

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062293.D
 Acq On : 25 Apr 2019 15:46
 Operator : FY/SY
 Sample : K2203-19RE
 Misc : 6.42g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

Quant Time: Apr 26 01:08:40 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	5.06	168	1011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	255	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	74	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	61	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	71	8.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	17.34%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.70	98	83	17.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	35.94%	
62) 4-Bromofluorobenzene	11.51	95	119	62.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.06	85	74	6.159	ug/l #	40
3) Chloromethane	1.10	50	601	59.379	ug/l #	44
4) Vinyl Chloride	1.11	62	77	8.033	ug/l #	44
5) Bromomethane	1.41	94	264	40.554	ug/l #	6
6) Chloroethane	1.54	64	79	18.800	ug/l #	42
8) Diethyl Ether	1.76	74	69	25.004	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	2.04	101	62	6.486	ug/l #	1
10) Methyl Iodide	1.95	142	72	4.309	ug/l #	1
11) Tert butyl alcohol	2.68	59	134	270.501	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	231	27.083	ug/l #	1
13) Acrolein	2.13	56	571	1197.121	ug/l #	54
14) Allyl chloride	2.15	41	656	70.671	ug/l #	58
15) Acrylonitrile	3.07	53	73	53.206	ug/l #	1
16) Acetone	2.38	43	1149	626.658	ug/l #	56
17) Carbon Disulfide	1.86	76	97	4.321	ug/l #	69
18) Methyl Acetate	2.47	43	947	292.261	ug/l #	79
19) Methyl tert-butyl Ether	2.58	73	617	37.945	ug/l #	47
20) Methylene Chloride	2.32	84	80	5.526	ug/l #	50
21) trans-1,2-Dichloroethene	2.45	96	309	36.659	ug/l #	47
22) Diisopropyl ether	2.93	45	186	7.443	ug/l #	31
23) Vinyl Acetate	3.36	43	979	88.348	ug/l #	78
24) 1,1-Dichloroethane	3.02	63	69	4.838	ug/l #	89
25) 2-Butanone	4.53	43	323	111.100	ug/l #	57
26) 2,2-Dichloropropane	3.80	77	362	48.875	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	300	28.105	ug/l #	1
28) Bromochloromethane	3.91	49	59	9.816	ug/l #	2
29) Tetrahydrofuran	4.27	42	875	684.959	ug/l #	37
30) Chloroform	4.04	83	59	3.294	ug/l #	18
31) Cyclohexane	3.86	56	529	38.979	ug/l #	16
32) 1,1,1-Trichloroethane	4.25	97	388	27.593	ug/l #	30
36) 1,1-Dichloropropene	4.49	75	70	29.755	ug/l #	1
37) Ethyl Acetate	4.30	43	625	631.483	ug/l #	3
38) Carbon Tetrachloride	4.11	117	75	31.359	ug/l #	12
39) Methylcyclohexane	5.62	83	85	30.951	ug/l #	39

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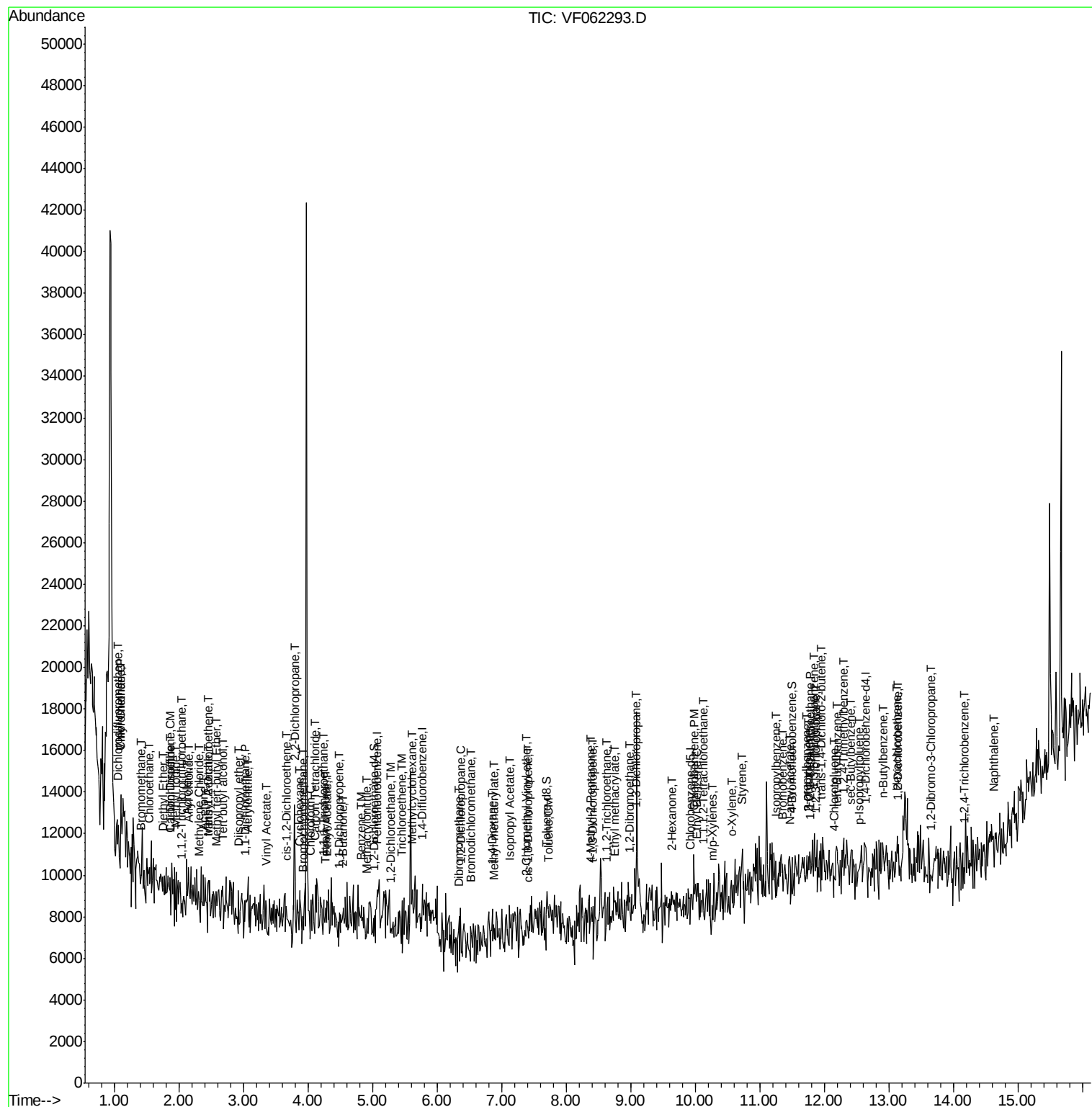
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.83	78	221	38.881	ug/l #	51
41) Methacrylonitrile	4.92	41	336	611.086	ug/l #	36
42) 1,2-Dichloroethane	5.28	62	63	34.986	ug/l #	76
43) Isopropyl Acetate	7.12	43	432	427.546	ug/l #	46
44) Trichloroethene	5.44	130	70	36.400	ug/l	3
45) 1,2-Dichloropropane	6.37	63	60	46.818	ug/l #	45
46) Dibromomethane	6.32	93	87	94.016	ug/l #	35
47) Bromodichloromethane	6.52	83	63	28.960	ug/l #	23
48) Methyl methacrylate	6.88	41	321	442.688	ug/l #	15
49) 1,4-Dioxane	6.84	88	74	8862.594	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	1075	1378.509	ug/l #	50
52) Toluene	7.72	92	67	20.428	ug/l	76
53) t-1,3-Dichloropropene	8.40	75	69	43.134	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	65	31.718	ug/l #	80
55) 1,1,2-Trichloroethane	8.62	97	95	101.985	ug/l #	14
56) Ethyl methacrylate	8.76	69	95	92.832	ug/l #	1
57) 1,3-Dichloropropane	9.07	76	64	43.698	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.40	63	96	308.287	ug/l #	44
59) 2-Hexanone	9.65	43	959	2120.844	ug/l #	40
61) 1,2-Dibromoethane	8.98	107	62	57.508	ug/l	98
65) Chlorobenzene	9.97	112	63	46.588	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	70	109.899	ug/l #	21
67) Ethyl Benzene	10.04	91	387	164.617	ug/l #	43
68) m/p-Xylenes	10.25	106	68	77.691	ug/l #	48
69) o-Xylene	10.57	106	79	80.788	ug/l #	1
70) Styrene	10.74	104	76	53.763	ug/l #	1
73) Isopropylbenzene	11.25	105	165	39.479	ug/l #	50
74) N-amyl acetate	11.48	43	1382	1435.136	ug/l #	57
75) 1,1,1,2-Tetrachloroethane	11.79	83	60	90.361	ug/l #	33
76) 1,2,3-Trichloropropane	11.86	75	105	222.880	ug/l #	100
77) Bromobenzene	11.35	156	70	66.998	ug/l #	1
78) n-propylbenzene	11.72	91	127	28.879	ug/l #	52
79) 2-Chlorotoluene	11.75	91	144	54.363	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	63	17.856	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.94	75	98	465.378	ug/l #	88
82) 4-Chlorotoluene	12.15	91	131	49.980	ug/l	79
83) tert-Butylbenzene	12.21	119	238	65.730	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	72	21.070	ug/l #	29
85) sec-Butylbenzene	12.40	105	143	31.708	ug/l #	23
86) p-Isopropyltoluene	12.52	119	70	17.312	ug/l #	1
89) n-Butylbenzene	12.90	91	100	27.219	ug/l #	28
90) Hexachloroethane	13.13	117	62	61.172	ug/l	79
91) 1,2-Dichlorobenzene	13.15	146	70	39.452	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.65	75	68	507.644	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.17	180	60	38.492	ug/l #	11
95) Naphthalene	14.61	128	102	42.238	ug/l #	69

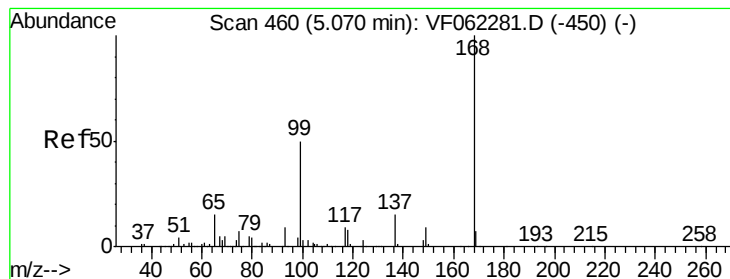
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

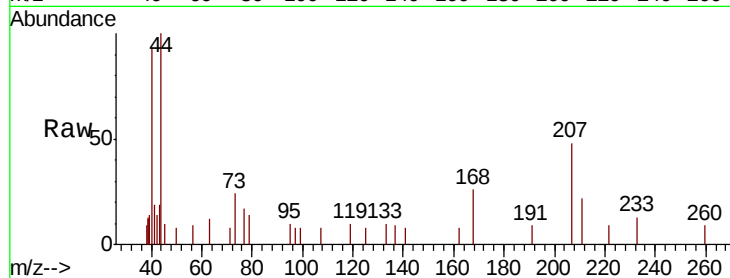
SU-03-042419-BRE

Tot Ion:168 Resp: 1011

Ion Ratio Lower Upper

168 100

99 29.3 40.0 60.0#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

400

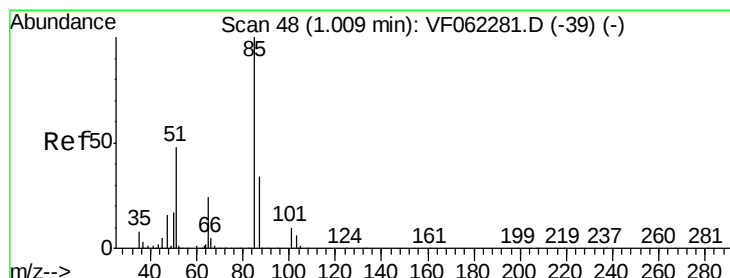
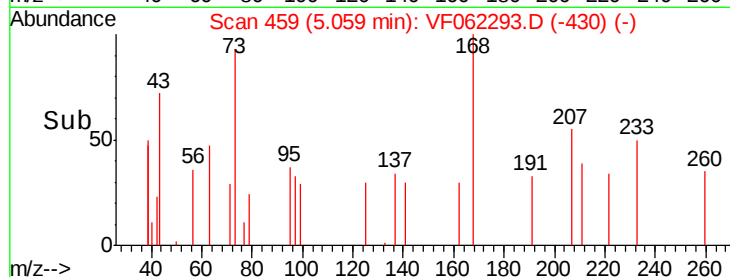
300

200

100

0

Time-->



#2

Dichlorodifluoromethane

Concen: 6.159 ug/l

RT: 1.06 min Scan# 53

Delta R.T. 0.05 min

Lab File: VF062293.D

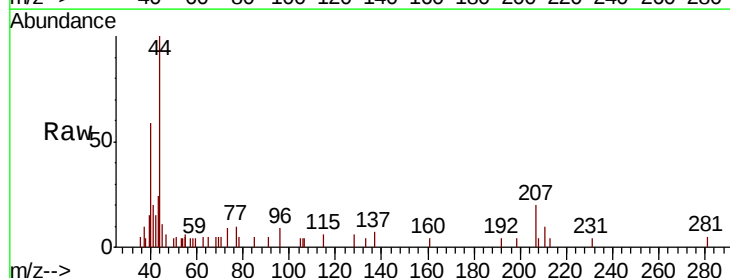
Acq: 25 Apr 2019 15:46

Tgt Ion: 85 Resp: 74

Ion Ratio Lower Upper

85 100

87 0.0 17.1 51.3#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

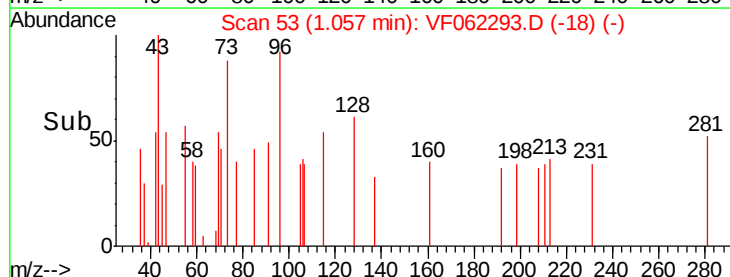
1.06

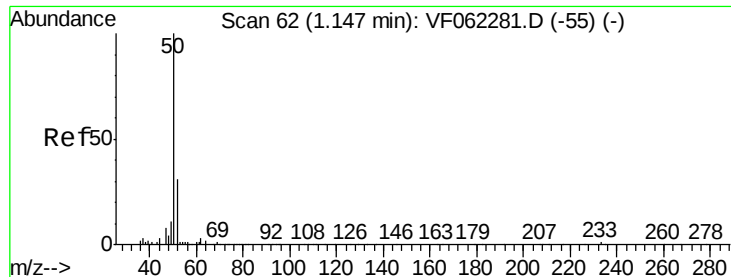
100

50

0

Time-->





#3

Chloromethane

Concen: 59.379 ug/l

RT: 1.10 min Scan# 57

Delta R.T. -0.05 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

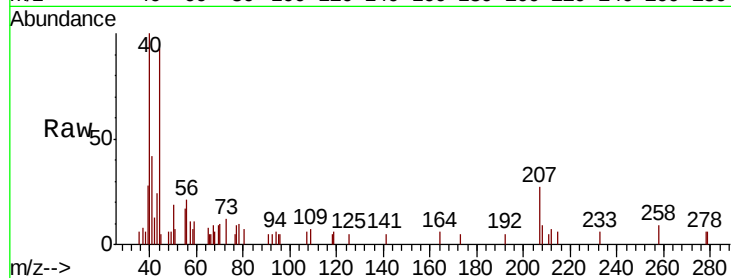
SU-03-042419-BRE

Tot Ion: 50 Resp: 601

Ion Ratio Lower Upper

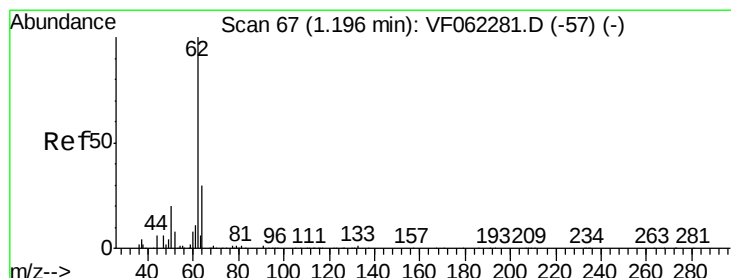
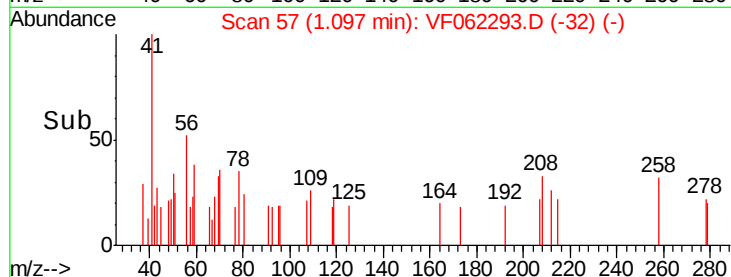
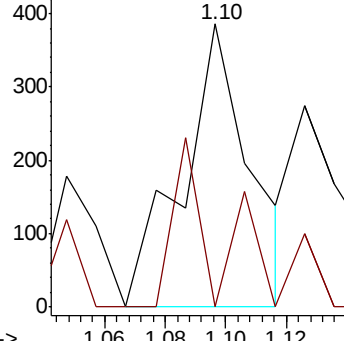
50 100

52 0.0 24.2 36.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 8.033 ug/l

RT: 1.11 min Scan# 58

Delta R.T. -0.09 min

Lab File: VF062293.D

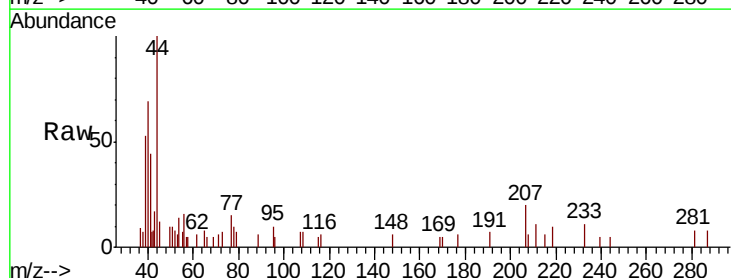
Acq: 25 Apr 2019 15:46

Tgt Ion: 62 Resp: 77

Ion Ratio Lower Upper

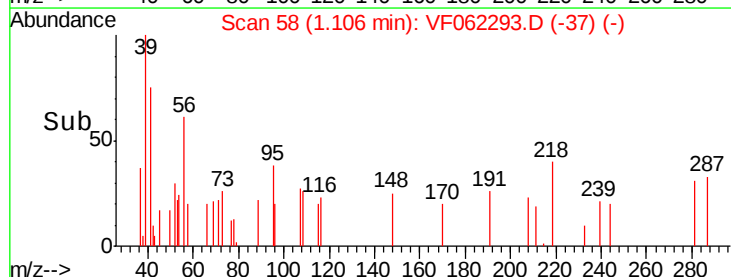
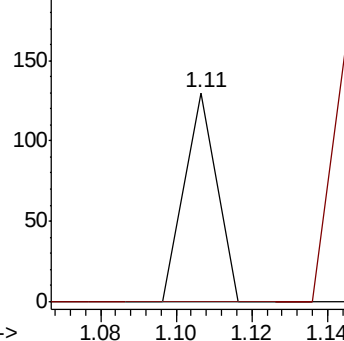
62 100

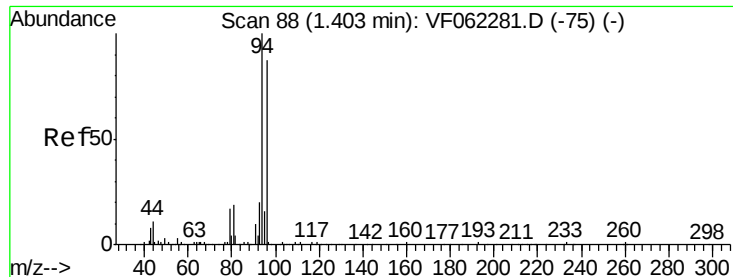
64 0.0 24.3 36.5#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 40.554 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

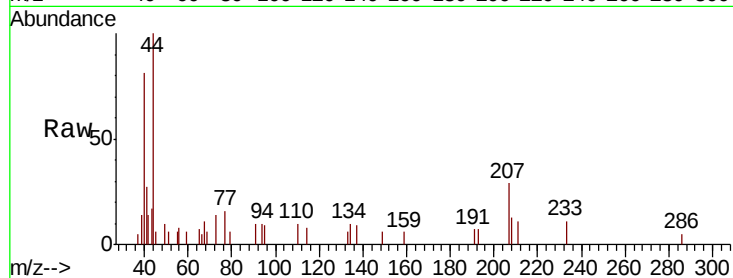
Instrument :
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Tot Ion: 94 Resp: 264

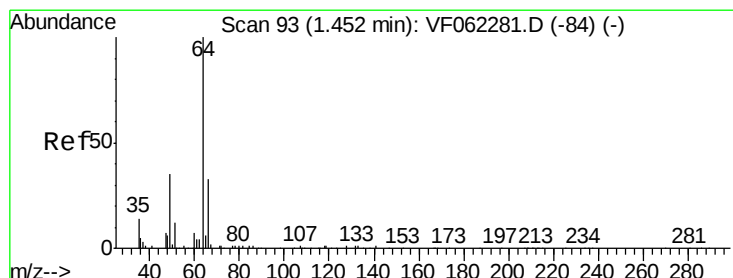
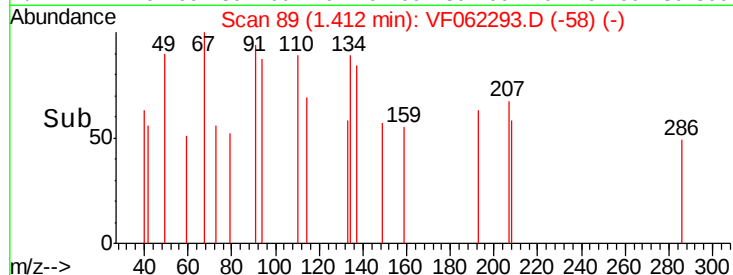
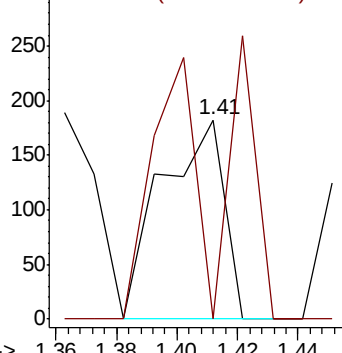
Ion Ratio Lower Upper

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



#6

Chloroethane

Concen: 18.800 ug/l

RT: 1.54 min Scan# 102

Delta R.T. 0.09 min

Lab File: VF062293.D

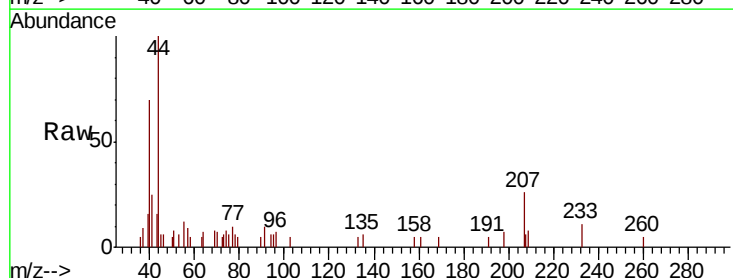
Acq: 25 Apr 2019 15:46

Tgt Ion: 64 Resp: 79

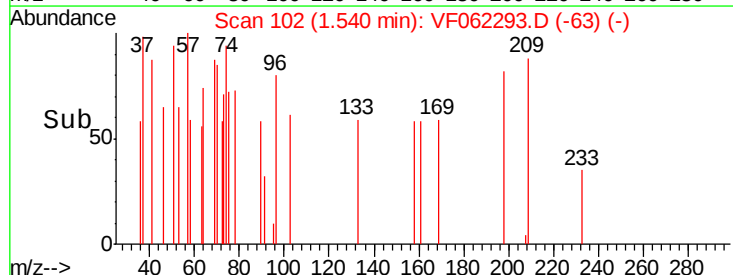
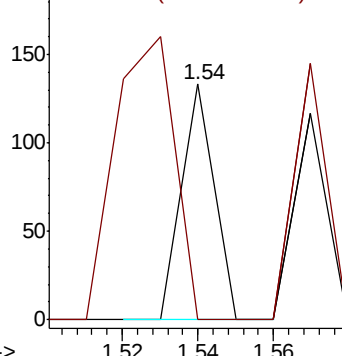
Ion Ratio Lower Upper

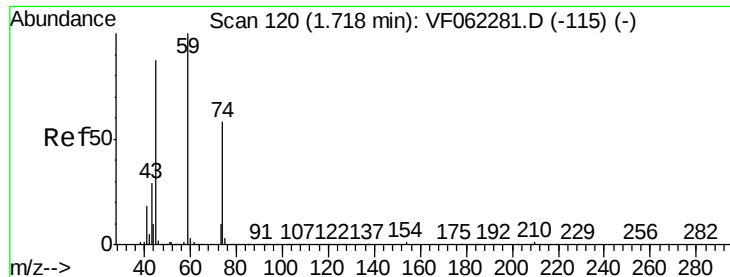
64 100

66 0.0 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: 25.004 ug/l

RT: 1.76 min Scan# 124

Delta R.T. 0.04 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

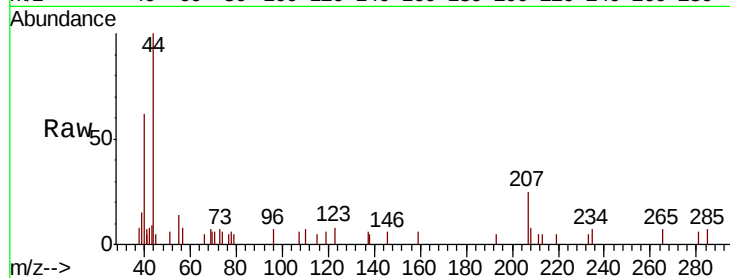
Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion: 74 Resp: 69

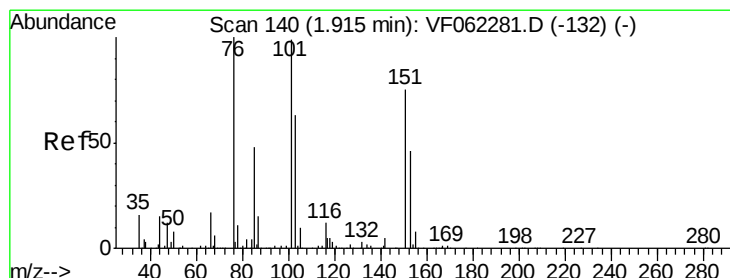
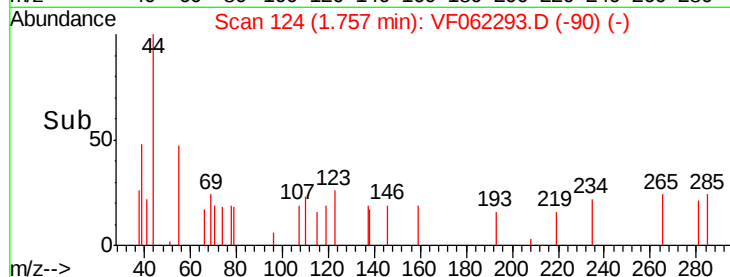
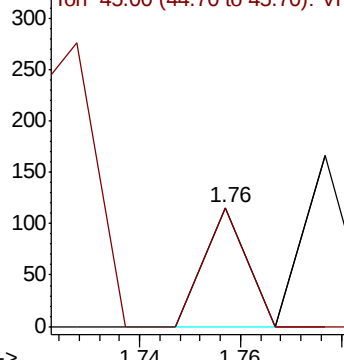
Ion Ratio Lower Upper

74 100

45 98.6 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.486 ug/l

RT: 2.04 min Scan# 153

Delta R.T. 0.13 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

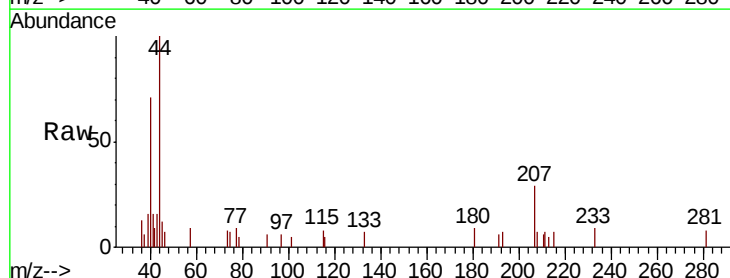
Tgt Ion:101 Resp: 62

Ion Ratio Lower Upper

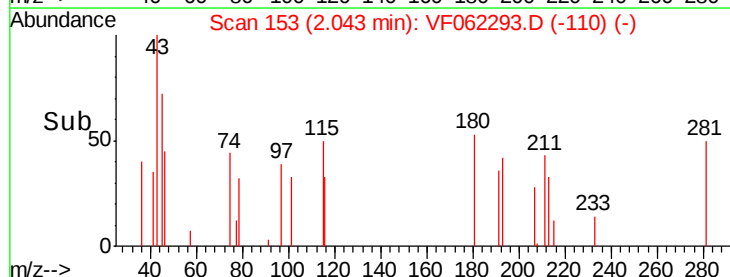
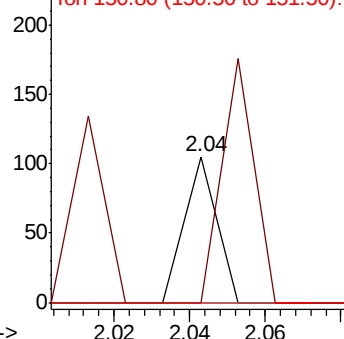
101 100

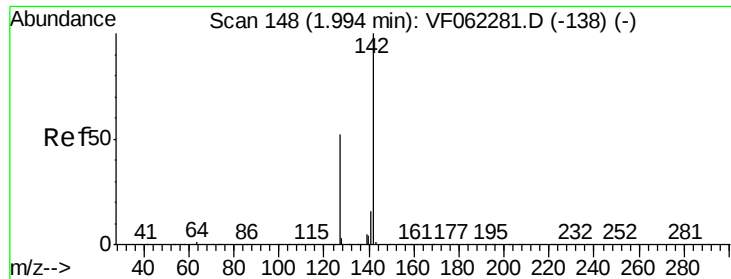
85 167.7 36.5 54.7#

151 0.0 59.2 88.8#



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VF0
Ion 150.80 (150.50 to 151.50): V

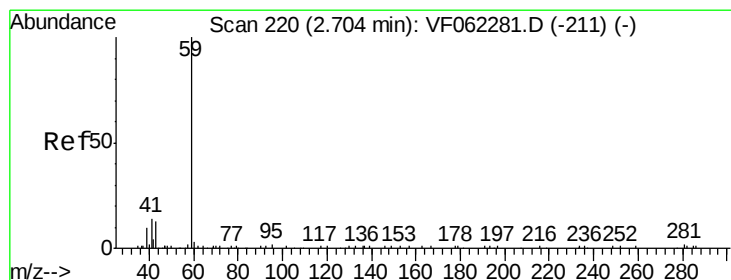
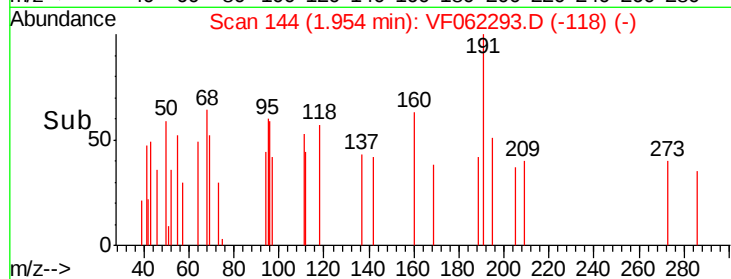
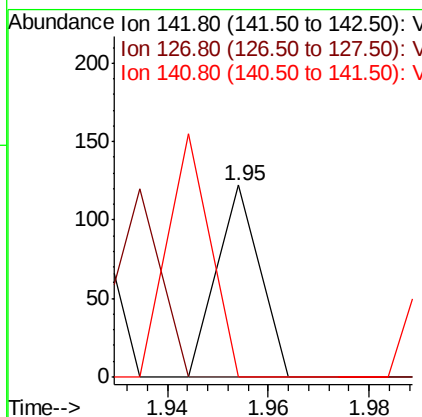
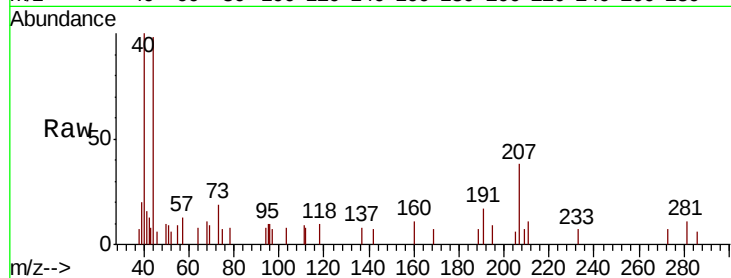




#10
Methyl Iodide
Concen: 4.309 ug/l
RT: 1.95 min Scan# 144
Delta R.T. -0.04 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

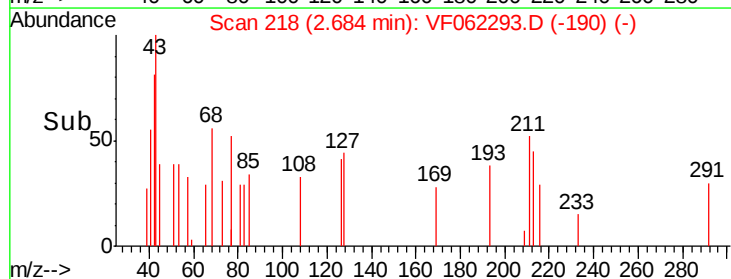
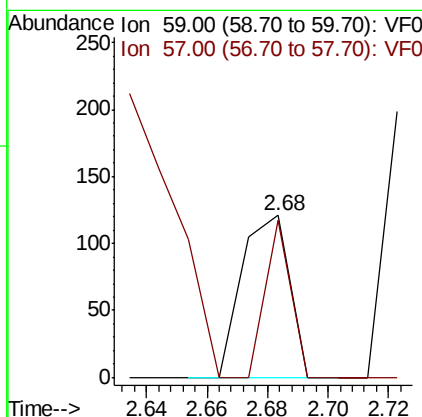
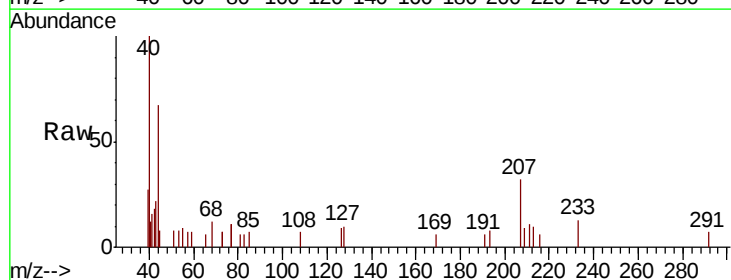
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

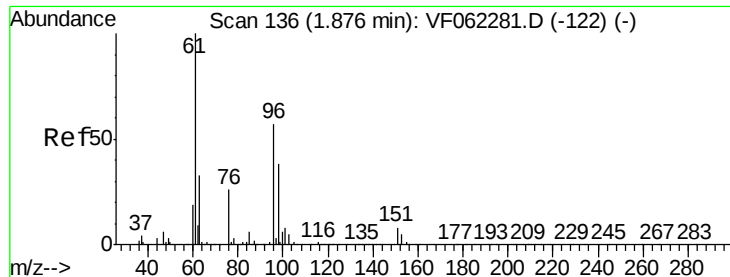
Tot Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 98.6 43.0 64.4#
141 127.8 12.3 18.5#



#11
Tert butyl alcohol
Concen: 270.501 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 51.5 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 27.083 ug/l

RT: 1.86 min Scan# 134

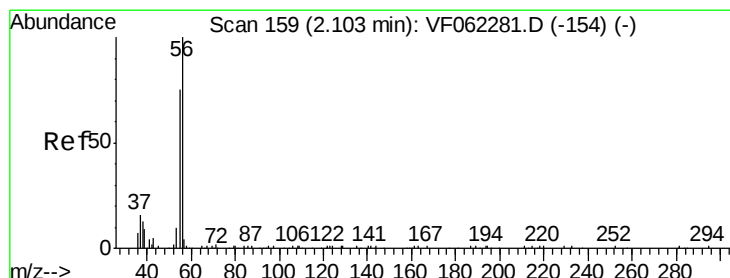
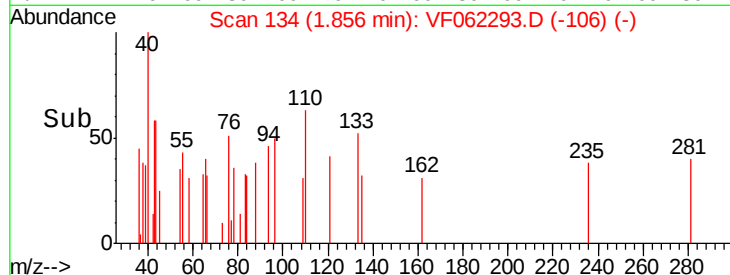
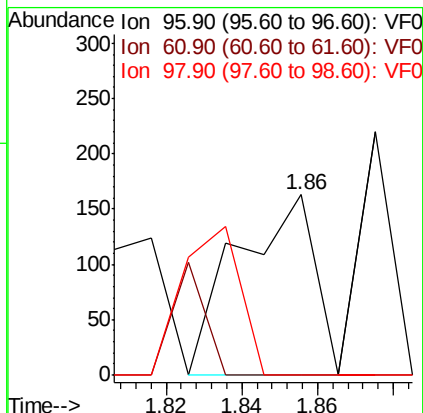
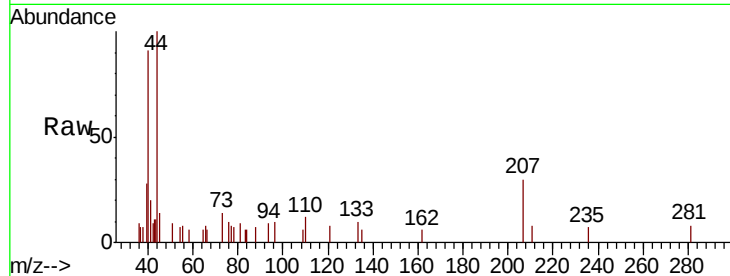
Delta R.T. -0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:	96	Resp:	231
Ion	Ratio	Lower	Upper
96	100		
61	0.0	141.1	211.7#
98	0.0	53.4	80.0#



#13

Acrolein

Concen: 1197.121 ug/l

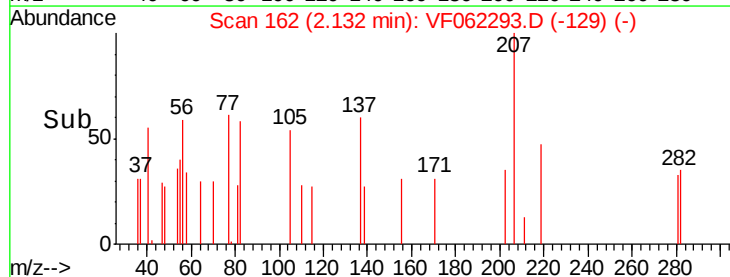
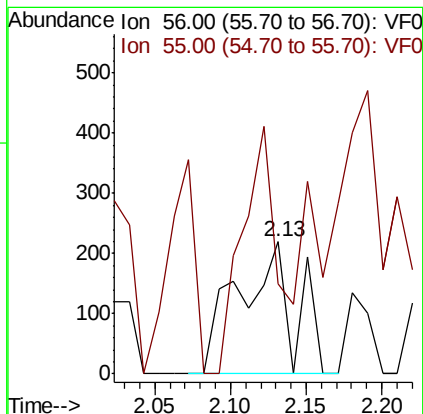
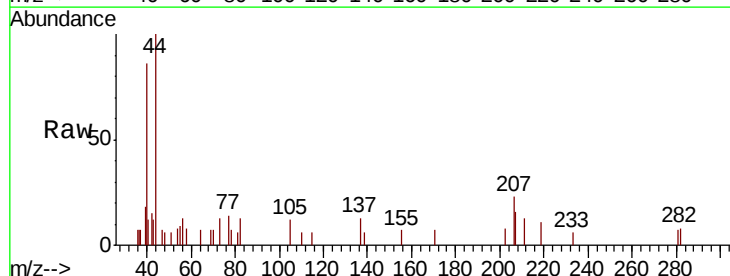
RT: 2.13 min Scan# 162

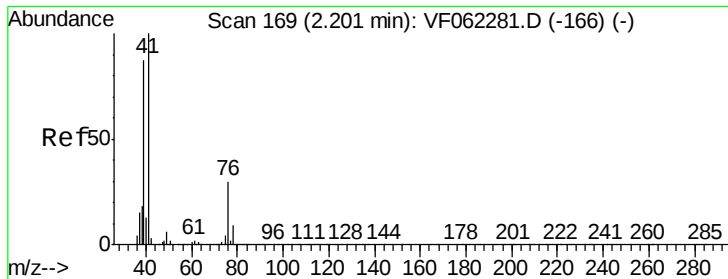
Delta R.T. 0.03 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion:	56	Resp:	571
Ion	Ratio	Lower	Upper
56	100		
55	117.5	62.3	93.5#





#14

Allvl chloride

Concen: 70.671 ug/l

RT: 2.15 min Scan# 164

Delta R.T. -0.05 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

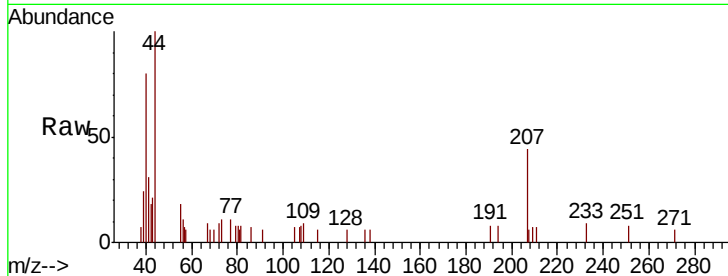
Tot Ion: 41 Resp: 656

Ion Ratio Lower Upper

41 100

39 102.1 50.3 75.5#

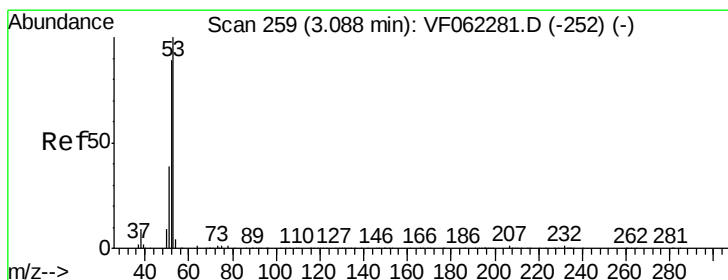
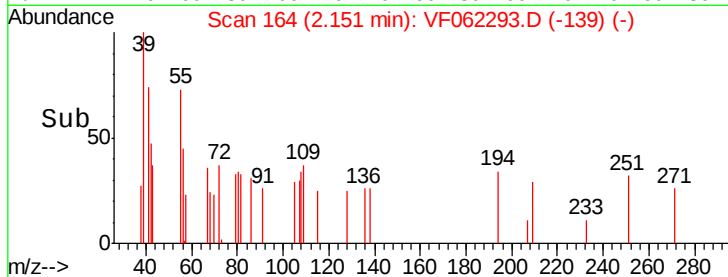
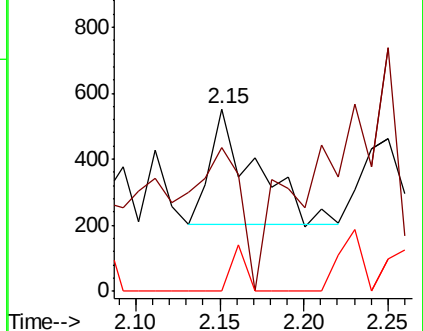
76 12.7 14.8 22.2#



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



#15

Acrylonitrile

Concen: 53.206 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

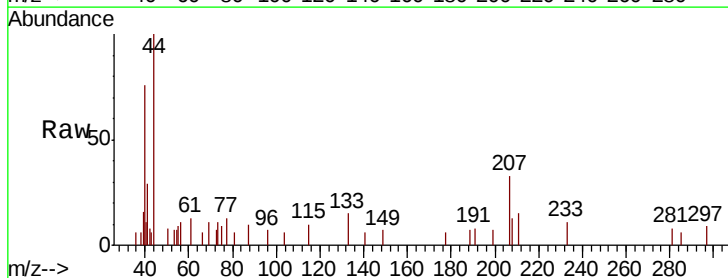
Tgt Ion: 53 Resp: 73

Ion Ratio Lower Upper

53 100

52 0.0 70.6 105.8#

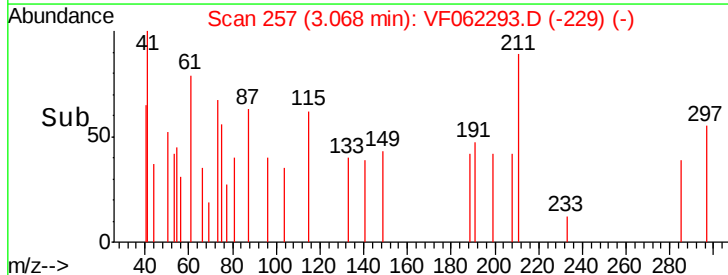
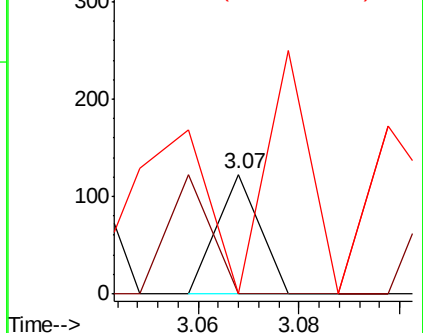
51 202.7 32.6 48.8#

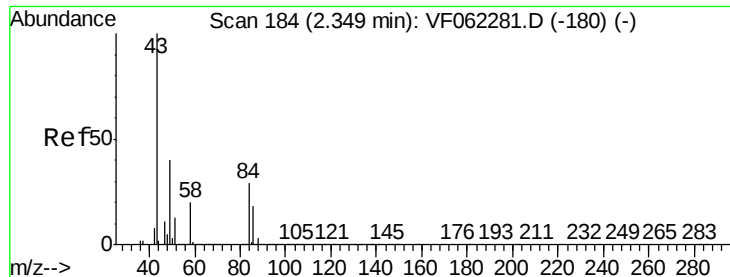


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

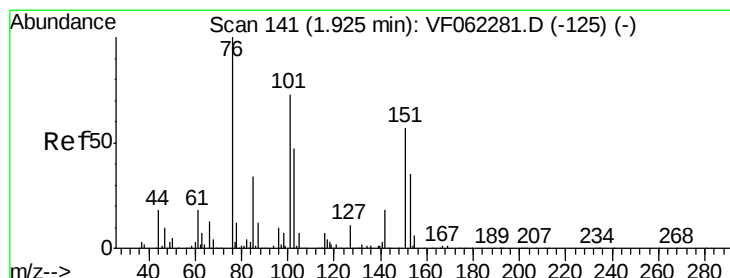
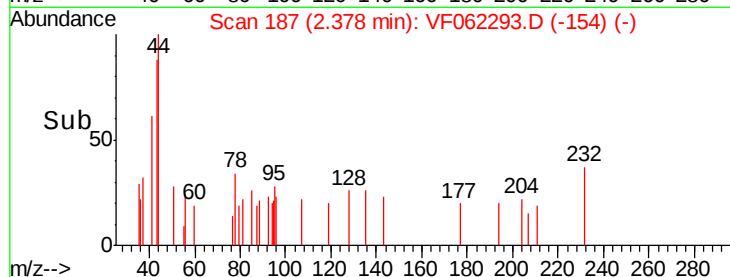
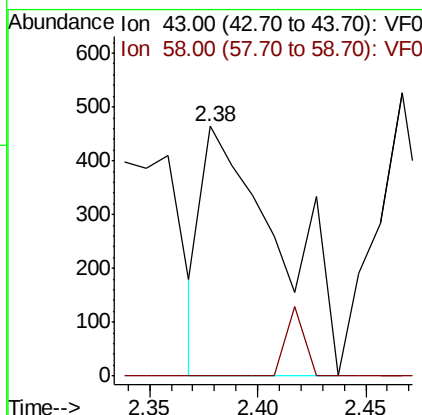
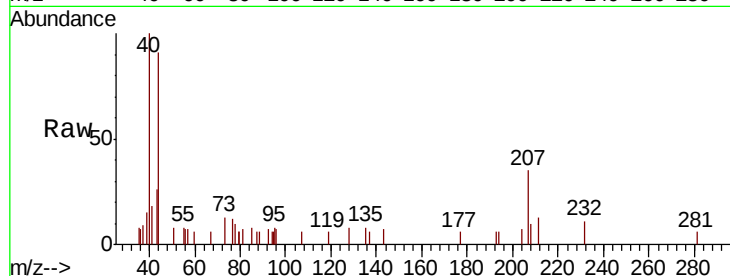




#16
Acetone
Concen: 626.658 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.03 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

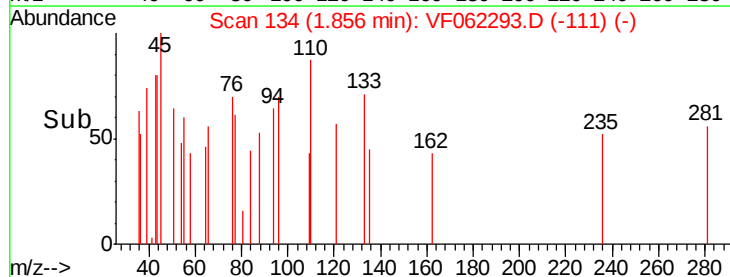
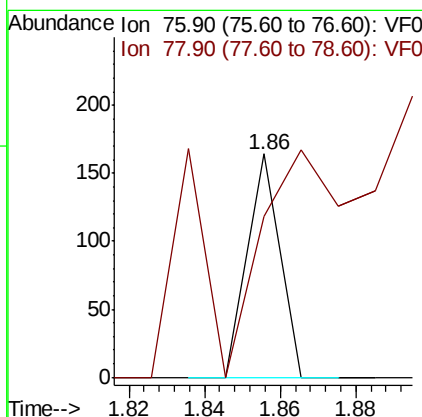
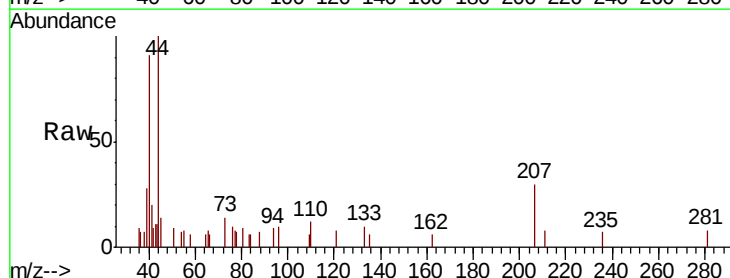
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

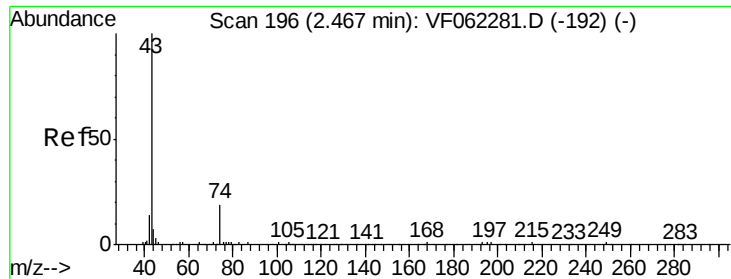
Tot Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 0.0 16.4 24.6#



#17
Carbon Disulfide
Concen: 4.321 ug/l
RT: 1.86 min Scan# 134
Delta R.T. -0.07 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 76 Resp: 97
Ion Ratio Lower Upper
76 100
78 0.0 9.8 14.8#

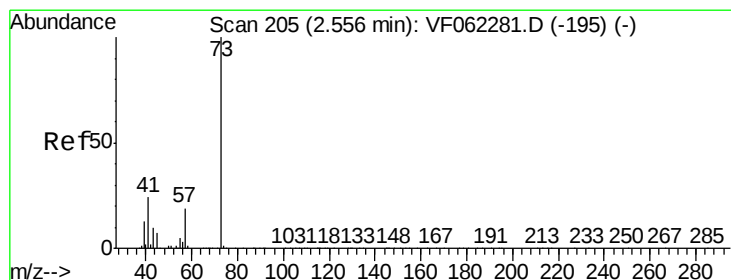
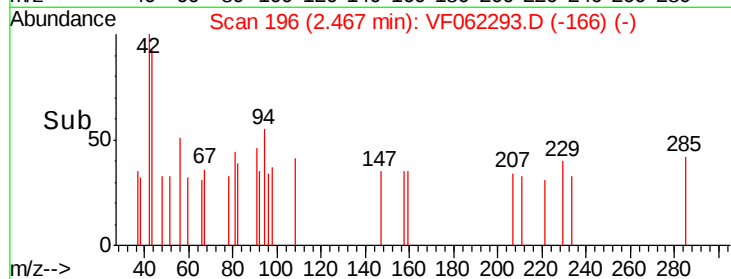
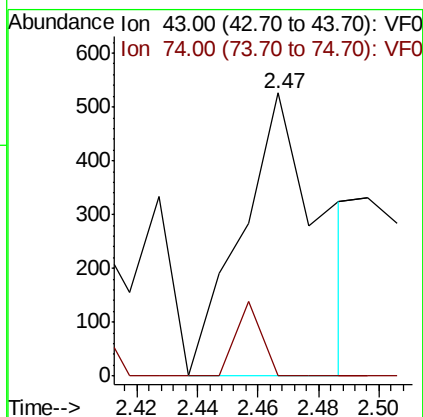
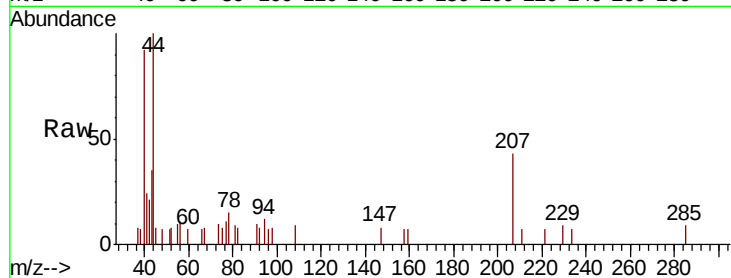




#18
Methyl Acetate
Concen: 292.261 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

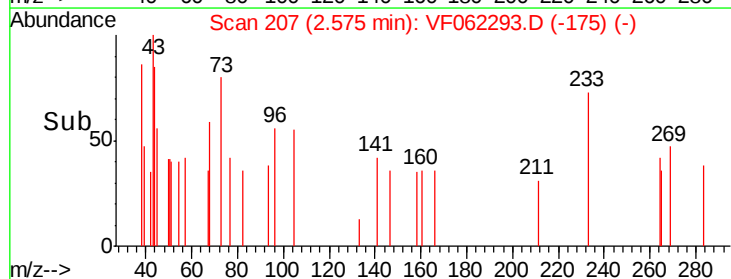
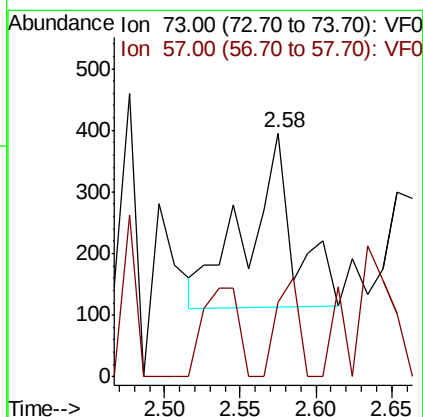
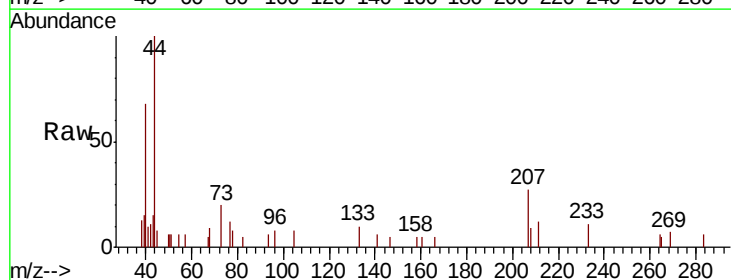
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

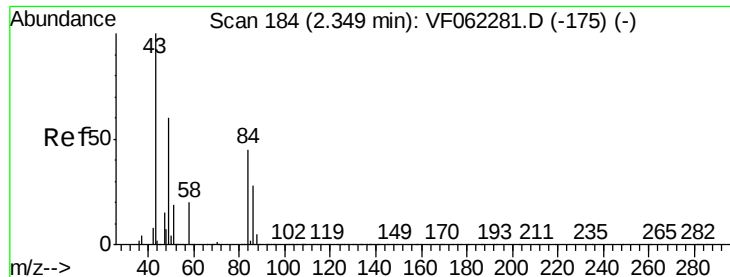
Tot Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
74 8.7 14.4 21.6#



#19
Methyl tert-butyl Ether
Concen: 37.945 ug/l
RT: 2.58 min Scan# 207
Delta R.T. 0.02 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 73 Resp: 617
Ion Ratio Lower Upper
73 100
57 43.4 15.5 23.3#

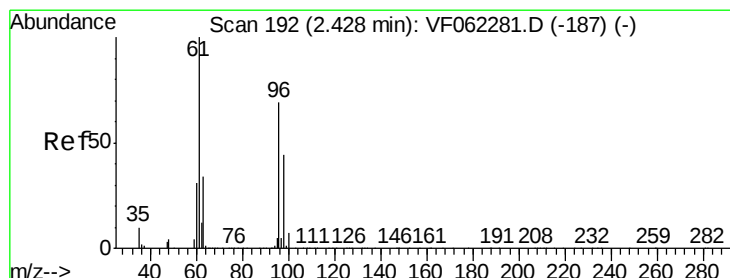
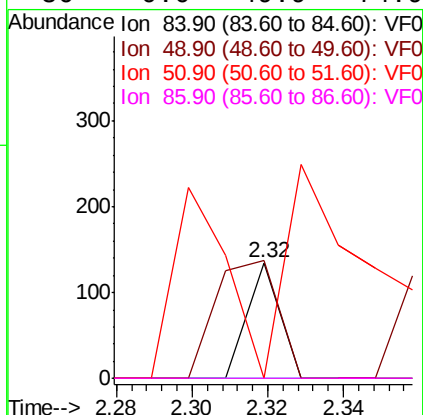
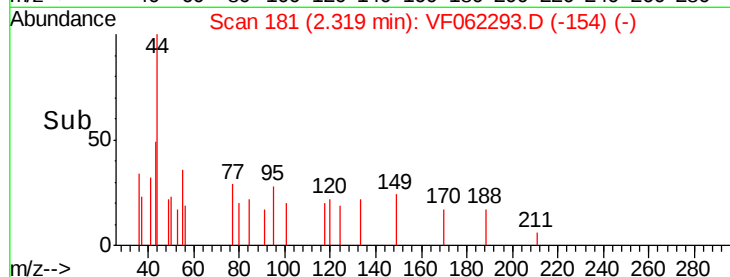
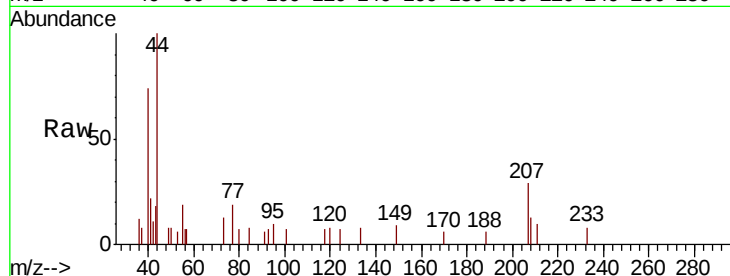




#20
Methvlene Chloride
Concen: 5.526 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

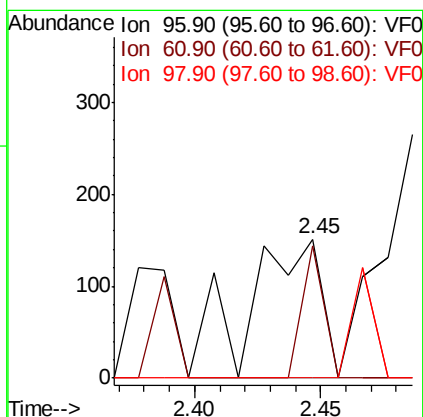
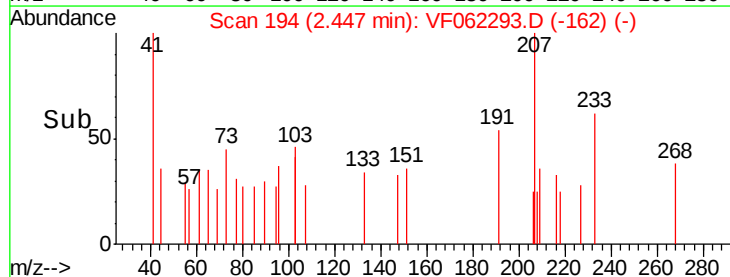
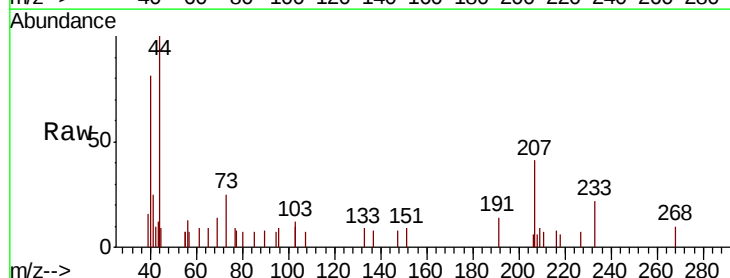
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

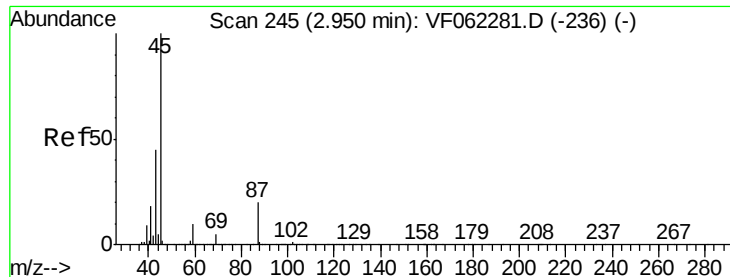
Tot Ion: 84 Resp: 80
Ion Ratio Lower Upper
84 100
49 102.2 112.1 168.1#
51 0.0 35.9 53.9#
86 0.0 49.9 74.9#



#21
trans-1,2-Dichloroethene
Concen: 36.659 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.02 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 96 Resp: 309
Ion Ratio Lower Upper
96 100
61 95.4 116.2 174.2#
98 0.0 51.4 77.0#





#22

Diisopropyl ether

Concen: 7.443 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

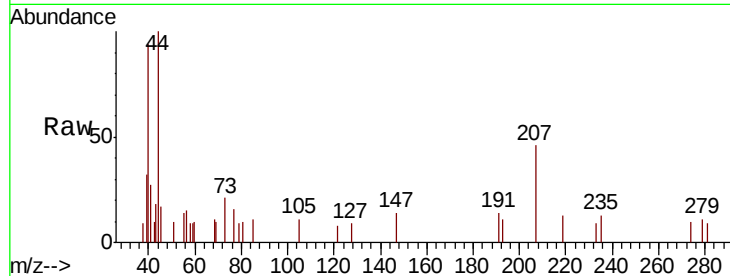
Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

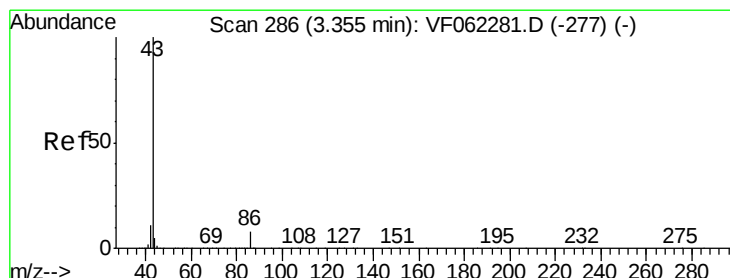
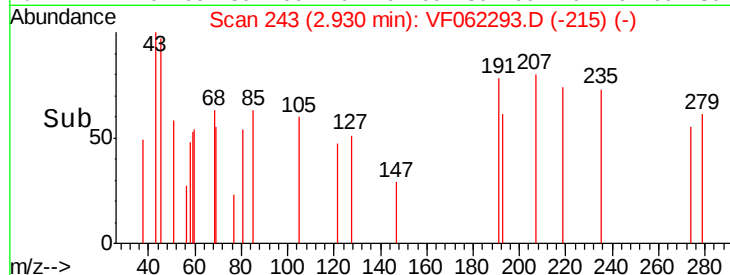
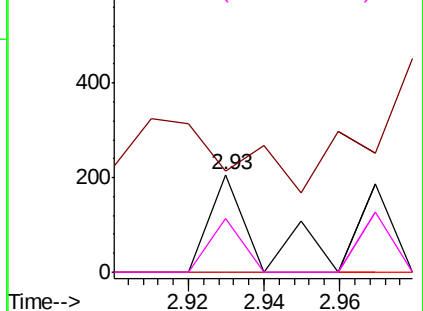
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion: 45 Resp: 186

Ion	Ratio	Lower	Upper
45	100		
43	0.0	36.2	54.2#
87	0.0	15.8	23.6#
59	54.9	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: 88.348 ug/l

RT: 3.36 min Scan# 287

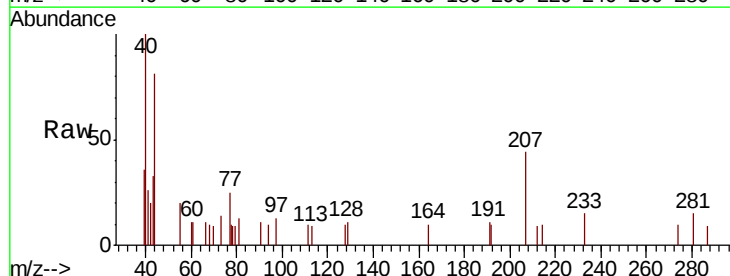
Delta R.T. 0.01 min

Lab File: VF062293.D

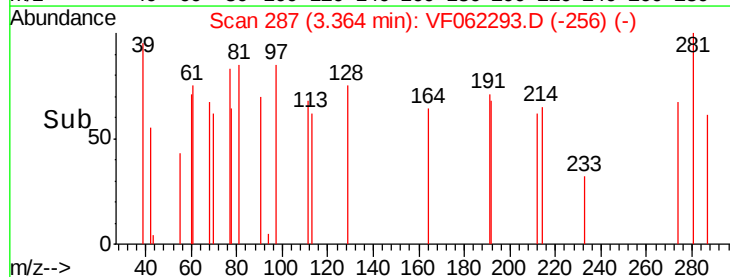
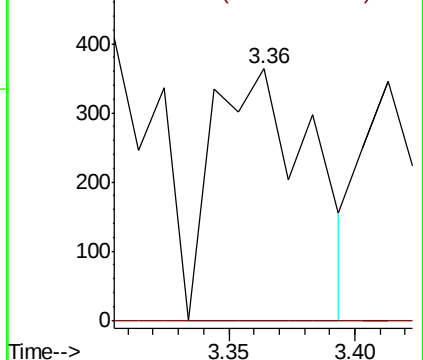
Acq: 25 Apr 2019 15:46

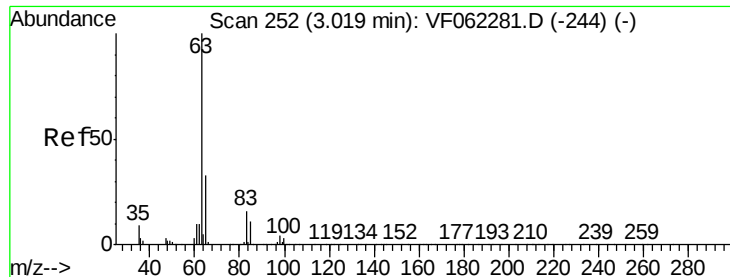
Tgt Ion: 43 Resp: 979

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 4.838 ug/l

RT: 3.02 min Scan# 252

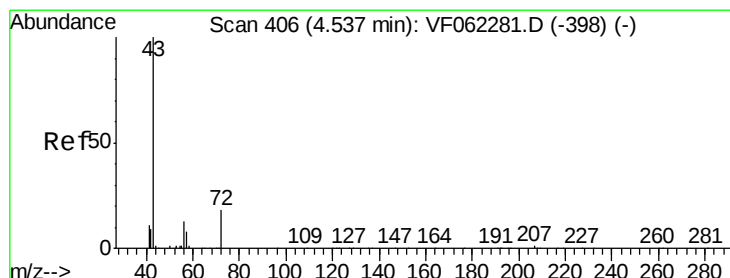
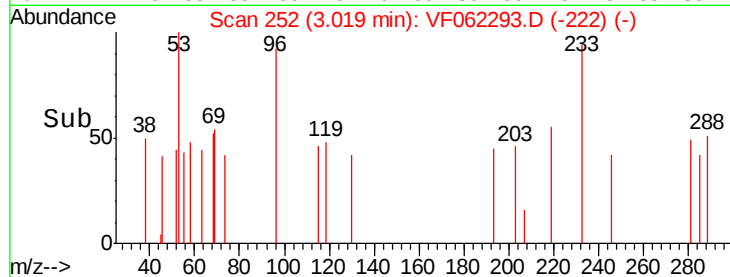
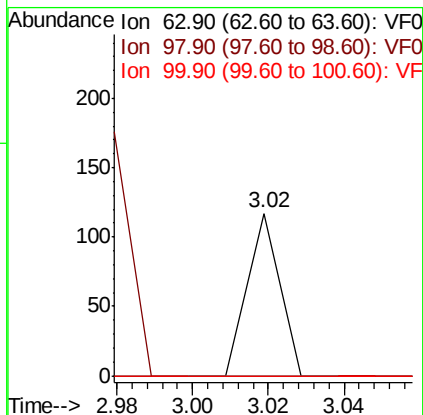
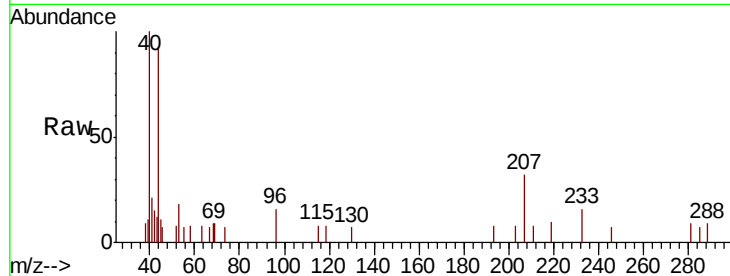
Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:	63	Resp:	69
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.2#
100	0.0	1.5	4.5#



#25

2-Butanone

Concen: 111.100 ug/l

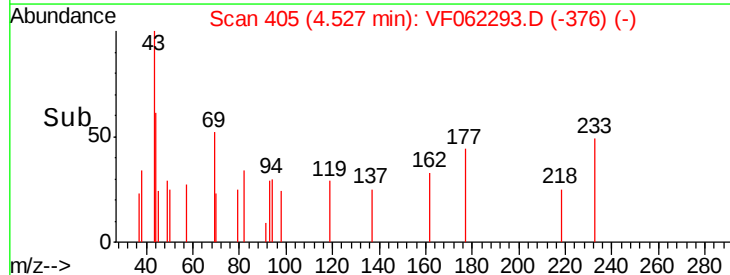
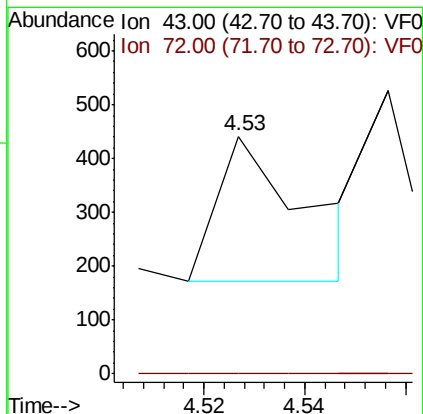
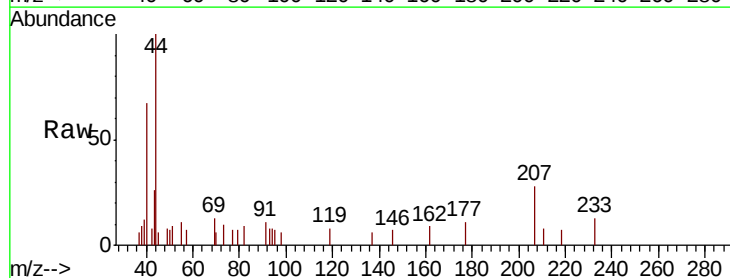
RT: 4.53 min Scan# 405

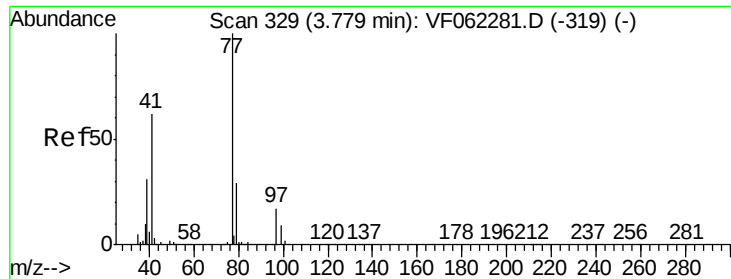
Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion:	43	Resp:	323
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.8	23.6#





#26

2,2-Dichloropropane

Concen: 48.875 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

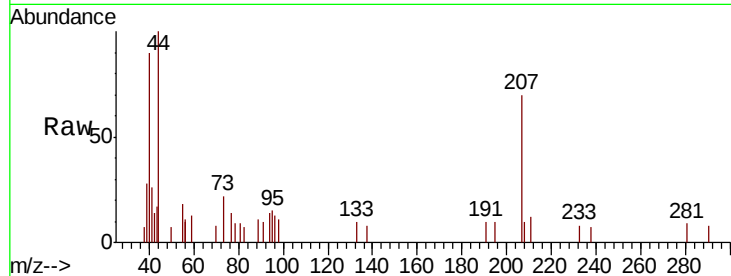
SU-03-042419-BRE

Tot Ion: 77 Resp: 362

Ion Ratio Lower Upper

77 100

97 20.7 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

250

200

150

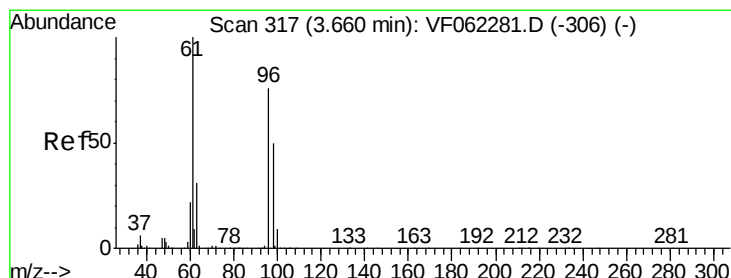
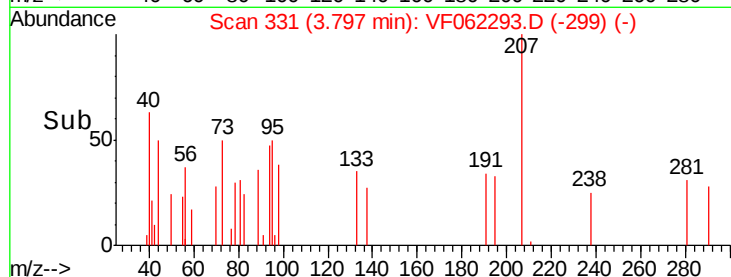
100

50

0

3.76 3.78 3.80 3.82

Time-->



#27

cis-1,2-Dichloroethene

Concen: 28.105 ug/l

RT: 3.66 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

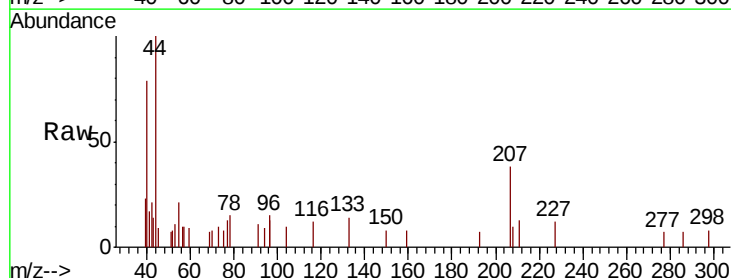
Tgt Ion: 96 Resp: 300

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

500

400

300

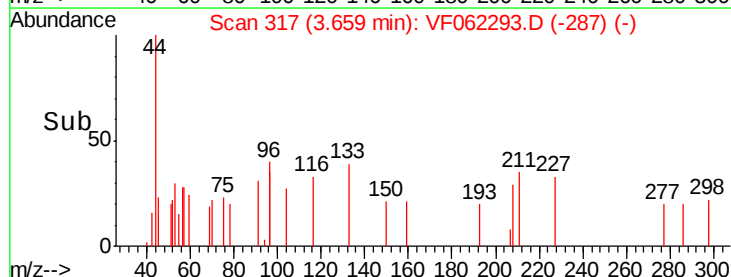
200

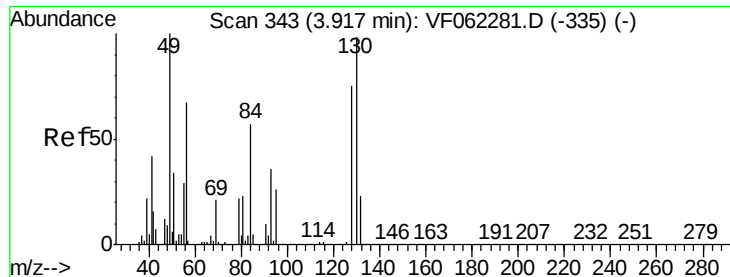
100

0

3.62 3.64 3.66 3.68

Time-->





#28

Bromochloromethane

Concen: 9.816 ug/l

RT: 3.91 min Scan# 342

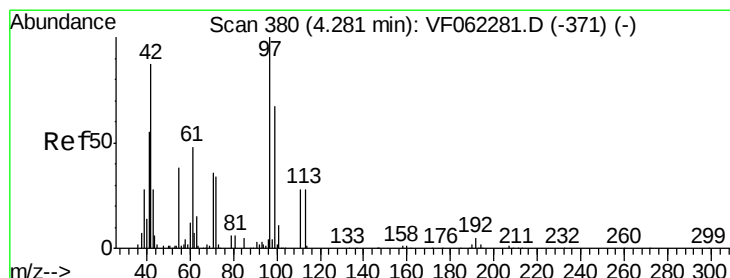
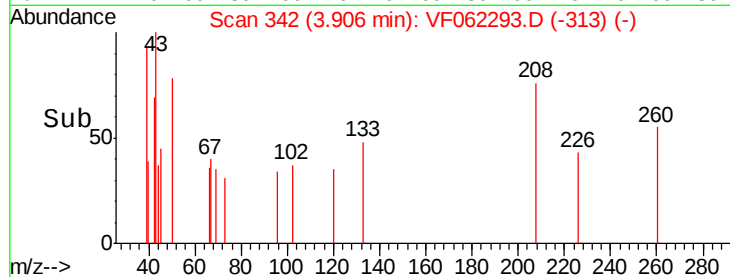
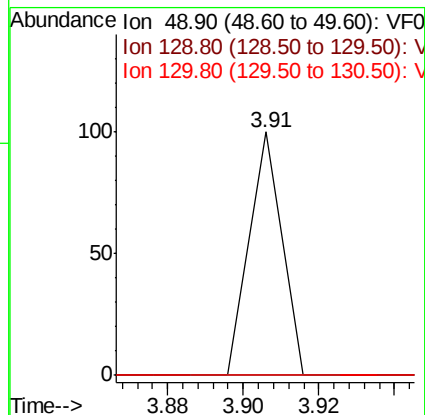
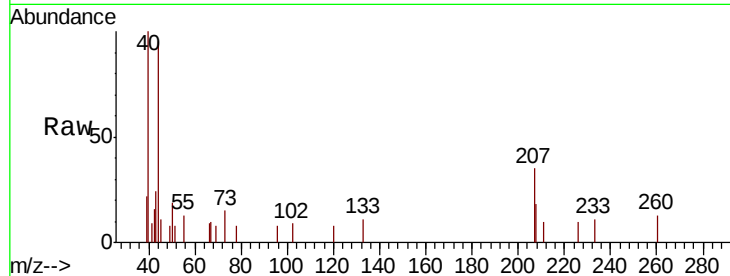
Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:	49	Resp:	59
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	77.0	115.4#



#29

Tetrahydrofuran

Concen: 684.959 ug/l

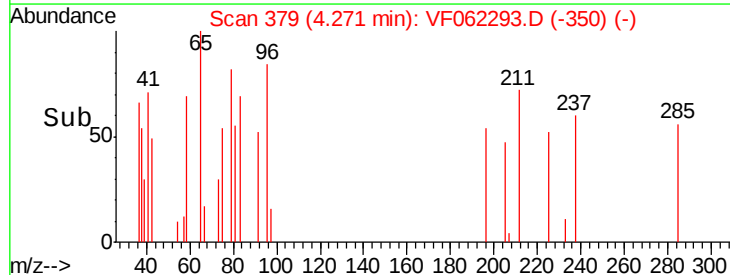
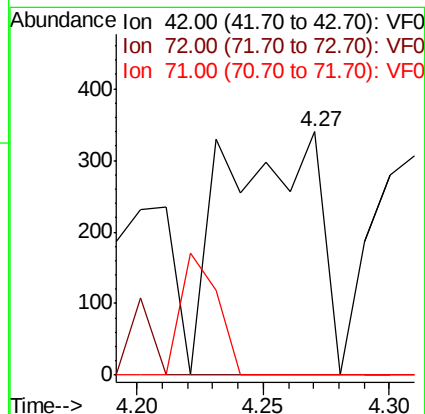
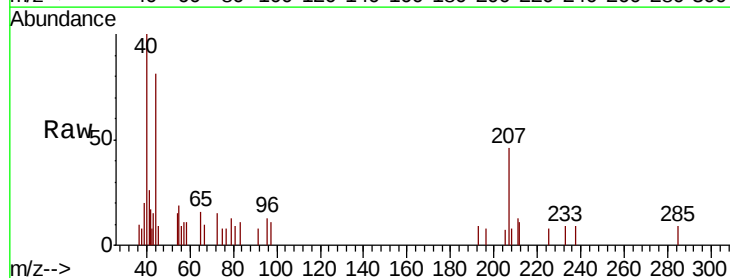
RT: 4.27 min Scan# 379

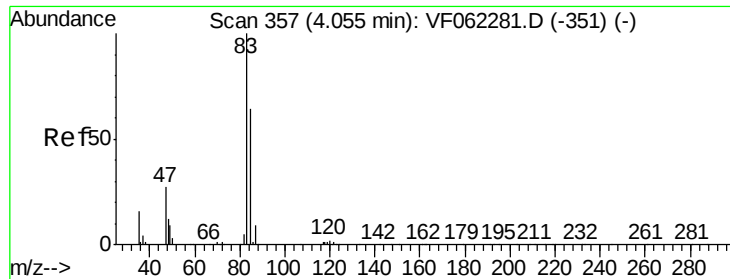
Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion:	42	Resp:	875
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.3	43.9#
71	0.0	31.2	46.8#

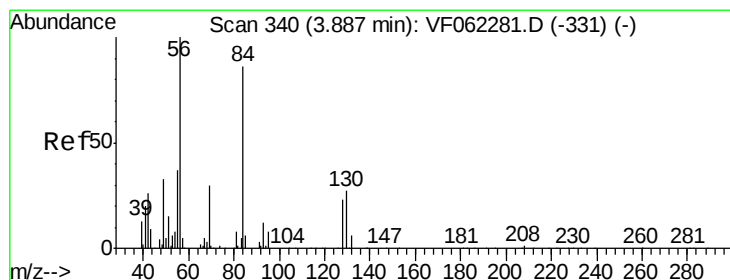
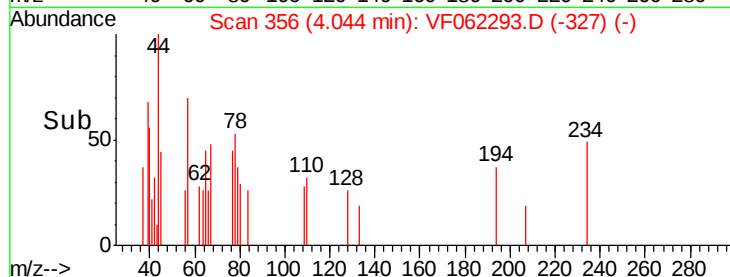
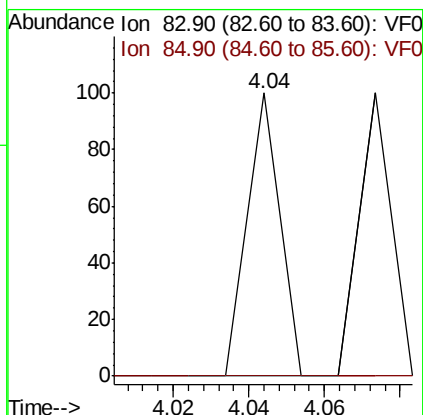
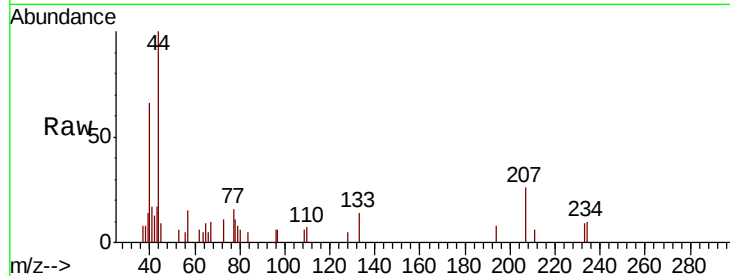




#30
Chloroform
Concen: 3.294 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

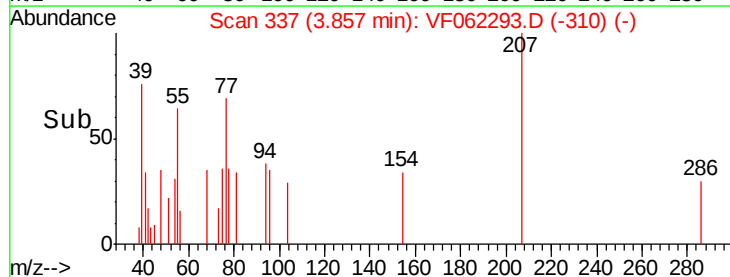
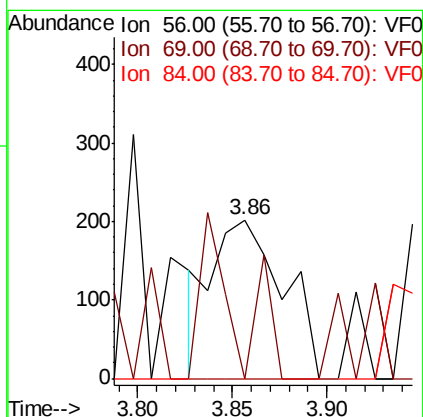
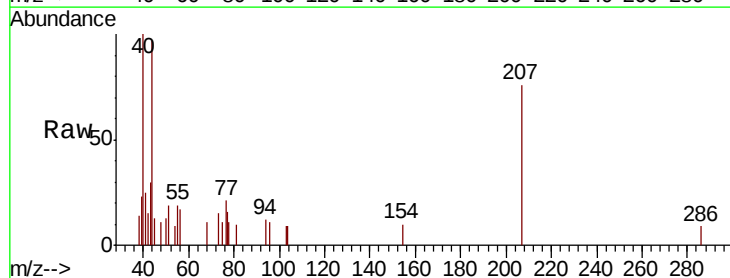
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

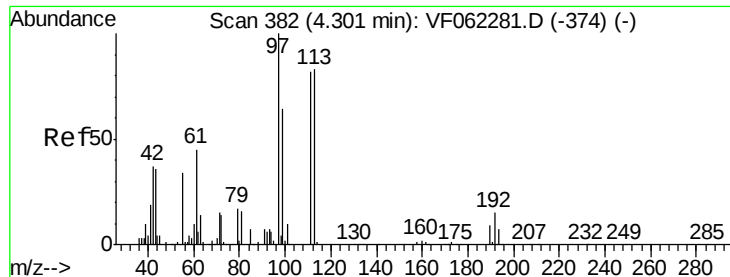
Tot Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#



#31
Cyclohexane
Concen: 38.979 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.03 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
69 0.0 24.3 36.5#
84 0.0 68.5 102.7#





#32

1,1,1-Trichloroethane

Concen: 27.593 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.05 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

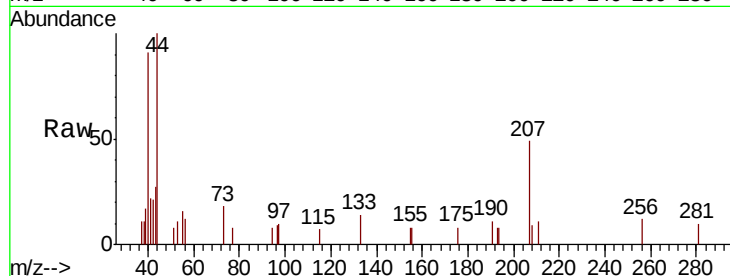
Tot Ion: 97 Resp: 388

Ion Ratio Lower Upper

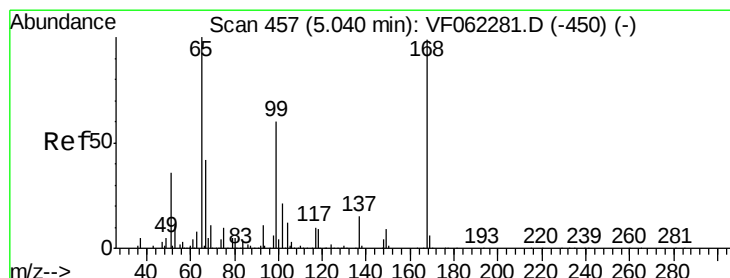
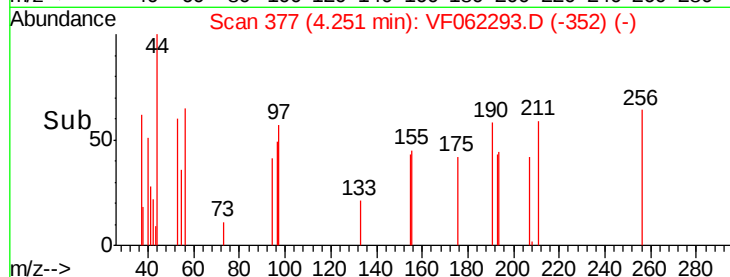
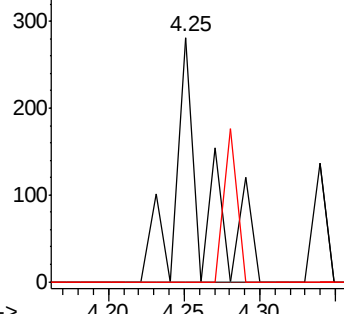
97 100

99 0.0 41.6 62.4#

61 0.0 31.6 47.4#



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



#33

1,2-Dichloroethane-d4

Concen: 8.670 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062293.D

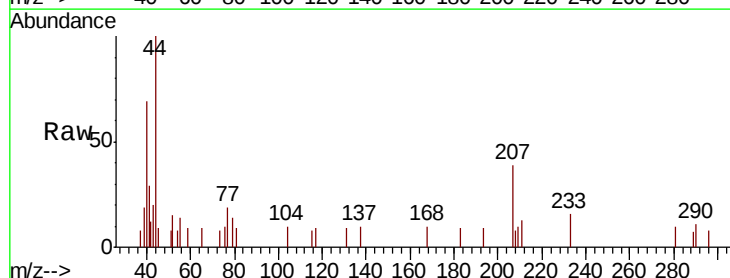
Acq: 25 Apr 2019 15:46

Tgt Ion: 65 Resp: 71

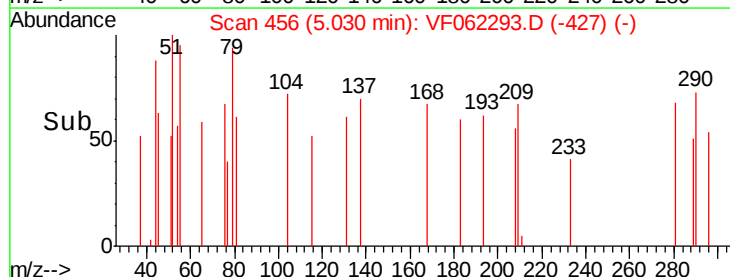
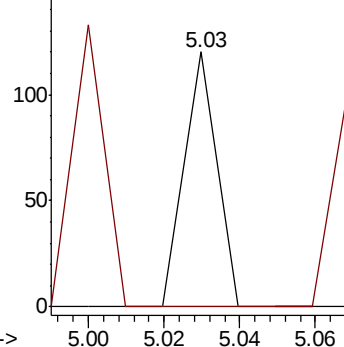
Ion Ratio Lower Upper

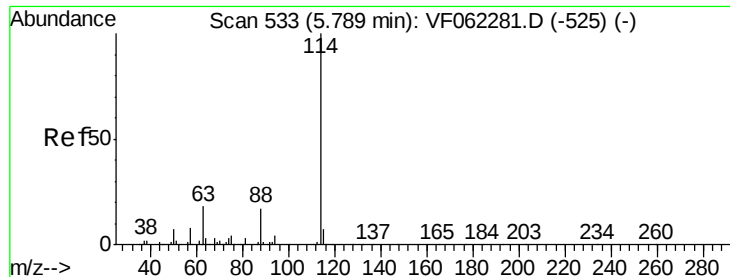
65 100

67 0.0 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: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

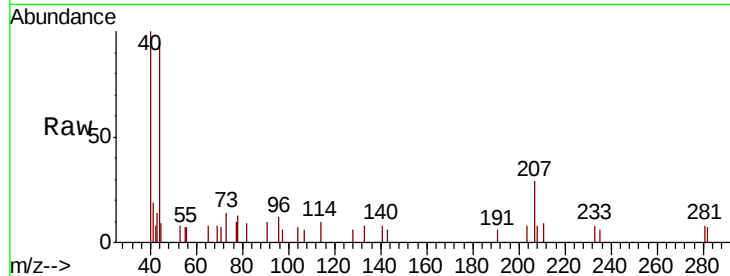
Tot Ion:114 Resp: 255

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.6

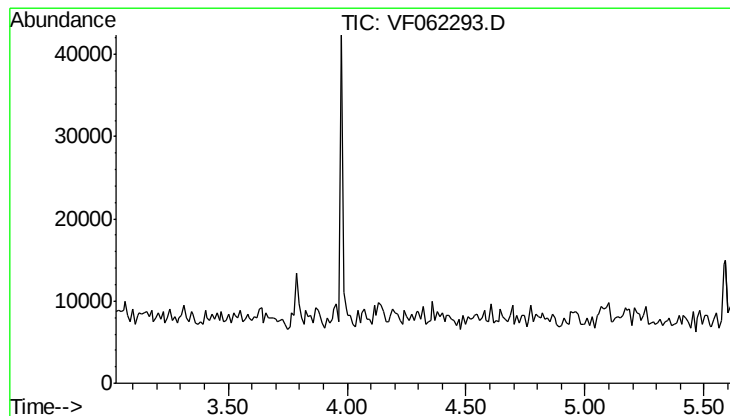
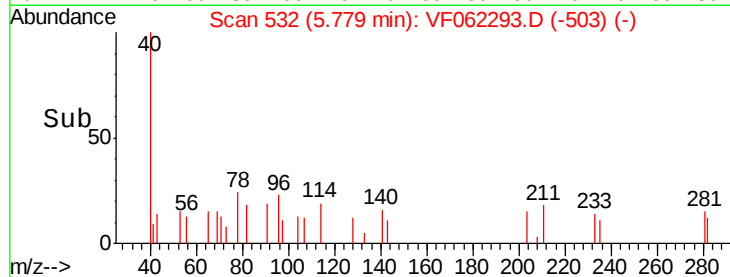
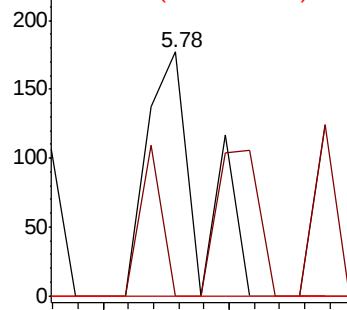
88 0.0 0.0 34.6



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: 0.000 ug/l

Expected RT: 4.32 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

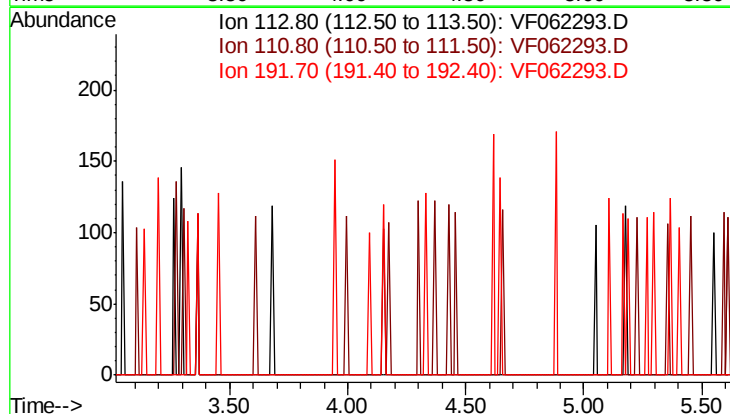
Tgt Ion: 113

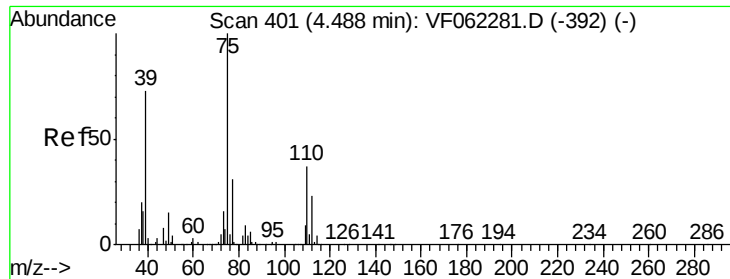
Sig Exp Ratio

113 100

111 101.8

192 21.2





#36

1,1-Dichloropropene

Concen: 29.755 ug/l

RT: 4.49 min Scan# 401

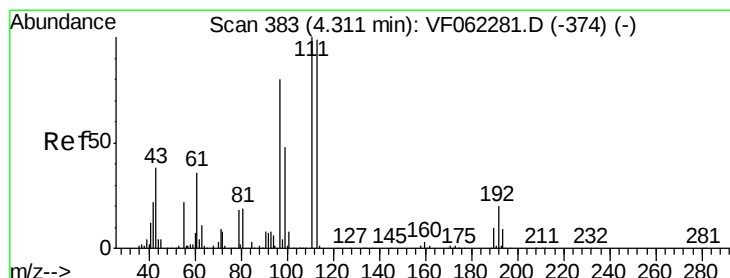
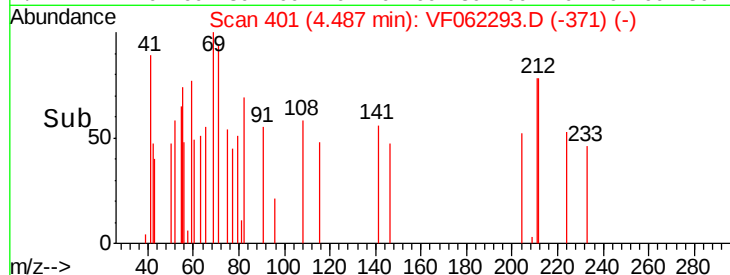
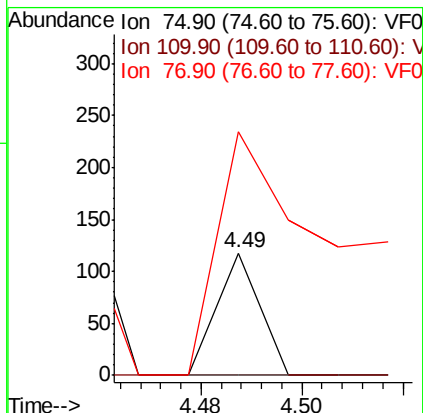
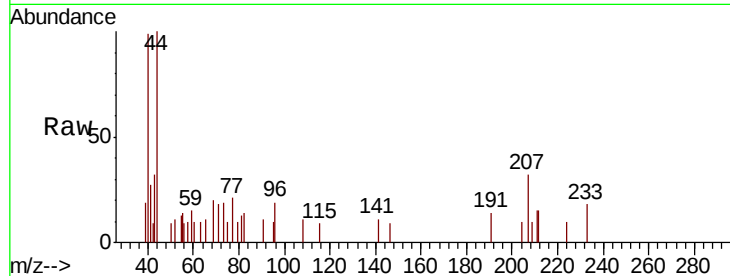
Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:	75	Resp:	70
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.8#
77	428.6	24.6	36.8#



#37

Ethyl Acetate

Concen: 631.483 ug/l

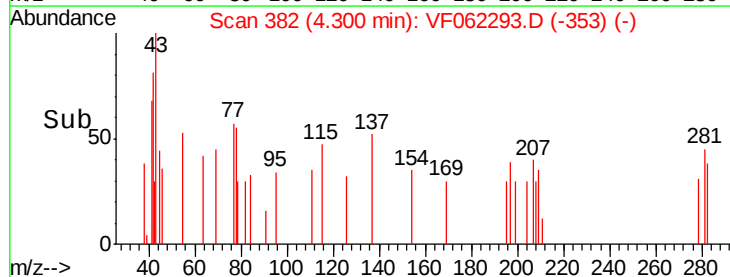
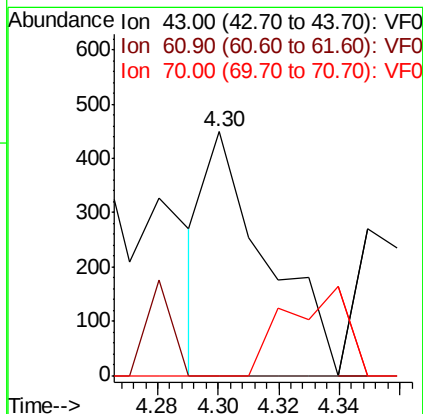
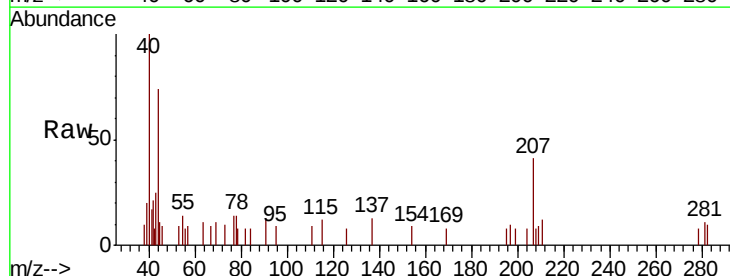
RT: 4.30 min Scan# 382

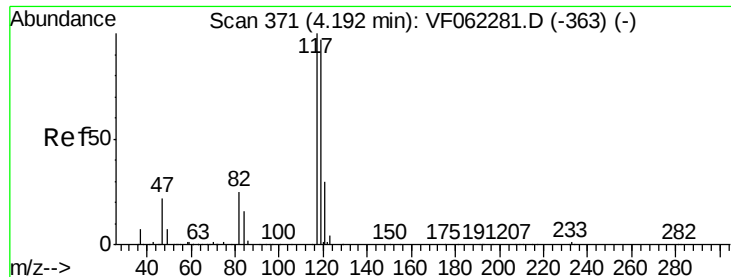
Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion:	43	Resp:	625
Ion	Ratio	Lower	Upper
43	100		
61	0.0	85.8	128.6#
70	0.0	7.3	10.9#





#38

Carbon Tetrachloride

Concen: 31.359 ug/l

RT: 4.11 min Scan# 363

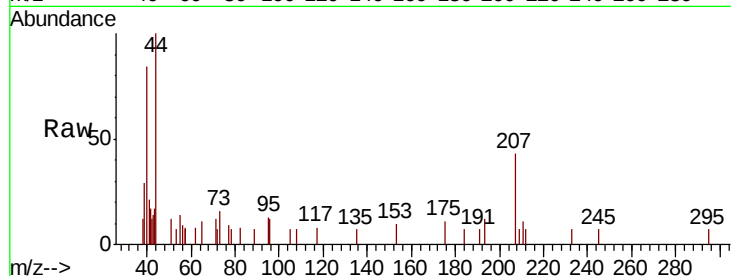
Delta R.T. -0.08 min

Lab File: VF062293.D

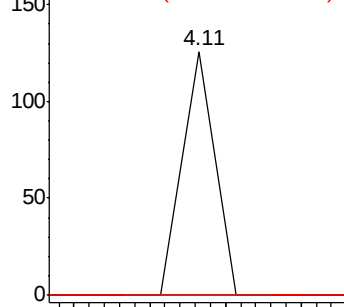
Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

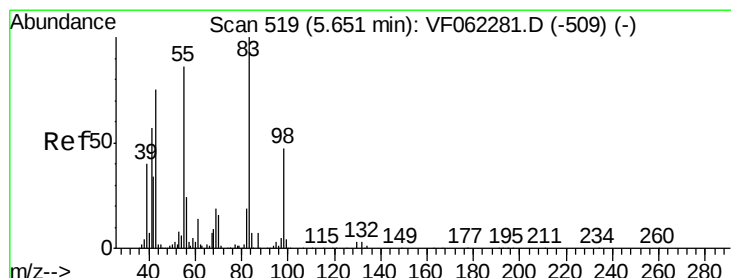
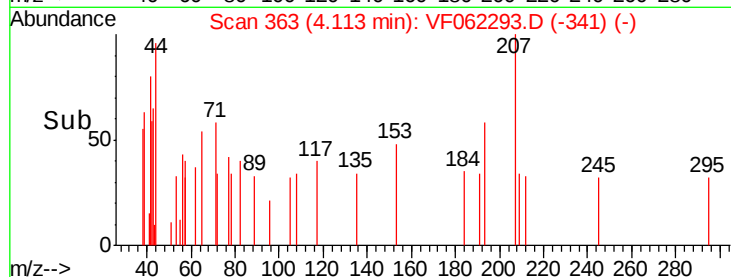
Tot Ion:	117	Resp:	75
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.3	115.9#
121	0.0	24.3	36.5#



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



Time-->



#39

Methylcyclohexane

Concen: 30.951 ug/l

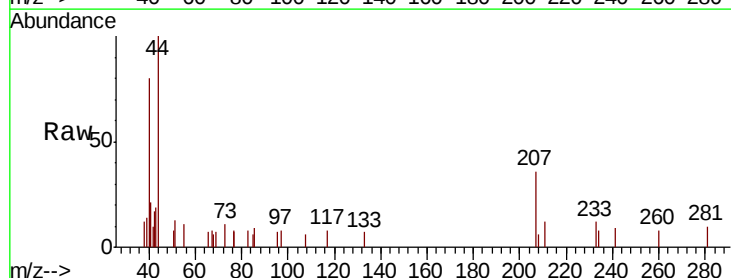
RT: 5.62 min Scan# 516

Delta R.T. -0.03 min

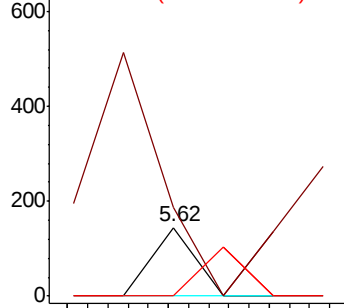
Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

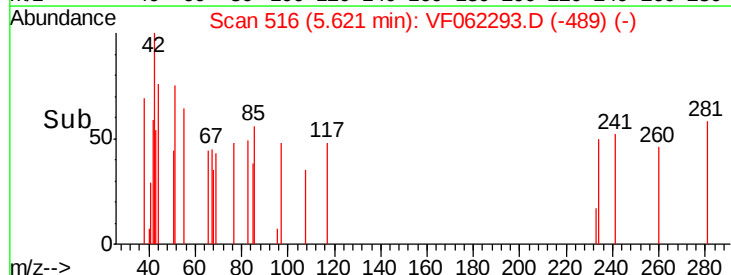
Tgt Ion:	83	Resp:	85
Ion	Ratio	Lower	Upper
83	100		
55	34.7	68.7	103.1#
98	0.0	37.4	56.2#

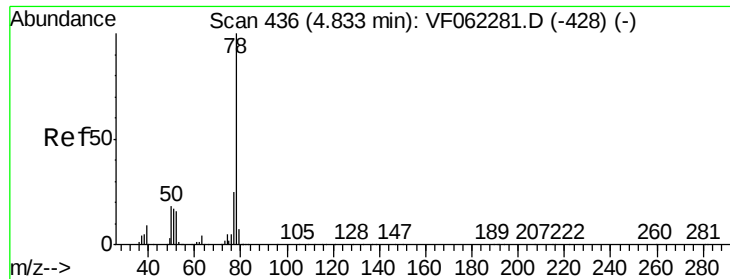


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



Time-->





#40

Benzene

Concen: 38.881 ug/l

RT: 4.83 min Scan# 436

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

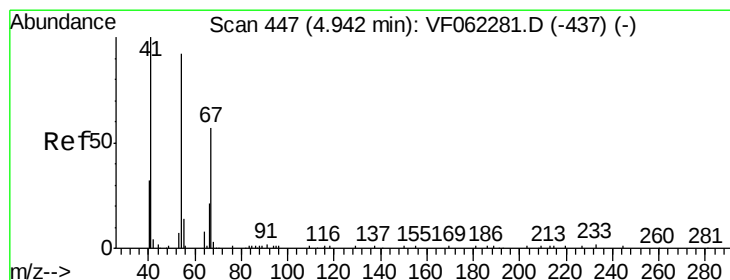
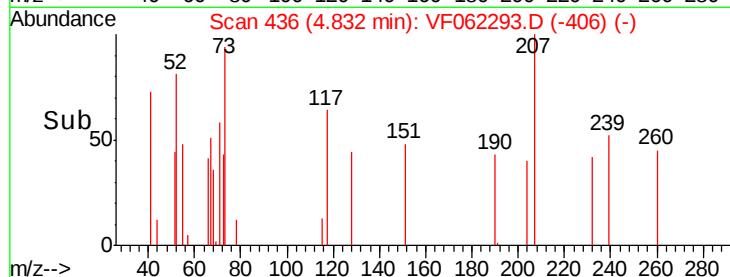
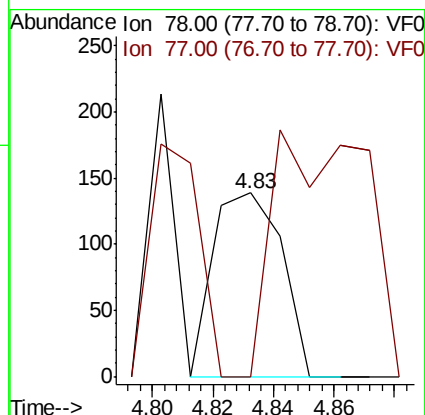
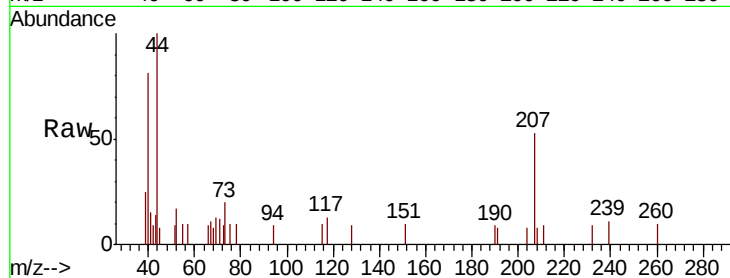
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion: 78 Resp: 221

Ion Ratio Lower Upper

78 100

77 0.0 19.7 29.5#



#41

Methacrylonitrile

Concen: 611.086 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion: 41 Resp: 336

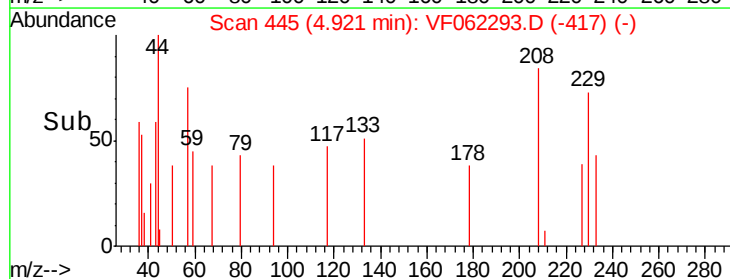
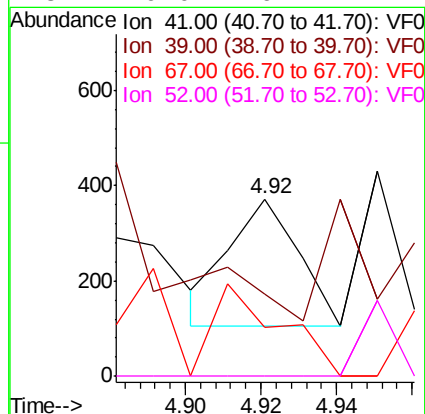
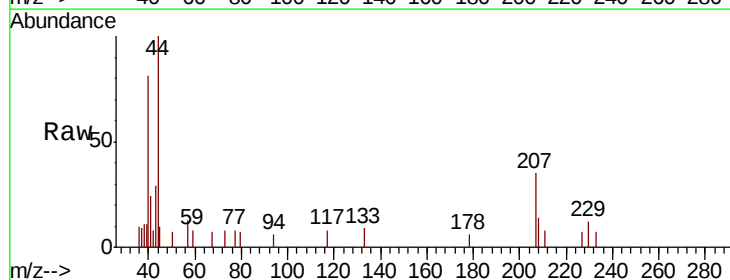
Ion Ratio Lower Upper

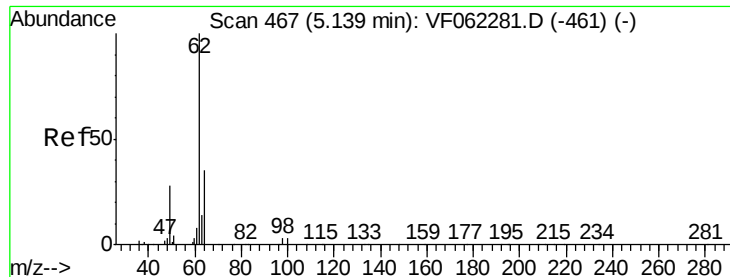
41 100

39 0.0 47.3 70.9#

67 71.4 41.3 61.9#

52 0.0 49.4 74.2#





#42

1,2-Dichloroethane

Concen: 34.986 ug/l

RT: 5.28 min Scan# 481

Delta R.T. 0.14 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

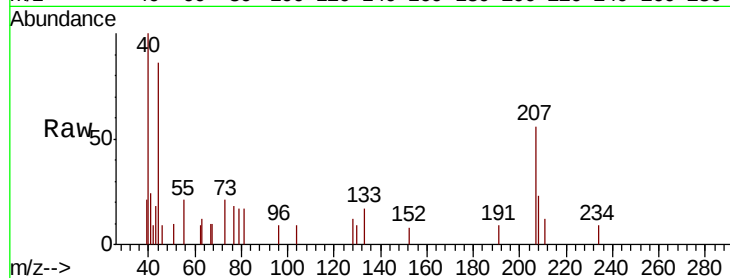
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion: 62 Resp: 63

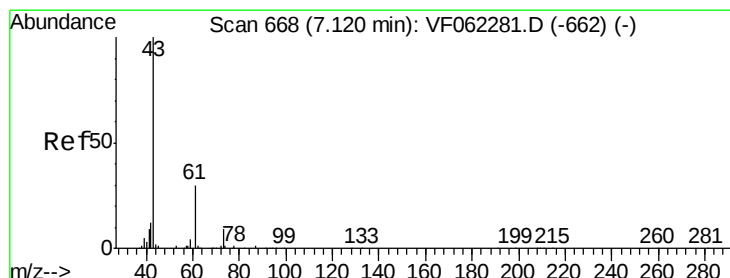
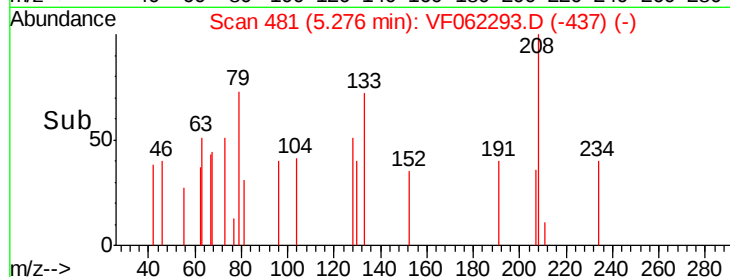
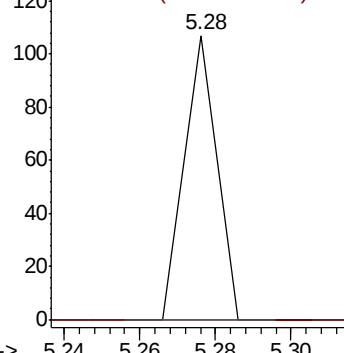
Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.8



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



#43

Isopropyl Acetate

Concen: 427.546 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

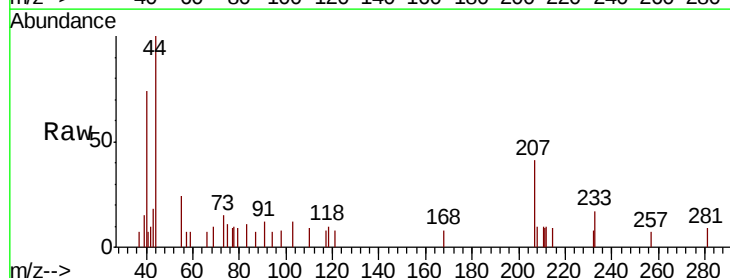
Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

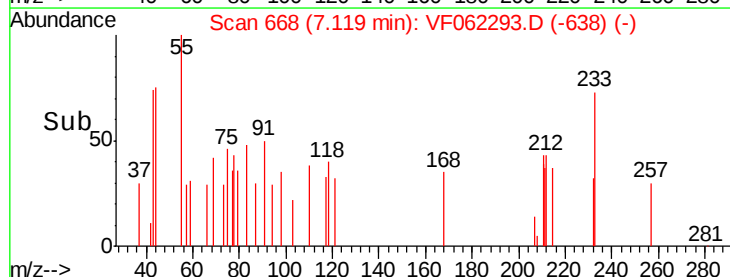
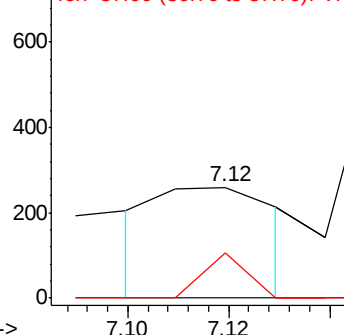
43 100

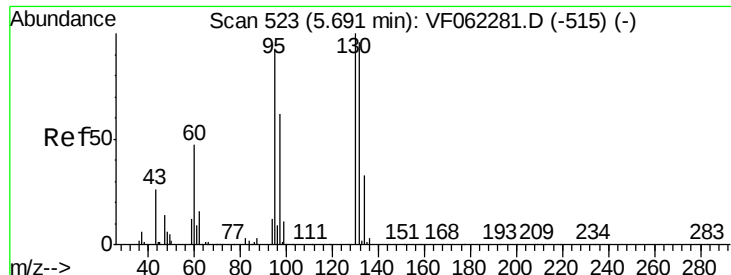
61 0.0 23.8 35.6#

87 14.4 0.5 0.7#



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

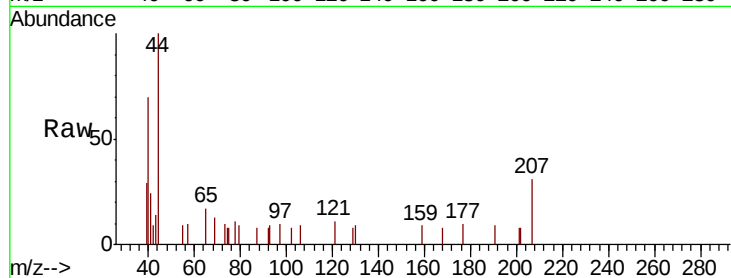




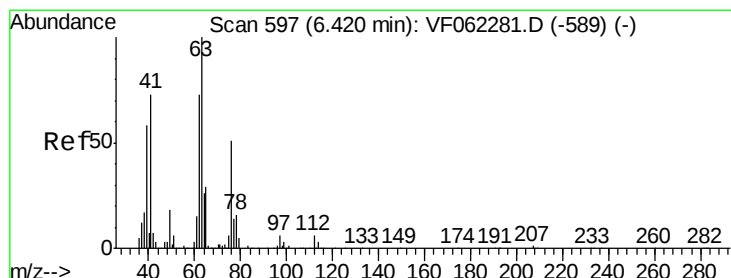
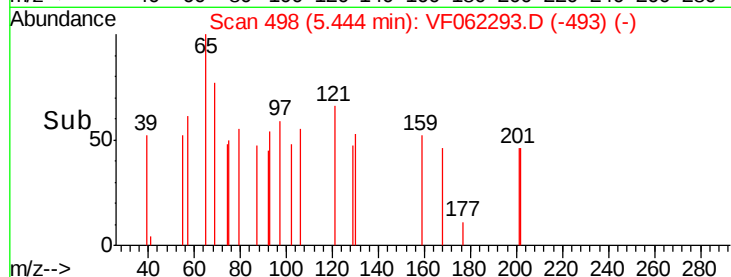
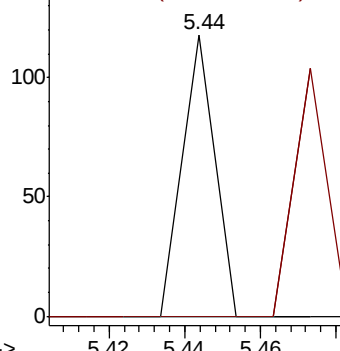
#44
 Trichloroethene
 Concen: 36.400 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. -0.25 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

Tot Ion:130 Resp: 70
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 186.4

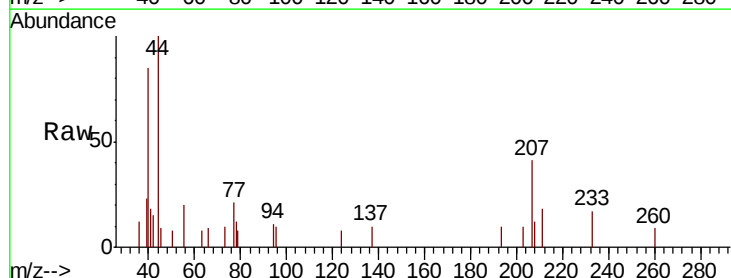


Abundance Ion 129.80 (129.50 to 130.50): VF0
 Ion 94.90 (94.60 to 95.60): VF0

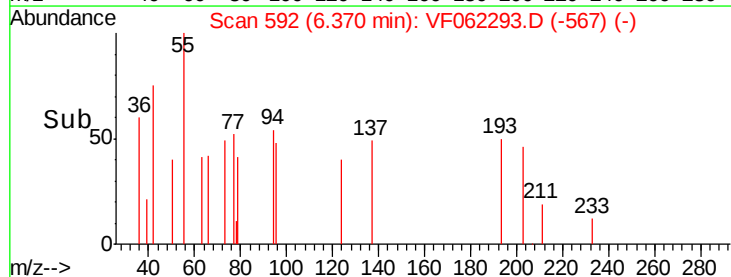
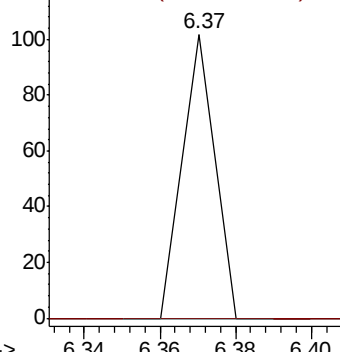


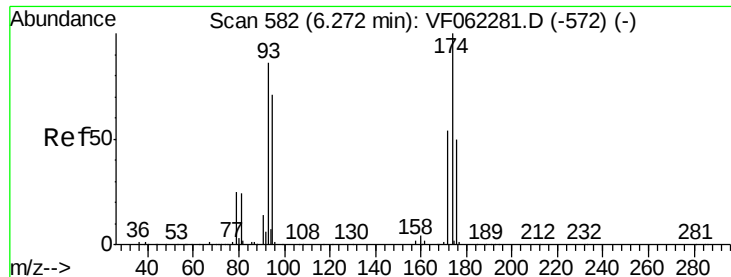
#45
 1,2-Dichloropropane
 Concen: 46.818 ug/l
 RT: 6.37 min Scan# 592
 Delta R.T. -0.05 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Tgt Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VF0
 Ion 64.90 (64.60 to 65.60): VF0





#46

Dibromomethane

Concen: 94.016 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.05 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

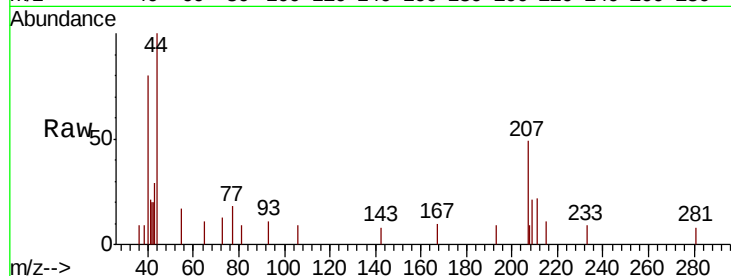
Tot Ion: 93 Resp: 87

Ion Ratio Lower Upper

93 100

95 79.3 66.2 99.4

174 0.0 94.9 142.3#

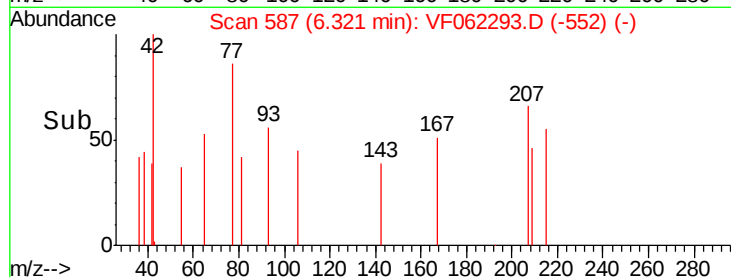


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

Time-->

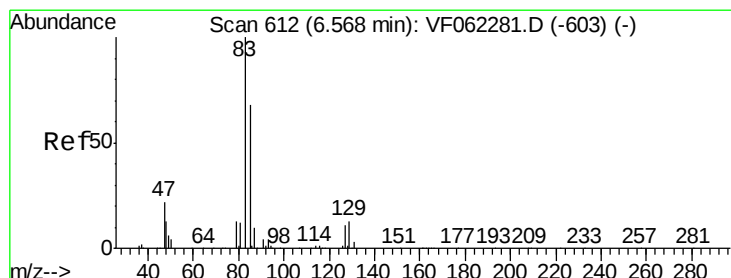


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

Time-->



#47

Bromodichloromethane

Concen: 28.960 ug/l

RT: 6.52 min Scan# 607

Delta R.T. -0.05 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

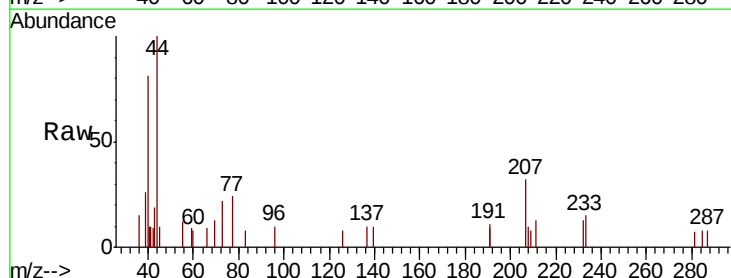
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

85 0.0 54.6 81.8#

127 0.0 8.7 13.1#

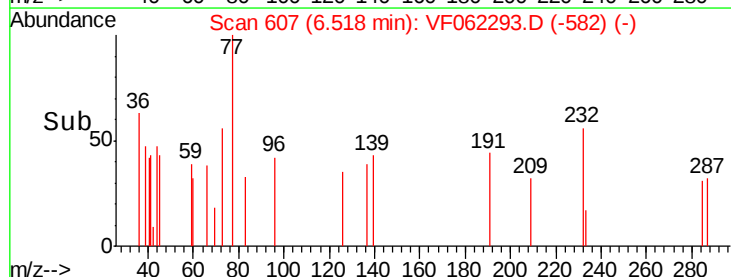


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

Time-->

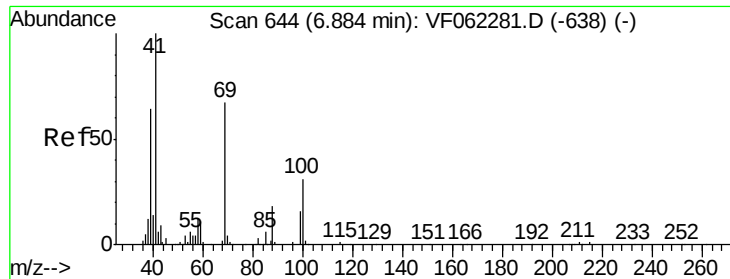


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

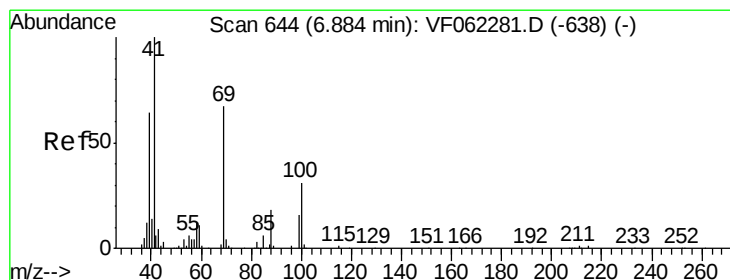
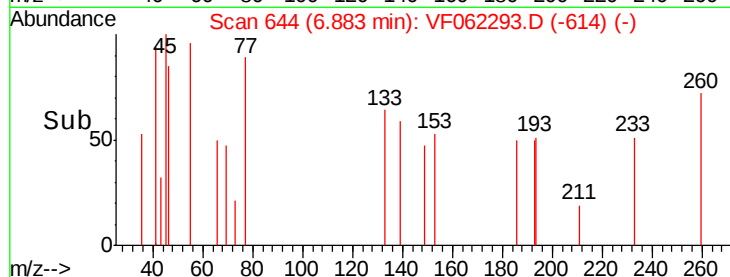
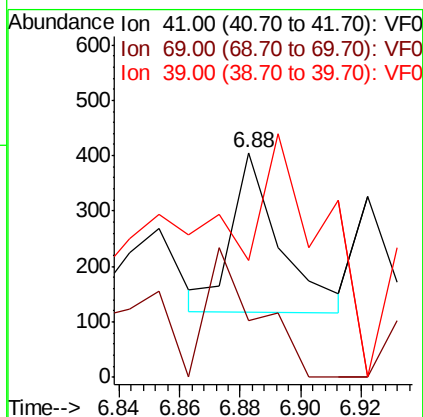
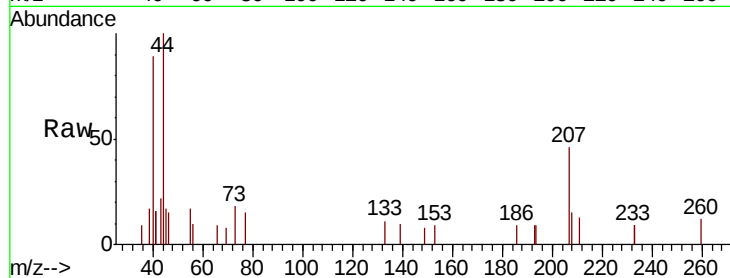
Time-->



#48
Methvl methacrylate
Concen: 442.688 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

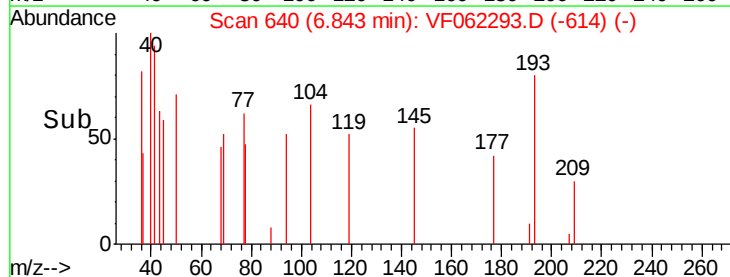
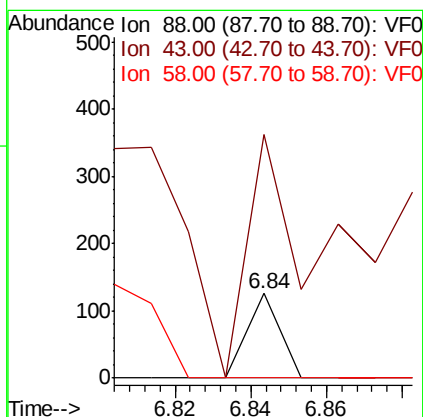
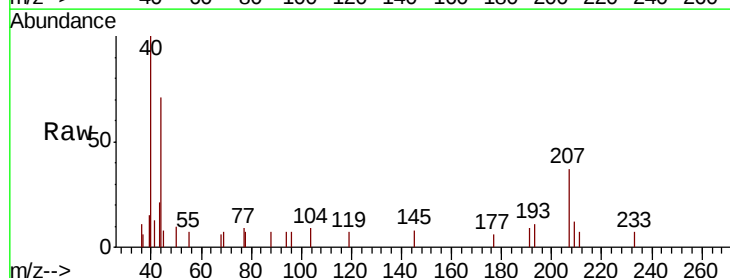
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

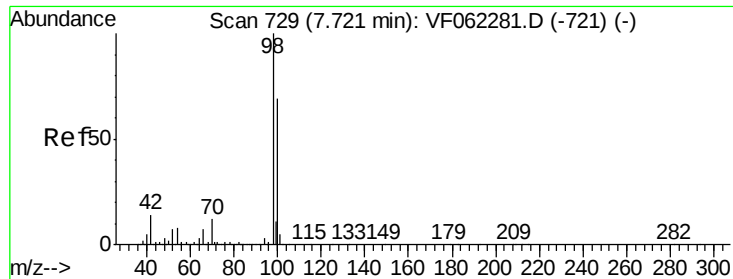
Tot Ion: 41 Resp: 321
Ion Ratio Lower Upper
41 100
69 83.5 53.4 80.2#
39 182.9 50.9 76.3#



#49
1,4-Dioxane
Concen: 8862.594 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 713.5 34.2 51.4#
58 0.0 50.7 76.1#

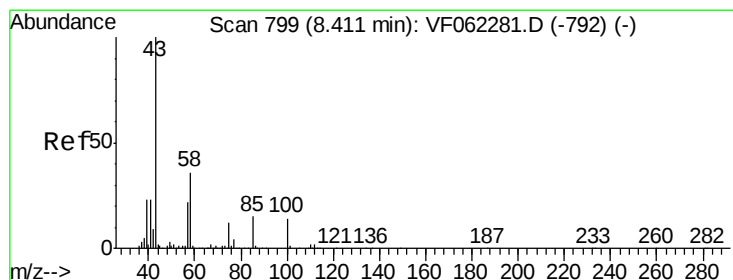
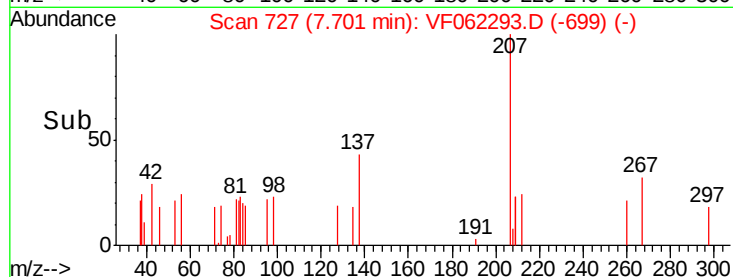
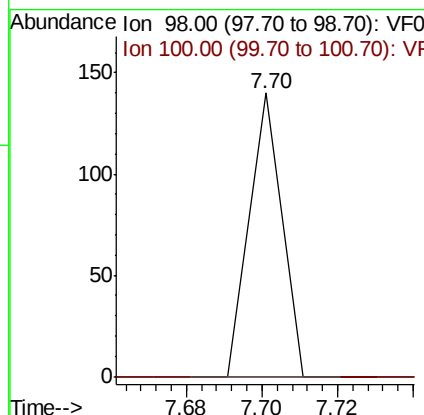
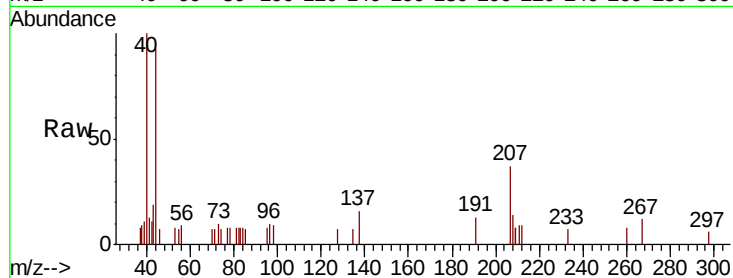




#50
Toluene-d8
Concen: 17.972 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

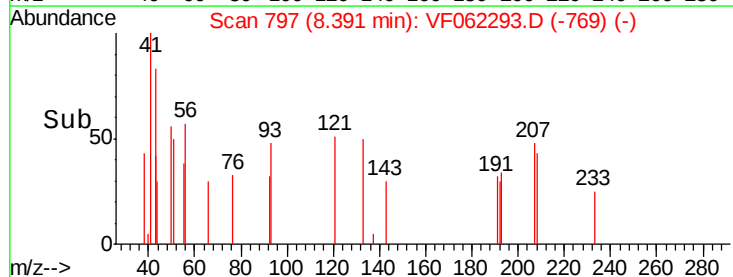
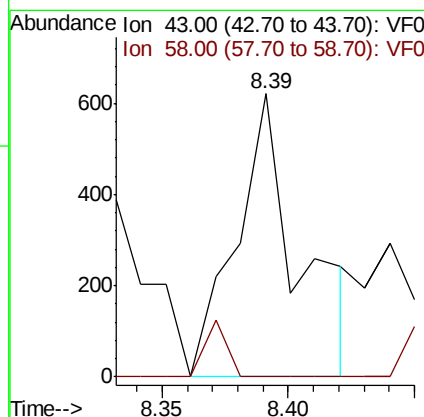
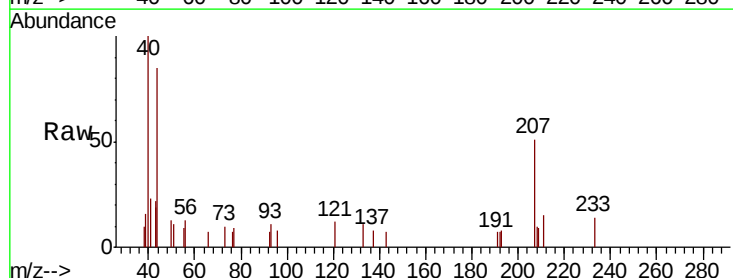
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

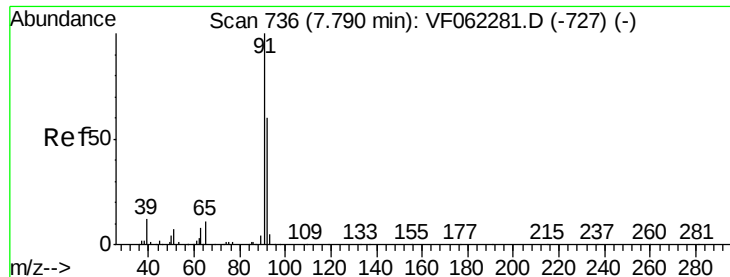
Tot Ion: 98 Resp: 83
Ion Ratio Lower Upper
98 100
100 0.0 54.4 81.6#



#51
4-Methyl-2-Pentanone
Concen: 1378.509 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.02 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 6.9 29.1 43.7#





#52

Toluene

Concen: 20.428 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.07 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

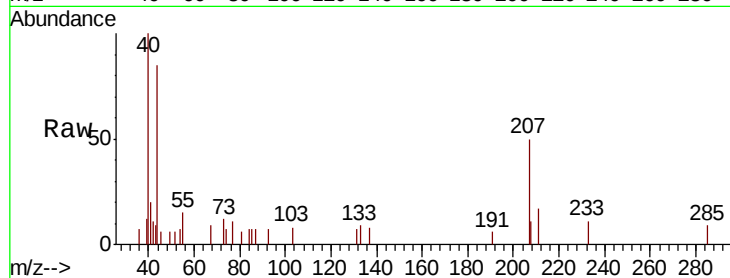
SU-03-042419-BRE

Tot Ion: 92 Resp: 67

Ion Ratio Lower Upper

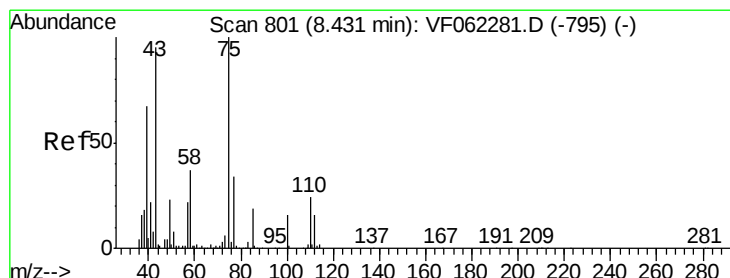
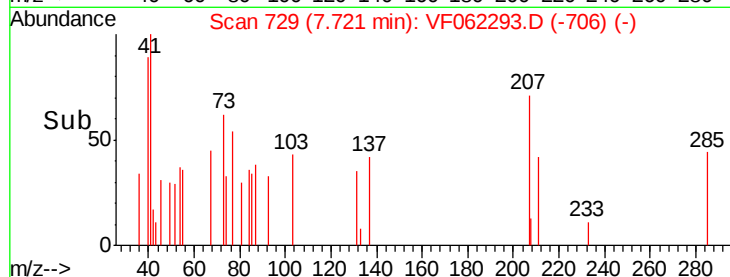
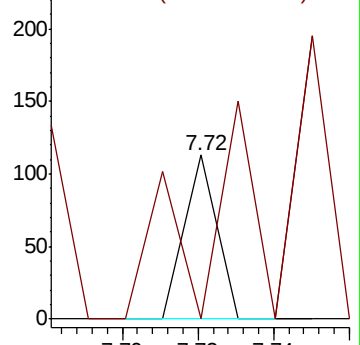
92 100

91 132.8 132.5 198.7



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: 43.134 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062293.D

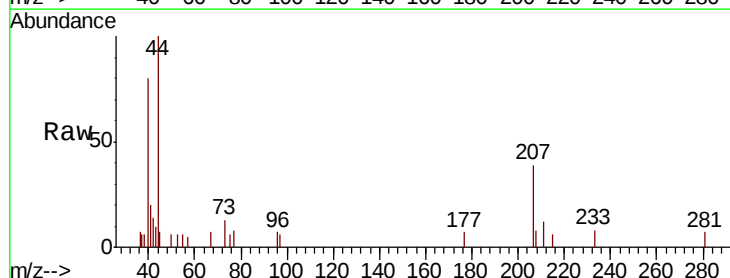
Acq: 25 Apr 2019 15:46

Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

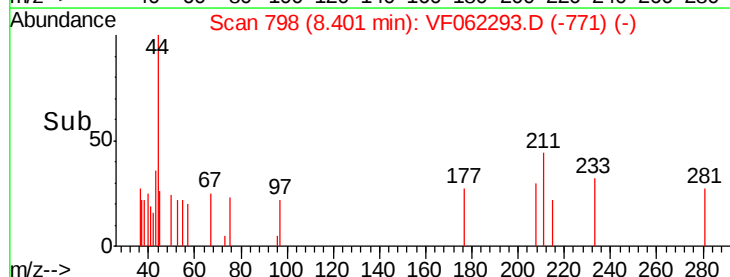
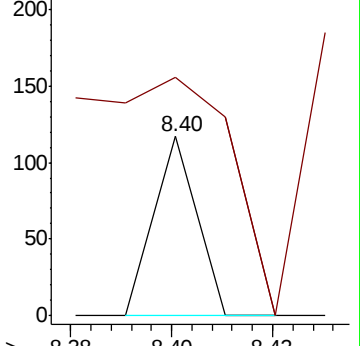
75 100

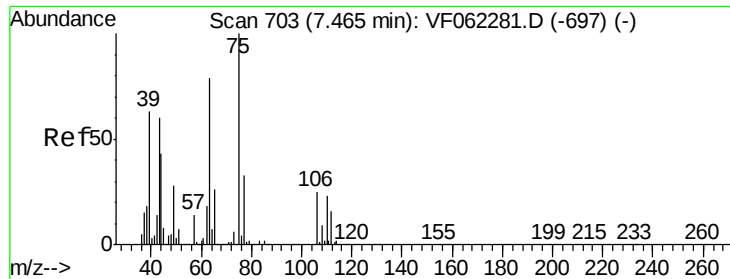
77 133.3 26.9 40.3#



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: 31.718 ug/l

RT: 7.41 min Scan# 697

Delta R.T. -0.06 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

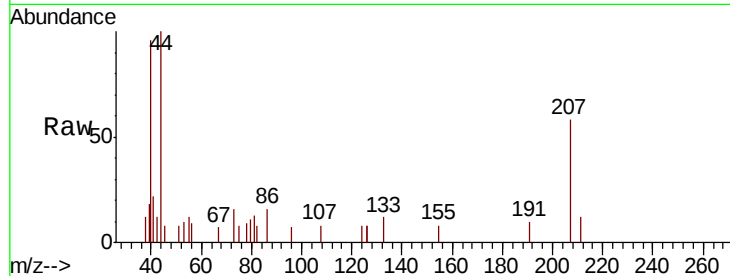
Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

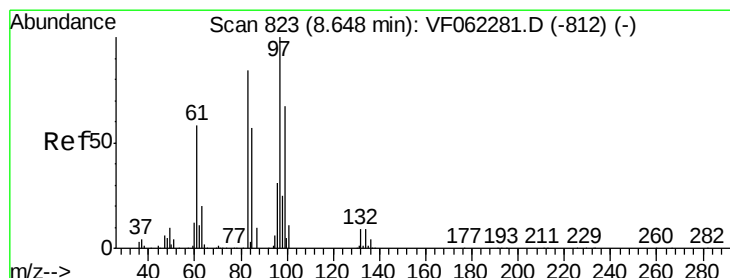
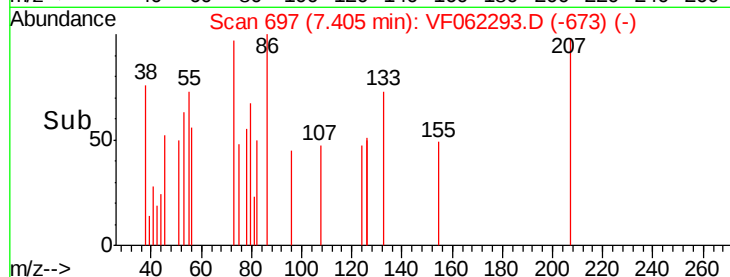
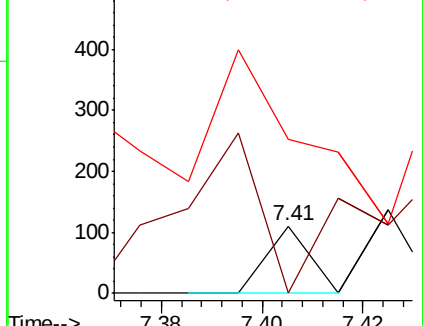
39 62.7 50.2 75.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 101.985 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.03 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion: 97 Resp: 95

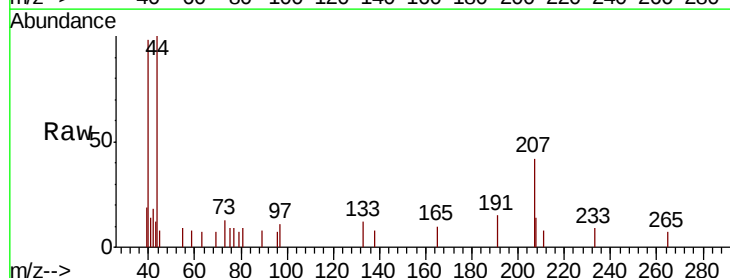
Ion Ratio Lower Upper

97 100

83 0.0 67.5 101.3#

85 0.0 45.3 67.9#

99 0.0 53.4 80.0#

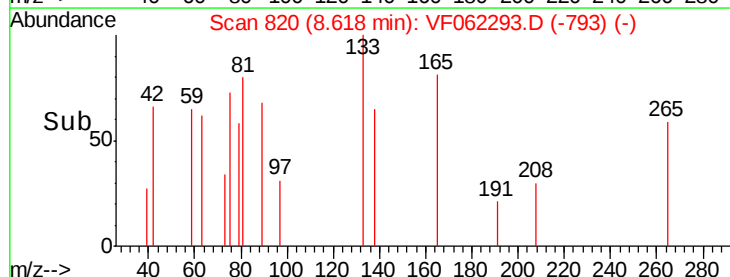
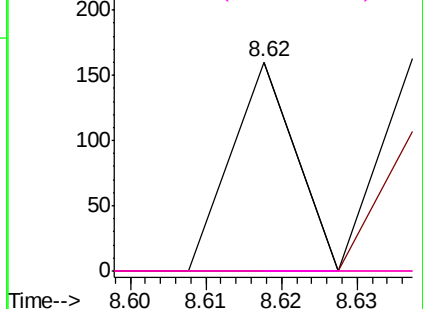


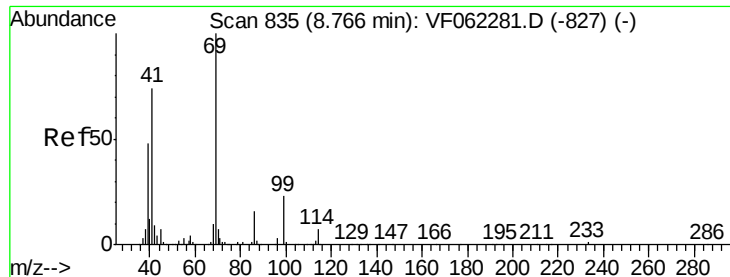
Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

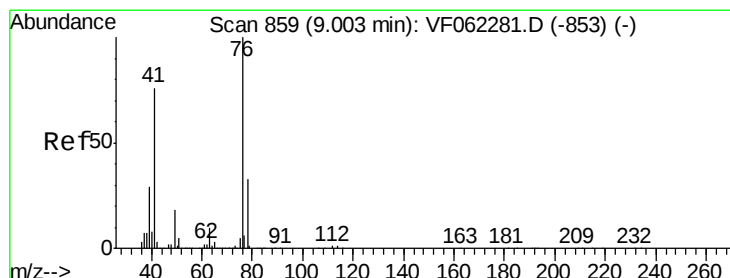
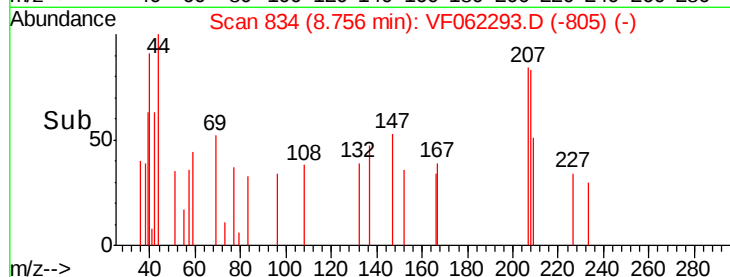
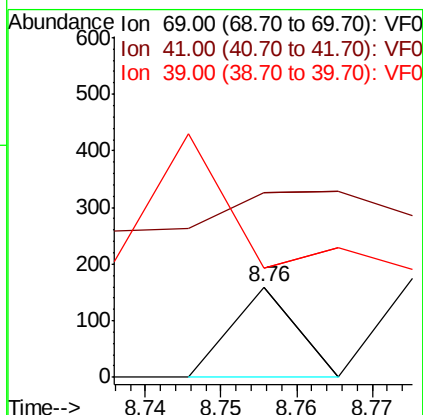
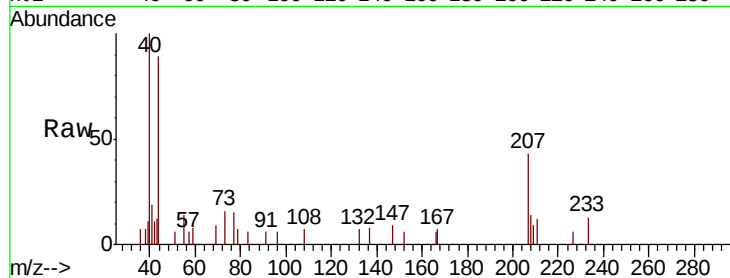




#56
Ethyl methacrylate
Concen: 92.832 ug/l
RT: 8.76 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

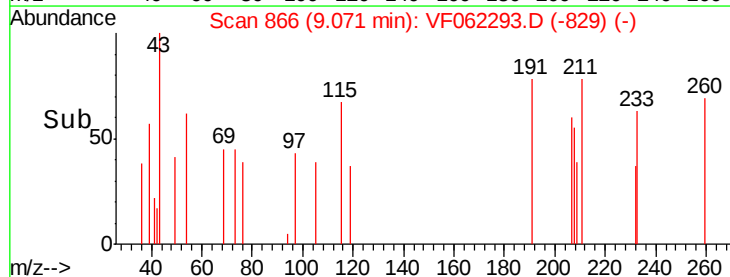
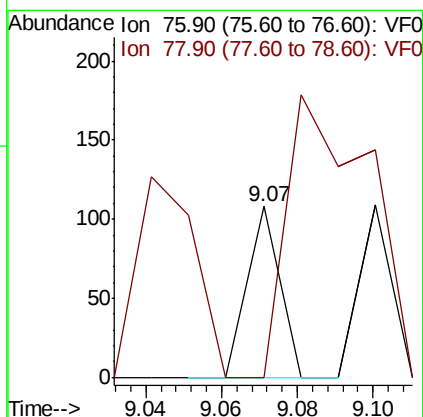
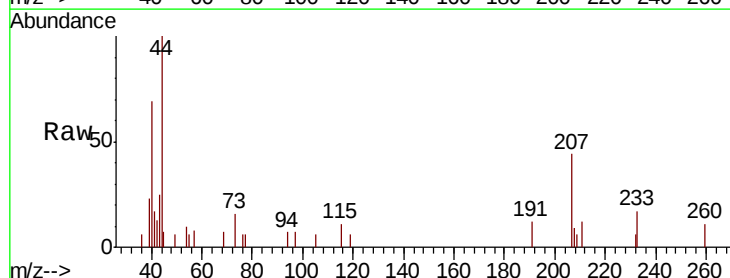
Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

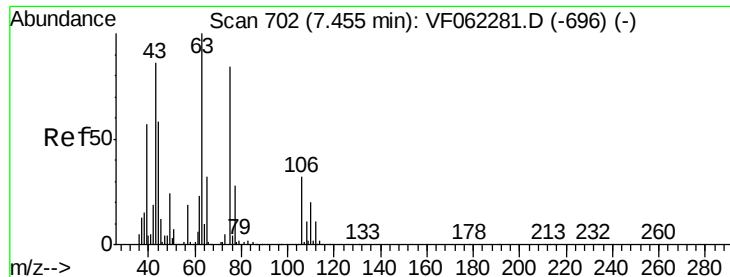
Tot Ion: 69 Resp: 95
Ion Ratio Lower Upper
69 100
41 556.8 61.5 92.3#
39 333.7 37.9 56.9#



#57
1,3-Dichloropropane
Concen: 43.698 ug/l
RT: 9.07 min Scan# 866
Delta R.T. 0.07 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion: 76 Resp: 64
Ion Ratio Lower Upper
76 100
78 421.9 27.0 40.6#

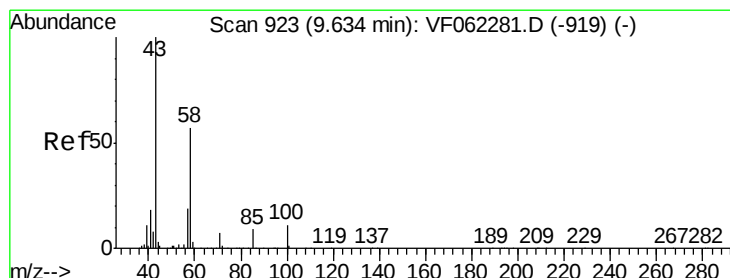
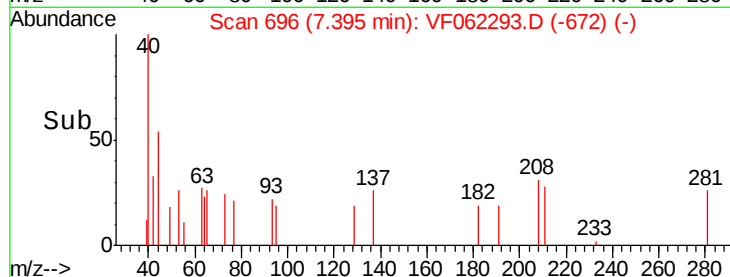
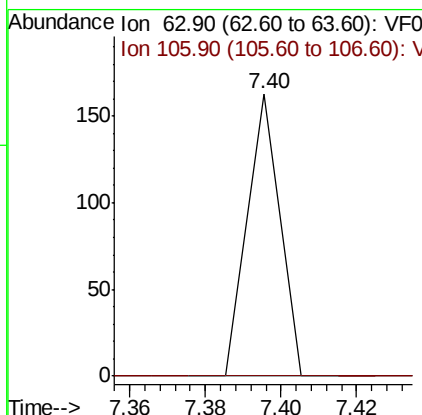
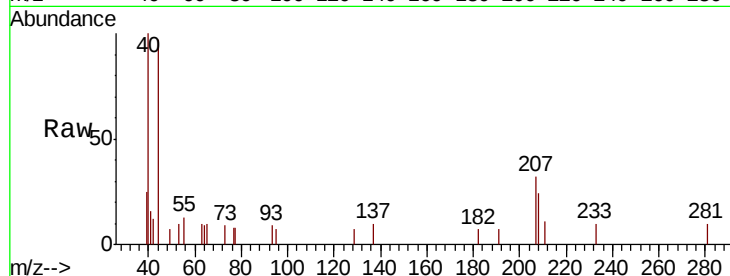




#58
 2-Chloroethyl Vinyl ether
 Concen: 308.287 ug/l
 RT: 7.40 min Scan# 696
 Delta R.T. -0.06 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

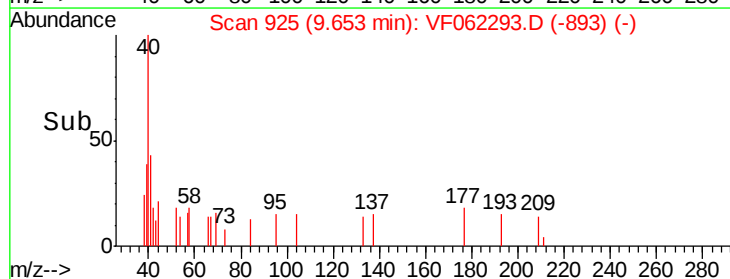
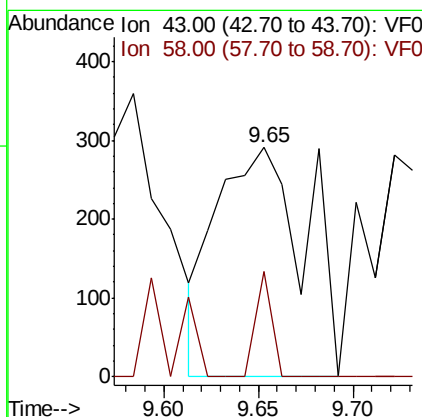
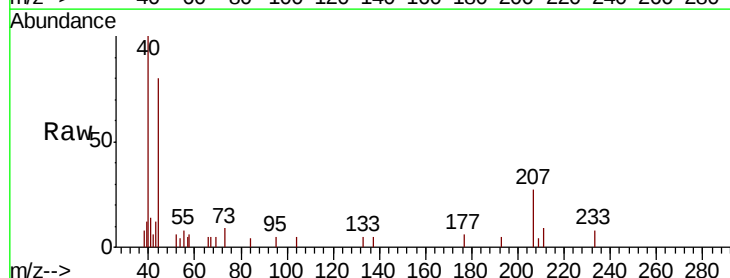
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

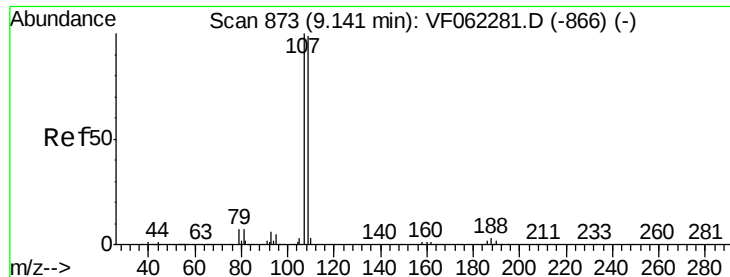
Tot Ion: 63 Resp: 96
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.7 37.1#



#59
 2-Hexanone
 Concen: 2120.844 ug/l
 RT: 9.65 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Tgt Ion: 43 Resp: 959
 Ion Ratio Lower Upper
 43 100
 58 8.2 24.9 74.7#





#61

1,2-Dibromoethane

Concen: 57.508 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.16 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

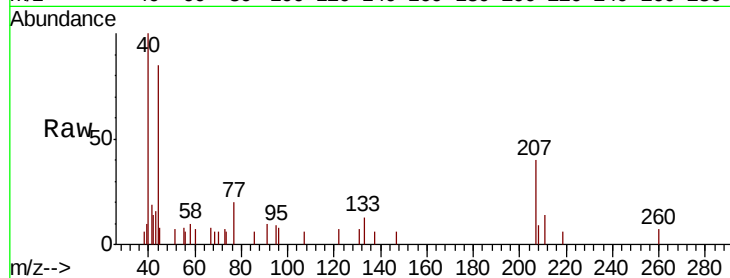
SU-03-042419-BRE

Tot Ion: 107 Resp: 62

Ion Ratio Lower Upper

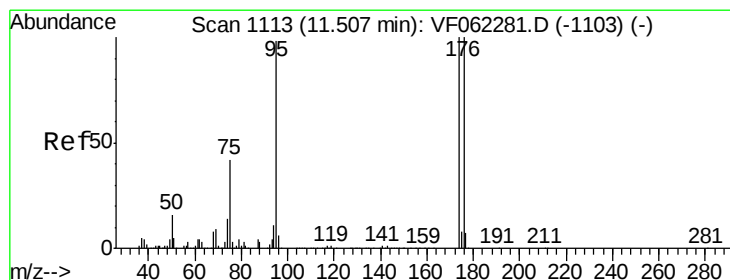
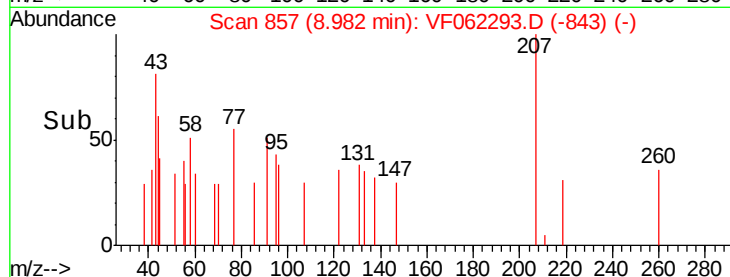
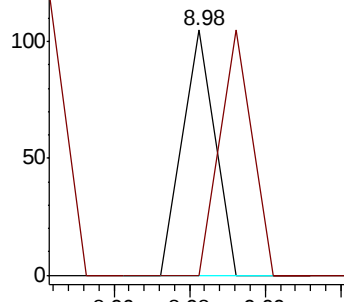
107 100

109 100.0 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: 62.514 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

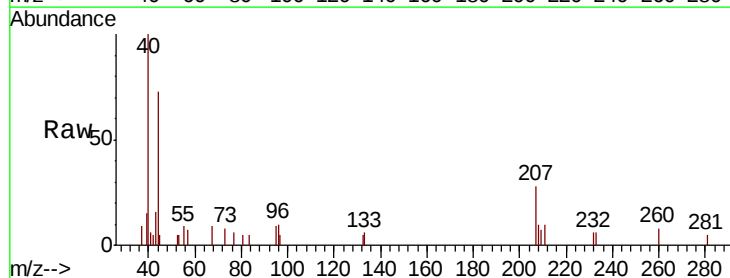
Tgt Ion: 95 Resp: 119

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.2

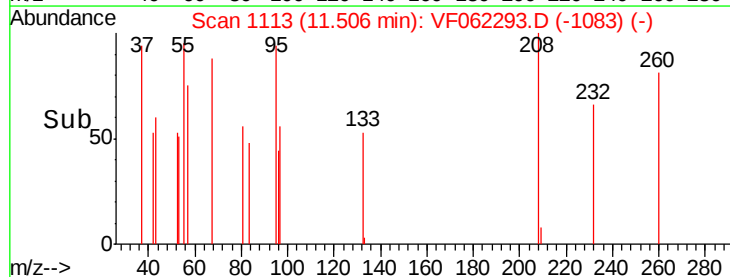
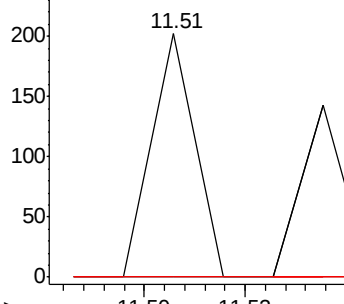
176 0.0 0.0 184.8

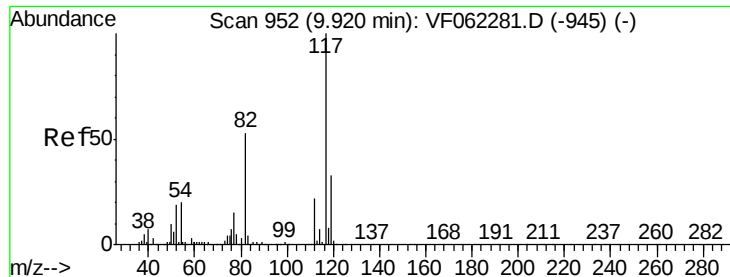


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

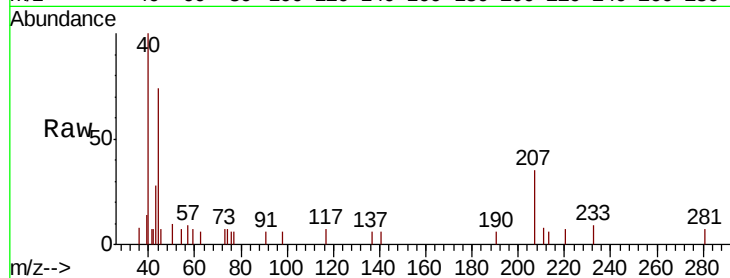




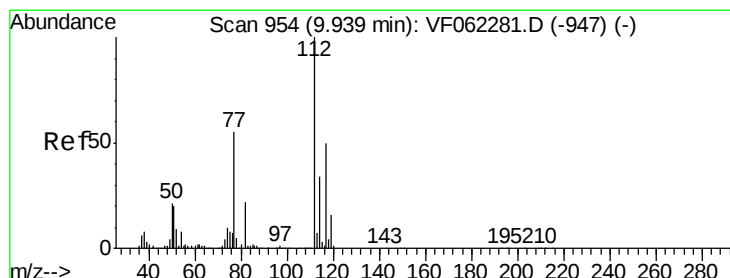
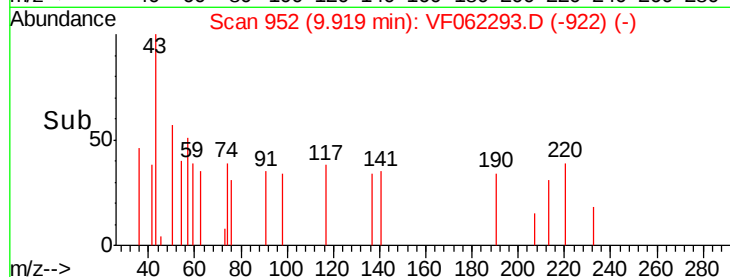
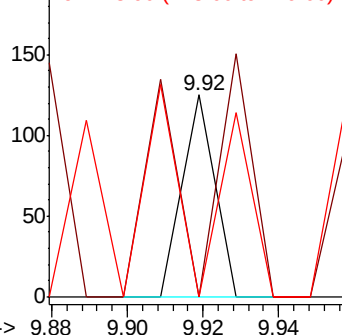
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:117 Resp: 74
Ion Ratio Lower Upper
117 100
82 0.0 42.6 64.0#
119 0.0 26.1 39.1#

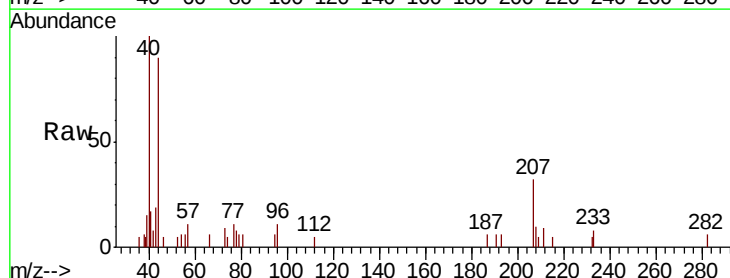


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

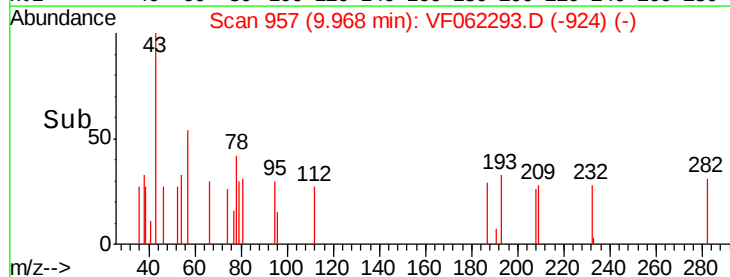
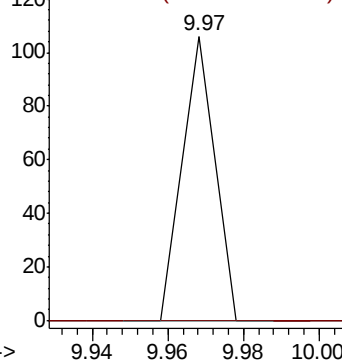


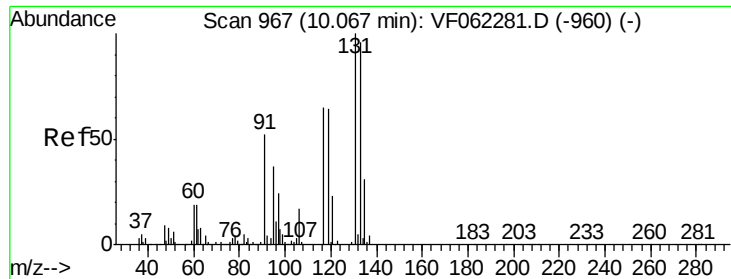
#65
Chlorobenzene
Concen: 46.588 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.03 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion:112 Resp: 63
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: 109.899 ug/l

RT: 10.11 min Scan# 971

Delta R.T. 0.04 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

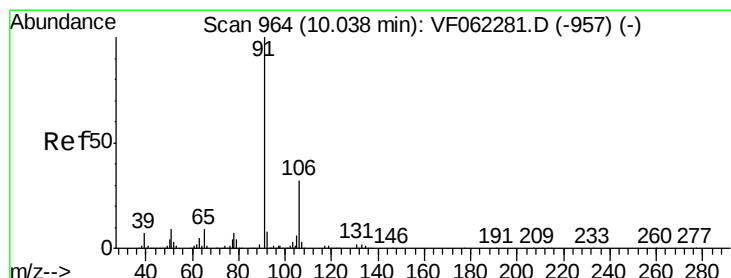
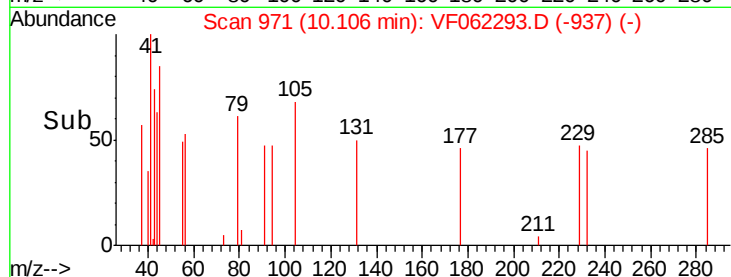
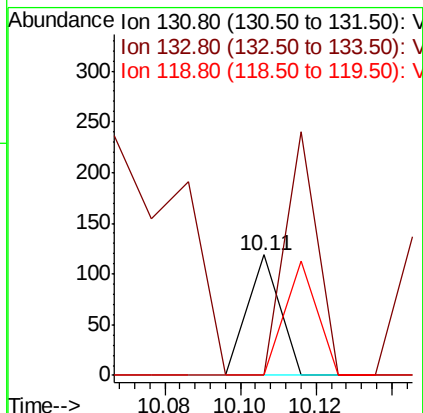
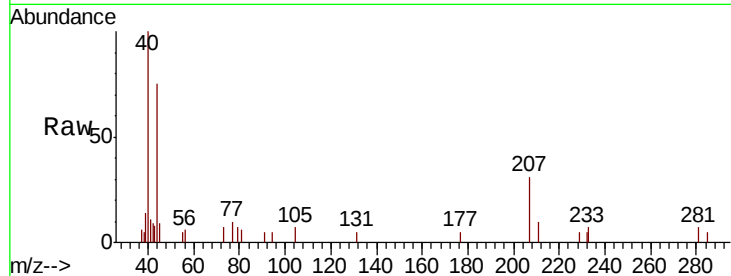
Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

Tot Ion:	131	Resp:	70
Ion	Ratio	Lower	Upper
131	100		
133	202.9	48.5	145.5#
119	95.7	32.9	98.7



#67

Ethyl Benzene

Concen: 164.617 ug/l

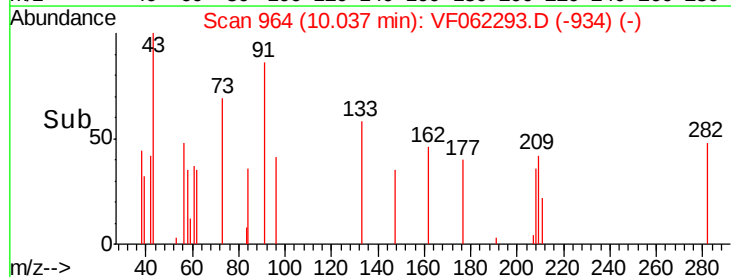
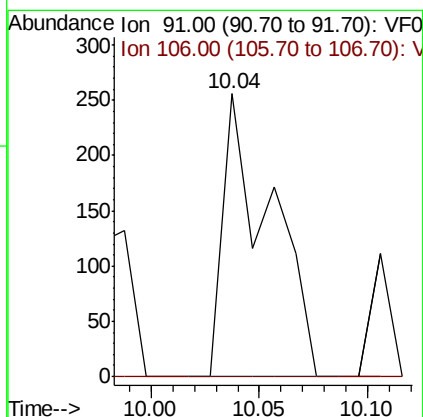
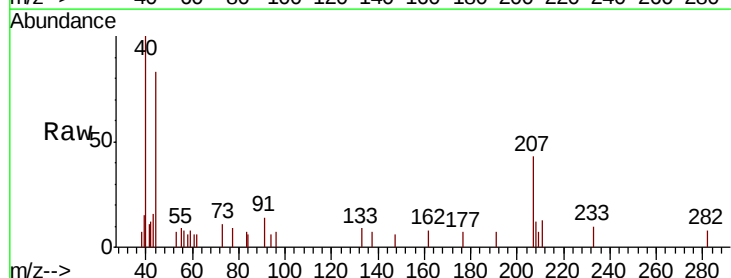
RT: 10.04 min Scan# 964

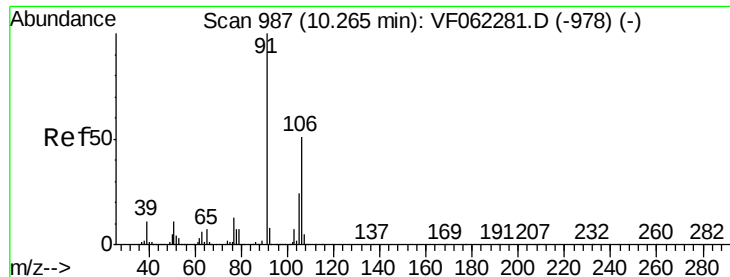
Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion:	91	Resp:	387
Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.6	38.4#

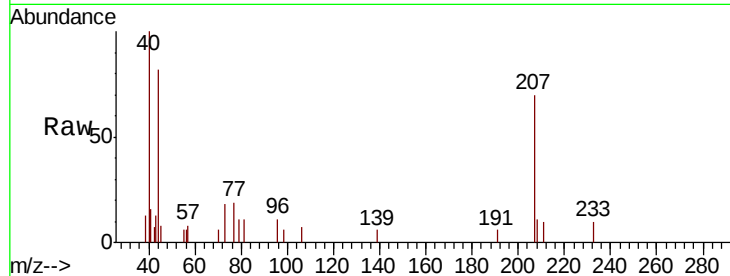




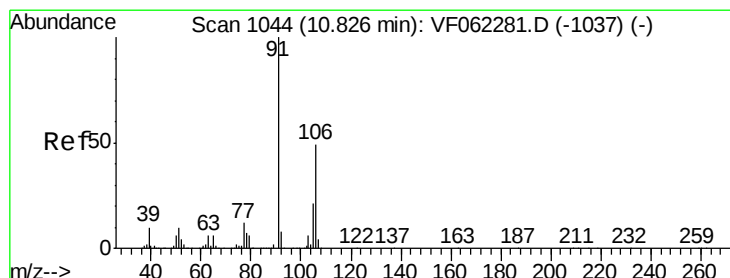
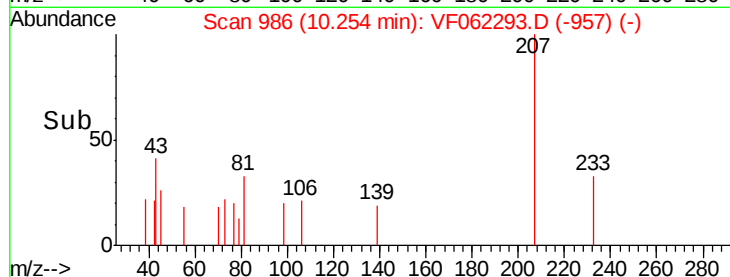
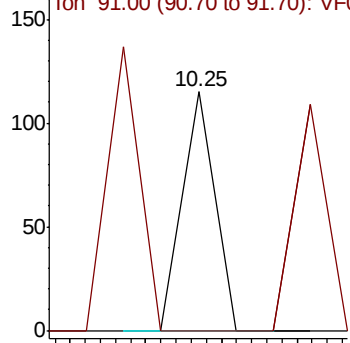
#68
m/p-Xylenes
Concen: 77.691 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Instrument :
MSVOA_F
ClientSampleId :
SU-03-042419-BRE

Tot Ion:106 Resp: 68
Ion Ratio Lower Upper
106 100
91 119.1 158.3 237.5#

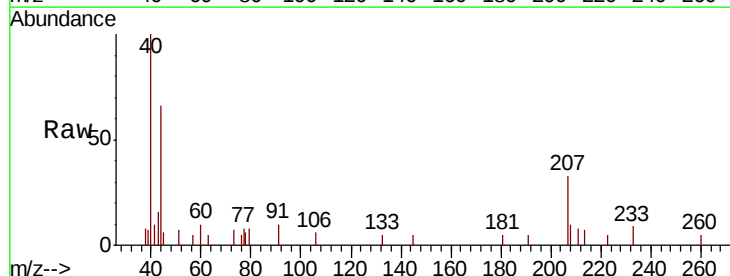


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

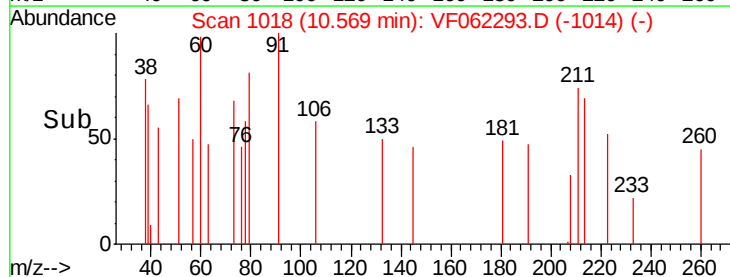
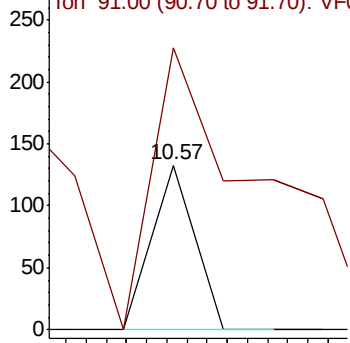


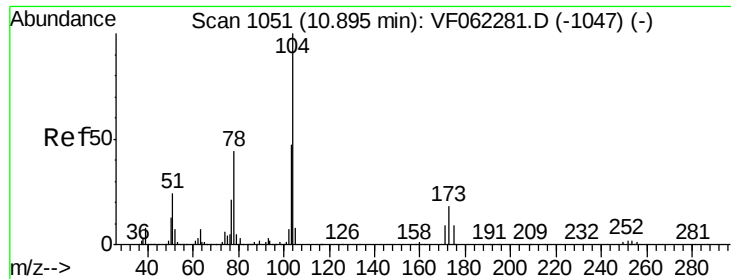
#69
o-Xylene
Concen: 80.788 ug/l
RT: 10.57 min Scan# 1018
Delta R.T. -0.26 min
Lab File: VF062293.D
Acq: 25 Apr 2019 15:46

Tgt Ion:106 Resp: 79
Ion Ratio Lower Upper
106 100
91 430.4 110.0 330.0#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#70

Stvrene

Concen: 53.763 ug/l

RT: 10.74 min Scan# 1035

Delta R.T. -0.16 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

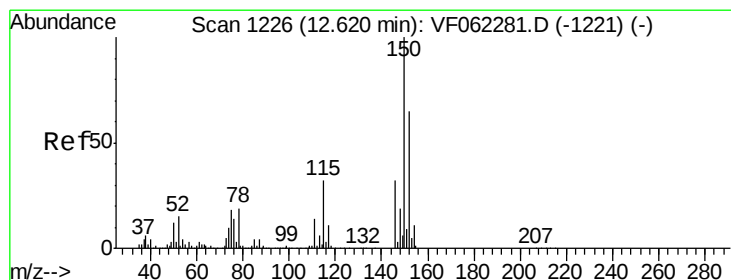
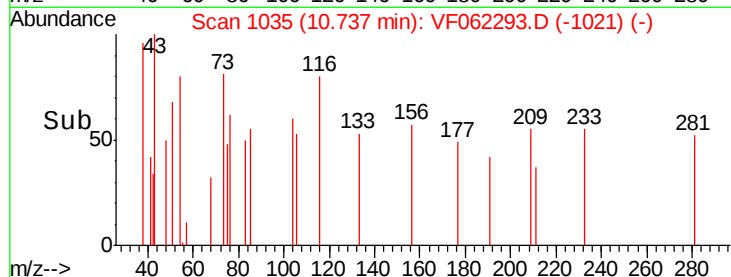
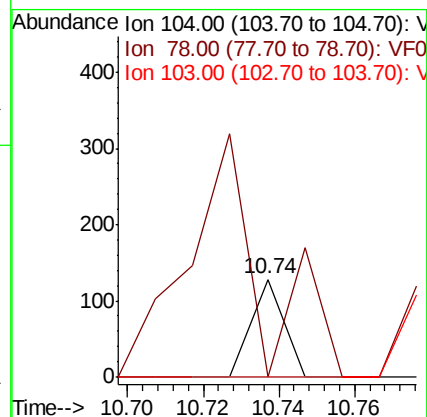
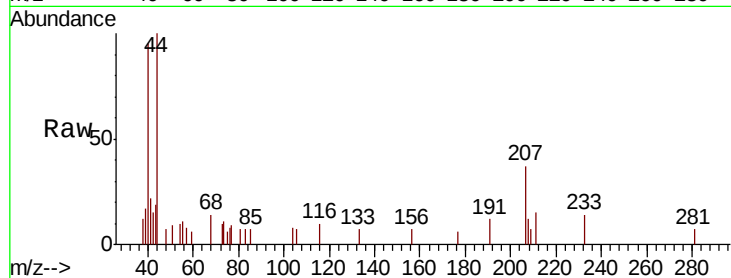
Tot Ion:104 Resp: 76

Ion Ratio Lower Upper

104 100

78 573.7 35.9 53.9#

103 0.0 37.5 56.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.03 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

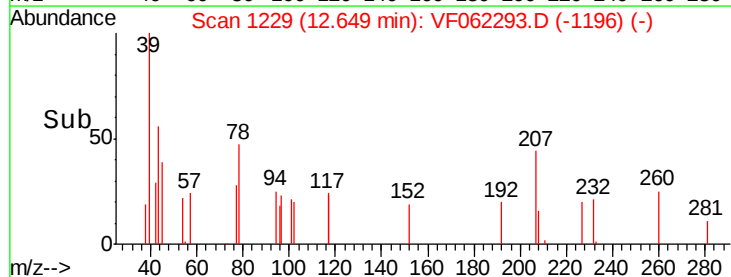
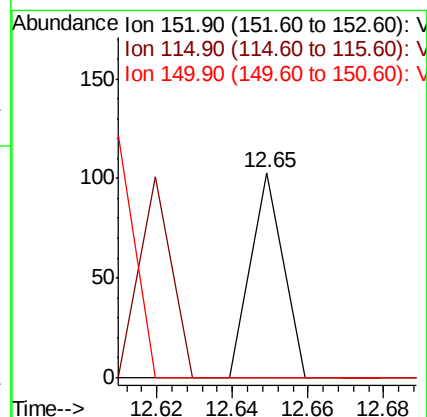
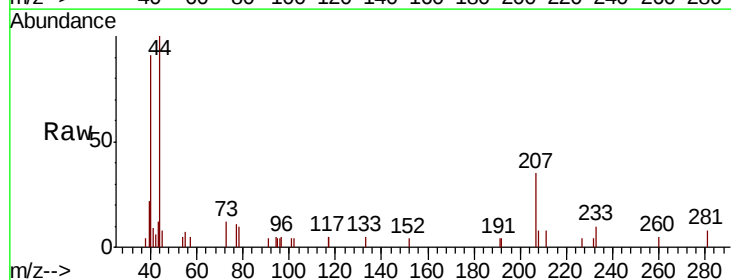
Tgt Ion:152 Resp: 61

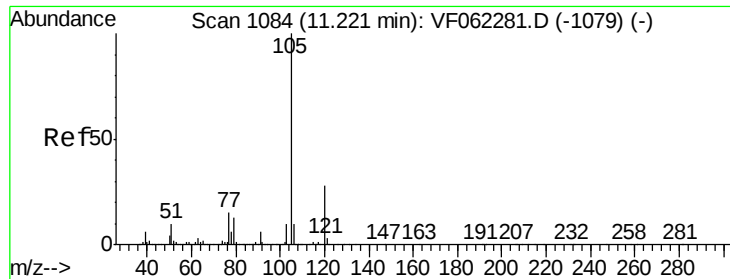
Ion Ratio Lower Upper

152 100

115 0.0 25.6 76.8#

150 0.0 0.0 330.6





#73

Isopropylbenzene

Concen: 39.479 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

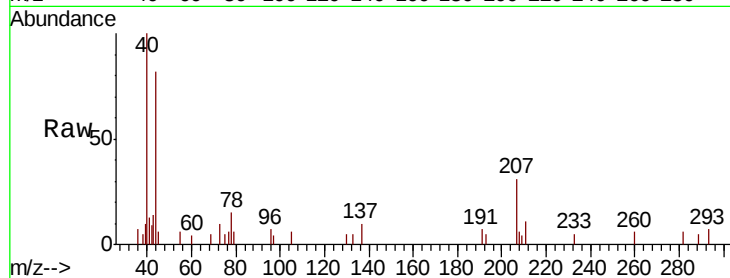
SU-03-042419-BRE

Tot Ion:105 Resp: 165

Ion Ratio Lower Upper

105 100

120 0.0 12.4 37.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.25

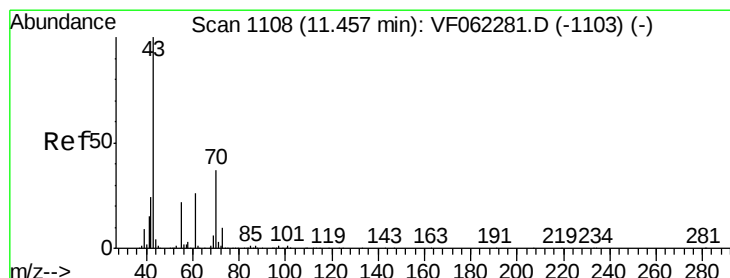
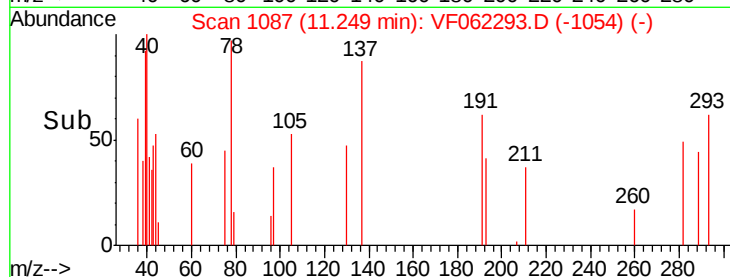
150

100

50

0

Time--> 11.20 11.25



#74

N-ethyl acetate

Concen: 1435.136 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Tgt Ion: 43 Resp: 1382

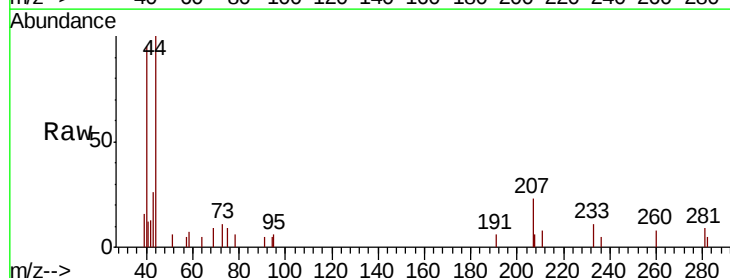
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.8#

55 29.5 16.6 24.8#

61 5.4 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

800

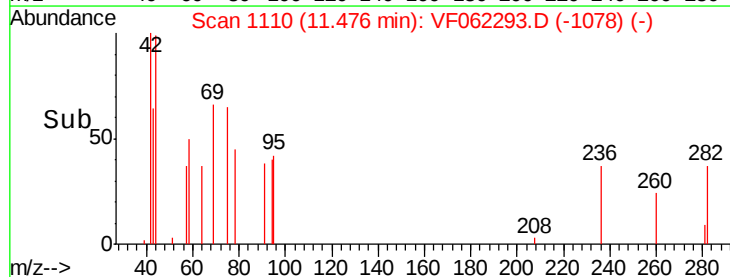
600

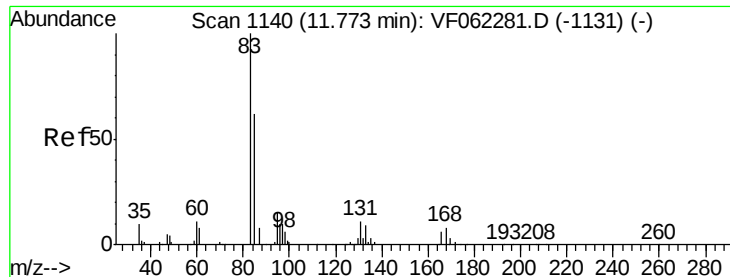
400

200

0

Time--> 11.45 11.50 11.55





#75

1,1,2,2-Tetrachloroethane

Concen: 90.361 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

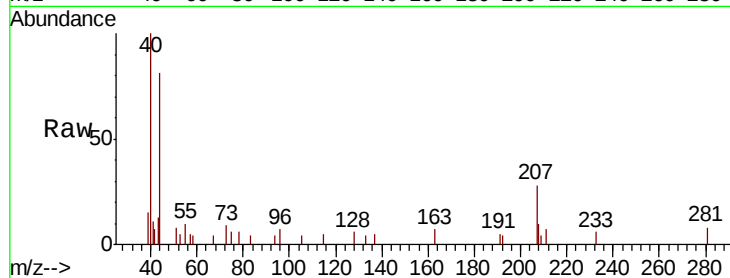
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

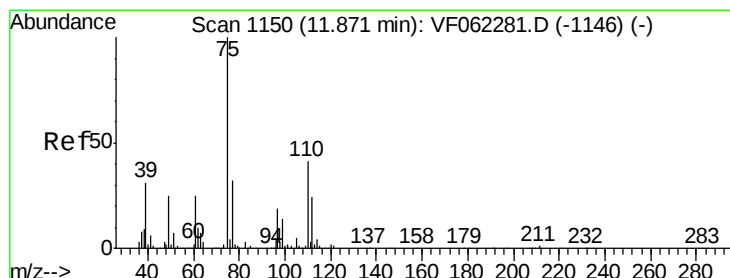
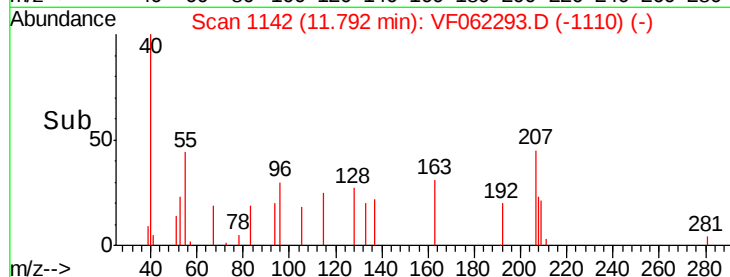
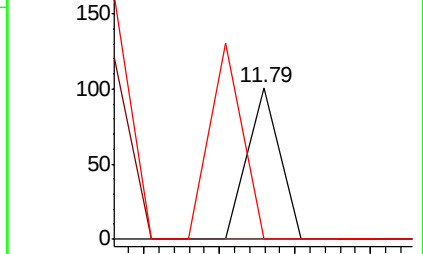
85 128.3 34.5 103.6#



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: 222.880 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062293.D

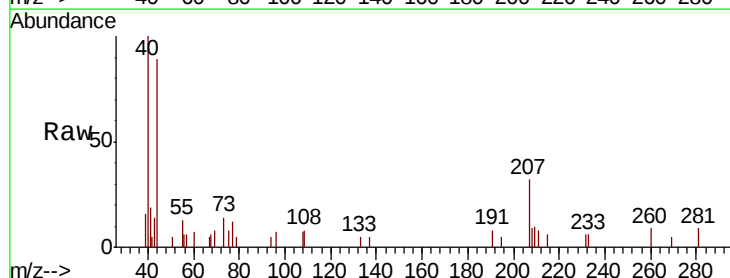
Acq: 25 Apr 2019 15:46

Tgt Ion: 75 Resp: 105

Ion Ratio Lower Upper

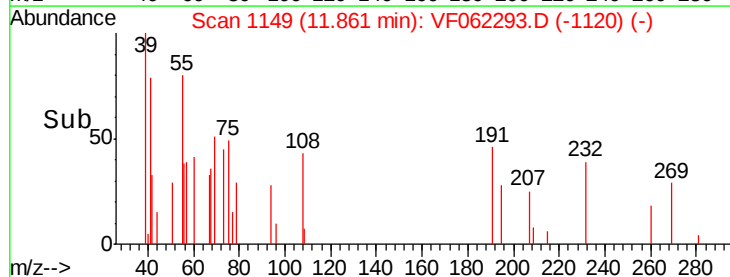
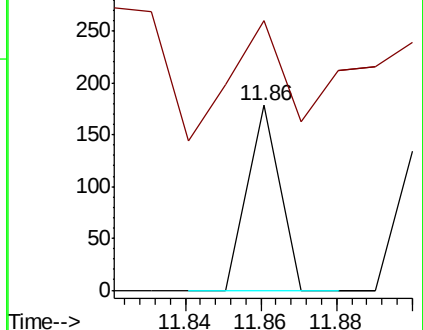
75 100

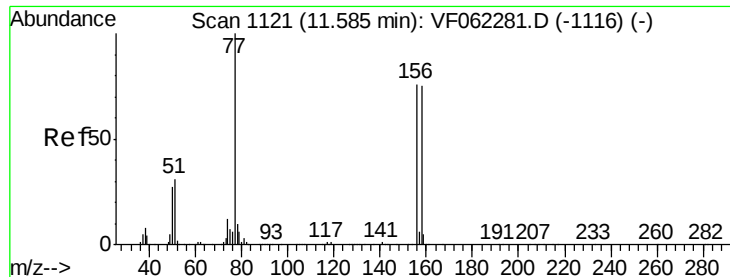
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 66.998 ug/l

RT: 11.35 min Scan# 1097

Delta R.T. -0.24 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

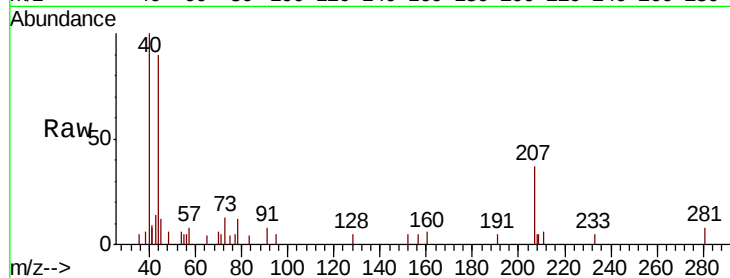
Tot Ion:156 Resp: 70

Ion Ratio Lower Upper

156 100

77 374.3 67.3 201.9#

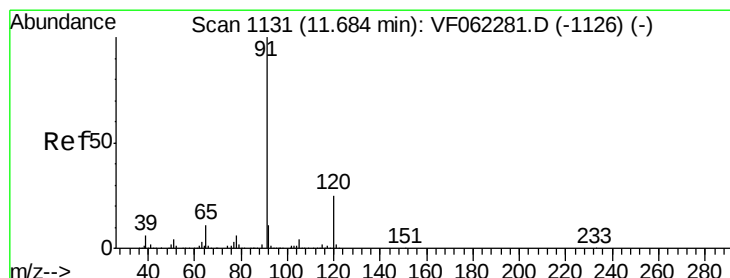
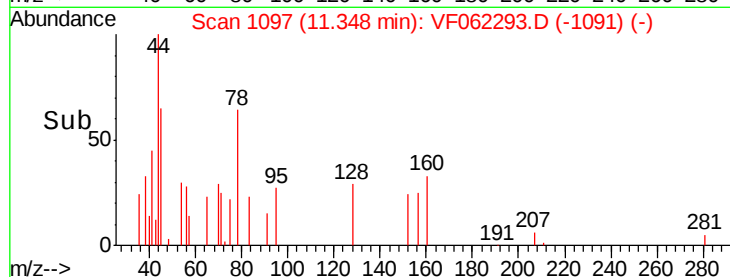
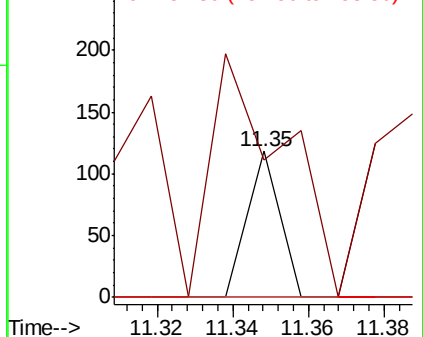
158 0.0 49.5 148.5#



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: 28.879 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.04 min

Lab File: VF062293.D

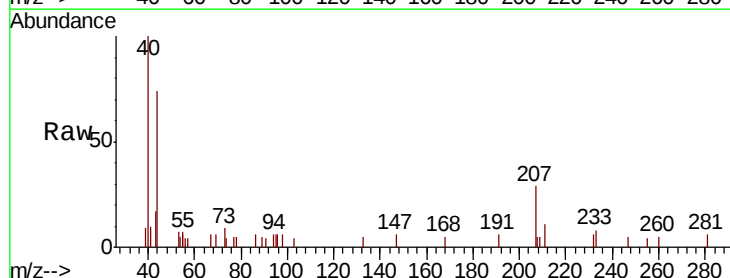
Acq: 25 Apr 2019 15:46

Tgt Ion: 91 Resp: 127

Ion Ratio Lower Upper

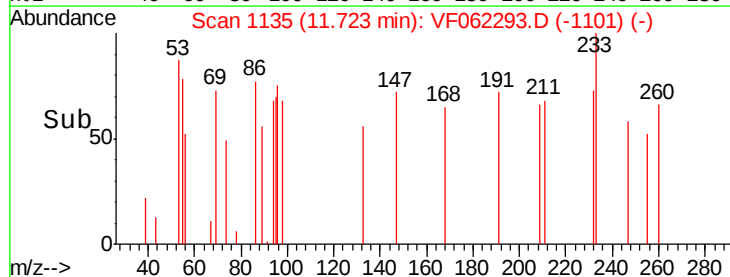
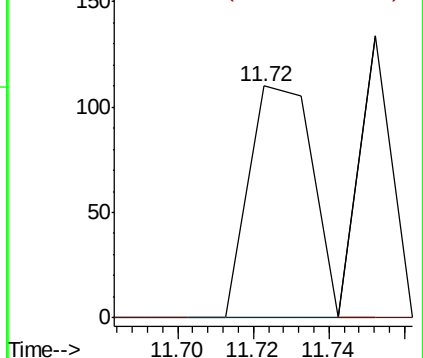
91 100

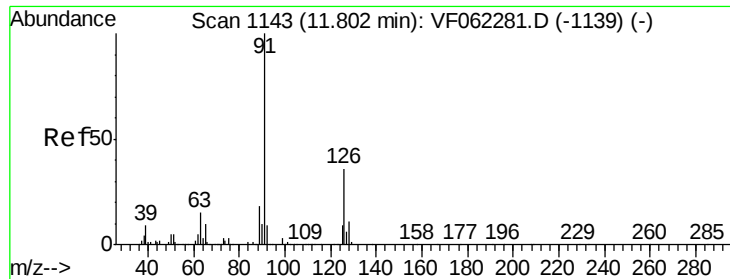
120 0.0 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

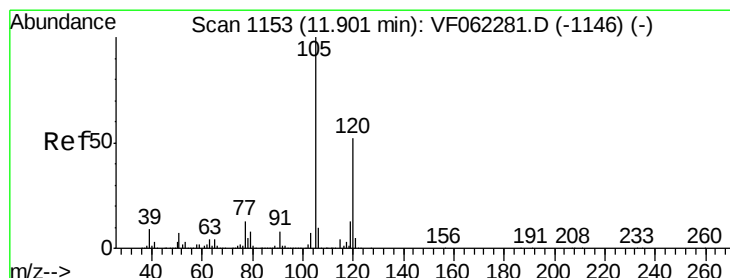
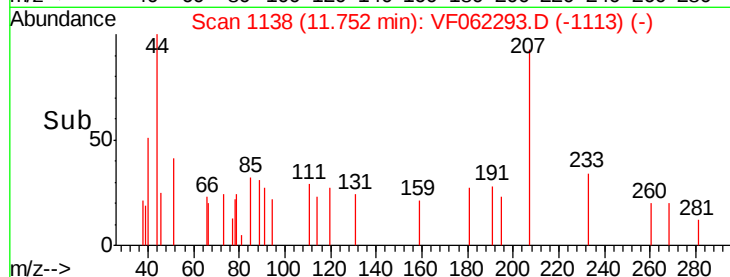
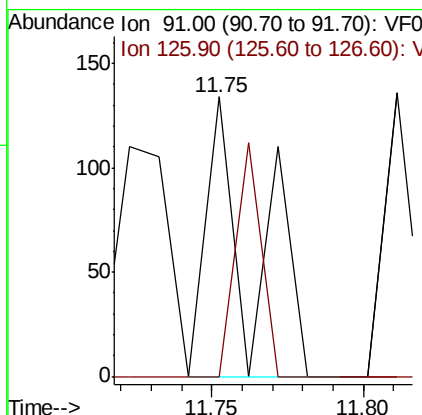
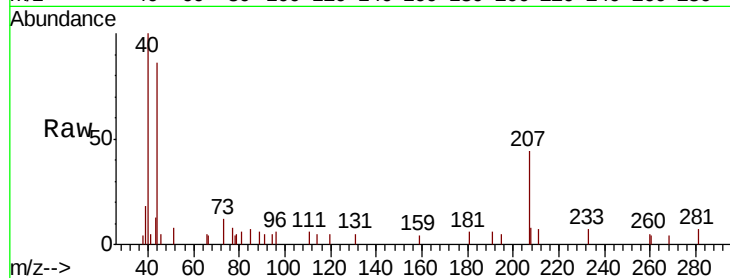




#79
 2-Chlorotoluene
 Concen: 54.363 ug/l
 RT: 11.75 min Scan# 1138
 Delta R.T. -0.05 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

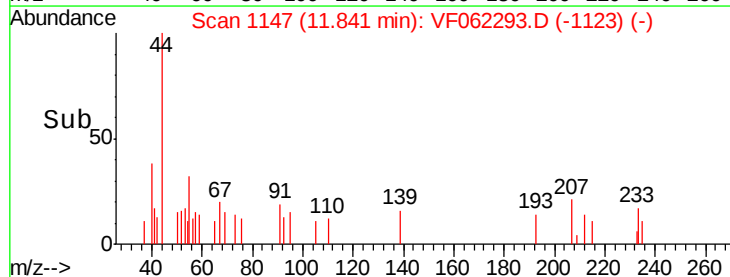
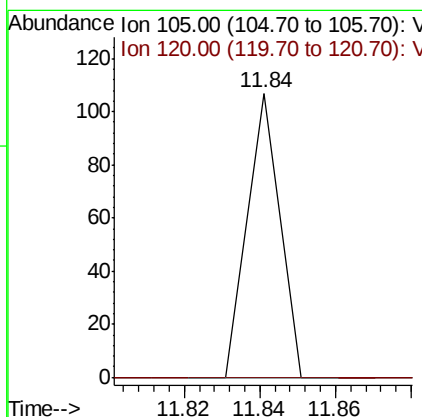
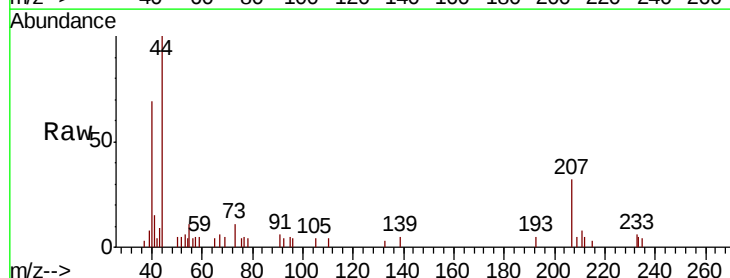
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

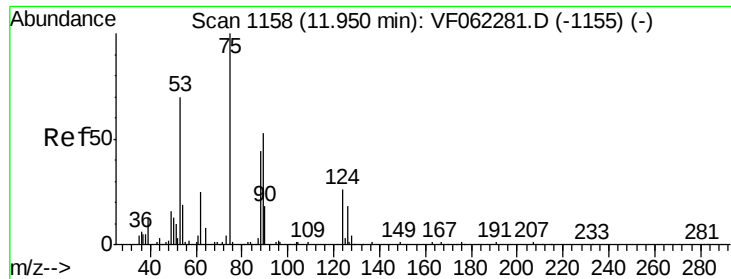
Tot Ion: 91 Resp: 144
 Ion Ratio Lower Upper
 91 100
 126 45.8 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.856 ug/l
 RT: 11.84 min Scan# 1147
 Delta R.T. -0.06 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Tgt Ion: 105 Resp: 63
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.8 77.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 465.378 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

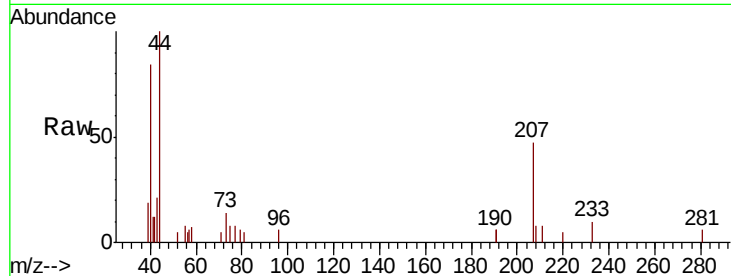
Tot Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

53 94.9 67.1 100.7

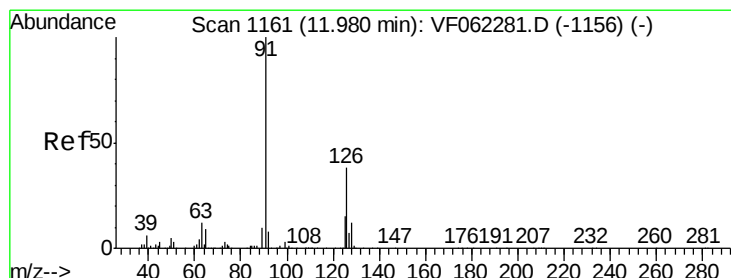
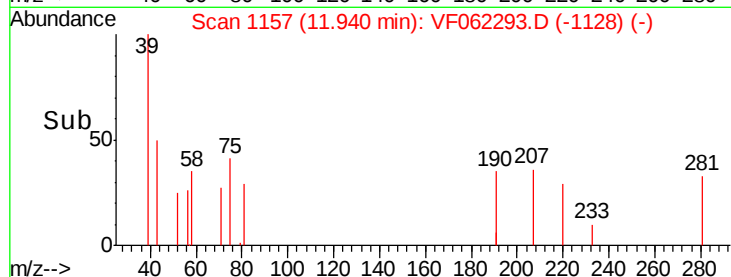
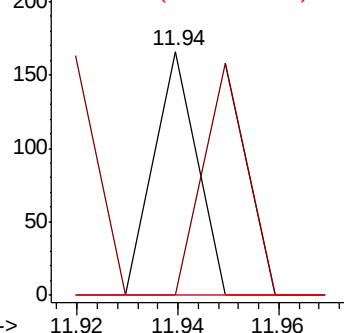
89 0.0 0.0 0.0



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: 49.980 ug/l

RT: 12.15 min Scan# 1178

Delta R.T. 0.17 min

Lab File: VF062293.D

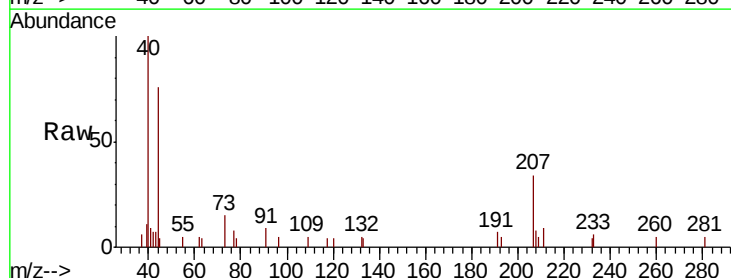
Acq: 25 Apr 2019 15:46

Tgt Ion: 91 Resp: 131

Ion Ratio Lower Upper

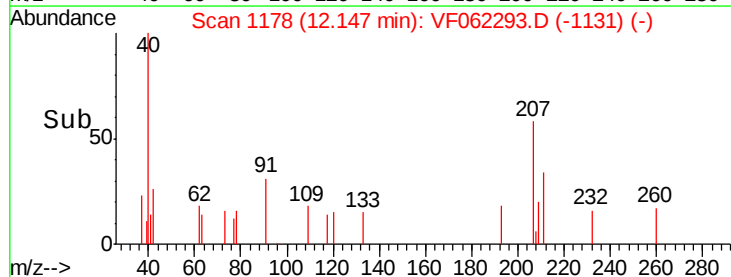
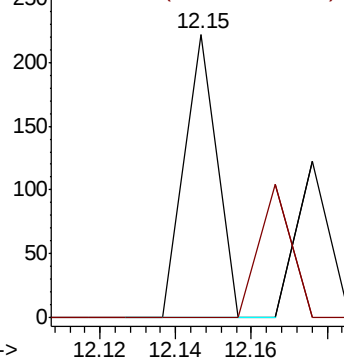
91 100

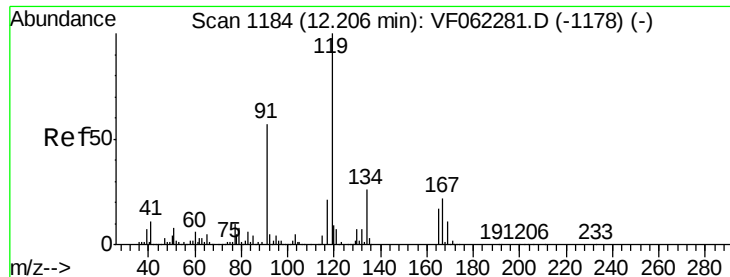
126 46.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 65.730 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

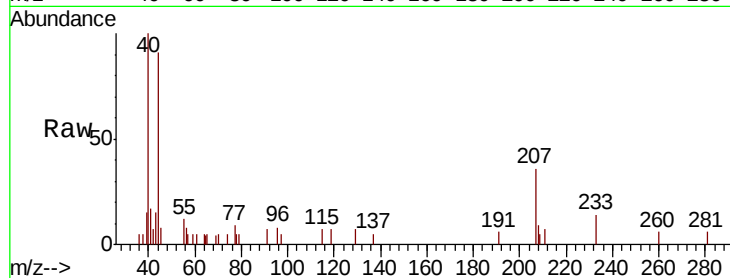
Tot Ion:119 Resp: 238

Ion Ratio Lower Upper

119 100

91 172.7 29.4 88.2#

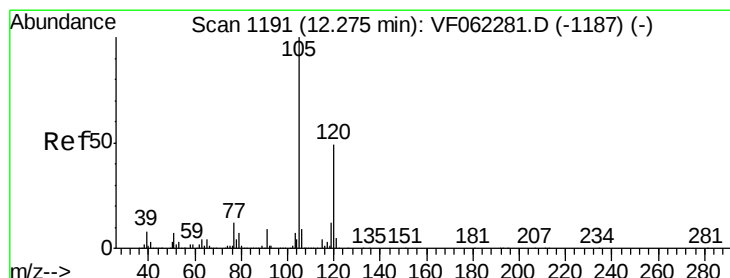
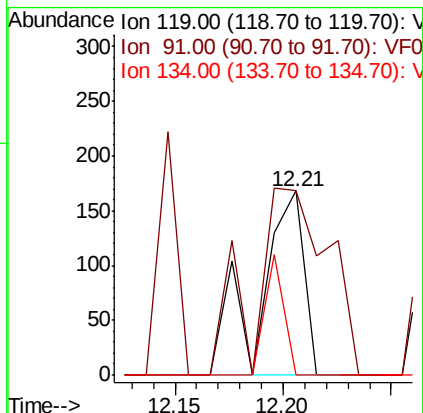
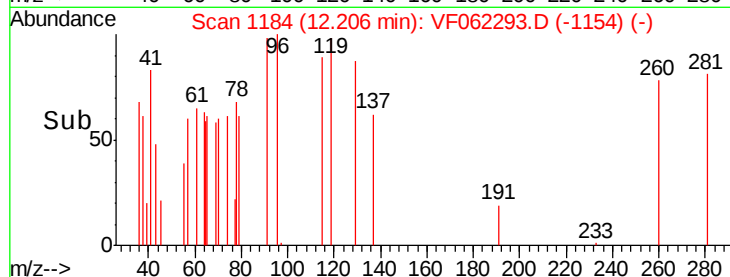
134 27.3 11.9 35.7



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: 21.070 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.02 min

Lab File: VF062293.D

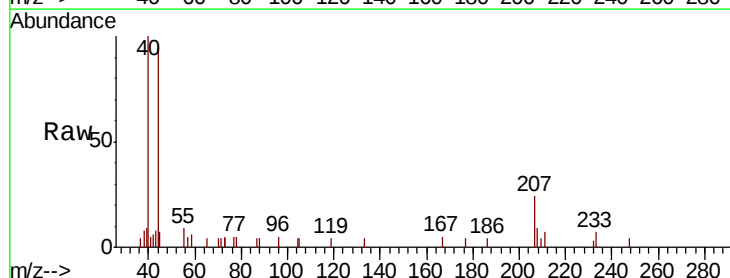
Acq: 25 Apr 2019 15:46

Tgt Ion:105 Resp: 72

Ion Ratio Lower Upper

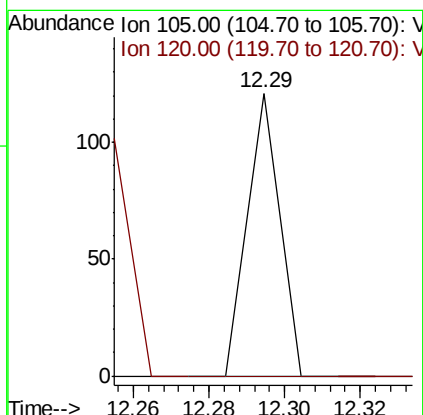
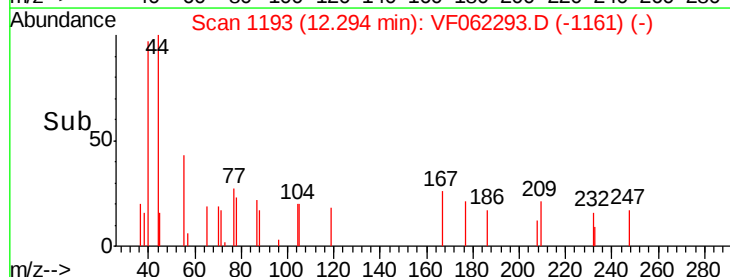
105 100

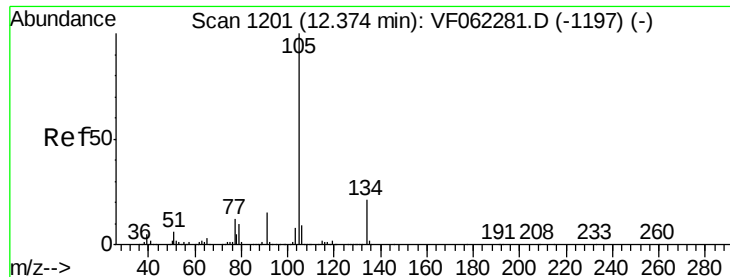
120 0.0 24.1 72.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 31.708 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.03 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

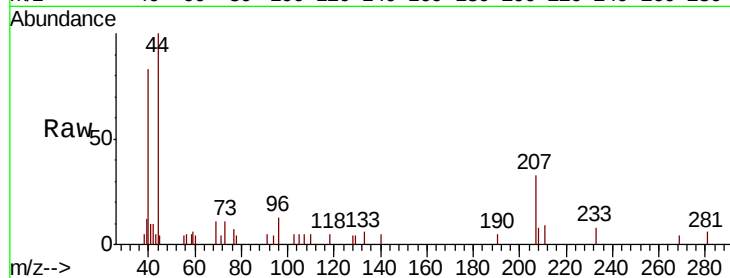
SU-03-042419-BRE

Tot Ion:105 Resp: 143

Ion Ratio Lower Upper

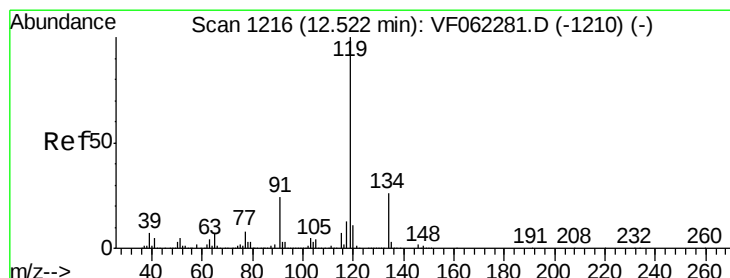
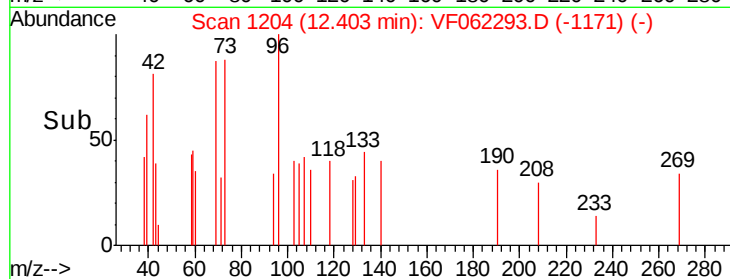
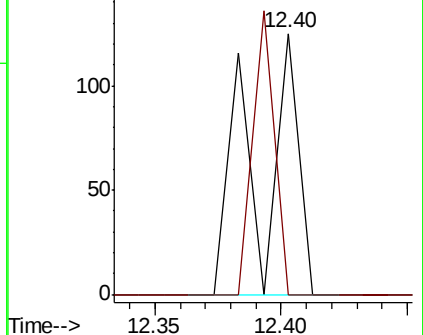
105 100

134 55.9 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.312 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

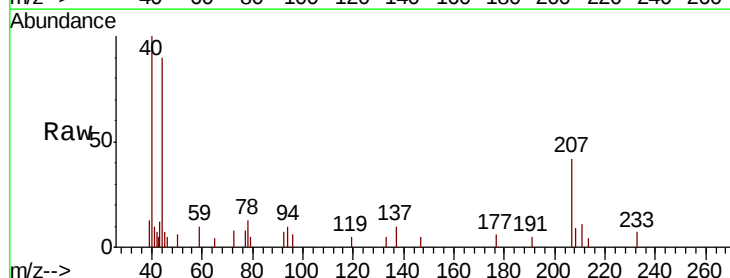
Tgt Ion:119 Resp: 70

Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

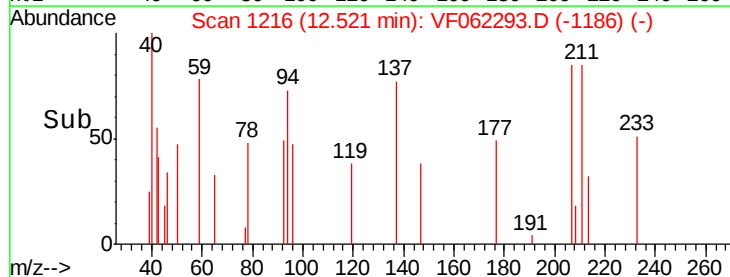
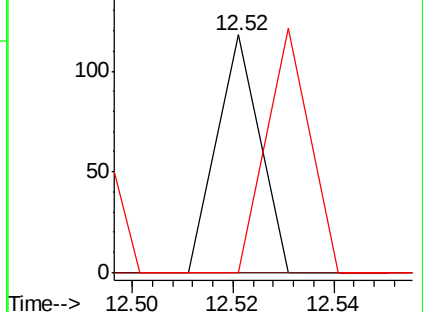
91 102.9 11.6 34.7#

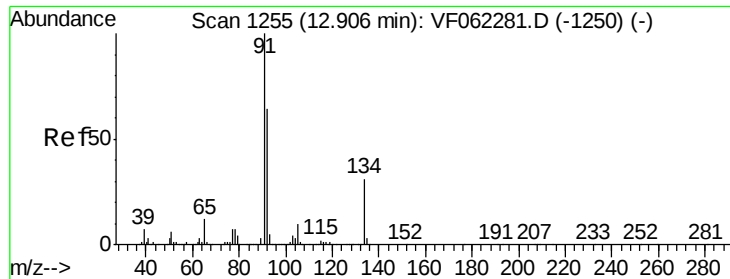


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#89

n-Butylbenzene

Concen: 27.219 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

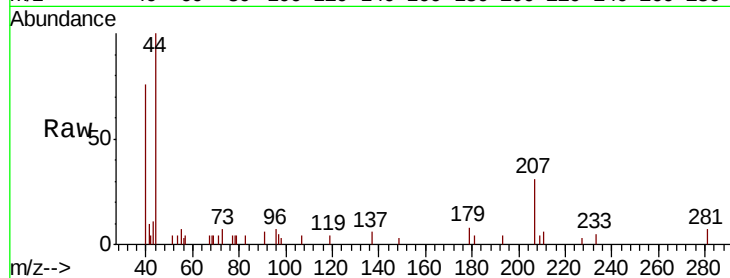
Tot Ion: 91 Resp: 100

Ion Ratio Lower Upper

91 100

92 0.0 31.1 93.3#

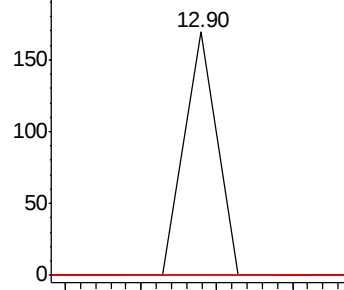
134 0.0 14.4 43.4#



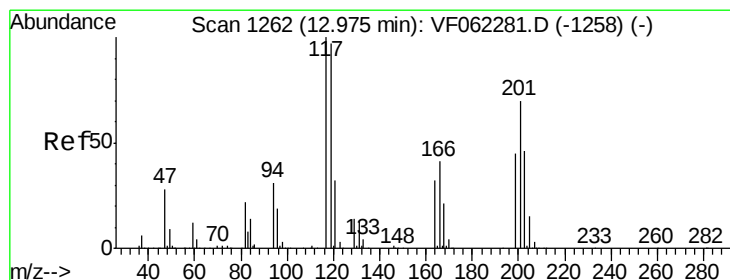
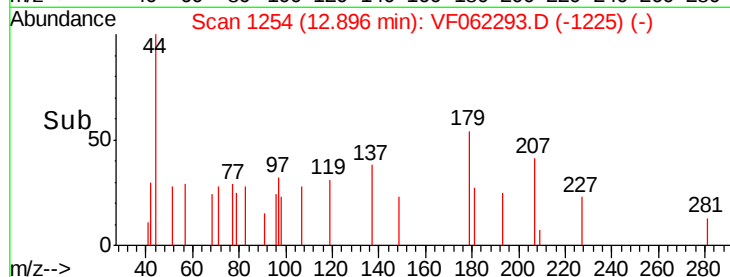
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->



#90

Hexachloroethane

Concen: 61.172 ug/l

RT: 13.13 min Scan# 1278

Delta R.T. 0.16 min

Lab File: VF062293.D

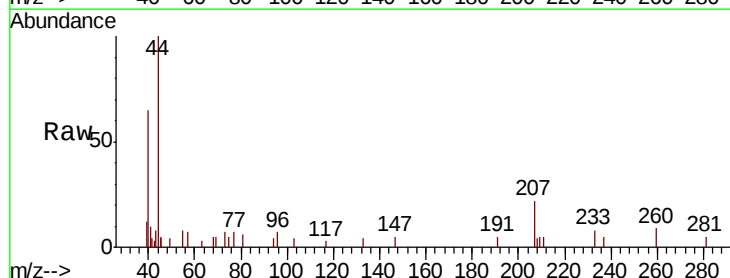
Acq: 25 Apr 2019 15:46

Tgt Ion: 117 Resp: 62

Ion Ratio Lower Upper

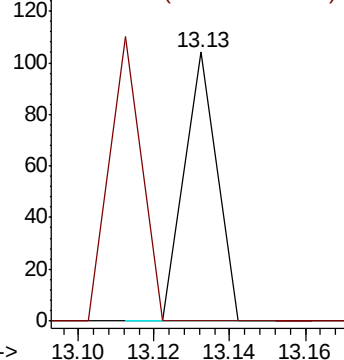
117 100

201 104.8 42.9 128.5

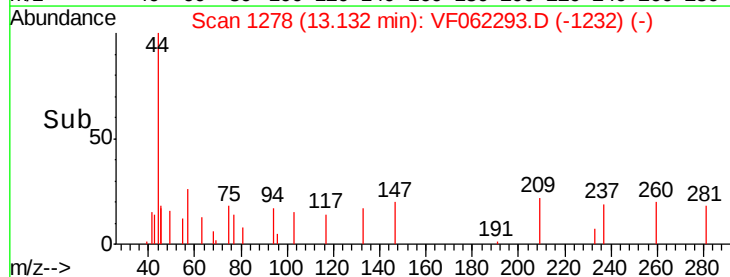


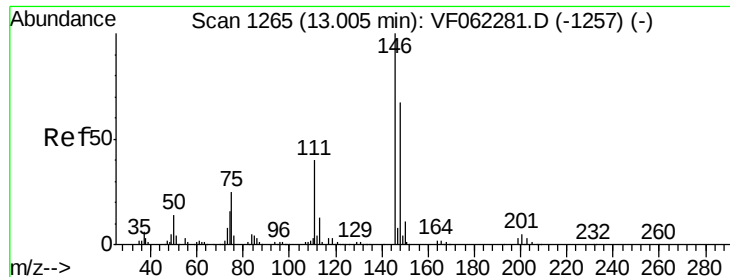
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->





#91

1,2-Dichlorobenzene

Concen: 39.452 ug/l

RT: 13.15 min Scan# 1280

Delta R.T. 0.15 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

Instrument :

MSVOA_F

ClientSampleId :

SU-03-042419-BRE

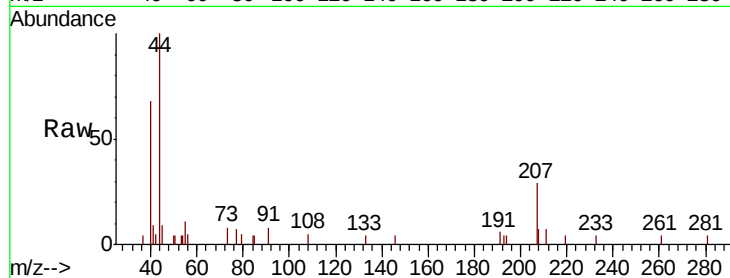
Tot Ion:146 Resp: 70

Ion Ratio Lower Upper

146 100

111 0.0 20.0 59.9#

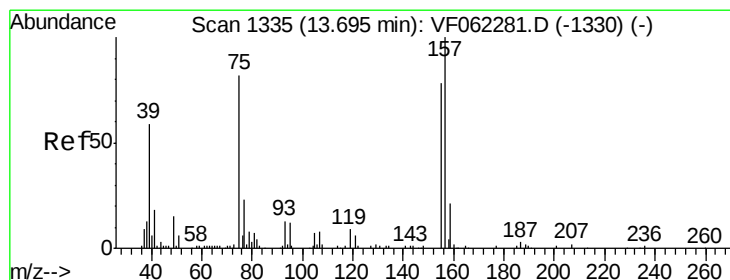
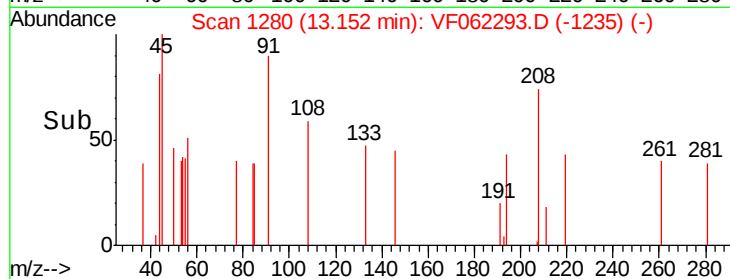
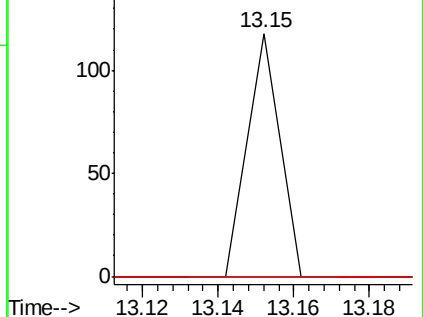
148 0.0 33.1 99.5#



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: 507.644 ug/l

RT: 13.65 min Scan# 1331

Delta R.T. -0.04 min

Lab File: VF062293.D

Acq: 25 Apr 2019 15:46

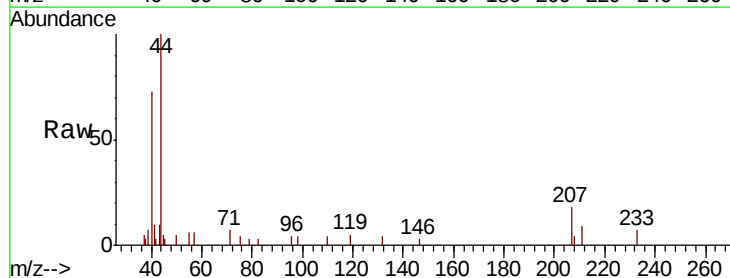
Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

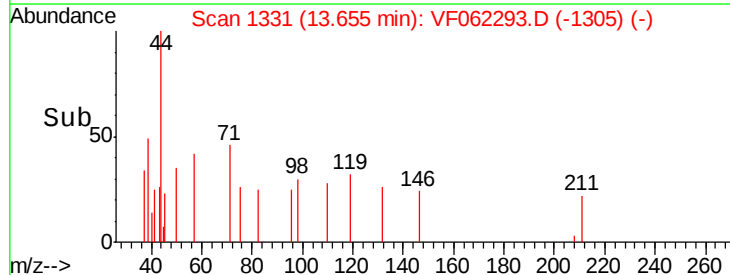
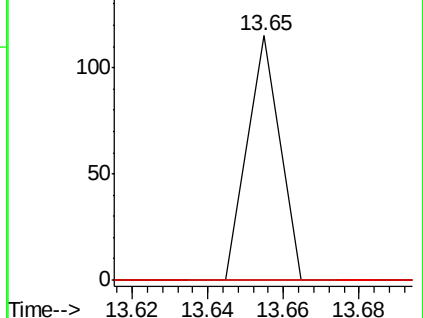
157 0.0 64.5 193.5#

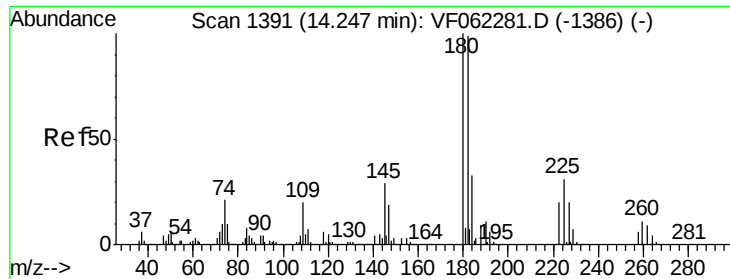


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

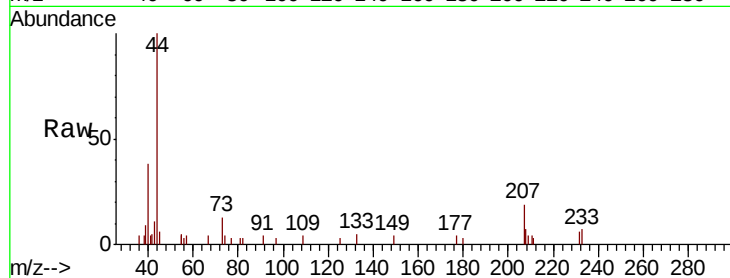




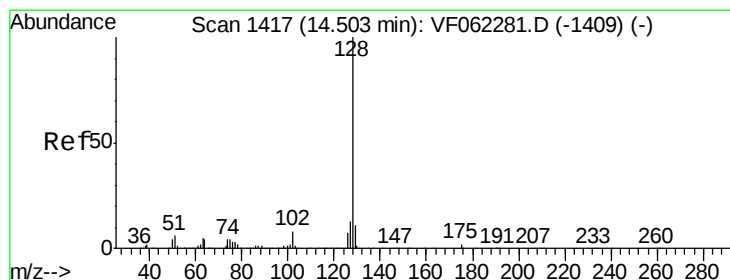
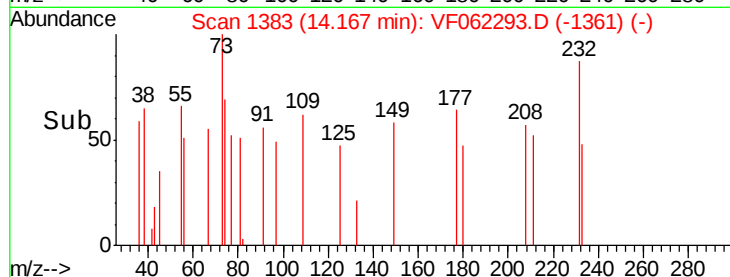
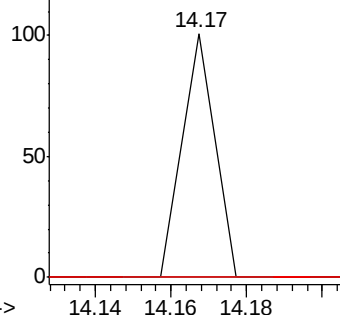
#93
 1,2,4-Trichlorobenzene
 Concen: 38.492 ug/l
 RT: 14.17 min Scan# 1383
 Delta R.T. -0.08 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-042419-BRE

Tot Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.5 145.6#
 145 0.0 16.7 50.1#

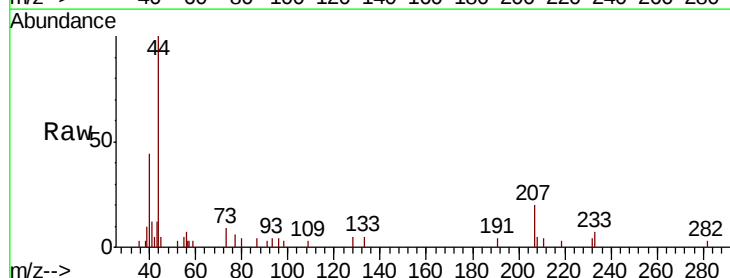


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 42.238 ug/l
 RT: 14.61 min Scan# 1428
 Delta R.T. 0.11 min
 Lab File: VF062293.D
 Acq: 25 Apr 2019 15:46

Tgt Ion:128 Resp: 102
 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

