

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060828.D
 Acq On : 26 Nov 2018 18:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 27 00:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	197453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	318777	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	313901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	163430	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	48286	21.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.22%	
35) Dibromofluoromethane	4.14	113	51479	20.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.80%	
50) Toluene-d8	7.59	98	152257	21.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.26%	
62) 4-Bromofluorobenzene	11.43	95	69051	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	66857	19.615	ug/l	98
3) Chloromethane	1.10	50	42238	20.185	ug/l	98
4) Vinyl Chloride	1.15	62	37901	19.917	ug/l	96
5) Bromomethane	1.35	94	26047	21.137	ug/l #	80
6) Chloroethane	1.41	64	16127	21.655	ug/l #	86
7) Trichlorofluoromethane	1.50	101	57036	13.621	ug/l	92
8) Diethyl Ether	1.65	74	11818	21.604	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	40468	20.140	ug/l	97
10) Methyl Iodide	1.93	142	52611	16.435	ug/l	99
11) Tert butyl alcohol	2.59	59	10173	100.750	ug/l	97
12) 1,1-Dichloroethene	1.81	96	33577	20.989	ug/l	91
13) Acrolein	1.89	56	391	4.095	ug/l	83
14) Allyl chloride	2.11	41	38049	13.663	ug/l	95
15) Acrylonitrile	2.97	53	22899	106.158	ug/l	93
16) Acetone	2.26	43	45761	99.144	ug/l	94
17) Carbon Disulfide	1.85	76	71470	15.221	ug/l	94
18) Methyl Acetate	2.37	43	15626	20.269	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	74756	19.806	ug/l	98
20) Methylene Chloride	2.28	84	21329	12.002	ug/l #	80
21) trans-1,2-Dichloroethene	2.33	96	23269	14.282	ug/l	97
22) Diisopropyl ether	2.82	45	112926	20.966	ug/l	99
23) Vinyl Acetate	3.22	43	259551	103.528	ug/l	97
24) 1,1-Dichloroethane	2.90	63	62904	19.104	ug/l	100
25) 2-Butanone	4.37	43	76620	98.413	ug/l	94
26) 2,2-Dichloropropane	3.63	77	41987	16.765	ug/l	88
27) cis-1,2-Dichloroethene	3.50	96	51764	18.699	ug/l	91
28) Bromochloromethane	3.75	49	32131	19.333	ug/l	100
29) Tetrahydrofuran	4.10	42	33741	104.886	ug/l	97
30) Chloroform	3.90	83	103406	20.072	ug/l	97
31) Cyclohexane	3.72	56	44989	11.660	ug/l	97
32) 1,1,1-Trichloroethane	4.12	97	61305	15.159	ug/l	98
36) 1,1-Dichloropropene	4.32	75	72312	19.659	ug/l	98
37) Ethyl Acetate	4.14	43	29782	21.457	ug/l #	97
38) Carbon Tetrachloride	4.02	117	61308	17.138	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	76075	18.143	ug/l	97
40) Benzene	4.67	78	163031	19.934	ug/l	100
41) Methacrylonitrile	4.78	41	16162	19.445	ug/l #	80
42) 1,2-Dichloroethane	4.98	62	58679	20.347	ug/l	97
43) Isopropyl Acetate	6.99	43	35043	18.924	ug/l #	97
44) Trichloroethene	5.54	130	54102	20.719	ug/l	99
45) 1,2-Dichloropropane	6.27	63	42740	19.730	ug/l	90
46) Dibromomethane	6.13	93	28032	19.748	ug/l	94
47) Bromodichloromethane	6.42	83	74889	20.693	ug/l	96
48) Methyl methacrylate	6.75	41	25677	20.725	ug/l	91
49) 1,4-Dioxane	6.74	88	4112	363.683	ug/l #	90
51) 4-Methyl-2-Pentanone	8.29	43	140236	105.814	ug/l	97
52) Toluene	7.65	92	117882	21.472	ug/l	97
53) t-1,3-Dichloropropene	8.32	75	58823	20.047	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	78843	20.553	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	31541	19.922	ug/l	94
56) Ethyl methacrylate	8.65	69	34972	19.238	ug/l	98
57) 1,3-Dichloropropane	8.89	76	58747	21.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.33	63	19878	120.327	ug/l	100
59) 2-Hexanone	9.53	43	96646	103.226	ug/l	96
60) Dibromochloromethane	8.75	129	48447	21.163	ug/l	98
61) 1,2-Dibromoethane	9.02	107	37518	22.454	ug/l	100
64) Tetrachloroethene	8.19	164	49287	20.443	ug/l	96
65) Chlorobenzene	9.83	112	123927	19.676	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.96	131	55069	20.419	ug/l	99
67) Ethyl Benzene	9.93	91	223960	18.986	ug/l	100
68) m/p-Xylenes	10.16	106	170897	40.683	ug/l	99
69) o-Xylene	10.74	106	92778	19.719	ug/l	90
70) Styrene	10.81	104	131990	20.547	ug/l	97
71) Bromoform	10.80	173	25351	20.688	ug/l	99
73) Isopropylbenzene	11.15	105	277459	21.186	ug/l	98
74) N-amyl acetate	11.39	43	65177	21.567	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.72	83	45087	20.892	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	31784	19.600	ug/l	98
77) Bromobenzene	11.52	156	59722	21.518	ug/l	92
78) n-propylbenzene	11.62	91	314071	20.296	ug/l	96
79) 2-Chlorotoluene	11.74	91	178013	20.016	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	225377	21.579	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.90	75	20853	26.520	ug/l	96
82) 4-Chlorotoluene	11.93	91	187809	20.552	ug/l	96
83) tert-Butylbenzene	12.15	119	224733	20.572	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	211967	19.586	ug/l	98
85) sec-Butylbenzene	12.33	105	315713	21.130	ug/l	99
86) p-Isopropyltoluene	12.48	119	256413	20.673	ug/l	97
87) 1,3-Dichlorobenzene	12.50	146	109359	20.080	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	107392	20.583	ug/l	96
89) n-Butylbenzene	12.86	91	259876	20.213	ug/l	96
90) Hexachloroethane	12.94	117	61363	20.194	ug/l	90
91) 1,2-Dichlorobenzene	12.96	146	106331	20.595	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8177	20.175	ug/l	81

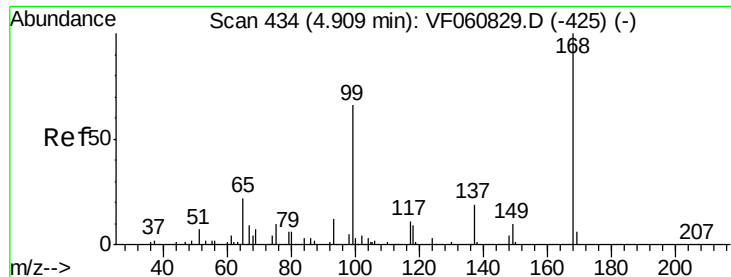
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	74683	20.435	ug/l	98
94) Hexachlorobutadiene	14.21	225	47351	19.971	ug/l	95
95) Naphthalene	14.48	128	152522	22.816	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	67429	20.139	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

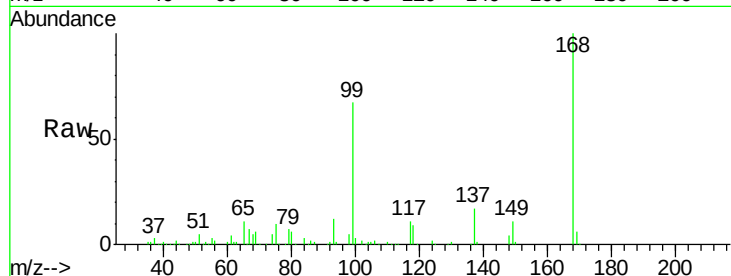
VSTDIC020

Tgt Ion:168 Resp: 197453

Ion Ratio Lower Upper

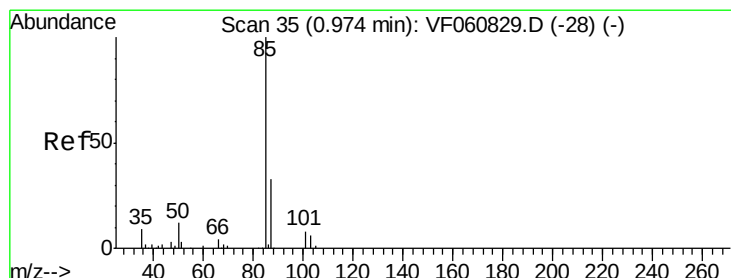
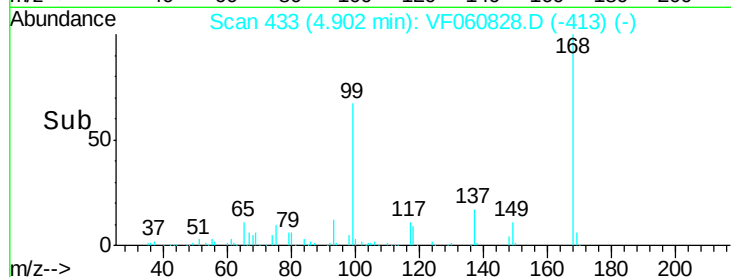
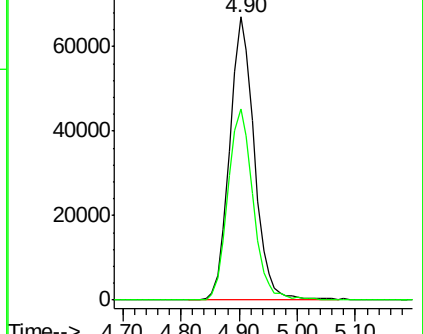
168 100

99 67.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.615 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060828.D

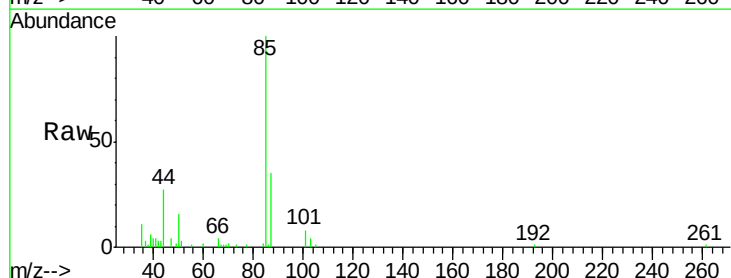
Acq: 26 Nov 2018 18:02

Tgt Ion: 85 Resp: 66857

Ion Ratio Lower Upper

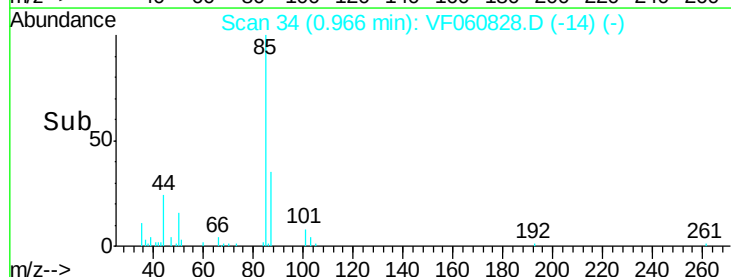
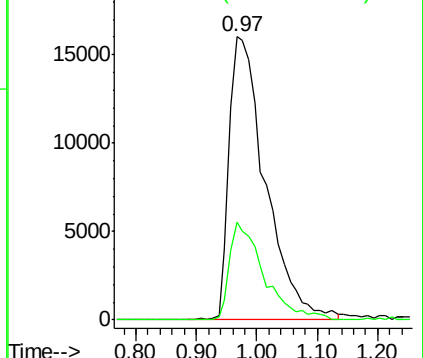
85 100

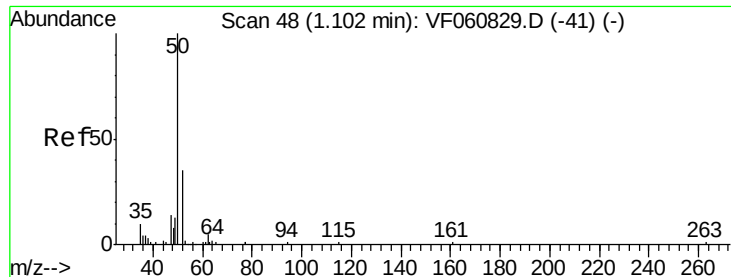
87 34.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.185 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

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ClientSampleId :

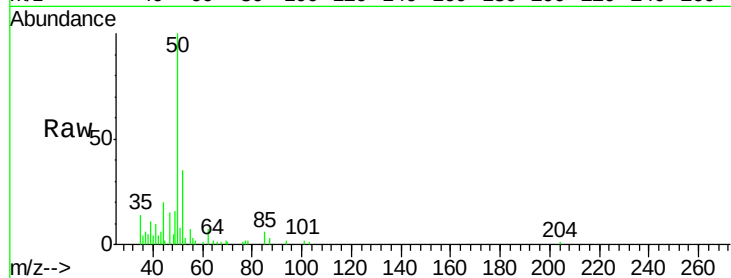
VSTDIC020

Tgt Ion: 50 Resp: 42238

Ion Ratio Lower Upper

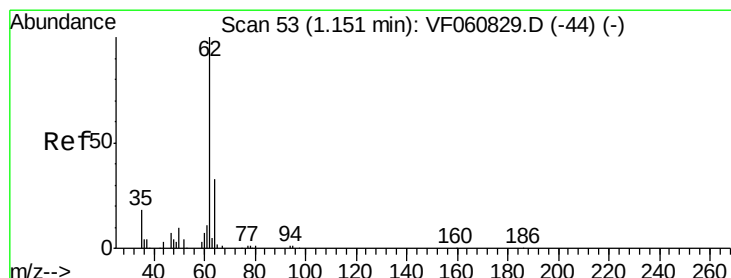
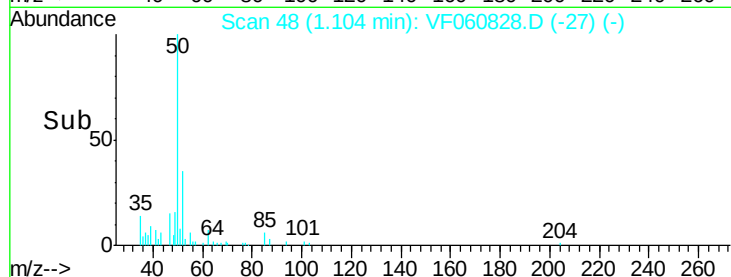
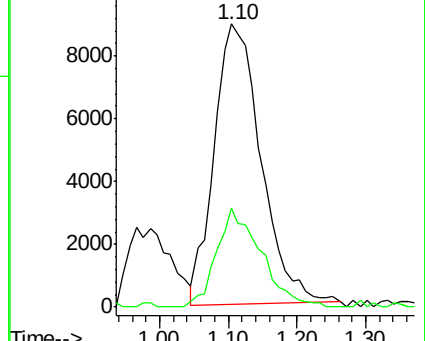
50 100

52 34.9 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.917 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060828.D

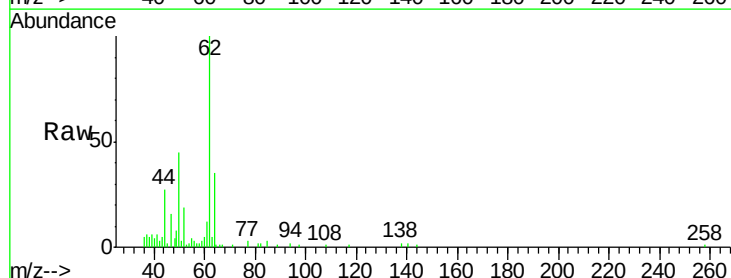
Acq: 26 Nov 2018 18:02

Tgt Ion: 62 Resp: 37901

Ion Ratio Lower Upper

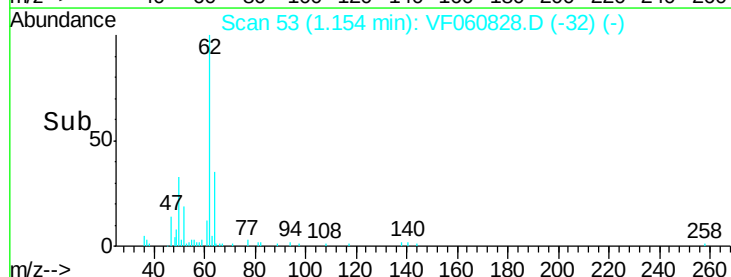
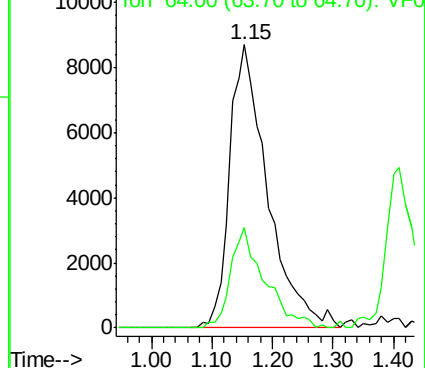
62 100

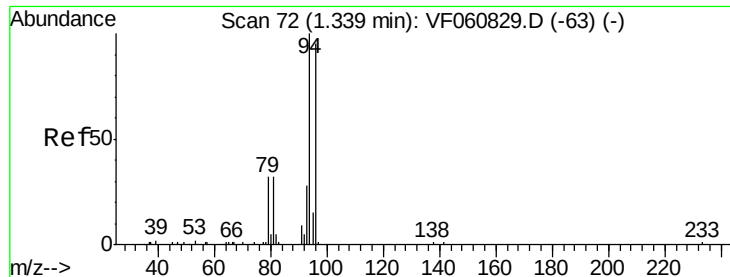
64 35.4 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.137 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

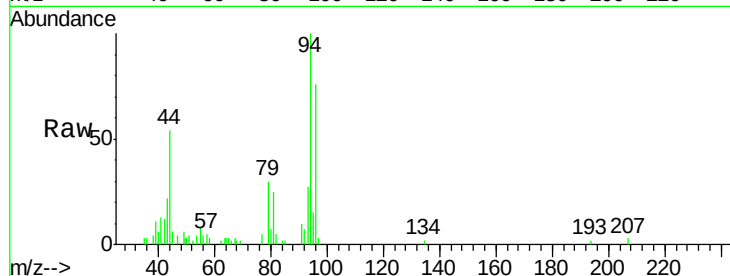
VSTDIC020

Tgt Ion: 94 Resp: 26047

Ion Ratio Lower Upper

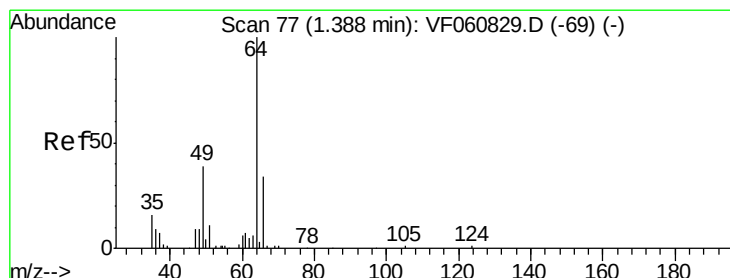
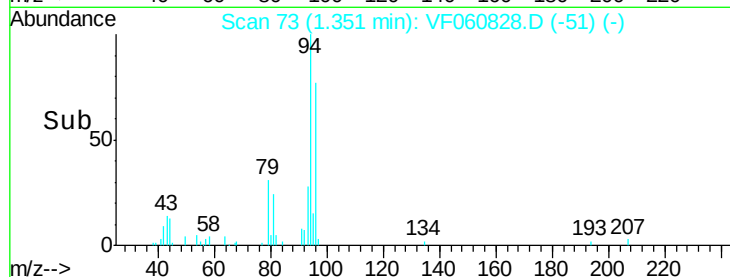
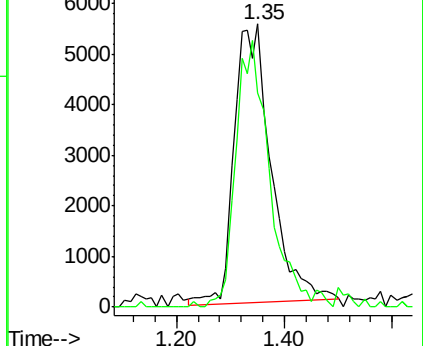
94 100

96 75.7 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.655 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060828.D

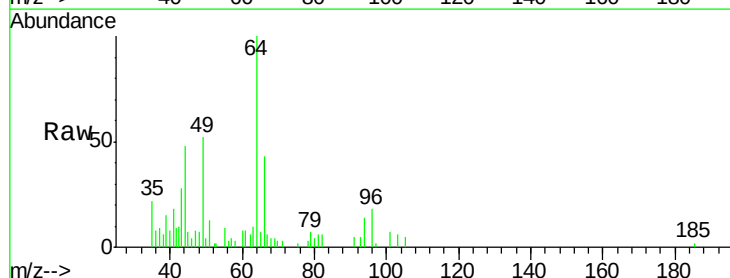
Acq: 26 Nov 2018 18:02

Tgt Ion: 64 Resp: 16127

Ion Ratio Lower Upper

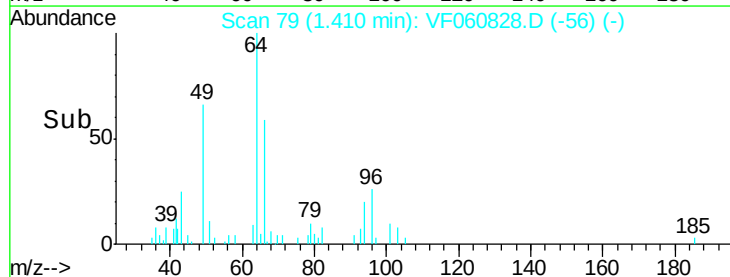
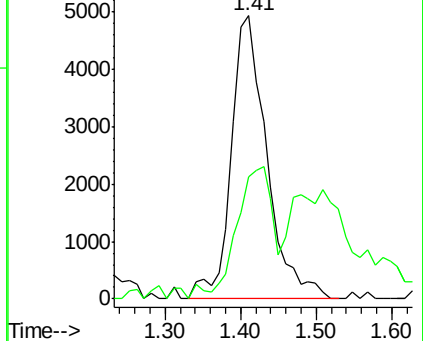
64 100

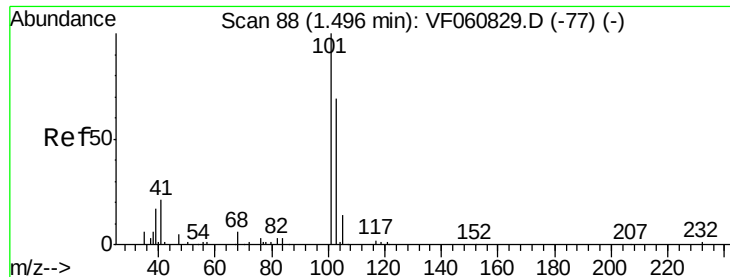
66 43.4 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 13.621 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.00 min

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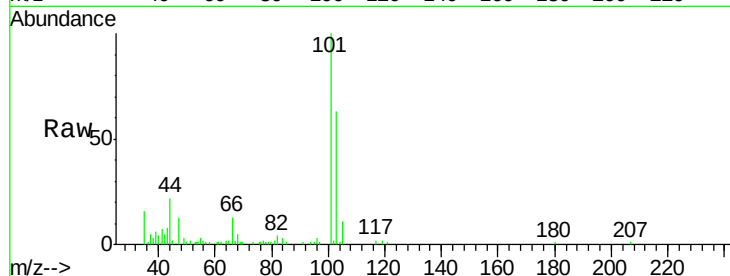
VSTDIC020

Tgt Ion:101 Resp: 57036

Ion Ratio Lower Upper

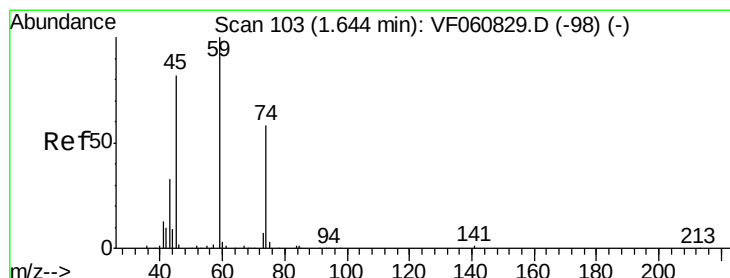
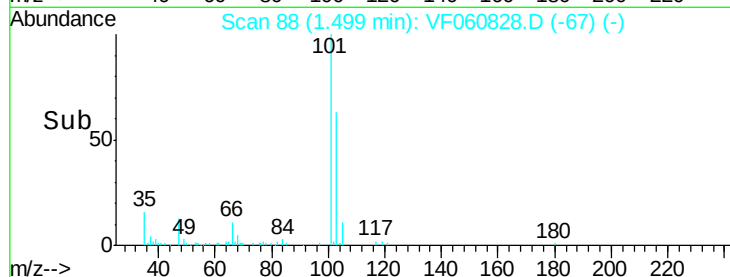
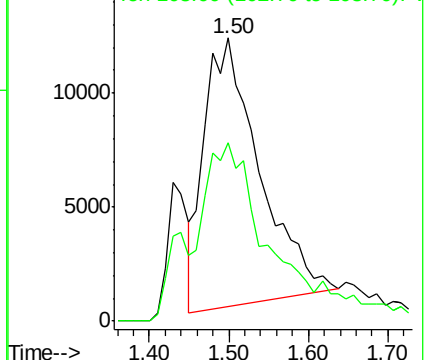
101 100

103 63.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.604 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.00 min

Lab File: VF060828.D

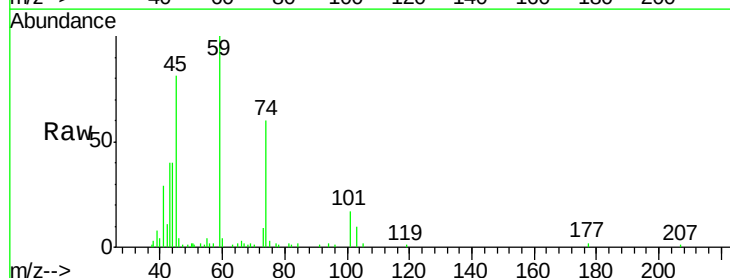
Acq: 26 Nov 2018 18:02

Tgt Ion: 74 Resp: 11818

Ion Ratio Lower Upper

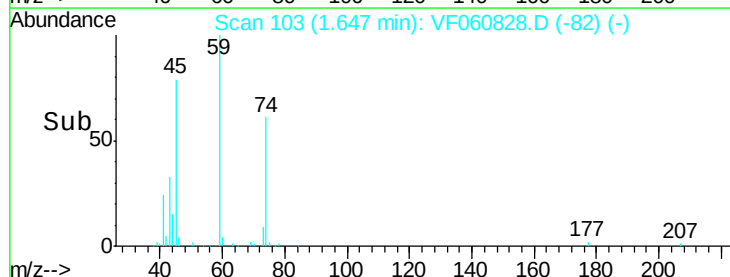
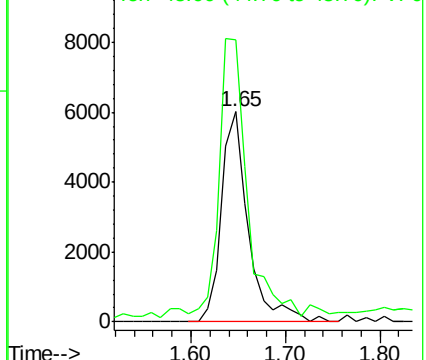
74 100

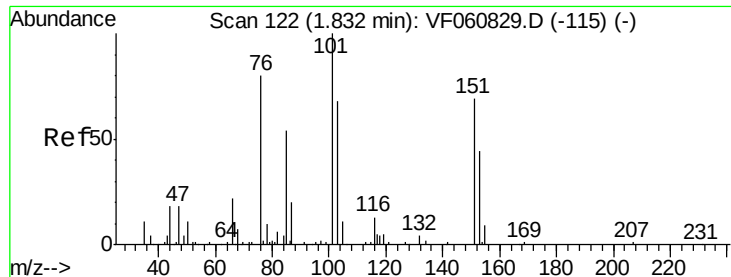
45 134.0 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.140 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060828.D

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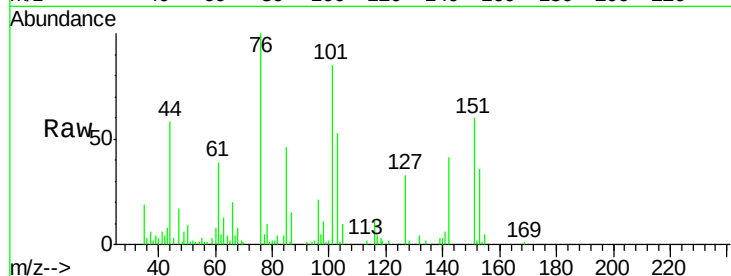
Tgt Ion:101 Resp: 40468

Ion Ratio Lower Upper

101 100

85 54.6 42.8 64.2

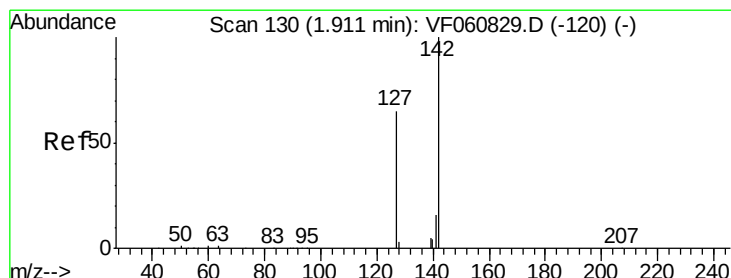
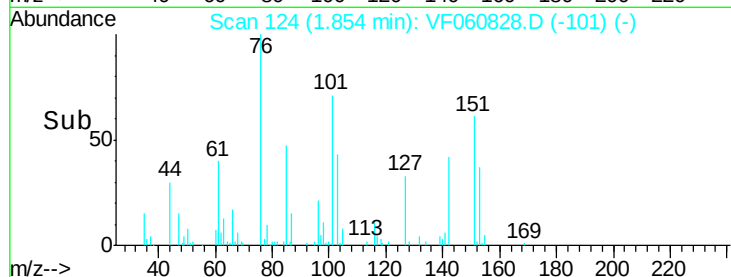
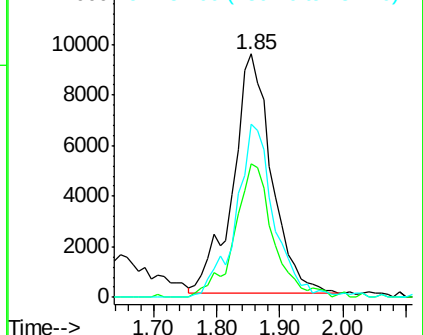
151 71.1 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.435 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

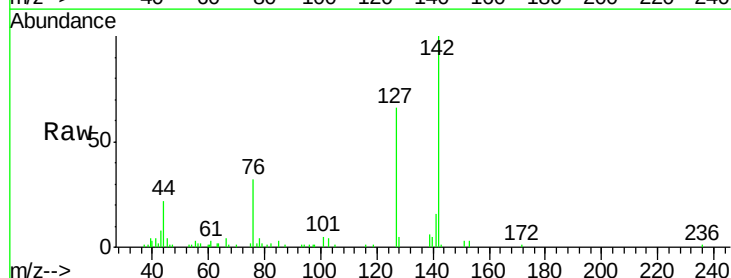
Tgt Ion:142 Resp: 52611

Ion Ratio Lower Upper

142 100

127 65.7 51.9 77.9

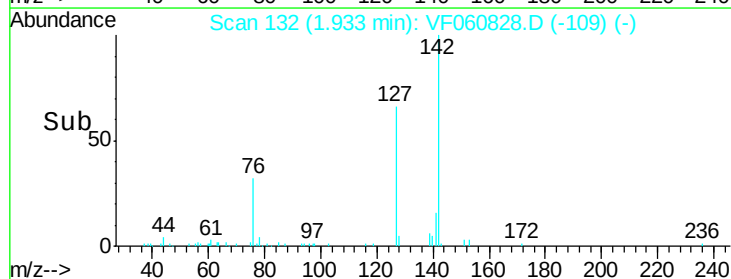
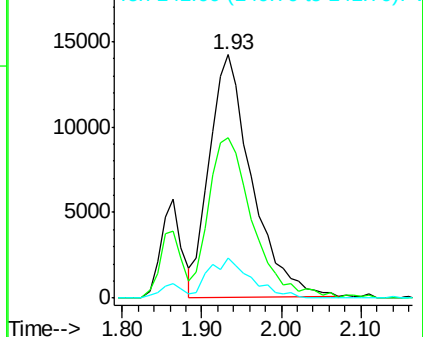
141 16.5 12.7 19.1

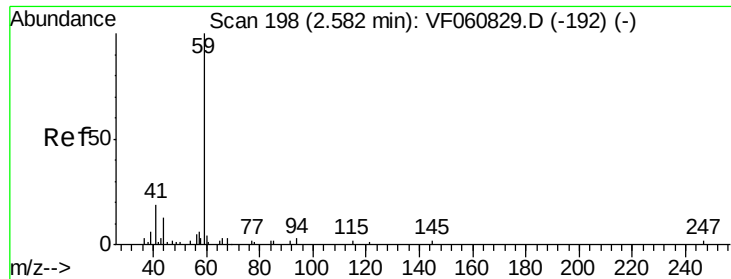


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

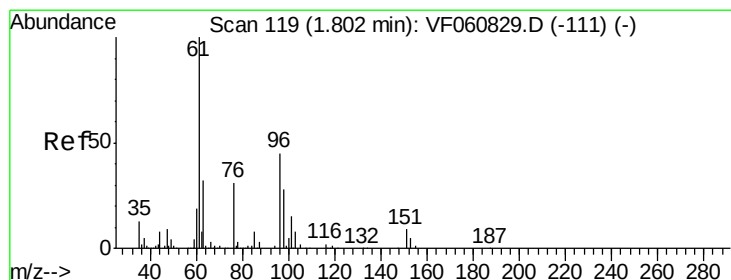
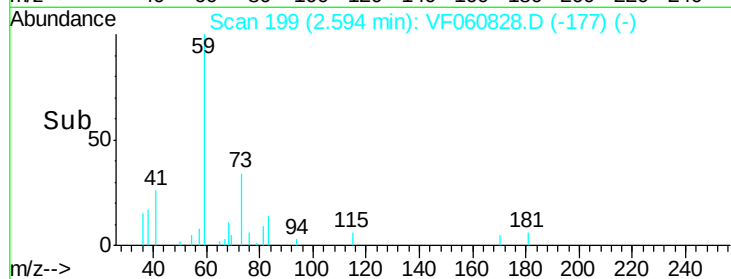
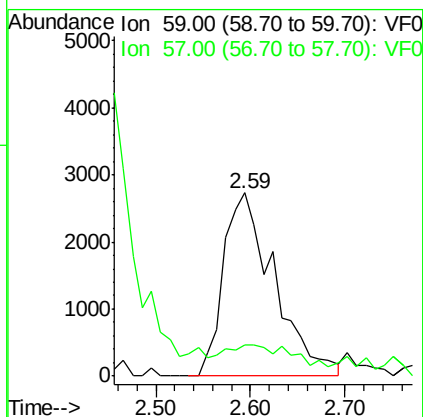
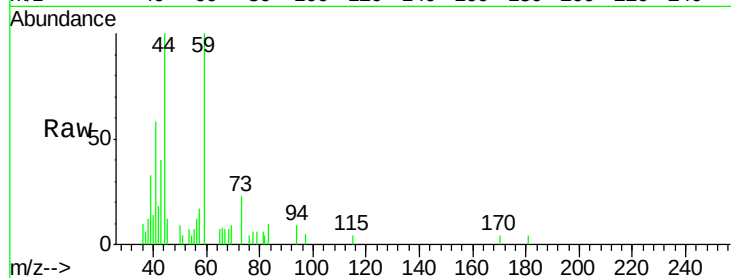




#11
Tert butyl alcohol
Concen: 100.750 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

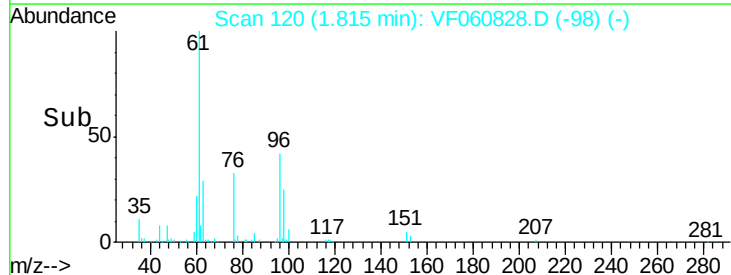
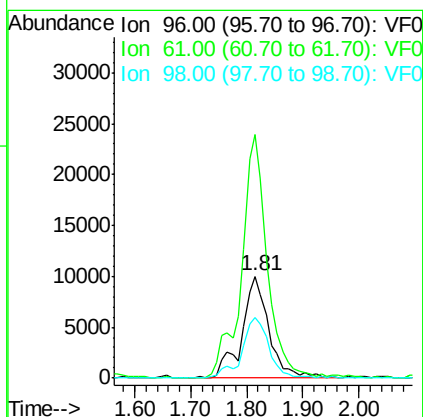
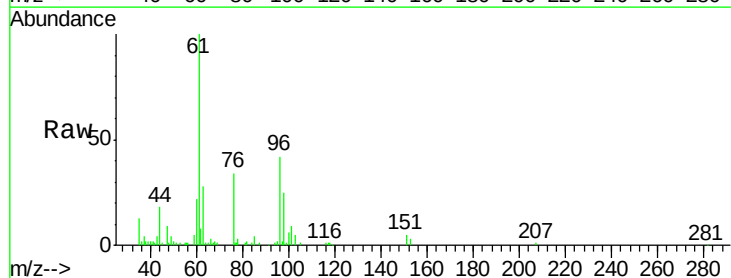
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

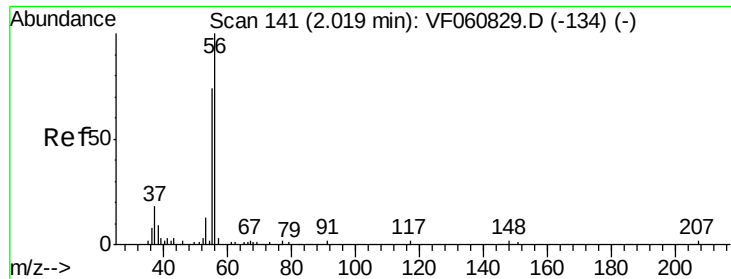
Tgt Ion: 59 Resp: 10173
Ion Ratio Lower Upper
59 100
57 17.3 12.7 19.1



#12
1,1-Dichloroethene
Concen: 20.989 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 96 Resp: 33577
Ion Ratio Lower Upper
96 100
61 239.4 177.3 265.9
98 59.6 49.6 74.4

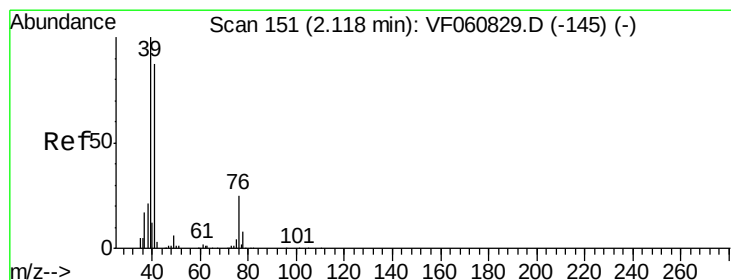
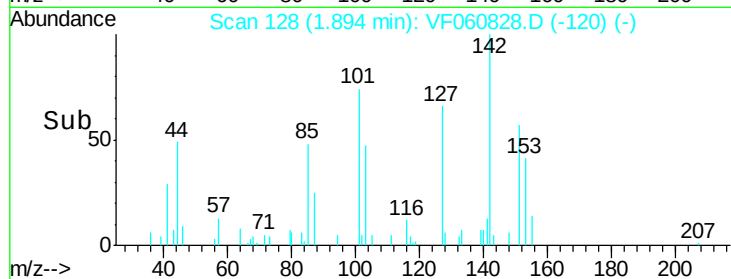
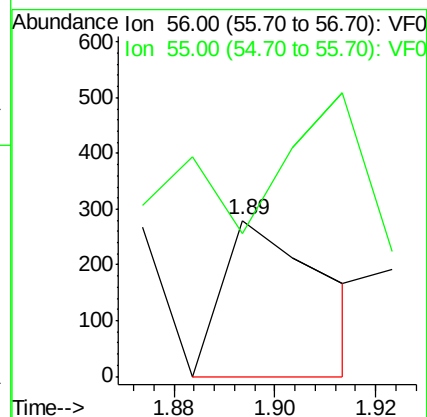
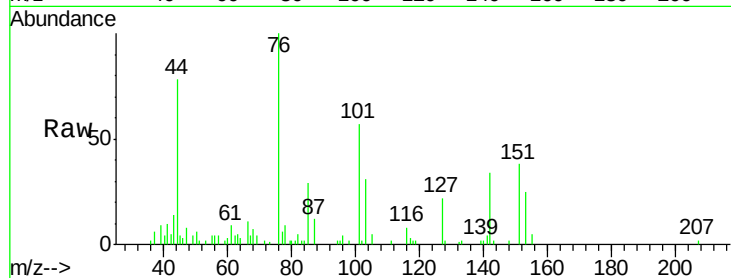




#13
Acrolein
Concen: 4.095 ug/l
RT: 1.89 min Scan# 128
Delta R.T. -0.13 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

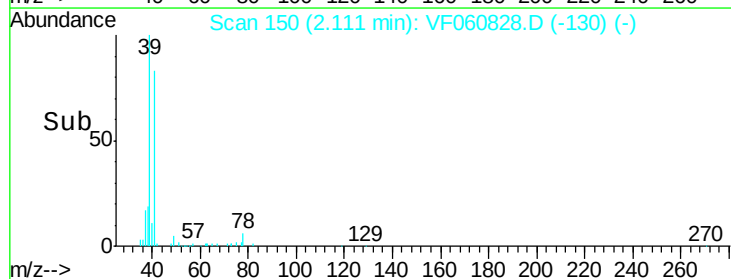
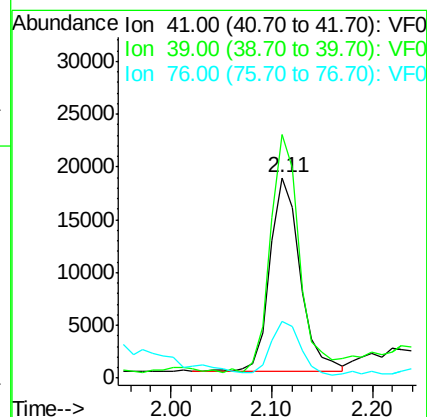
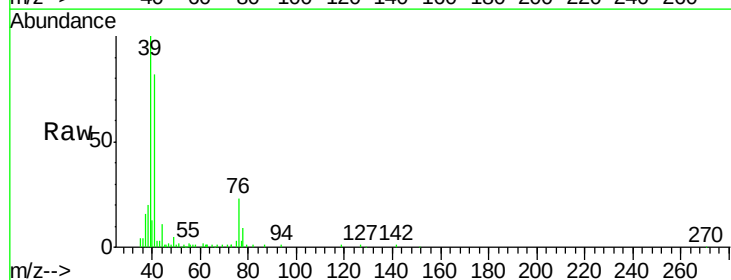
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

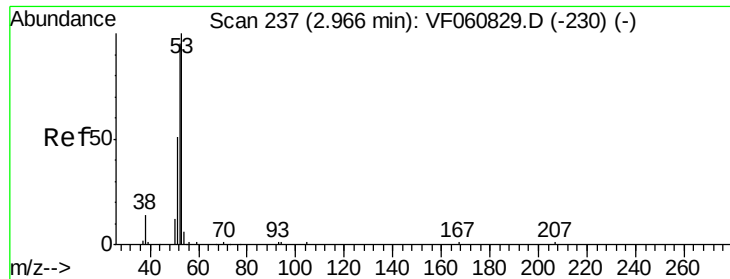
Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 91.4 61.2 91.8



#14
Allyl chloride
Concen: 13.663 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 41 Resp: 38049
Ion Ratio Lower Upper
41 100
39 121.3 91.7 137.5
76 28.1 23.5 35.3





#15

Acrylonitrile

Concen: 106.158 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

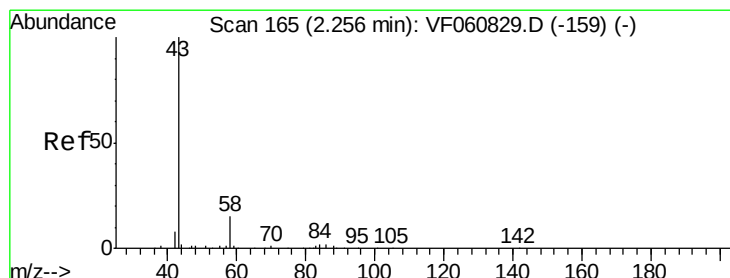
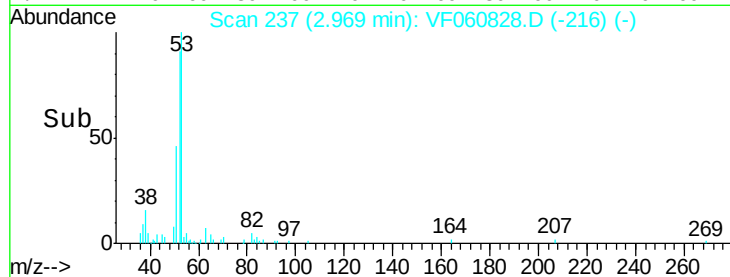
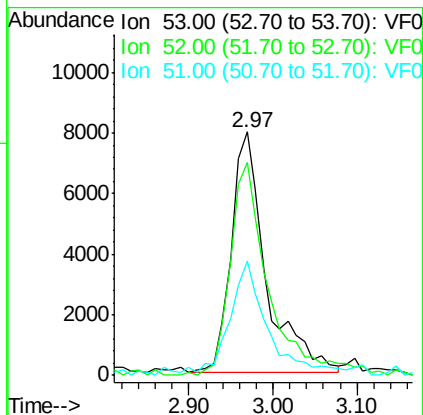
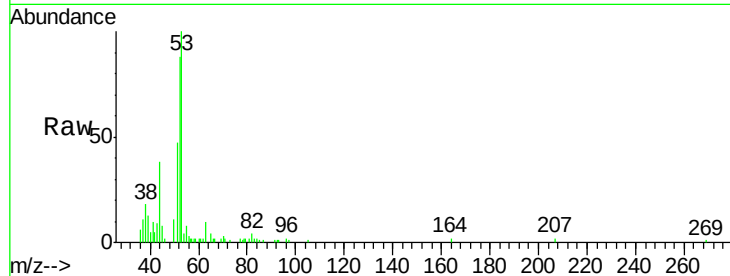
Tgt Ion: 53 Resp: 22899

Ion Ratio Lower Upper

53 100

52 87.7 76.5 114.7

51 46.9 40.7 61.1



#16

Acetone

Concen: 99.144 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060828.D

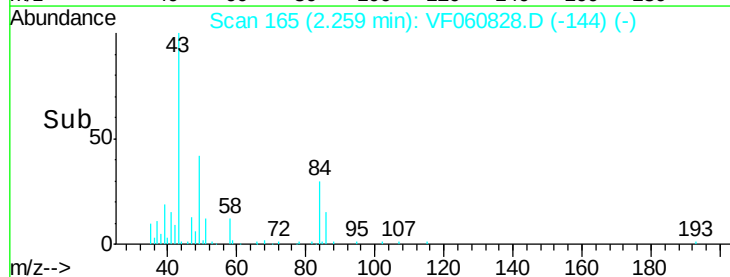
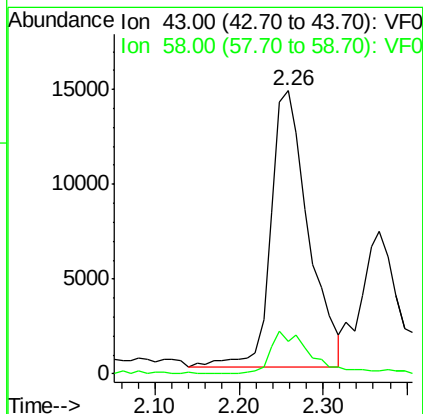
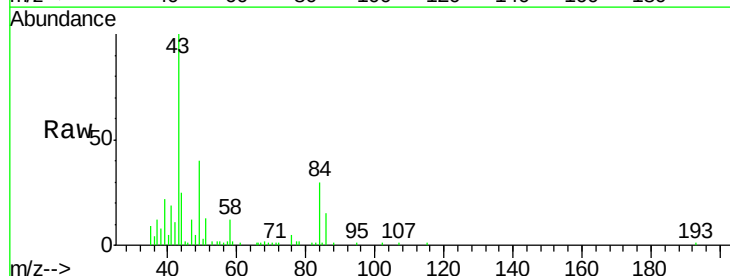
Acq: 26 Nov 2018 18:02

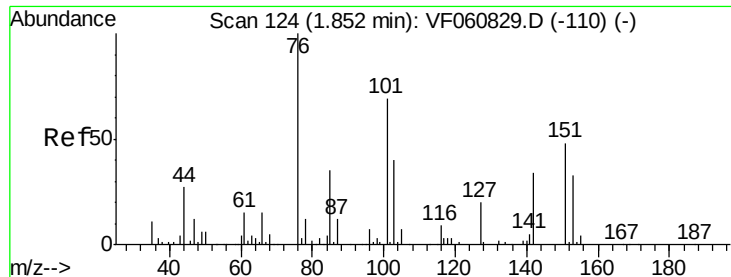
Tgt Ion: 43 Resp: 45761

Ion Ratio Lower Upper

43 100

58 11.7 11.4 17.2





#17

Carbon Disulfide

Concen: 15.221 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

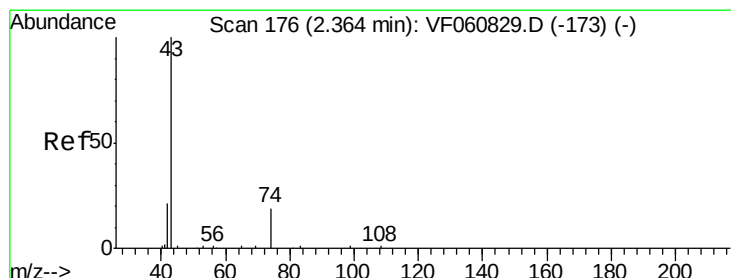
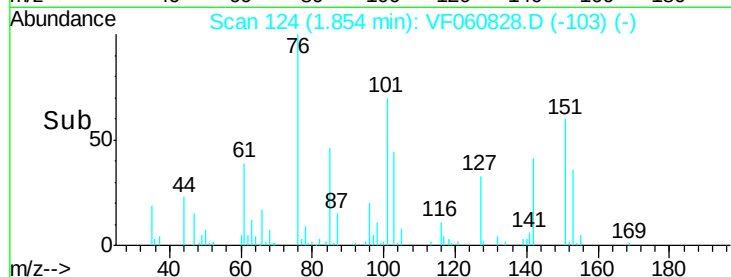
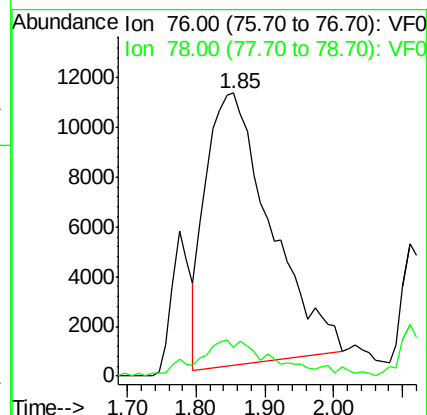
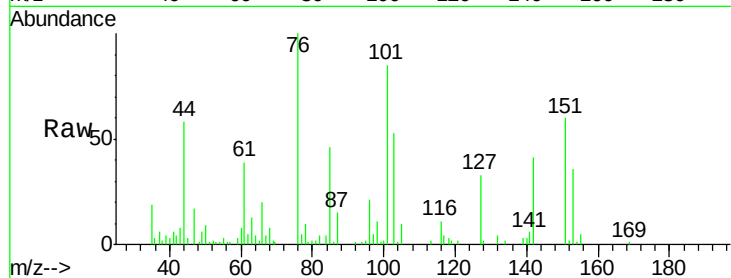
VSTDIC020

Tgt Ion: 76 Resp: 71470

Ion Ratio Lower Upper

76 100

78 10.2 10.2 15.2



#18

Methyl Acetate

Concen: 20.269 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.00 min

Lab File: VF060828.D

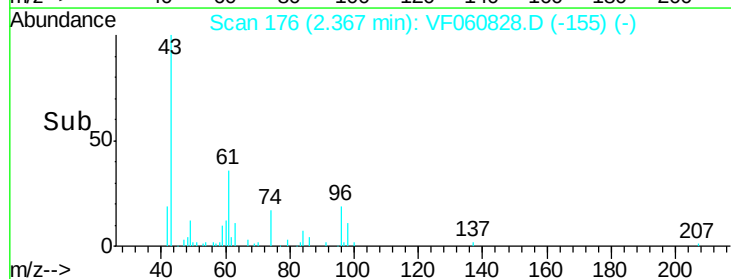
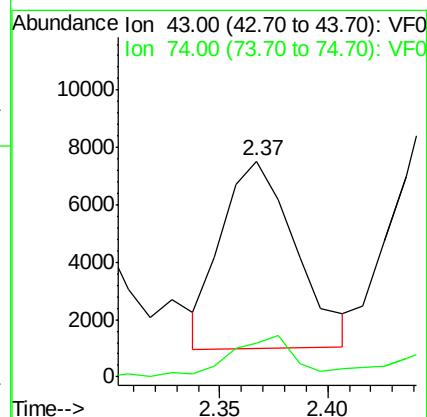
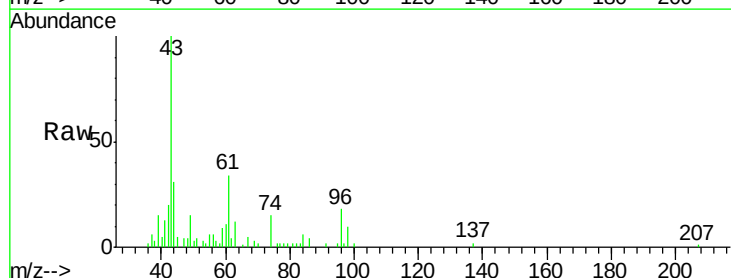
Acq: 26 Nov 2018 18:02

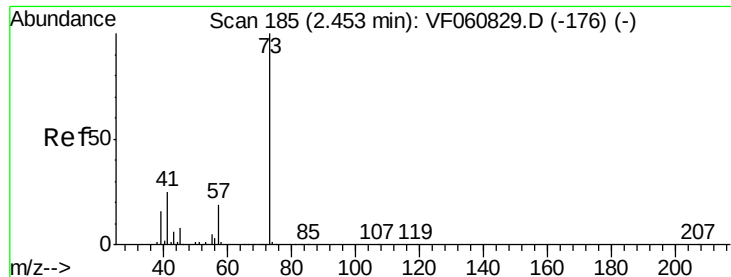
Tgt Ion: 43 Resp: 15626

Ion Ratio Lower Upper

43 100

74 15.5 13.3 19.9

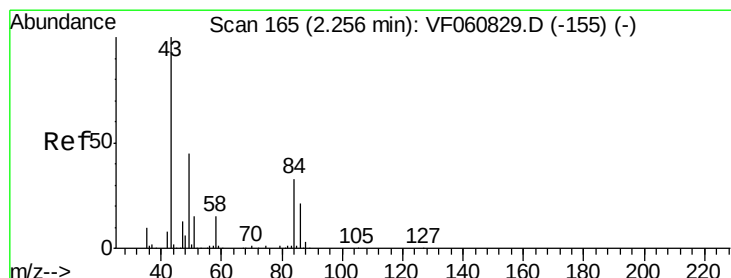
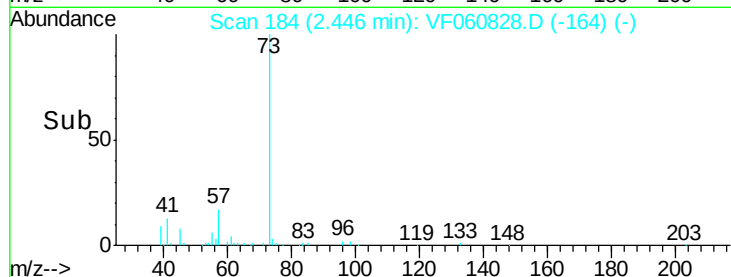
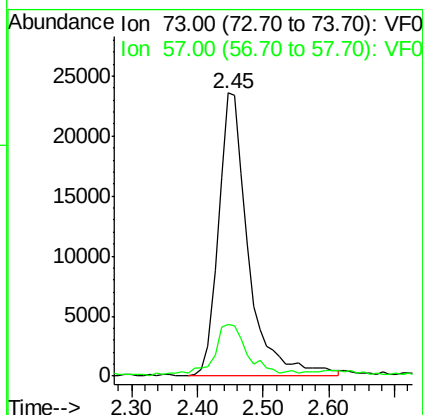
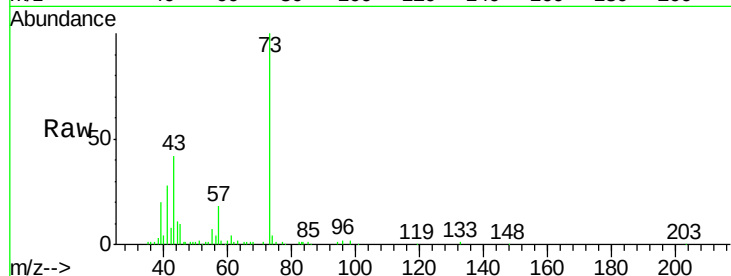




#19
Methyl tert-butyl Ether
Concen: 19.806 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

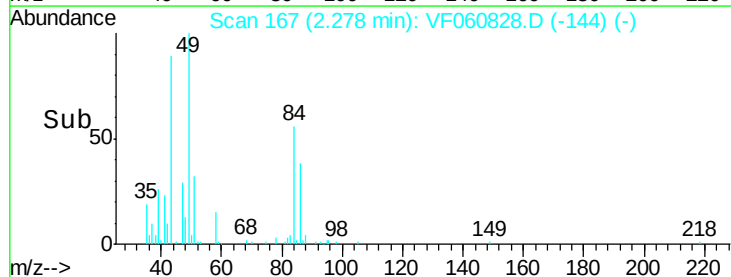
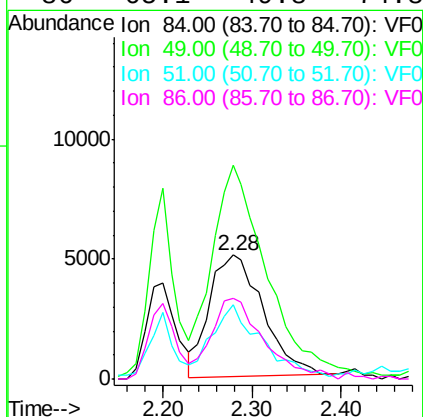
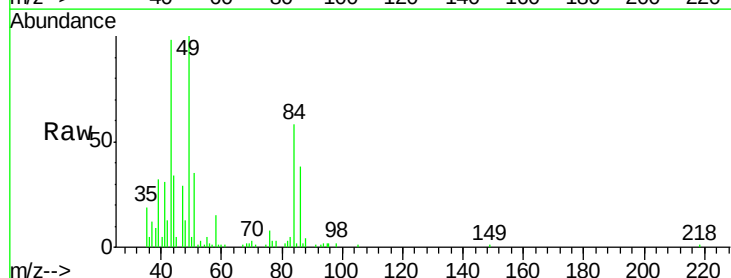
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

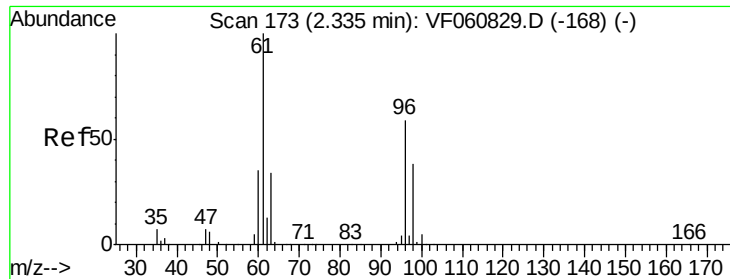
Tgt Ion: 73 Resp: 74756
Ion Ratio Lower Upper
73 100
57 18.1 15.3 22.9



#20
Methylene Chloride
Concen: 12.002 ug/l
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 84 Resp: 21329
Ion Ratio Lower Upper
84 100
49 172.7 111.3 166.9#
51 59.8 38.0 57.0#
86 65.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 14.282 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

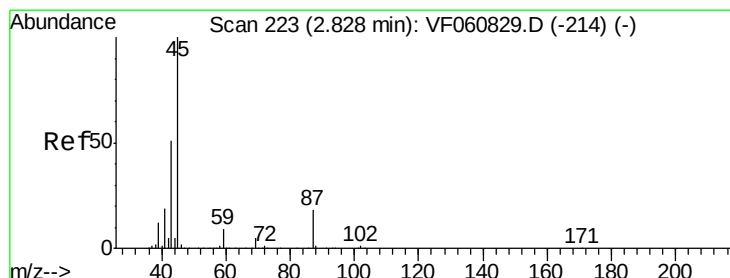
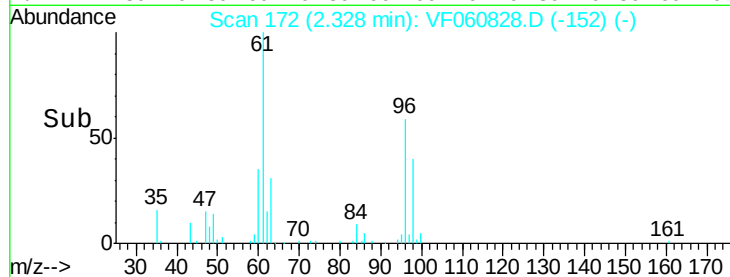
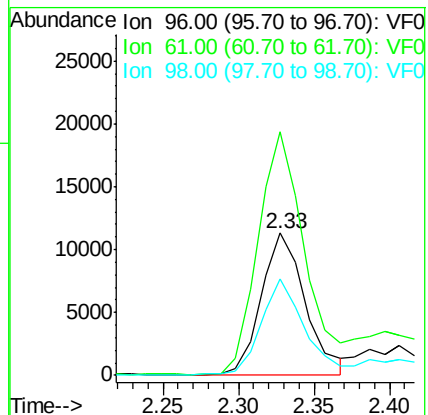
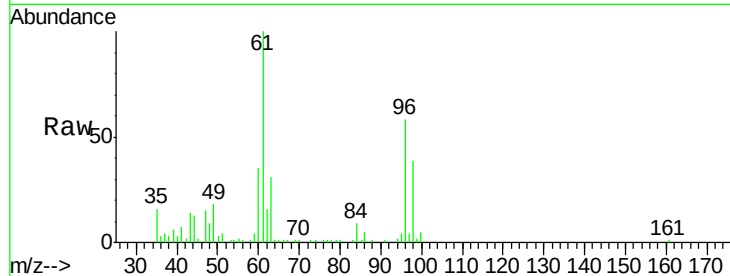
Tgt Ion: 96 Resp: 23269

Ion Ratio Lower Upper

96 100

61 171.4 134.5 201.7

98 67.5 51.6 77.4



#22

Diisopropyl ether

Concen: 20.966 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Tgt Ion: 45 Resp: 112926

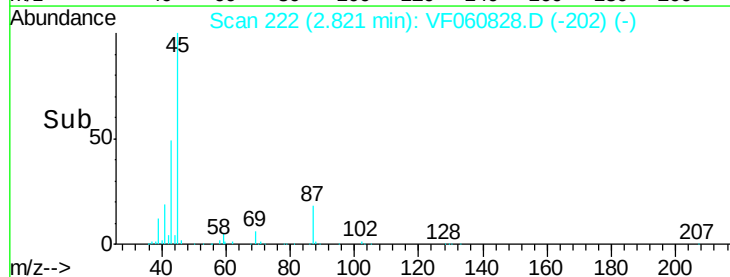
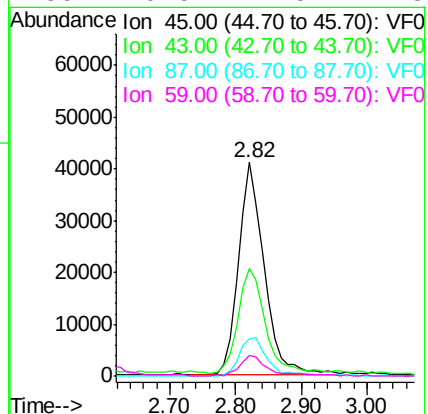
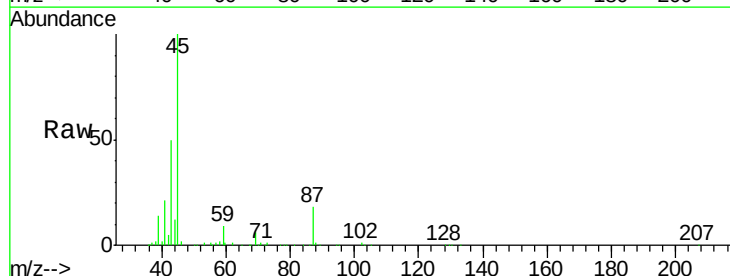
Ion Ratio Lower Upper

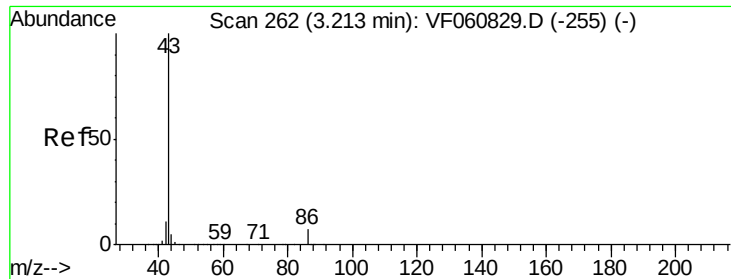
45 100

43 50.4 41.0 61.6

87 17.7 14.6 22.0

59 9.5 7.5 11.3





#23

Vinyl Acetate

Concen: 103.528 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

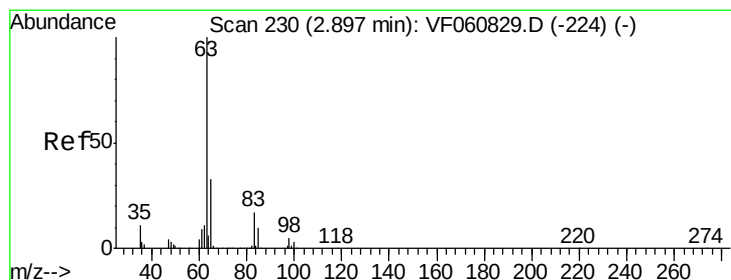
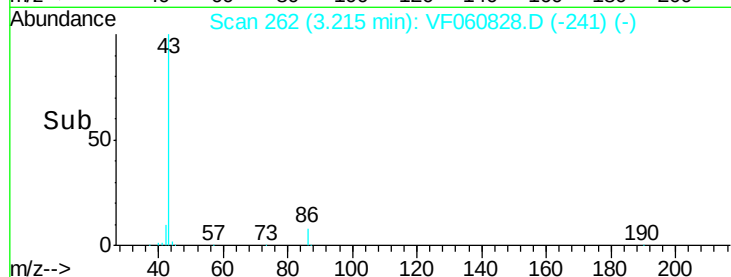
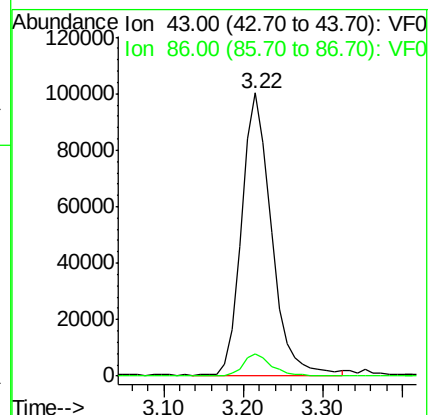
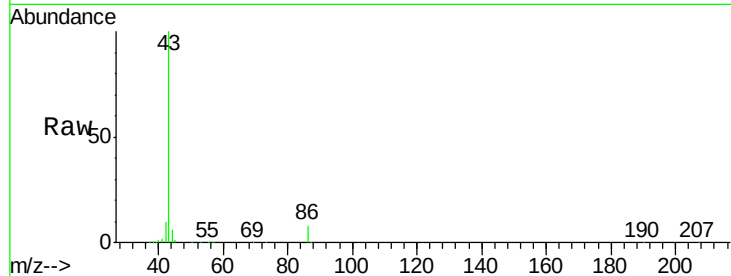
VSTDIC020

Tgt Ion: 43 Resp: 259551

Ion Ratio Lower Upper

43 100

86 7.8 5.4 8.0



#24

1,1-Dichloroethane

Concen: 19.104 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

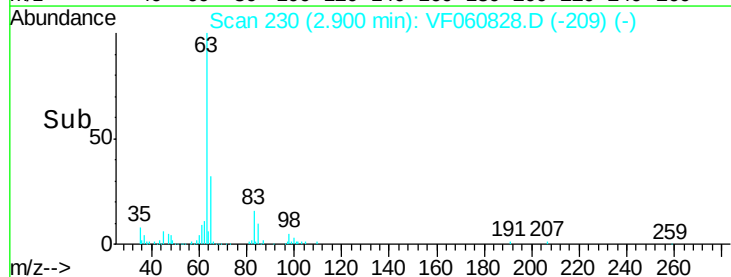
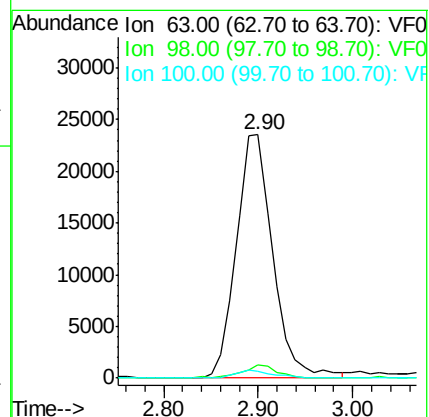
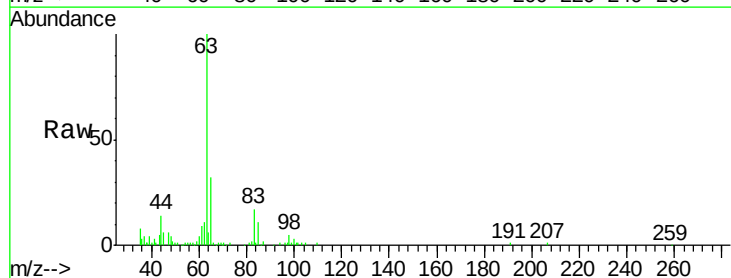
Tgt Ion: 63 Resp: 62904

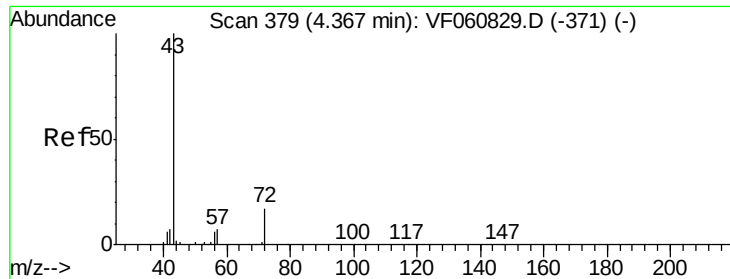
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 98.413 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

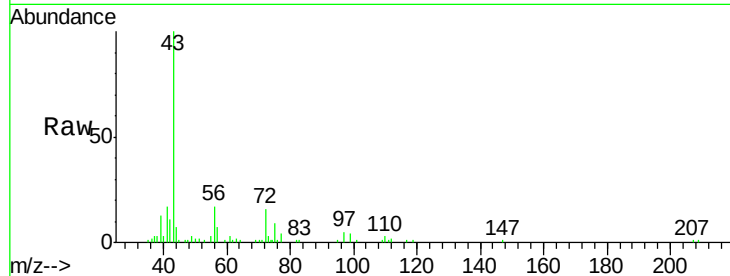
VSTDIC020

Tgt Ion: 43 Resp: 76620

Ion Ratio Lower Upper

43 100

72 16.4 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.37

20000

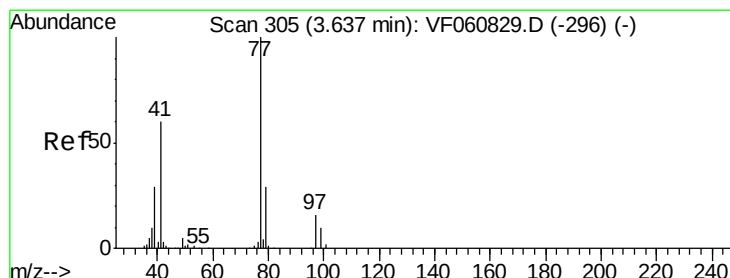
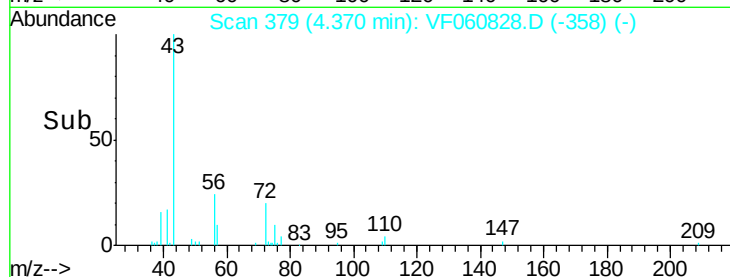
15000

10000

5000

0

Time--> 4.20 4.30 4.40 4.50



#26

2,2-Dichloropropane

Concen: 16.765 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060828.D

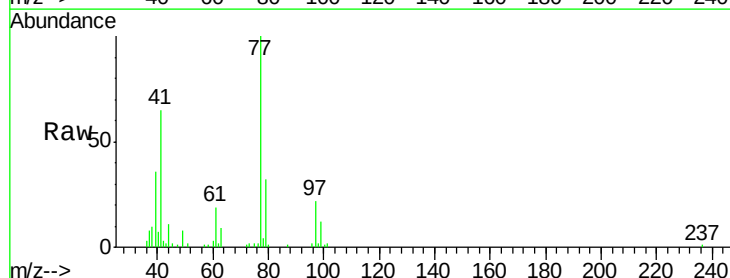
Acq: 26 Nov 2018 18:02

Tgt Ion: 77 Resp: 41987

Ion Ratio Lower Upper

77 100

97 22.3 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.63

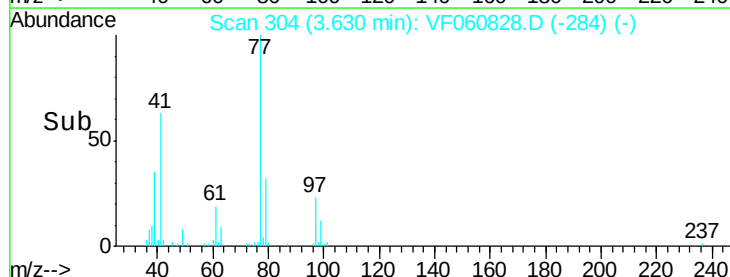
15000

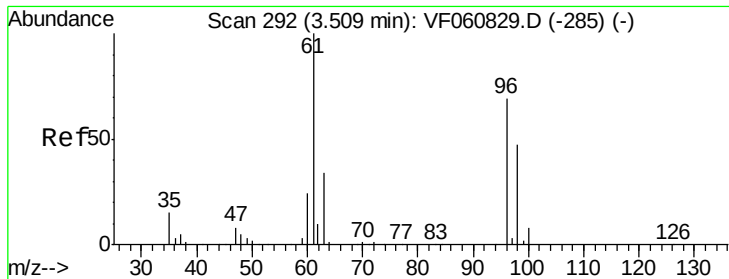
10000

5000

0

Time--> 3.50 3.60 3.70 3.80



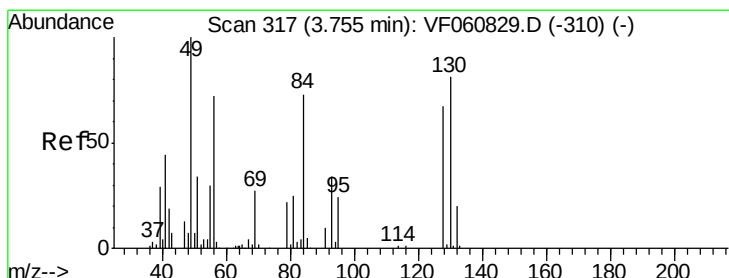
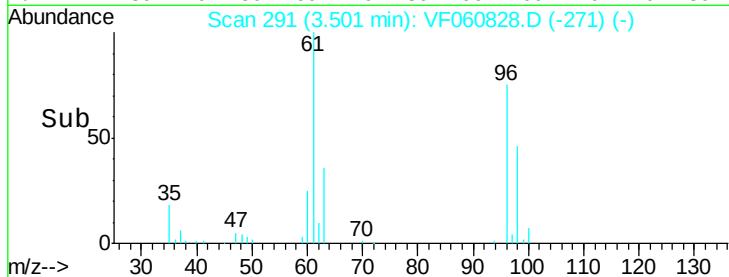
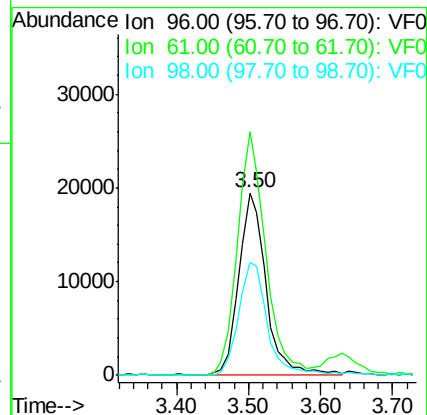
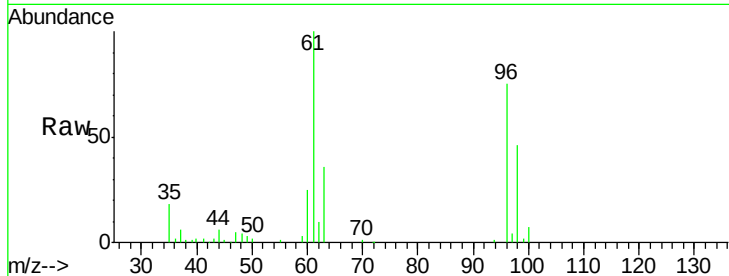


#27

cis-1,2-Dichloroethene
 Concen: 18.699 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

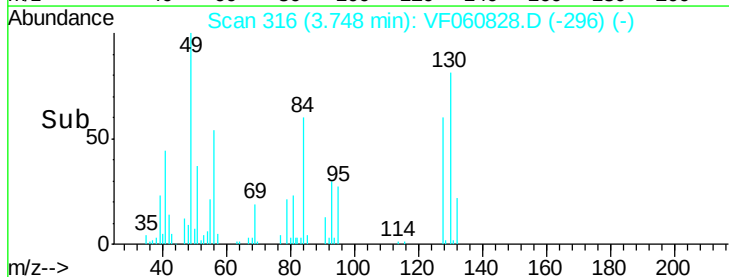
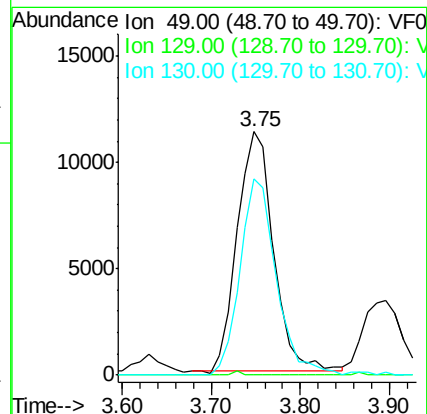
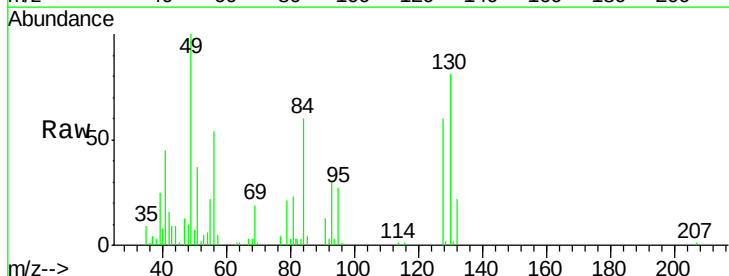
Tgt Ion: 96 Resp: 51764
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 290.6
 98 61.8 0.0 137.8

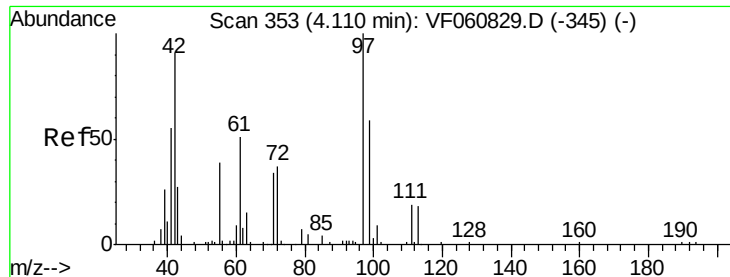


#28

Bromochloromethane
 Concen: 19.333 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion: 49 Resp: 32131
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 80.6 64.2 96.4





#29

Tetrahydrofuran

Concen: 104.886 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

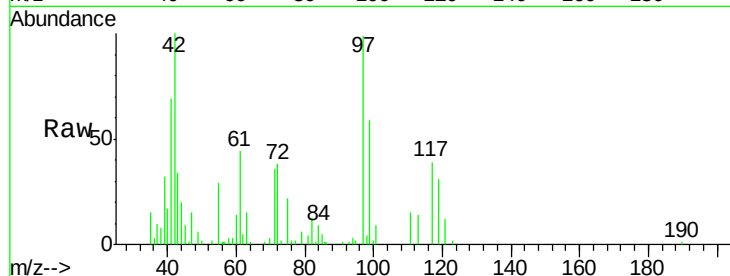
Tgt Ion: 42 Resp: 33741

Ion Ratio Lower Upper

42 100

72 36.7 31.9 47.9

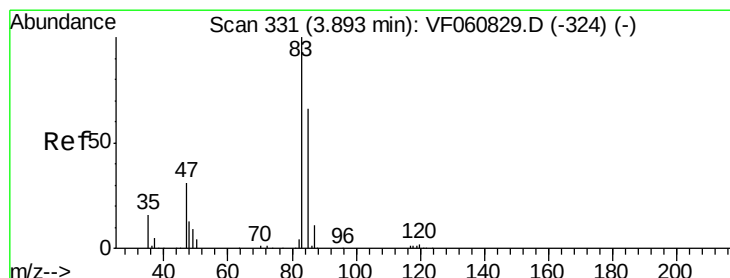
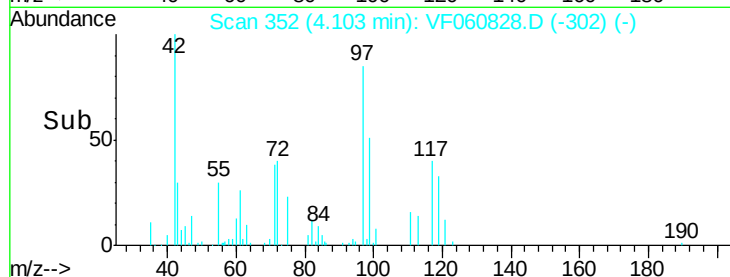
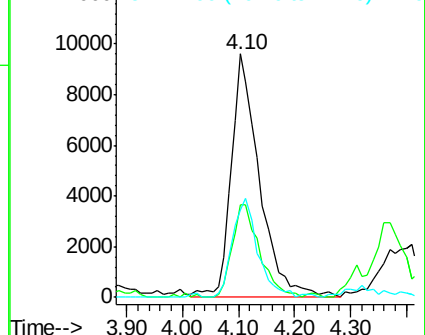
71 36.1 28.7 43.1



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: 20.072 ug/l

RT: 3.90 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF060828.D

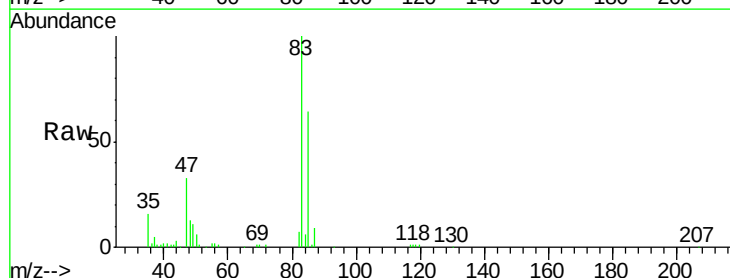
Acq: 26 Nov 2018 18:02

Tgt Ion: 83 Resp: 103406

Ion Ratio Lower Upper

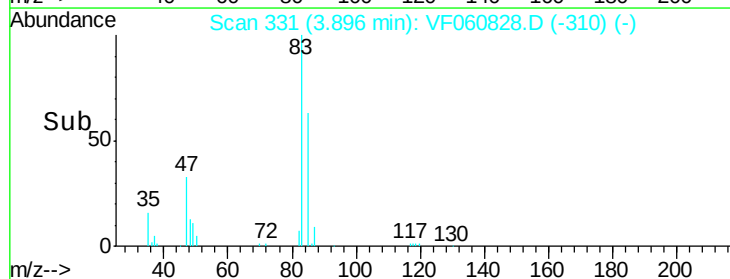
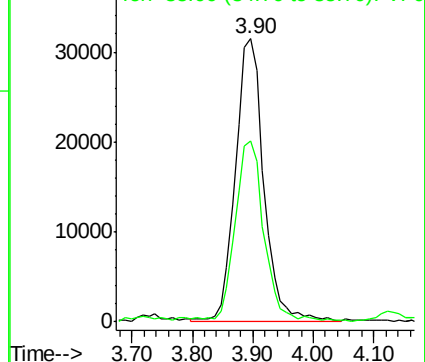
83 100

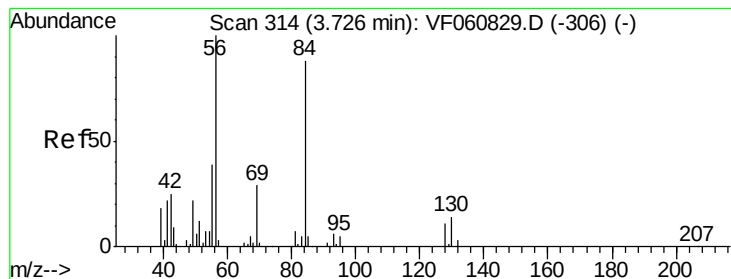
85 64.1 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 11.660 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

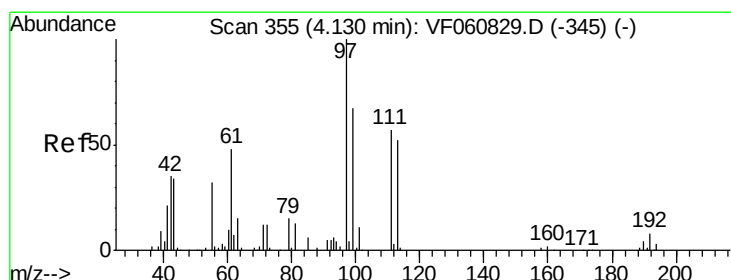
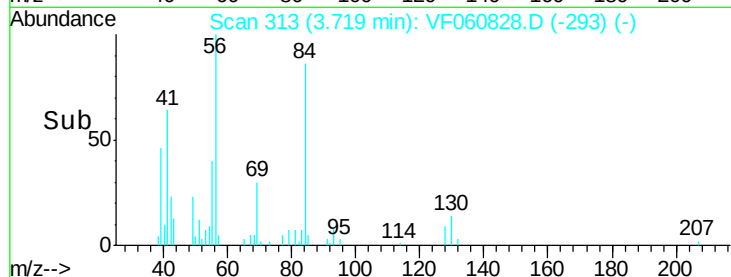
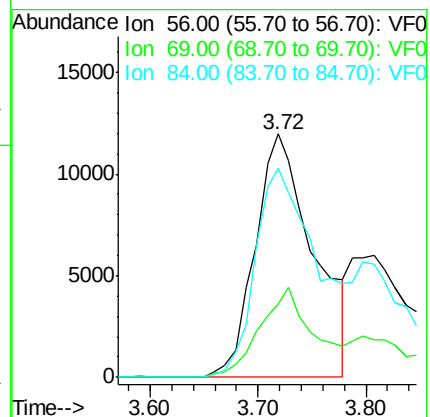
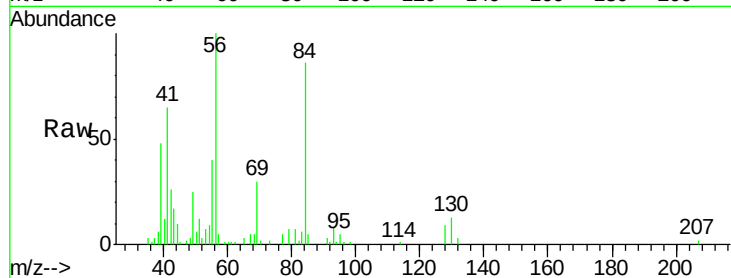
Tgt Ion: 56 Resp: 44989

Ion Ratio Lower Upper

56 100

69 30.2 23.0 34.4

84 85.7 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 15.159 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

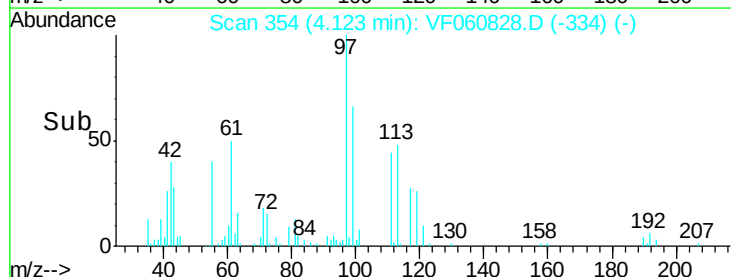
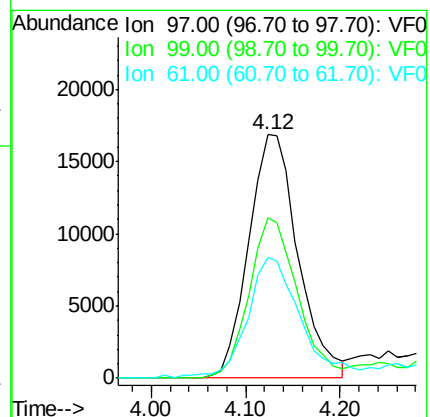
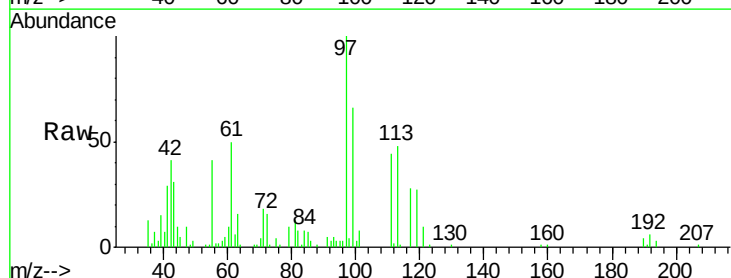
Tgt Ion: 97 Resp: 61305

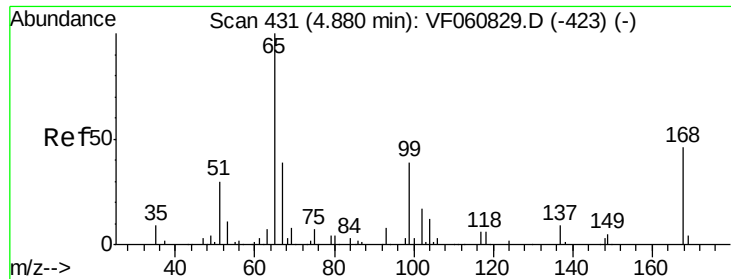
Ion Ratio Lower Upper

97 100

99 65.8 53.5 80.3

61 49.7 38.6 58.0

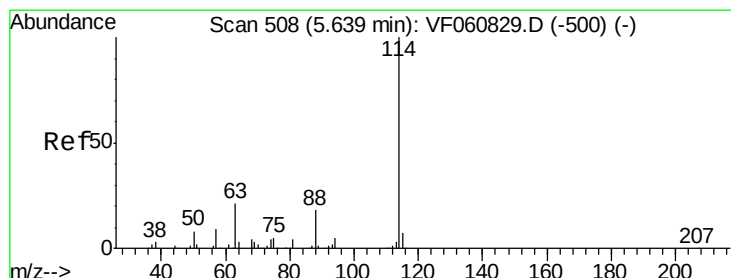
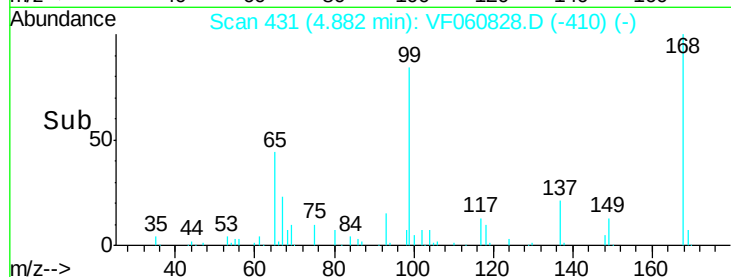
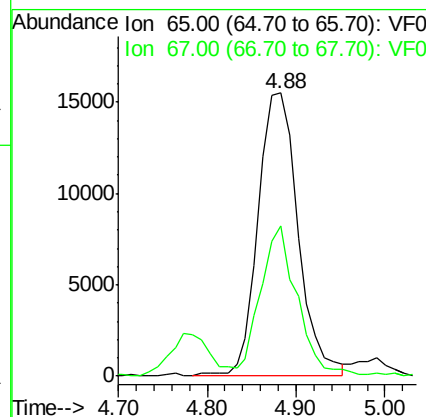
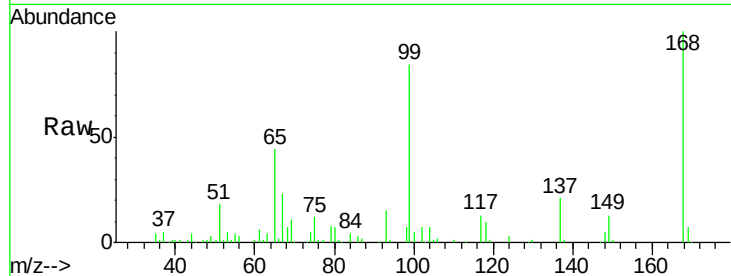




#33
 1,2-Dichloroethane-d4
 Concen: 21.111 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

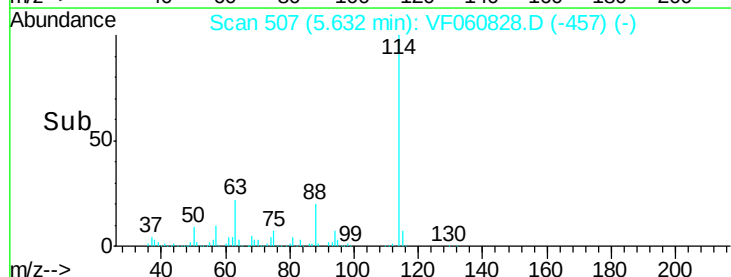
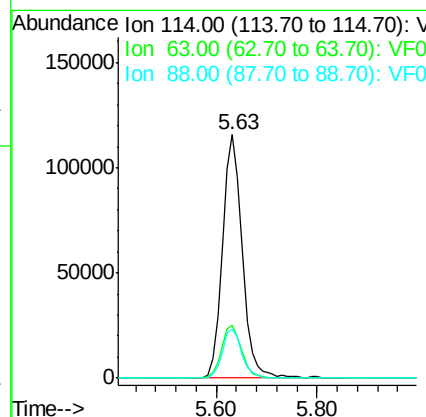
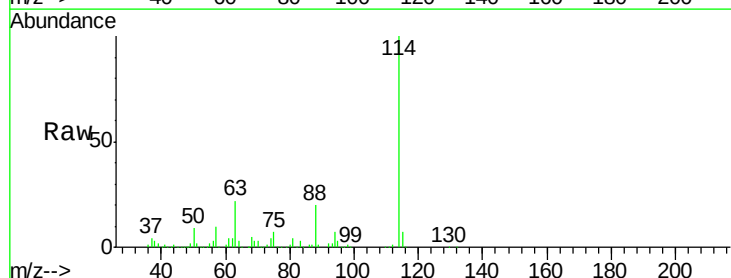
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

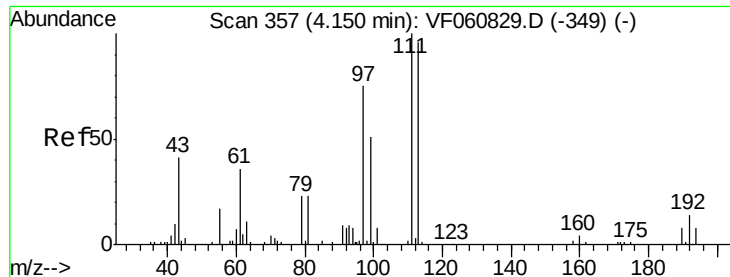
Tgt Ion: 65 Resp: 48286
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion: 114 Resp: 318777
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.6
 88 20.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 20.897 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

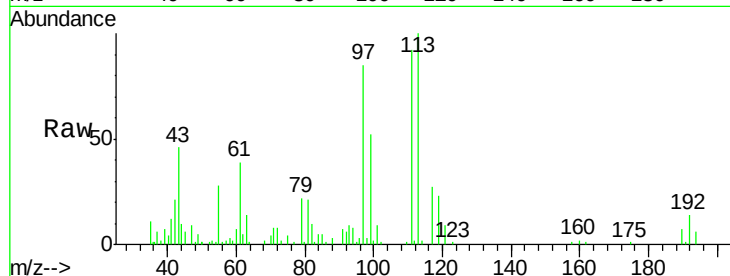
Tgt Ion:113 Resp: 51479

Ion Ratio Lower Upper

113 100

111 92.3 83.0 124.6

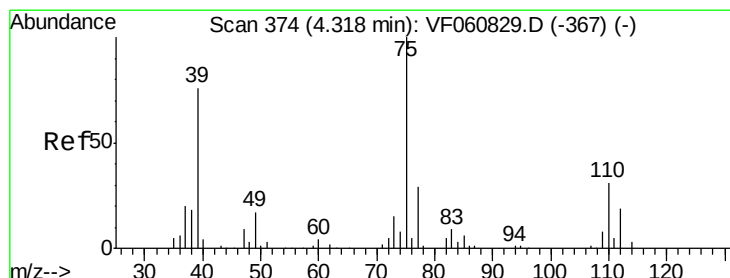
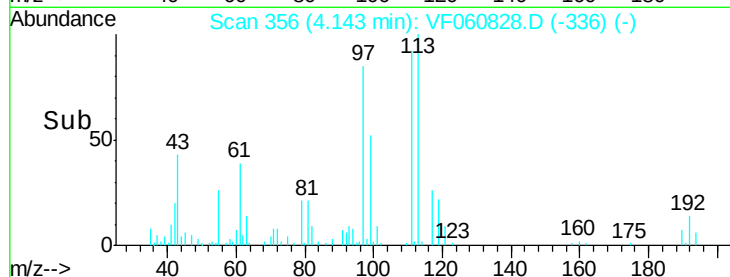
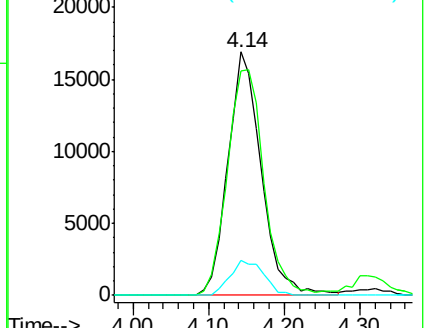
192 14.1 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.659 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

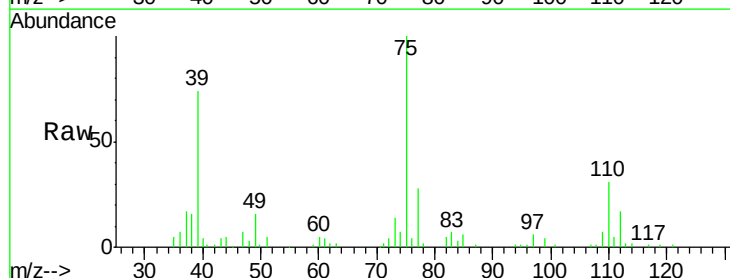
Tgt Ion: 75 Resp: 72312

Ion Ratio Lower Upper

75 100

110 30.7 15.6 46.8

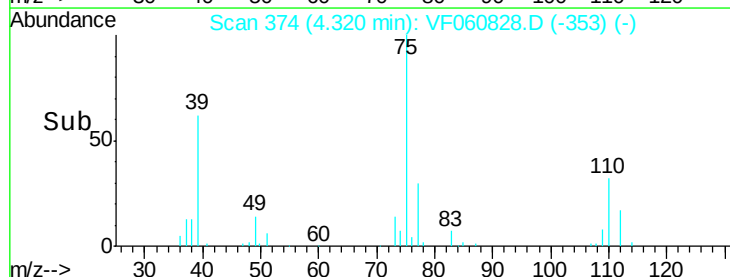
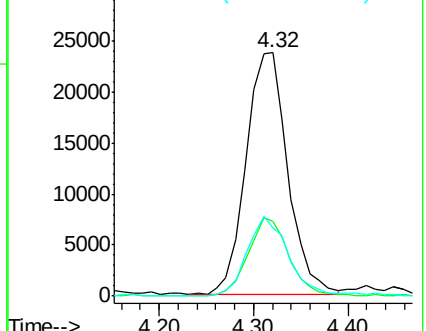
77 28.0 23.4 35.0

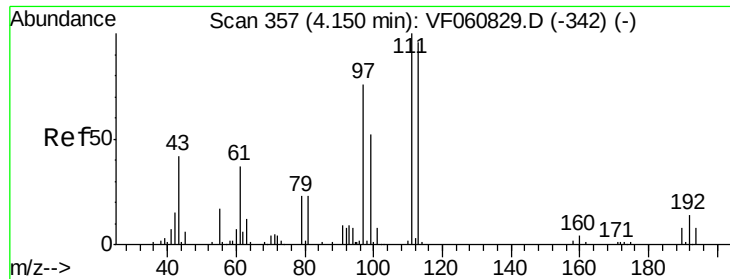


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

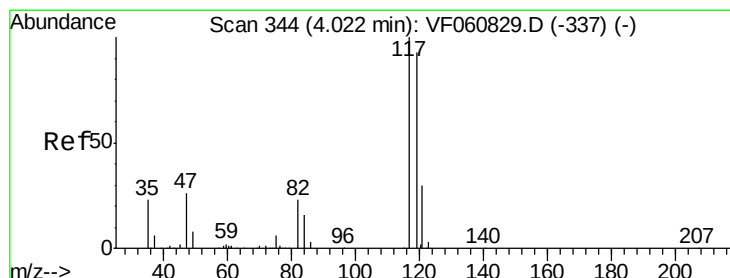
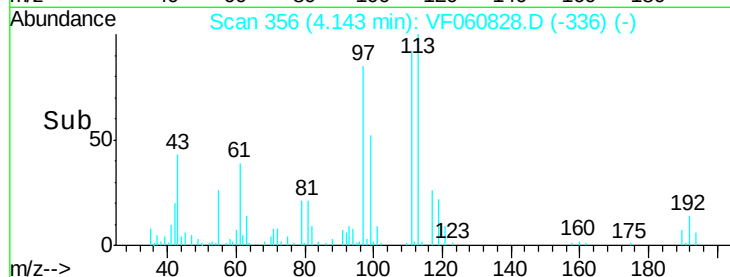
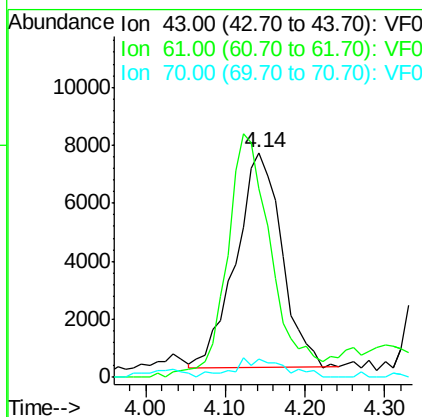
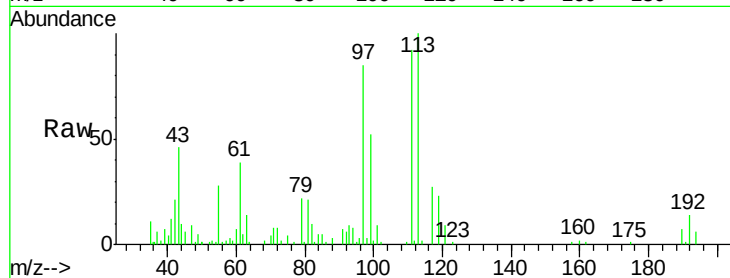




#37
Ethyl Acetate
Concen: 21.457 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

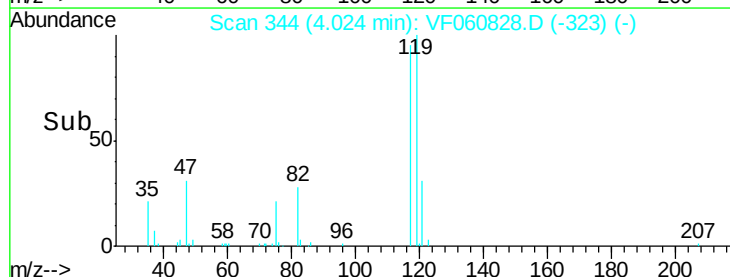
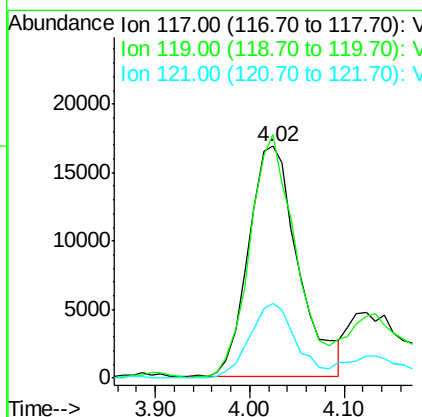
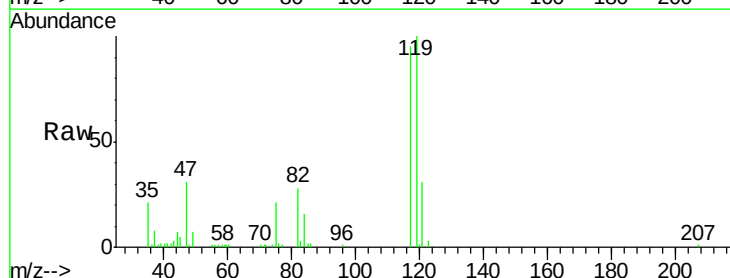
Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

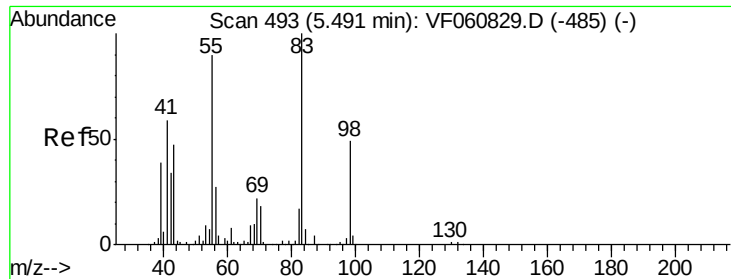
Tgt Ion: 43 Resp: 29782
Ion Ratio Lower Upper
43 100
61 84.2 68.6 103.0
70 8.0 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 17.138 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.00 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 117 Resp: 61308
Ion Ratio Lower Upper
117 100
119 105.0 74.4 111.6
121 32.1 23.5 35.3

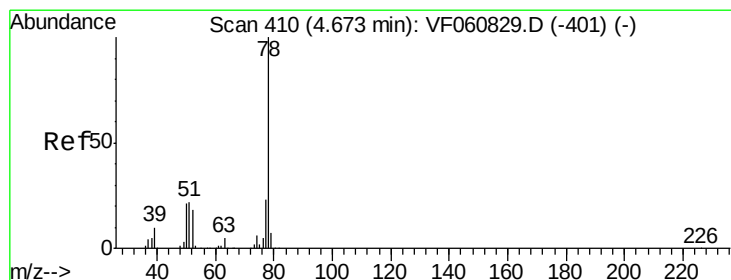
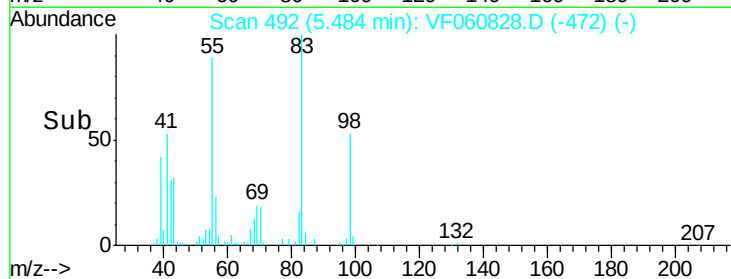
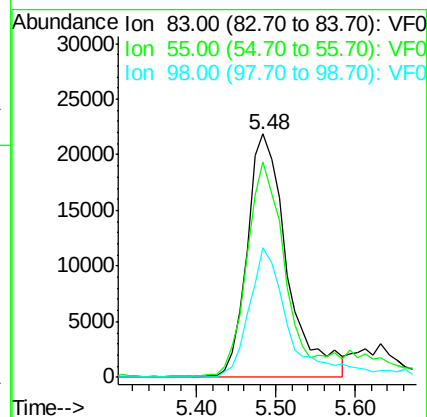
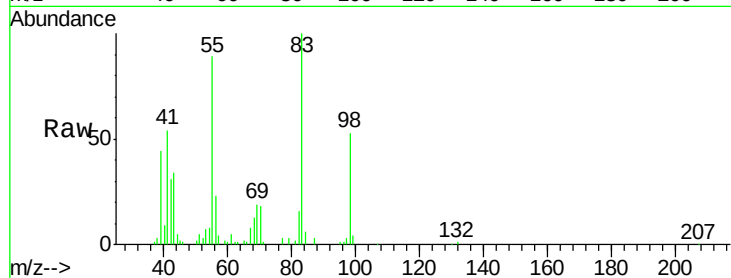




#39
Methylcyclohexane
Concen: 18.143 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

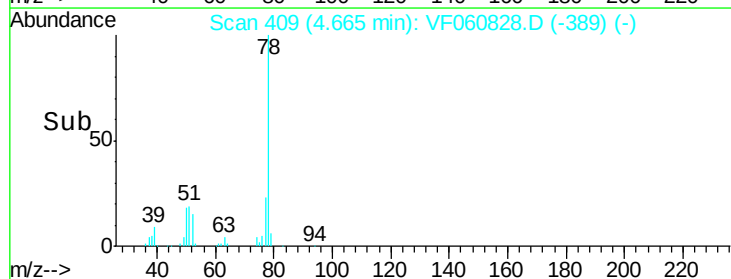
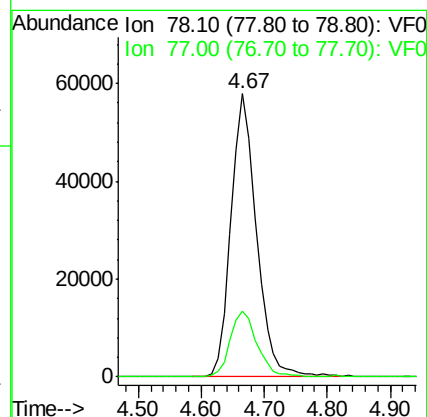
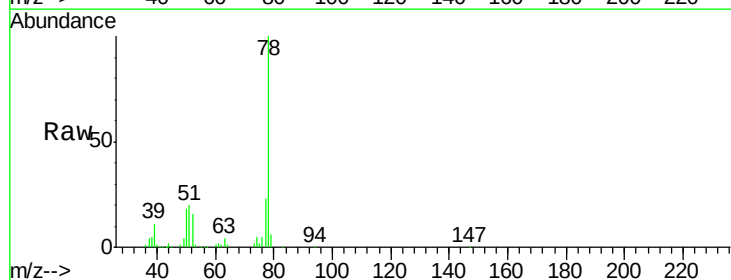
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

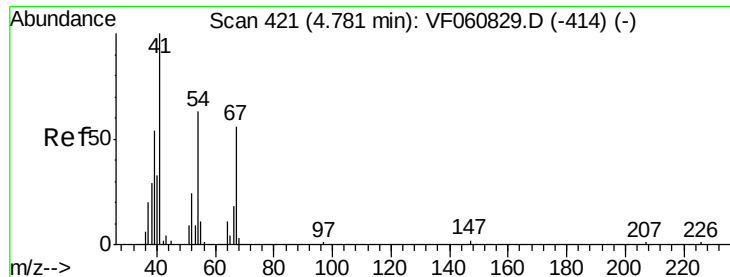
Tgt Ion: 83 Resp: 76075
Ion Ratio Lower Upper
83 100
55 88.7 72.1 108.1
98 53.1 39.1 58.7



#40
Benzene
Concen: 19.934 ug/l
RT: 4.67 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 78 Resp: 163031
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1





#41

Methacrylonitrile

Concen: 19.445 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 16162

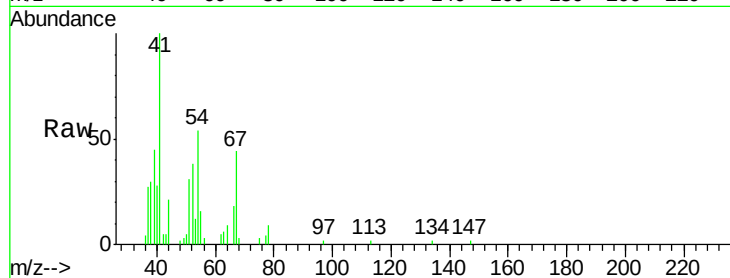
Ion Ratio Lower Upper

41 100

39 44.5 53.0 79.6#

67 43.7 43.8 65.6#

52 37.9 37.8 56.8

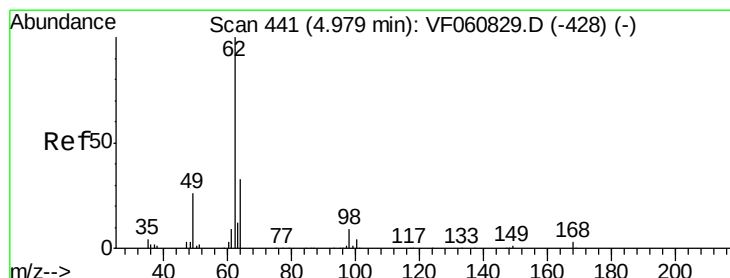
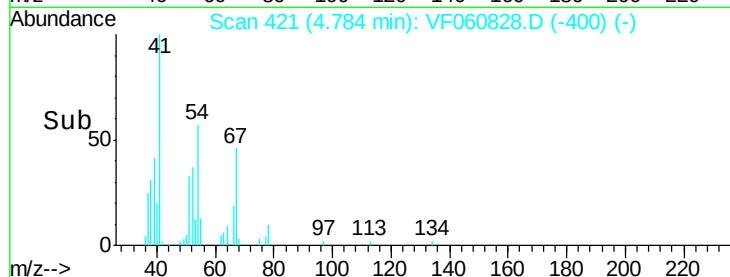
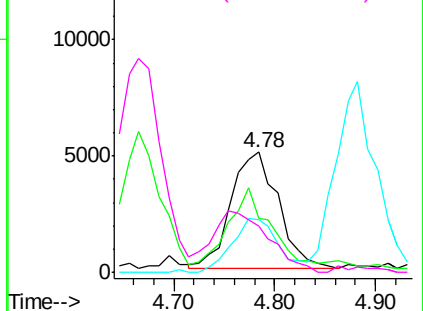


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 20.347 ug/l

RT: 4.98 min Scan# 441

Delta R.T. 0.00 min

Lab File: VF060828.D

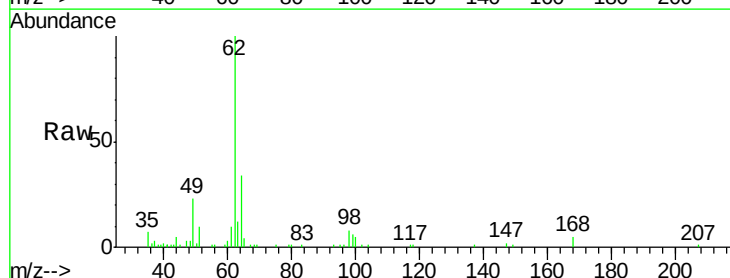
Acq: 26 Nov 2018 18:02

Tgt Ion: 62 Resp: 58679

Ion Ratio Lower Upper

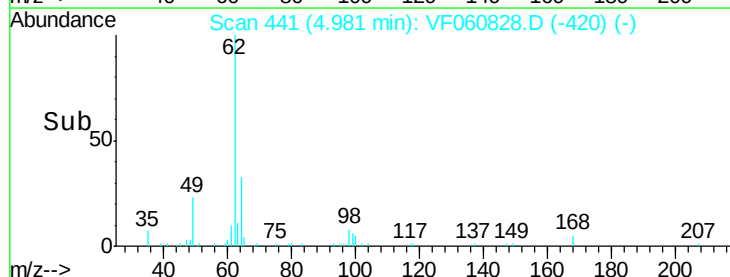
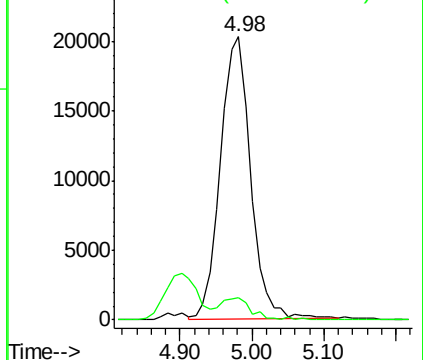
62 100

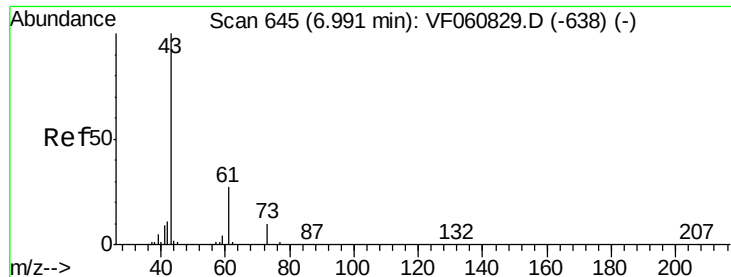
98 7.7 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.924 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

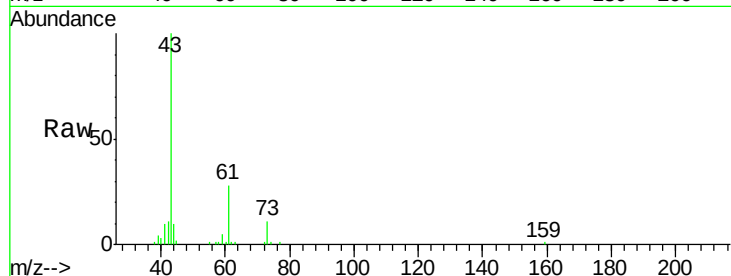
Tgt Ion: 43 Resp: 35043

Ion Ratio Lower Upper

43 100

61 28.0 21.4 32.0

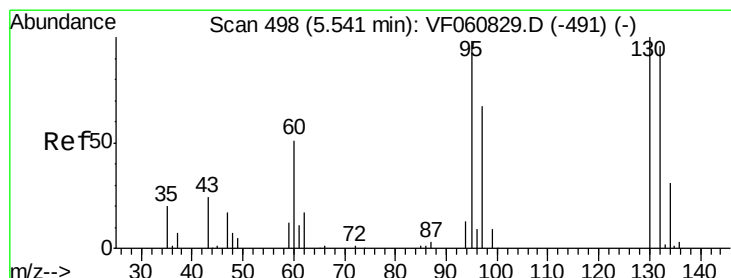
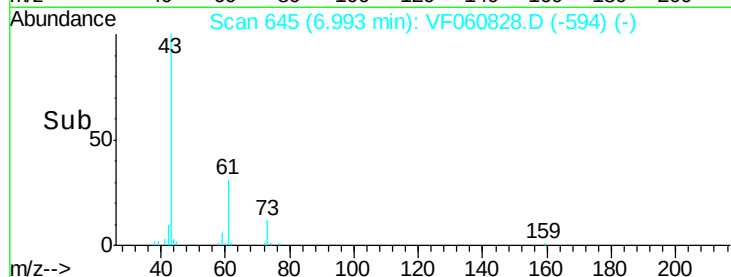
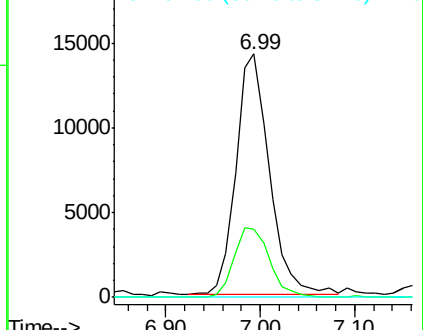
87 0.0 0.2 0.4#



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: 20.719 ug/l

RT: 5.54 min Scan# 498

Delta R.T. 0.00 min

Lab File: VF060828.D

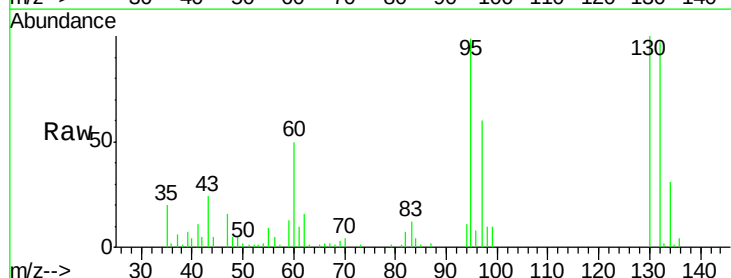
Acq: 26 Nov 2018 18:02

Tgt Ion: 130 Resp: 54102

Ion Ratio Lower Upper

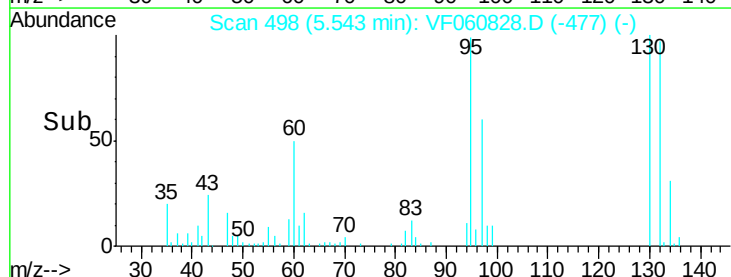
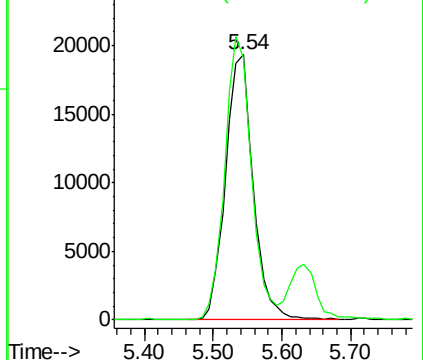
130 100

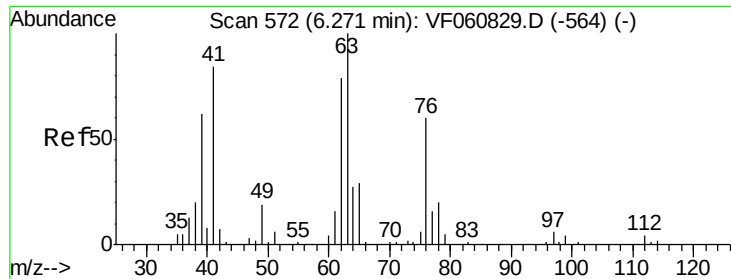
95 98.7 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

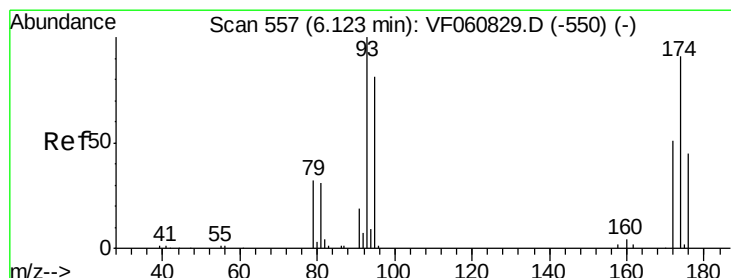
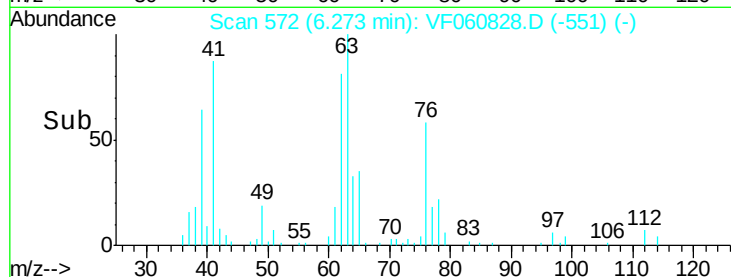
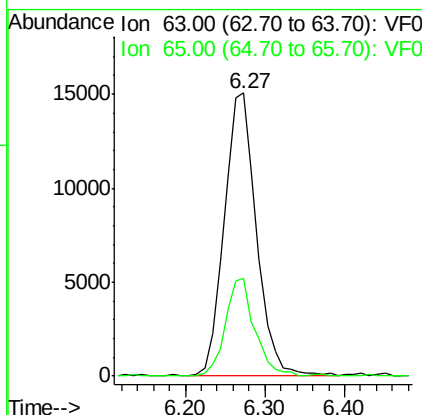
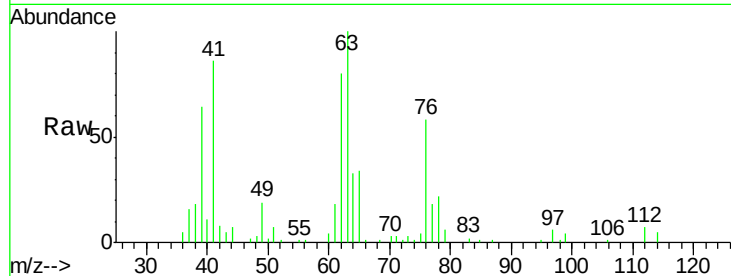




#45
 1,2-Dichloropropane
 Concen: 19.730 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

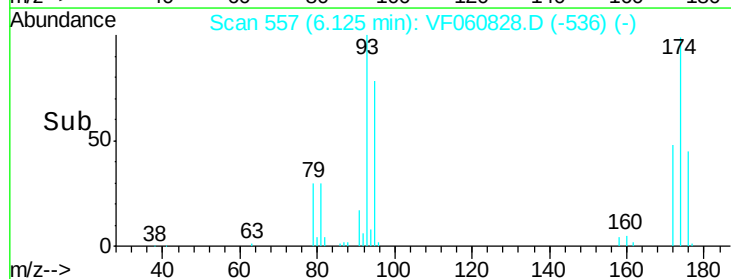
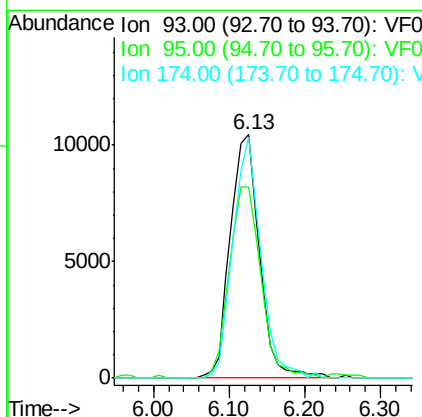
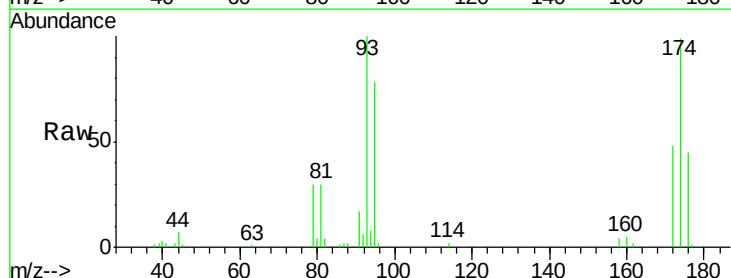
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

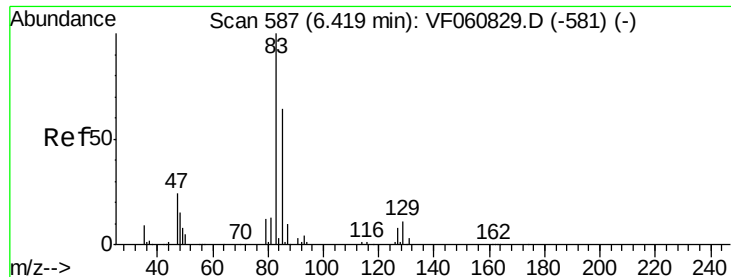
Tgt Ion: 63 Resp: 42740
 Ion Ratio Lower Upper
 63 100
 65 34.3 23.2 34.8



#46
 Dibromomethane
 Concen: 19.748 ug/l
 RT: 6.13 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion: 93 Resp: 28032
 Ion Ratio Lower Upper
 93 100
 95 78.3 64.7 97.1
 174 99.1 73.0 109.6





#47

Bromodichloromethane

Concen: 20.693 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

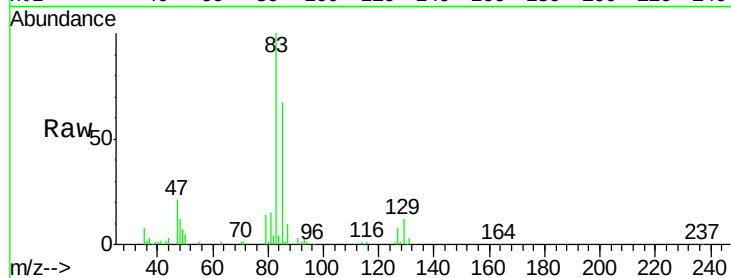
Tgt Ion: 83 Resp: 74889

Ion Ratio Lower Upper

83 100

85 67.3 51.1 76.7

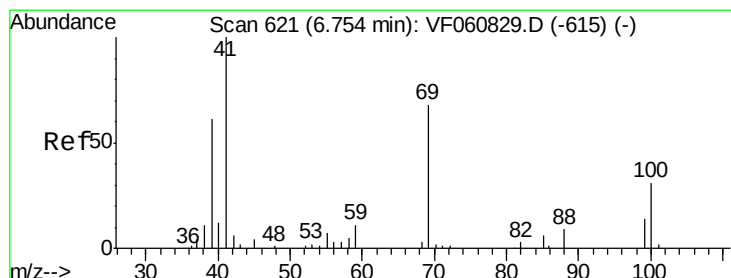
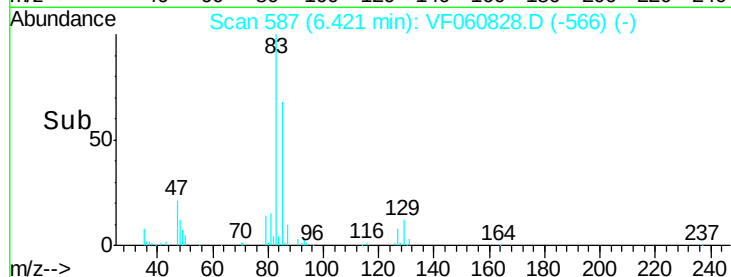
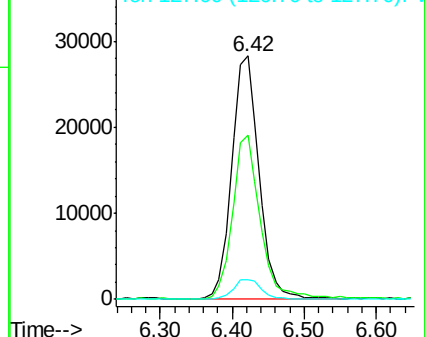
127 7.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.725 ug/l

RT: 6.75 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

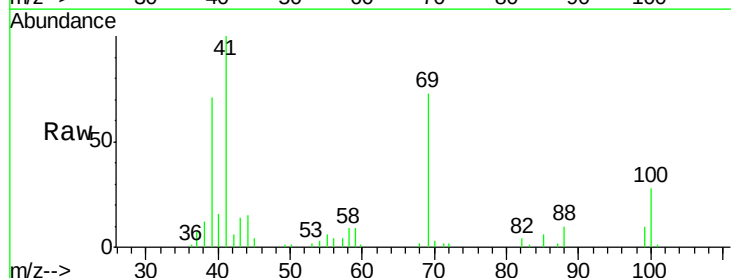
Tgt Ion: 41 Resp: 25677

Ion Ratio Lower Upper

41 100

69 72.5 53.9 80.9

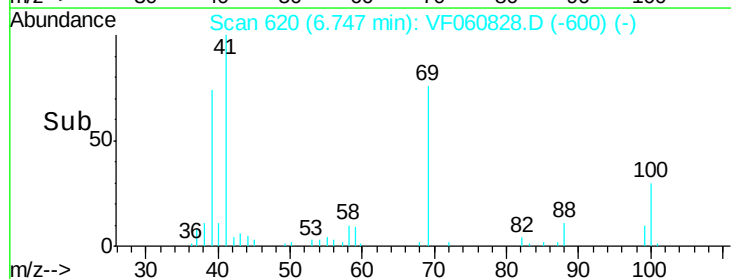
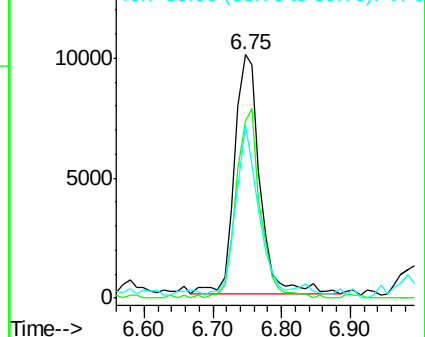
39 70.9 49.0 73.6

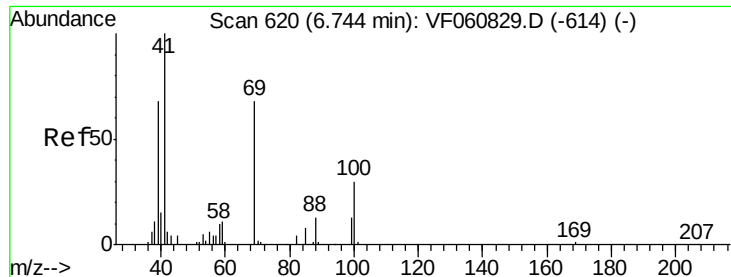


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

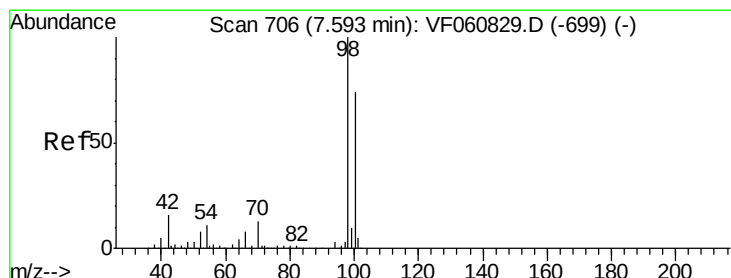
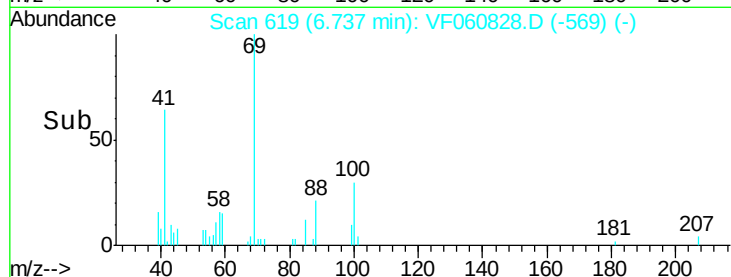
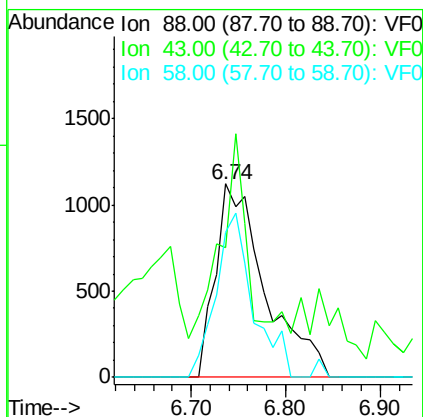
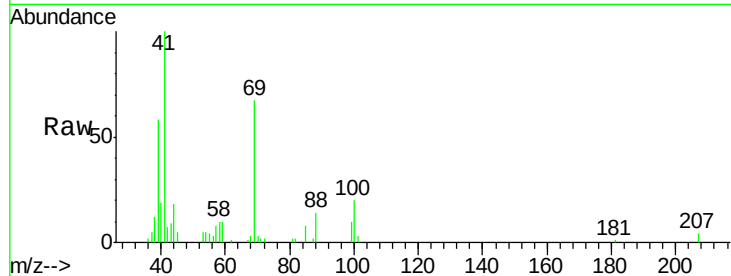




#49
1,4-Dioxane
Concen: 363.683 ug/l
RT: 6.74 min Scan# 619
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

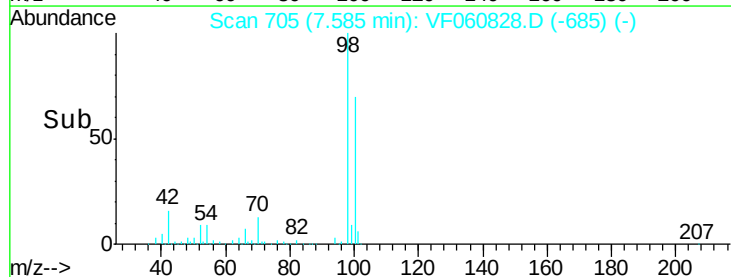
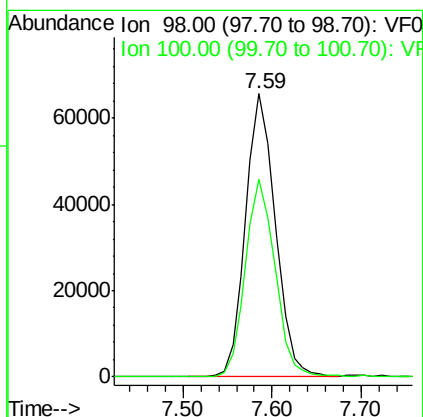
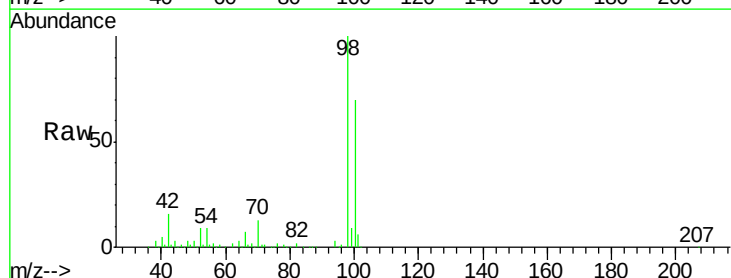
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

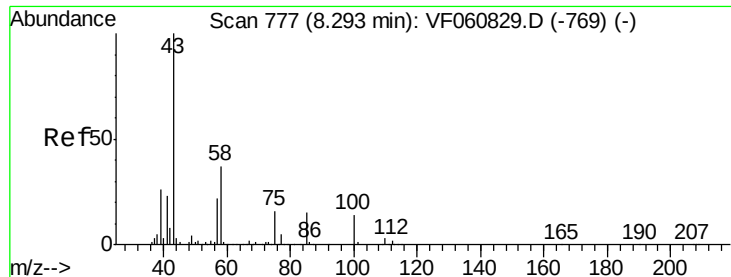
Tgt Ion: 88 Resp: 4112
Ion Ratio Lower Upper
88 100
43 67.0 42.0 63.0#
58 74.8 61.8 92.8



#50
Toluene-d8
Concen: 21.132 ug/l
RT: 7.59 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 98 Resp: 152257
Ion Ratio Lower Upper
98 100
100 69.8 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 105.814 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

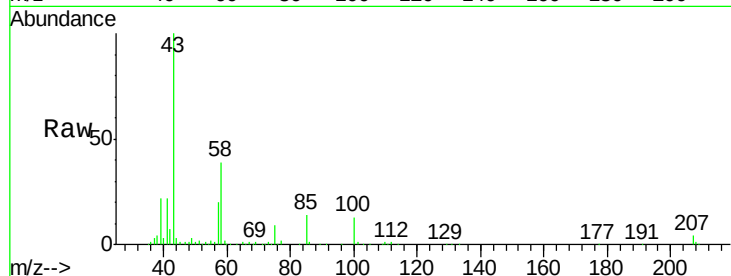
VSTDIC020

Tgt Ion: 43 Resp: 140236

Ion Ratio Lower Upper

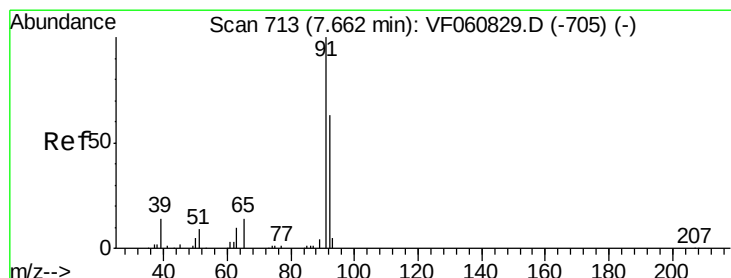
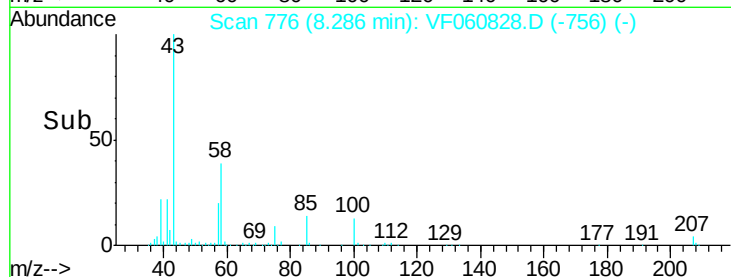
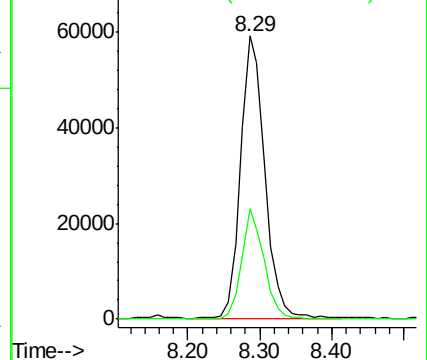
43 100

58 39.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.472 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060828.D

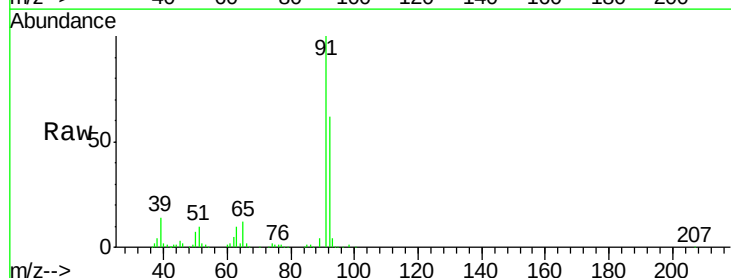
Acq: 26 Nov 2018 18:02

Tgt Ion: 92 Resp: 117882

Ion Ratio Lower Upper

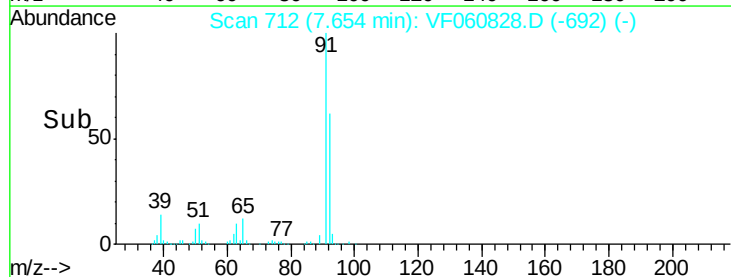
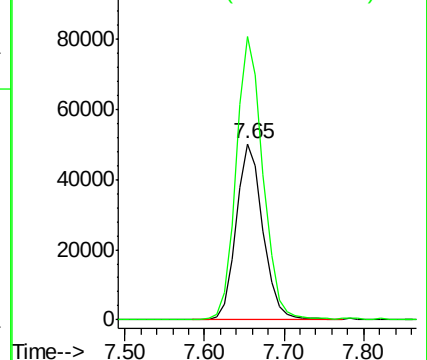
92 100

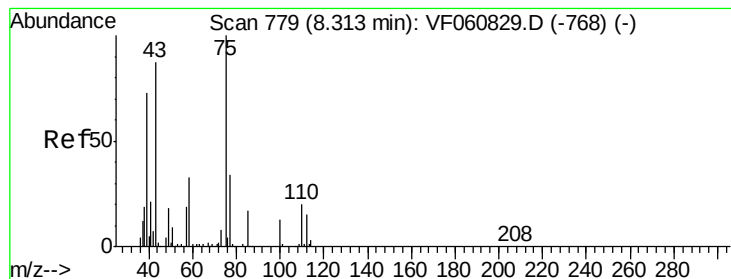
91 161.0 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.047 ug/l

RT: 8.32 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

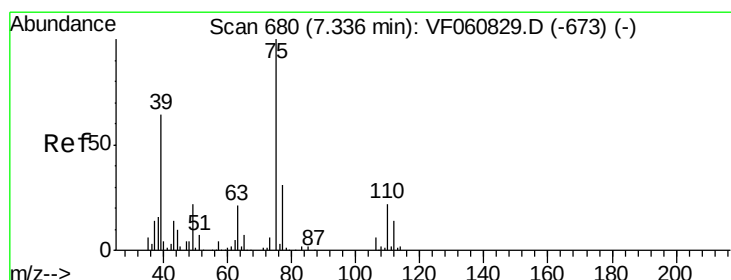
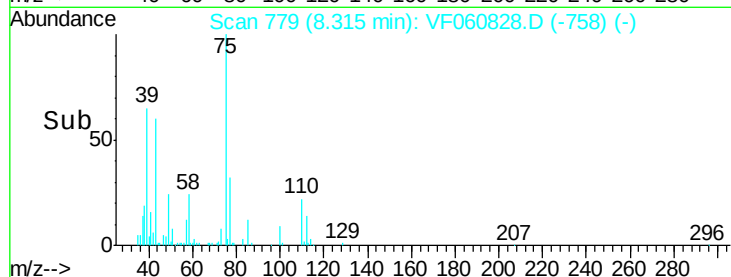
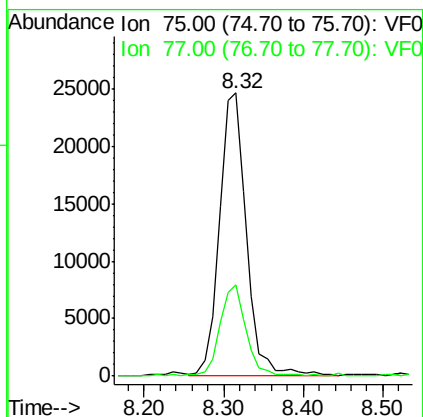
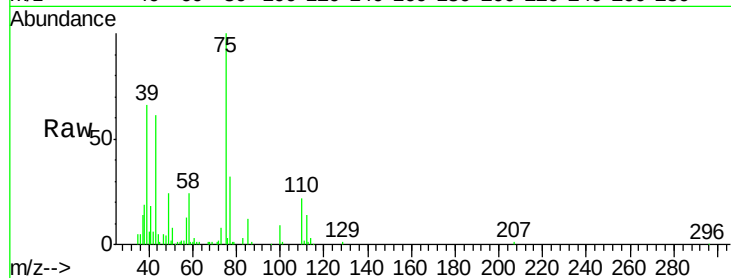
VSTDIC020

Tgt Ion: 75 Resp: 58823

Ion Ratio Lower Upper

75 100

77 32.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 20.553 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

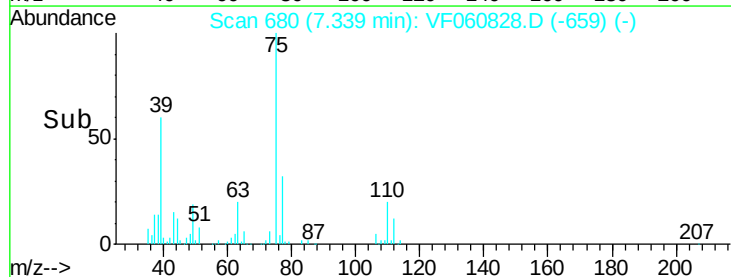
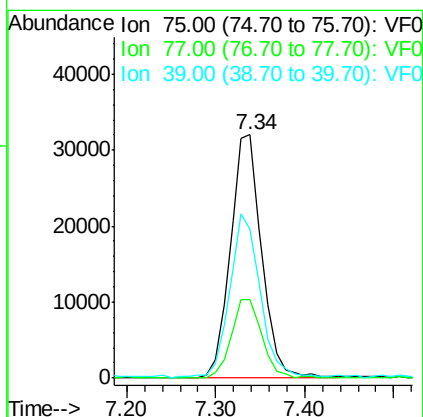
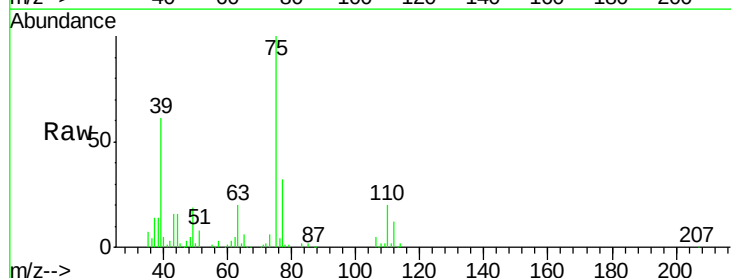
Tgt Ion: 75 Resp: 78843

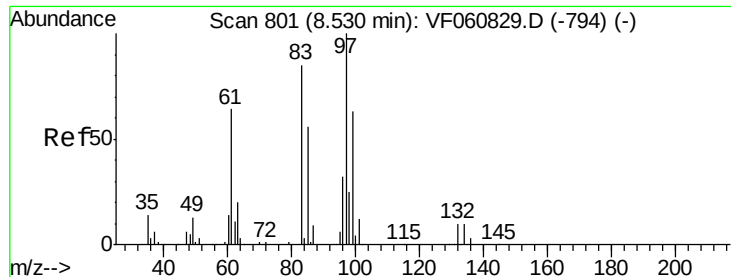
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 61.1 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 19.922 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 31541

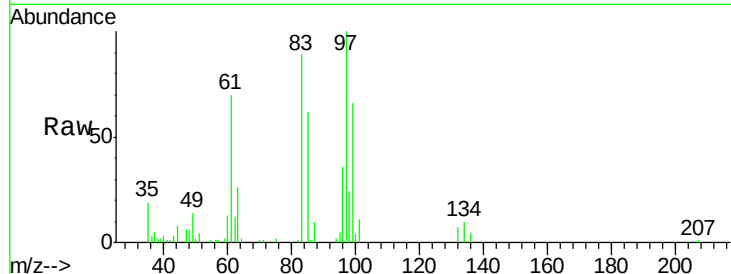
Ion Ratio Lower Upper

97 100

83 89.3 67.8 101.6

85 62.4 45.0 67.6

99 66.4 50.5 75.7

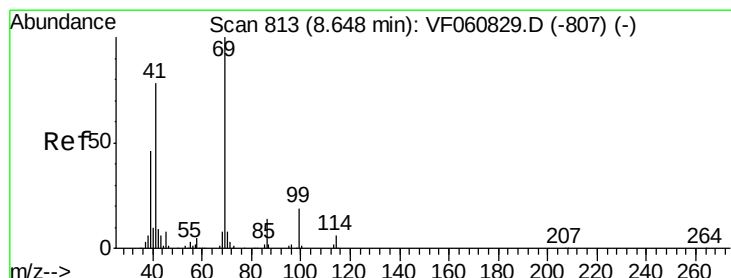
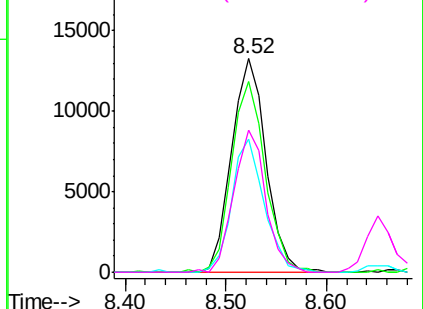
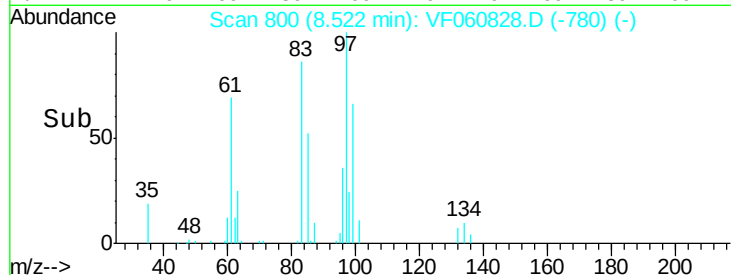


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.238 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

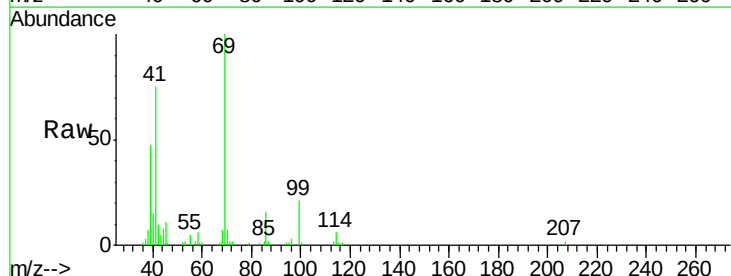
Tgt Ion: 69 Resp: 34972

Ion Ratio Lower Upper

69 100

41 75.3 62.6 94.0

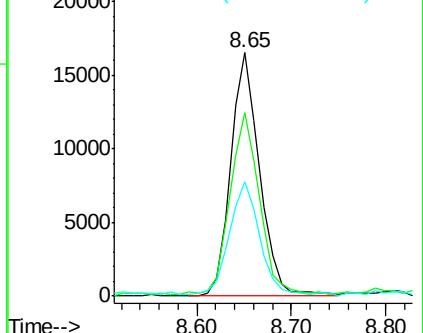
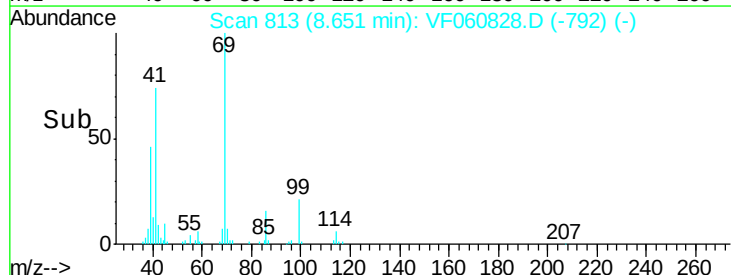
39 47.2 37.8 56.6

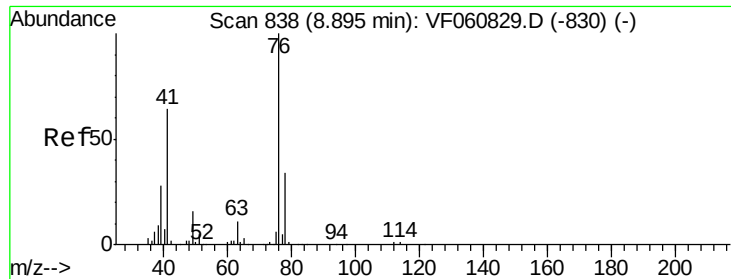


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.043 ug/l

RT: 8.89 min Scan# 837

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

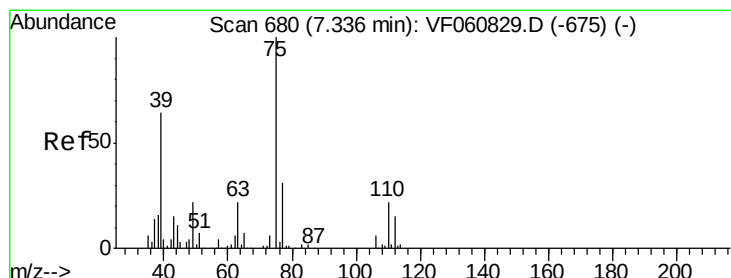
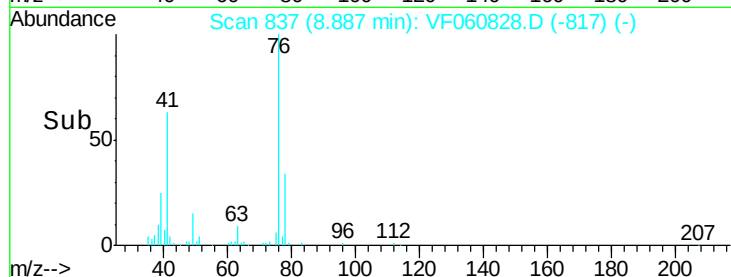
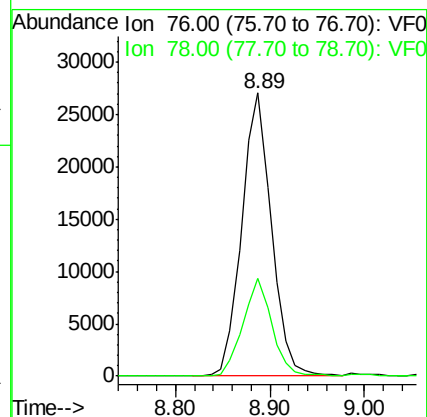
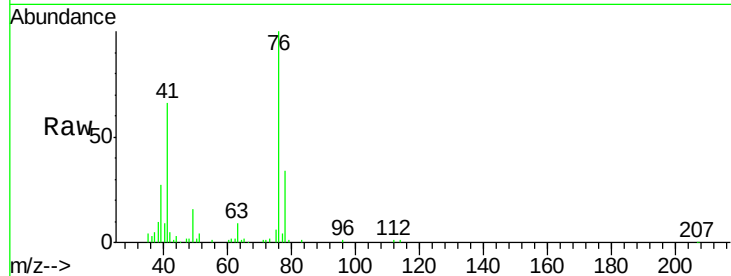
VSTDIC020

Tgt Ion: 76 Resp: 58747

Ion Ratio Lower Upper

76 100

78 34.4 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 120.327 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060828.D

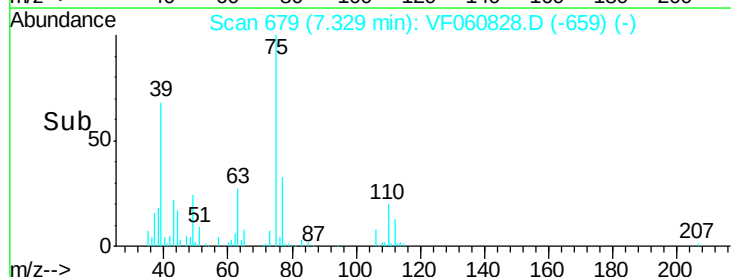
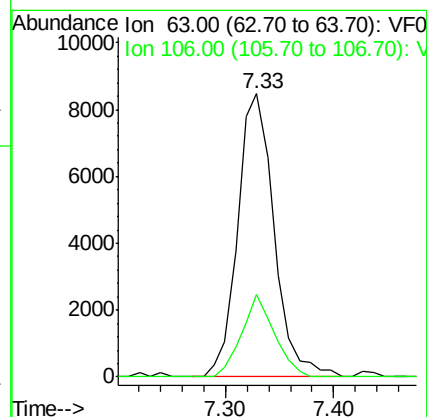
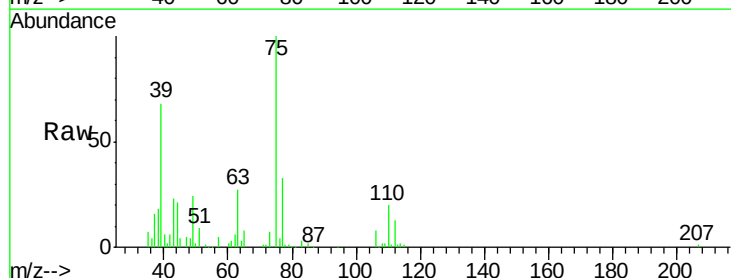
Acq: 26 Nov 2018 18:02

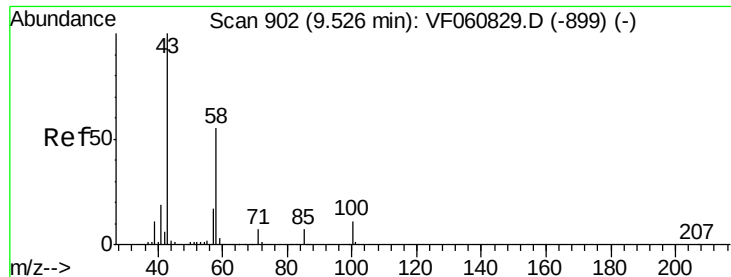
Tgt Ion: 63 Resp: 19878

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6

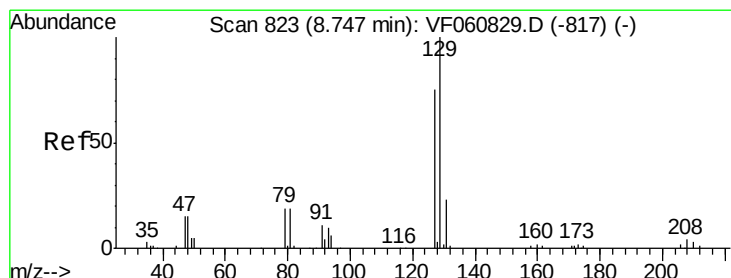
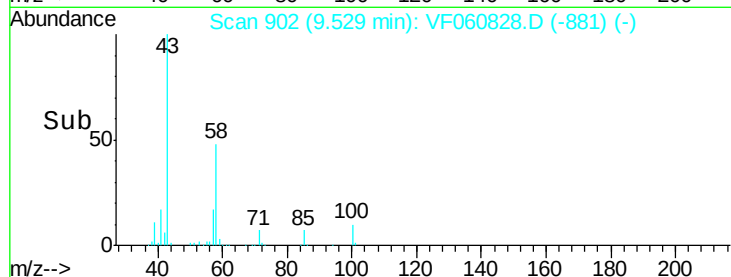
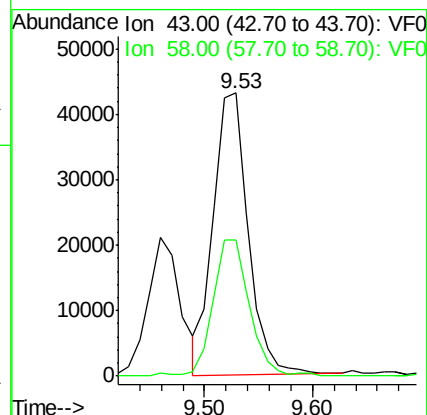
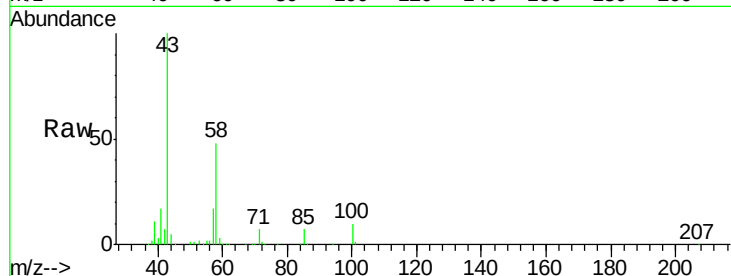




#59
2-Hexanone
Concen: 103.226 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

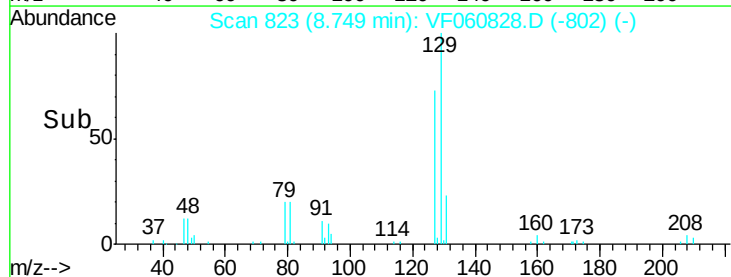
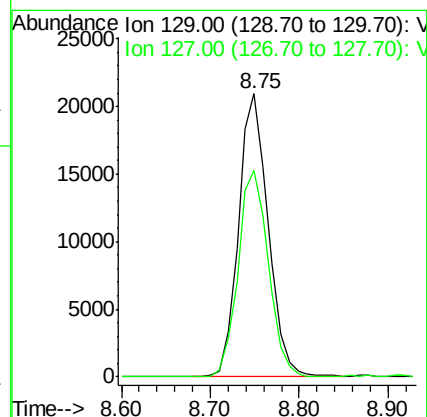
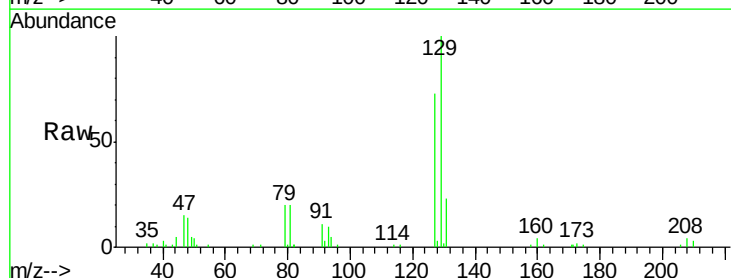
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

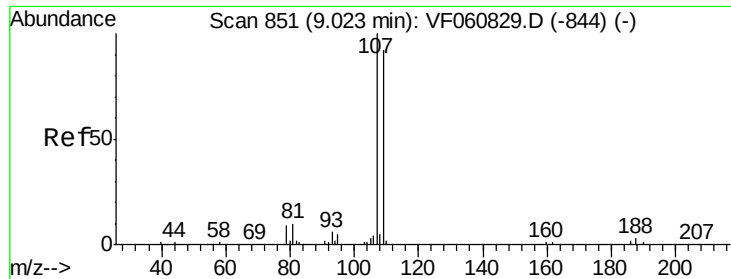
Tgt Ion: 43 Resp: 96646
Ion Ratio Lower Upper
43 100
58 48.1 25.6 76.6



#60
Dibromochloromethane
Concen: 21.163 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion: 129 Resp: 48447
Ion Ratio Lower Upper
129 100
127 73.2 37.3 111.9





#61

1,2-Dibromoethane

Concen: 22.454 ug/l

RT: 9.02 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

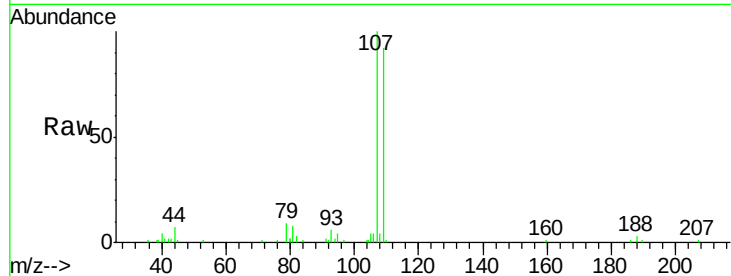
VSTDIC020

Tgt Ion: 107 Resp: 37518

Ion Ratio Lower Upper

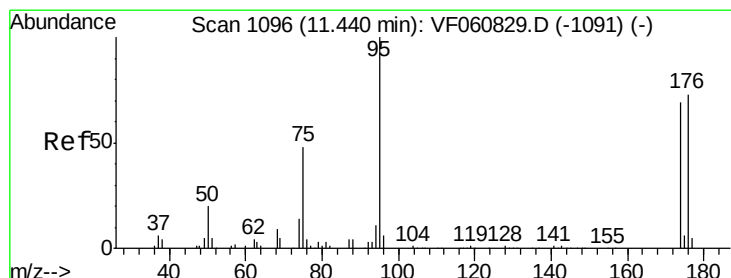
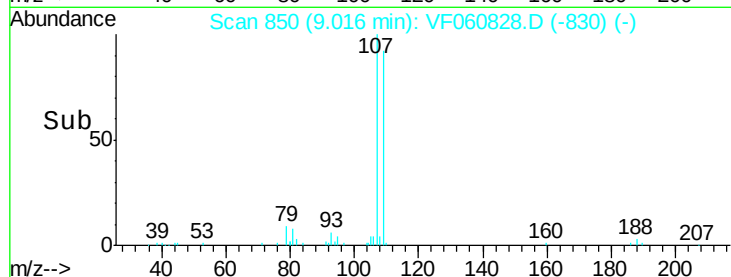
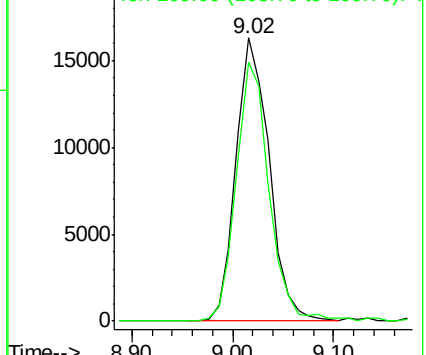
107 100

109 91.5 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 20.694 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

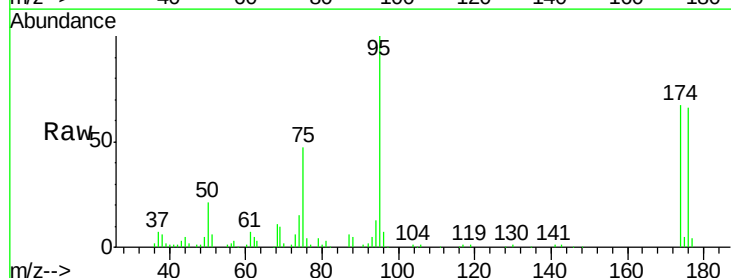
Tgt Ion: 95 Resp: 69051

Ion Ratio Lower Upper

95 100

174 66.8 0.0 138.2

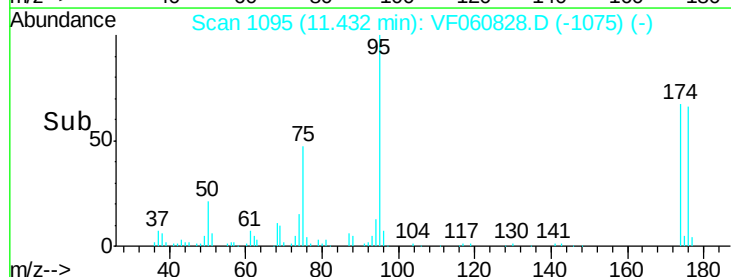
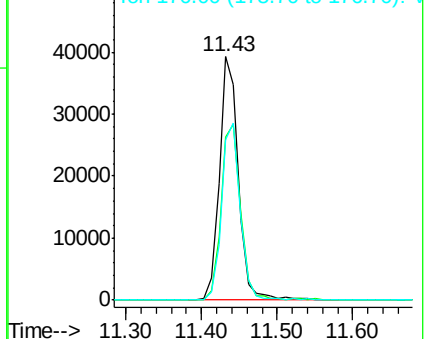
176 65.9 0.0 146.2

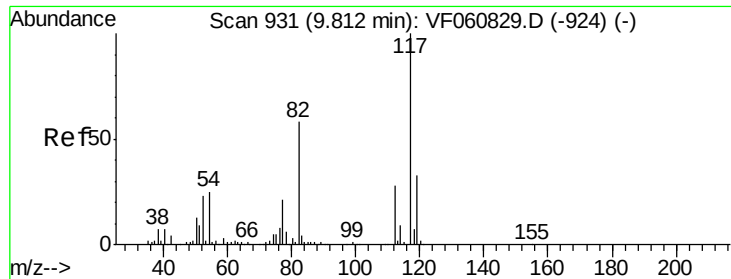


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

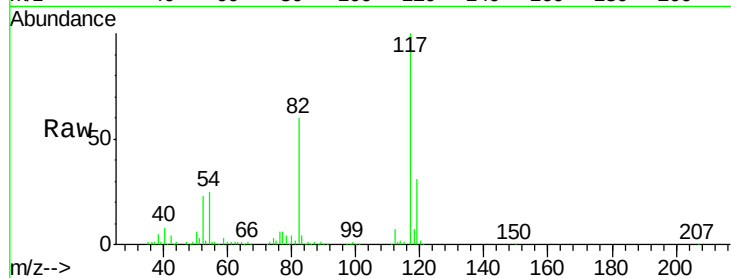




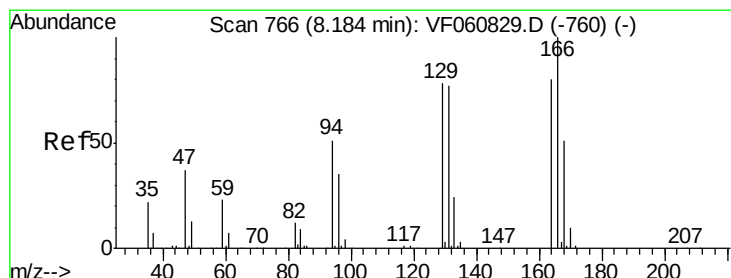
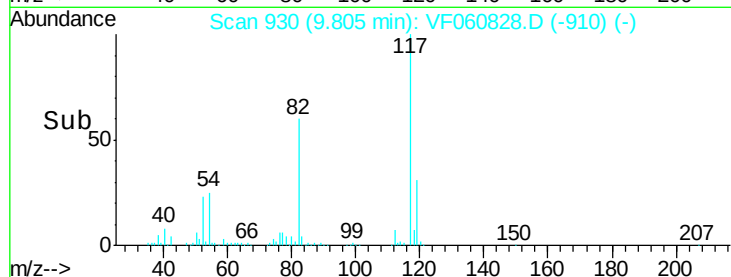
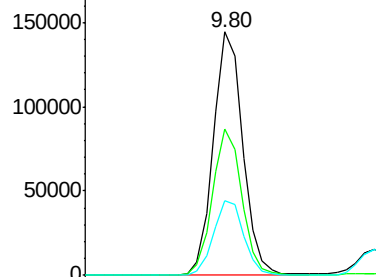
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 313901
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 30.9 26.4 39.6

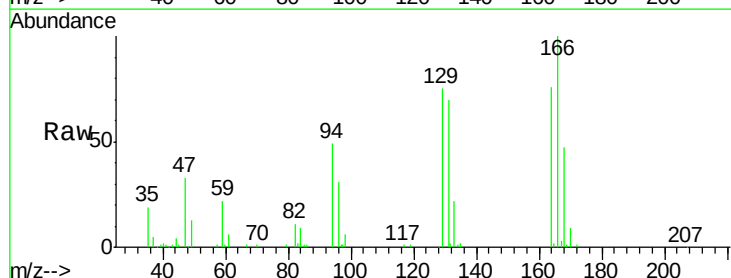


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

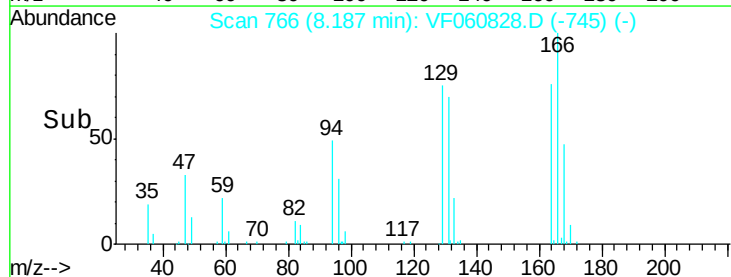
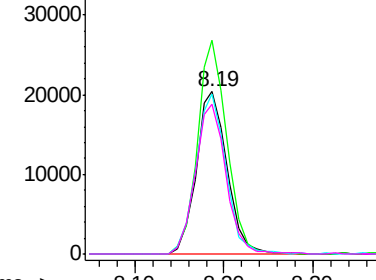


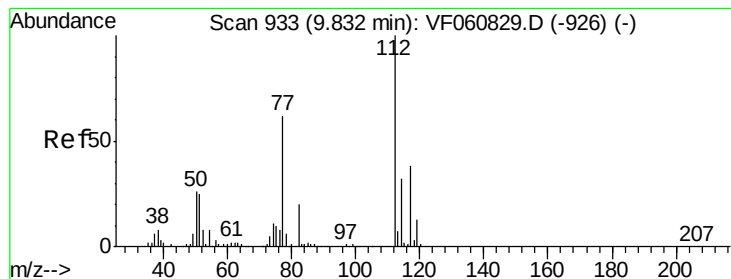
#64
Tetrachloroethene
Concen: 20.443 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion:164 Resp: 49287
Ion Ratio Lower Upper
164 100
166 131.6 100.3 150.5
129 99.0 77.9 116.9
131 92.5 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 19.676 ug/l

RT: 9.83 min Scan# 933

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

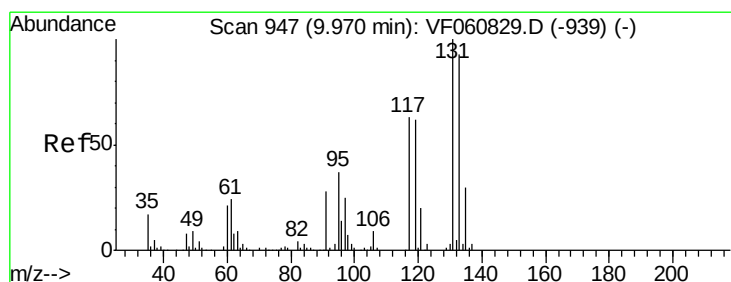
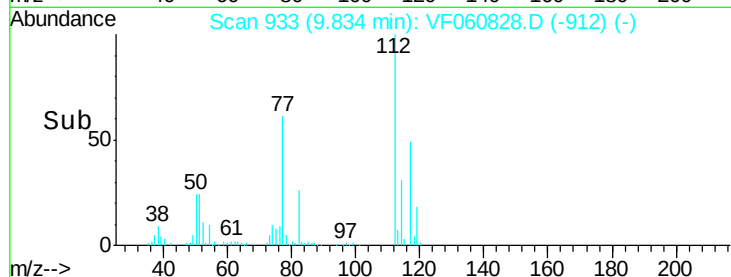
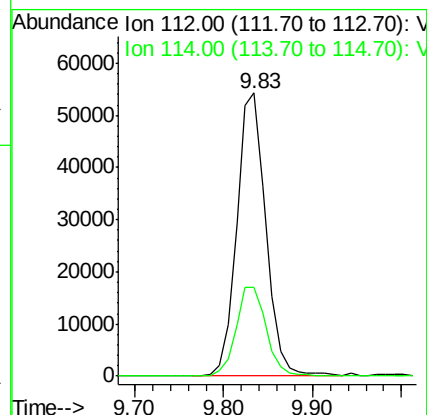
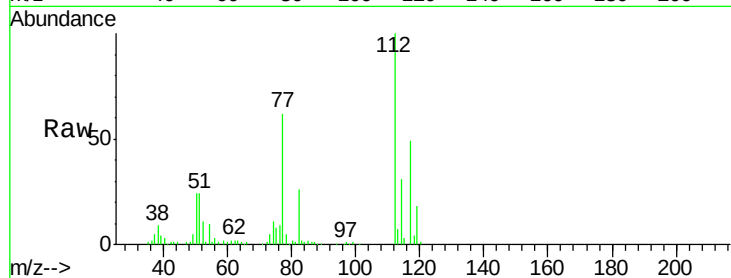
VSTDIC020

Tgt Ion:112 Resp: 123927

Ion Ratio Lower Upper

112 100

114 31.3 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 20.419 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

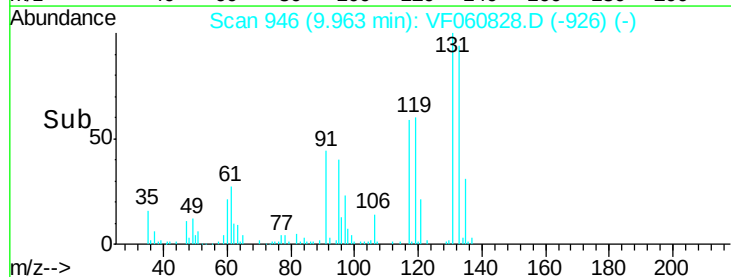
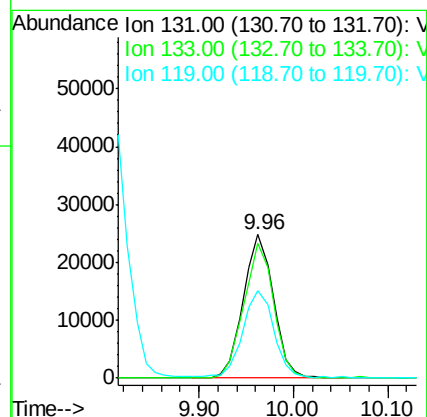
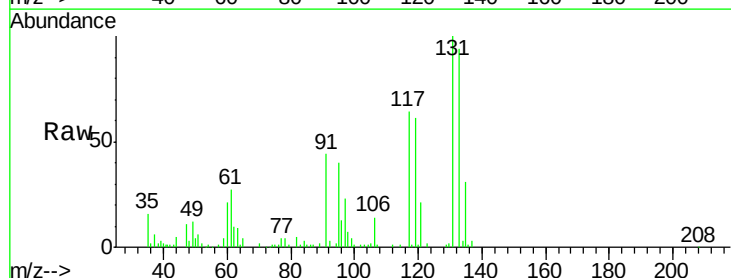
Tgt Ion:131 Resp: 55069

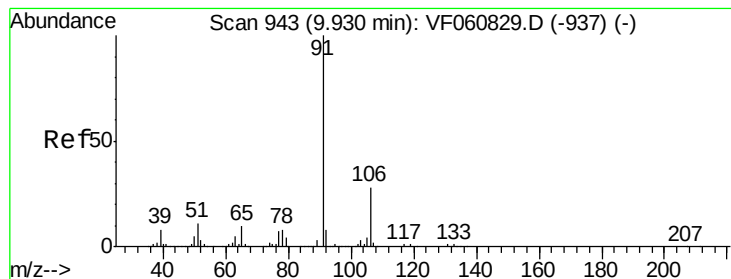
Ion Ratio Lower Upper

131 100

133 94.3 46.5 139.3

119 61.4 31.1 93.3





#67

Ethyl Benzene

Concen: 18.986 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

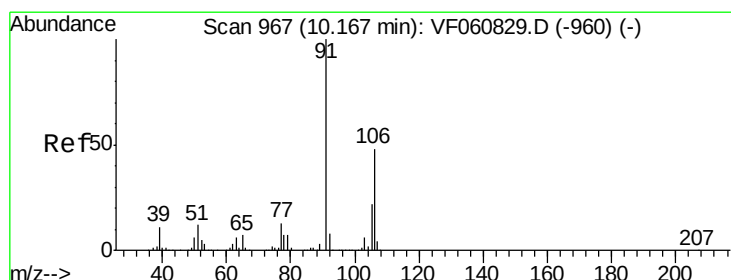
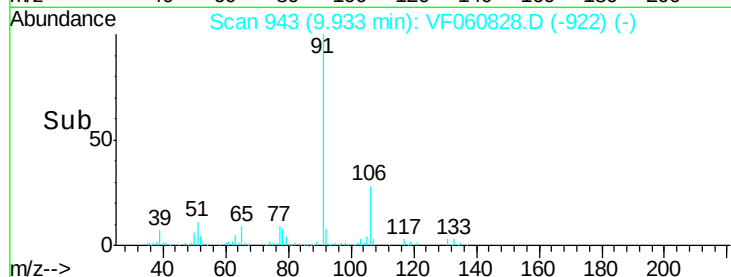
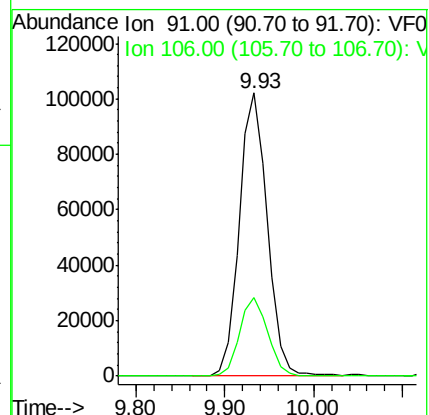
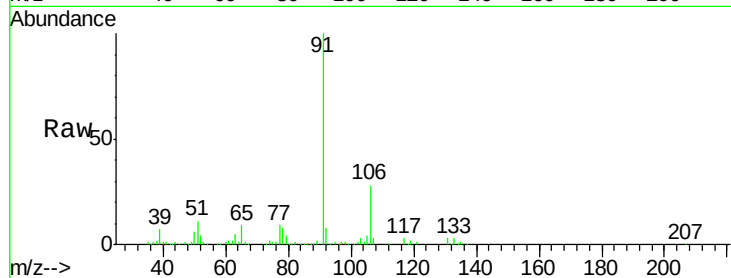
VSTDIC020

Tgt Ion: 91 Resp: 223960

Ion Ratio Lower Upper

91 100

106 27.9 22.2 33.2



#68

m/p-Xylenes

Concen: 40.683 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060828.D

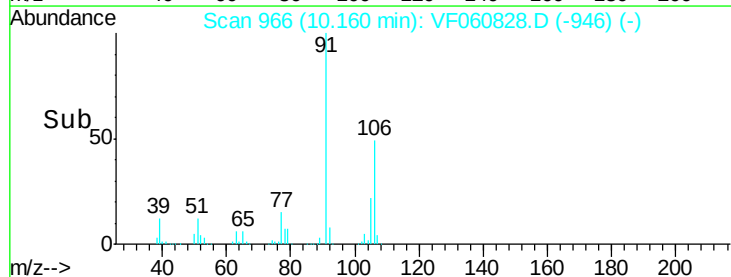
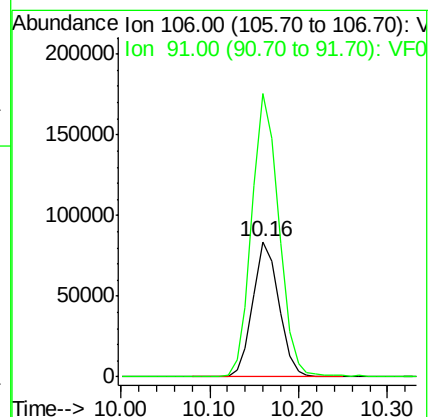
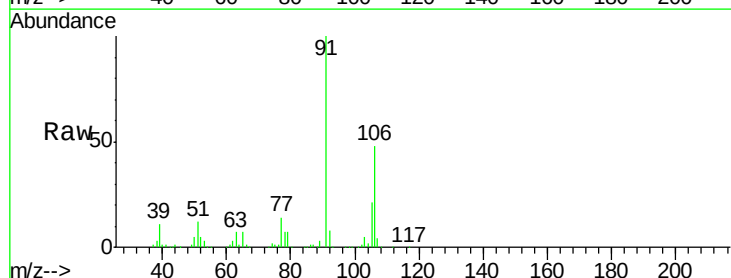
Acq: 26 Nov 2018 18:02

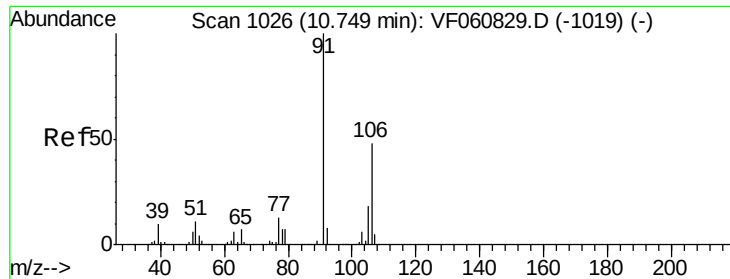
Tgt Ion: 106 Resp: 170897

Ion Ratio Lower Upper

106 100

91 209.8 166.7 250.1

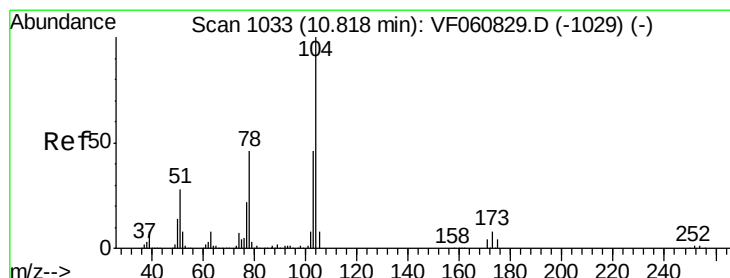
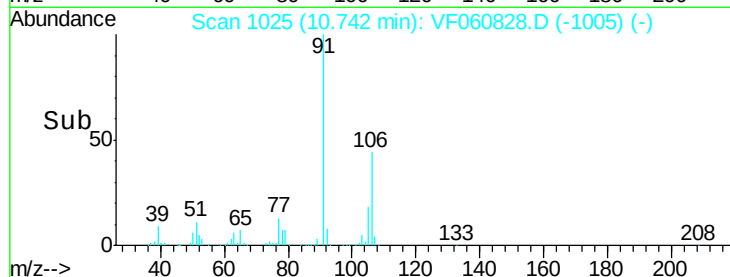
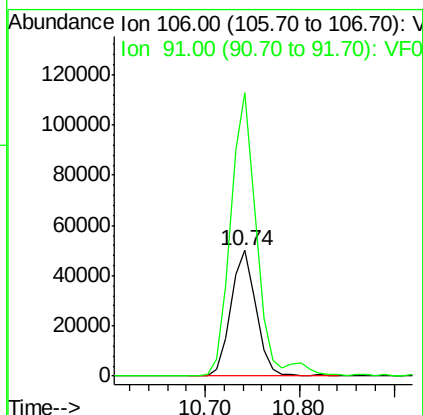
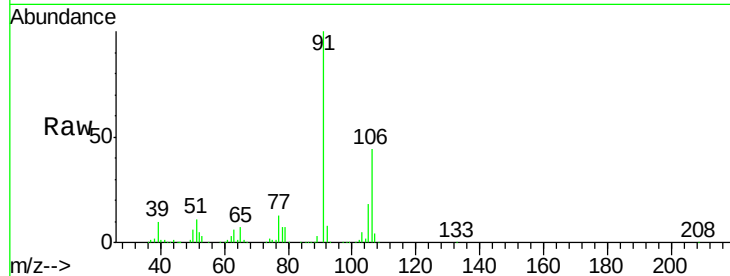




#69
o-Xylene
Concen: 19.719 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

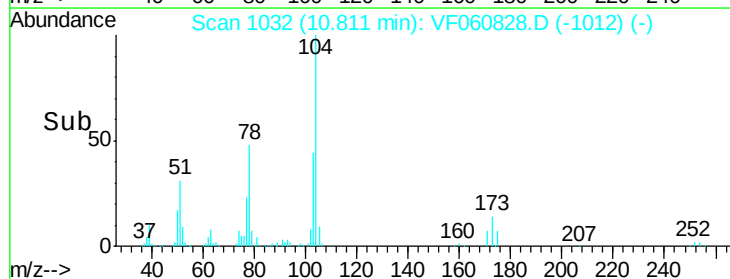
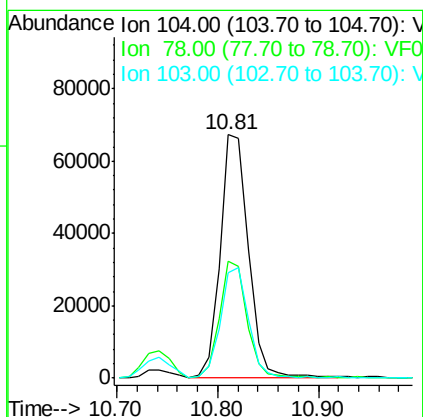
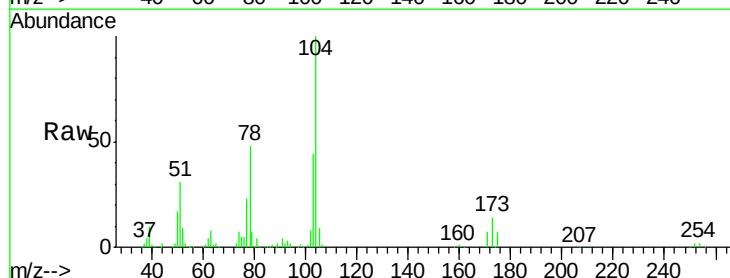
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

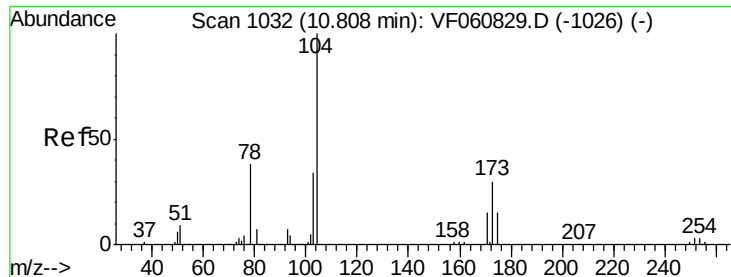
Tgt Ion:106 Resp: 92778
Ion Ratio Lower Upper
106 100
91 225.4 104.8 314.6



#70
Styrene
Concen: 20.547 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060828.D
Acq: 26 Nov 2018 18:02

Tgt Ion:104 Resp: 131990
Ion Ratio Lower Upper
104 100
78 48.0 37.3 55.9
103 43.5 36.8 55.2





#71

Bromoform

Concen: 20.688 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

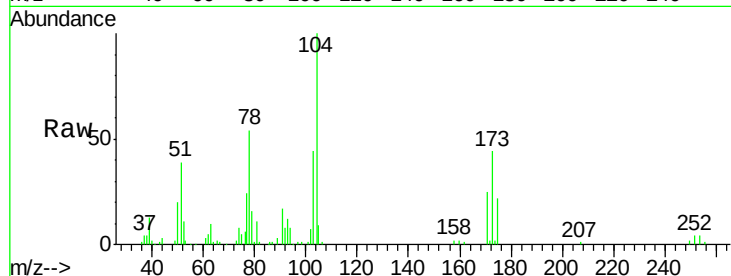
Tgt Ion:173 Resp: 25351

Ion Ratio Lower Upper

173 100

175 51.3 25.5 76.5

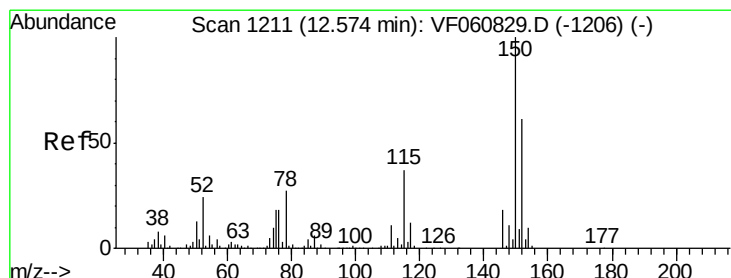
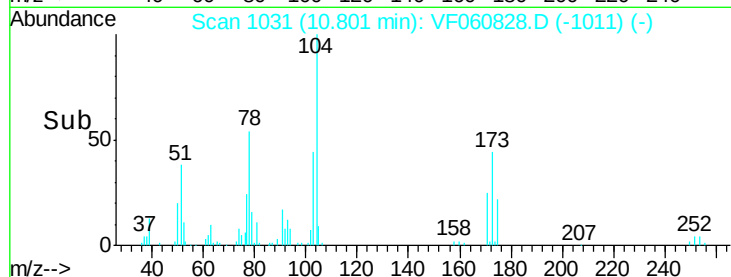
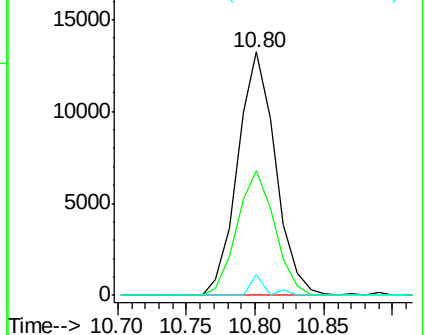
254 8.8 7.5 11.3



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.58 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

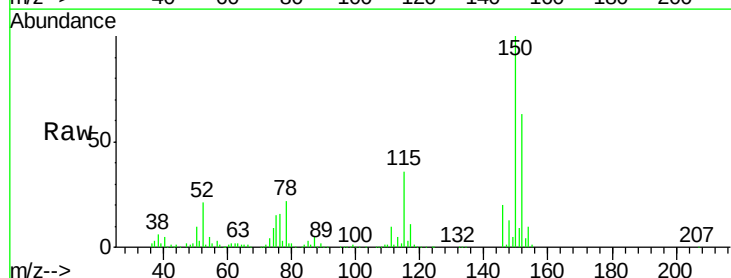
Tgt Ion:152 Resp: 163430

Ion Ratio Lower Upper

152 100

115 57.3 30.1 90.5

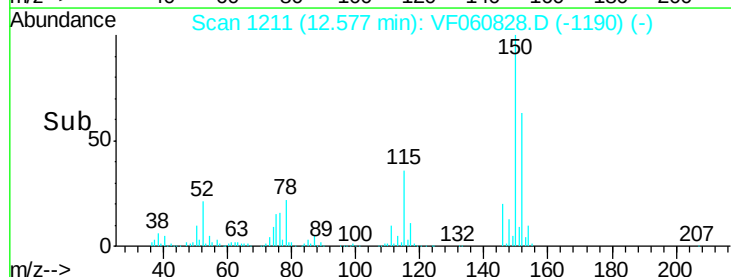
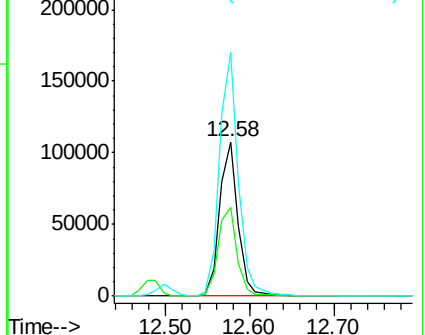
150 158.1 0.0 327.6

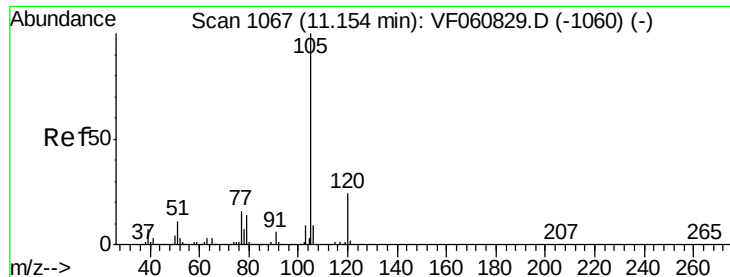


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.186 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

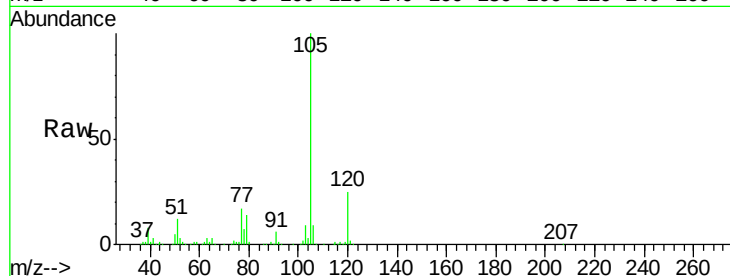
VSTDIC020

Tgt Ion:105 Resp: 277459

Ion Ratio Lower Upper

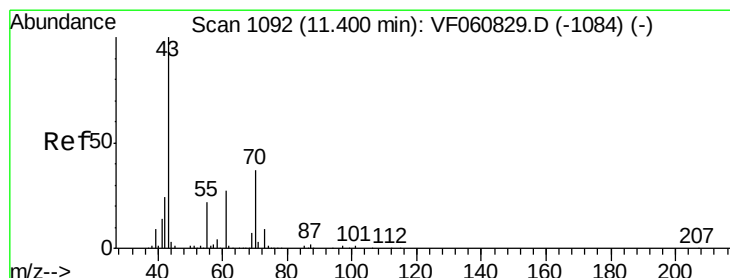
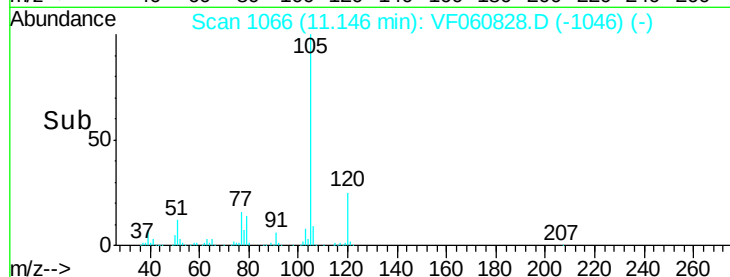
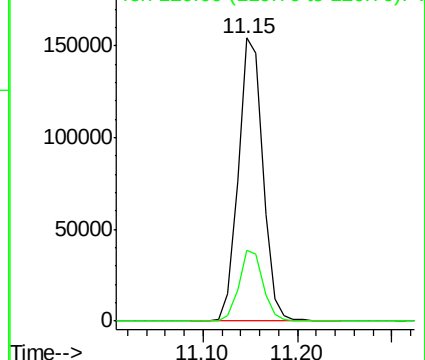
105 100

120 25.2 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.567 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Tgt Ion: 43 Resp: 65177

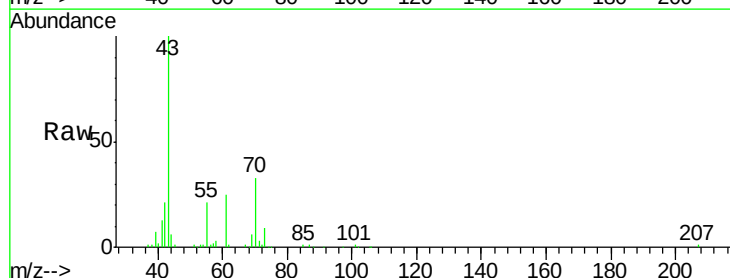
Ion Ratio Lower Upper

43 100

70 32.9 29.6 44.4

55 20.6 17.2 25.8

61 25.3 21.8 32.6

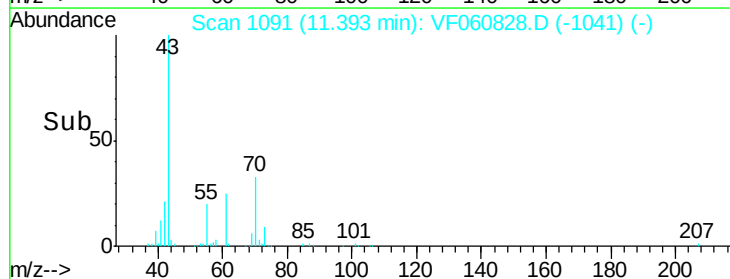
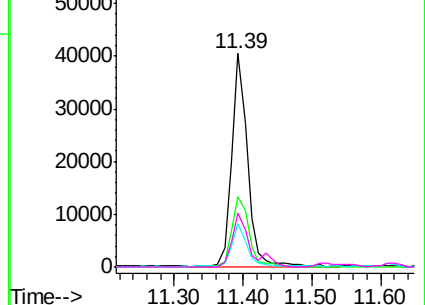


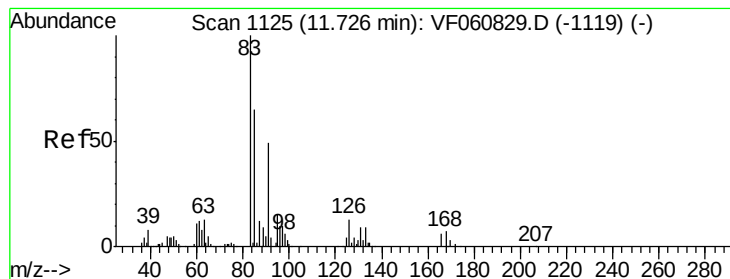
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.892 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

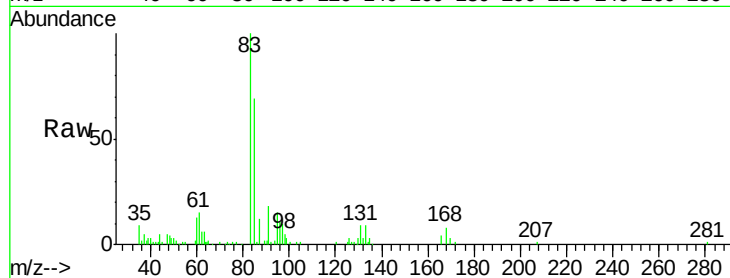
Tgt Ion: 83 Resp: 45087

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

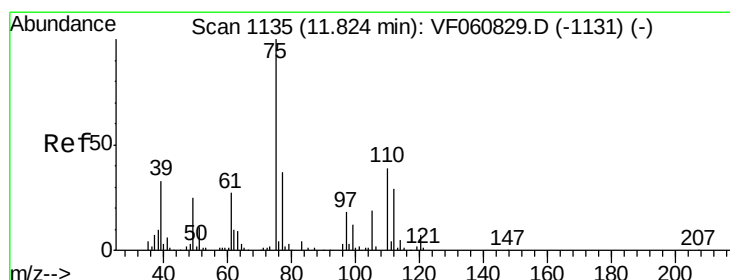
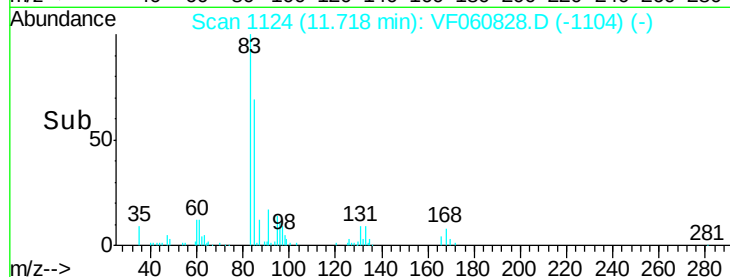
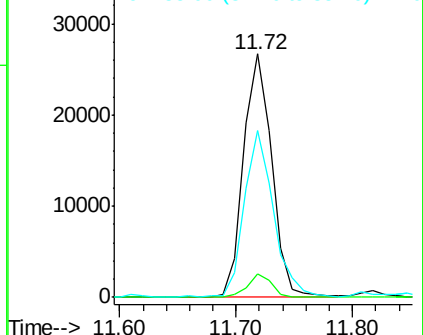
85 68.7 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.600 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060828.D

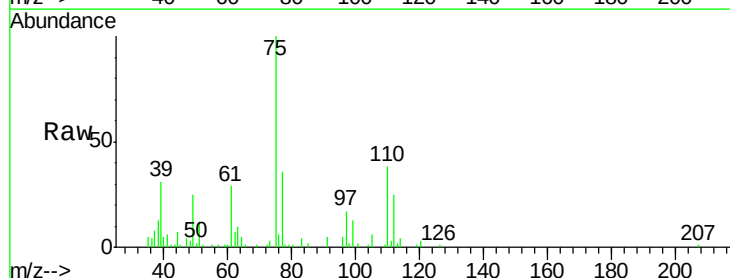
Acq: 26 Nov 2018 18:02

Tgt Ion: 75 Resp: 31784

Ion Ratio Lower Upper

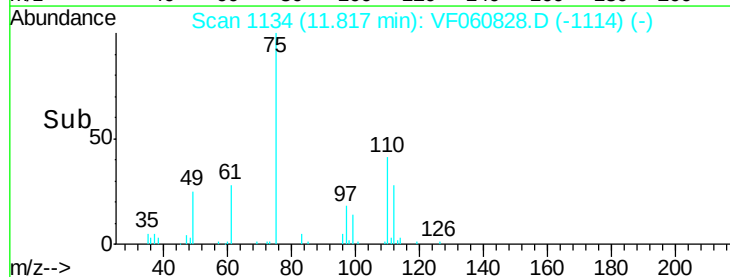
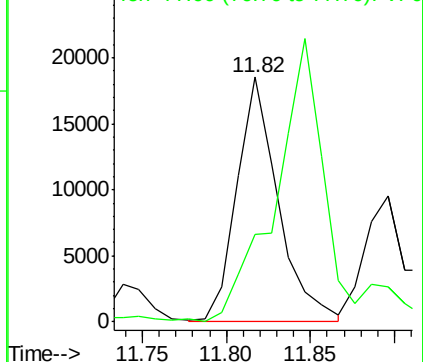
75 100

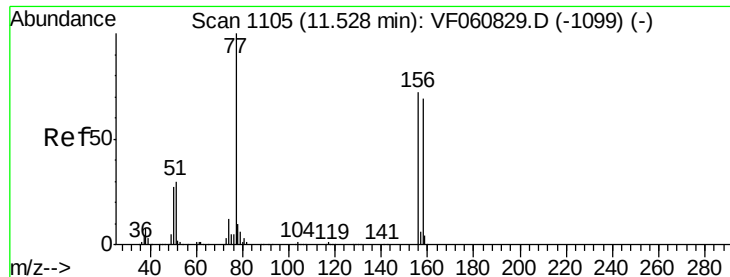
77 35.8 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.518 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

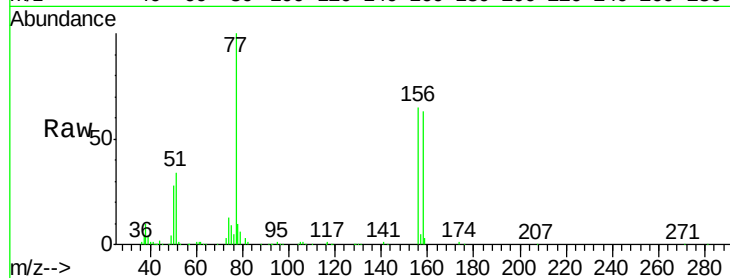
Tgt Ion:156 Resp: 59722

Ion Ratio Lower Upper

156 100

77 154.8 69.7 209.0

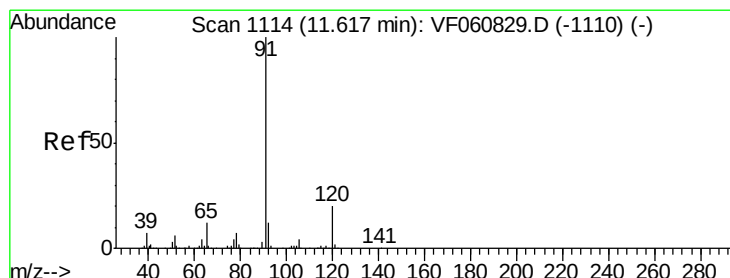
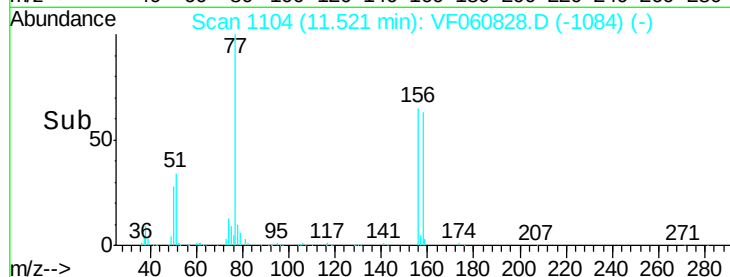
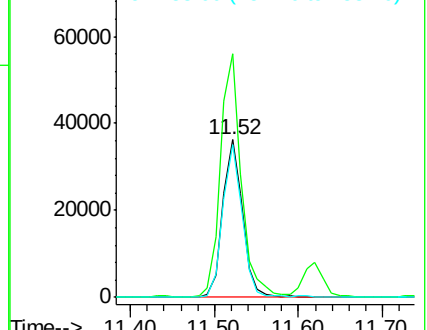
158 97.2 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.296 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060828.D

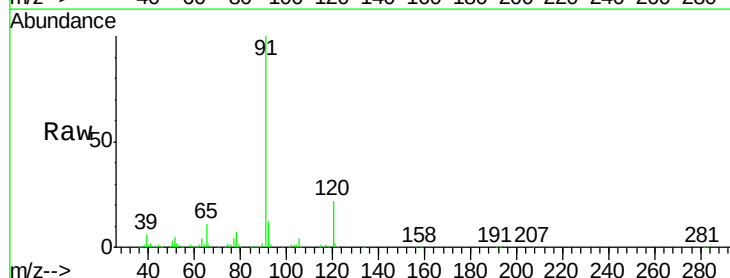
Acq: 26 Nov 2018 18:02

Tgt Ion: 91 Resp: 314071

Ion Ratio Lower Upper

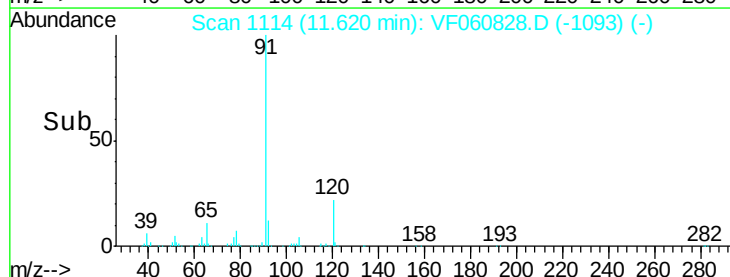
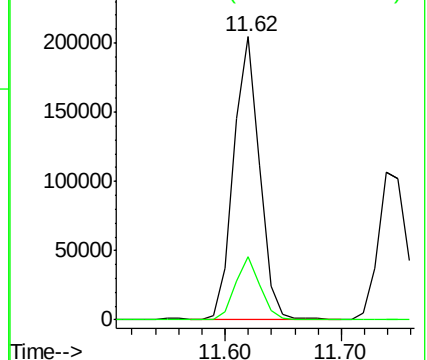
91 100

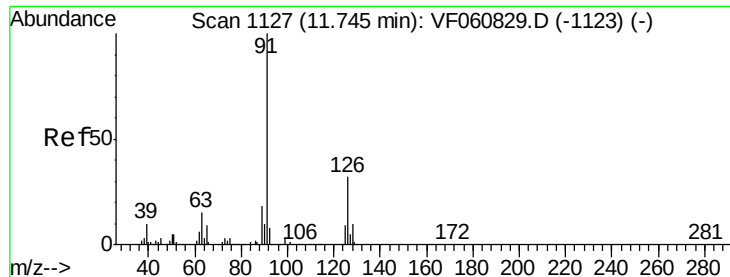
120 22.2 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.016 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

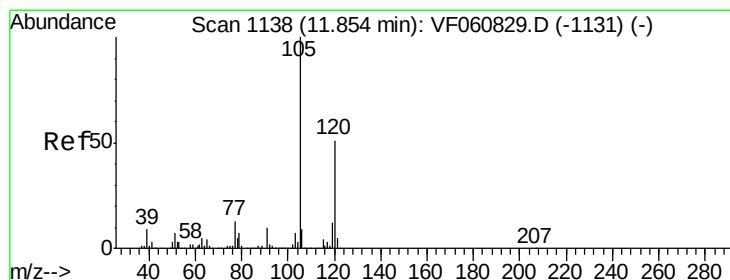
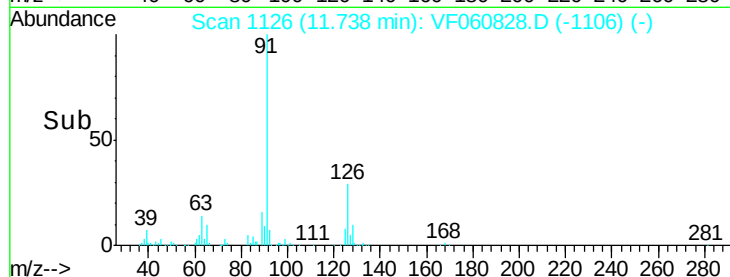
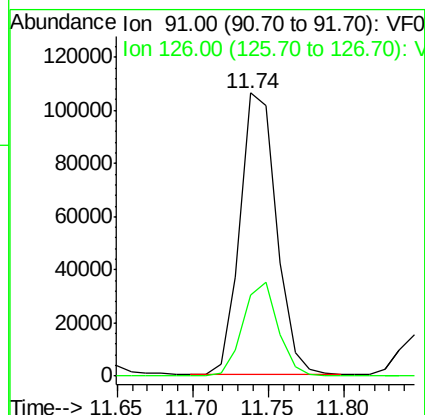
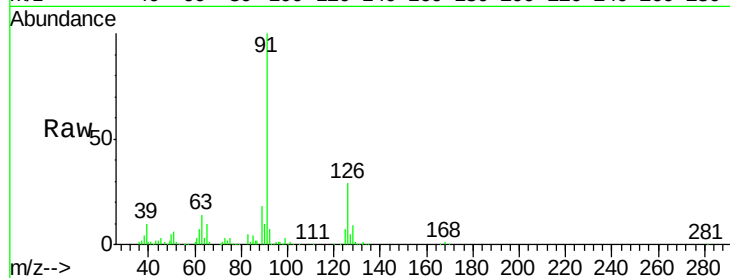
VSTDIC020

Tgt Ion: 91 Resp: 178013

Ion Ratio Lower Upper

91 100

126 28.6 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 21.579 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060828.D

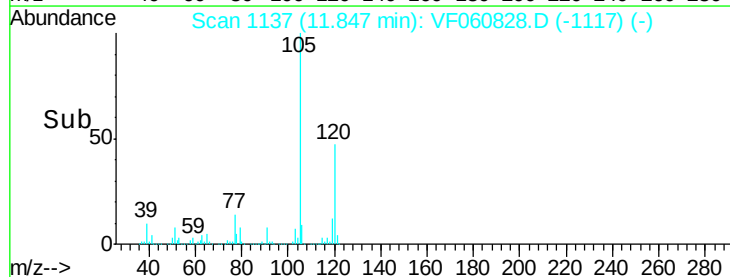
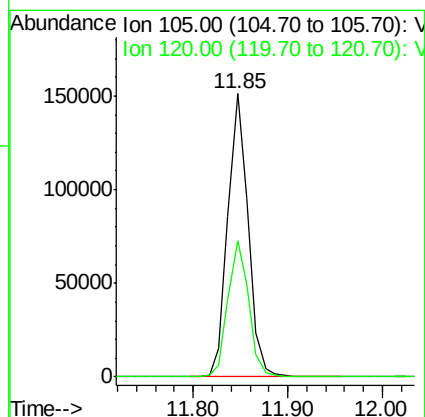
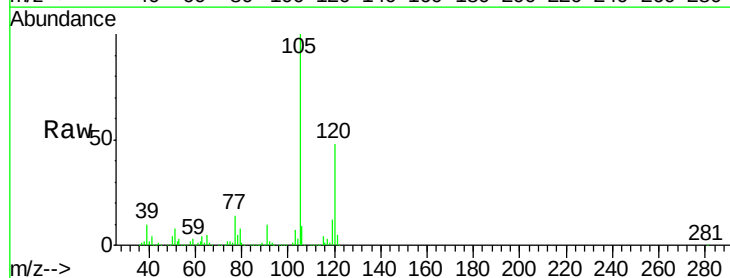
Acq: 26 Nov 2018 18:02

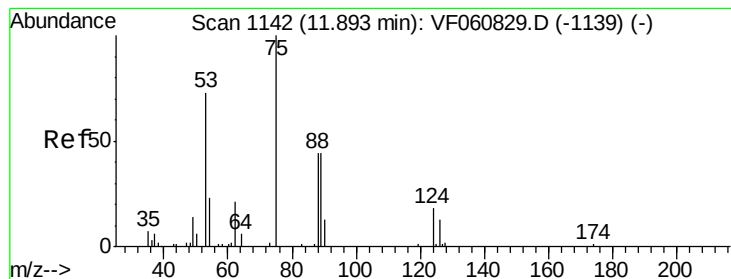
Tgt Ion: 105 Resp: 225377

Ion Ratio Lower Upper

105 100

120 48.0 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 26.520 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

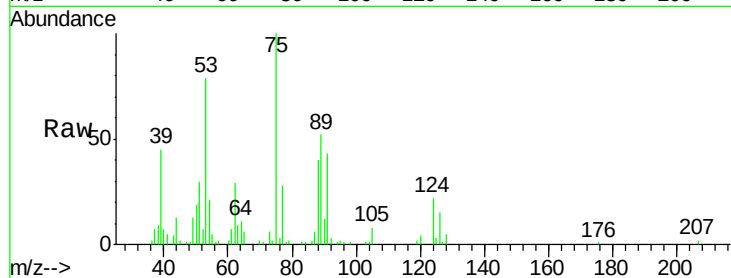
Tgt Ion: 75 Resp: 20853

Ion Ratio Lower Upper

75 100

53 79.0 65.9 98.9

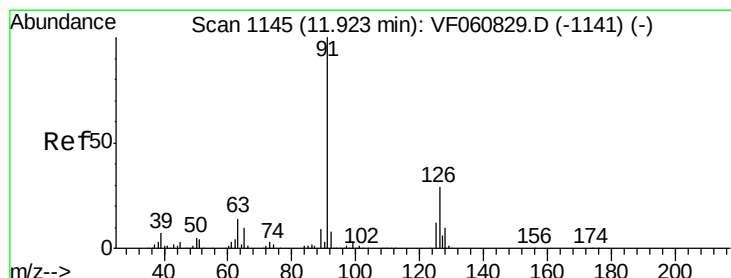
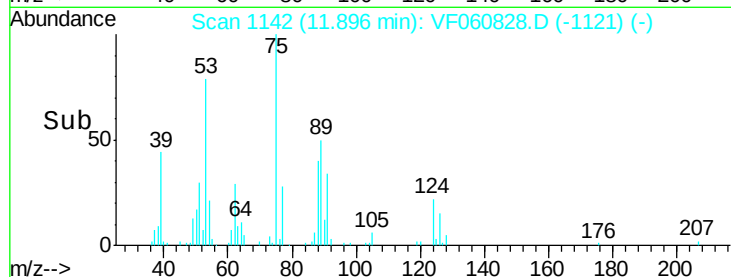
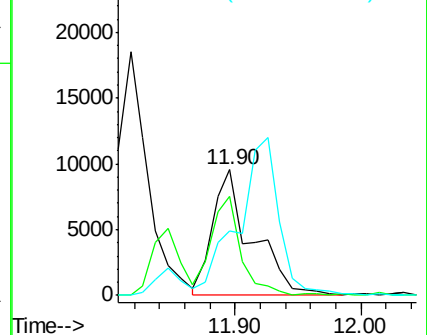
89 51.7 38.8 58.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.552 ug/l

RT: 11.93 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060828.D

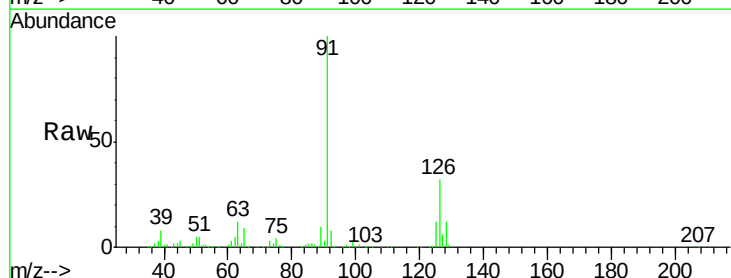
Acq: 26 Nov 2018 18:02

Tgt Ion: 91 Resp: 187809

Ion Ratio Lower Upper

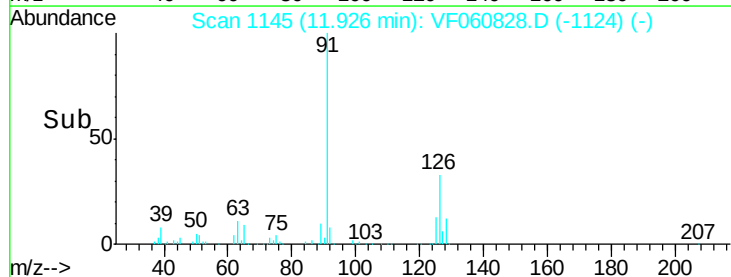
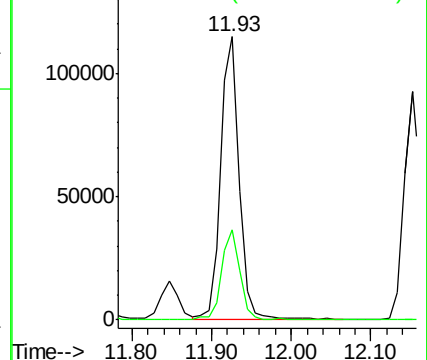
91 100

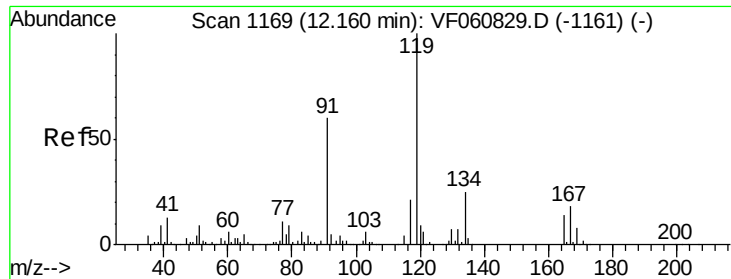
126 32.0 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

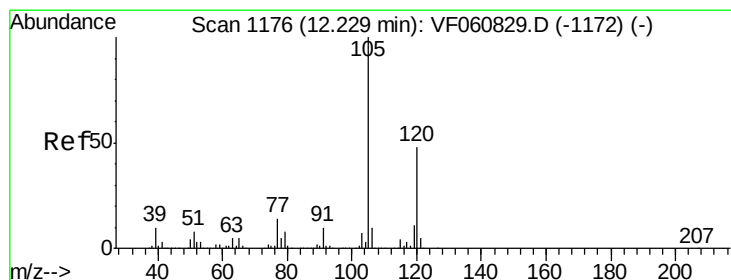
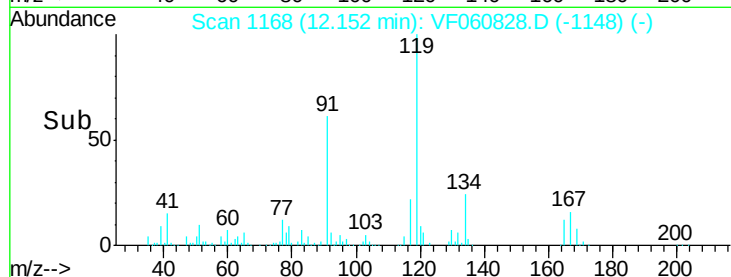
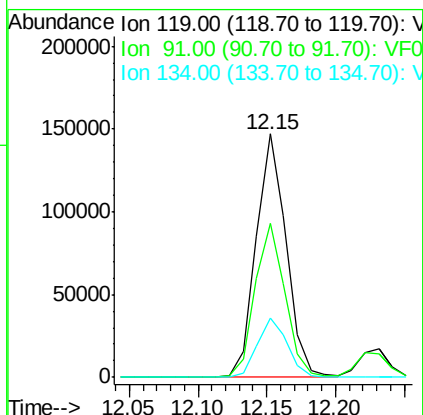
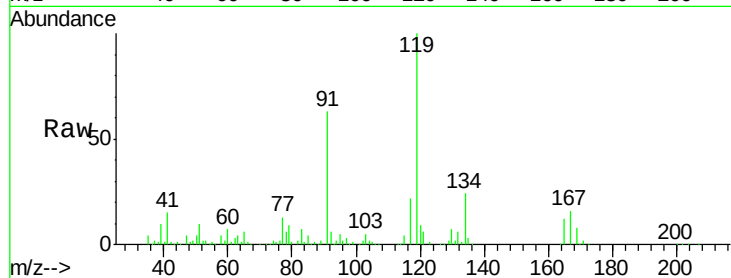




#83
 tert-Butylbenzene
 Concen: 20.572 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

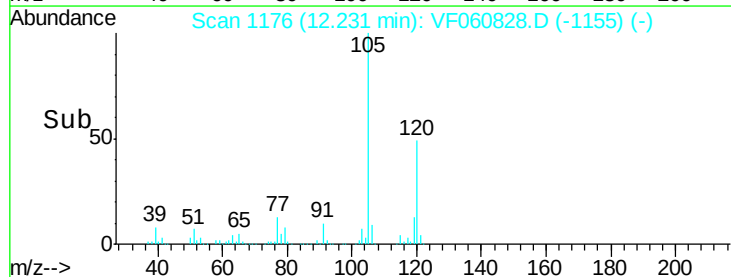
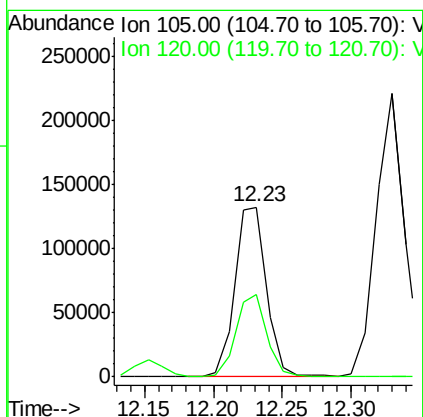
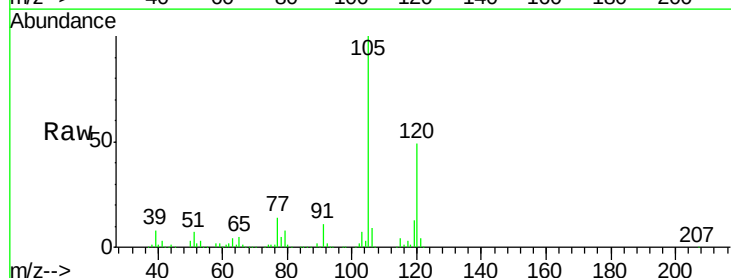
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

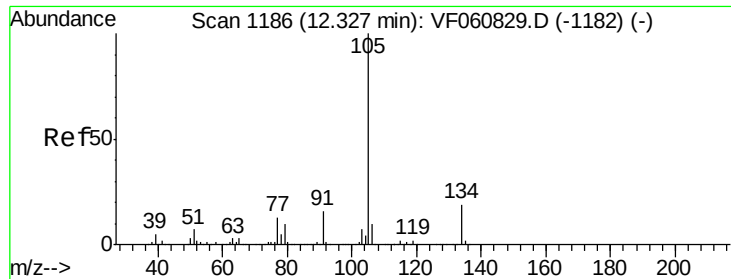
Tgt Ion:119 Resp: 224733
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.1 90.3
 134 24.3 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.586 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion:105 Resp: 211967
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.8 71.5

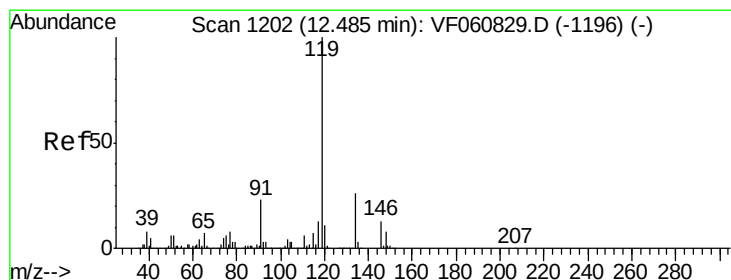
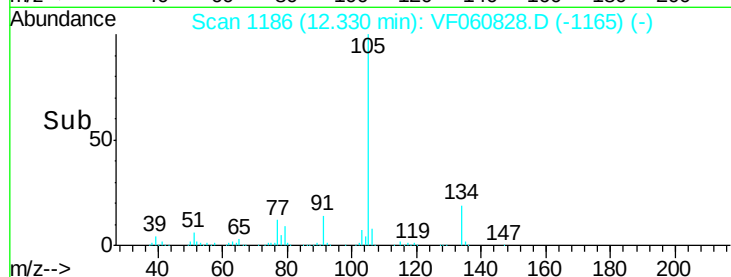
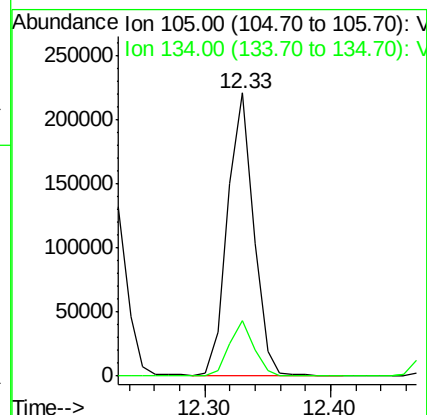
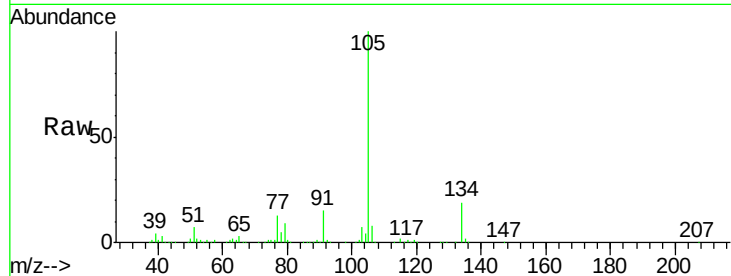




#85
 sec-Butylbenzene
 Concen: 21.130 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

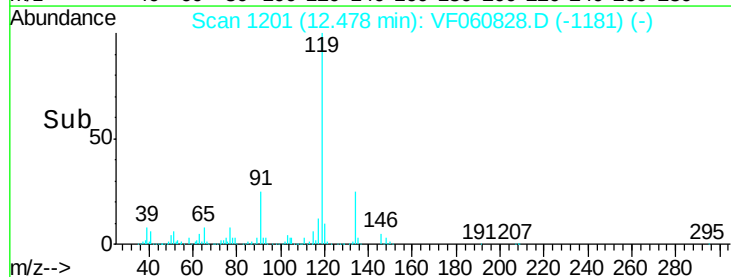
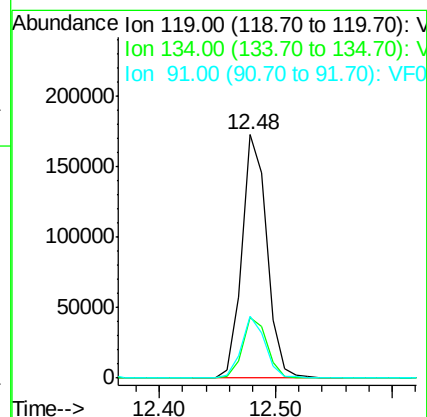
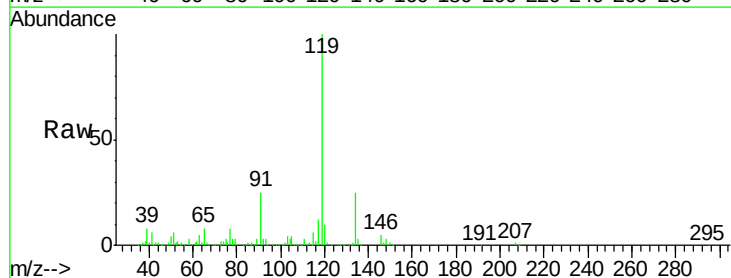
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

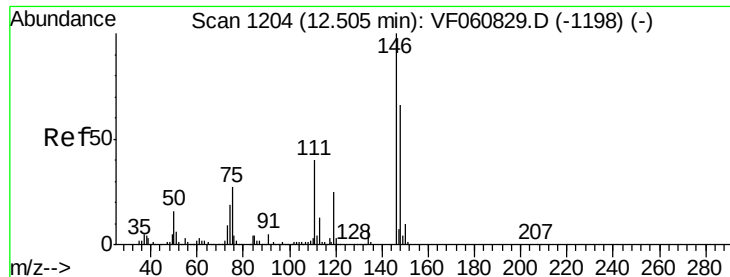
Tgt Ion:105 Resp: 315713
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 20.673 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion:119 Resp: 256413
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.9 38.6
 91 25.2 11.8 35.3

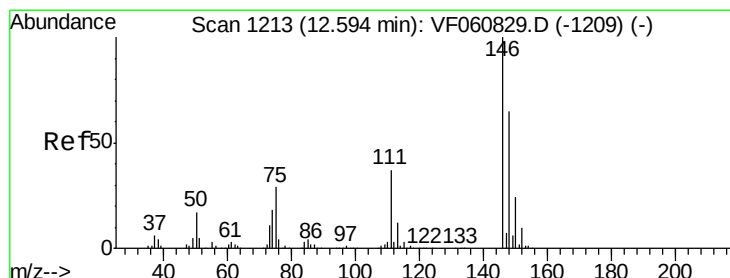
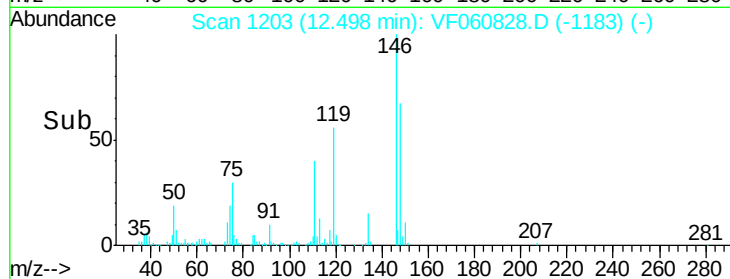
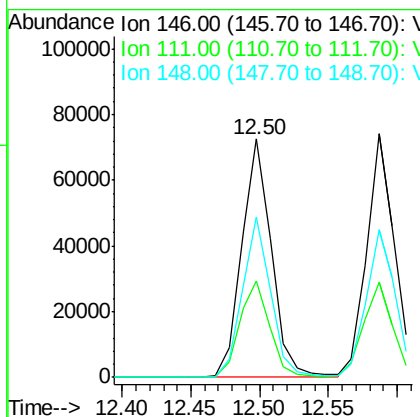
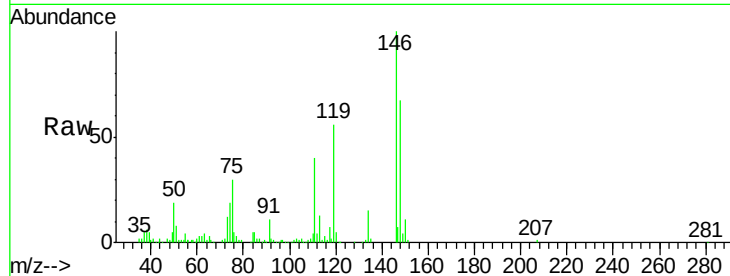




#87
 1,3-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

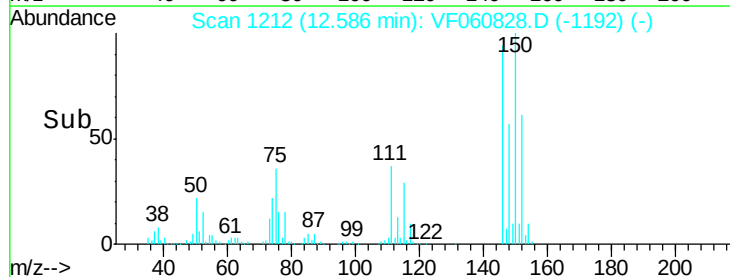
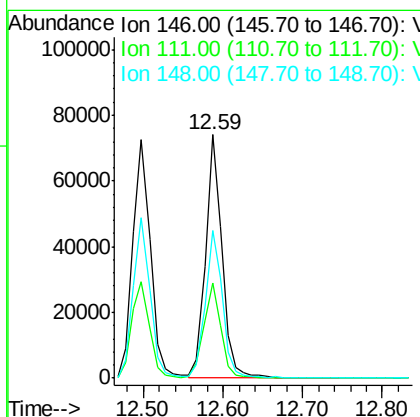
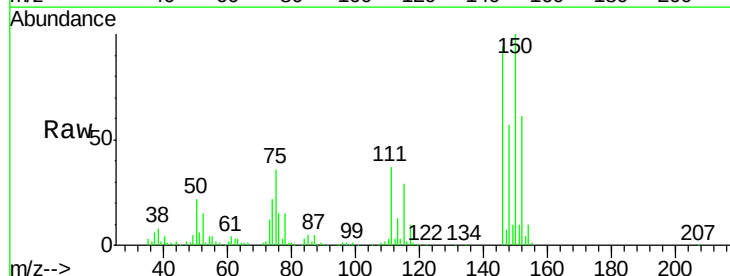
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

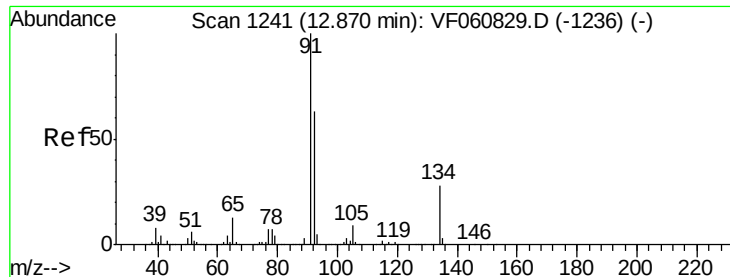
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	67.2	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.583 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.7
148	60.8	32.3	96.9





#89

n-Butylbenzene

Concen: 20.213 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

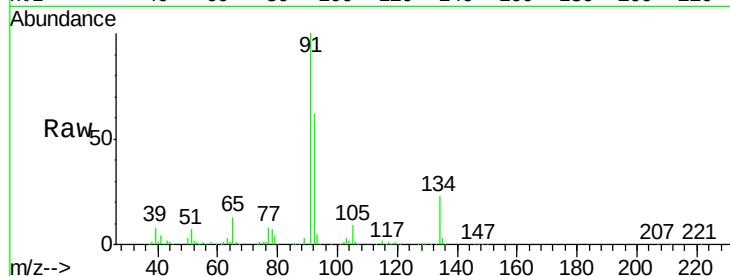
Tgt Ion: 91 Resp: 259876

Ion Ratio Lower Upper

91 100

92 62.1 31.6 94.7

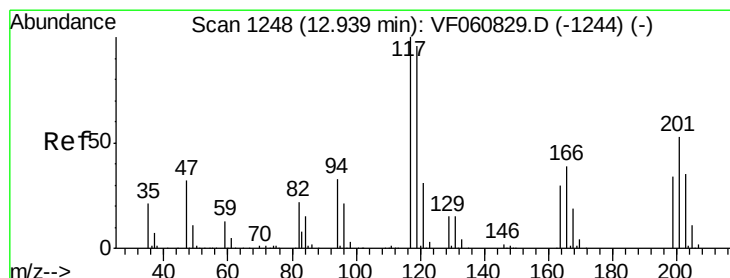
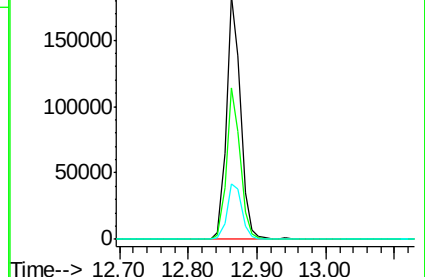
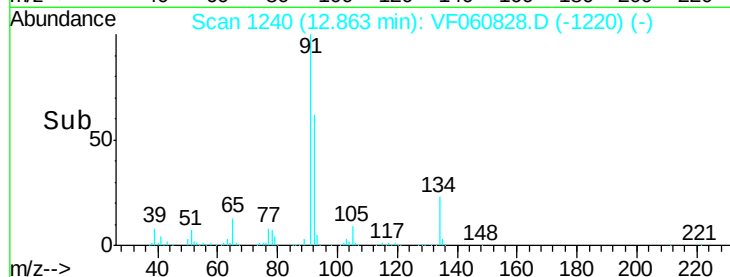
134 22.9 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.194 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF060828.D

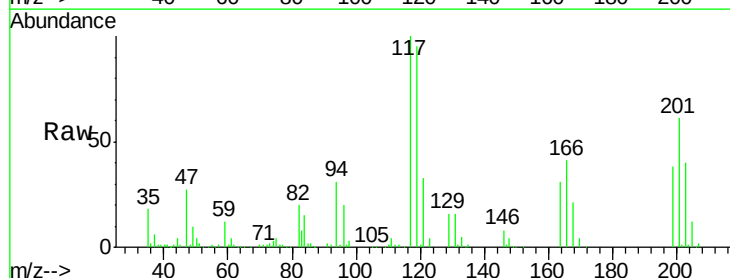
Acq: 26 Nov 2018 18:02

Tgt Ion: 117 Resp: 61363

Ion Ratio Lower Upper

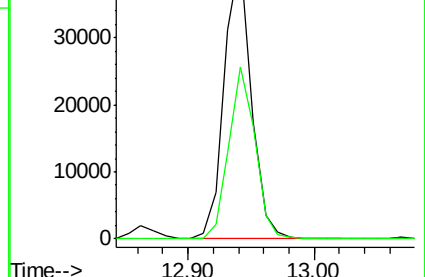
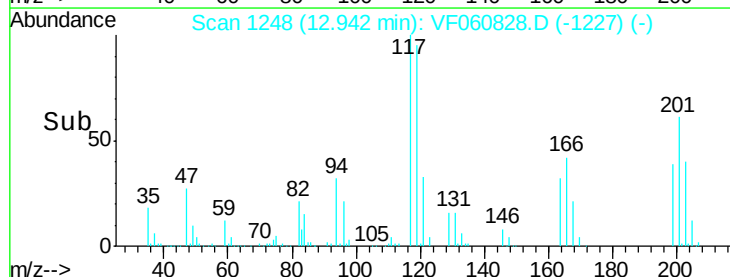
117 100

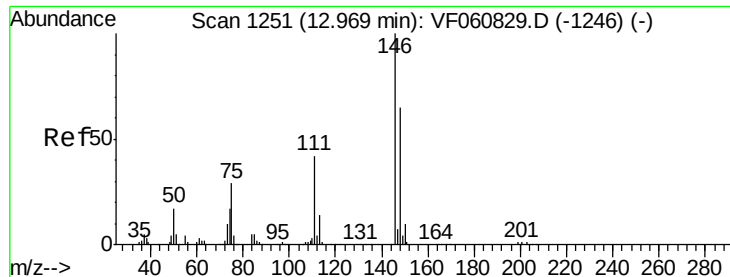
201 60.6 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

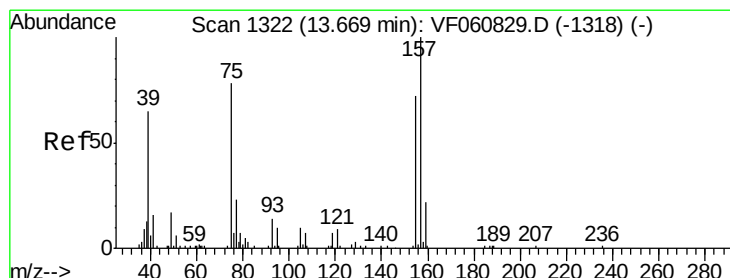
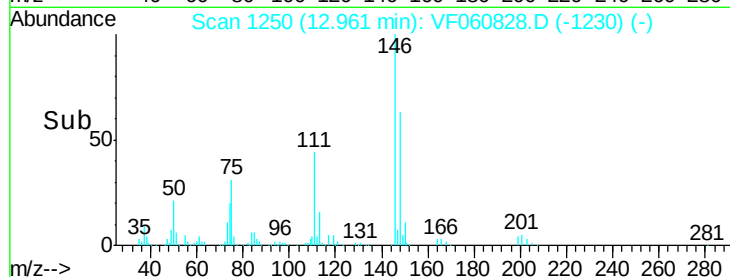
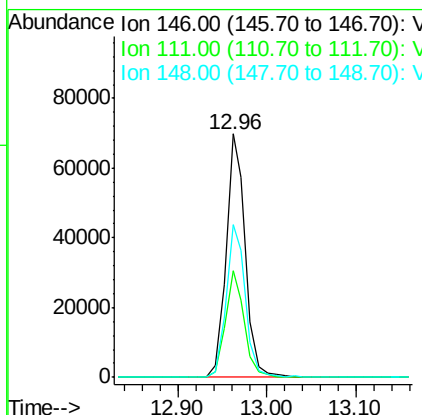
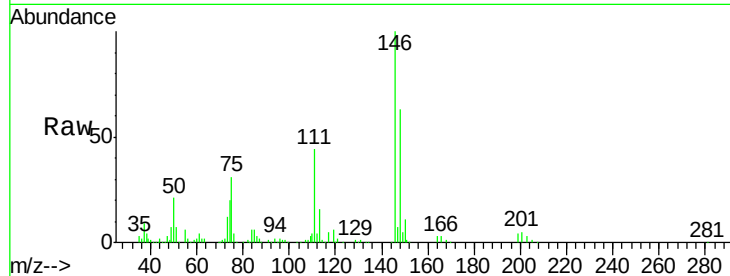




#91
 1,2-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

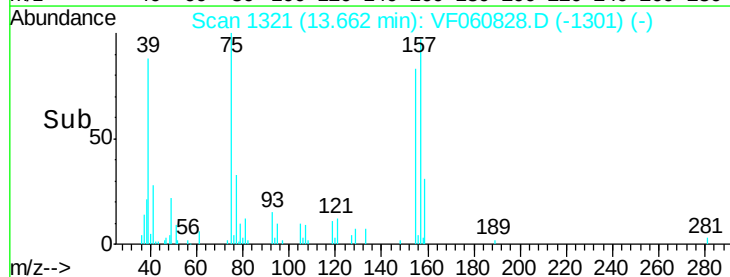
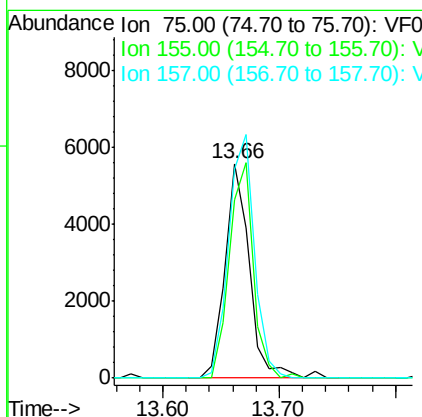
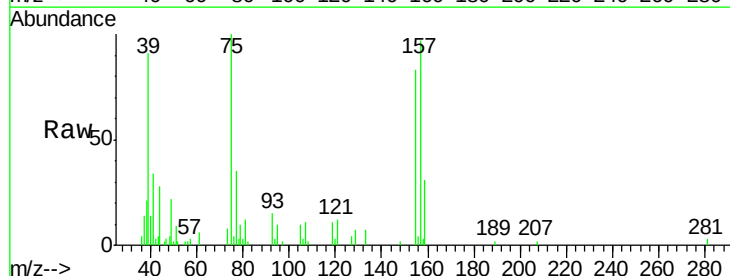
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

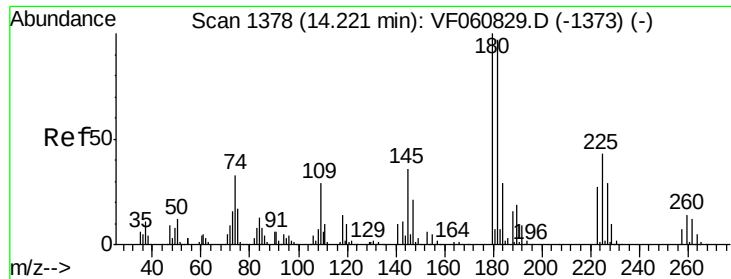
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.2	63.6
148	62.8	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.175 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	45.6	136.9
157	97.4	63.8	191.5

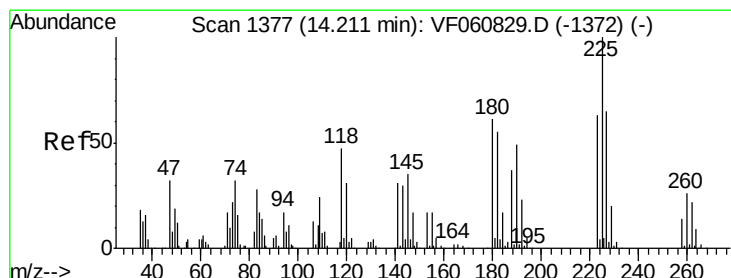
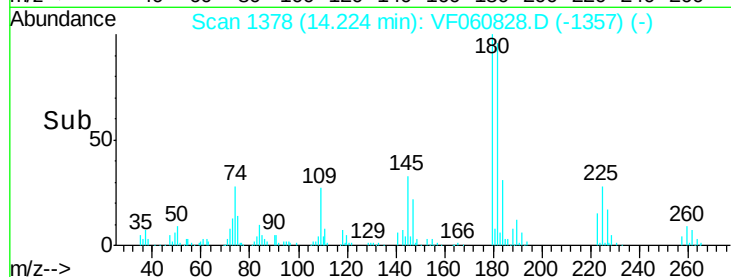
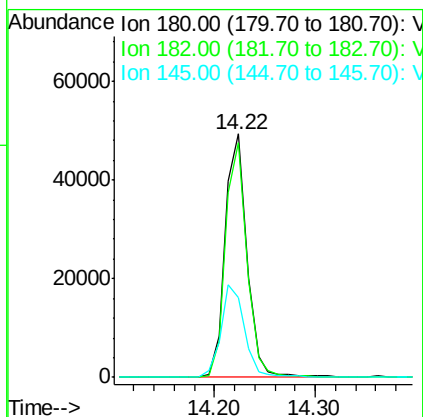
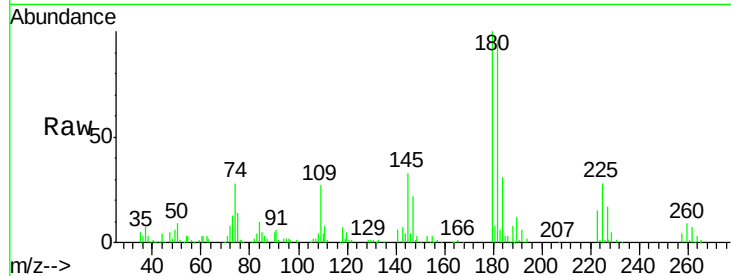




#93
 1,2,4-Trichlorobenzene
 Concen: 20.435 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

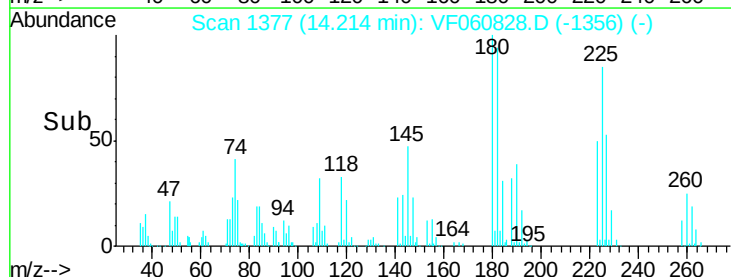
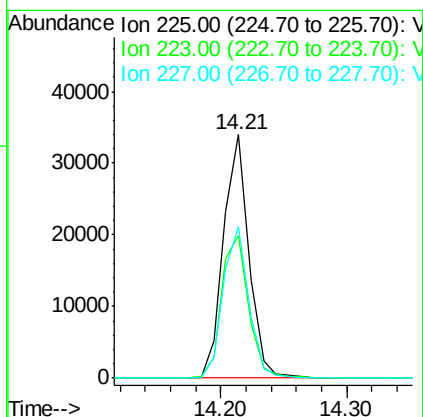
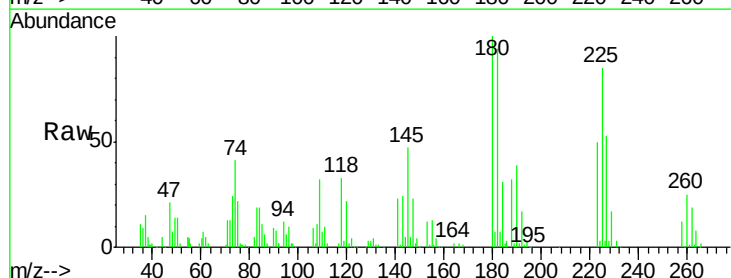
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

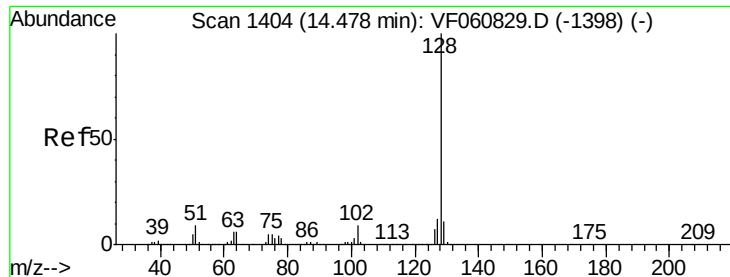
Tgt Ion:180 Resp: 74683
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.5
 145 32.9 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 19.971 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060828.D
 Acq: 26 Nov 2018 18:02

Tgt Ion:225 Resp: 47351
 Ion Ratio Lower Upper
 225 100
 223 58.4 31.4 94.3
 227 62.3 32.5 97.5





#95

Naphthalene

Concen: 22.816 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

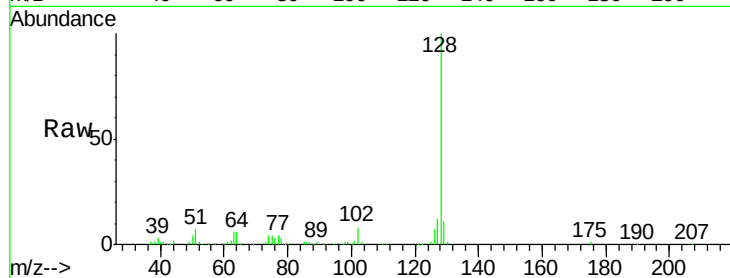
Tgt Ion:128 Resp: 152522

Ion Ratio Lower Upper

128 100

127 12.0 9.9 14.9

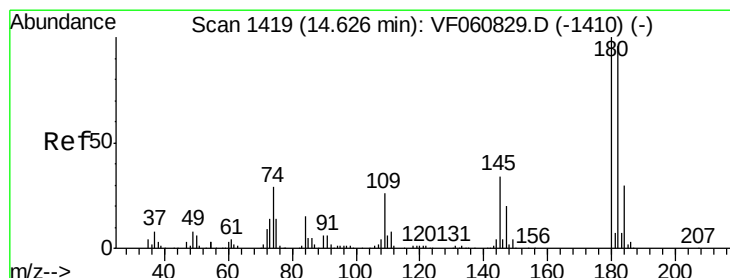
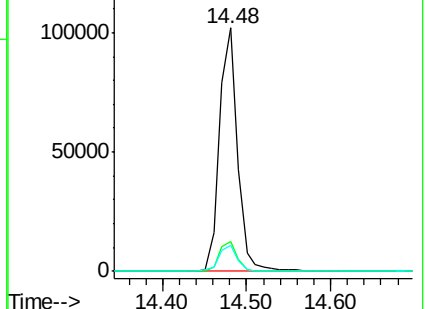
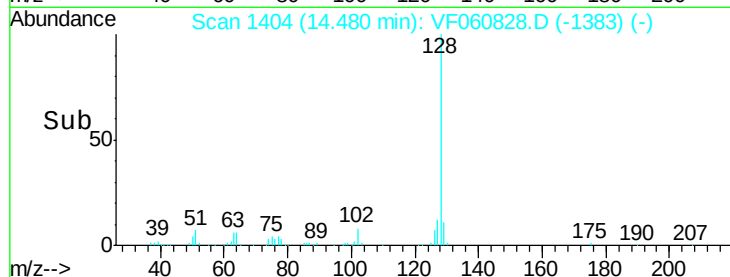
129 10.6 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.139 ug/l

RT: 14.63 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF060828.D

Acq: 26 Nov 2018 18:02

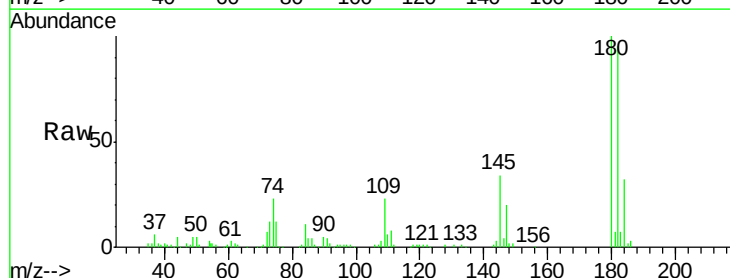
Tgt Ion:180 Resp: 67429

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

145 33.6 17.2 51.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

