#

76 11.2 14.8 22.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0

2.17

400

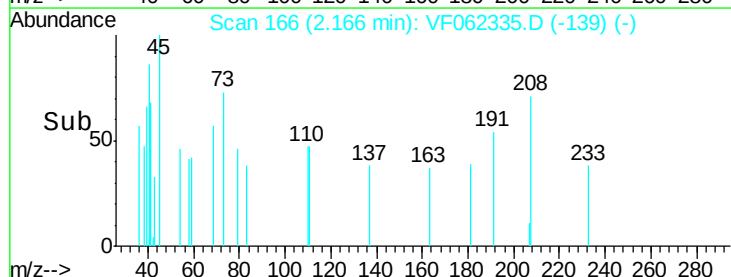
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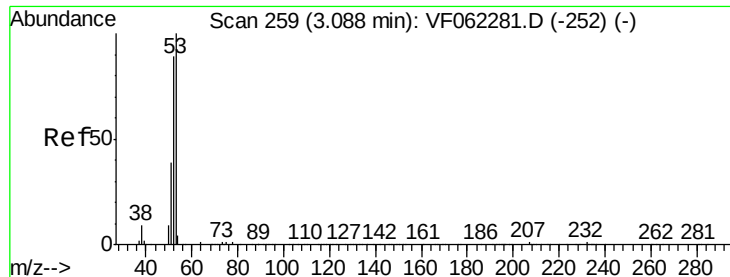
200

100

0

Time-->





#15

Acrylonitrile

Concen: 25.865 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.04 min

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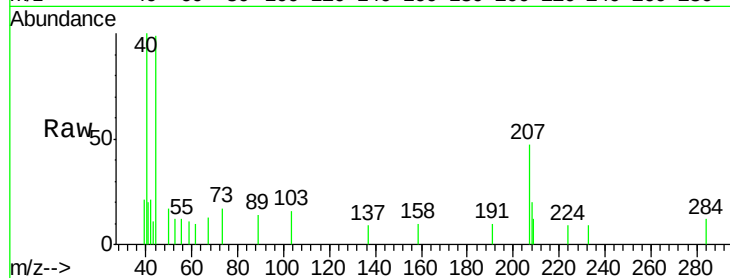
Tot Ion: 53 Resp: 350

Ion Ratio Lower Upper

53 100

52 43.4 70.6 105.8#

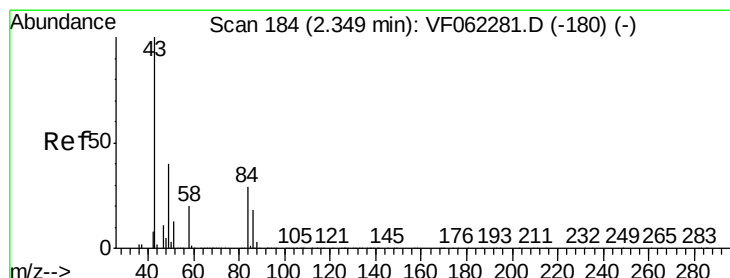
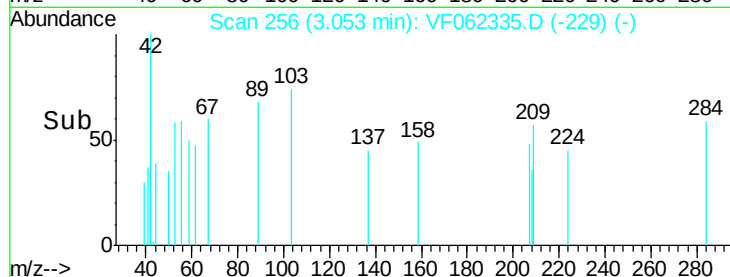
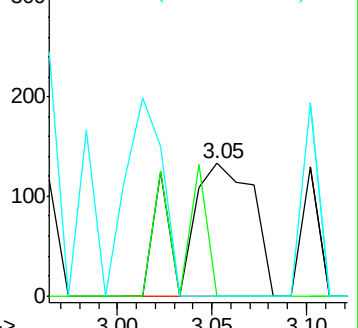
51 0.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 19.410 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062335.D

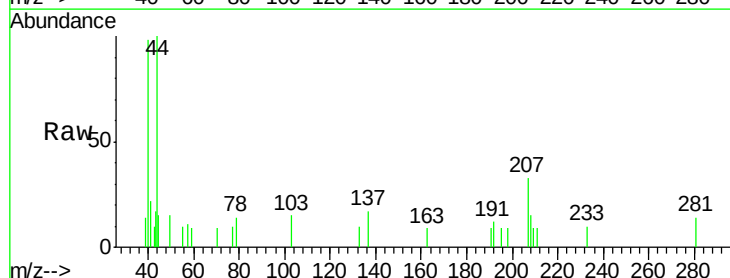
Acq: 30 Apr 2019 15:59

Tgt Ion: 43 Resp: 351

Ion Ratio Lower Upper

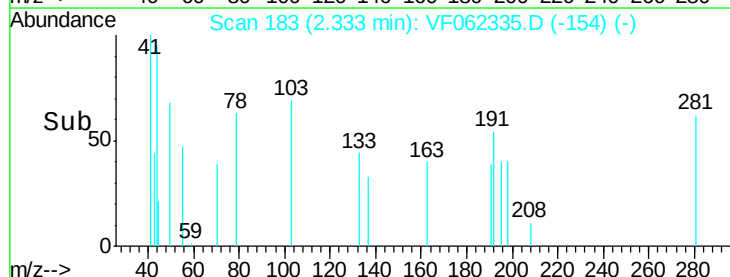
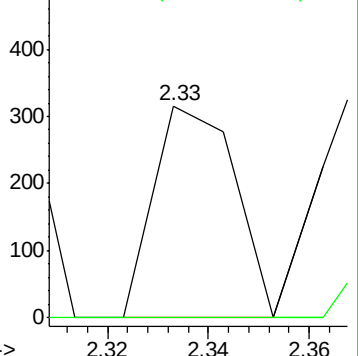
43 100

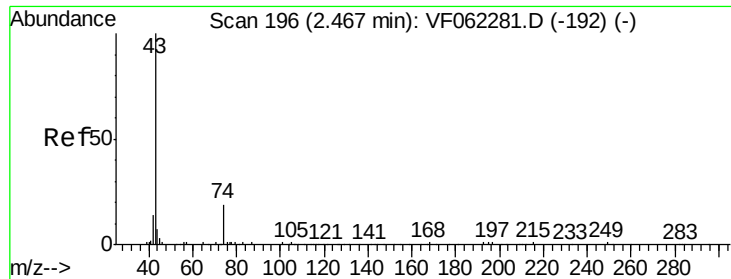
58 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

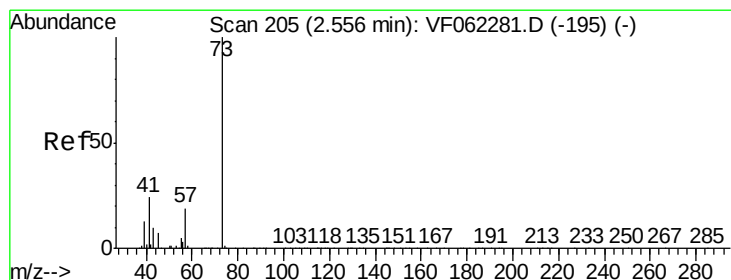
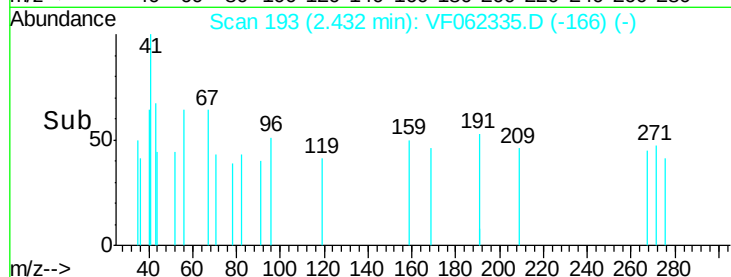
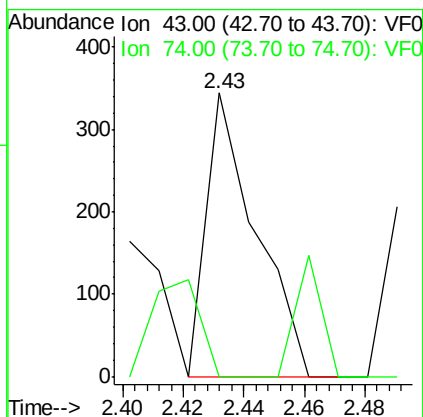
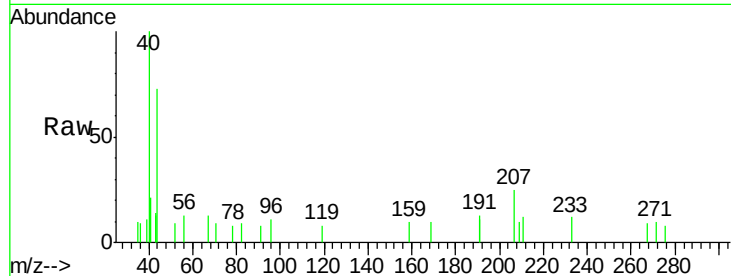




#18
Methyl Acetate
Concen: 9.185 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.04 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

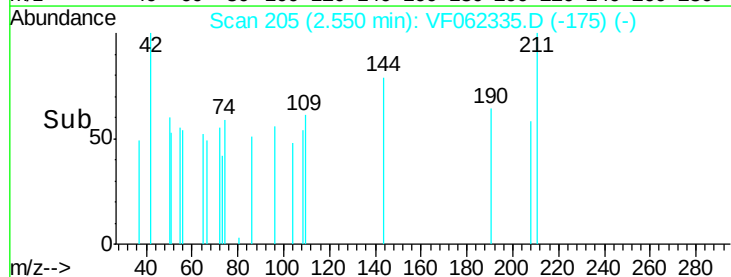
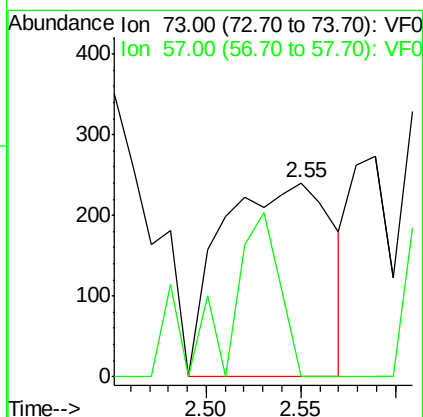
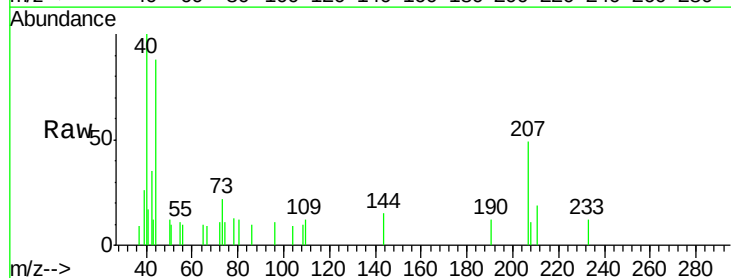
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

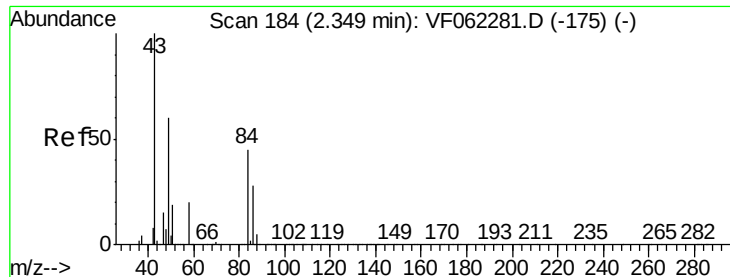
Tot Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
74 33.5 14.4 21.6#



#19
Methyl tert-butyl Ether
Concen: 6.086 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion: 73 Resp: 976
Ion Ratio Lower Upper
73 100
57 0.0 15.5 23.3#

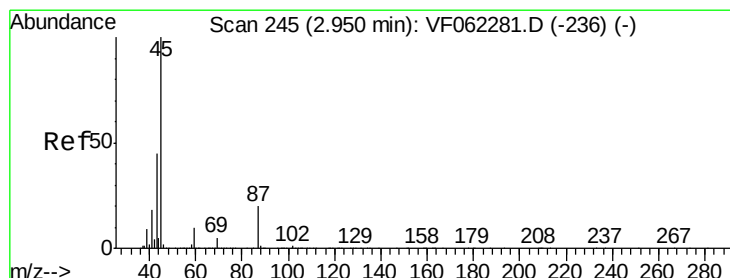
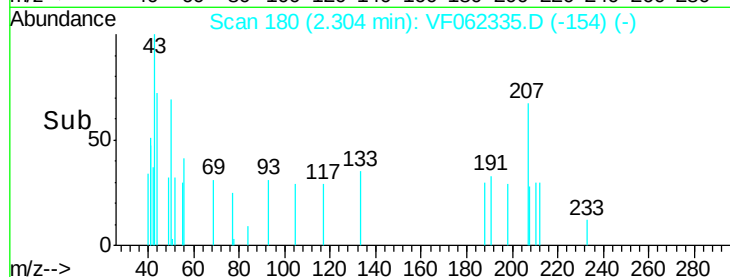
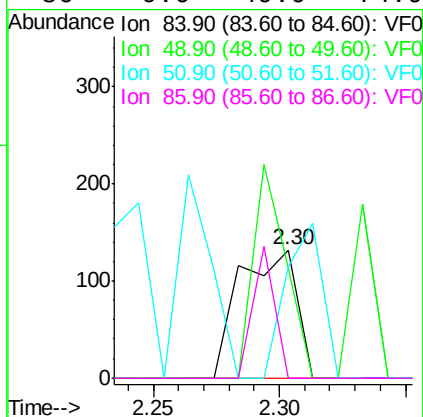
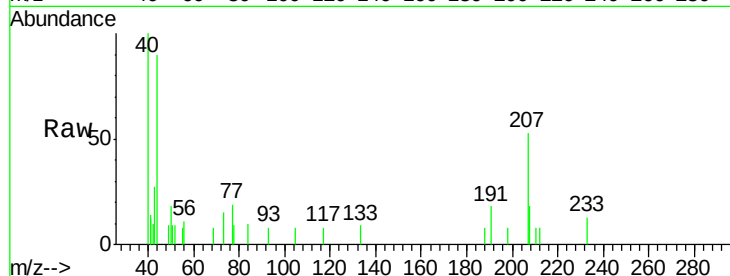




#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 180
Delta R.T. -0.05 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

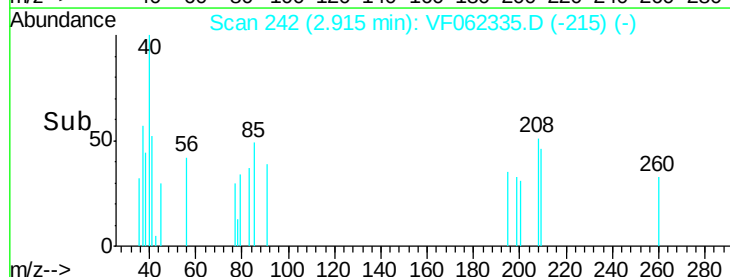
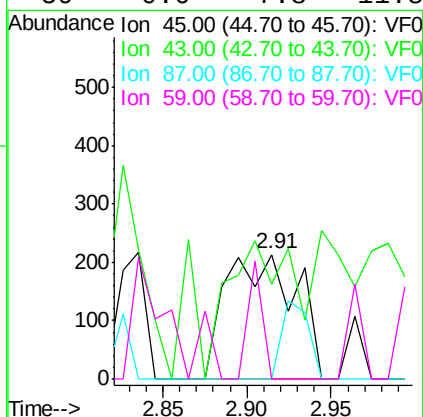
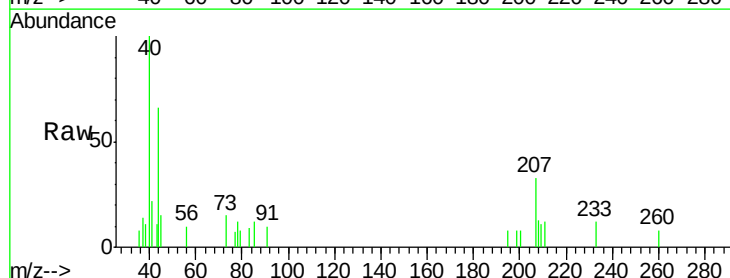
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

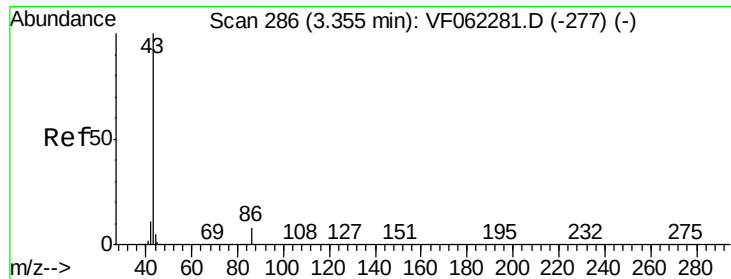
Tot Ion:	84	Resp:	209
Ion	Ratio	Lower	Upper
84	100		
49	85.6	112.1	168.1#
51	86.4	35.9	53.9#
86	0.0	49.9	74.9#



#22
Diisopropyl ether
Concen: 2.508 ug/l
RT: 2.91 min Scan# 242
Delta R.T. -0.04 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion:	45	Resp:	618
Ion	Ratio	Lower	Upper
45	100		
43	0.0	36.2	54.2#
87	0.0	15.8	23.6#
59	0.0	7.8	11.8#





#23

Vinyl Acetate

Concen: 5.161 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

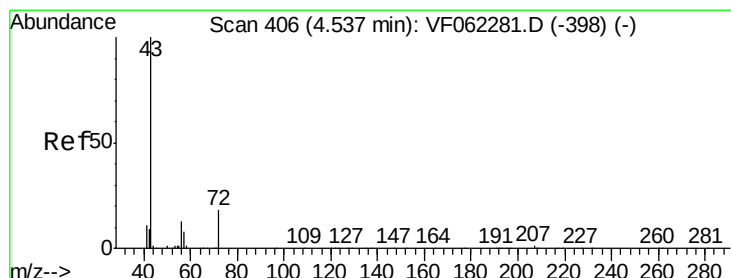
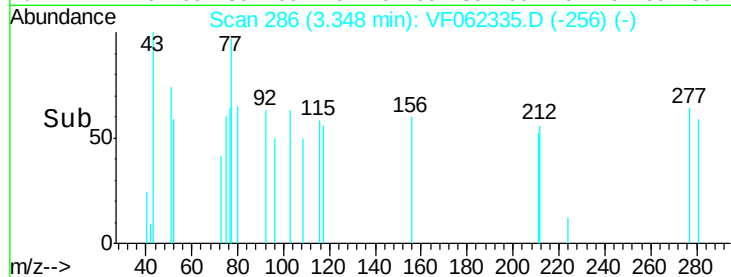
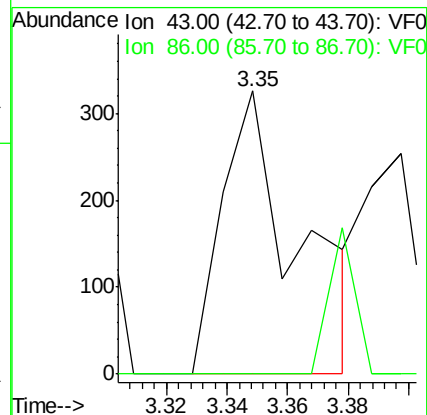
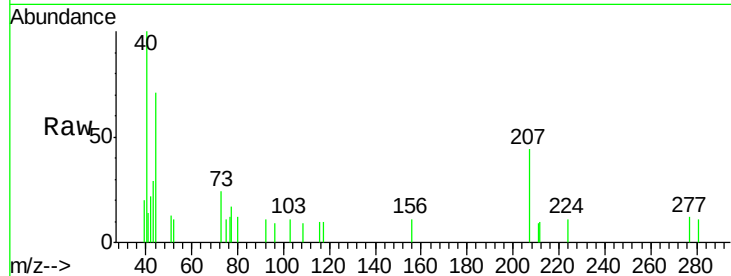
ROCK-COMPRES

Tot Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

86 0.0 6.0 9.0#



#25

2-Butanone

Concen: 23.611 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF062335.D

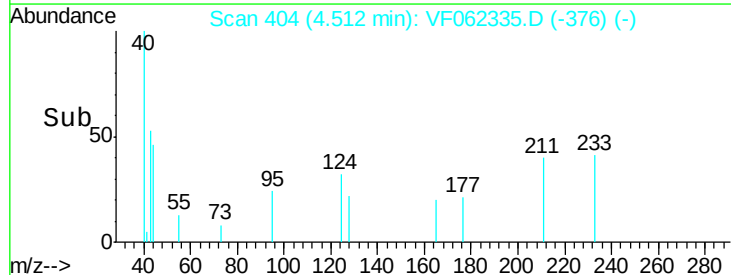
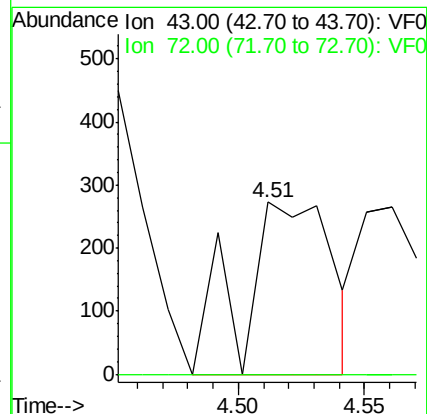
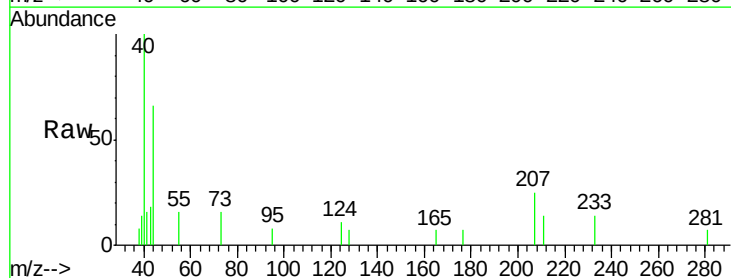
Acq: 30 Apr 2019 15:59

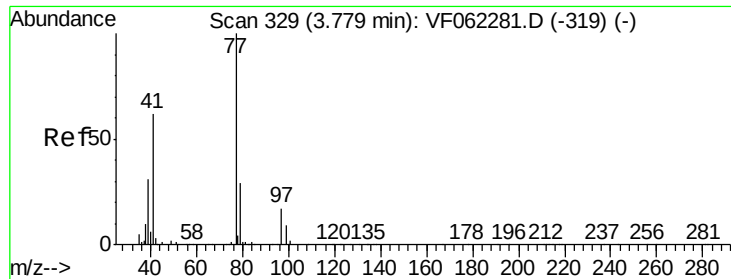
Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#





#26

2,2-Dichloropropane

Concen: 4.121 ug/l

RT: 3.71 min Scan# 323

Delta R.T. -0.07 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

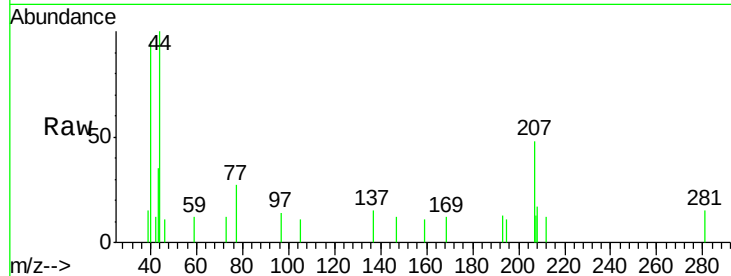
ROCK-COMPRES

Tot Ion: 77 Resp: 301

Ion Ratio Lower Upper

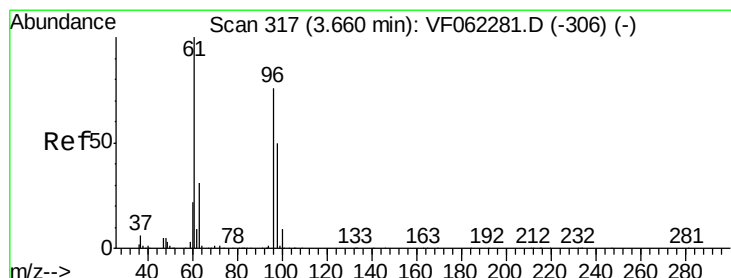
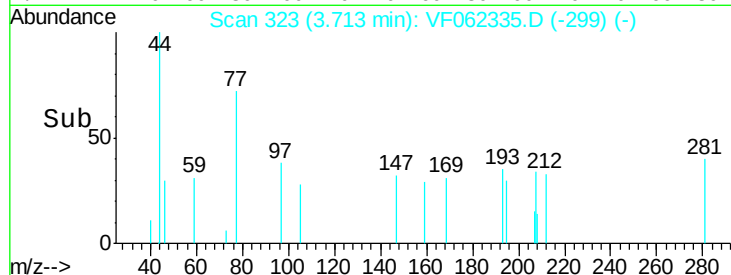
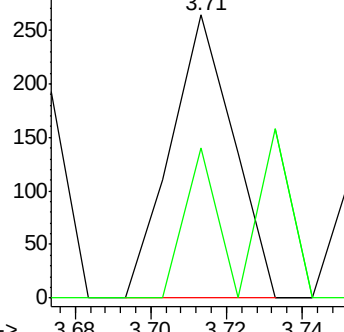
77 100

97 27.6 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



#27

cis-1,2-Dichloroethene

Concen: 2.641 ug/l

RT: 3.65 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

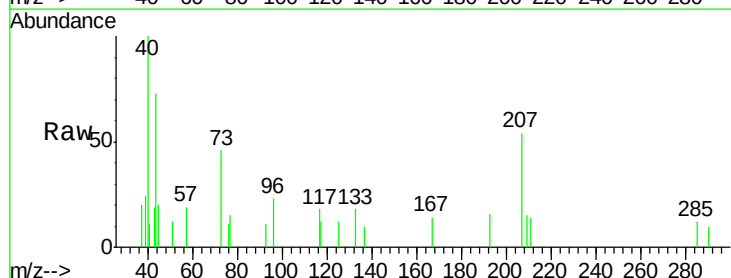
Tgt Ion: 96 Resp: 278

Ion Ratio Lower Upper

96 100

61 0.0 0.0 257.6

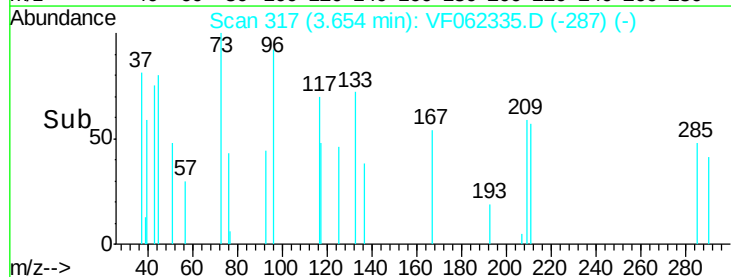
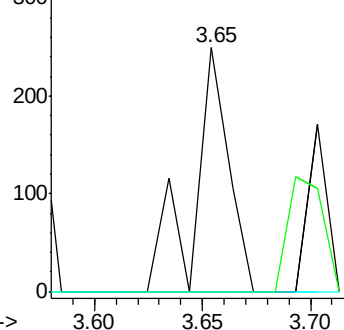
98 0.0 0.0 137.4

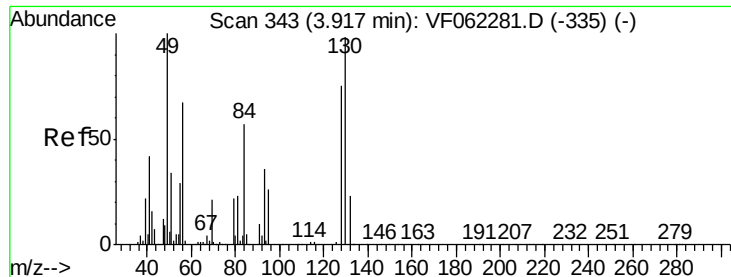


Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#28

Bromochloromethane

Concen: 2.210 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.07 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

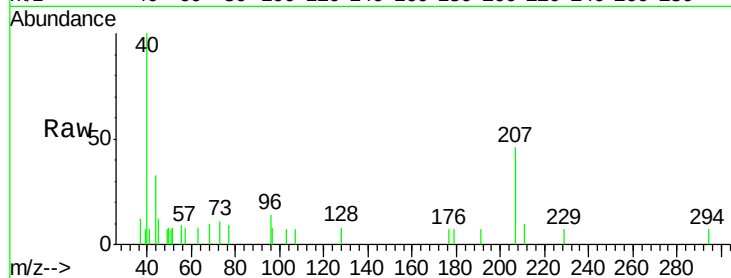
Tot Ion: 49 Resp: 131

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 47.3 77.0 115.4#



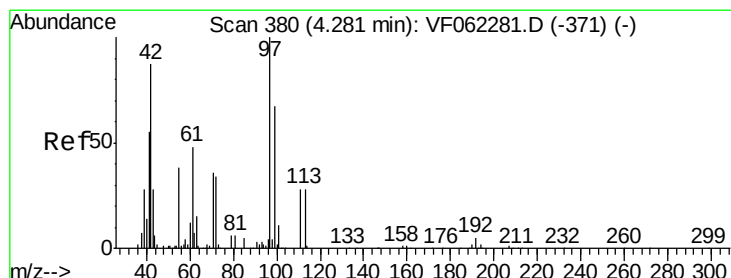
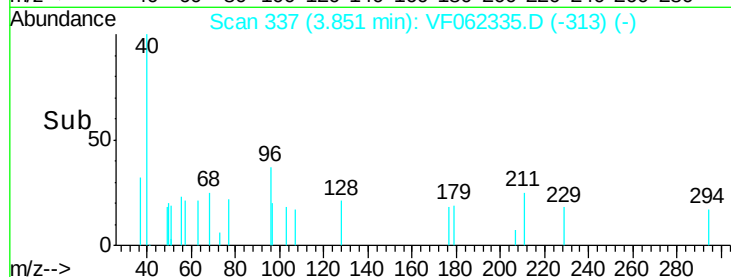
Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): VF0

Ion 129.80 (129.50 to 130.50): VF0

3.85

Time-->



#29

Tetrahydrofuran

Concen: 18.732 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

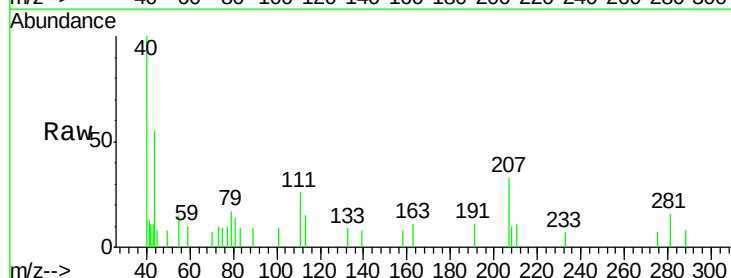
Tgt Ion: 42 Resp: 236

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 0.0 31.2 46.8#



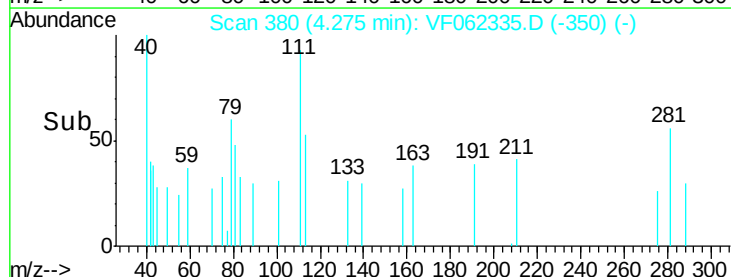
Abundance Ion 42.00 (41.70 to 42.70): VF0

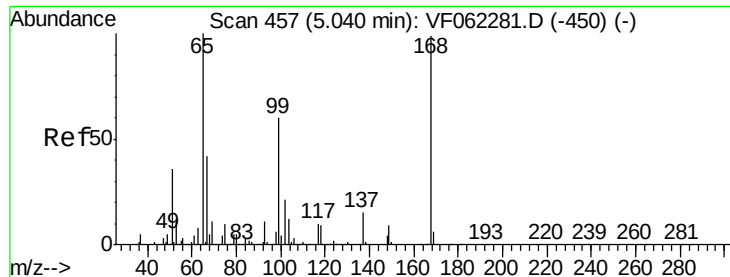
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.27

Time-->





#33

1,2-Dichloroethane-d4

Concen: 16.046 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

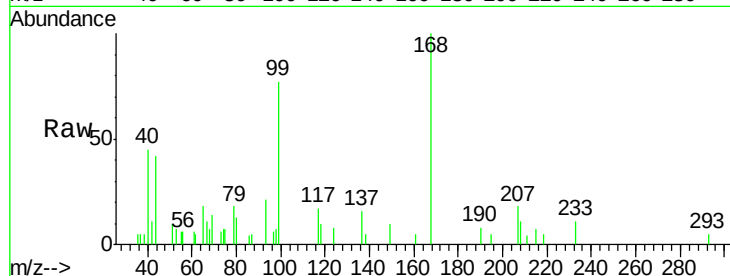
ROCK-COMPRES

Tot Ion: 65 Resp: 1296

Ion Ratio Lower Upper

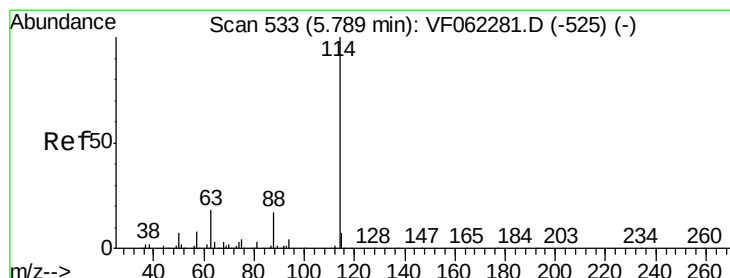
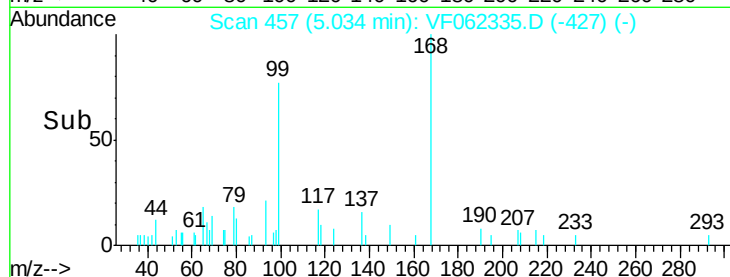
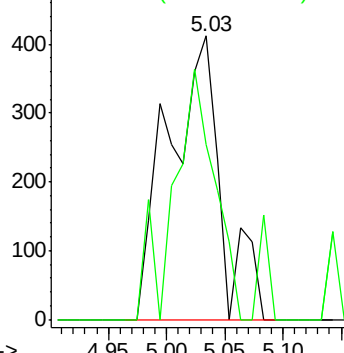
65 100

67 69.1 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

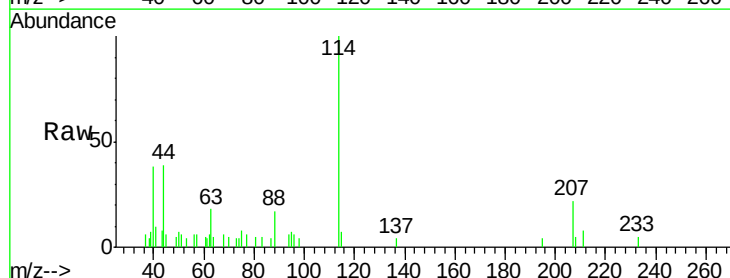
Tgt Ion: 114 Resp: 7495

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

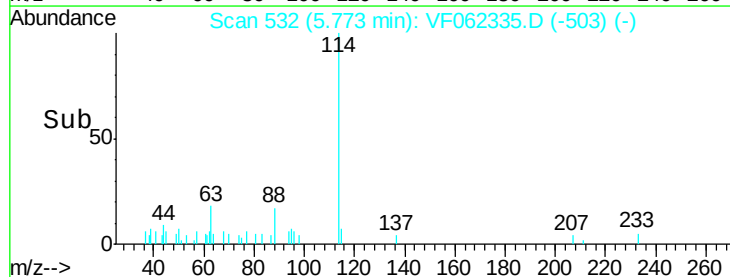
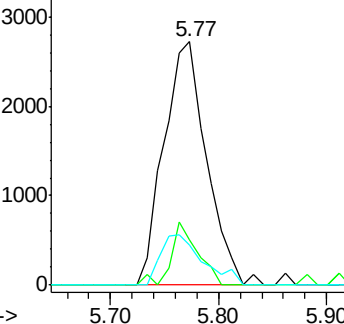
88 16.7 0.0 34.6

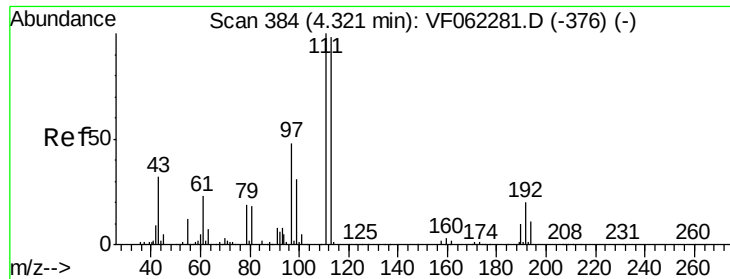


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 30.177 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.04 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

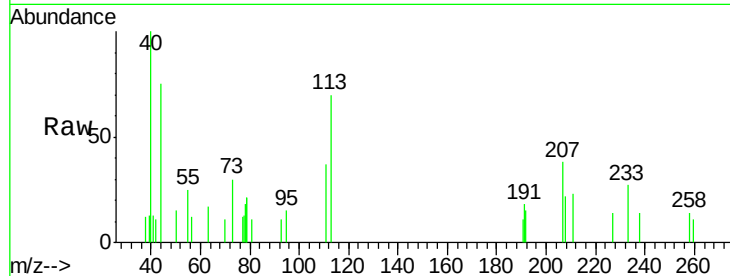
Tot Ion:113 Resp: 1677

Ion Ratio Lower Upper

113 100

111 97.3 81.4 122.2

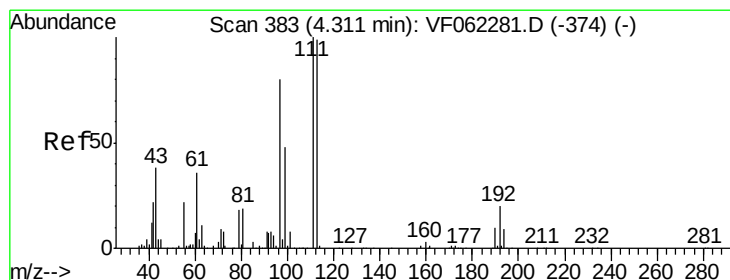
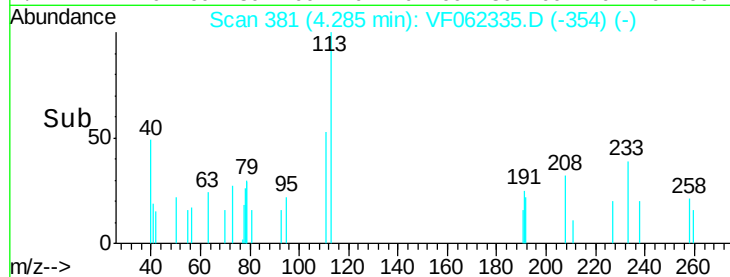
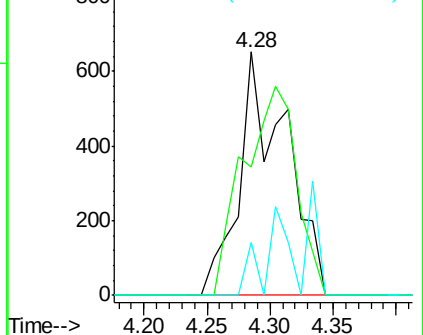
192 18.4 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 9.660 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

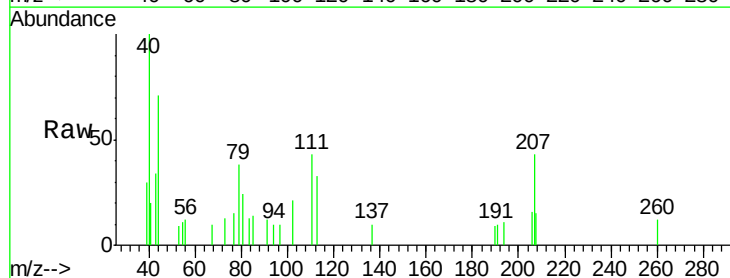
Tgt Ion: 43 Resp: 281

Ion Ratio Lower Upper

43 100

61 0.0 85.8 128.6#

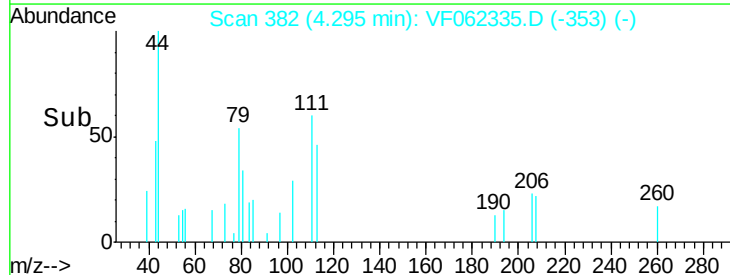
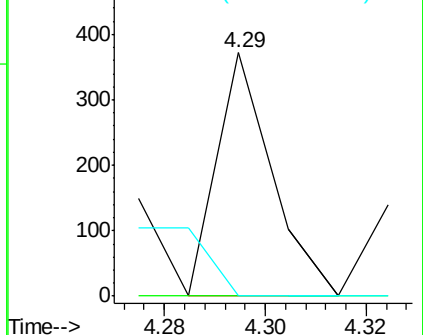
70 44.1 7.3 10.9#

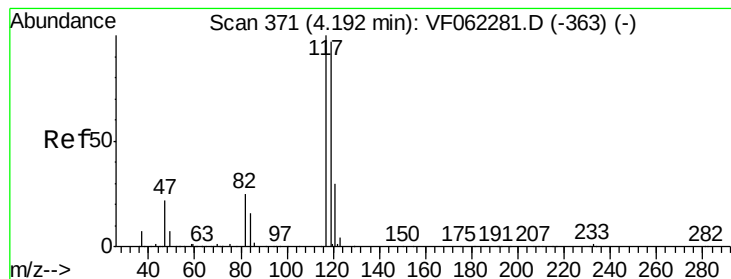


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 1.181 ug/l

RT: 4.10 min Scan# 362

Delta R.T. -0.09 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

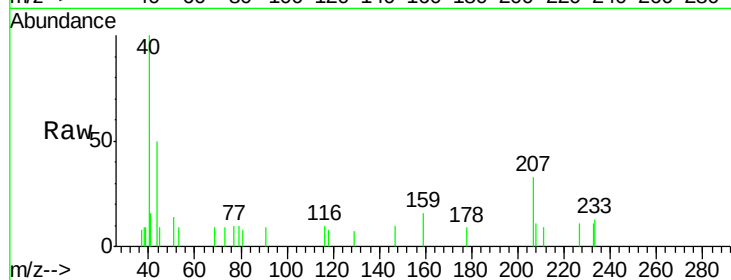
Tot Ion:117 Resp: 83

Ion Ratio Lower Upper

117 100

119 0.0 77.3 115.9#

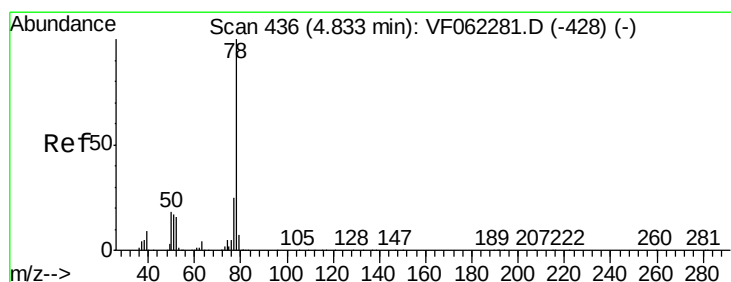
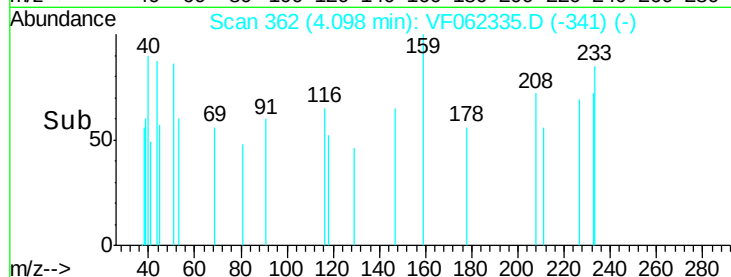
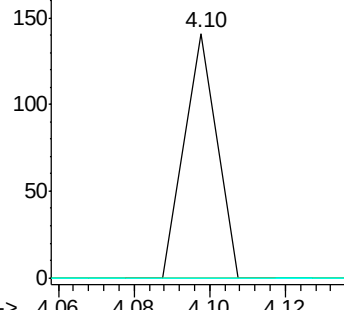
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 3.131 ug/l

RT: 4.81 min Scan# 434

Delta R.T. -0.03 min

Lab File: VF062335.D

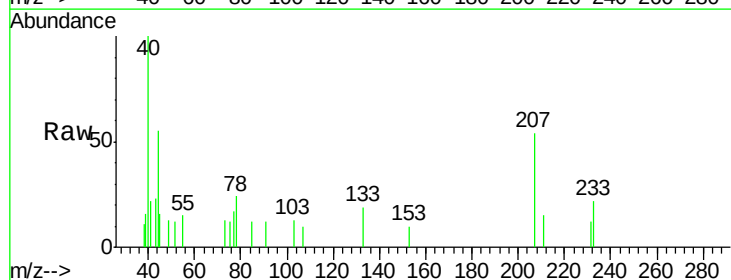
Acq: 30 Apr 2019 15:59

Tgt Ion: 78 Resp: 523

Ion Ratio Lower Upper

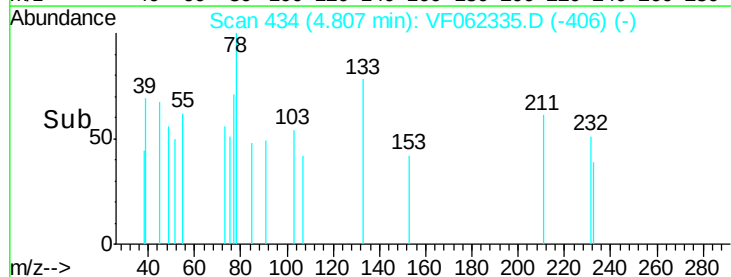
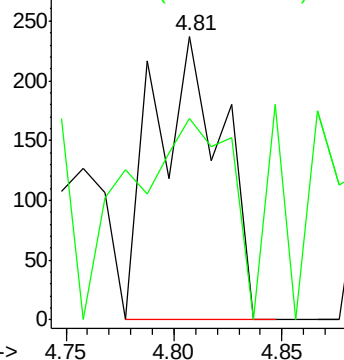
78 100

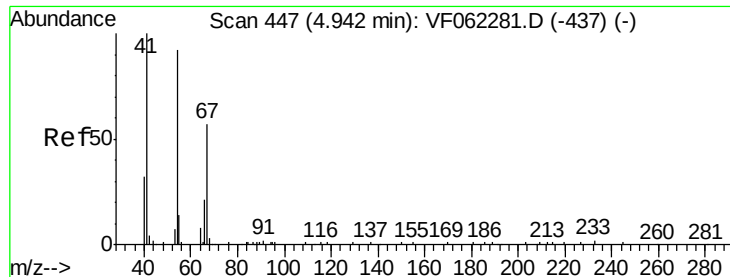
77 17.7 19.7 29.5#



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

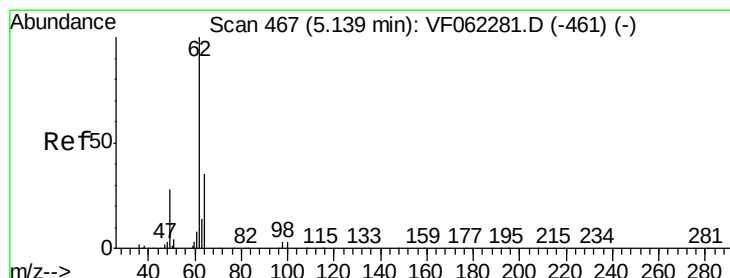
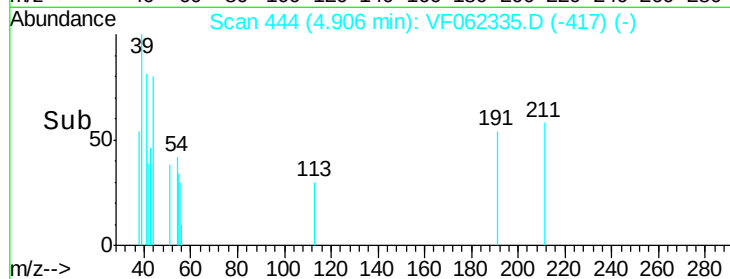
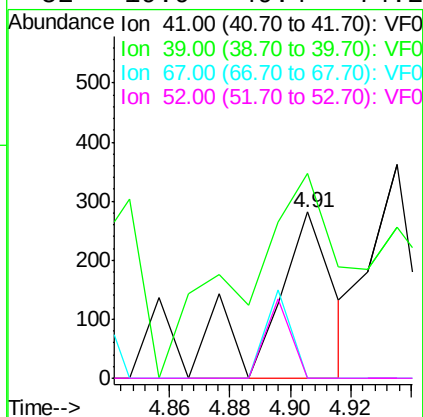
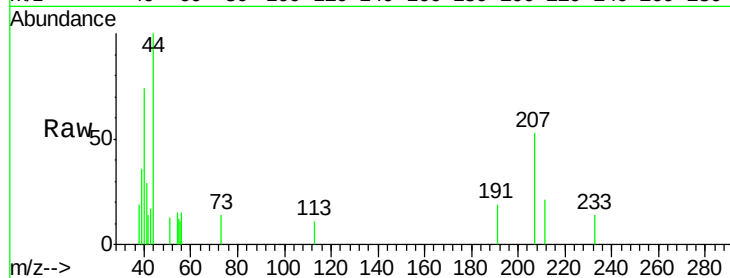




#41
Methacrylonitrile
Concen: 24.937 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

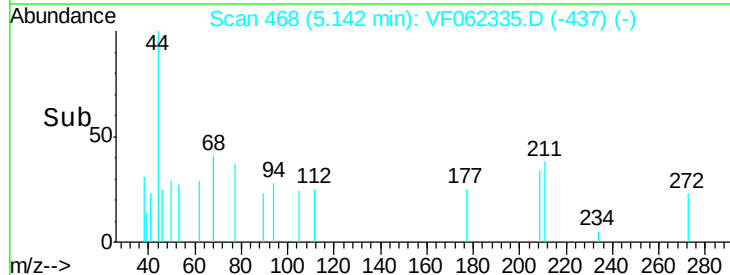
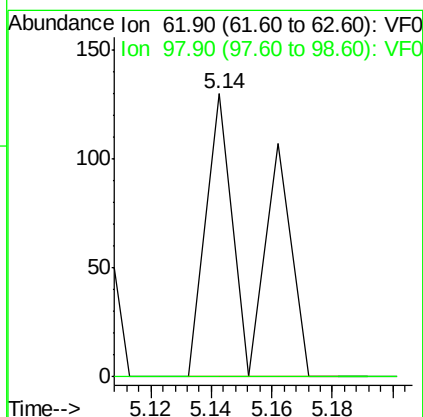
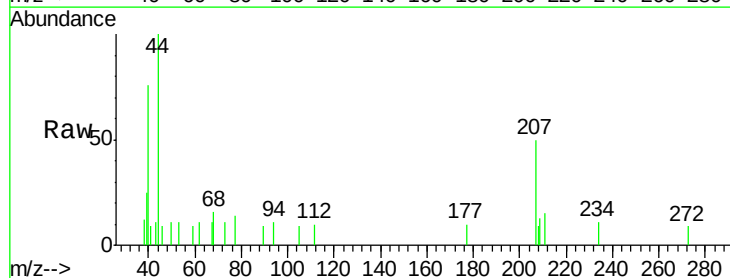
Instrument :
MSVOA_F
ClientSampled :
ROCK-COMPRES

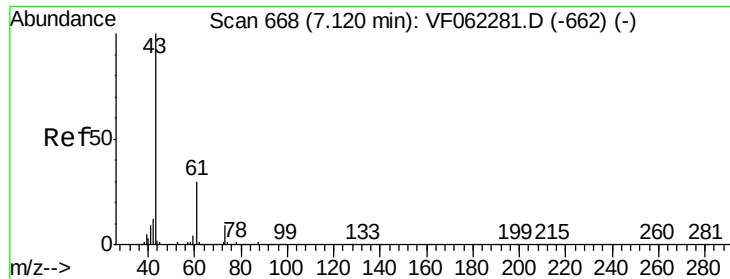
Tot Ion: 41 Resp: 403
Ion Ratio Lower Upper
41 100
39 125.6 47.3 70.9#
67 22.1 41.3 61.9#
52 19.9 49.4 74.2#



#42
1,2-Dichloroethane
Concen: 2.645 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.00 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion: 62 Resp: 140
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.8





#43

Isopropyl Acetate

Concen: 11.714 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.04 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

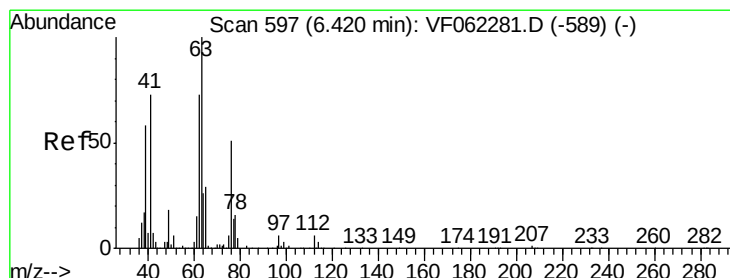
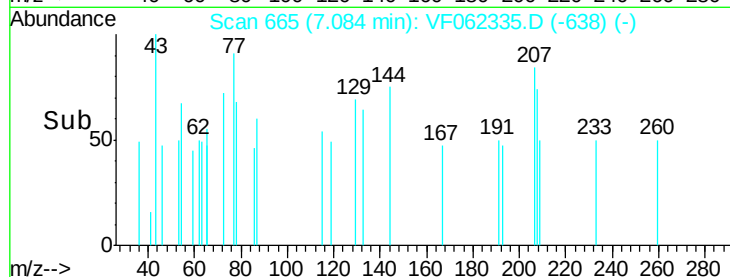
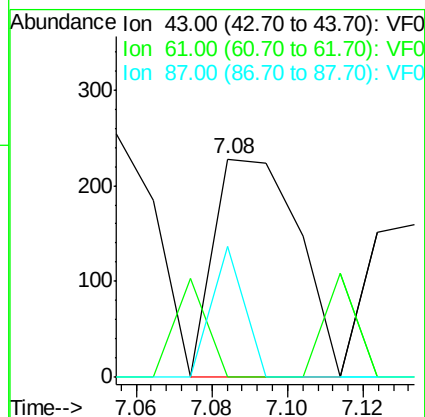
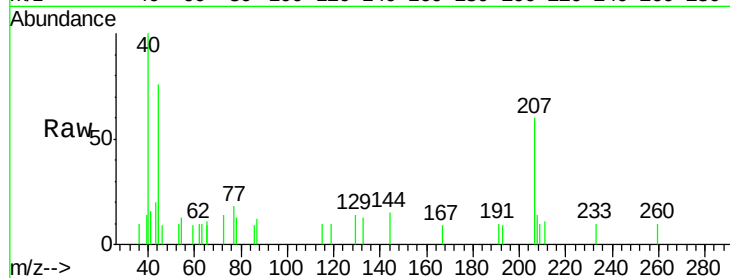
Tot Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

61 17.2 23.8 35.6#

87 22.6 0.5 0.7#



#45

1,2-Dichloropropane

Concen: 3.478 ug/l

RT: 6.63 min Scan# 619

Delta R.T. 0.21 min

Lab File: VF062335.D

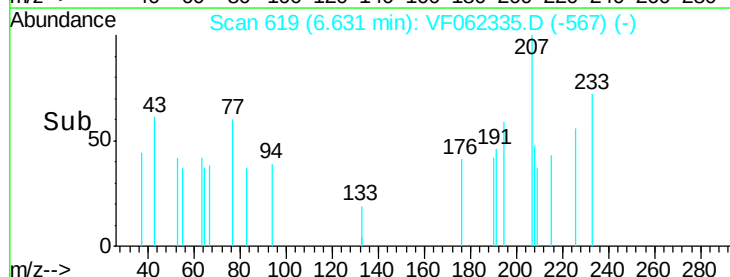
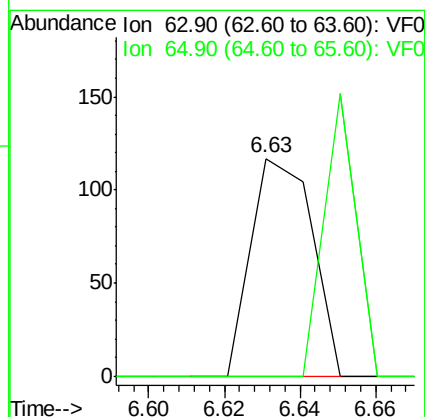
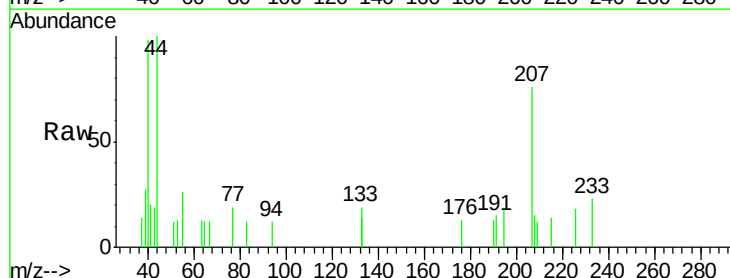
Acq: 30 Apr 2019 15:59

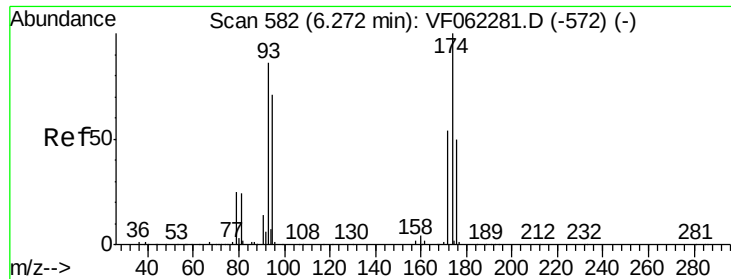
Tgt Ion: 63 Resp: 131

Ion Ratio Lower Upper

63 100

65 0.0 23.5 35.3#





#46

Dibromomethane

Concen: 2.353 ug/l

RT: 6.34 min Scan# 589

Delta R.T. 0.06 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

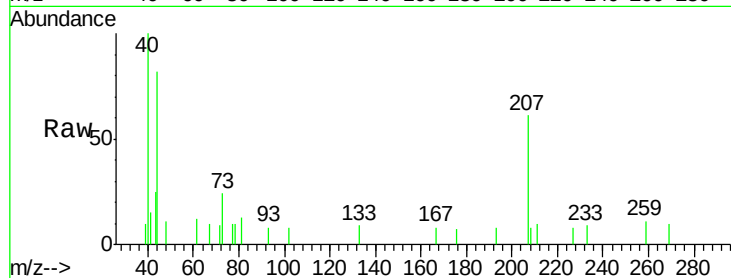
Tot Ion: 93 Resp: 64

Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.4#

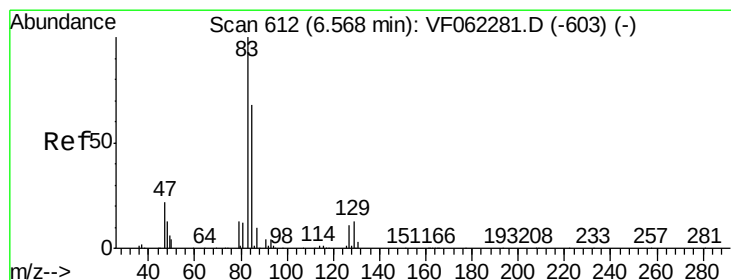
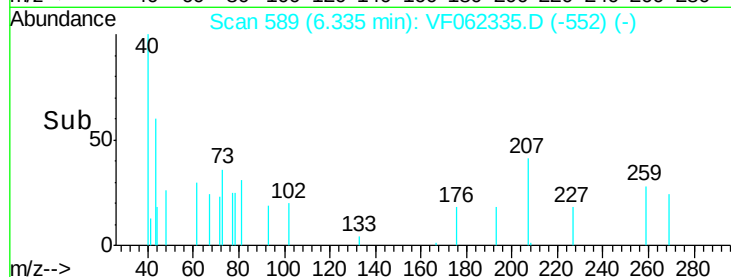
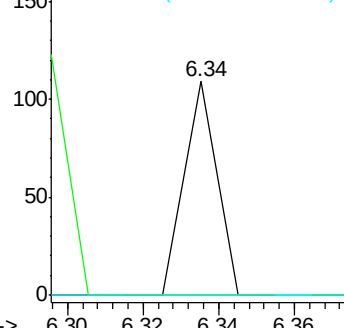
174 0.0 94.9 142.3#



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 1.032 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

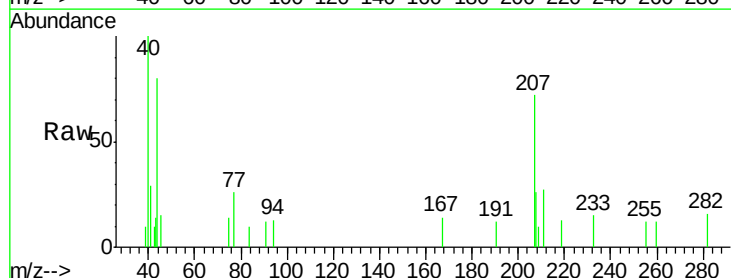
Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

85 0.0 54.6 81.8#

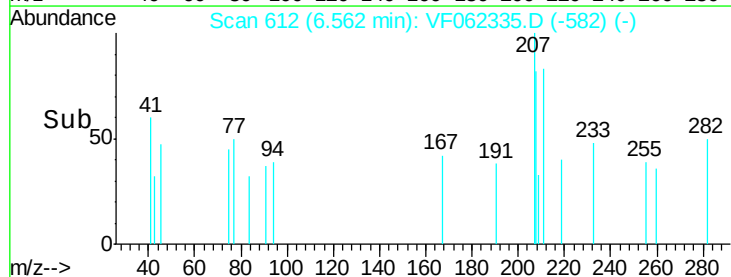
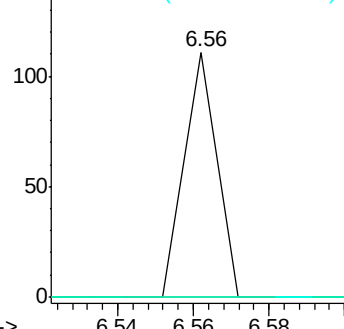
127 0.0 8.7 13.1#

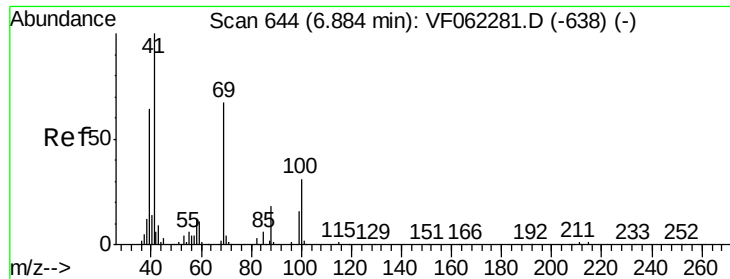


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

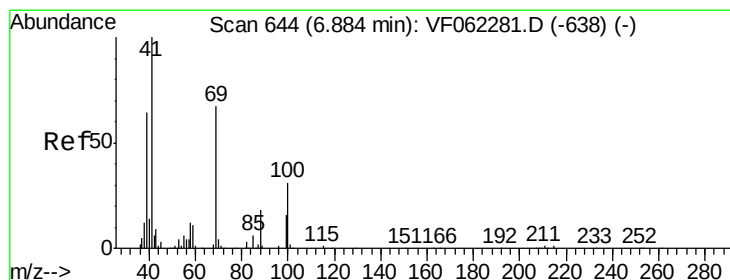
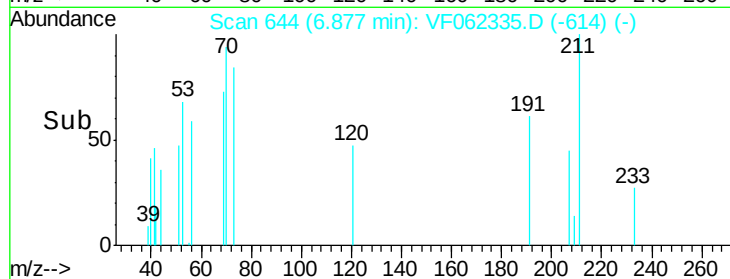
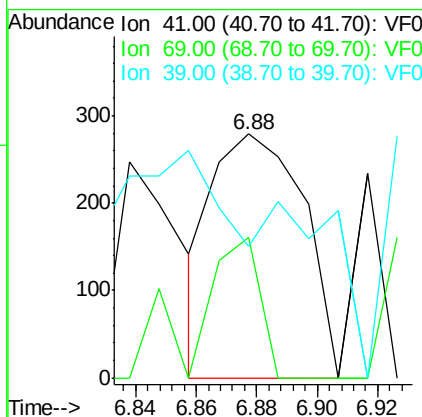
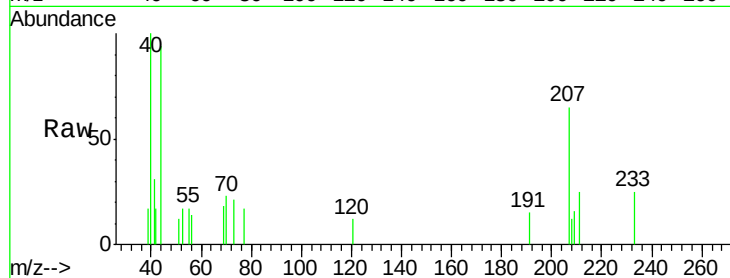




#48
Methvl methacrylate
Concen: 27.120 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

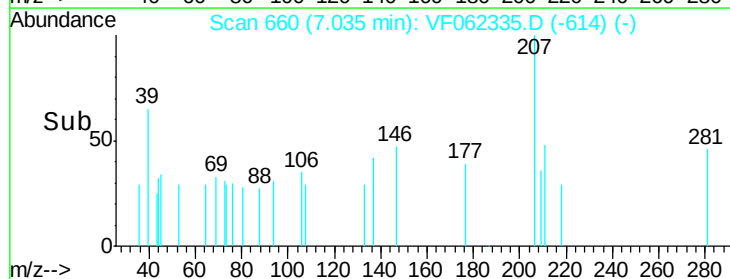
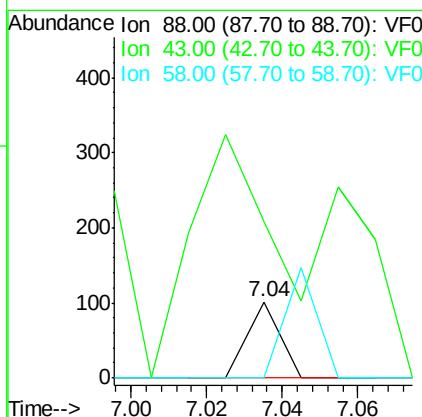
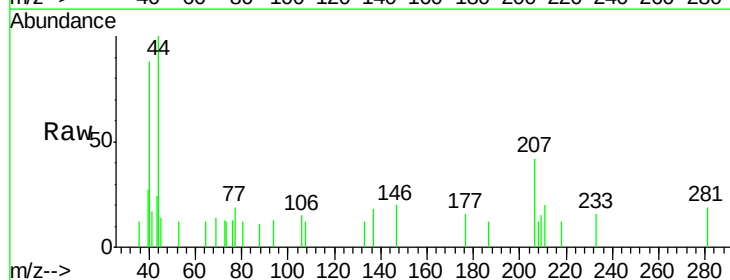
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

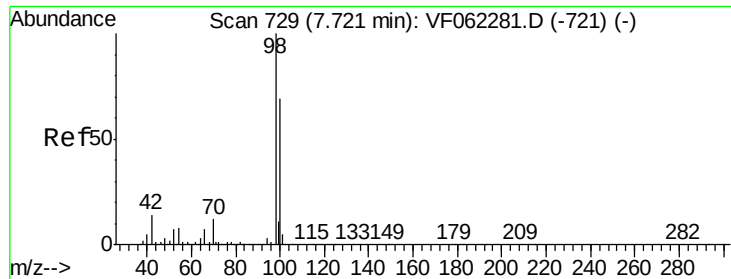
Tot Ion: 41 Resp: 578
Ion Ratio Lower Upper
41 100
69 40.7 53.4 80.2#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 244.483 ug/l
RT: 7.04 min Scan# 660
Delta R.T. 0.15 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 816.7 34.2 51.4#
58 145.0 50.7 76.1#





#50

Toluene-d8

Concen: 43.333 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

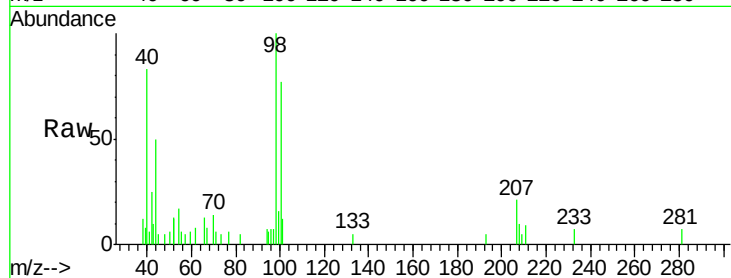
ROCK-COMPRES

Tot Ion: 98 Resp: 5882

Ion Ratio Lower Upper

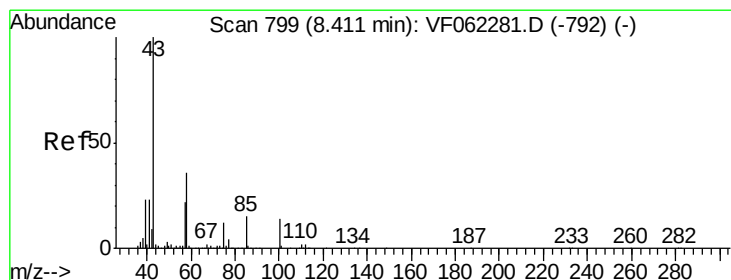
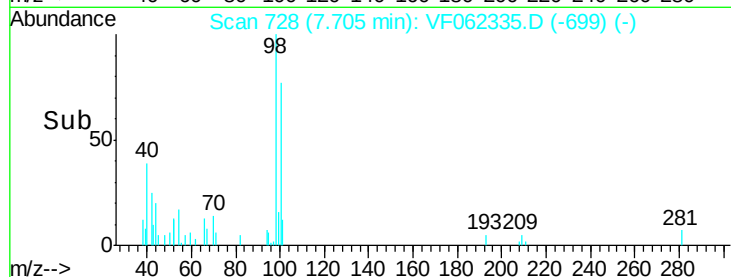
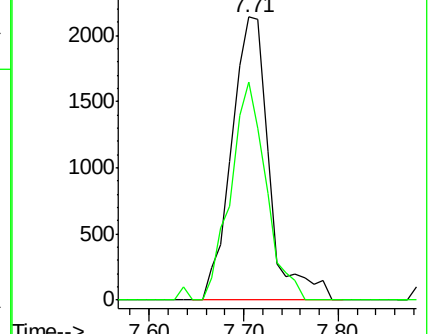
98 100

100 72.6 54.4 81.6



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: 9.991 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062335.D

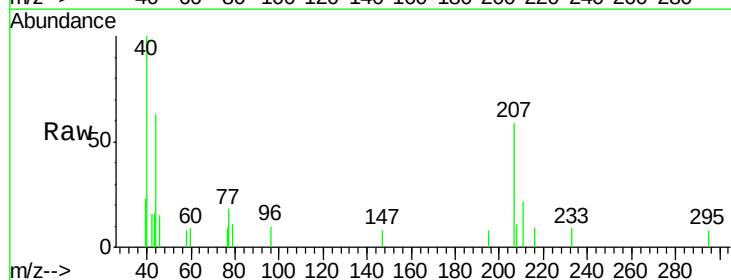
Acq: 30 Apr 2019 15:59

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

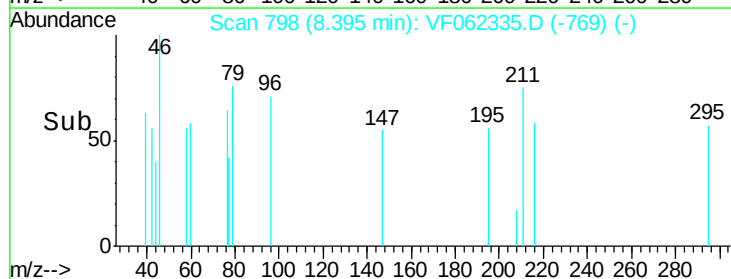
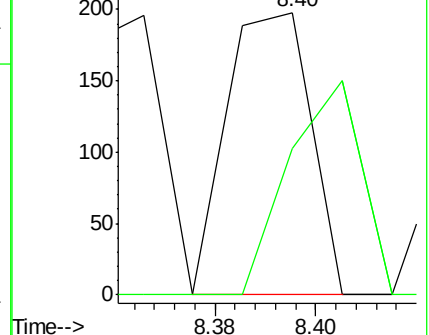
43 100

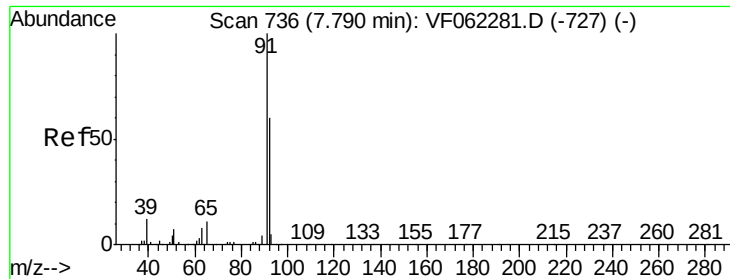
58 65.5 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 6.898 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

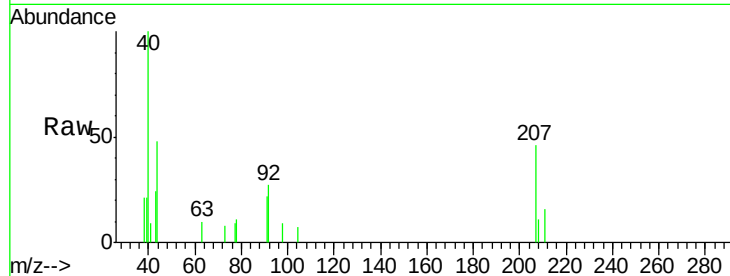
ROCK-COMPRES

Tot Ion: 92 Resp: 665

Ion Ratio Lower Upper

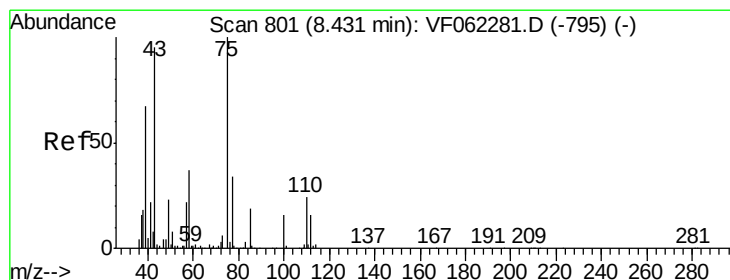
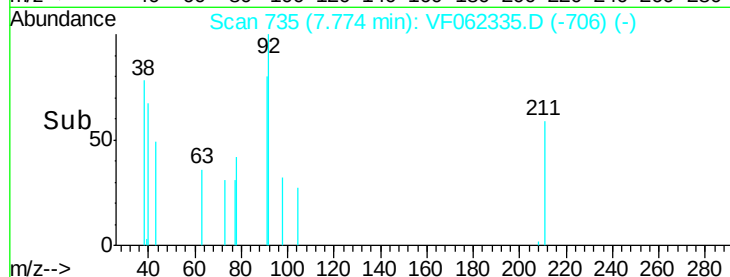
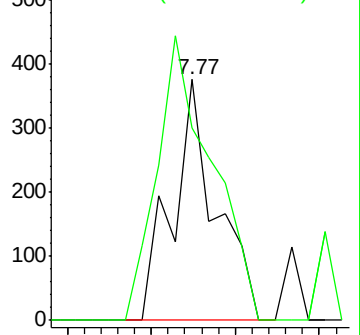
92 100

91 149.3 132.5 198.7



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: 3.360 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF062335.D

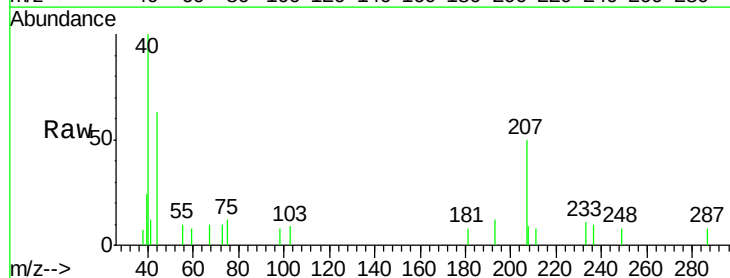
Acq: 30 Apr 2019 15:59

Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

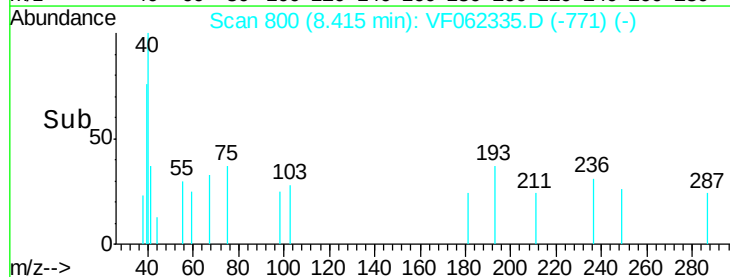
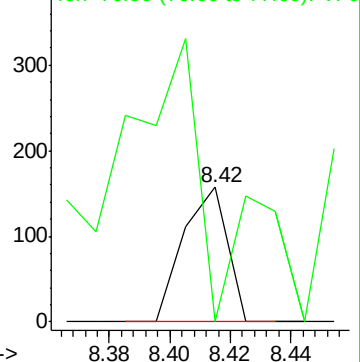
75 100

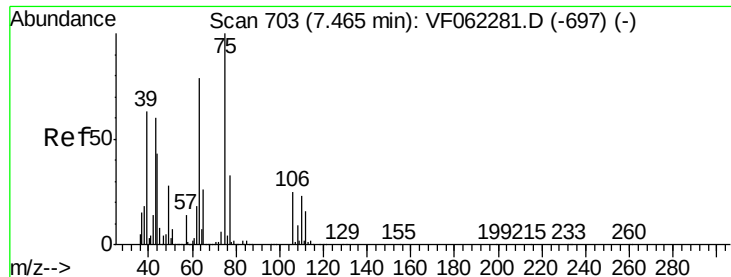
77 0.0 26.9 40.3#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0





#54

cis-1,3-Dichloropropene

Concen: 2.341 ug/l

RT: 7.48 min Scan# 705

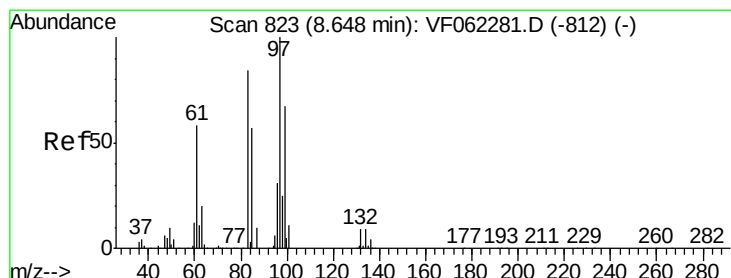
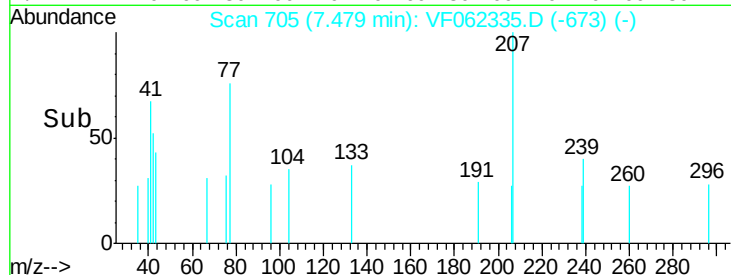
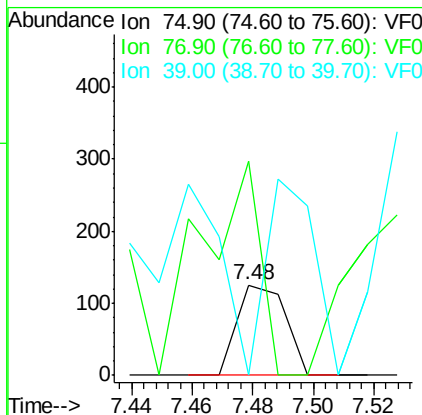
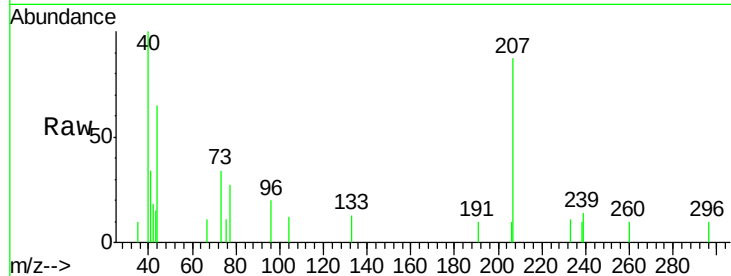
Delta R.T. 0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

Tot Ion:	75	Resp:	141
Ion	Ratio	Lower	Upper
75	100		
77	137.6	26.5	39.7#
39	0.0	50.2	75.2#



#55

1,1,2-Trichloroethane

Concen: 3.543 ug/l

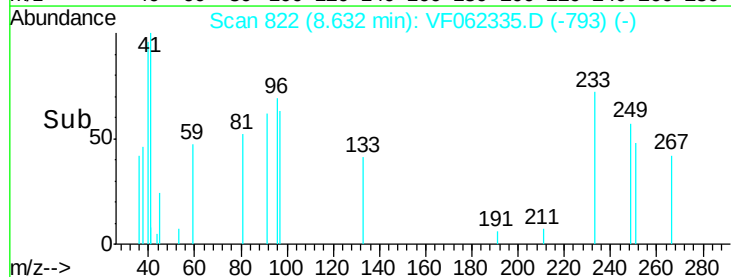
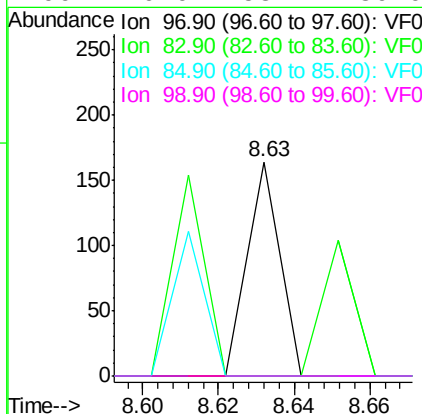
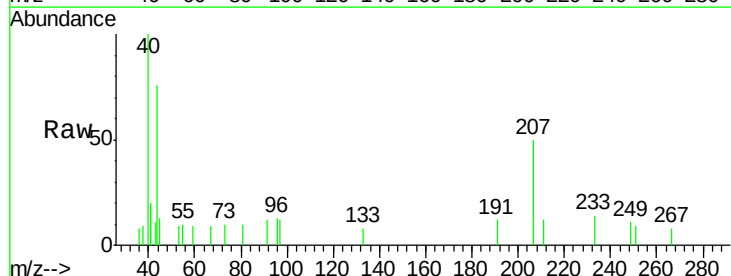
RT: 8.63 min Scan# 822

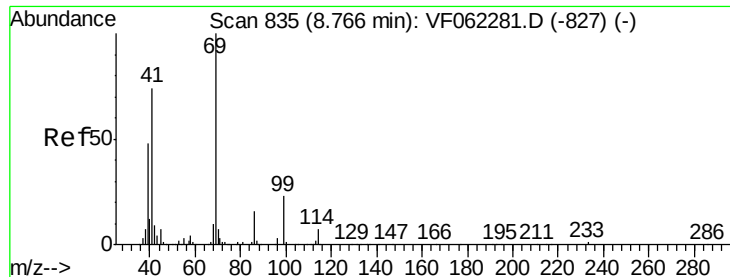
Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Tgt Ion:	97	Resp:	97
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.5	101.3#
85	0.0	45.3	67.9#
99	0.0	53.4	80.0#





#56

Ethyl methacrylate

Concen: 6.250 ug/l

RT: 8.73 min Scan# 832

Delta R.T. -0.04 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

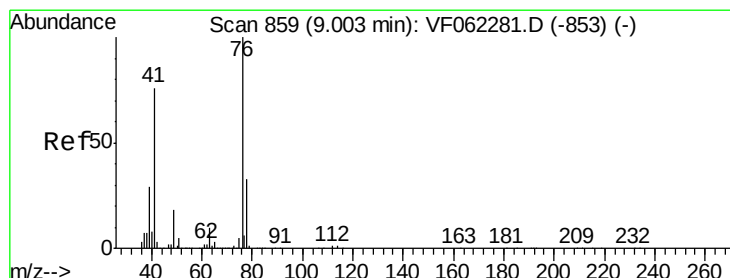
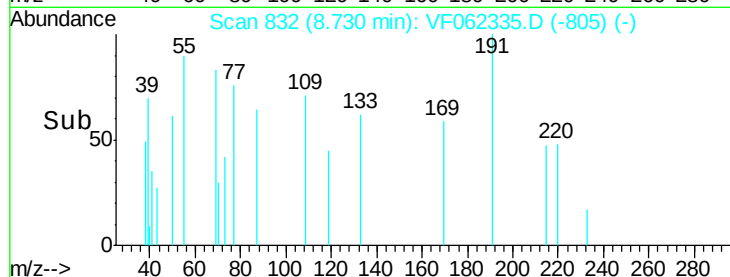
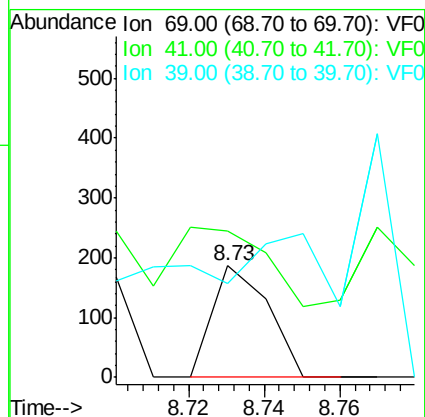
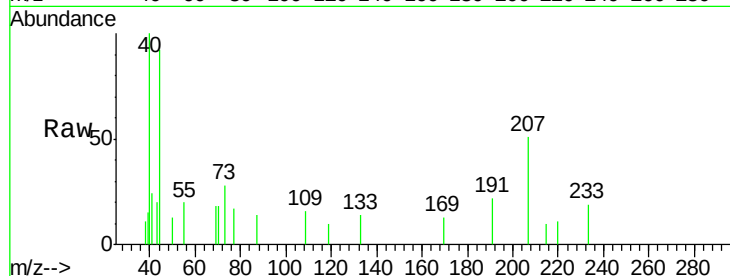
Tot Ion: 69 Resp: 188

Ion Ratio Lower Upper

69 100

41 417.6 61.5 92.3#

39 0.0 37.9 56.9#



#57

1,3-Dichloropropane

Concen: 1.371 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062335.D

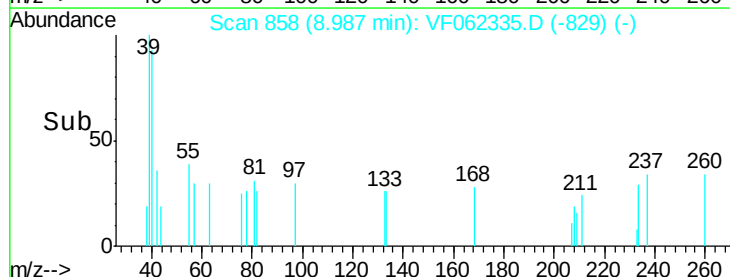
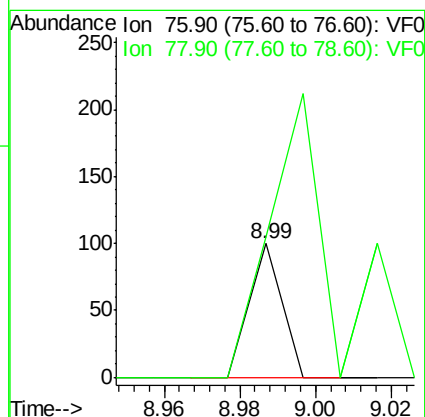
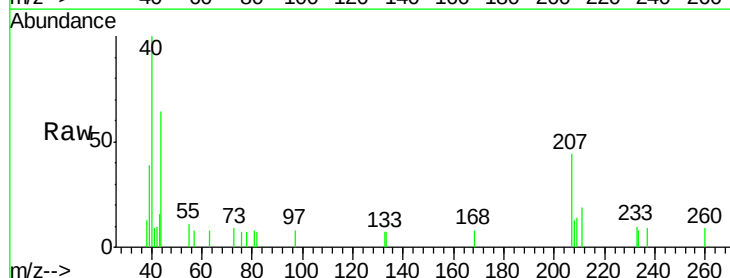
Acq: 30 Apr 2019 15:59

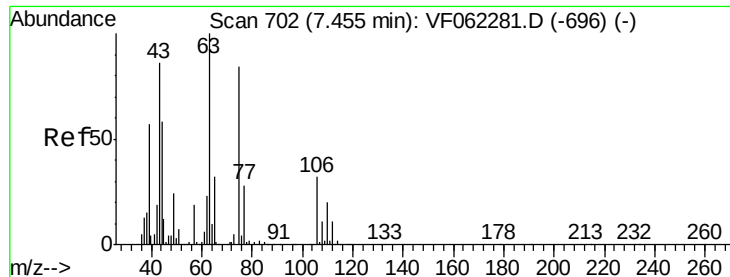
Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

76 100

78 418.6 27.0 40.6#

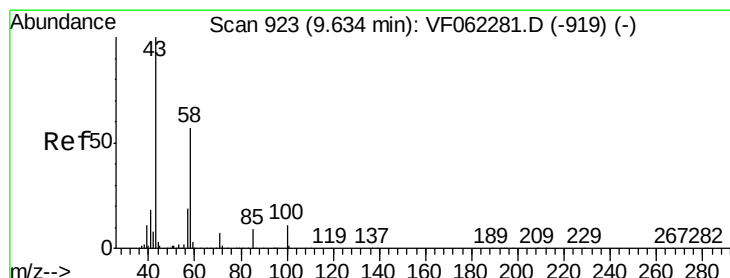
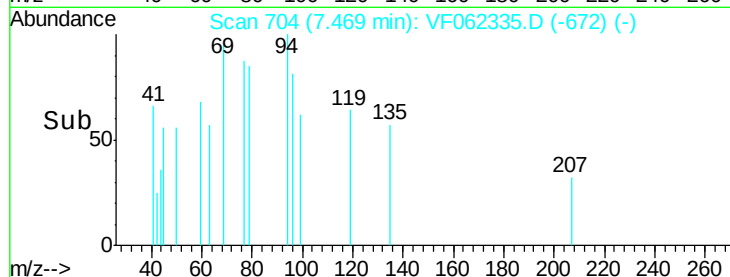
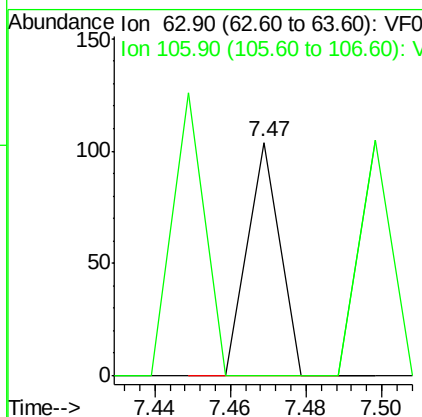
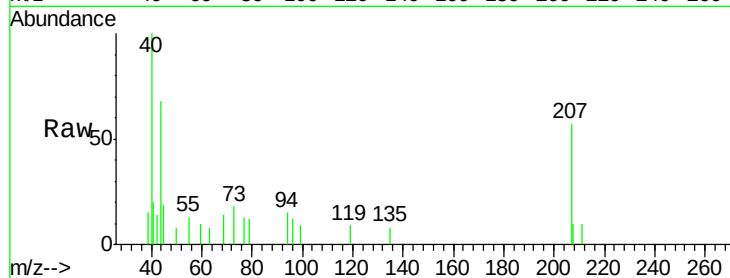




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.774 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

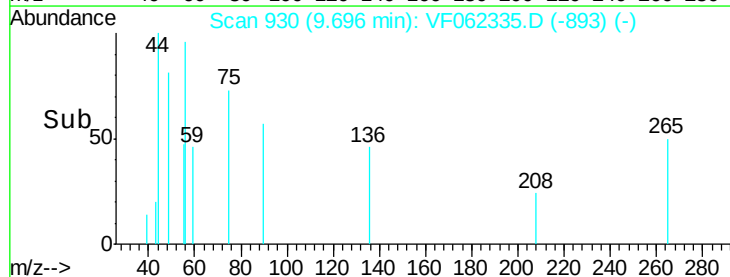
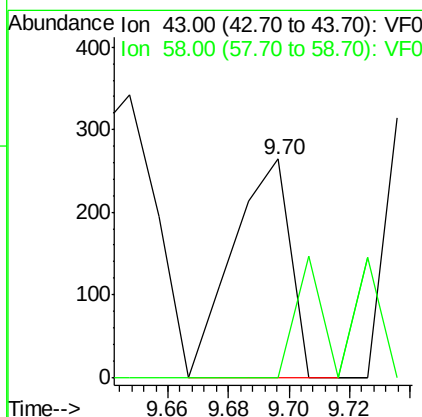
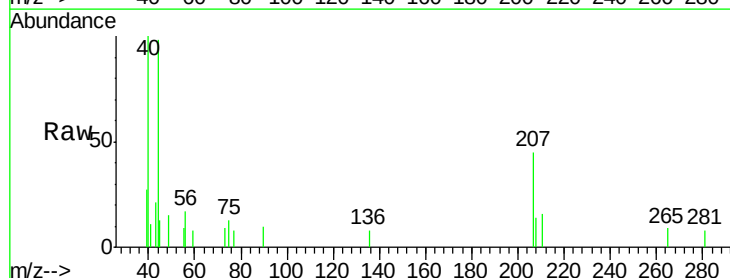
Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

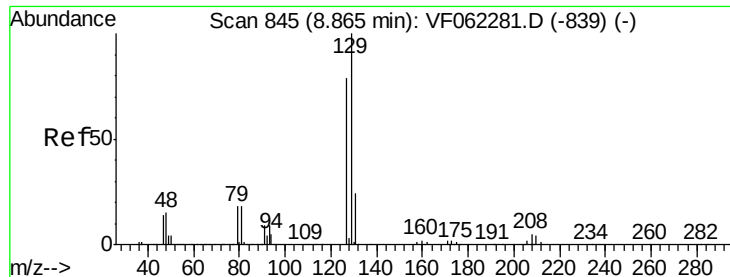
Tot Ion: 63 Resp: 62
 Ion Ratio Lower Upper
 63 100
 106 121.0 24.7 37.1#



#59
 2-Hexanone
 Concen: 11.324 ug/l
 RT: 9.70 min Scan# 930
 Delta R.T. 0.06 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion: 43 Resp: 348
 Ion Ratio Lower Upper
 43 100
 58 49.7 24.9 74.7





#60

Dibromochloromethane

Concen: 1.620 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.16 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

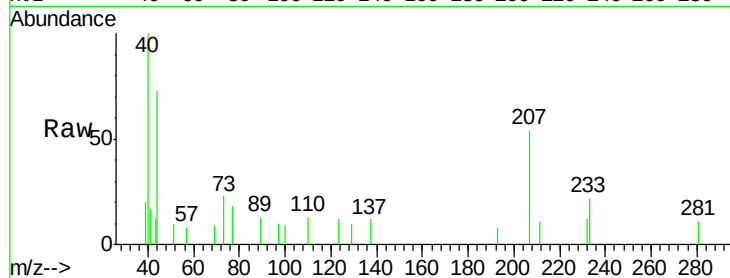
ROCK-COMPRES

Tot Ion:129 Resp: 72

Ion Ratio Lower Upper

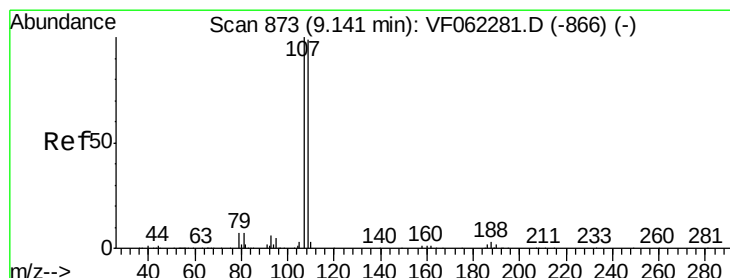
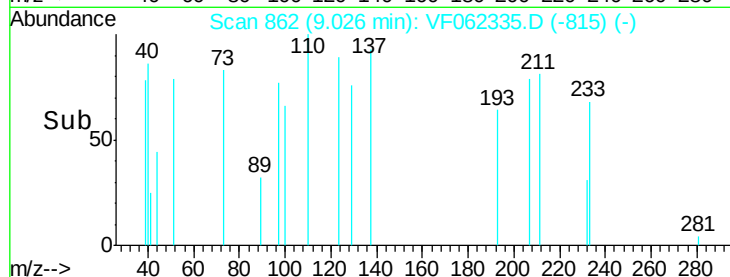
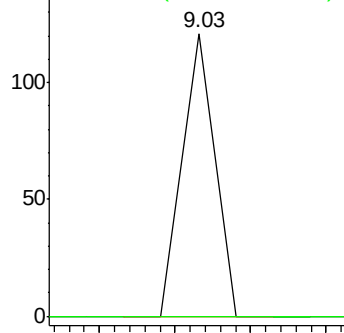
129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 4.828 ug/l

RT: 9.08 min Scan# 867

Delta R.T. -0.07 min

Lab File: VF062335.D

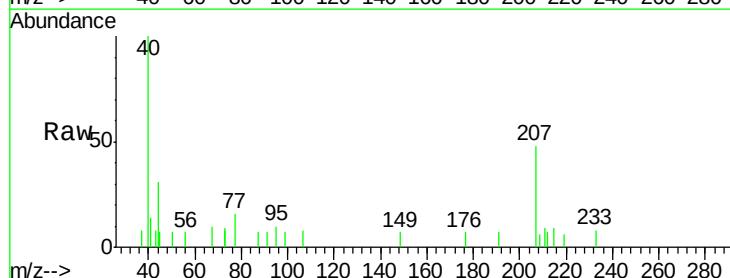
Acq: 30 Apr 2019 15:59

Tgt Ion:107 Resp: 153

Ion Ratio Lower Upper

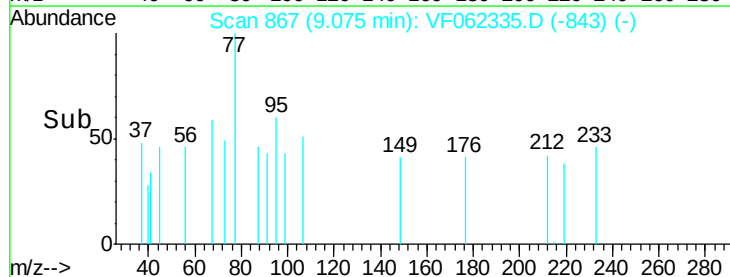
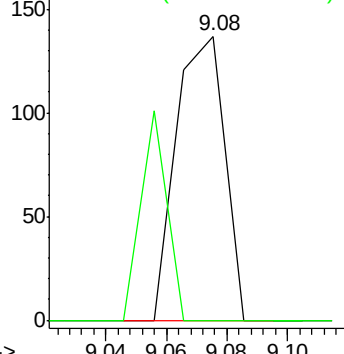
107 100

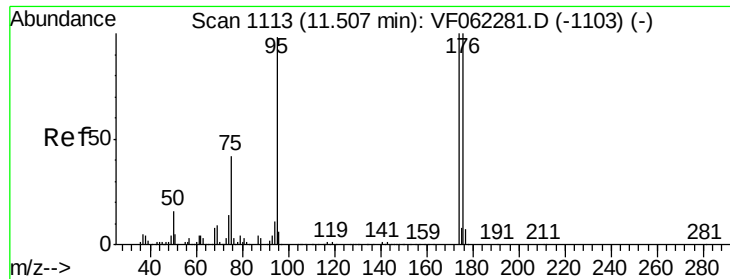
109 39.2 78.7 118.1#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 20.232 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

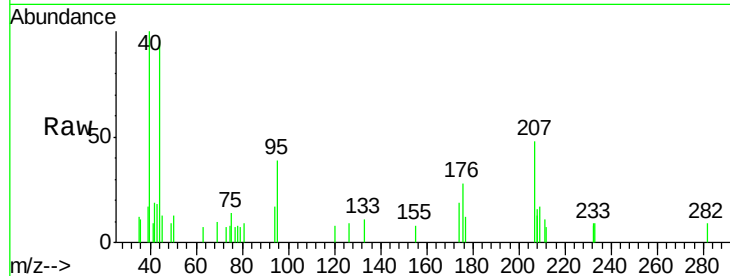
Tot Ion: 95 Resp: 1132

Ion Ratio Lower Upper

95 100

174 84.7 0.0 185.2

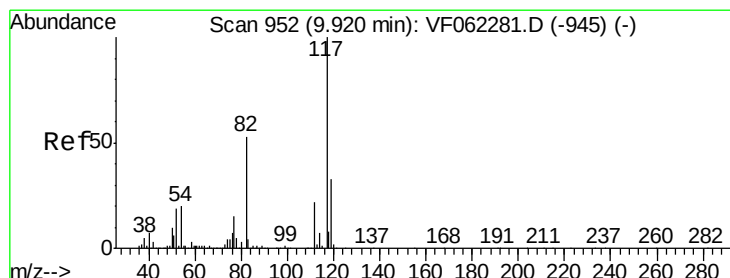
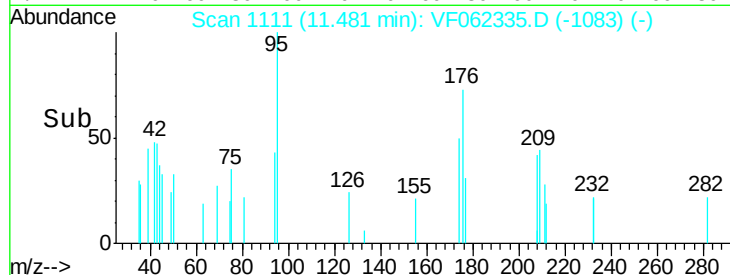
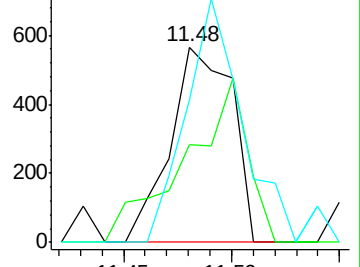
176 117.2 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

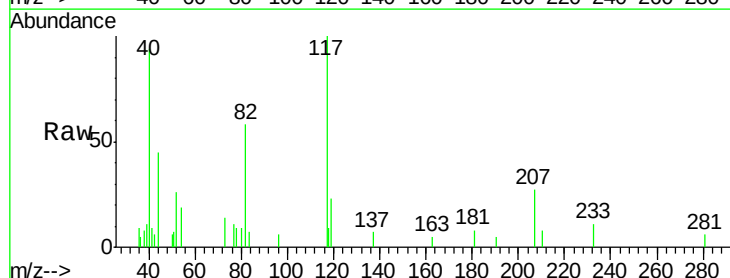
Tgt Ion: 117 Resp: 4597

Ion Ratio Lower Upper

117 100

82 58.0 42.6 64.0

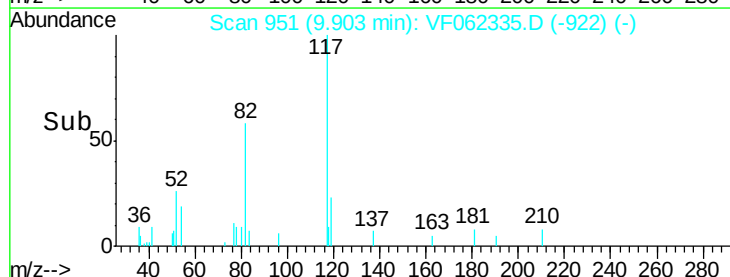
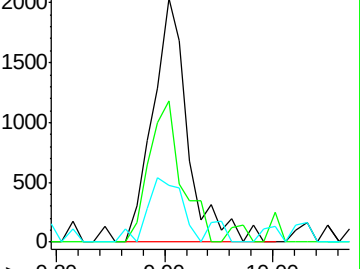
119 17.7 26.1 39.1#

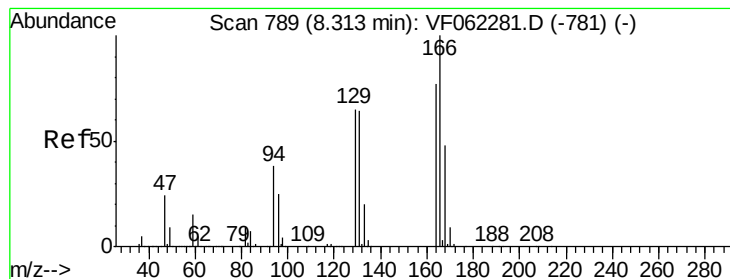


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.003 ug/l

RT: 8.32 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

Tot Ion:164 Resp: 77

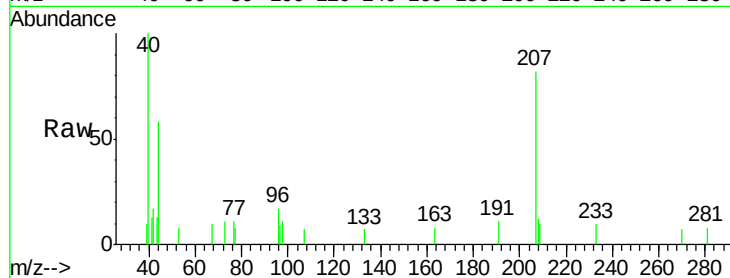
Ion Ratio Lower Upper

164 100

166 0.0 103.5 155.3#

129 0.0 67.6 101.4#

131 0.0 66.1 99.1#

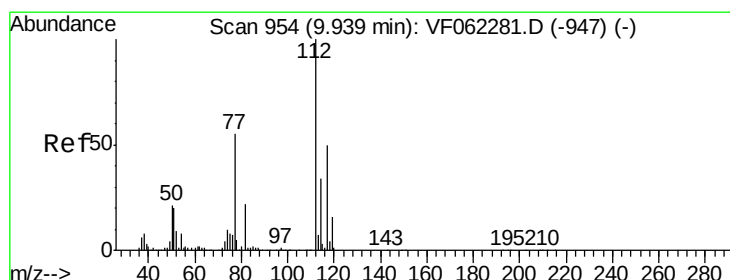
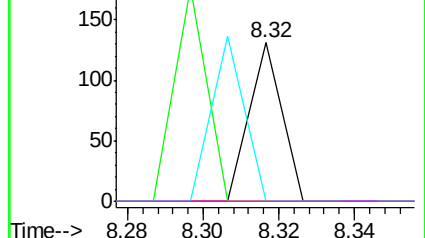
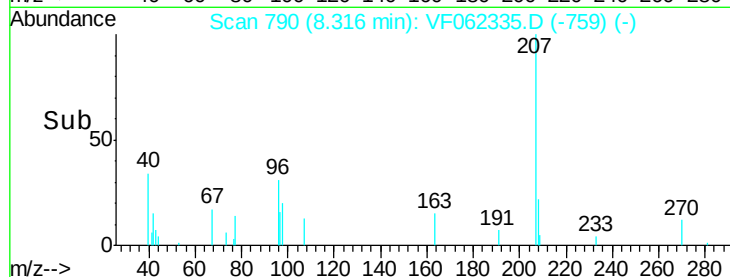


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 6.797 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF062335.D

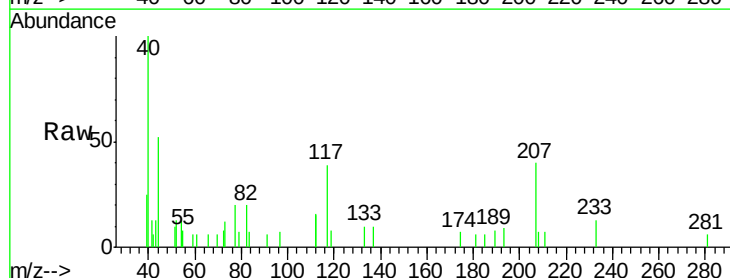
Acq: 30 Apr 2019 15:59

Tgt Ion:112 Resp: 571

Ion Ratio Lower Upper

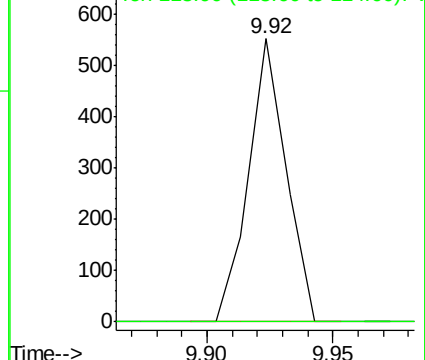
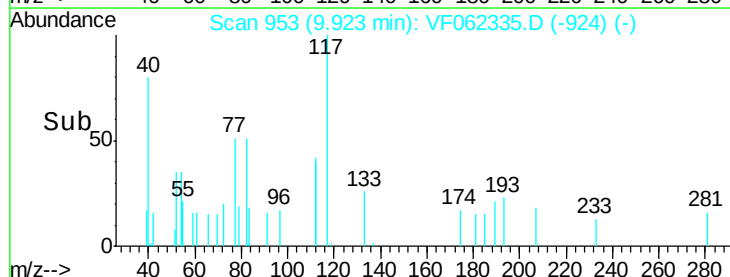
112 100

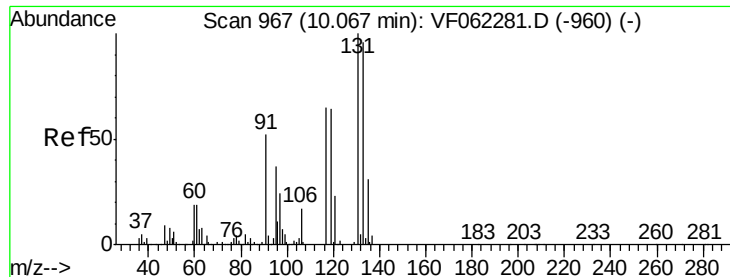
114 0.0 27.0 40.6#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 2.047 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

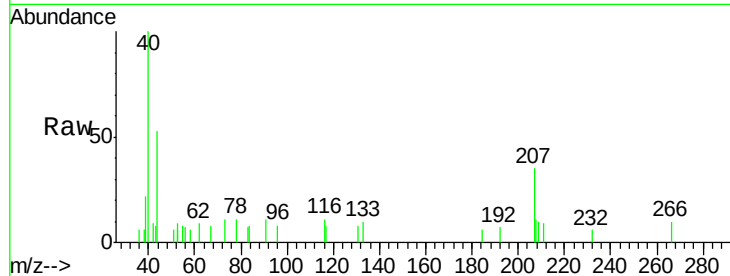
Tot Ion:131 Resp: 81

Ion Ratio Lower Upper

131 100

133 874.1 48.5 145.5#

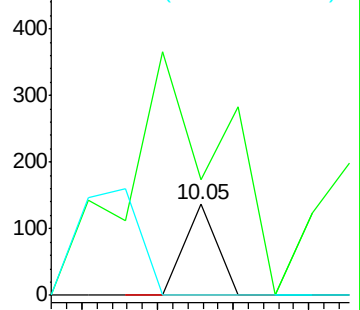
119 224.7 32.9 98.7#



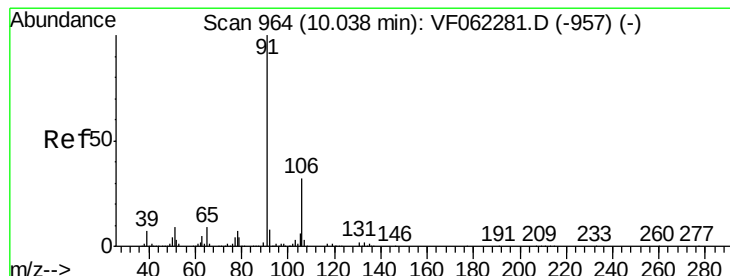
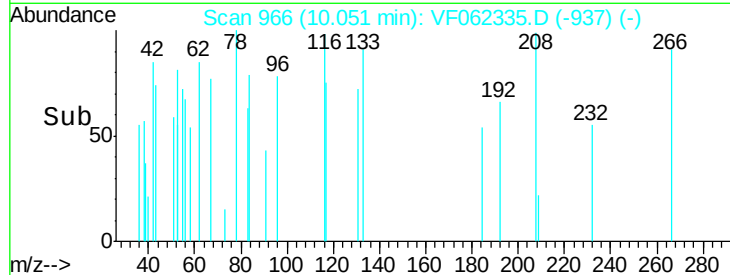
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 10.819 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF062335.D

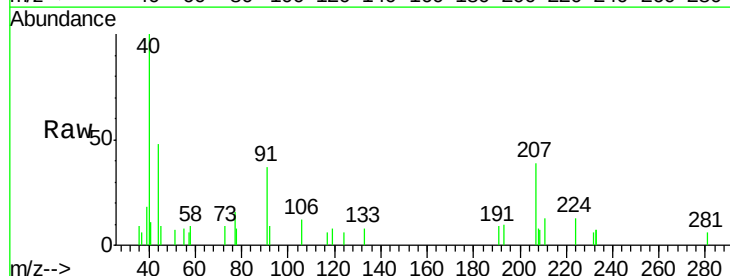
Acq: 30 Apr 2019 15:59

Tgt Ion: 91 Resp: 1580

Ion Ratio Lower Upper

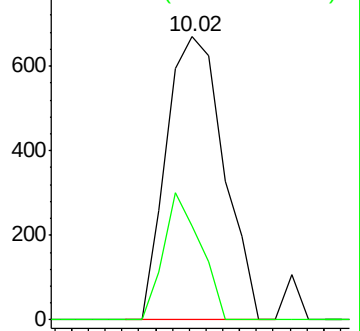
91 100

106 33.0 25.6 38.4

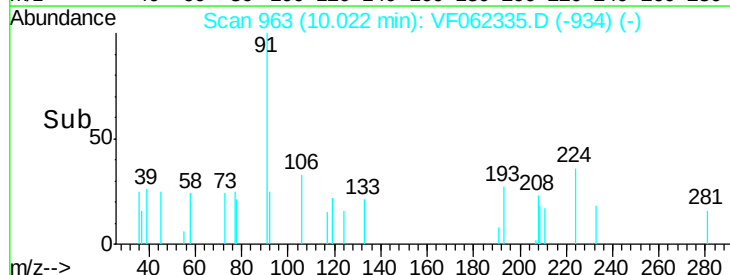


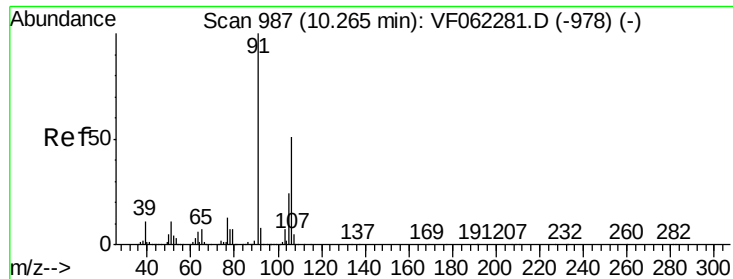
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

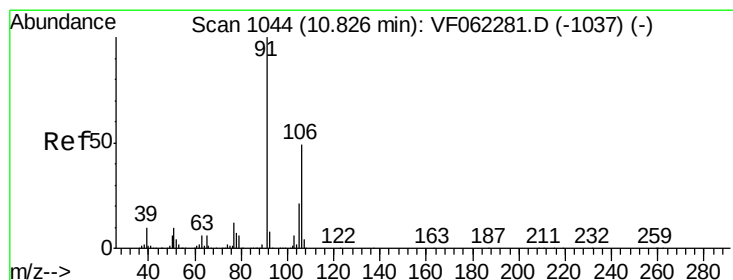
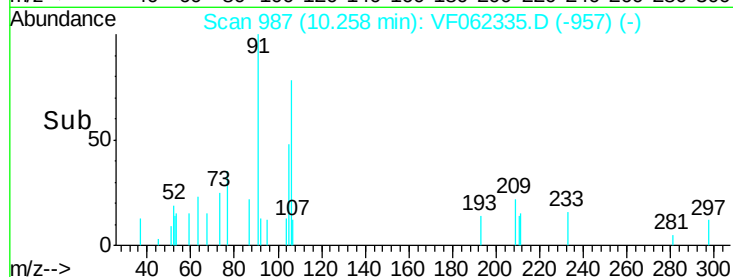
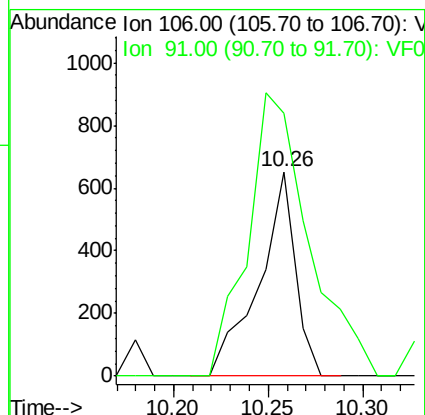
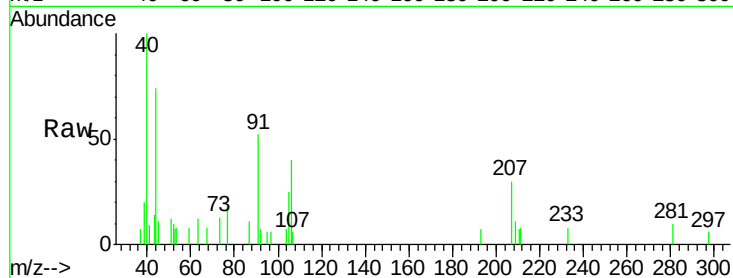




#68
m/p-Xylenes
Concen: 16.074 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

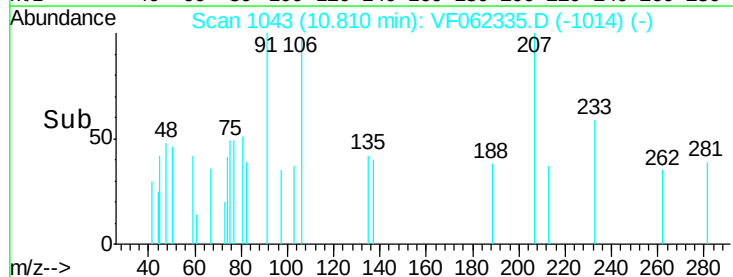
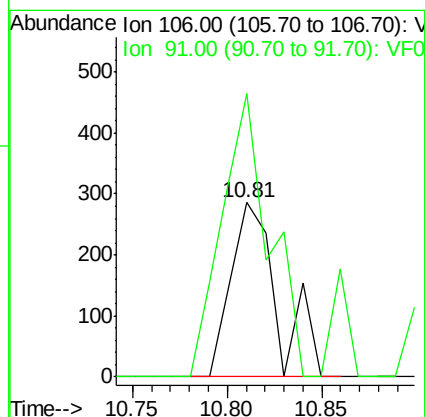
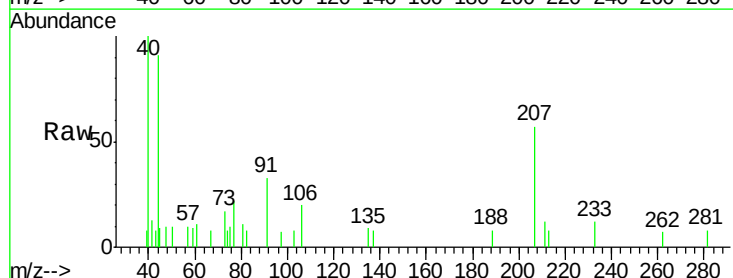
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

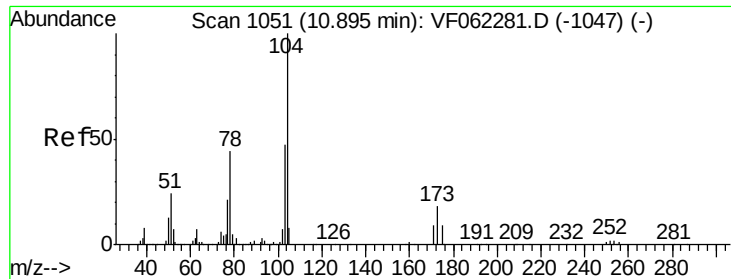
Tot Ion:106 Resp: 874
Ion Ratio Lower Upper
106 100
91 233.0 158.3 237.5



#69
o-Xylene
Concen: 7.951 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion:106 Resp: 483
Ion Ratio Lower Upper
106 100
91 166.9 110.0 330.0

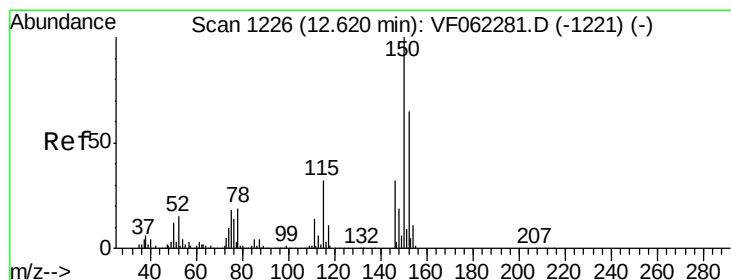
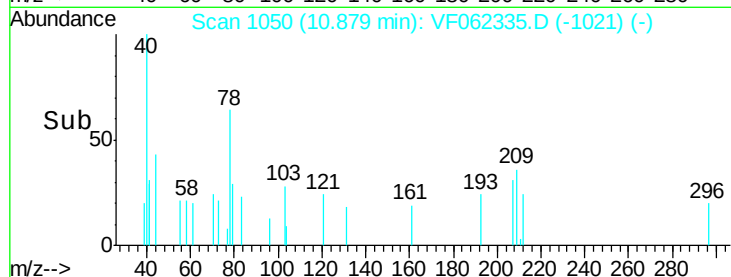
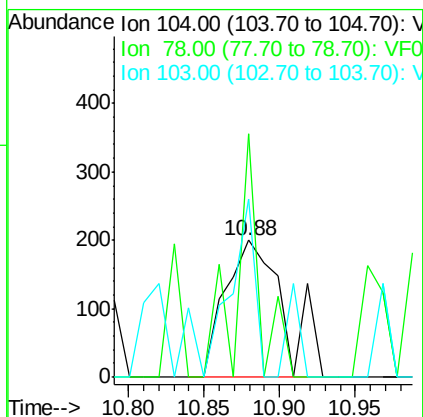
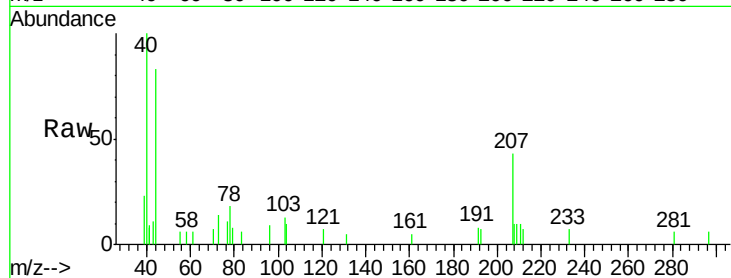




#70
Stvrene
Concen: 6.138 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

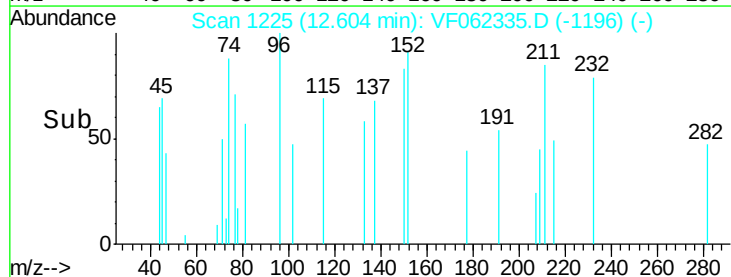
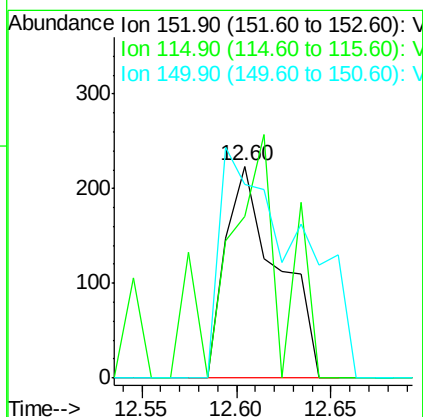
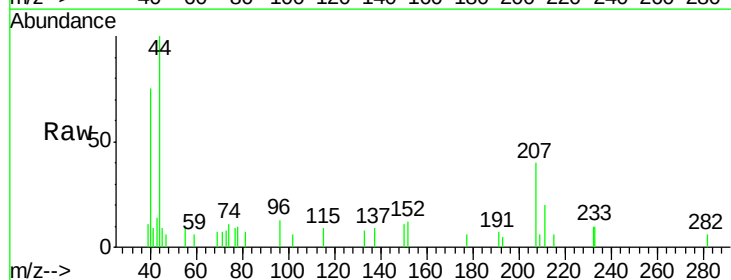
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

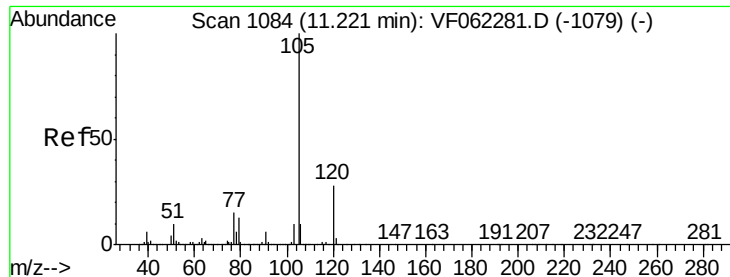
Tot Ion:104 Resp: 539
Ion Ratio Lower Upper
104 100
78 70.3 35.9 53.9#
103 53.6 37.5 56.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion:152 Resp: 425
Ion Ratio Lower Upper
152 100
115 123.8 25.6 76.8#
150 164.2 0.0 330.6





#73

Isopropylbenzene

Concen: 55.325 ug/l

RT: 11.19 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

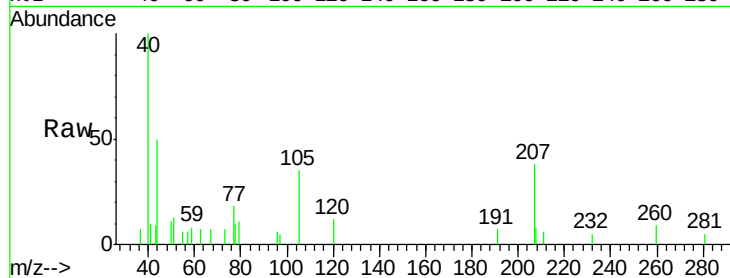
ROCK-COMPRES

Tot Ion:105 Resp: 1611

Ion Ratio Lower Upper

105 100

120 26.9 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800

600

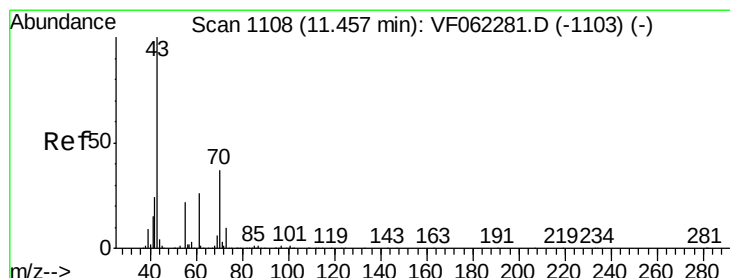
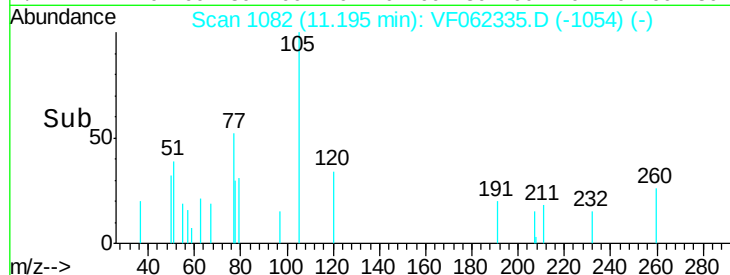
400

200

0

11.15 11.20 11.25

Time-->



#74

N-ethyl acetate

Concen: 62.749 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Tgt Ion: 43 Resp: 421

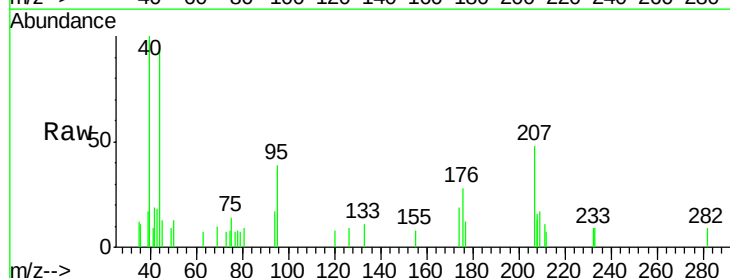
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.8#

55 0.0 16.6 24.8#

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

400

300

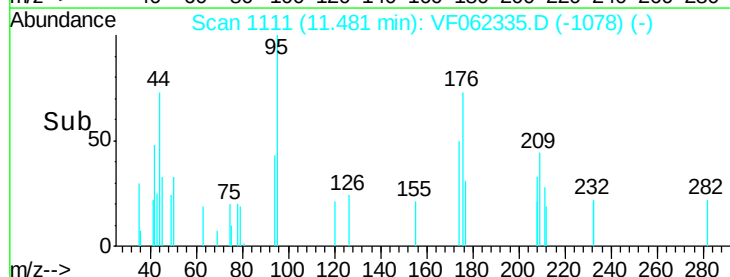
200

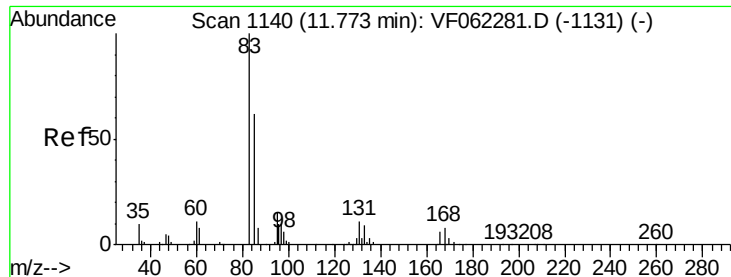
100

0

11.46 11.48 11.50 11.52

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 13.834 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.10 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

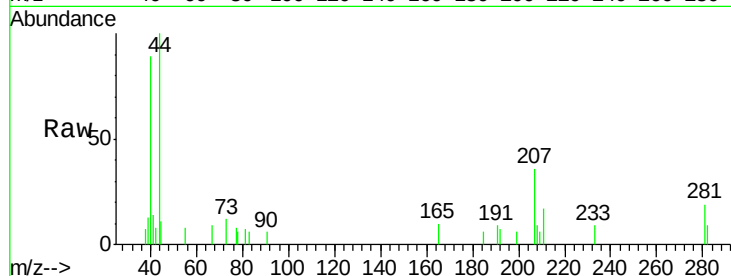
Tot Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

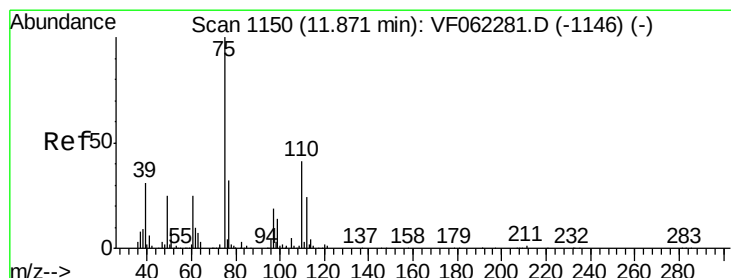
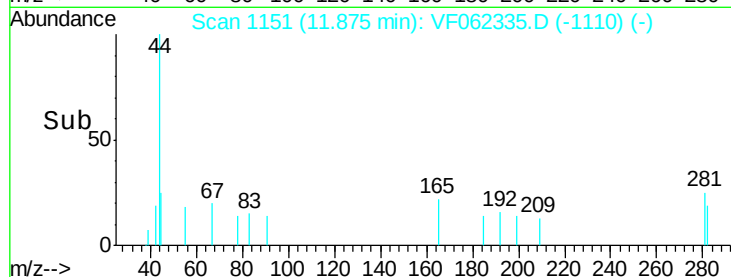
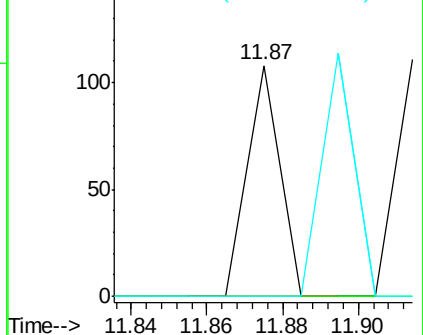
85 104.7 34.5 103.6#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 20.108 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.05 min

Lab File: VF062335.D

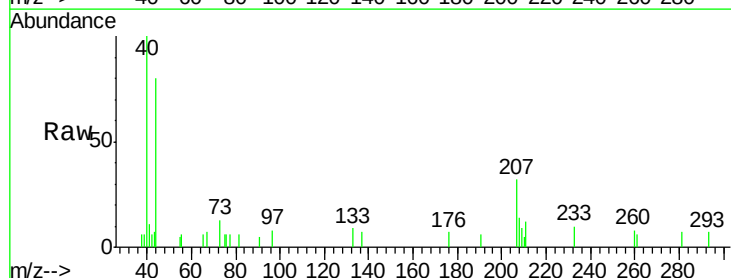
Acq: 30 Apr 2019 15:59

Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

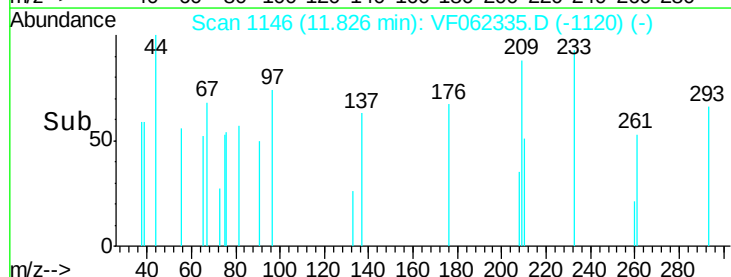
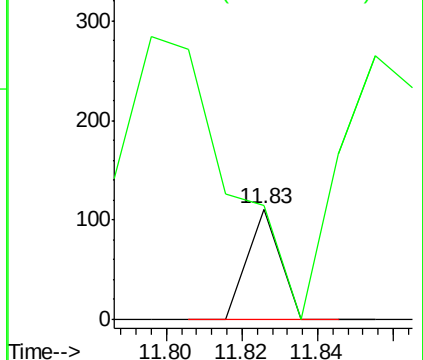
75 100

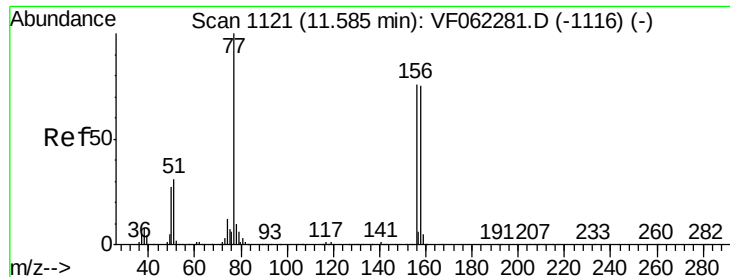
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 31.733 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

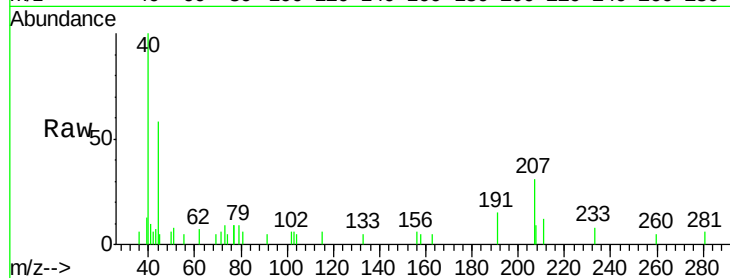
Tot Ion:156 Resp: 231

Ion Ratio Lower Upper

156 100

77 214.7 67.3 201.9#

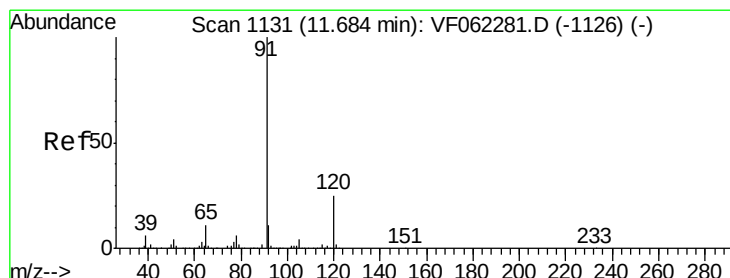
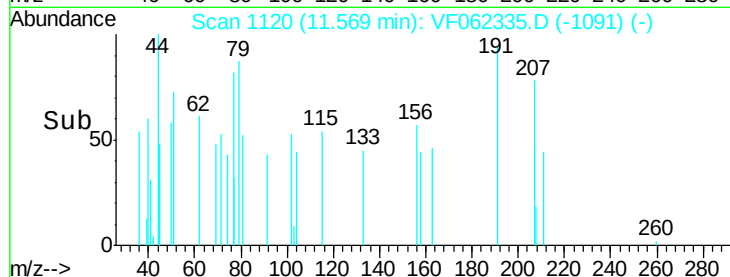
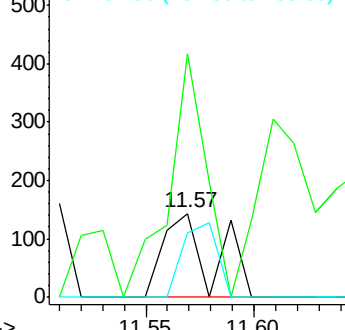
158 60.6 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.957 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.03 min

Lab File: VF062335.D

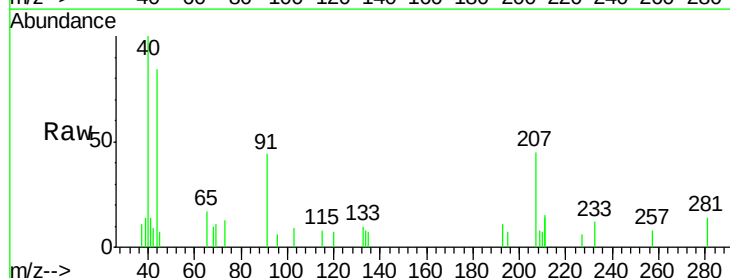
Acq: 30 Apr 2019 15:59

Tgt Ion: 91 Resp: 1500

Ion Ratio Lower Upper

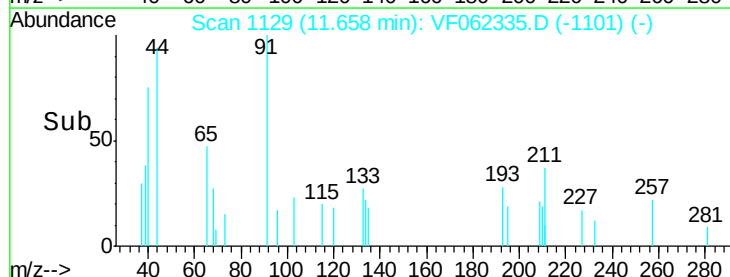
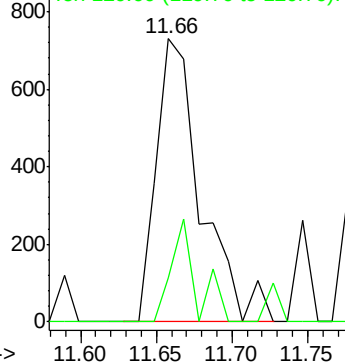
91 100

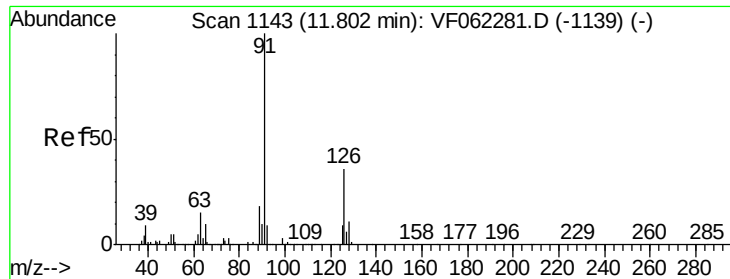
120 20.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

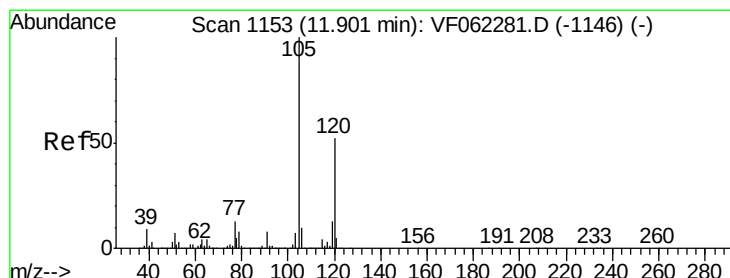
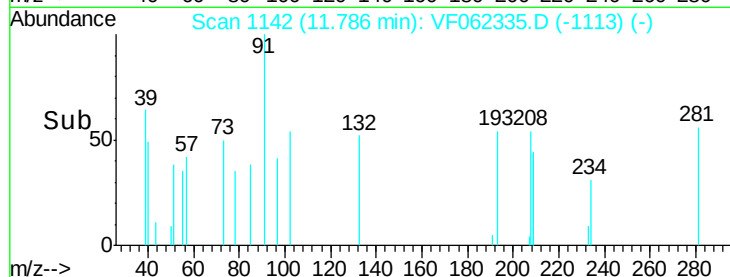
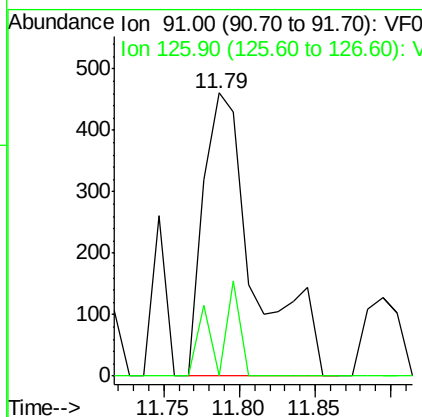
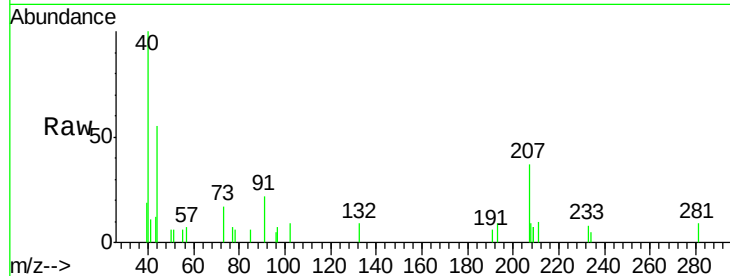




#79
 2-Chlorotoluene
 Concen: 58.682 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

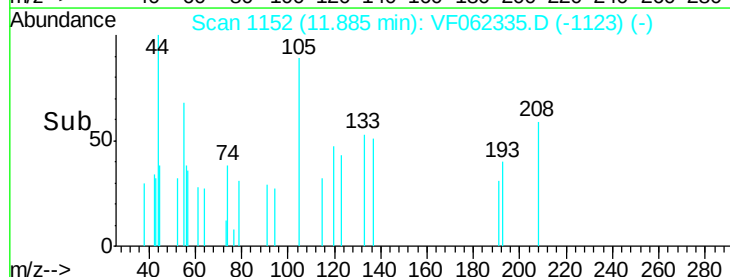
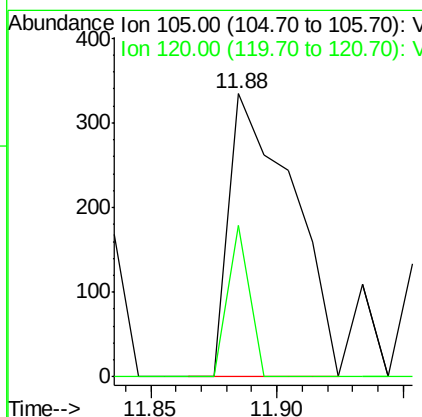
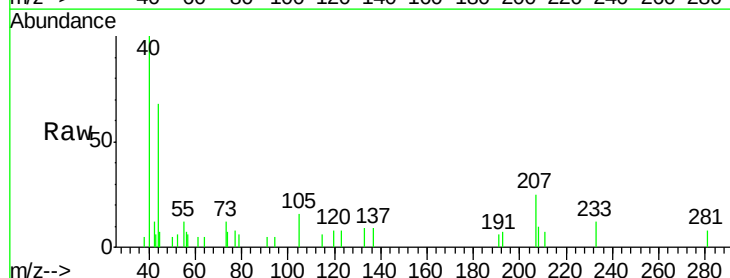
Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

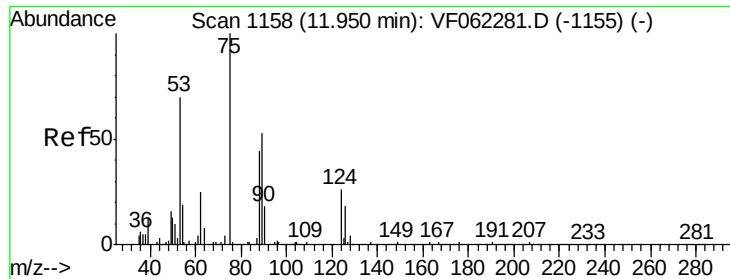
Tot Ion: 91 Resp: 1083
 Ion Ratio Lower Upper
 91 100
 126 6.3 17.9 53.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 24.042 ug/l
 RT: 11.88 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion: 105 Resp: 591
 Ion Ratio Lower Upper
 105 100
 120 17.9 25.8 77.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 230.376 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

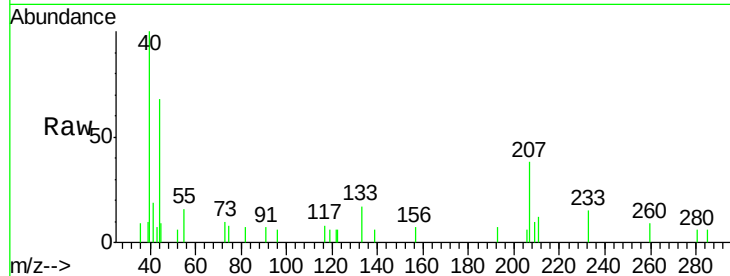
Tot Ion: 75 Resp: 338

Ion Ratio Lower Upper

75 100

53 0.0 67.1 100.7#

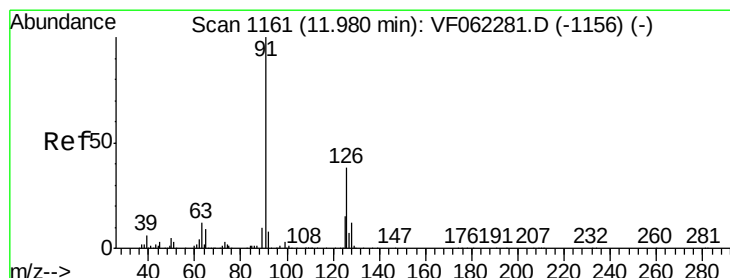
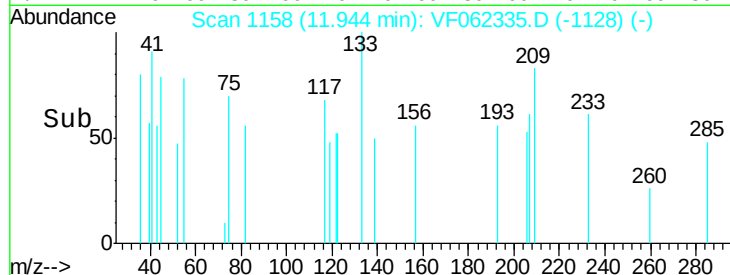
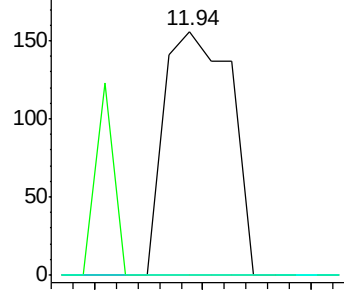
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 14.840 ug/l

RT: 12.08 min Scan# 1172

Delta R.T. 0.10 min

Lab File: VF062335.D

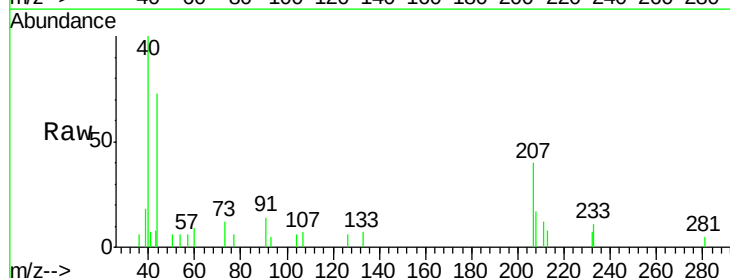
Acq: 30 Apr 2019 15:59

Tgt Ion: 91 Resp: 271

Ion Ratio Lower Upper

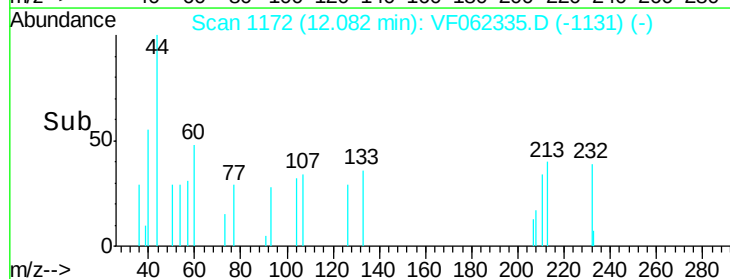
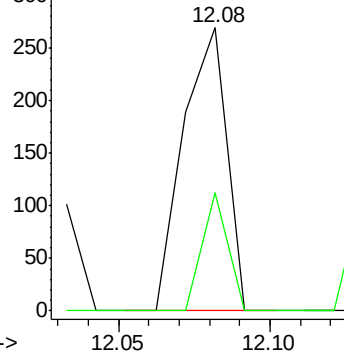
91 100

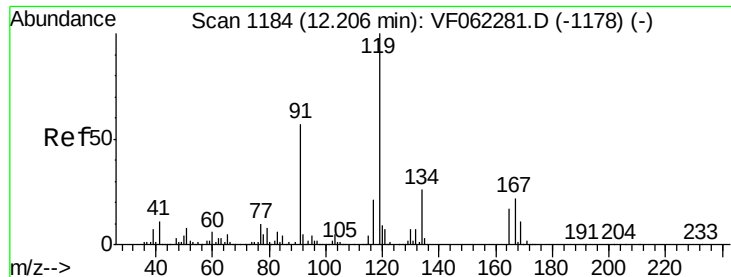
126 24.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 35.239 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

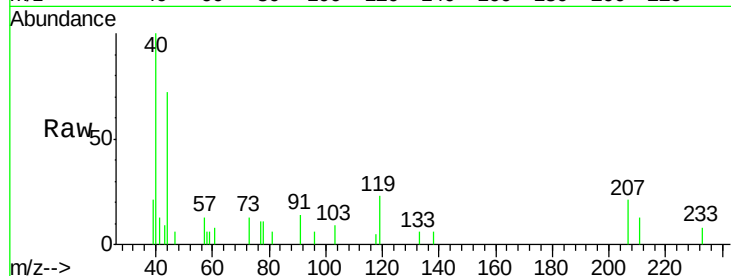
Tot Ion:119 Resp: 889

Ion Ratio Lower Upper

119 100

91 83.1 29.4 88.2

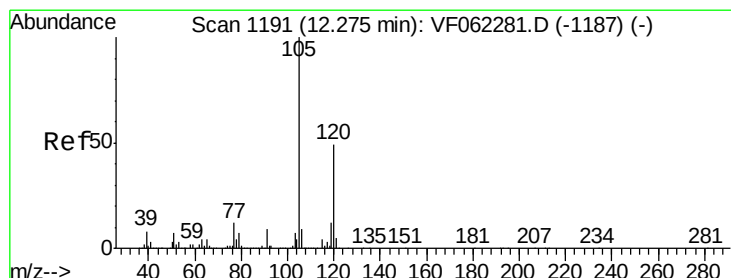
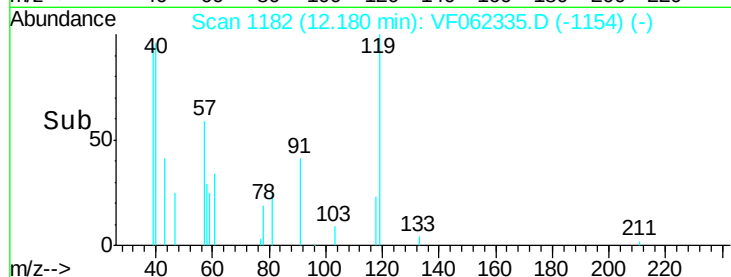
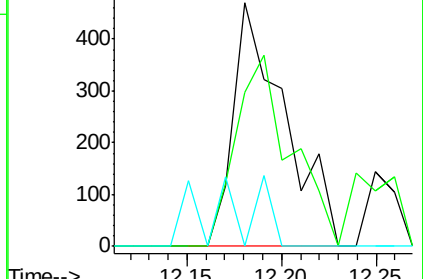
134 18.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.547 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.03 min

Lab File: VF062335.D

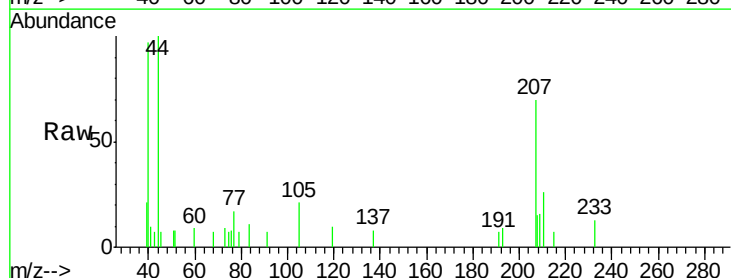
Acq: 30 Apr 2019 15:59

Tgt Ion:105 Resp: 513

Ion Ratio Lower Upper

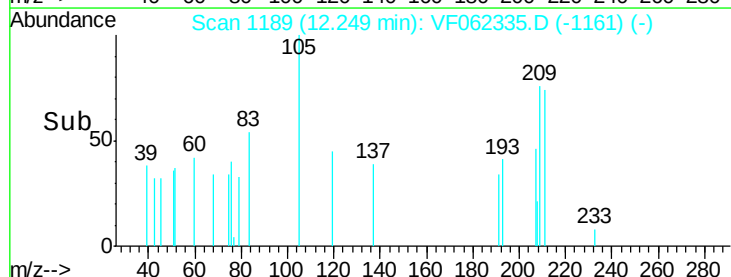
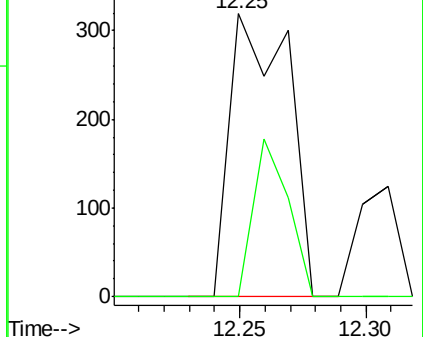
105 100

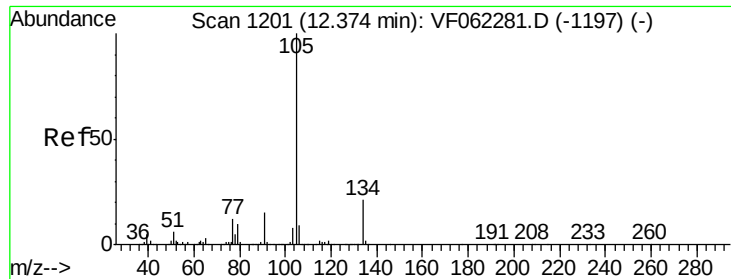
120 33.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

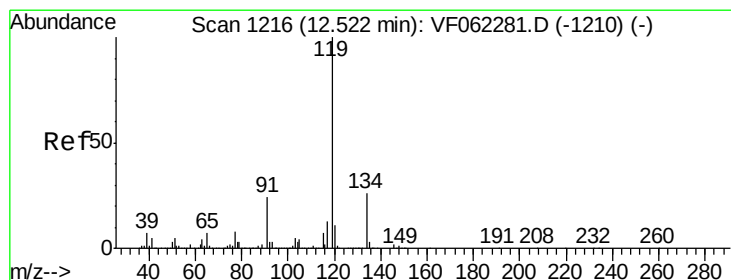
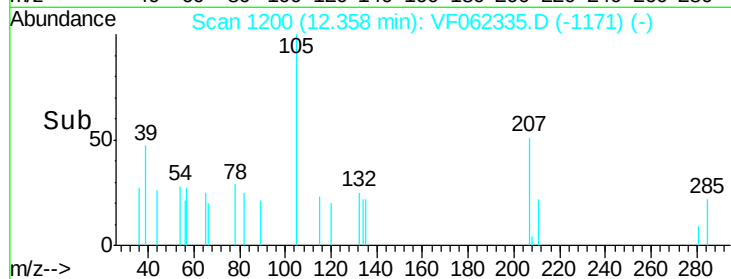
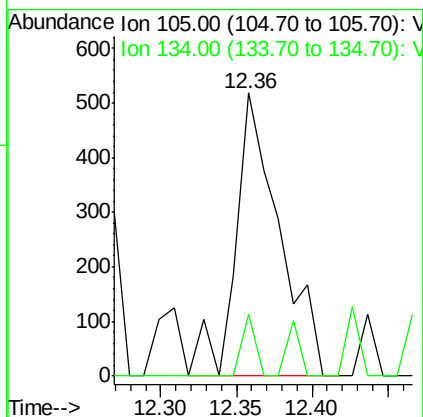
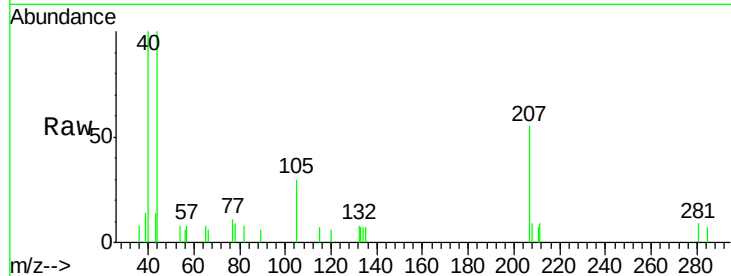




#85
 sec-Butylbenzene
 Concen: 33.289 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

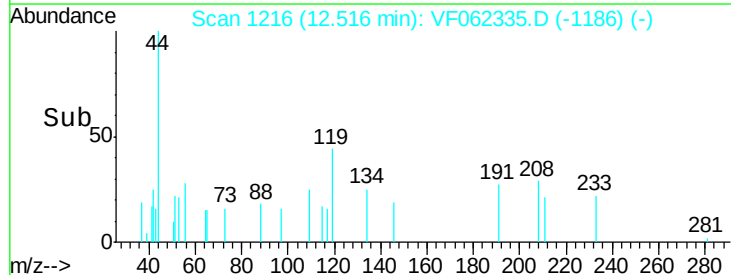
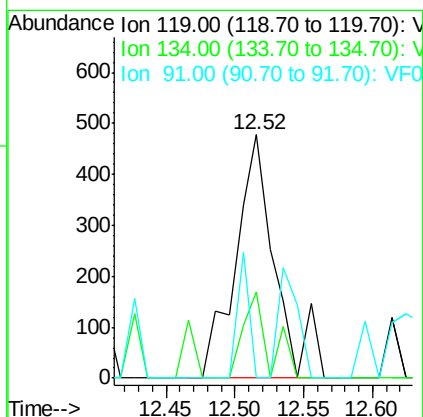
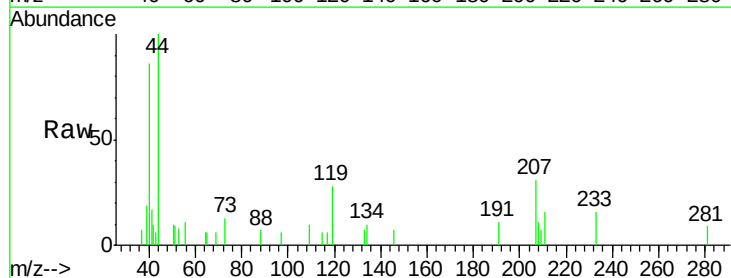
Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

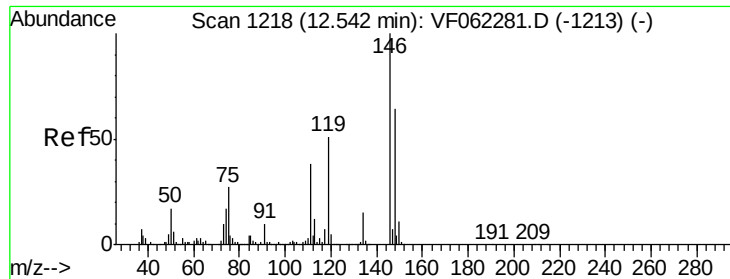
Tot Ion:105 Resp: 1046
 Ion Ratio Lower Upper
 105 100
 134 6.3 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 34.113 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion:119 Resp: 961
 Ion Ratio Lower Upper
 119 100
 134 23.1 13.2 39.5
 91 15.1 11.6 34.7

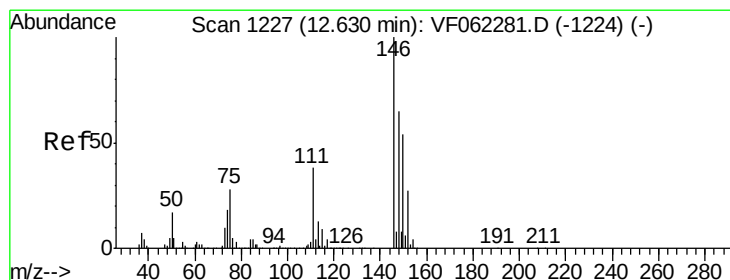
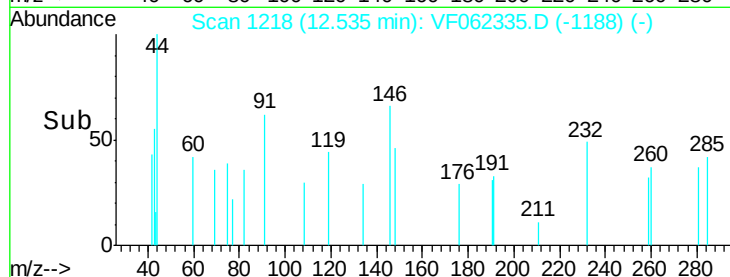
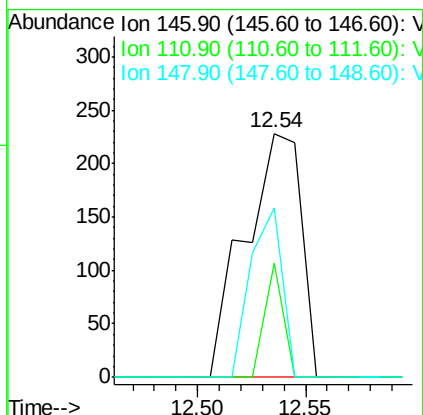
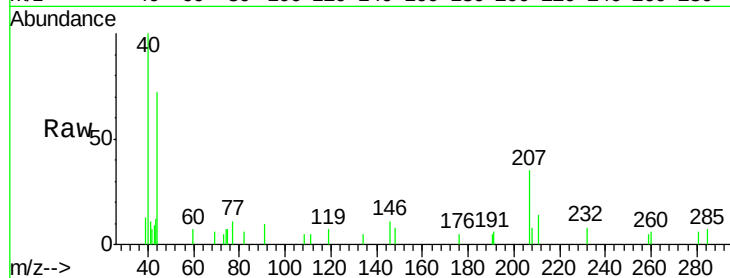




#87
 1,3-Dichlorobenzene
 Concen: 32.224 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

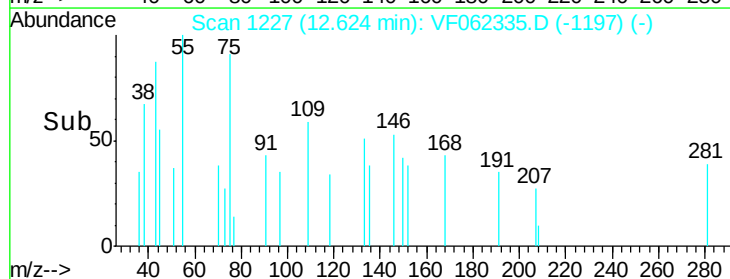
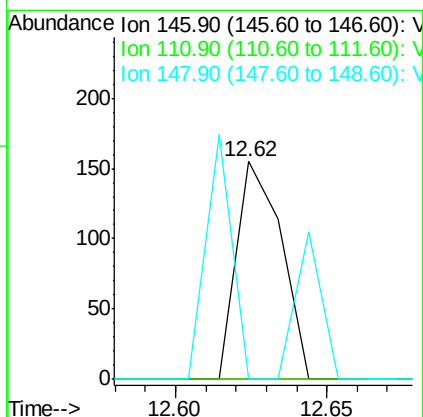
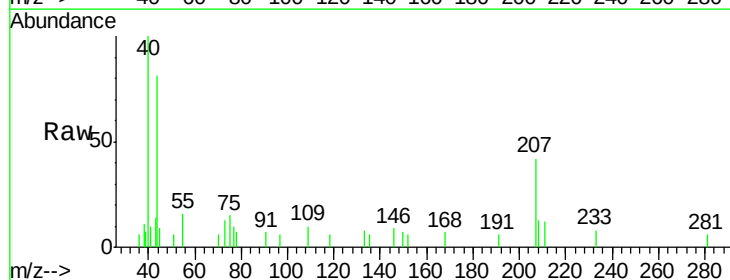
Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

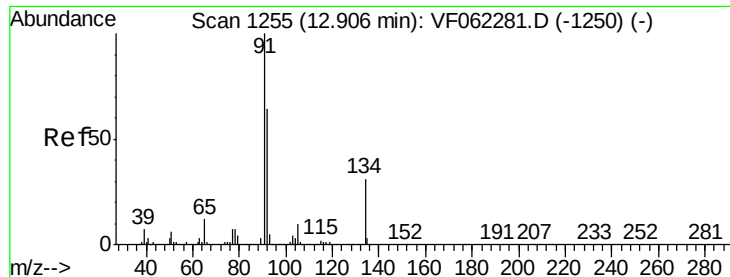
Tot Ion:146 Resp: 415
 Ion Ratio Lower Upper
 146 100
 111 15.2 18.6 55.8#
 148 39.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 13.021 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion:146 Resp: 159
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.6 56.0#
 148 64.8 32.5 97.5

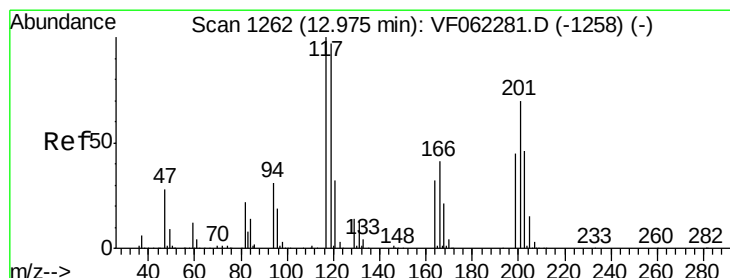
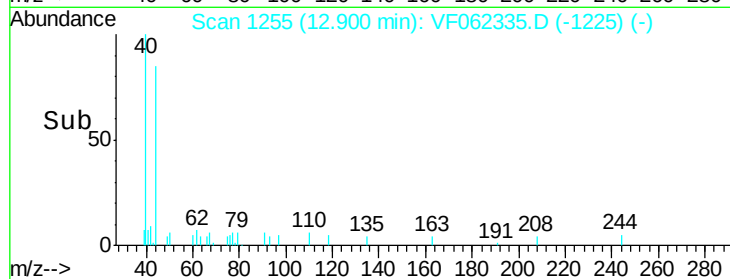
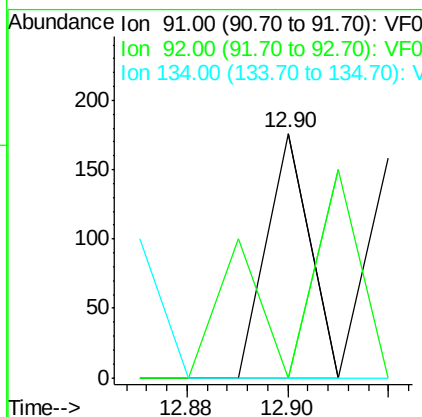
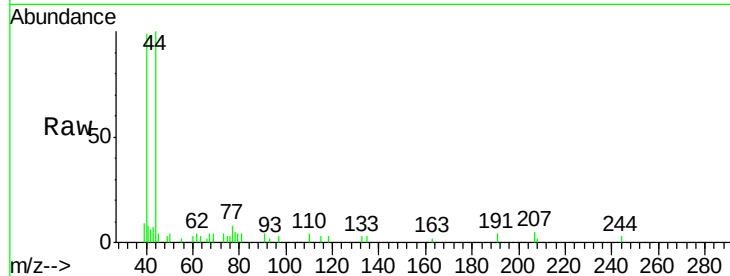




#89
n-Butylbenzene
Concen: 4.063 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

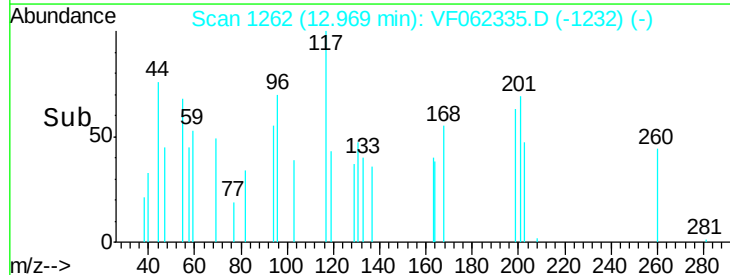
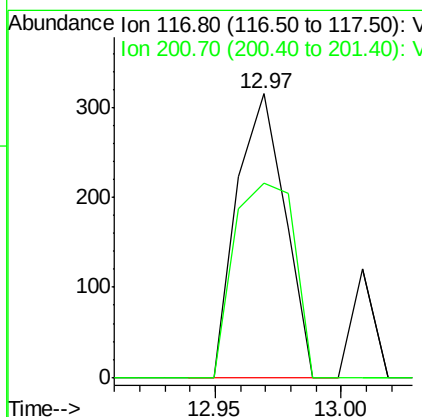
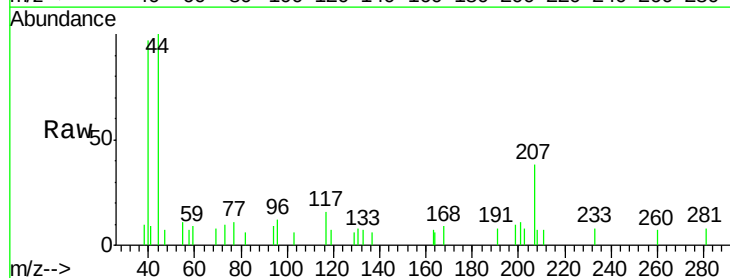
Instrument :
MSVOA_F
ClientSampleId :
ROCK-COMPRES

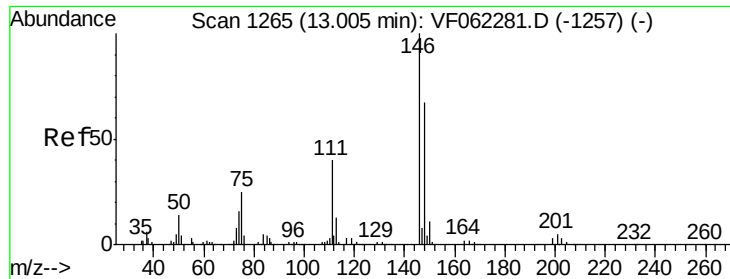
Tot Ion: 91 Resp: 104
Ion Ratio Lower Upper
91 100
92 56.7 31.1 93.3
134 0.0 14.4 43.4#



#90
Hexachloroethane
Concen: 58.910 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062335.D
Acq: 30 Apr 2019 15:59

Tgt Ion: 117 Resp: 416
Ion Ratio Lower Upper
117 100
201 86.5 42.9 128.5

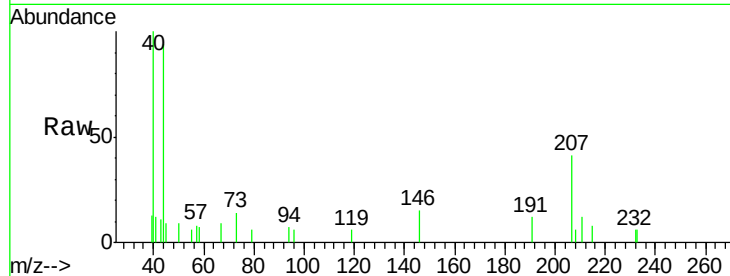




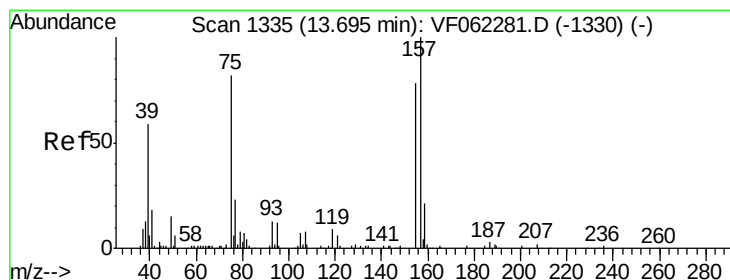
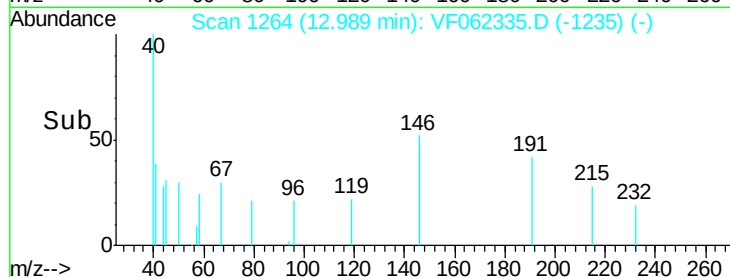
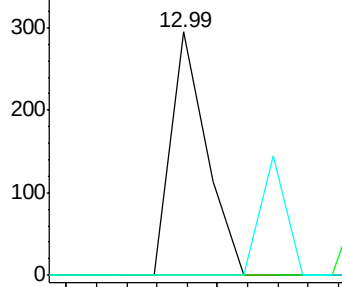
#91
 1,2-Dichlorobenzene
 Concen: 19.495 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	59.9#
148	0.0	33.1	99.5#

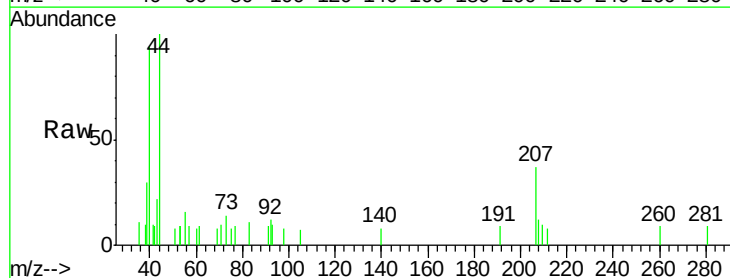


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

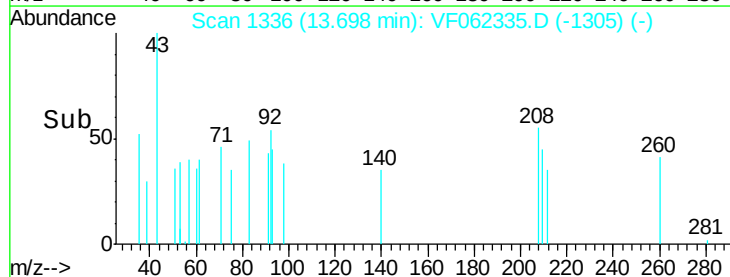
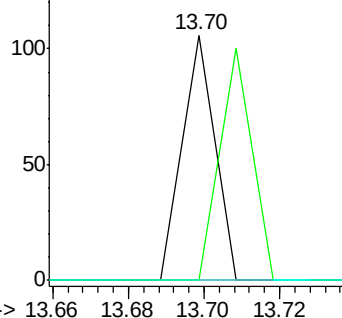


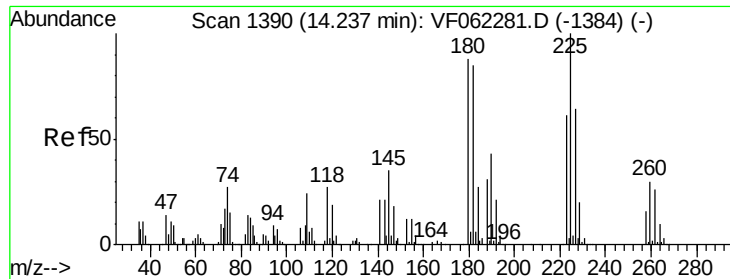
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.504 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	51.7	155.2
157	0.0	64.5	193.5#



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





#94

Hexachlorobutadiene

Concen: 17.157 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

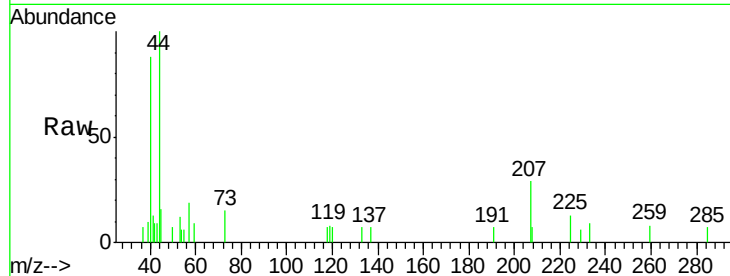
Instrument :

MSVOA_F

ClientSampleId :

ROCK-COMPRES

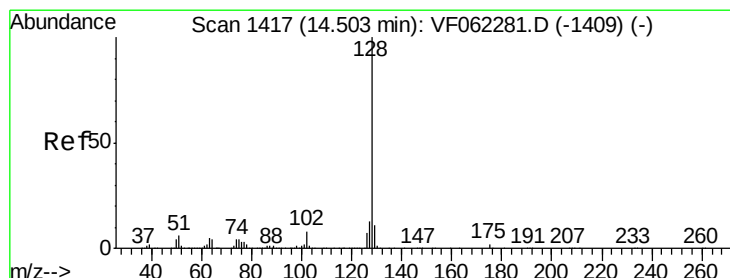
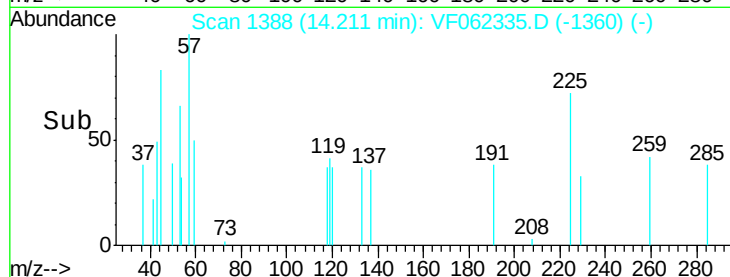
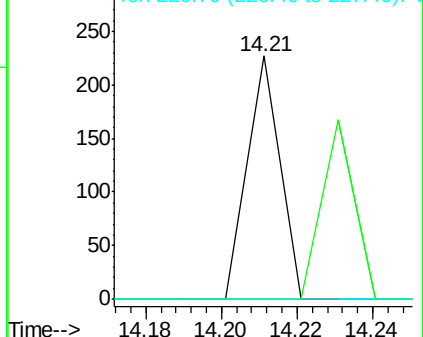
Tot Ion:	225	Resp:	134
Ion	Ratio	Lower	Upper
225	100		
223	73.9	30.8	92.3
227	0.0	31.9	95.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 14.918 ug/l

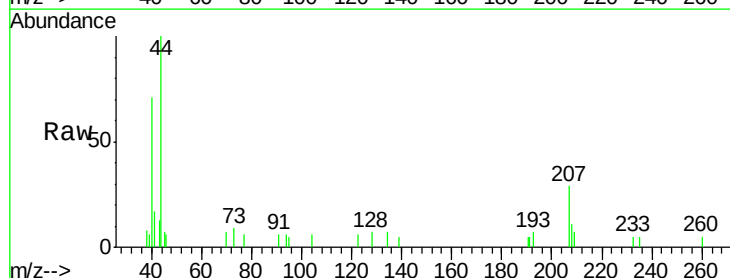
RT: 14.48 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VF062335.D

Acq: 30 Apr 2019 15:59

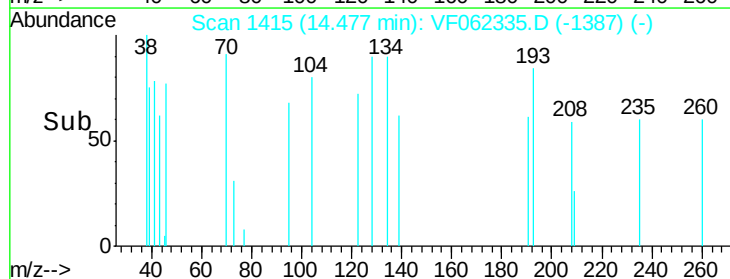
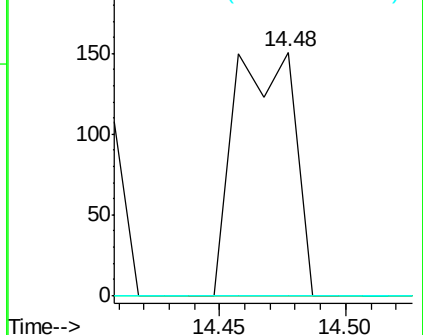
Tgt Ion:	128	Resp:	251
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.9	13.3#

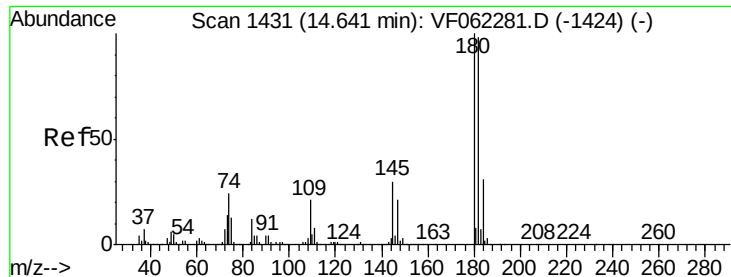


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

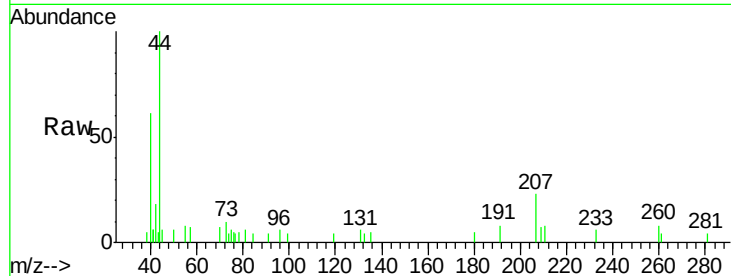




#96
 1,2,3-Trichlorobenzene
 Concen: 7.010 ug/l
 RT: 14.63 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: VF062335.D
 Acq: 30 Apr 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :
 ROCK-COMPRES

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.0	147.2#
145	0.0	14.5	43.5#



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

