

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062240.D
 Acq On : 22 Apr 2019 13:05
 Operator : FY/SY
 Sample : K2413-01RE
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NCC-TOPSOIL-KYRE

Quant Time: Apr 22 16:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	898	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	267	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	256	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	67	50.00	ug/l	-0.06

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	424	51.49	ug/l	-0.13
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.72	98	364	61.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	123.14%	
62) 4-Bromofluorobenzene	11.51	95	167	73.43	ug/l	0.03
Spiked Amount	50.000		Recovery	=	146.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	304	22.276	ug/l #	30
3) Chloromethane	1.14	50	203	14.392	ug/l #	41
4) Vinyl Chloride	1.07	62	67	5.529	ug/l #	42
5) Bromomethane	1.40	94	463	65.769	ug/l #	33
6) Chloroethane	1.43	64	75	14.804	ug/l #	41
7) Trichlorofluoromethane	1.48	101	75	4.872	ug/l #	20
8) Diethyl Ether	1.71	74	93	29.025	ug/l #	1
10) Methyl Iodide	1.97	142	127	6.797	ug/l #	42
11) Tert butyl alcohol	2.74	59	142	248.092	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	356	35.588	ug/l #	6
13) Acrolein	2.09	56	1231	2318.627	ug/l #	14
14) Allyl chloride	2.21	41	595	51.829	ug/l #	21
15) Acrylonitrile	3.07	53	273	156.599	ug/l #	51
16) Acetone	2.34	43	1413	717.919	ug/l	93
17) Carbon Disulfide	1.75	76	66	2.374	ug/l #	1
18) Methyl Acetate	2.47	43	882	228.912	ug/l #	59
19) Methyl tert-butyl Ether	2.53	73	390	22.082	ug/l #	58
20) Methylene Chloride	2.30	84	502	52.209	ug/l #	1
21) trans-1,2-Dichloroethene	2.43	96	571	57.721	ug/l #	1
22) Diisopropyl ether	2.95	45	348	11.850	ug/l #	65
23) Vinyl Acetate	3.36	43	1165	83.265	ug/l #	79
24) 1,1-Dichloroethane	2.99	63	114	7.097	ug/l #	88
25) 2-Butanone	4.60	43	1535	390.042	ug/l	98
26) 2,2-Dichloropropane	3.70	77	728	89.761	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	488	38.093	ug/l	36
28) Bromochloromethane	3.87	49	70	9.096	ug/l #	8
29) Tetrahydrofuran	4.25	42	767	430.576	ug/l #	47
30) Chloroform	4.07	83	80	4.052	ug/l #	18
31) Cyclohexane	3.86	56	248	12.882	ug/l #	1
32) 1,1,1-Trichloroethane	4.27	97	256	17.715	ug/l #	17
36) 1,1-Dichloropropene	4.42	75	167	52.168	ug/l #	1
37) Ethyl Acetate	4.28	43	426	282.011	ug/l #	74
38) Carbon Tetrachloride	4.18	117	73	25.763	ug/l #	13
39) Methylcyclohexane	5.63	83	513	133.844	ug/l #	36

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.81	78	612	72.887	ug/l #	11
41) Methacrylonitrile	4.93	41	269	308.720	ug/l #	1
42) 1,2-Dichloroethane	5.12	62	63	28.382	ug/l #	74
43) Isopropyl Acetate	7.10	43	134	84.343	ug/l #	45
44) Trichloroethene	5.57	130	61	26.885	ug/l	2
45) 1,2-Dichloropropane	6.42	63	201	108.676	ug/l #	42
46) Dibromomethane	6.31	93	76	61.761	ug/l #	3
47) Bromodichloromethane	6.56	83	79	28.449	ug/l #	24
48) Methyl methacrylate	6.90	41	274	262.425	ug/l #	1
49) 1,4-Dioxane	6.96	88	134	11190.656	ug/l #	57
51) 4-Methyl-2-Pentanone	8.44	43	914	773.469	ug/l #	80
52) Toluene	7.78	92	225	50.836	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	152	72.878	ug/l #	1
54) cis-1,3-Dichloropropene	7.48	75	63	22.331	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	143	115.331	ug/l #	40
56) Ethyl methacrylate	8.73	69	425	301.479	ug/l #	18
57) 1,3-Dichloropropane	9.03	76	66	32.964	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.43	63	61	149.039	ug/l #	48
59) 2-Hexanone	9.84	43	823	1116.362	ug/l	67
60) Dibromochloromethane	9.09	129	77	41.757	ug/l	85
61) 1,2-Dibromoethane	9.21	107	65	46.531	ug/l	86
65) Chlorobenzene	9.87	112	67	12.274	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.00	131	64	25.037	ug/l #	1
67) Ethyl Benzene	10.02	91	657	66.190	ug/l #	44
68) m/p-Xylenes	10.22	106	65	17.789	ug/l #	1
69) o-Xylene	10.97	106	66	16.269	ug/l	77
70) Styrene	10.88	104	130	22.707	ug/l #	1
71) Bromoform	10.59	173	61	45.196	ug/l #	28
73) Isopropylbenzene	11.22	105	68	11.815	ug/l #	49
74) N-amyl acetate	11.42	43	1284	981.202	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.76	83	155	156.600	ug/l #	70
76) 1,2,3-Trichloropropane	11.85	75	125	183.561	ug/l #	1
77) Bromobenzene	11.36	156	68	55.154	ug/l #	21
78) n-propylbenzene	11.63	91	491	80.871	ug/l #	53
79) 2-Chlorotoluene	11.82	91	711	193.055	ug/l	77
80) 1,3,5-Trimethylbenzene	11.66	105	83	17.315	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.96	75	245	705.453	ug/l #	19
82) 4-Chlorotoluene	11.82	91	711	199.762	ug/l	77
83) tert-Butylbenzene	12.19	119	82	16.542	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.46	105	137	29.534	ug/l	96
85) sec-Butylbenzene	12.32	105	150	23.308	ug/l #	1
86) p-Isopropyltoluene	12.49	119	131	23.996	ug/l #	1
87) 1,3-Dichlorobenzene	12.48	146	77	33.655	ug/l #	24
88) 1,4-Dichlorobenzene	12.59	146	66	29.907	ug/l #	2
89) n-Butylbenzene	12.88	91	219	48.637	ug/l #	65
90) Hexachloroethane	12.95	117	177	126.261	ug/l #	12
91) 1,2-Dichlorobenzene	12.80	146	61	27.612	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.49	75	107	550.226	ug/l	53
93) 1,2,4-Trichlorobenzene	14.12	180	63	34.084	ug/l #	11
95) Naphthalene	14.49	128	153	47.340	ug/l #	1

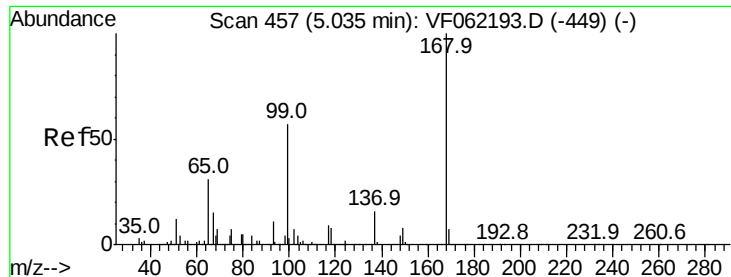
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.51	180	130	73.260	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

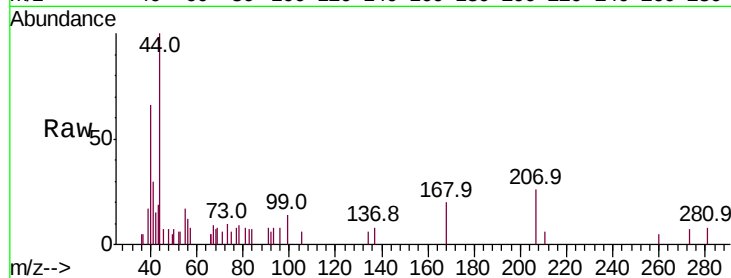
NCC-TOPSOIL-KYRE

Tot Ion:168 Resp: 898

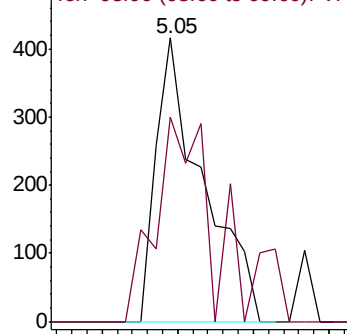
Ion Ratio Lower Upper

168 100

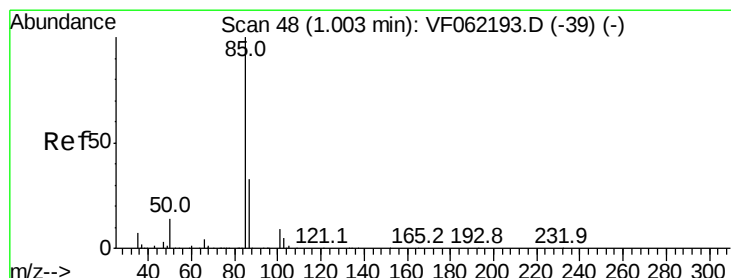
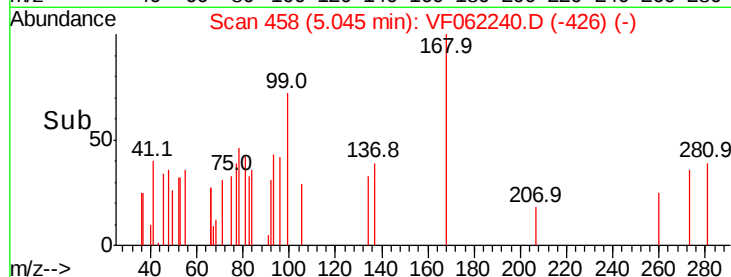
99 71.9 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 22.276 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062240.D

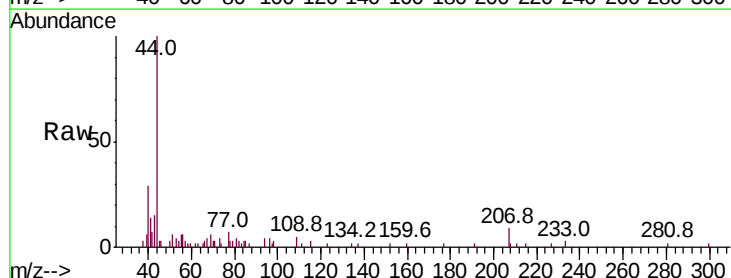
Acq: 22 Apr 2019 13:05

Tgt Ion: 85 Resp: 304

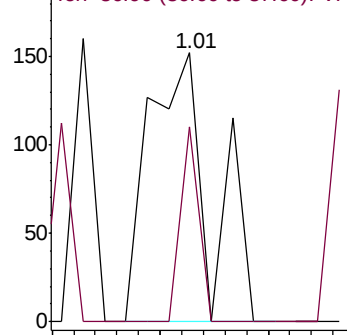
Ion Ratio Lower Upper

85 100

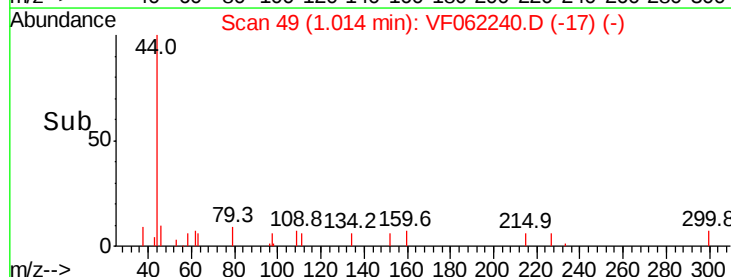
87 72.4 16.4 49.1#

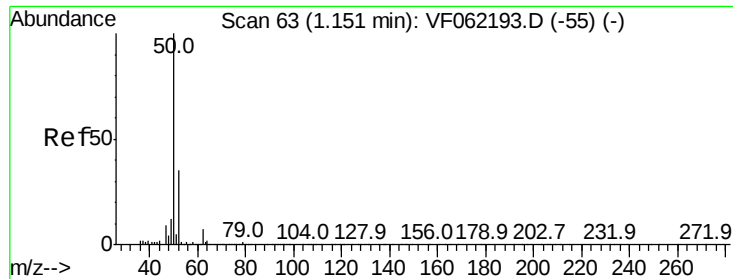


Abundance Ion 84.90 (84.60 to 85.60): VF0



Time-->





#3

Chloromethane

Concen: 14.392 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

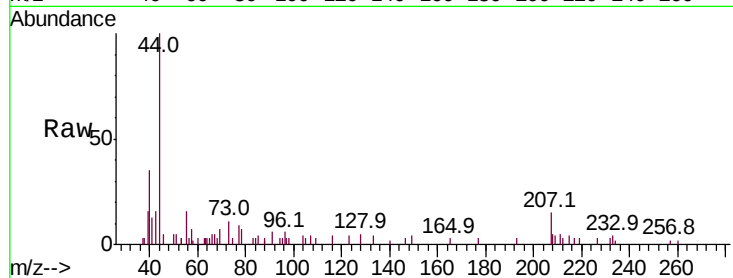
NCC-TOPSOIL-KYRE

Tot Ion: 50 Resp: 203

Ion Ratio Lower Upper

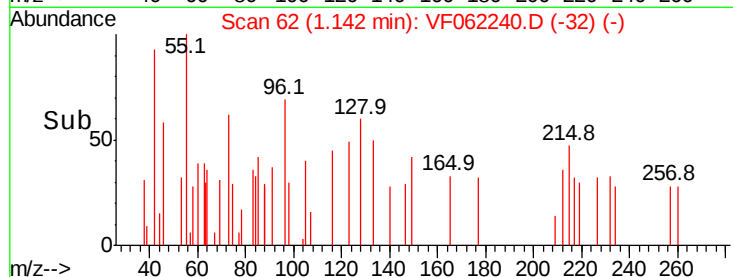
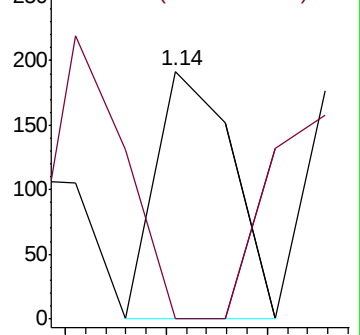
50 100

52 0.0 27.0 40.4#

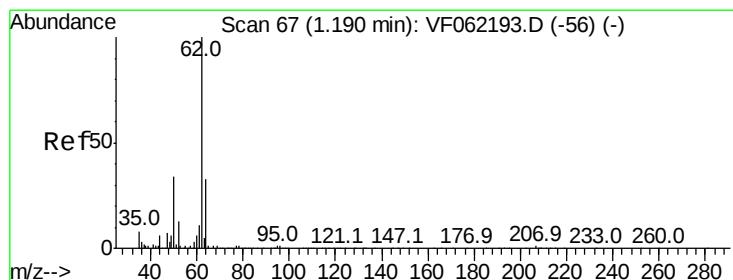


Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



Time-->



#4

Vinyl Chloride

Concen: 5.529 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.12 min

Lab File: VF062240.D

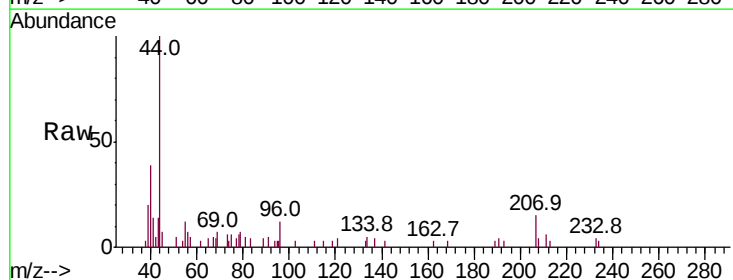
Acq: 22 Apr 2019 13:05

Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

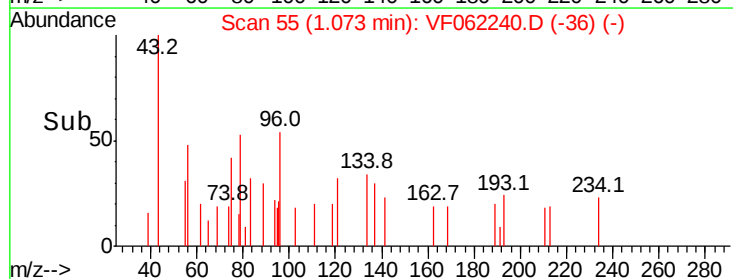
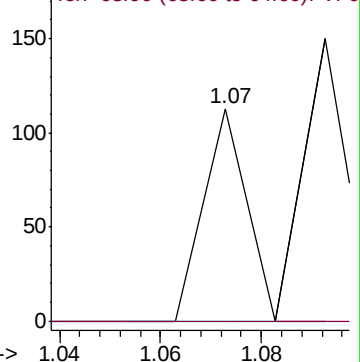
62 100

64 0.0 26.2 39.4#

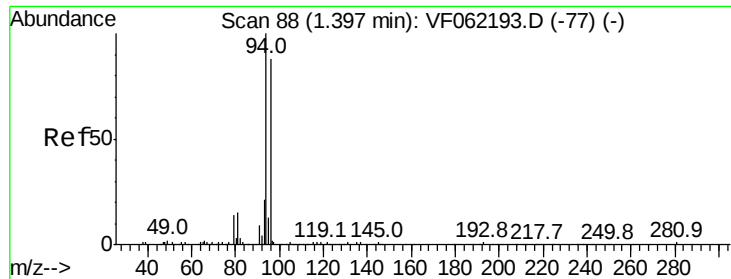


Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0



Time-->



#5

Bromomethane

Concen: 65.769 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

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ClientSampleId :

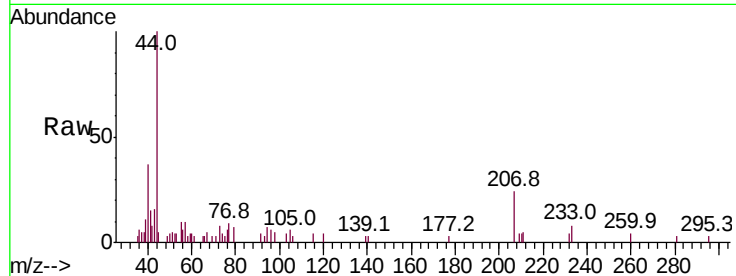
NCC-TOPSOIL-KYRE

Tot Ion: 94 Resp: 463

Ion Ratio Lower Upper

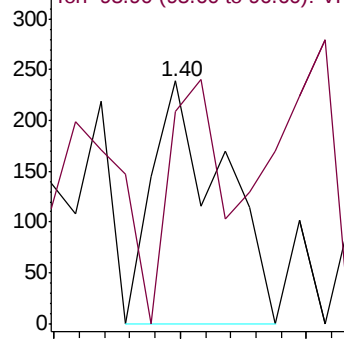
94 100

96 25.9 70.2 105.4#

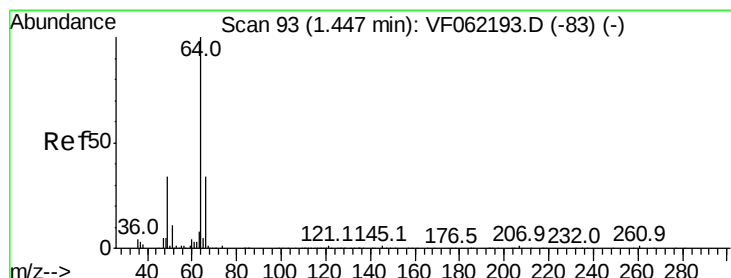
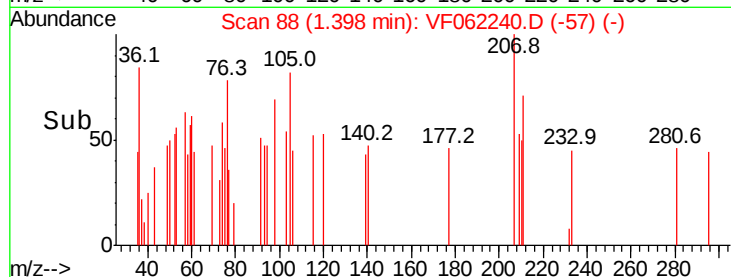


Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



Time--> 1.35 1.40 1.45



#6

Chloroethane

Concen: 14.804 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062240.D

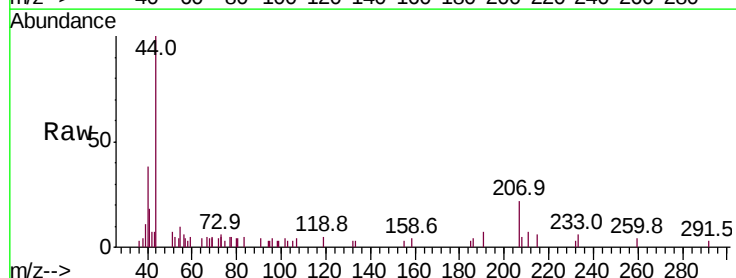
Acq: 22 Apr 2019 13:05

Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

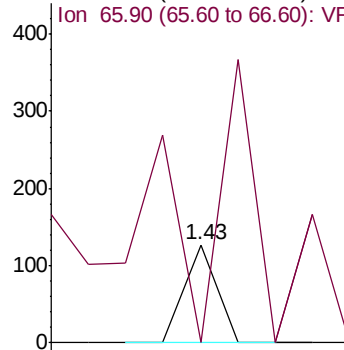
64 100

66 0.0 27.0 40.4#

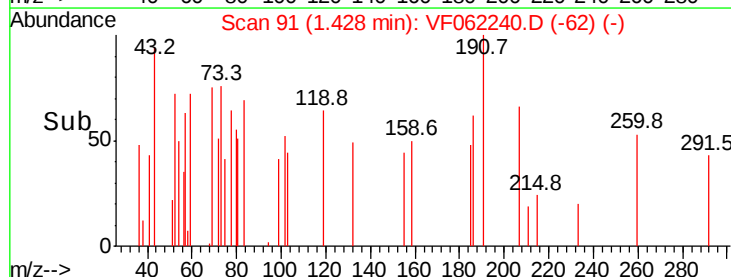


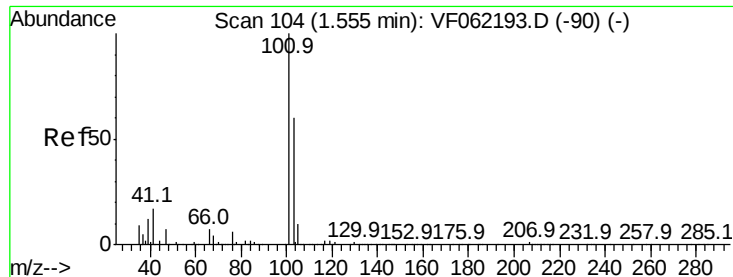
Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



Time--> 1.40 1.42 1.44 1.46





#7

Trichlorofluoromethane

Concen: 4.872 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.08 min

Lab File: VF062240.D

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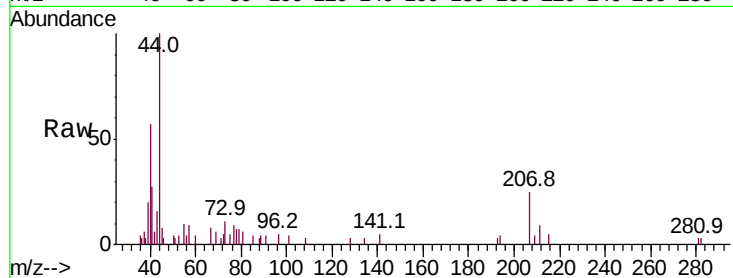
NCC-TOPSOIL-KYRE

Tot Ion:101 Resp: 75

Ion Ratio Lower Upper

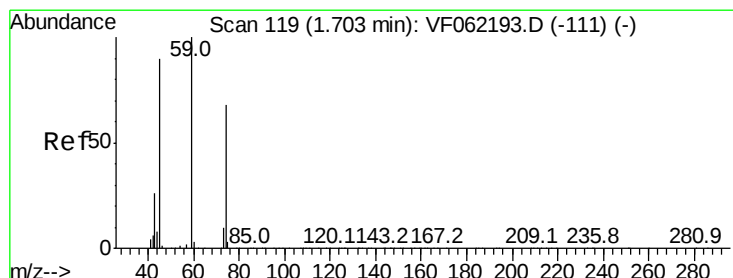
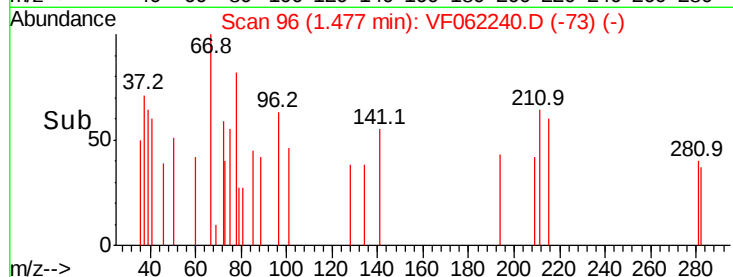
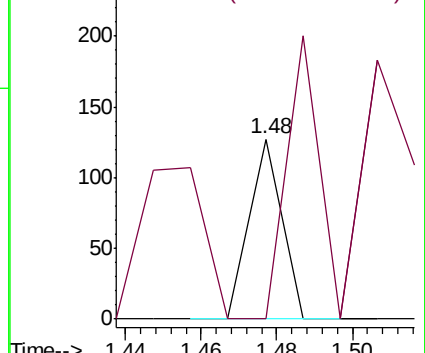
101 100

103 0.0 48.2 72.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 29.025 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062240.D

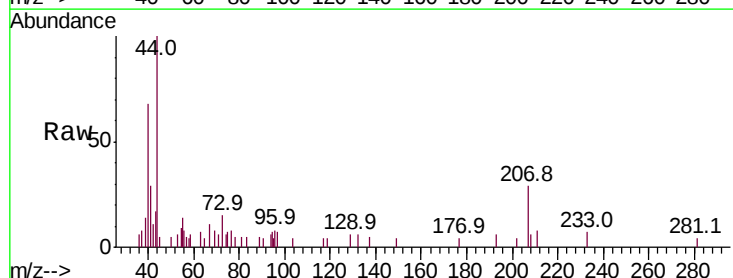
Acq: 22 Apr 2019 13:05

Tgt Ion: 74 Resp: 93

Ion Ratio Lower Upper

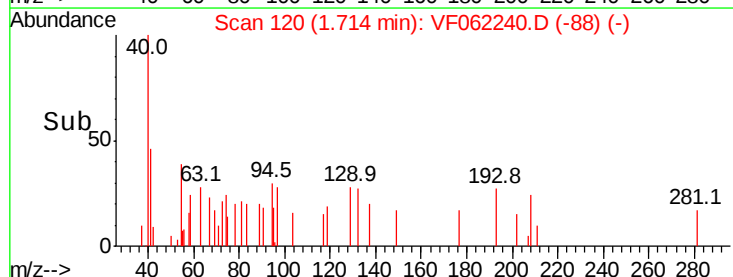
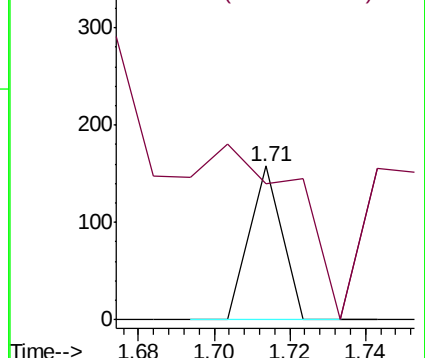
74 100

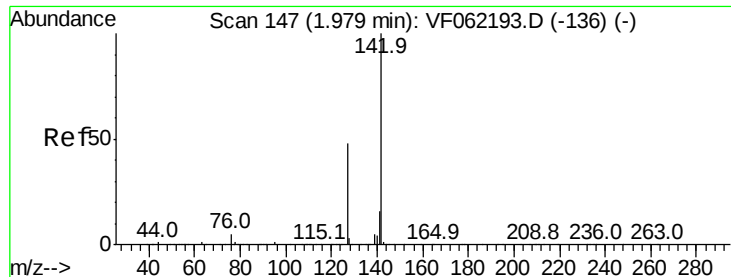
45 0.0 70.0 210.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#10

Methyl Iodide

Concen: 6.797 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

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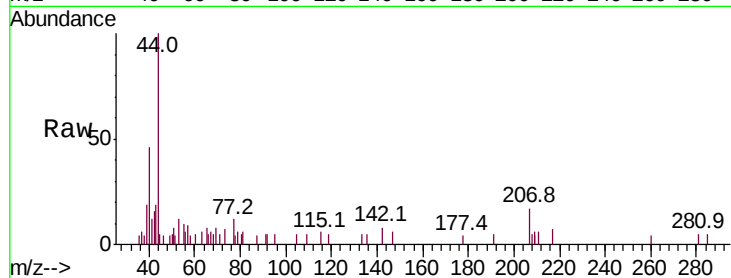
Tot Ion:142 Resp: 127

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

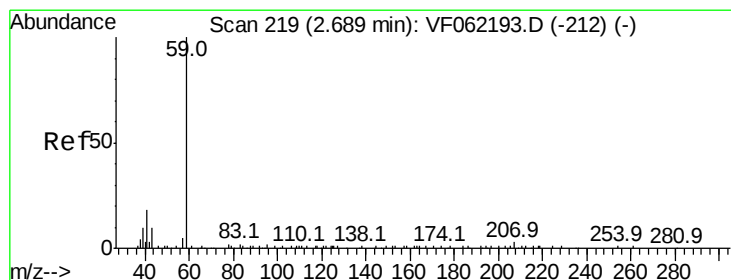
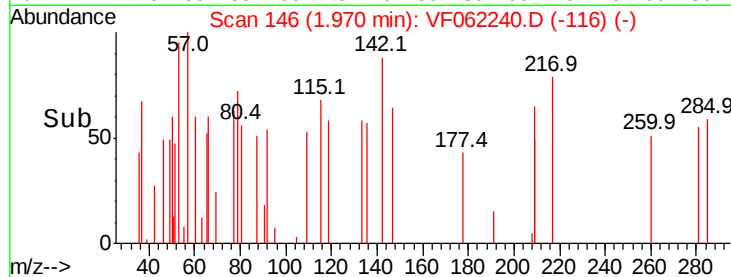
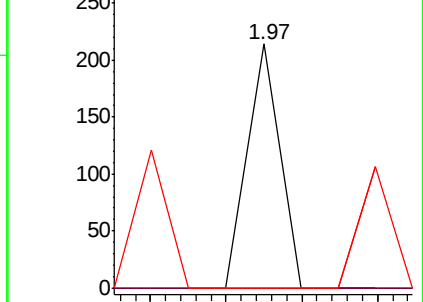
141 0.0 12.7 19.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 248.092 ug/l

RT: 2.74 min Scan# 224

Delta R.T. 0.05 min

Lab File: VF062240.D

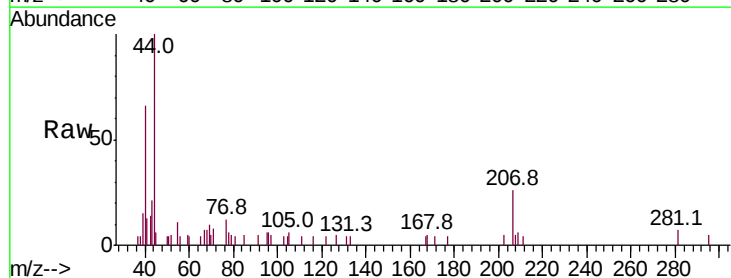
Acq: 22 Apr 2019 13:05

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

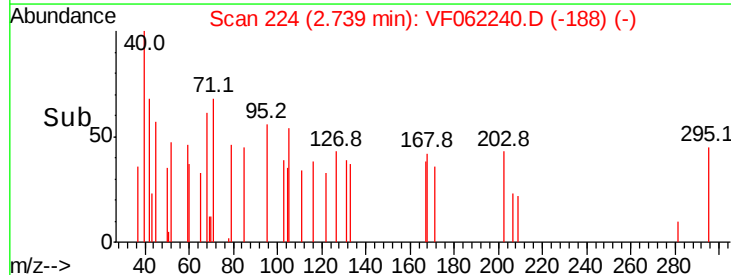
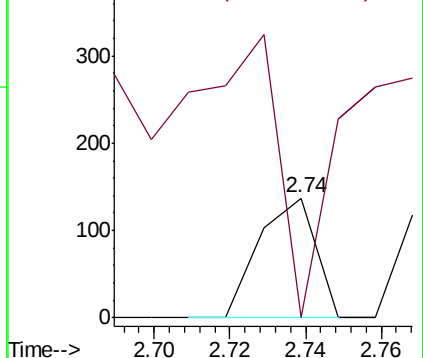
59 100

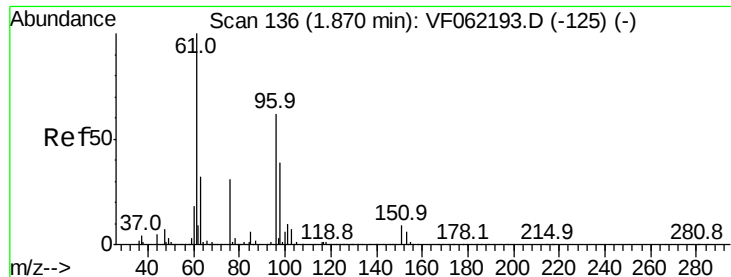
57 614.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 35.588 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

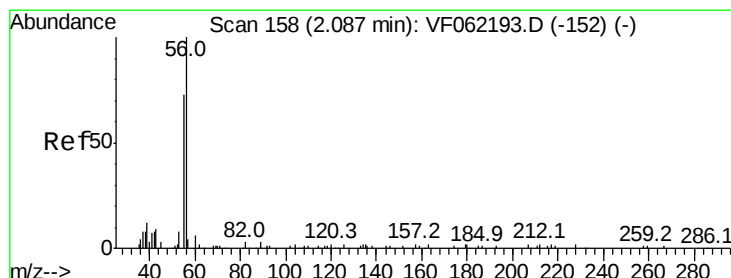
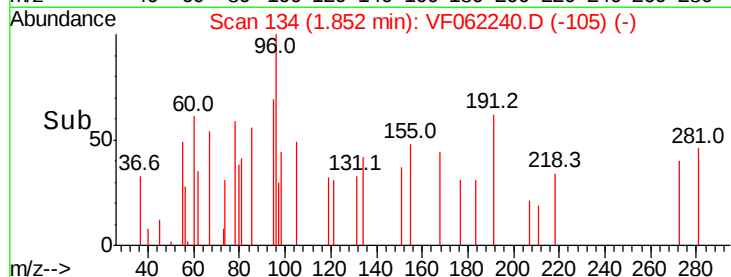
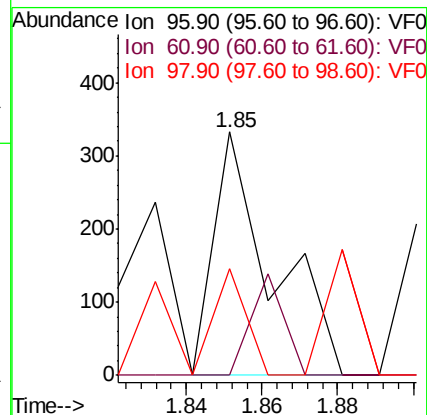
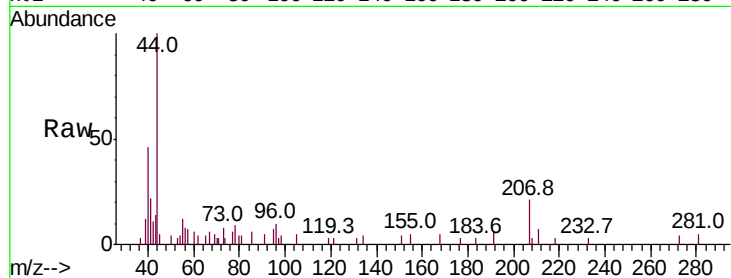
Tot Ion: 96 Resp: 356

Ion Ratio Lower Upper

96 100

61 0.0 129.1 193.7#

98 43.8 50.0 75.0#



#13

Acrolein

Concen: 2318.627 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF062240.D

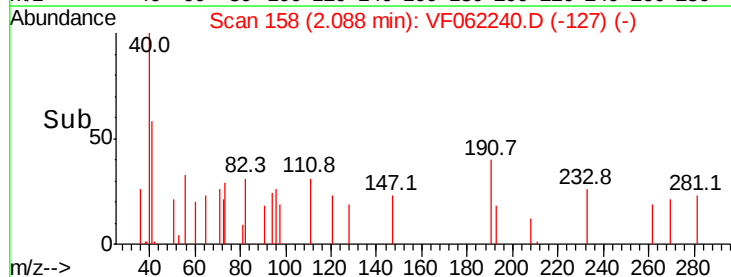
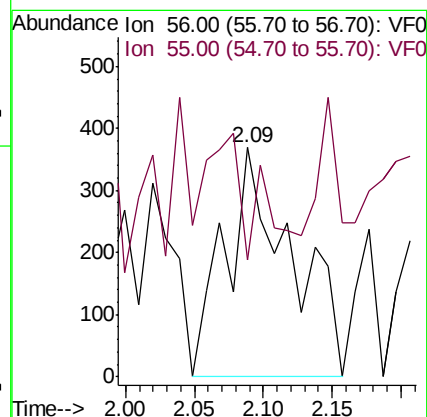
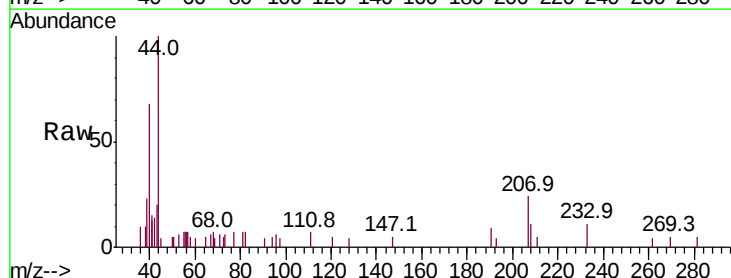
Acq: 22 Apr 2019 13:05

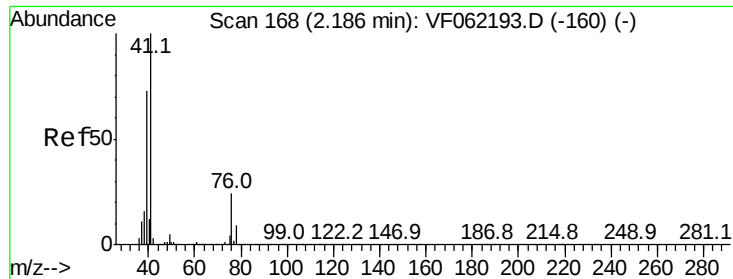
Tgt Ion: 56 Resp: 1231

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#





#14

Allvl chloride

Concen: 51.829 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

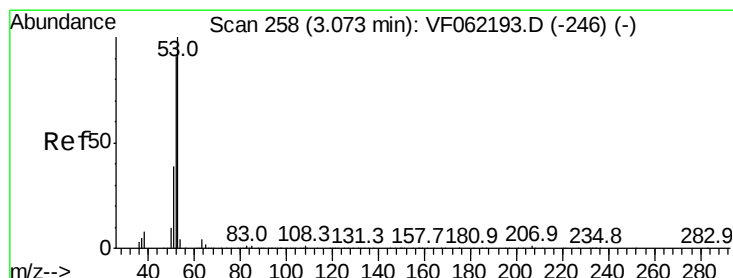
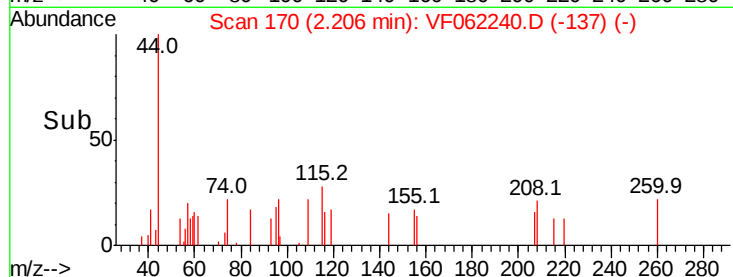
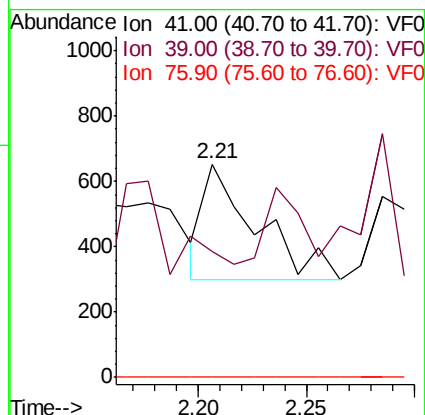
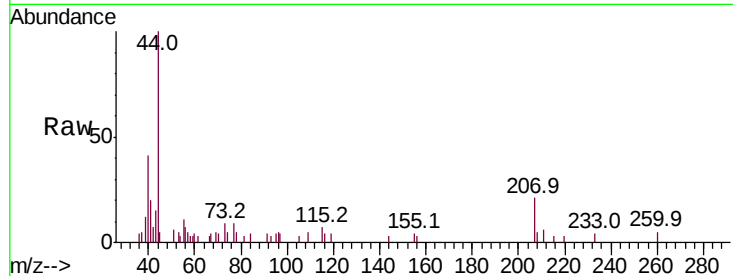
Tot Ion: 41 Resp: 595

Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

76 0.0 20.6 30.8#



#15

Acrylonitrile

Concen: 156.599 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

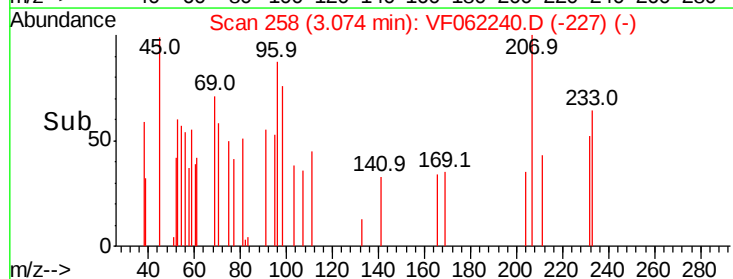
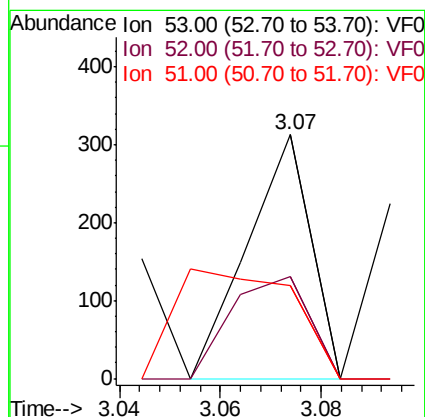
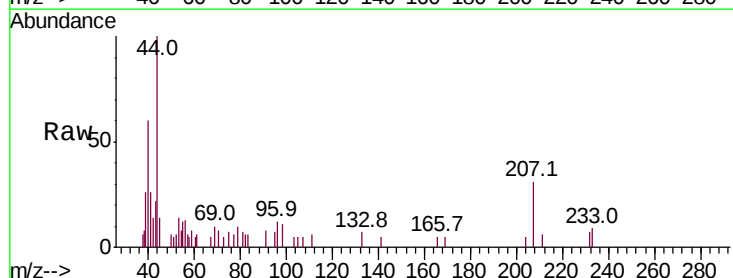
Tgt Ion: 53 Resp: 273

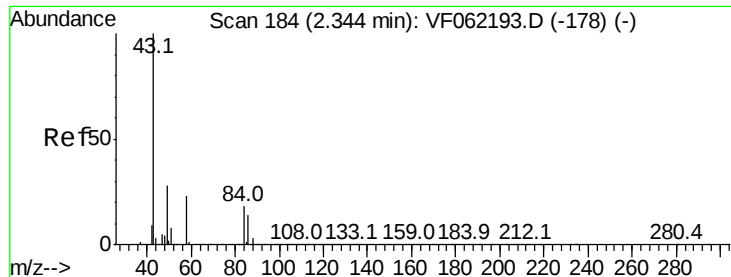
Ion Ratio Lower Upper

53 100

52 51.6 69.5 104.3#

51 83.9 31.8 47.8#





#16

Acetone

Concen: 717.919 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

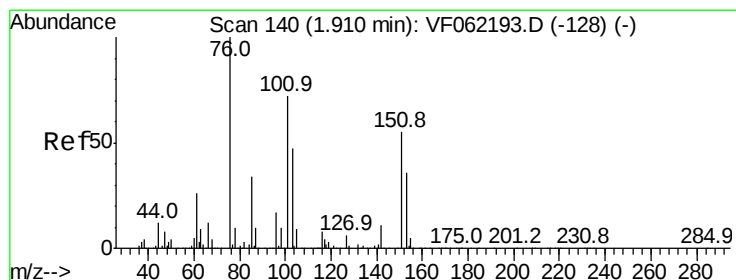
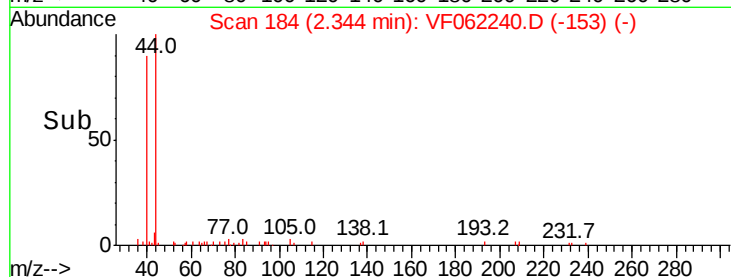
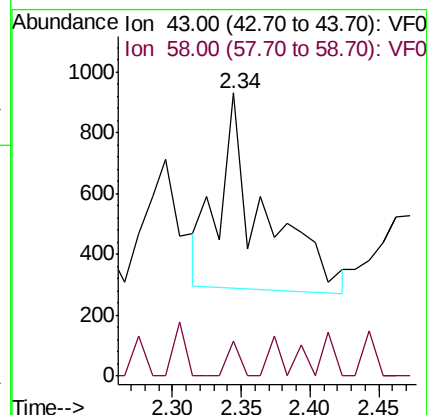
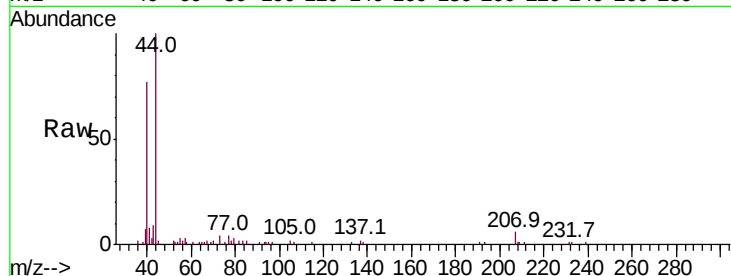
NCC-TOPSOIL-KYRE

Tot Ion: 43 Resp: 1413

Ion Ratio Lower Upper

43 100

58 20.0 18.8 28.2



#17

Carbon Disulfide

Concen: 2.374 ug/l

RT: 1.75 min Scan# 124

Delta R.T. -0.16 min

Lab File: VF062240.D

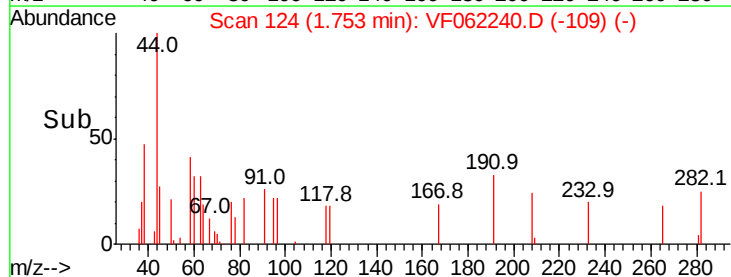
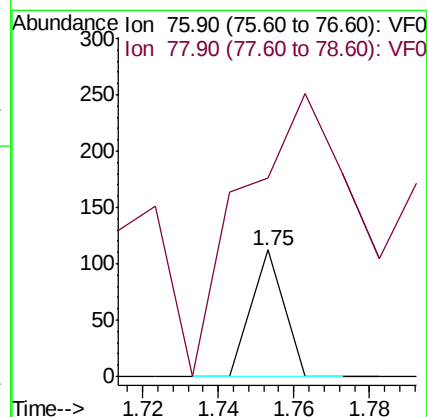
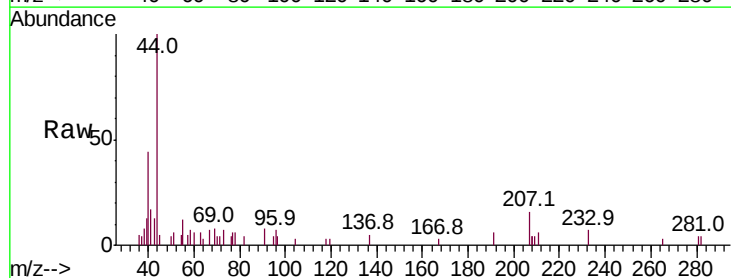
Acq: 22 Apr 2019 13:05

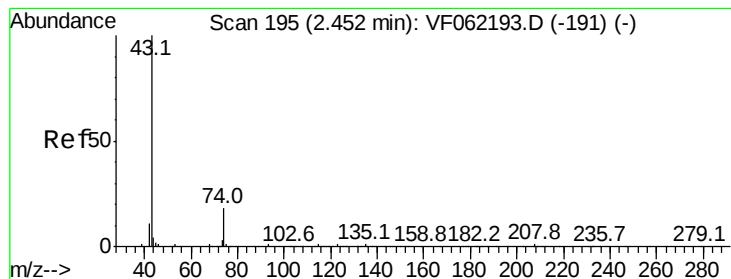
Tgt Ion: 76 Resp: 66

Ion Ratio Lower Upper

76 100

78 157.1 8.7 13.1#





#18

Methyl Acetate

Concen: 228.912 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

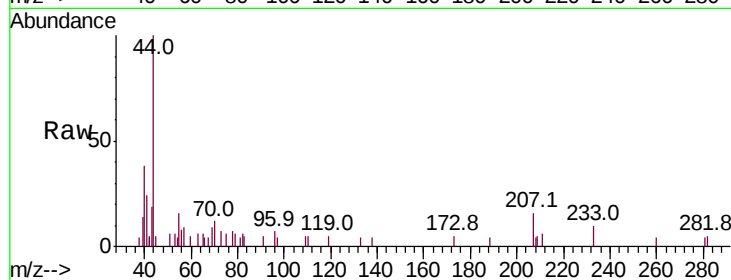
NCC-TOPSOIL-KYRE

Tot Ion: 43 Resp: 882

Ion Ratio Lower Upper

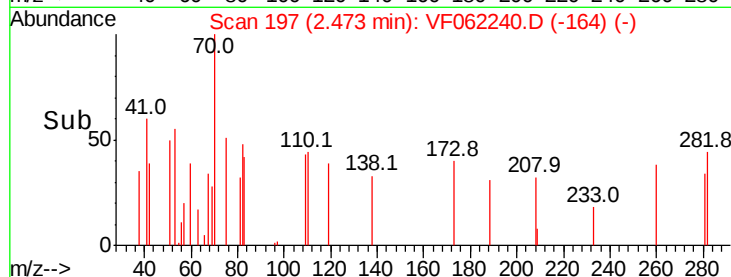
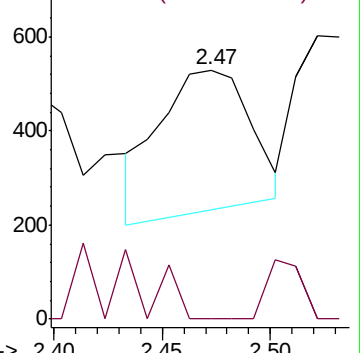
43 100

74 0.0 14.5 21.7#

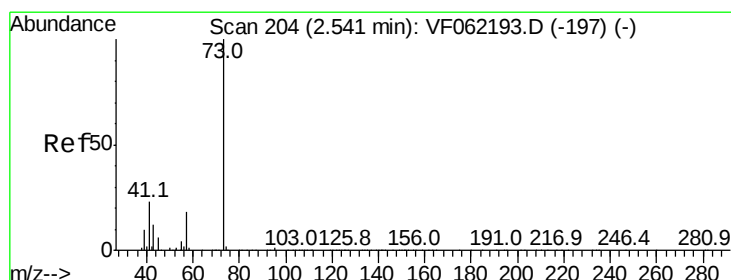


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



Time-->



#19

Methyl tert-butyl Ether

Concen: 22.082 ug/l

RT: 2.53 min Scan# 203

Delta R.T. -0.01 min

Lab File: VF062240.D

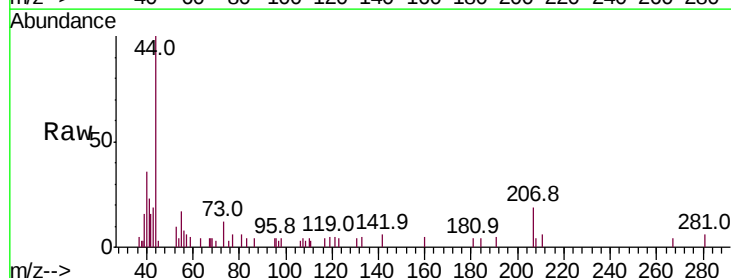
Acq: 22 Apr 2019 13:05

Tgt Ion: 73 Resp: 390

Ion Ratio Lower Upper

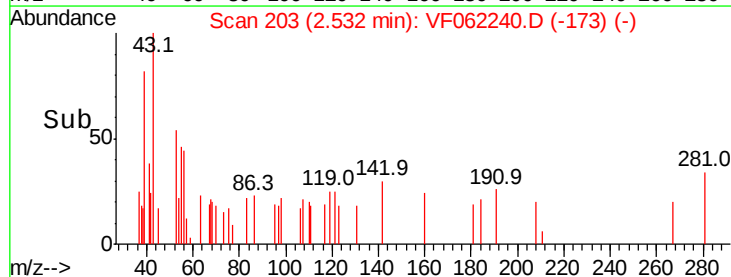
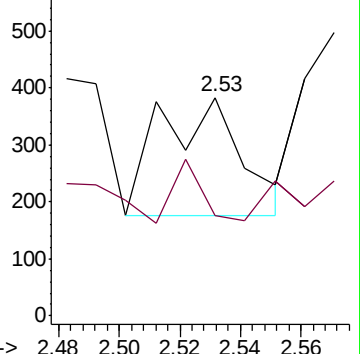
73 100

57 0.0 15.1 22.7#

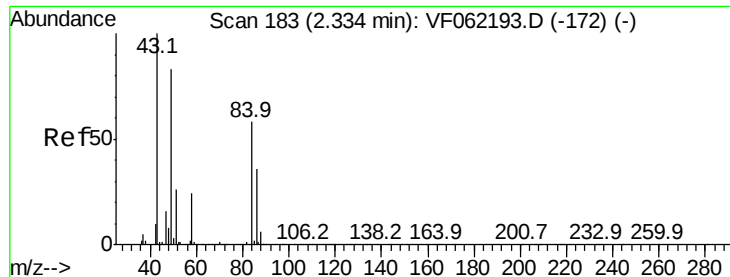


Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



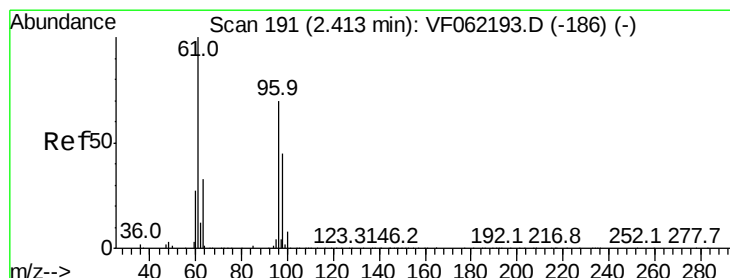
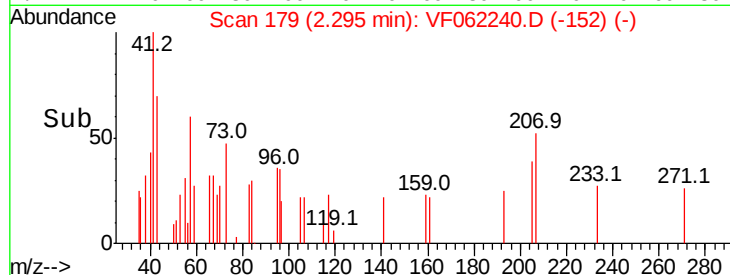
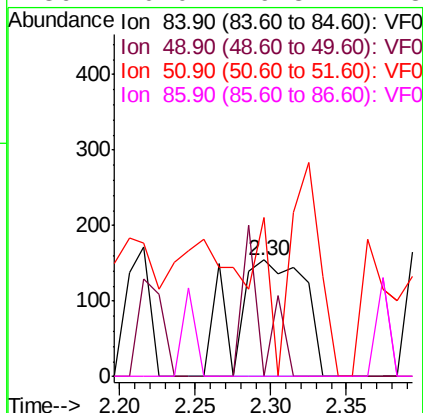
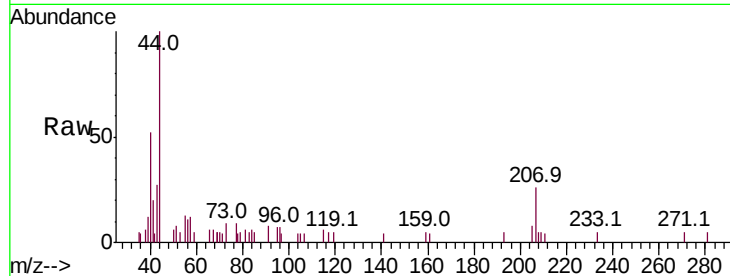
Time-->



#20
Methvlene Chloride
Concen: 52.209 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

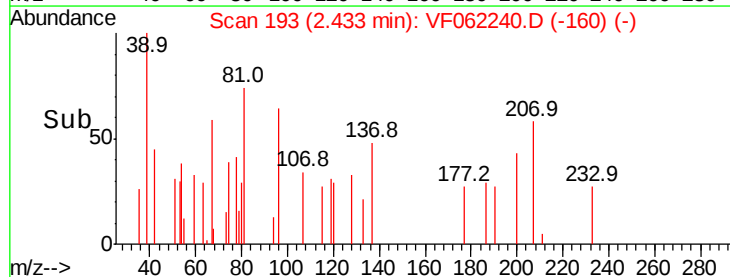
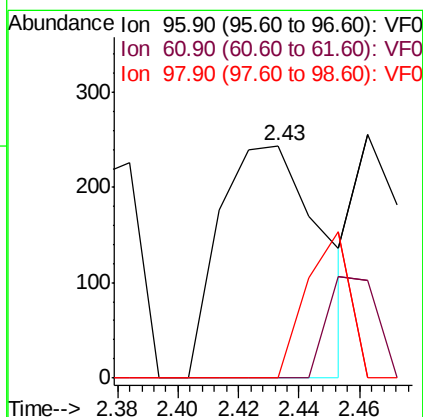
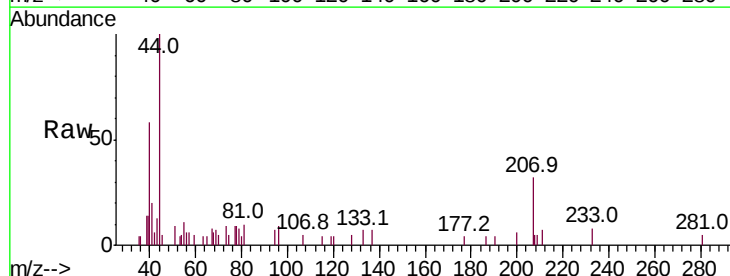
Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

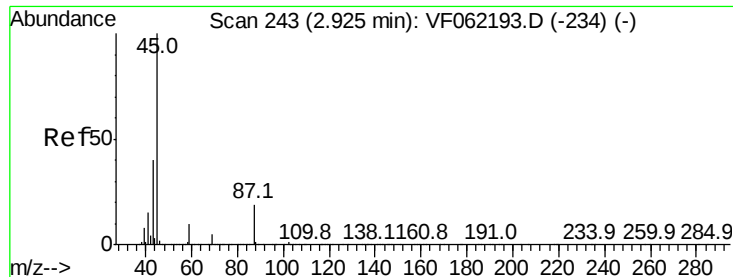
Tot Ion: 84 Resp: 502
Ion Ratio Lower Upper
84 100
49 0.0 114.0 171.0#
51 136.4 37.0 55.4#
86 0.0 49.8 74.8#



#21
trans-1,2-Dichloroethene
Concen: 57.721 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

Tgt Ion: 96 Resp: 571
Ion Ratio Lower Upper
96 100
61 0.0 114.6 172.0#
98 0.0 51.2 76.8#





#22

Diisopropyl ether

Concen: 11.850 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

Tot Ion: 45 Resp: 348

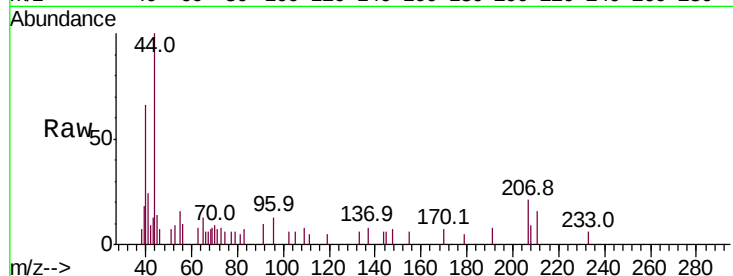
Ion Ratio Lower Upper

45 100

43 19.7 32.8 49.2#

87 0.0 15.2 22.8#

59 0.0 7.8 11.6#

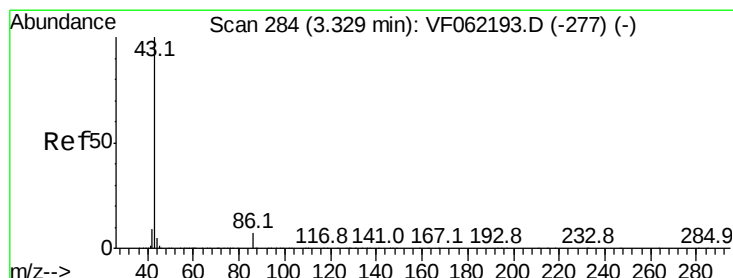
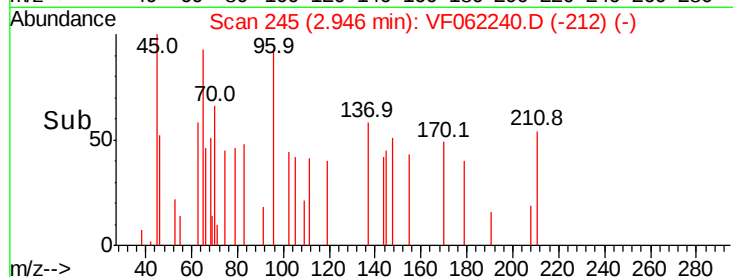
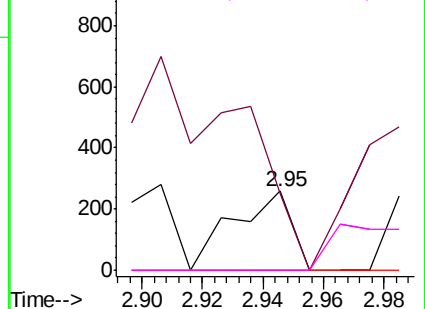


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 83.265 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.03 min

Lab File: VF062240.D

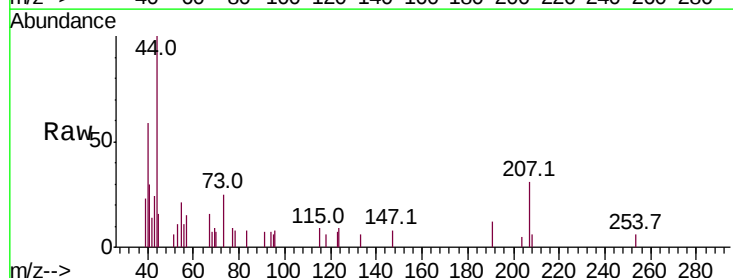
Acq: 22 Apr 2019 13:05

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

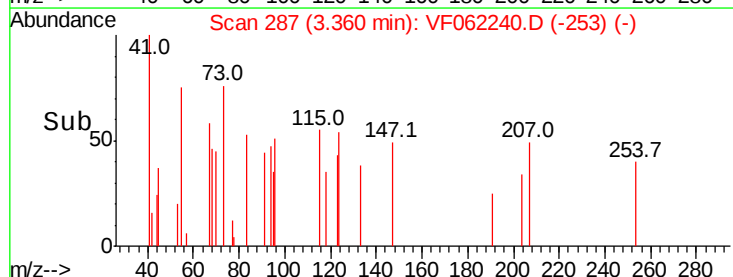
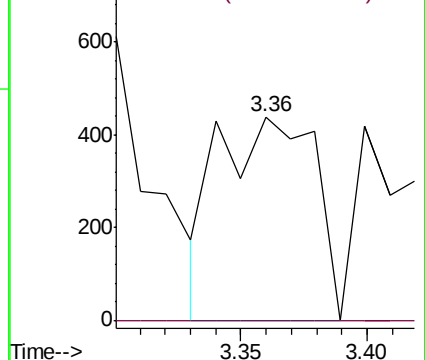
43 100

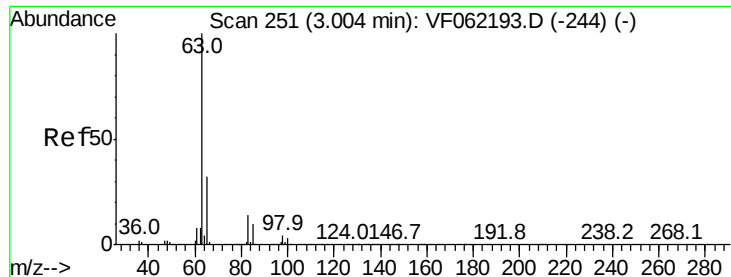
86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 7.097 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

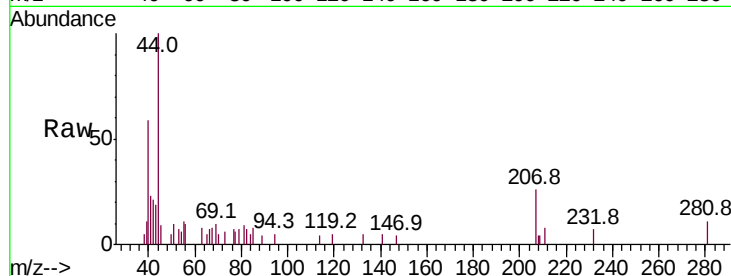
Tot Ion: 63 Resp: 114

Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

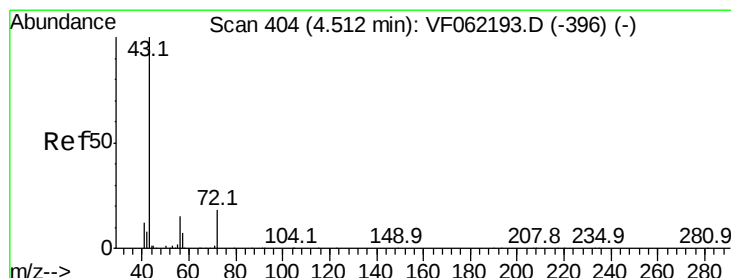
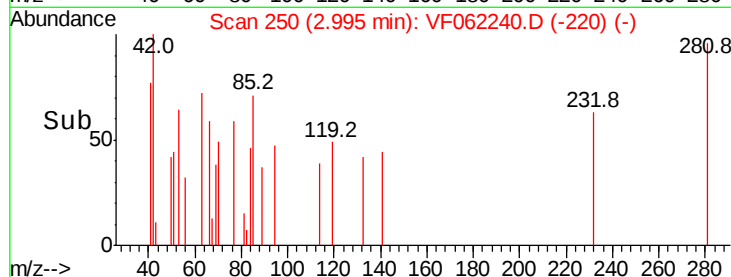
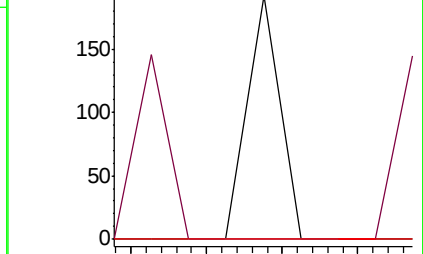
100 0.0 1.7 5.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0



#25

2-Butanone

Concen: 390.042 ug/l

RT: 4.60 min Scan# 413

Delta R.T. 0.09 min

Lab File: VF062240.D

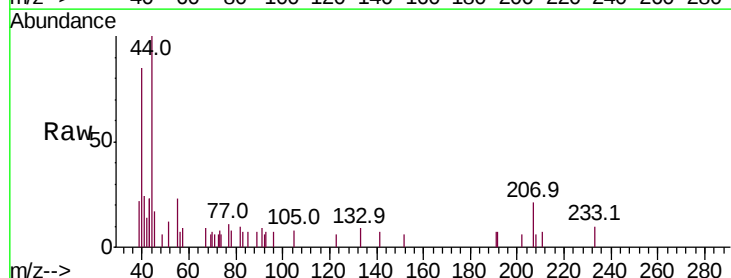
Acq: 22 Apr 2019 13:05

Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

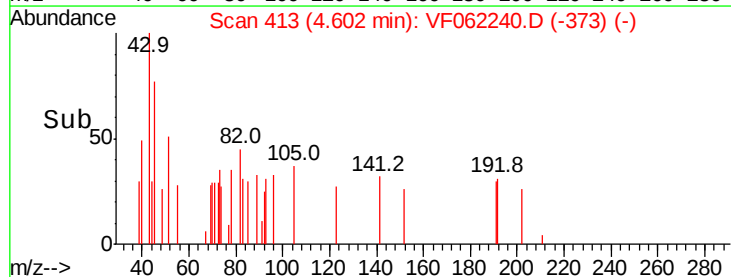
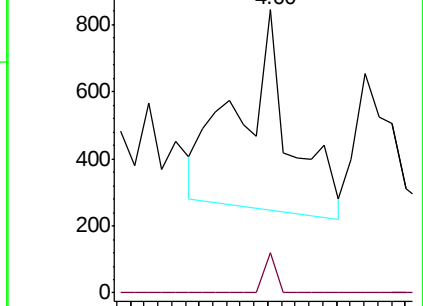
43 100

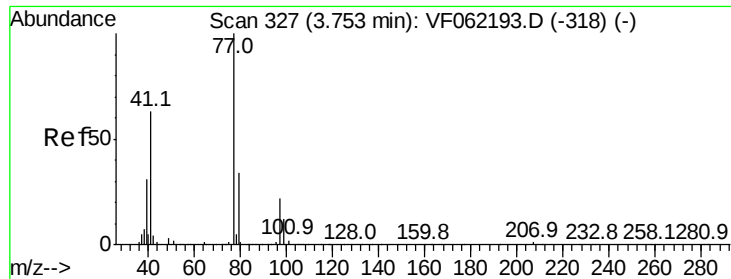
72 21.1 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 89.761 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.05 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

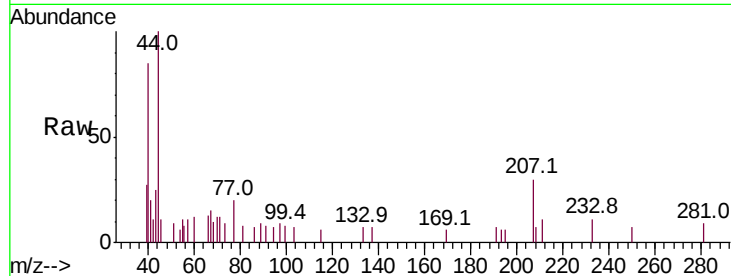
NCC-TOPSOIL-KYRE

Tot Ion: 77 Resp: 728

Ion Ratio Lower Upper

77 100

97 24.3 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

3.70

300

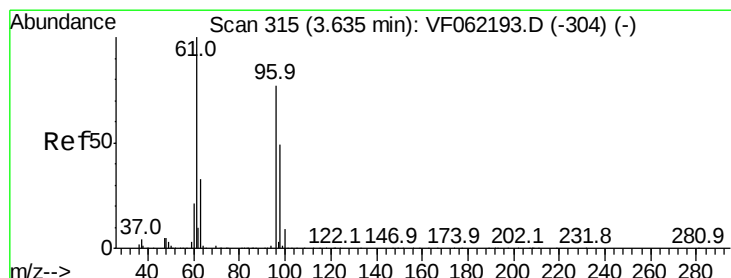
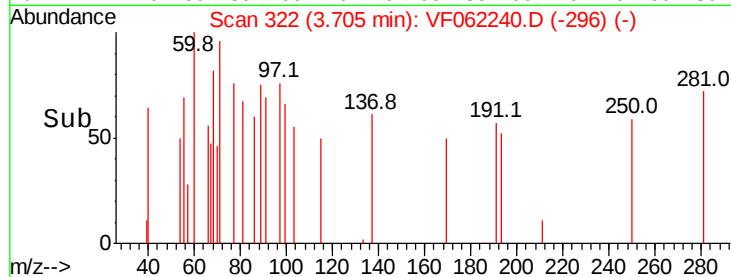
200

100

0

3.68 3.70 3.72 3.74

Time-->



#27

cis-1,2-Dichloroethene

Concen: 38.093 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

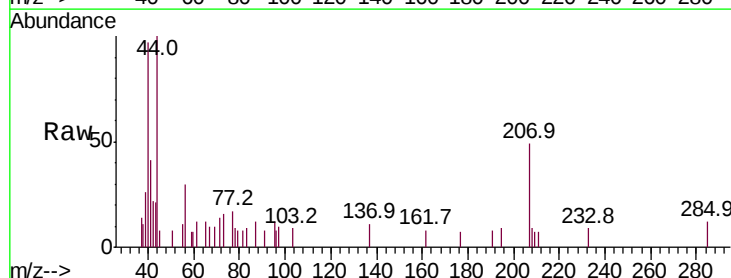
Tgt Ion: 96 Resp: 488

Ion Ratio Lower Upper

96 100

61 46.5 0.0 253.6

98 22.7 0.0 124.8



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

3.64

300

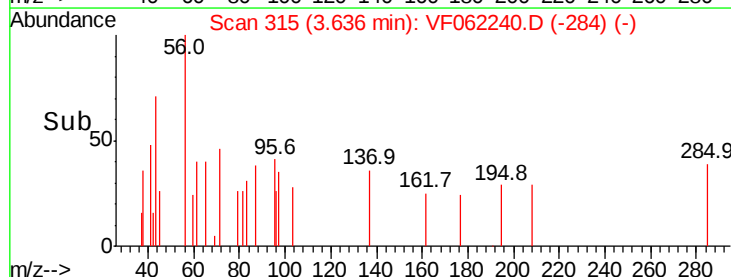
200

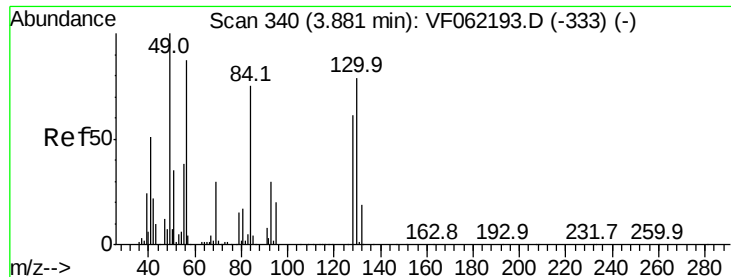
100

0

3.60 3.62 3.64 3.66

Time-->





#28

Bromochloromethane

Concen: 9.096 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

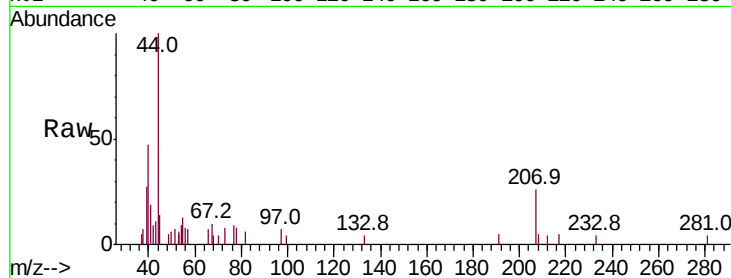
Tot Ion: 49 Resp: 70

Ion Ratio Lower Upper

49 100

129 88.6 0.0 0.0#

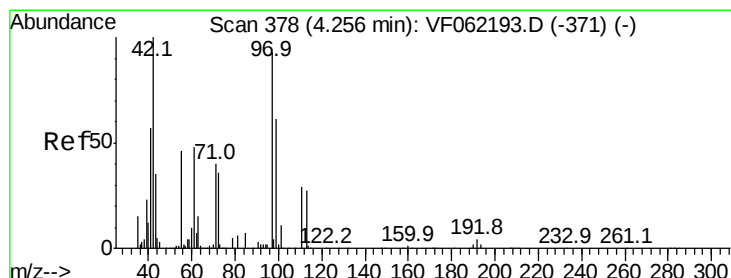
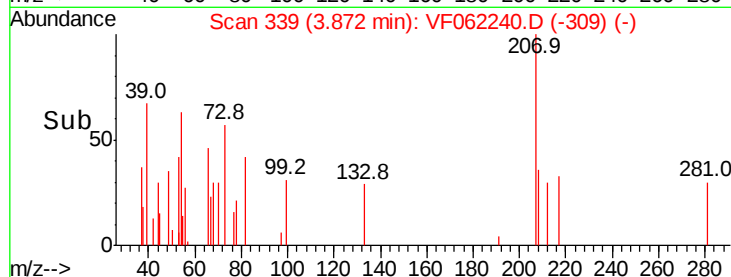
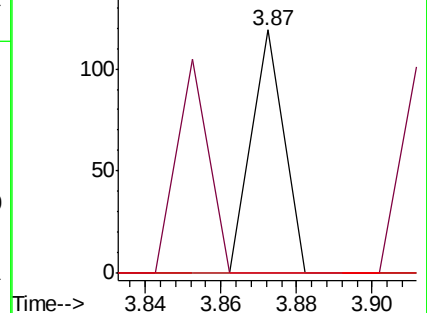
130 0.0 66.6 100.0#



Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 430.576 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

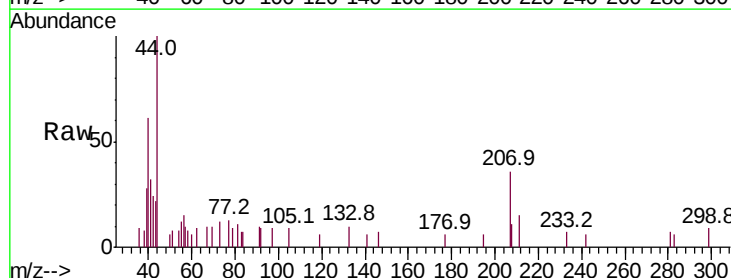
Tgt Ion: 42 Resp: 767

Ion Ratio Lower Upper

42 100

72 10.0 28.6 43.0#

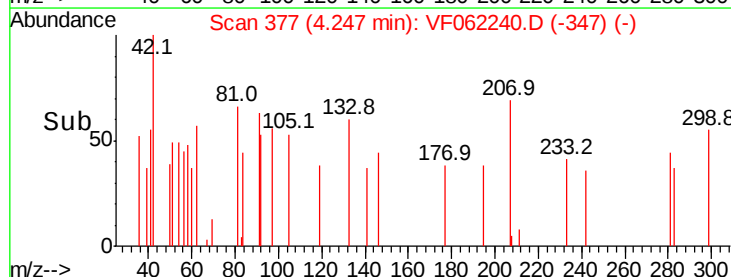
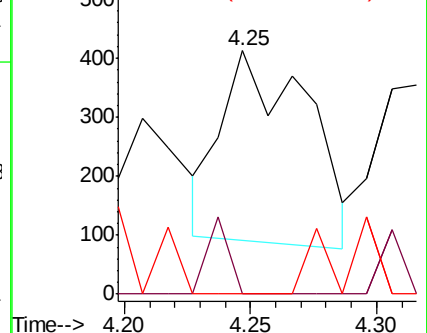
71 0.0 29.2 43.8#

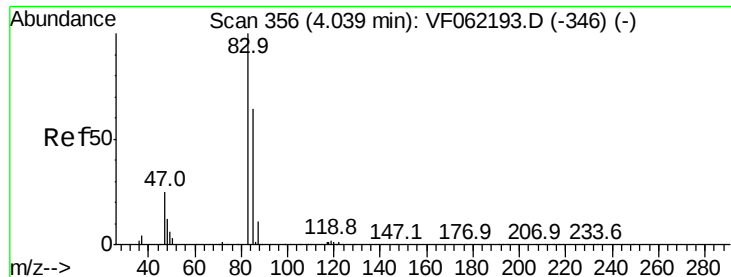


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

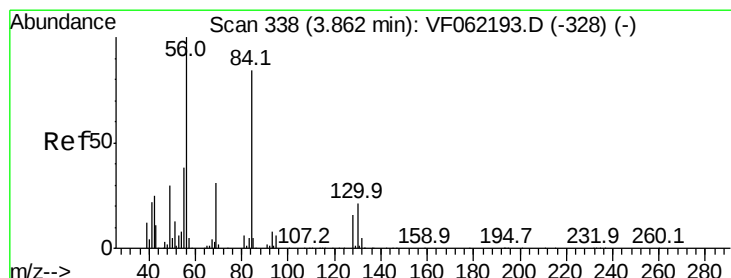
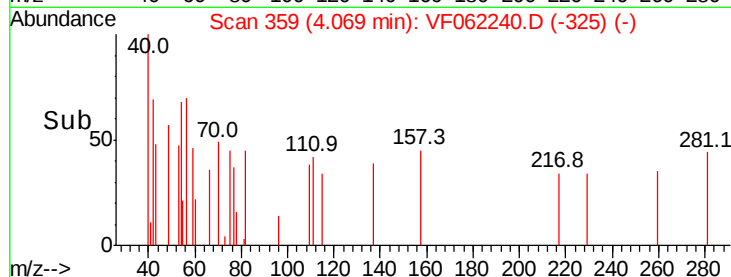
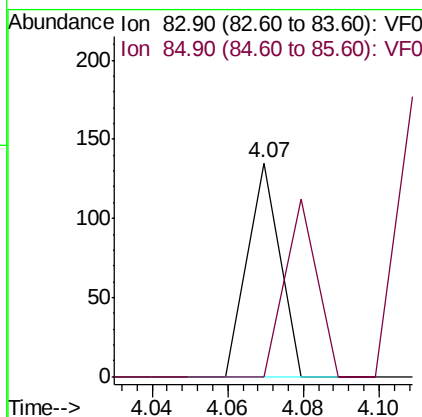
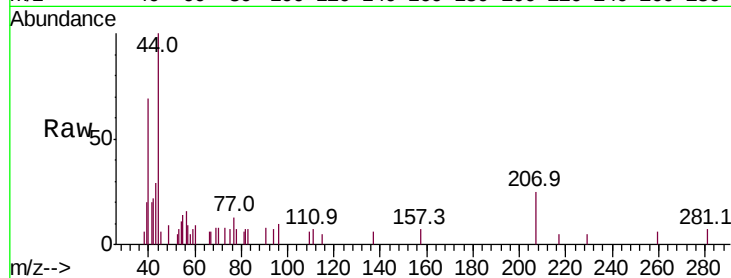




#30
Chloroform
Concen: 4.052 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.03 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

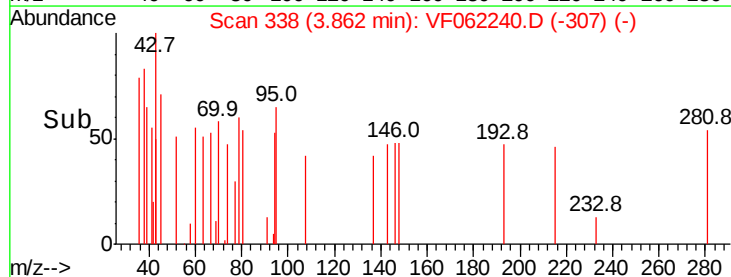
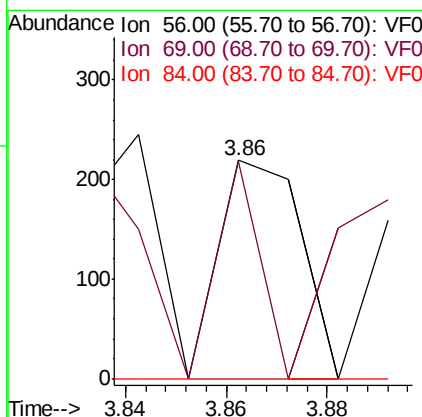
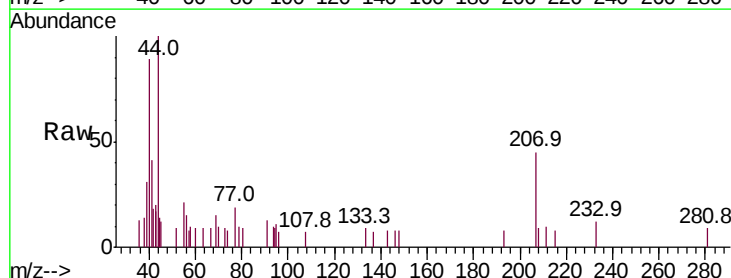
Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

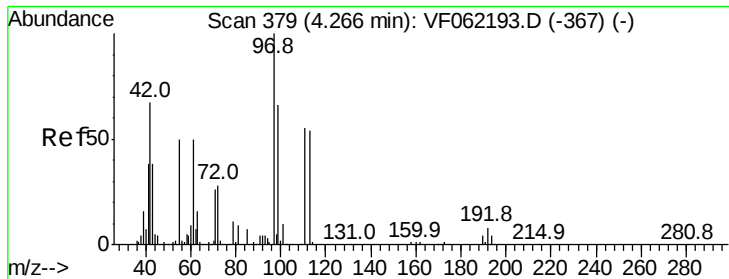
Tot Ion: 83 Resp: 80
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#



#31
Cyclohexane
Concen: 12.882 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
69 99.5 25.1 37.7#
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 17.715 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

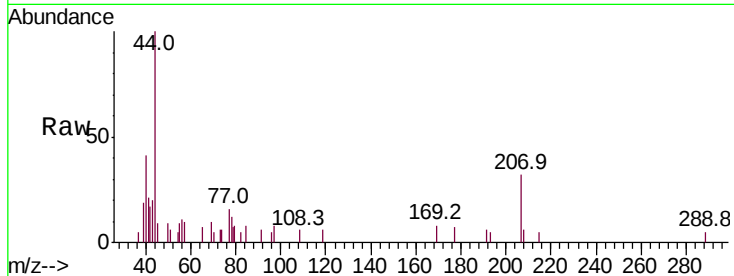
Tot Ion: 97 Resp: 256

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

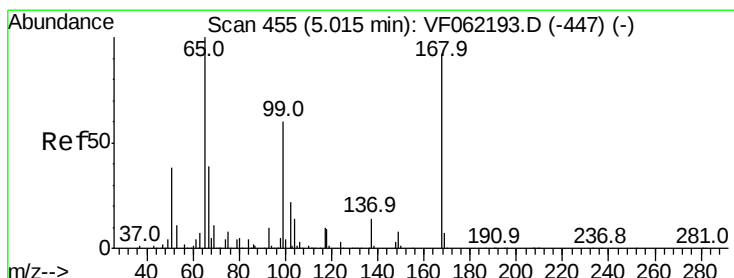
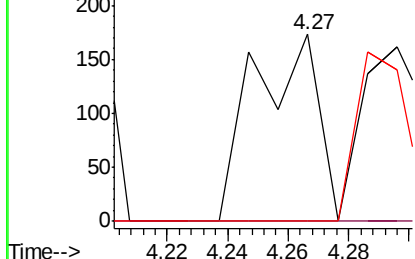
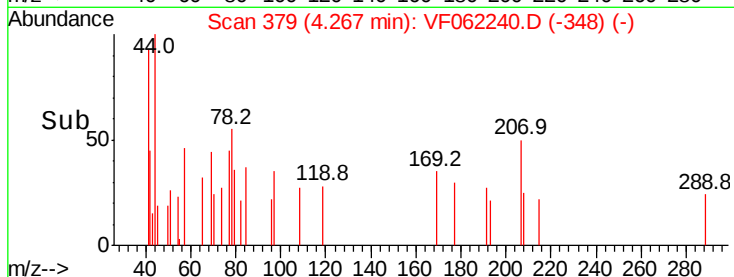
61 0.0 53.0 79.4#



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: 51.493 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.13 min

Lab File: VF062240.D

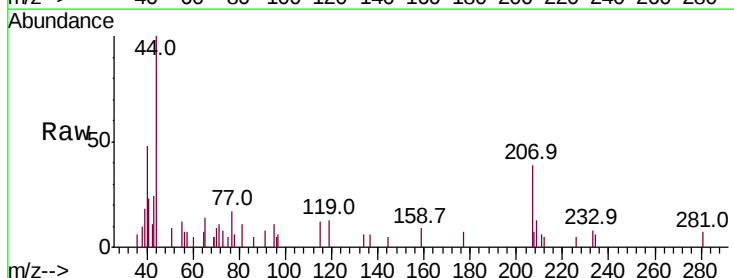
Acq: 22 Apr 2019 13:05

Tgt Ion: 65 Resp: 424

Ion Ratio Lower Upper

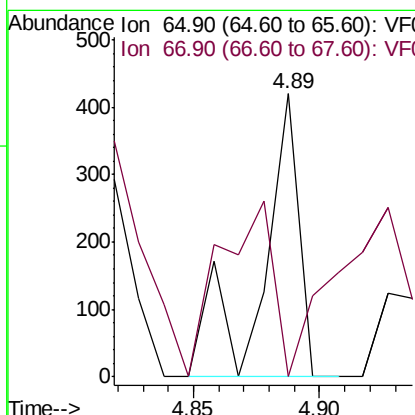
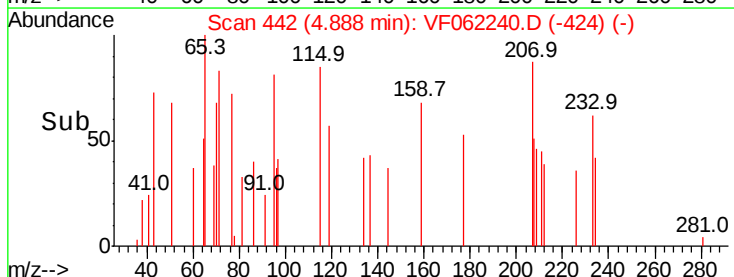
65 100

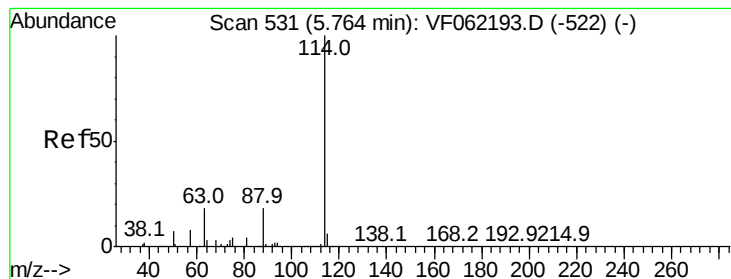
67 88.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

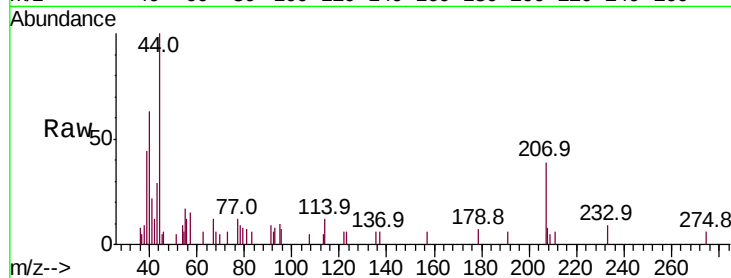
Tot Ion:114 Resp: 267

Ion Ratio Lower Upper

114 100

63 6.5 0.0 36.6

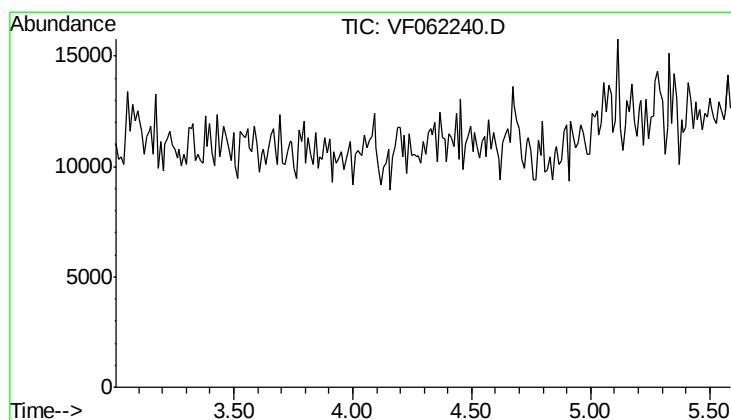
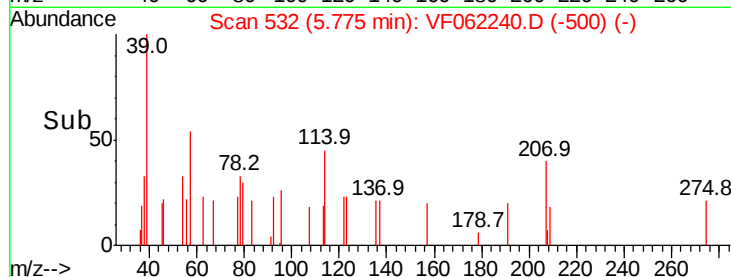
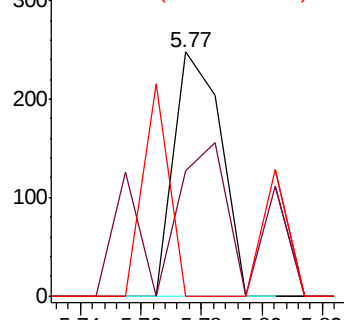
88 0.0 0.0 35.8



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: 4.30 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

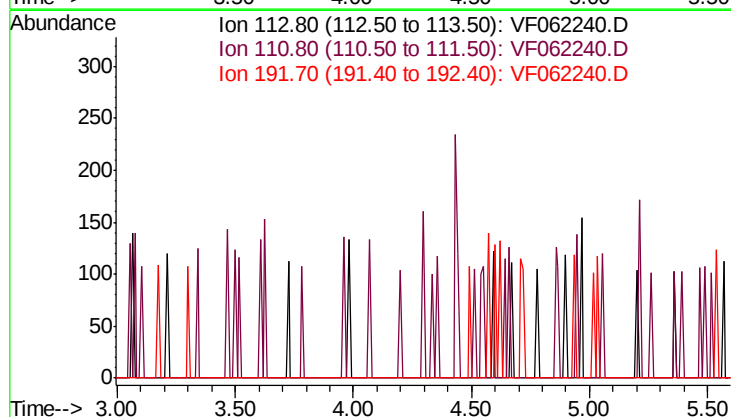
Tgt Ion: 113

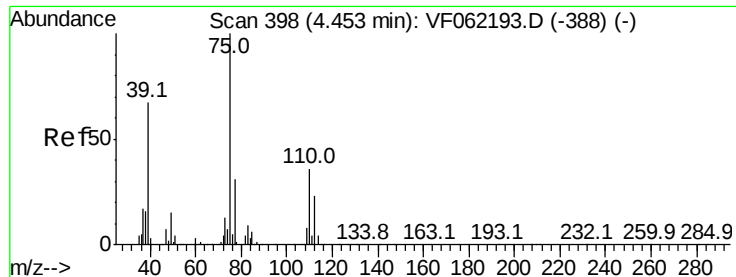
Sig Exp Ratio

113 100

111 101.4

192 18.4





#36

1,1-Dichloropropene

Concen: 52.168 ug/l

RT: 4.42 min Scan# 395

Delta R.T. -0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

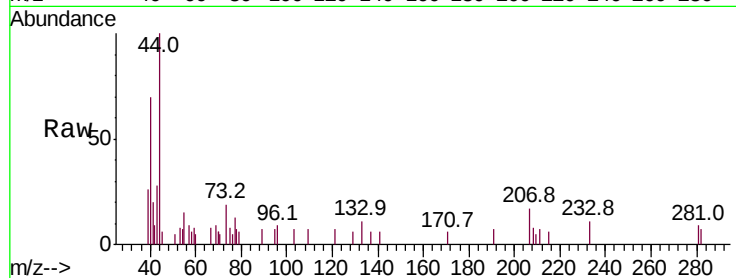
Tot Ion: 75 Resp: 167

Ion Ratio Lower Upper

75 100

110 83.8 18.4 55.2#

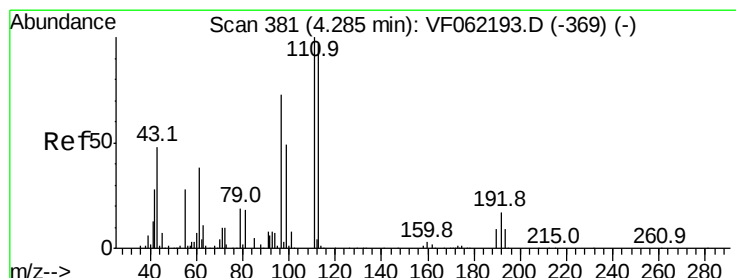
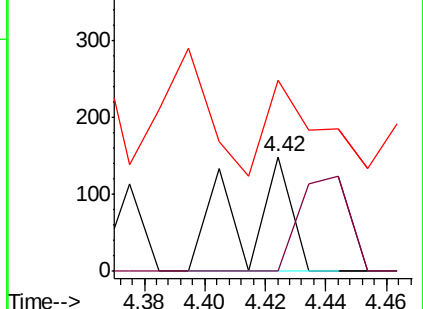
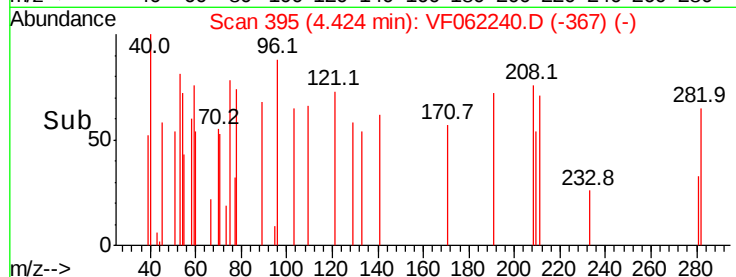
77 103.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0



#37

Ethyl Acetate

Concen: 282.011 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

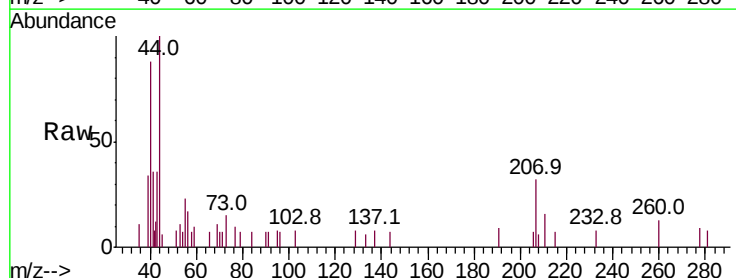
Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

61 41.3 0.0 0.0#

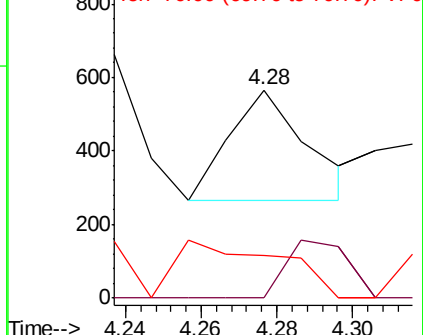
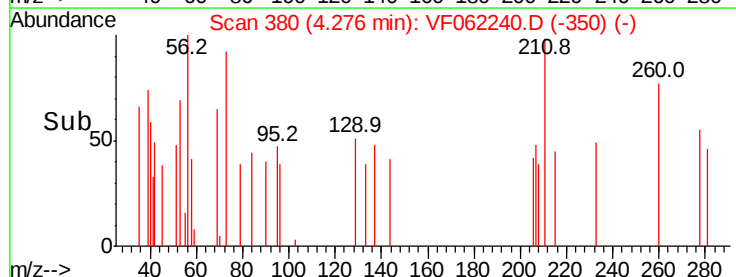
70 0.0 7.8 11.6#

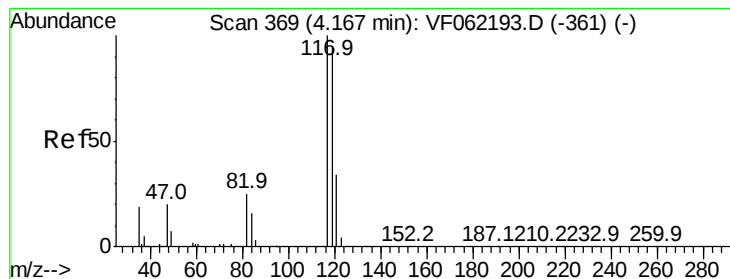


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 25.763 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

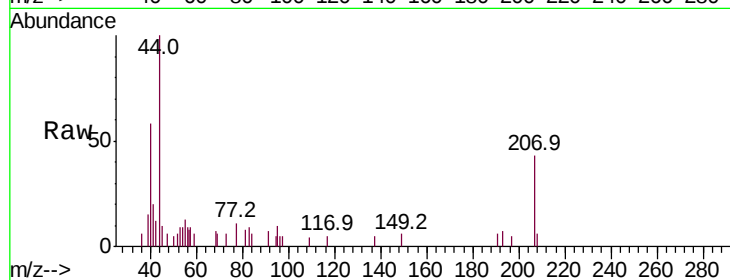
Tot Ion:117 Resp: 73

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

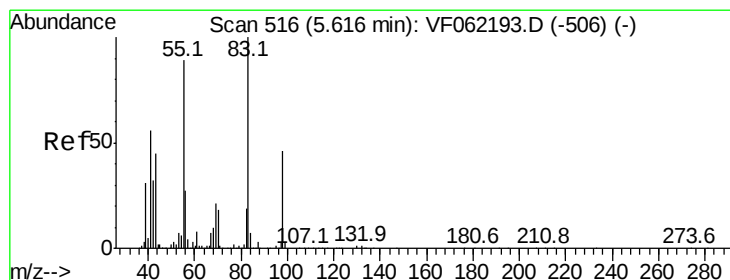
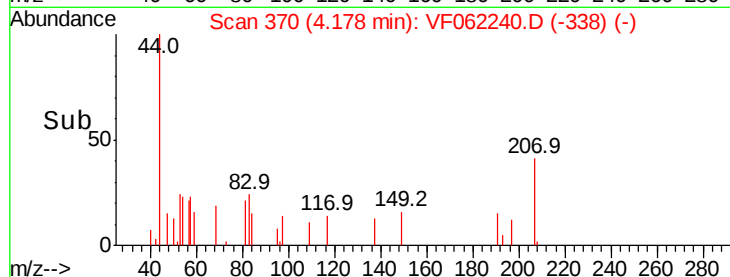
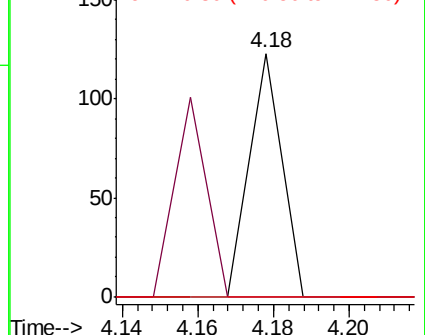
121 0.0 26.9 40.3#



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



#39

Methylcyclohexane

Concen: 133.844 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

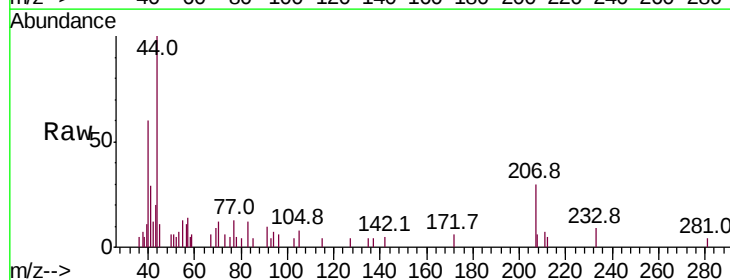
Tgt Ion: 83 Resp: 513

Ion Ratio Lower Upper

83 100

55 31.1 71.0 106.6#

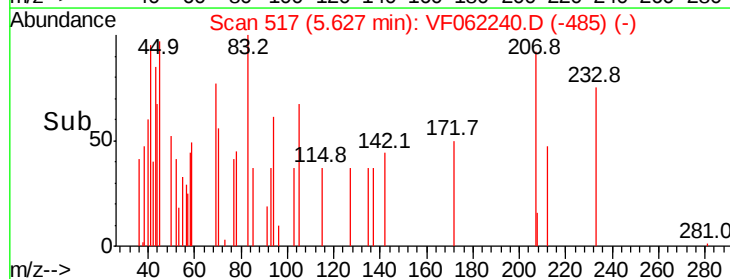
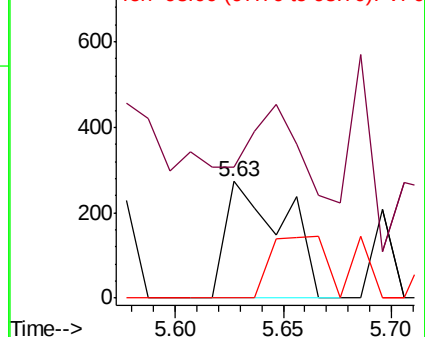
98 0.0 36.7 55.1#

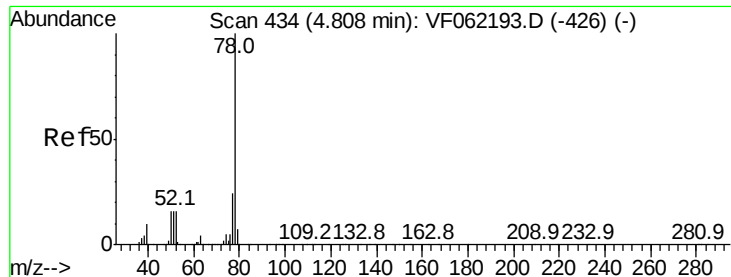


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 72.887 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

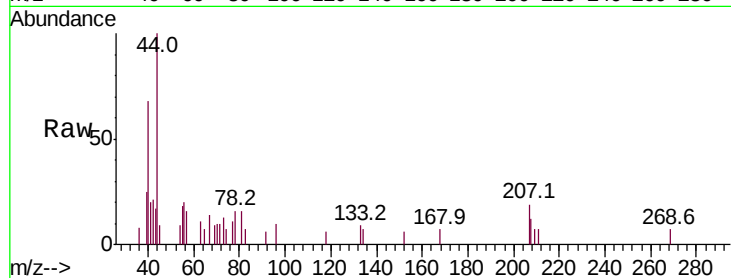
NCC-TOPSOIL-KYRE

Tot Ion: 78 Resp: 612

Ion Ratio Lower Upper

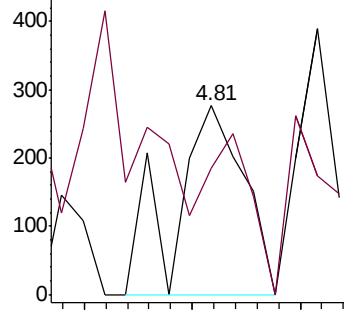
78 100

77 67.0 18.9 28.3#

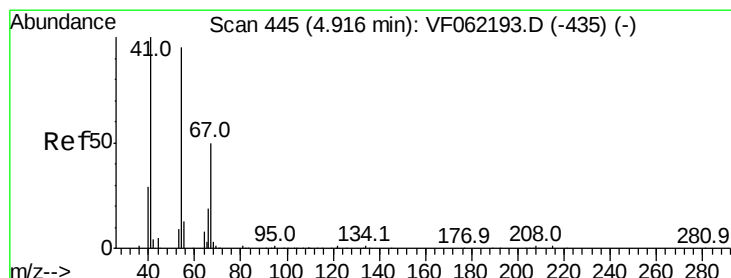
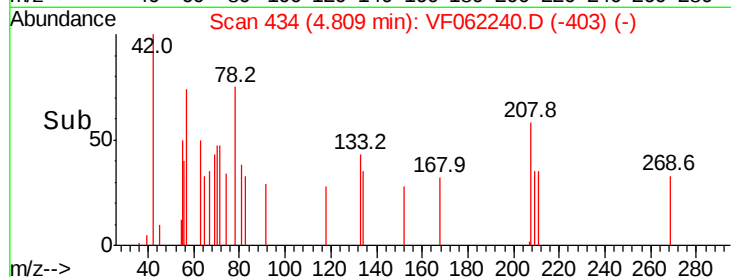


Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 308.720 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Tgt Ion: 41 Resp: 269

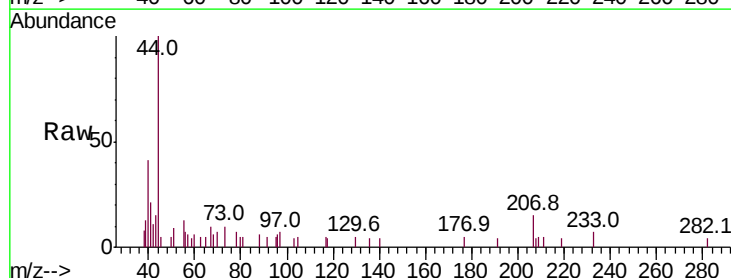
Ion Ratio Lower Upper

41 100

39 87.4 44.7 67.1#

67 210.4 39.1 58.7#

52 0.0 49.8 74.8#

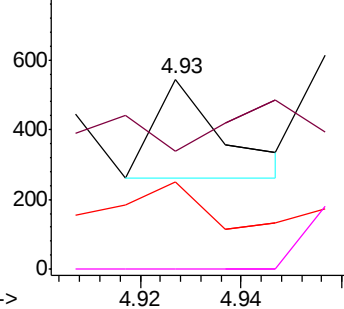


Abundance Ion 41.00 (40.70 to 41.70): VF0

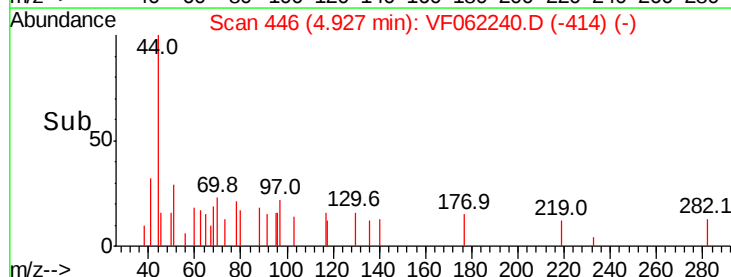
Ion 39.00 (38.70 to 39.70): VF0

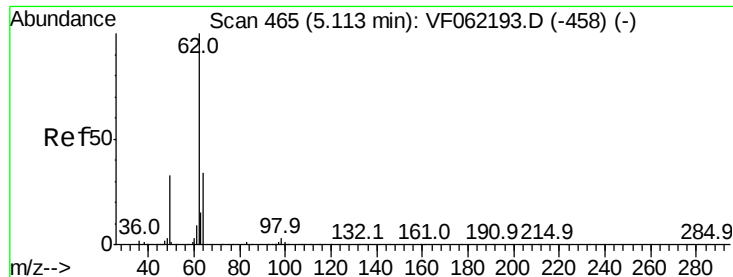
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





#42

1,2-Dichloroethane

Concen: 28.382 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

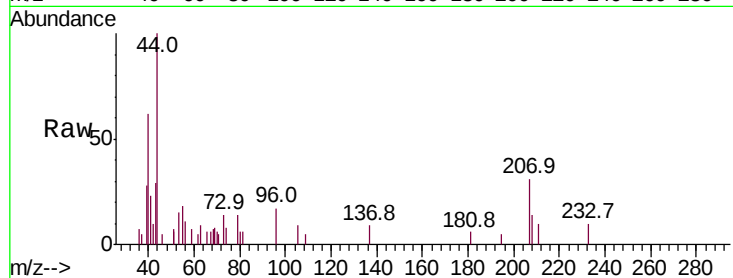
NCC-TOPSOIL-KYRE

Tot Ion: 62 Resp: 63

Ion Ratio Lower Upper

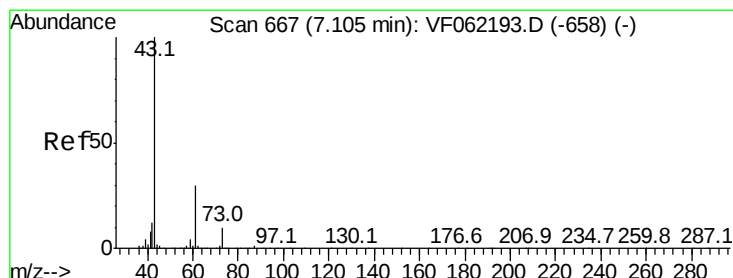
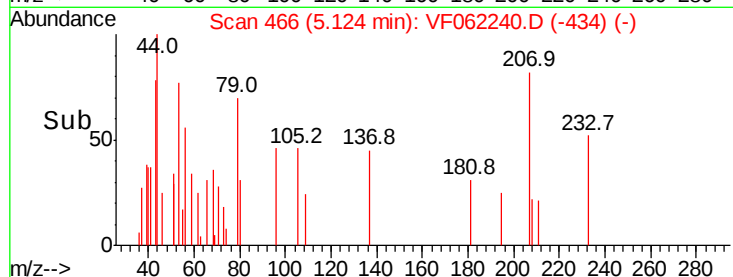
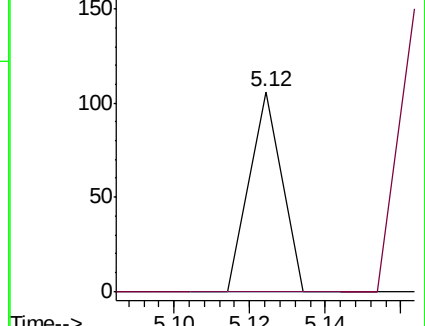
62 100

98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#43

Isopropyl Acetate

Concen: 84.343 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

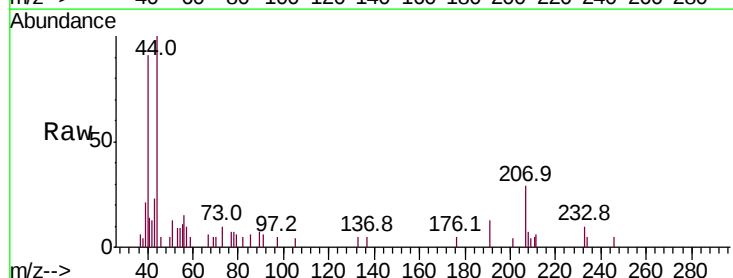
Tgt Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

61 0.0 24.4 36.6#

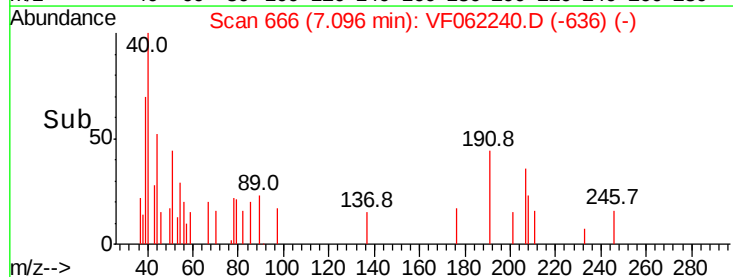
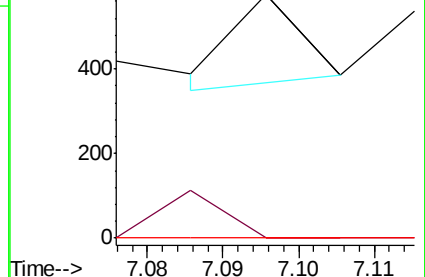
87 0.0 0.4 0.6#

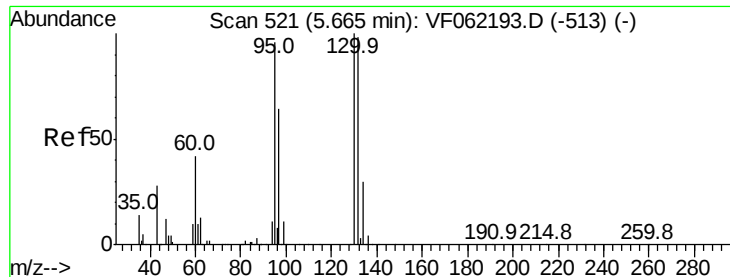


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 26.885 ug/l

RT: 5.57 min Scan# 511

Delta R.T. -0.10 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

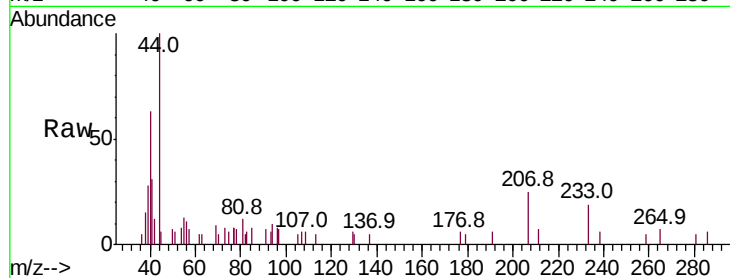
NCC-TOPSOIL-KYRE

Tot Ion:130 Resp: 61

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VF0

Ion 94.90 (94.60 to 95.60): VF0

300

250

200

150

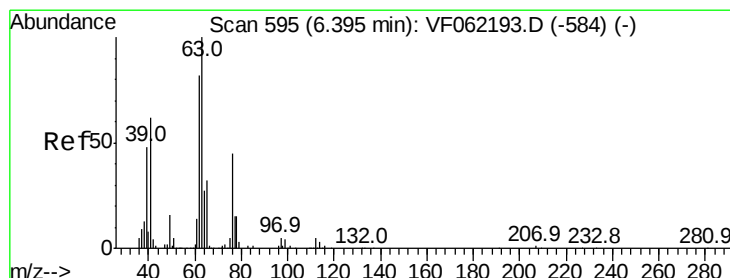
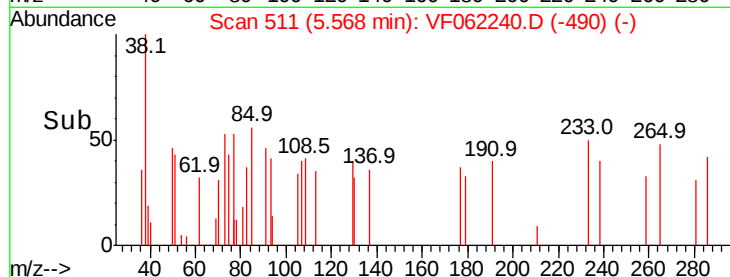
100

50

0

5.54 5.56 5.58 5.60

Time-->



#45

1,2-Dichloropropane

Concen: 108.676 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062240.D

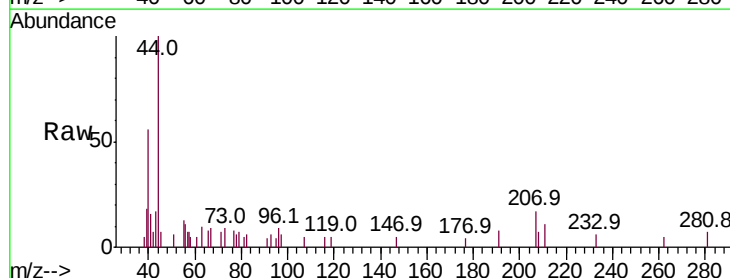
Acq: 22 Apr 2019 13:05

Tgt Ion: 63 Resp: 201

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

250

200

150

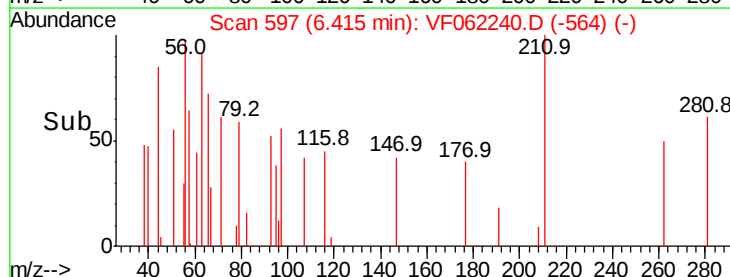
100

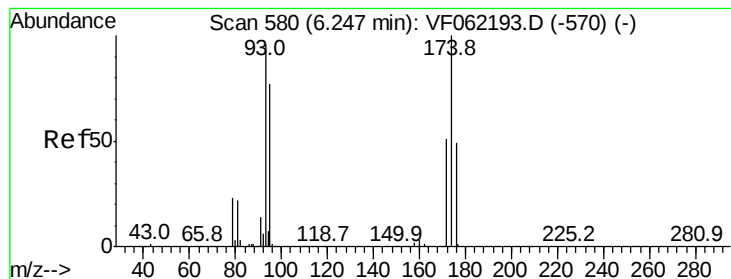
50

0

6.38 6.40 6.42 6.44

Time-->





#46

Dibromomethane

Concen: 61.761 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.06 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

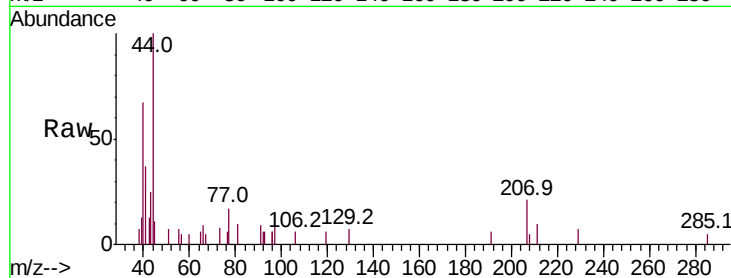
Tot Ion: 93 Resp: 76

Ion Ratio Lower Upper

93 100

95 0.0 65.1 97.7#

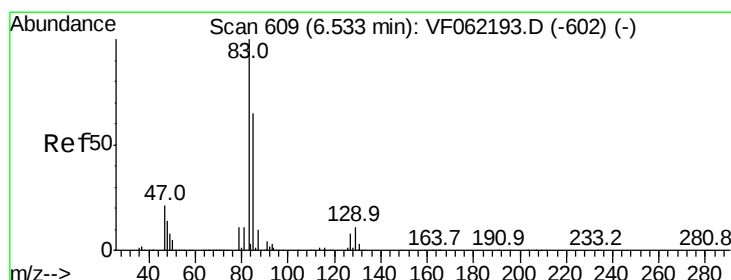
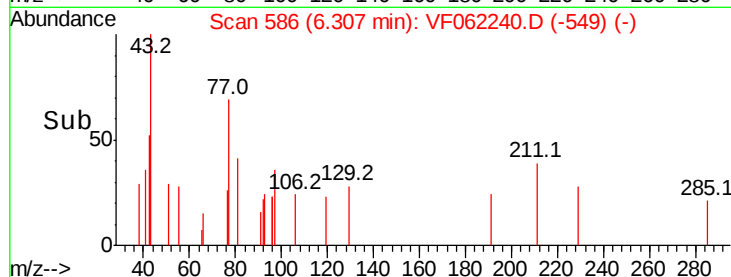
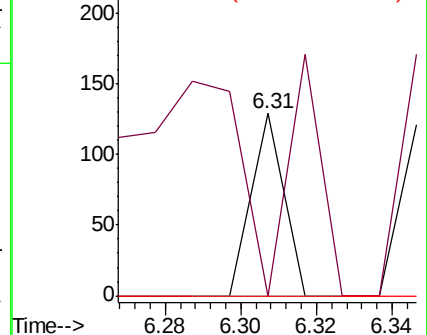
174 0.0 81.8 122.6#



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 28.449 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

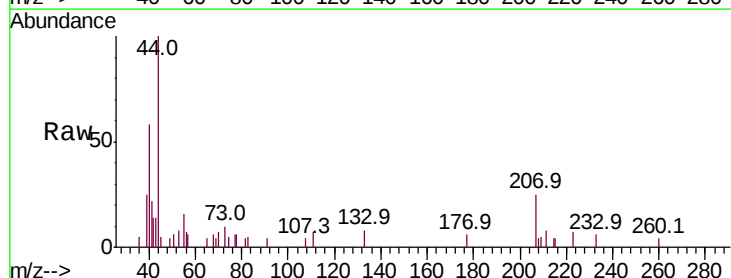
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#

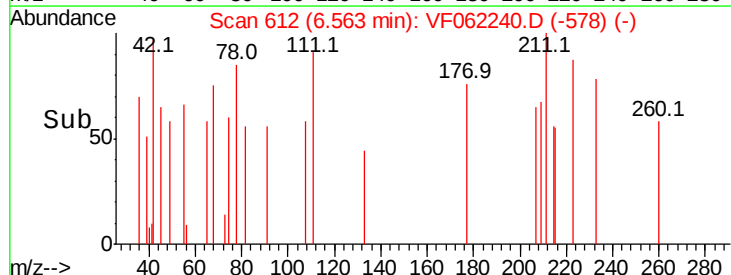
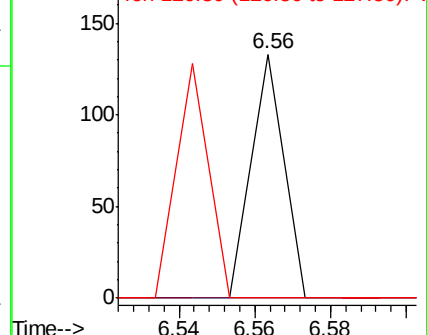
127 0.0 6.7 10.1#

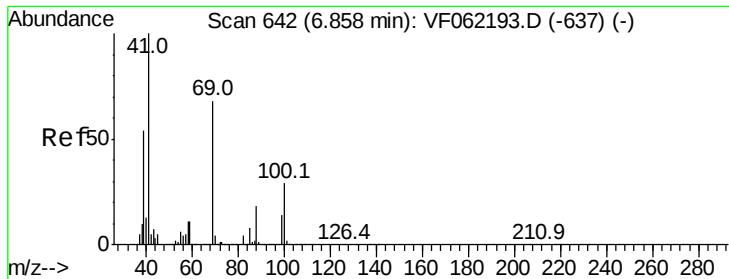


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 262.425 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.04 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

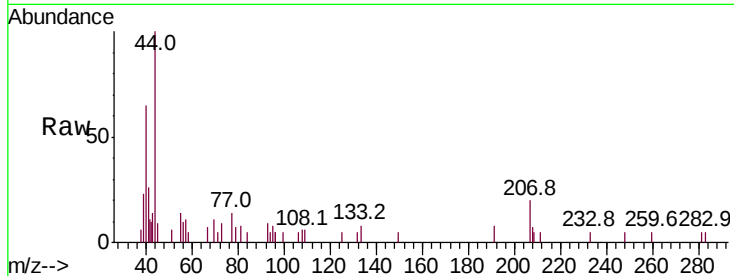
Tot Ion: 41 Resp: 274

Ion Ratio Lower Upper

41 100

69 0.0 54.9 82.3#

39 523.0 43.6 65.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

800

600

400

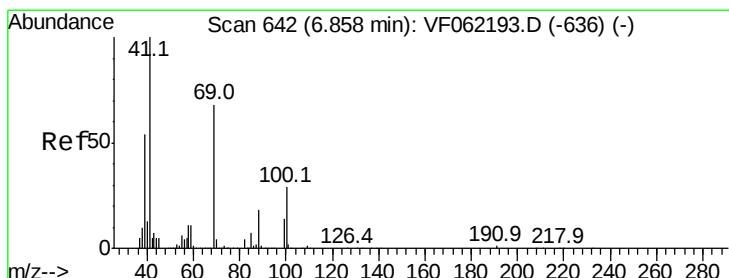
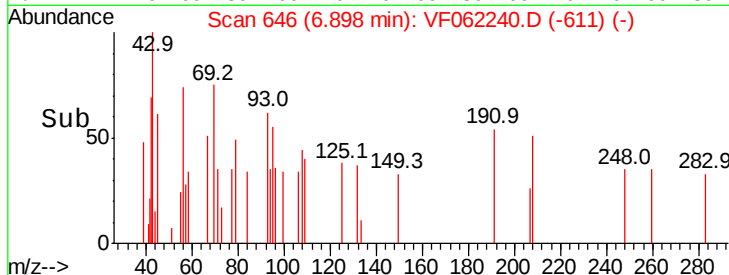
200

0

6.88

6.90

Time-->



#49

1,4-Dioxane

Concen: 11190.656 ug/l

RT: 6.96 min Scan# 652

Delta R.T. 0.10 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

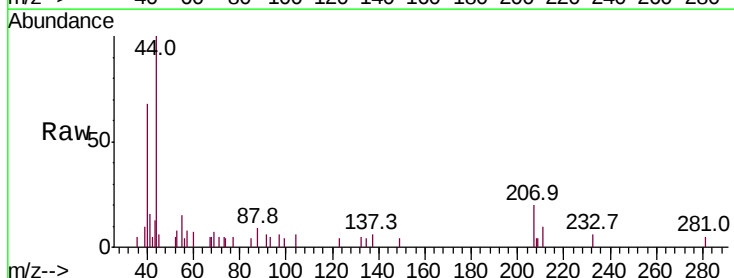
Tgt Ion: 88 Resp: 134

Ion Ratio Lower Upper

88 100

43 0.0 36.9 55.3#

58 49.3 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

800

600

400

200

0

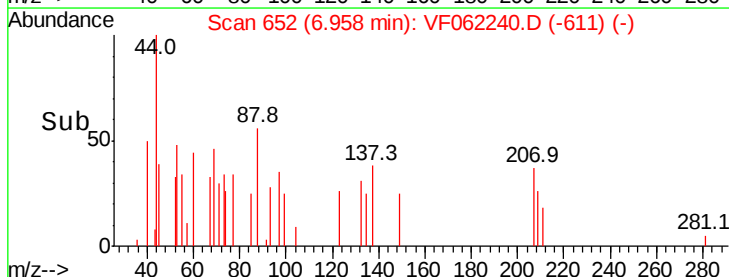
6.92

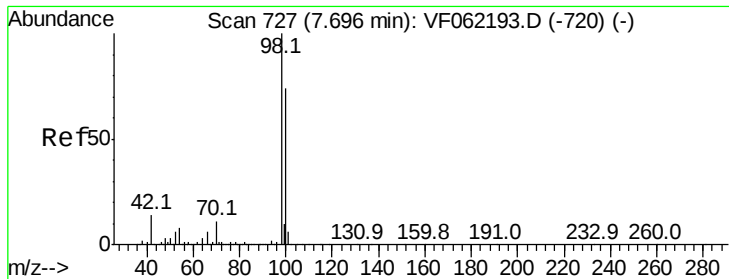
6.94

6.96

6.98

Time-->





#50

Toluene-d8

Concen: 61.569 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

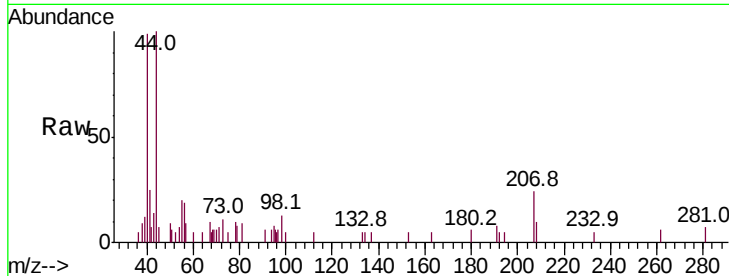
NCC-TOPSOIL-KYRE

Tot Ion: 98 Resp: 364

Ion Ratio Lower Upper

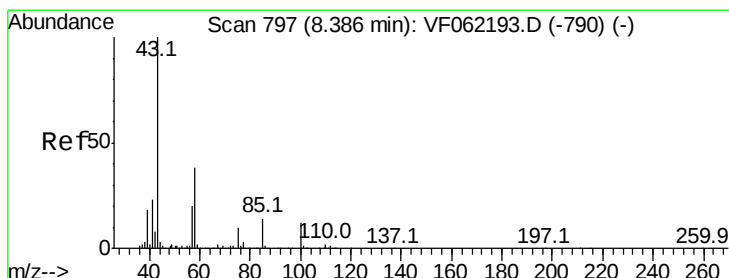
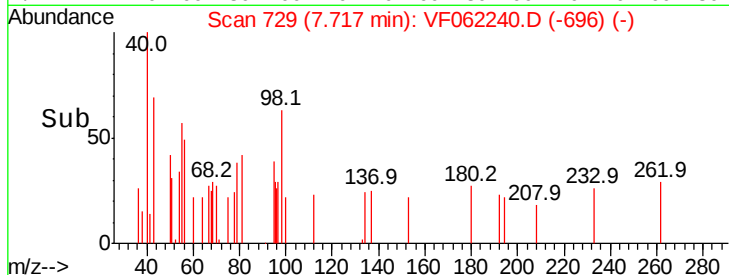
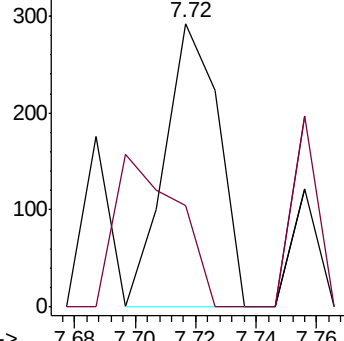
98 100

100 62.4 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 773.469 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.05 min

Lab File: VF062240.D

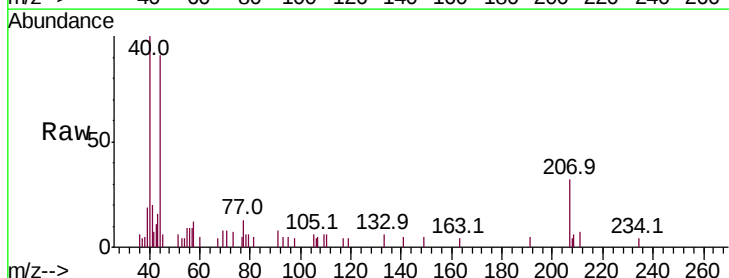
Acq: 22 Apr 2019 13:05

Tgt Ion: 43 Resp: 914

Ion Ratio Lower Upper

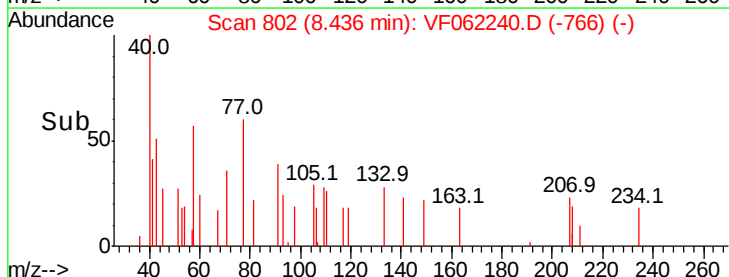
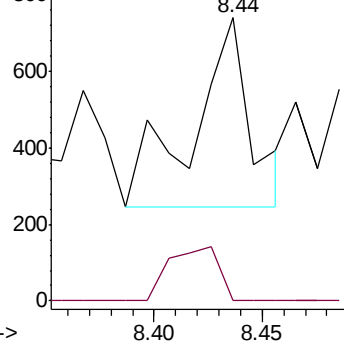
43 100

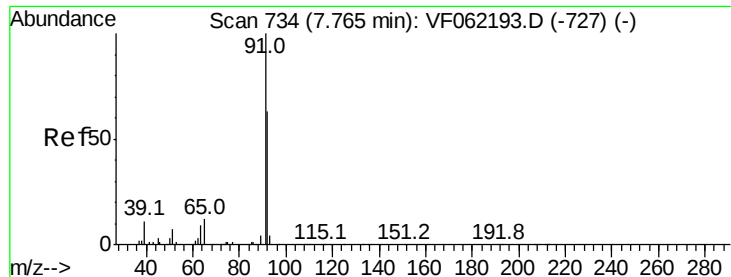
58 24.5 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 50.836 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

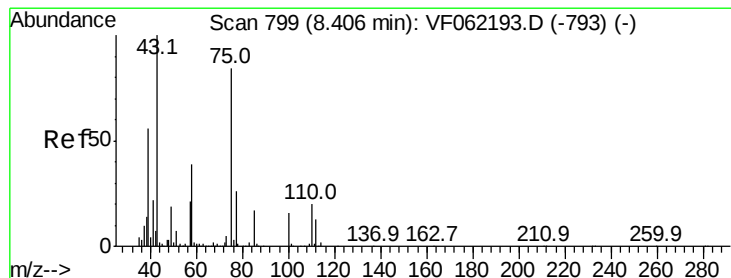
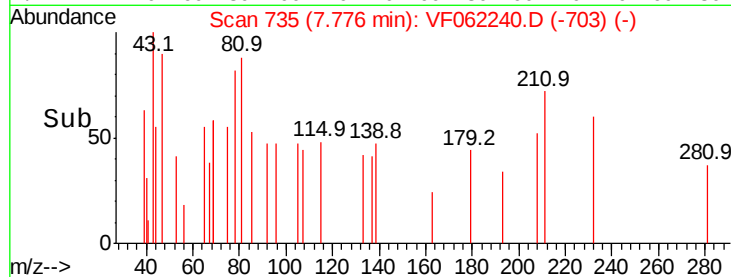
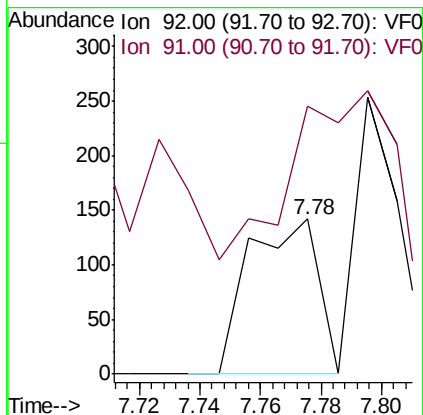
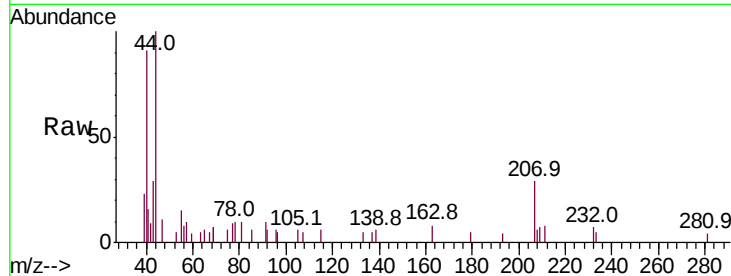
NCC-TOPSOIL-KYRE

Tot Ion: 92 Resp: 225

Ion Ratio Lower Upper

92 100

91 0.0 130.1 195.1#



#53

t-1,3-Dichloropropene

Concen: 72.878 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062240.D

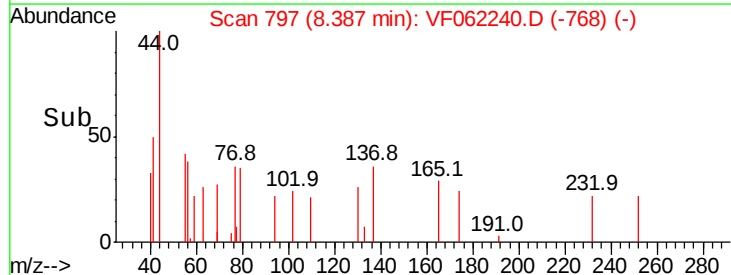
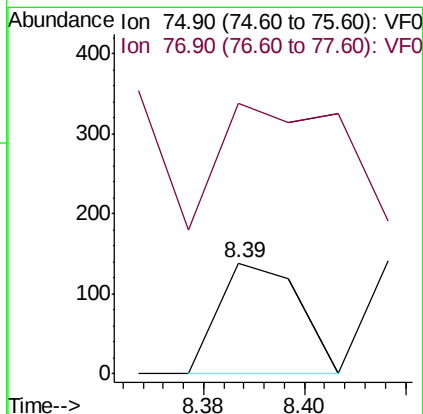
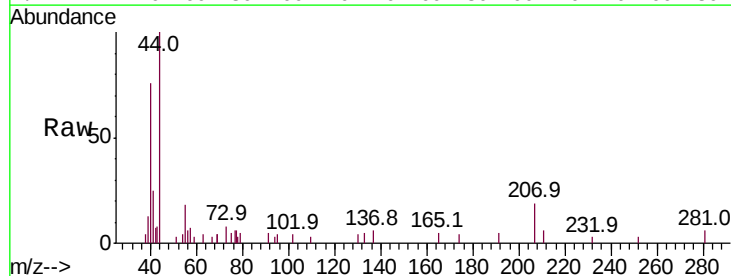
Acq: 22 Apr 2019 13:05

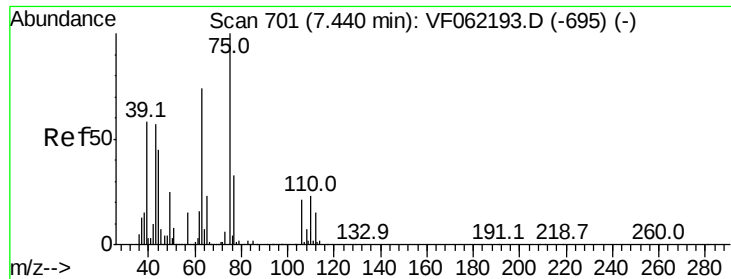
Tgt Ion: 75 Resp: 152

Ion Ratio Lower Upper

75 100

77 114.5 24.6 36.8#





#54

cis-1,3-Dichloropropene

Concen: 22.331 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.04 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

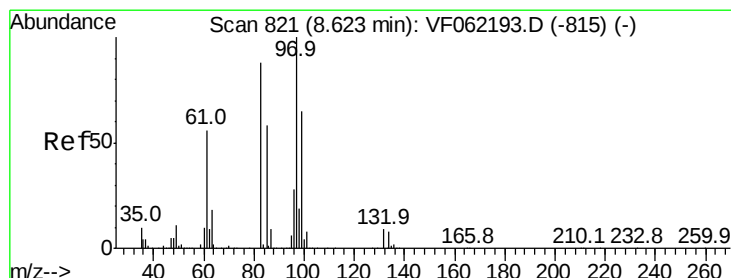
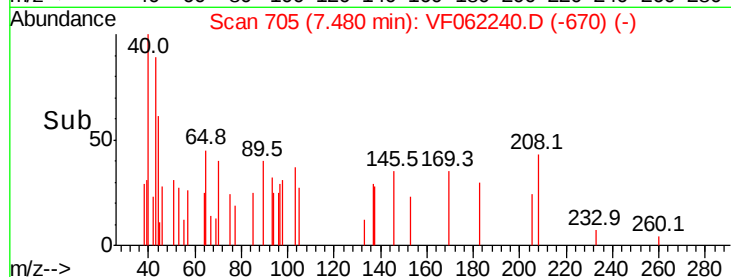
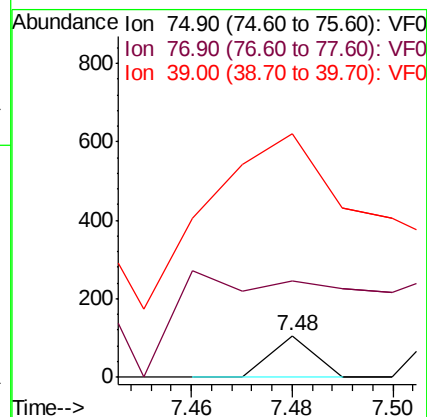
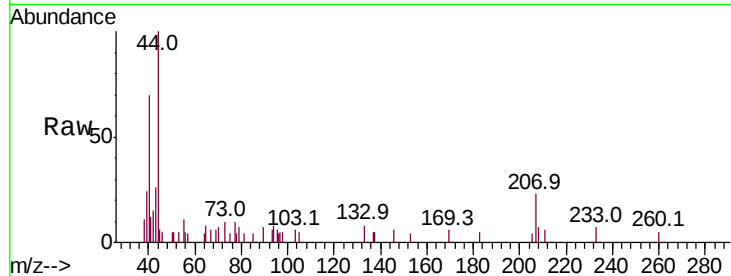
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 19.8 26.4 39.6#

39 201.9 46.7 70.1#



#55

1,1,2-Trichloroethane

Concen: 115.331 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Tgt Ion: 97 Resp: 143

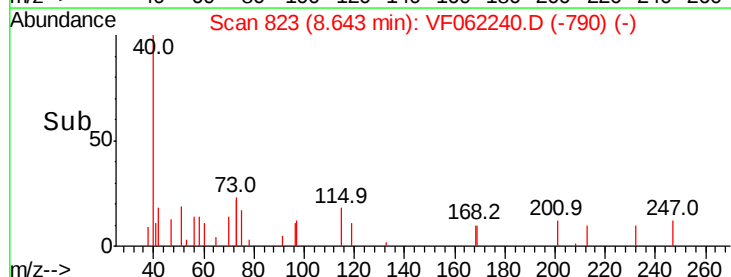
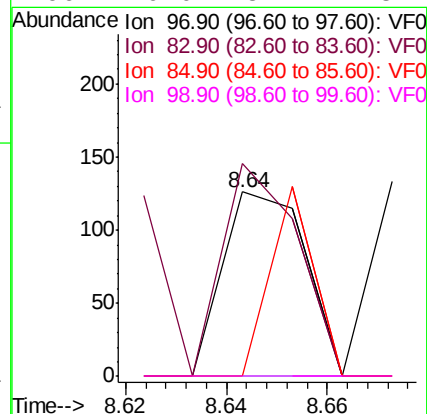
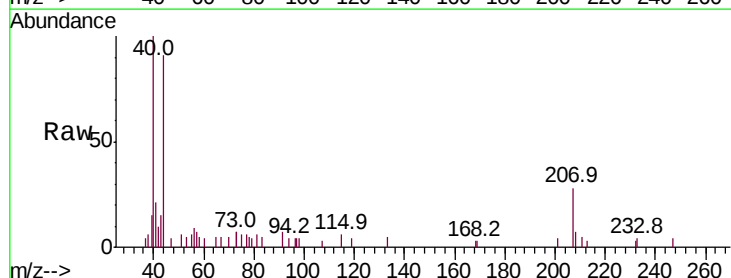
Ion Ratio Lower Upper

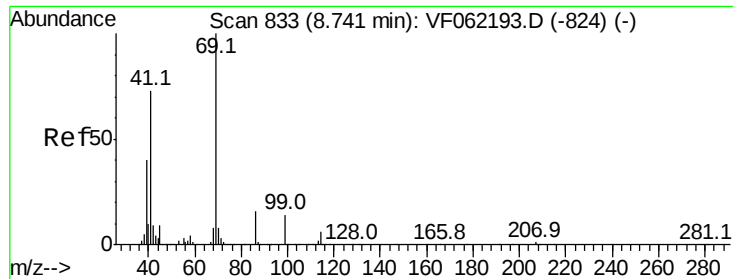
97 100

83 115.9 70.2 105.2#

85 0.0 46.2 69.4#

99 0.0 52.2 78.4#





#56

Ethyl methacrylate

Concen: 301.479 ug/l

RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

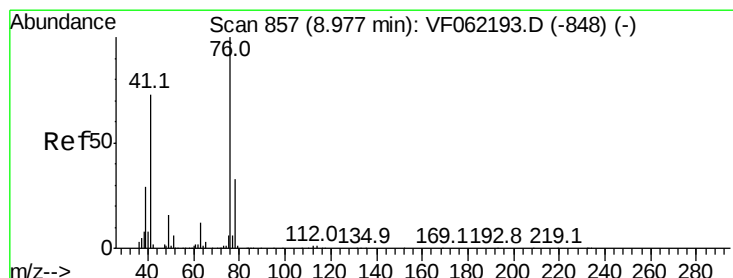
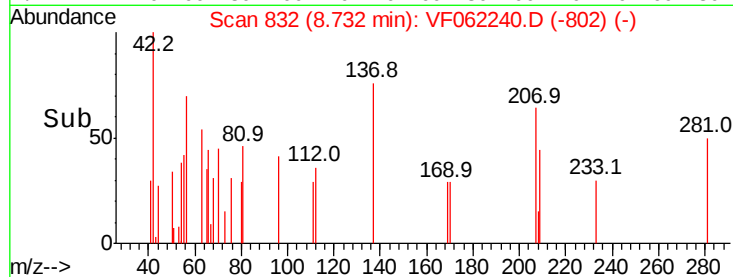
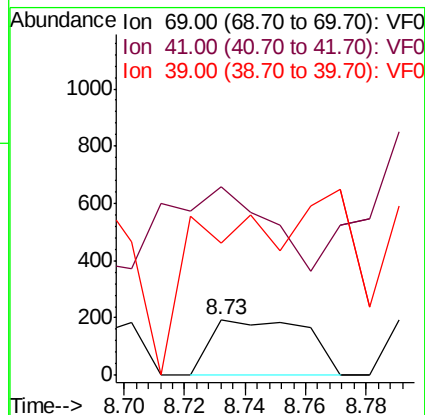
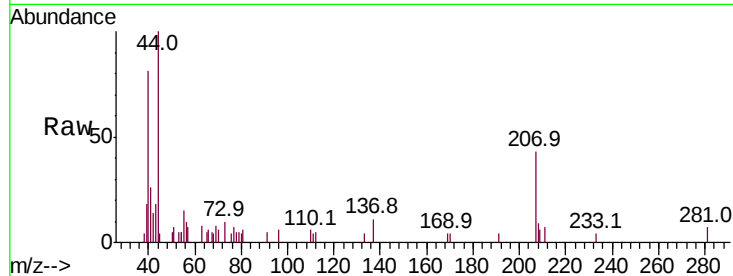
Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

Tot Ion: 69 Resp: 425

Ion	Ratio	Lower	Upper
69	100		
41	155.1	61.5	92.3#
39	0.0	33.3	49.9#



#57

1,3-Dichloropropane

Concen: 32.964 ug/l

RT: 9.03 min Scan# 862

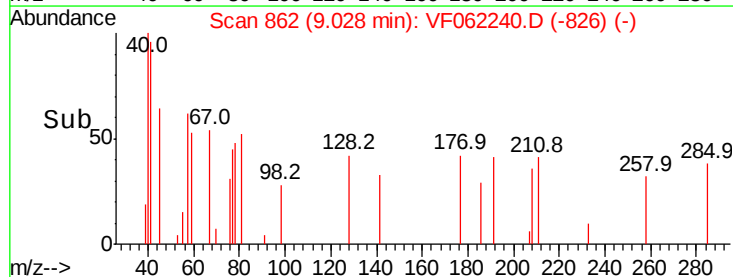
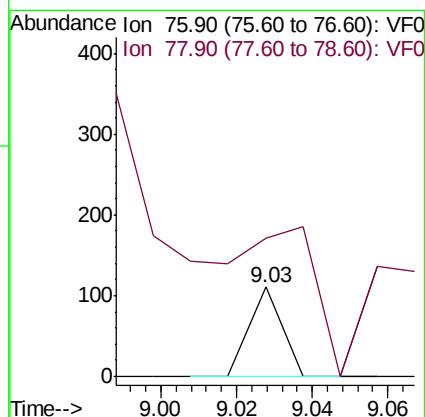
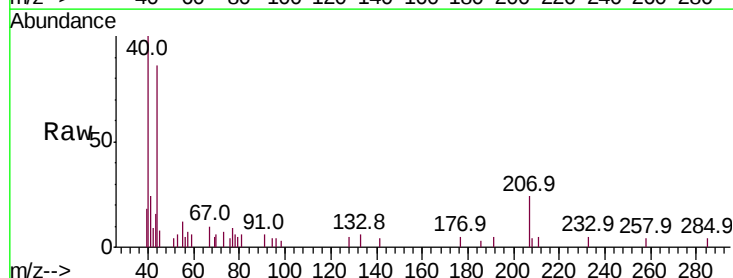
Delta R.T. 0.05 min

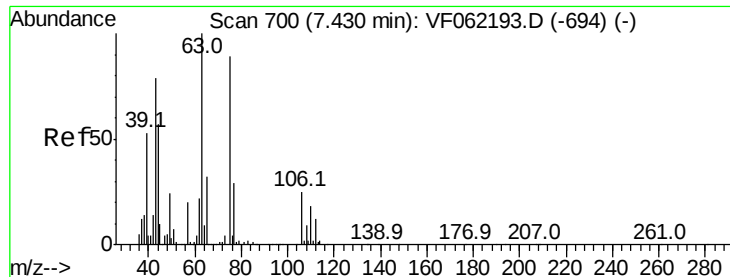
Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Tgt Ion: 76 Resp: 66

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.5	39.7#

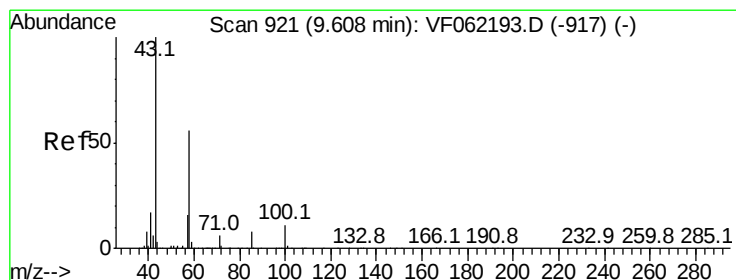
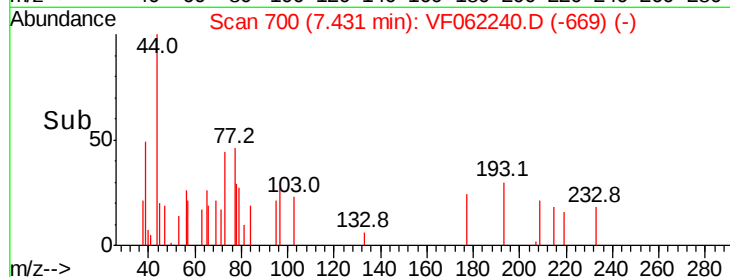
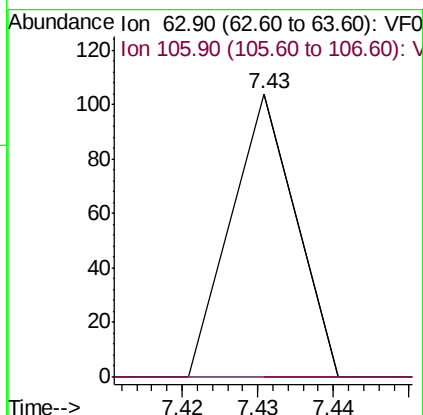
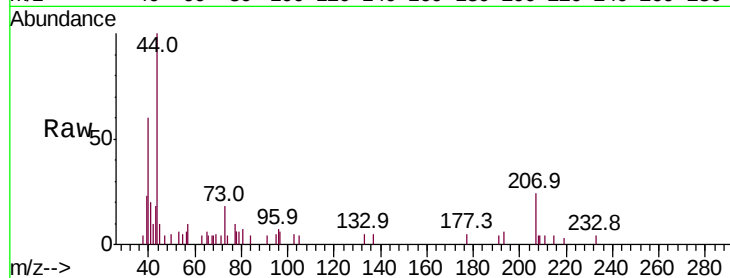




#58
2-Chloroethyl Vinyl ether
Concen: 149.039 ug/l
RT: 7.43 min Scan# 700
Delta R.T. 0.00 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

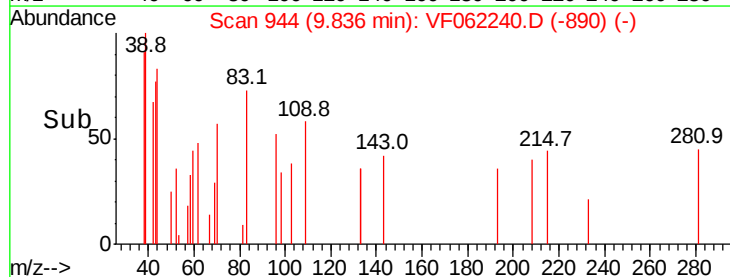
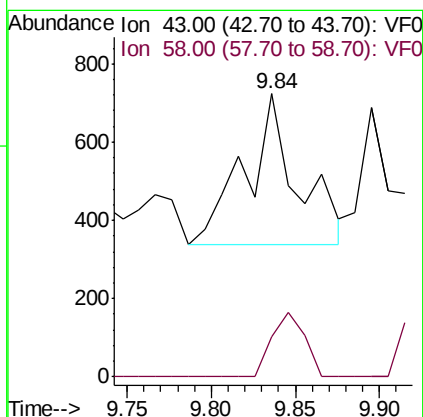
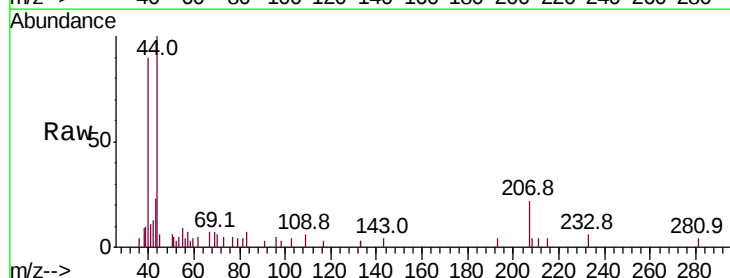
Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

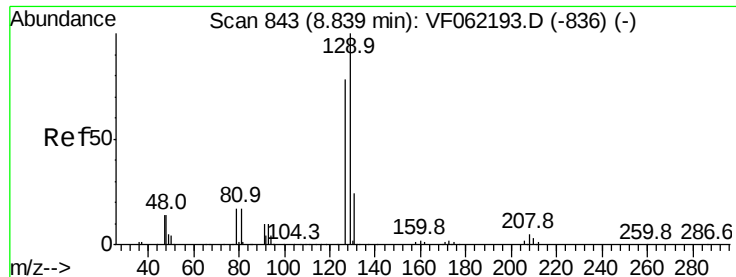
Tot Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#



#59
2-Hexanone
Concen: 1116.362 ug/l
RT: 9.84 min Scan# 944
Delta R.T. 0.23 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 26.6 24.6 74.0





#60

Dibromochloromethane

Concen: 41.757 ug/l

RT: 9.09 min Scan# 868

Delta R.T. 0.25 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

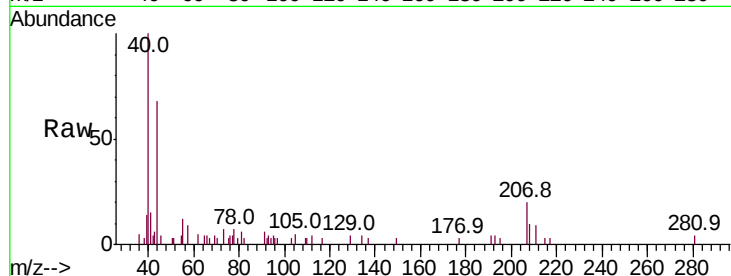
NCC-TOPSOIL-KYRE

Tot Ion:129 Resp: 77

Ion Ratio Lower Upper

129 100

127 90.9 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.09

150

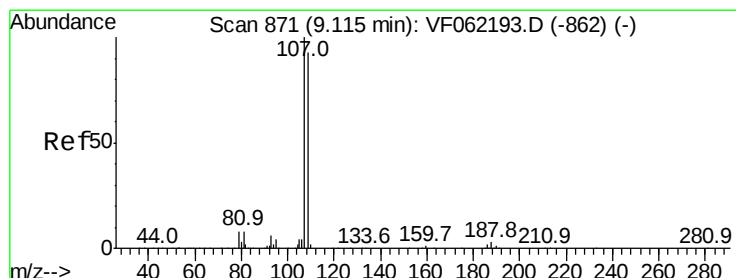
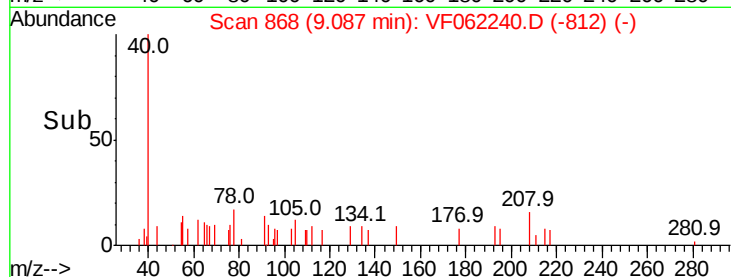
100

50

0

9.06 9.08 9.10 9.12

Time-->



#61

1,2-Dibromoethane

Concen: 46.531 ug/l

RT: 9.21 min Scan# 880

Delta R.T. 0.09 min

Lab File: VF062240.D

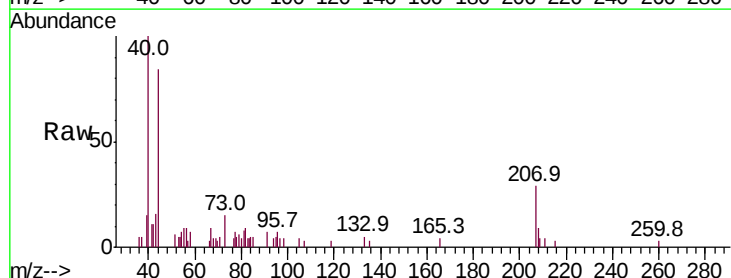
Acq: 22 Apr 2019 13:05

Tgt Ion:107 Resp: 65

Ion Ratio Lower Upper

107 100

109 106.2 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150

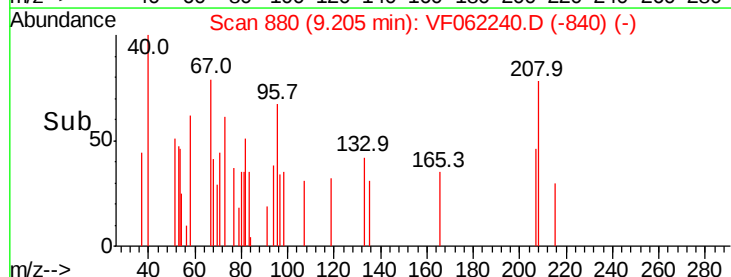
100

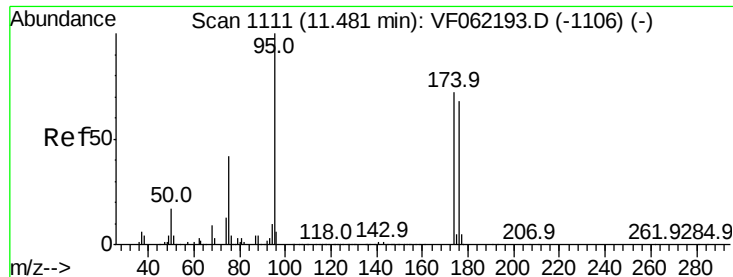
50

0

9.20 9.21 9.22

Time-->





#62

4-Bromofluorobenzene

Concen: 73.427 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

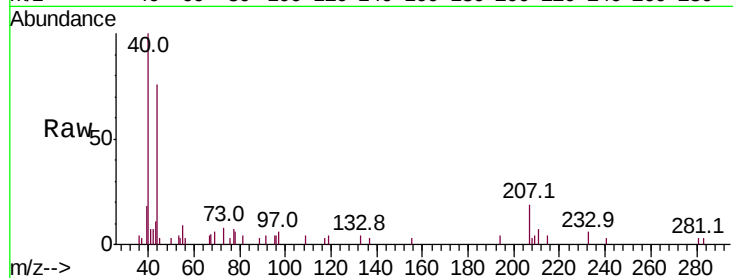
Tot Ion: 95 Resp: 167

Ion Ratio Lower Upper

95 100

174 57.5 0.0 159.4

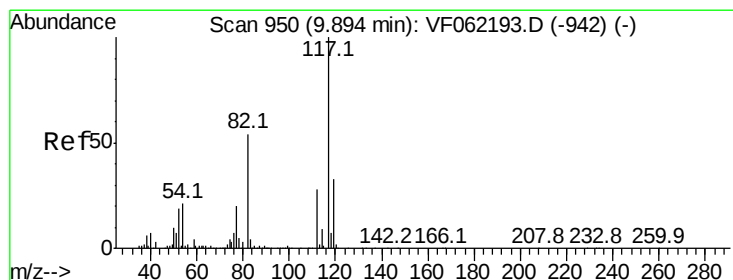
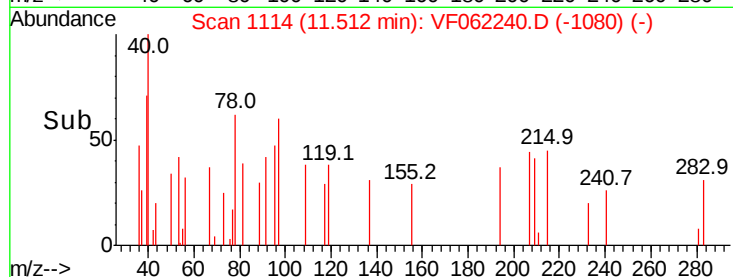
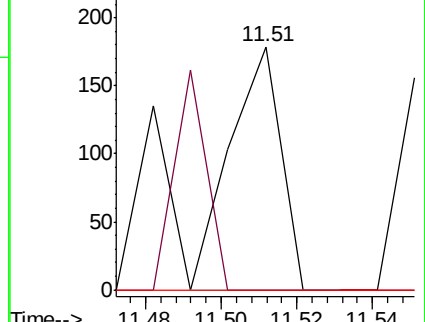
176 0.0 0.0 155.4



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# 953

Delta R.T. 0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

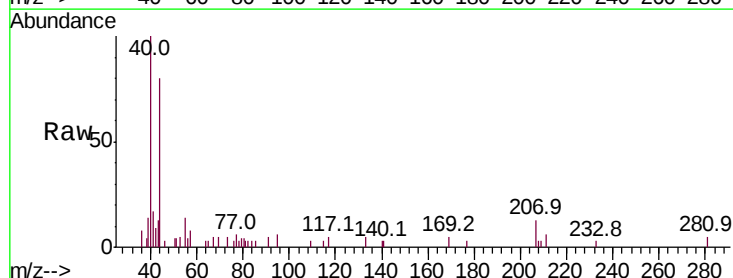
Tgt Ion: 117 Resp: 256

Ion Ratio Lower Upper

117 100

82 58.7 43.2 64.8

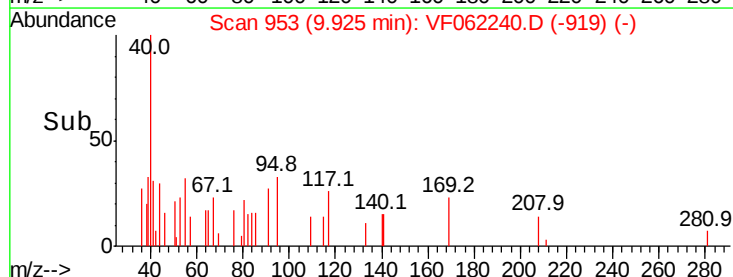
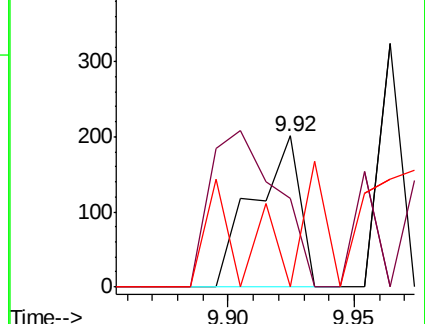
119 0.0 26.2 39.4#

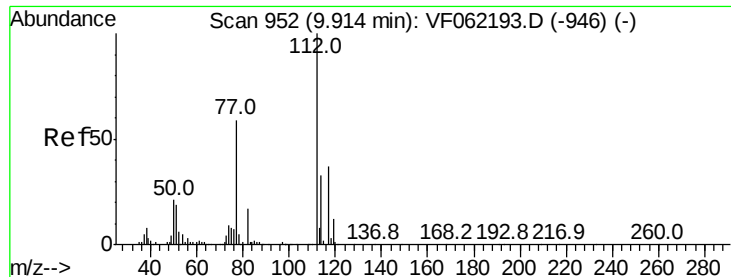


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V

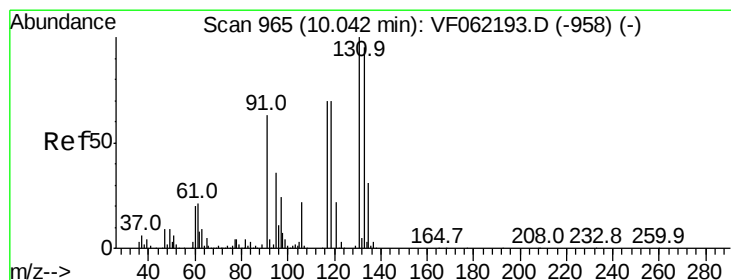
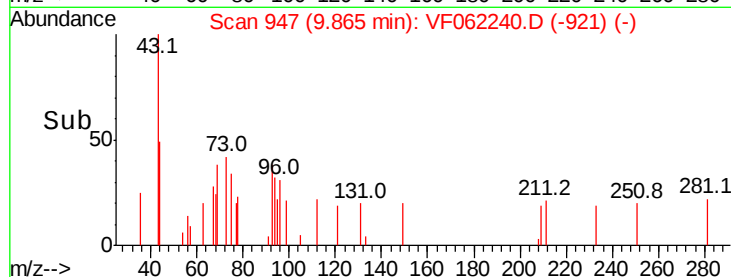
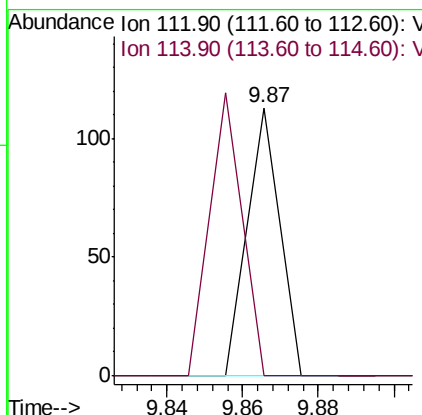
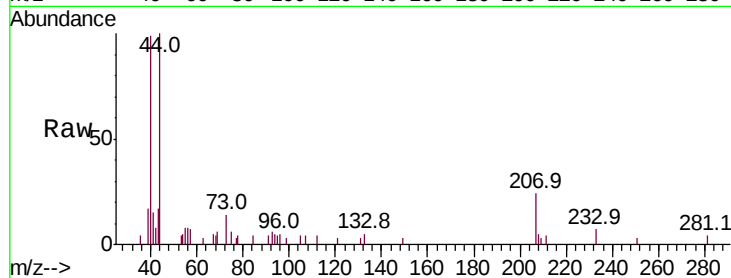




#65
Chlorobenzene
Concen: 12.274 ug/l
RT: 9.87 min Scan# 947
Delta R.T. -0.05 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

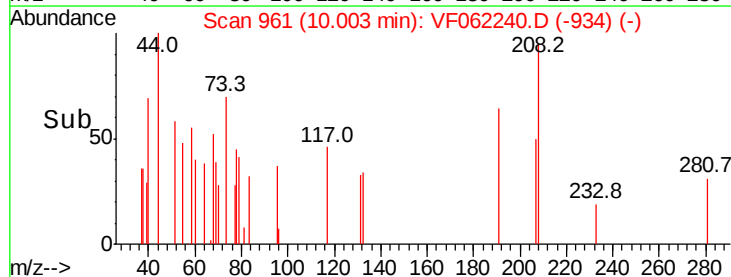
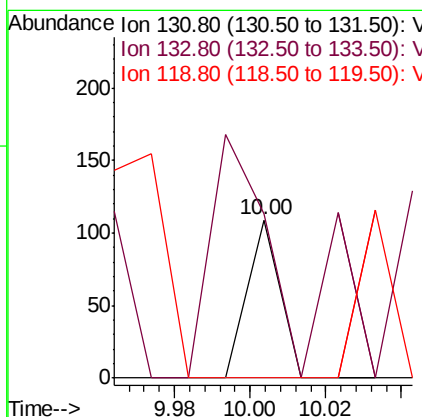
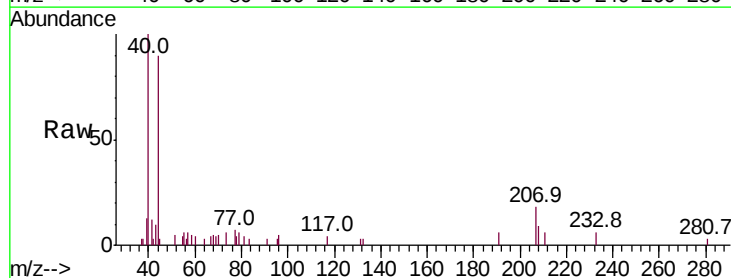
Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

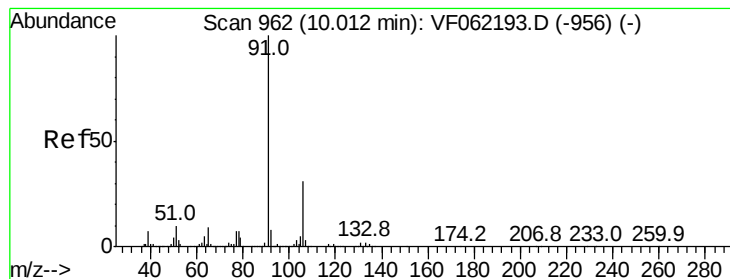
Tot Ion:112 Resp: 67
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#



#66
1,1,1,2-Tetrachloroethane
Concen: 25.037 ug/l
RT: 10.00 min Scan# 961
Delta R.T. -0.04 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

Tgt Ion:131 Resp: 64
Ion Ratio Lower Upper
131 100
133 259.4 47.7 143.1#
119 0.0 34.6 103.9#





#67

Ethyl Benzene

Concen: 66.190 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

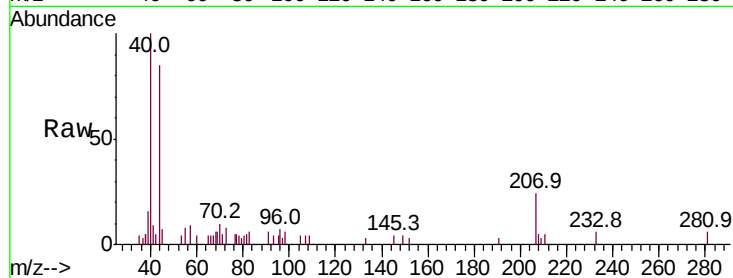
NCC-TOPSOIL-KYRE

Tot Ion: 91 Resp: 657

Ion Ratio Lower Upper

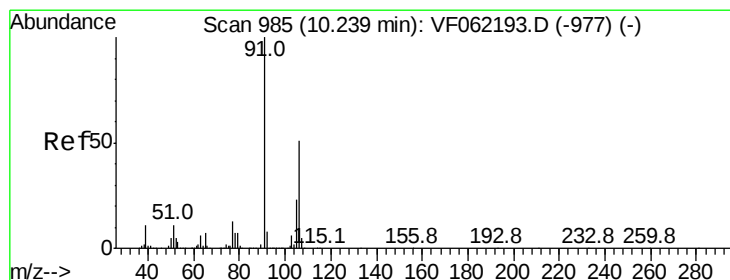
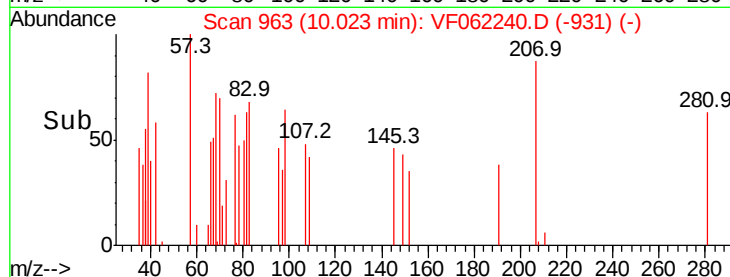
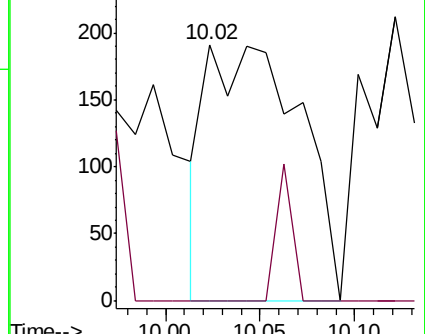
91 100

106 0.0 24.9 37.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 17.789 ug/l

RT: 10.22 min Scan# 983

Delta R.T. -0.02 min

Lab File: VF062240.D

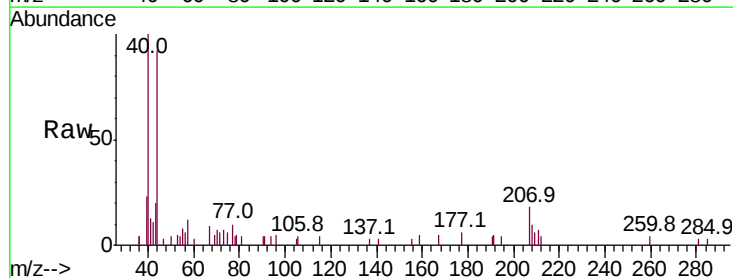
Acq: 22 Apr 2019 13:05

Tgt Ion: 106 Resp: 65

Ion Ratio Lower Upper

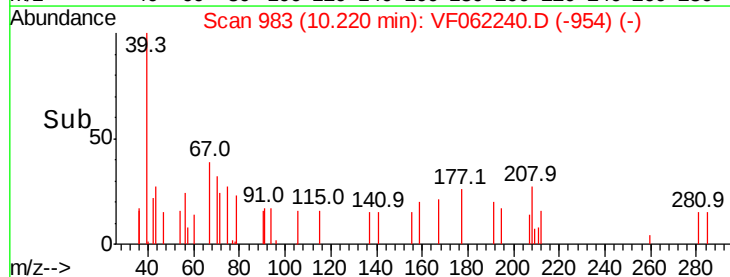
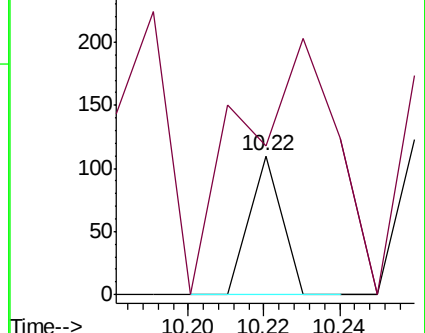
106 100

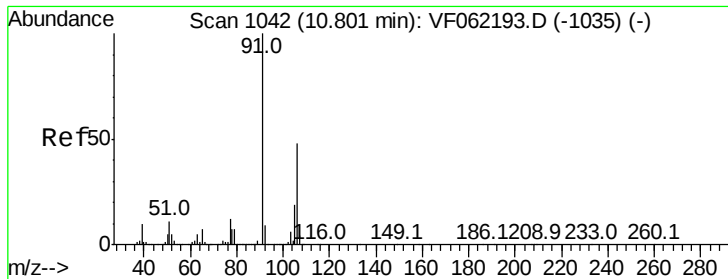
91 541.5 159.1 238.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

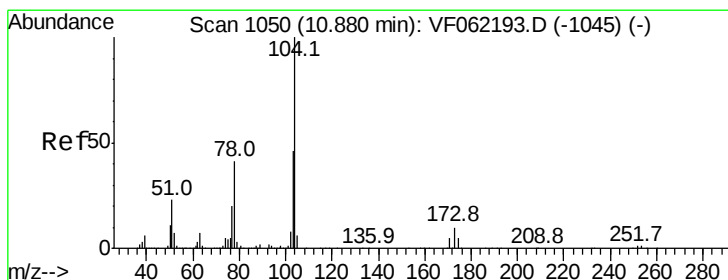
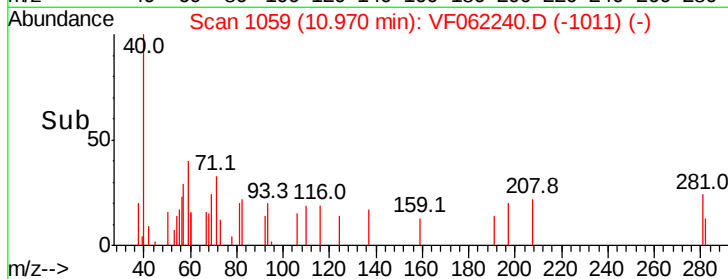
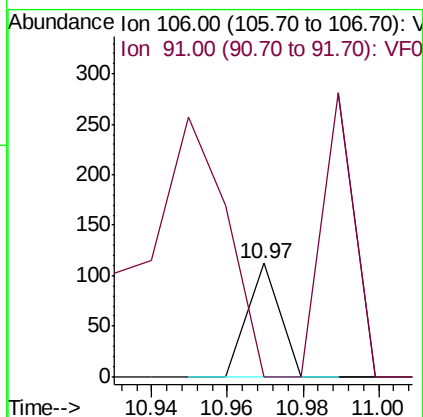
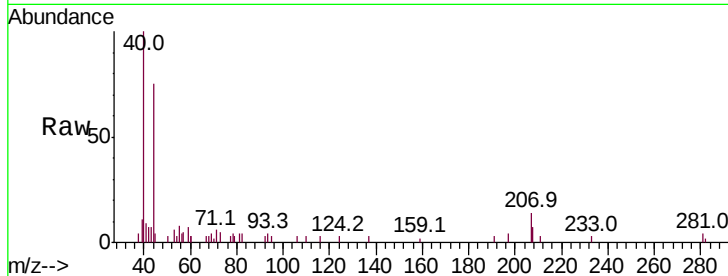




#69
o-Xylene
Concen: 16.269 ug/l
RT: 10.97 min Scan# 1059
Delta R.T. 0.17 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

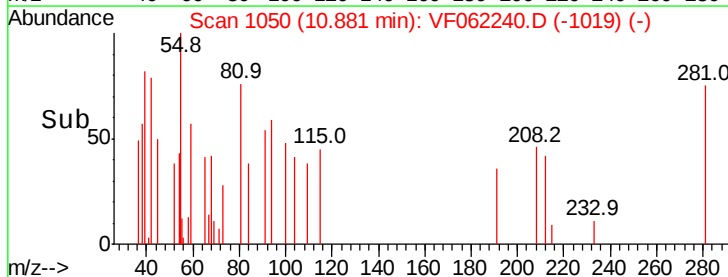
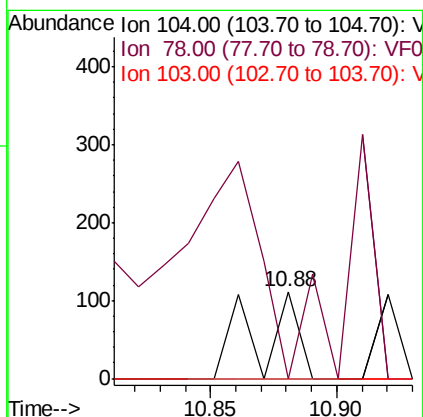
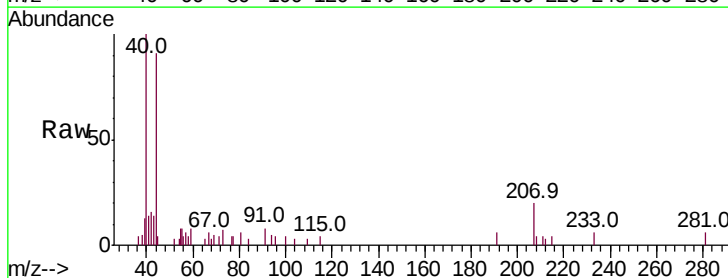
Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

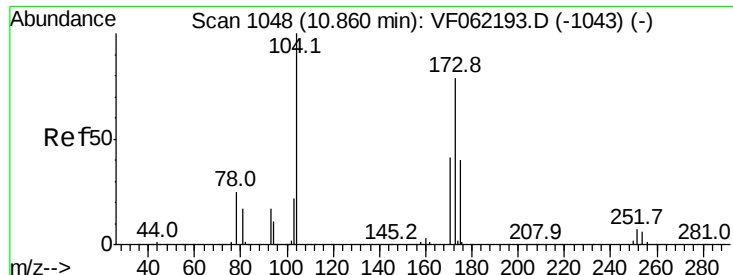
Tot Ion:106 Resp: 66
Ion Ratio Lower Upper
106 100
91 251.5 107.5 322.4



#70
Styrene
Concen: 22.707 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062240.D
Acq: 22 Apr 2019 13:05

Tgt Ion:104 Resp: 130
Ion Ratio Lower Upper
104 100
78 568.5 34.5 51.7#
103 0.0 37.2 55.8#





#71

Bromoform

Concen: 45.196 ug/l

RT: 10.59 min Scan# 1021

Delta R.T. -0.27 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

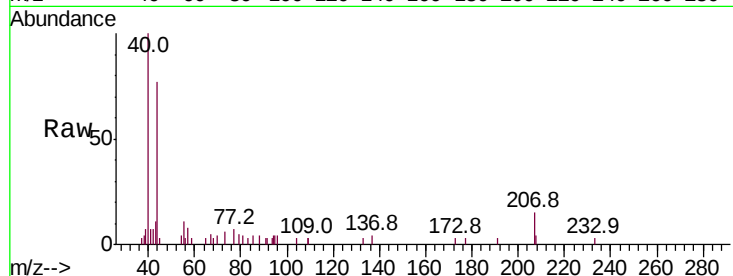
Tot Ion:173 Resp: 61

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

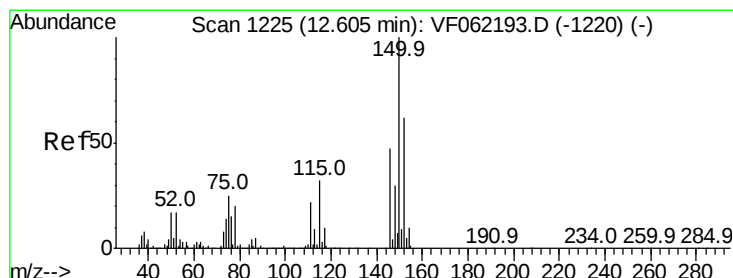
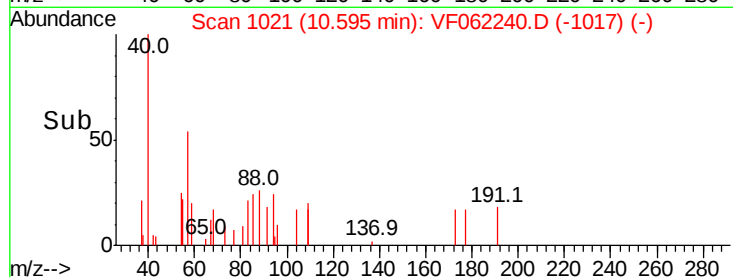
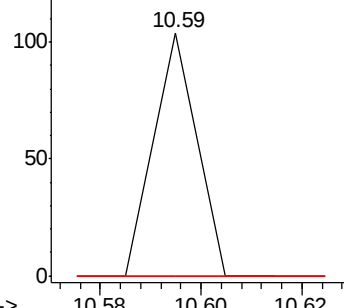
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.06 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

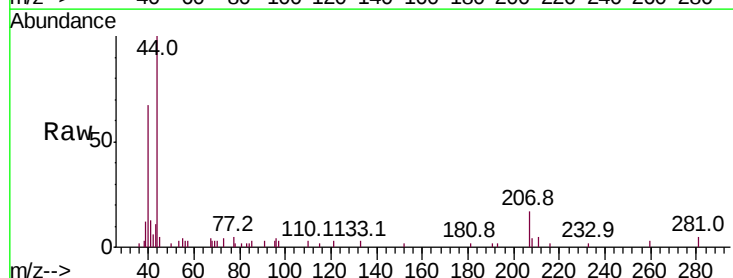
Tgt Ion:152 Resp: 67

Ion Ratio Lower Upper

152 100

115 216.4 27.8 83.3#

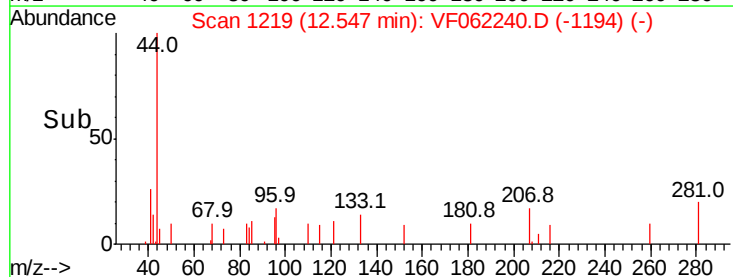
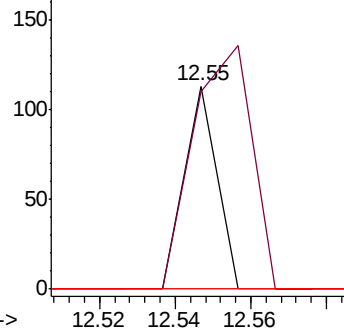
150 0.0 0.0 341.8

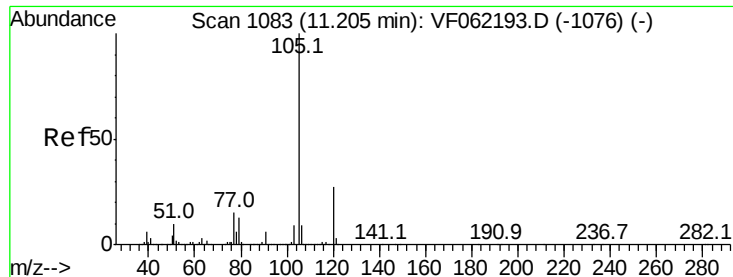


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.815 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

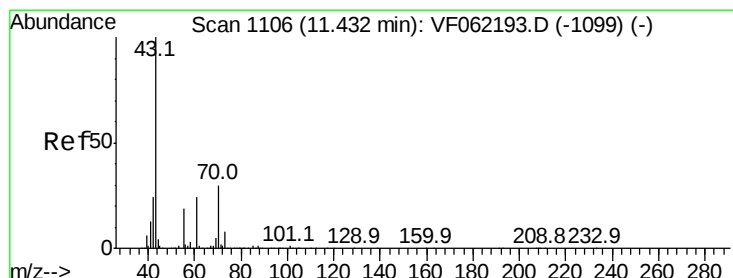
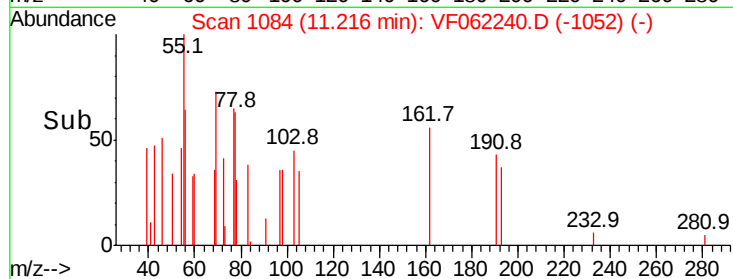
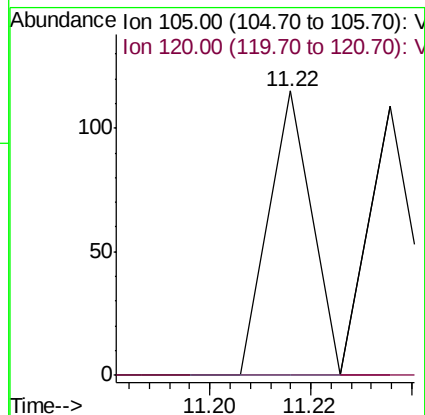
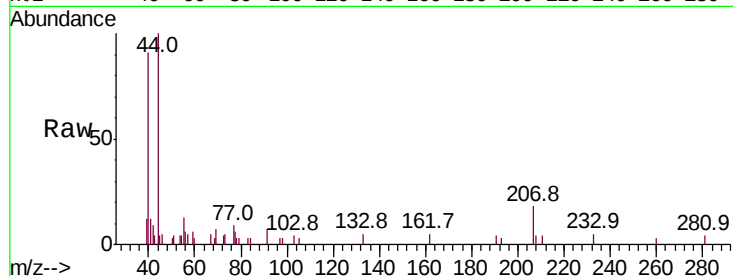
NCC-TOPSOIL-KYRE

Tot Ion:105 Resp: 68

Ion Ratio Lower Upper

105 100

120 0.0 13.0 38.9#



#74

N-ethyl acetate

Concen: 981.202 ug/l

RT: 11.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Tgt Ion: 43 Resp: 1284

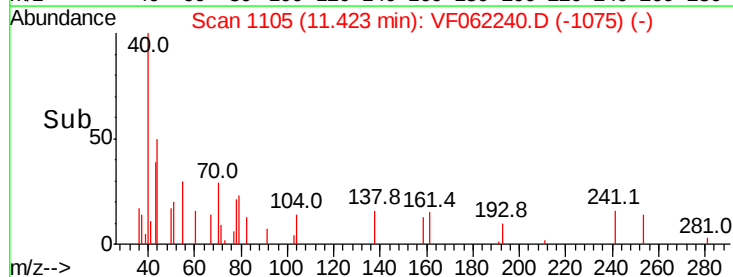
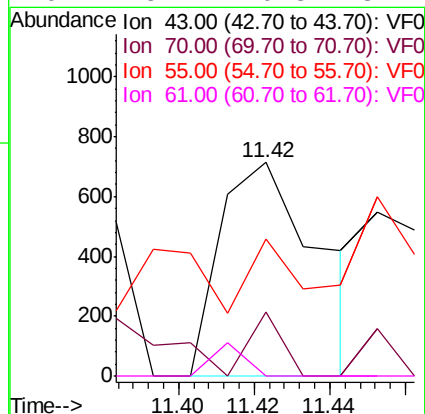
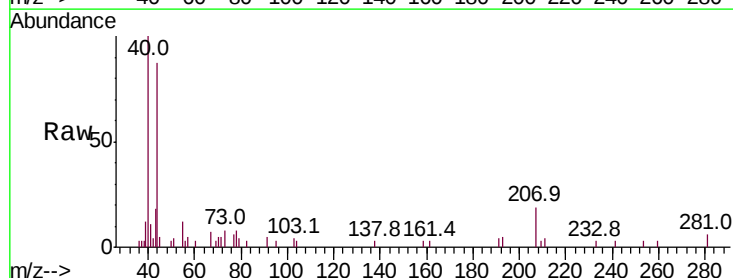
Ion Ratio Lower Upper

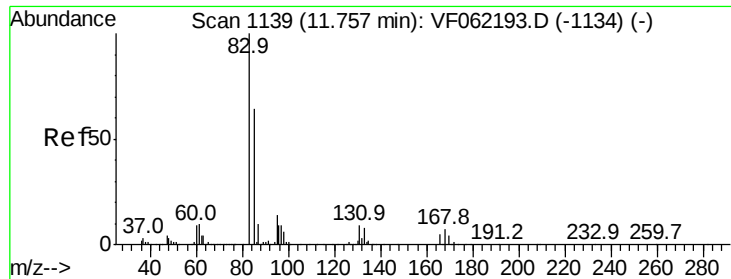
43 100

70 0.0 27.0 40.4#

55 0.0 15.7 23.5#

61 5.1 20.8 31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 156.600 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

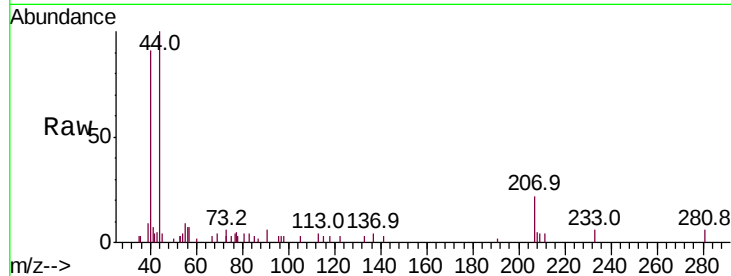
Tot Ion: 83 Resp: 155

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

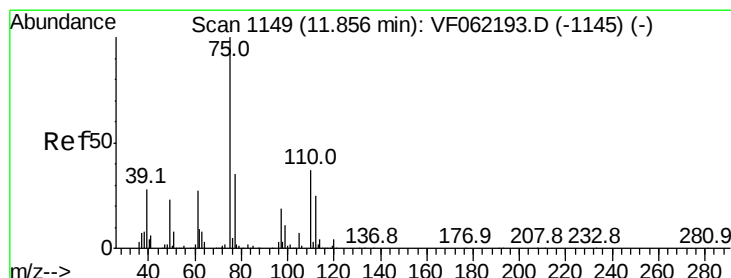
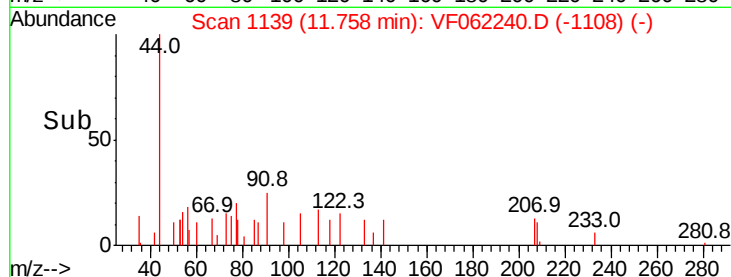
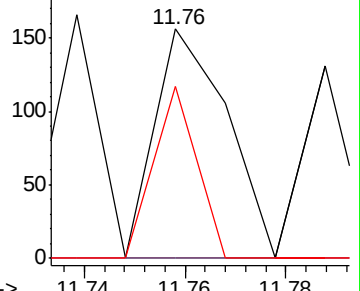
85 44.5 34.7 104.1



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: 183.561 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF062240.D

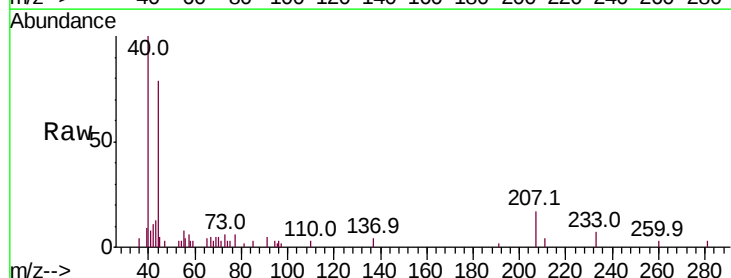
Acq: 22 Apr 2019 13:05

Tgt Ion: 75 Resp: 125

Ion Ratio Lower Upper

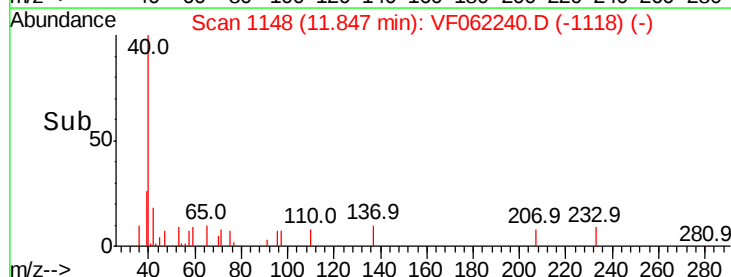
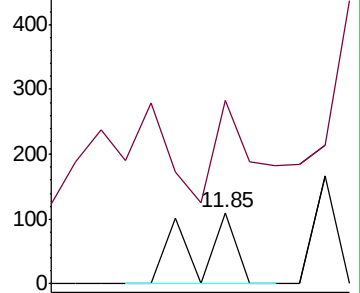
75 100

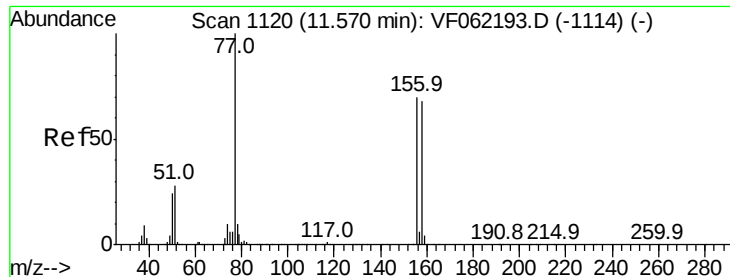
77 136.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.154 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. -0.21 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

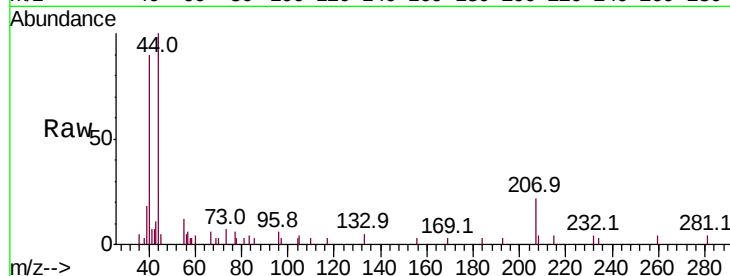
Tot Ion:156 Resp: 68

Ion Ratio Lower Upper

156 100

77 0.0 80.9 242.7#

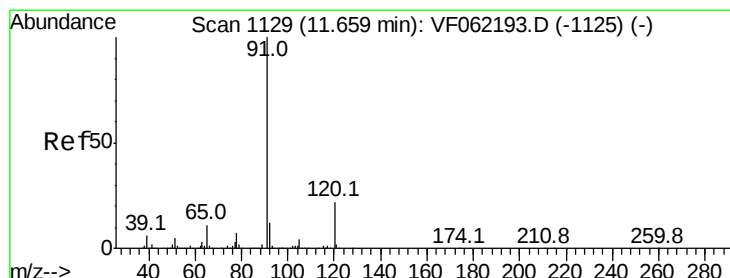
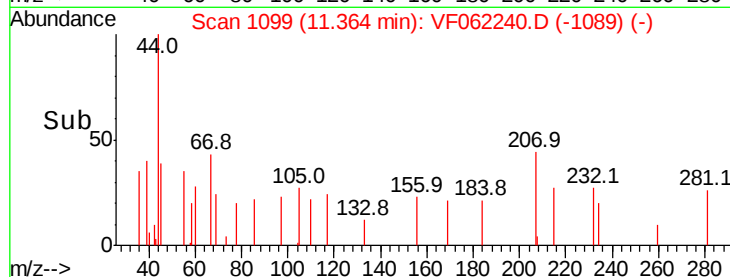
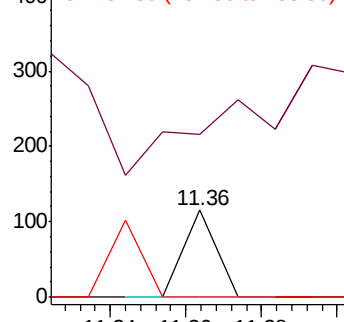
158 89.7 49.8 149.4



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: 80.871 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. -0.03 min

Lab File: VF062240.D

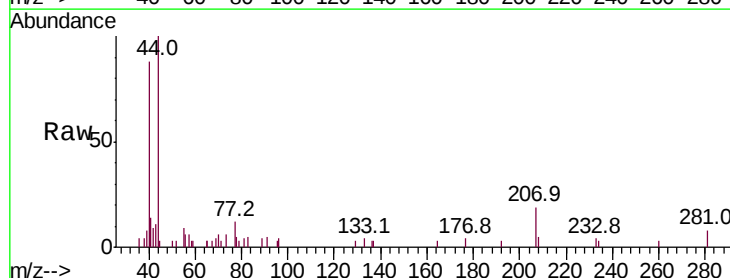
Acq: 22 Apr 2019 13:05

Tgt Ion: 91 Resp: 491

Ion Ratio Lower Upper

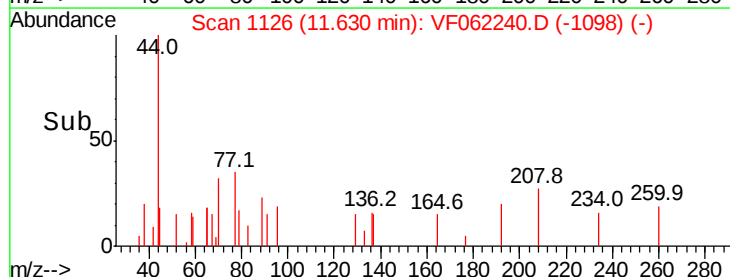
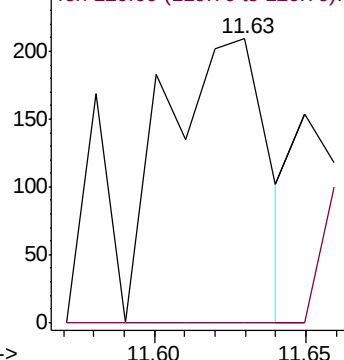
91 100

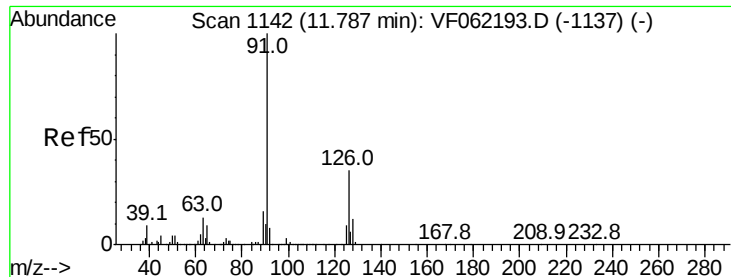
120 0.0 11.2 33.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 193.055 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

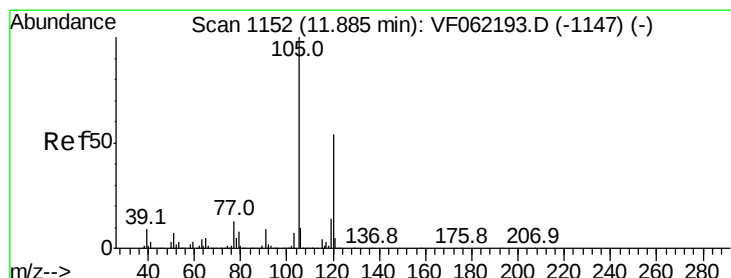
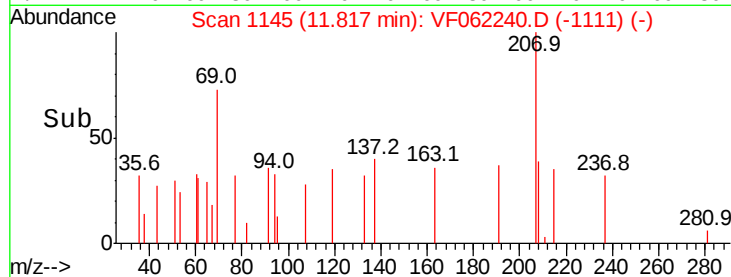
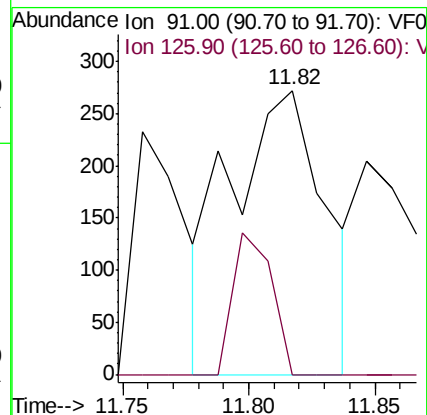
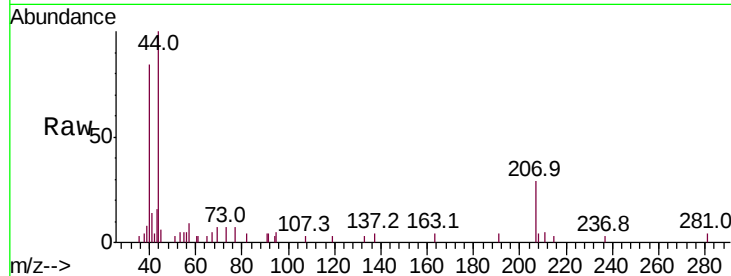
NCC-TOPSOIL-KYRE

Tot Ion: 91 Resp: 711

Ion Ratio Lower Upper

91 100

126 20.4 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 17.315 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.23 min

Lab File: VF062240.D

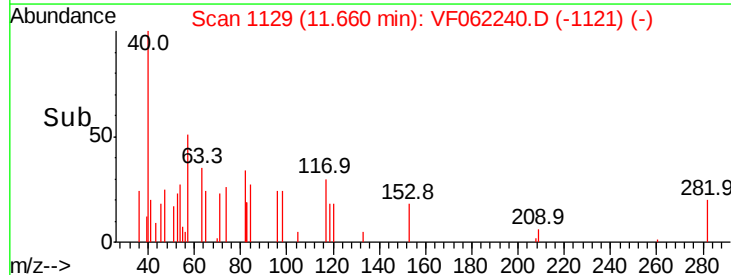
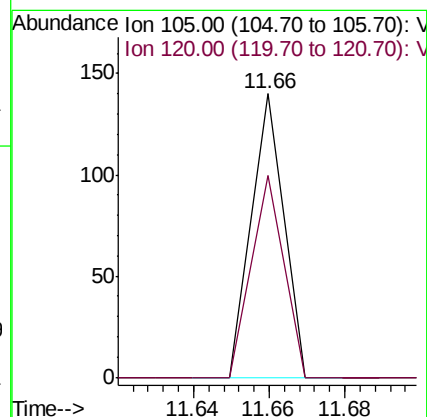
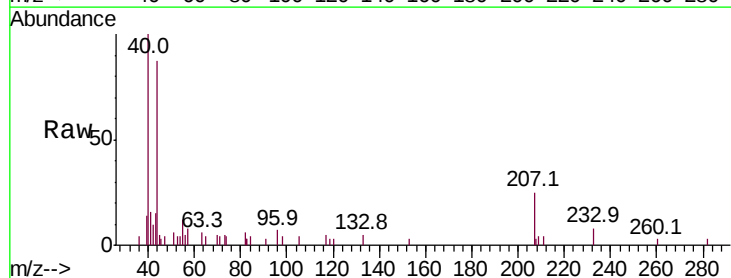
Acq: 22 Apr 2019 13:05

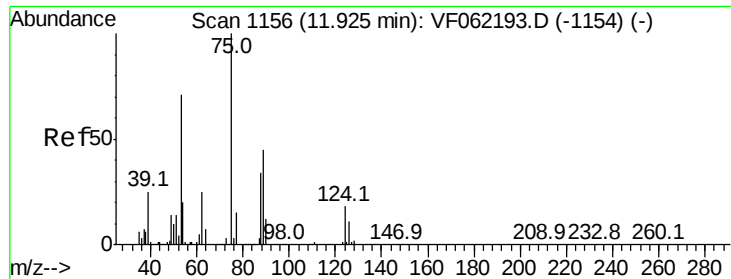
Tgt Ion:105 Resp: 83

Ion Ratio Lower Upper

105 100

120 71.1 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 705.453 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.03 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

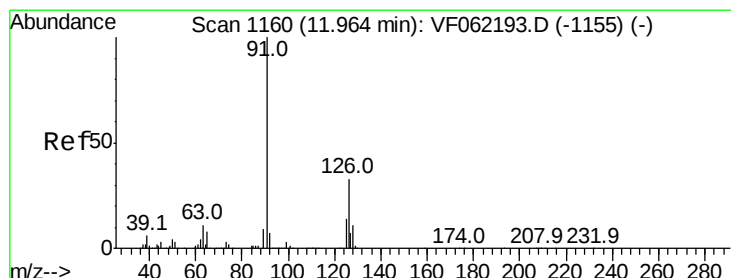
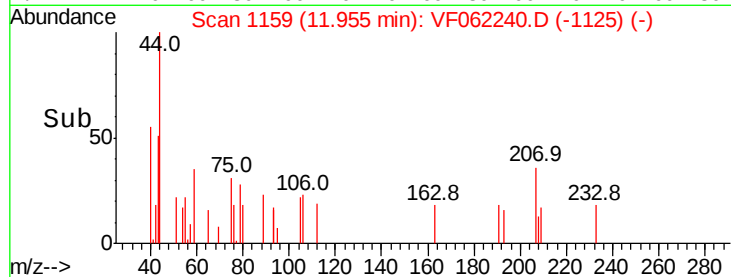
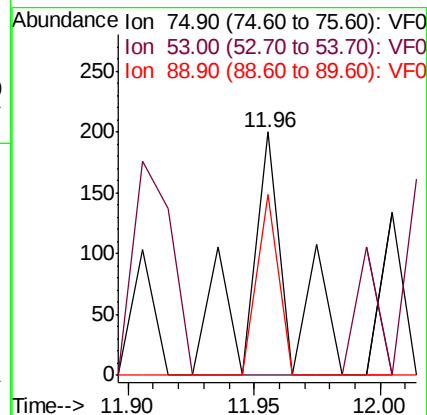
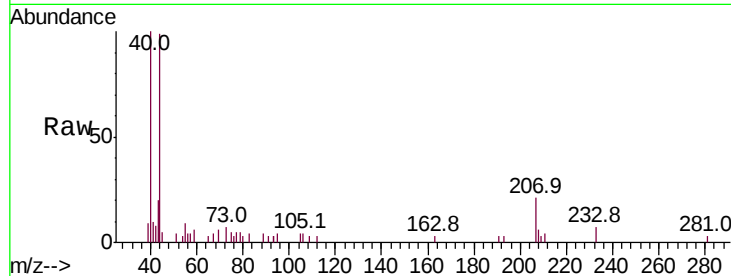
Tot Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

53 0.0 50.2 75.4#

89 35.9 0.0 0.0#



#82

4-Chlorotoluene

Concen: 199.762 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.15 min

Lab File: VF062240.D

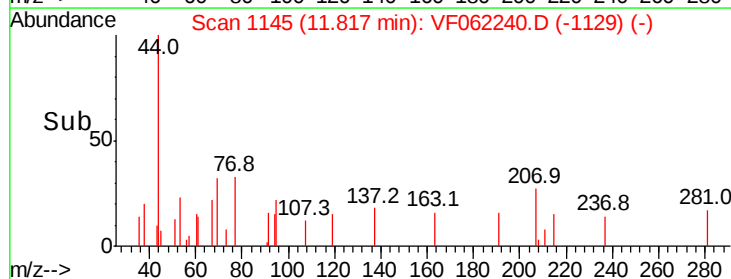
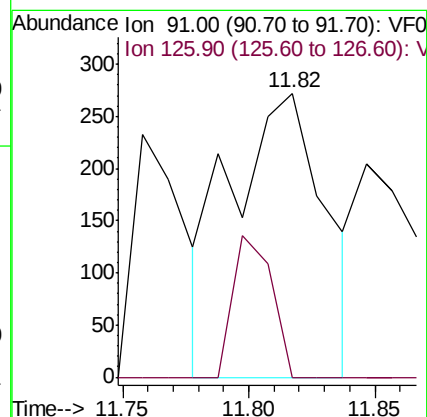
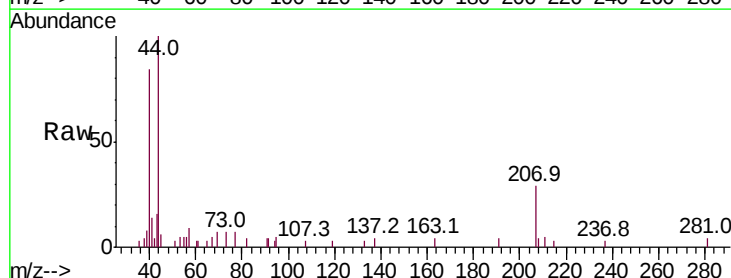
Acq: 22 Apr 2019 13:05

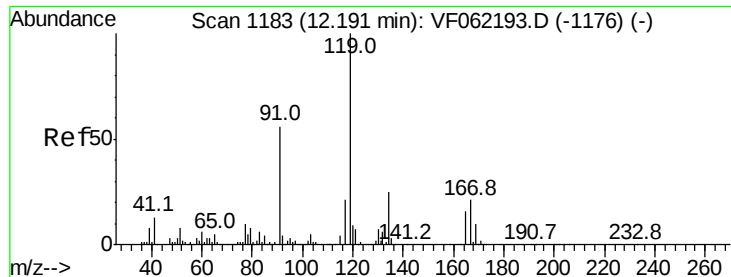
Tgt Ion: 91 Resp: 711

Ion Ratio Lower Upper

91 100

126 20.4 16.9 50.6





#83

tert-Butylbenzene

Concen: 16.542 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

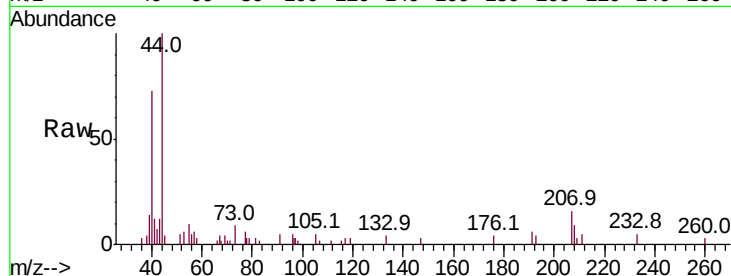
Tot Ion:119 Resp: 82

Ion Ratio Lower Upper

119 100

91 263.4 29.4 88.2#

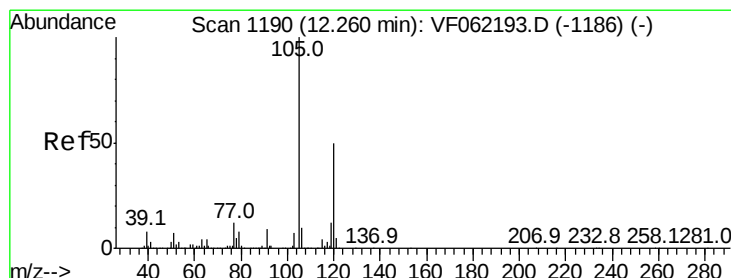
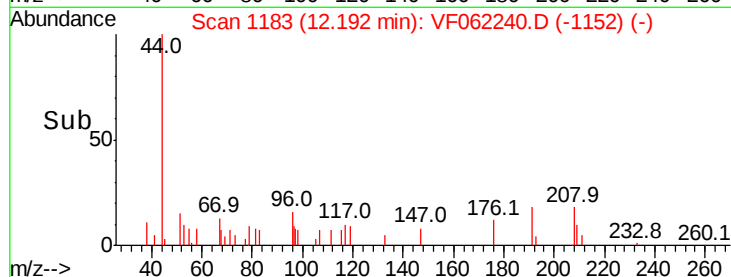
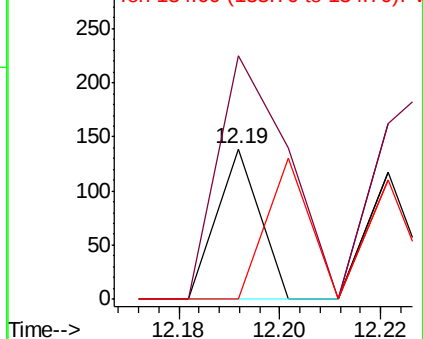
134 173.2 11.8 35.3#



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: 29.534 ug/l

RT: 12.46 min Scan# 1210

Delta R.T. 0.20 min

Lab File: VF062240.D

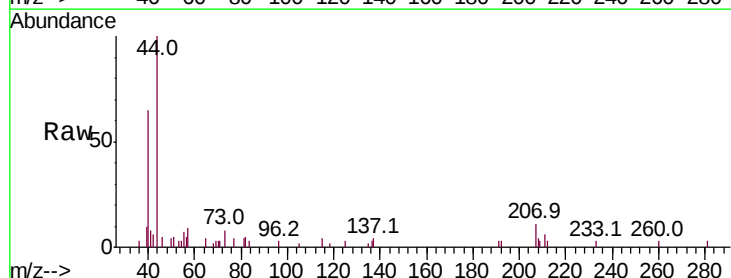
Acq: 22 Apr 2019 13:05

Tgt Ion:105 Resp: 137

Ion Ratio Lower Upper

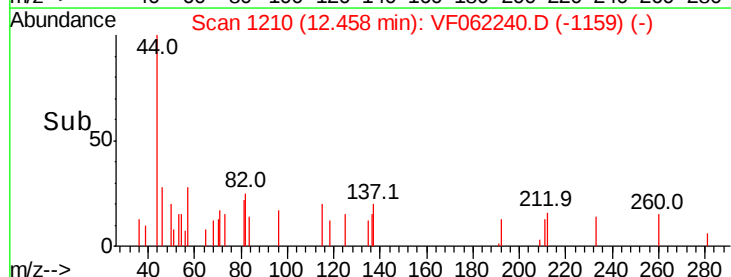
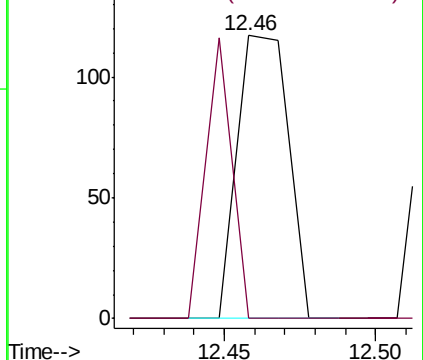
105 100

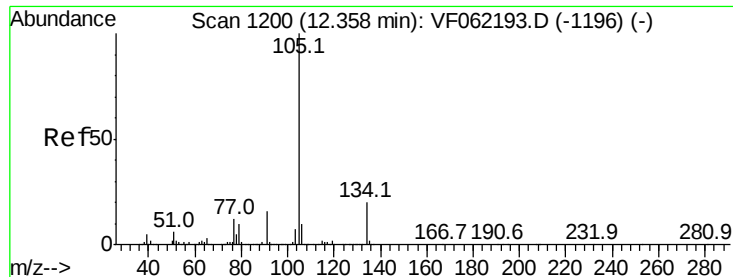
120 50.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.308 ug/l

RT: 12.32 min Scan# 1196

Delta R.T. -0.04 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

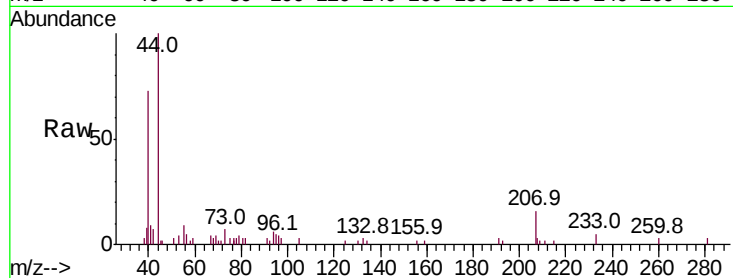
NCC-TOPSOIL-KYRE

Tot Ion:105 Resp: 150

Ion Ratio Lower Upper

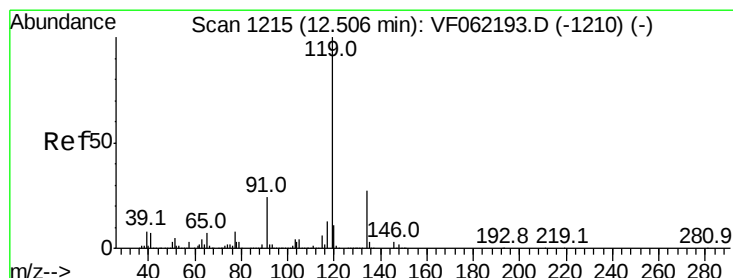
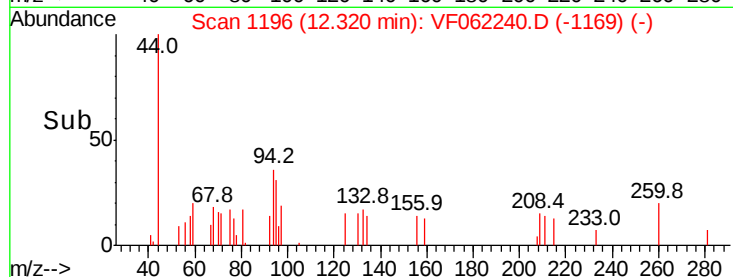
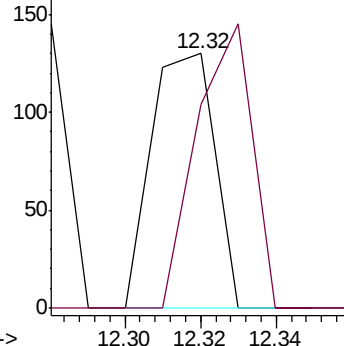
105 100

134 98.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.996 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.02 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

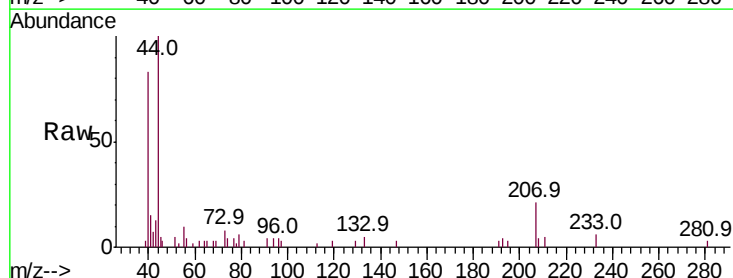
Tgt Ion:119 Resp: 131

Ion Ratio Lower Upper

119 100

134 63.4 13.2 39.5#

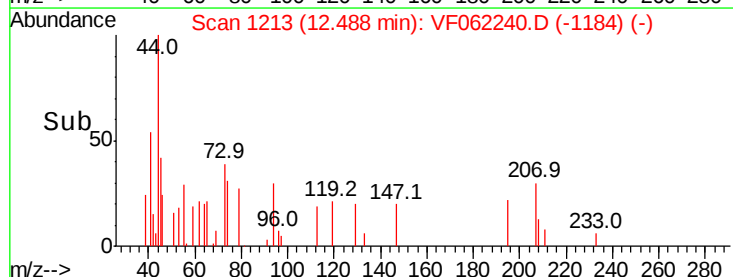
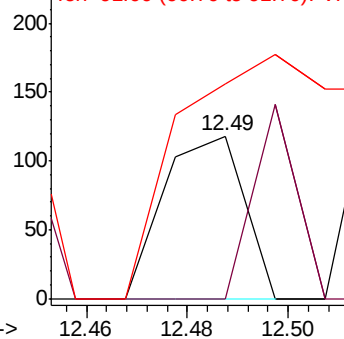
91 349.6 11.7 35.1#

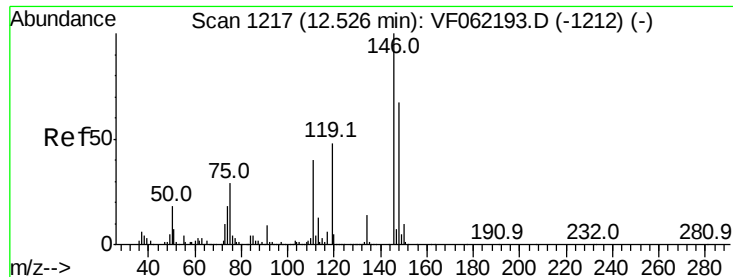


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 33.655 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.05 min

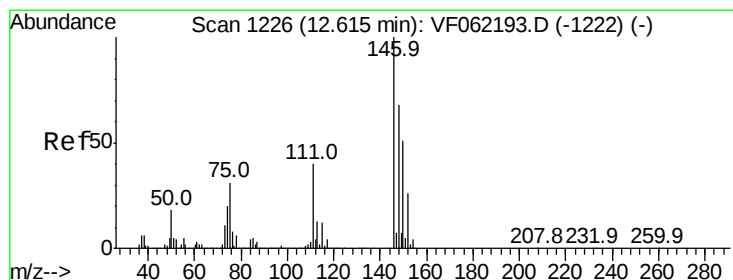
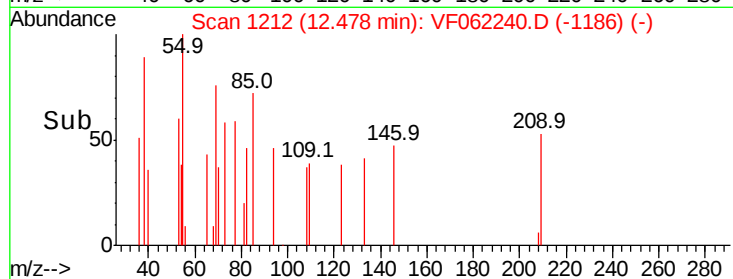
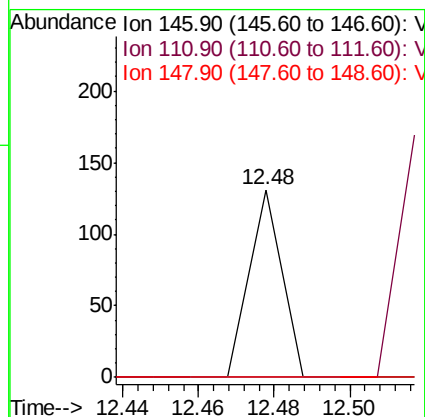
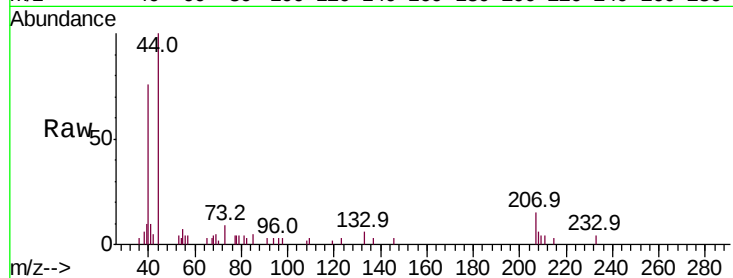
Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
NCC-TOPSOIL-KYRE

Tot Ion:146 Resp: 77

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	0.0	32.9	98.6#



#88

1,4-Dichlorobenzene

Concen: 29.907 ug/l

RT: 12.59 min Scan# 1223

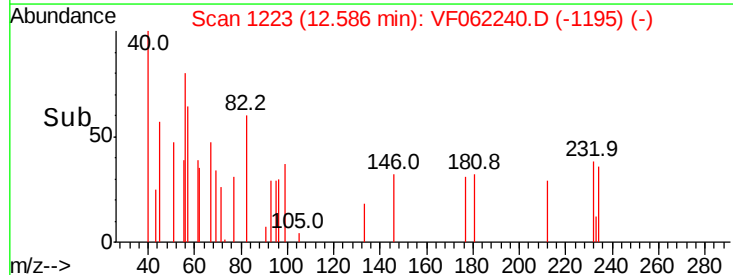
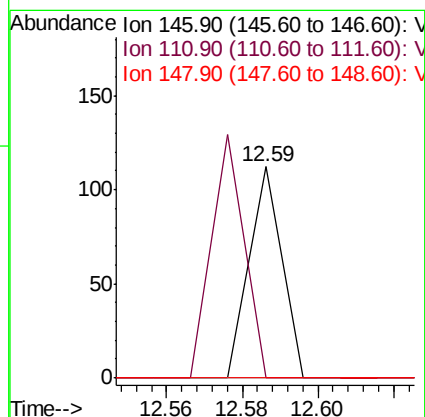
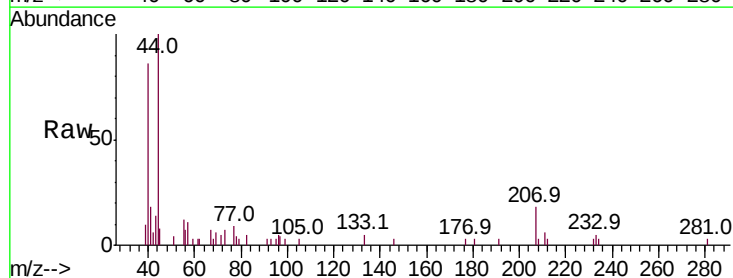
Delta R.T. -0.03 min

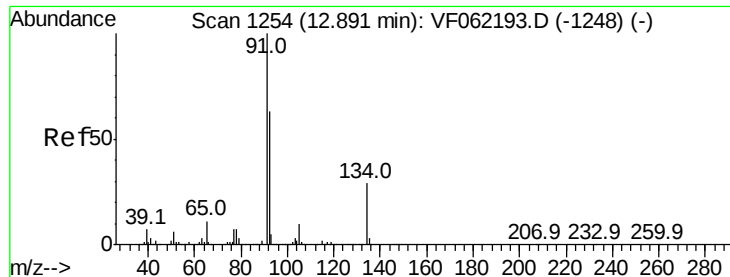
Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Tgt Ion:146 Resp: 66

Ion	Ratio	Lower	Upper
146	100		
111	115.2	20.0	60.0#
148	0.0	33.6	100.8#





#89

n-Butylbenzene

Concen: 48.637 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

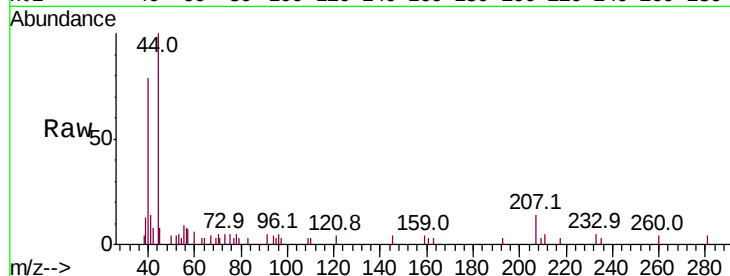
Tot Ion: 91 Resp: 219

Ion Ratio Lower Upper

91 100

92 41.1 31.2 93.6

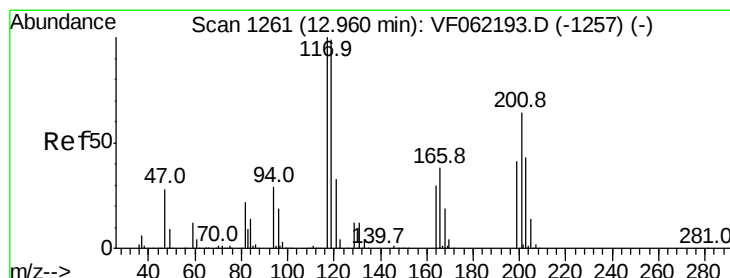
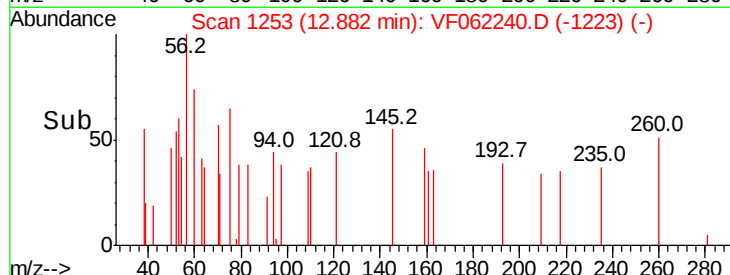
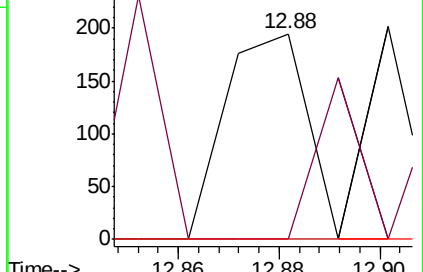
134 0.0 13.1 39.1#



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: 126.261 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VF062240.D

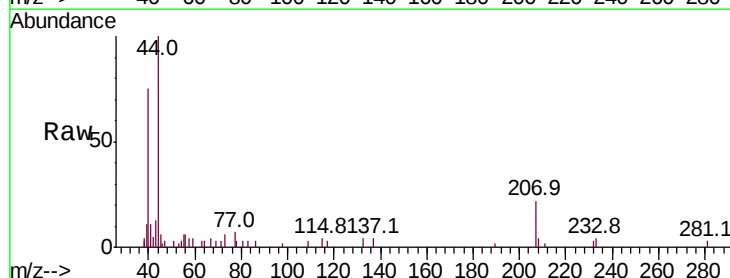
Acq: 22 Apr 2019 13:05

Tgt Ion: 117 Resp: 177

Ion Ratio Lower Upper

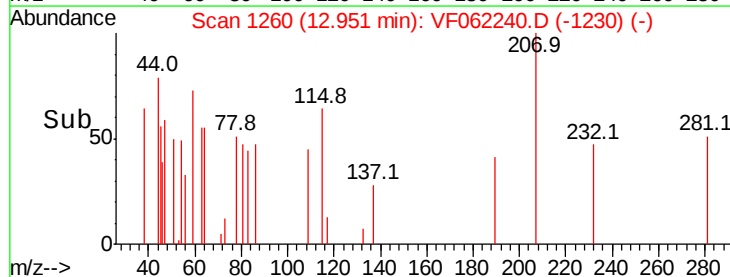
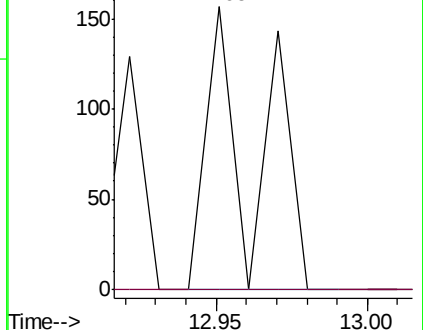
117 100

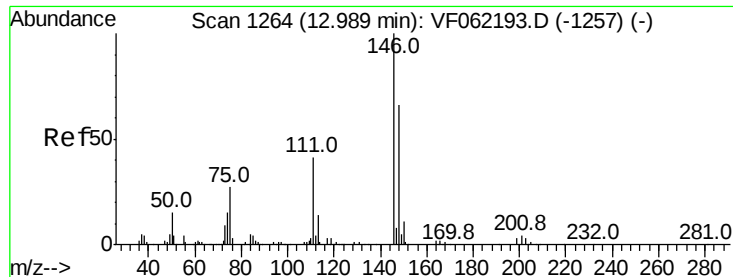
201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

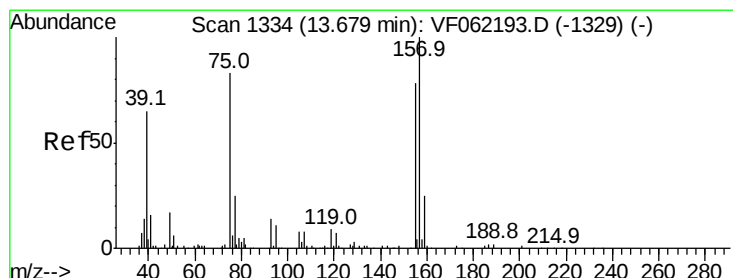
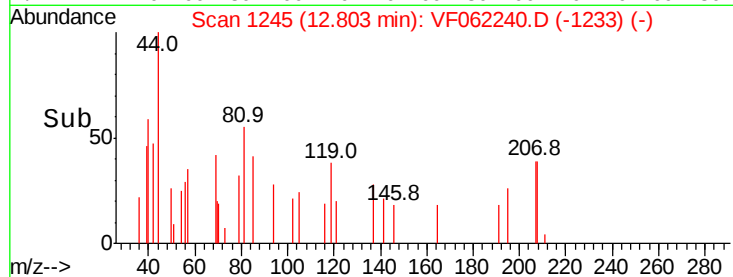
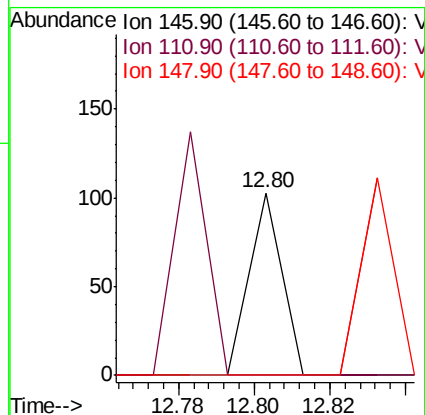
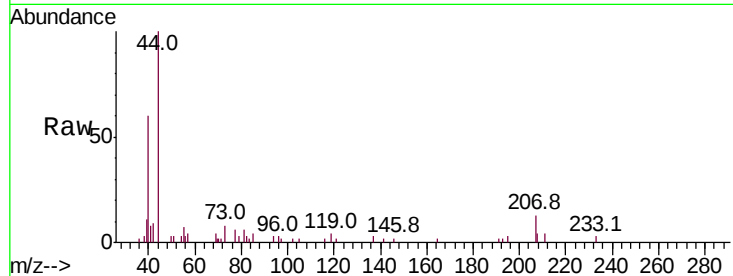




#91
 1,2-Dichlorobenzene
 Concen: 27.612 ug/l
 RT: 12.80 min Scan# 1245
 Delta R.T. -0.19 min
 Lab File: VF062240.D
 Acq: 22 Apr 2019 13:05

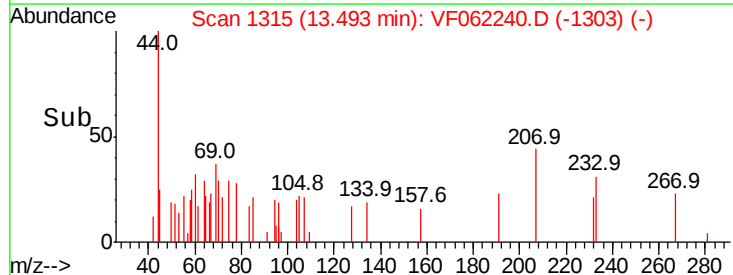
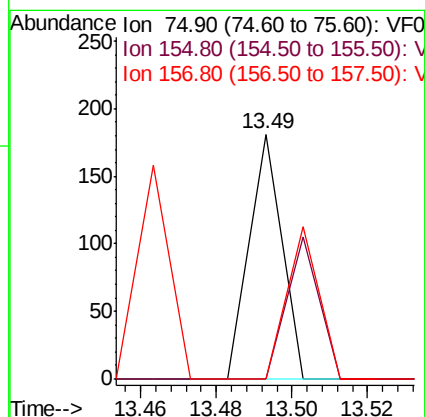
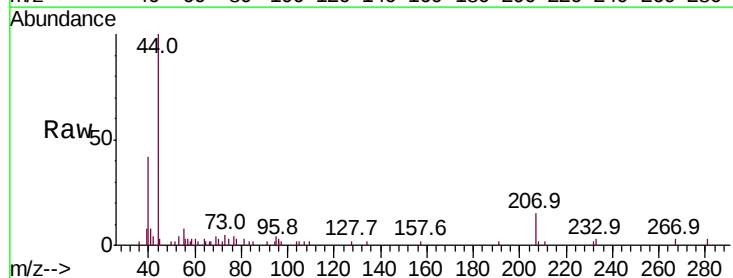
Instrument :
 MSVOA_F
 ClientSampleId :
 NCC-TOPSOIL-KYRE

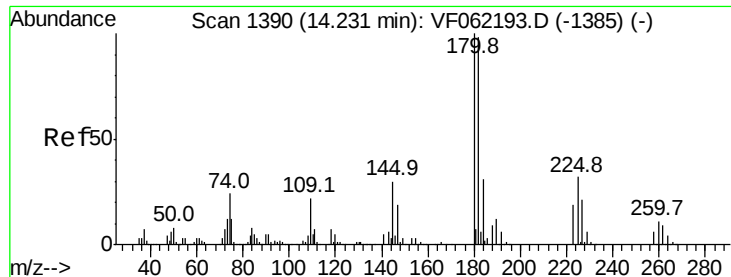
Tot Ion:146 Resp: 61
 Ion Ratio Lower Upper
 146 100
 111 132.8 20.8 62.5#
 148 0.0 33.0 99.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 550.226 ug/l
 RT: 13.49 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: VF062240.D
 Acq: 22 Apr 2019 13:05

Tgt Ion: 75 Resp: 107
 Ion Ratio Lower Upper
 75 100
 155 57.9 47.6 142.8
 157 62.6 61.3 183.9





#93

1,2,4-Trichlorobenzene

Concen: 34.084 ug/l

RT: 14.12 min Scan# 1379

Delta R.T. -0.11 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

NCC-TOPSOIL-KYRE

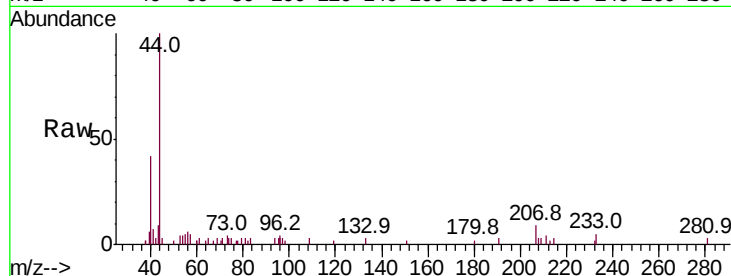
Tot Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 49.3 147.9#

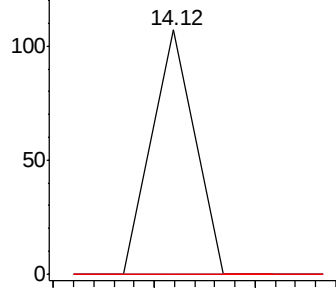
145 0.0 18.1 54.4#



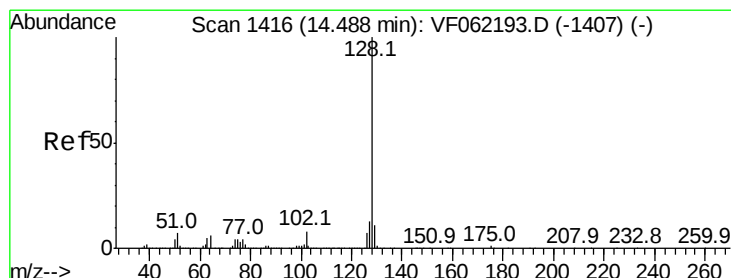
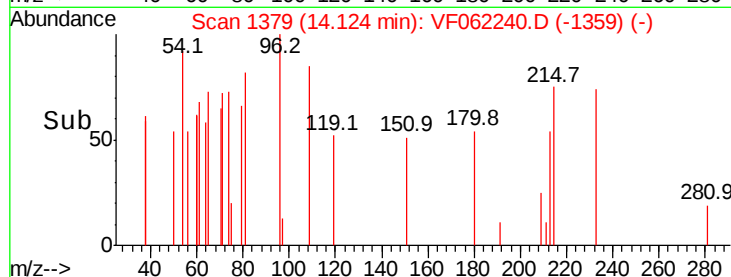
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 47.340 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062240.D

Acq: 22 Apr 2019 13:05

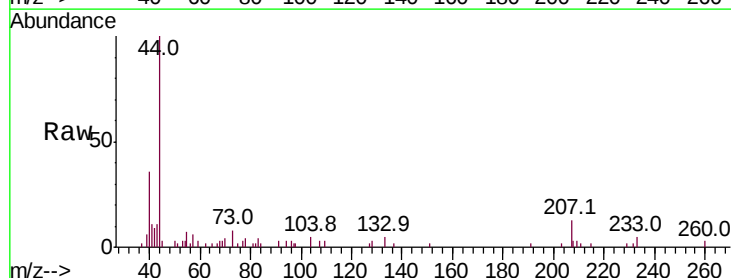
Tgt Ion:128 Resp: 153

Ion Ratio Lower Upper

128 100

127 45.1 10.4 15.6#

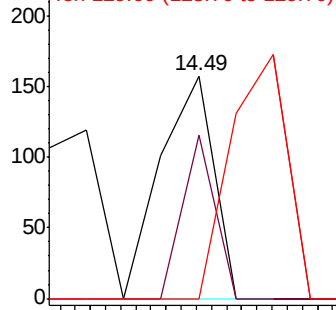
129 117.6 9.2 13.8#



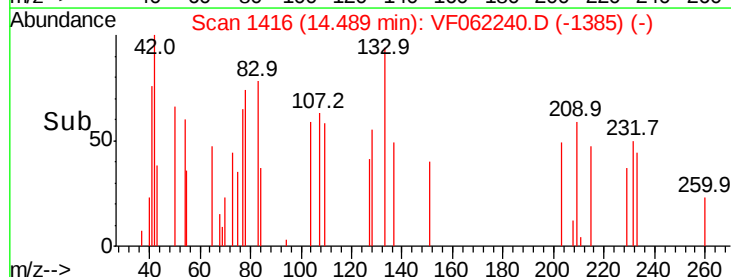
Abundance Ion 128.00 (127.70 to 128.70): V

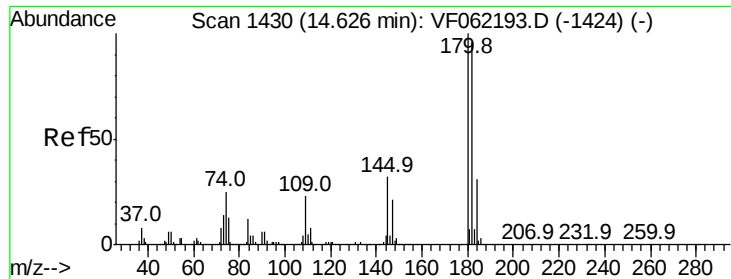
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

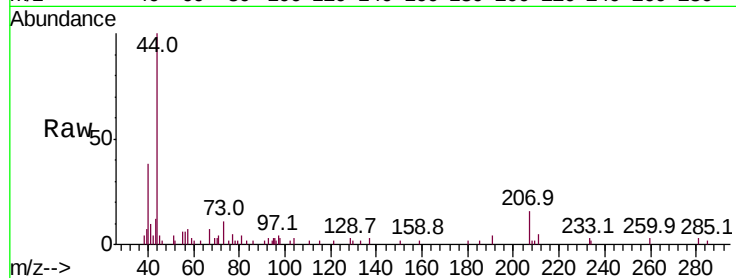




#96
 1,2,3-Trichlorobenzene
 Concen: 73.260 ug/l
 RT: 14.51 min Scan# 1418
 Delta R.T. -0.12 min
 Lab File: VF062240.D
 Acq: 22 Apr 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 NCC-TOPSOIL-KYRE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.4	145.3#
145	0.0	15.6	46.8#



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

