

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060853.D
 Acq On : 28 Nov 2018 12:51
 Operator : VA/AP
 Sample : VF1128SBDS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Quant Time: Nov 29 03:28:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	210429	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	347405	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	329953	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	171288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	140529	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	4.14	113	152356	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	7.58	98	445870	54.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	11.43	95	202494	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	69727	22.161	ug/l	98
3) Chloromethane	1.11	50	43368	21.182	ug/l #	86
4) Vinyl Chloride	1.15	62	40650	21.286	ug/l	98
5) Bromomethane	1.33	94	31247	23.204	ug/l	89
6) Chloroethane	1.40	64	18466	22.369	ug/l	94
7) Trichlorofluoromethane	1.50	101	60350	14.728	ug/l	93
8) Diethyl Ether	1.64	74	13358	22.671	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42667	20.597	ug/l	92
10) Methyl Iodide	1.93	142	54413	17.281	ug/l	99
11) Tert butyl alcohol	2.60	59	11468	112.855	ug/l	98
12) 1,1-Dichloroethene	1.81	96	37041	22.231	ug/l	97
13) Acrolein	2.01	56	10280	106.773	ug/l	95
14) Allyl chloride	2.11	41	45456	21.888	ug/l	95
15) Acrylonitrile	2.97	53	26646	116.962	ug/l	87
16) Acetone	2.25	43	49810	108.963	ug/l	95
17) Carbon Disulfide	1.85	76	73210	16.387	ug/l	95
18) Methyl Acetate	2.36	43	19412	24.469	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	82313	21.934	ug/l	95
20) Methylene Chloride	2.19	84	12170	7.257	ug/l	91
21) trans-1,2-Dichloroethene	2.33	96	37618	23.418	ug/l	96
22) Diisopropyl ether	2.82	45	121665	21.523	ug/l	99
23) Vinyl Acetate	3.21	43	299927	116.071	ug/l	99
24) 1,1-Dichloroethane	2.89	63	73674	21.905	ug/l	98
25) 2-Butanone	4.36	43	92624	117.146	ug/l	95
26) 2,2-Dichloropropane	3.62	77	48375	22.186	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	61413	23.484	ug/l	95
28) Bromochloromethane	3.74	49	35915	22.251	ug/l	100
29) Tetrahydrofuran	4.11	42	38005	113.396	ug/l	97
30) Chloroform	3.89	83	112171	21.670	ug/l	98
31) Cyclohexane	3.71	56	53883	15.437	ug/l	96
32) 1,1,1-Trichloroethane	4.12	97	68846	19.178	ug/l	98
36) 1,1-Dichloropropene	4.30	75	81071	21.039	ug/l	97
37) Ethyl Acetate	4.12	43	34725	22.176	ug/l #	70
38) Carbon Tetrachloride	4.02	117	66938	19.668	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112818\
 Data File : VF060853.D
 Acq On : 28 Nov 2018 12:51
 Operator : VA/AP
 Sample : VF1128SBDS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Quant Time: Nov 29 03:28:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	84316	20.880	ug/l	96
40) Benzene	4.66	78	188634	22.159	ug/l	98
41) Methacrylonitrile	4.78	41	19780	22.244	ug/l	93
42) 1,2-Dichloroethane	4.97	62	63337	20.380	ug/l	95
43) Isopropyl Acetate	6.99	43	41314	19.738	ug/l #	85
44) Trichloroethene	5.53	130	62355	22.403	ug/l	98
45) 1,2-Dichloropropane	6.26	63	50095	22.658	ug/l	98
46) Dibromomethane	6.12	93	32387	21.595	ug/l	98
47) Bromodichloromethane	6.41	83	84999	21.338	ug/l	98
48) Methyl methacrylate	6.74	41	29819	21.038	ug/l	99
49) 1,4-Dioxane	6.74	88	4929	475.154	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	160355	111.050	ug/l	98
52) Toluene	7.65	92	123601	20.671	ug/l	93
53) t-1,3-Dichloropropene	8.31	75	72079	22.246	ug/l	100
54) cis-1,3-Dichloropropene	7.33	75	85388	21.287	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	37549	21.551	ug/l	96
56) Ethyl methacrylate	8.64	69	41213	21.293	ug/l	97
57) 1,3-Dichloropropane	8.88	76	67456	22.129	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.32	63	17964	90.739	ug/l #	89
59) 2-Hexanone	9.52	43	113125	111.668	ug/l	100
60) Dibromochloromethane	8.74	129	49326	19.000	ug/l	99
61) 1,2-Dibromoethane	9.02	107	38510	20.460	ug/l	95
64) Tetrachloroethene	8.18	164	51595	20.473	ug/l	98
65) Chlorobenzene	9.83	112	137417	21.408	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	58278	21.119	ug/l	95
67) Ethyl Benzene	9.93	91	260875	21.831	ug/l	98
68) m/p-Xylenes	10.16	106	190003	44.208	ug/l	93
69) o-Xylene	10.73	106	102146	21.553	ug/l	88
70) Styrene	10.81	104	146410	22.285	ug/l	98
71) Bromoform	10.79	173	27697	20.780	ug/l	97
73) Isopropylbenzene	11.15	105	311645	23.023	ug/l	99
74) N-amyl acetate	11.39	43	74444	23.817	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	51657	23.188	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	36446	22.508	ug/l	98
77) Bromobenzene	11.51	156	62180	20.953	ug/l	82
78) n-propylbenzene	11.61	91	348041	21.956	ug/l	100
79) 2-Chlorotoluene	11.74	91	207349	22.813	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	250583	22.803	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.89	75	22704	28.617	ug/l	96
82) 4-Chlorotoluene	11.92	91	205423	21.476	ug/l	95
83) tert-Butylbenzene	12.14	119	256397	22.906	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	246139	22.443	ug/l	97
85) sec-Butylbenzene	12.32	105	342484	22.351	ug/l	98
86) p-Isopropyltoluene	12.48	119	292917	22.801	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	127334	22.557	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	117416	21.344	ug/l	98
89) n-Butylbenzene	12.86	91	294827	22.696	ug/l	99
90) Hexachloroethane	12.93	117	69120	22.343	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	119578	22.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8836	20.515	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112818\
Data File : VF060853.D
Acq On : 28 Nov 2018 12:51
Operator : VA/AP
Sample : VF1128SBDS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Quant Time: Nov 29 03:28:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

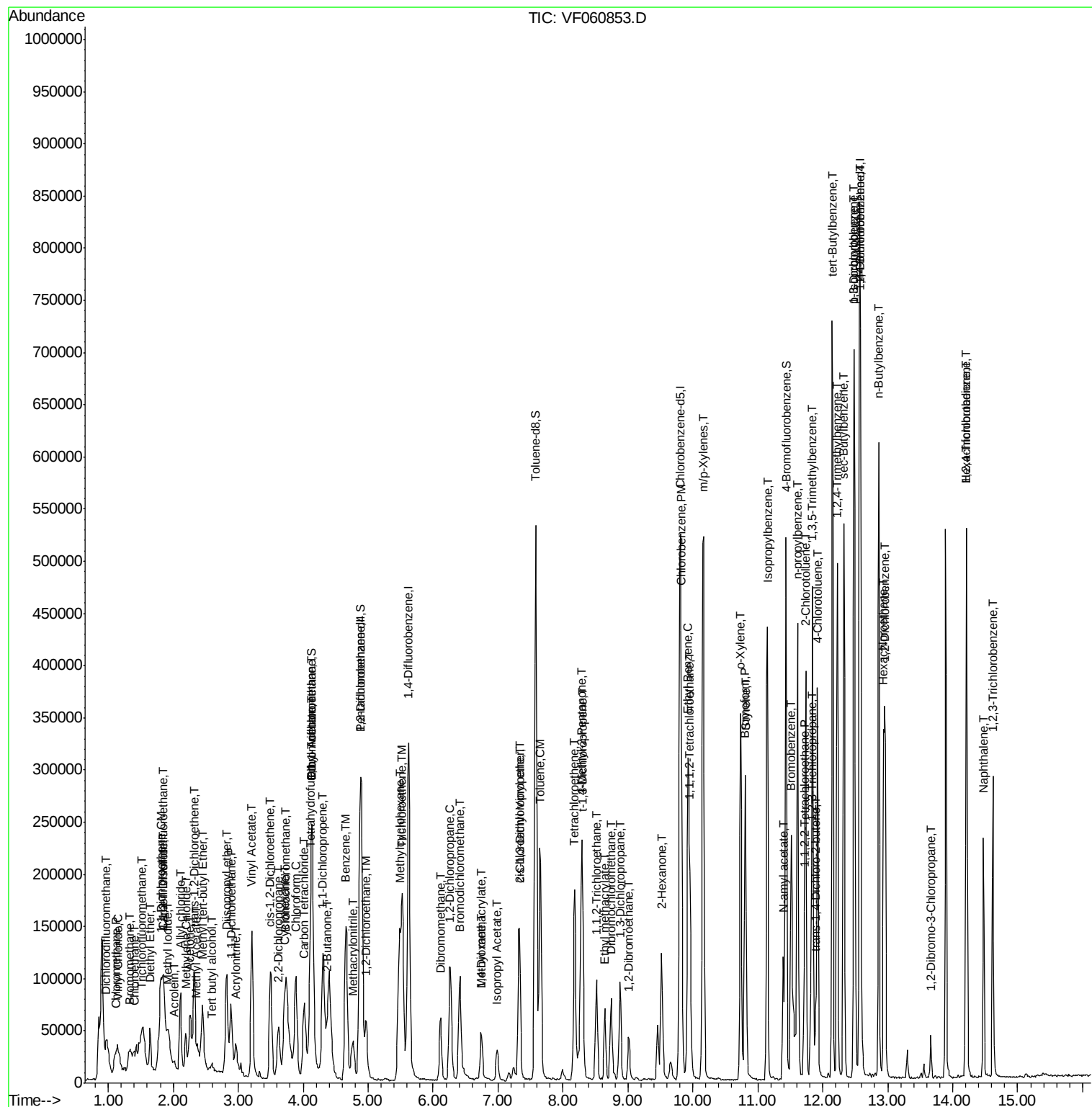
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82207	22.009	ug/l	95
94) Hexachlorobutadiene	14.21	225	50085	20.115	ug/l	99
95) Naphthalene	14.47	128	159587	19.907	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	73662	21.240	ug/l	99

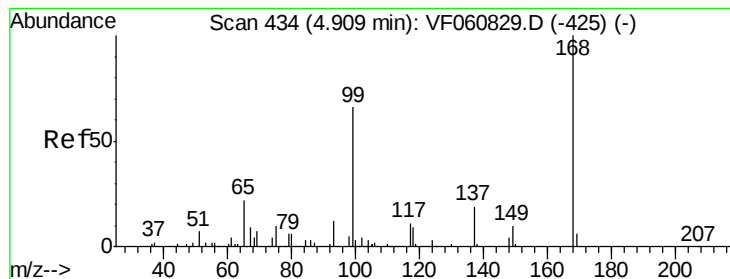
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112818\
 Data File : VF060853.D
 Acq On : 28 Nov 2018 12:51
 Operator : VA/AP
 Sample : VF1128SBDS01
 Misc : 5.00µL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Quant Time: Nov 29 03:28:03 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

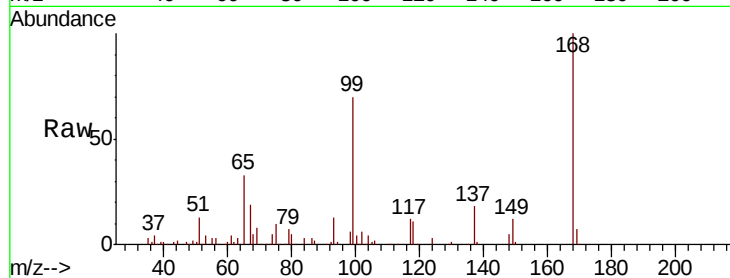
VF1128SBDS01

Tot Ion:168 Resp: 210429

Ion Ratio Lower Upper

168 100

99 70.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

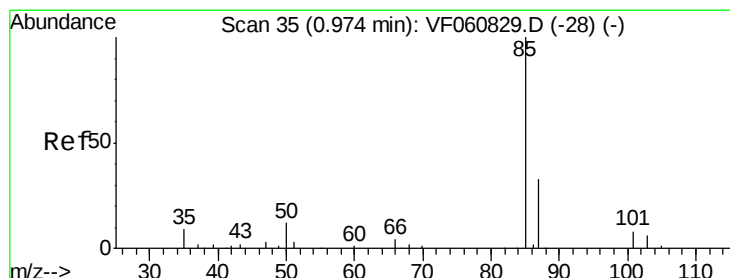
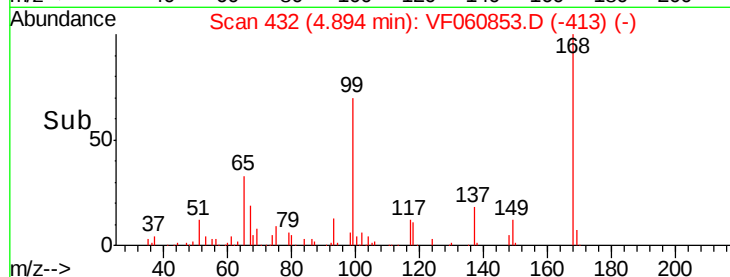
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.161 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060853.D

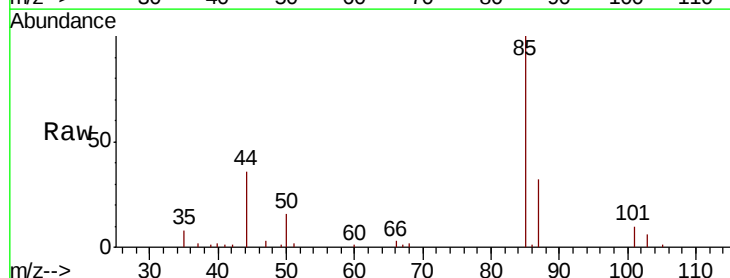
Acq: 28 Nov 2018 12:51

Tgt Ion: 85 Resp: 69727

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

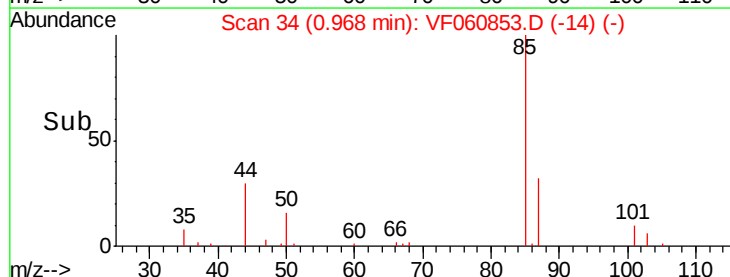
10000

5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 21.182 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

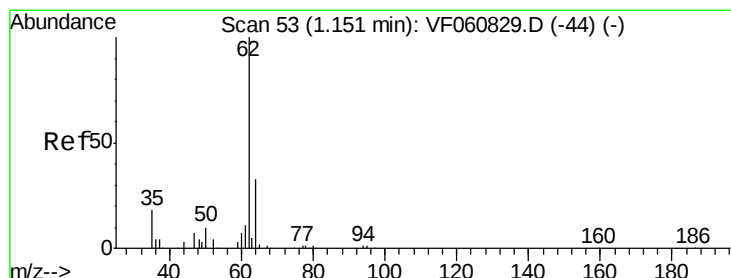
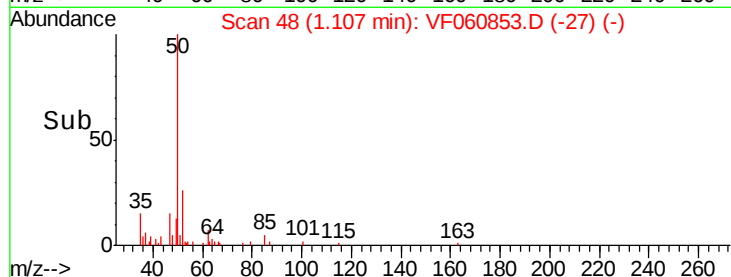
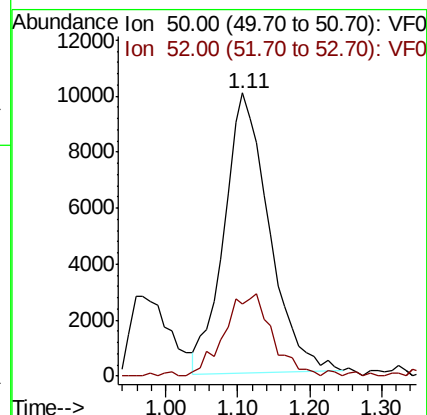
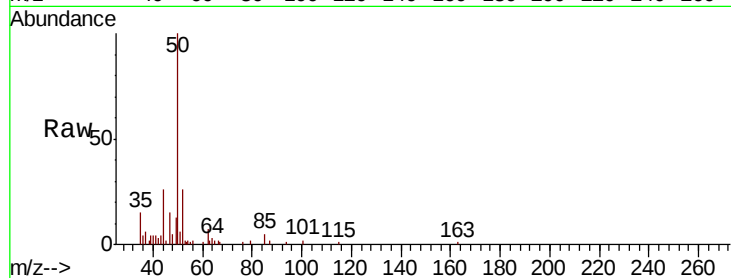
VF1128SBDS01

Tot Ion: 50 Resp: 43368

Ion Ratio Lower Upper

50 100

52 25.7 27.0 40.4#



#4

Vinyl Chloride

Concen: 21.286 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060853.D

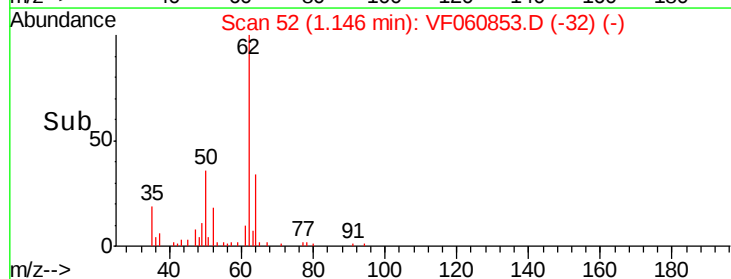
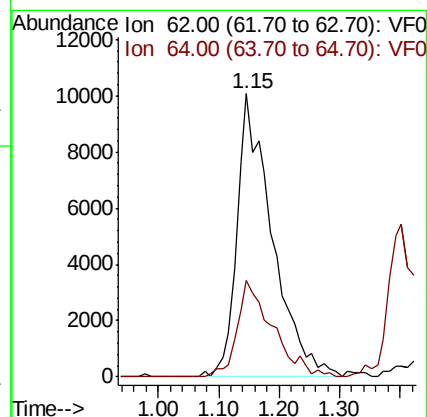
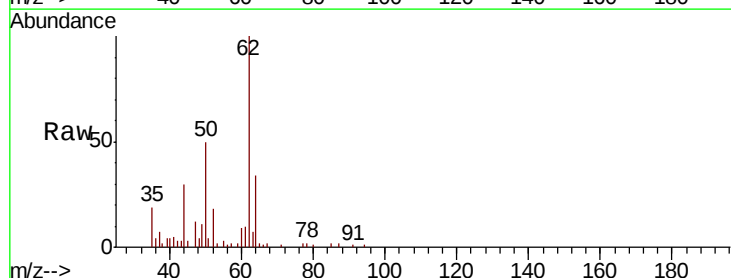
Acq: 28 Nov 2018 12:51

Tgt Ion: 62 Resp: 40650

Ion Ratio Lower Upper

62 100

64 34.1 26.4 39.6





#5

Bromomethane

Concen: 23.204 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

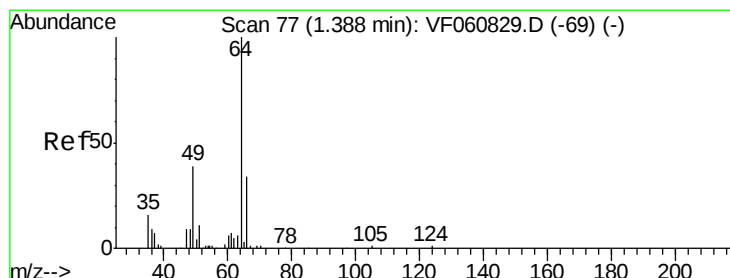
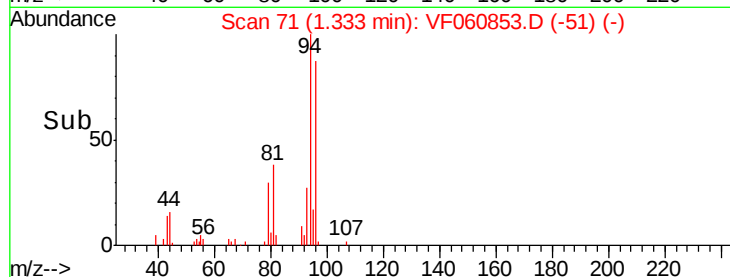
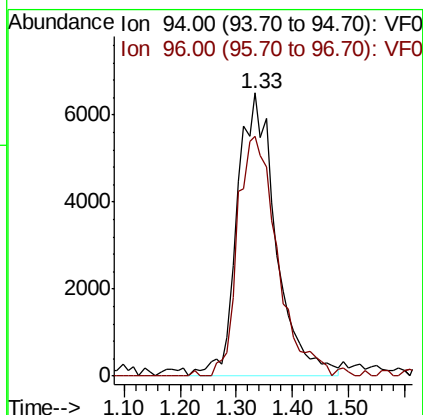
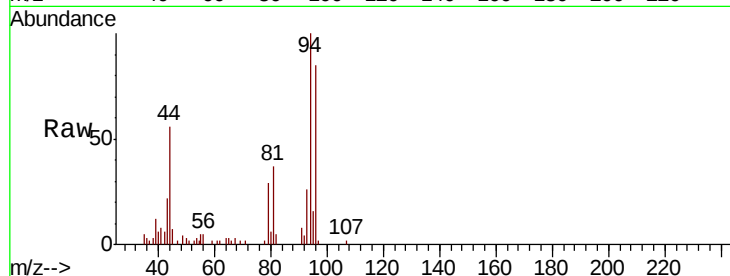
VF1128SBDS01

Tot Ion: 94 Resp: 31247

Ion Ratio Lower Upper

94 100

96 84.6 75.9 113.9



#6

Chloroethane

Concen: 22.369 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060853.D

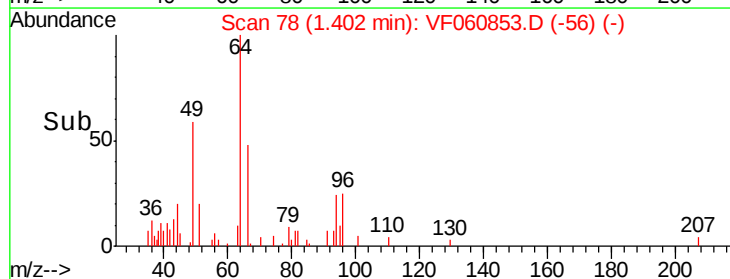
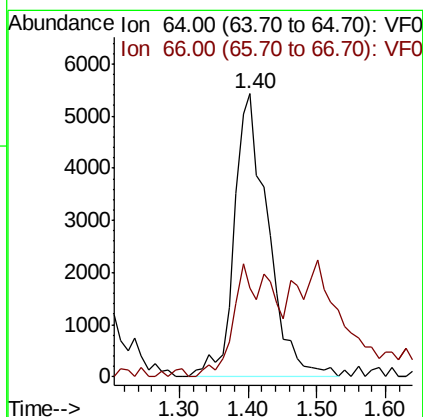
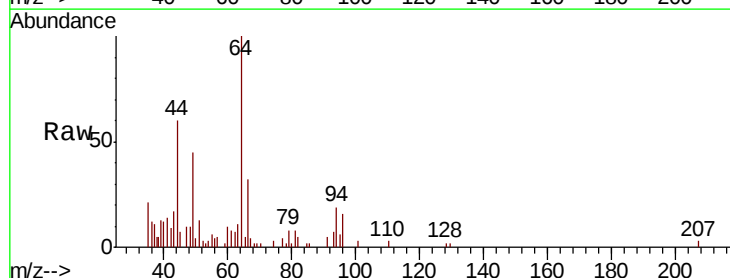
Acq: 28 Nov 2018 12:51

Tgt Ion: 64 Resp: 18466

Ion Ratio Lower Upper

64 100

66 31.6 28.1 42.1



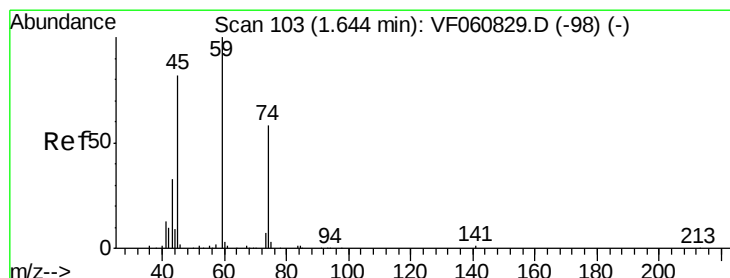
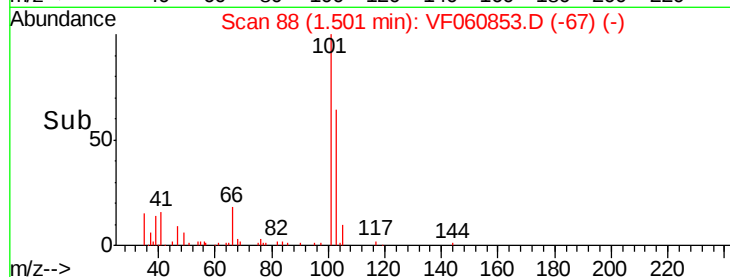
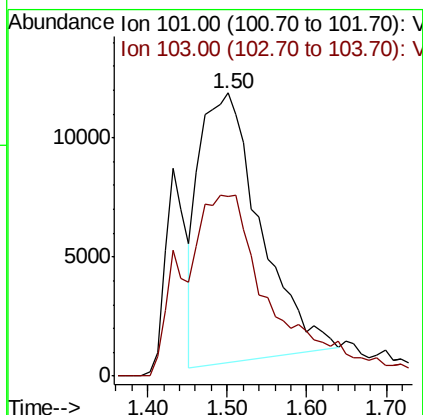
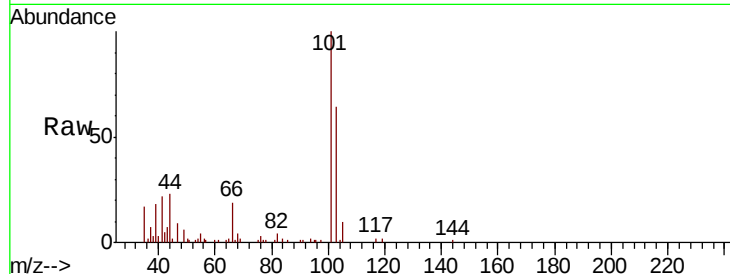


#7

Trichlorofluoromethane
 Concen: 14.728 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

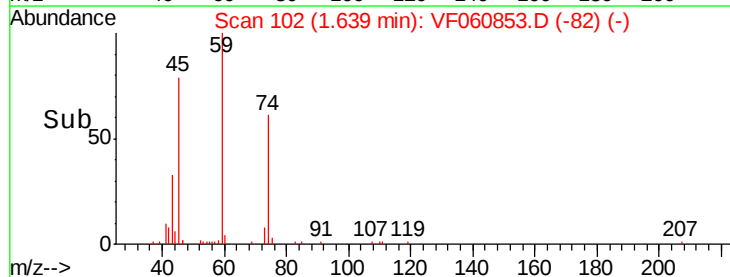
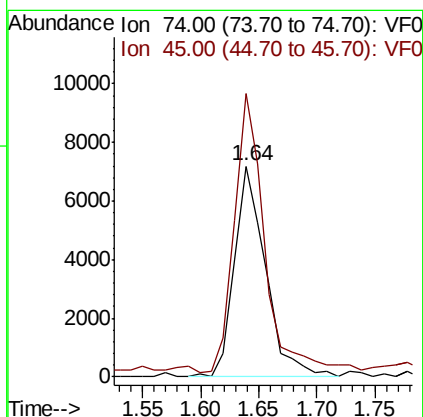
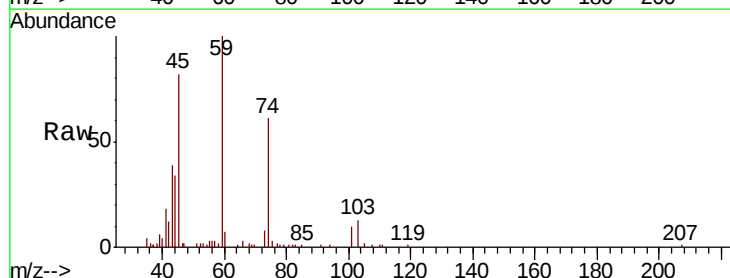
Tot Ion:101 Resp: 60350
 Ion Ratio Lower Upper
 101 100
 103 63.5 55.4 83.0



#8

Diethyl Ether
 Concen: 22.671 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 74 Resp: 13358
 Ion Ratio Lower Upper
 74 100
 45 134.2 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.597 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

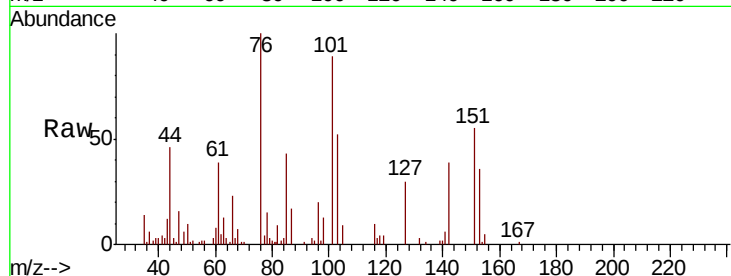
Tot Ion:101 Resp: 42667

Ion Ratio Lower Upper

101 100

85 48.0 42.8 64.2

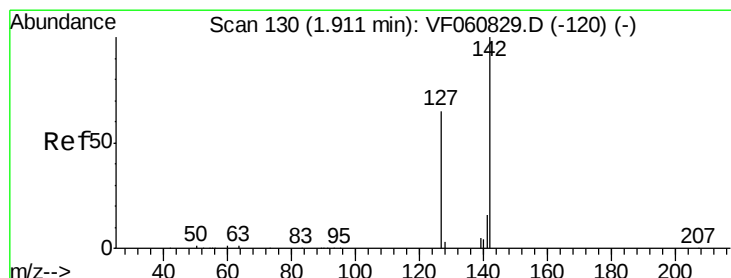
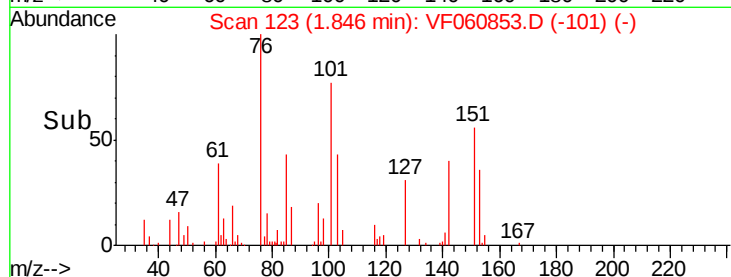
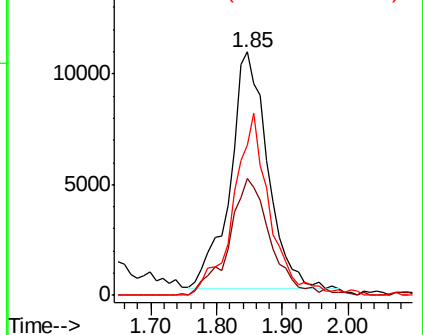
151 61.7 54.4 81.6



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: 17.281 ug/l

RT: 1.93 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

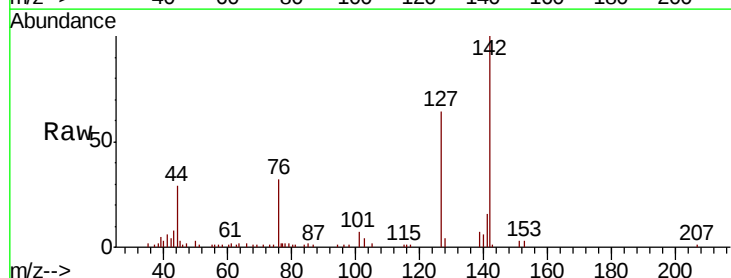
Tgt Ion:142 Resp: 54413

Ion Ratio Lower Upper

142 100

127 64.3 51.9 77.9

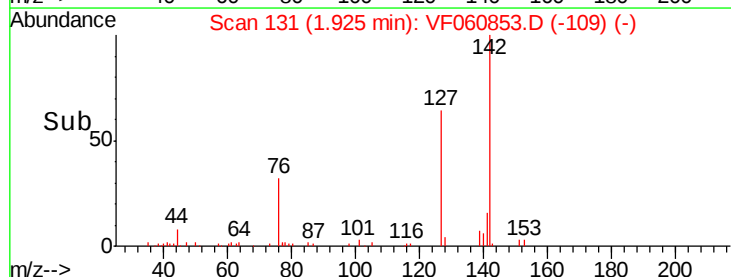
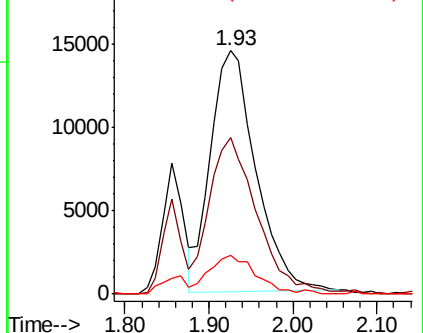
141 16.1 12.7 19.1

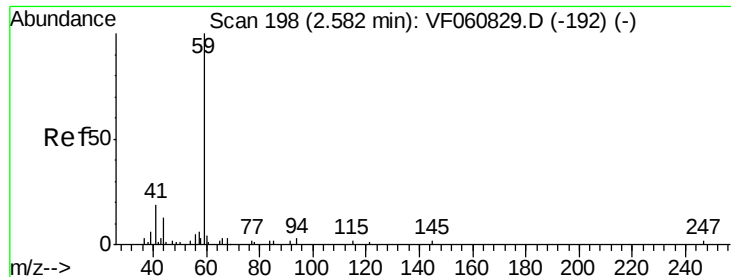


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



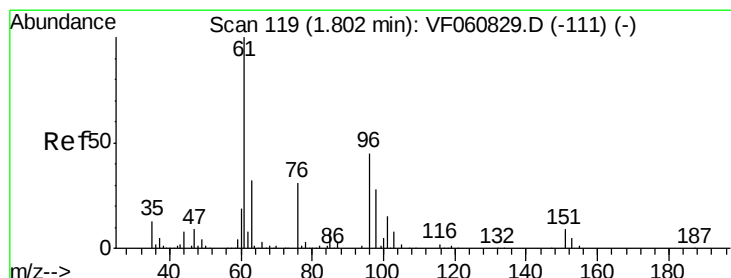
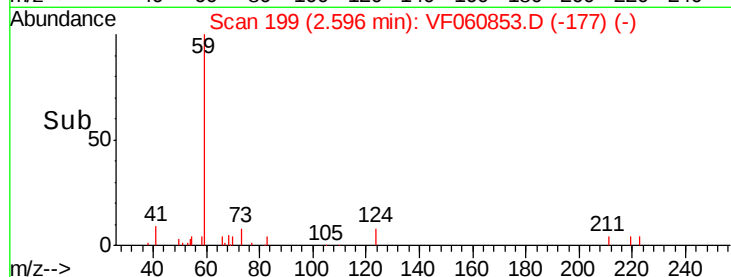
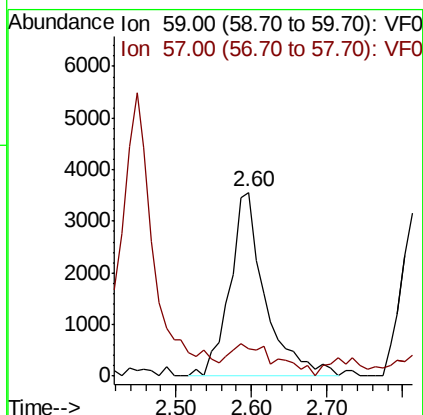
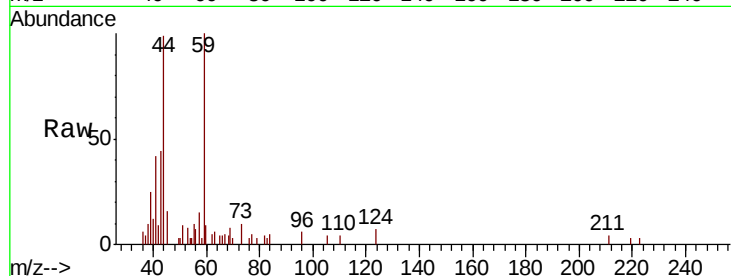


#11

Tert butyl alcohol
 Concen: 112.855 ug/l
 RT: 2.60 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

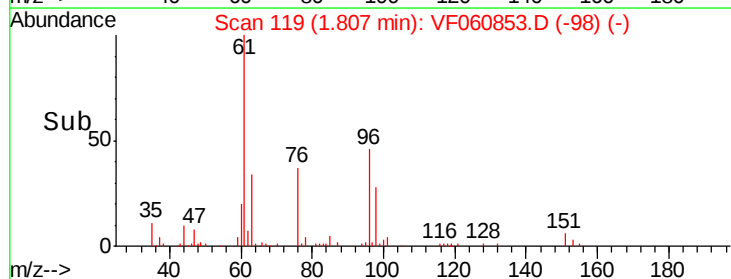
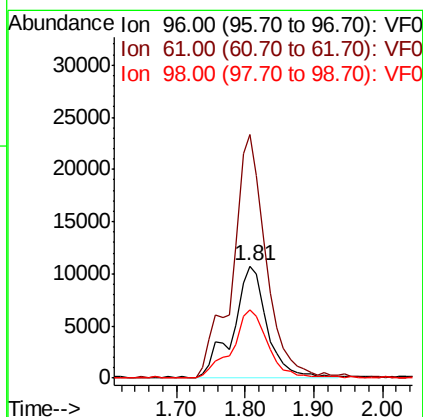
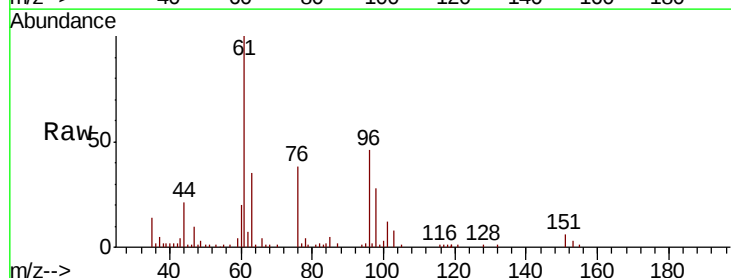
Tot Ion: 59 Resp: 11468
 Ion Ratio Lower Upper
 59 100
 57 15.2 12.7 19.1

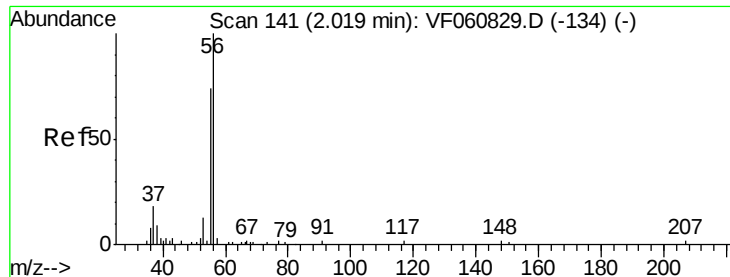


#12

1,1-Dichloroethene
 Concen: 22.231 ug/l
 RT: 1.81 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 96 Resp: 37041
 Ion Ratio Lower Upper
 96 100
 61 216.7 177.3 265.9
 98 60.2 49.6 74.4





#13

Acrolein

Concen: 106.773 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

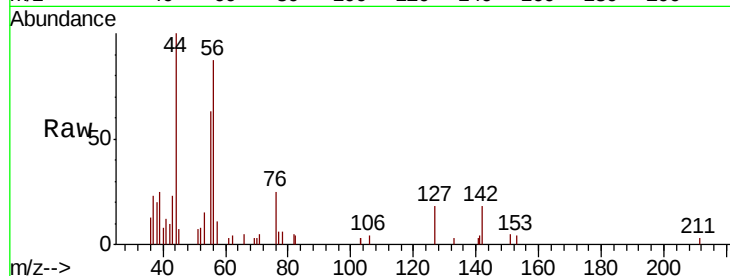
VF1128SBDS01

Tot Ion: 56 Resp: 10280

Ion Ratio Lower Upper

56 100

55 72.4 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

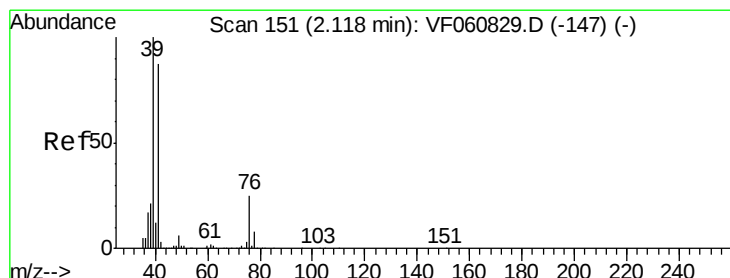
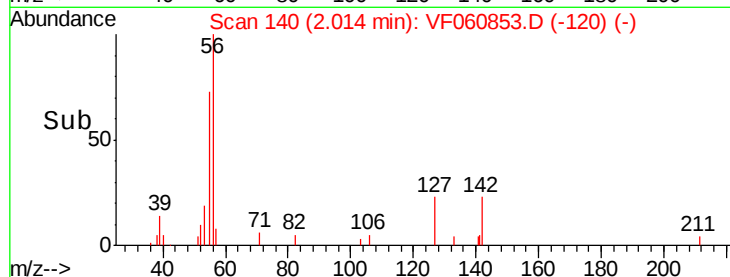
3000

2000

1000

0

Time--> 1.90 2.00 2.10 2.20



#14

Allyl chloride

Concen: 21.888 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

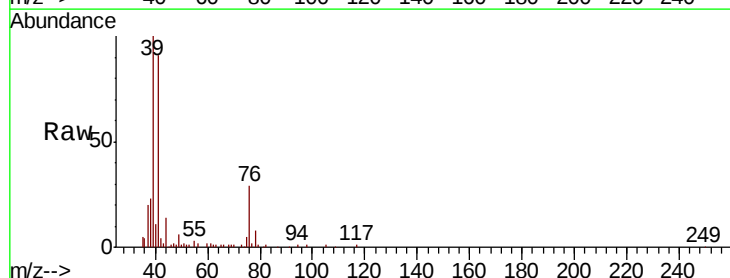
Tgt Ion: 41 Resp: 45456

Ion Ratio Lower Upper

41 100

39 110.0 91.7 137.5

76 32.4 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.11

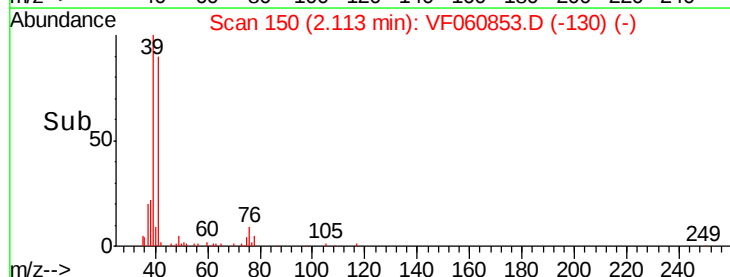
30000

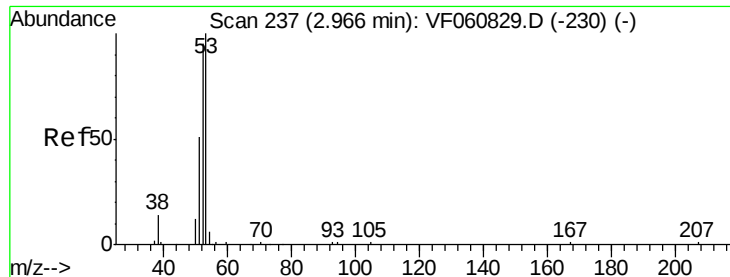
20000

10000

0

Time--> 2.00 2.10 2.20

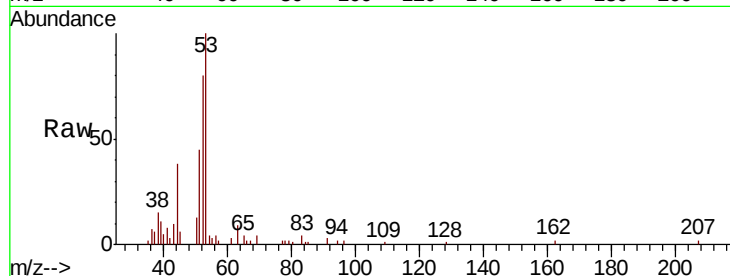




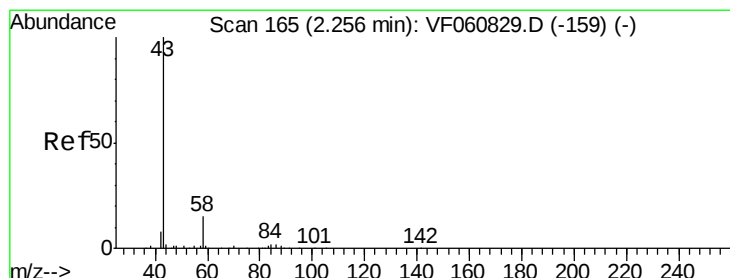
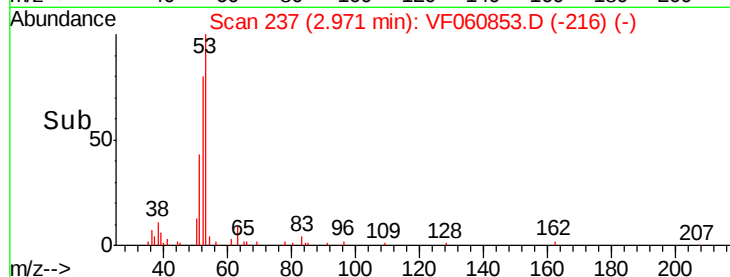
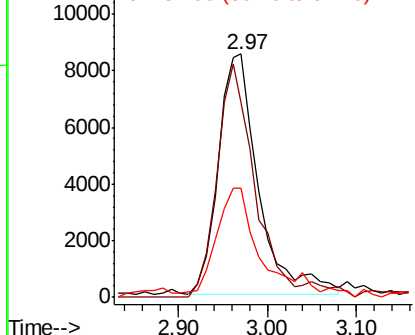
#15
 Acrylonitrile
 Concen: 116.962 ug/l
 RT: 2.97 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tot Ion: 53 Resp: 26646
 Ion Ratio Lower Upper
 53 100
 52 80.3 76.5 114.7
 51 44.8 40.7 61.1

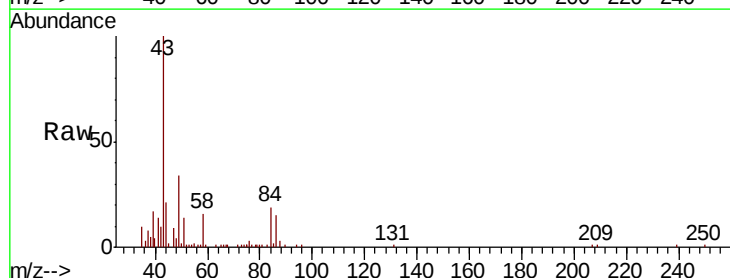


Abundance Ion 53.00 (52.70 to 53.70): VF0
 Ion 52.00 (51.70 to 52.70): VF0
 Ion 51.00 (50.70 to 51.70): VF0

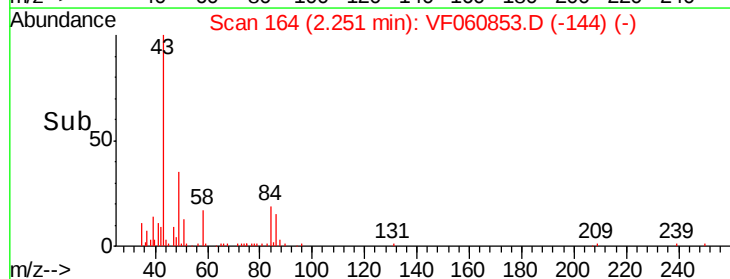
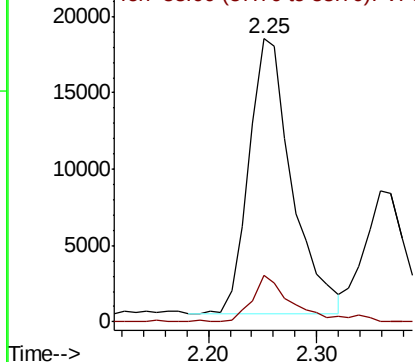


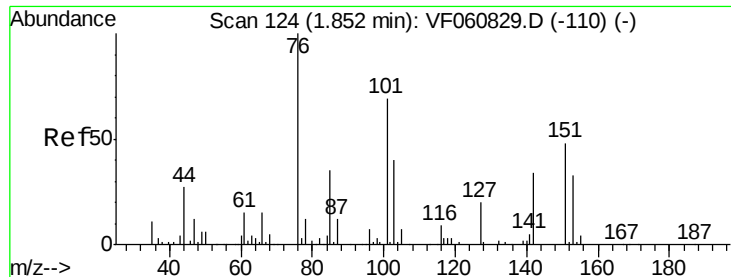
#16
 Acetone
 Concen: 108.963 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 43 Resp: 49810
 Ion Ratio Lower Upper
 43 100
 58 16.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

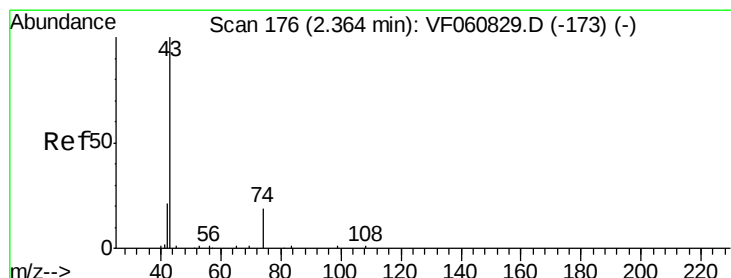
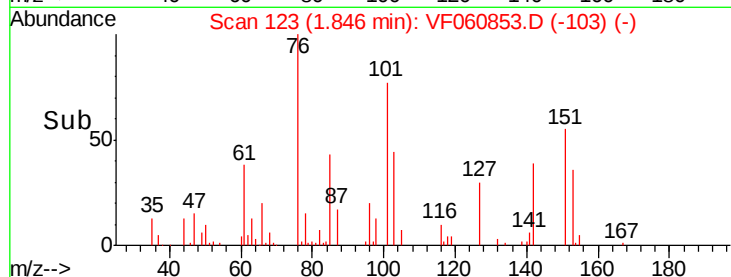
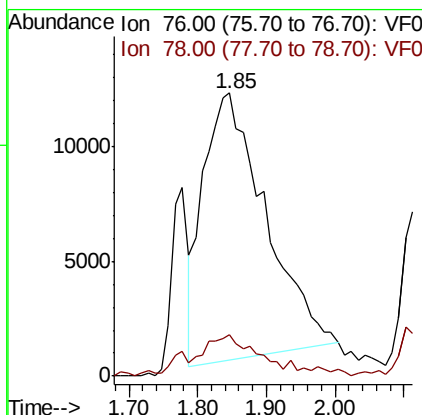
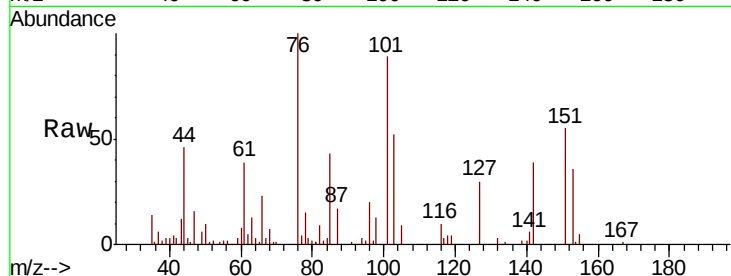




#17
Carbon Disulfide
Concen: 16.387 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

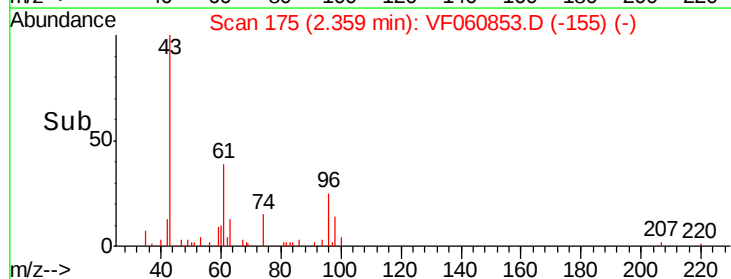
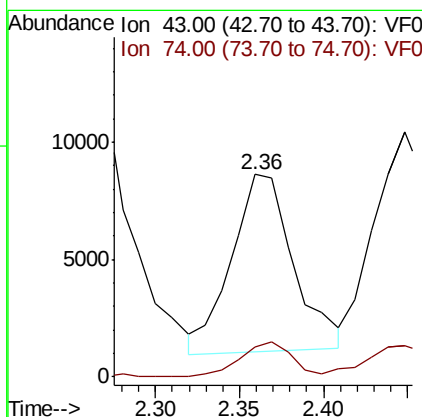
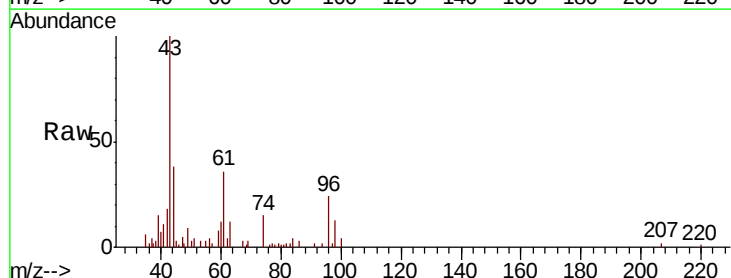
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

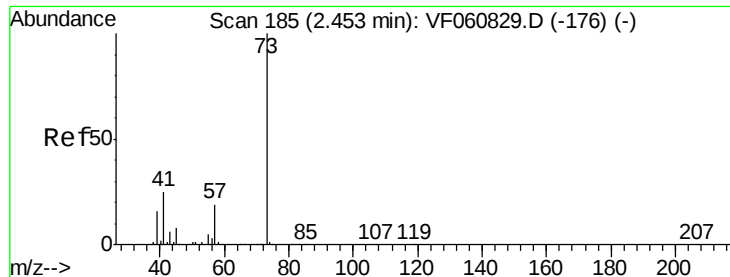
Tot Ion: 76 Resp: 73210
Ion Ratio Lower Upper
76 100
78 14.8 10.2 15.2



#18
Methyl Acetate
Concen: 24.469 ug/l
RT: 2.36 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 43 Resp: 19412
Ion Ratio Lower Upper
43 100
74 14.7 13.3 19.9

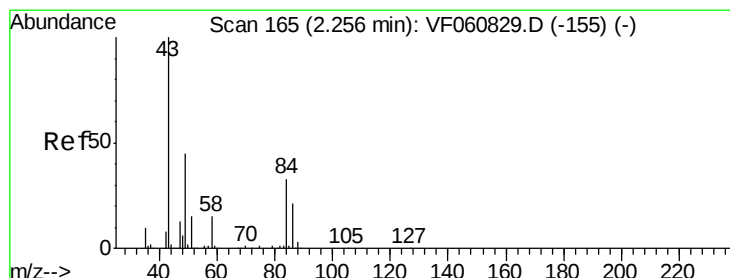
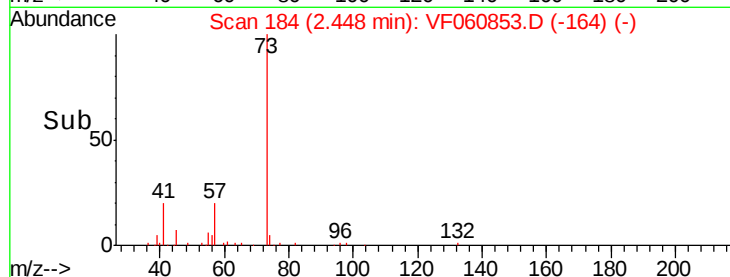
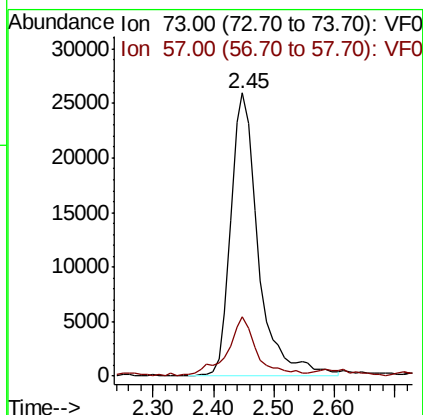
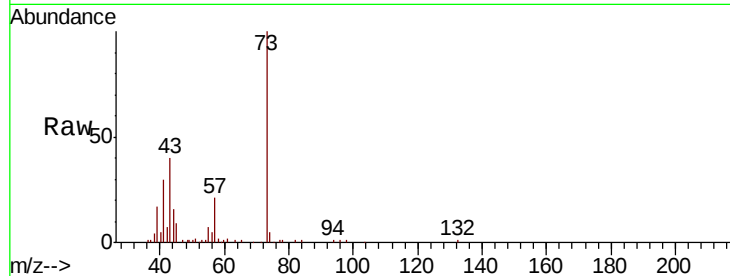




#19
Methvl tert-butvl Ether
Concen: 21.934 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

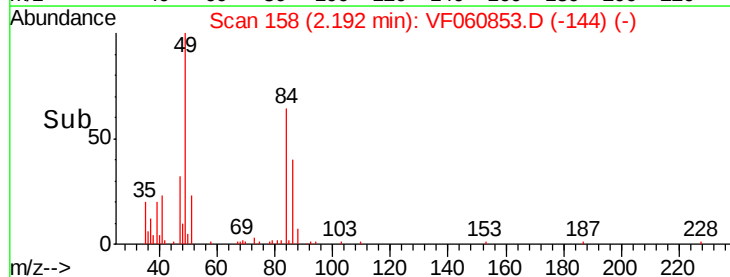
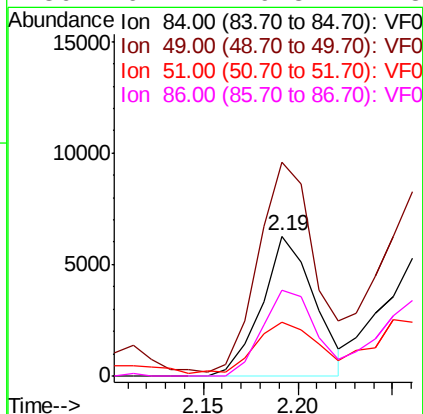
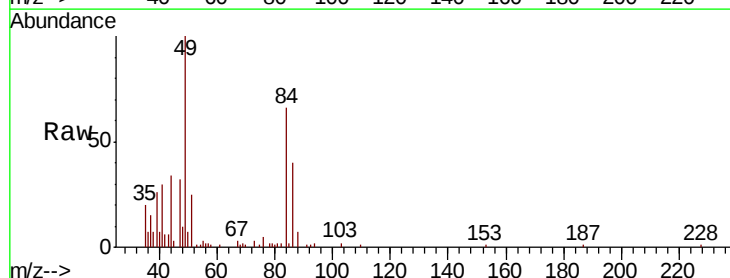
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

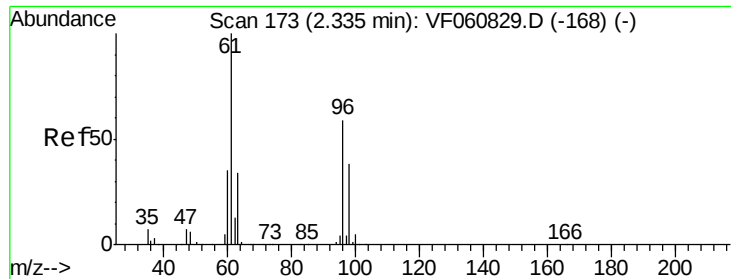
Tot Ion: 73 Resp: 82313
Ion Ratio Lower Upper
73 100
57 21.1 15.3 22.9



#20
Methylene Chloride
Concen: 7.257 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.06 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 84 Resp: 12170
Ion Ratio Lower Upper
84 100
49 152.7 111.3 166.9
51 38.1 38.0 57.0
86 61.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 23.418 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

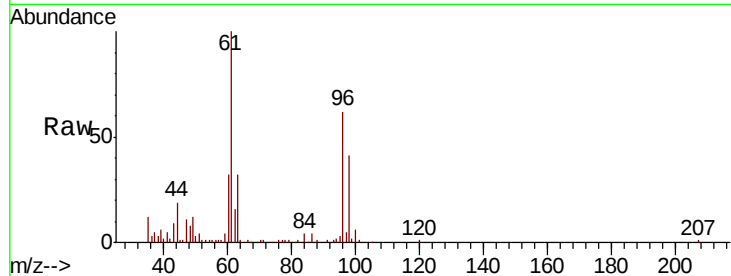
Tot Ion: 96 Resp: 37618

Ion Ratio Lower Upper

96 100

61 161.3 134.5 201.7

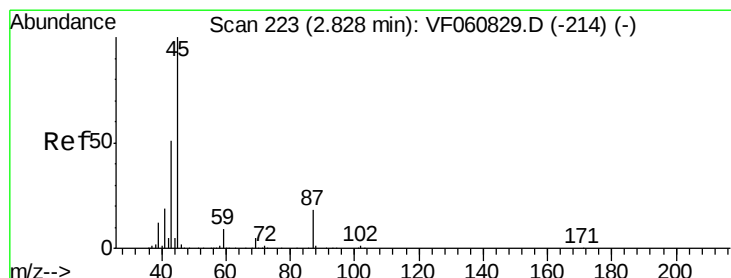
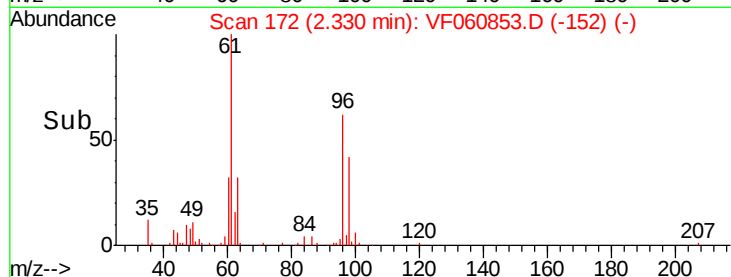
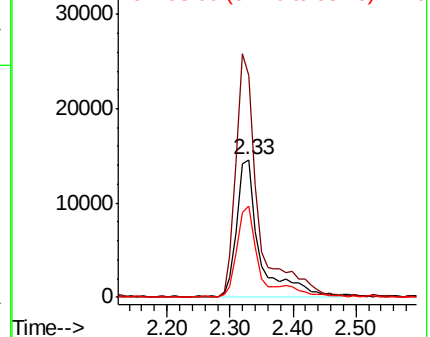
98 66.5 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 21.523 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion: 45 Resp: 121665

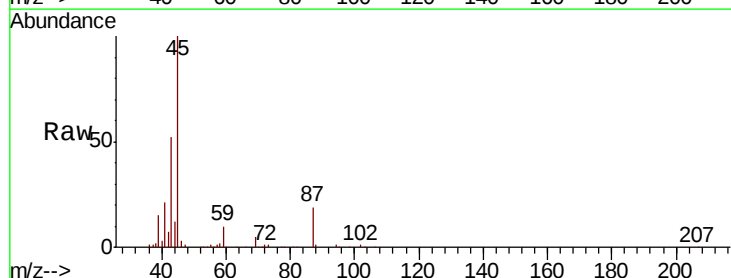
Ion Ratio Lower Upper

45 100

43 51.5 41.0 61.6

87 19.2 14.6 22.0

59 10.1 7.5 11.3

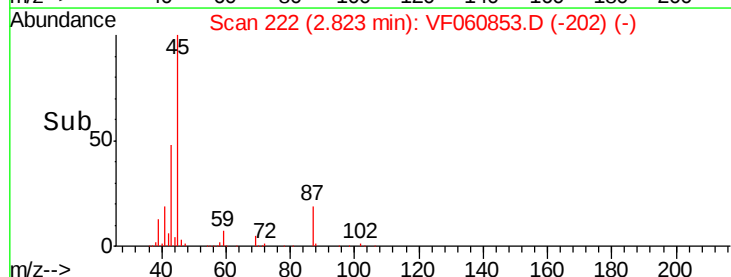
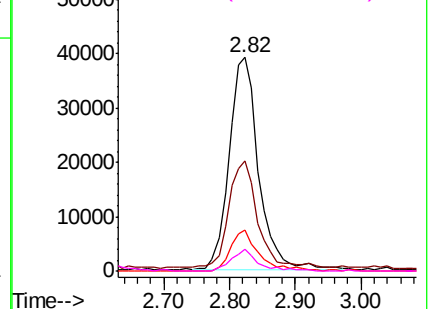


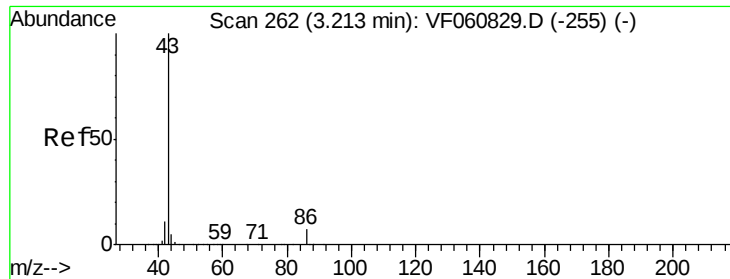
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 116.071 ug/l

RT: 3.21 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

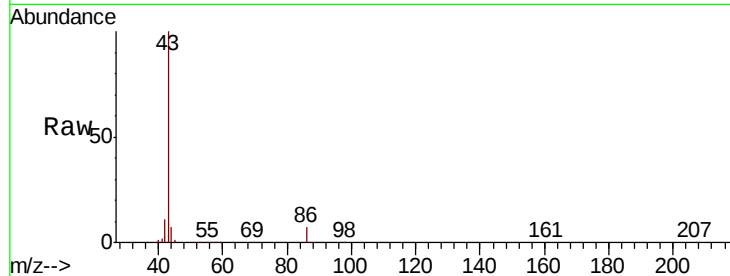
VF1128SBDS01

Tot Ion: 43 Resp: 299927

Ion Ratio Lower Upper

43 100

86 7.0 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.21

120000

100000

80000

60000

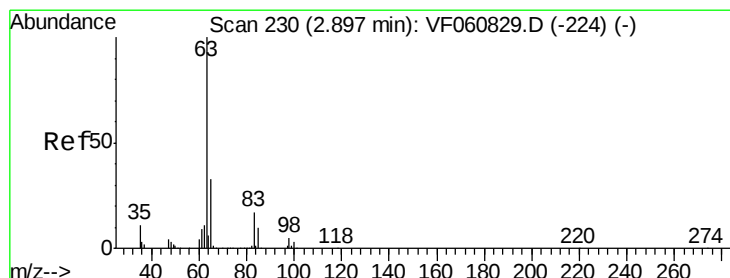
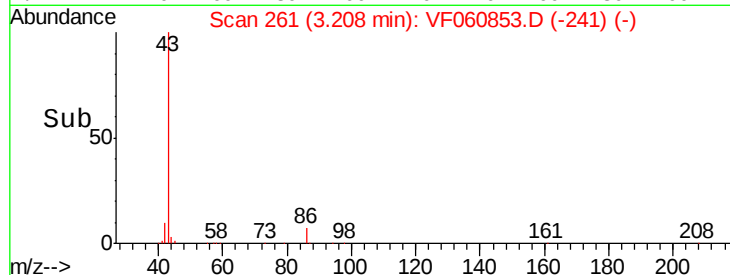
40000

20000

0

Time-->

3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 21.905 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

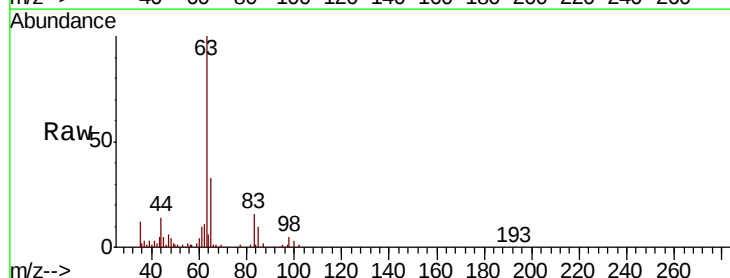
Tgt Ion: 63 Resp: 73674

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 2.7 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.89

30000

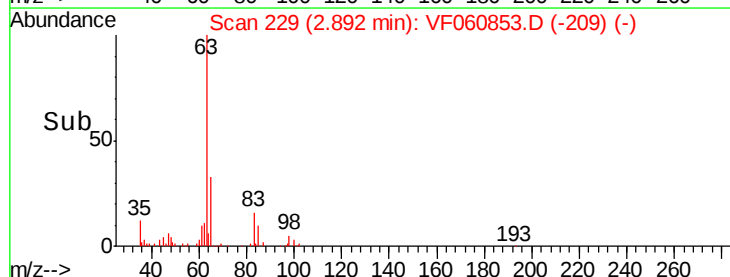
20000

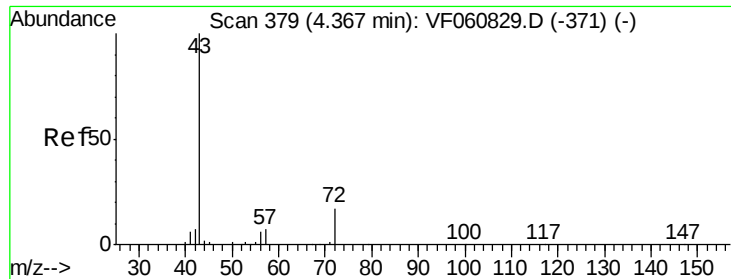
10000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 117.146 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

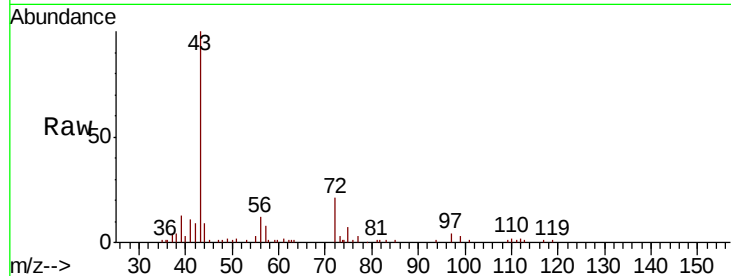
VF1128SBDS01

Tot Ion: 43 Resp: 92624

Ion Ratio Lower Upper

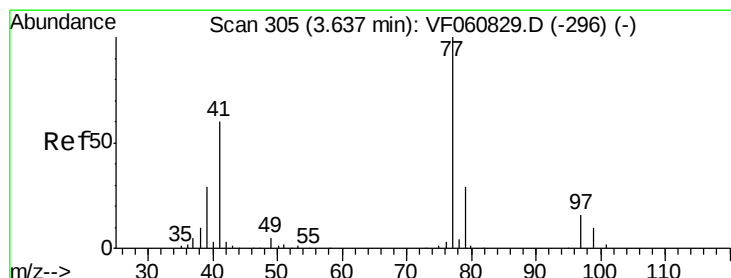
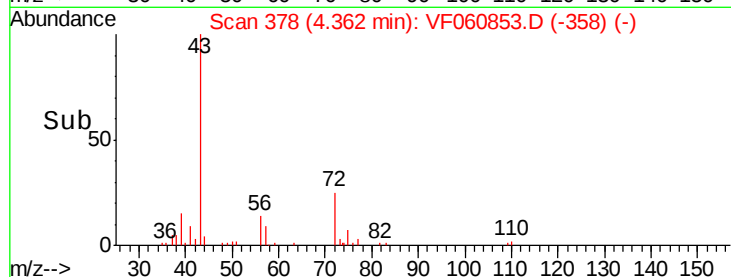
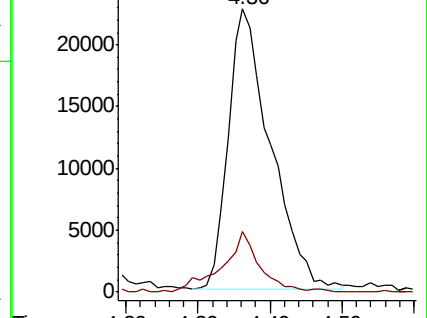
43 100

72 21.5 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.186 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060853.D

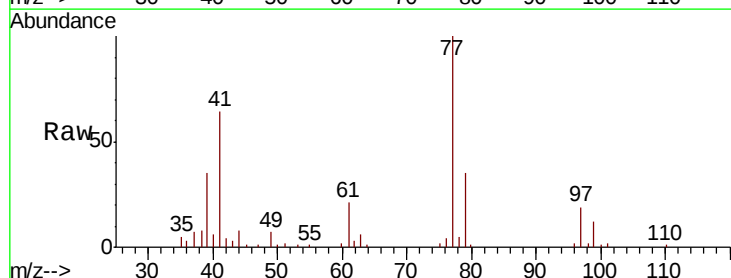
Acq: 28 Nov 2018 12:51

Tgt Ion: 77 Resp: 48375

Ion Ratio Lower Upper

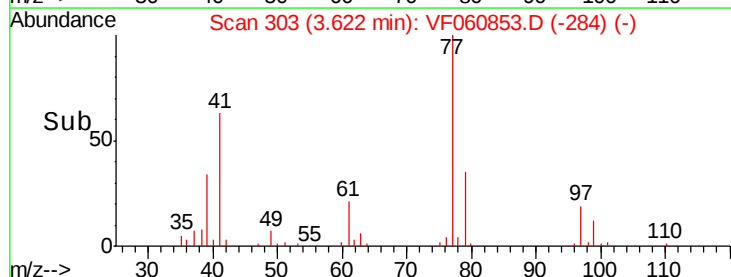
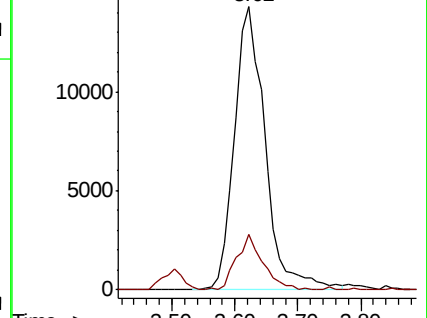
77 100

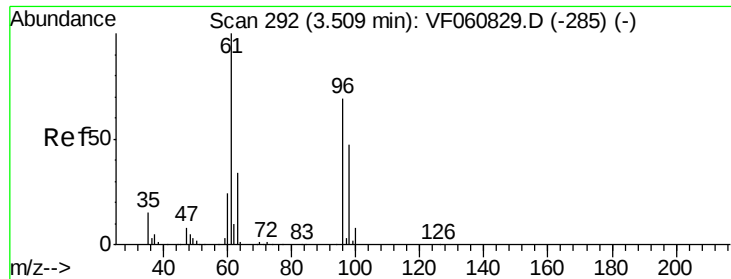
97 19.5 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



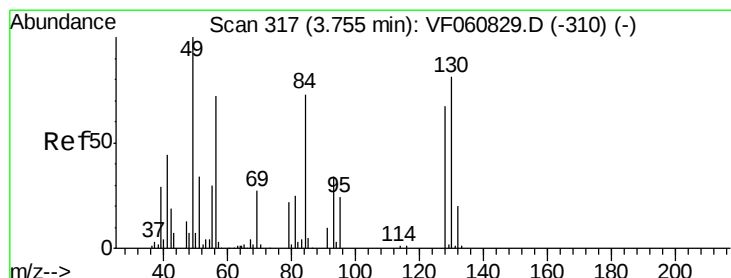
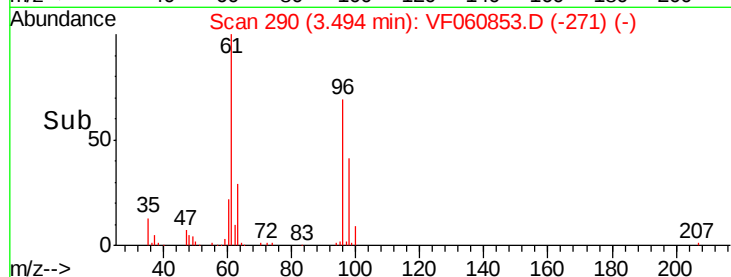
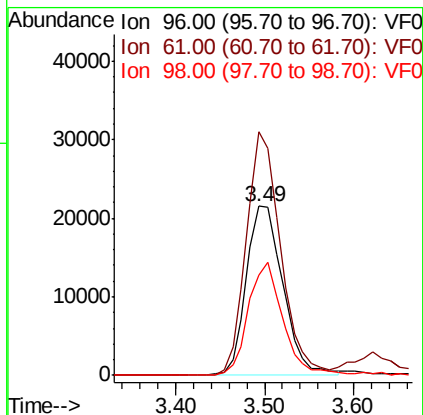
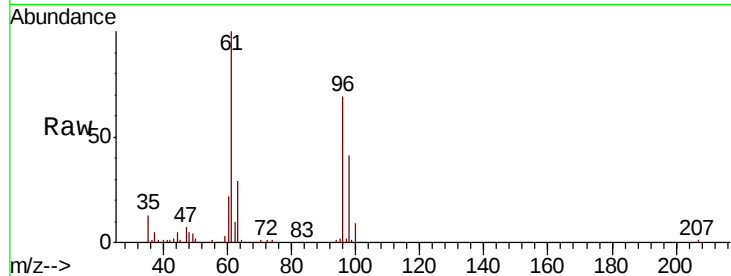


#27

cis-1,2-Dichloroethene
Concen: 23.484 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

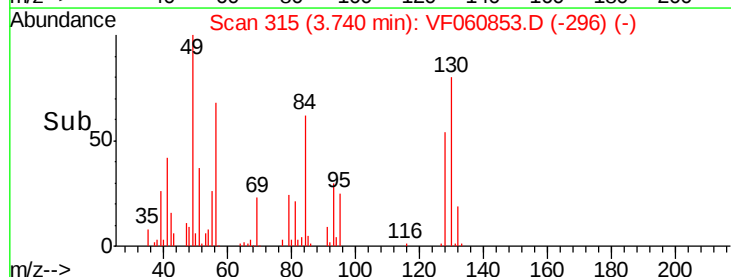
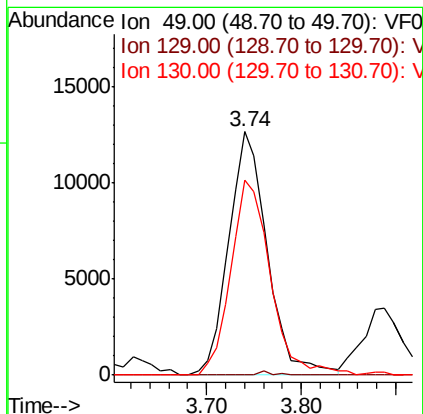
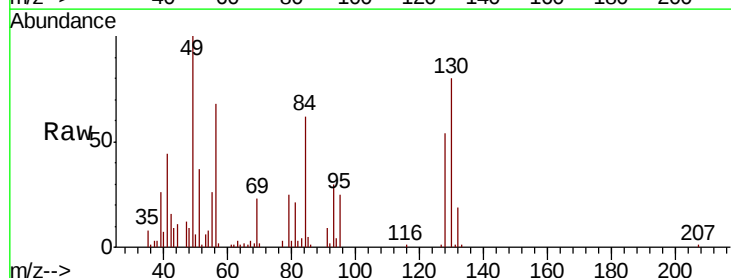
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	290.6
98	59.1	0.0	137.8

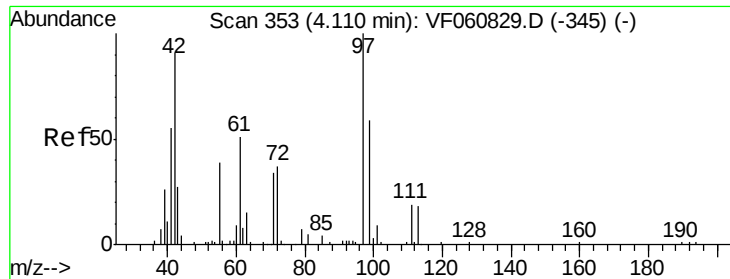


#28

Bromochloromethane
Concen: 22.251 ug/l
RT: 3.74 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	80.1	64.2	96.4





#29

Tetrahydrofuran

Concen: 113.396 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

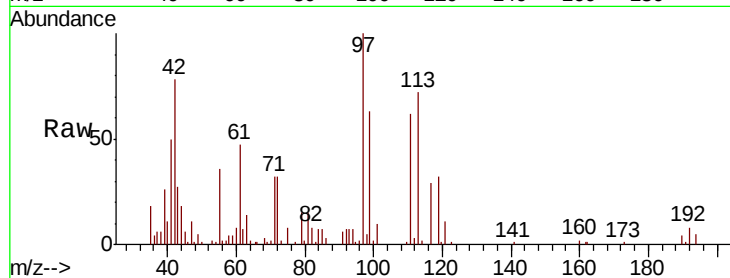
Tot Ion: 42 Resp: 38005

Ion Ratio Lower Upper

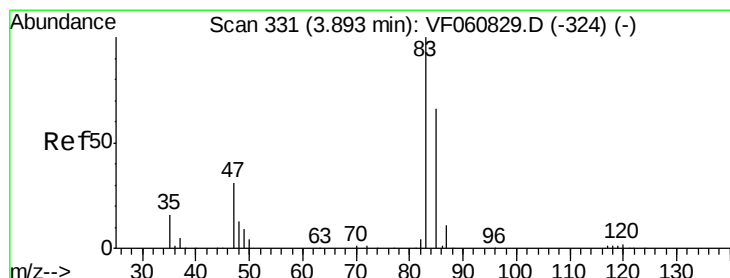
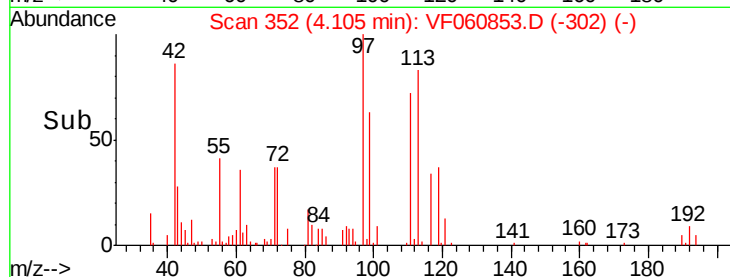
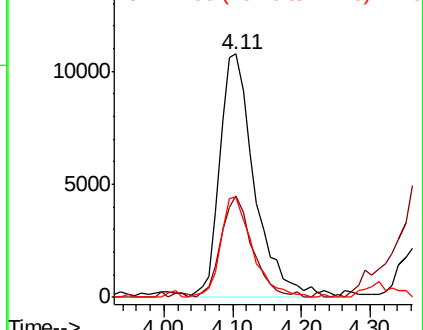
42 100

72 37.3 31.9 47.9

71 37.4 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: 21.670 ug/l

RT: 3.89 min Scan# 330

Delta R.T. -0.01 min

Lab File: VF060853.D

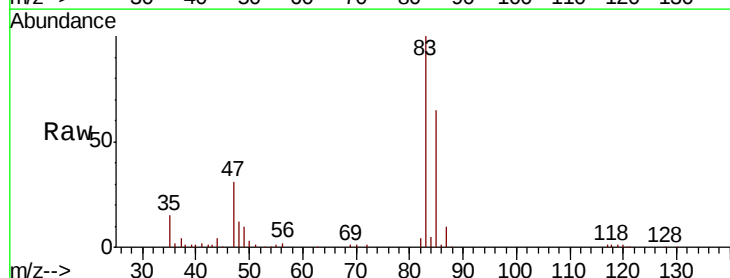
Acq: 28 Nov 2018 12:51

Tgt Ion: 83 Resp: 112171

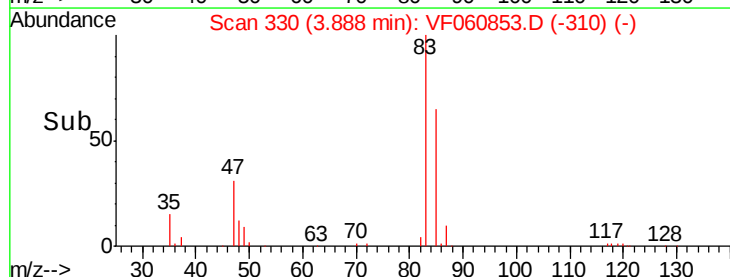
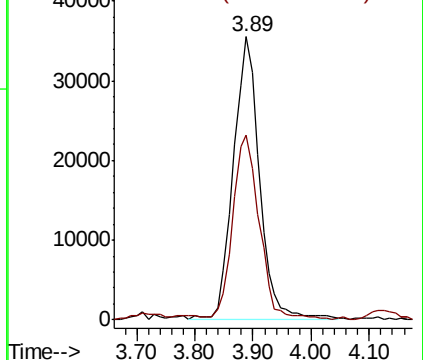
Ion Ratio Lower Upper

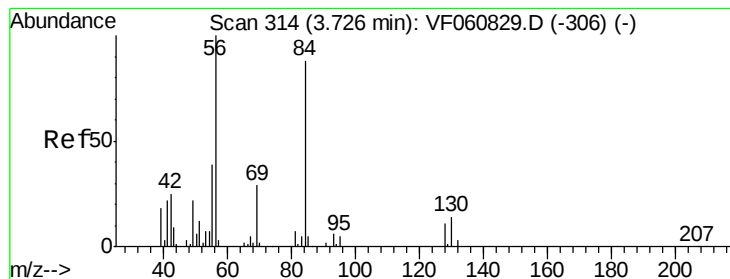
83 100

85 65.4 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: 15.437 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

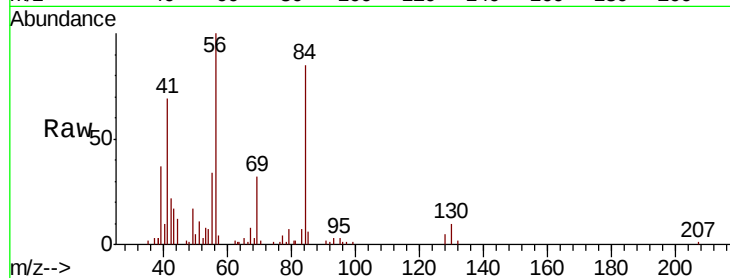
Tot Ion: 56 Resp: 53883

Ion Ratio Lower Upper

56 100

69 32.3 23.0 34.4

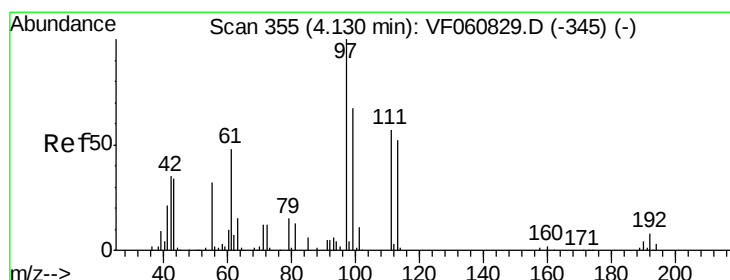
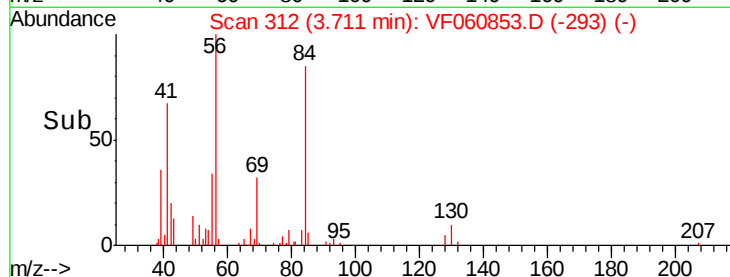
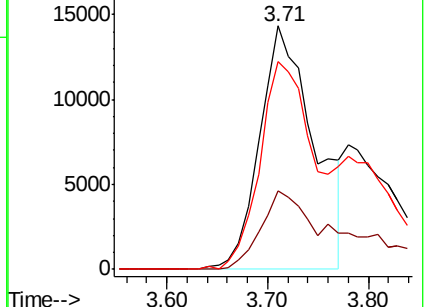
84 85.5 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.178 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

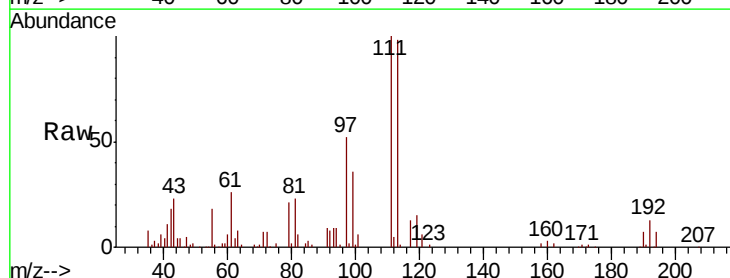
Tgt Ion: 97 Resp: 68846

Ion Ratio Lower Upper

97 100

99 68.2 53.5 80.3

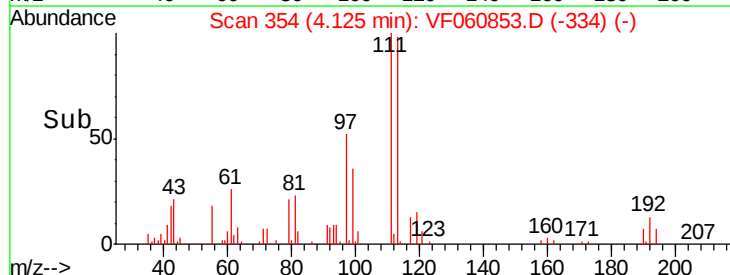
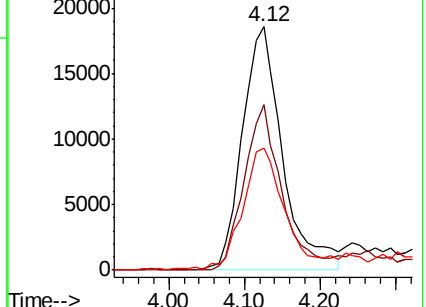
61 49.9 38.6 58.0

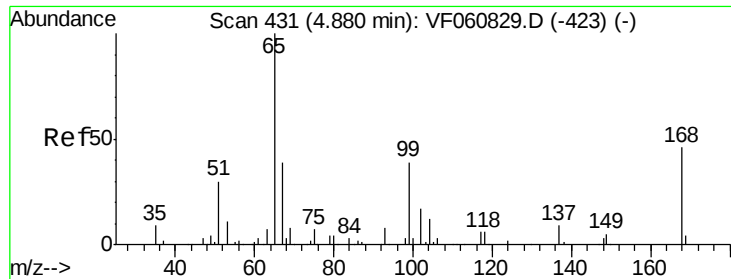


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 56.690 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

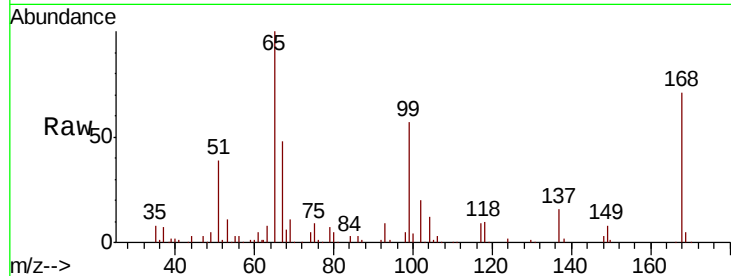
VF1128SBDS01

Tot Ion: 65 Resp: 140529

Ion Ratio Lower Upper

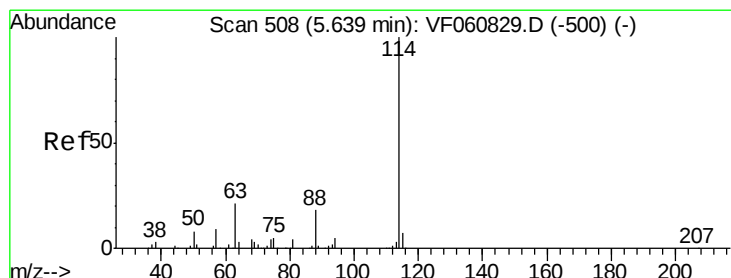
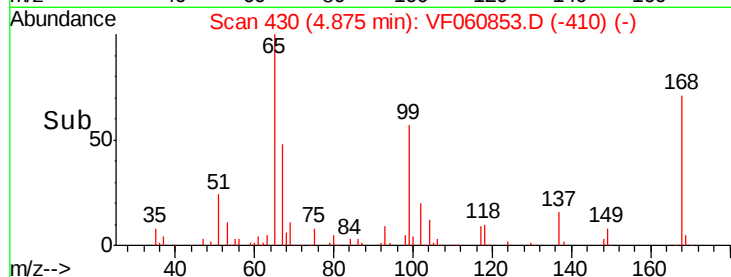
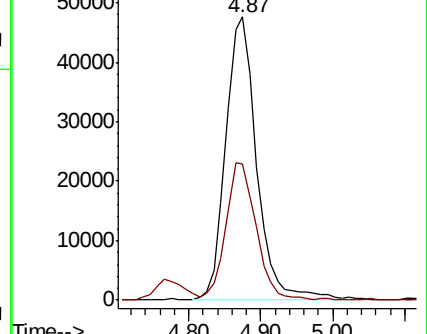
65 100

67 47.9 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

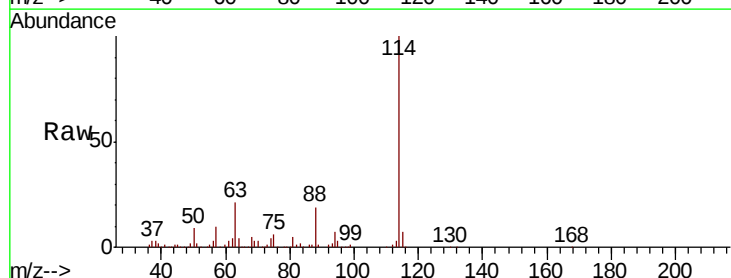
Tgt Ion: 114 Resp: 347405

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

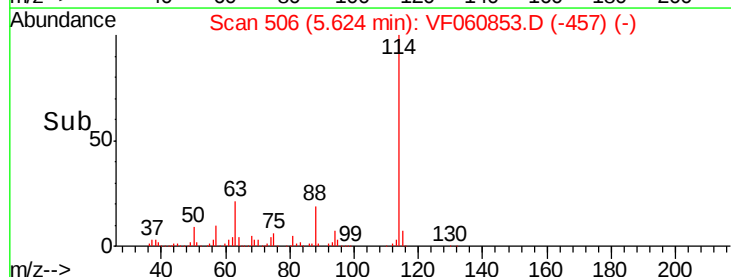
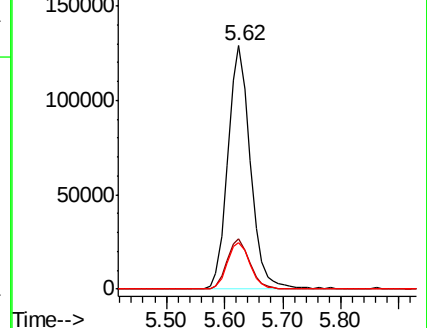
88 19.0 0.0 36.6

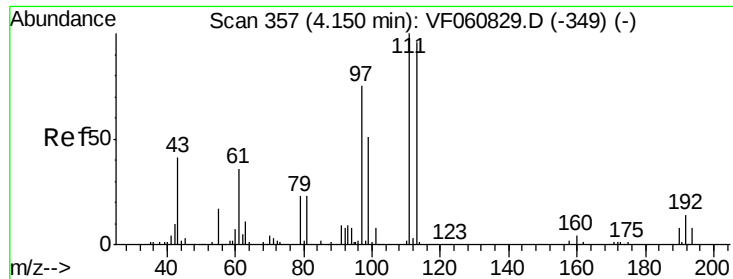


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

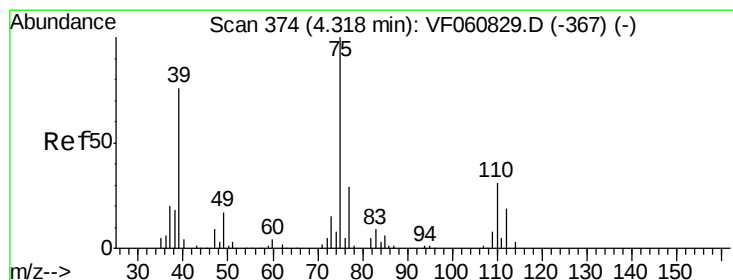
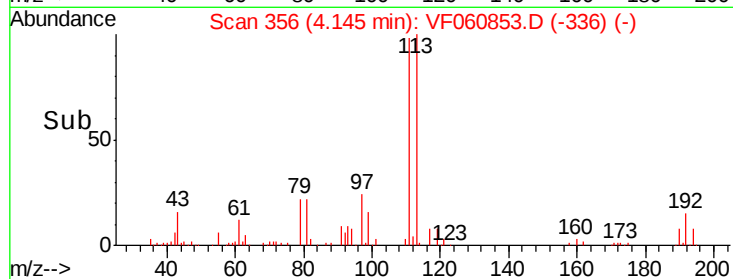
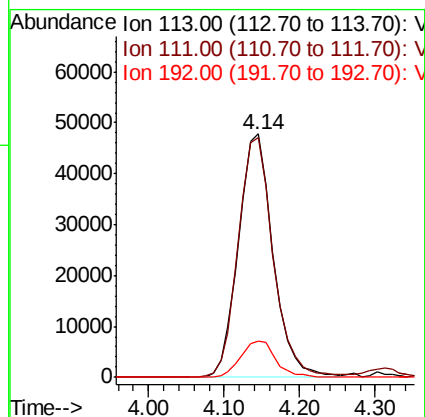
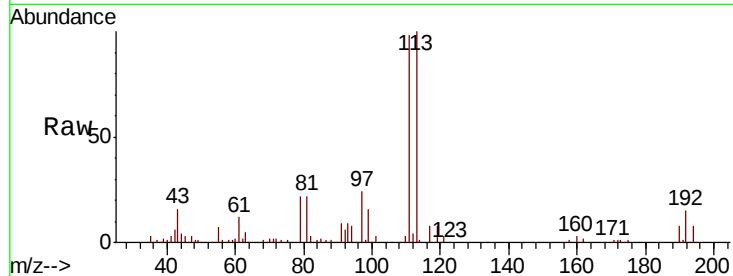




#35
 Dibromofluoromethane
 Concen: 55.281 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

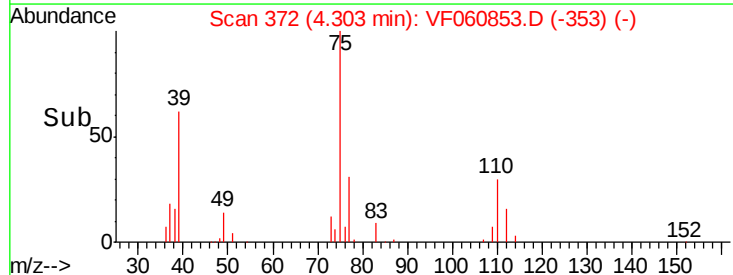
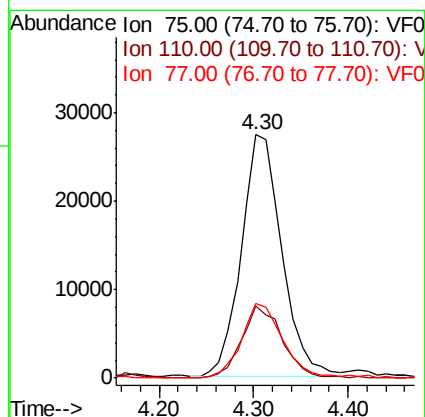
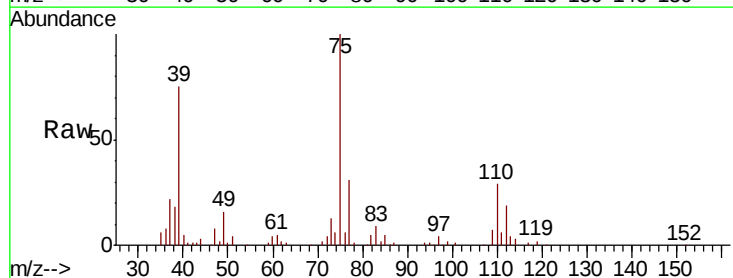
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

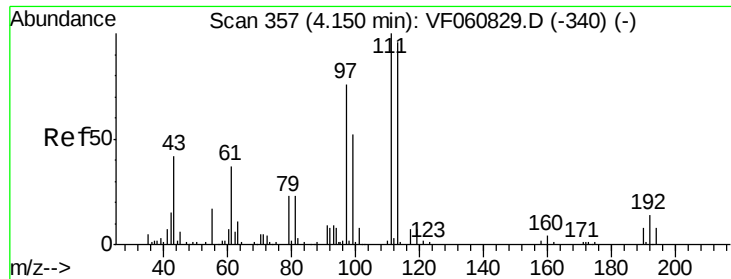
Tot Ion:113 Resp: 152356
 Ion Ratio Lower Upper
 113 100
 111 98.3 83.0 124.6
 192 14.9 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 21.039 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 75 Resp: 81071
 Ion Ratio Lower Upper
 75 100
 110 29.4 15.6 46.8
 77 30.7 23.4 35.0

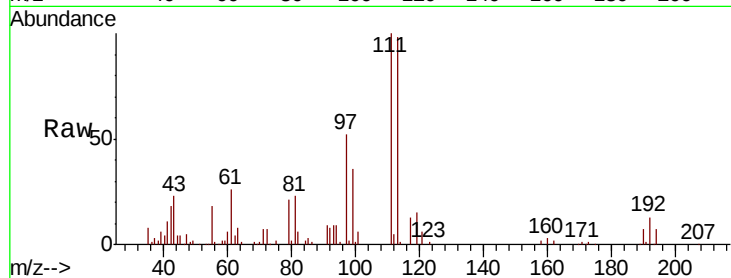




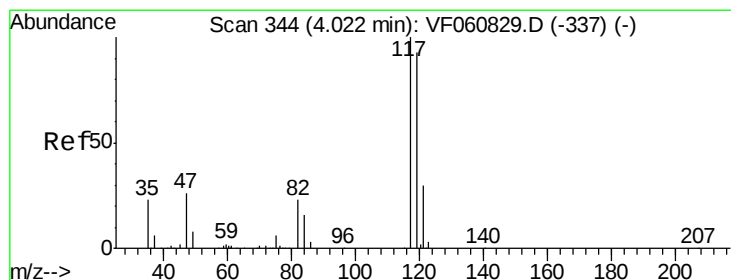
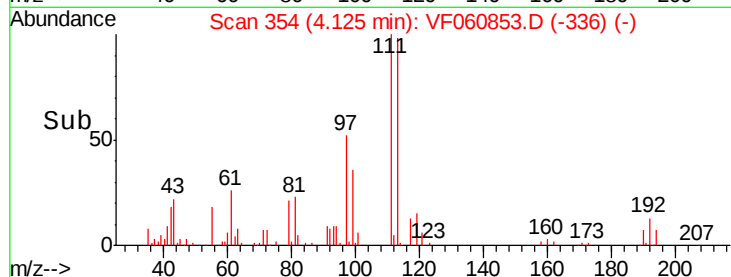
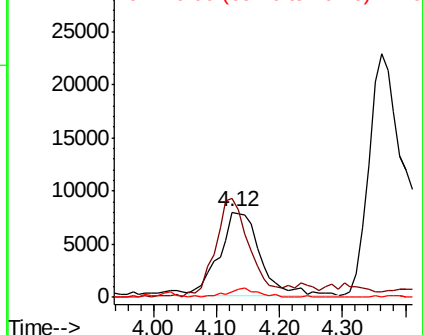
#37
Ethyl Acetate
Concen: 22.176 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion: 43 Resp: 34725
Ion Ratio Lower Upper
43 100
61 115.5 68.6 103.0#
70 5.8 9.0 13.4#

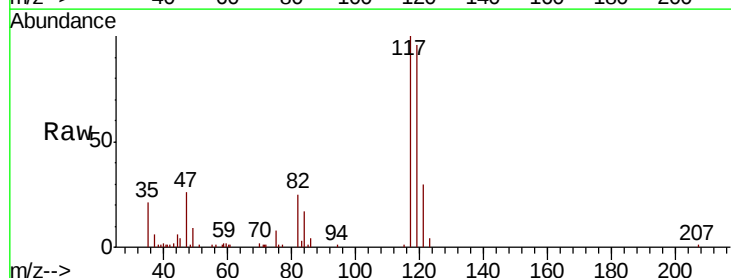


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

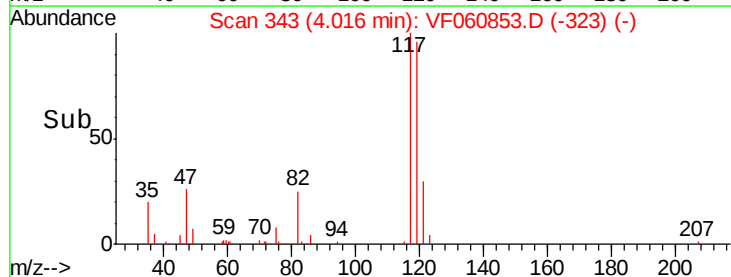
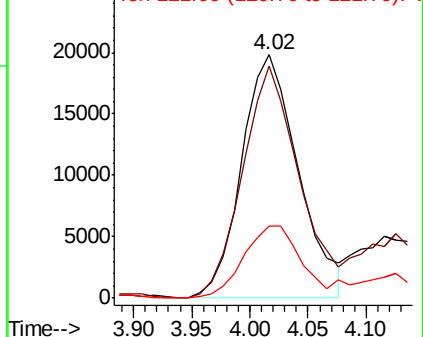


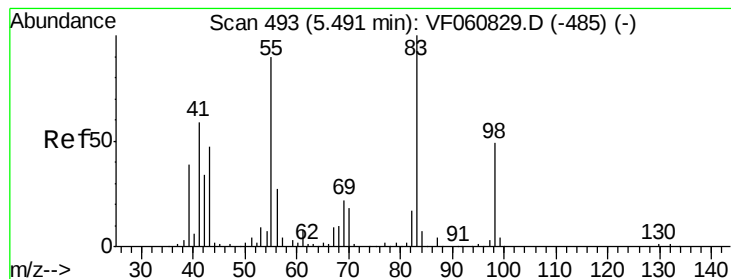
#38
Carbon Tetrachloride
Concen: 19.668 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 117 Resp: 66938
Ion Ratio Lower Upper
117 100
119 95.5 74.4 111.6
121 29.6 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 20.880 ug/l

RT: 5.48 min Scan# 491

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

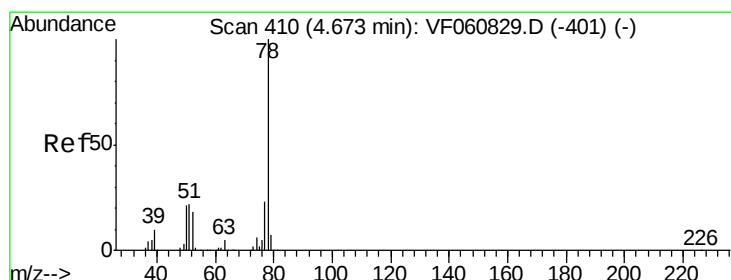
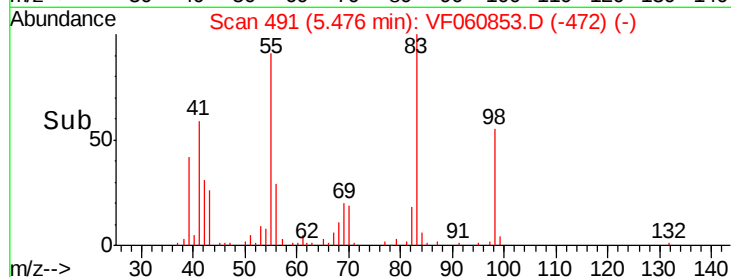
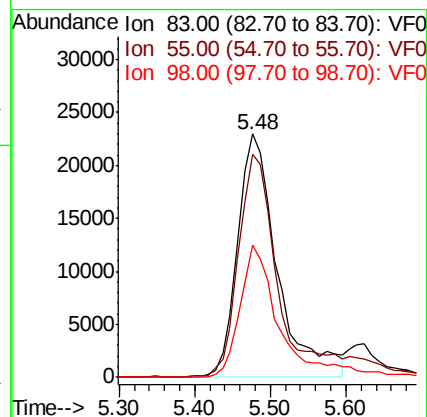
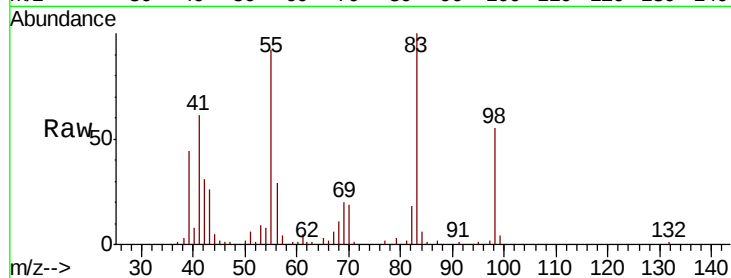
Tot Ion: 83 Resp: 84316

Ion Ratio Lower Upper

83 100

55 91.6 72.1 108.1

98 54.5 39.1 58.7



#40

Benzene

Concen: 22.159 ug/l

RT: 4.66 min Scan# 408

Delta R.T. -0.02 min

Lab File: VF060853.D

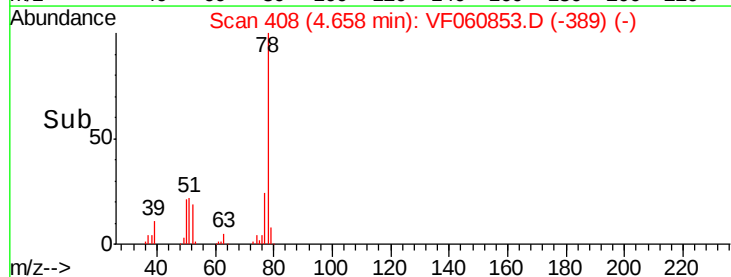
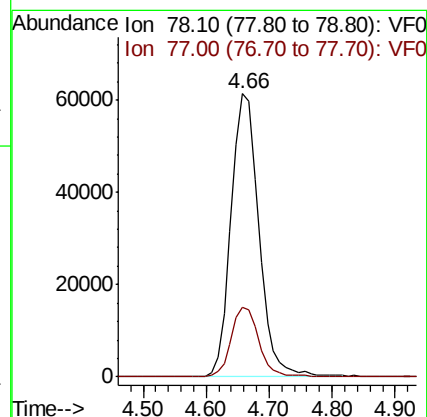
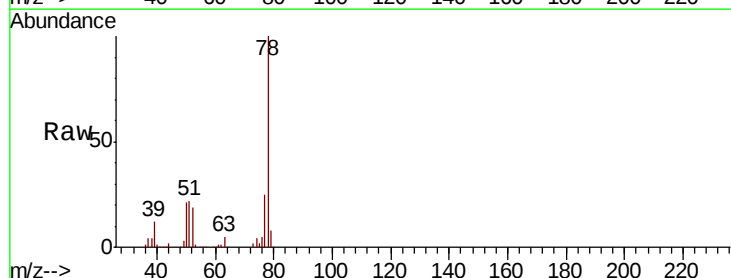
Acq: 28 Nov 2018 12:51

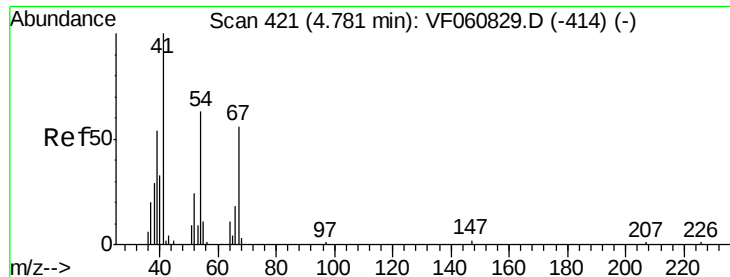
Tgt Ion: 78 Resp: 188634

Ion Ratio Lower Upper

78 100

77 24.6 18.7 28.1

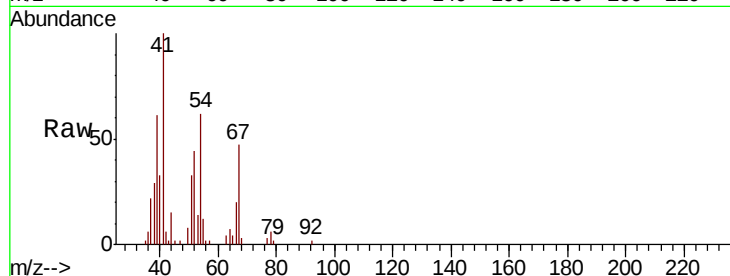




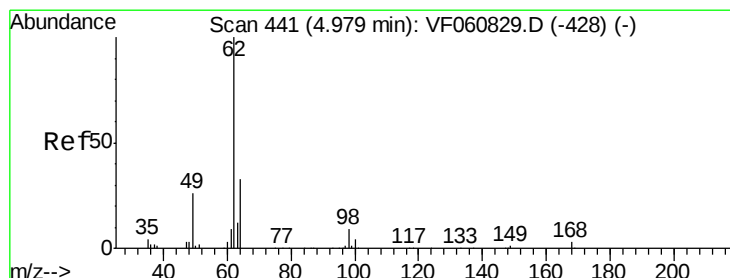
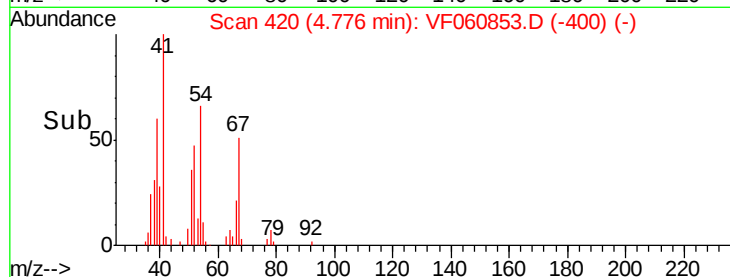
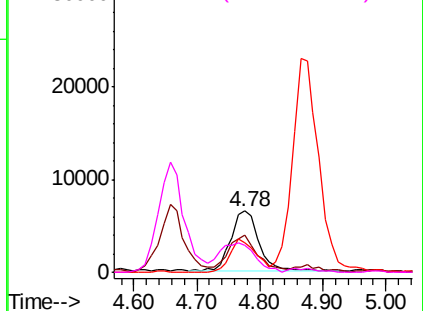
#41
Methacrylonitrile
Concen: 22.244 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion:	41	Resp:	19780
Ion	Ratio	Lower	Upper
41	100		
39	60.7	53.0	79.6
67	47.4	43.8	65.6
52	44.3	37.8	56.8

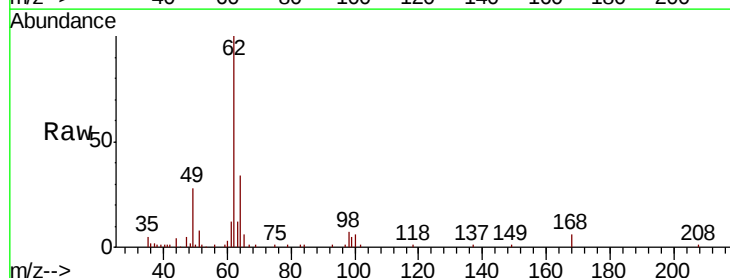


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

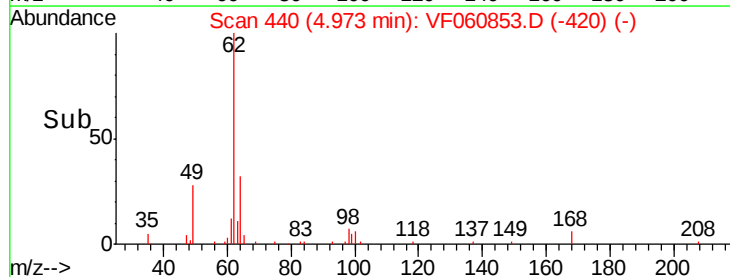
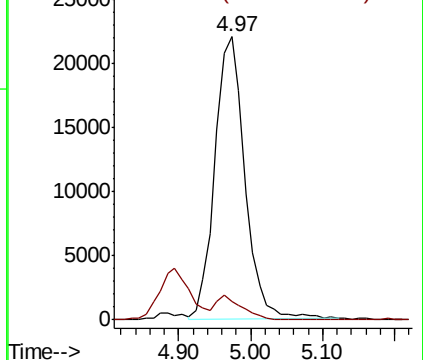


#42
1,2-Dichloroethane
Concen: 20.380 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:	62	Resp:	63337
Ion	Ratio	Lower	Upper
62	100		
98	6.7	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: 19.738 ug/l

RT: 6.99 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

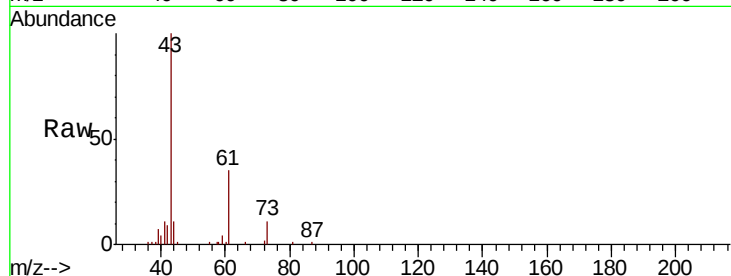
Tot Ion: 43 Resp: 41314

Ion Ratio Lower Upper

43 100

61 34.7 21.4 32.0#

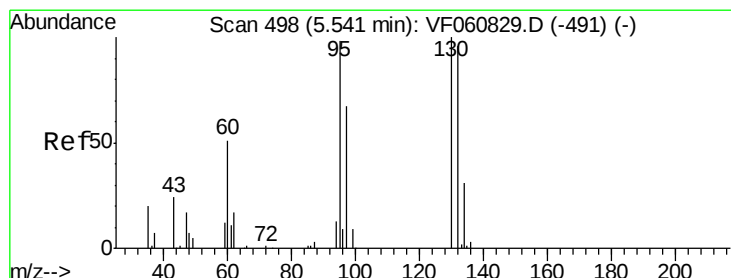
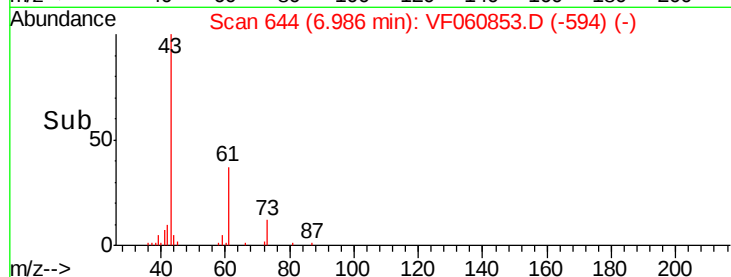
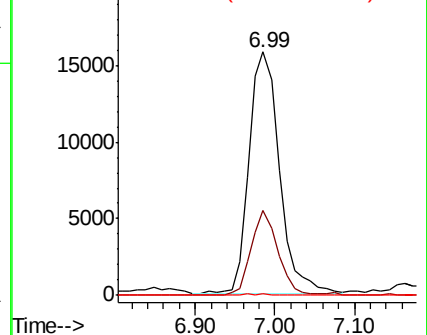
87 0.9 0.2 0.4#



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: 22.403 ug/l

RT: 5.53 min Scan# 496

Delta R.T. -0.02 min

Lab File: VF060853.D

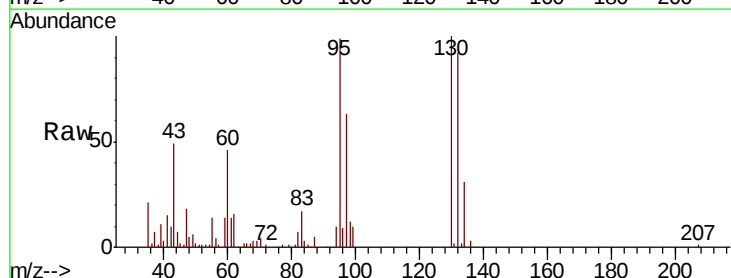
Acq: 28 Nov 2018 12:51

Tgt Ion:130 Resp: 62355

Ion Ratio Lower Upper

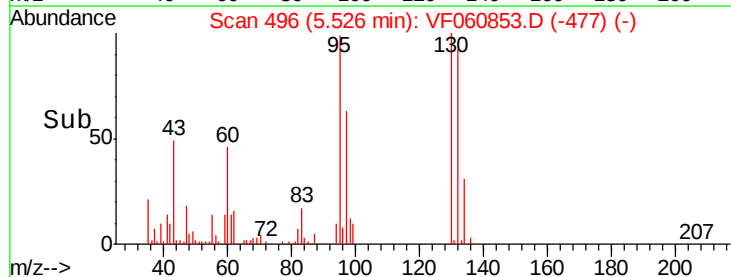
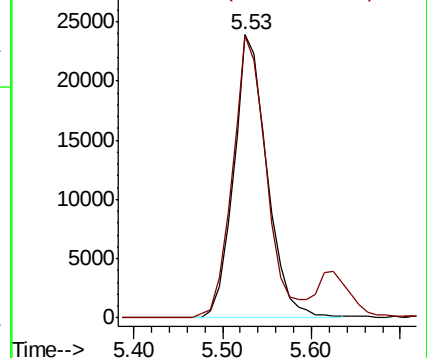
130 100

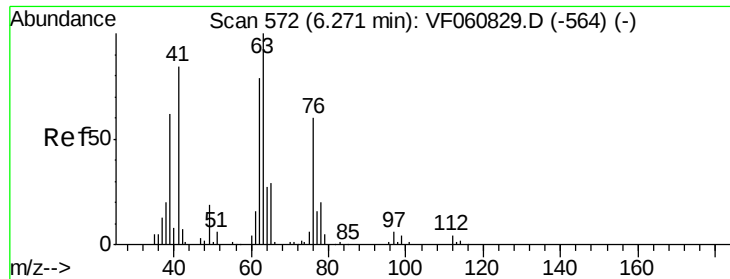
95 99.5 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.658 ug/l

RT: 6.26 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

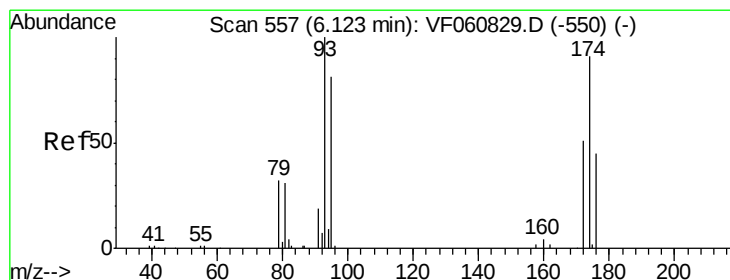
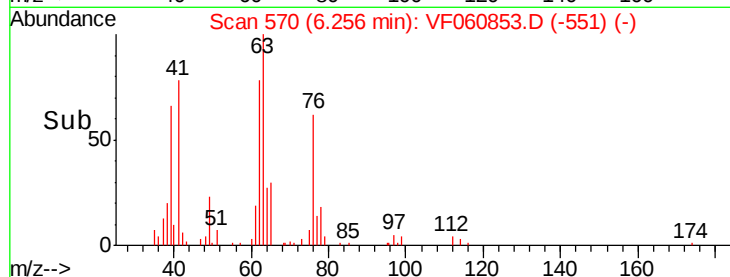
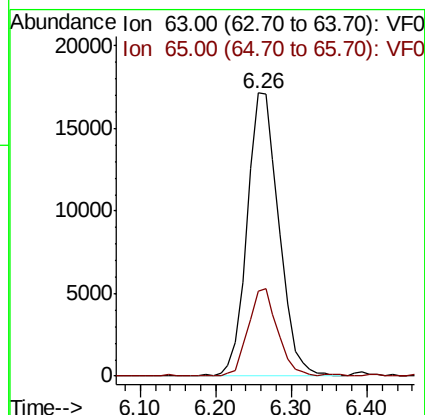
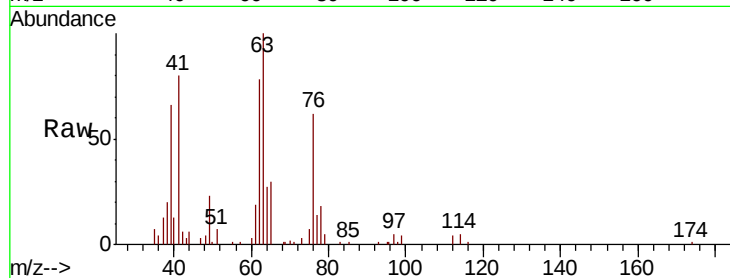
VF1128SBDS01

Tot Ion: 63 Resp: 50095

Ion Ratio Lower Upper

63 100

65 29.9 23.2 34.8



#46

Dibromomethane

Concen: 21.595 ug/l

RT: 6.12 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

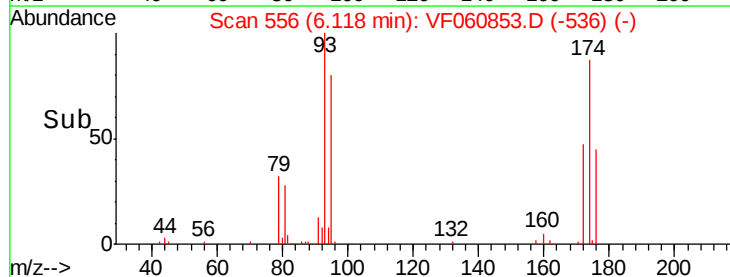
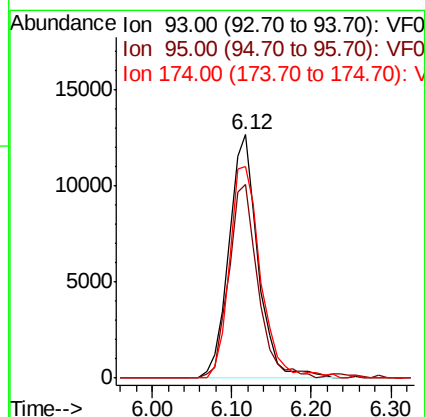
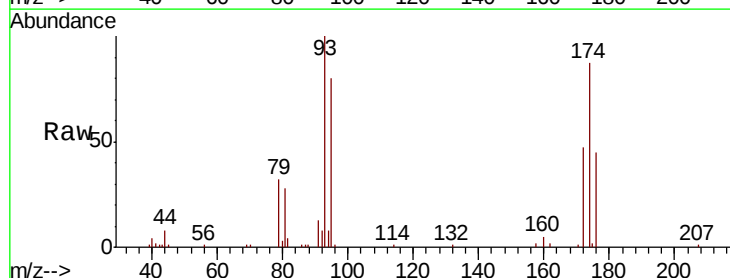
Tgt Ion: 93 Resp: 32387

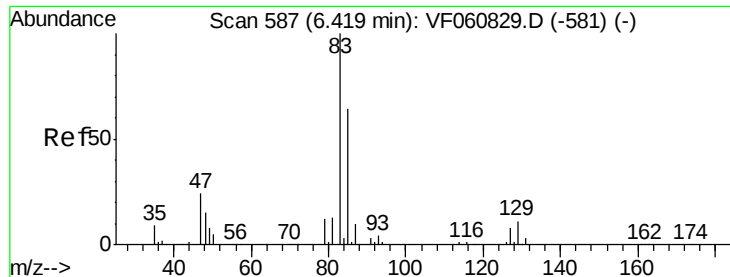
Ion Ratio Lower Upper

93 100

95 79.6 64.7 97.1

174 89.0 73.0 109.6





#47

Bromodichloromethane

Concen: 21.338 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

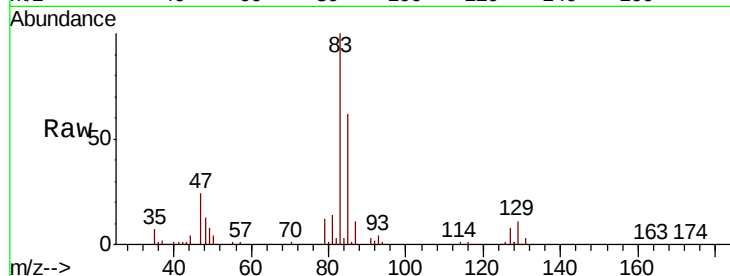
Tot Ion: 83 Resp: 84999

Ion Ratio Lower Upper

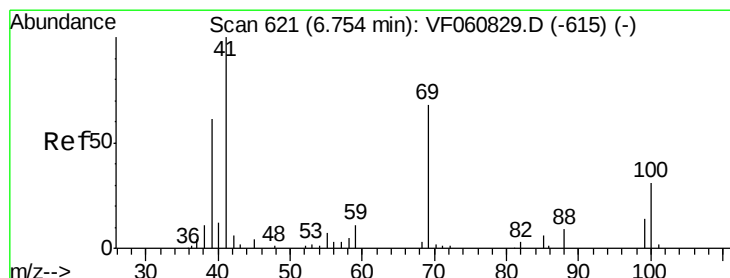
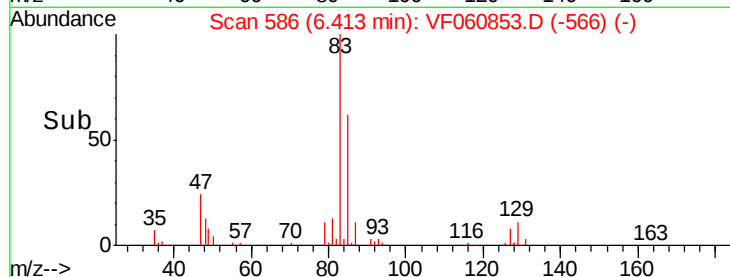
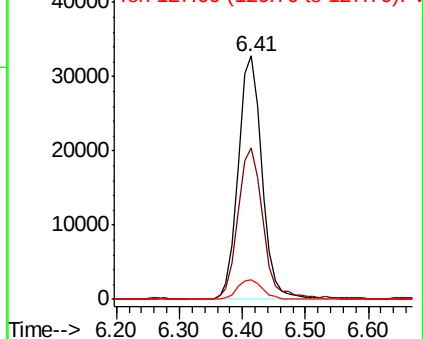
83 100

85 62.1 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: 21.038 ug/l

RT: 6.74 min Scan# 619

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

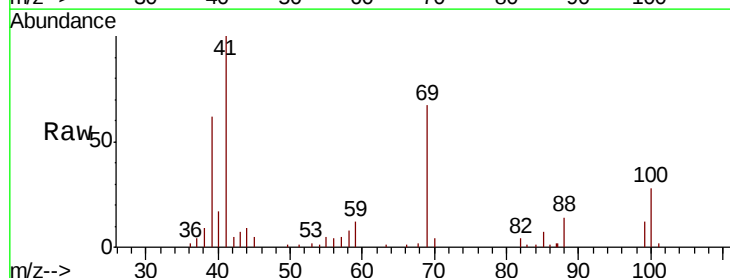
Tgt Ion: 41 Resp: 29819

Ion Ratio Lower Upper

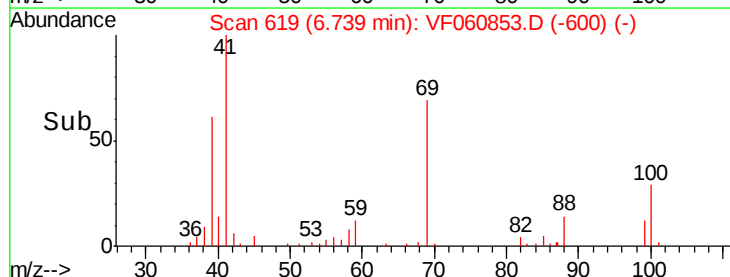
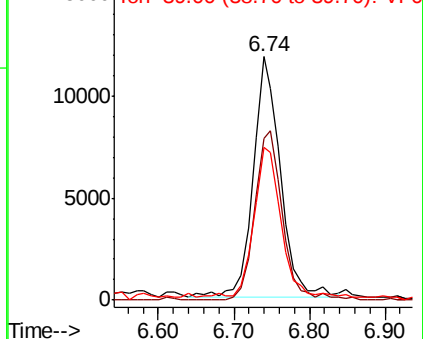
41 100

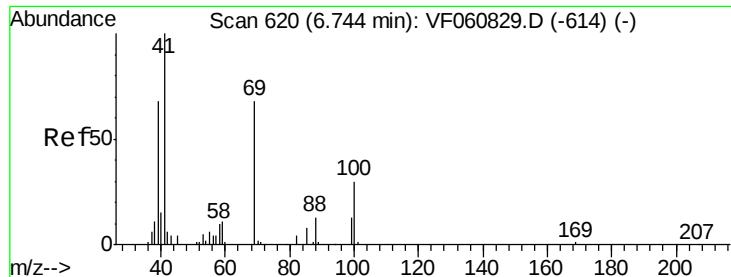
69 66.6 53.9 80.9

39 62.5 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: 475.154 ug/l

RT: 6.74 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

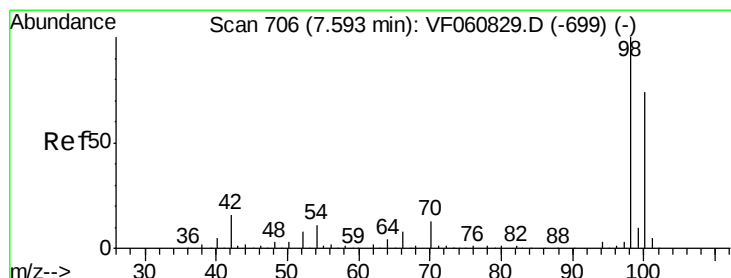
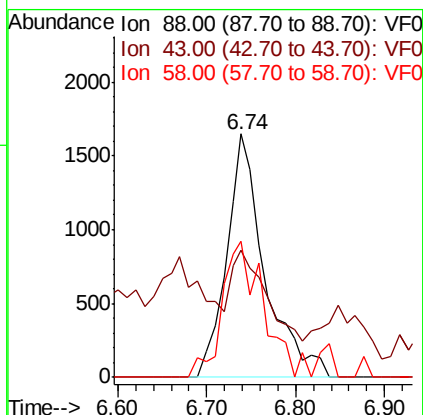
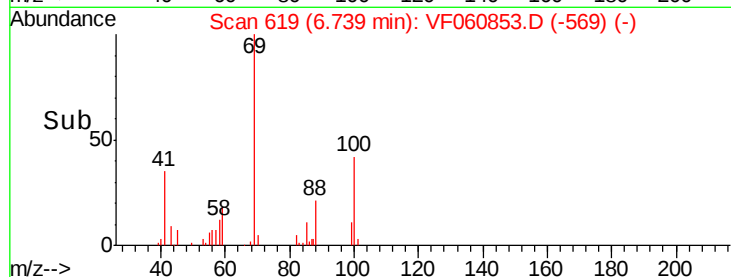
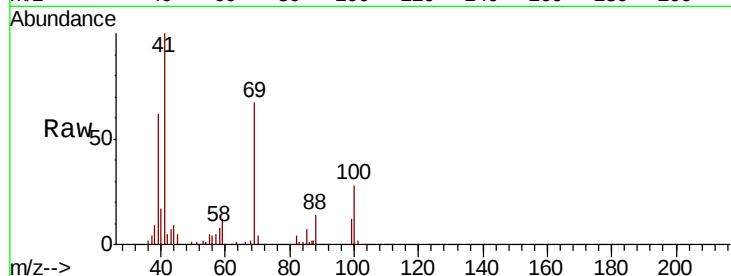
Tot Ion: 88 Resp: 4929

Ion Ratio Lower Upper

88 100

43 52.2 42.0 63.0

58 56.1 61.8 92.8#



#50

Toluene-d8

Concen: 54.920 ug/l

RT: 7.58 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060853.D

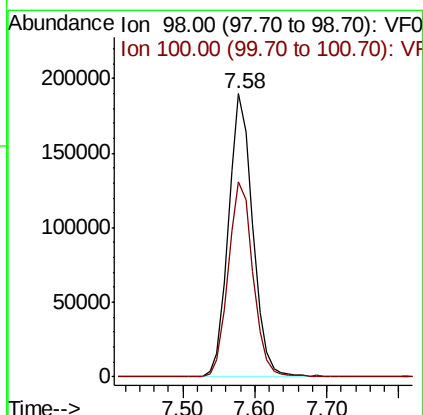
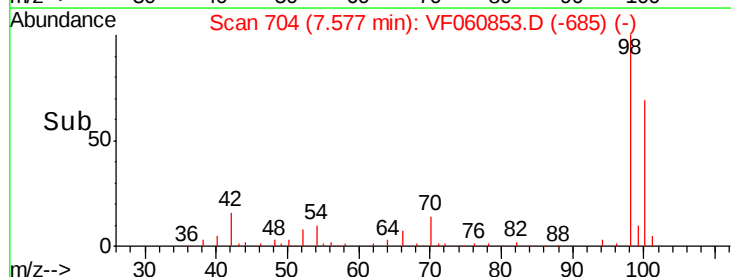
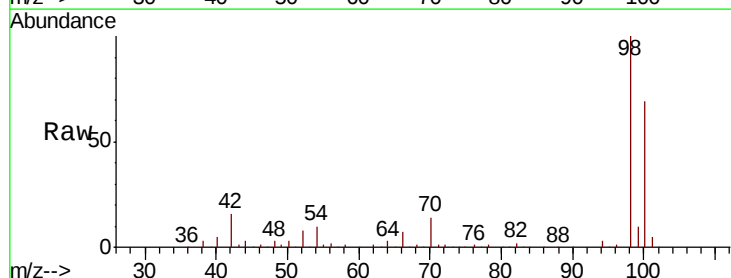
Acq: 28 Nov 2018 12:51

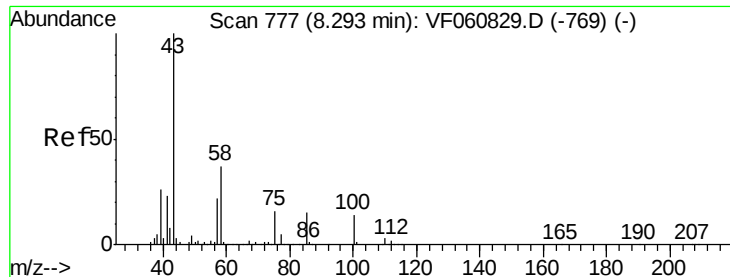
Tgt Ion: 98 Resp: 445870

Ion Ratio Lower Upper

98 100

100 68.9 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 111.050 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

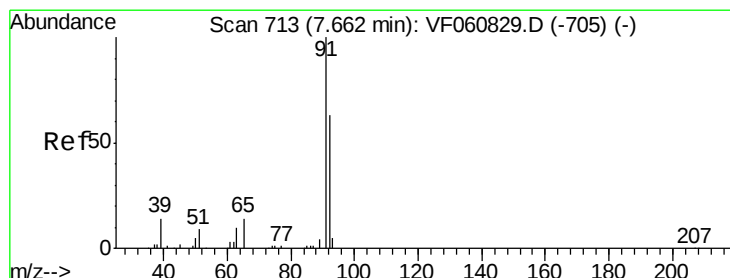
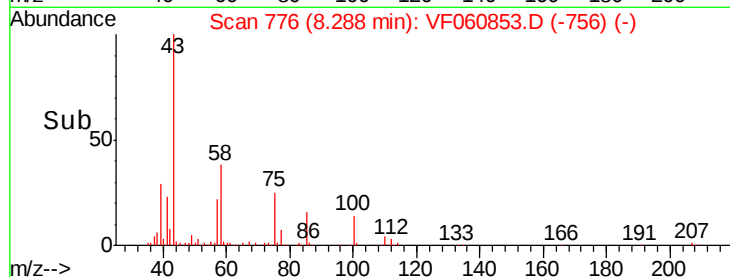
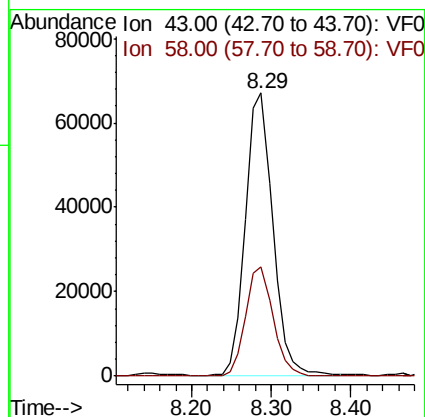
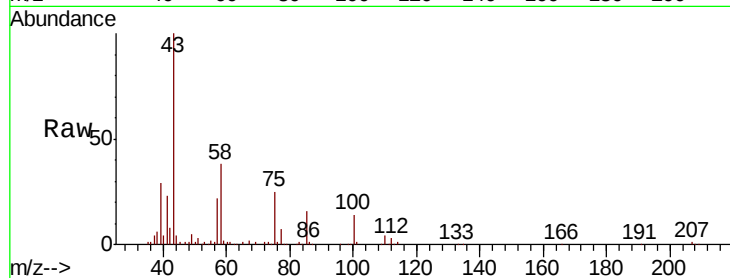
VF1128SBDS01

Tot Ion: 43 Resp: 160355

Ion Ratio Lower Upper

43 100

58 38.4 29.7 44.5



#52

Toluene

Concen: 20.671 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060853.D

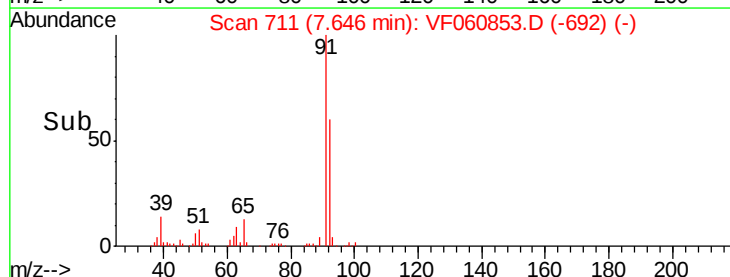
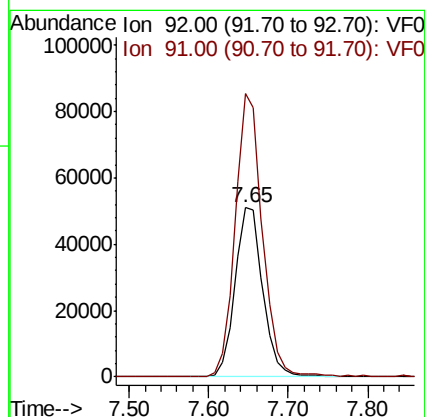
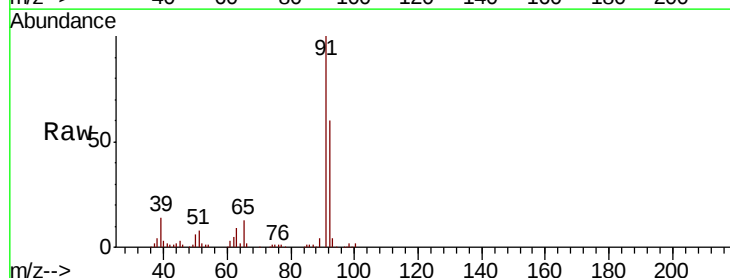
Acq: 28 Nov 2018 12:51

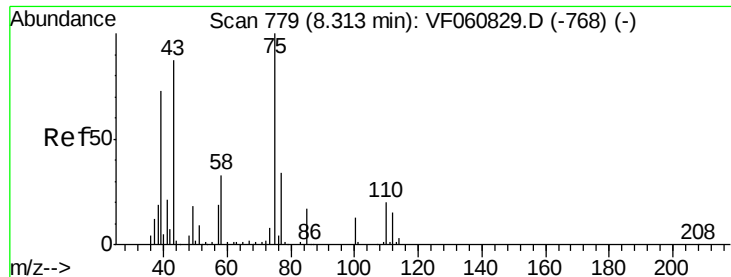
Tgt Ion: 92 Resp: 123601

Ion Ratio Lower Upper

92 100

91 167.4 126.2 189.2

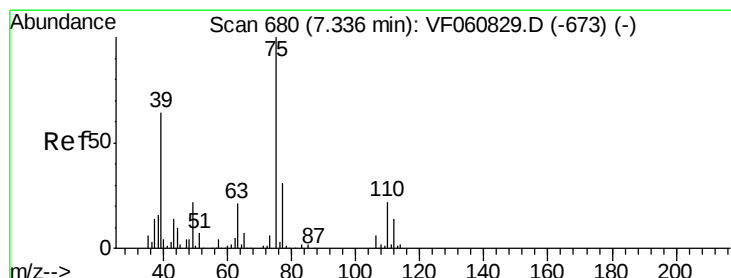
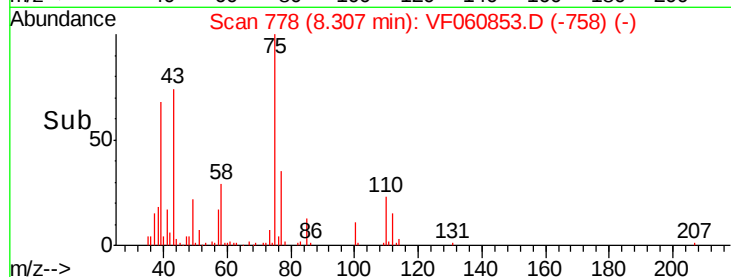
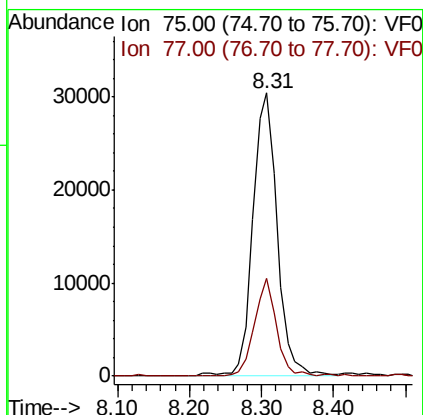
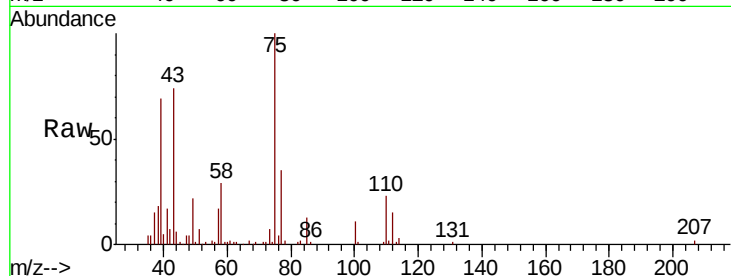




#53
 t-1,3-Dichloropropene
 Concen: 22.246 ug/l
 RT: 8.31 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

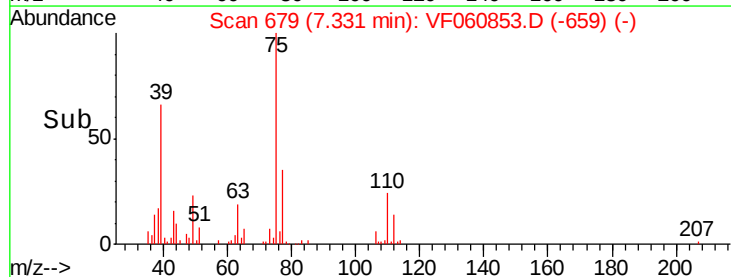
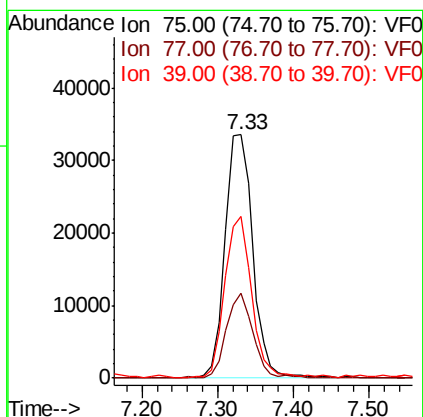
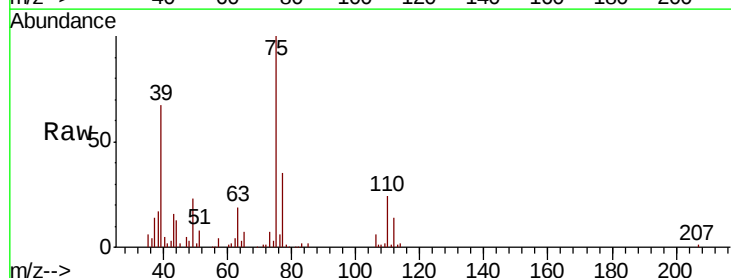
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

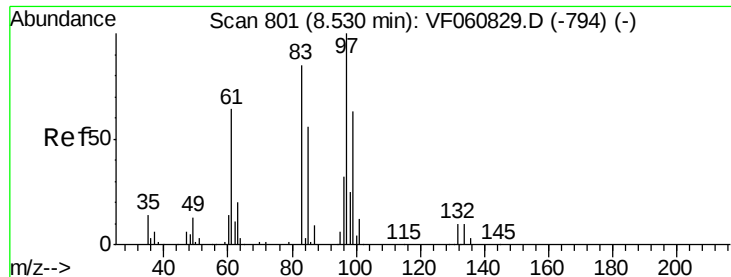
Tot Ion: 75 Resp: 72079
 Ion Ratio Lower Upper
 75 100
 77 34.5 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.287 ug/l
 RT: 7.33 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 75 Resp: 85388
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.0 37.6
 39 66.6 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 21.551 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

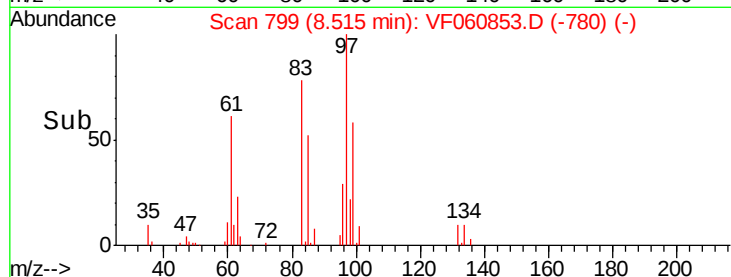
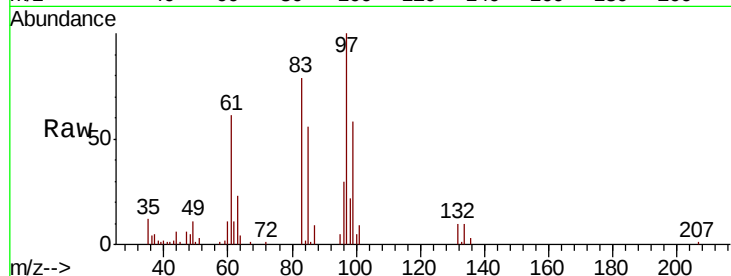
MSVOA_F

ClientSampleId :

VF1128SBDS01

Tot Ion: 97 Resp: 37549

Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.8	101.6
85	56.4	45.0	67.6
99	58.2	50.5	75.7

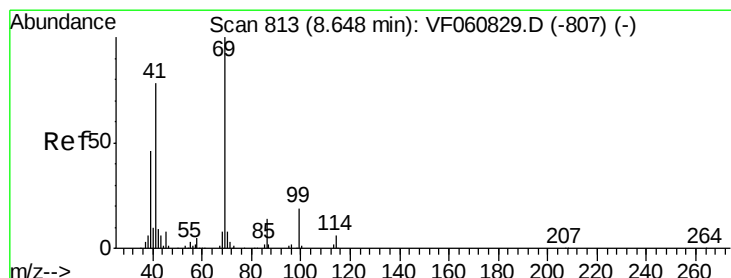


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.293 ug/l

RT: 8.64 min Scan# 812

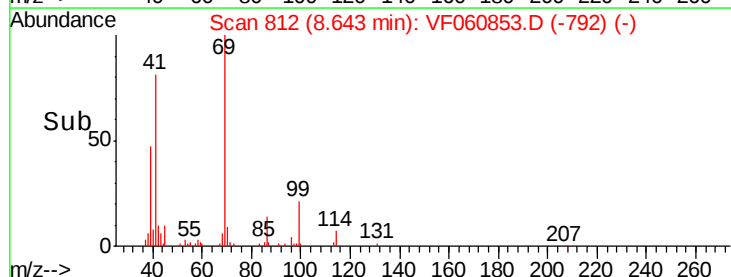
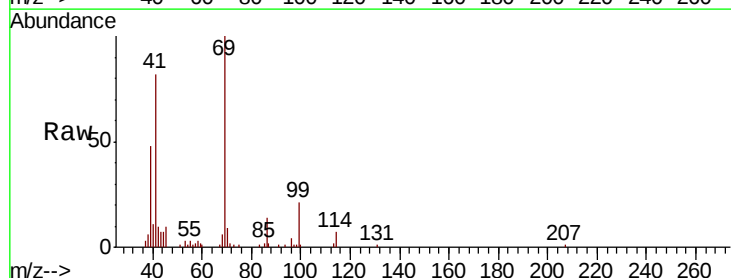
Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion: 69 Resp: 41213

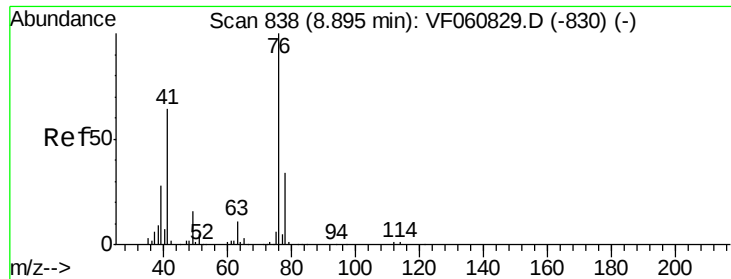
Ion	Ratio	Lower	Upper
69	100		
41	81.9	62.6	94.0
39	48.0	37.8	56.6



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: 22.129 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

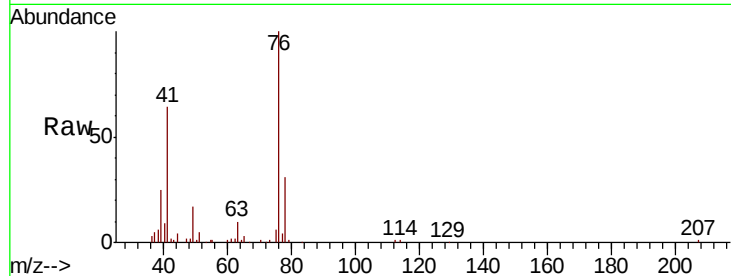
VF1128SBDS01

Tot Ion: 76 Resp: 67456

Ion Ratio Lower Upper

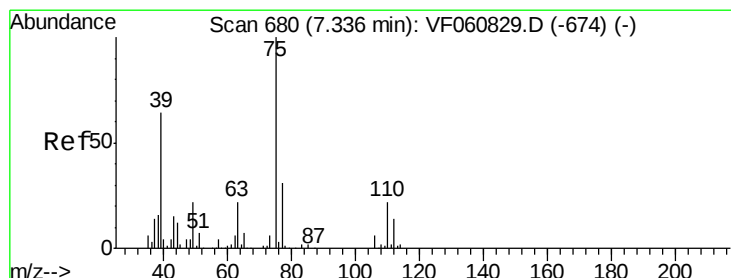
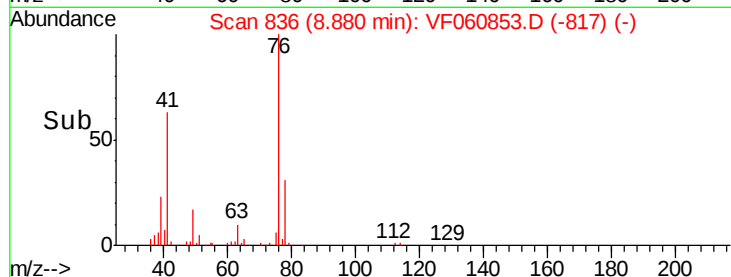
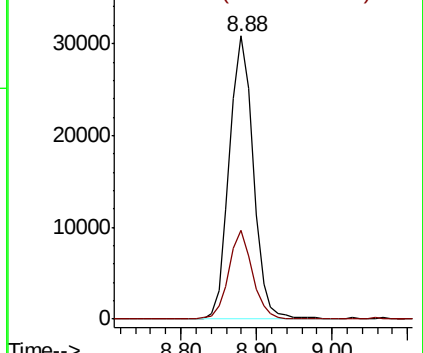
76 100

78 31.3 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 90.739 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060853.D

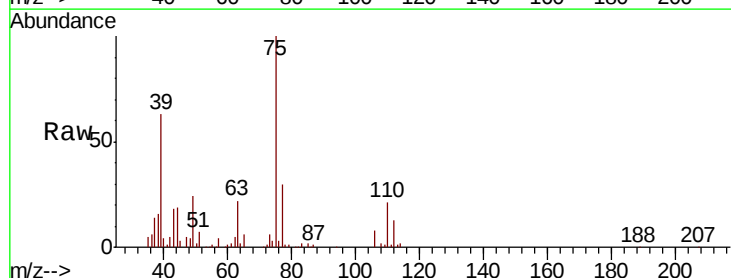
Acq: 28 Nov 2018 12:51

Tgt Ion: 63 Resp: 17964

Ion Ratio Lower Upper

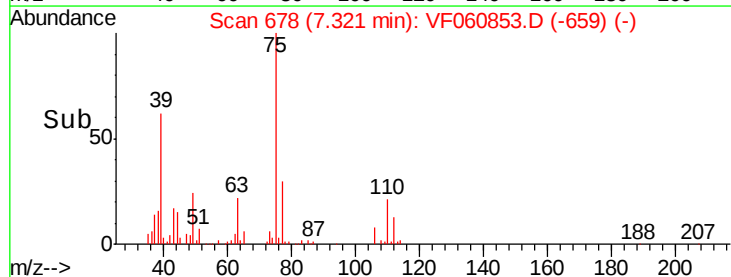
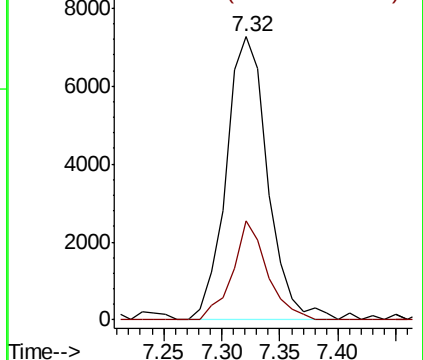
63 100

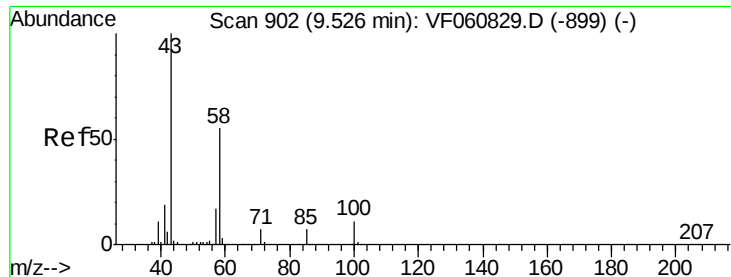
106 34.8 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

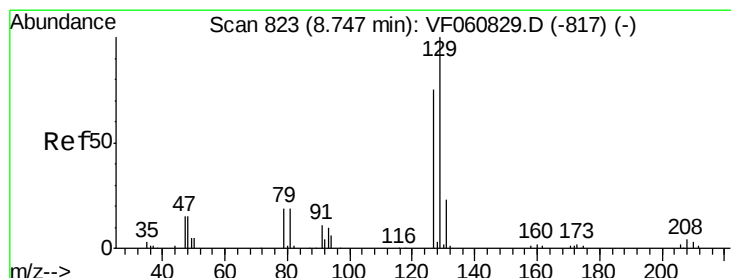
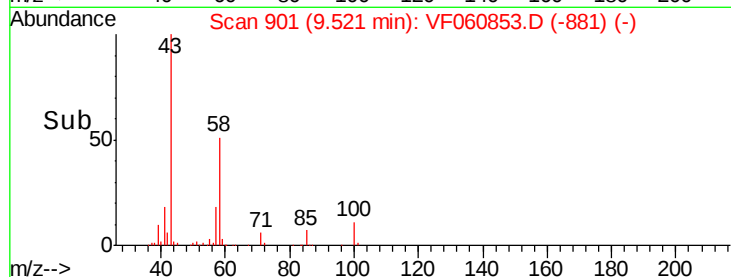
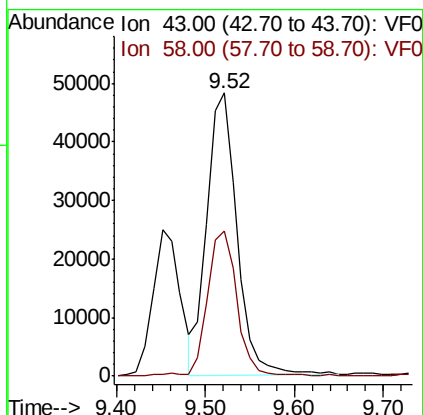
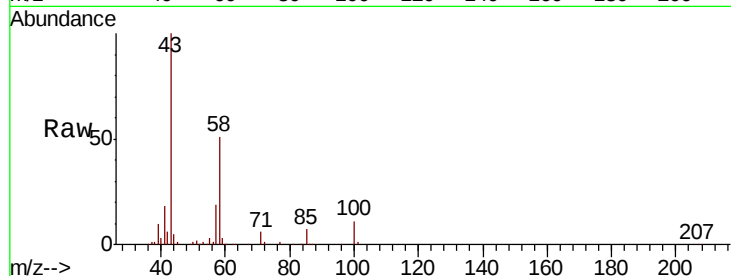




#59
2-Hexanone
Concen: 111.668 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

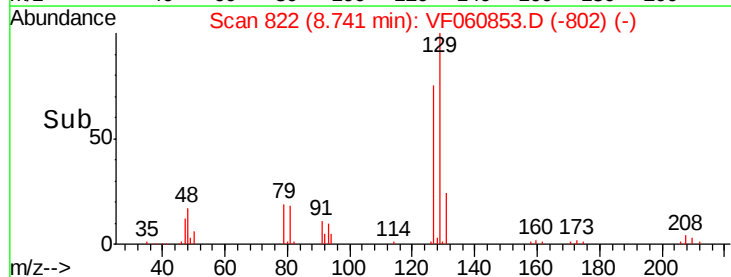
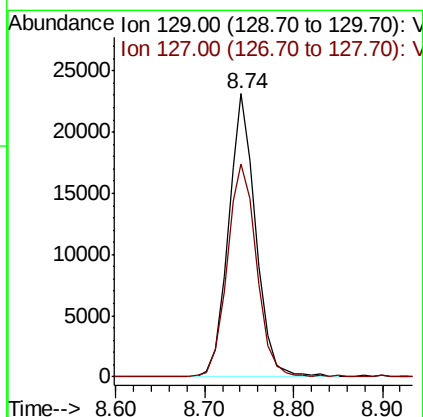
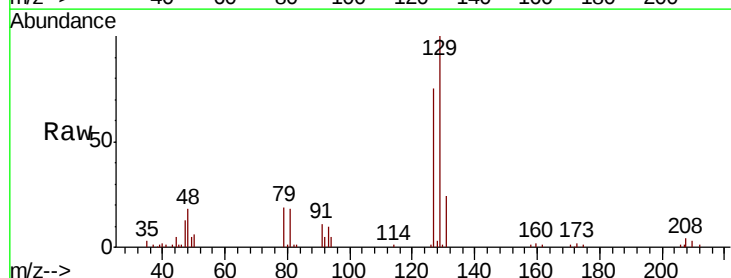
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

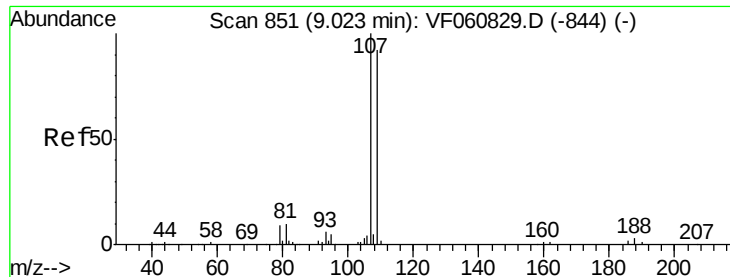
Tot Ion: 43 Resp: 113125
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.6



#60
Dibromochloromethane
Concen: 19.000 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:129 Resp: 49326
Ion Ratio Lower Upper
129 100
127 75.3 37.3 111.9

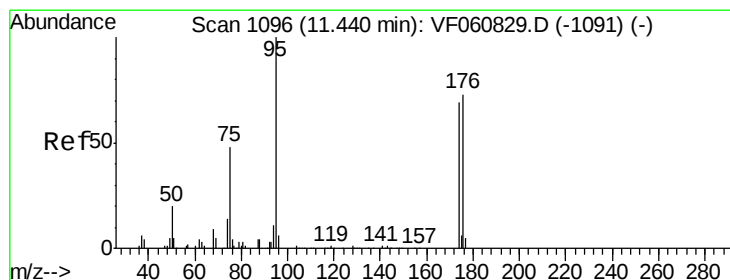
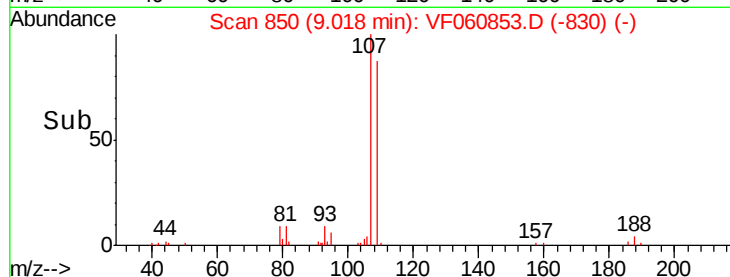
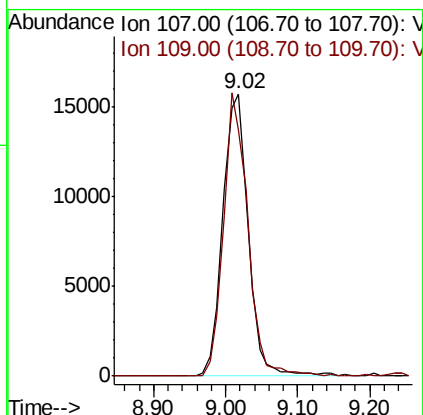
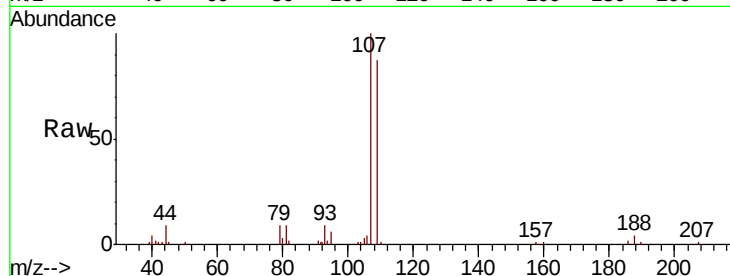




#61
 1,2-Dibromoethane
 Concen: 20.460 ug/l
 RT: 9.02 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

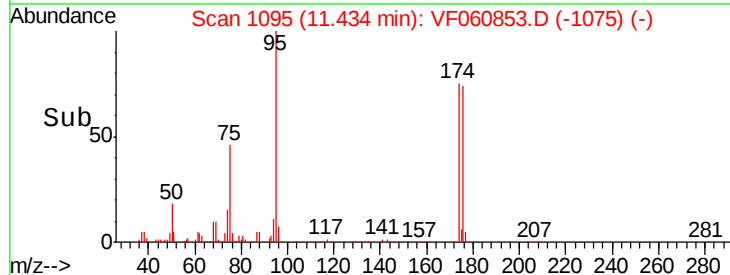
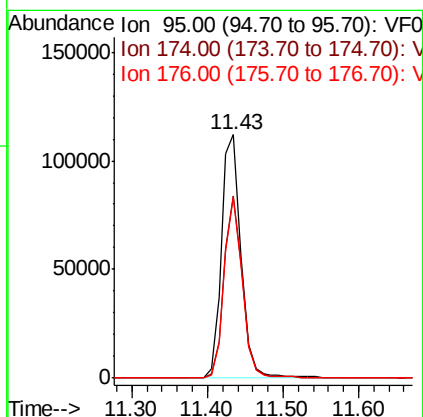
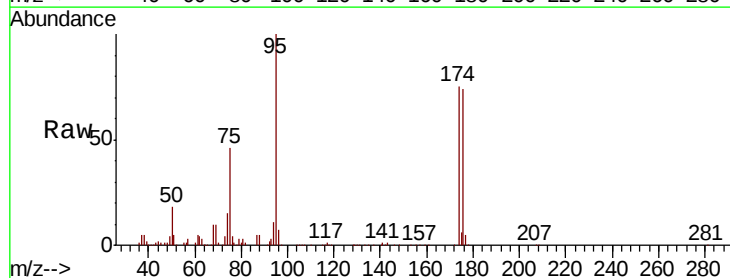
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

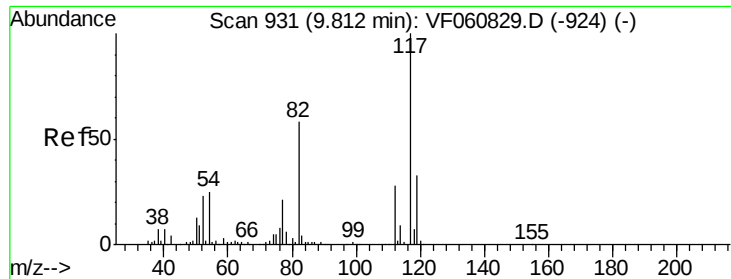
Tot Ion:107 Resp: 38510
 Ion Ratio Lower Upper
 107 100
 109 87.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 54.880 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion: 95 Resp: 202494
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 138.2
 176 74.4 0.0 146.2

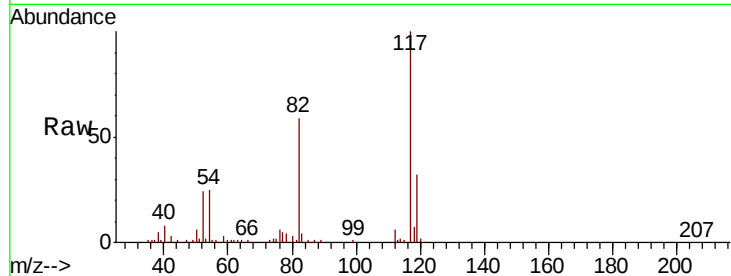




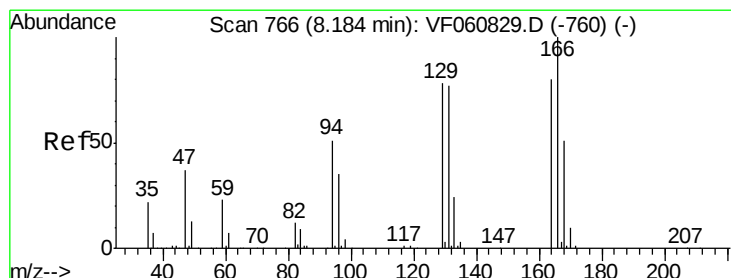
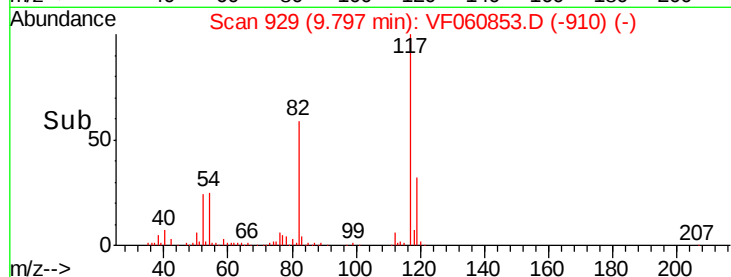
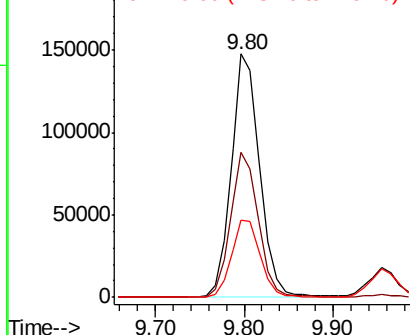
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion:117 Resp: 329953
Ion Ratio Lower Upper
117 100
82 59.4 46.6 69.8
119 32.0 26.4 39.6

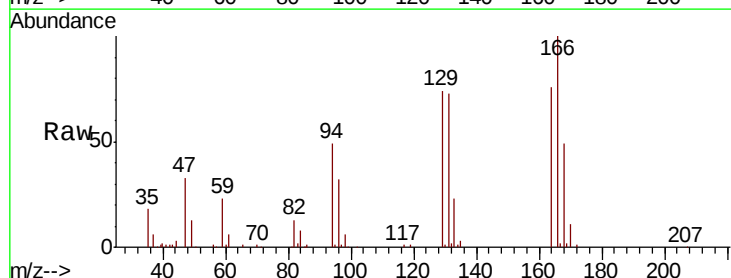


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

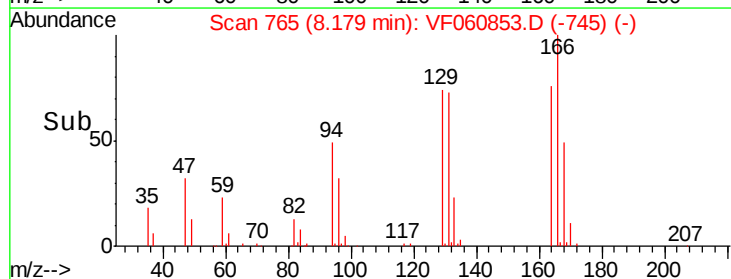
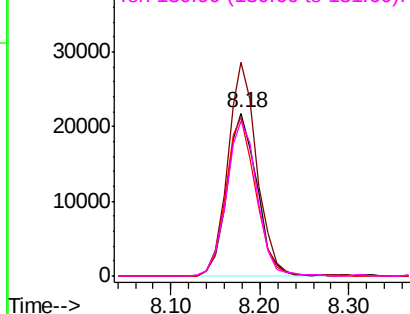


#64
Tetrachloroethene
Concen: 20.473 ug/l
RT: 8.18 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:164 Resp: 51595
Ion Ratio Lower Upper
164 100
166 131.2 100.3 150.5
129 97.4 77.9 116.9
131 95.3 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

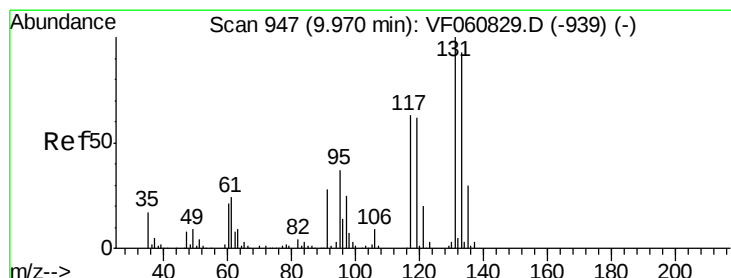
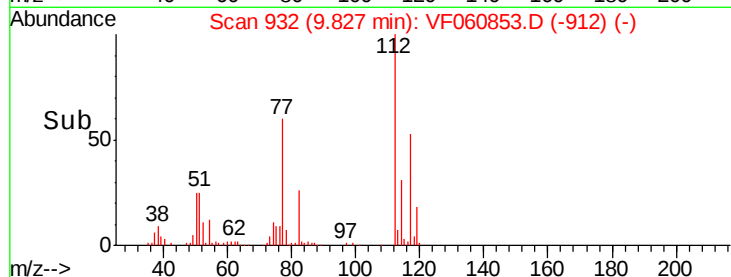
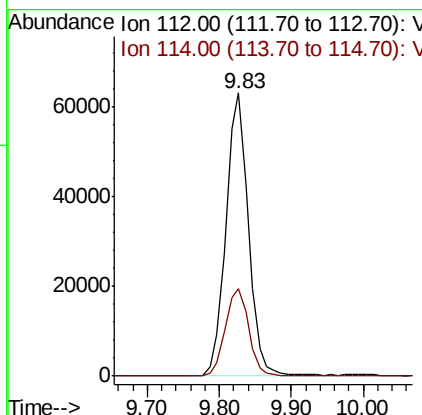
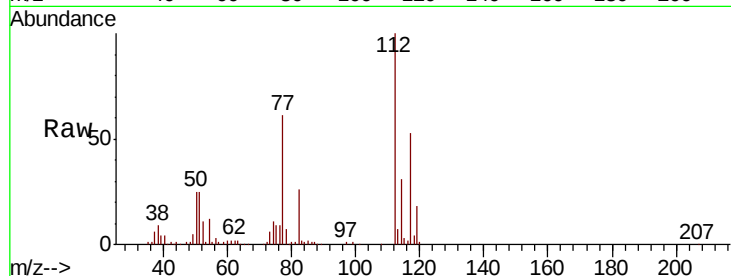




#65
Chlorobenzene
Concen: 21.408 ug/l
RT: 9.83 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

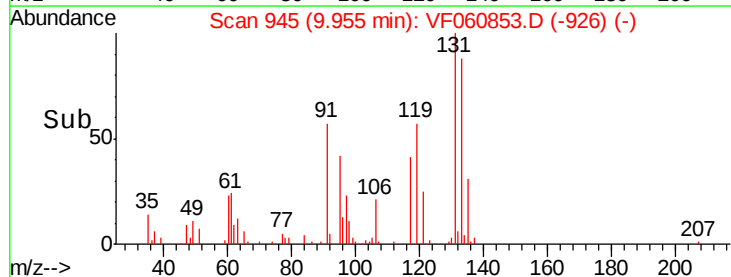
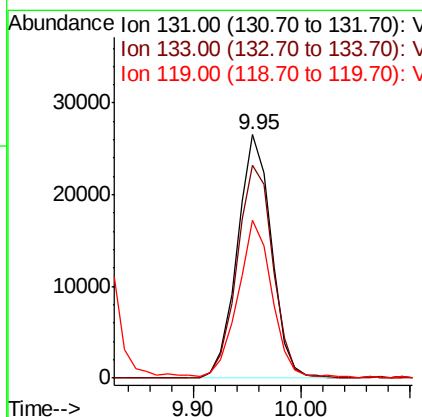
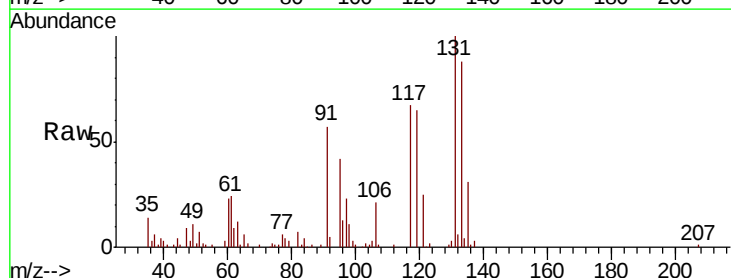
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion:112 Resp: 137417
Ion Ratio Lower Upper
112 100
114 31.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.119 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:131 Resp: 58278
Ion Ratio Lower Upper
131 100
133 87.7 46.5 139.3
119 65.1 31.1 93.3

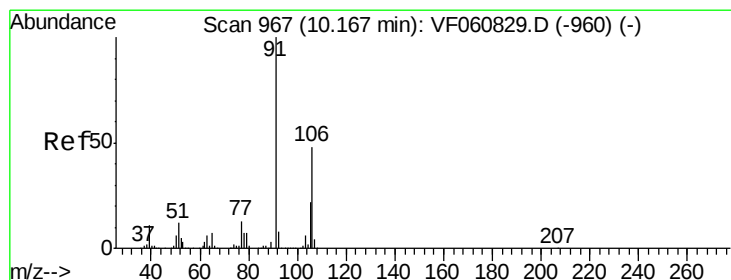
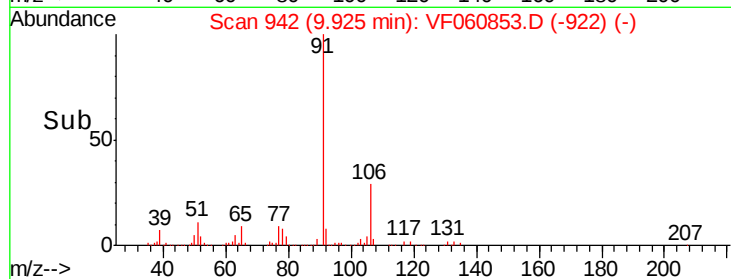
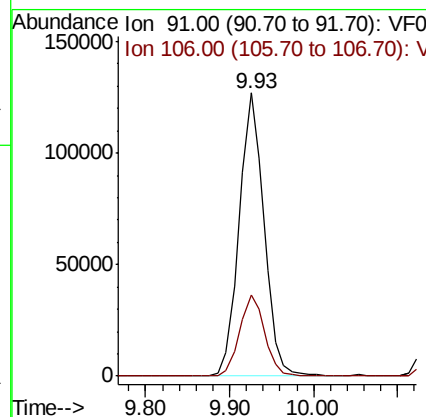
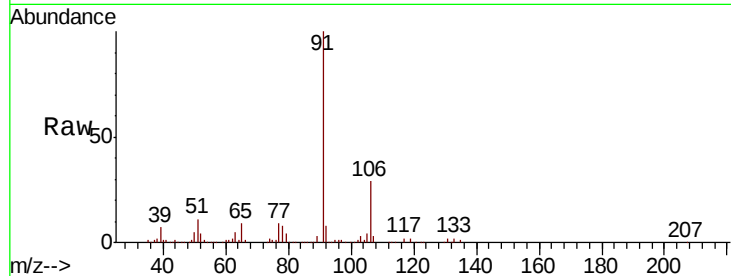




#67
Ethyl Benzene
Concen: 21.831 ug/l
RT: 9.93 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

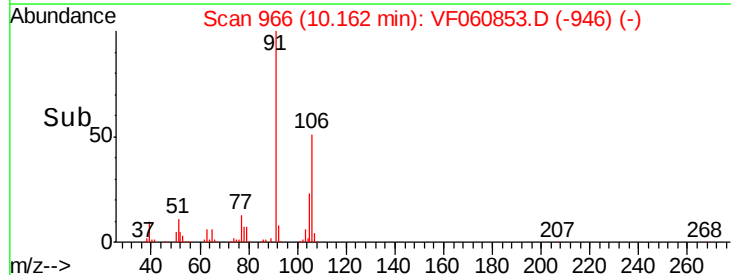
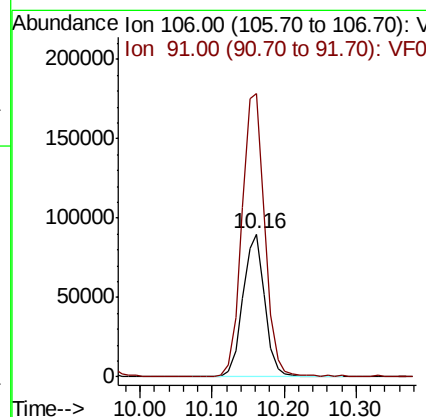
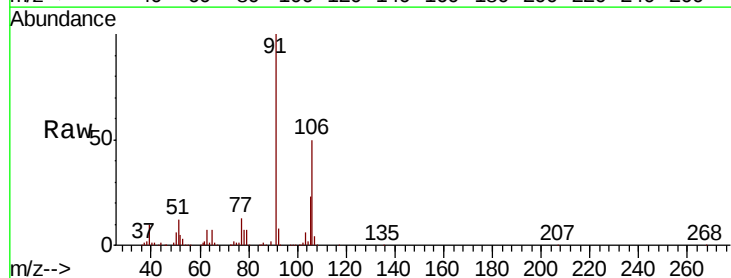
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

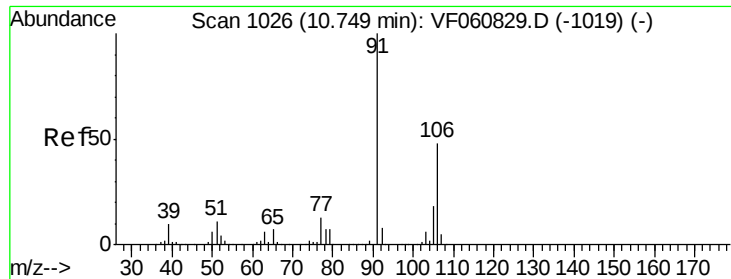
Tot Ion: 91 Resp: 260875
Ion Ratio Lower Upper
91 100
106 28.5 22.2 33.2



#68
m/p-Xylenes
Concen: 44.208 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 106 Resp: 190003
Ion Ratio Lower Upper
106 100
91 198.1 166.7 250.1

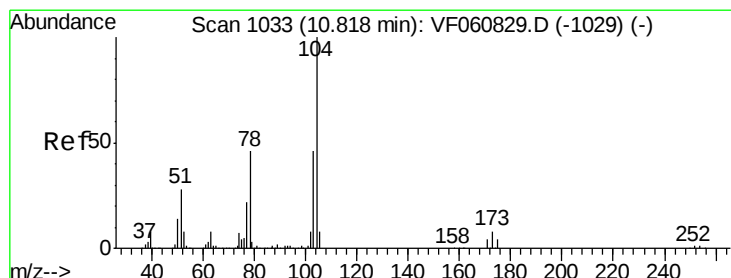
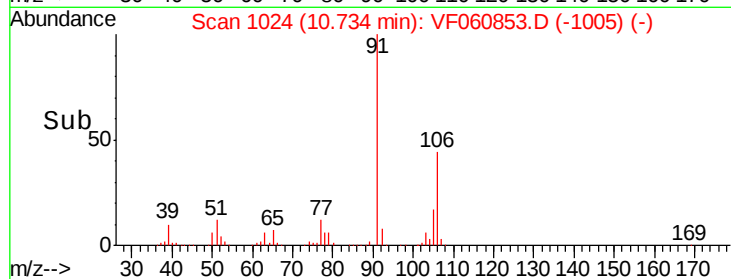
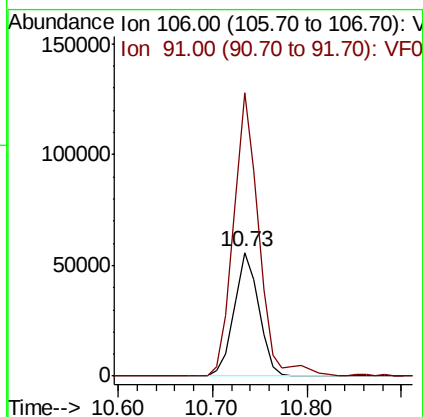
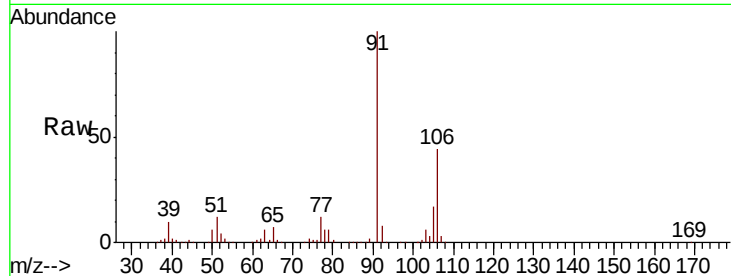




#69
o-Xylene
Concen: 21.553 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

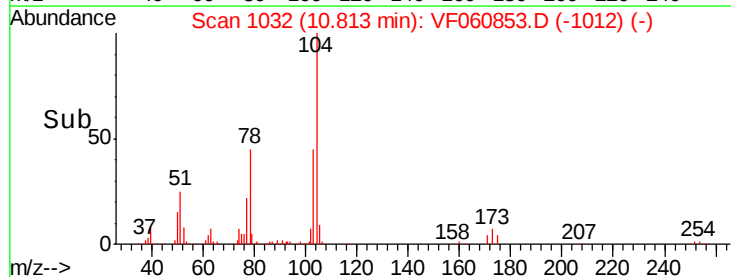
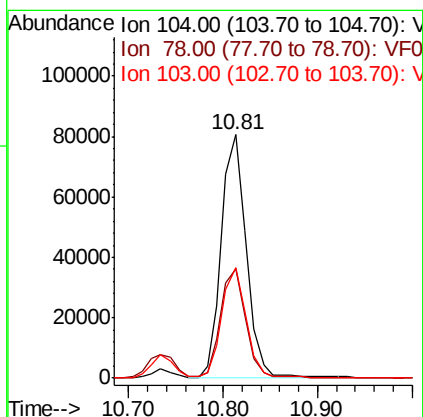
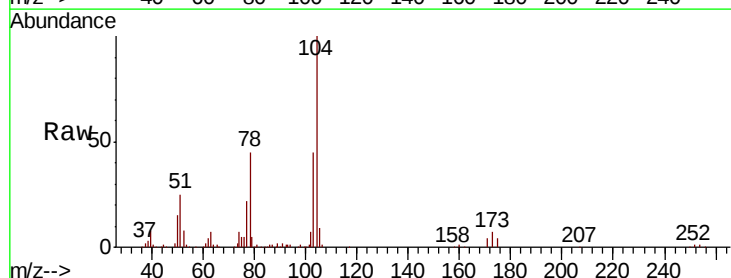
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

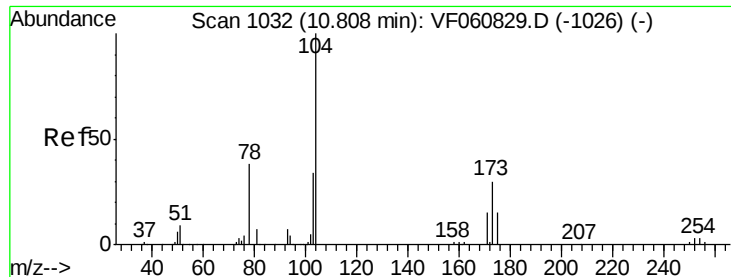
Tot Ion:106 Resp: 102146
Ion Ratio Lower Upper
106 100
91 228.6 104.8 314.6



#70
Styrene
Concen: 22.285 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion:104 Resp: 146410
Ion Ratio Lower Upper
104 100
78 44.6 37.3 55.9
103 45.1 36.8 55.2





#71

Bromoform

Concen: 20.780 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

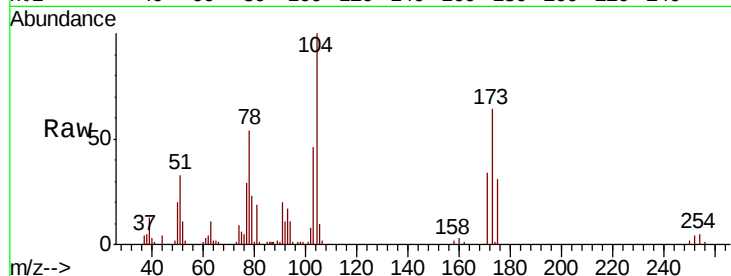
Tot Ion:173 Resp: 27697

Ion Ratio Lower Upper

173 100

175 48.5 25.5 76.5

254 8.3 7.5 11.3

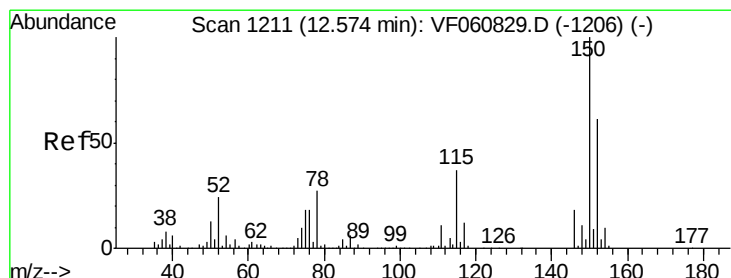
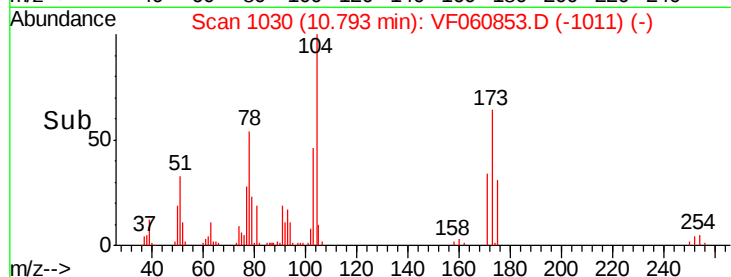
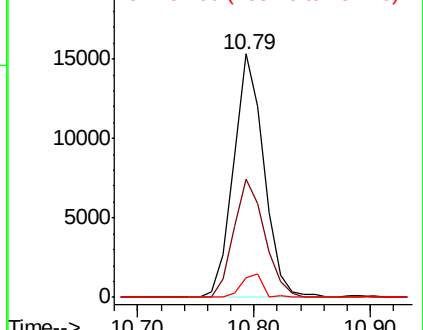


Abundance

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: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

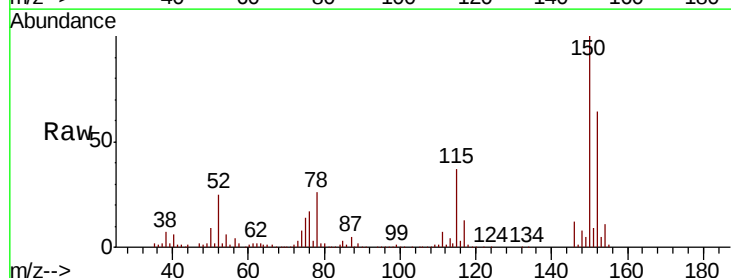
Tgt Ion:152 Resp: 171288

Ion Ratio Lower Upper

152 100

115 58.5 30.1 90.5

150 156.3 0.0 327.6

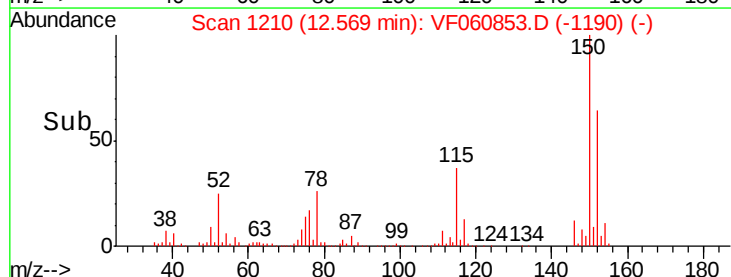
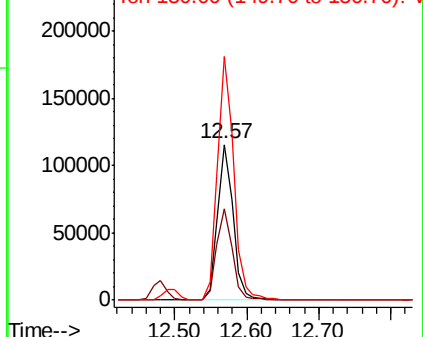


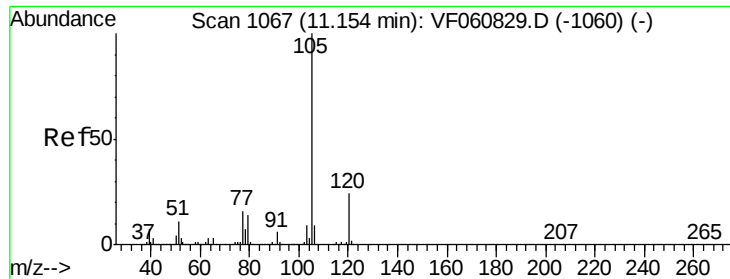
Abundance

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: 23.023 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

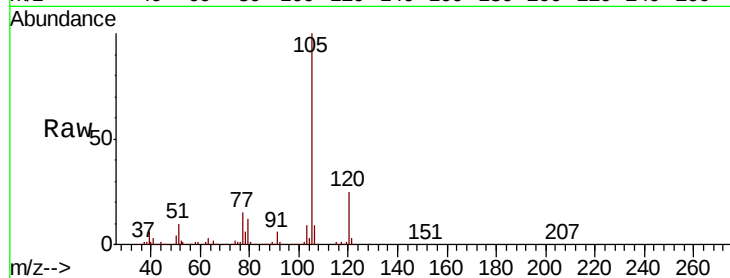
VF1128SBDS01

Tot Ion:105 Resp: 311645

Ion Ratio Lower Upper

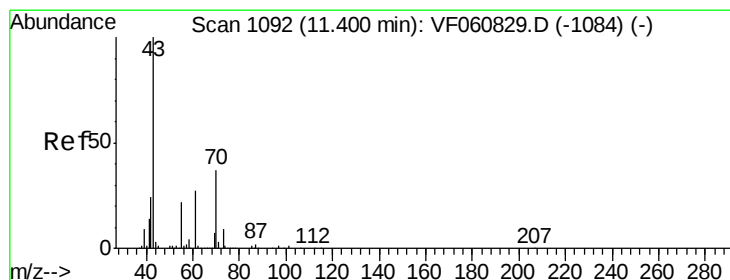
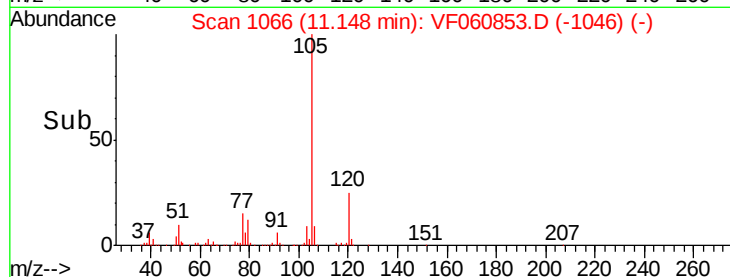
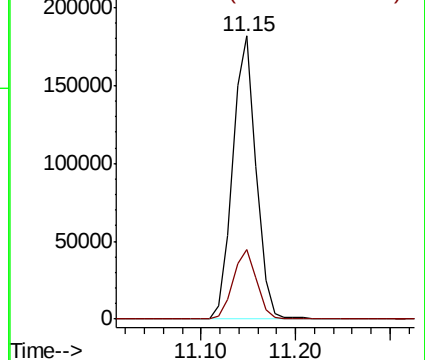
105 100

120 24.7 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: 23.817 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Tgt Ion: 43 Resp: 74444

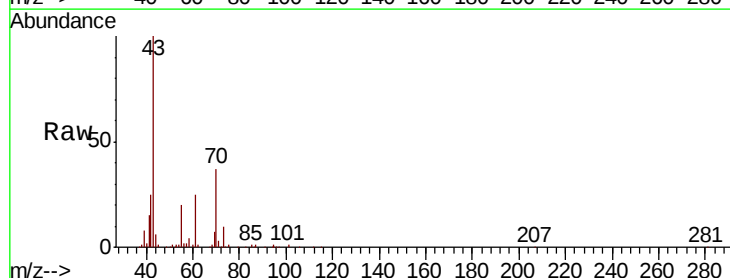
Ion Ratio Lower Upper

43 100

70 37.2 29.6 44.4

55 20.3 17.2 25.8

61 24.7 21.8 32.6

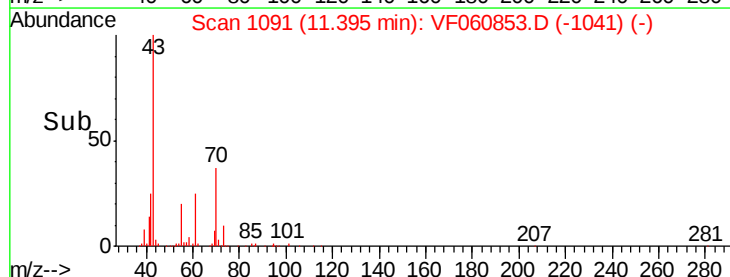
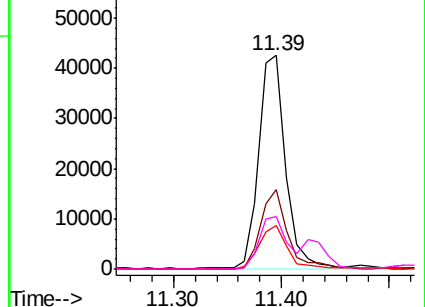


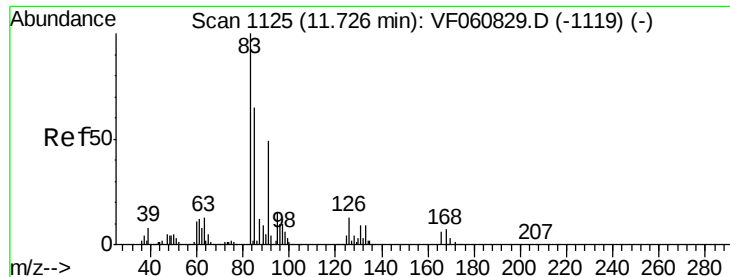
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 23.188 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

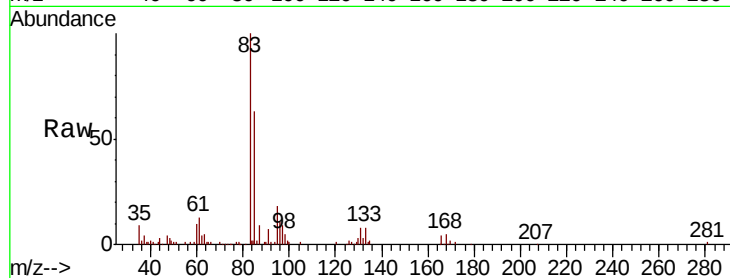
Tot Ion: 83 Resp: 51657

Ion Ratio Lower Upper

83 100

131 8.0 4.7 14.1

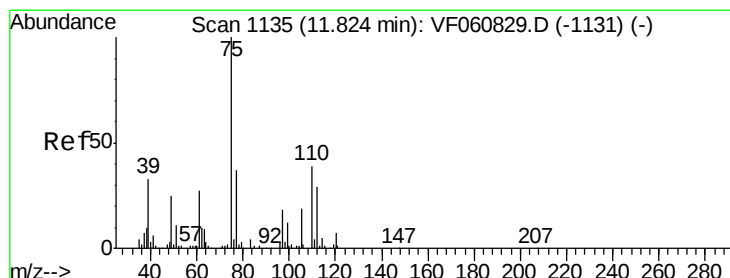
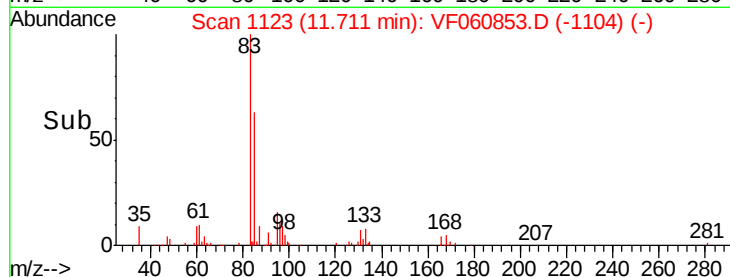
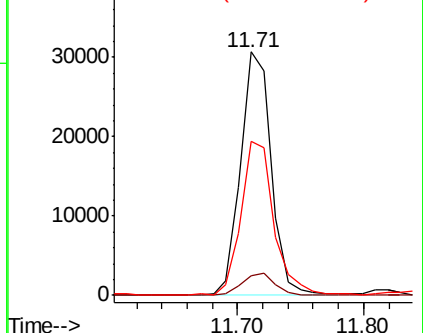
85 63.0 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.508 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060853.D

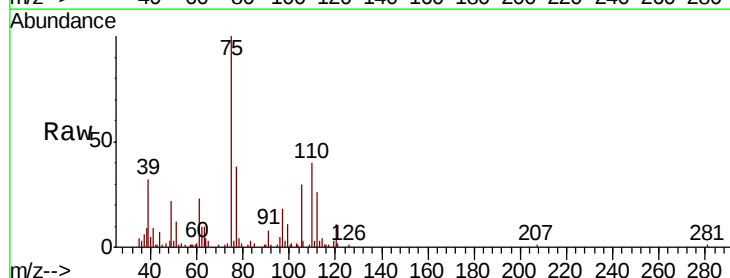
Acq: 28 Nov 2018 12:51

Tgt Ion: 75 Resp: 36446

Ion Ratio Lower Upper

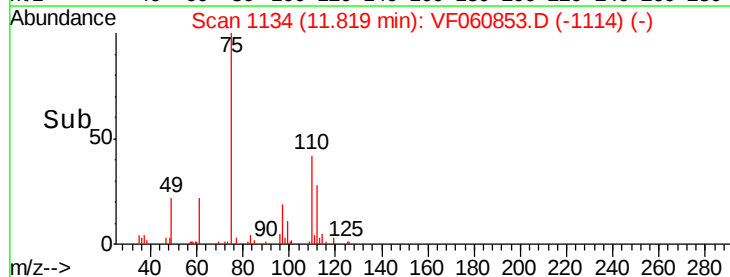
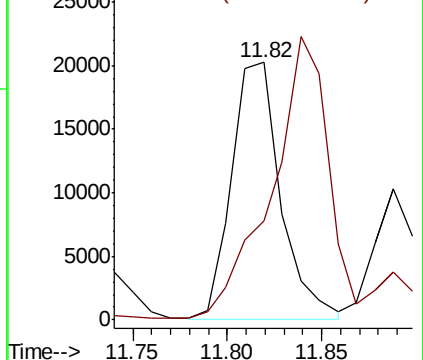
75 100

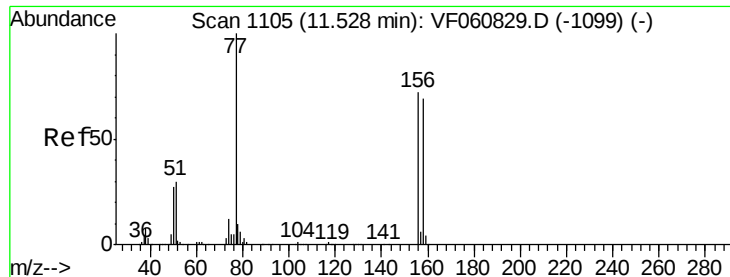
77 38.2 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.953 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

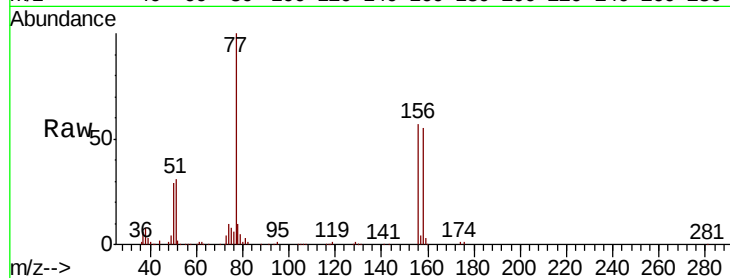
Tot Ion:156 Resp: 62180

Ion Ratio Lower Upper

156 100

77 174.8 69.7 209.0

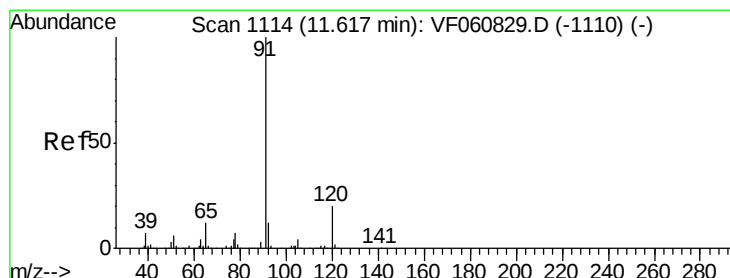
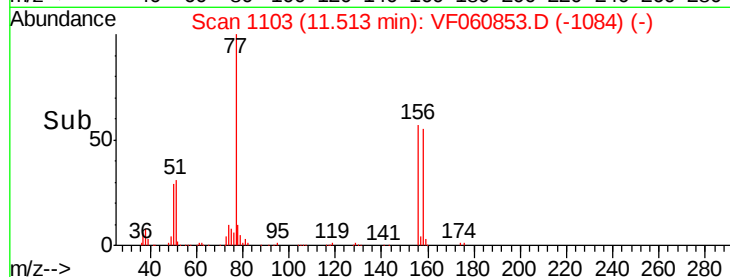
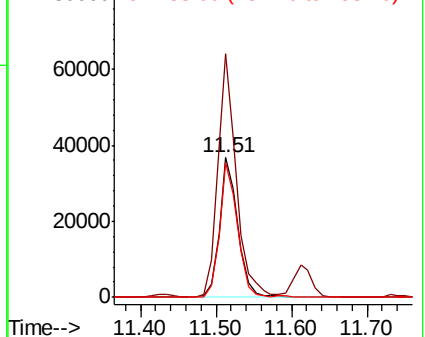
158 96.5 47.8 143.4



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: 21.956 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060853.D

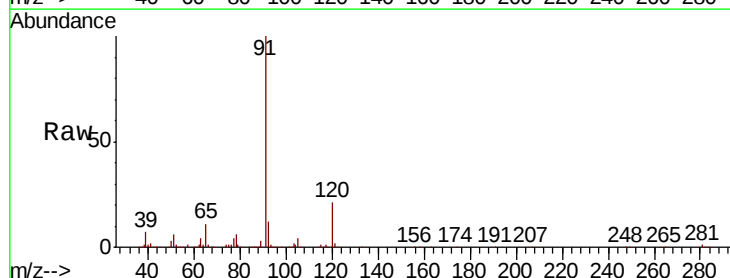
Acq: 28 Nov 2018 12:51

Tgt Ion: 91 Resp: 348041

Ion Ratio Lower Upper

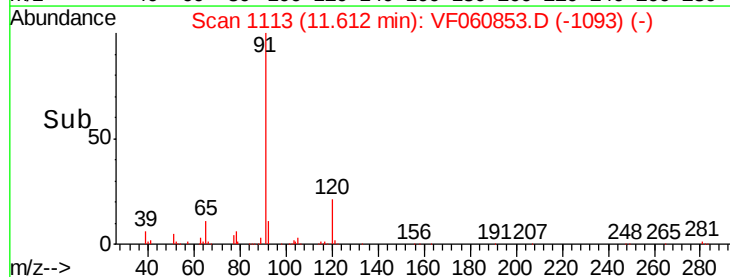
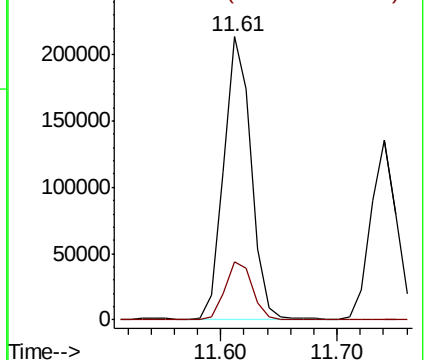
91 100

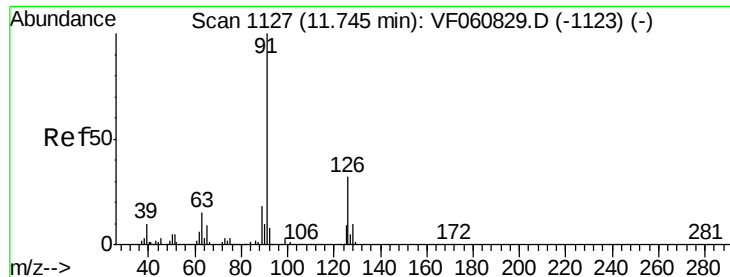
120 20.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.813 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

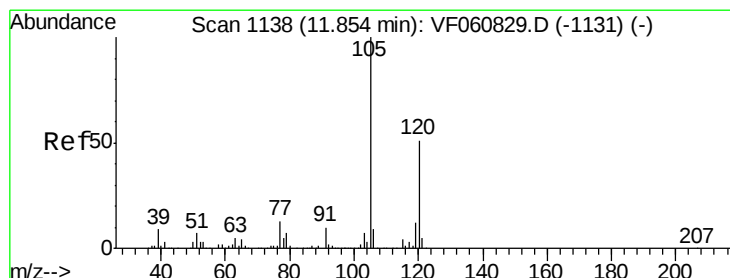
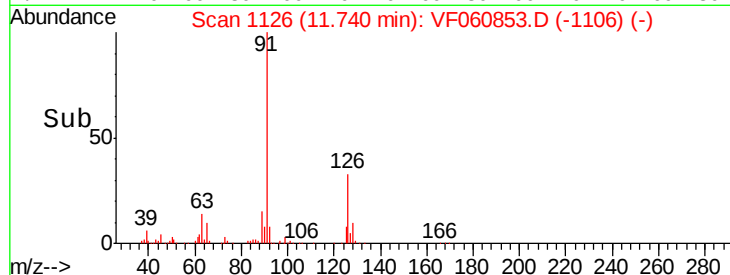
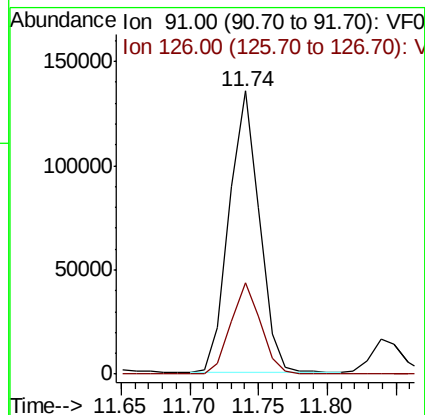
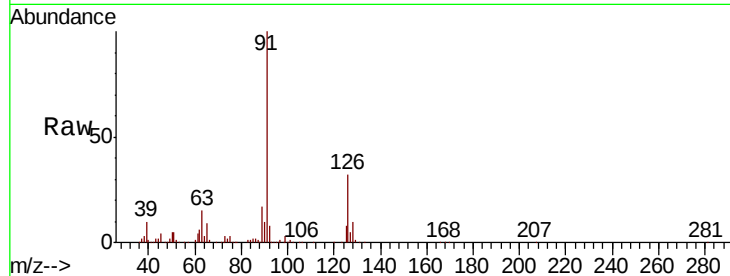
VF1128SBDS01

Tot Ion: 91 Resp: 207349

Ion Ratio Lower Upper

91 100

126 32.5 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 22.803 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF060853.D

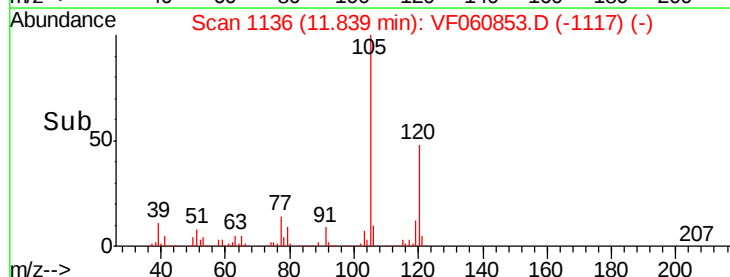
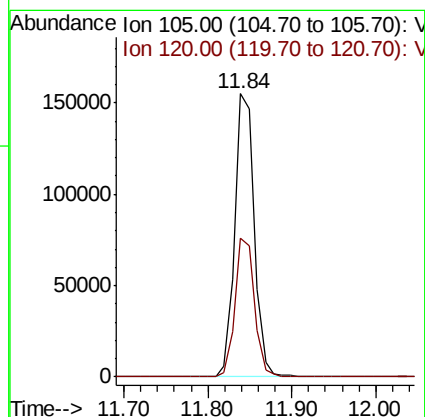
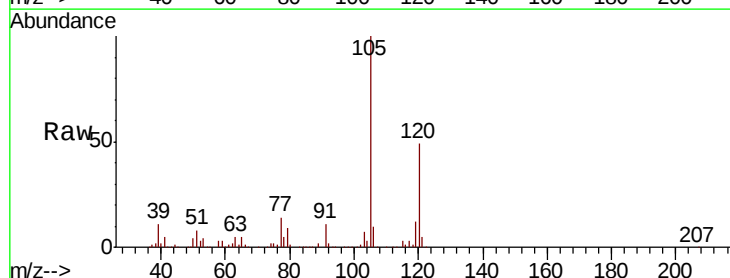
Acq: 28 Nov 2018 12:51

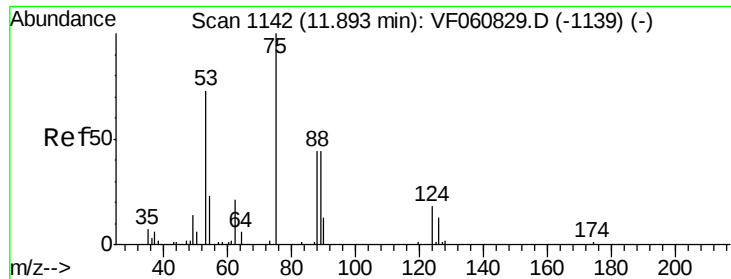
Tgt Ion: 105 Resp: 250583

Ion Ratio Lower Upper

105 100

120 48.9 25.8 77.3

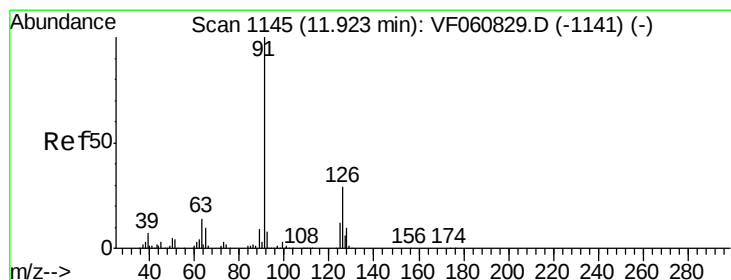
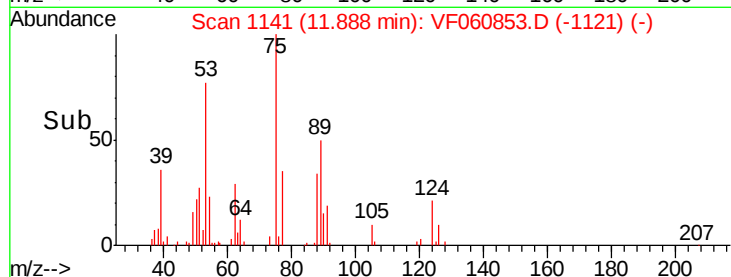
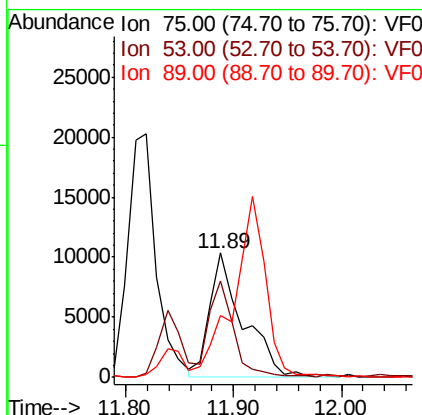
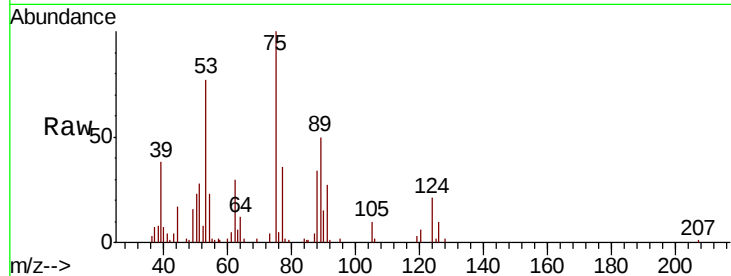




#81
trans-1,4-Dichloro-2-butene
Concen: 28.617 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

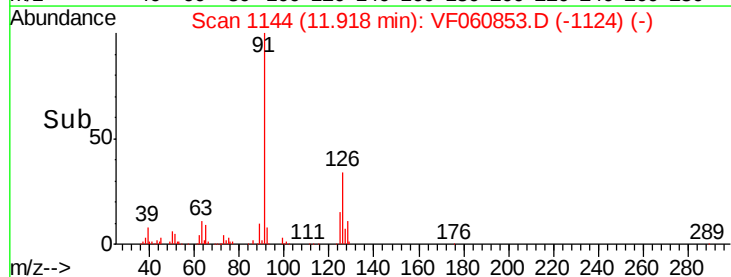
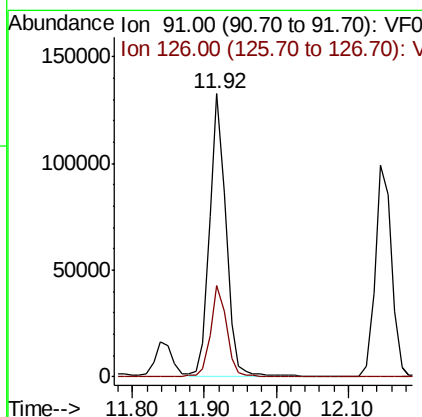
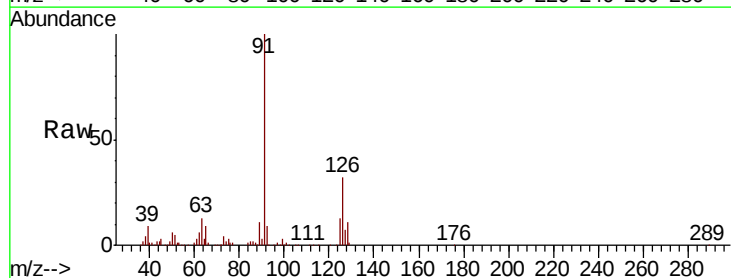
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

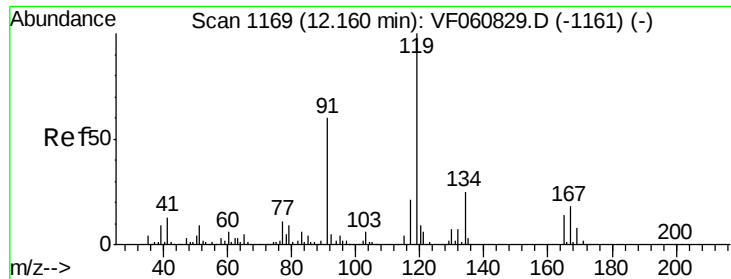
Tot Ion: 75 Resp: 22704
Ion Ratio Lower Upper
75 100
53 77.4 65.9 98.9
89 49.7 38.8 58.2



#82
4-Chlorotoluene
Concen: 21.476 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 91 Resp: 205423
Ion Ratio Lower Upper
91 100
126 32.4 14.8 44.4





#83

tert-Butylbenzene

Concen: 22.906 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

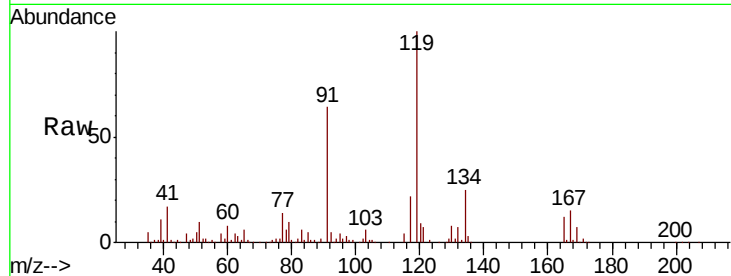
Tot Ion:119 Resp: 256397

Ion Ratio Lower Upper

119 100

91 64.2 30.1 90.3

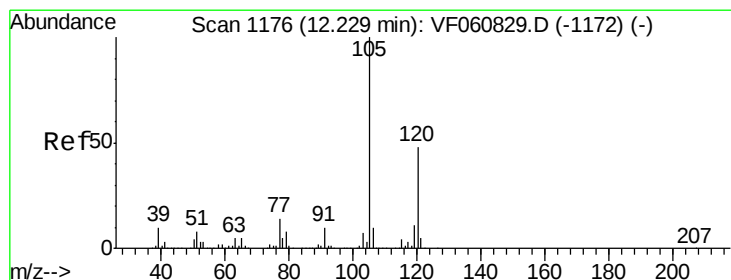
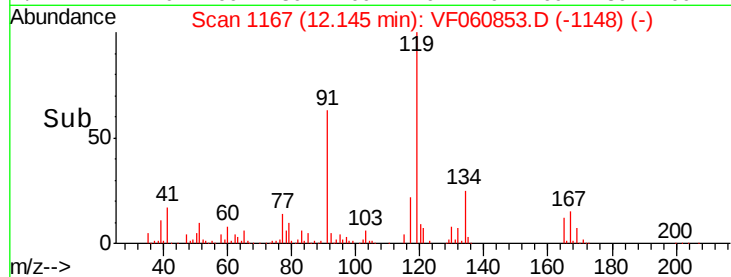
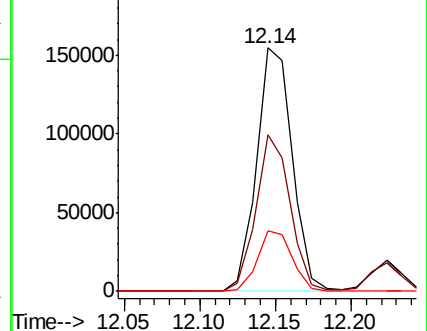
134 24.8 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.443 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VF060853.D

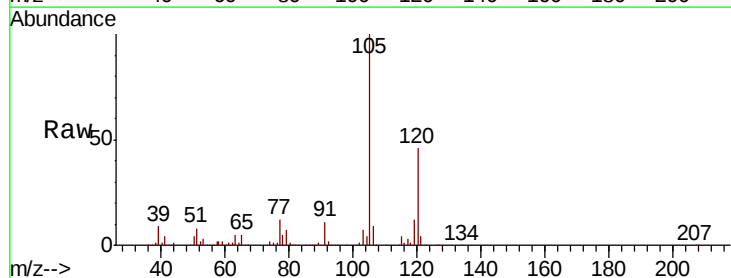
Acq: 28 Nov 2018 12:51

Tgt Ion:105 Resp: 246139

Ion Ratio Lower Upper

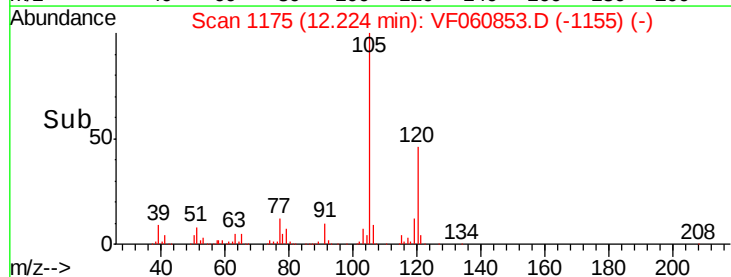
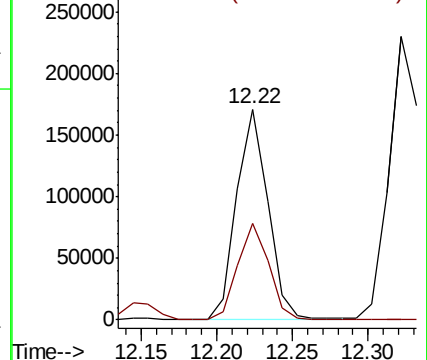
105 100

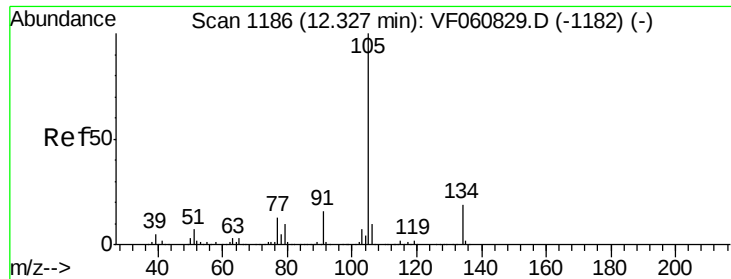
120 45.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

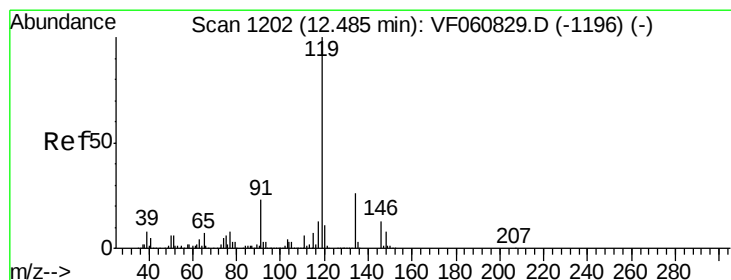
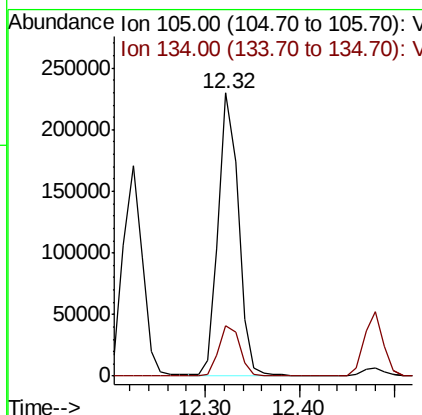
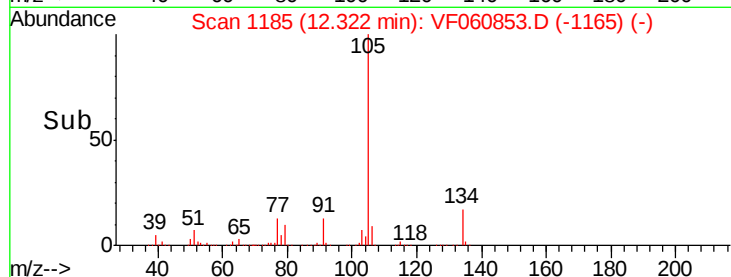
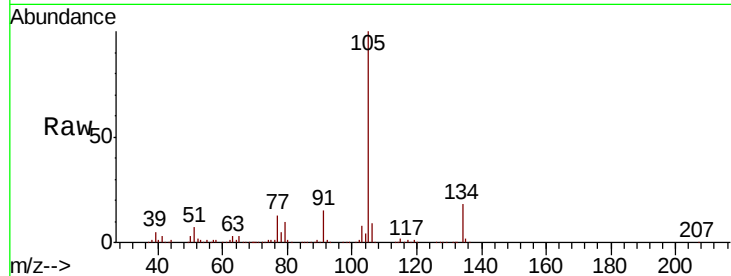




#85
 sec-Butylbenzene
 Concen: 22.351 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

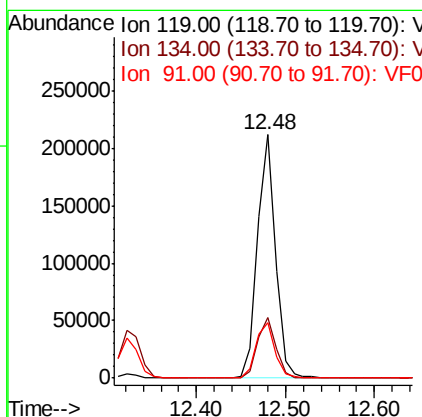
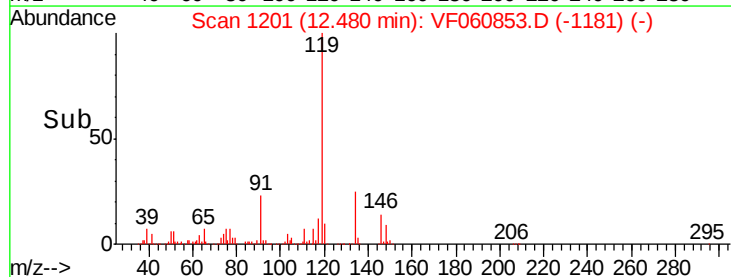
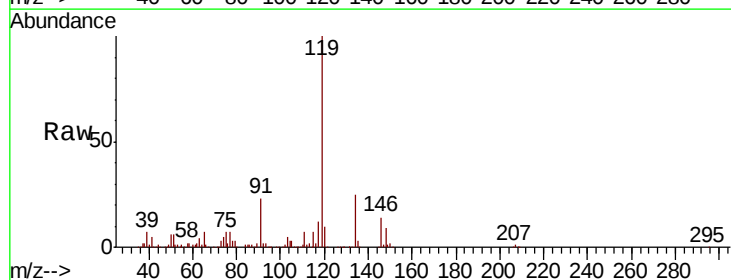
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

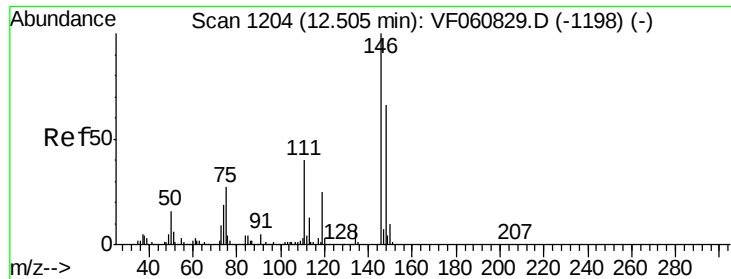
Tot Ion:105 Resp: 342484
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 22.801 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion:119 Resp: 292917
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.9 38.6
 91 23.0 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 22.557 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

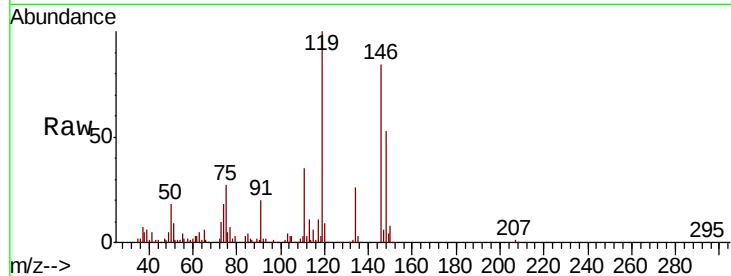
Tot Ion:146 Resp: 127334

Ion Ratio Lower Upper

146 100

111 41.2 20.0 59.9

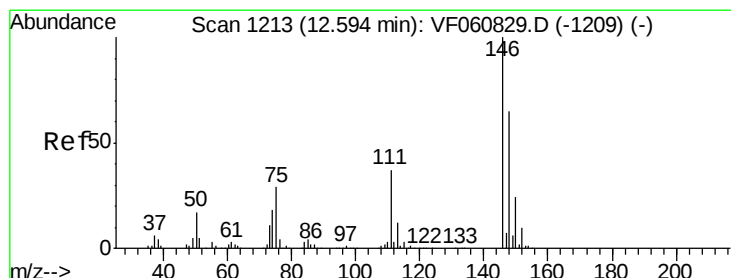
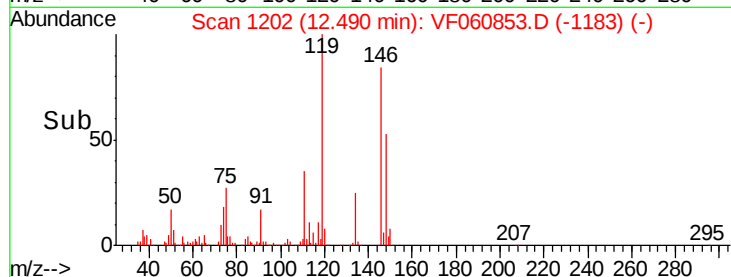
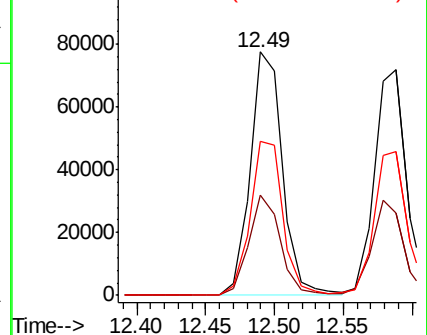
148 63.3 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.344 ug/l

RT: 12.59 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

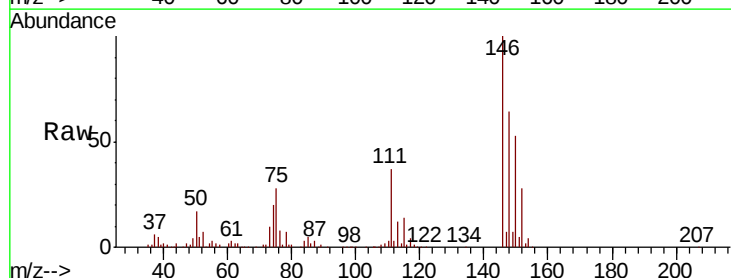
Tgt Ion:146 Resp: 117416

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

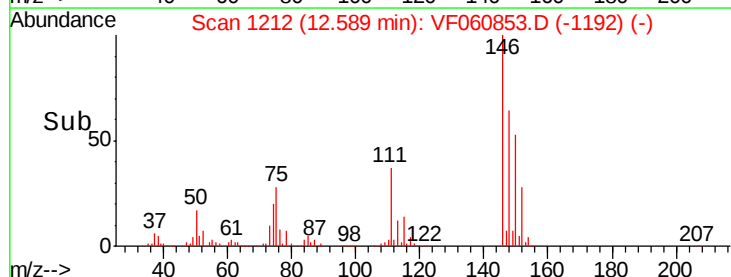
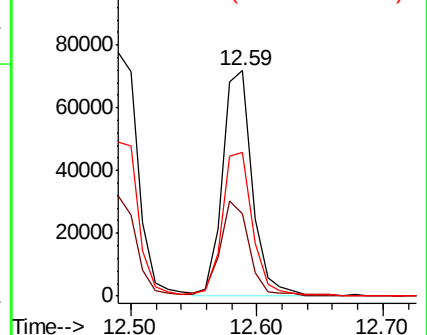
148 63.5 32.3 96.9

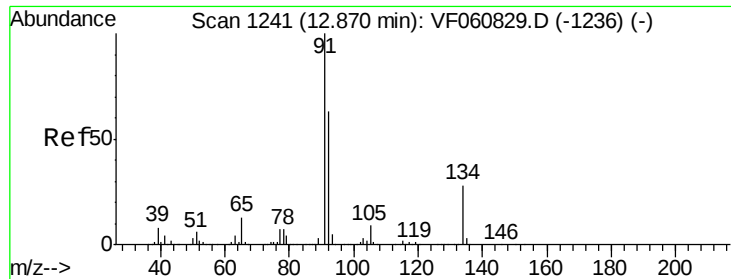


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

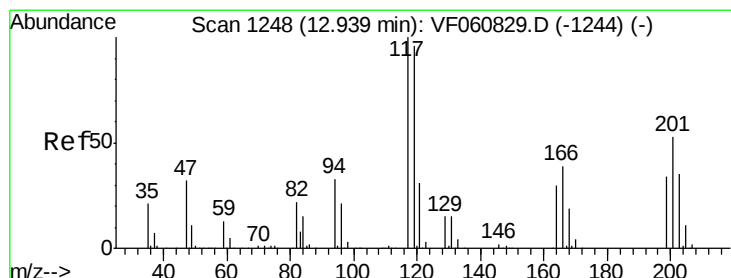
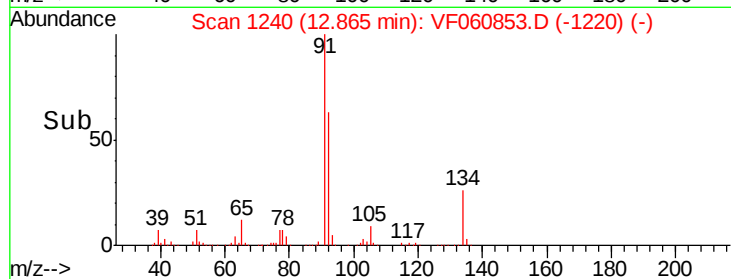
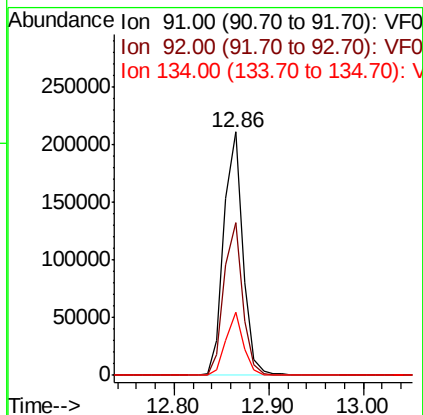
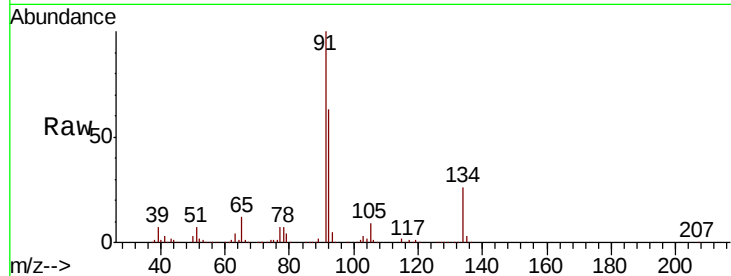




#89
n-Butylbenzene
Concen: 22.696 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

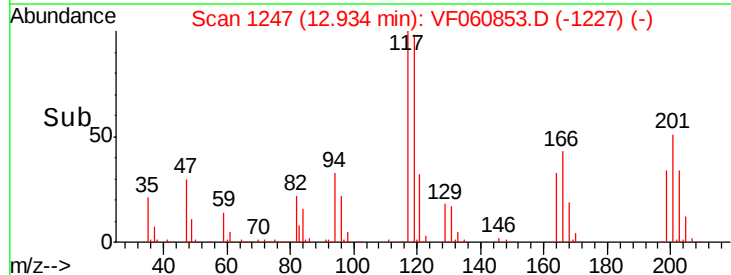
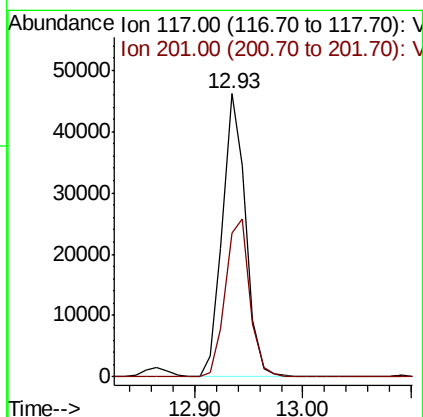
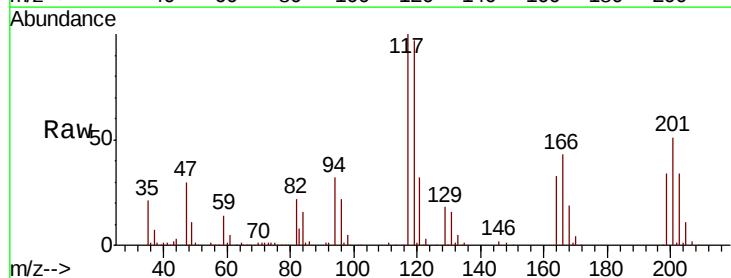
Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion: 91 Resp: 294827
Ion Ratio Lower Upper
91 100
92 62.8 31.6 94.7
134 26.2 13.8 41.4



#90
Hexachloroethane
Concen: 22.343 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion: 117 Resp: 69120
Ion Ratio Lower Upper
117 100
201 51.8 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 22.369 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

Instrument :

MSVOA_F

ClientSampleId :

VF1128SBDS01

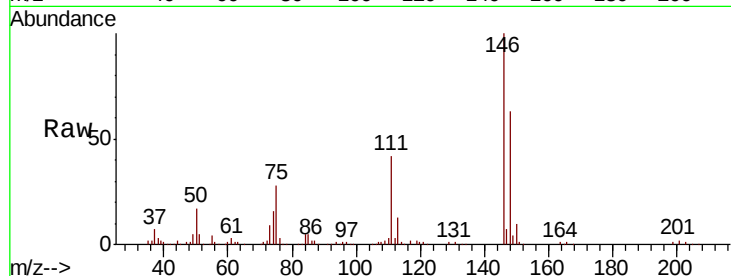
Tot Ion:146 Resp: 119578

Ion Ratio Lower Upper

146 100

111 41.9 21.2 63.6

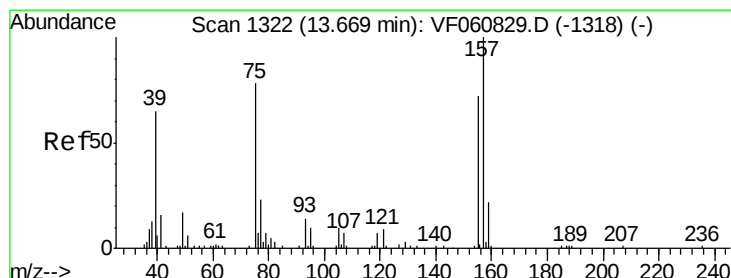
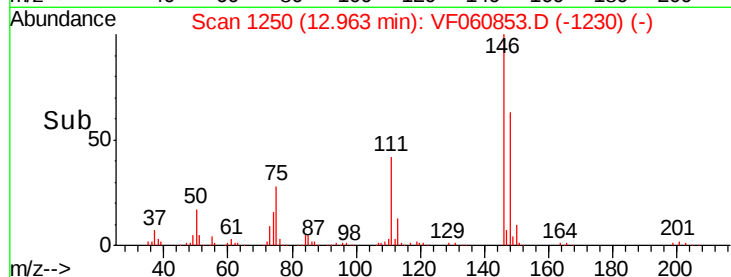
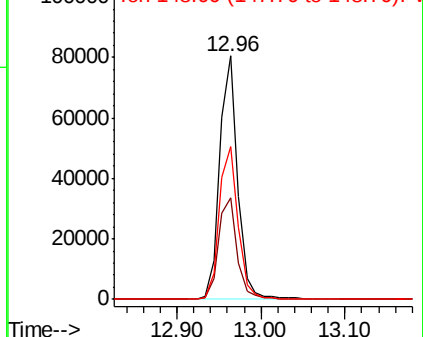
148 63.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.515 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060853.D

Acq: 28 Nov 2018 12:51

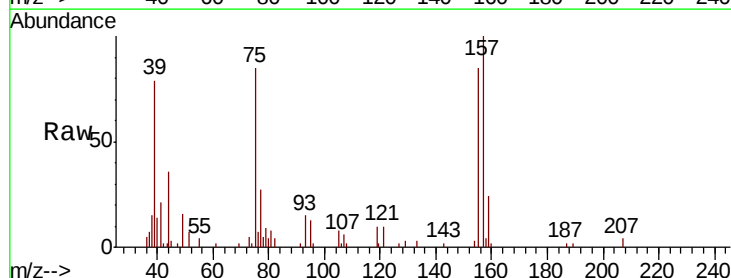
Tgt Ion: 75 Resp: 8836

Ion Ratio Lower Upper

75 100

155 99.4 45.6 136.9

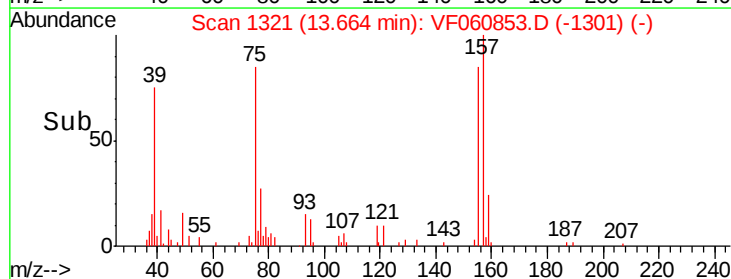
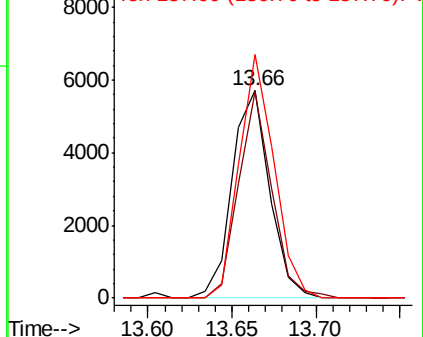
157 117.3 63.8 191.5

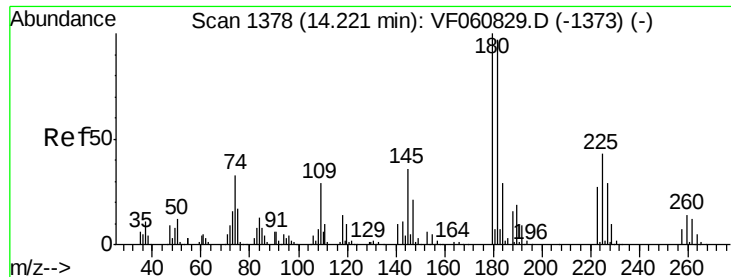


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

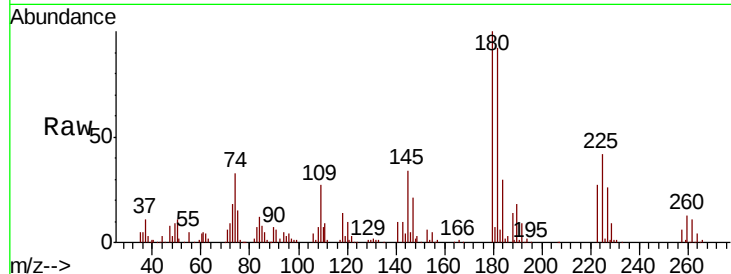




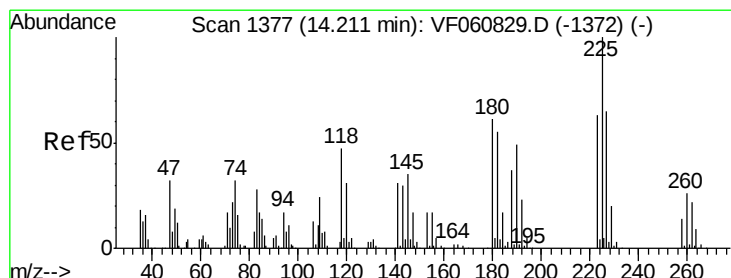
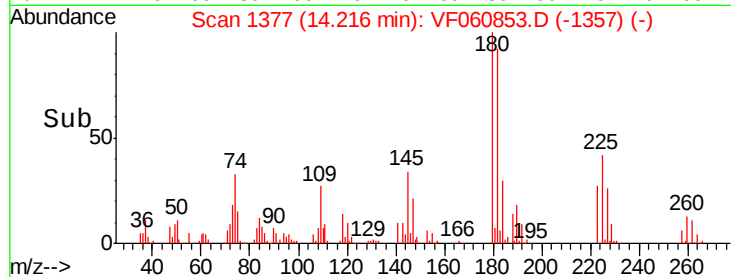
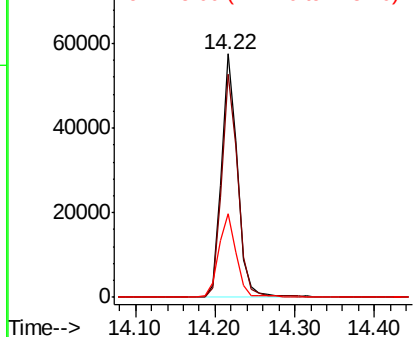
#93
 1,2,4-Trichlorobenzene
 Concen: 22.009 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1128SBDS01

Tot Ion:180 Resp: 82207
 Ion Ratio Lower Upper
 180 100
 182 91.6 48.5 145.5
 145 34.3 18.1 54.3

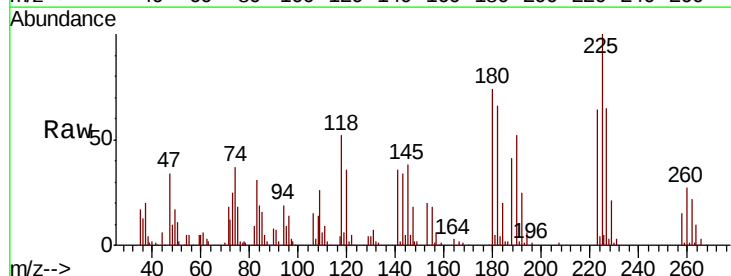


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

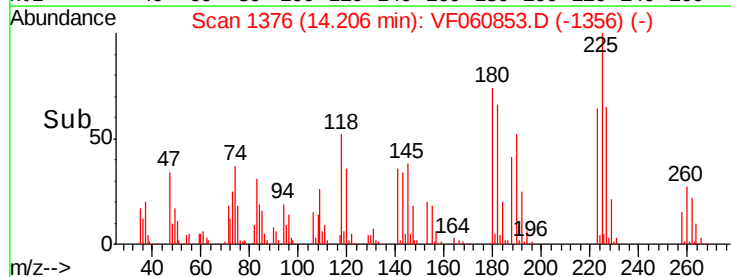
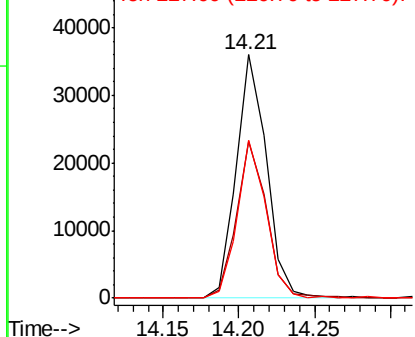


#94
 Hexachlorobutadiene
 Concen: 20.115 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060853.D
 Acq: 28 Nov 2018 12:51

Tgt Ion:225 Resp: 50085
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.3
 227 64.6 32.5 97.5



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

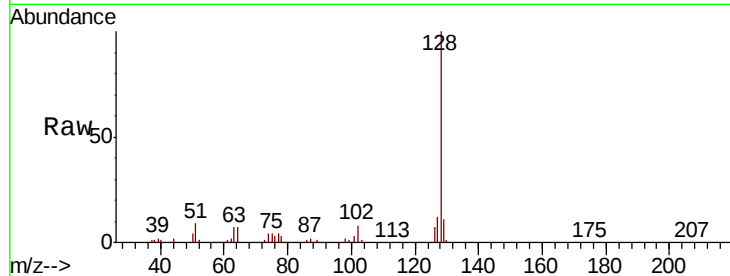




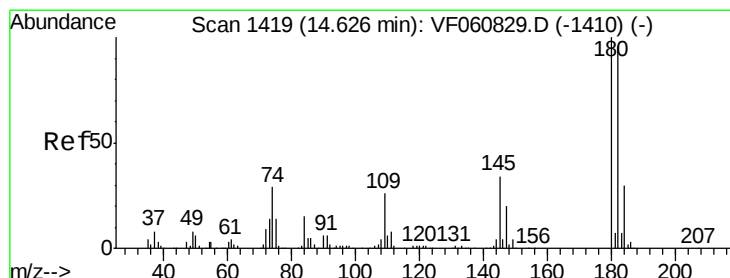
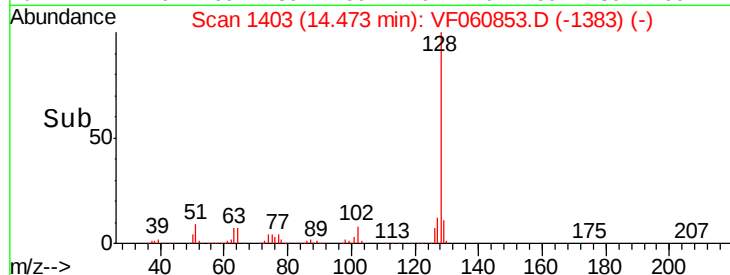
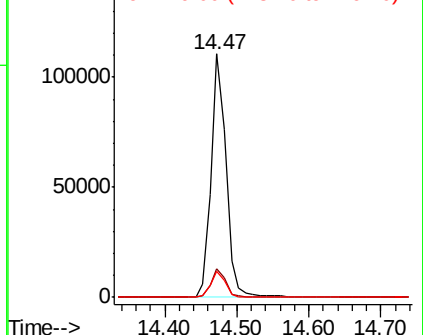
#95
Naphthalene
Concen: 19.907 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Instrument :
MSVOA_F
ClientSampleId :
VF1128SBDS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	10.9	9.1	13.7

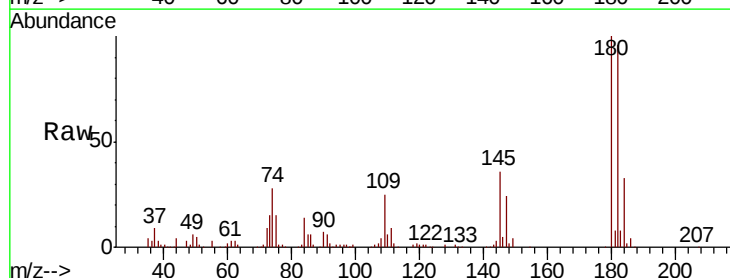


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.240 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060853.D
Acq: 28 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	36.4	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

