

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060467.D
 Acq On : 5 Oct 2018 21:00
 Operator : VA/AP
 Sample : J5305-02RE
 Misc : 8.81/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

Quant Time: Oct 06 04:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.16	168	72	50.00	ug/l	0.15
34) 1,4-Difluorobenzene	5.91	114	92	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.27	117	67	50.00	ug/l	0.37
72) 1,4-Dichlorobenzene-d4	12.62	152	64	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.13	65	66	58.58	ug/l	0.14
Spiked Amount	50.000		Recovery	=	117.16%	
35) Dibromofluoromethane	4.52	113	76	87.93	ug/l	0.26
Spiked Amount	50.000		Recovery	=	175.86%	
50) Toluene-d8	7.81	98	170	79.87	ug/l	0.13
Spiked Amount	50.000		Recovery	=	159.74%	
62) 4-Bromofluorobenzene	11.81	95	159	163.60	ug/l	0.33
Spiked Amount	50.000		Recovery	=	327.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	139	94.912	ug/l #	43
3) Chloromethane	1.17	50	208	212.746	ug/l #	41
4) Vinyl Chloride	1.19	62	72	70.792	ug/l #	1
5) Bromomethane	1.30	94	177	224.678	ug/l #	3
6) Chloroethane	1.44	64	81	159.593	ug/l #	42
7) Trichlorofluoromethane	1.42	101	93	39.412	ug/l #	18
8) Diethyl Ether	1.86	74	131	405.088	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.93	101	79	69.893	ug/l #	22
10) Methyl Iodide	2.08	142	70	40.610	ug/l #	21
11) Tert butyl alcohol	2.82	59	66	968.495	ug/l #	77
12) 1,1-Dichloroethene	1.91	96	85	97.327	ug/l #	1
13) Acrolein	2.14	56	111	2025.387	ug/l	89
14) Allyl chloride	2.23	41	455	325.139	ug/l #	1
15) Acrylonitrile	3.19	53	80	685.110	ug/l #	46
16) Acetone	2.41	43	428	2011.316	ug/l #	66
17) Carbon Disulfide	2.06	76	159	60.123	ug/l #	68
18) Methyl Acetate	2.35	43	504	1232.327	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	67	31.497	ug/l #	1
20) Methylene Chloride	2.22	84	87	112.797	ug/l #	1
21) trans-1,2-Dichloroethene	2.52	96	68	77.960	ug/l #	1
22) Diisopropyl ether	2.96	45	184	72.438	ug/l #	1
23) Vinyl Acetate	3.42	43	287	284.437	ug/l #	81
24) 1,1-Dichloroethane	3.11	63	81	47.156	ug/l #	90
25) 2-Butanone	4.60	43	605	2073.889	ug/l #	60
26) 2,2-Dichloropropane	3.82	77	84	86.342	ug/l #	61
27) cis-1,2-Dichloroethene	3.69	96	100	102.540	ug/l	42
28) Bromochloromethane	3.92	49	217	342.777	ug/l #	10
29) Tetrahydrofuran	4.35	42	69	634.946	ug/l #	34
30) Chloroform	4.13	83	62	29.252	ug/l #	15
31) Cyclohexane	3.88	56	60	48.644	ug/l #	17
32) 1,1,1-Trichloroethane	4.33	97	195	110.559	ug/l #	23
36) 1,1-Dichloropropene	4.46	75	80	70.529	ug/l #	45
37) Ethyl Acetate	4.37	43	163	375.261	ug/l #	1
38) Carbon Tetrachloride	4.21	117	68	49.251	ug/l #	13

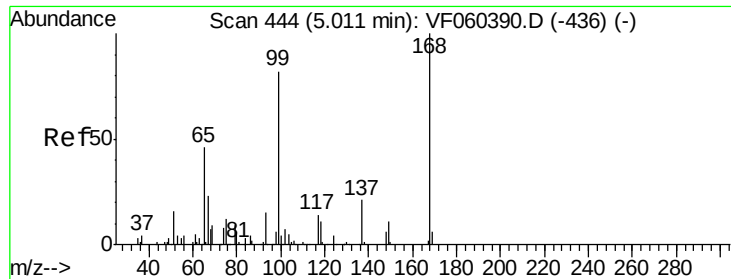
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060467.D
 Acq On : 5 Oct 2018 21:00
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.77	83	78	70.144	ug/l #	74
40) Benzene	4.92	78	60	26.646	ug/l #	1
41) Methacrylonitrile	5.00	41	196	851.030	ug/l #	52
42) 1,2-Dichloroethane	5.27	62	86	80.055	ug/l	83
43) Isopropyl Acetate	7.28	43	73	139.069	ug/l #	44
44) Trichloroethene	5.90	130	73	101.036	ug/l	1
45) 1,2-Dichloropropane	6.53	63	119	198.442	ug/l #	24
46) Dibromomethane	6.26	93	68	141.038	ug/l #	9
47) Bromodichloromethane	6.74	83	129	108.032	ug/l #	23
48) Methyl methacrylate	7.02	41	185	490.971	ug/l #	14
49) 1,4-Dioxane	6.92	88	91	28009.608	ug/l #	25
51) 4-Methyl-2-Pentanone	8.61	43	463	1239.093	ug/l #	39
52) Toluene	7.96	92	93	60.806	ug/l #	1
53) t-1,3-Dichloropropene	8.61	75	180	192.349	ug/l #	44
54) cis-1,3-Dichloropropene	7.56	75	62	56.689	ug/l #	15
55) 1,1,2-Trichloroethane	8.69	97	167	344.476	ug/l #	18
56) Ethyl methacrylate	8.99	69	73	132.514	ug/l #	31
57) 1,3-Dichloropropane	9.21	76	98	119.491	ug/l #	43
59) 2-Hexanone	9.91	43	173	631.215	ug/l #	27
60) Dibromochloromethane	9.17	129	110	150.699	ug/l #	11
65) Chlorobenzene	10.03	112	71	51.587	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	60	99.843	ug/l #	9
67) Ethyl Benzene	10.03	91	70	26.749	ug/l #	47
68) m/p-Xylenes	10.28	106	79	87.817	ug/l #	1
69) o-Xylene	10.91	106	62	63.228	ug/l #	1
70) Styrene	10.91	104	250	179.241	ug/l #	29
71) Bromoform	10.73	173	100	312.553	ug/l #	32
74) N-amyl acetate	11.46	43	123	106.353	ug/l #	46
76) 1,2,3-Trichloropropane	11.88	75	95	140.458	ug/l #	39
79) 2-Chlorotoluene	11.84	91	154	43.095	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.00	105	86	20.087	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.93	75	71	236.812	ug/l #	15
82) 4-Chlorotoluene	11.96	91	134	36.649	ug/l #	43
83) tert-Butylbenzene	12.24	119	88	20.839	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.33	105	63	14.838	ug/l #	30
85) sec-Butylbenzene	12.33	105	63	10.808	ug/l #	58
86) p-Isopropyltoluene	12.54	119	62	13.020	ug/l #	49
89) n-Butylbenzene	12.94	91	60	11.907	ug/l #	28
90) Hexachloroethane	12.94	117	67	54.437	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	13.73	75	143	802.897	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.16	180	151	99.472	ug/l #	10
94) Hexachlorobutadiene	14.12	225	62	58.519	ug/l #	17
95) Naphthalene	14.51	128	79	29.107	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.61	180	60	42.165	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.16 min Scan# 459

Delta R.T. 0.15 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

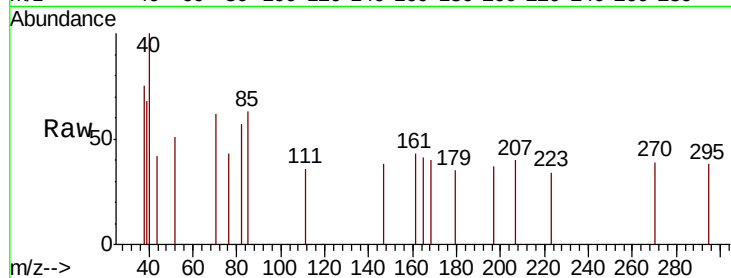
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion:168 Resp: 72

Ion Ratio Lower Upper

168 100

99 0.0 65.3 97.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

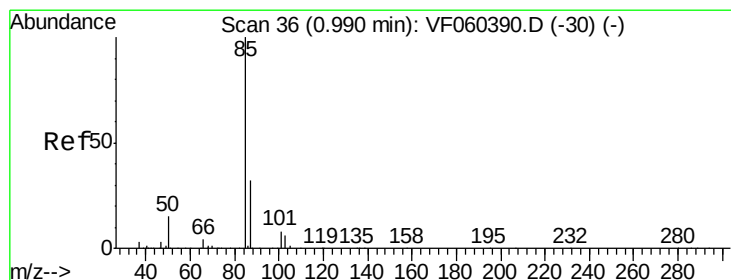
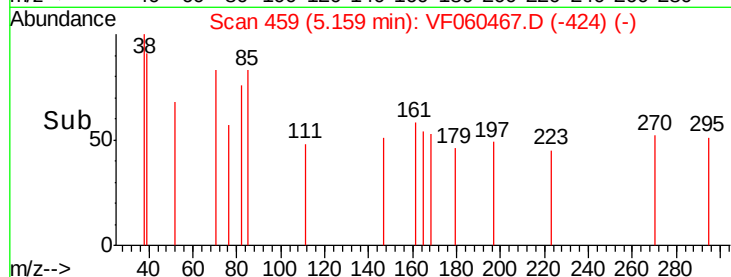
5.16

100

50

0

Time-->



#2

Dichlorodifluoromethane

Concen: 94.912 ug/l

RT: 1.02 min Scan# 39

Delta R.T. 0.03 min

Lab File: VF060467.D

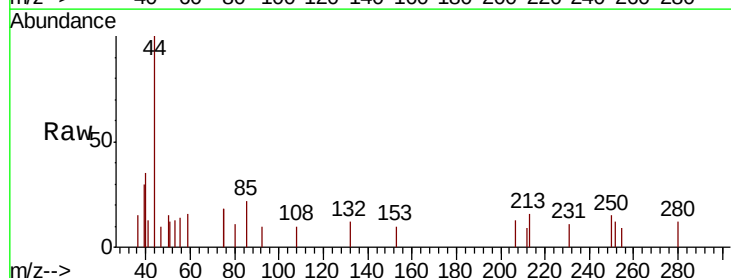
Acq: 5 Oct 2018 21:00

Tgt Ion: 85 Resp: 139

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

250

200

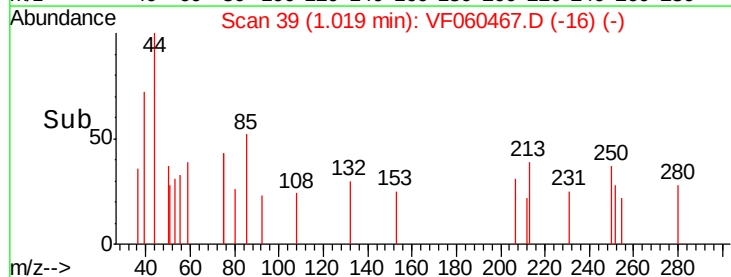
150

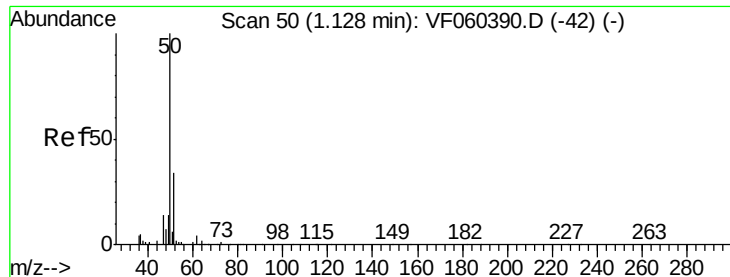
100

50

0

Time-->





#3

Chloromethane

Concen: 212.746 ug/l

RT: 1.17 min Scan# 54

Delta R.T. 0.04 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

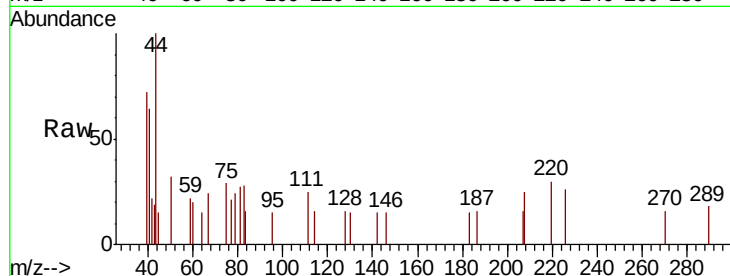
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion: 50 Resp: 208

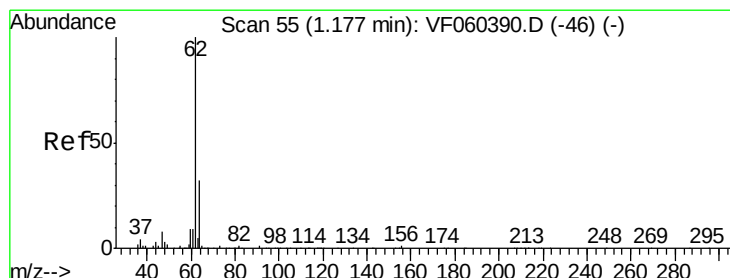
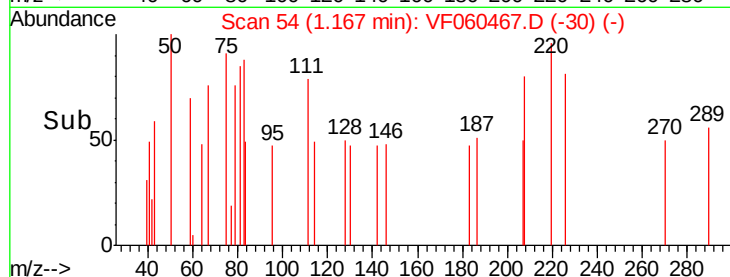
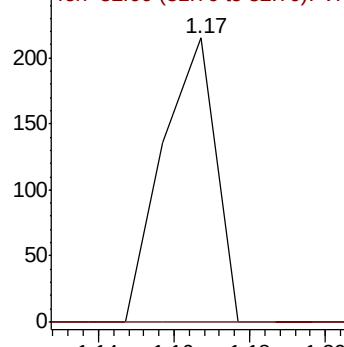
Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 70.792 ug/l

RT: 1.19 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060467.D

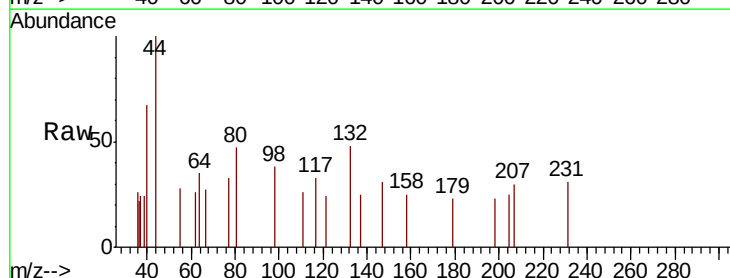
Acq: 5 Oct 2018 21:00

Tgt Ion: 62 Resp: 72

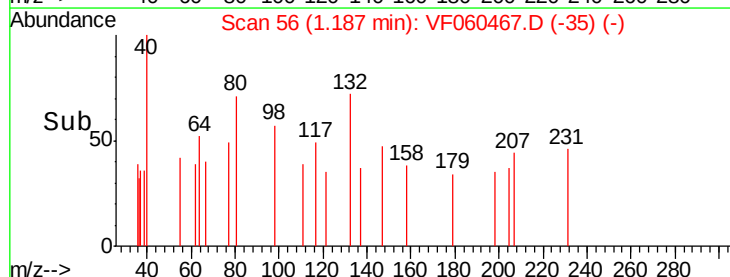
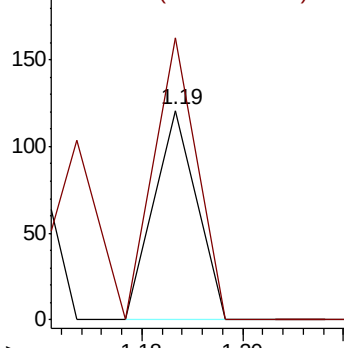
Ion Ratio Lower Upper

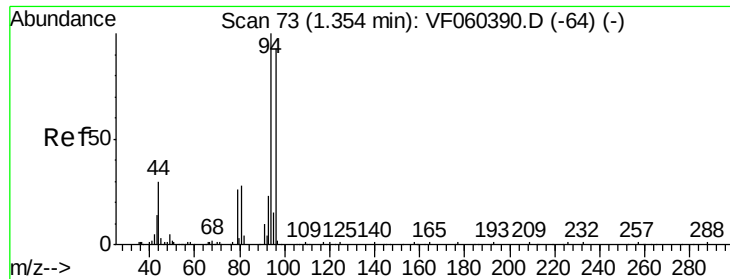
62 100

64 134.7 25.8 38.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 224.678 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.05 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

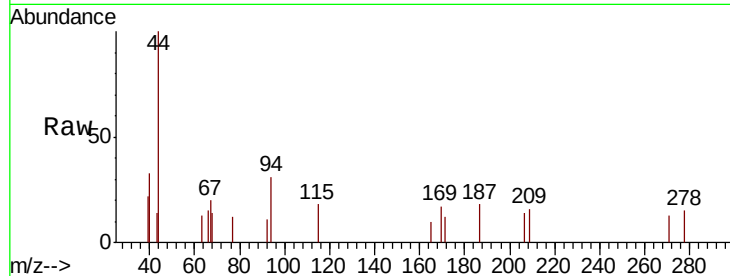
331-SAND-SOILRE

Tot Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.30

300

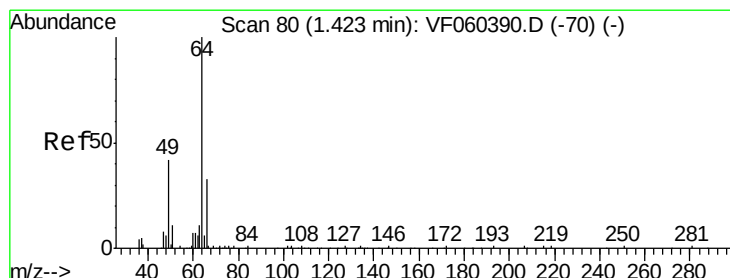
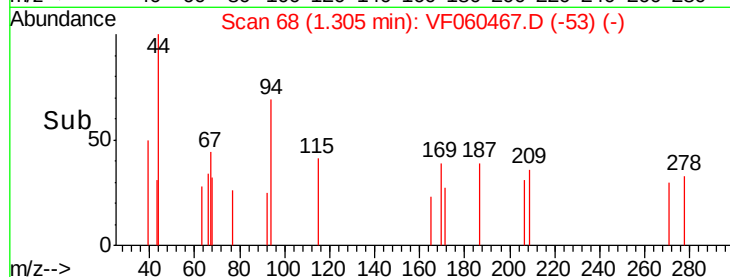
200

100

0

1.28 1.30 1.32

Time-->



#6

Chloroethane

Concen: 159.593 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060467.D

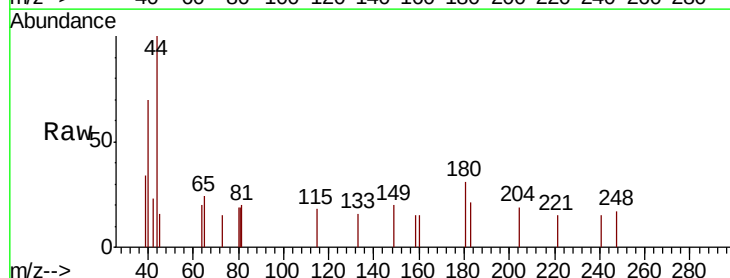
Acq: 5 Oct 2018 21:00

Tgt Ion: 64 Resp: 81

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.44

150

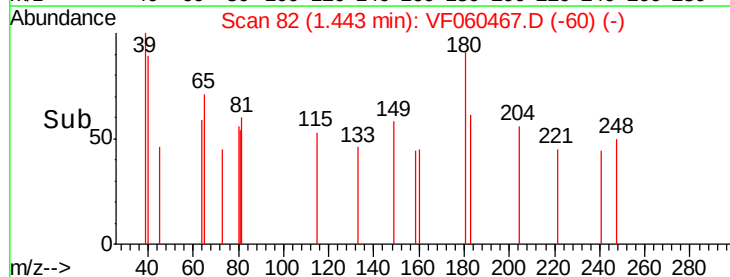
100

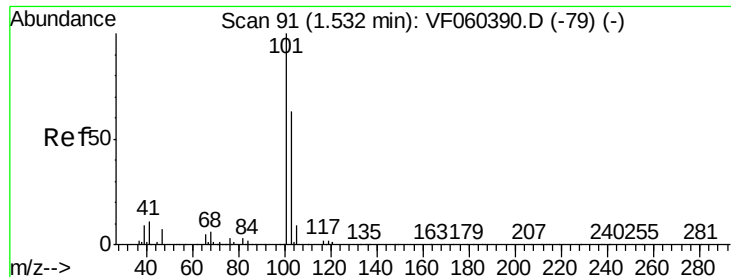
50

0

1.42 1.44 1.46

Time-->



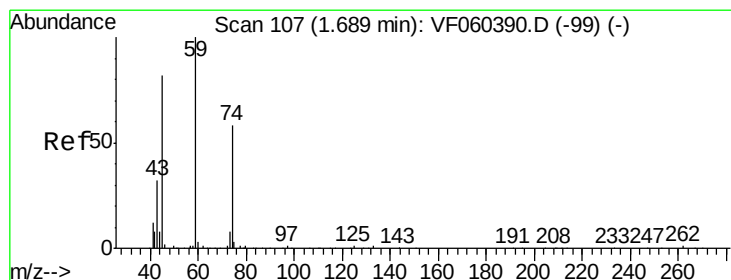
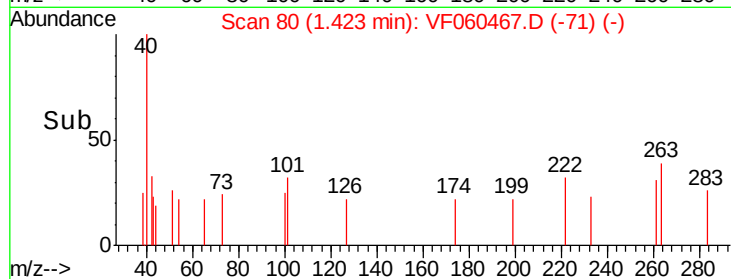
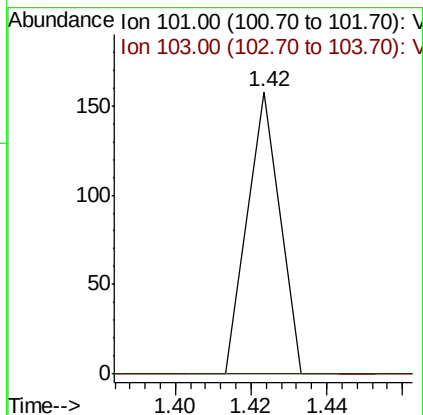
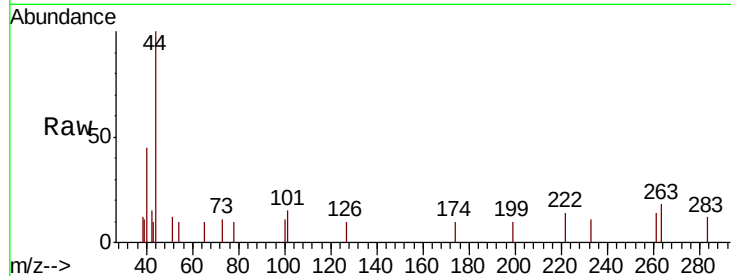


#7

Trichlorofluoromethane
Concen: 39.412 ug/l
RT: 1.42 min Scan# 80
Delta R.T. -0.11 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

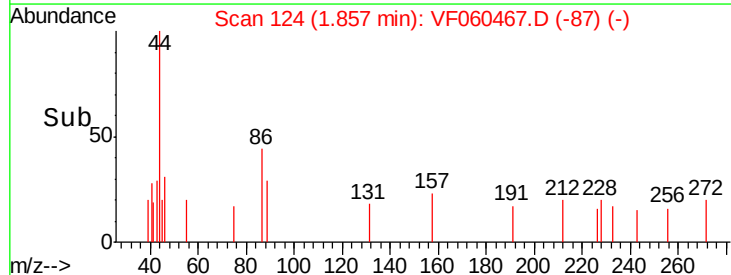
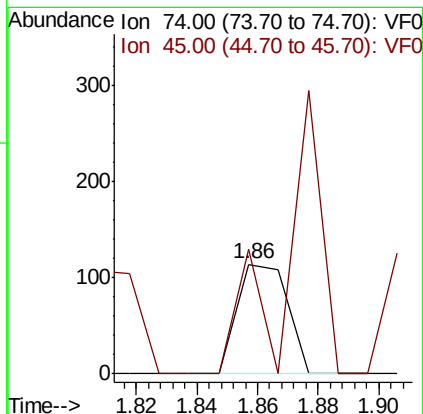
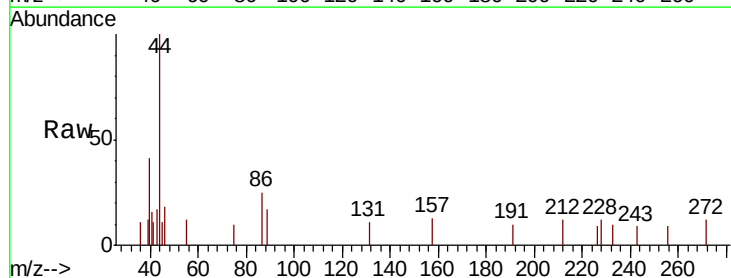
Tot Ion:101 Resp: 93
Ion Ratio Lower Upper
101 100
103 0.0 51.0 76.4#

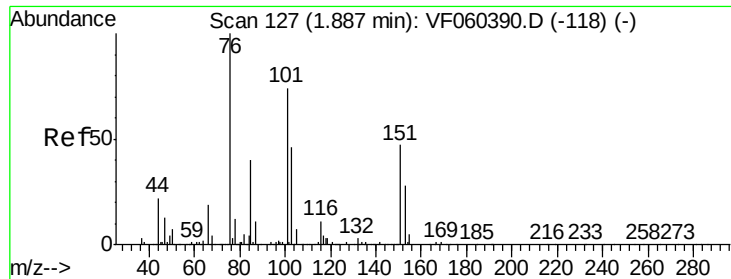


#8

Diethyl Ether
Concen: 405.088 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.17 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 74 Resp: 131
Ion Ratio Lower Upper
74 100
45 113.2 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.893 ug/l

RT: 1.93 min Scan# 131

Delta R.T. 0.04 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

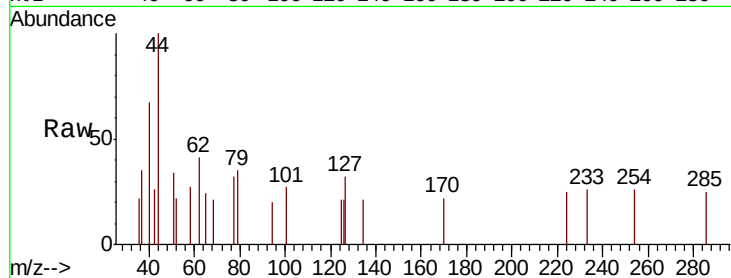
Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

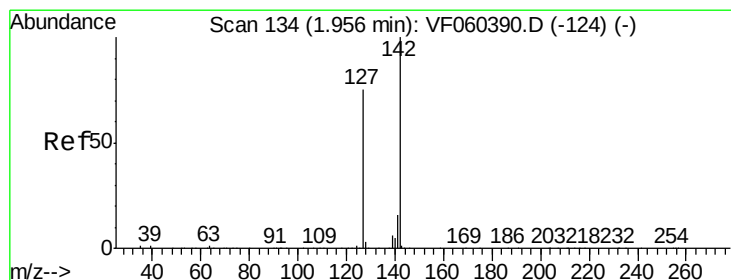
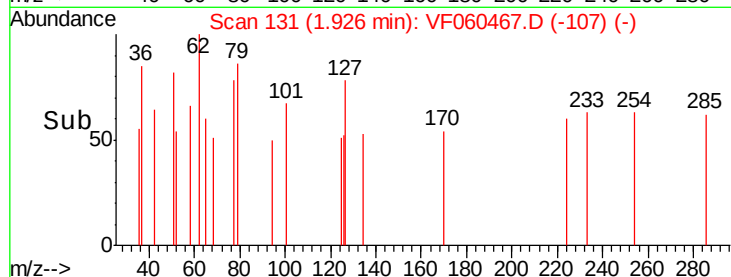
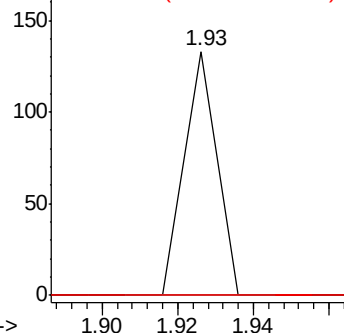
Tot Ion:	101	Resp:	79
Ion Ratio	Lower	Upper	
101	100		
85	0.0	42.5	63.7#
151	0.0	49.8	74.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 40.610 ug/l

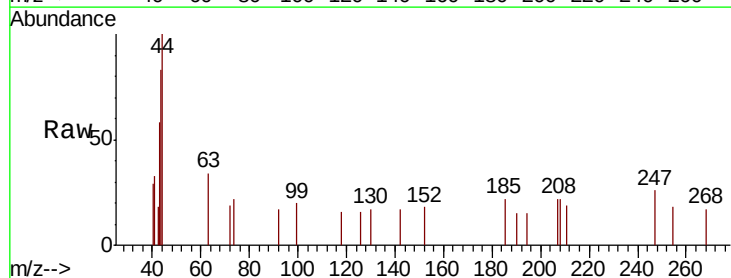
RT: 2.08 min Scan# 147

Delta R.T. 0.13 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

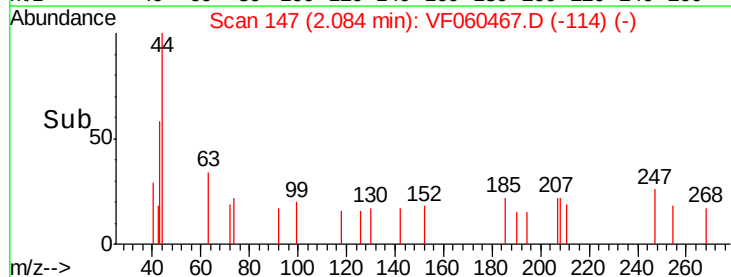
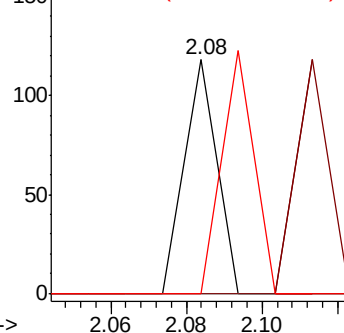
Tgt Ion:	142	Resp:	70
Ion Ratio	Lower	Upper	
142	100		
127	0.0	60.2	90.2#
141	0.0	13.1	19.7#

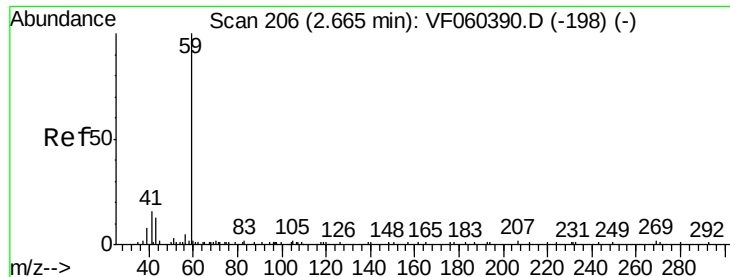


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

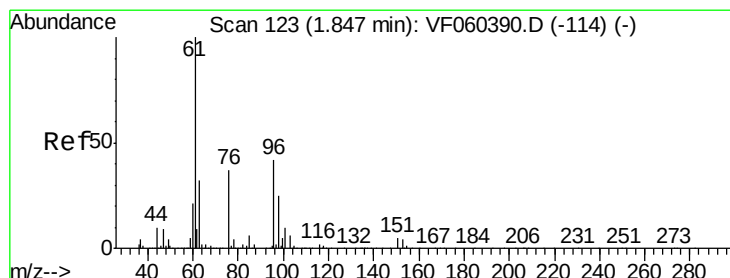
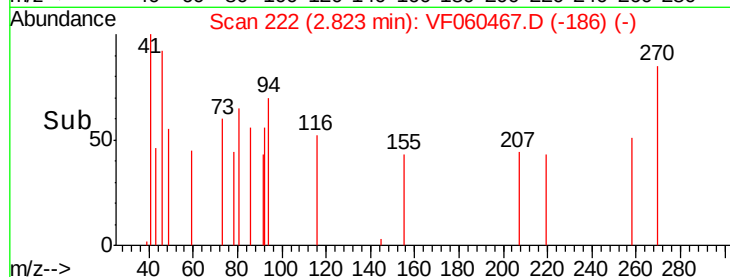
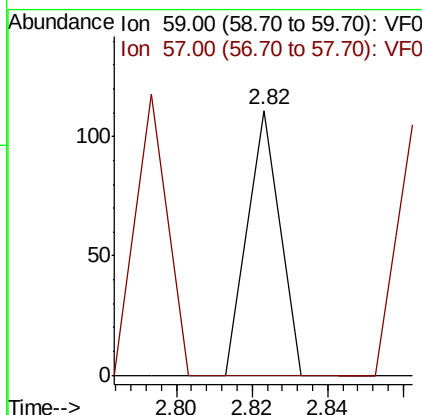
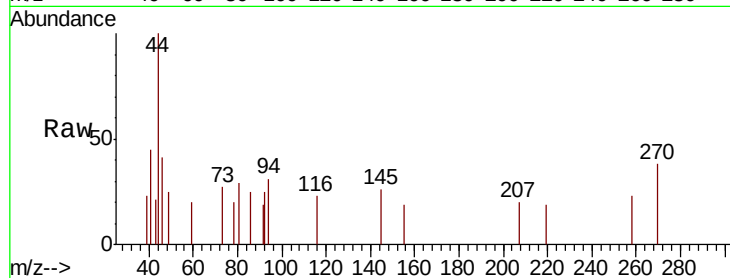




#11
Tert butyl alcohol
Concen: 968.495 ug/l
RT: 2.82 min Scan# 222
Delta R.T. 0.16 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

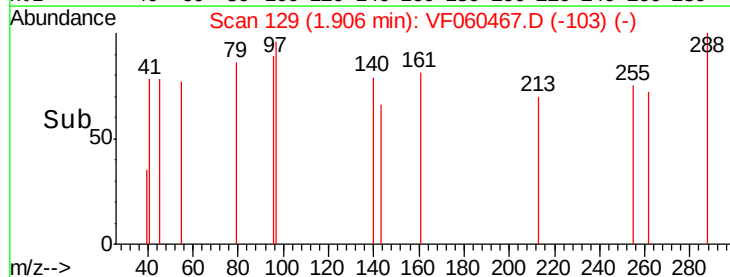
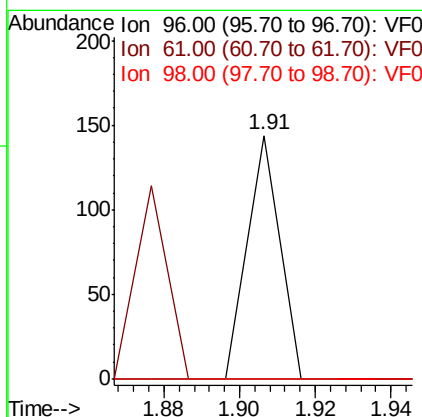
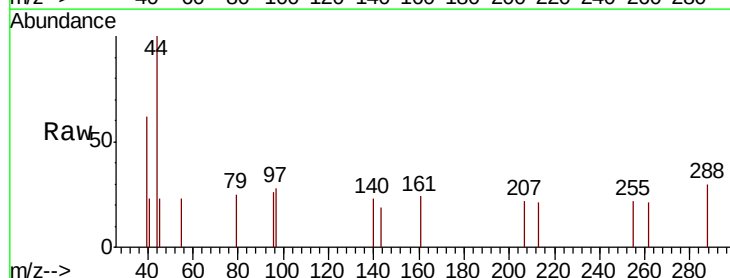
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

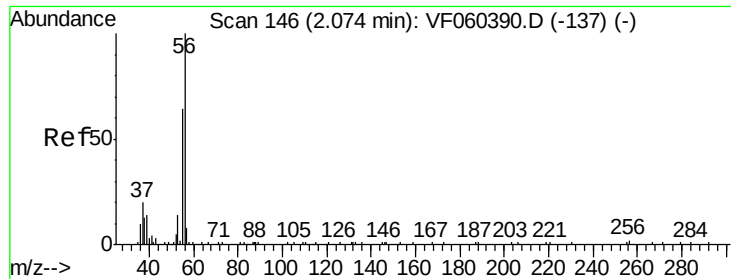
Tot Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#12
1,1-Dichloroethene
Concen: 97.327 ug/l
RT: 1.91 min Scan# 129
Delta R.T. 0.06 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 96 Resp: 85
Ion Ratio Lower Upper
96 100
61 0.0 189.4 284.0#
98 0.0 47.8 71.6#

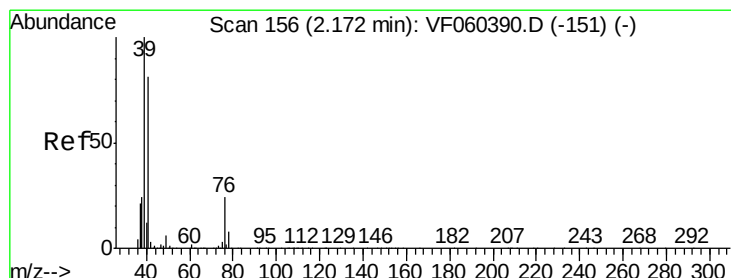
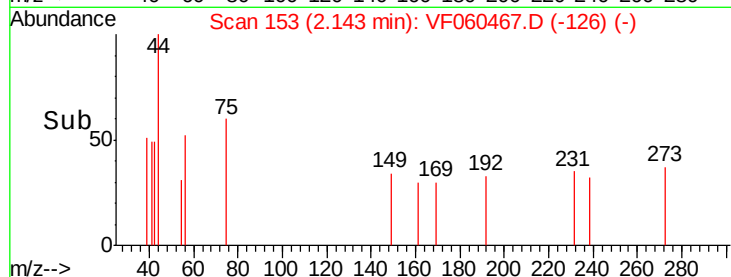
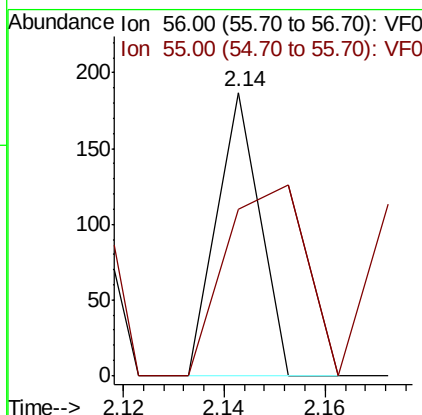
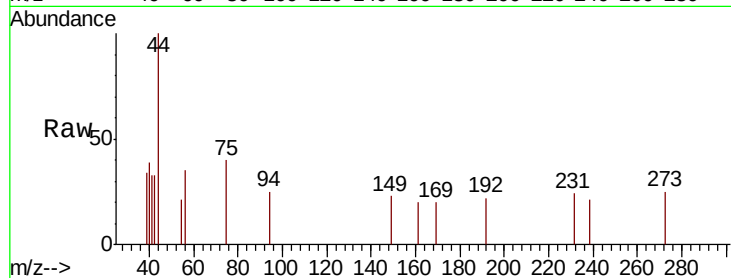




#13
Acrolein
Concen: 2025.387 ug/l
RT: 2.14 min Scan# 153
Delta R.T. 0.07 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

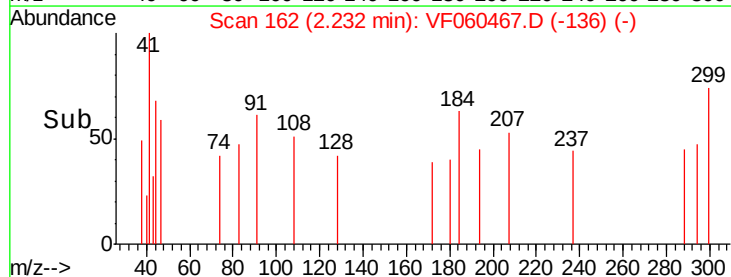
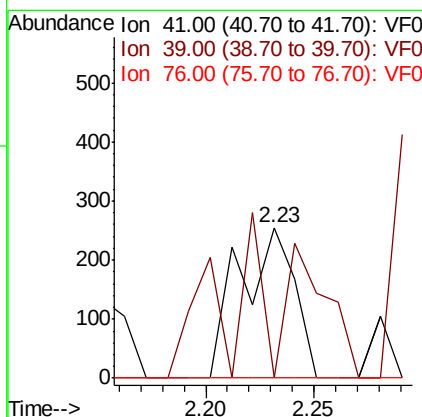
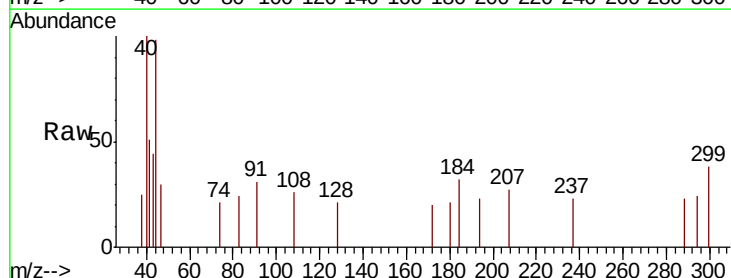
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

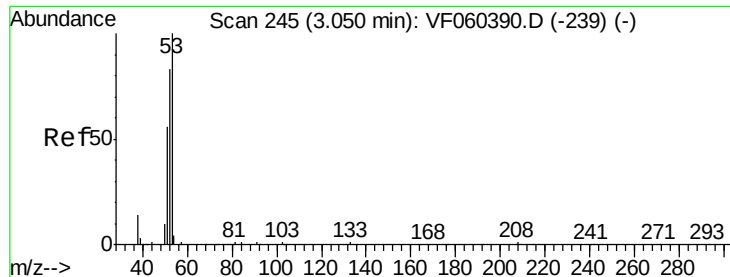
Tot Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 58.8 53.9 80.9



#14
Allyl chloride
Concen: 325.139 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.06 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 41 Resp: 455
Ion Ratio Lower Upper
41 100
39 0.0 98.3 147.5#
76 0.0 23.9 35.9#





#15

Acrylonitrile

Concen: 685.110 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.14 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

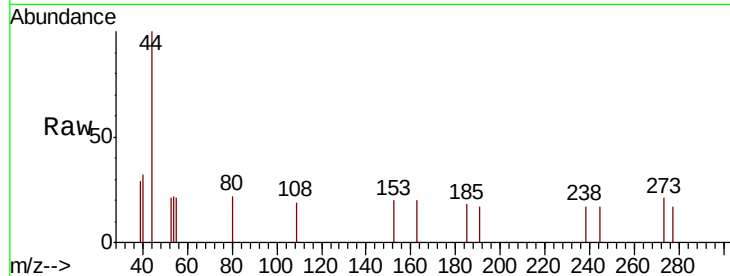
Tot Ion: 53 Resp: 80

Ion Ratio Lower Upper

53 100

52 48.9 66.0 99.0#

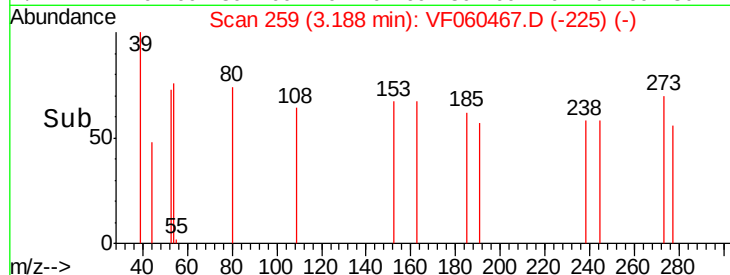
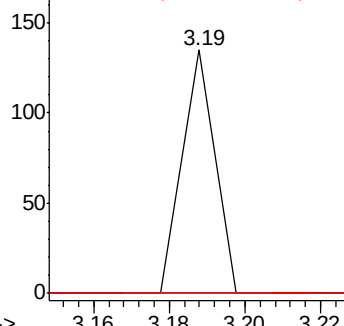
51 0.0 45.6 68.4#



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: 2011.316 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.09 min

Lab File: VF060467.D

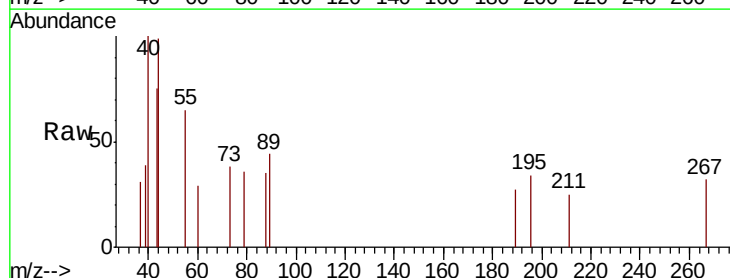
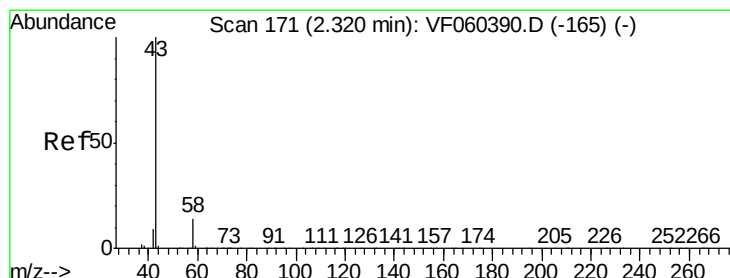
Acq: 5 Oct 2018 21:00

Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

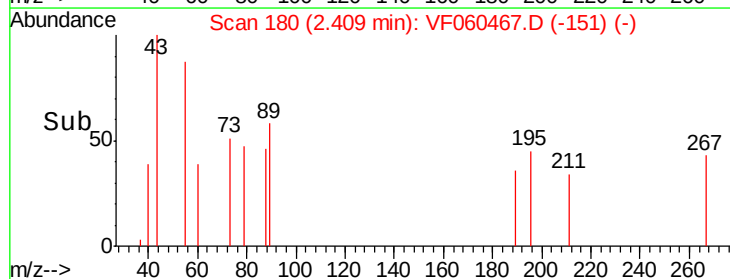
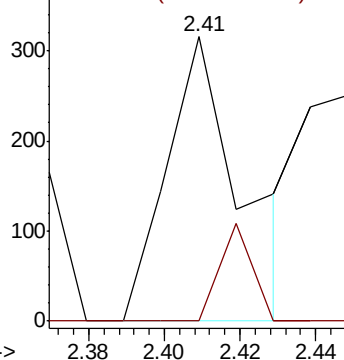
43 100

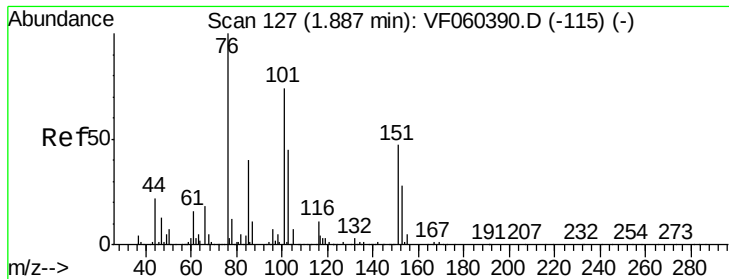
58 0.0 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

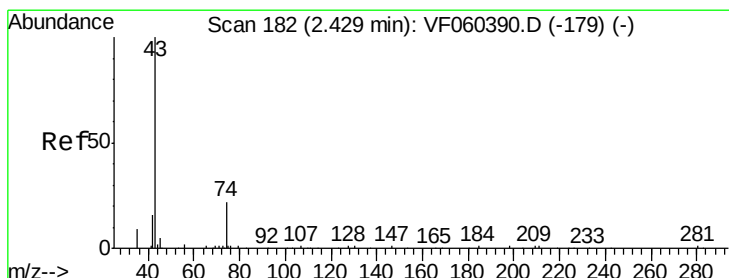
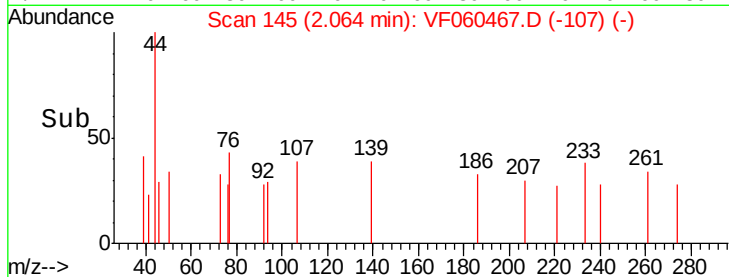
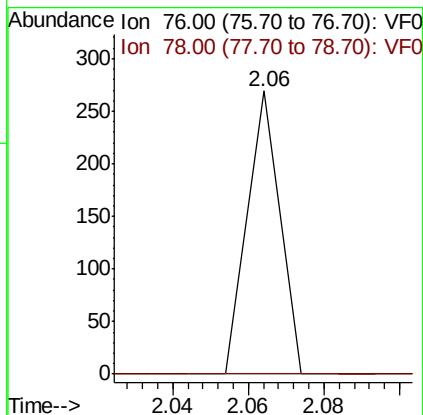
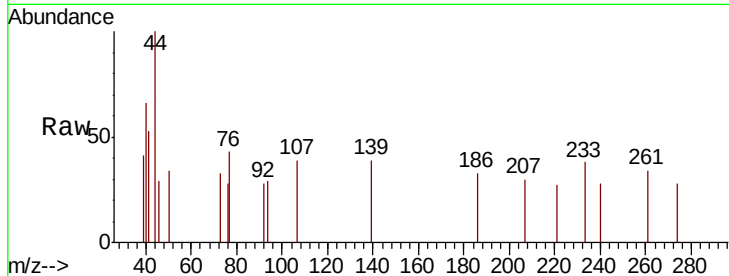




#17
Carbon Disulfide
Concen: 60.123 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.18 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

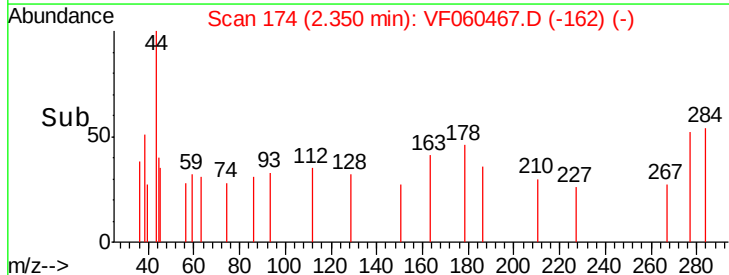
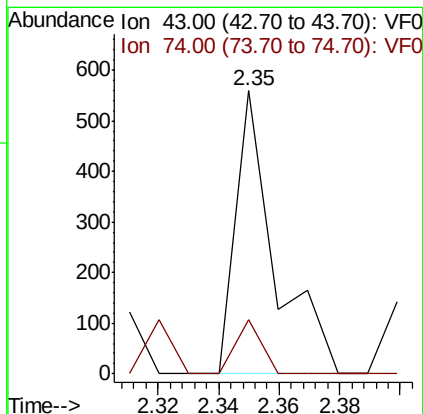
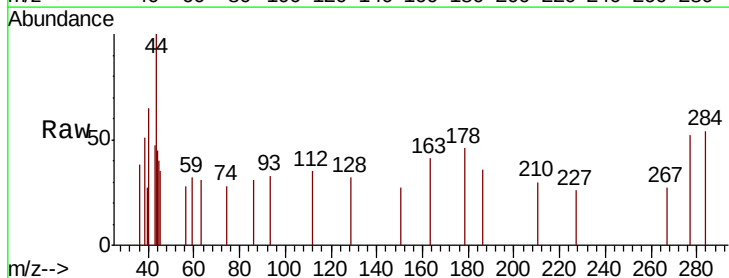
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

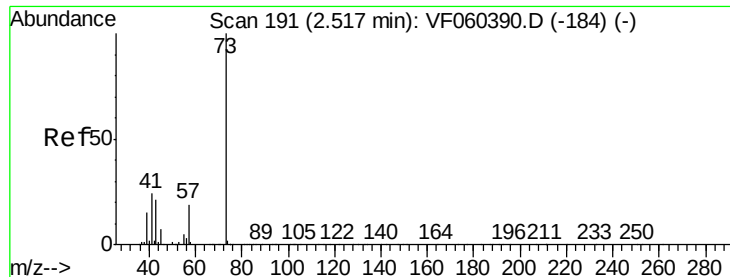
Tot Ion: 76 Resp: 159
Ion Ratio Lower Upper
76 100
78 0.0 10.1 15.1#



#18
Methyl Acetate
Concen: 1232.327 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.08 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
74 19.0 15.8 23.8



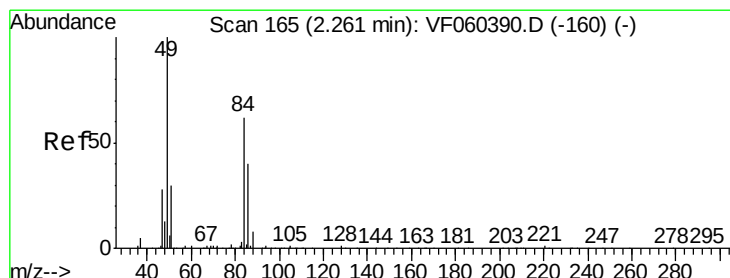
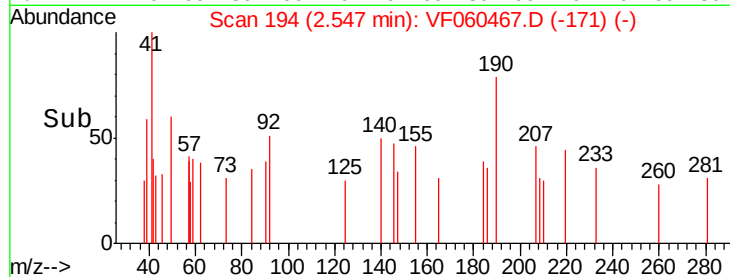
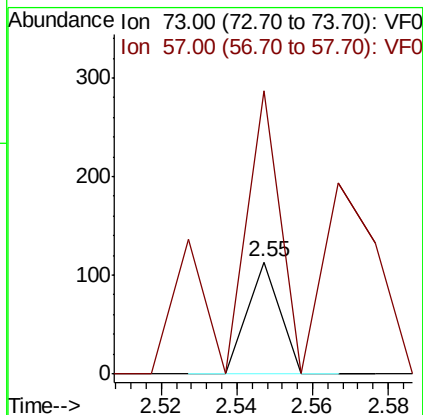
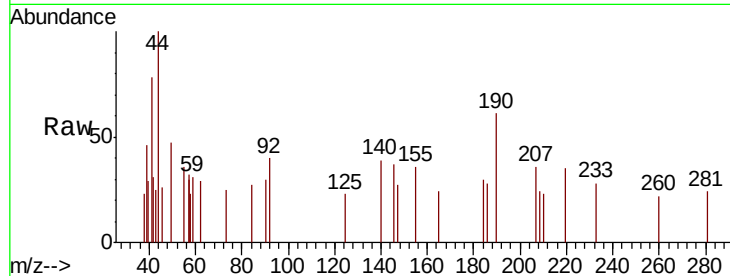


#19

Methyl tert-butyl Ether
 Concen: 31.497 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. 0.03 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

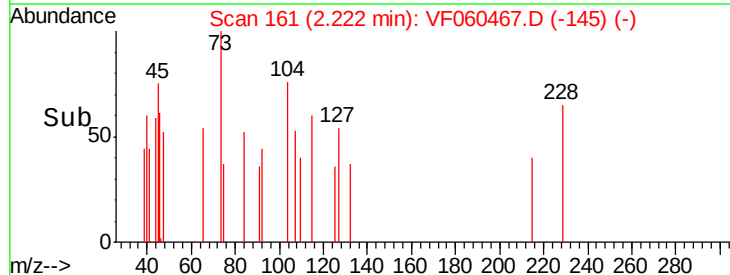
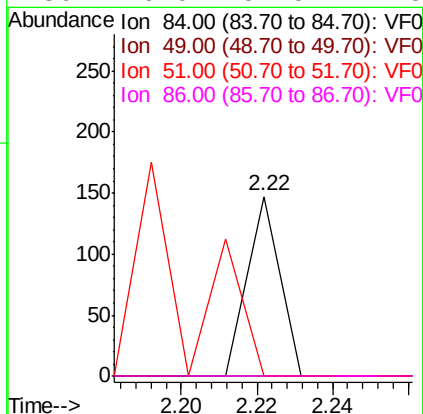
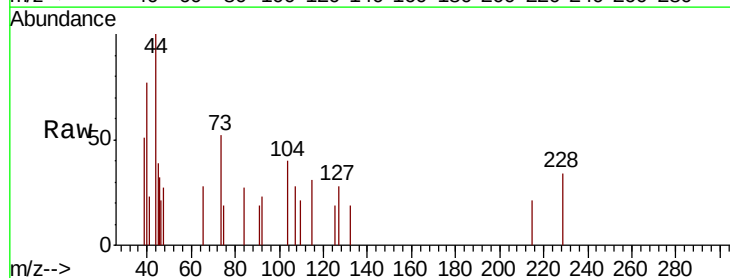
Tot Ion: 73 Resp: 67
 Ion Ratio Lower Upper
 73 100
 57 254.0 15.9 23.9#

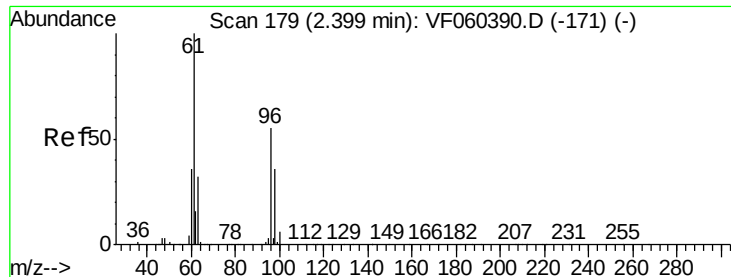


#20

Methylene Chloride
 Concen: 112.797 ug/l
 RT: 2.22 min Scan# 161
 Delta R.T. -0.04 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Tgt Ion: 84 Resp: 87
 Ion Ratio Lower Upper
 84 100
 49 0.0 130.2 195.2#
 51 0.0 41.0 61.6#
 86 0.0 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 77.960 ug/l

RT: 2.52 min Scan# 191

Delta R.T. 0.12 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

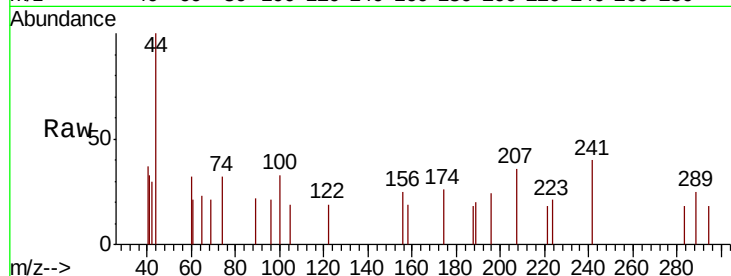
Tot Ion: 96 Resp: 68

Ion Ratio Lower Upper

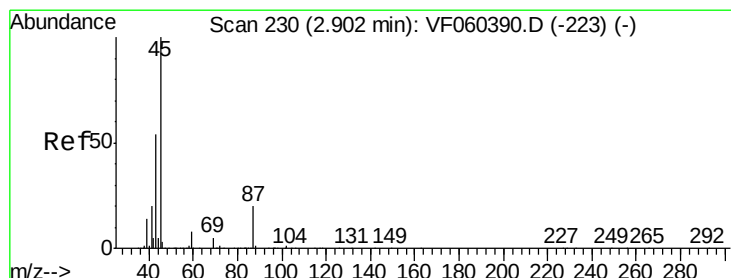
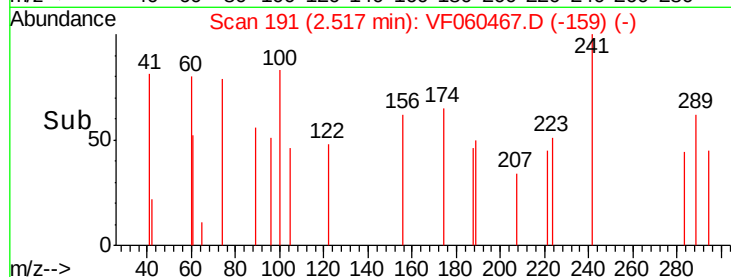
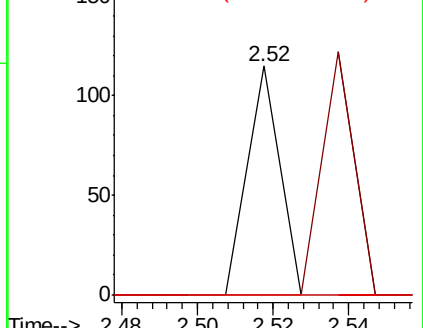
96 100

61 0.0 146.2 219.2#

98 0.0 52.6 78.8#



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 72.438 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.06 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Tgt Ion: 45 Resp: 184

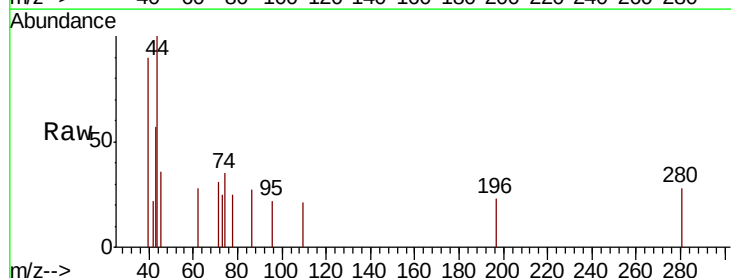
Ion Ratio Lower Upper

45 100

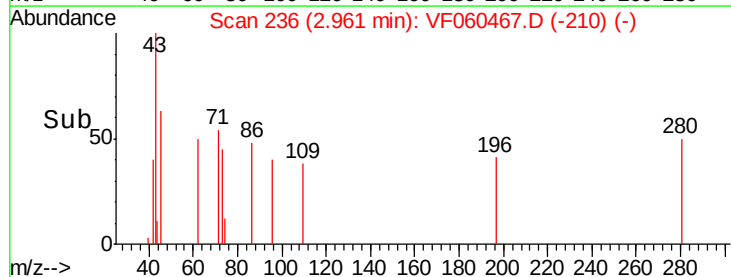
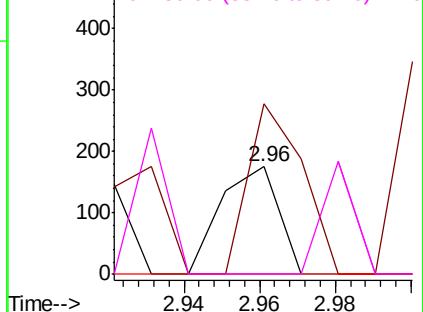
43 158.9 43.8 65.8#

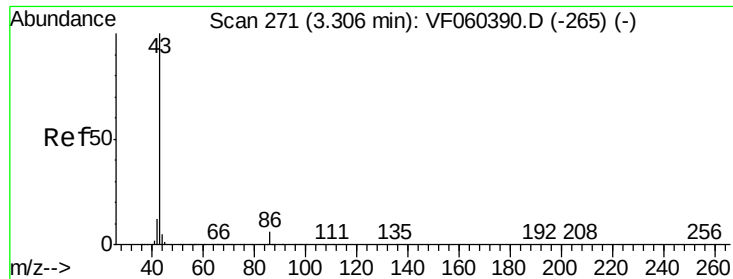
87 0.0 16.3 24.5#

59 0.0 6.6 10.0#



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: 284.437 ug/l

RT: 3.42 min Scan# 283

Delta R.T. 0.12 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

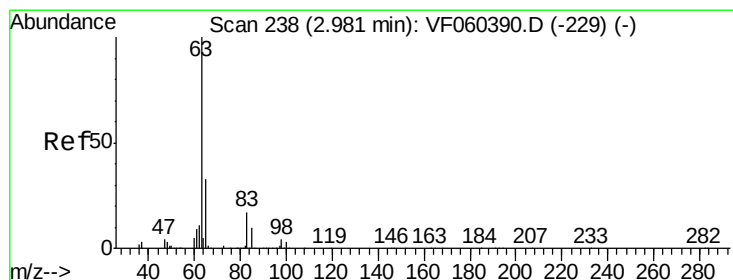
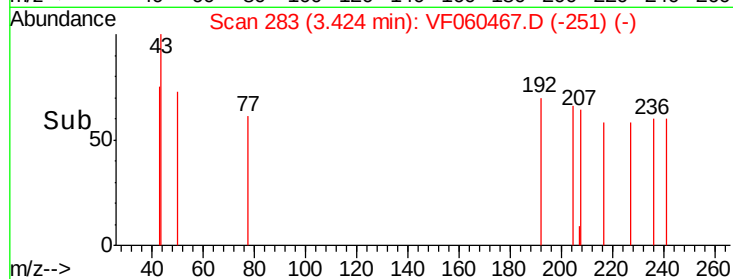
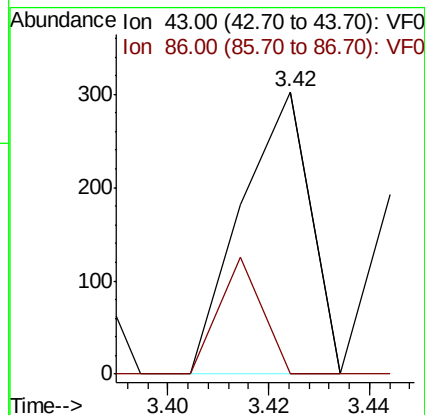
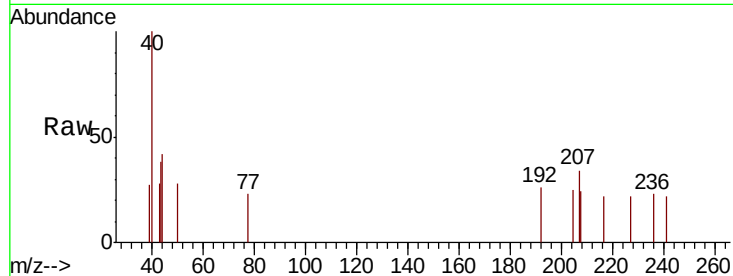
331-SAND-SOILRE

Tot Ion: 43 Resp: 287

Ion Ratio Lower Upper

43 100

86 0.0 5.1 7.7#



#24

1,1-Dichloroethane

Concen: 47.156 ug/l

RT: 3.11 min Scan# 251

Delta R.T. 0.13 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

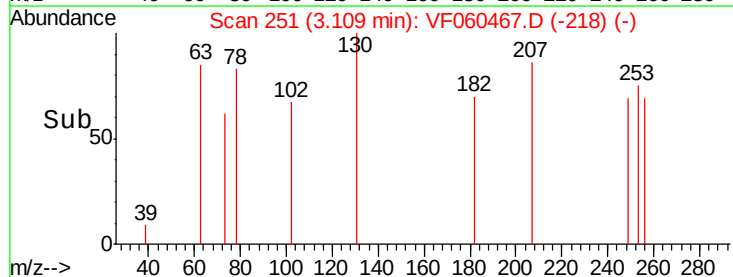
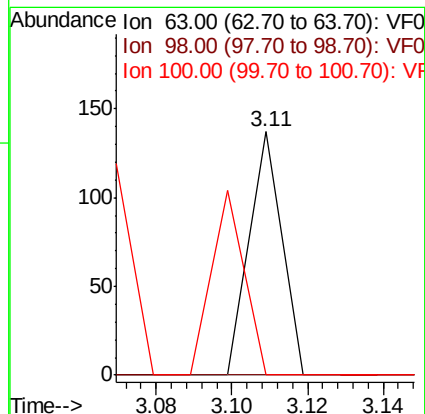
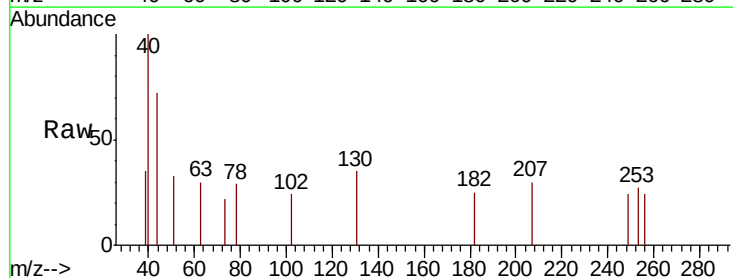
Tgt Ion: 63 Resp: 81

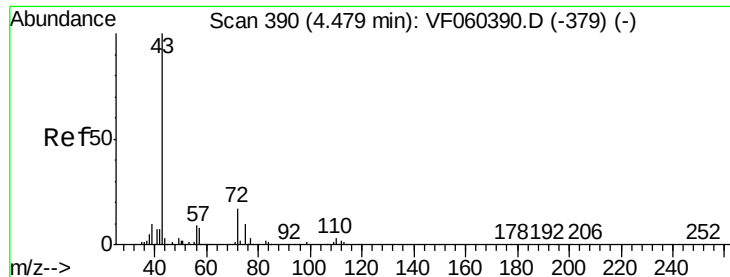
Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

100 0.0 1.4 4.2#





#25

2-Butanone

Concen: 2073.889 ug/l

RT: 4.60 min Scan# 402

Delta R.T. 0.12 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

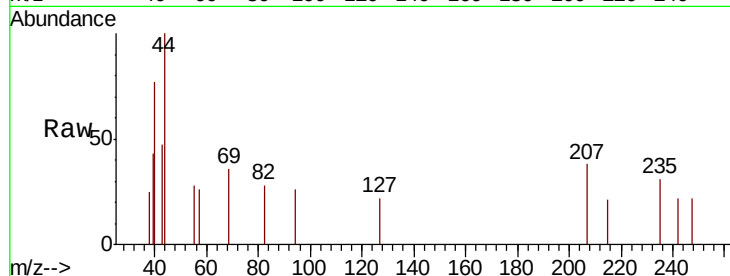
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion: 43 Resp: 605

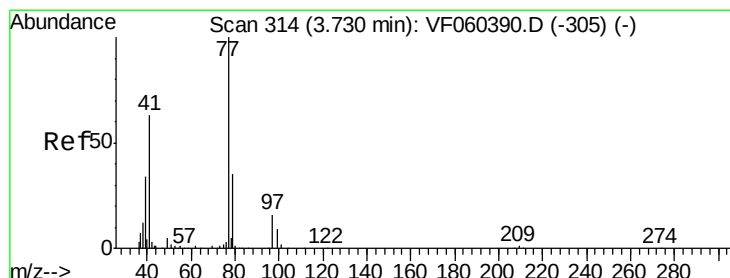
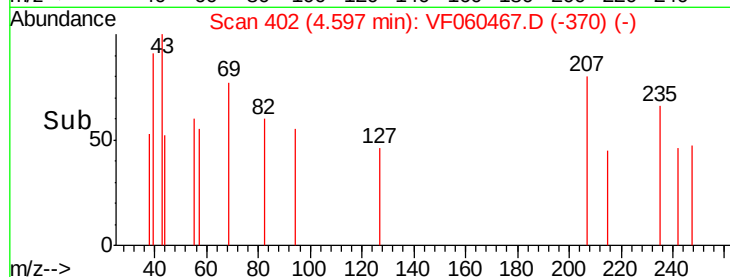
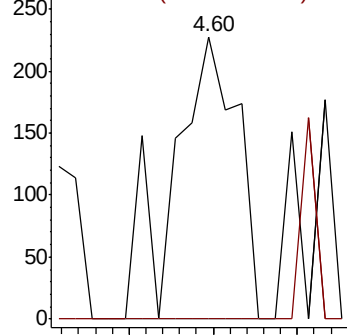
Ion Ratio Lower Upper

43 100

72 0.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 86.342 ug/l

RT: 3.82 min Scan# 323

Delta R.T. 0.09 min

Lab File: VF060467.D

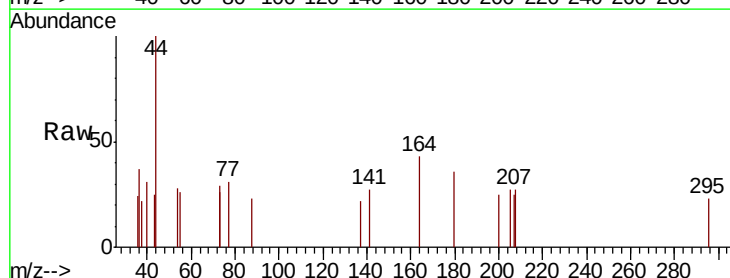
Acq: 5 Oct 2018 21:00

Tgt Ion: 77 Resp: 84

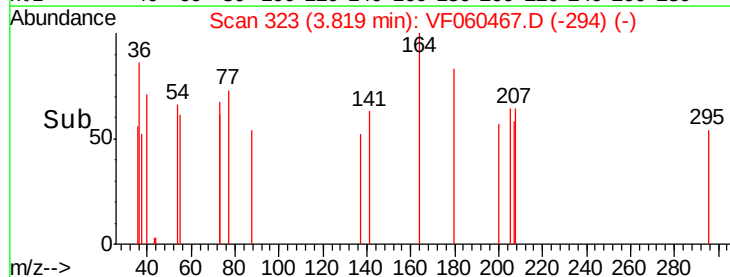
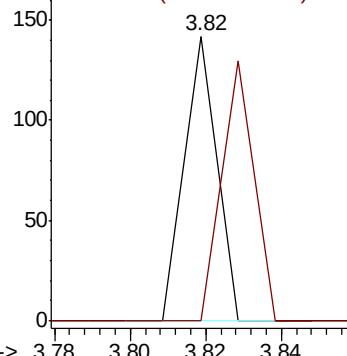
Ion Ratio Lower Upper

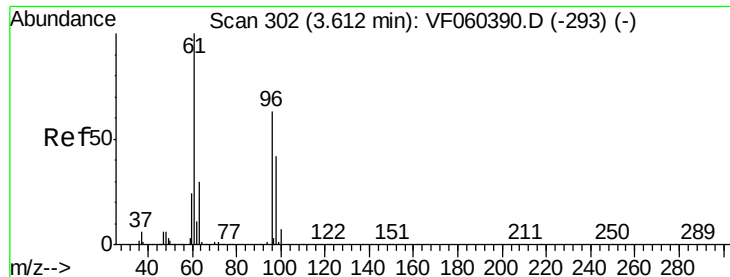
77 100

97 0.0 8.3 25.1#



Abundance Ion 77.00 (76.70 to 77.70): VF0
Ion 97.00 (96.70 to 97.70): VF0



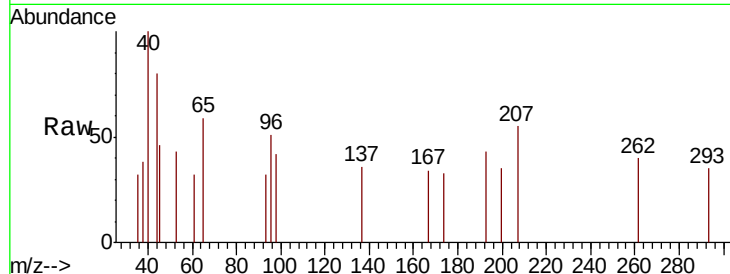


#27

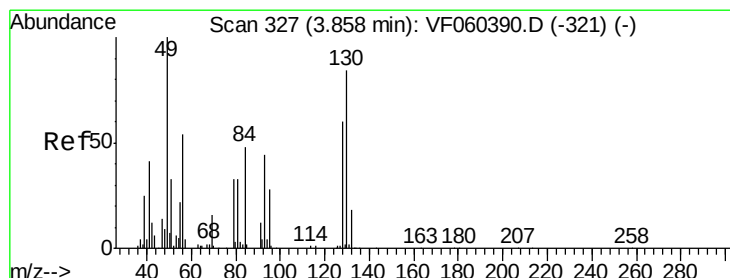
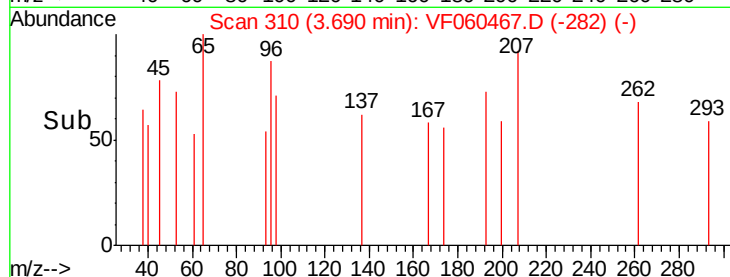
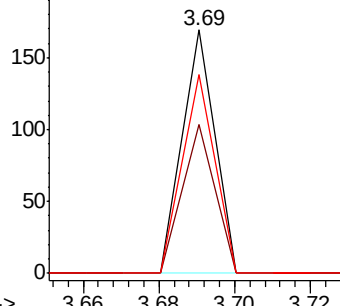
cis-1,2-Dichloroethene
Concen: 102.540 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.08 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion: 96 Resp: 100
Ion Ratio Lower Upper
96 100
61 61.5 0.0 318.2
98 81.7 0.0 134.0



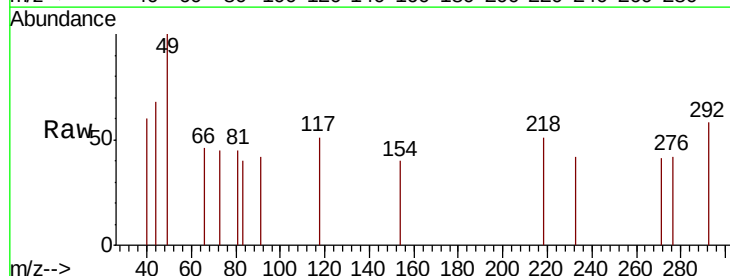
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



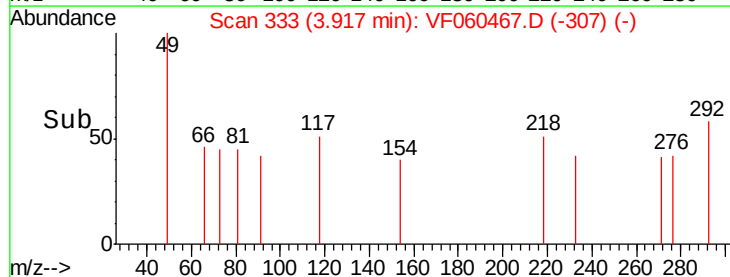
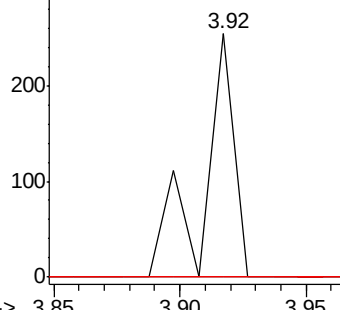
#28

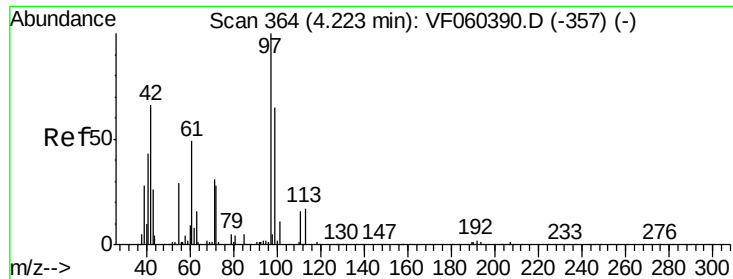
Bromochloromethane
Concen: 342.777 ug/l
RT: 3.92 min Scan# 333
Delta R.T. 0.06 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 49 Resp: 217
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 67.3 100.9#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 634.946 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.13 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

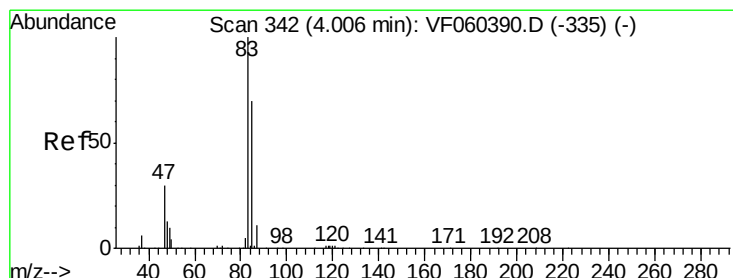
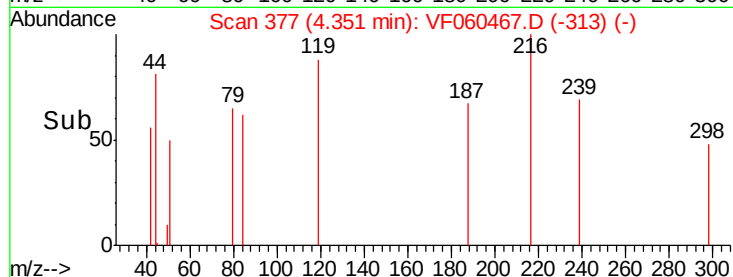
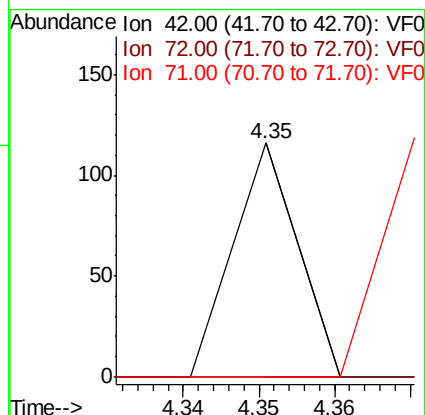
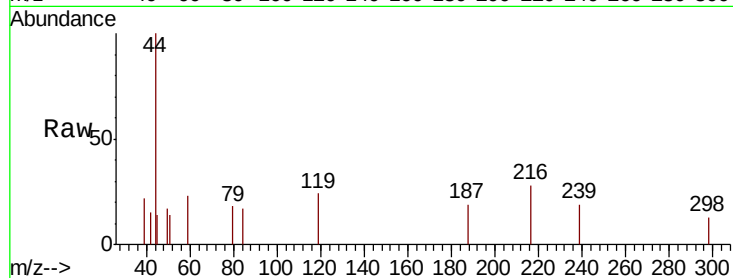
Tot Ion: 42 Resp: 69

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 0.0 32.7 49.1#



#30

Chloroform

Concen: 29.252 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.13 min

Lab File: VF060467.D

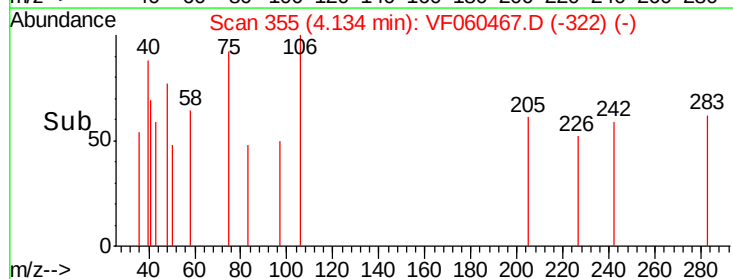
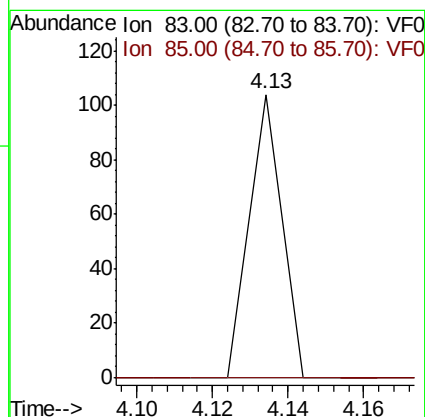
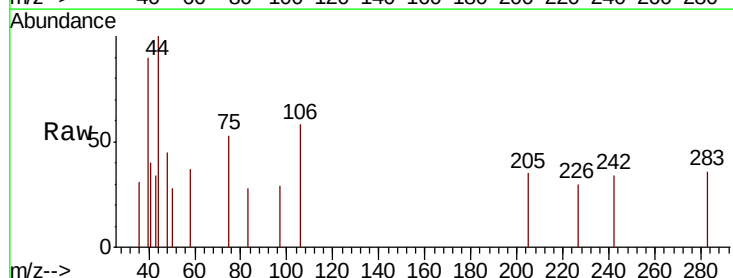
Acq: 5 Oct 2018 21:00

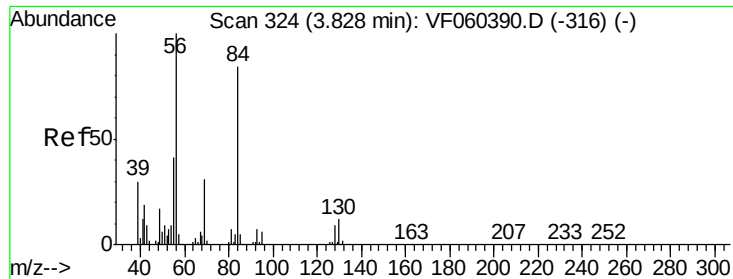
Tgt Ion: 83 Resp: 62

Ion Ratio Lower Upper

83 100

85 0.0 55.9 83.9#





#31

Cyclohexane

Concen: 48.644 ug/l

RT: 3.88 min Scan# 329

Delta R.T. 0.05 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

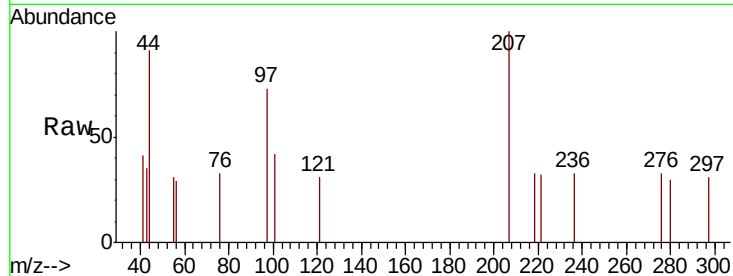
Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

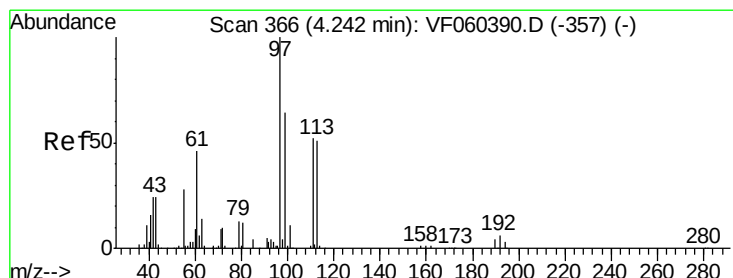
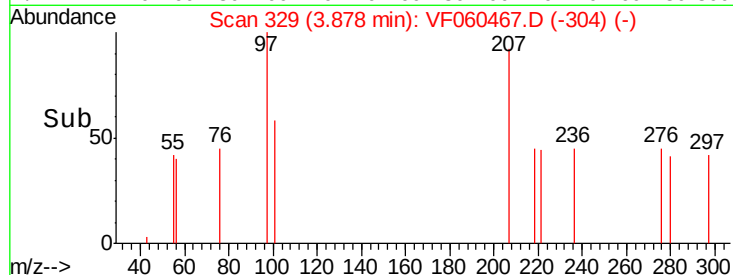
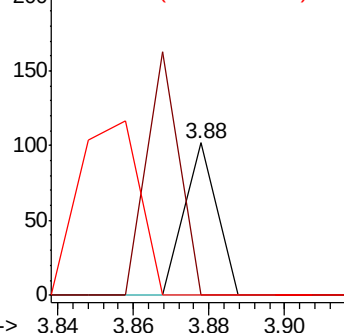
56 100

69 0.0 25.5 38.3#

84 0.0 67.4 101.0#



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



#32

1,1,1-Trichloroethane

Concen: 110.559 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.09 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

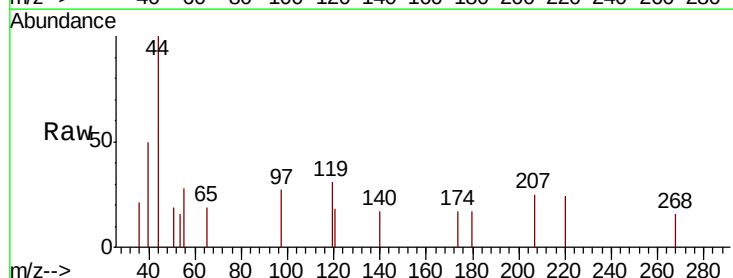
Tgt Ion: 97 Resp: 195

Ion Ratio Lower Upper

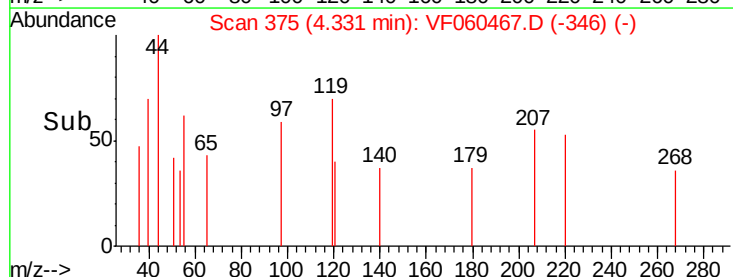
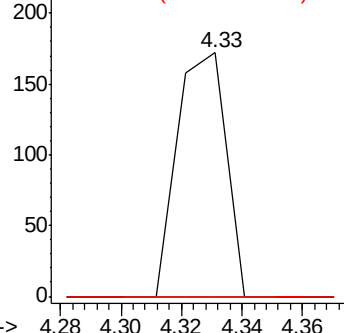
97 100

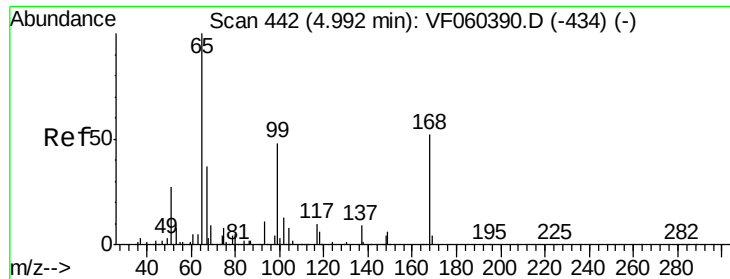
99 0.0 51.0 76.4#

61 0.0 37.5 56.3#



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

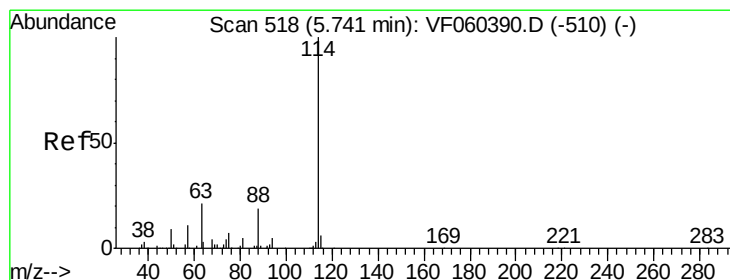
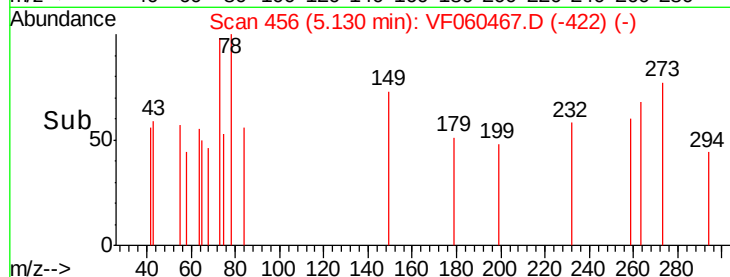
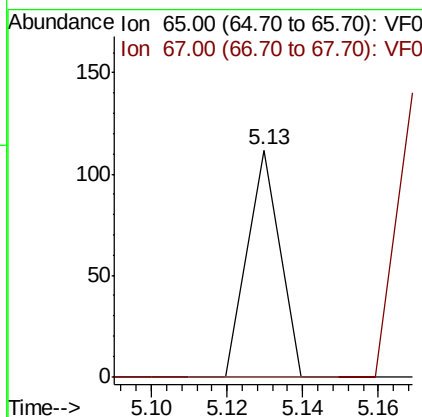
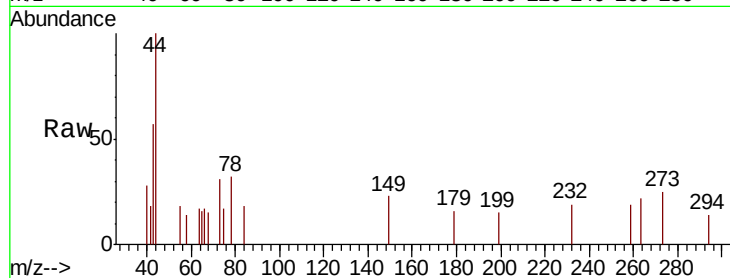




#33
 1,2-Dichloroethane-d4
 Concen: 58.582 ug/l
 RT: 5.13 min Scan# 456
 Delta R.T. 0.14 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

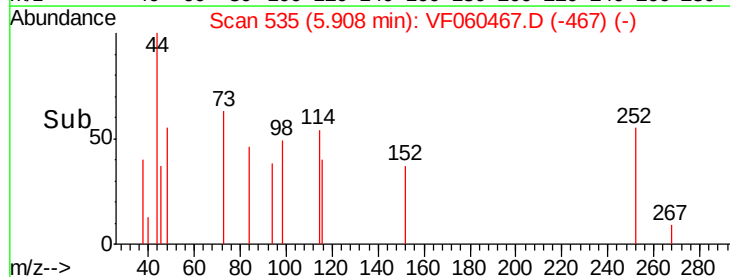
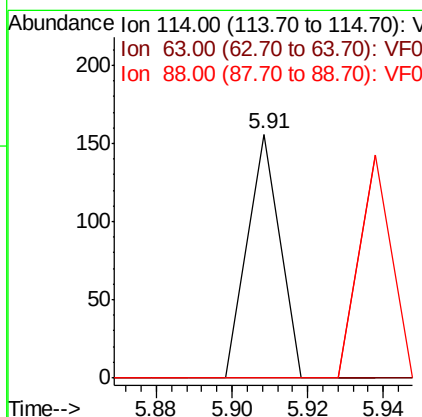
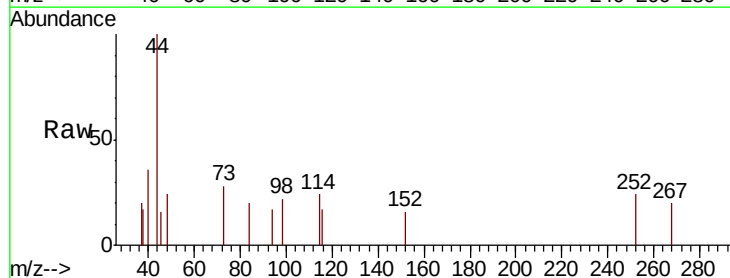
Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

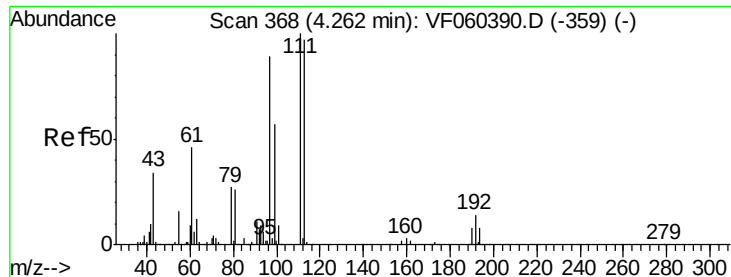
Tot Ion: 65 Resp: 66
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.91 min Scan# 535
 Delta R.T. 0.17 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Tgt Ion: 114 Resp: 92
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.2
 88 0.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 87.934 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.26 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

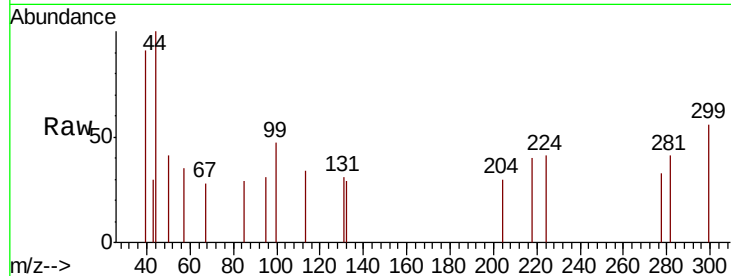
Tot Ion:113 Resp: 76

Ion Ratio Lower Upper

113 100

111 0.0 82.3 123.5#

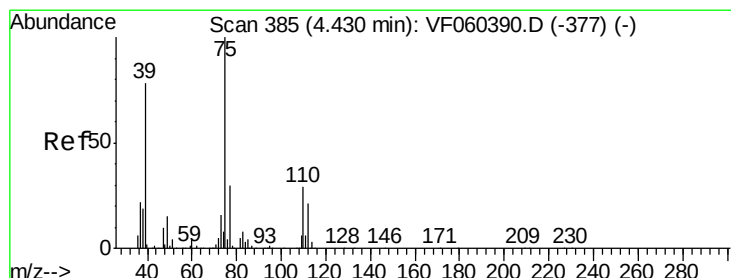
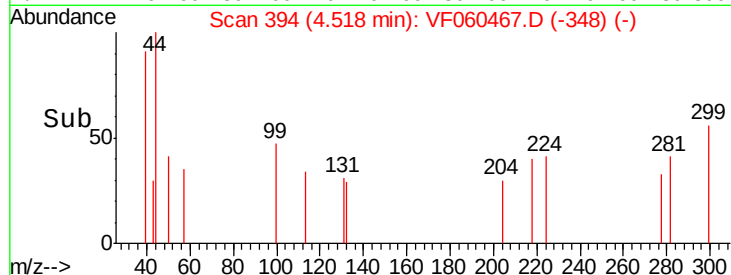
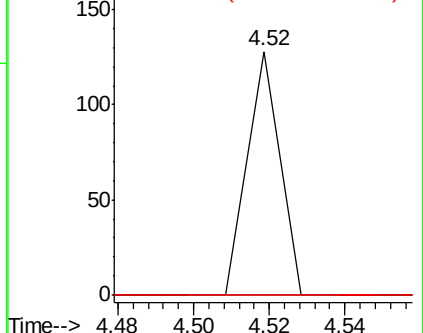
192 0.0 11.8 17.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 70.529 ug/l

RT: 4.46 min Scan# 388

Delta R.T. 0.03 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

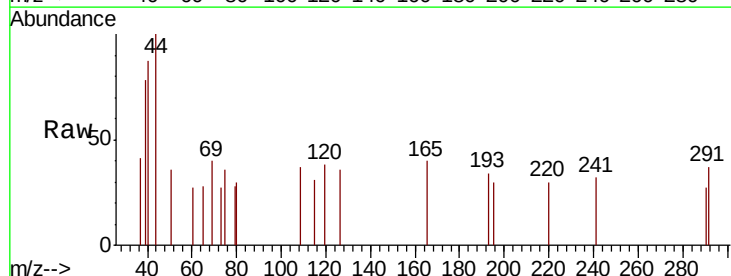
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

110 0.0 14.5 43.6#

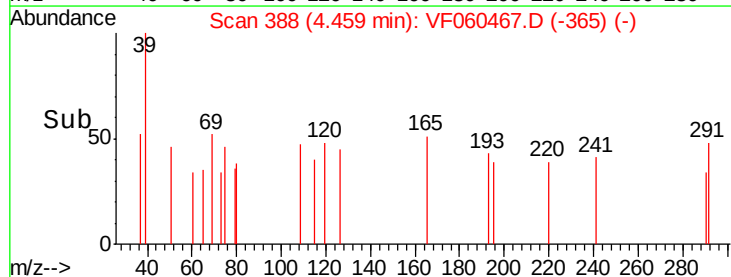
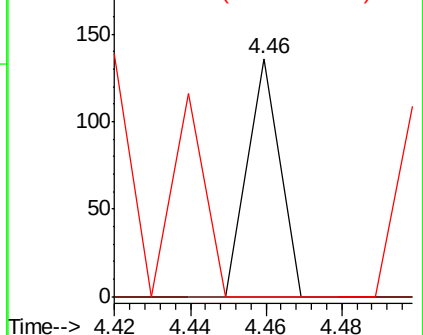
77 0.0 24.3 36.5#

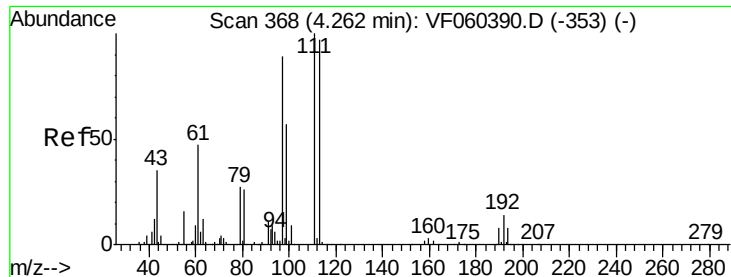


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 375.261 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.11 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

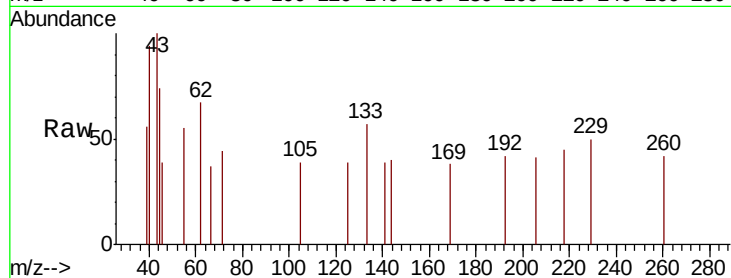
Tot Ion: 43 Resp: 163

Ion Ratio Lower Upper

43 100

61 0.0 105.1 157.7#

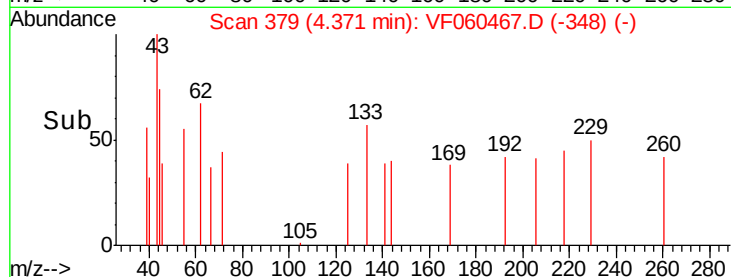
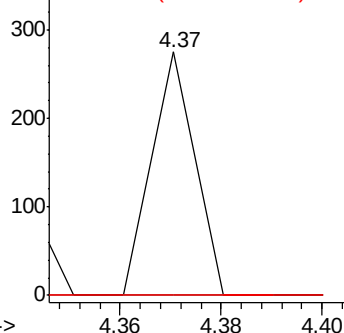
70 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.251 ug/l

RT: 4.21 min Scan# 363

Delta R.T. 0.07 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

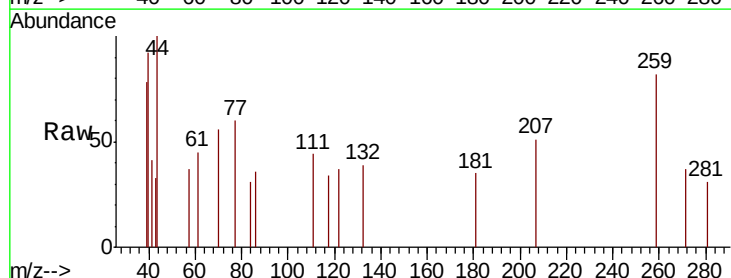
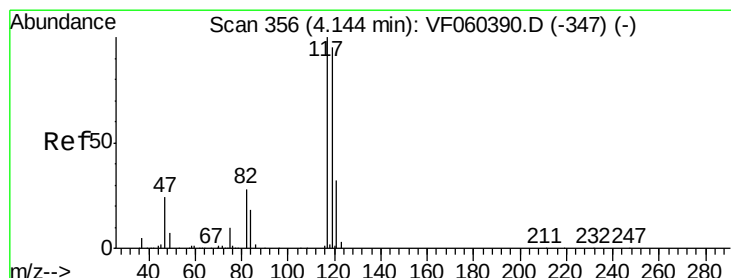
Tgt Ion: 117 Resp: 68

Ion Ratio Lower Upper

117 100

119 0.0 75.5 113.3#

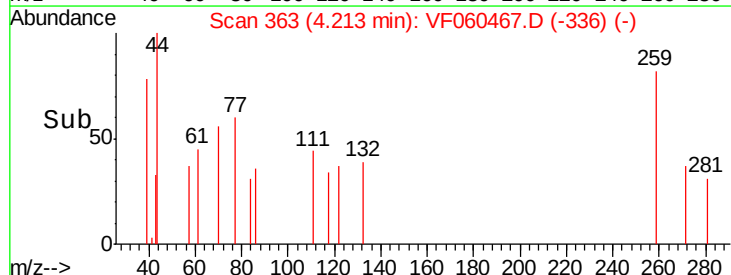
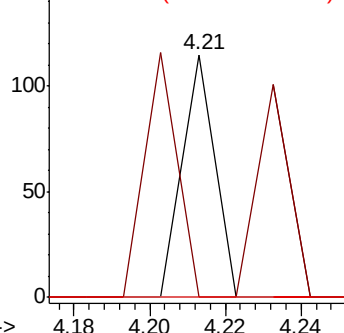
121 0.0 25.4 38.0#

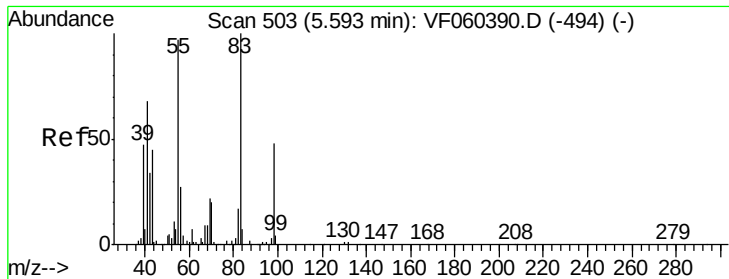


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

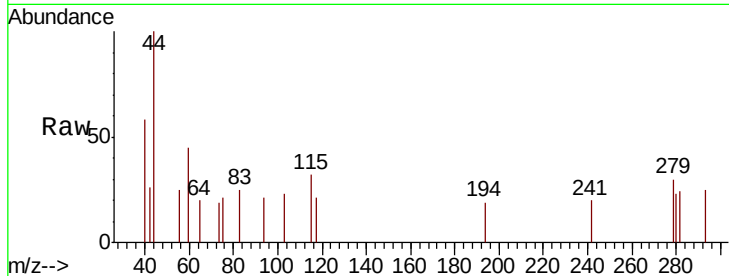




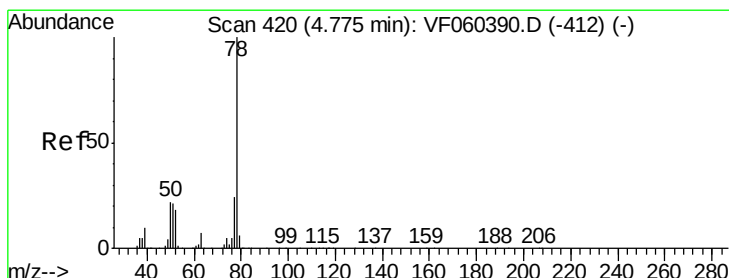
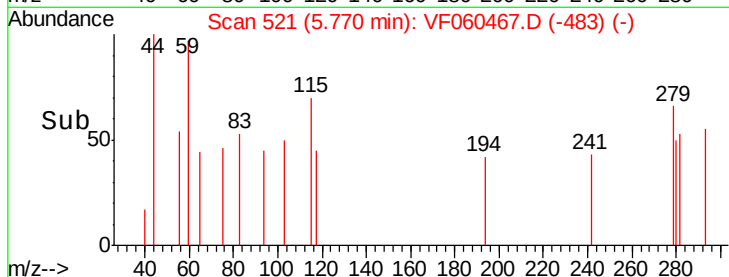
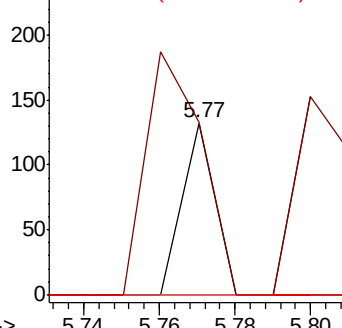
#39
Methylvlcyclohexane
Concen: 70.144 ug/l
RT: 5.77 min Scan# 521
Delta R.T. 0.18 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion: 83 Resp: 78
Ion Ratio Lower Upper
83 100
55 100.8 77.5 116.3
98 0.0 38.7 58.1#

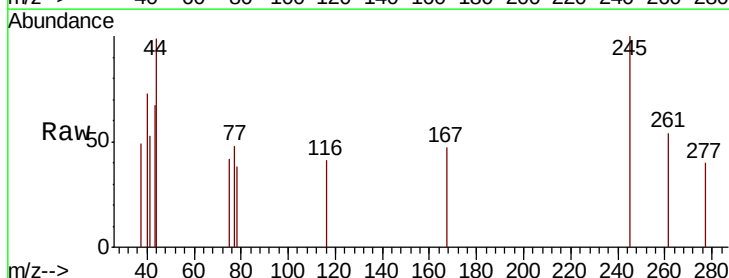


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

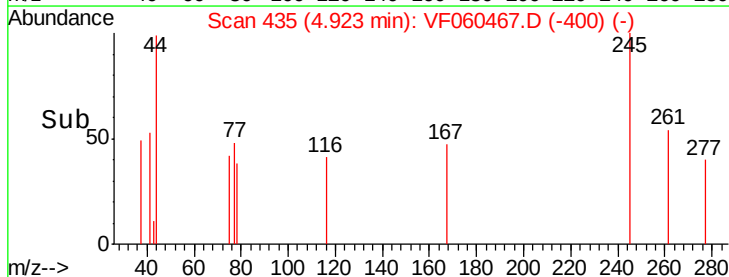
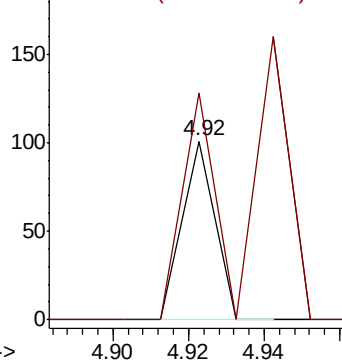


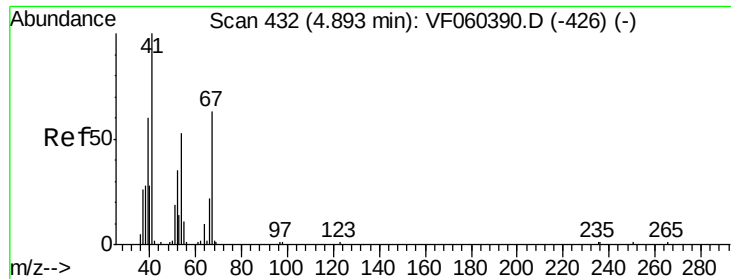
#40
Benzene
Concen: 26.646 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.15 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 78 Resp: 60
Ion Ratio Lower Upper
78 100
77 126.7 19.2 28.8#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 851.030 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.11 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion: 41 Resp: 196

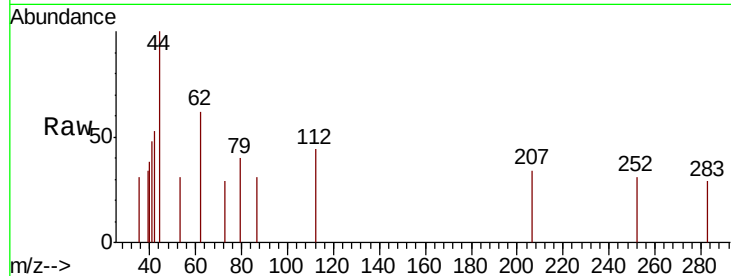
Ion Ratio Lower Upper

41 100

39 70.9 55.0 82.4

67 0.0 49.6 74.4#

52 0.0 38.8 58.2#

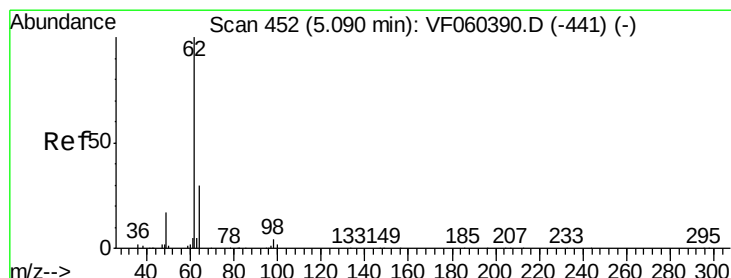
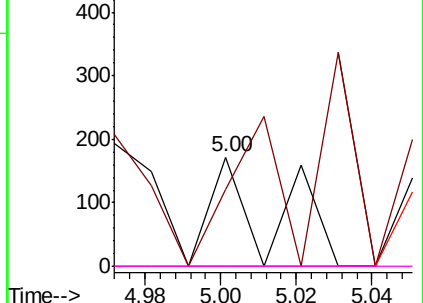
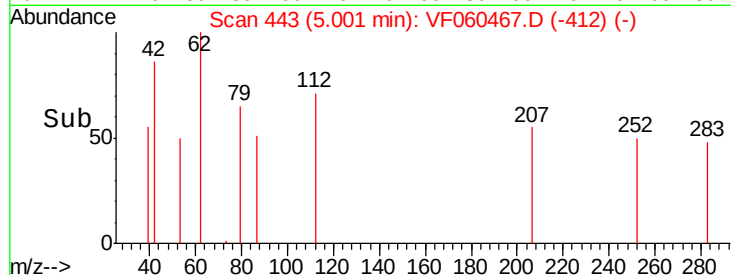


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 80.055 ug/l

RT: 5.27 min Scan# 470

Delta R.T. 0.18 min

Lab File: VF060467.D

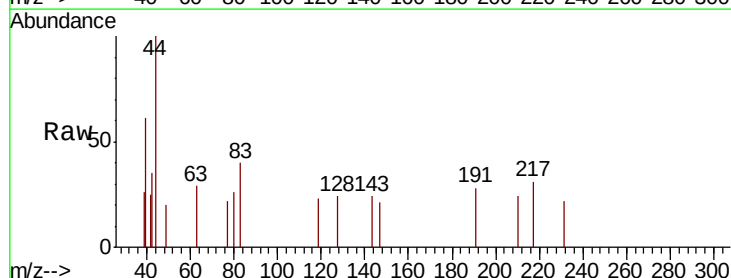
Acq: 5 Oct 2018 21:00

Tgt Ion: 62 Resp: 86

Ion Ratio Lower Upper

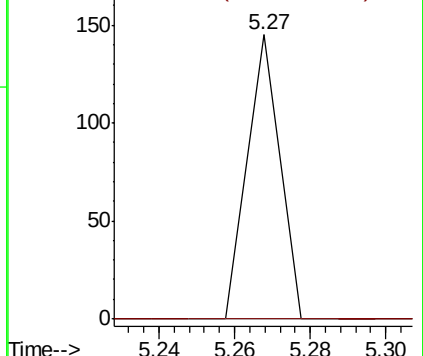
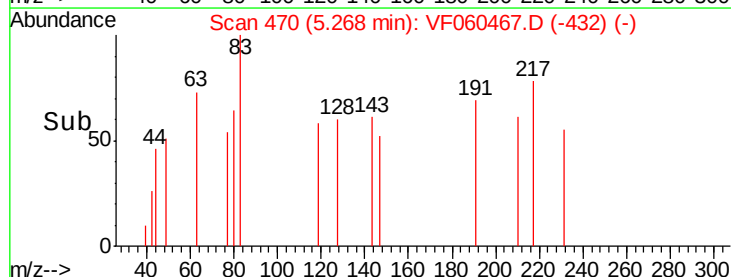
62 100

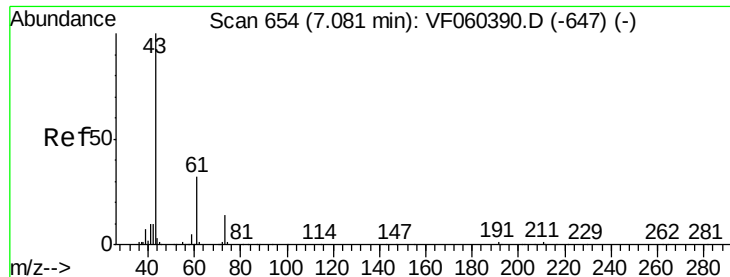
98 0.0 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 139.069 ug/l

RT: 7.28 min Scan# 674

Delta R.T. 0.20 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

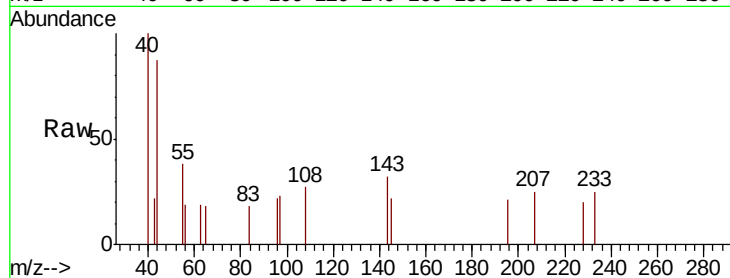
Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

87 0.0 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.28

150

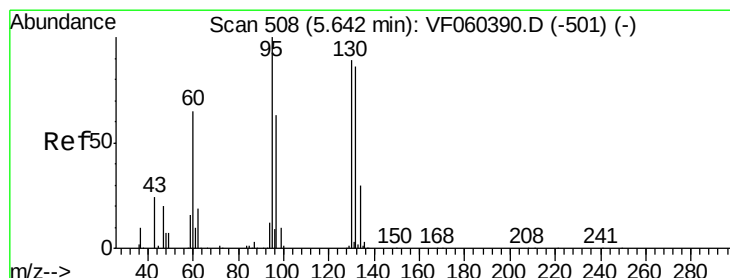
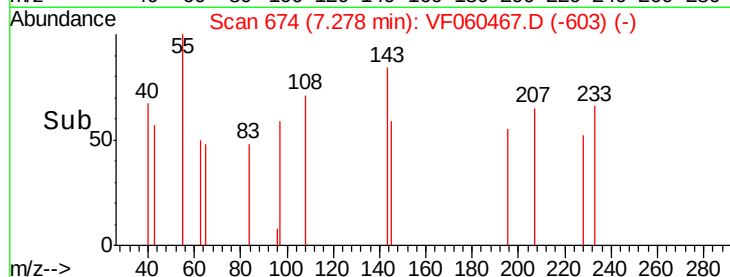
100

50

0

7.26 7.27 7.28 7.29

Time-->



#44

Trichloroethene

Concen: 101.036 ug/l

RT: 5.90 min Scan# 534

Delta R.T. 0.26 min

Lab File: VF060467.D

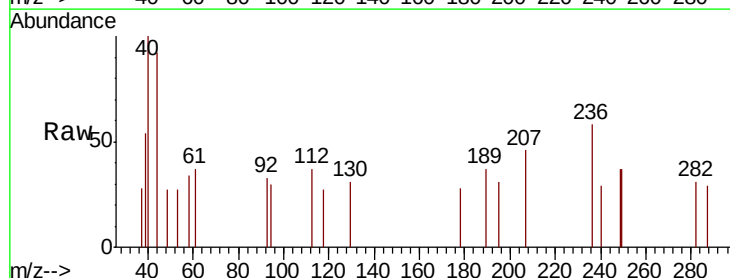
Acq: 5 Oct 2018 21:00

Tgt Ion:130 Resp: 73

Ion Ratio Lower Upper

130 100

95 0.0 0.0 224.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.90

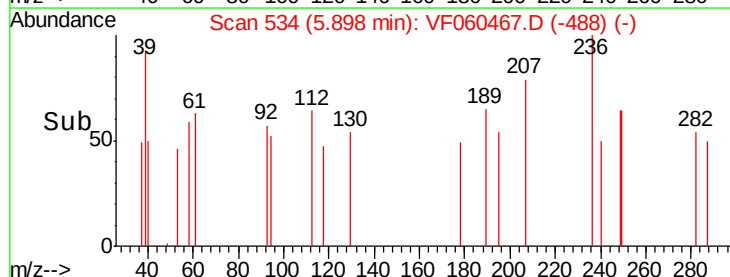
100

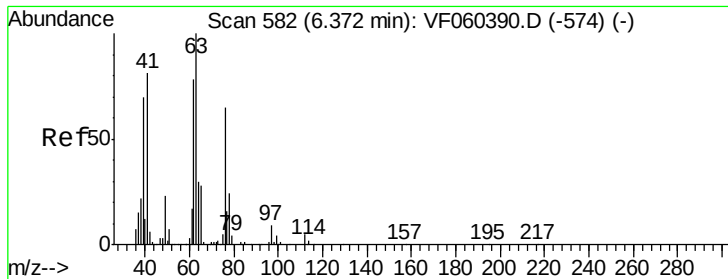
50

0

5.86 5.88 5.90 5.92

Time-->





#45

1,2-Dichloropropane

Concen: 198.442 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.16 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

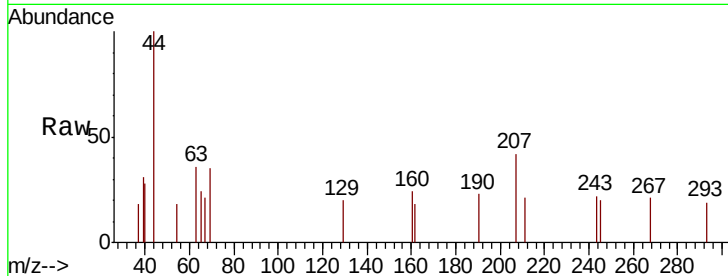
331-SAND-SOILRE

Tot Ion: 63 Resp: 119

Ion Ratio Lower Upper

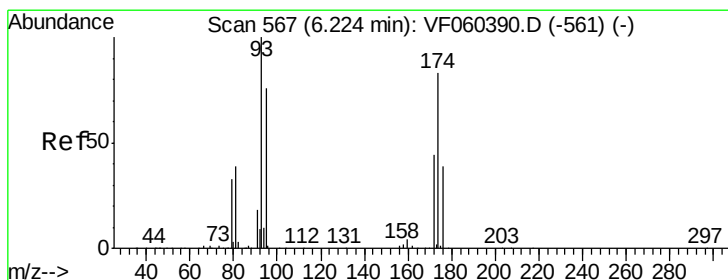
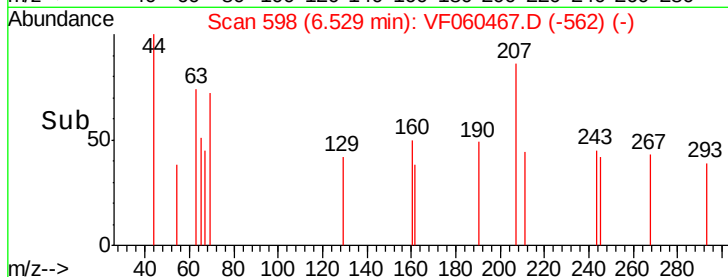
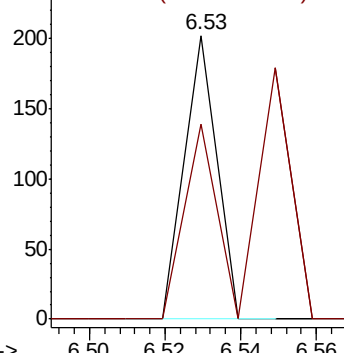
63 100

65 68.8 22.7 34.1#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 141.038 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.04 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

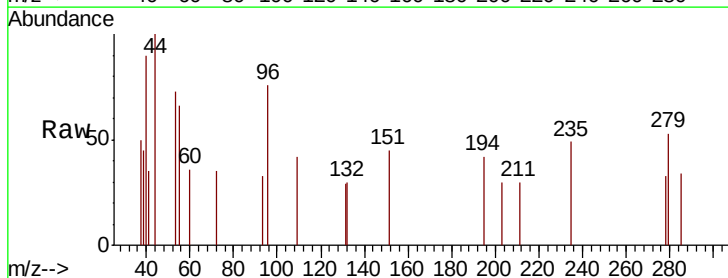
Tgt Ion: 93 Resp: 68

Ion Ratio Lower Upper

93 100

95 0.0 61.1 91.7#

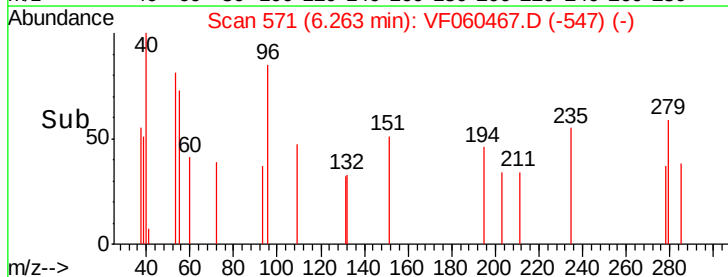
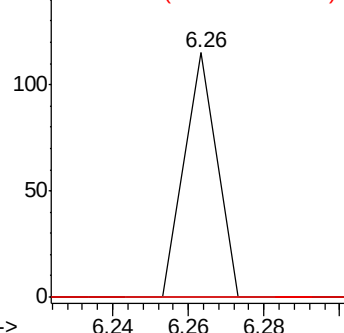
174 0.0 66.7 100.1#

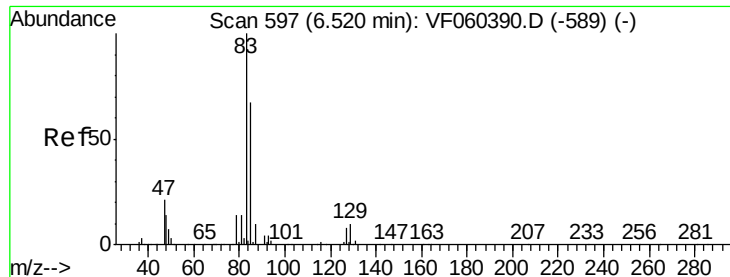


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 108.032 ug/l

RT: 6.74 min Scan# 619

Delta R.T. 0.22 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

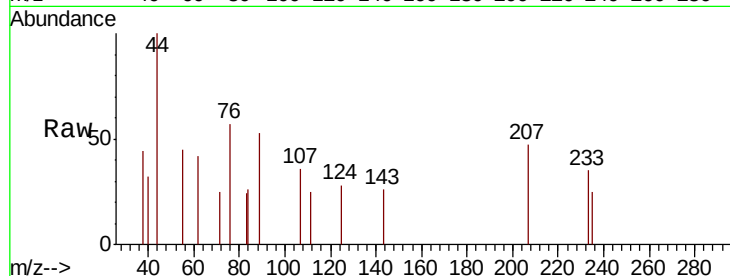
Tot Ion: 83 Resp: 129

Ion Ratio Lower Upper

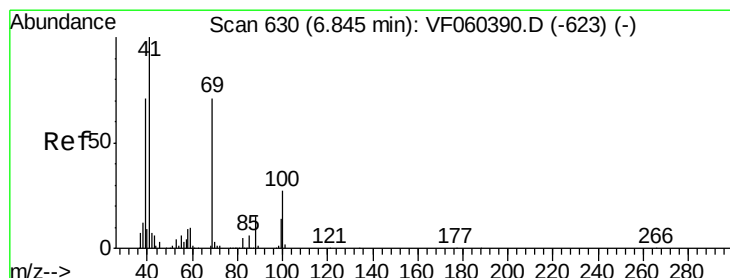
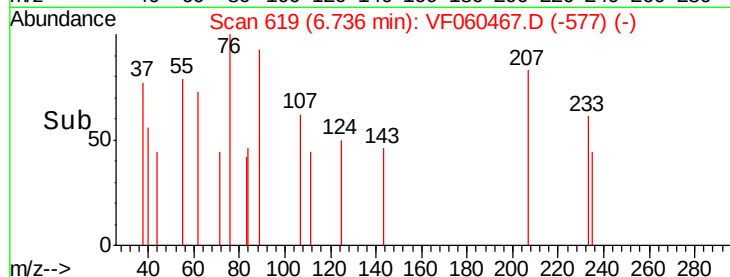
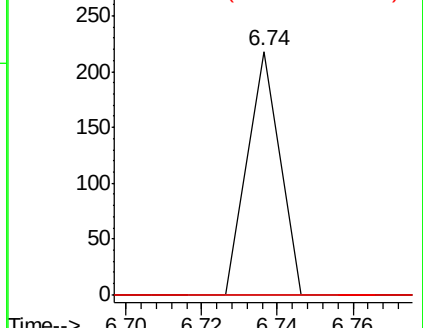
83 100

85 0.0 53.2 79.8#

127 0.0 6.6 9.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 490.971 ug/l

RT: 7.02 min Scan# 648

Delta R.T. 0.18 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

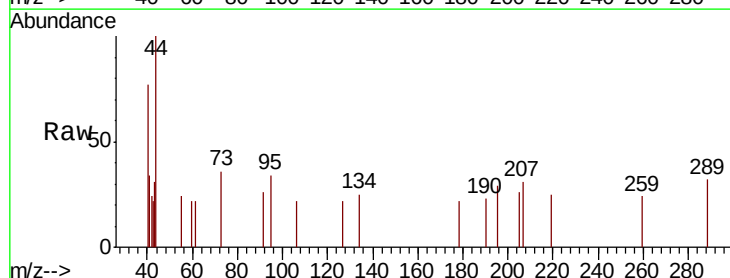
Tgt Ion: 41 Resp: 185

Ion Ratio Lower Upper

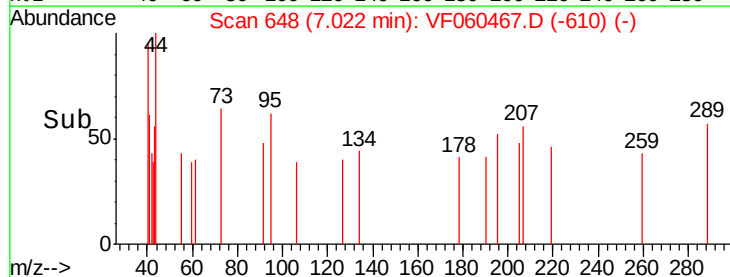
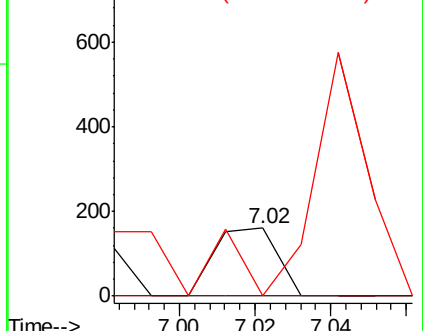
41 100

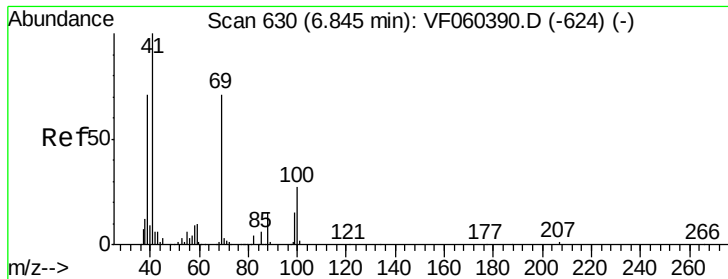
69 0.0 56.3 84.5#

39 0.0 56.9 85.3#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

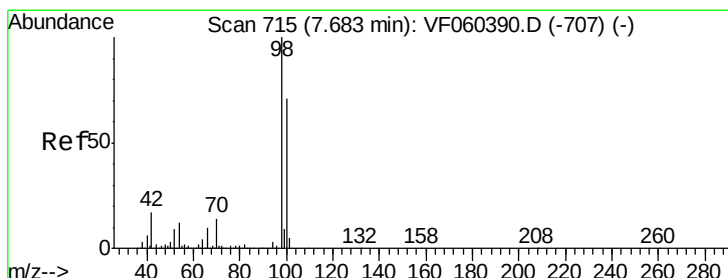
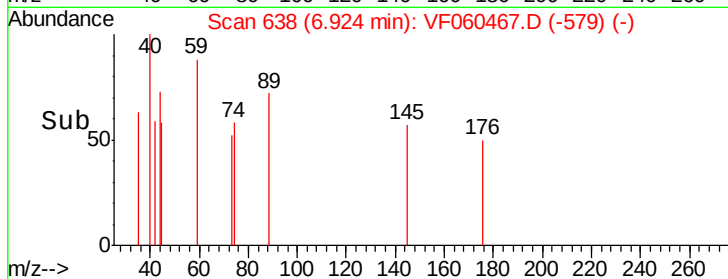
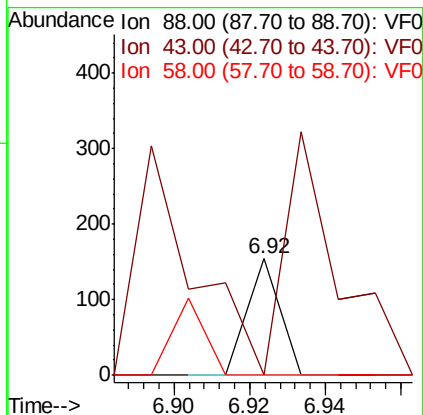
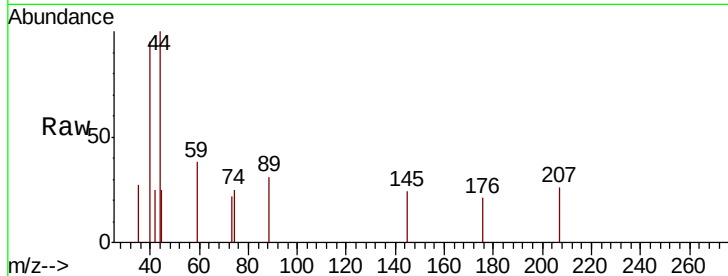




#49
1,4-Dioxane
Concen: 28009.608 ug/l
RT: 6.92 min Scan# 638
Delta R.T. 0.08 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

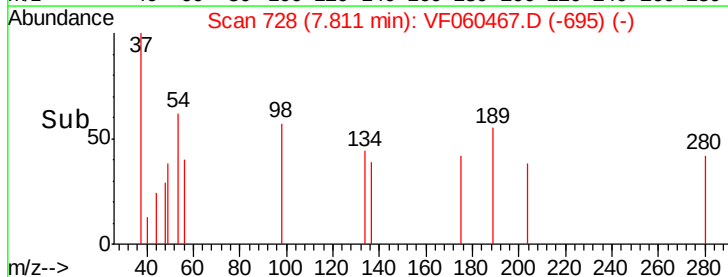
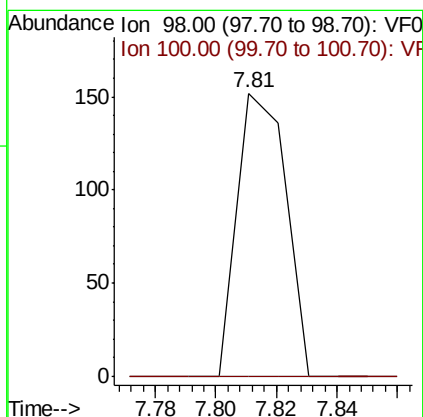
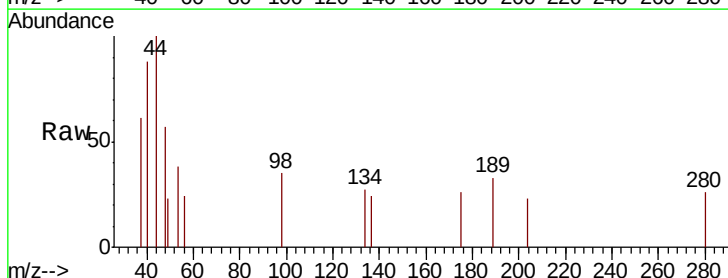
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

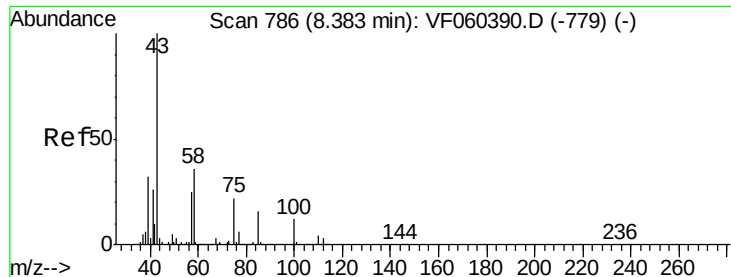
Tot Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 38.3 57.5#
58 0.0 47.4 71.2#



#50
Toluene-d8
Concen: 79.866 ug/l
RT: 7.81 min Scan# 728
Delta R.T. 0.13 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 98 Resp: 170
Ion Ratio Lower Upper
98 100
100 0.0 56.5 84.7#





#51

4-Methyl-2-Pentanone

Concen: 1239.093 ug/l

RT: 8.61 min Scan# 809

Delta R.T. 0.23 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

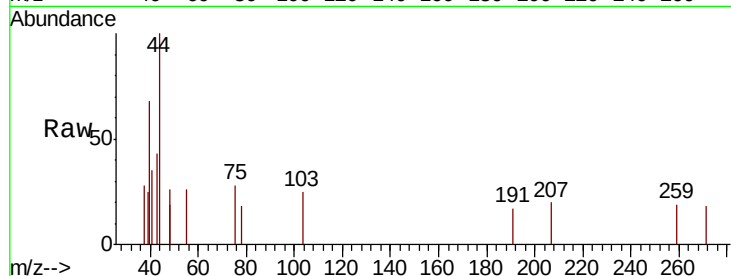
331-SAND-SOILRE

Tot Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.61

250

200

150

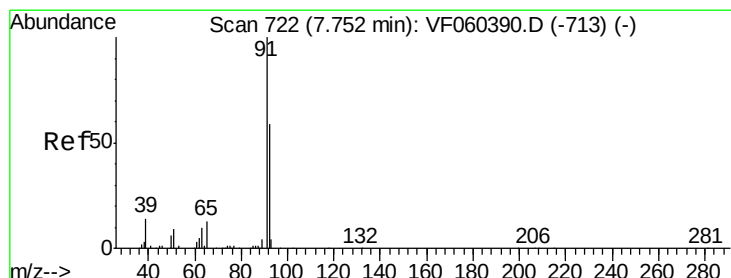
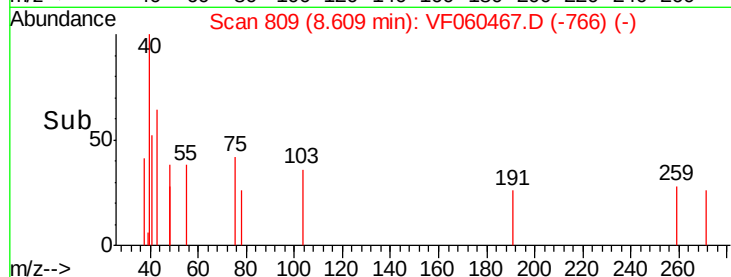
100

50

0

8.60 8.65

Time-->



#52

Toluene

Concen: 60.806 ug/l

RT: 7.96 min Scan# 743

Delta R.T. 0.21 min

Lab File: VF060467.D

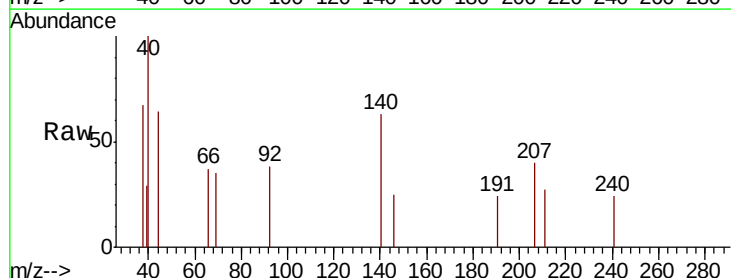
Acq: 5 Oct 2018 21:00

Tgt Ion: 92 Resp: 93

Ion Ratio Lower Upper

92 100

91 0.0 135.4 203.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.96

150

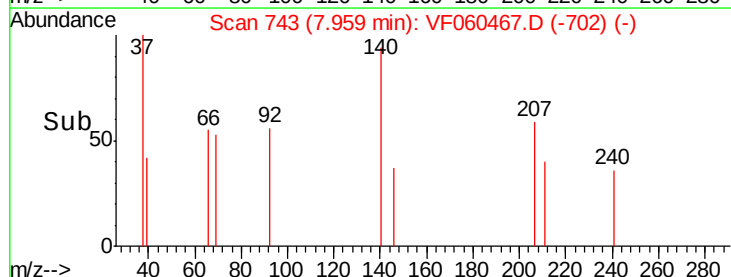
100

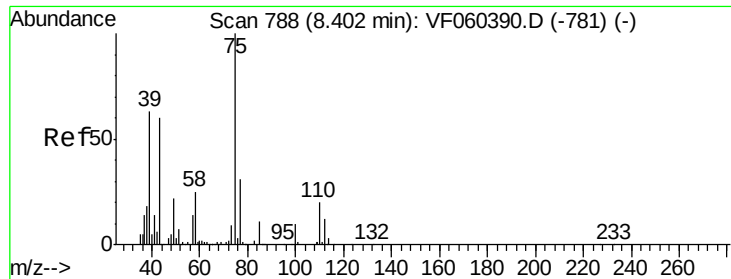
50

0

7.94 7.96 7.98

Time-->





#53

t-1,3-Dichloropropene

Concen: 192.349 ug/l

RT: 8.61 min Scan# 809

Delta R.T. 0.21 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

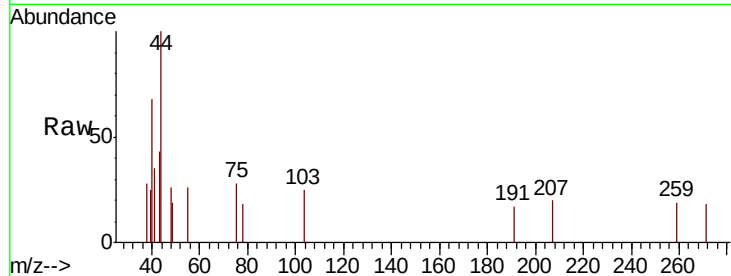
331-SAND-SOILRE

Tot Ion: 75 Resp: 180

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.61

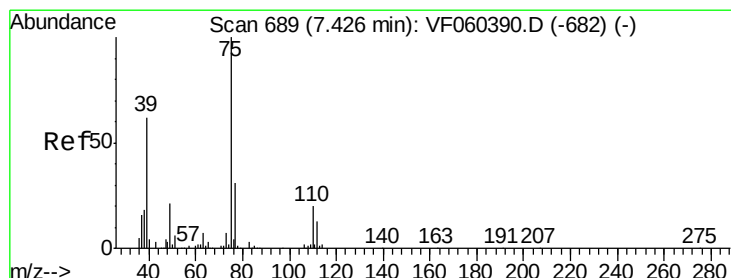
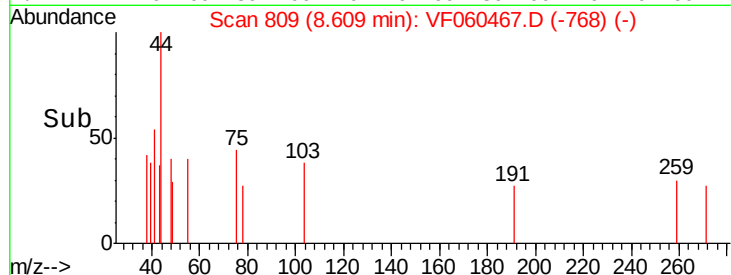
150

100

50

0

Time--> 8.58 8.60 8.62 8.64



#54

cis-1,3-Dichloropropene

Concen: 56.689 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.14 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

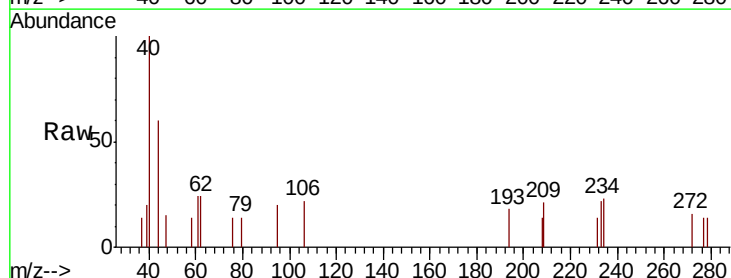
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 138.1 49.7 74.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250

200

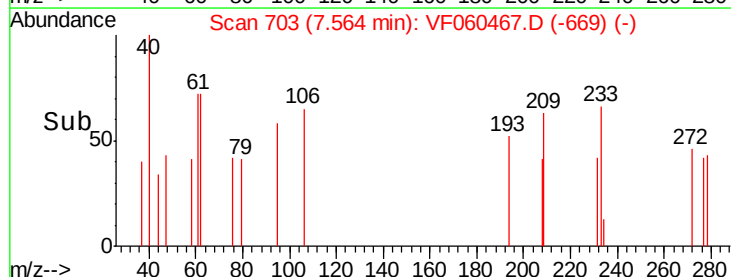
150

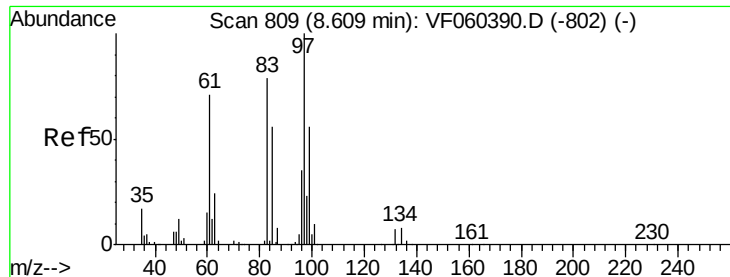
100

50

0

Time--> 7.54 7.56 7.58





#55

1,1,2-Trichloroethane

Concen: 344.476 ug/l

RT: 8.69 min Scan# 817

Delta R.T. 0.08 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

Tot Ion: 97 Resp: 167

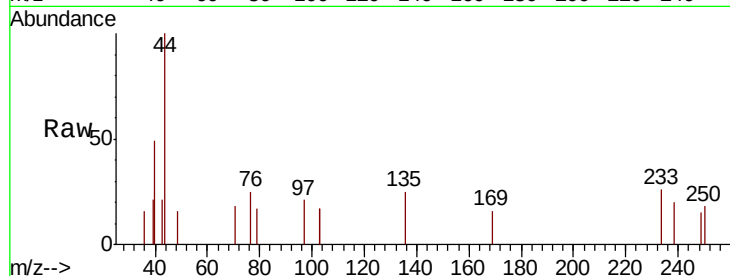
Ion Ratio Lower Upper

97 100

83 0.0 63.4 95.0#

85 0.0 44.5 66.7#

99 0.0 45.1 67.7#

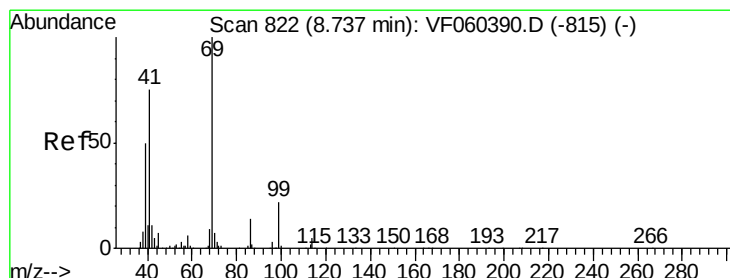
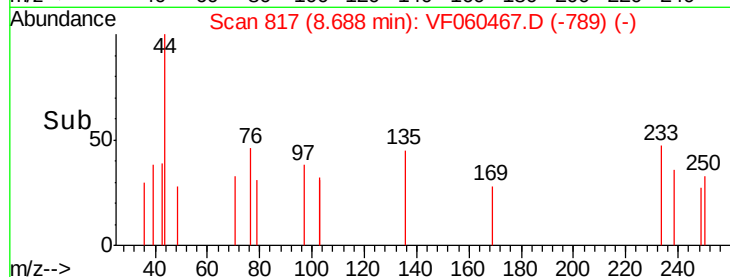
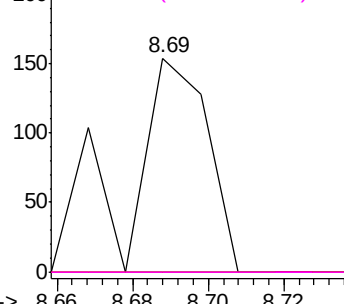


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 132.514 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.26 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

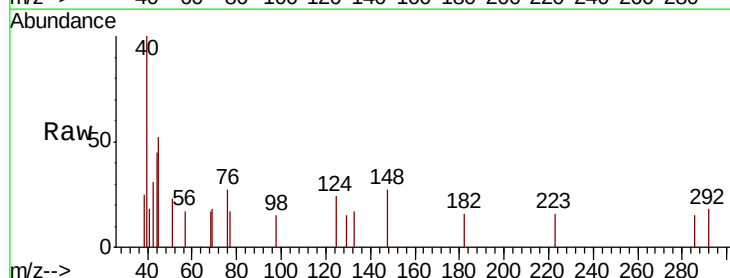
Tgt Ion: 69 Resp: 73

Ion Ratio Lower Upper

69 100

41 100.0 60.2 90.4#

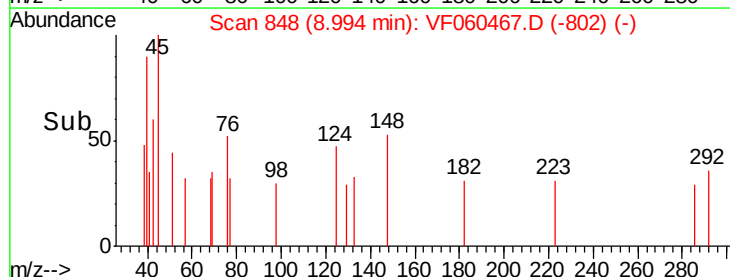
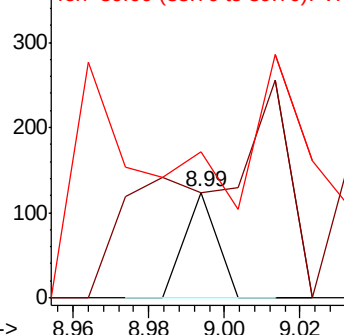
39 138.7 40.2 60.2#

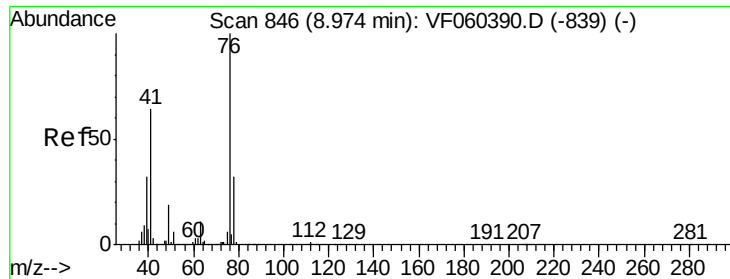


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 119.491 ug/l

RT: 9.21 min Scan# 870

Delta R.T. 0.24 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

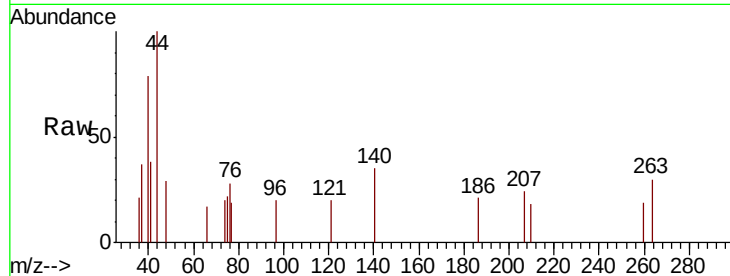
331-SAND-SOILRE

Tot Ion: 76 Resp: 98

Ion Ratio Lower Upper

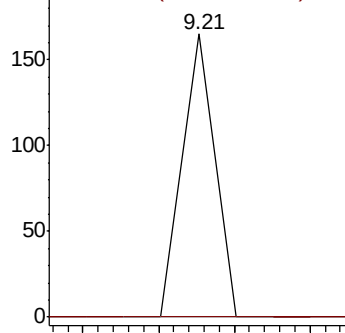
76 100

78 0.0 25.3 37.9#

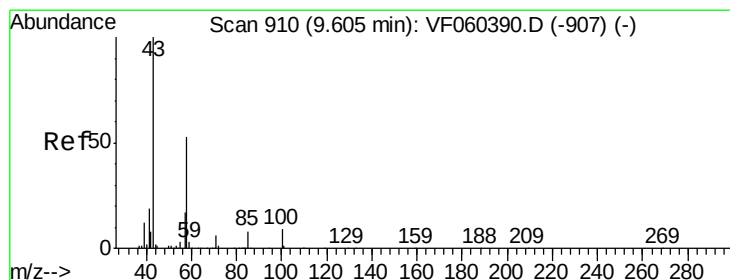
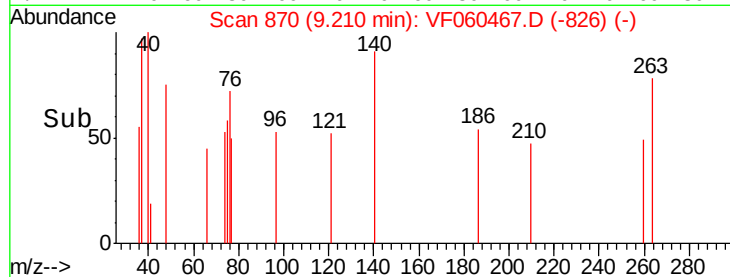


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#59

2-Hexanone

Concen: 631.215 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.31 min

Lab File: VF060467.D

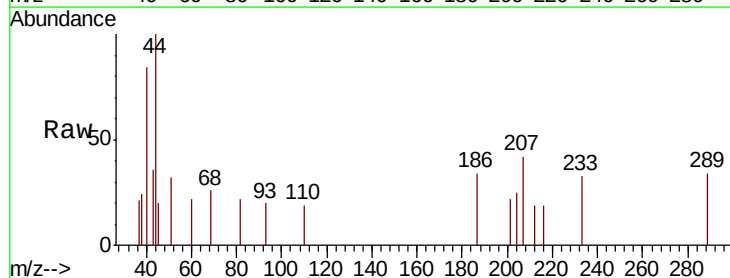
Acq: 5 Oct 2018 21:00

Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

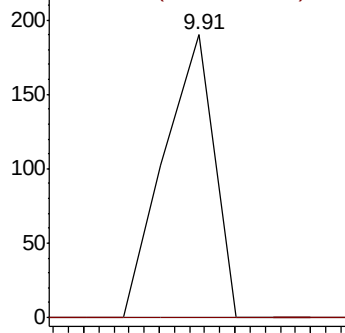
43 100

58 0.0 25.6 76.6#

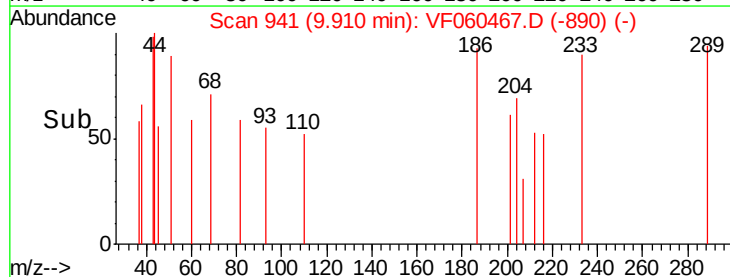


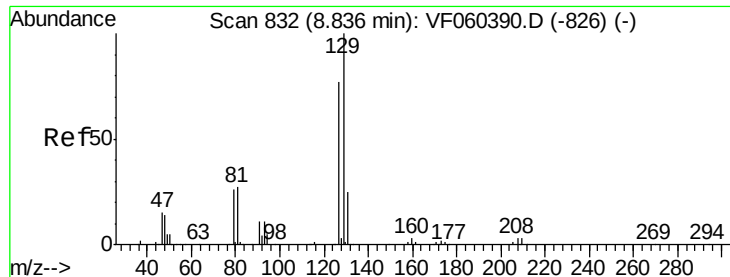
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#60

Dibromochloromethane

Concen: 150.699 ug/l

RT: 9.17 min Scan# 866

Delta R.T. 0.34 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

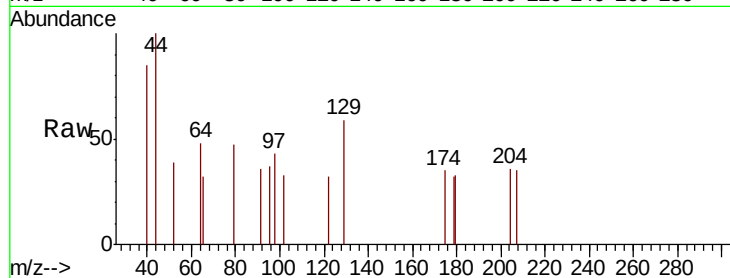
331-SAND-SOILRE

Tot Ion:129 Resp: 110

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.17

200

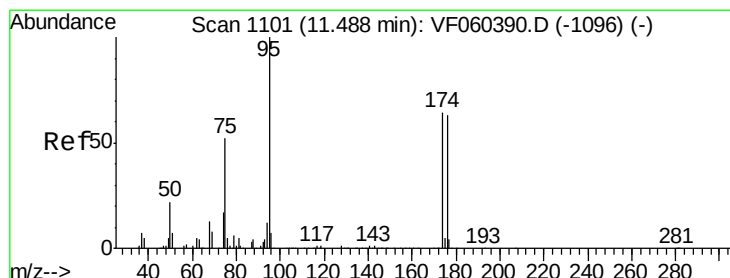
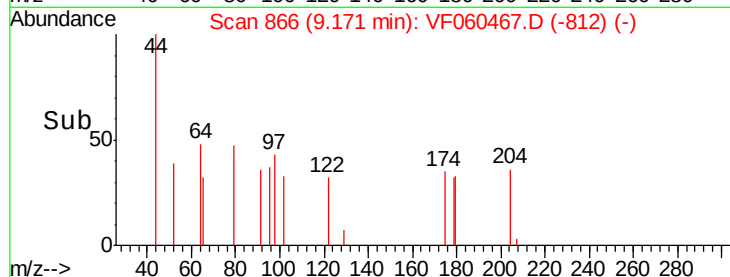
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 163.599 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.33 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

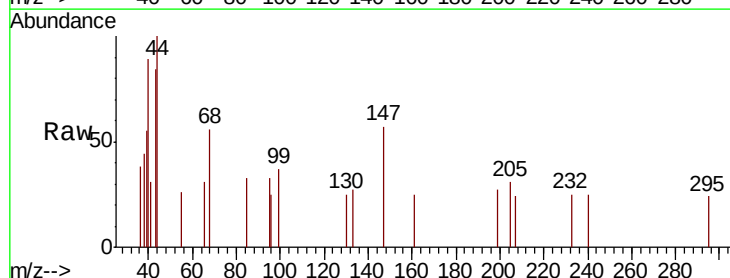
Tgt Ion: 95 Resp: 159

Ion Ratio Lower Upper

95 100

174 0.0 0.0 129.0

176 0.0 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

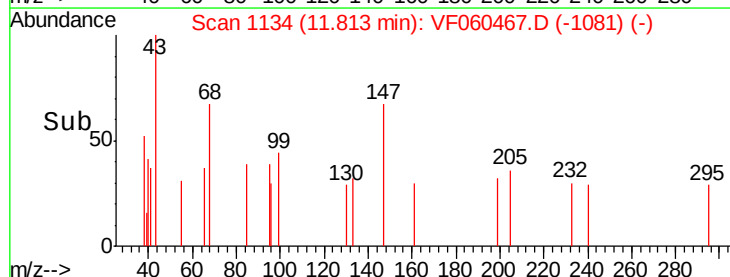
150

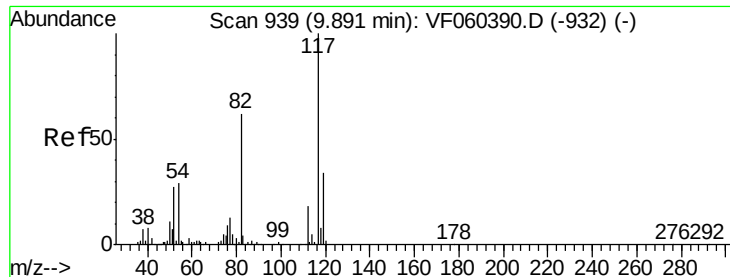
100

50

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.37 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

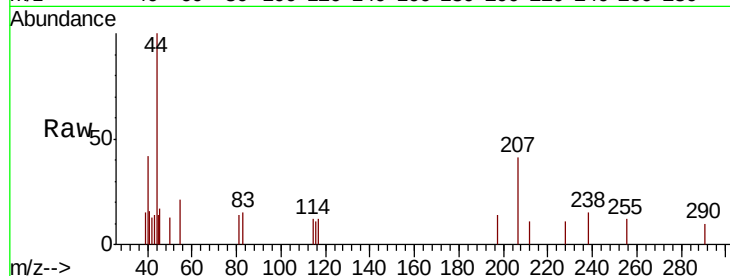
Tot Ion:117 Resp: 67

Ion Ratio Lower Upper

117 100

82 0.0 49.5 74.3#

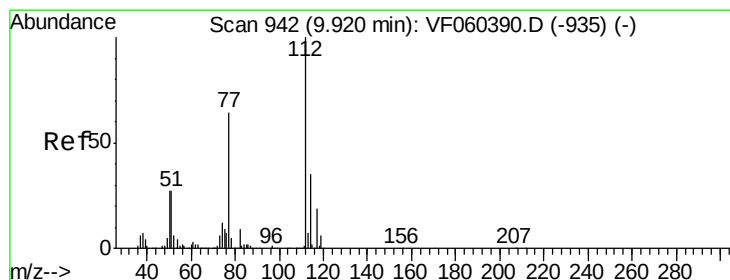
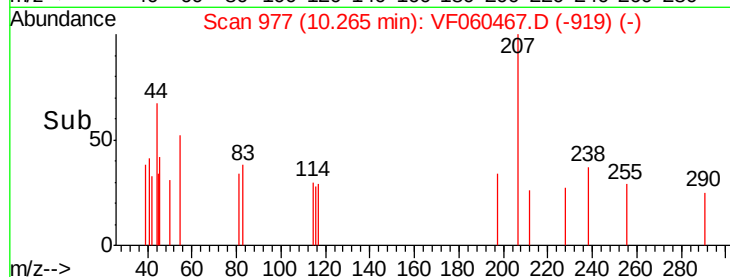
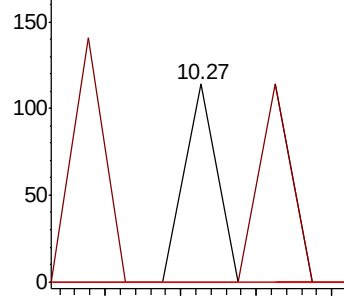
119 0.0 27.0 40.6#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#65

Chlorobenzene

Concen: 51.587 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.11 min

Lab File: VF060467.D

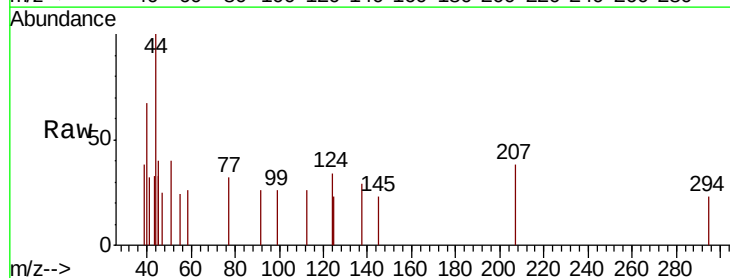
Acq: 5 Oct 2018 21:00

Tgt Ion:112 Resp: 71

Ion Ratio Lower Upper

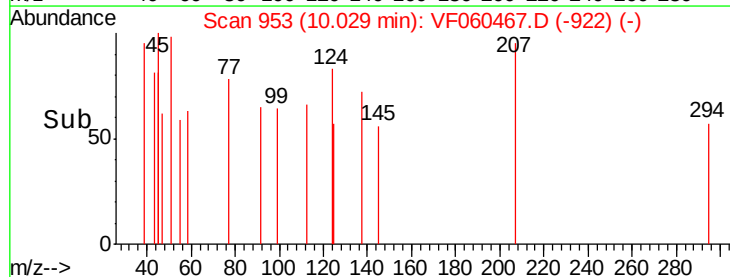
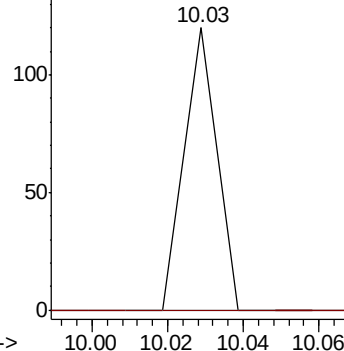
112 100

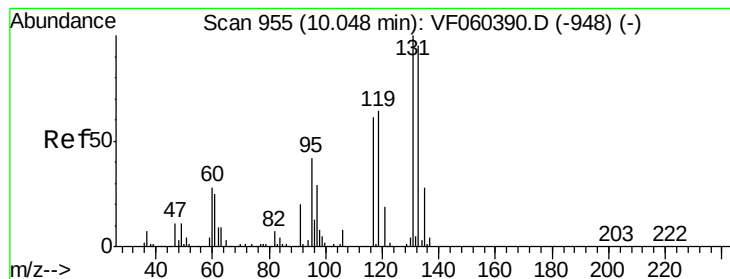
114 0.0 27.7 41.5#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 99.843 ug/l

RT: 10.09 min Scan# 959

Delta R.T. 0.04 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

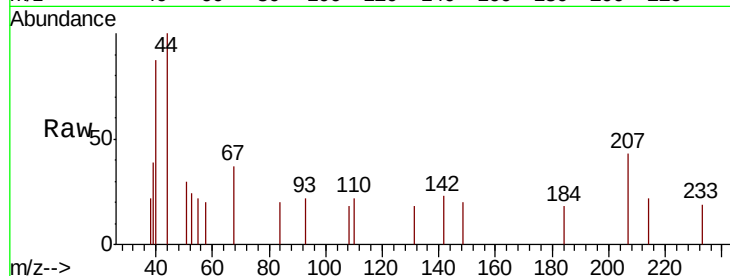
Tot Ion:131 Resp: 60

Ion Ratio Lower Upper

131 100

133 0.0 47.3 141.8#

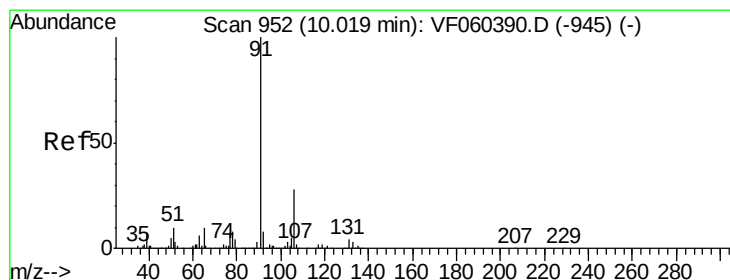
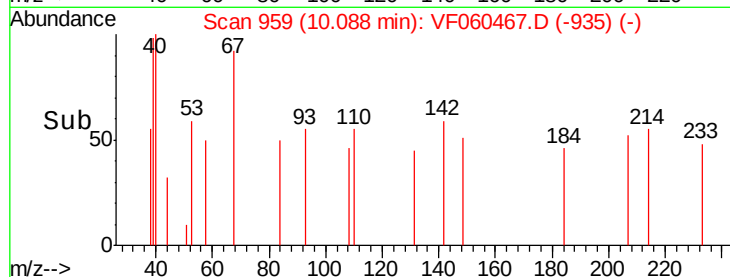
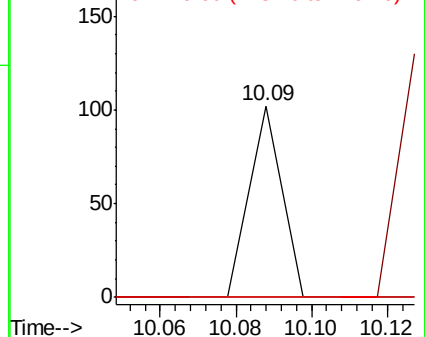
119 0.0 32.3 96.9#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 26.749 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060467.D

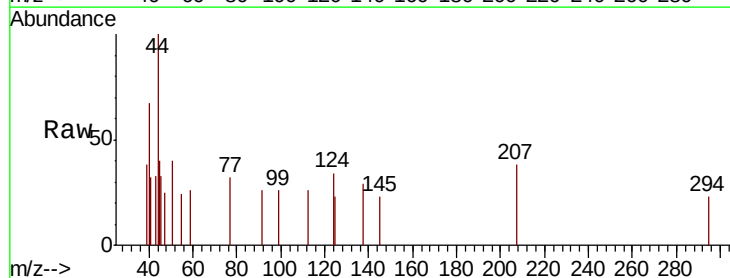
Acq: 5 Oct 2018 21:00

Tgt Ion: 91 Resp: 70

Ion Ratio Lower Upper

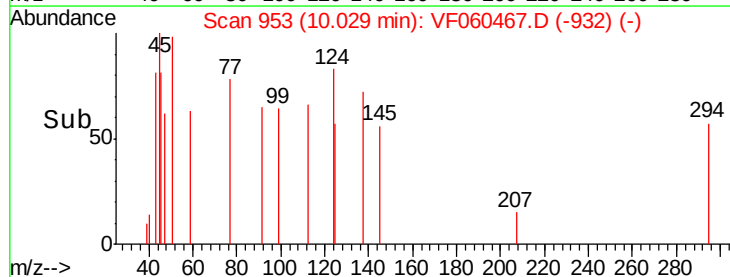
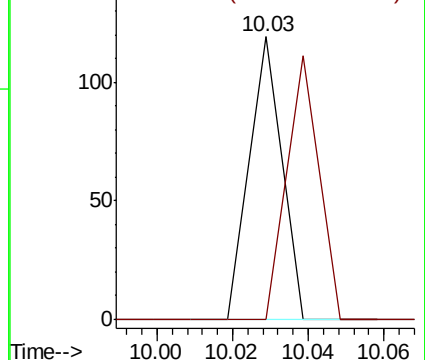
91 100

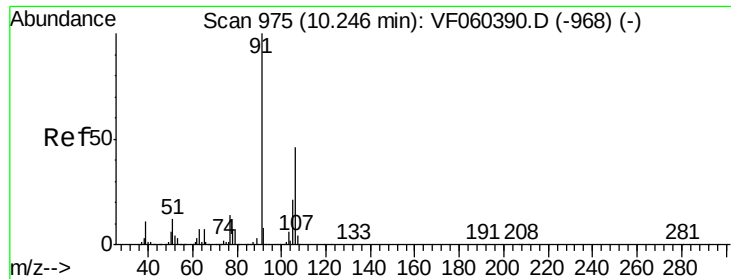
106 0.0 22.5 33.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

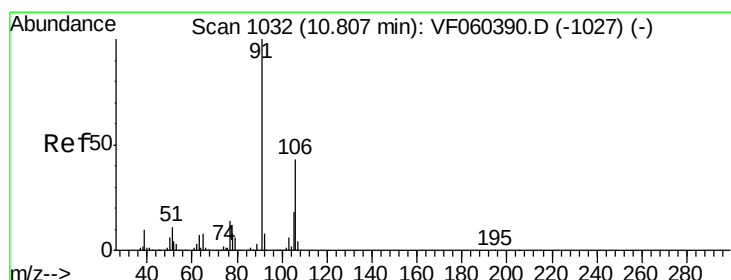
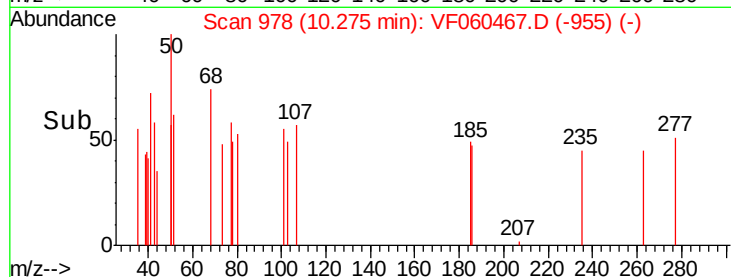
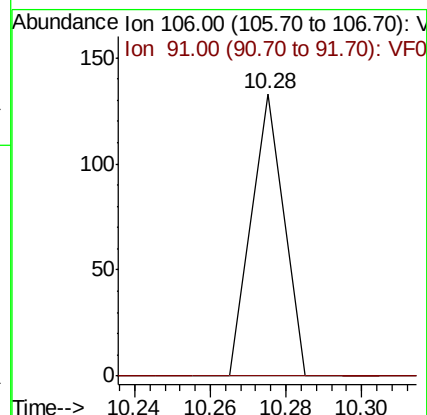
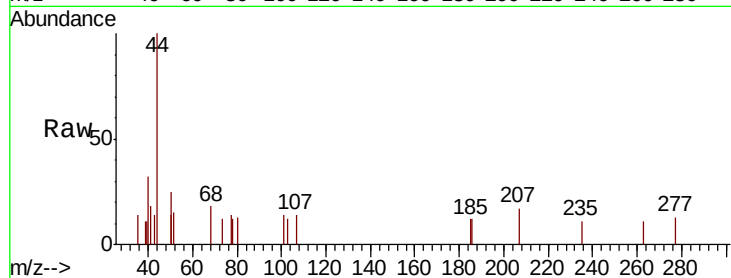




#68
m/p-Xylenes
Concen: 87.817 ug/l
RT: 10.28 min Scan# 978
Delta R.T. 0.03 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

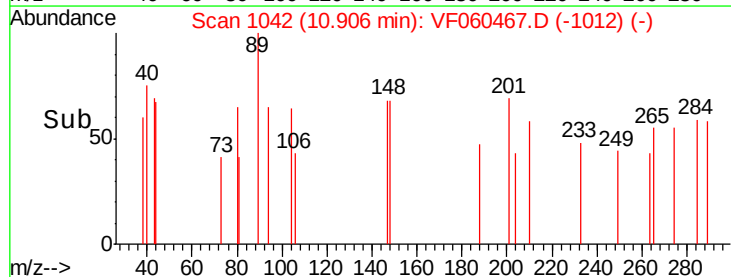
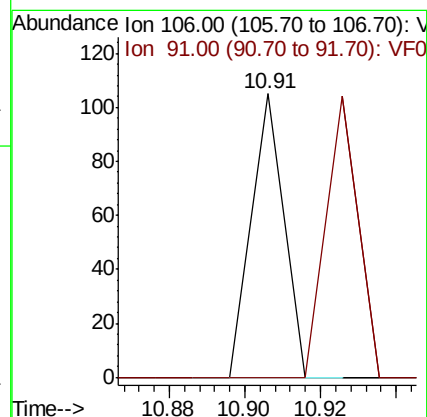
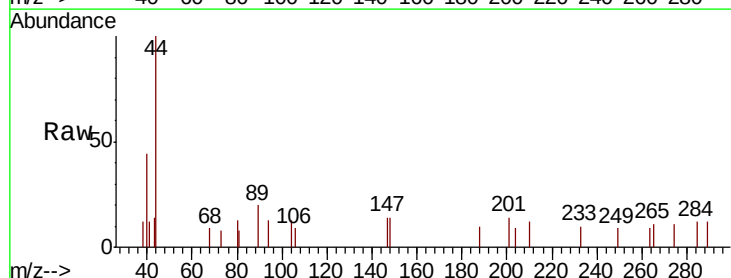
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

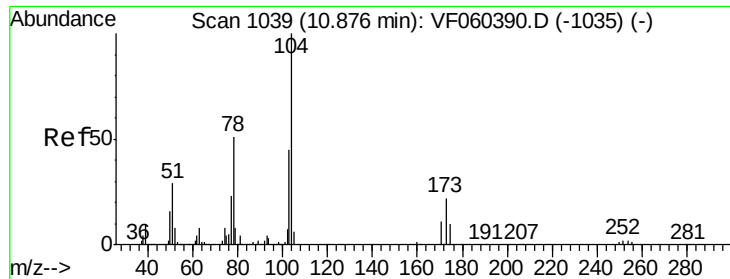
Tot Ion:106 Resp: 79
Ion Ratio Lower Upper
106 100
91 0.0 175.0 262.6#



#69
o-Xylene
Concen: 63.228 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. 0.10 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion:106 Resp: 62
Ion Ratio Lower Upper
106 100
91 0.0 115.1 345.2#





#70

Stvrene

Concen: 179.241 ug/l

RT: 10.91 min Scan# 1042

Delta R.T. 0.03 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

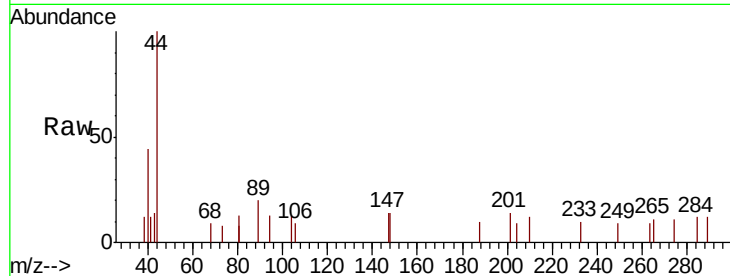
Tot Ion:104 Resp: 250

Ion Ratio Lower Upper

104 100

78 0.0 41.0 61.4#

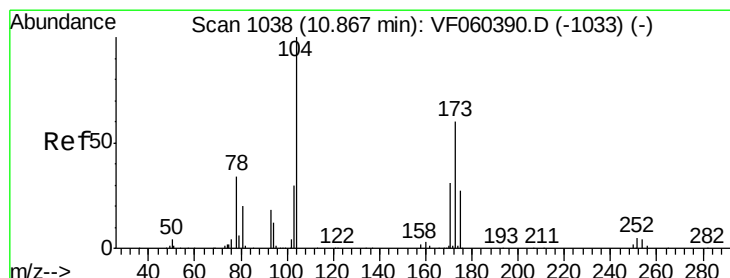
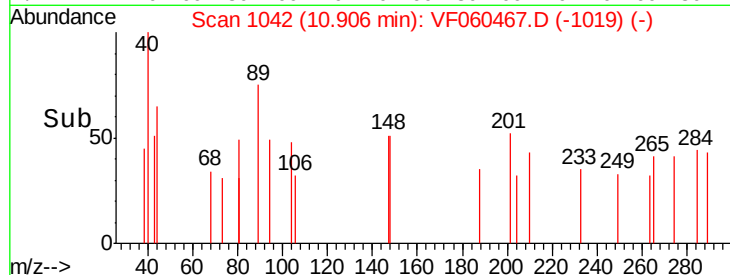
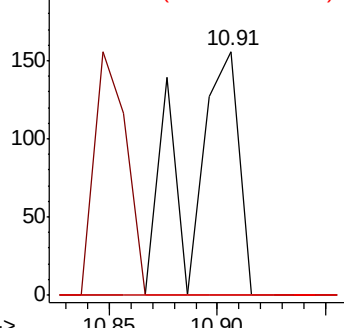
103 0.0 36.4 54.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 312.553 ug/l

RT: 10.73 min Scan# 1024

Delta R.T. -0.14 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

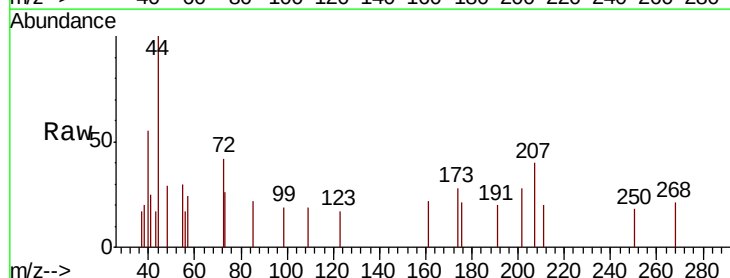
Tgt Ion:173 Resp: 100

Ion Ratio Lower Upper

173 100

175 0.0 22.1 66.1#

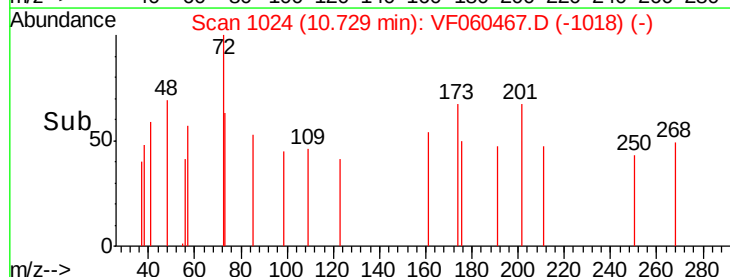
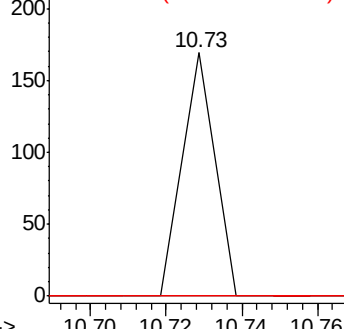
254 0.0 0.0 0.0

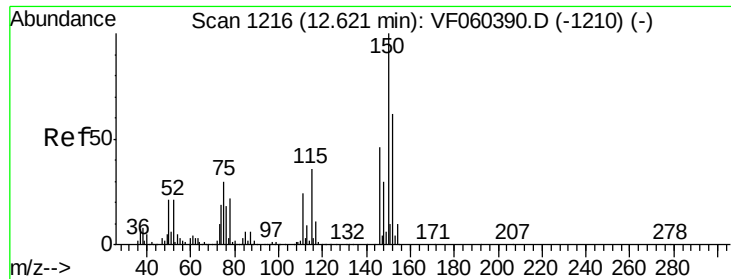


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



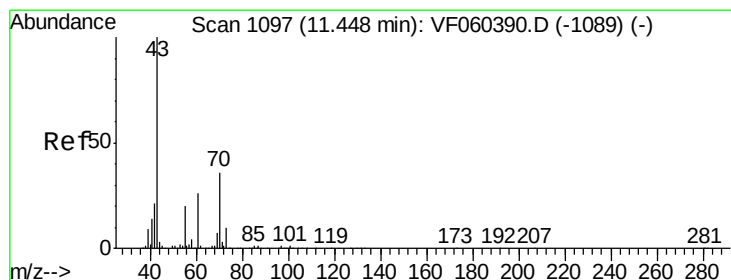
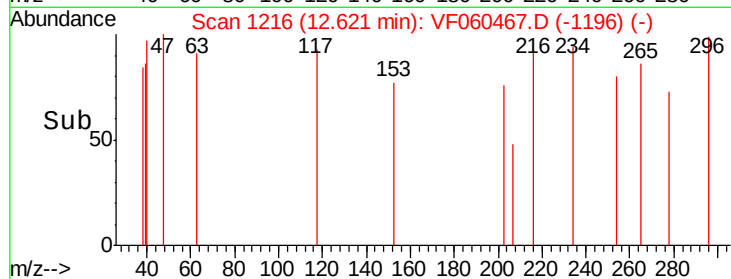
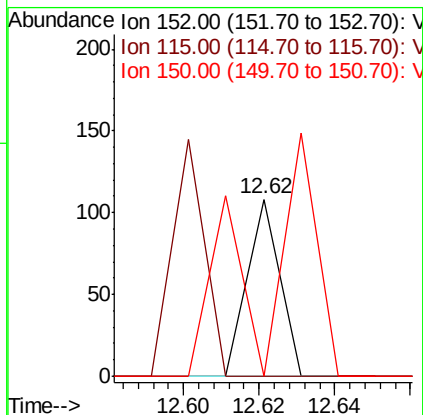
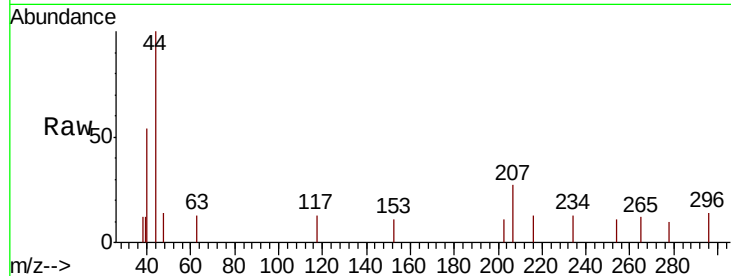


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

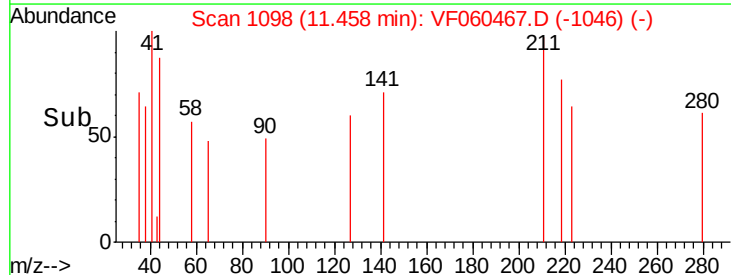
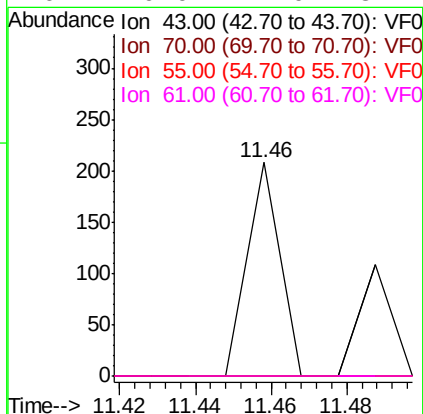
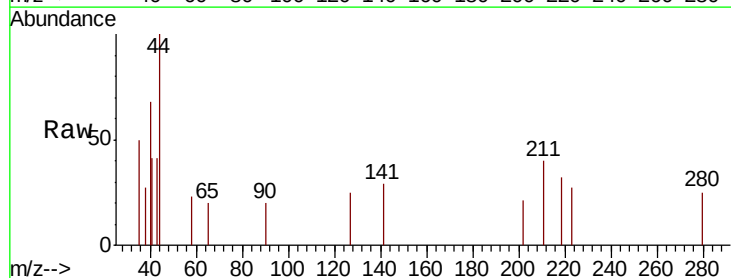
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.6	85.8#
150	0.0	0.0	324.6

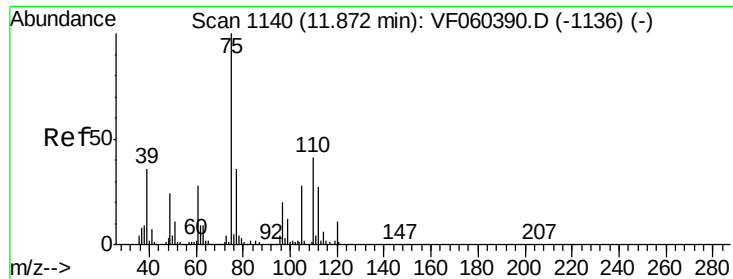


#74

N-amyl acetate
Concen: 106.353 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.1	43.7#
55	0.0	16.3	24.5#
61	0.0	21.0	31.4#





#76

1,2,3-Trichloropropane

Concen: 140.458 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

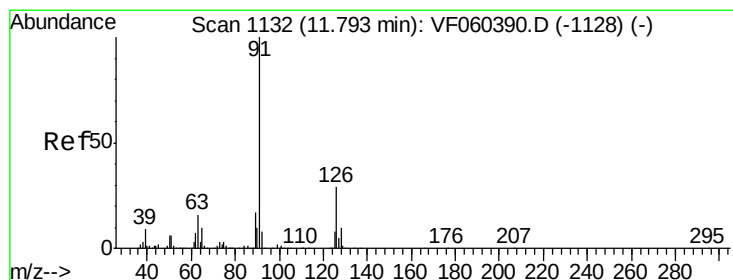
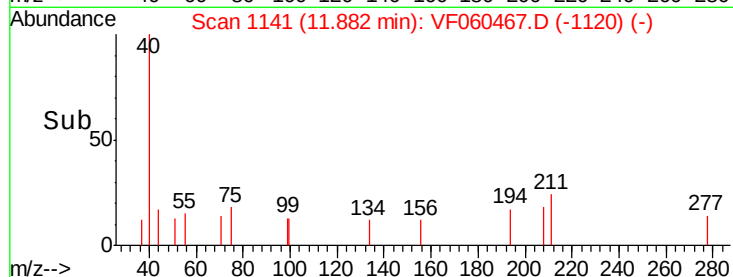
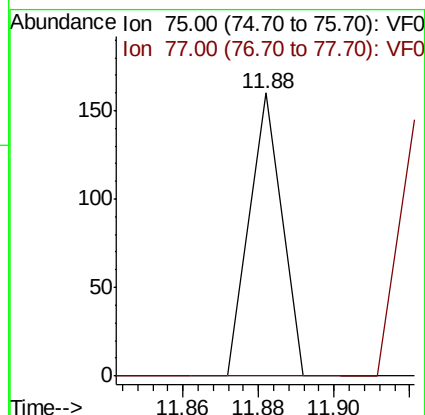
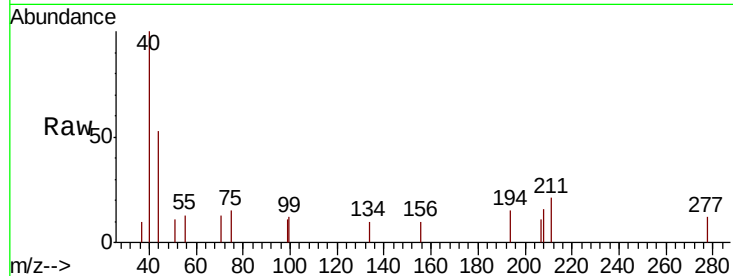
331-SAND-SOILRE

Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

77 0.0 18.1 54.4#



#79

2-Chlorotoluene

Concen: 43.095 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.05 min

Lab File: VF060467.D

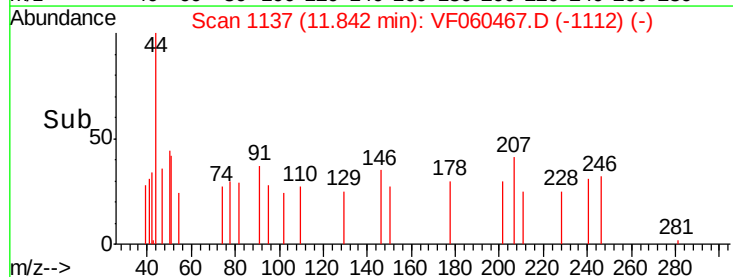
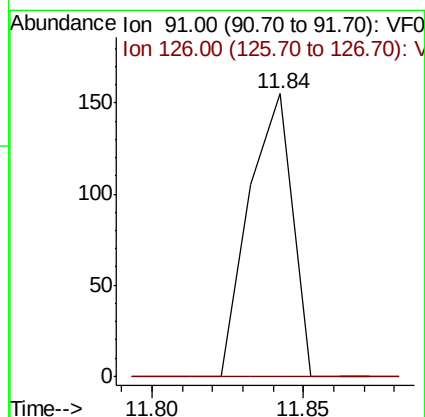
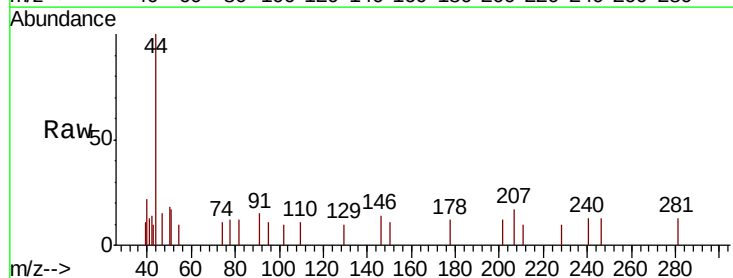
Acq: 5 Oct 2018 21:00

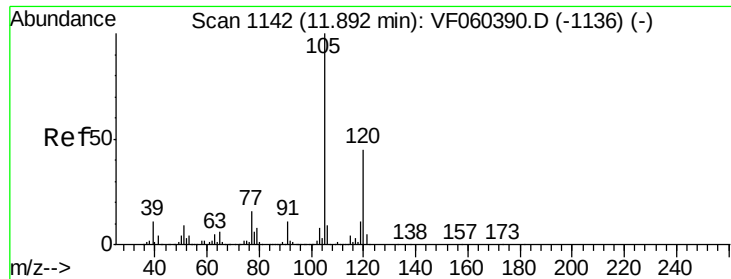
Tgt Ion: 91 Resp: 154

Ion Ratio Lower Upper

91 100

126 0.0 14.4 43.4#





#80

1,3,5-Trimethylbenzene

Concen: 20.087 ug/l

RT: 12.00 min Scan# 1153

Delta R.T. 0.11 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

Instrument :

MSVOA_F

ClientSampleId :

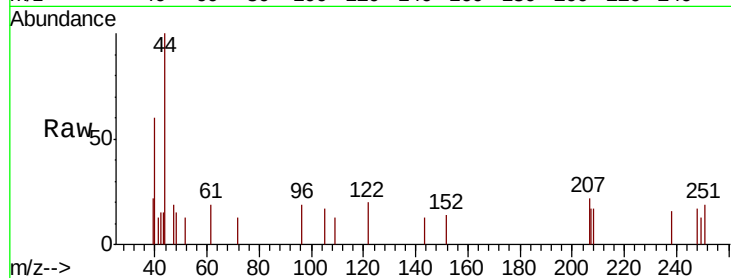
331-SAND-SOILRE

Tot Ion:105 Resp: 86

Ion Ratio Lower Upper

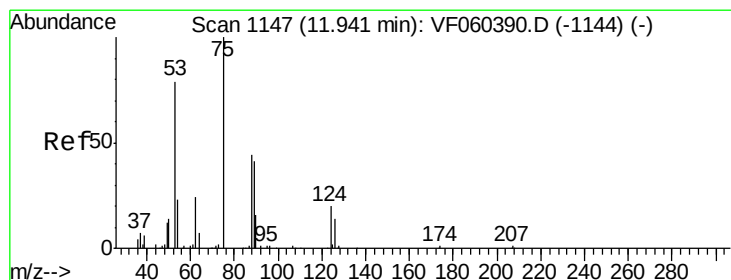
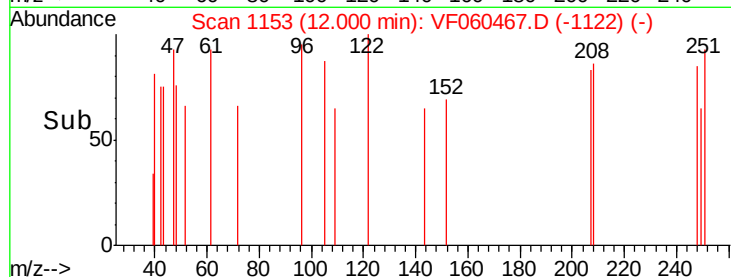
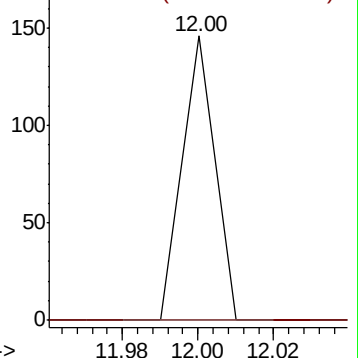
105 100

120 0.0 22.3 66.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 236.812 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

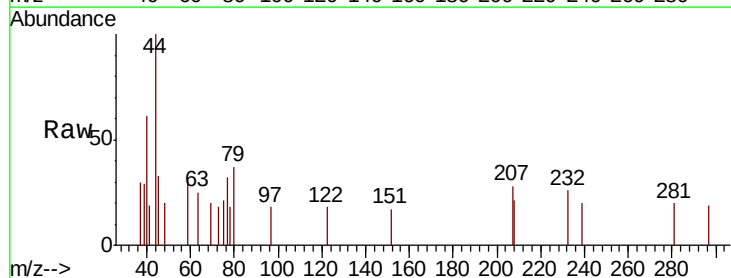
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

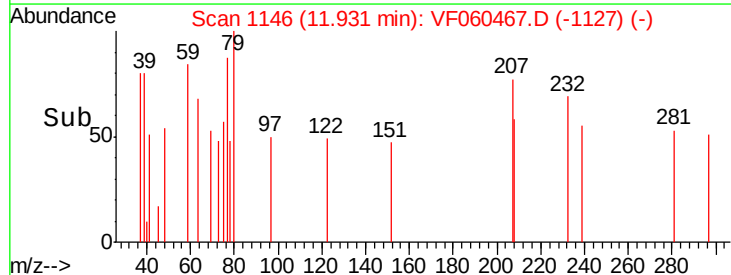
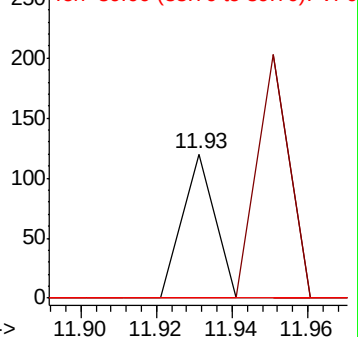
89 0.0 36.7 55.1#

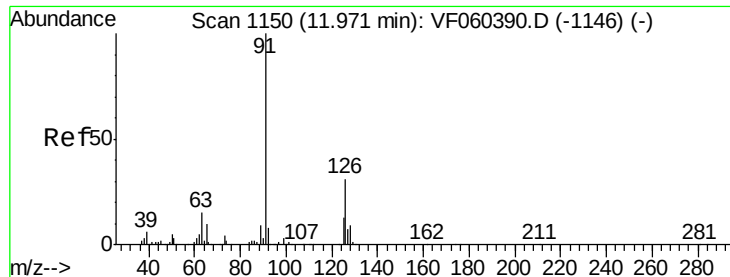


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

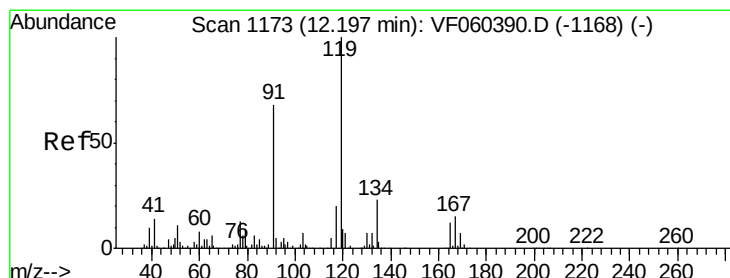
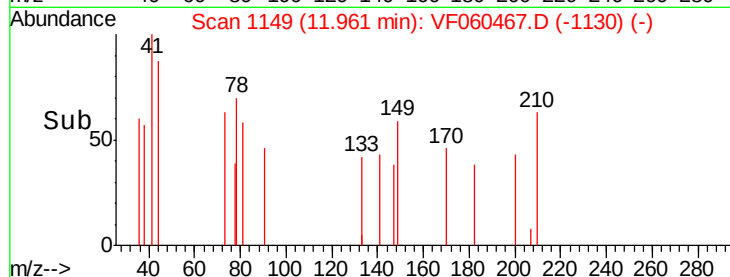
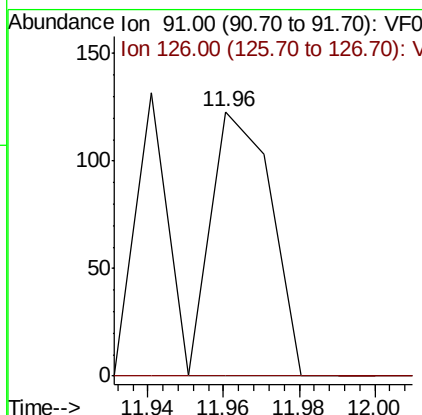
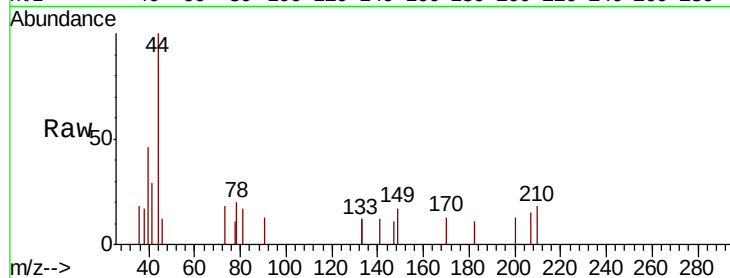




#82
4-Chlorotoluene
Concen: 36.649 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. -0.01 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

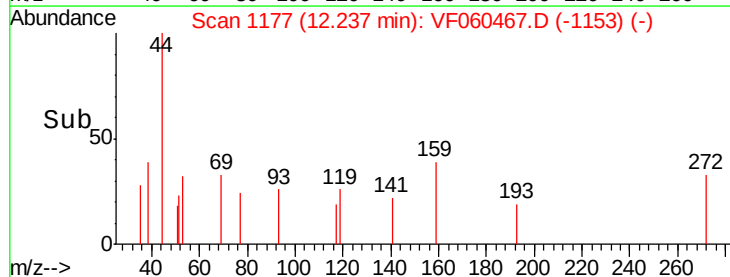
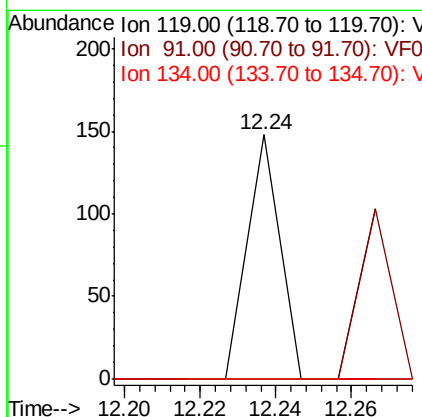
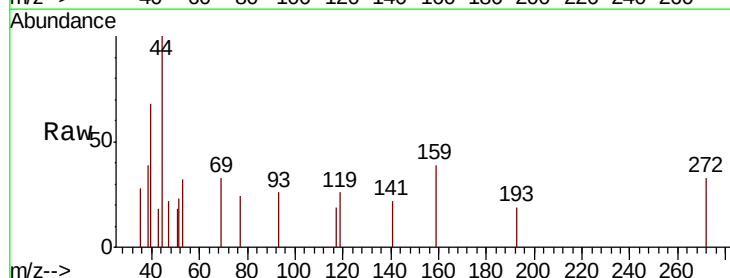
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

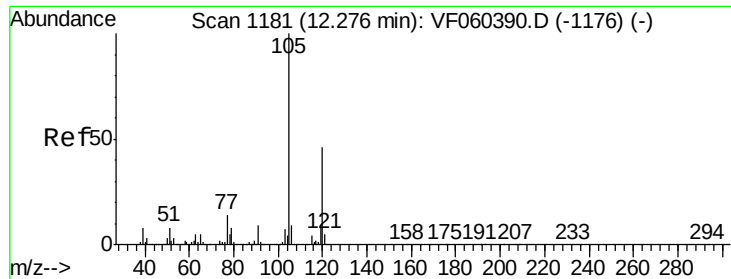
Tot Ion: 91 Resp: 134
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#83
tert-Butylbenzene
Concen: 20.839 ug/l
RT: 12.24 min Scan# 1177
Delta R.T. 0.04 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 119 Resp: 88
Ion Ratio Lower Upper
119 100
91 0.0 34.0 102.0#
134 0.0 11.7 35.0#

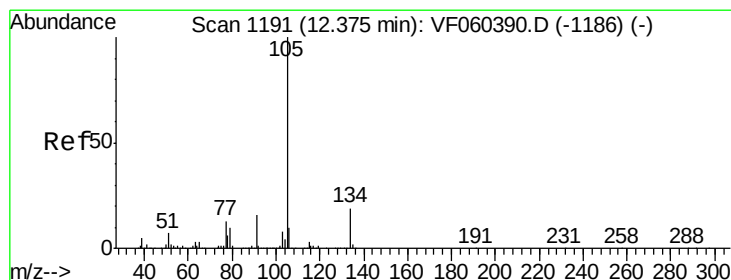
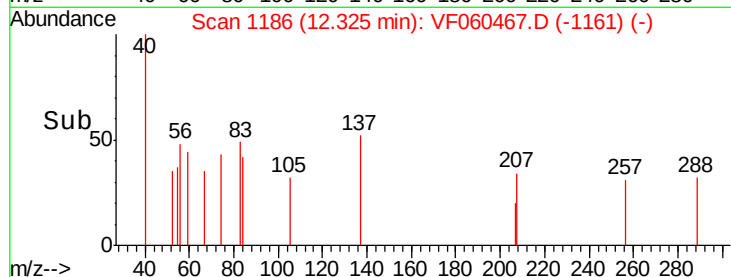
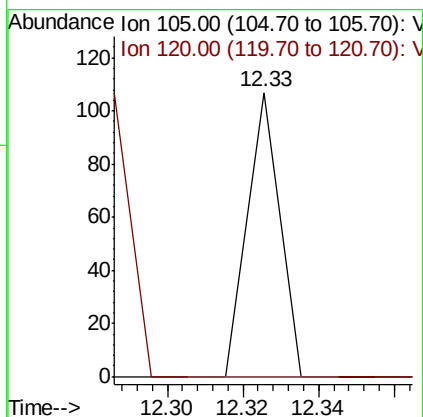
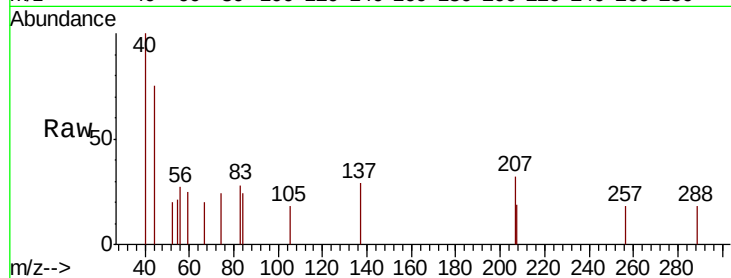




#84
 1,2,4-Trimethylbenzene
 Concen: 14.838 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.05 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

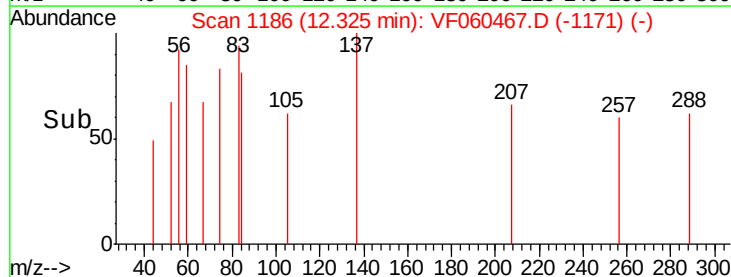
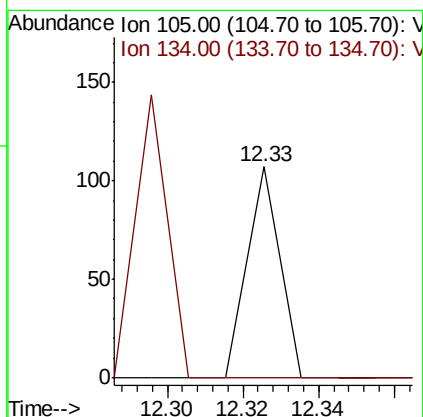
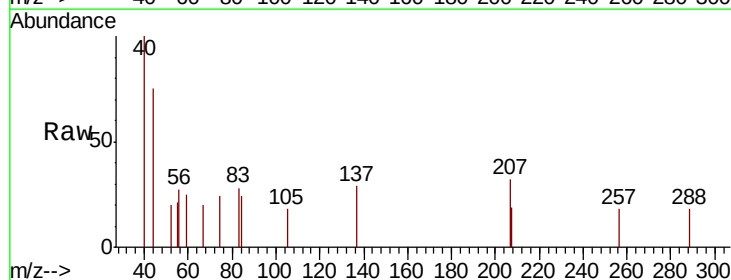
Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

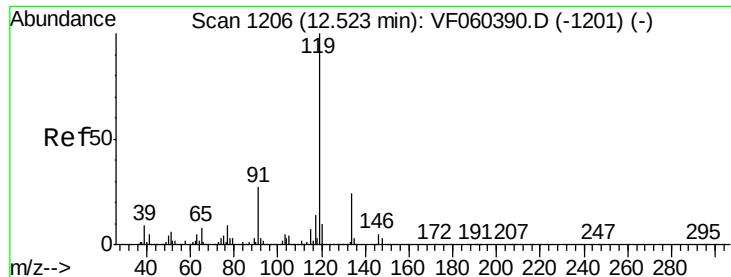
Tot Ion:105 Resp: 63
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.1 69.2#



#85
 sec-Butylbenzene
 Concen: 10.808 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. -0.05 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Tgt Ion:105 Resp: 63
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#





#86

p-Isopropyltoluene

Concen: 13.020 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.02 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

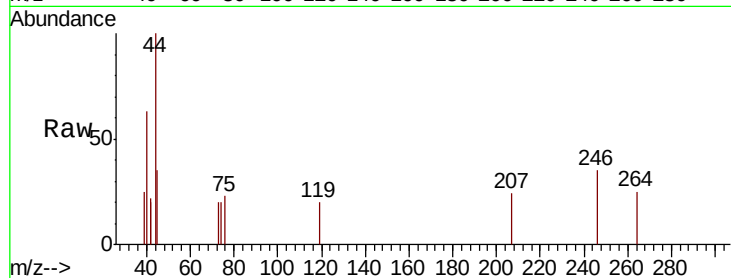
Instrument :

MSVOA_F

ClientSampleId :

331-SAND-SOILRE

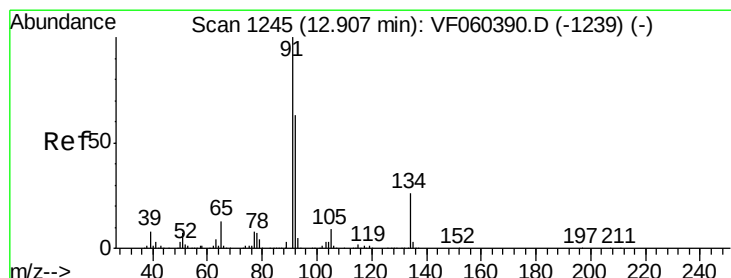
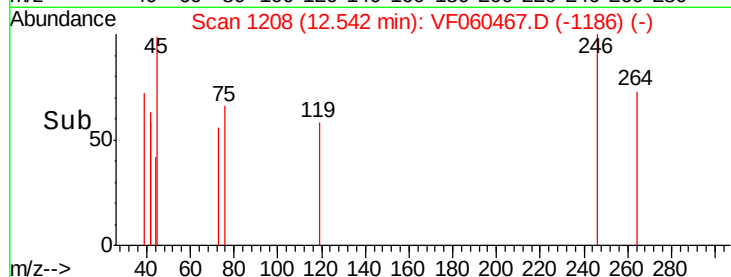
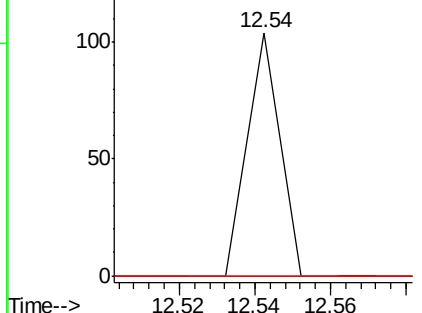
Tot Ion:	119	Resp:	62
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.3	36.8#
91	0.0	13.5	40.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 11.907 ug/l

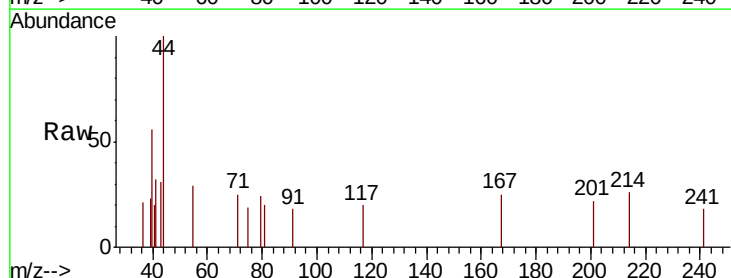
RT: 12.94 min Scan# 1248

Delta R.T. 0.03 min

Lab File: VF060467.D

Acq: 5 Oct 2018 21:00

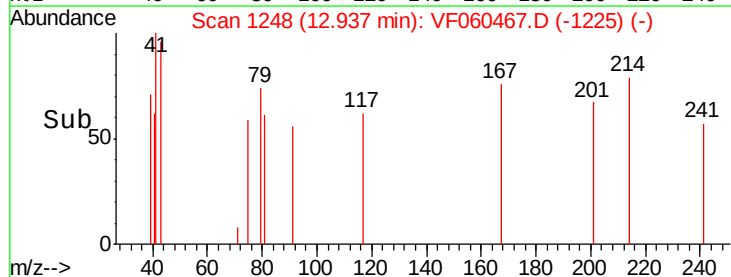
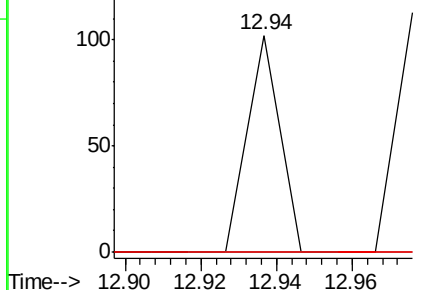
Tgt Ion:	91	Resp:	60
Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.3	93.9#
134	0.0	13.0	38.9#

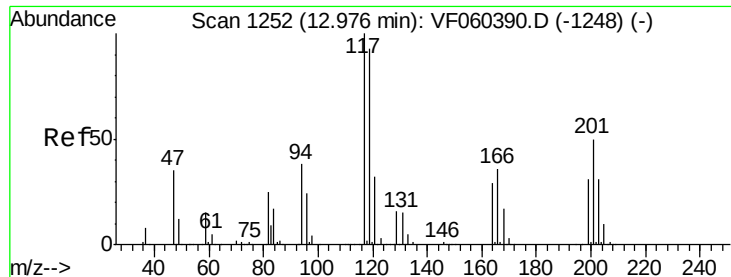


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

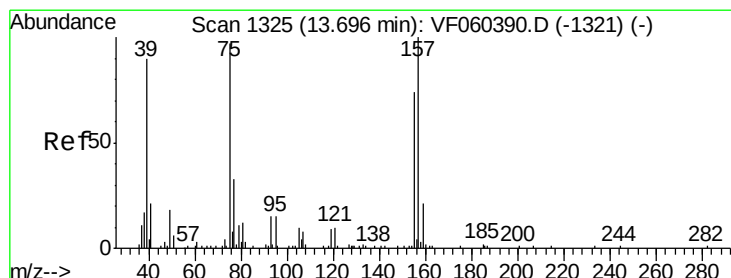
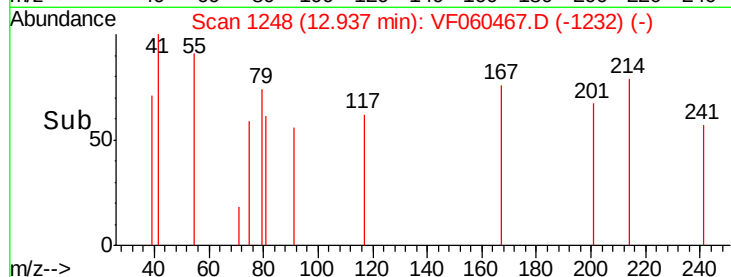
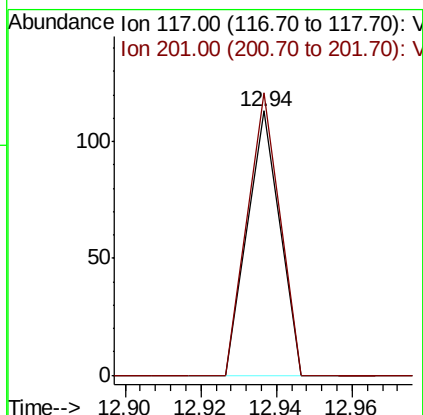
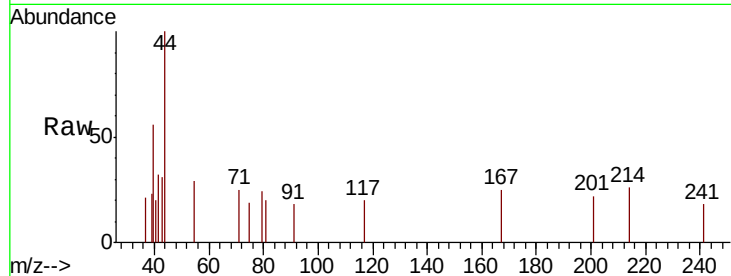




#90
Hexachloroethane
Concen: 54.437 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.04 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

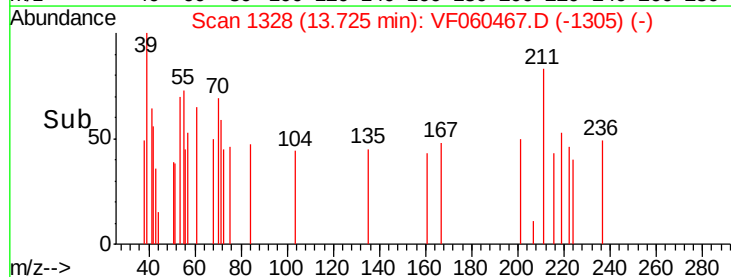
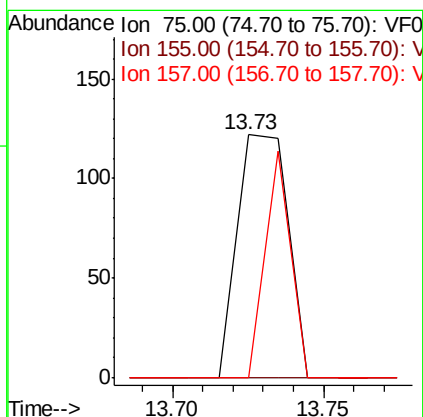
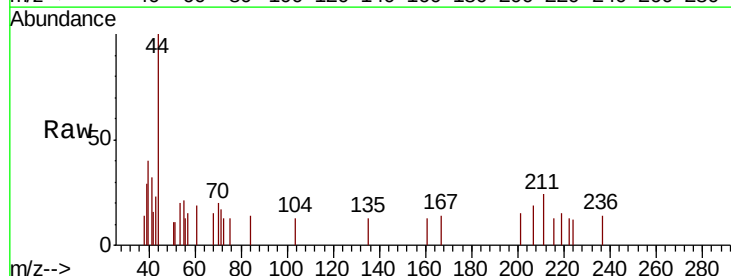
Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

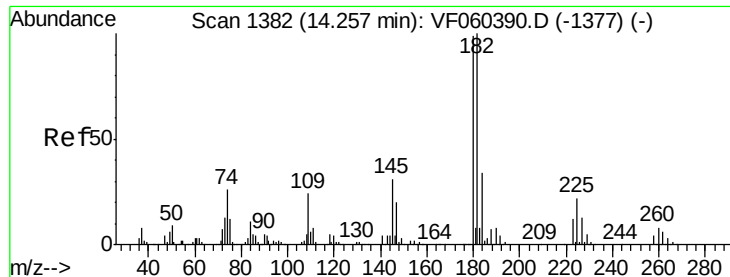
Tot Ion:117 Resp: 67
Ion Ratio Lower Upper
117 100
201 107.1 25.5 76.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 802.897 ug/l
RT: 13.73 min Scan# 1328
Delta R.T. 0.03 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
155 0.0 37.9 113.6#
157 0.0 51.3 154.0#

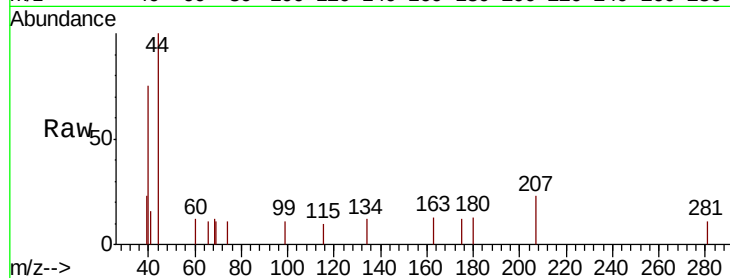




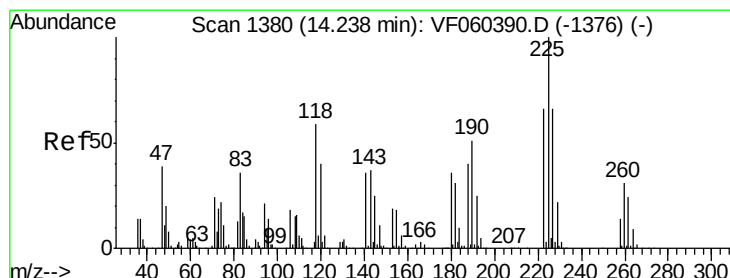
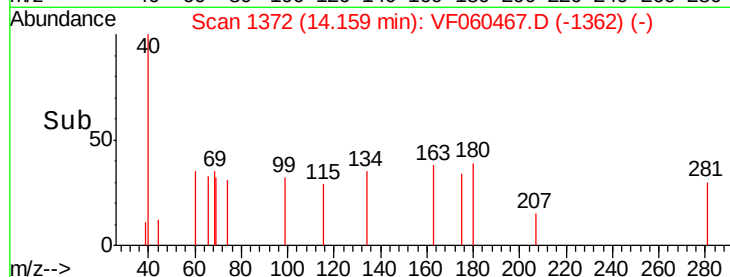
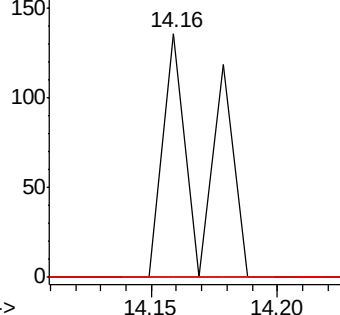
#93
 1,2,4-Trichlorobenzene
 Concen: 99.472 ug/l
 RT: 14.16 min Scan# 1372
 Delta R.T. -0.10 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Instrument :
 MSVOA_F
 ClientSampleId :
 331-SAND-SOILRE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	50.3	150.9#
145	0.0	15.5	46.5#

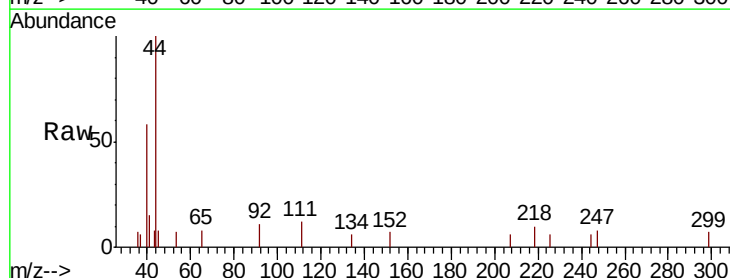


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

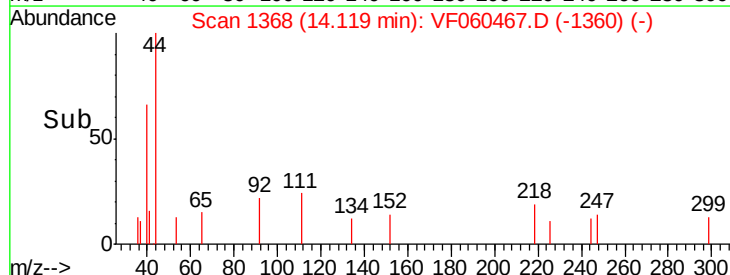
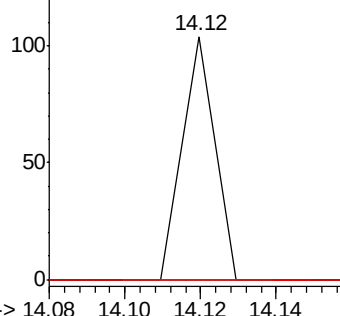


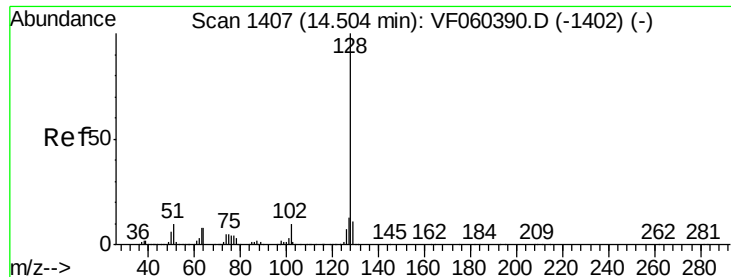
#94
 Hexachlorobutadiene
 Concen: 58.519 ug/l
 RT: 14.12 min Scan# 1368
 Delta R.T. -0.12 min
 Lab File: VF060467.D
 Acq: 5 Oct 2018 21:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.8	98.4#
227	0.0	33.0	99.0#



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

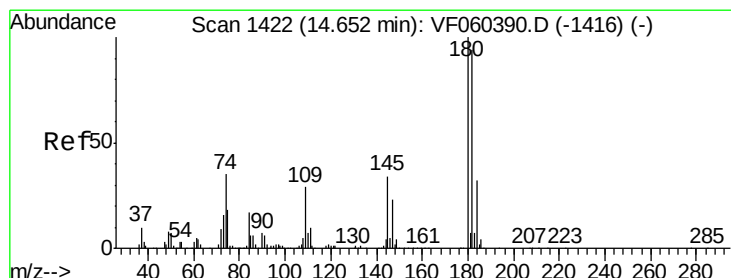
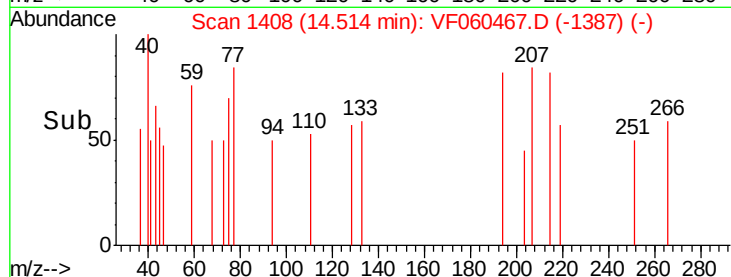
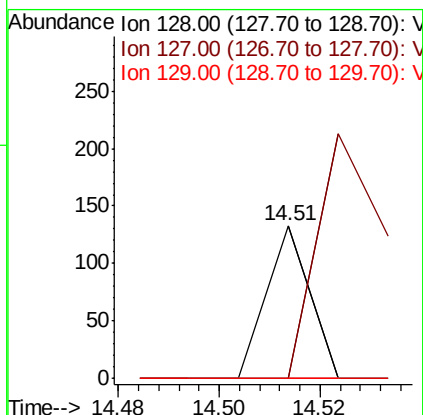
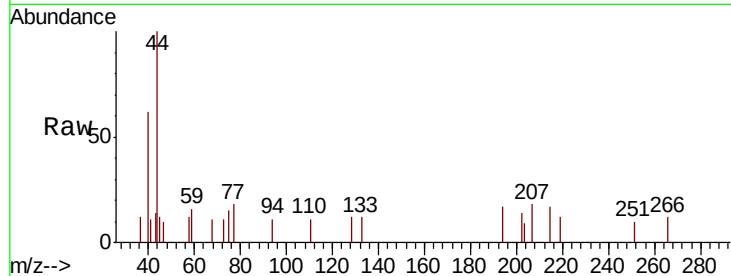




#95
Naphthalene
Concen: 29.107 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Instrument :
MSVOA_F
ClientSampleId :
331-SAND-SOILRE

Tot Ion:128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 42.165 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.04 min
Lab File: VF060467.D
Acq: 5 Oct 2018 21:00

Tgt Ion:180 Resp: 60
Ion Ratio Lower Upper
180 100
182 0.0 46.8 140.3#
145 0.0 16.9 50.6#

