

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060628.D
 Acq On : 7 Nov 2018 14:21
 Operator : VA/AP
 Sample : VF1107SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 07 14:35:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	271359	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.60	114	468371	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	402897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	220511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	147296	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.12	113	188647	52.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.57	98	507118	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.41	95	224797	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	80787	26.619	ug/l	93
3) Chloromethane	1.10	50	57082	24.035	ug/l	94
4) Vinyl Chloride	1.15	62	52011	23.766	ug/l	96
5) Bromomethane	1.33	94	29440	23.966	ug/l	86
6) Chloroethane	1.38	64	17792	19.933	ug/l #	87
7) Trichlorofluoromethane	1.50	101	71647	17.492	ug/l	92
8) Diethyl Ether	1.64	74	15252	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54322	23.209	ug/l	94
10) Methyl Iodide	1.90	142	84528	21.946	ug/l	96
11) Tert butyl alcohol	2.59	59	12095	79.616	ug/l	97
12) 1,1-Dichloroethene	1.79	96	41677	21.141	ug/l #	87
13) Acrolein	2.01	56	11055	103.135	ug/l	96
14) Allyl chloride	2.10	41	73465	22.823	ug/l	97
15) Acrylonitrile	2.95	53	30801	94.263	ug/l	98
16) Acetone	2.24	43	67359	104.261	ug/l	99
17) Carbon Disulfide	1.83	76	125791	22.653	ug/l	97
18) Methyl Acetate	2.35	43	21451	21.650	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	94399	20.485	ug/l	99
20) Methylene Chloride	2.19	84	21283	6.339	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	45580	22.039	ug/l	91
22) Diisopropyl ether	2.81	45	137997	20.234	ug/l #	93
23) Vinyl Acetate	3.20	43	388344	94.773	ug/l	99
24) 1,1-Dichloroethane	2.88	63	86207	21.841	ug/l	98
25) 2-Butanone	4.34	43	129387	85.368	ug/l	97
26) 2,2-Dichloropropane	3.60	77	70012	23.706	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	81566	20.659	ug/l	97
28) Bromochloromethane	3.73	49	53481	21.592	ug/l	93
29) Tetrahydrofuran	4.09	42	47916	93.305	ug/l	98
30) Chloroform	3.87	83	131123	20.998	ug/l	98
31) Cyclohexane	3.71	56	119995	22.031	ug/l #	93
32) 1,1,1-Trichloroethane	4.11	97	110644	25.370	ug/l	98
36) 1,1-Dichloropropene	4.29	75	110408	21.409	ug/l	100
37) Ethyl Acetate	4.12	43	47303	19.108	ug/l	91
38) Carbon Tetrachloride	4.00	117	116266	26.384	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	136691	21.720	ug/l	96
40) Benzene	4.65	78	264523	21.131	ug/l	100
41) Methacrylonitrile	4.76	41	22570	16.099	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	70359	19.583	ug/l	93
43) Isopropyl Acetate	6.97	43	60571	19.343	ug/l #	96
44) Trichloroethene	5.52	130	78424	20.845	ug/l	97
45) 1,2-Dichloropropane	6.25	63	64201	20.053	ug/l	100
46) Dibromomethane	6.10	93	40667	20.022	ug/l #	82
47) Bromodichloromethane	6.39	83	98349	20.075	ug/l	93
48) Methyl methacrylate	6.73	41	36607	18.601	ug/l	95
49) 1,4-Dioxane	6.72	88	6917	335.977	ug/l	96
51) 4-Methyl-2-Pentanone	8.27	43	200902	95.405	ug/l	94
52) Toluene	7.64	92	165554	20.303	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	81734	19.196	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	109328	20.322	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	45415	19.139	ug/l	98
56) Ethyl methacrylate	8.63	69	55444	18.161	ug/l	99
57) 1,3-Dichloropropane	8.87	76	81455	19.564	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.64	63	22188	101.200	ug/l	100
59) 2-Hexanone	9.50	43	165994	104.107	ug/l	97
60) Dibromochloromethane	8.73	129	61977	18.676	ug/l	95
61) 1,2-Dibromoethane	9.00	107	47439	19.011	ug/l	91
64) Tetrachloroethene	8.17	164	62891	19.918	ug/l	96
65) Chlorobenzene	9.81	112	169045	20.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	74123	21.291	ug/l	95
67) Ethyl Benzene	9.92	91	328990	22.004	ug/l	98
68) m/p-Xylenes	10.14	106	227930	40.470	ug/l	90
69) o-Xylene	10.72	106	131122	21.321	ug/l	93
70) Styrene	10.80	104	180670	20.278	ug/l	99
71) Bromoform	10.78	173	30095	16.738	ug/l	97
73) Isopropylbenzene	11.14	105	392145	22.803	ug/l	97
74) N-amyl acetate	11.38	43	99466	20.742	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	62836	20.018	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	28857	18.706	ug/l	97
77) Bromobenzene	11.50	156	77895	20.700	ug/l	97
78) n-propylbenzene	11.60	91	457732	22.749	ug/l	98
79) 2-Chlorotoluene	11.73	91	254320	22.132	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	311246	21.957	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.88	75	28857	23.802	ug/l	92
82) 4-Chlorotoluene	11.91	91	263191	21.953	ug/l	99
83) tert-Butylbenzene	12.13	119	332082	22.932	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	308428	22.218	ug/l	97
85) sec-Butylbenzene	12.31	105	438243	21.999	ug/l	98
86) p-Isopropyltoluene	12.47	119	366312	22.330	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	159206	21.555	ug/l	95
88) 1,4-Dichlorobenzene	12.57	146	143736	20.518	ug/l	94
89) n-Butylbenzene	12.85	91	381474	21.388	ug/l	97
90) Hexachloroethane	12.92	117	91241	21.871	ug/l	77
91) 1,2-Dichlorobenzene	12.95	146	149177	21.589	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10420	19.107	ug/l	86

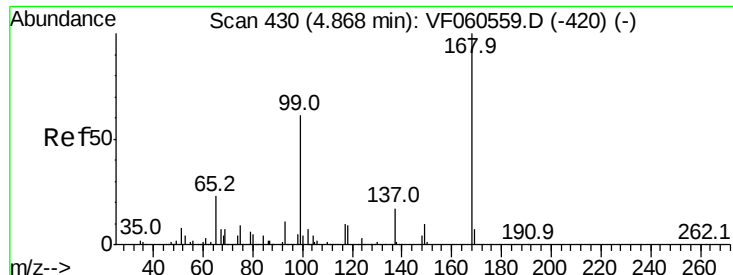
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110718\
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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	103688	22.088	ug/l	97
94) Hexachlorobutadiene	14.20	225	64937	21.348	ug/l	95
95) Naphthalene	14.46	128	195874	20.847	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	94101	21.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

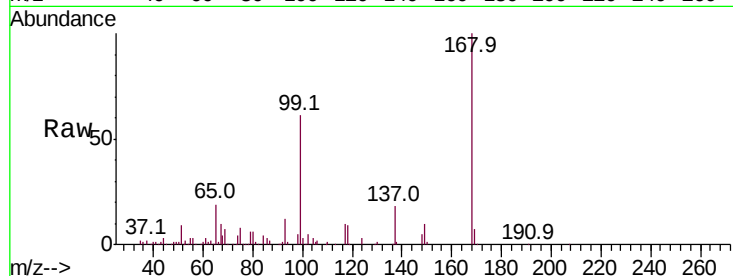
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 271359

Ion Ratio Lower Upper

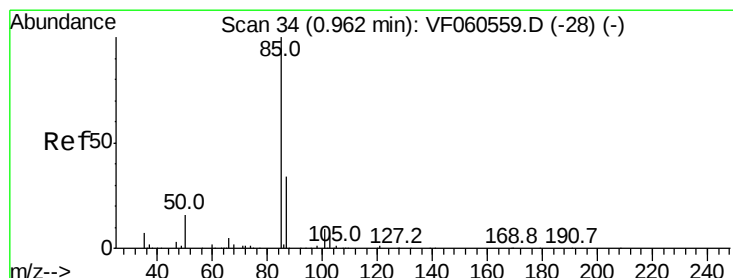
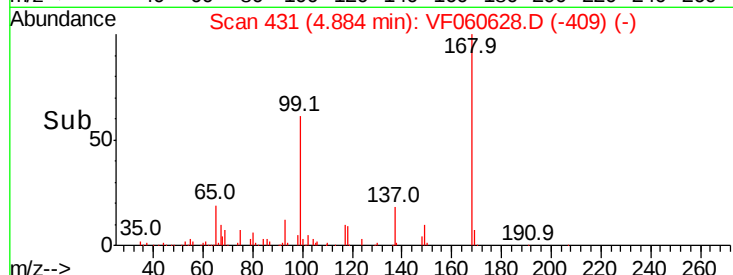
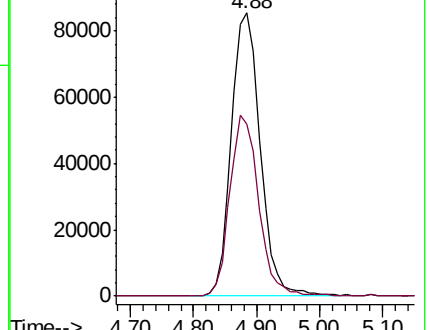
168 100

99 60.9 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 26.619 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF060628.D

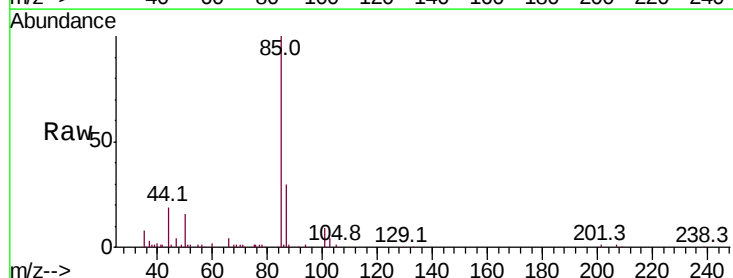
Acq: 7 Nov 2018 14:21

Tgt Ion: 85 Resp: 80787

Ion Ratio Lower Upper

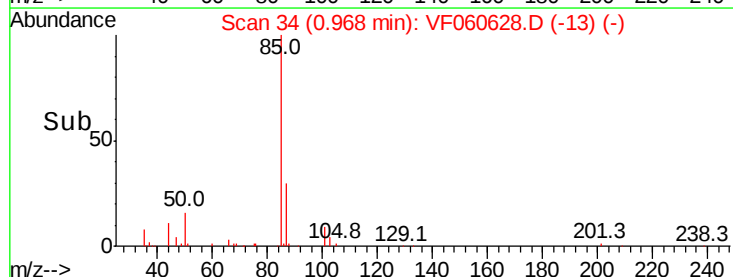
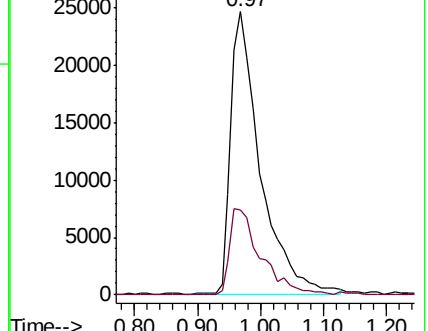
85 100

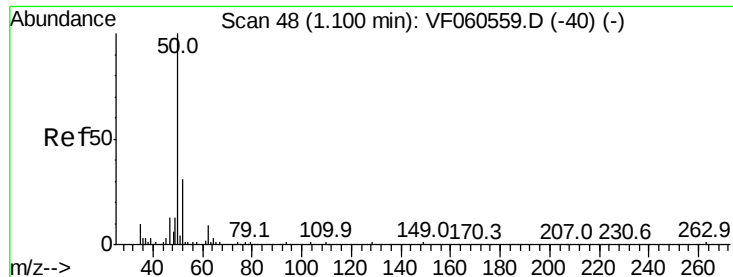
87 29.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 24.035 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

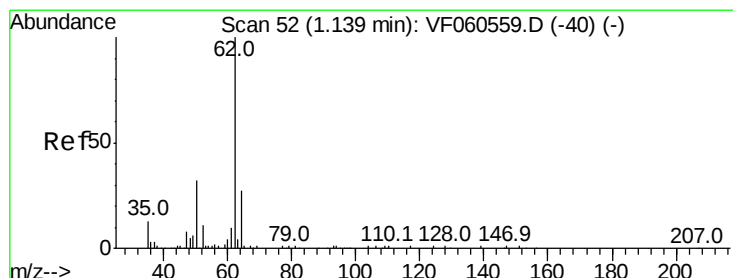
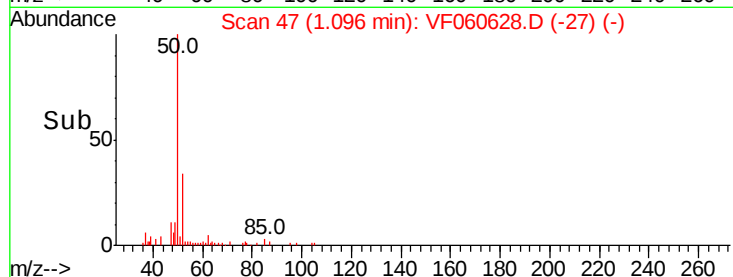
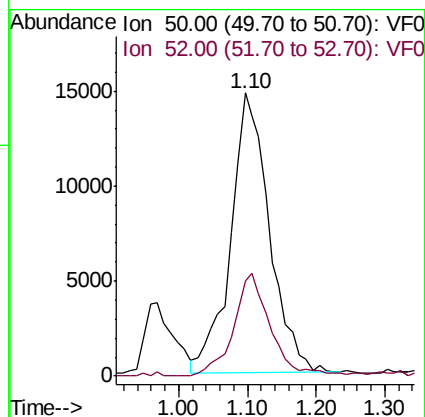
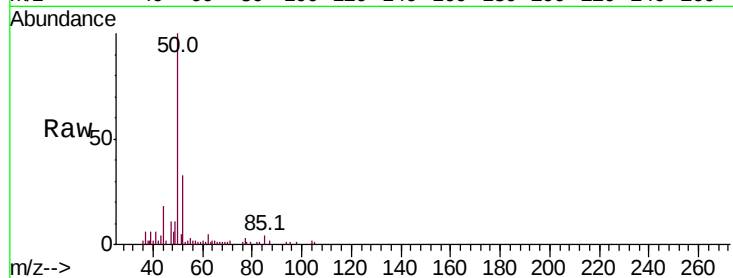
ClientSampleId :

Tot Ion: 50 Resp: 57082

Ion Ratio Lower Upper

50 100

52 33.5 24.0 36.0



#4

Vinyl Chloride

Concen: 23.766 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060628.D

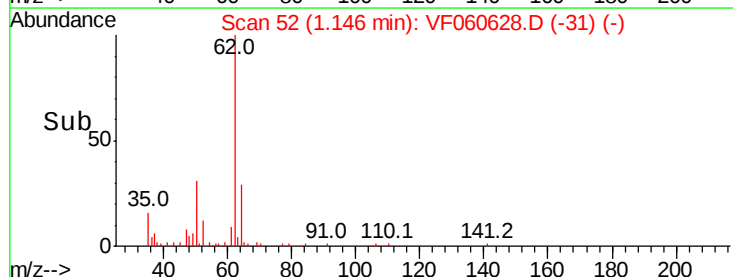
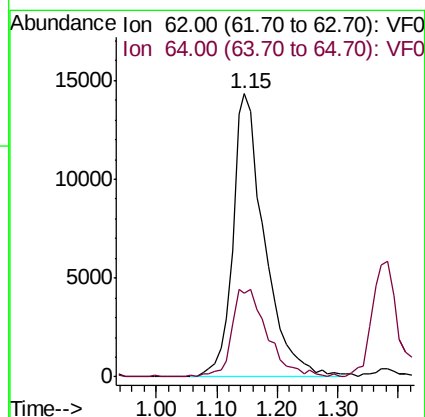
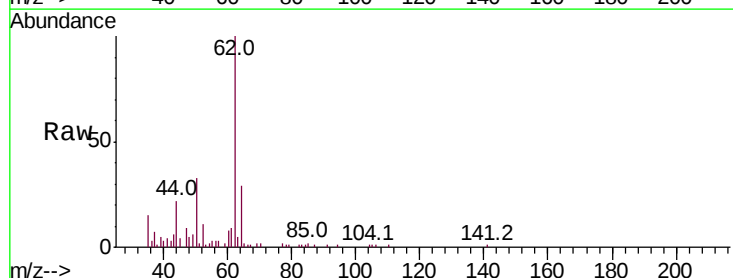
Acq: 7 Nov 2018 14:21

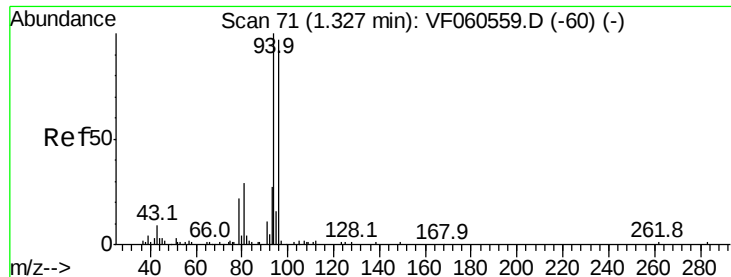
Tgt Ion: 62 Resp: 52011

Ion Ratio Lower Upper

62 100

64 29.5 21.8 32.6





#5

Bromomethane

Concen: 23.966 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

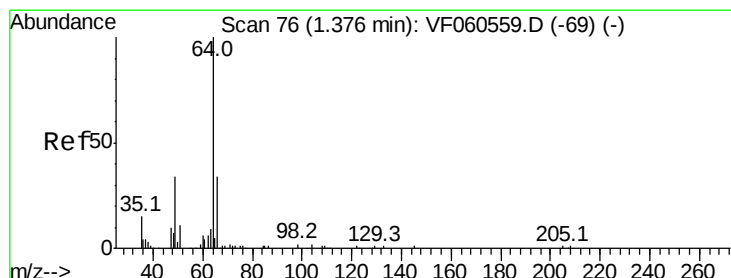
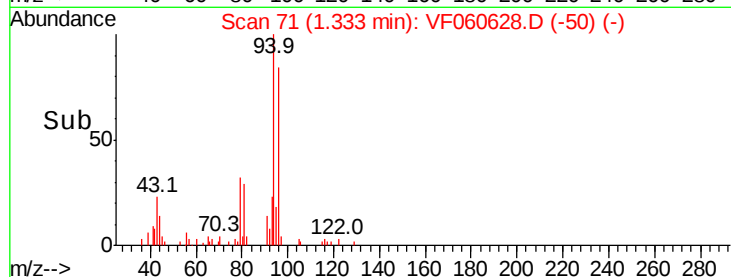
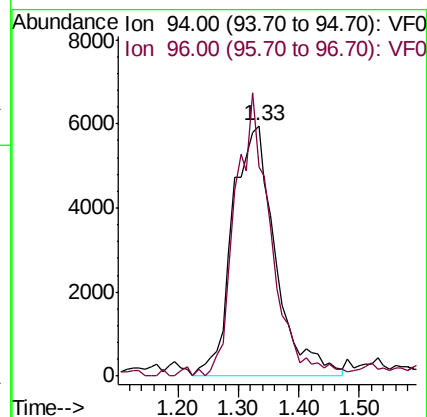
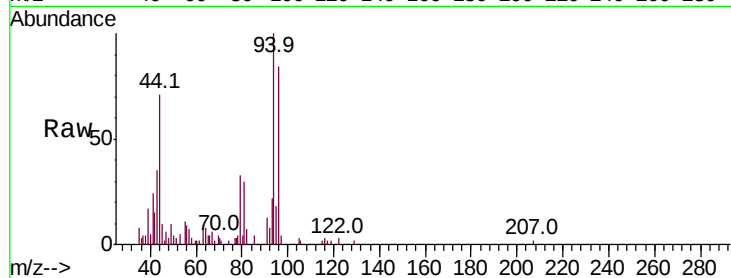
ClientSampleId :

Tot Ion: 94 Resp: 29440

Ion Ratio Lower Upper

94 100

96 83.5 77.9 116.9



#6

Chloroethane

Concen: 19.933 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF060628.D

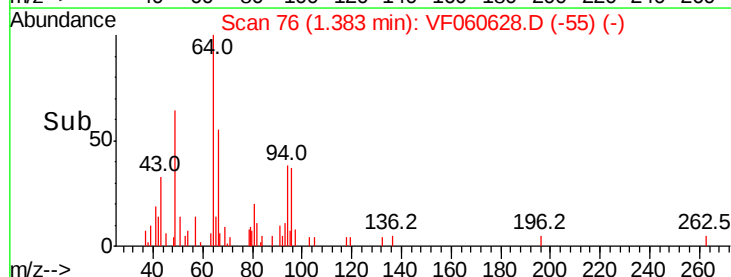
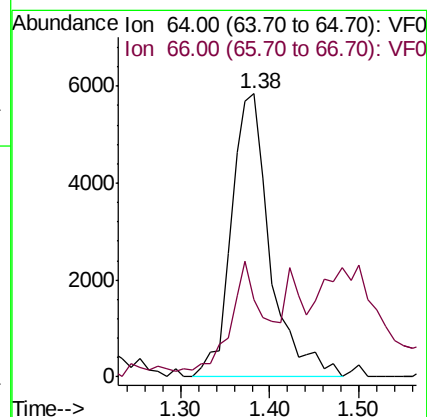
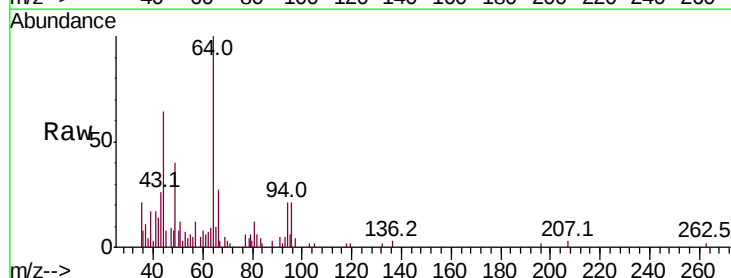
Acq: 7 Nov 2018 14:21

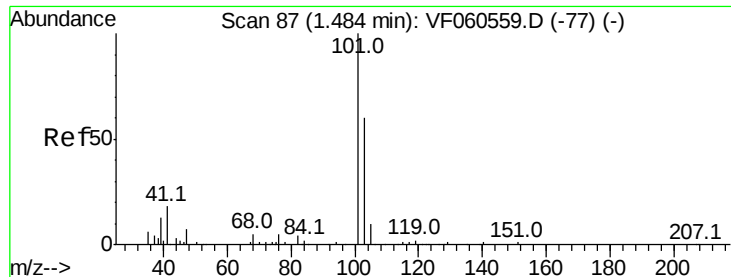
Tgt Ion: 64 Resp: 17792

Ion Ratio Lower Upper

64 100

66 27.4 27.8 41.8#



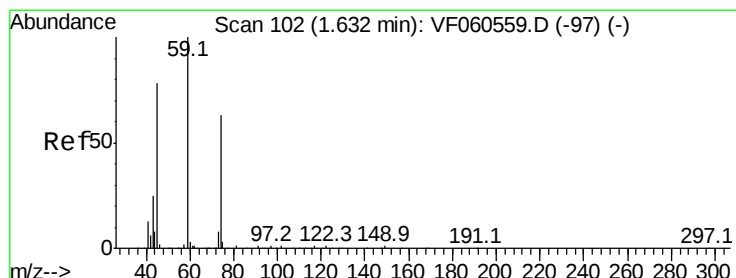
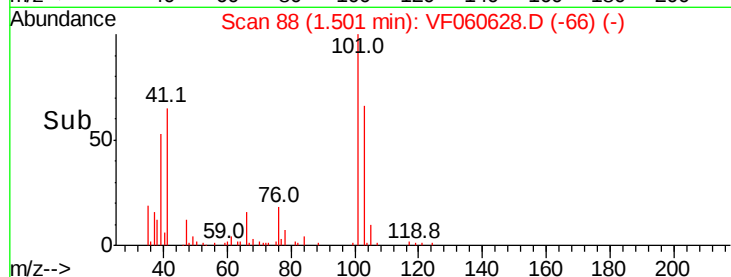
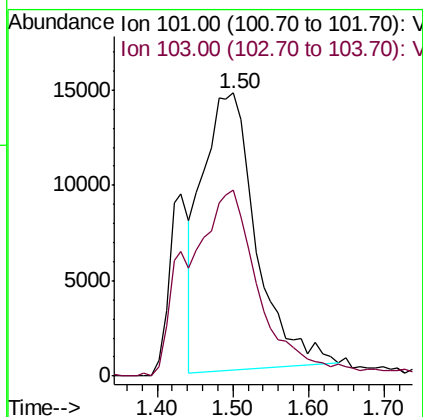
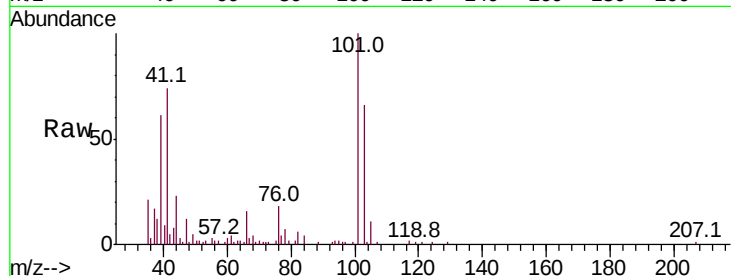


#7

Trichlorofluoromethane
 Concen: 17.492 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. 0.02 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :

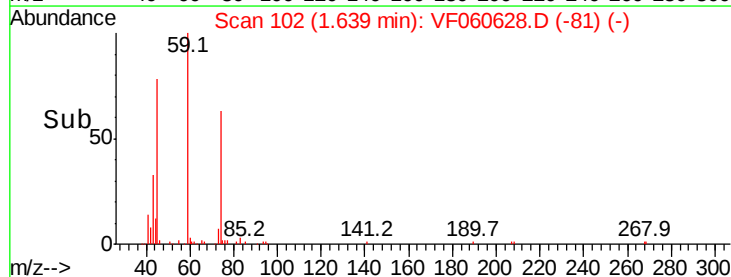
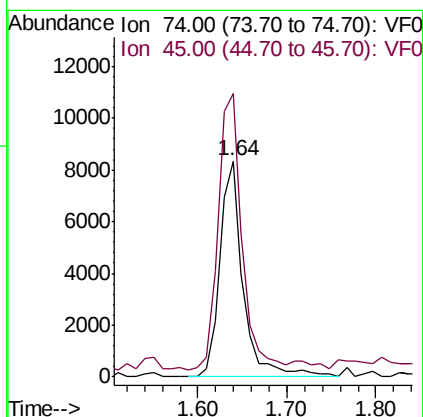
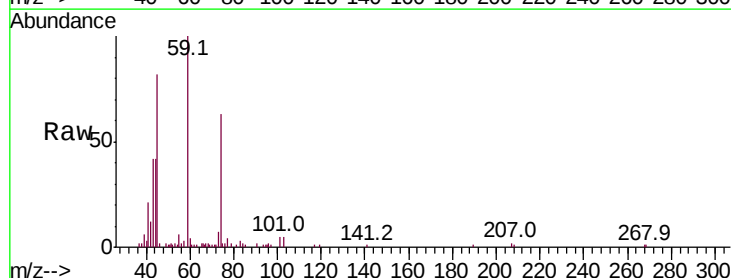
Tot Ion:101 Resp: 71647
 Ion Ratio Lower Upper
 101 100
 103 65.9 48.0 72.0

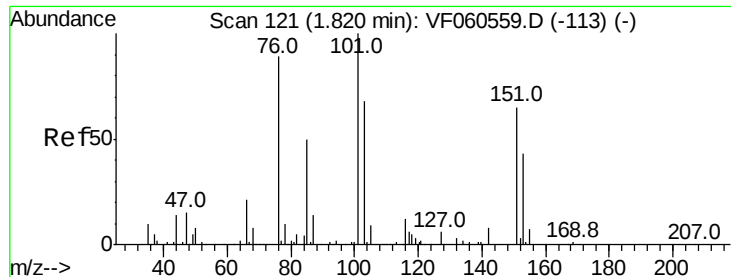


#8

Diethyl Ether
 Concen: 20.091 ug/l
 RT: 1.64 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion: 74 Resp: 15252
 Ion Ratio Lower Upper
 74 100
 45 131.3 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.209 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

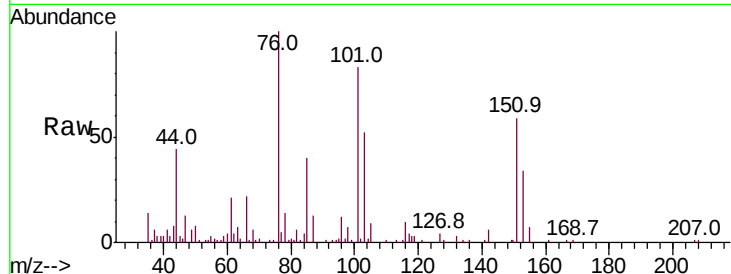
Tot Ion:101 Resp: 54322

Ion Ratio Lower Upper

101 100

85 48.7 39.8 59.6

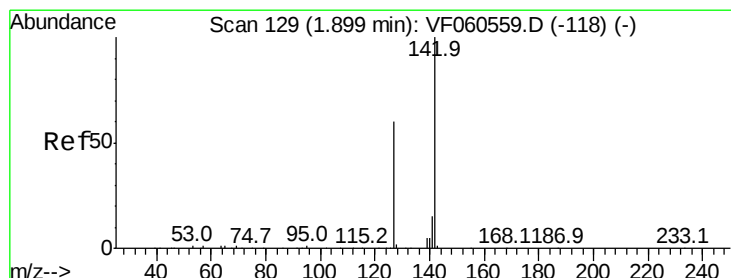
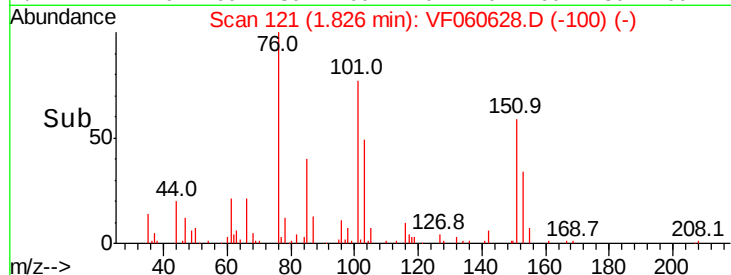
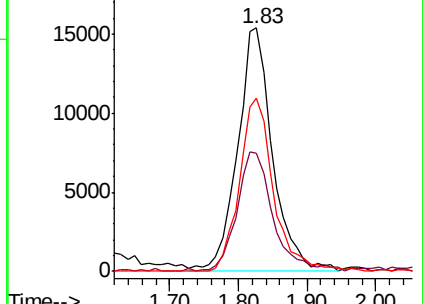
151 71.0 50.8 76.2



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: 21.946 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

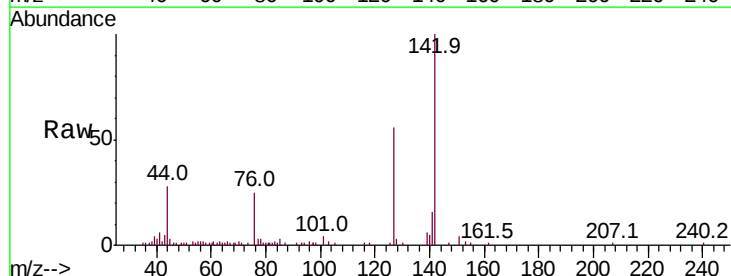
Tgt Ion:142 Resp: 84528

Ion Ratio Lower Upper

142 100

127 56.4 47.8 71.6

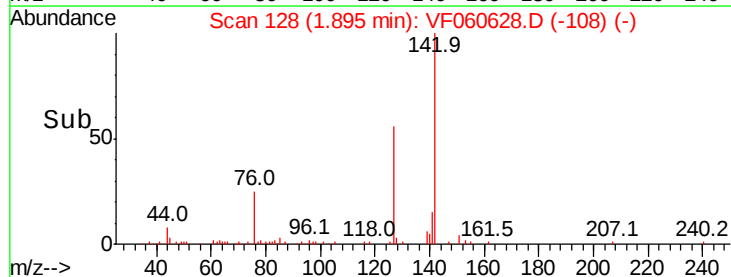
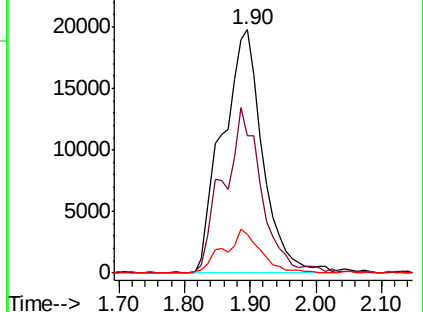
141 16.0 12.7 19.1

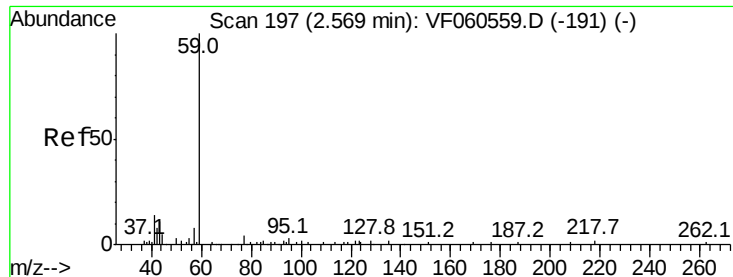


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



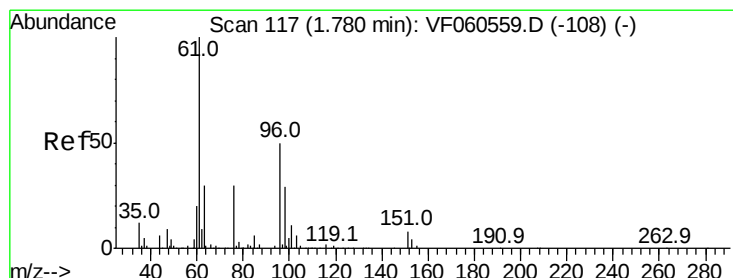
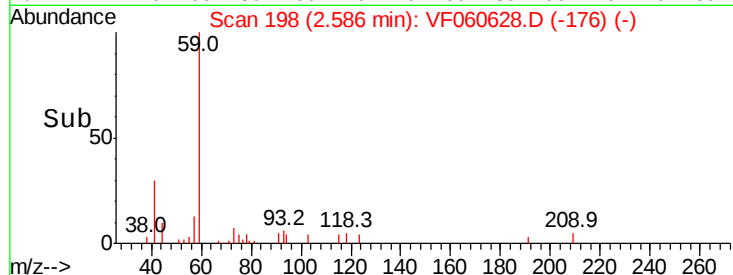
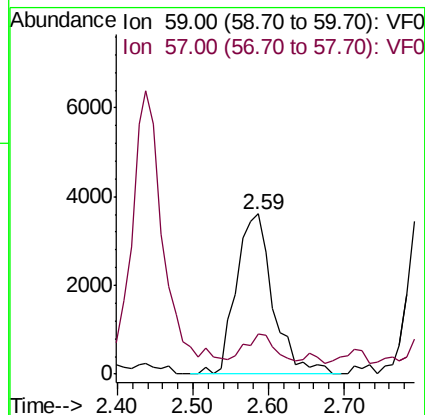
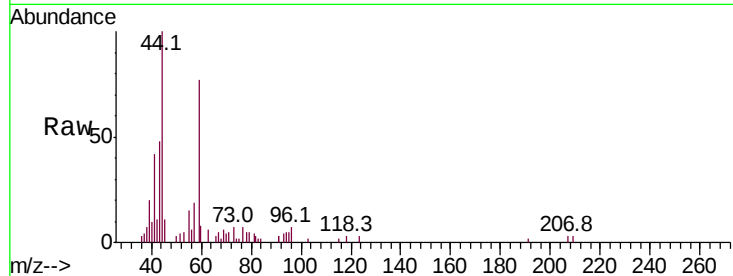


#11

Tert butyl alcohol
 Concen: 79.616 ug/l
 RT: 2.59 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampled :

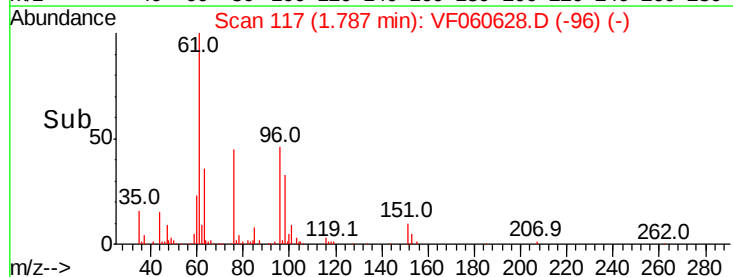
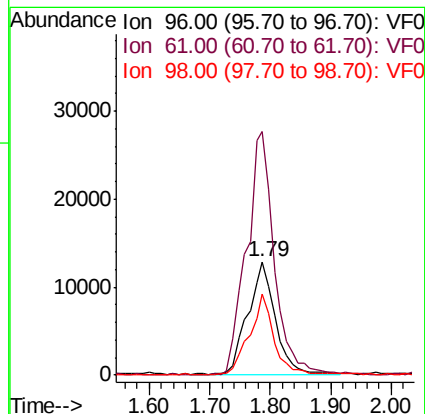
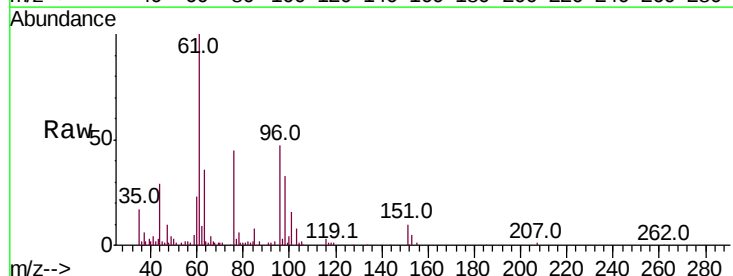
Tot Ion: 59 Resp: 12095
 Ion Ratio Lower Upper
 59 100
 57 25.3 19.0 28.4

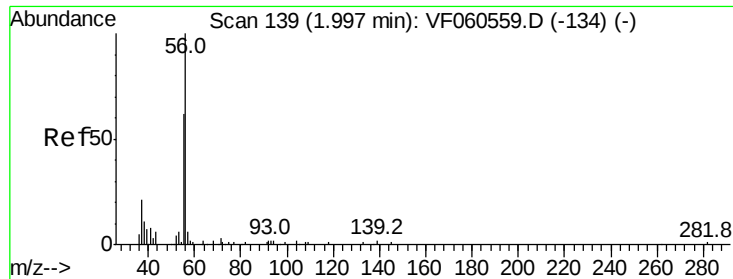


#12

1,1-Dichloroethene
 Concen: 21.141 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion: 96 Resp: 41677
 Ion Ratio Lower Upper
 96 100
 61 215.0 158.1 237.1
 98 71.3 47.0 70.6#





#13

Acrolein

Concen: 103.135 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

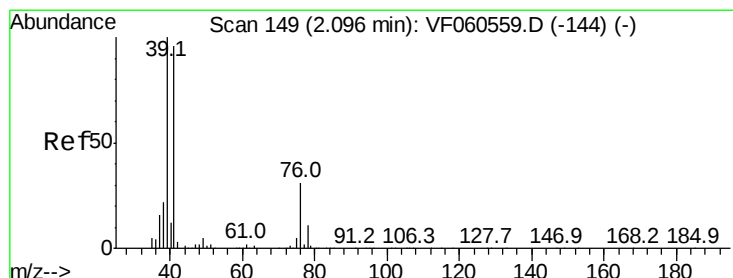
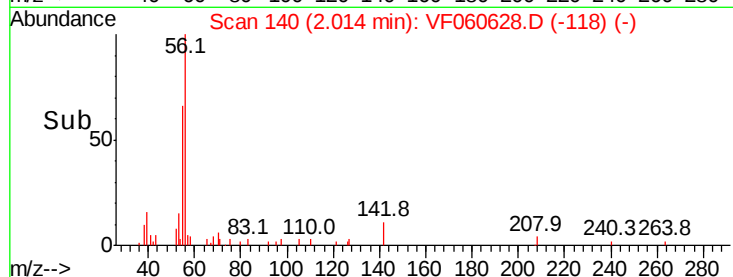
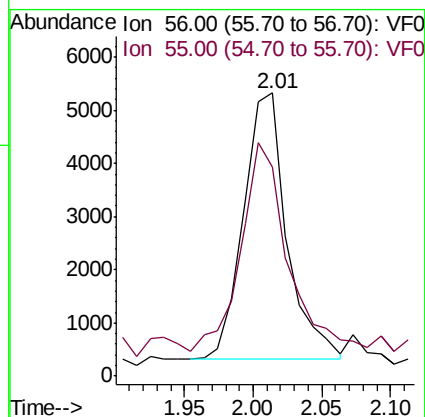
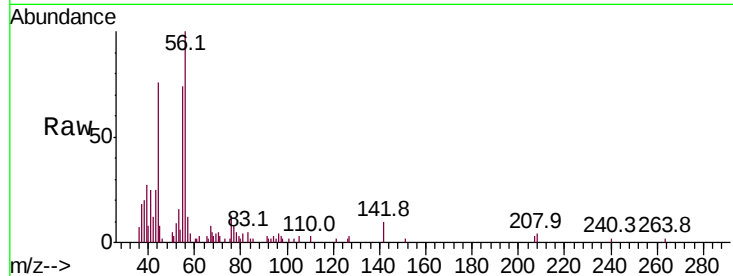
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 11055

Ion Ratio Lower Upper

56 100

55 73.9 61.8 92.6



#14

Allyl chloride

Concen: 22.823 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

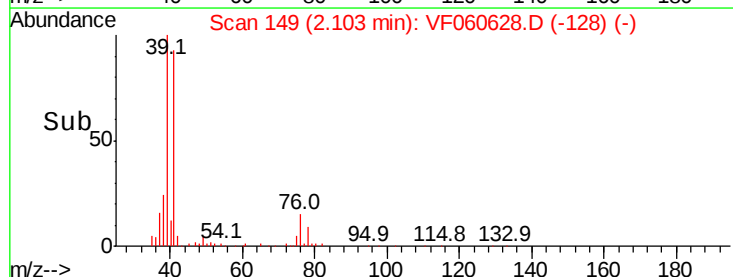
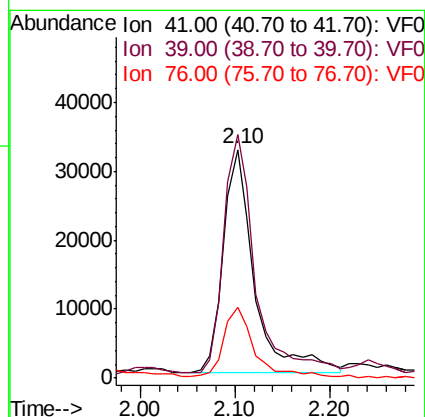
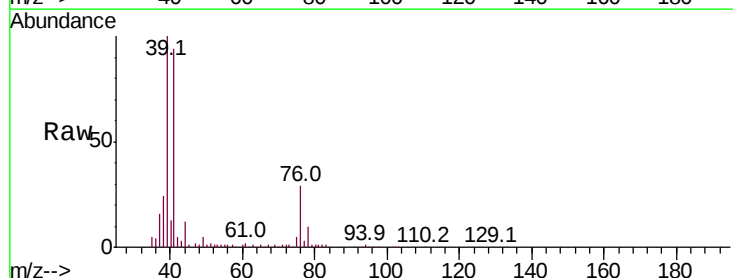
Tgt Ion: 41 Resp: 73465

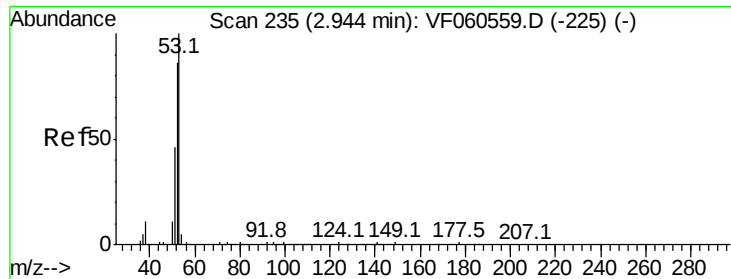
Ion Ratio Lower Upper

41 100

39 106.5 82.6 124.0

76 30.9 26.7 40.1





#15

Acrylonitrile

Concen: 94.263 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

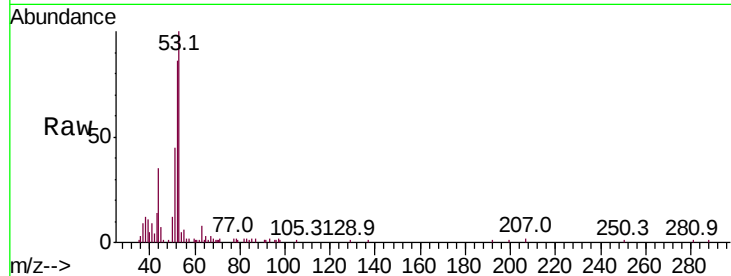
Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 30801

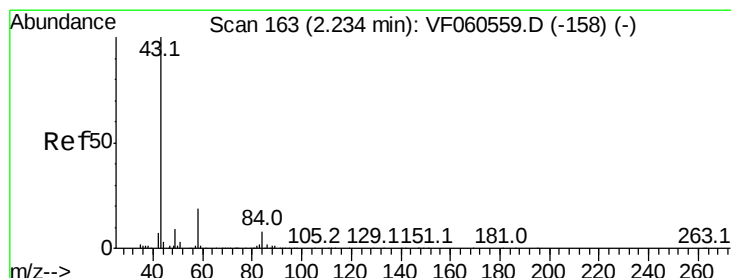
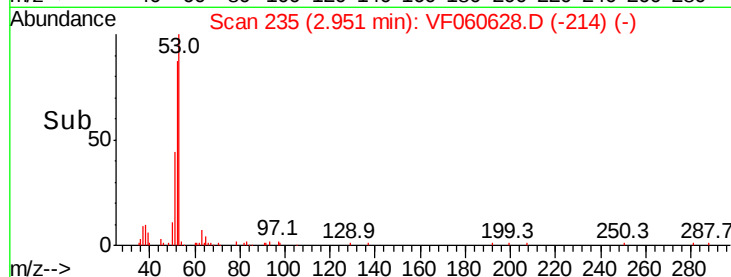
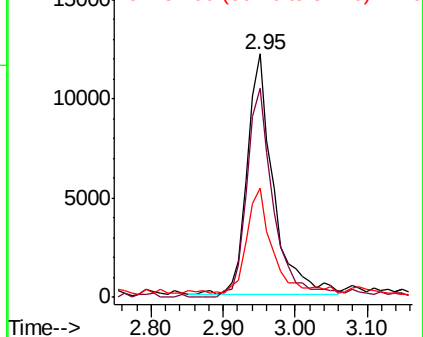
Ion	Ratio	Lower	Upper
53	100		
52	86.0	68.5	102.7
51	44.9	38.2	57.2



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: 104.261 ug/l

RT: 2.24 min Scan# 163

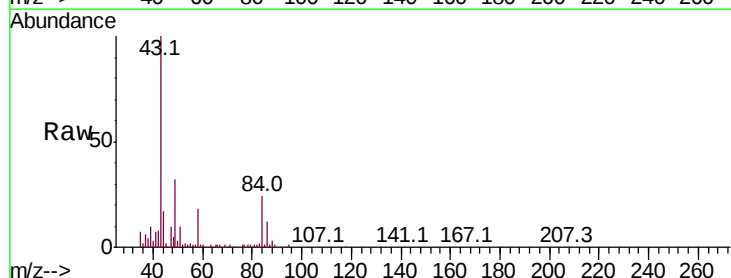
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

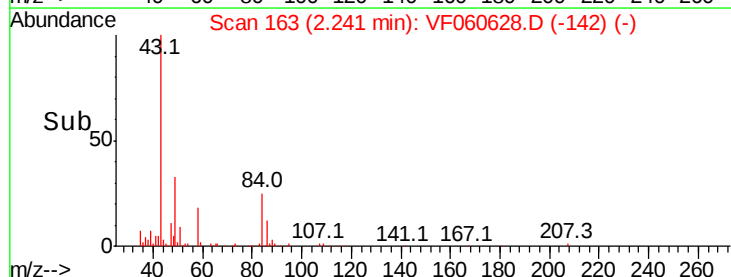
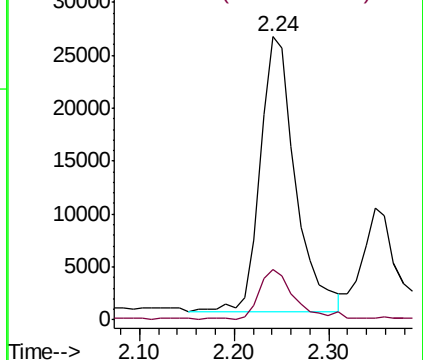
Tgt Ion: 43 Resp: 67359

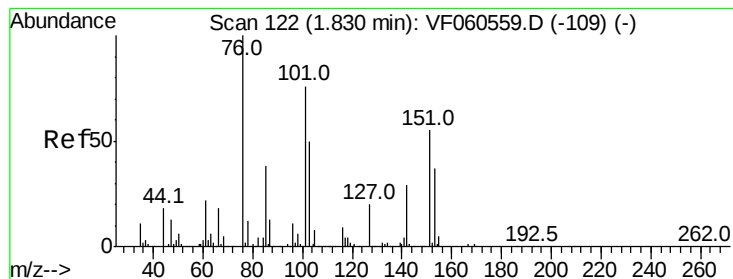
Ion	Ratio	Lower	Upper
43	100		
58	17.9	14.6	22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 22.653 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

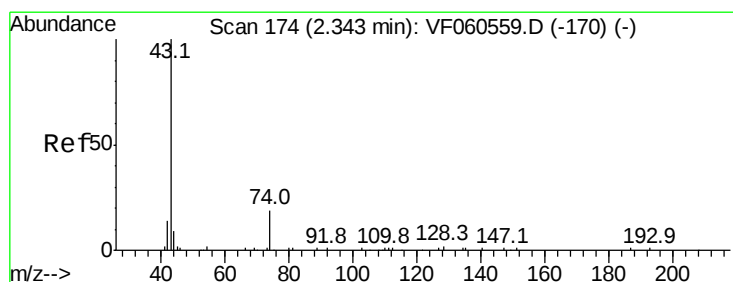
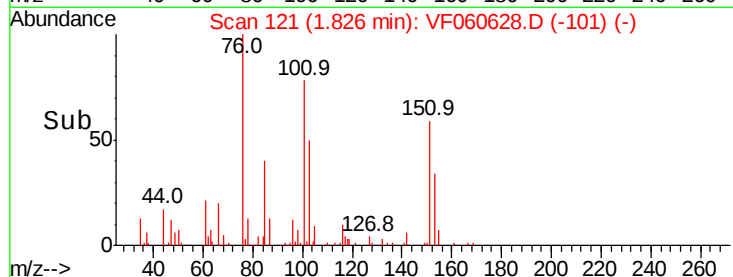
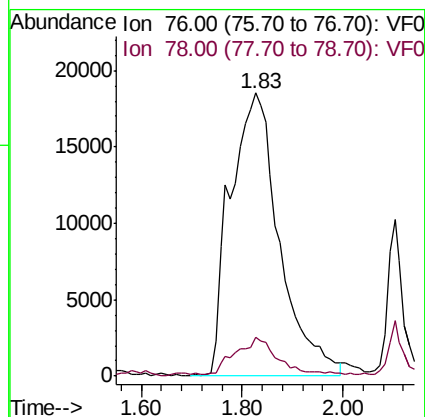
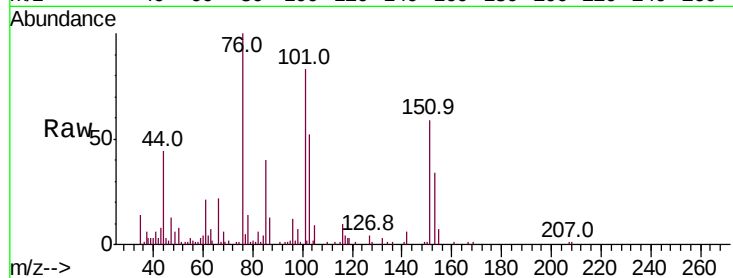
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 125791

Ion Ratio Lower Upper

76 100

78 13.5 9.9 14.9



#18

Methyl Acetate

Concen: 21.650 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF060628.D

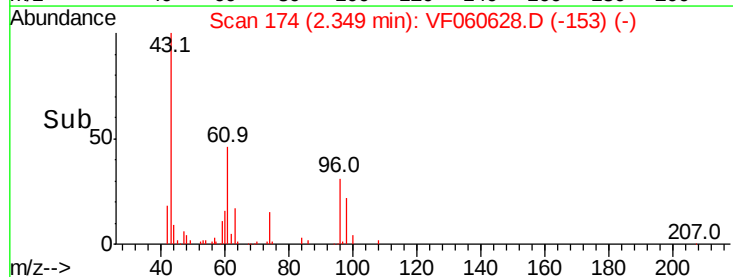
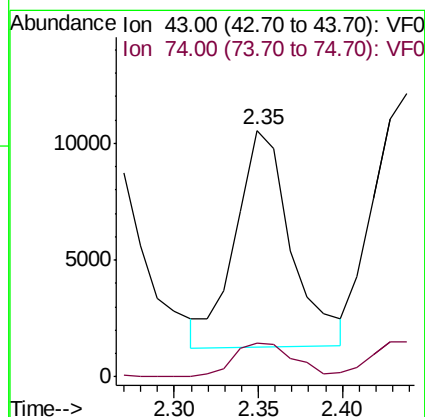
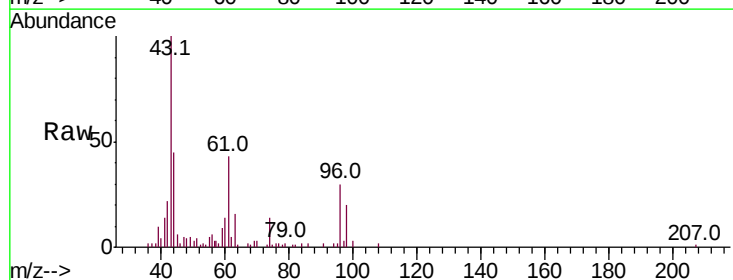
Acq: 7 Nov 2018 14:21

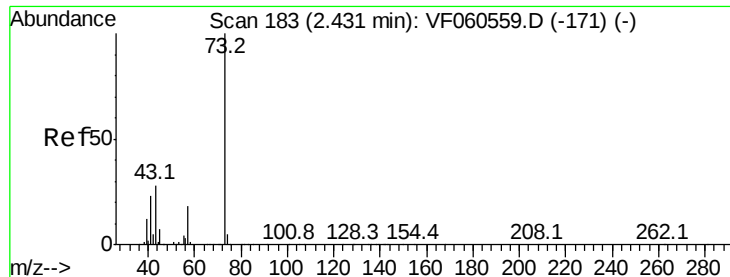
Tgt Ion: 43 Resp: 21451

Ion Ratio Lower Upper

43 100

74 13.7 12.1 18.1



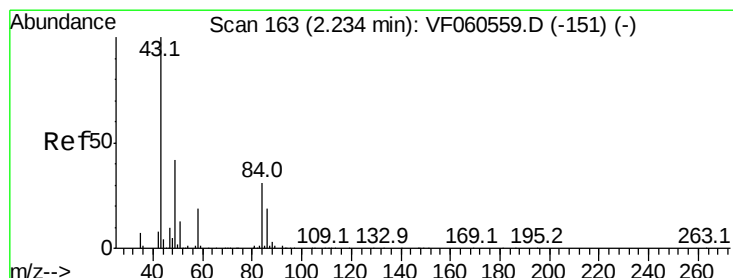
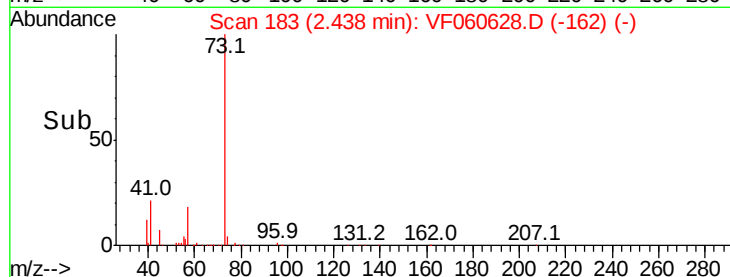
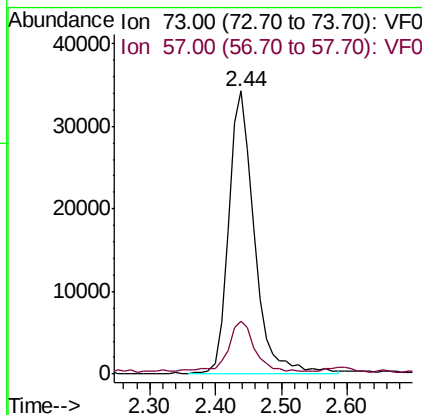
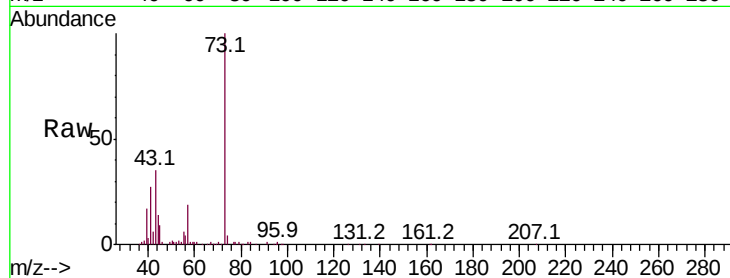


#19

Methyl tert-butyl Ether
Concen: 20.485 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

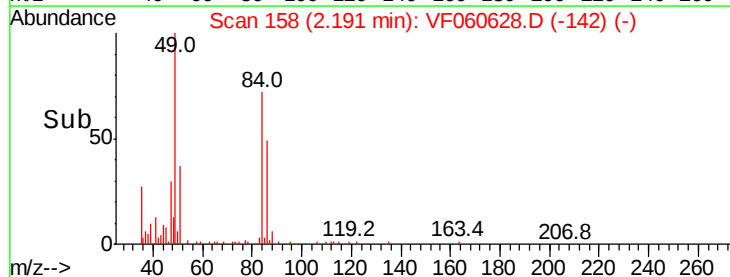
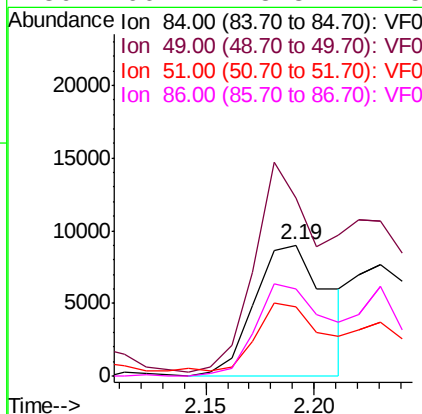
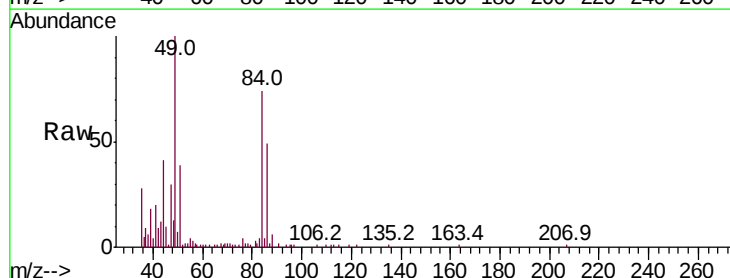
Tot Ion: 73 Resp: 94399
Ion Ratio Lower Upper
73 100
57 18.6 15.4 23.0

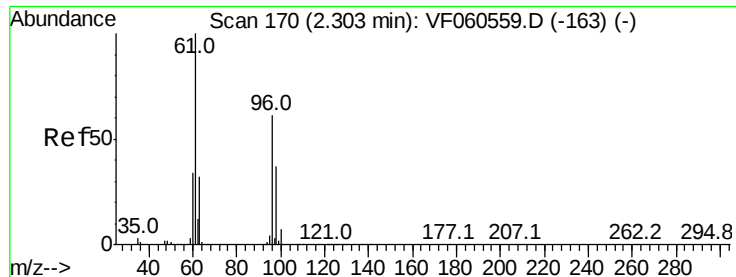


#20

Methylene Chloride
Concen: 6.339 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 84 Resp: 21283
Ion Ratio Lower Upper
84 100
49 135.5 109.9 164.9
51 53.1 35.8 53.8
86 66.7 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 22.039 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

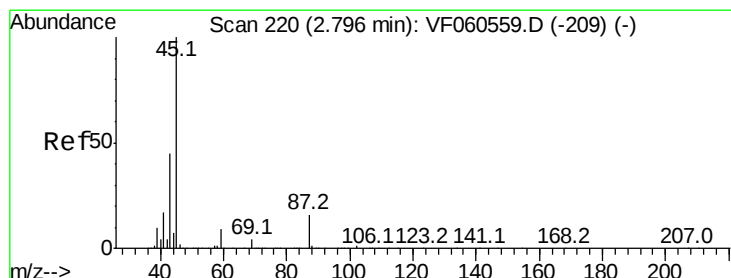
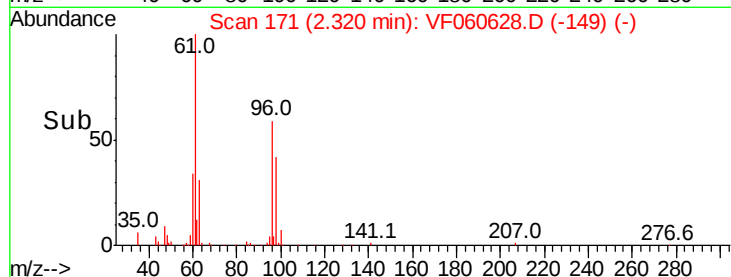
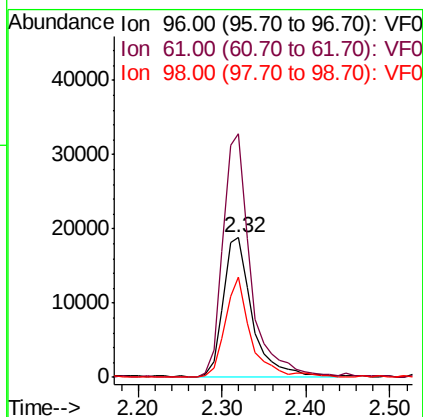
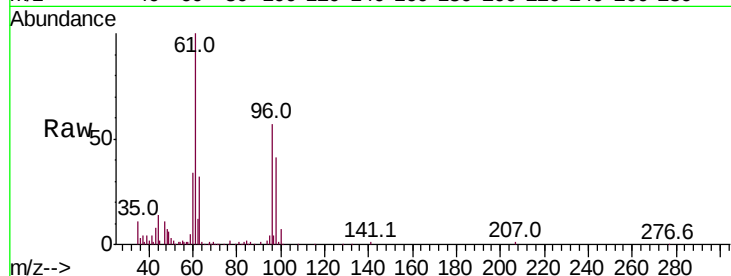
Tot Ion: 96 Resp: 45580

Ion Ratio Lower Upper

96 100

61 174.2 131.3 196.9

98 72.1 48.6 73.0



#22

Diisopropyl ether

Concen: 20.234 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion: 45 Resp: 137997

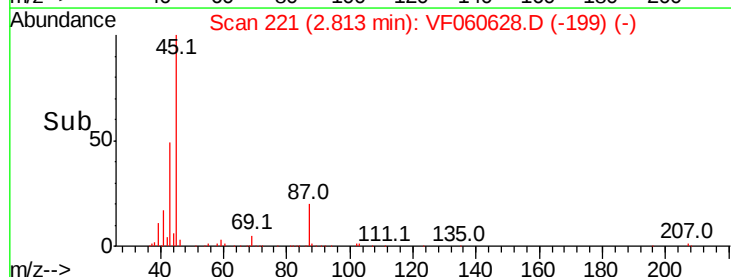
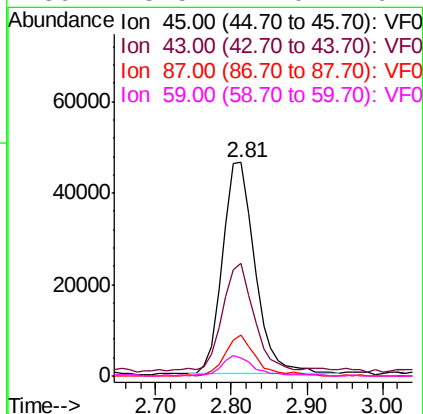
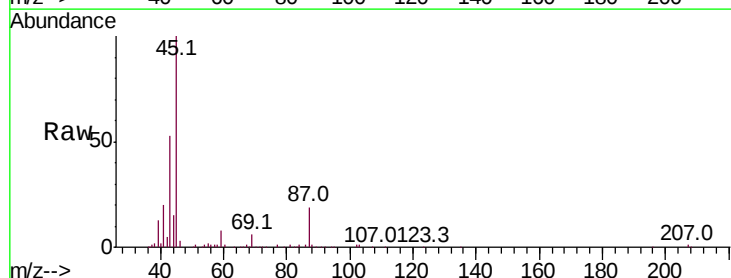
Ion Ratio Lower Upper

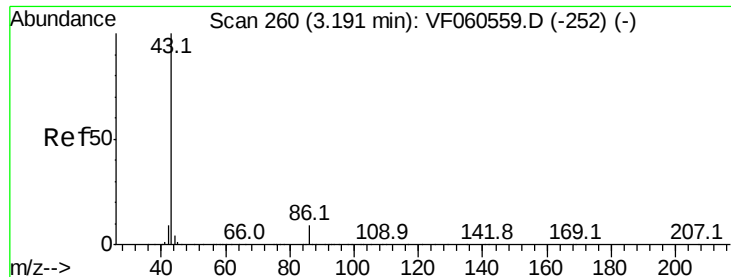
45 100

43 53.0 38.1 57.1

87 19.4 12.7 19.1#

59 8.5 7.0 10.4





#23

Vinyl Acetate

Concen: 94.773 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

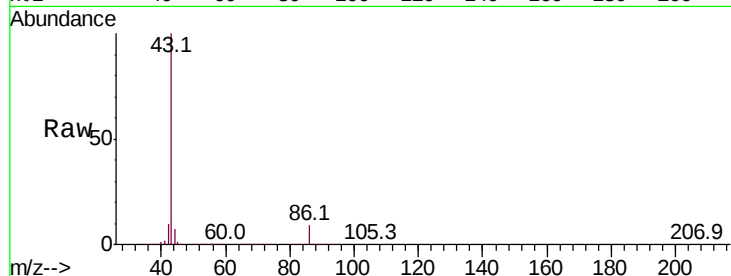
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 388344

Ion Ratio Lower Upper

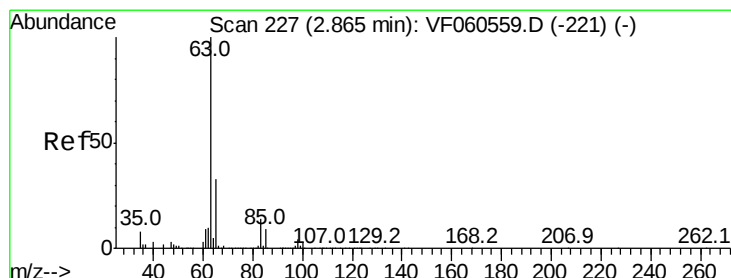
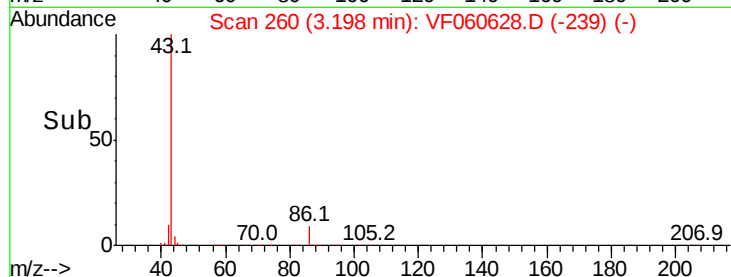
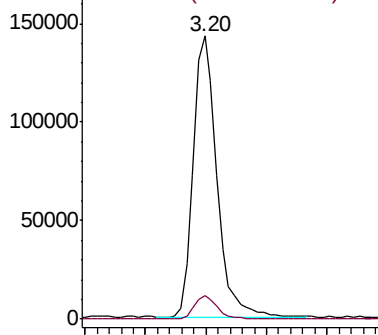
43 100

86 8.5 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.841 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

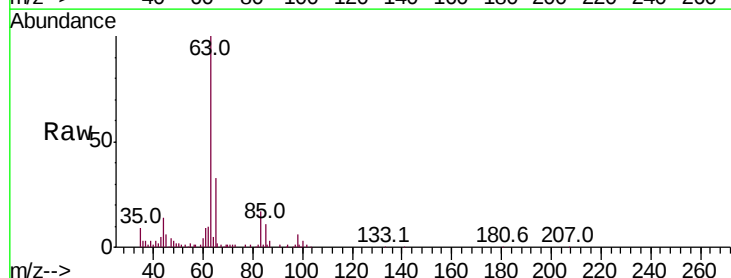
Tgt Ion: 63 Resp: 86207

Ion Ratio Lower Upper

63 100

98 5.5 2.2 6.6

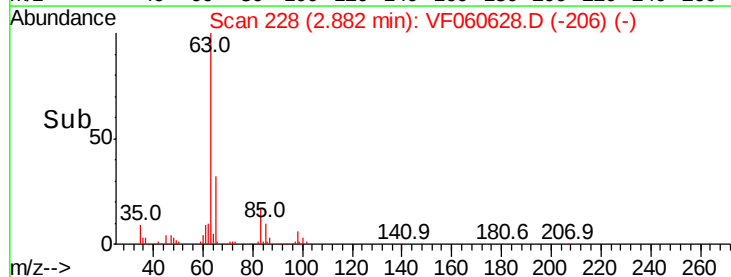
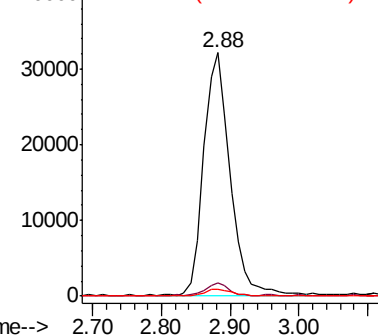
100 2.8 1.4 4.0

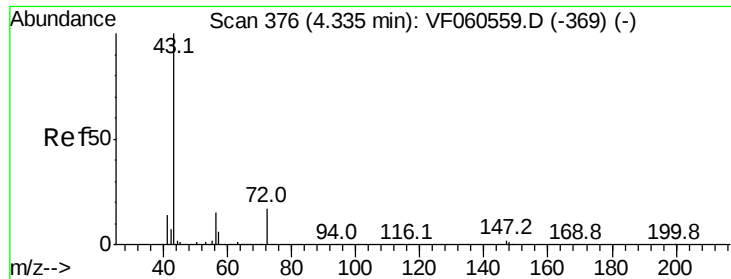


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 85.368 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

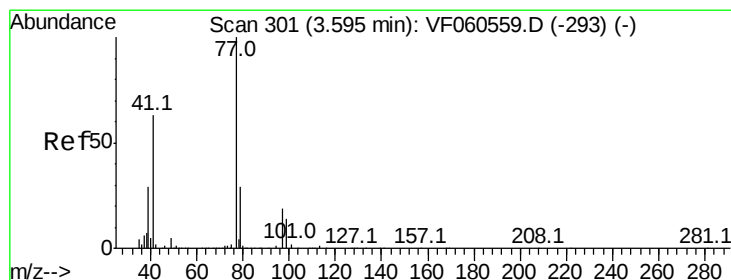
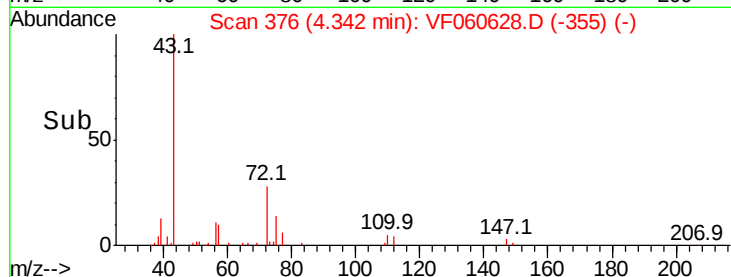
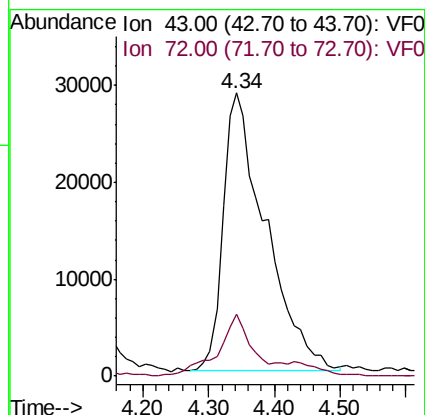
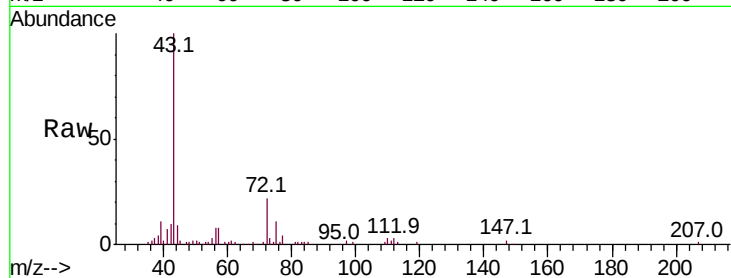
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 129387

Ion Ratio Lower Upper

43 100

72 21.7 16.2 24.2



#26

2,2-Dichloropropane

Concen: 23.706 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF060628.D

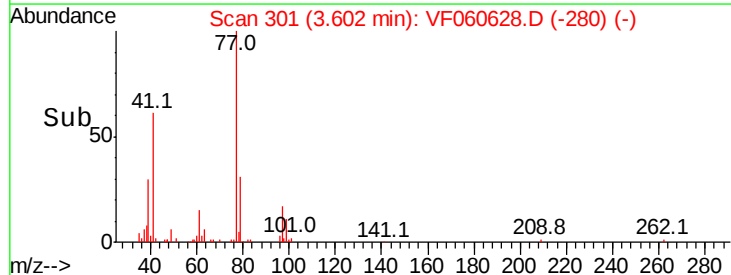
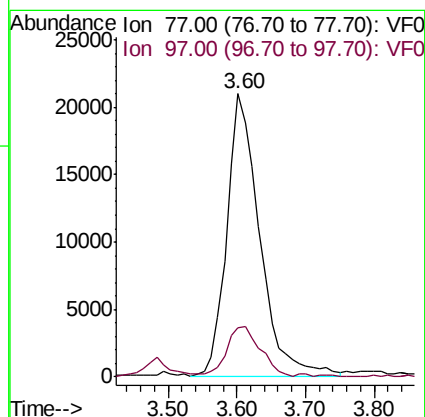
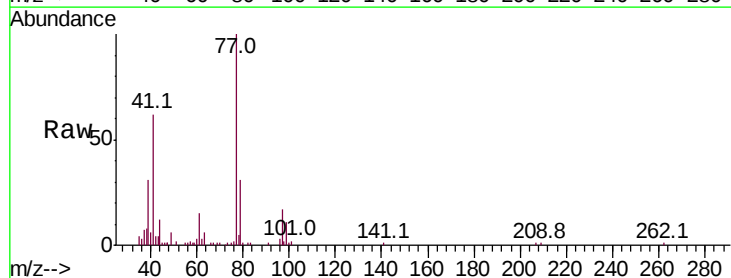
Acq: 7 Nov 2018 14:21

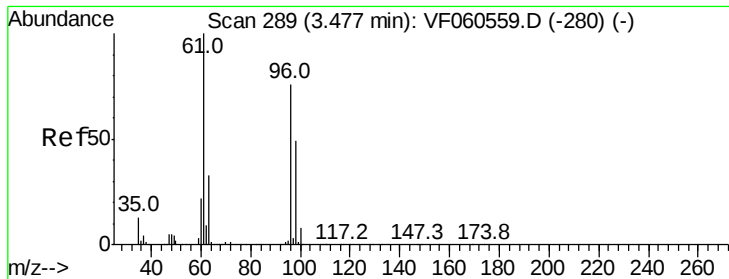
Tgt Ion: 77 Resp: 70012

Ion Ratio Lower Upper

77 100

97 17.2 9.8 29.3



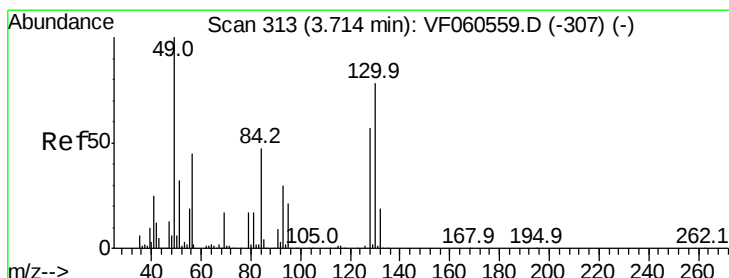
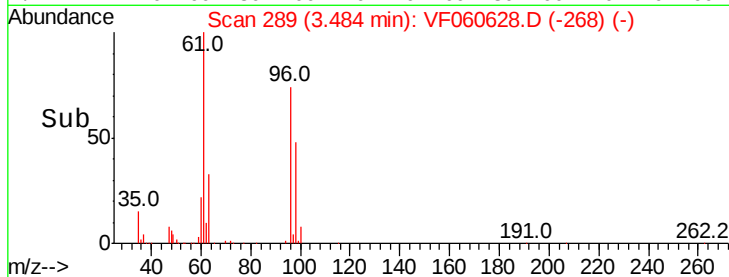
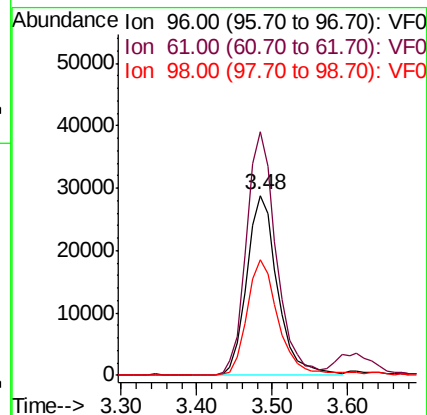
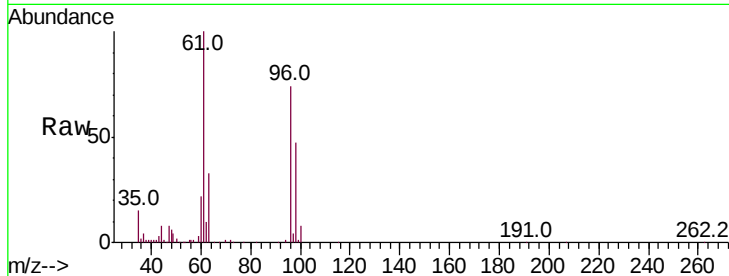


#27

cis-1,2-Dichloroethene
Concen: 20.659 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampled :

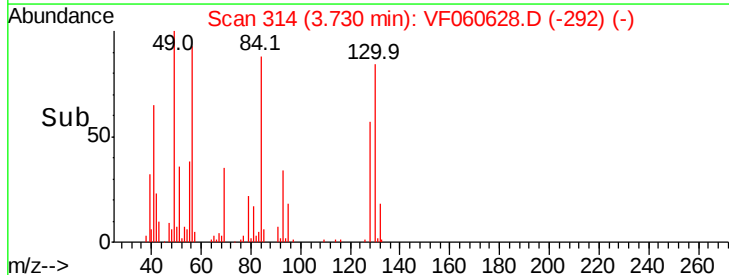
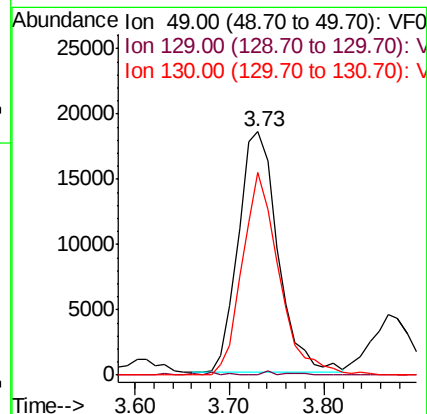
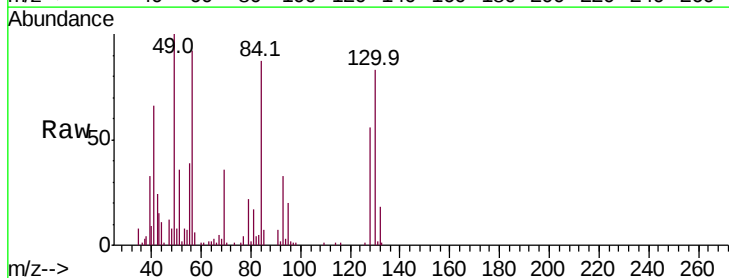
Tot Ion: 96 Resp: 81566
Ion Ratio Lower Upper
96 100
61 135.3 0.0 263.0
98 64.2 0.0 130.6

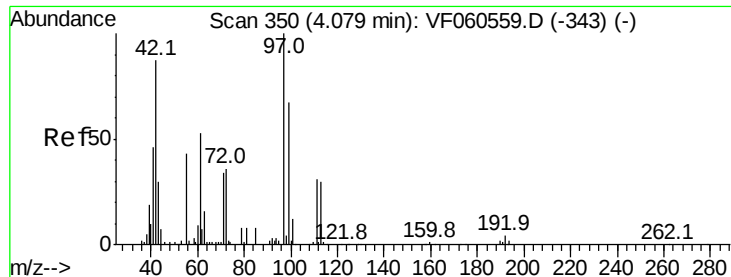


#28

Bromochloromethane
Concen: 21.592 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 49 Resp: 53481
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 83.2 61.8 92.8

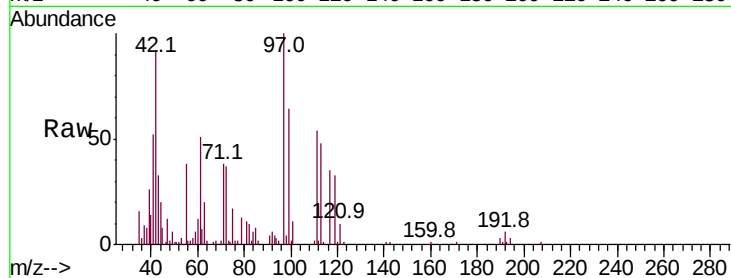




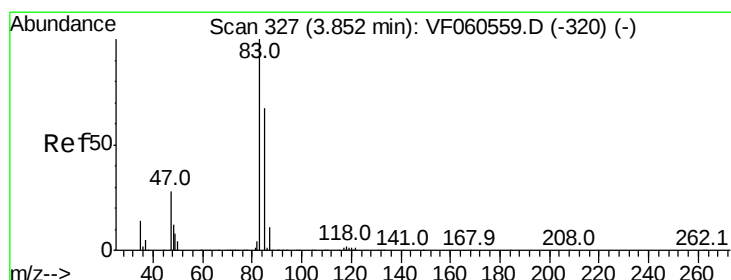
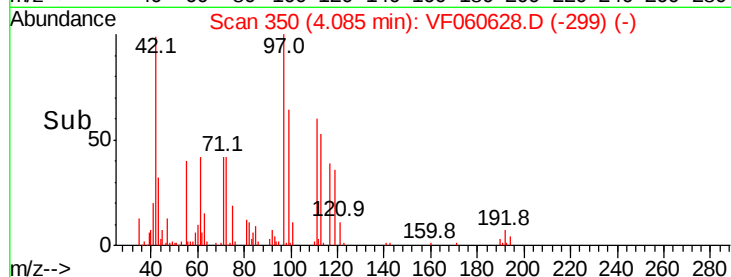
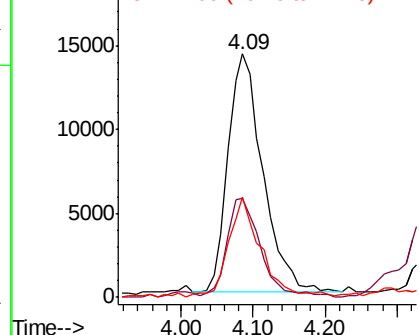
#29
Tetrahydrofuran
Concen: 93.305 ug/l
RT: 4.09 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.0
71	37.9	31.8	47.6

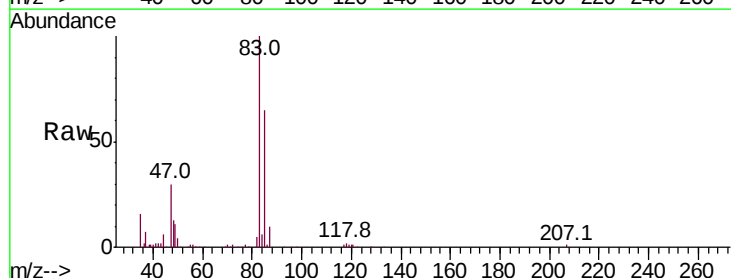


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

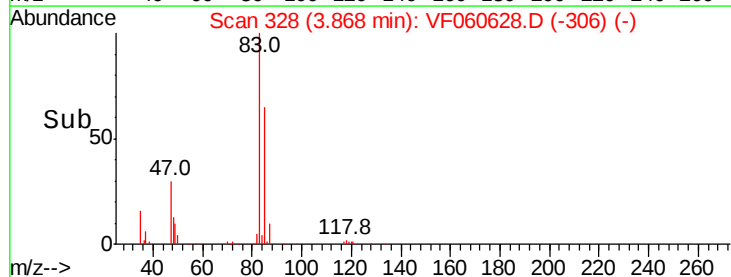
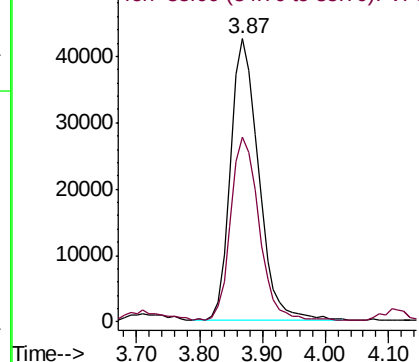


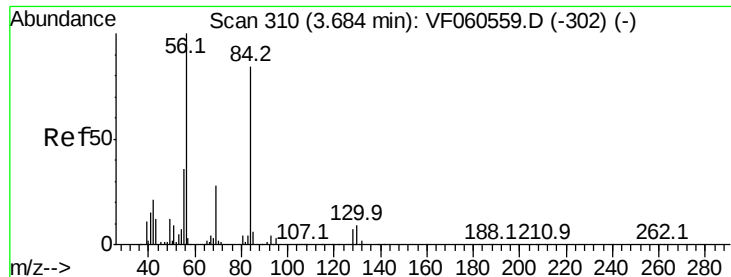
#30
Chloroform
Concen: 20.998 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.7	80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.031 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.03 min

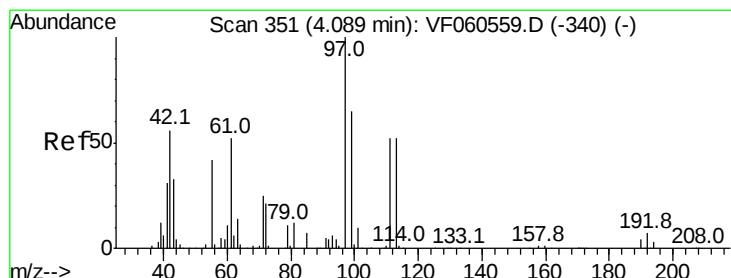
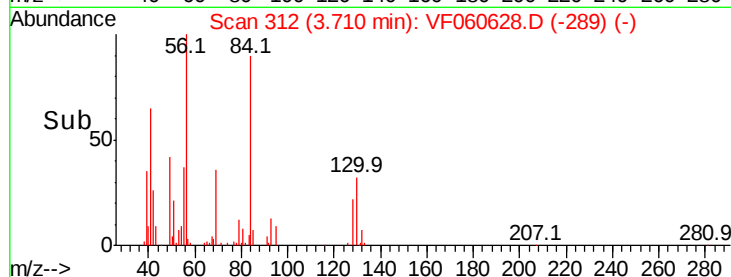
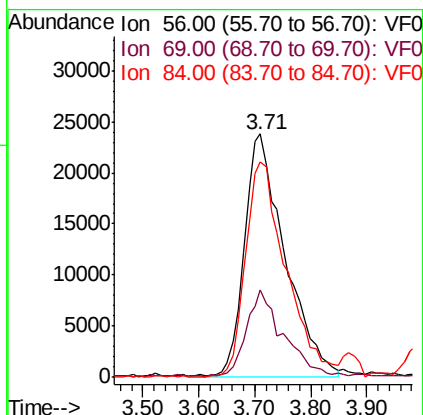
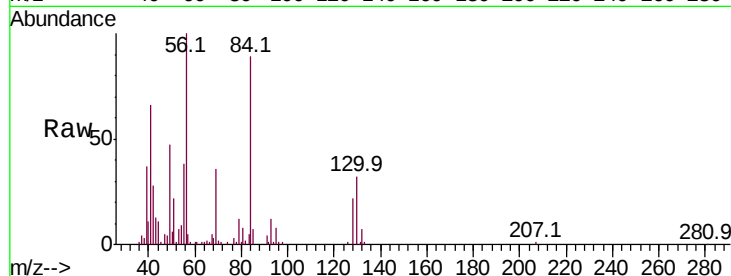
Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 119995

Ion	Ratio	Lower	Upper
56	100		
69	36.0	23.0	34.4#
84	88.7	67.1	100.7



#32

1,1,1-Trichloroethane

Concen: 25.370 ug/l

RT: 4.11 min Scan# 352

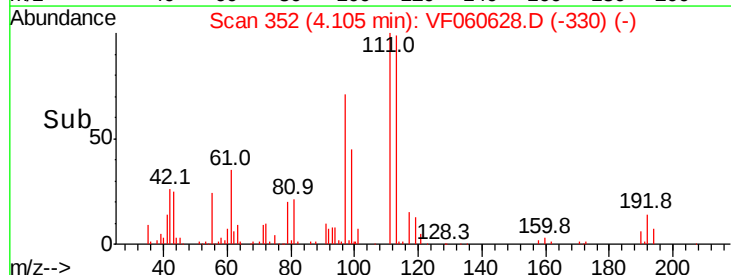
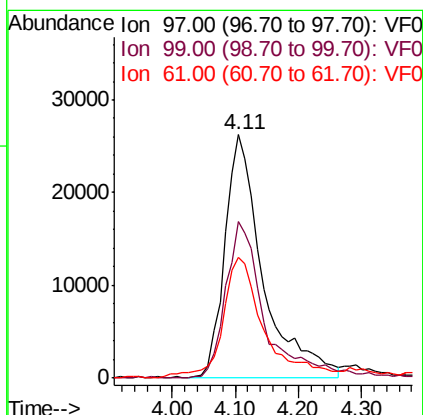
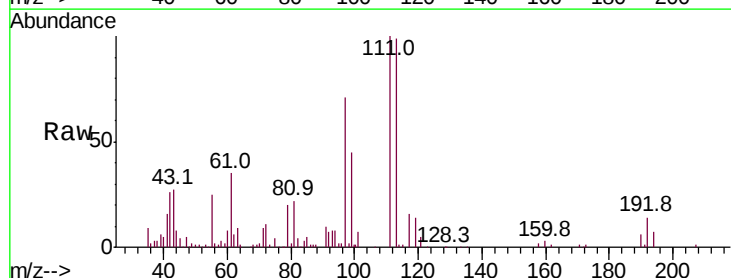
Delta R.T. 0.02 min

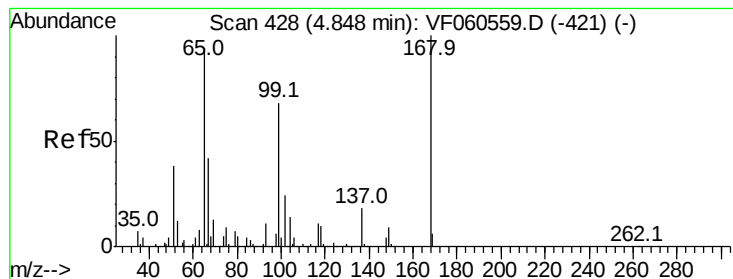
Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion: 97 Resp: 110644

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	49.8	41.5	62.3





#33

1,2-Dichloroethane-d4

Concen: 53.724 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

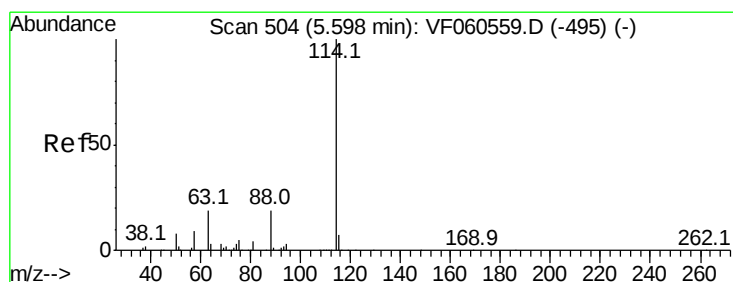
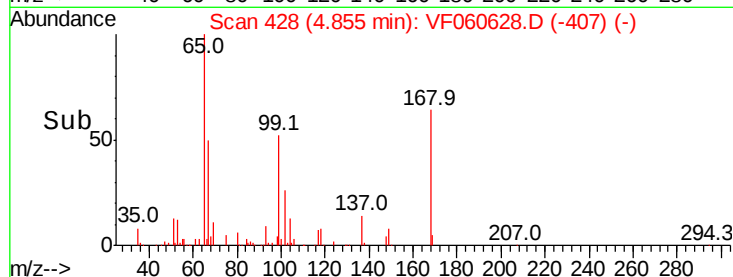
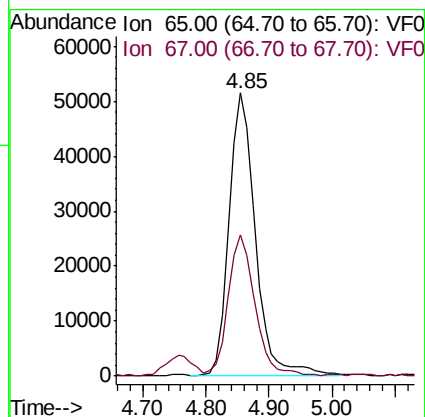
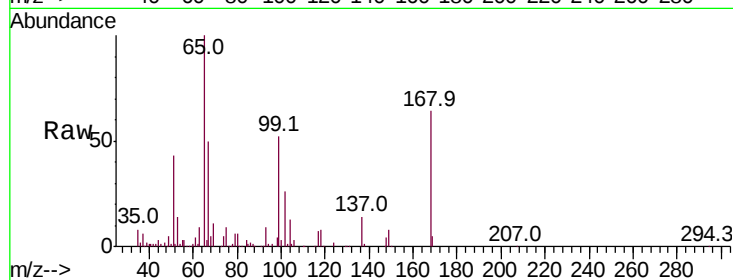
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 147296

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

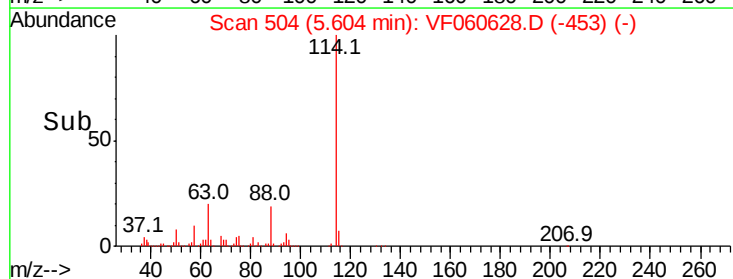
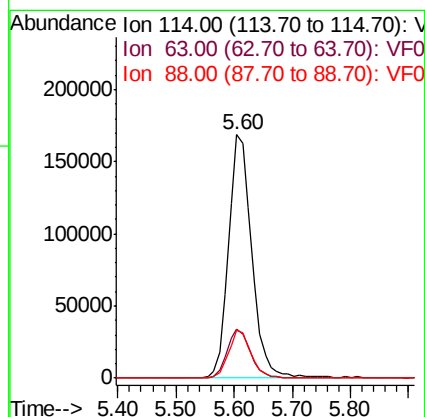
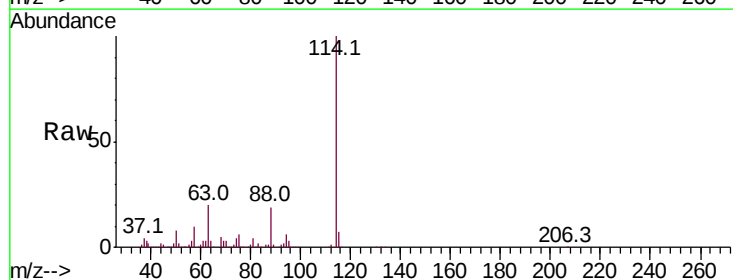
Tgt Ion: 114 Resp: 468371

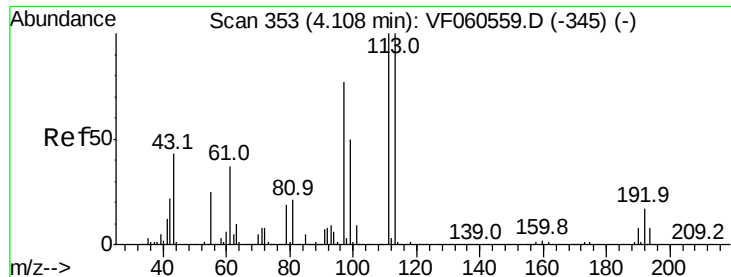
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 19.4 0.0 38.2





#35

Dibromofluoromethane

Concen: 52.132 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

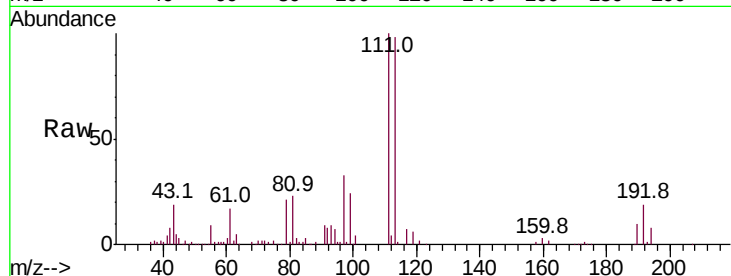
Tot Ion:113 Resp: 188647

Ion Ratio Lower Upper

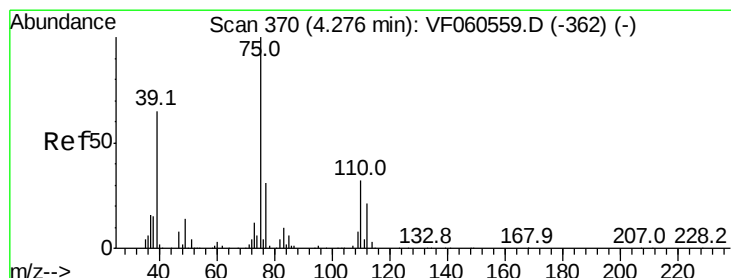
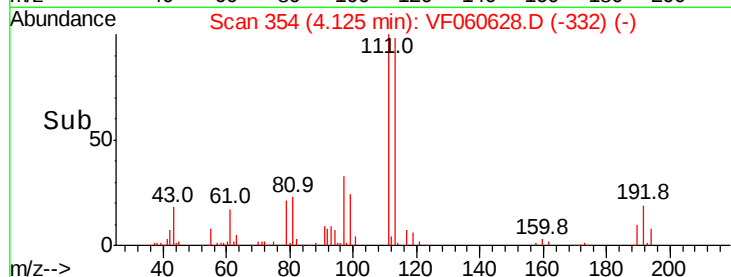
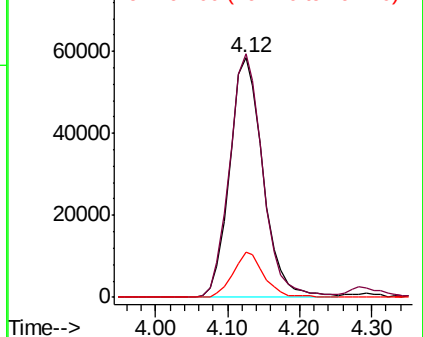
113 100

111 101.8 79.9 119.9

192 18.9 13.3 19.9



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.409 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

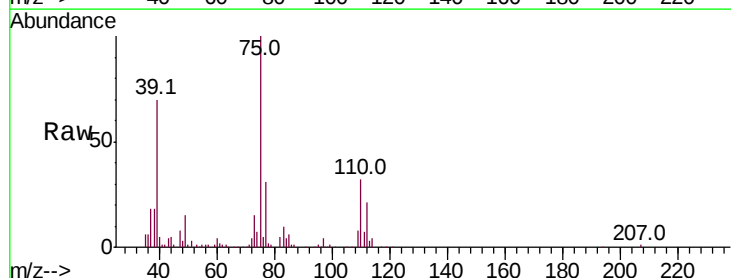
Tgt Ion: 75 Resp: 110408

Ion Ratio Lower Upper

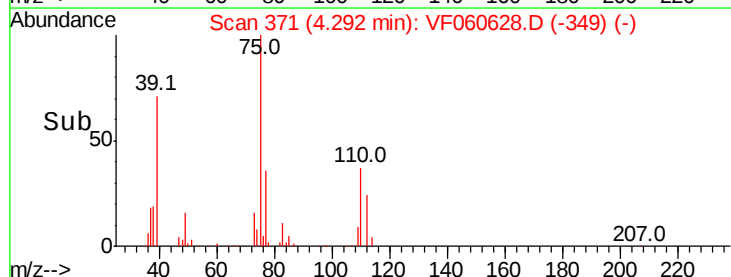
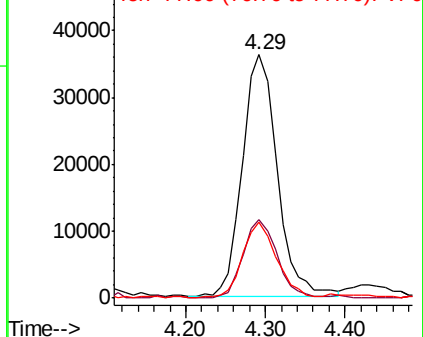
75 100

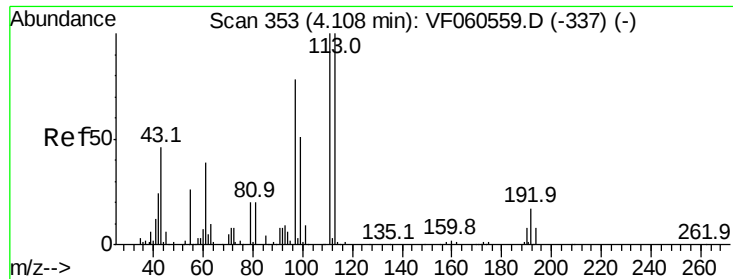
110 32.5 16.2 48.6

77 31.4 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

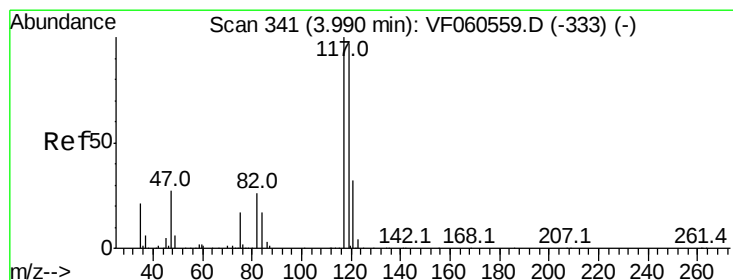
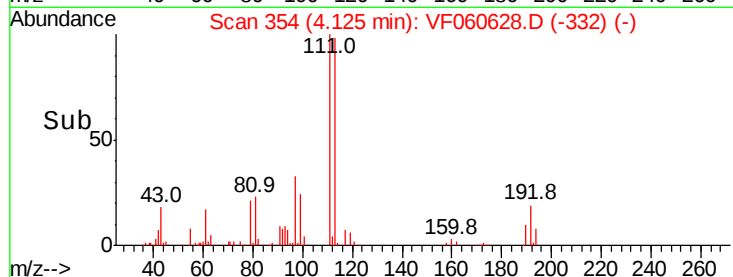
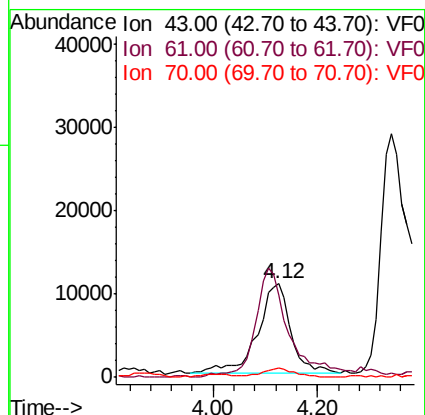
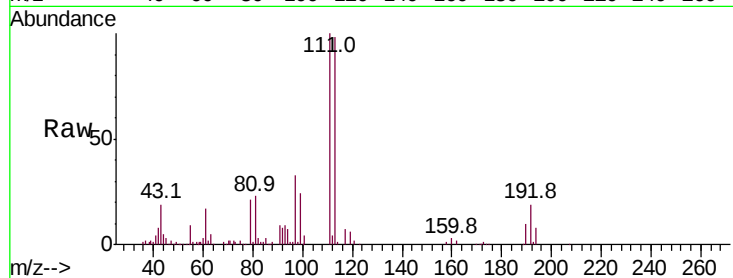




#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

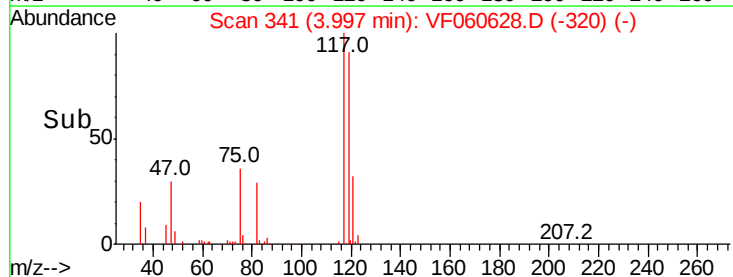
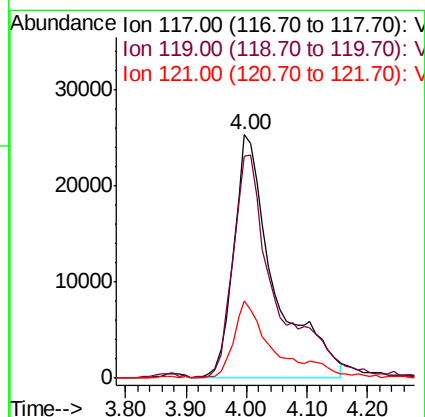
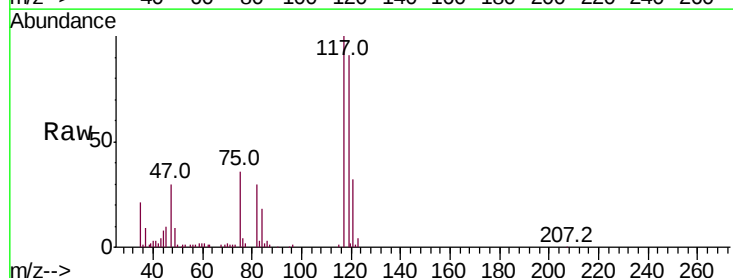
Instrument :
MSVOA_F
ClientSampled :

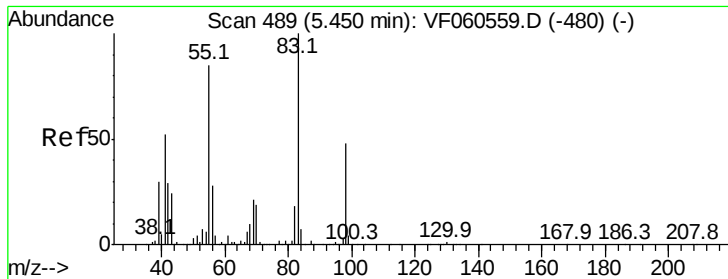
Tot Ion: 43 Resp: 47303
Ion Ratio Lower Upper
43 100
61 87.3 63.4 95.2
70 9.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 26.384 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 117 Resp: 116266
Ion Ratio Lower Upper
117 100
119 90.9 77.8 116.6
121 31.9 25.6 38.4

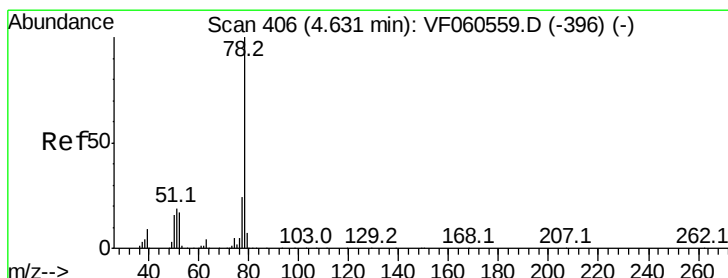
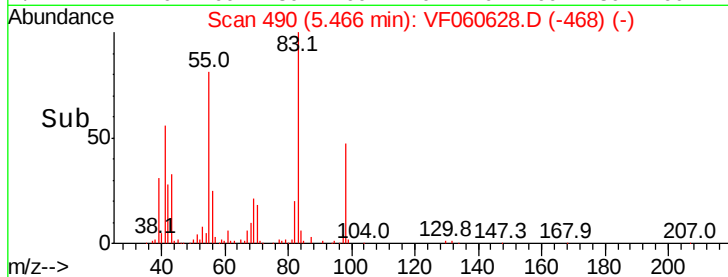
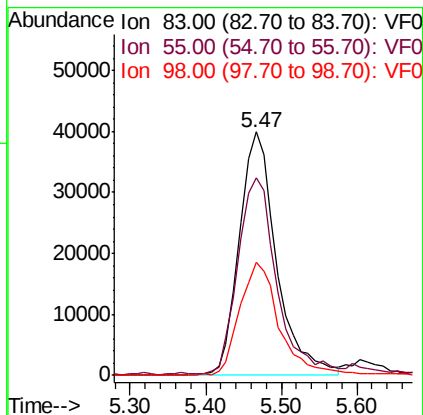
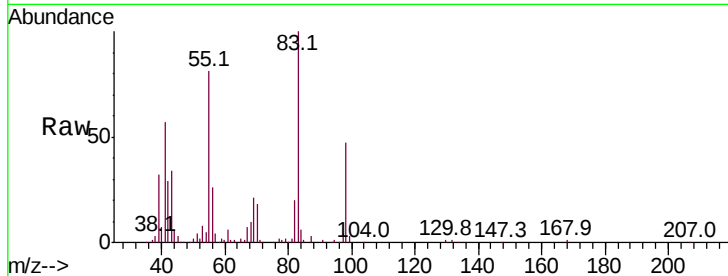




#39
Methvlcvclohexane
Concen: 21.720 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

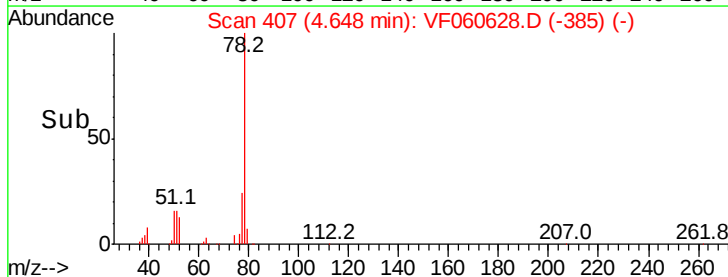
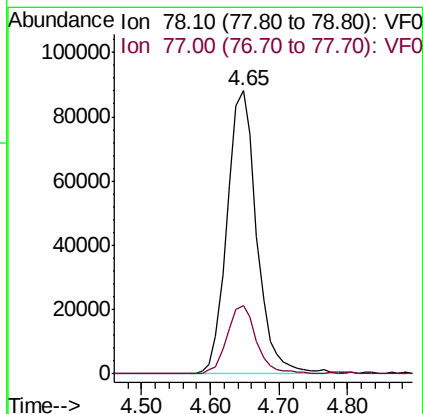
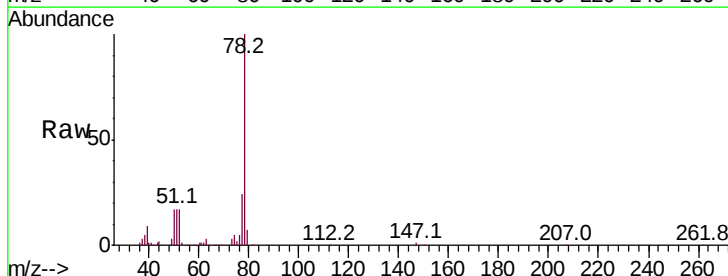
Instrument :
MSVOA_F
ClientSampleId :

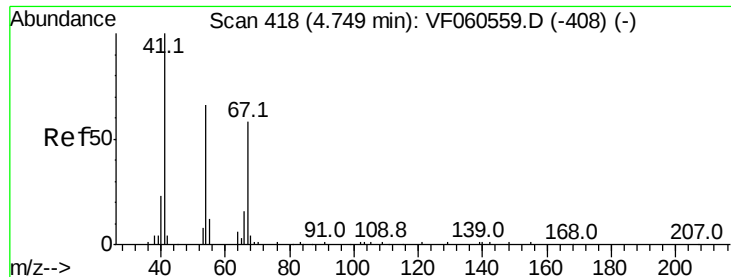
Tot Ion: 83 Resp: 136691
Ion Ratio Lower Upper
83 100
55 81.4 69.1 103.7
98 46.6 38.6 57.8



#40
Benzene
Concen: 21.131 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 78 Resp: 264523
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9





#41

Methacrylonitrile

Concen: 16.099 ug/l

RT: 4.76 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 22570

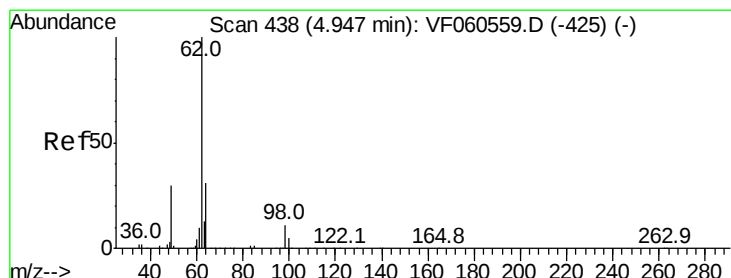
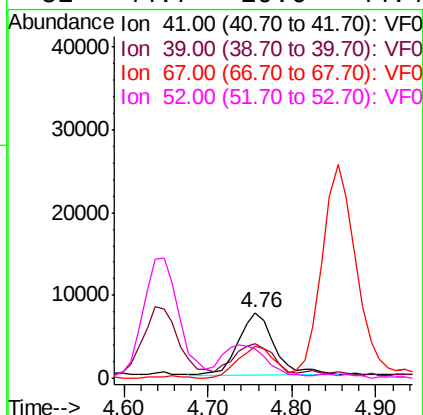
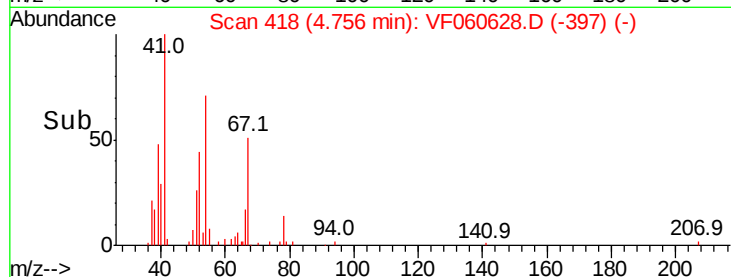
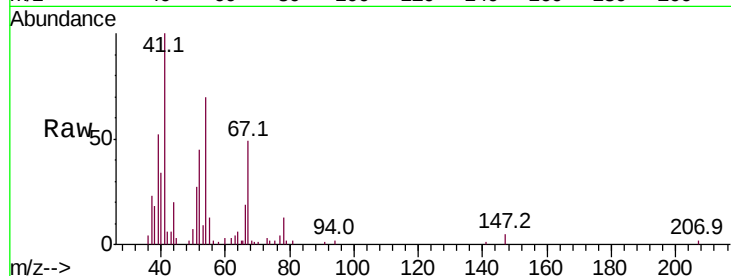
Ion	Ratio	Lower	Upper
41	100		
39	52.2	45.6	68.4
67	49.0	45.3	67.9
52	44.7	29.6	44.4

41 100

39 52.2 45.6 68.4

67 49.0 45.3 67.9

52 44.7 29.6 44.4



#42

1,2-Dichloroethane

Concen: 19.583 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.01 min

Lab File: VF060628.D

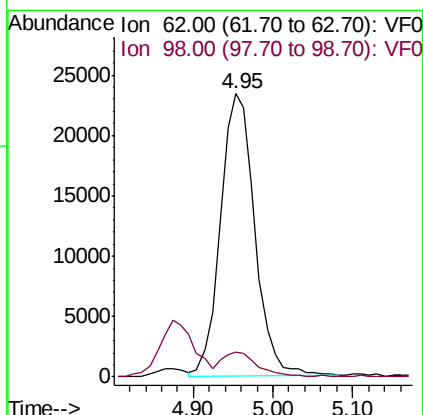
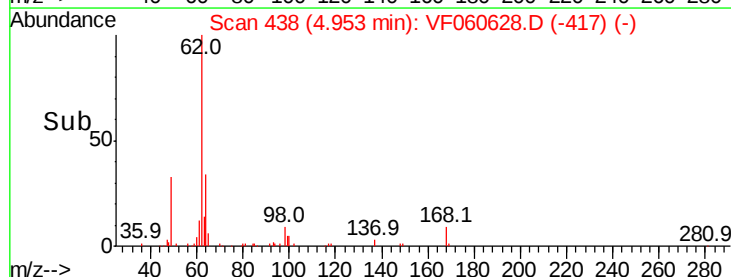
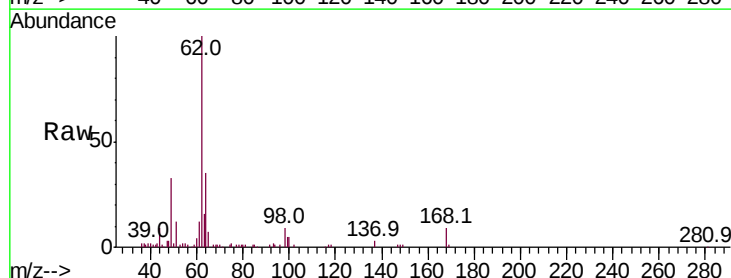
Acq: 7 Nov 2018 14:21

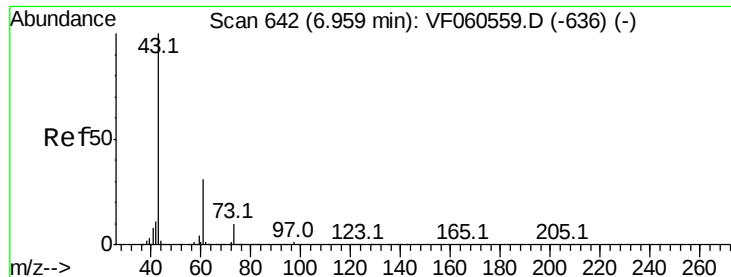
Tgt Ion: 62 Resp: 70359

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	22.4

62 100

98 8.7 0.0 22.4



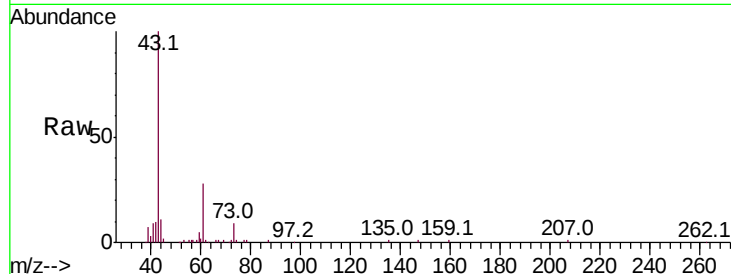


#43

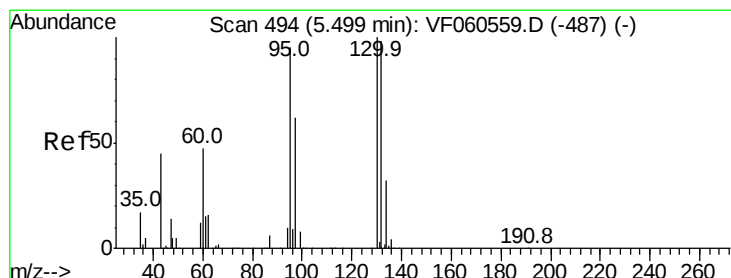
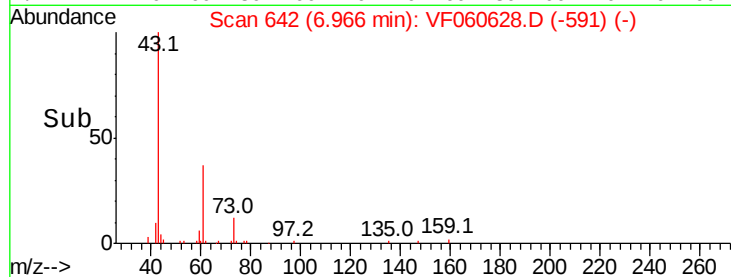
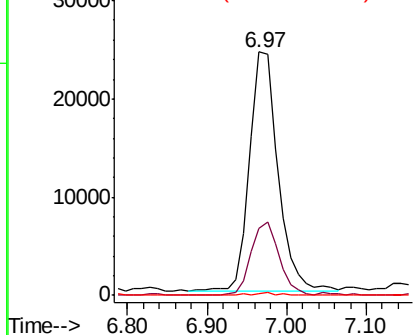
Isopropyl Acetate
 Concen: 19.343 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 60571
 Ion Ratio Lower Upper
 43 100
 61 27.8 24.2 36.2
 87 0.9 0.2 0.4#



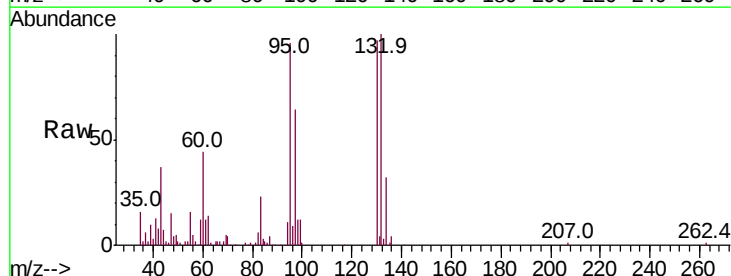
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



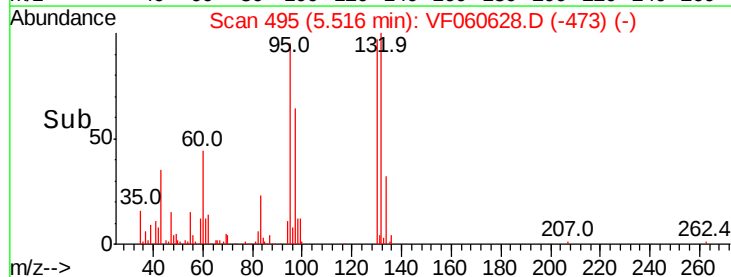
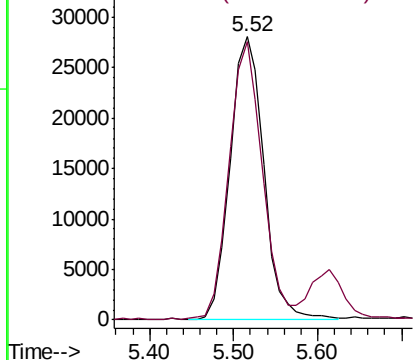
#44

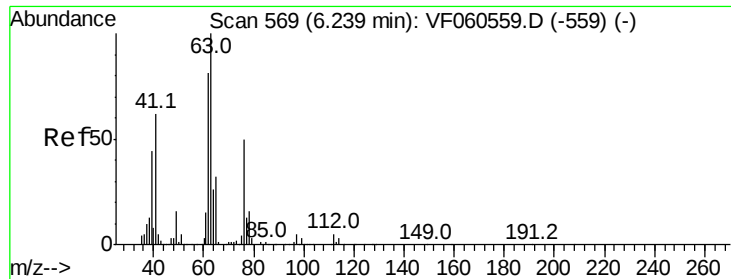
Trichloroethene
 Concen: 20.845 ug/l
 RT: 5.52 min Scan# 495
 Delta R.T. 0.02 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion:130 Resp: 78424
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.053 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

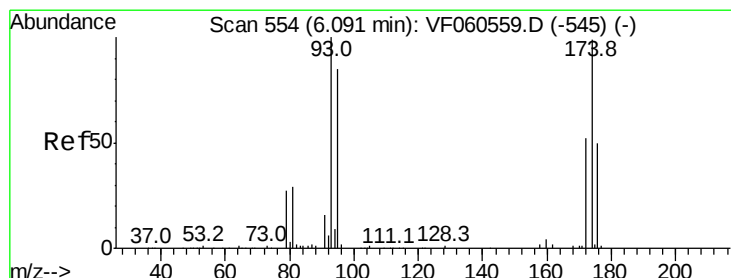
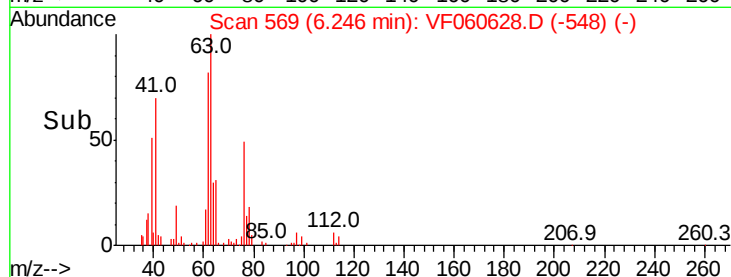
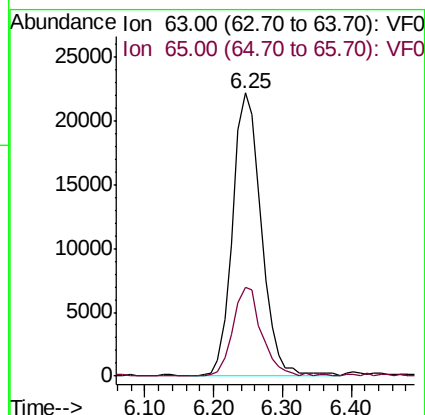
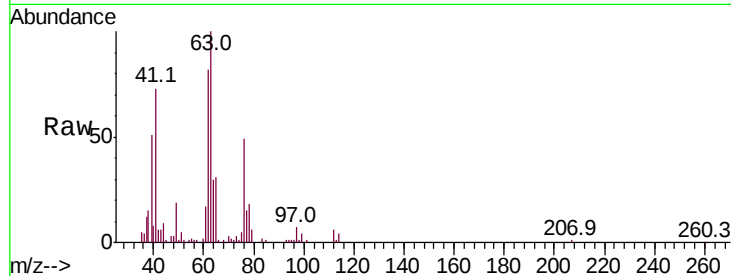
ClientSampled :

Tot Ion: 63 Resp: 64201

Ion Ratio Lower Upper

63 100

65 31.4 25.4 38.0



#46

Dibromomethane

Concen: 20.022 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

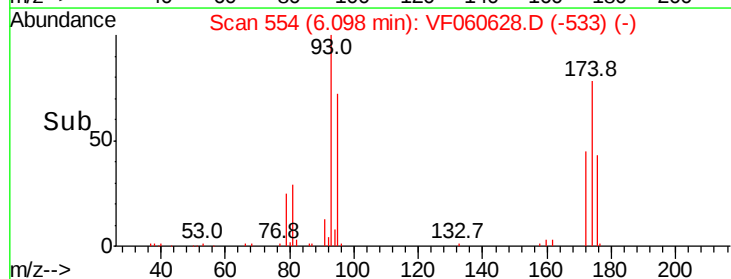
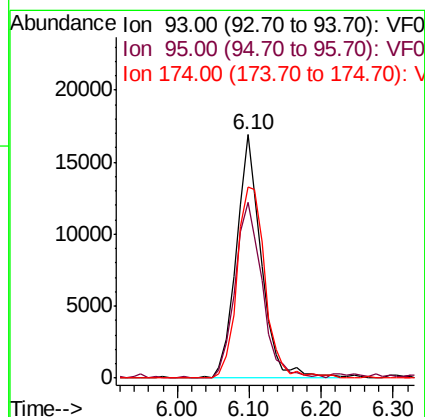
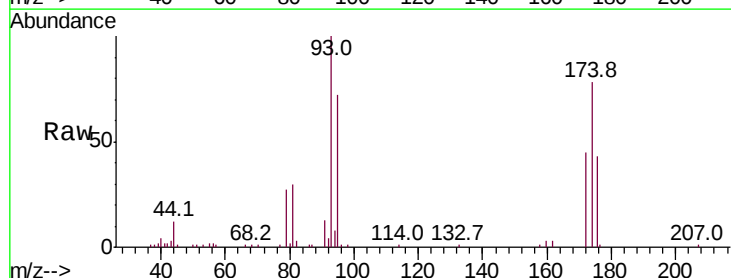
Tgt Ion: 93 Resp: 40667

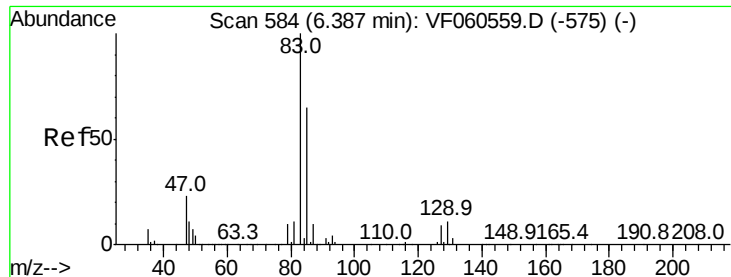
Ion Ratio Lower Upper

93 100

95 72.3 68.6 102.8

174 78.3 79.0 118.4#





#47

Bromodichloromethane

Concen: 20.075 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

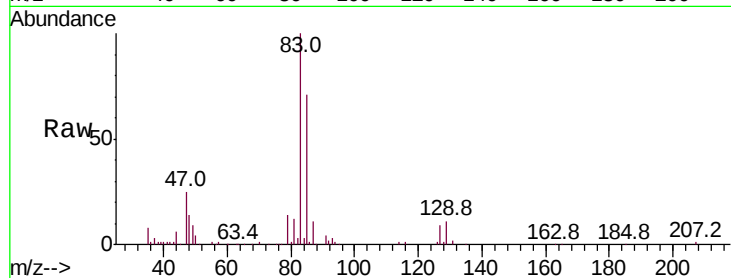
Tot Ion: 83 Resp: 98349

Ion Ratio Lower Upper

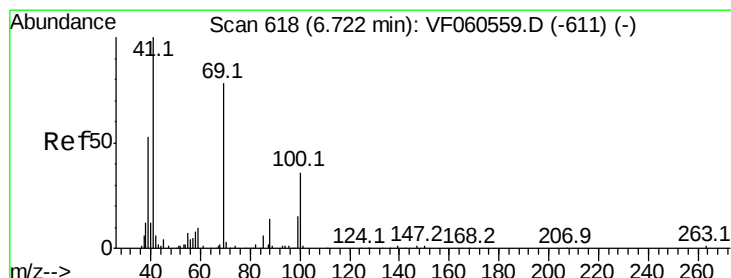
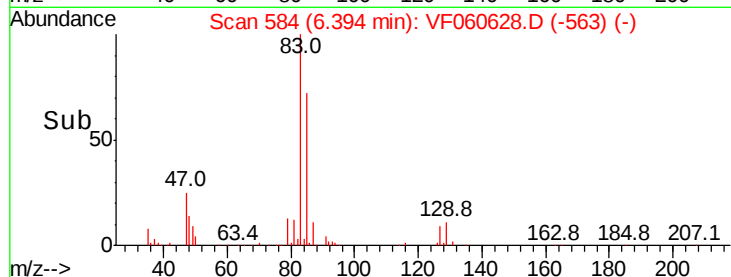
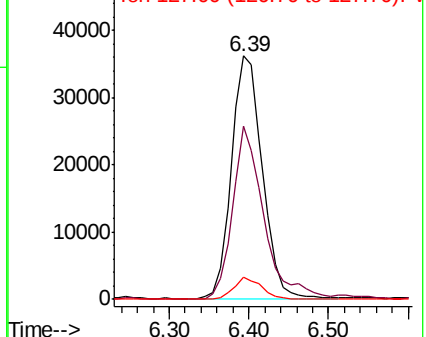
83 100

85 71.3 51.8 77.6

127 9.0 7.0 10.4



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: 18.601 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

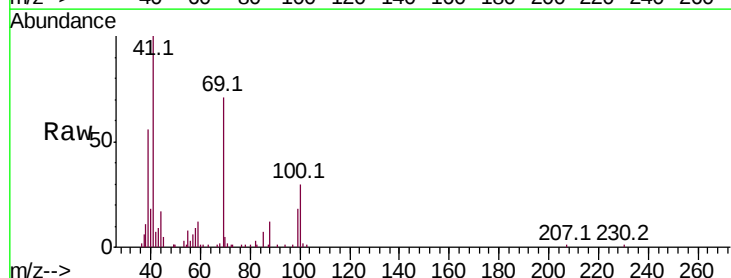
Tgt Ion: 41 Resp: 36607

Ion Ratio Lower Upper

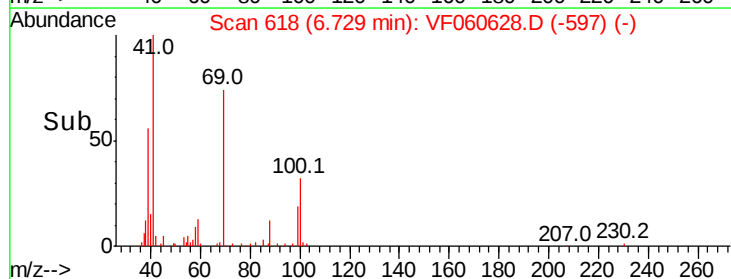
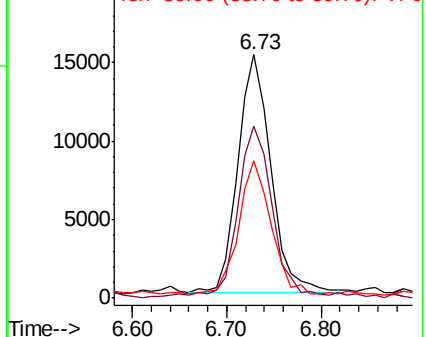
41 100

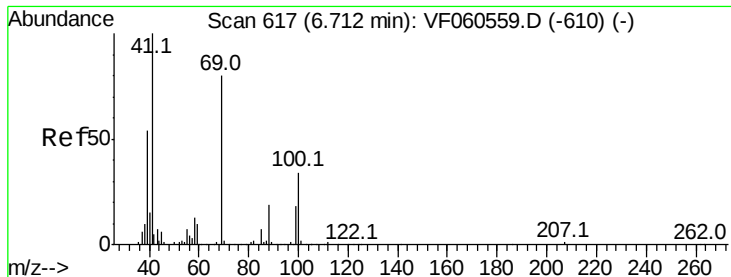
69 70.7 61.1 91.7

39 56.4 43.0 64.6



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: 335.977 ug/l

RT: 6.72 min Scan# 617

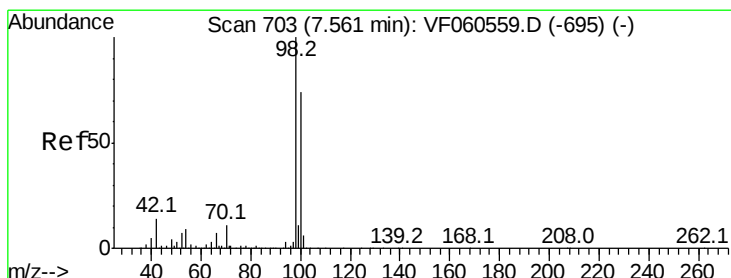
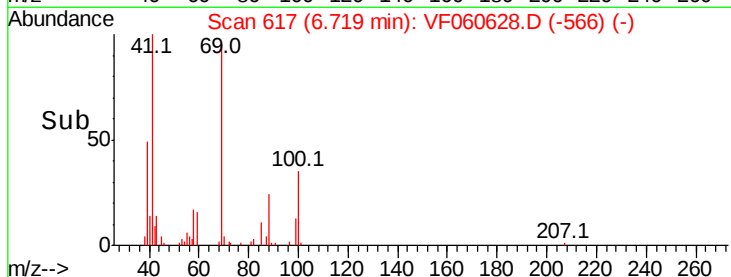
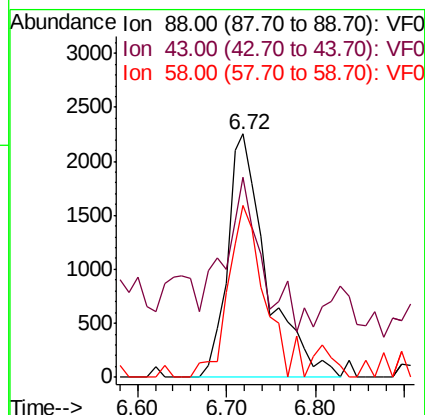
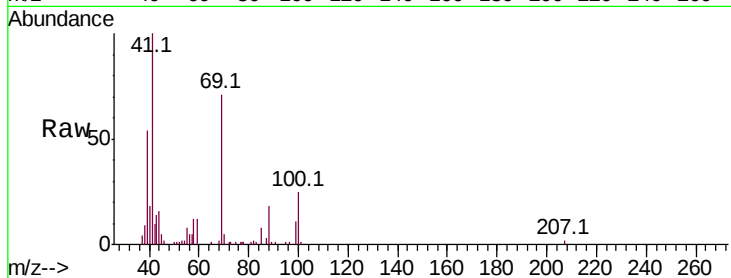
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	88	Resp:	6917
Ion	Ratio	Lower	Upper
88	100		
43	82.1	61.2	91.8
58	70.5	56.9	85.3



#50

Toluene-d8

Concen: 47.308 ug/l

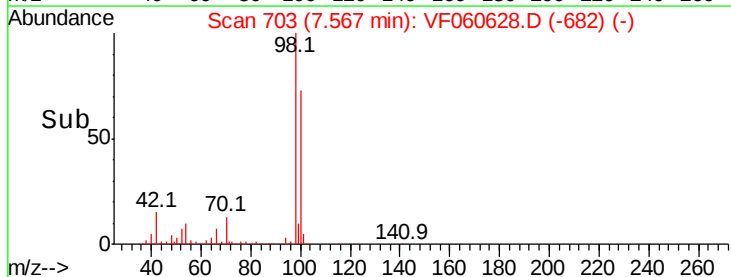
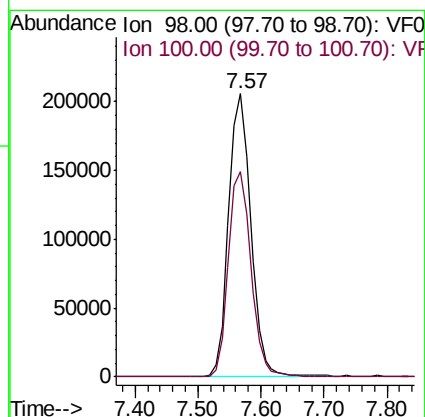
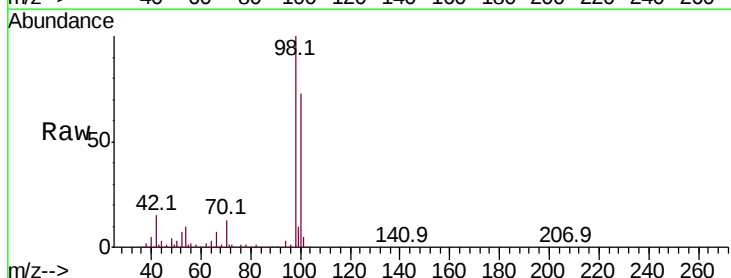
RT: 7.57 min Scan# 703

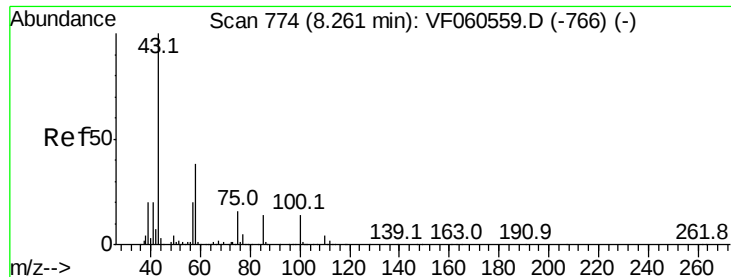
Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion:	98	Resp:	507118
Ion	Ratio	Lower	Upper
98	100		
100	72.7	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 95.405 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

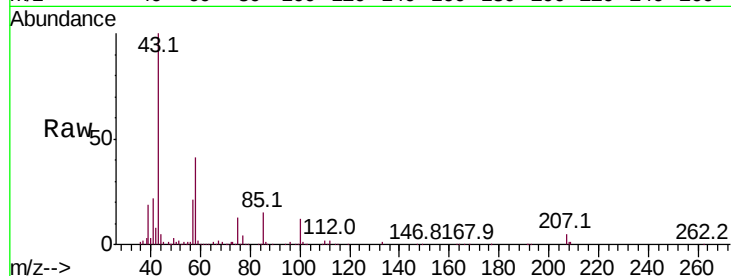
ClientSampleId :

Tot Ion: 43 Resp: 200902

Ion Ratio Lower Upper

43 100

58 41.4 30.1 45.1



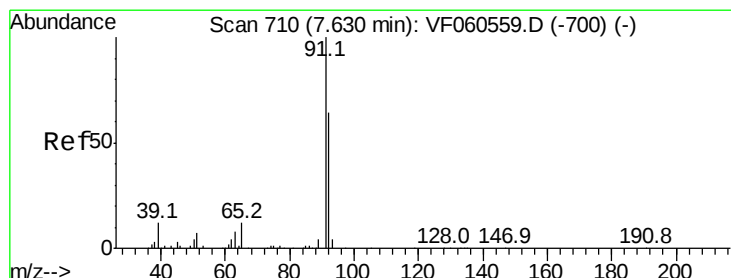
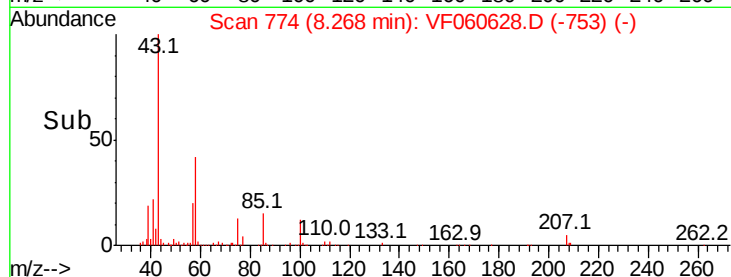
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 20.303 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060628.D

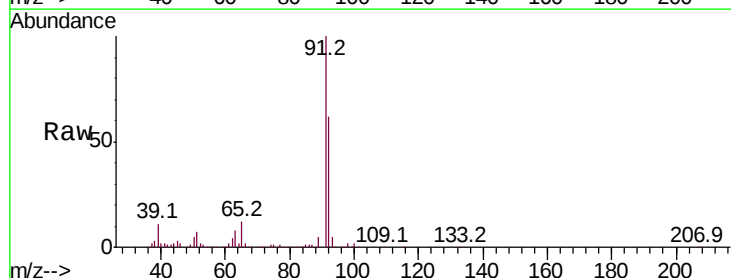
Acq: 7 Nov 2018 14:21

Tgt Ion: 92 Resp: 165554

Ion Ratio Lower Upper

92 100

91 160.8 124.5 186.7



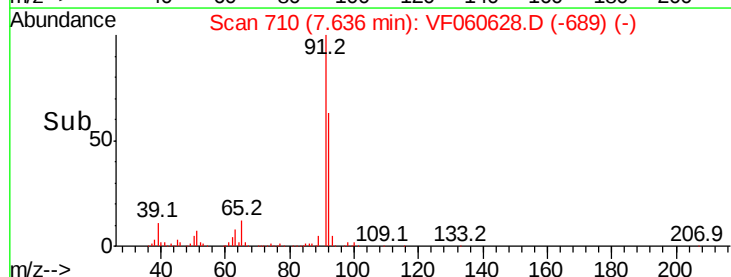
Abundance Ion 92.00 (91.70 to 92.70): VF0

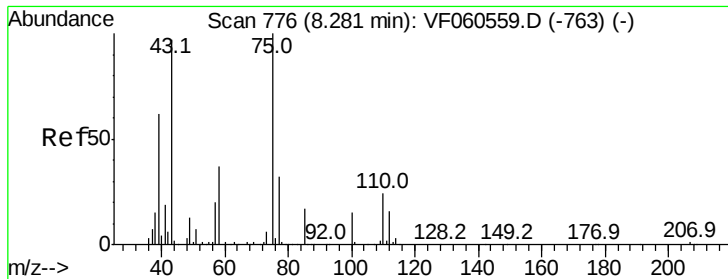
Ion 91.00 (90.70 to 91.70): VF0

7.64

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.196 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

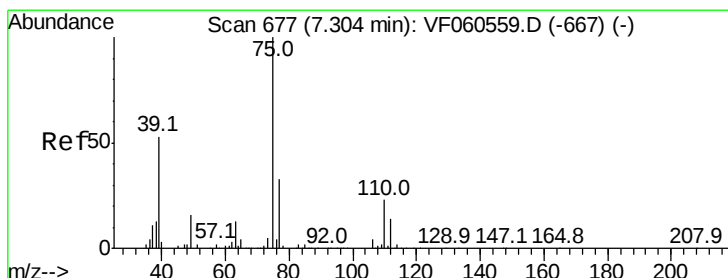
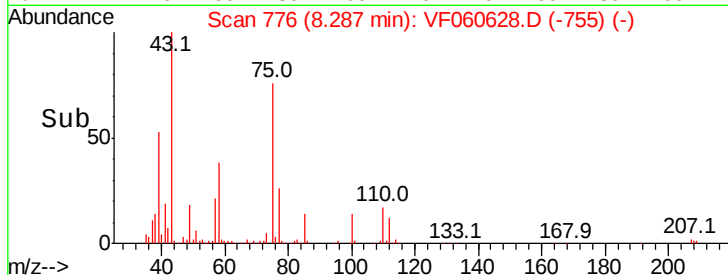
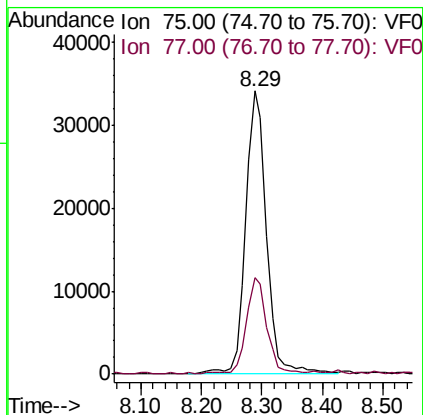
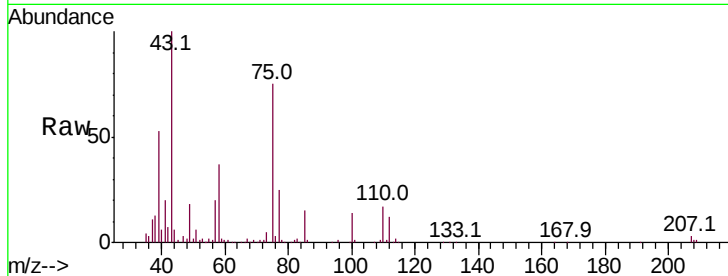
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 81734

Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.322 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

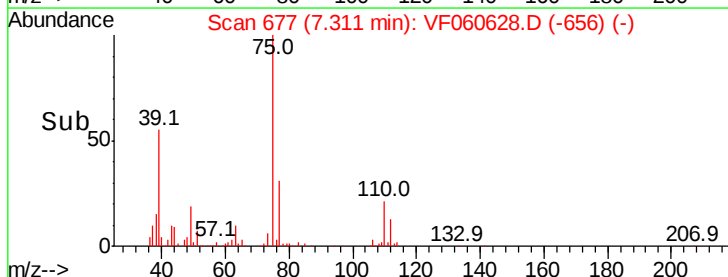
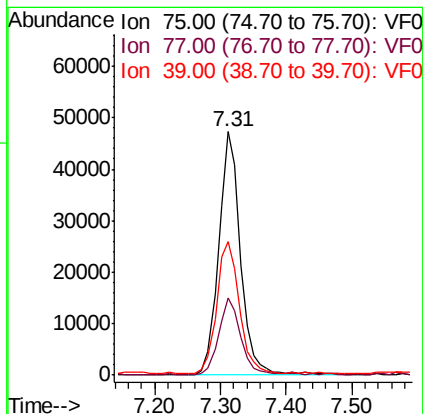
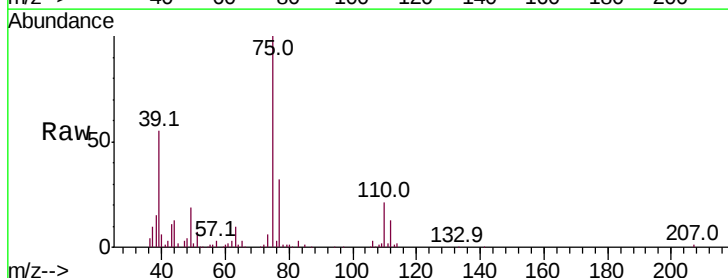
Tgt Ion: 75 Resp: 109328

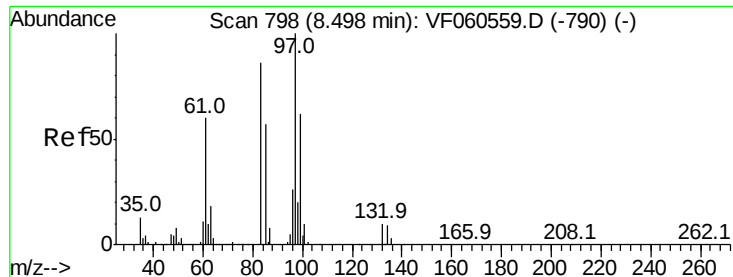
Ion Ratio Lower Upper

75 100

77 31.6 26.7 40.1

39 55.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.139 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

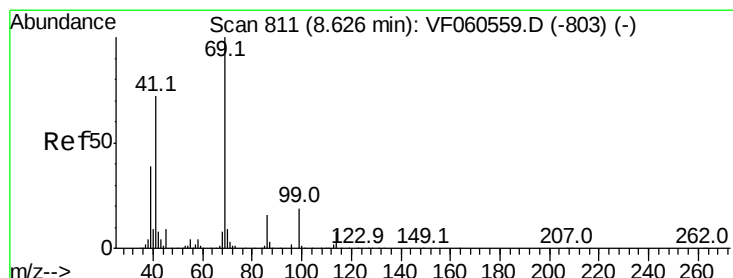
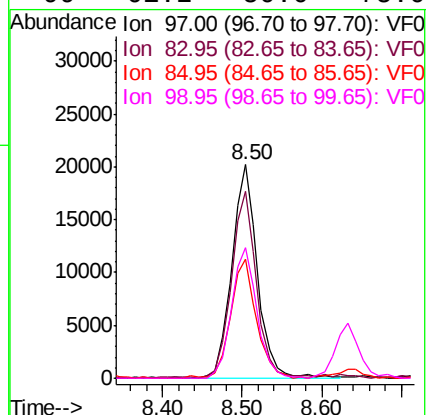
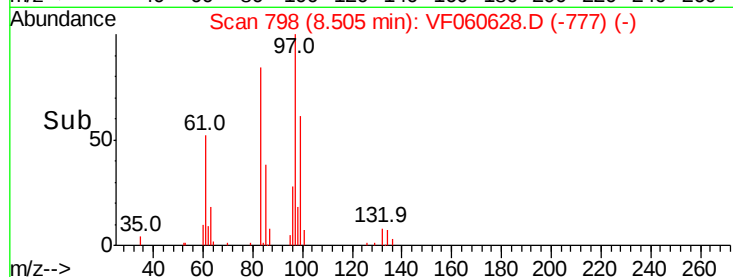
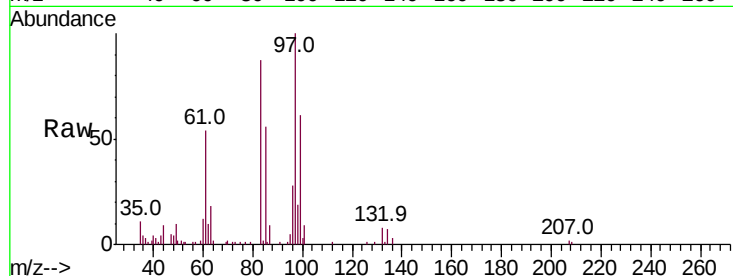
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 45415

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.4	104.0
85	55.5	46.6	69.8
99	61.2	50.0	75.0



#56

Ethyl methacrylate

Concen: 18.161 ug/l

RT: 8.63 min Scan# 811

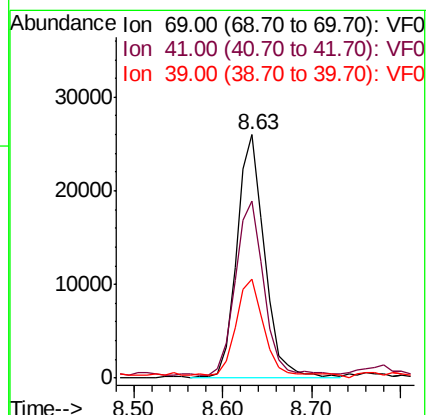
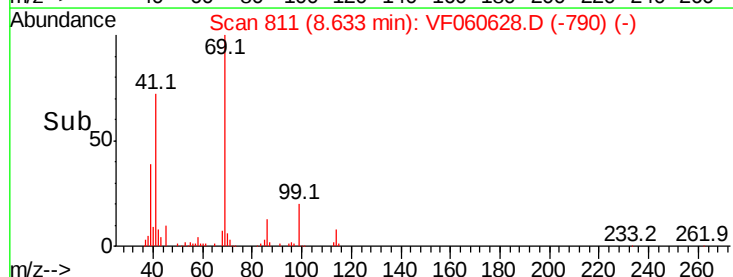
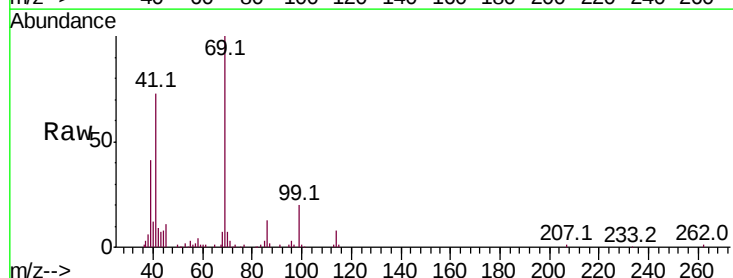
Delta R.T. 0.01 min

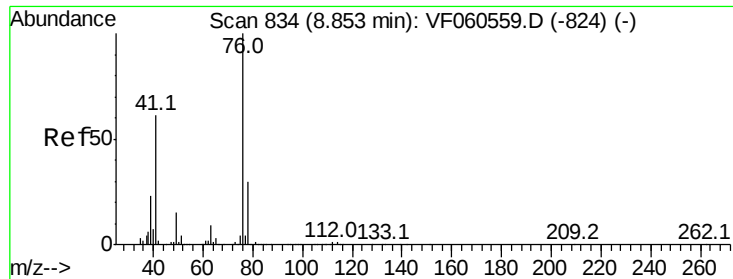
Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion: 69 Resp: 55444

Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.2	88.8
39	40.6	32.3	48.5





#57

1,3-Dichloropropane

Concen: 19.564 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

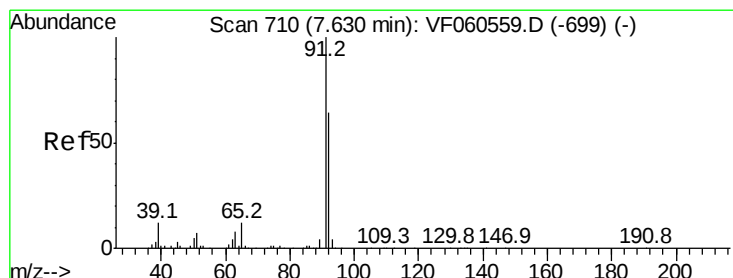
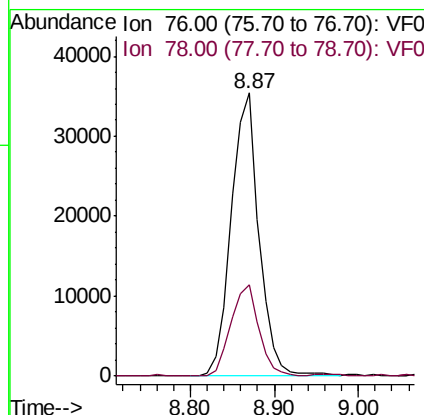
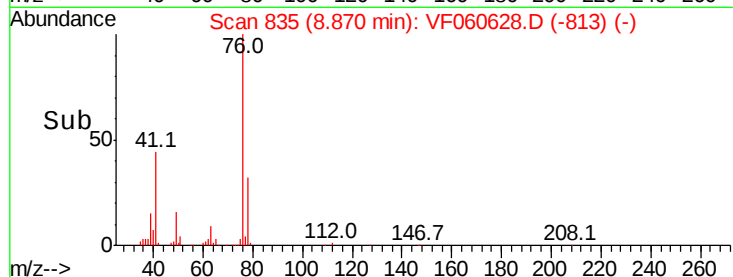
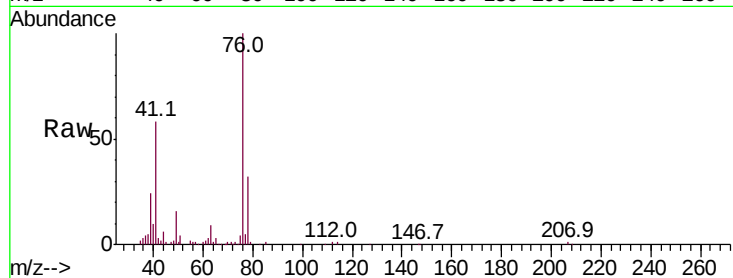
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 81455

Ion Ratio Lower Upper

76 100

78 32.1 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 101.200 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060628.D

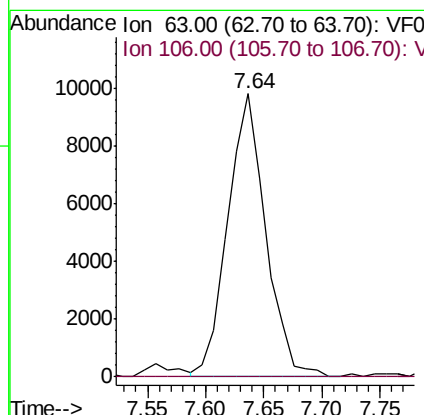
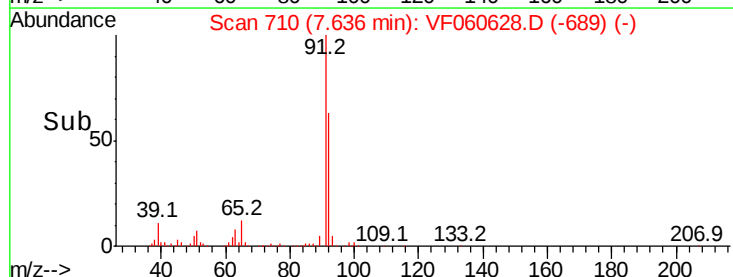
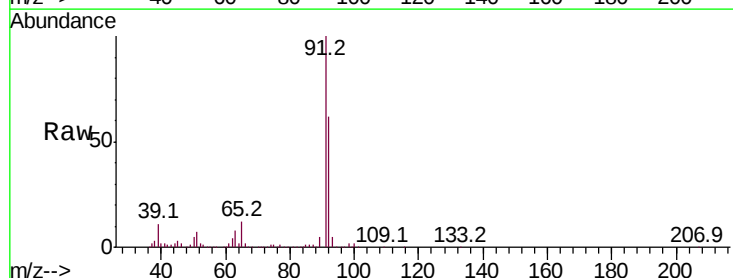
Acq: 7 Nov 2018 14:21

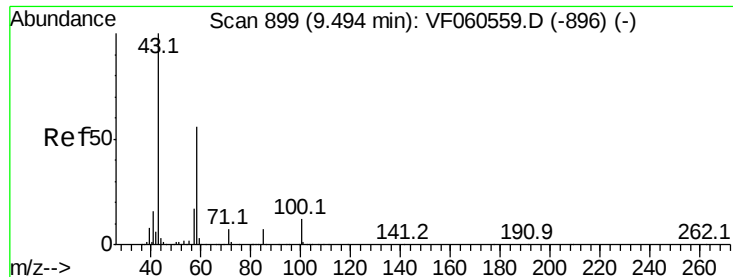
Tgt Ion: 63 Resp: 22188

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

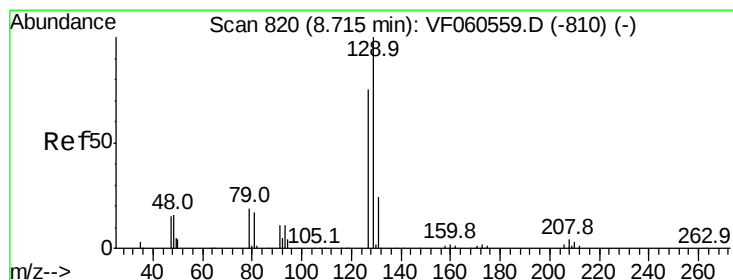
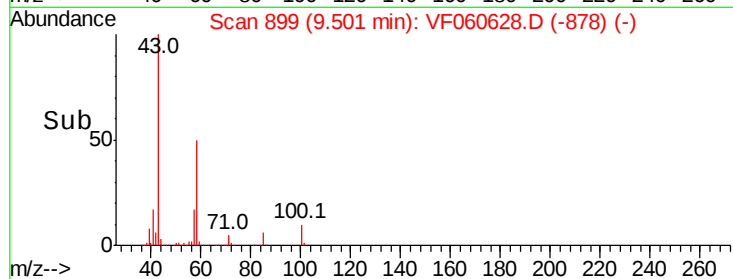
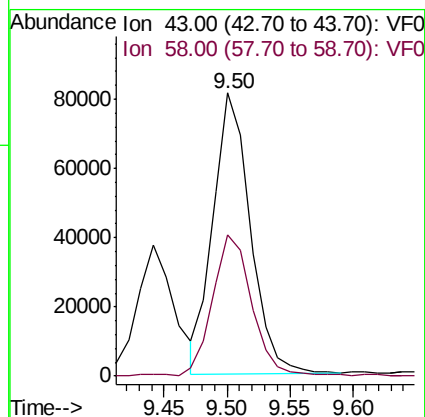
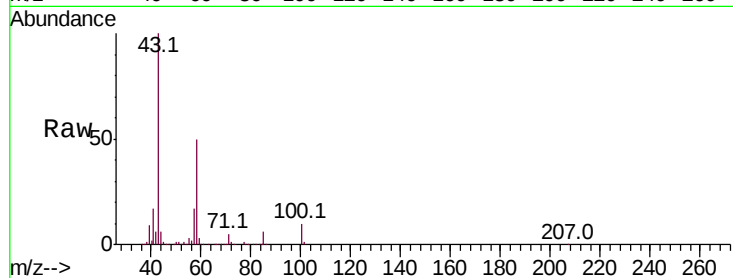




#59
2-Hexanone
Concen: 104.107 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

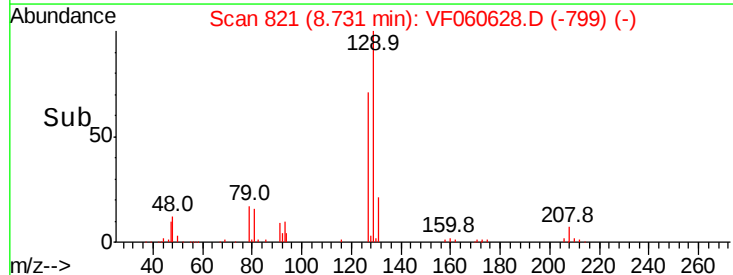
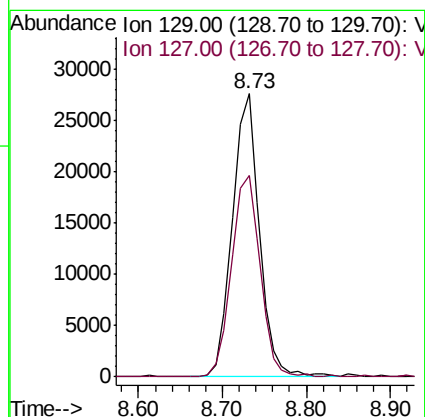
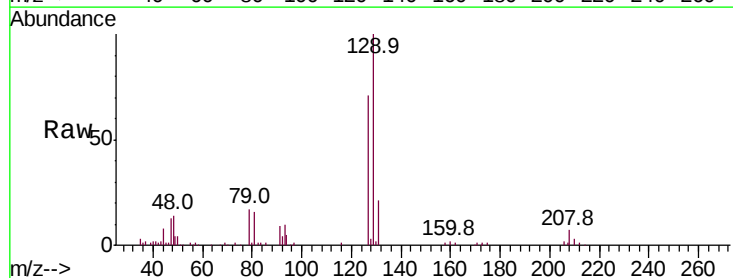
Instrument :
MSVOA_F
ClientSampleId :

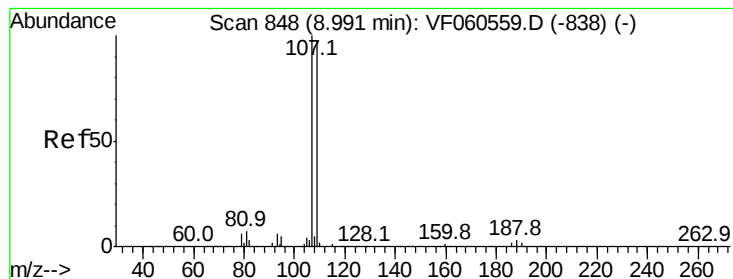
Tot Ion: 43 Resp: 165994
Ion Ratio Lower Upper
43 100
58 49.8 26.1 78.3



#60
Dibromochloromethane
Concen: 18.676 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion:129 Resp: 61977
Ion Ratio Lower Upper
129 100
127 71.0 37.8 113.3





#61

1,2-Dibromoethane

Concen: 19.011 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

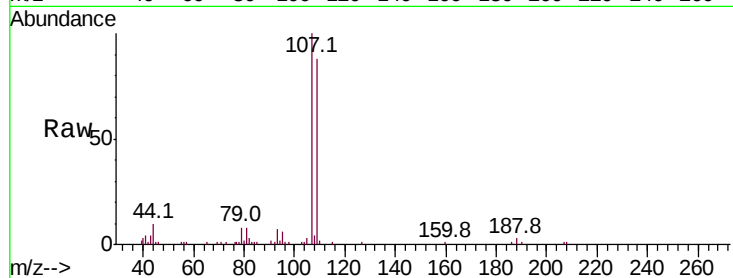
ClientSampleId :

Tot Ion:107 Resp: 47439

Ion Ratio Lower Upper

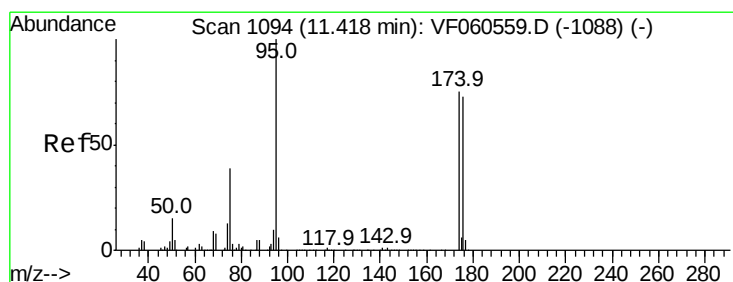
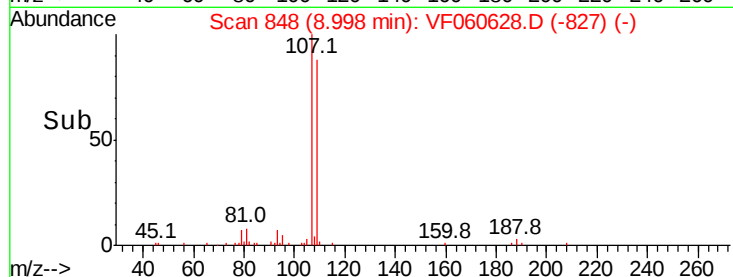
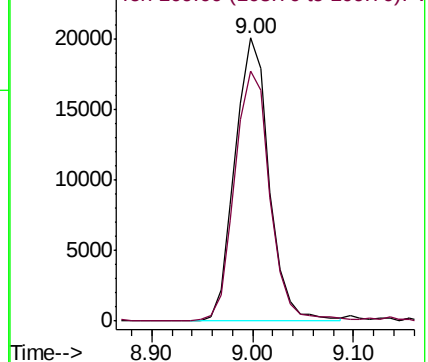
107 100

109 88.2 77.5 116.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.943 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

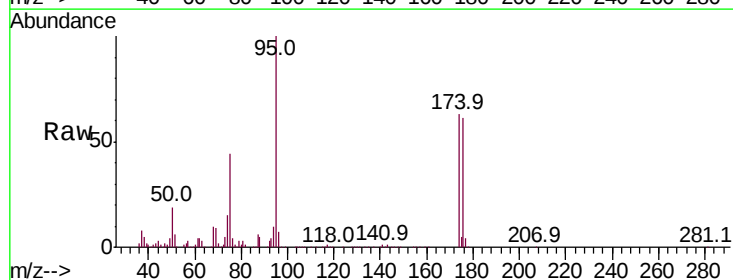
Tgt Ion: 95 Resp: 224797

Ion Ratio Lower Upper

95 100

174 62.7 0.0 149.0

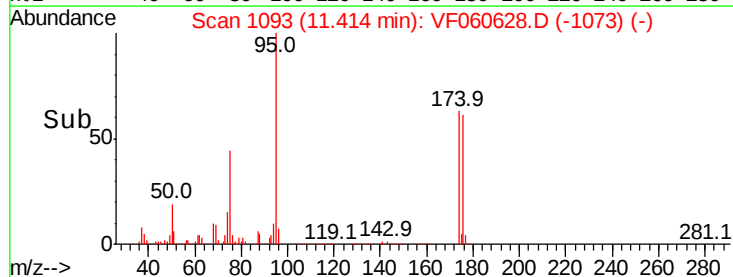
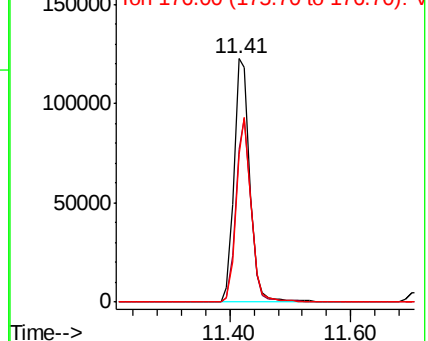
176 60.8 0.0 145.6

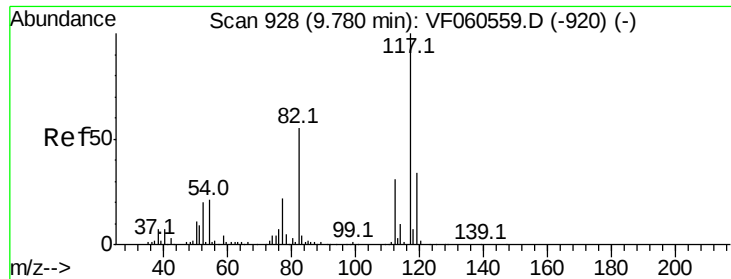


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

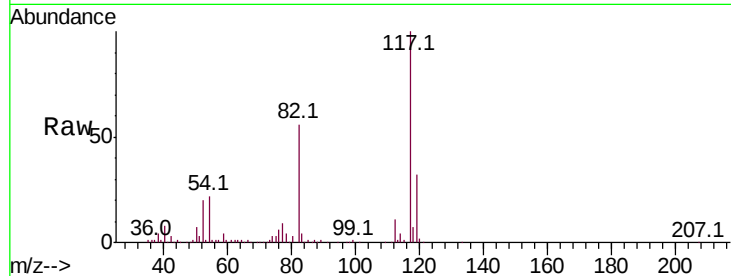




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.9	65.9
119	32.2	27.4	41.0

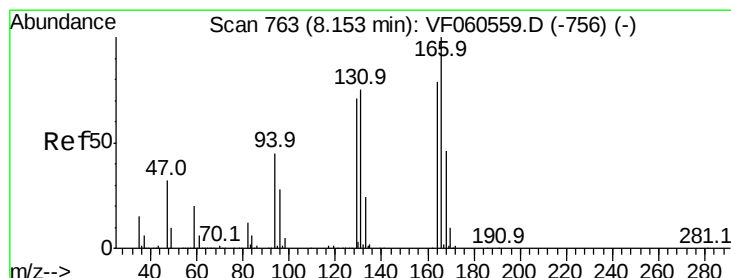
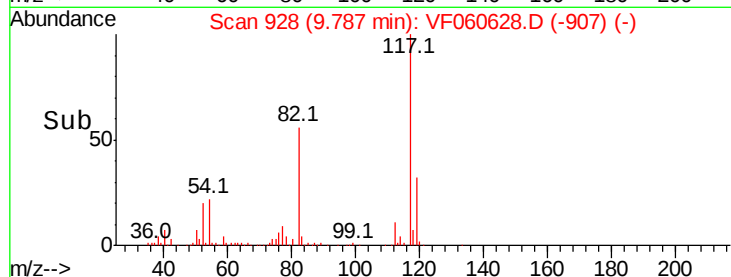
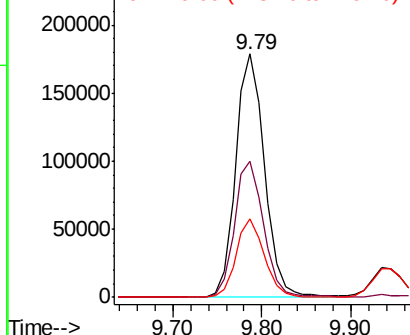


Abundance

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: 19.918 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.02 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.5	152.3
129	93.4	72.5	108.7
131	100.5	76.4	114.6

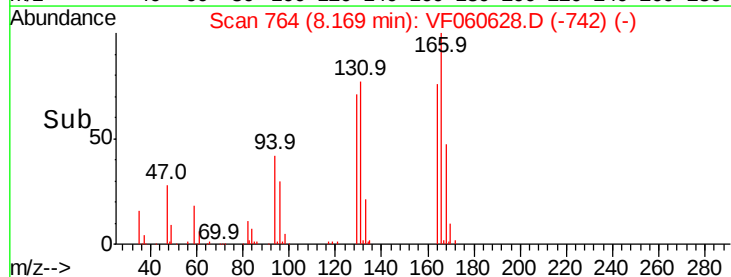
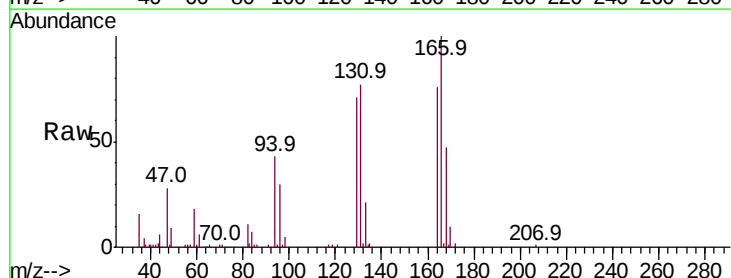
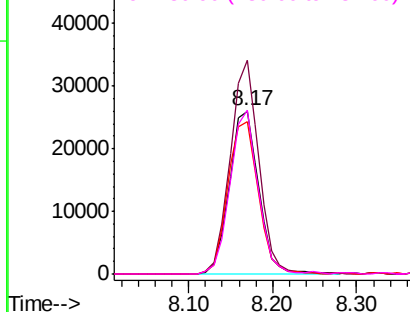
Abundance

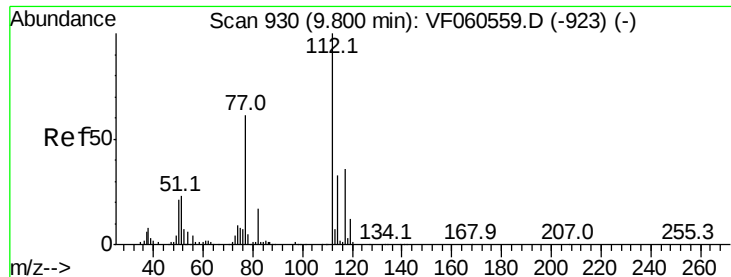
Ion 163.85 (163.55 to 164.55): V

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

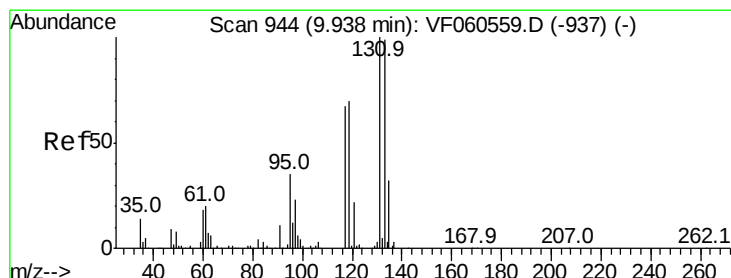
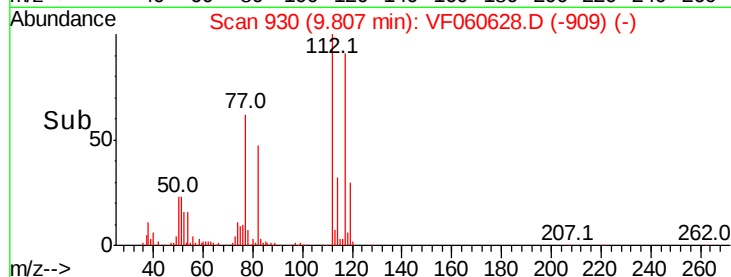
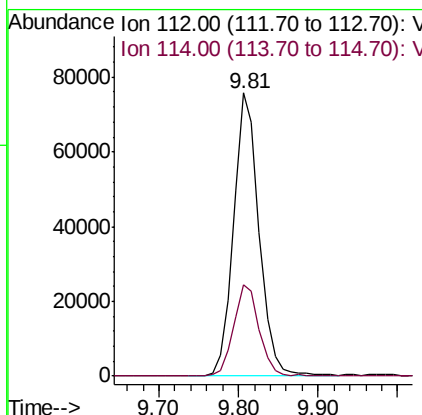
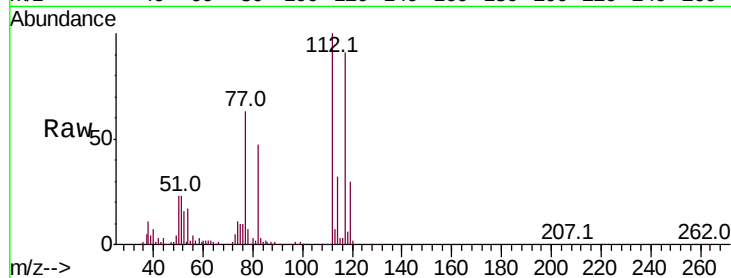




#65
Chlorobenzene
Concen: 20.517 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

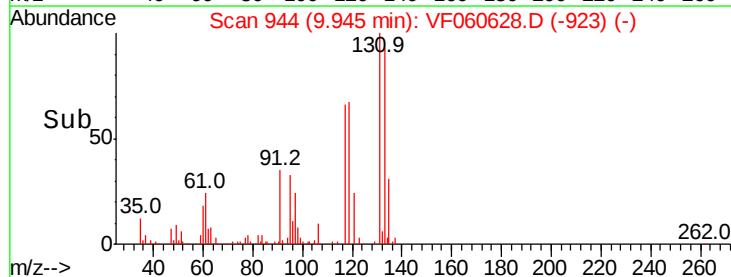
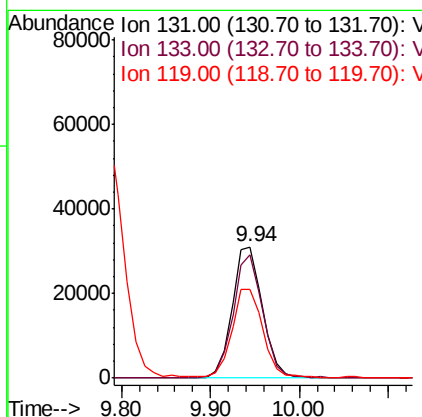
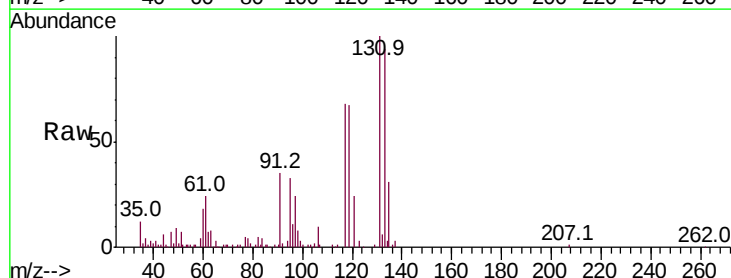
Instrument :
MSVOA_F
ClientSampled :

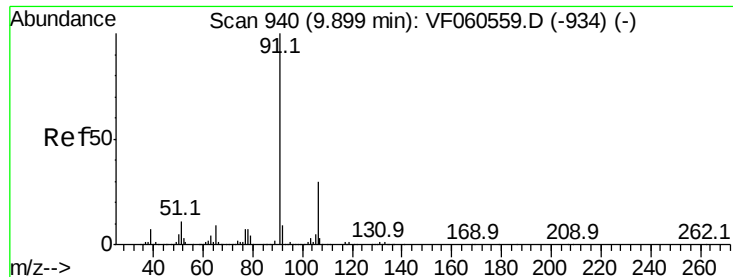
Tot Ion:112 Resp: 169045
Ion Ratio Lower Upper
112 100
114 32.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.291 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion:131 Resp: 74123
Ion Ratio Lower Upper
131 100
133 93.9 49.5 148.7
119 67.3 35.2 105.6





#67

Ethyl Benzene

Concen: 22.004 ug/l

RT: 9.92 min Scan# 941

Delta R.T. 0.02 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

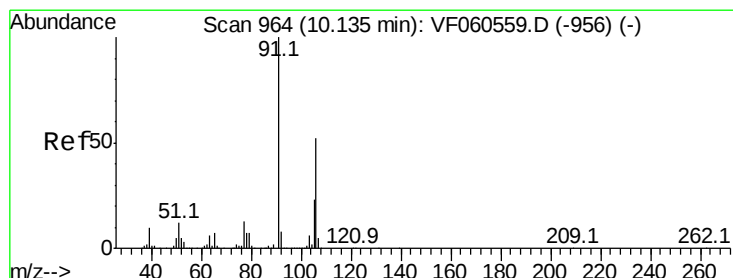
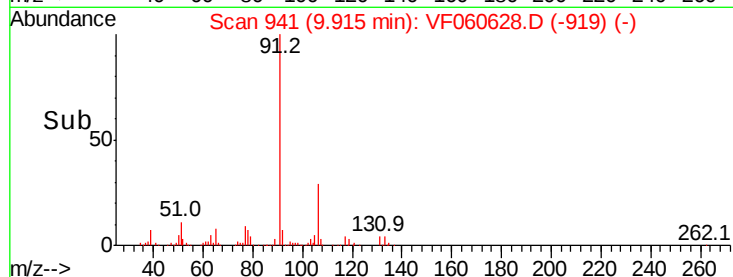
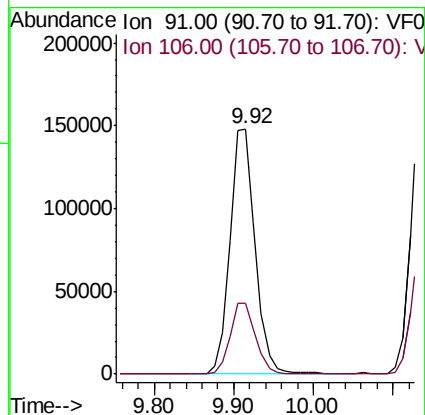
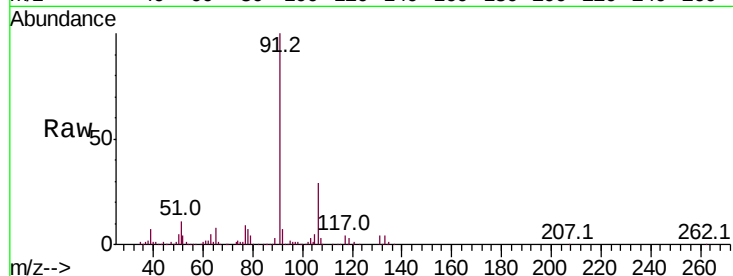
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 328990

Ion Ratio Lower Upper

91 100

106 28.9 24.2 36.4



#68

m/p-Xylenes

Concen: 40.470 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF060628.D

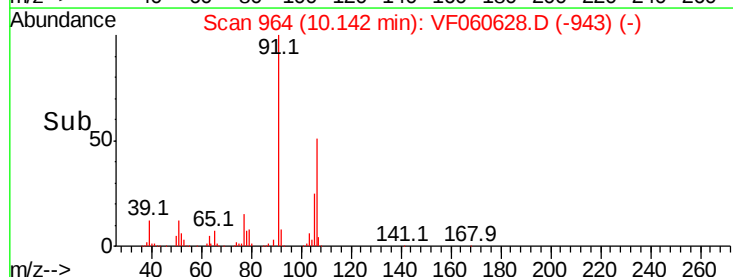
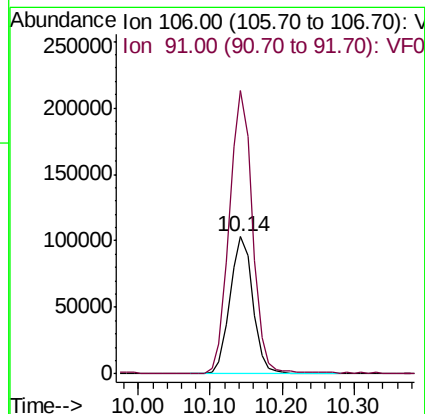
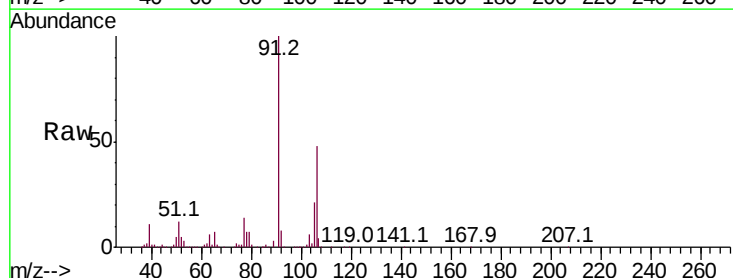
Acq: 7 Nov 2018 14:21

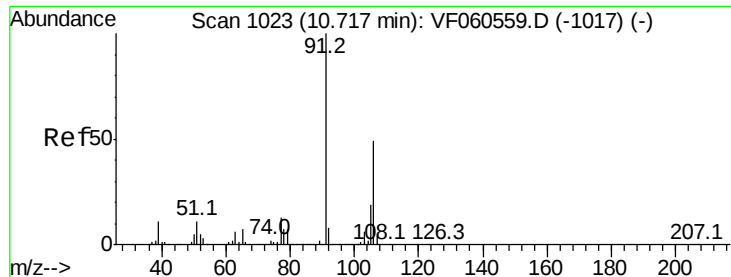
Tgt Ion: 106 Resp: 227930

Ion Ratio Lower Upper

106 100

91 206.5 153.9 230.9

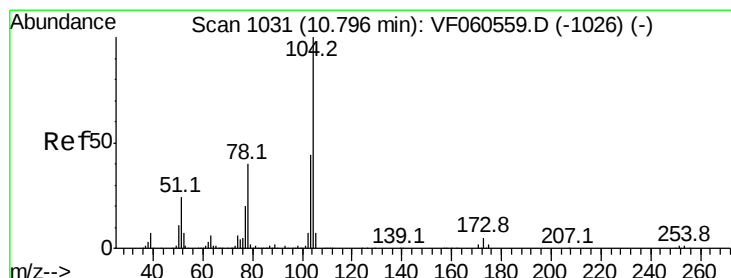
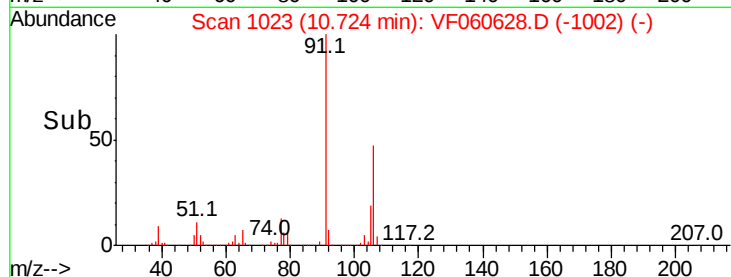
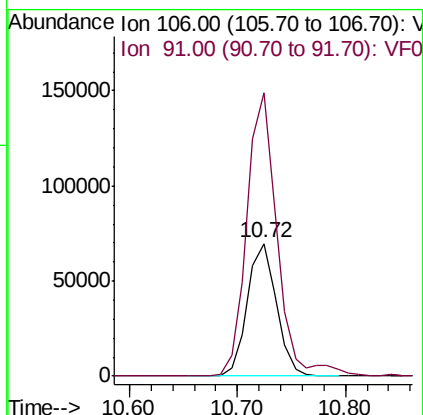
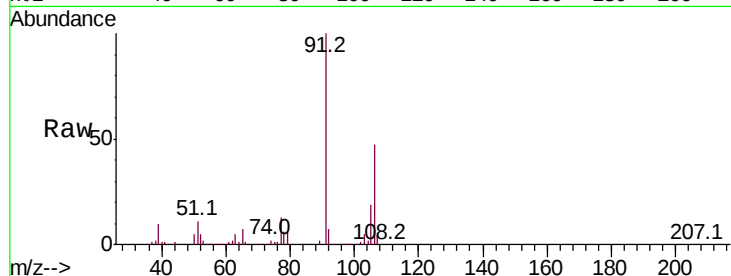




#69
o-Xylene
Concen: 21.321 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

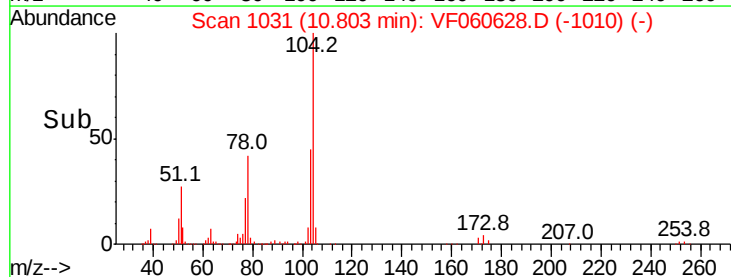
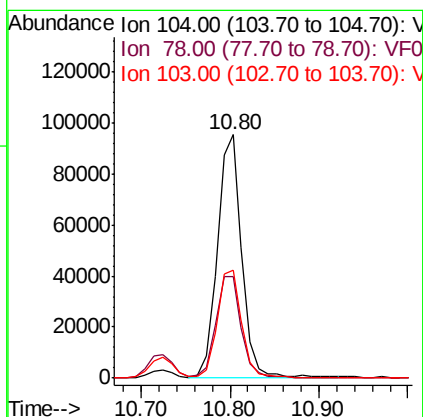
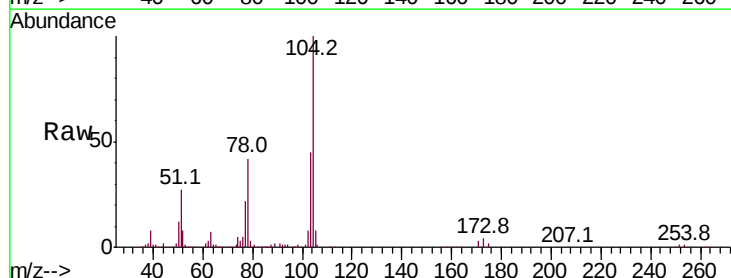
Instrument :
MSVOA_F
ClientSampleId :

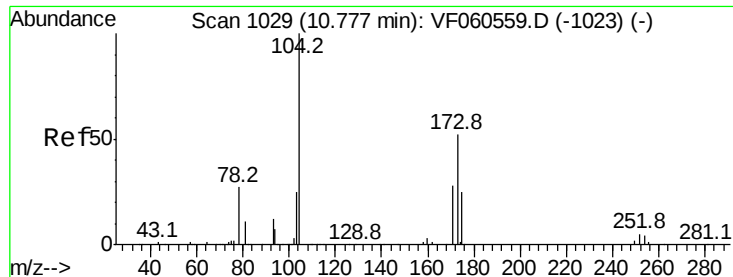
Tot Ion:106 Resp: 131122
Ion Ratio Lower Upper
106 100
91 213.6 101.8 305.3



#70
Styrene
Concen: 20.278 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion:104 Resp: 180670
Ion Ratio Lower Upper
104 100
78 41.9 32.6 49.0
103 44.5 35.2 52.8





#71

Bromoform

Concen: 16.738 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

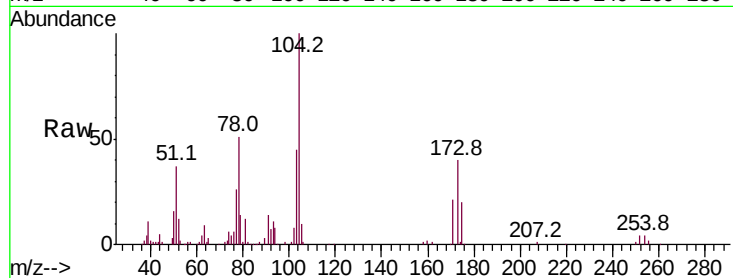
Tot Ion:173 Resp: 30095

Ion Ratio Lower Upper

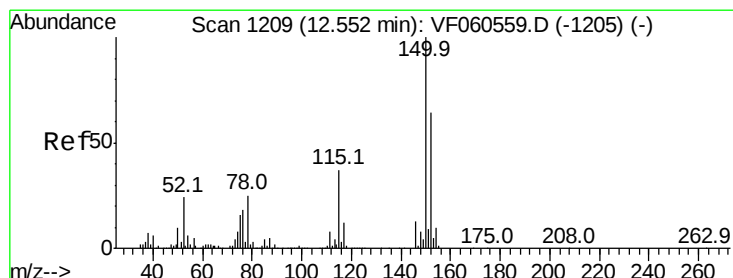
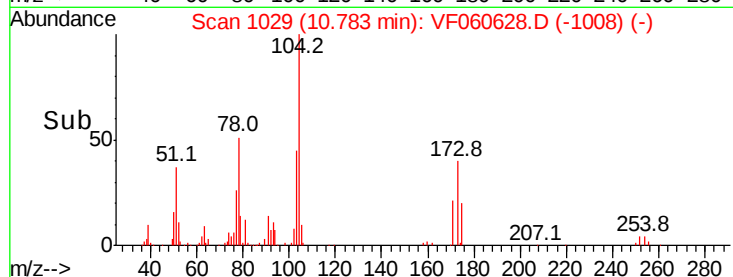
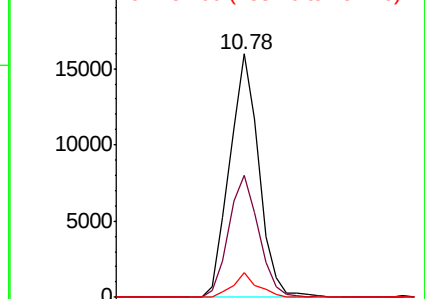
173 100

175 50.3 24.3 72.9

254 9.9 6.7 10.1



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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

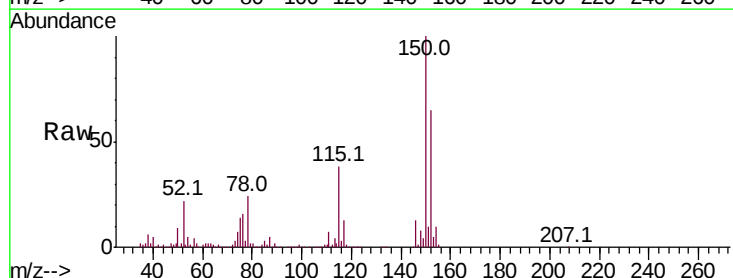
Tgt Ion:152 Resp: 220511

Ion Ratio Lower Upper

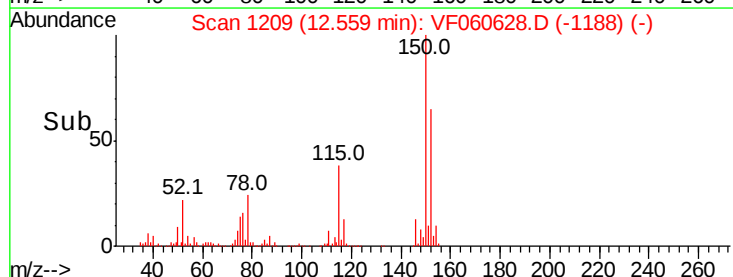
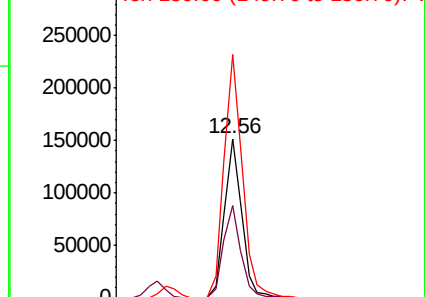
152 100

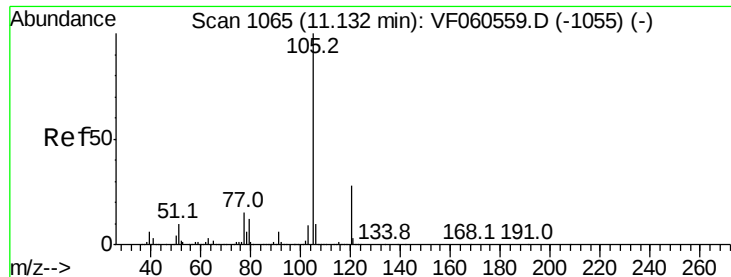
115 57.9 29.6 88.8

150 152.8 0.0 315.6



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: 22.803 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

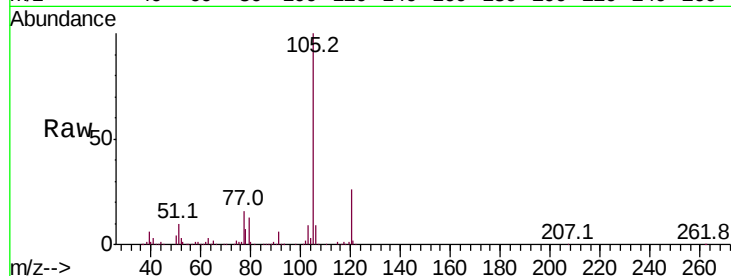
ClientSampled :

Tot Ion:105 Resp: 392145

Ion Ratio Lower Upper

105 100

120 26.0 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

200000

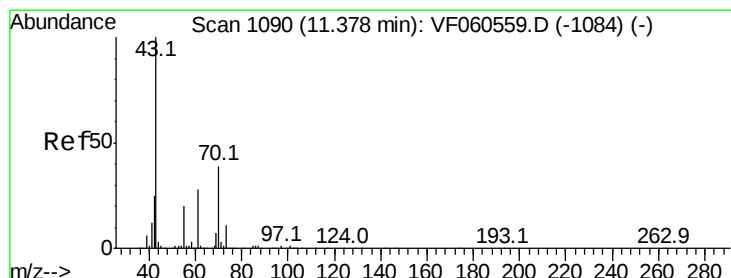
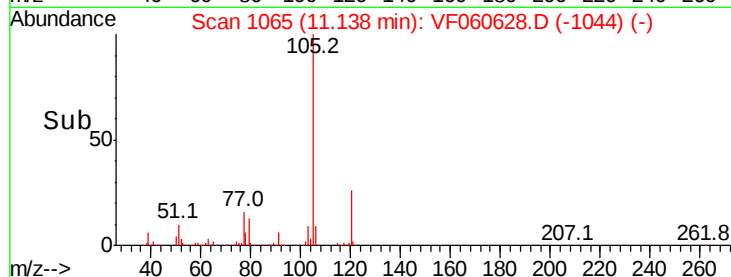
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.742 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Tgt Ion: 43 Resp: 99466

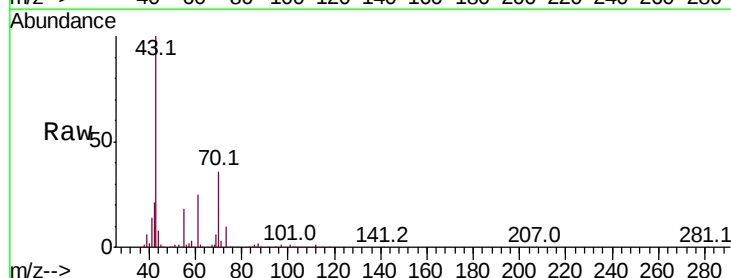
Ion Ratio Lower Upper

43 100

70 35.6 30.9 46.3

55 18.3 16.6 24.8

61 24.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.38

80000

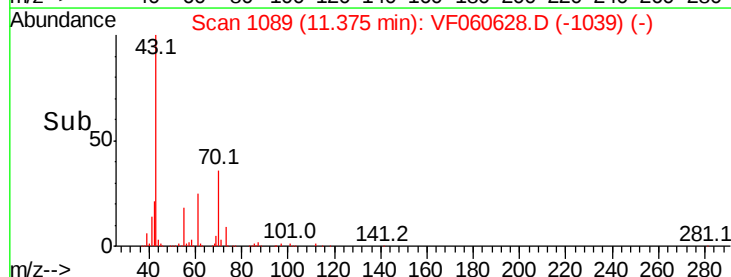
60000

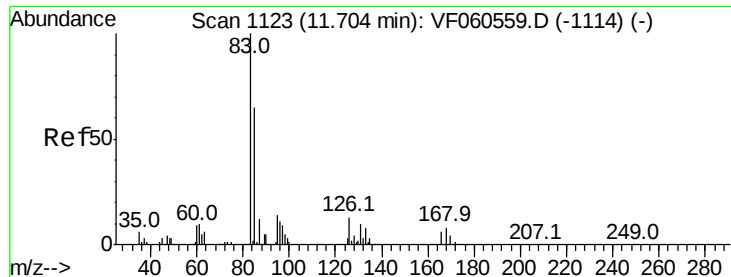
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.018 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

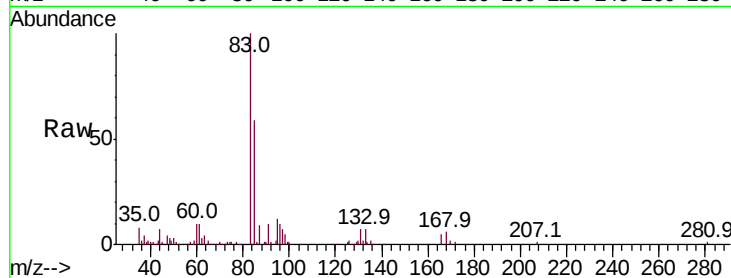
Tot Ion: 83 Resp: 62836

Ion Ratio Lower Upper

83 100

131 7.3 5.0 14.9

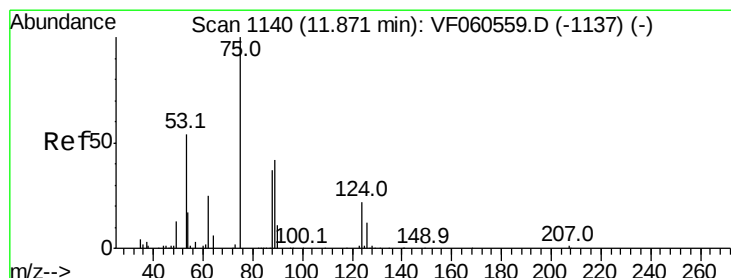
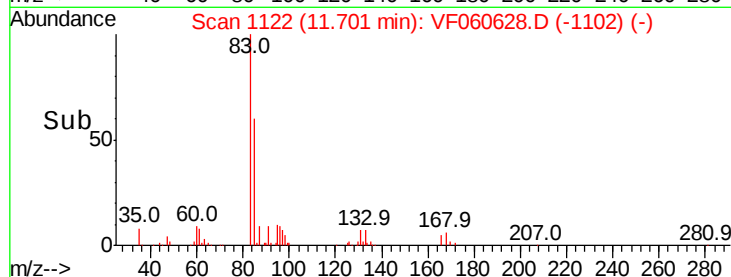
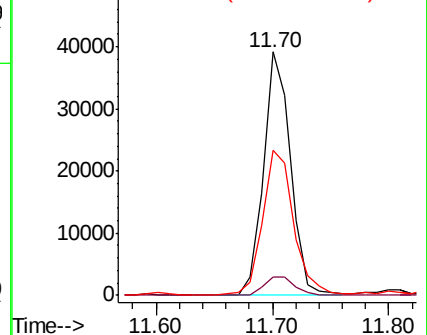
85 59.5 32.9 98.7



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: 18.706 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF060628.D

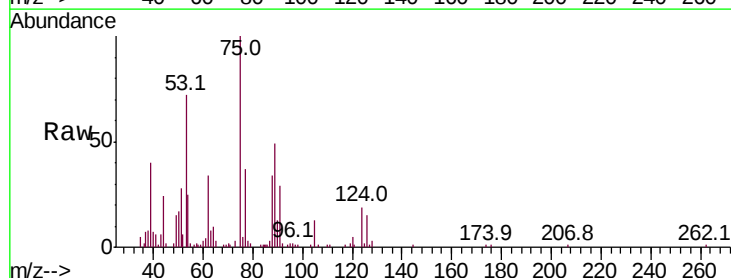
Acq: 7 Nov 2018 14:21

Tgt Ion: 75 Resp: 28857

Ion Ratio Lower Upper

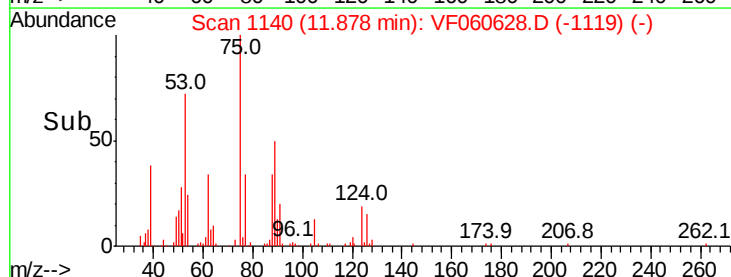
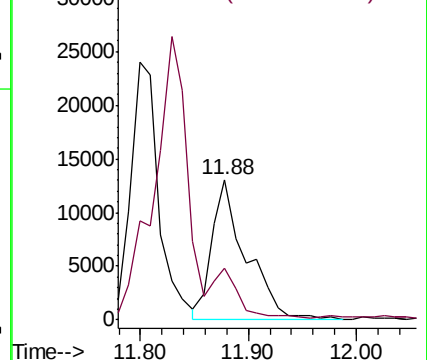
75 100

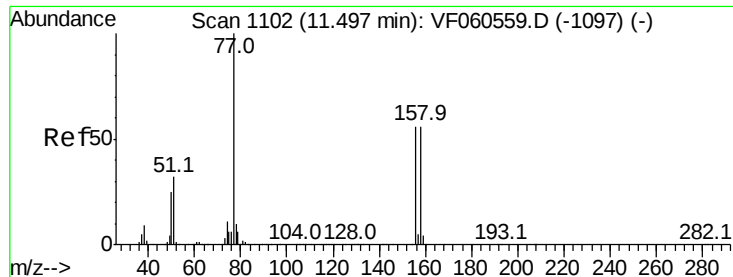
77 36.6 17.4 52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.700 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

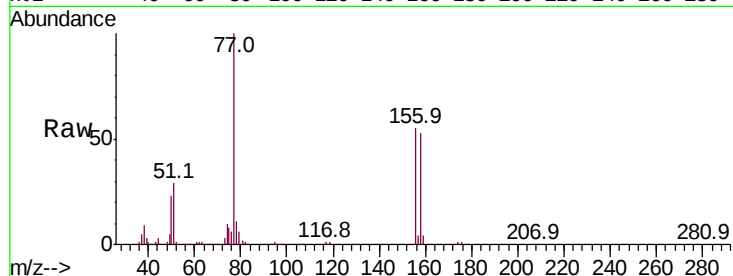
Tot Ion:156 Resp: 77895

Ion	Ratio	Lower	Upper
156	100		
77	181.2	89.3	268.1
158	96.0	50.0	150.1

156 100

77 181.2 89.3 268.1

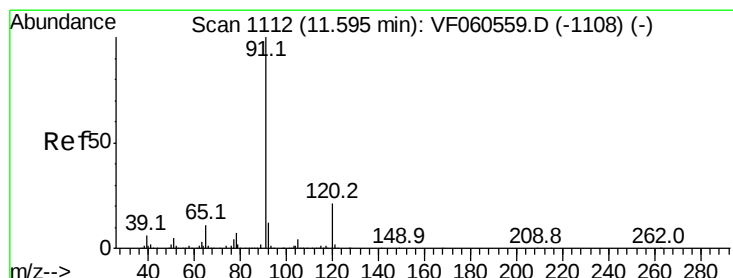
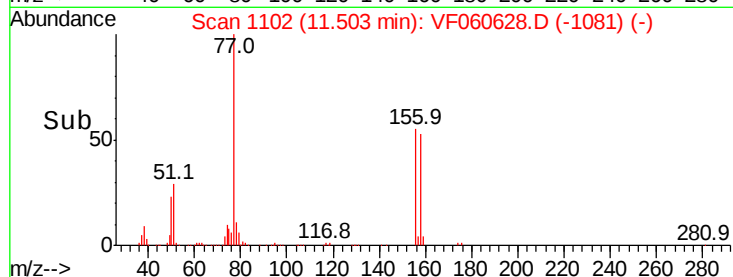
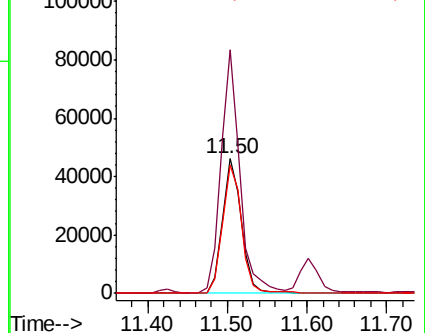
158 96.0 50.0 150.1



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: 22.749 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF060628.D

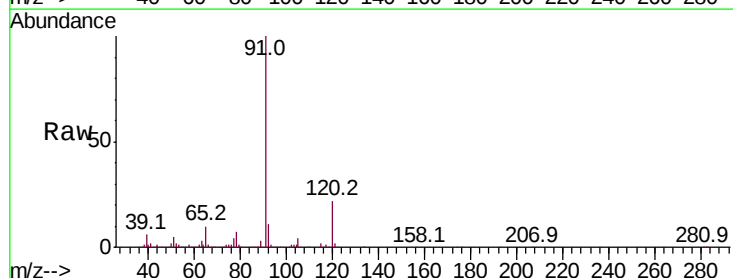
Acq: 7 Nov 2018 14:21

Tgt Ion: 91 Resp: 457732

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.5	31.6

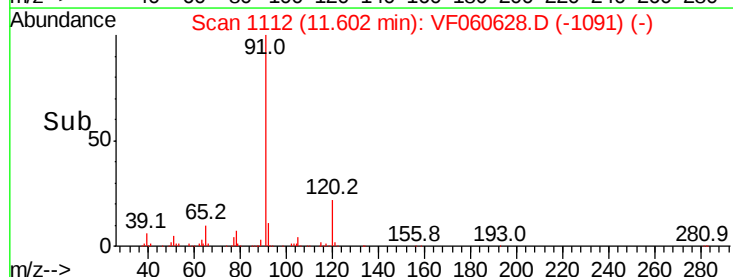
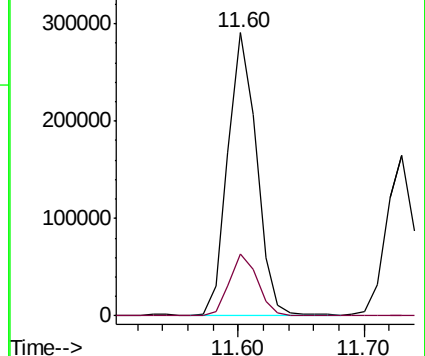
91 100

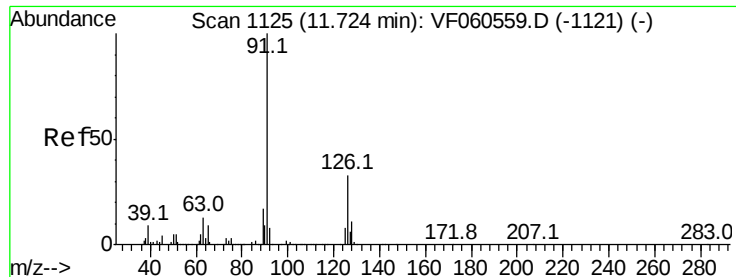
120 22.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.132 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

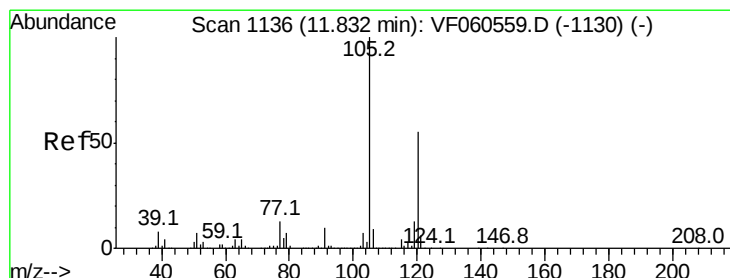
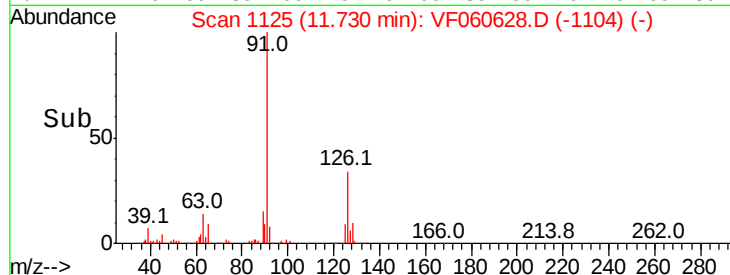
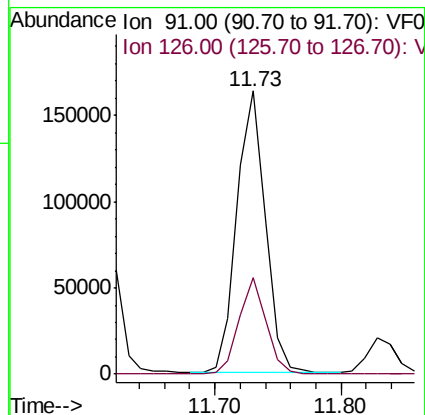
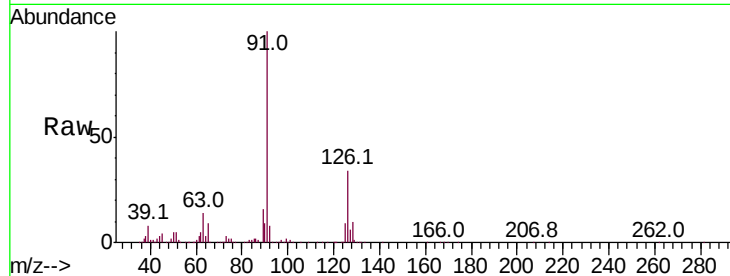
ClientSampleId :

Tot Ion: 91 Resp: 254320

Ion Ratio Lower Upper

91 100

126 33.9 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 21.957 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060628.D

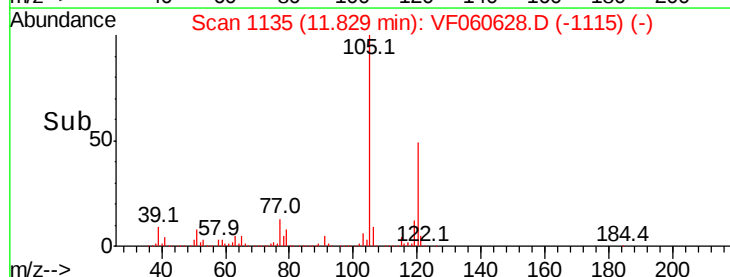
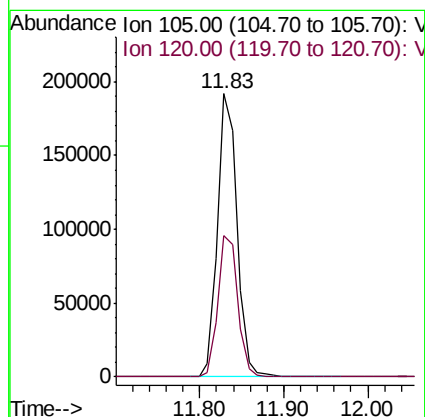
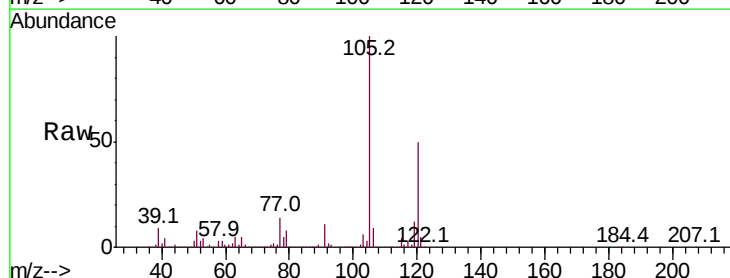
Acq: 7 Nov 2018 14:21

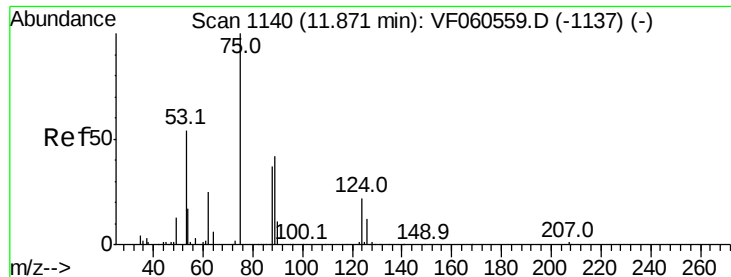
Tgt Ion: 105 Resp: 311246

Ion Ratio Lower Upper

105 100

120 49.8 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 23.802 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampled :

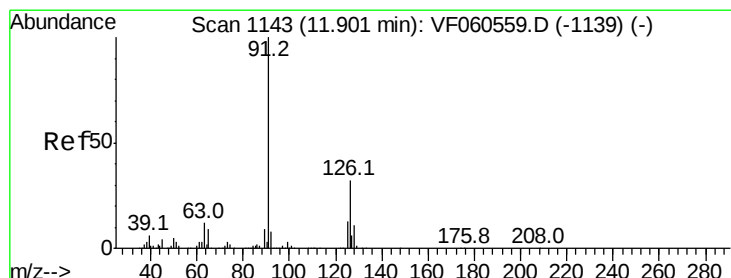
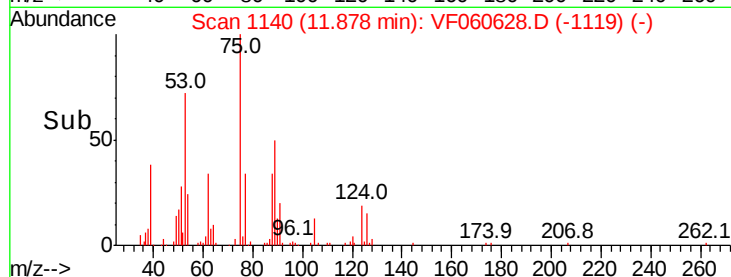
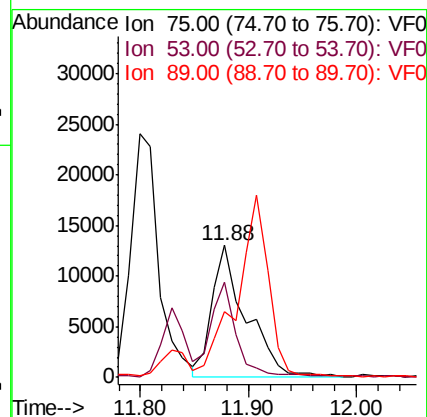
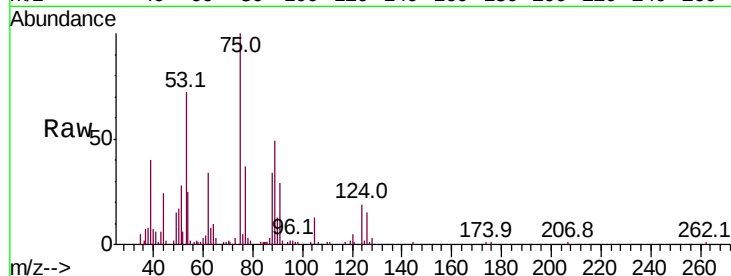
Tot Ion: 75 Resp: 28857

Ion Ratio Lower Upper

75 100

53 72.1 51.6 77.4

89 49.3 36.7 55.1



#82

4-Chlorotoluene

Concen: 21.953 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060628.D

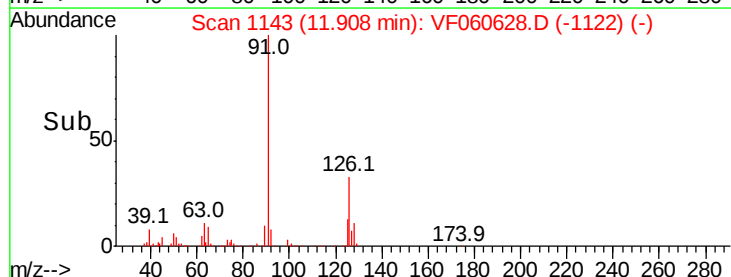
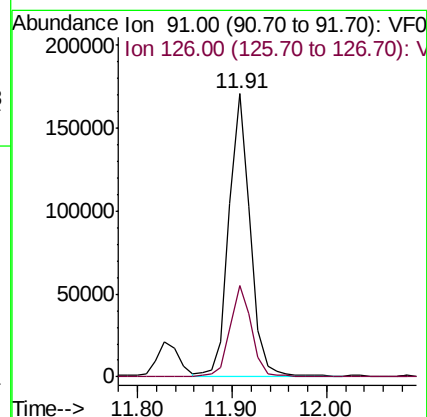
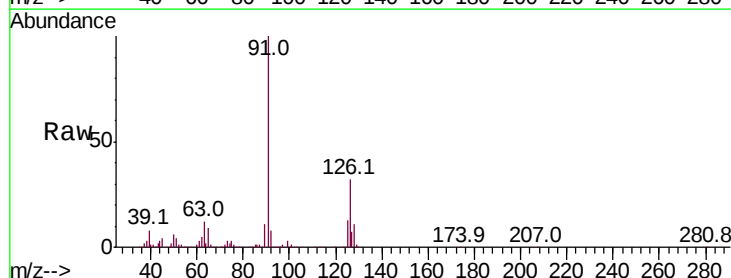
Acq: 7 Nov 2018 14:21

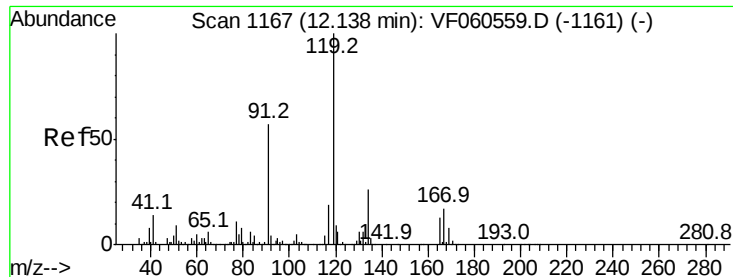
Tgt Ion: 91 Resp: 263191

Ion Ratio Lower Upper

91 100

126 32.4 15.9 47.7





#83

tert-Butylbenzene

Concen: 22.932 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

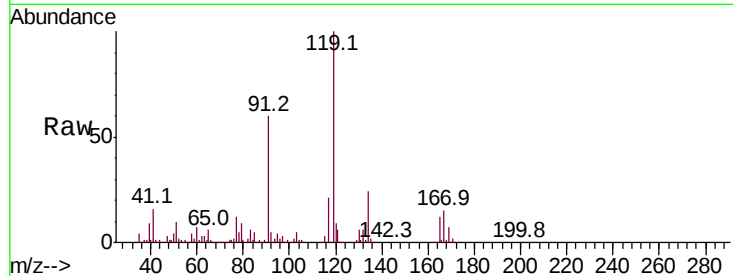
Tot Ion:119 Resp: 332082

Ion Ratio Lower Upper

119 100

91 59.9 28.8 86.4

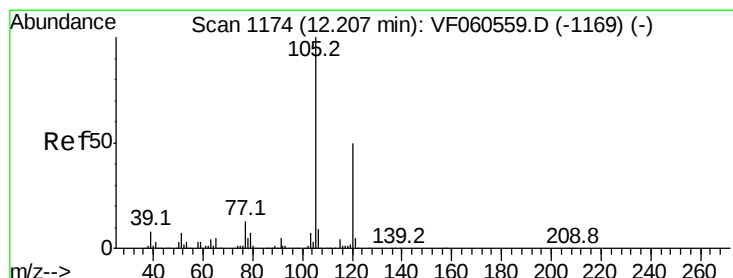
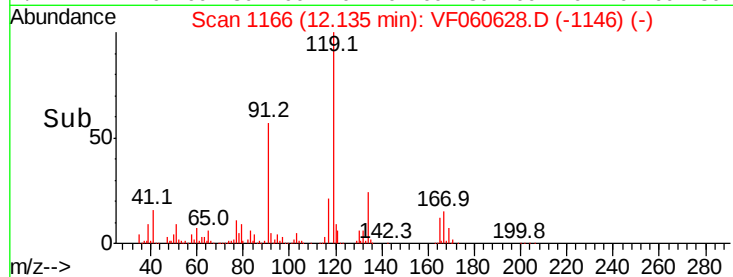
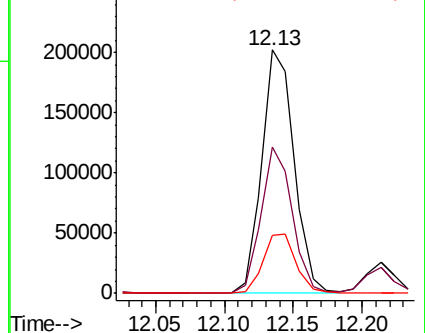
134 24.0 13.2 39.6



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: 22.218 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VF060628.D

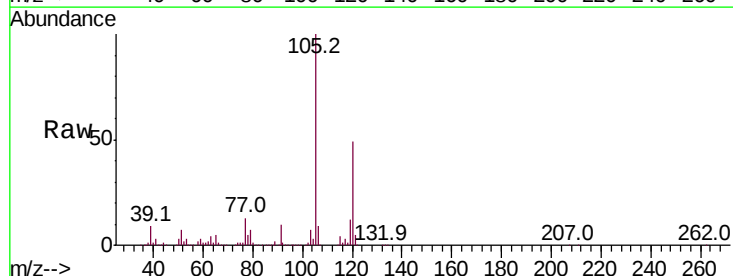
Acq: 7 Nov 2018 14:21

Tgt Ion:105 Resp: 308428

Ion Ratio Lower Upper

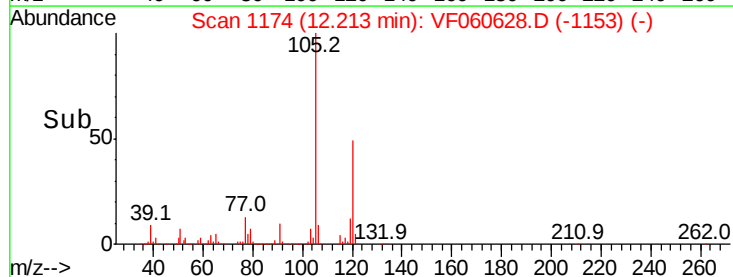
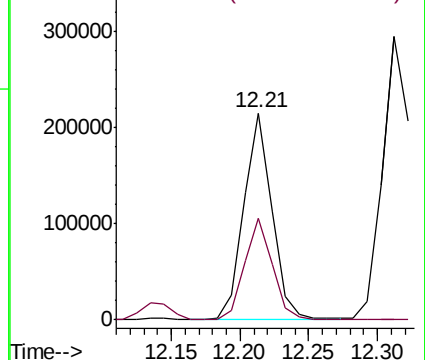
105 100

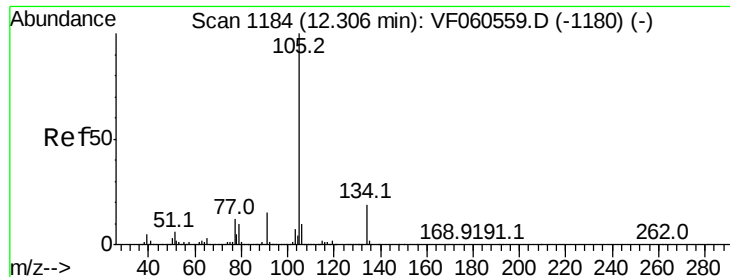
120 49.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.999 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

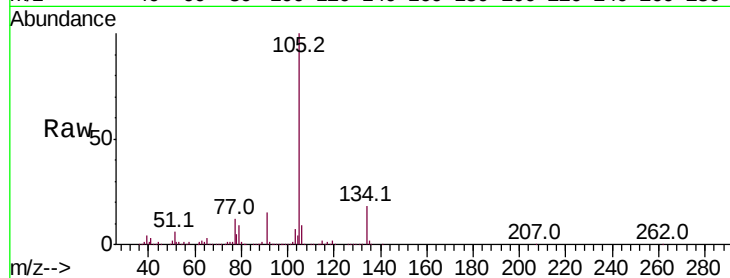
ClientSampleId :

Tot Ion:105 Resp: 438243

Ion Ratio Lower Upper

105 100

134 18.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.31

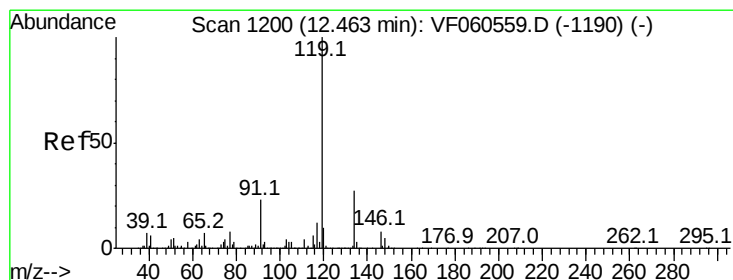
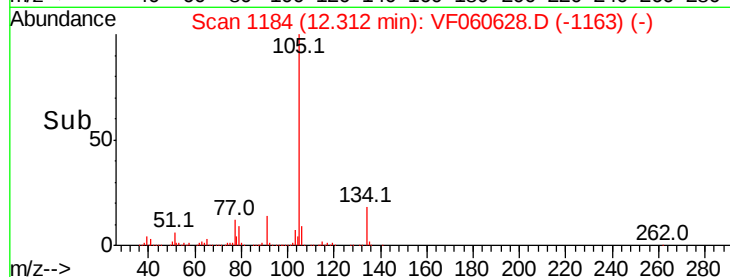
300000

200000

100000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 22.330 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

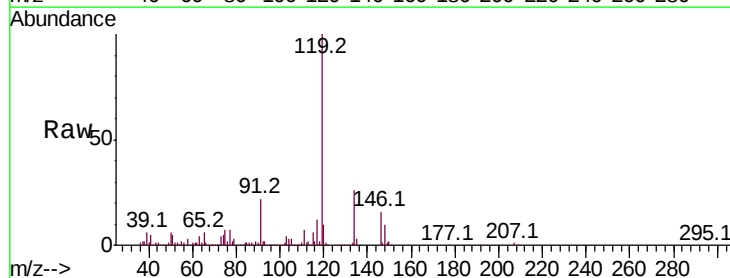
Tgt Ion:119 Resp: 366312

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.7

91 21.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.47

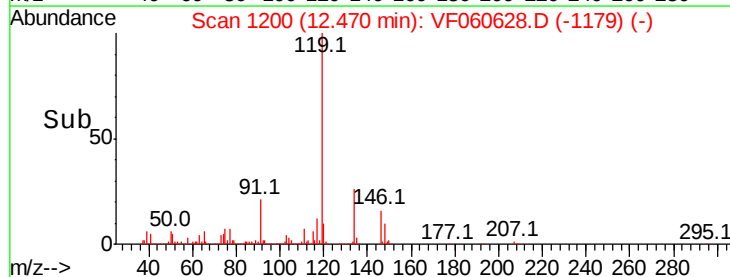
300000

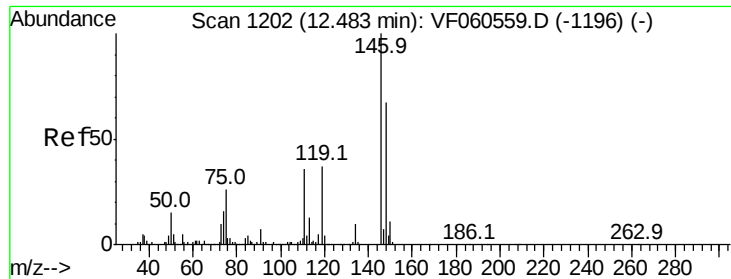
200000

100000

0

Time--> 12.30 12.40 12.50 12.60

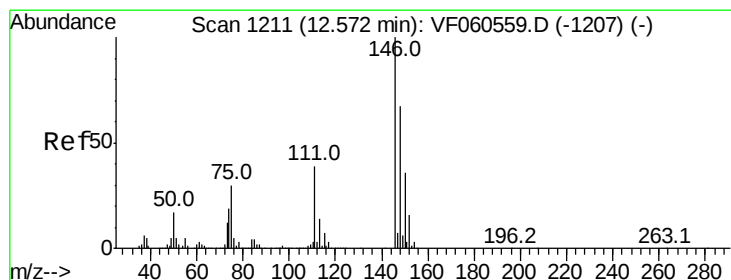
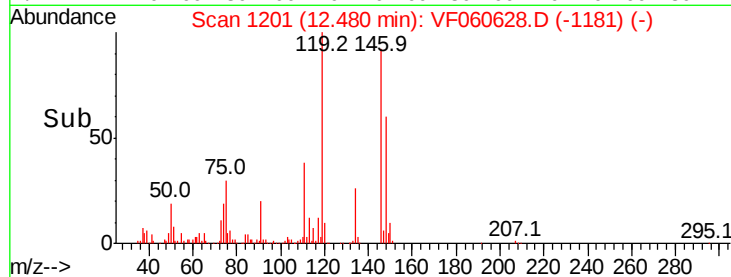
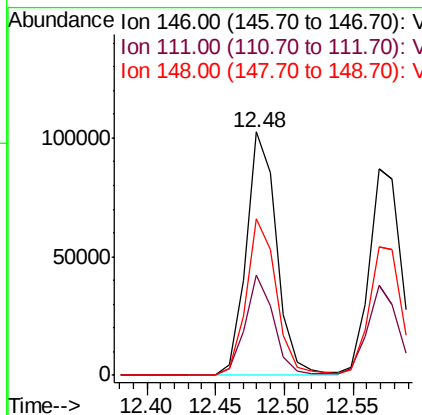
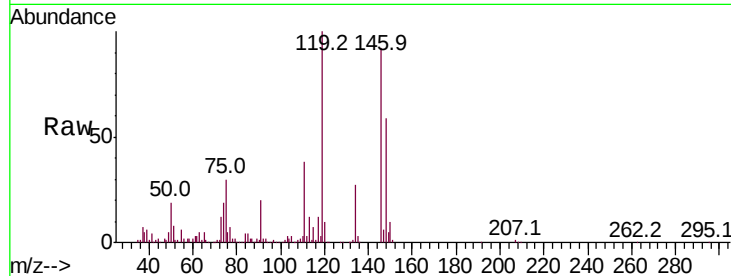




#87
 1,3-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

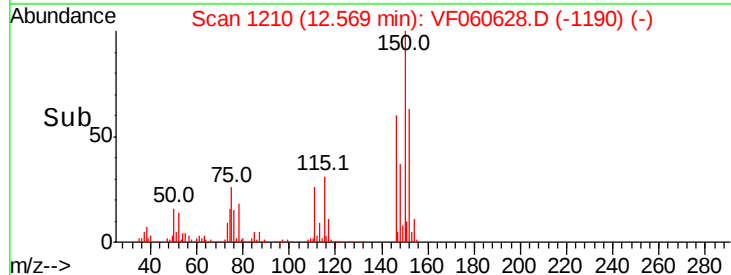
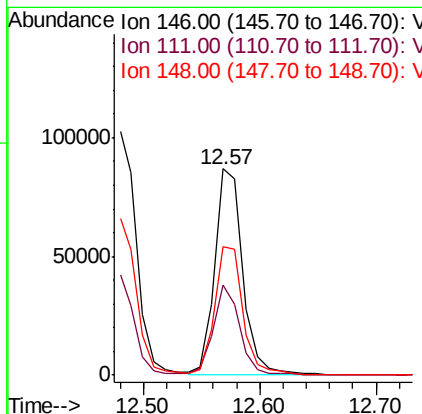
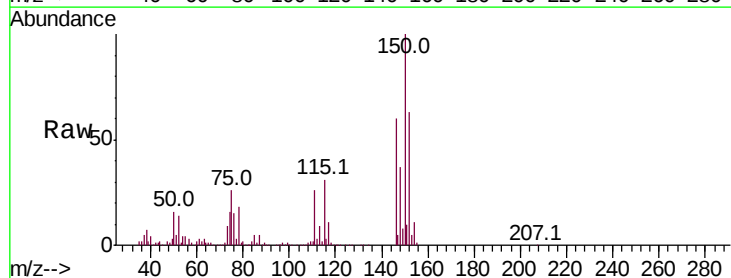
Instrument :
 MSVOA_F
 ClientSampleId :

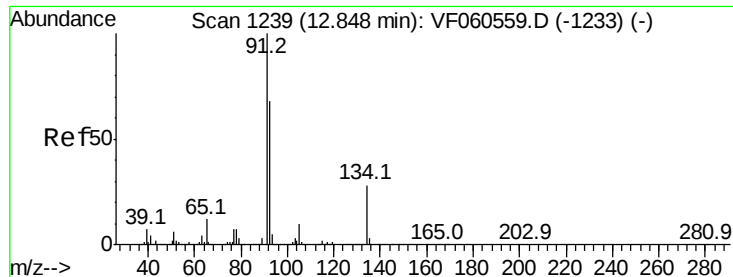
Tot Ion:146 Resp: 159206
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.3 54.8
 148 64.5 33.5 100.4



#88
 1,4-Dichlorobenzene
 Concen: 20.518 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion:146 Resp: 143736
 Ion Ratio Lower Upper
 146 100
 111 43.9 19.7 59.1
 148 62.6 33.7 101.1

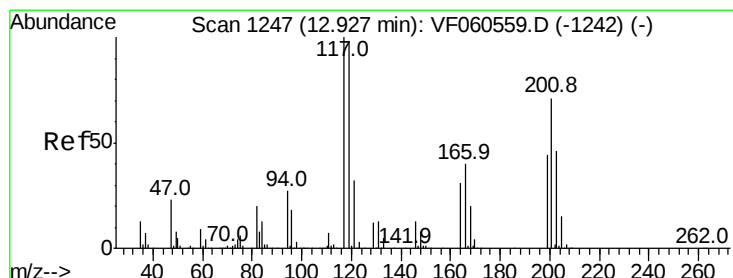
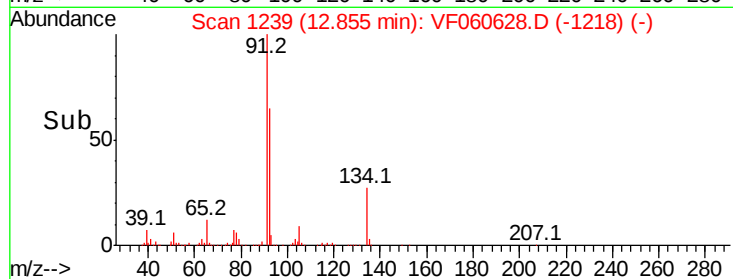
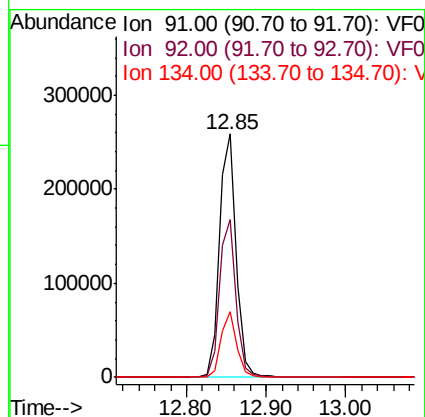
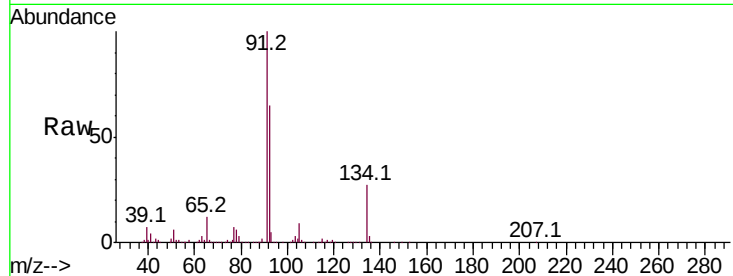




#89
n-Butylbenzene
Concen: 21.388 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

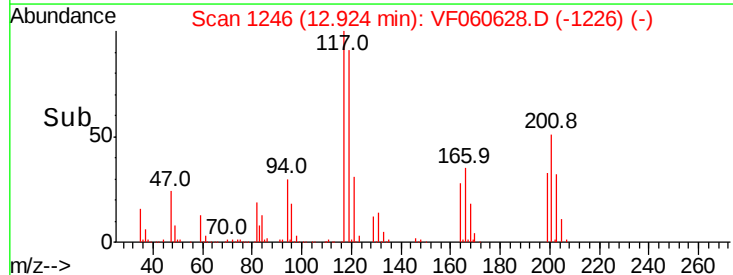
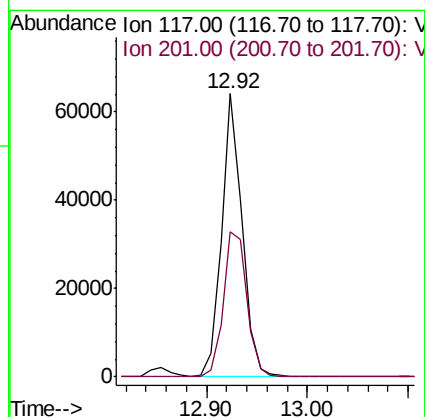
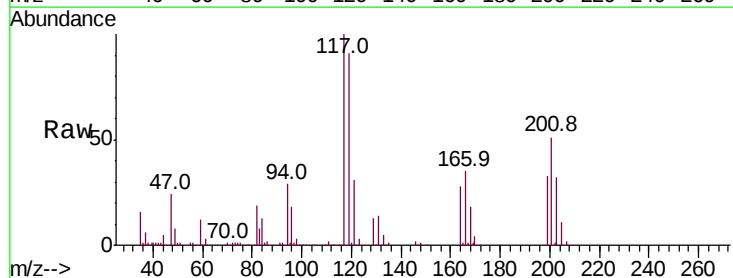
Instrument :
MSVOA_F
ClientSampled :

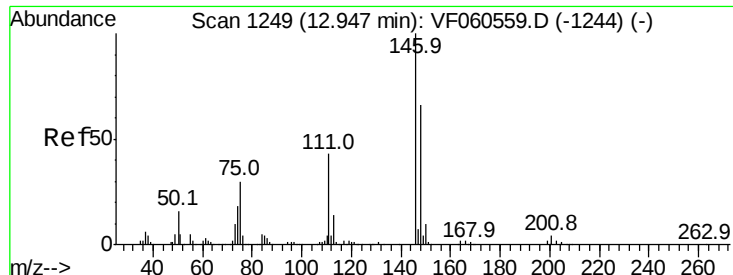
Tot Ion: 91 Resp: 381474
Ion Ratio Lower Upper
91 100
92 64.7 34.1 102.2
134 26.9 13.9 41.6



#90
Hexachloroethane
Concen: 21.871 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060628.D
Acq: 7 Nov 2018 14:21

Tgt Ion: 117 Resp: 91241
Ion Ratio Lower Upper
117 100
201 51.2 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 21.589 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

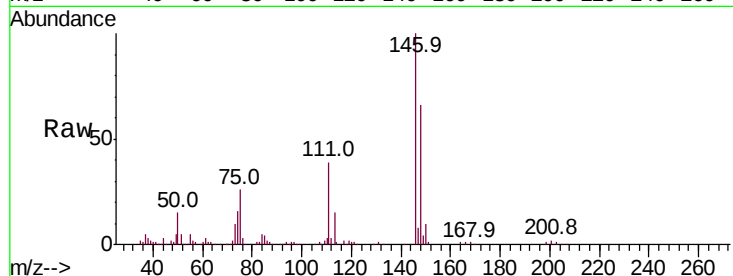
Tot Ion:146 Resp: 149177

Ion Ratio Lower Upper

146 100

111 39.3 21.3 64.0

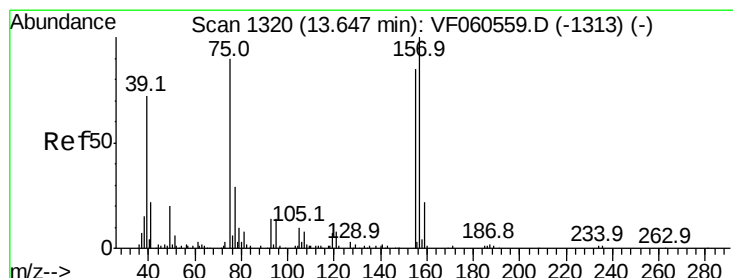
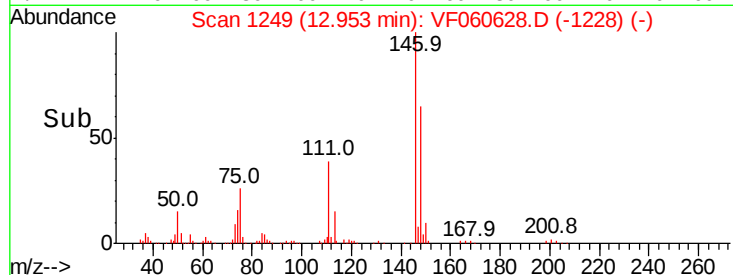
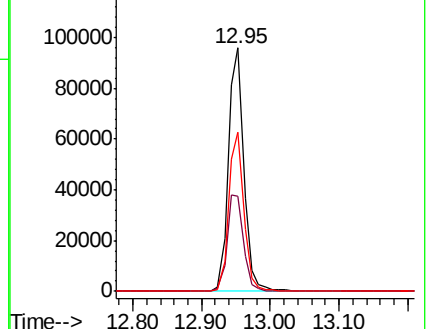
148 65.5 32.9 98.7



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: 19.107 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

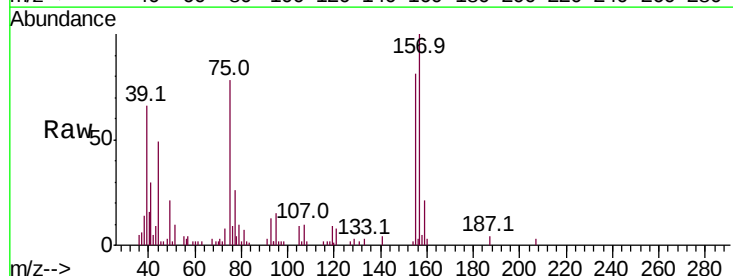
Tgt Ion: 75 Resp: 10420

Ion Ratio Lower Upper

75 100

155 104.6 47.3 141.8

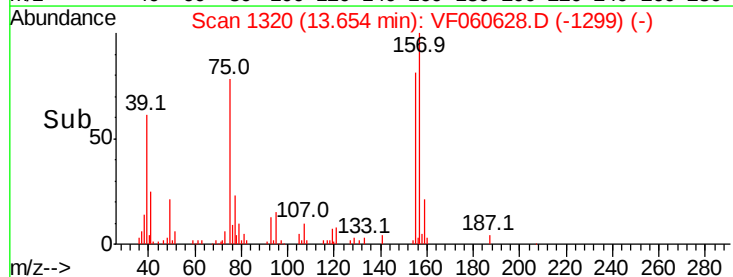
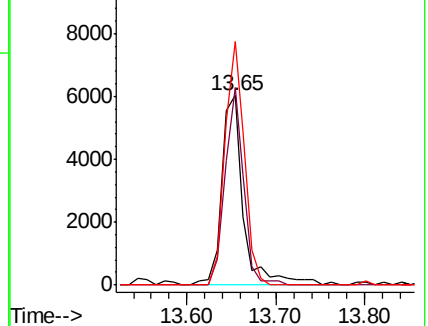
157 128.5 55.3 165.9

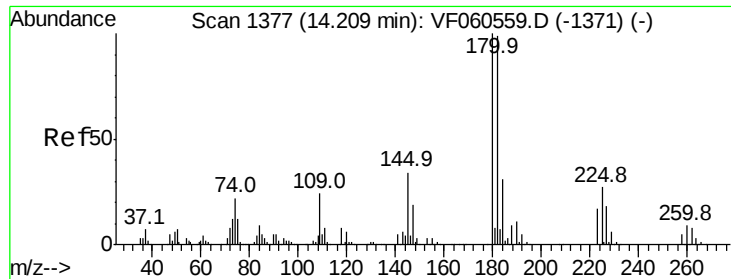


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

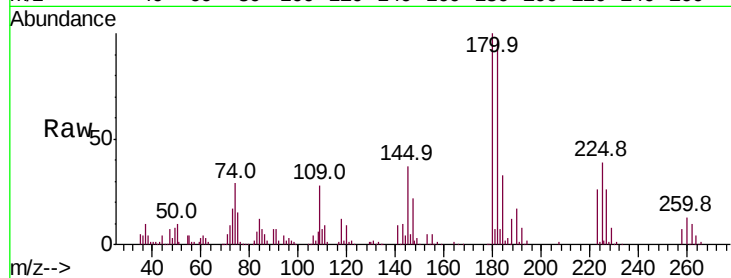




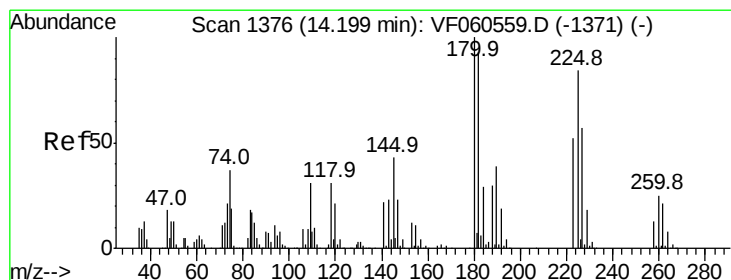
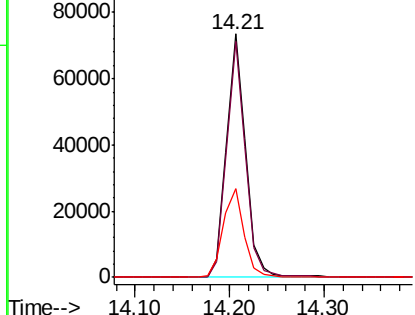
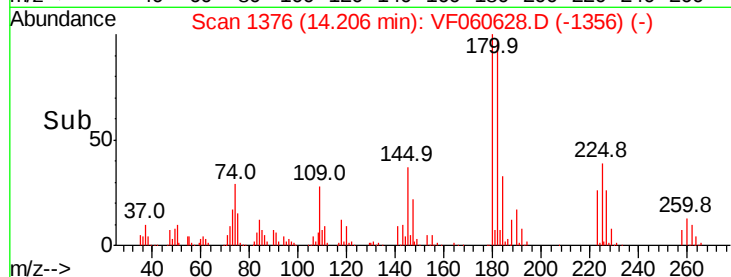
#93
 1,2,4-Trichlorobenzene
 Concen: 22.088 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 103688
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.7 149.1
 145 36.6 16.9 50.7

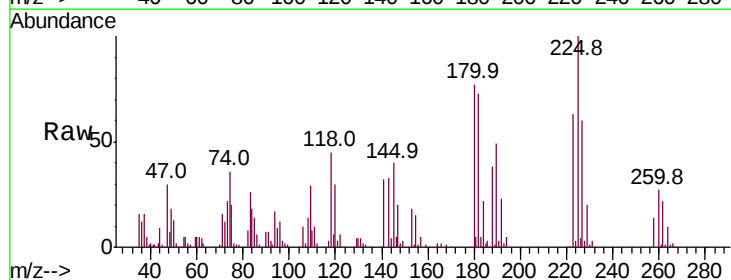


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

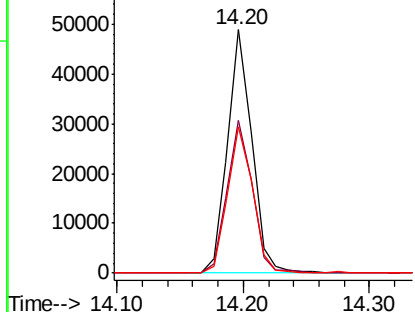
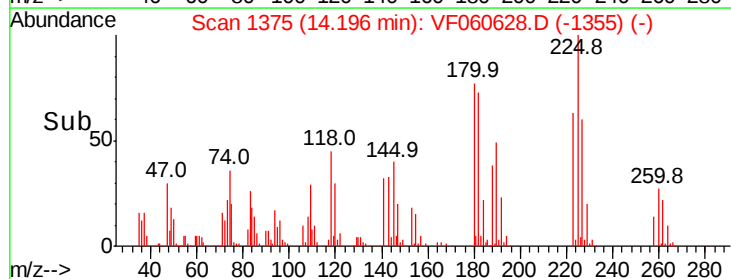


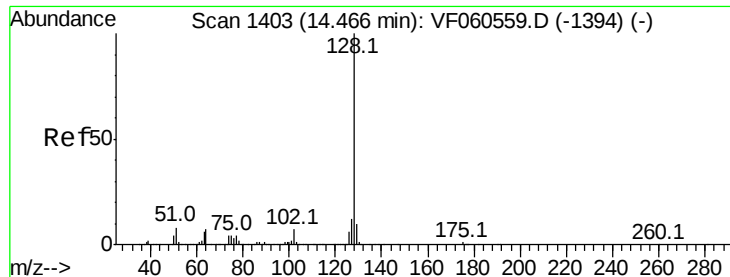
#94
 Hexachlorobutadiene
 Concen: 21.348 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF060628.D
 Acq: 7 Nov 2018 14:21

Tgt Ion:225 Resp: 64937
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.5
 227 60.3 33.9 101.6



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: 20.847 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

Instrument :

MSVOA_F

ClientSampleId :

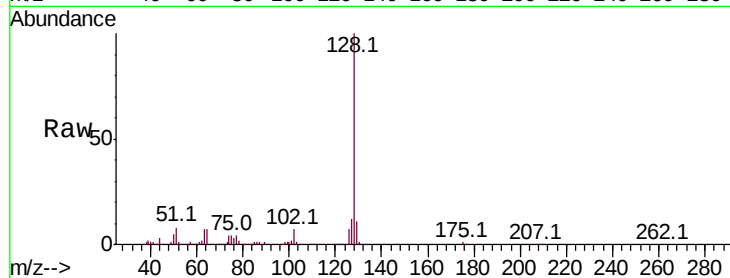
Tot Ion:128 Resp: 195874

Ion Ratio Lower Upper

128 100

127 12.5 9.4 14.0

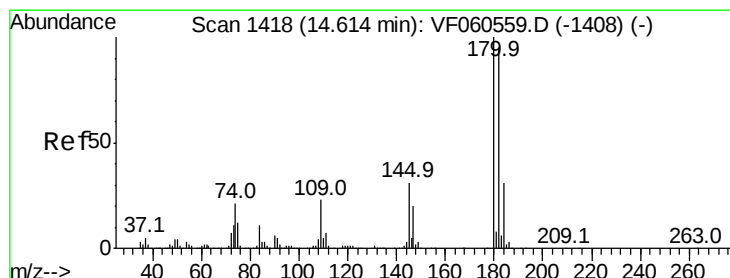
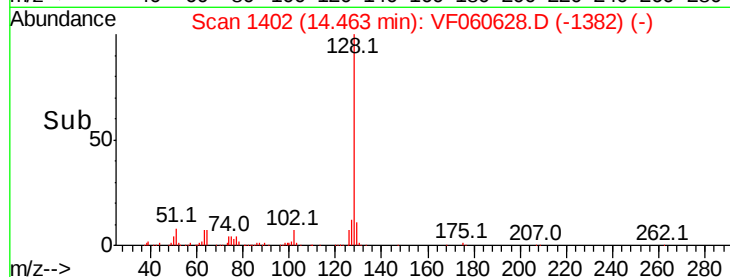
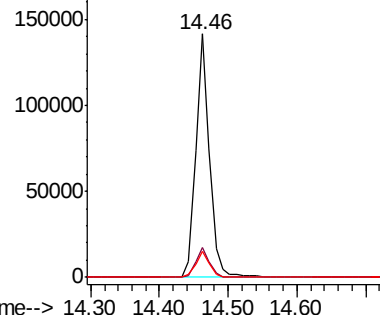
129 10.9 8.4 12.6



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: 21.221 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF060628.D

Acq: 7 Nov 2018 14:21

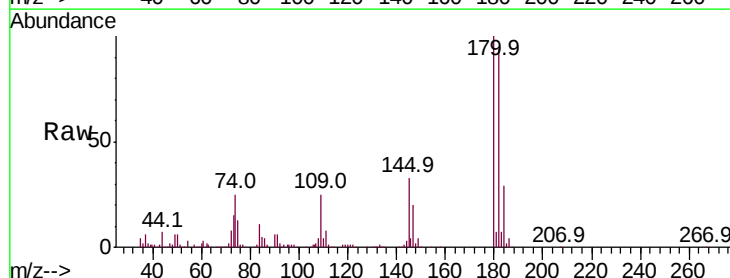
Tgt Ion:180 Resp: 94101

Ion Ratio Lower Upper

180 100

182 94.4 47.3 142.0

145 32.7 15.6 46.8



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

