

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060161.D
 Acq On : 28 Aug 2018 20:25
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:47 AM

Quant Time: Aug 29 04:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	97044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	119810	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	107152	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	55917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	36811	27.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	55.44%	
35) Dibromofluoromethane	4.28	113	40919	43.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.98%	
50) Toluene-d8	7.70	98	124750	46.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.51	95	53565	37.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	34389	26.92	ug/l	93
3) Chloromethane	1.08	50	14771	15.24	ug/l	100
4) Vinyl Chloride	1.13	62	14379	18.13	ug/l	95
5) Bromomethane	1.32	94	8005	13.28	ug/l	99
6) Chloroethane	1.40	64	10868	34.76	ug/l	91
7) Trichlorofluoromethane	1.48	101	68546	42.97	ug/l	92
8) Diethyl Ether	1.70	74	3751	13.15	ug/l	49
9) 1,1,2-Trichlorotrifluoroet	1.86	101	30427	36.34	ug/l	93
10) Methyl Iodide	1.93	142	18548	16.75	ug/l	96
11) Tert butyl alcohol	2.62	59	1684	23.83	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	20816	33.74	ug/l	97
13) Acrolein	2.08	56	782	42.53	ug/l #	72
14) Allyl chloride	2.18	41	17848	16.29	ug/l #	93
15) Acrylonitrile	3.05	53	4345	31.16	ug/l #	81
16) Acetone	2.31	43	10501	30.08	ug/l	94
17) Carbon Disulfide	1.85	76	57673	29.86	ug/l	95
18) Methyl Acetate	2.43	43	4730m	4.16	ug/l	
19) Methyl tert-butyl Ether	2.51	73	19466	9.85	ug/l	98
20) Methylene Chloride	2.28	84	13014	15.38	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	18055	26.16	ug/l	92
22) Diisopropyl ether	2.89	45	32342	13.18	ug/l #	89
23) Vinyl Acetate	3.31	43	47139	36.27	ug/l #	91
24) 1,1-Dichloroethane	2.99	63	31950	21.08	ug/l	96
25) 2-Butanone	4.47	43	10363m	22.86	ug/l	
26) 2,2-Dichloropropane	3.75	77	19933	12.71	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	13424	13.72	ug/l	91
28) Bromochloromethane	3.87	49	7808	12.20	ug/l #	75
29) Tetrahydrofuran	4.22	42	4941	28.86	ug/l	92
30) Chloroform	4.02	83	36758	17.28	ug/l	96
31) Cyclohexane	3.86	56	26789	23.20	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	46736	25.65	ug/l	90
36) 1,1-Dichloropropene	4.45	75	32409	28.78	ug/l	96
37) Ethyl Acetate	4.26	43	5797	8.61	ug/l #	1
38) Carbon Tetrachloride	4.16	117	43331m	33.24	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	31253	29.60	ug/l	91
40) Benzene	4.79	78	49338	20.06	ug/l	97
41) Methacrylonitrile	4.88	41	2941	8.64	ug/l #	67
42) 1,2-Dichloroethane	5.10	62	19603	14.86	ug/l	98
43) Isopropyl Acetate	7.09	43	6928	8.17	ug/l #	91
44) Trichloroethene	5.66	130	20223	24.87	ug/l	87
45) 1,2-Dichloropropane	6.39	63	10436	15.00	ug/l	96
46) Dibromomethane	6.24	93	6351	11.67	ug/l #	87
47) Bromodichloromethane	6.54	83	21989	16.72	ug/l	93
48) Methyl methacrylate	6.85	41	5029	8.97	ug/l	90
49) 1,4-Dioxane	6.83	88	794	147.48	ug/l #	47
51) 4-Methyl-2-Pentanone	8.39	43	30697	41.94	ug/l	89
52) Toluene	7.77	92	39306	22.11	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	13544	11.36	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	16351	12.29	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	7927	11.94	ug/l #	82
56) Ethyl methacrylate	8.75	69	6875	8.56	ug/l	94
57) 1,3-Dichloropropane	8.99	76	13537	11.61	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.77	63	7807	122.44	ug/l	100
59) 2-Hexanone	9.62	43	21581	36.43	ug/l	98
60) Dibromochloromethane	8.85	129	12430	12.69	ug/l	91
61) 1,2-Dibromoethane	9.13	107	8233	10.56	ug/l #	78
64) Tetrachloroethene	8.30	164	24576	34.05	ug/l	88
65) Chlorobenzene	9.93	112	46267	22.87	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	15906	20.73	ug/l	92
67) Ethyl Benzene	10.04	91	99543	28.51	ug/l	97
68) m/p-Xylenes	10.26	106	70380	57.68	ug/l	93
69) o-Xylene	10.83	106	33204	24.28	ug/l	88
70) Styrene	10.90	104	43691	20.82	ug/l	89
71) Bromoform	10.89	173	6548	12.23	ug/l	80
73) Isopropylbenzene	11.22	105	117077	34.78	ug/l	94
74) N-amyl acetate	11.46	43	10373	9.91	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	9485	12.90	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	8443	14.81	ug/l	100
77) Bromobenzene	11.59	156	20707	22.62	ug/l	98
78) n-propylbenzene	11.68	91	147851	35.59	ug/l	99
79) 2-Chlorotoluene	11.81	91	72575	29.71	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	97631	33.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	2910m	11.16	ug/l	
82) 4-Chlorotoluene	11.98	91	74648	28.15	ug/l	94
83) tert-Butylbenzene	12.21	119	97894	34.23	ug/l	81
84) 1,2,4-Trimethylbenzene	12.29	105	89577	28.73	ug/l	95
85) sec-Butylbenzene	12.38	105	145377	36.51	ug/l	99
86) p-Isopropyltoluene	12.53	119	114959	34.80	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	41508	24.52	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	40635	24.16	ug/l	95
89) n-Butylbenzene	12.92	91	102881	32.06	ug/l	99
90) Hexachloroethane	12.99	117	24866	33.50	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	34407	21.14	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2058	13.70	ug/l	53

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	19616	16.37	ug/l	97
94) Hexachlorobutadiene	14.26	225	27630	37.04	ug/l	93
95) Naphthalene	14.52	128	14301	8.85	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.66	180	16509	14.44	ug/l	88

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

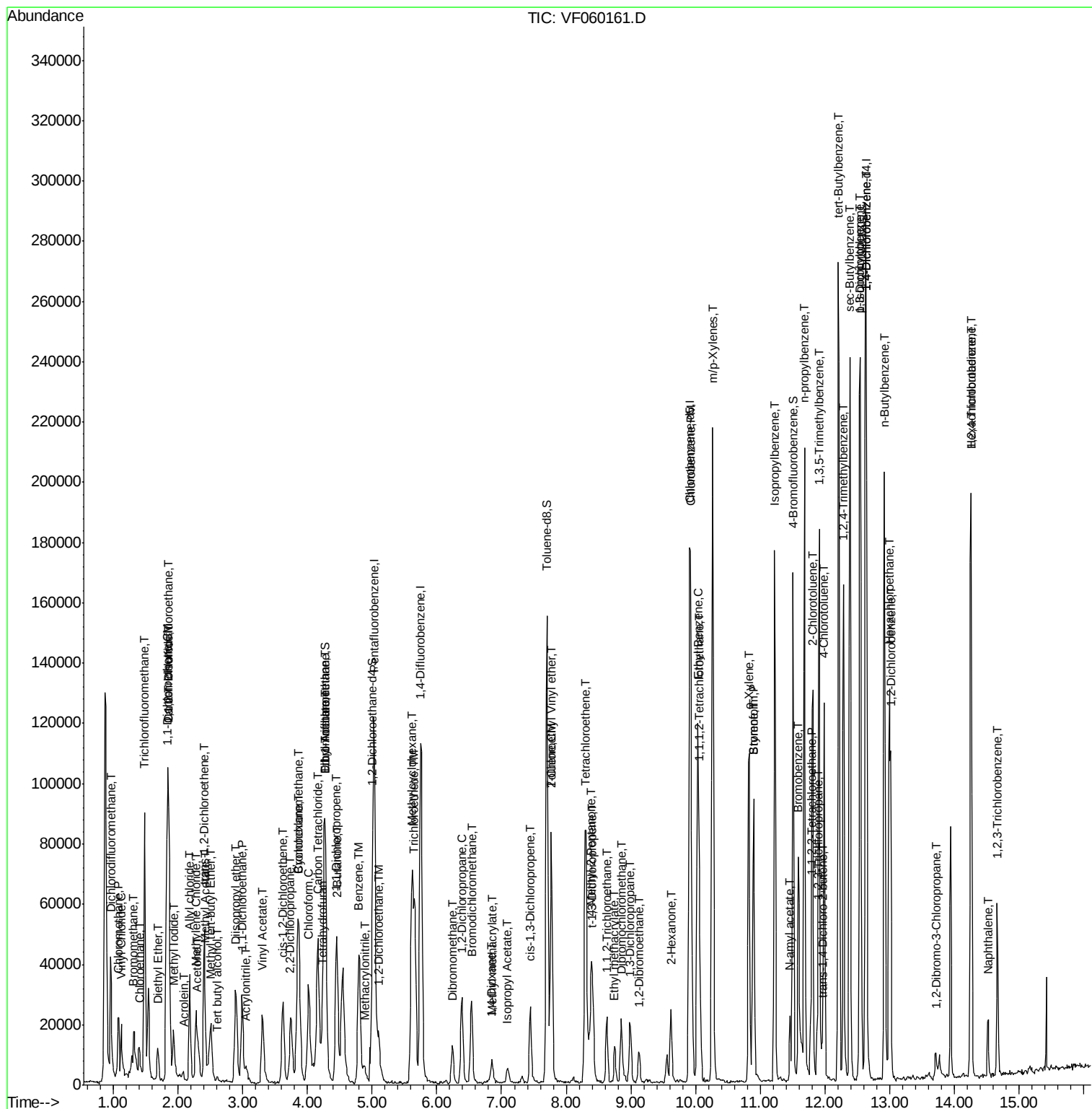
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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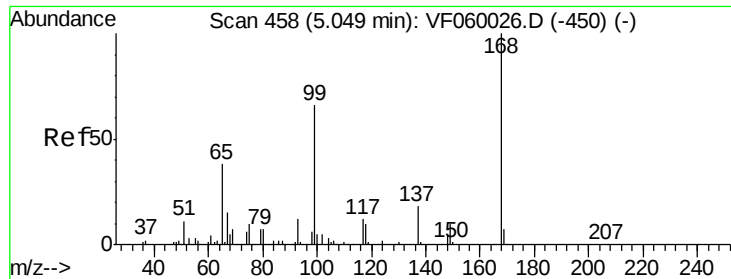
Instrument :
MSVOA_F
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:168 Resp: 97044

Ion Ratio Lower Upper

168 100

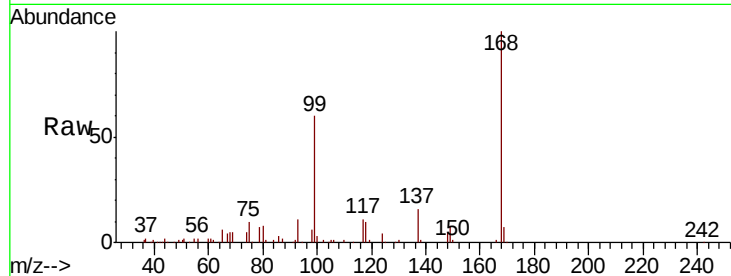
99 60.0 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

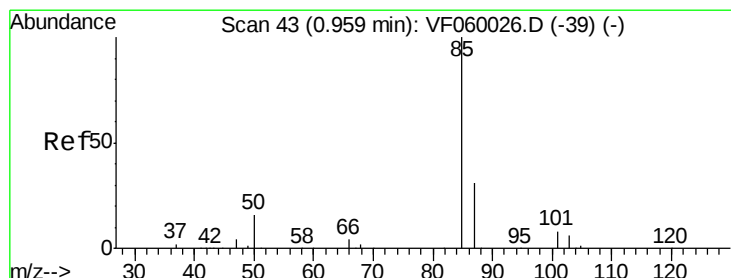
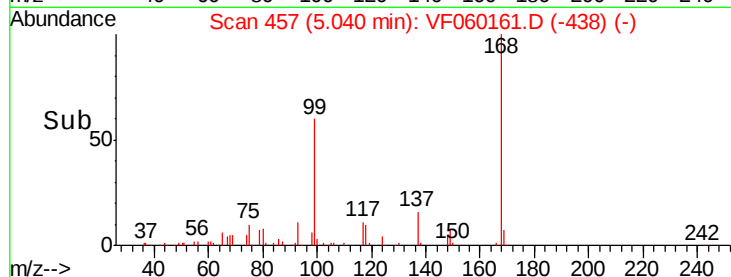
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.92 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060161.D

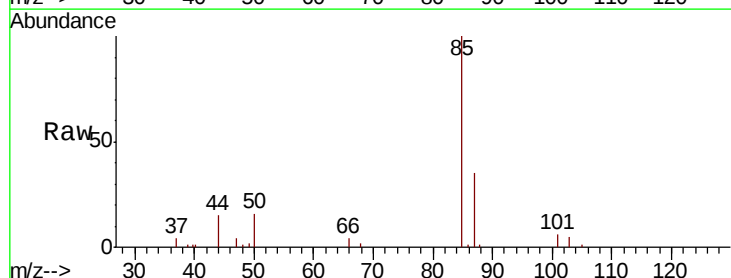
Acq: 28 Aug 2018 20:25

Tgt Ion: 85 Resp: 34389

Ion Ratio Lower Upper

85 100

87 34.5 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

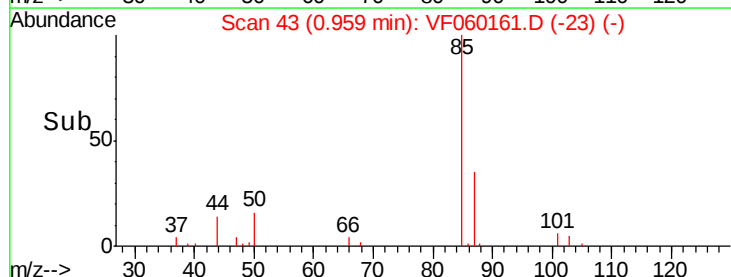
15000

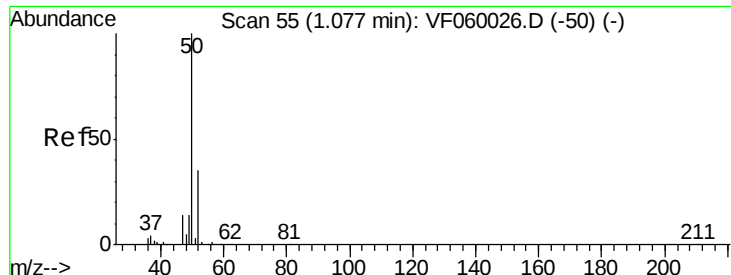
10000

5000

0

Time-->





#3

Chloromethane

Concen: 15.24 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 50 Resp: 14771

Ion Ratio Lower Upper

50 100

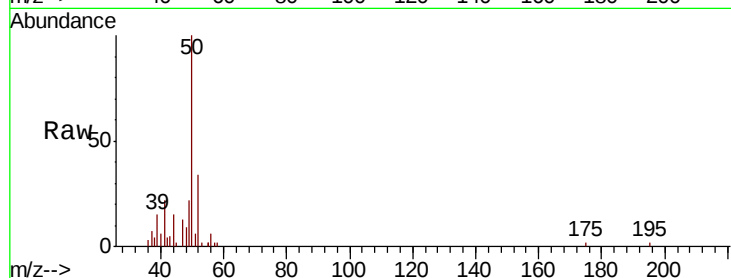
52 34.3 27.6 41.4

Manual Integrations

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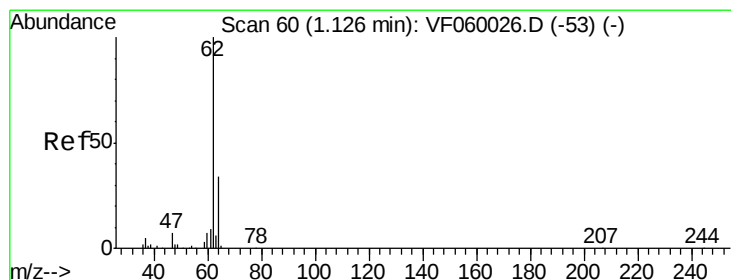
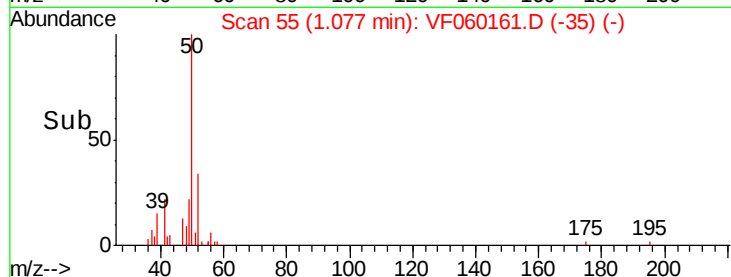
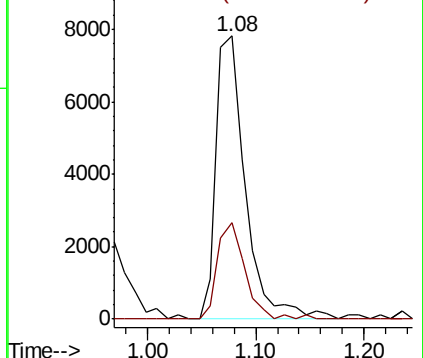
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.13 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060161.D

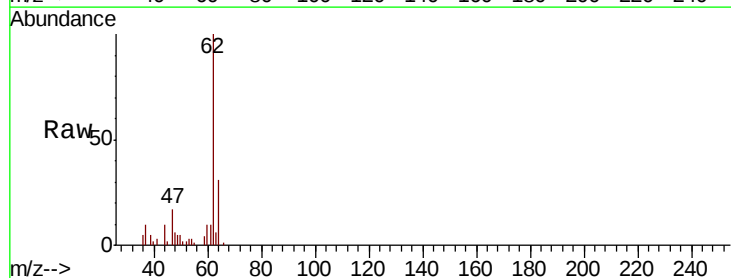
Acq: 28 Aug 2018 20:25

Tgt Ion: 62 Resp: 14379

Ion Ratio Lower Upper

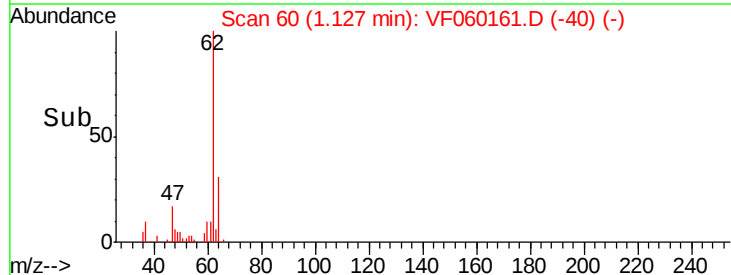
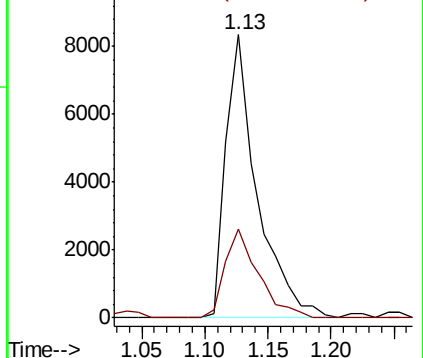
62 100

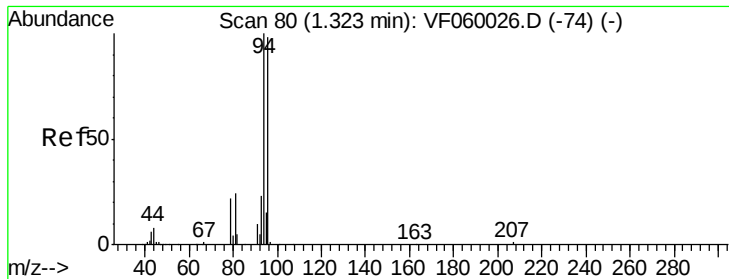
64 31.2 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 13.28 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 94 Resp: 8005

Ion Ratio Lower Upper

94 100

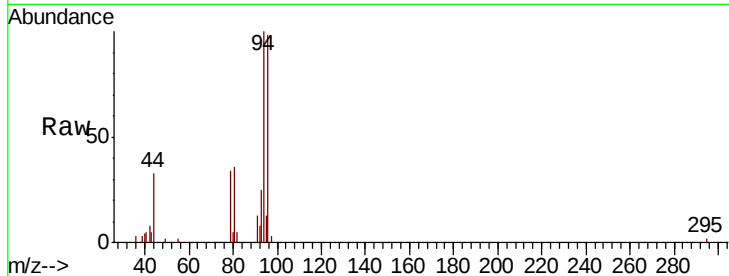
96 97.8 78.6 118.0

Manual Integrations

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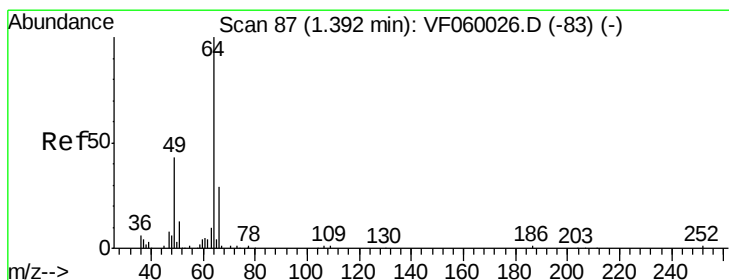
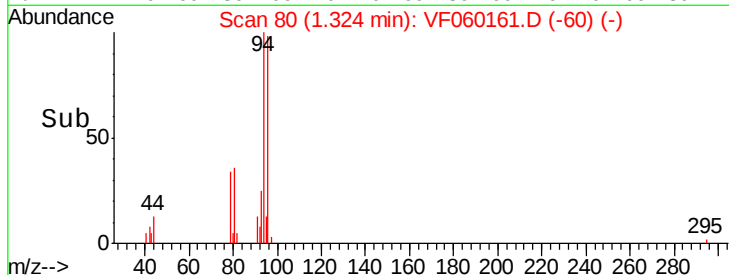
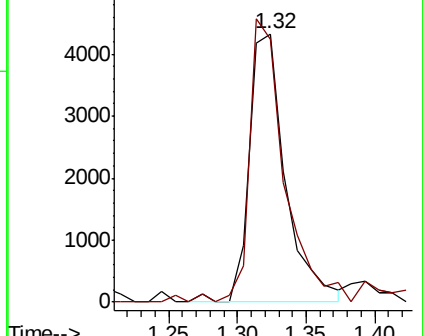
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 34.76 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060161.D

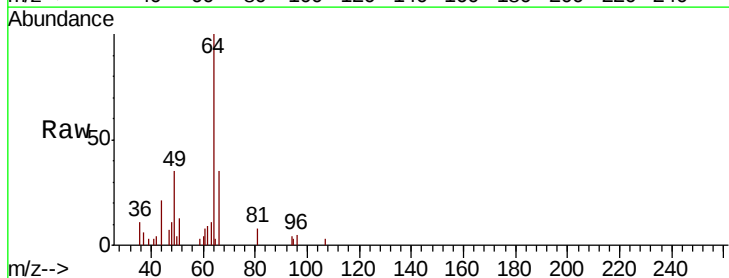
Acq: 28 Aug 2018 20:25

Tgt Ion: 64 Resp: 10868

Ion Ratio Lower Upper

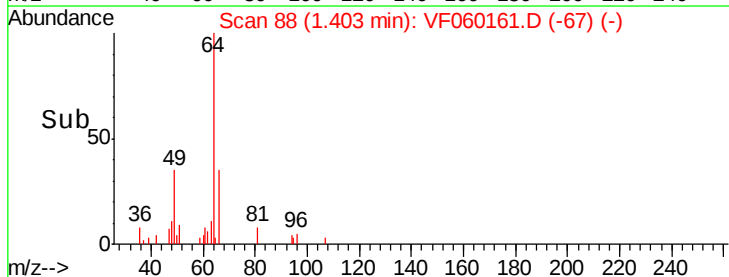
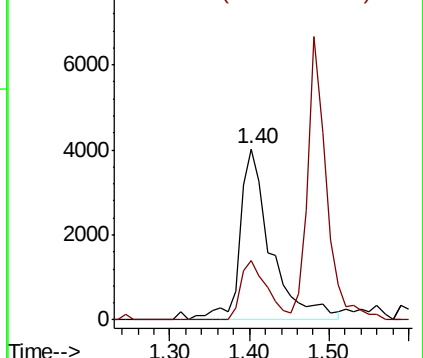
64 100

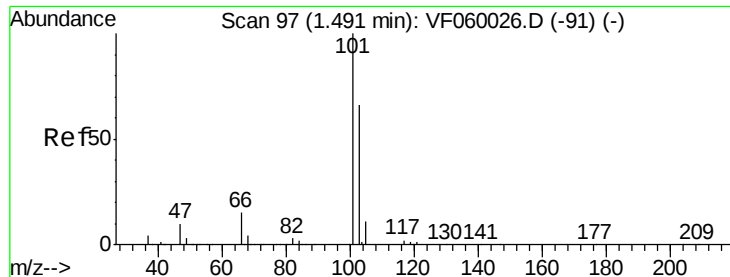
66 34.9 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

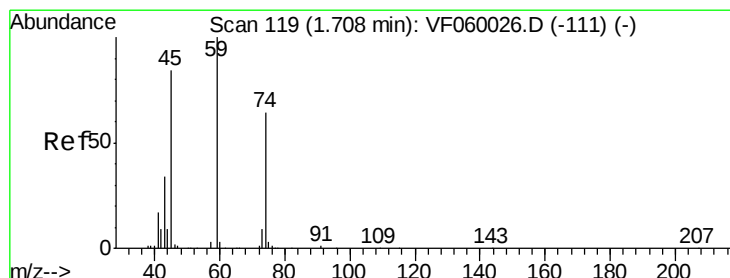
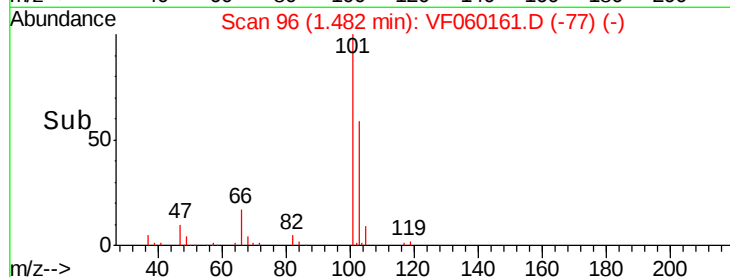
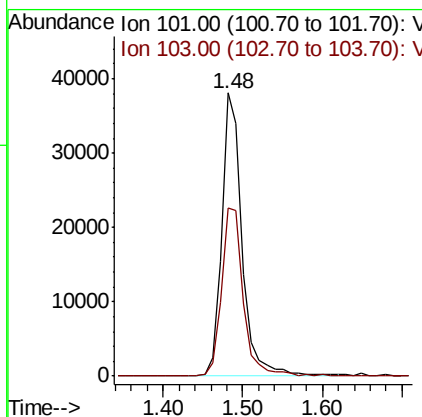
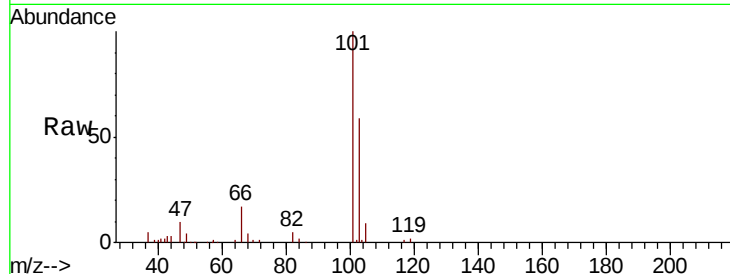
Trichlorofluoromethane
 Concen: 42.97 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
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 VF0828SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		68546		
103	59.4	52.5	78.7		

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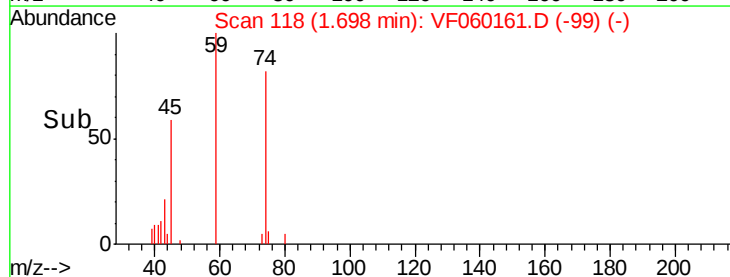
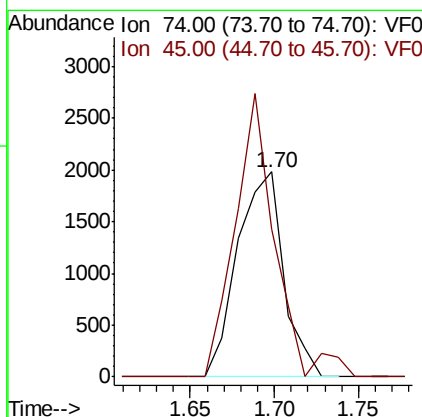
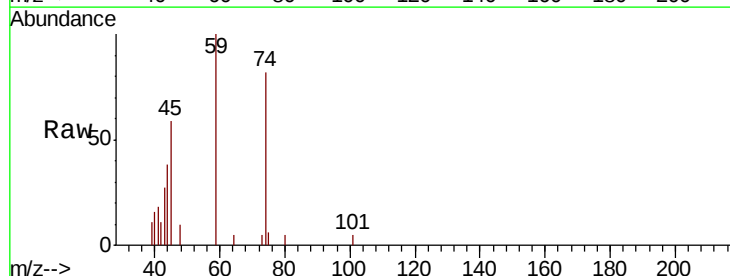
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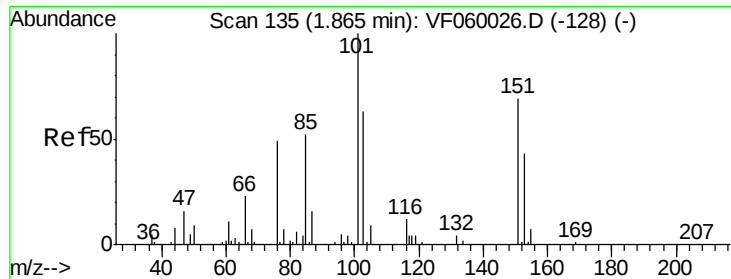


#8

Diethyl Ether
 Concen: 13.15 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		3751		
45	71.9	66.0	198.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.34 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

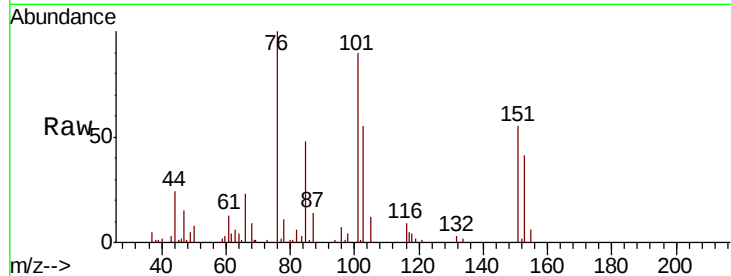
ClientSampleId :

VF0828SBS01

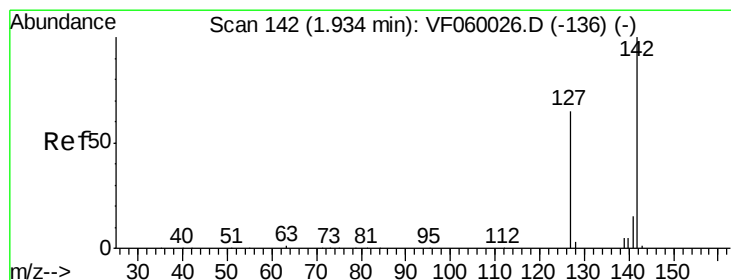
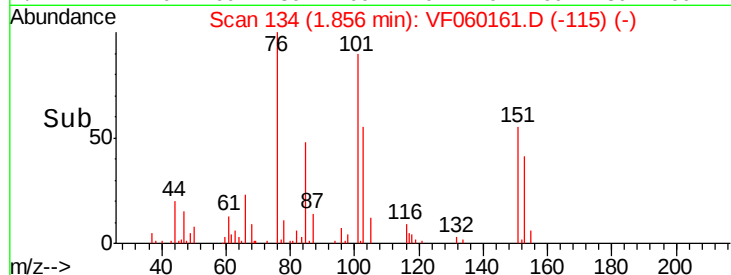
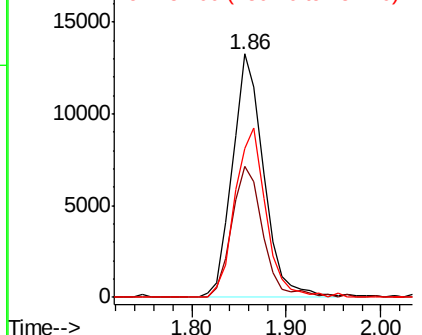
Tot Ion:	101	Resp:	30427
Ion Ratio	Lower	Upper	
101	100		
85	53.9	41.5	62.3
151	61.0	55.2	82.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.75 ug/l

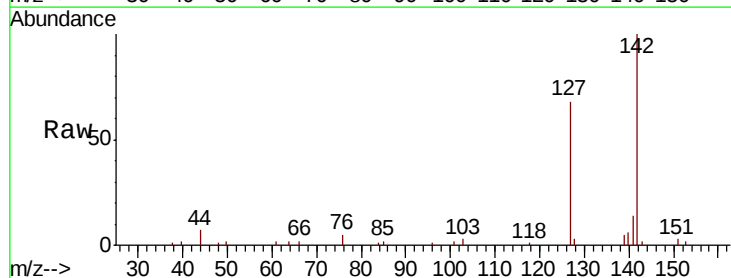
RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

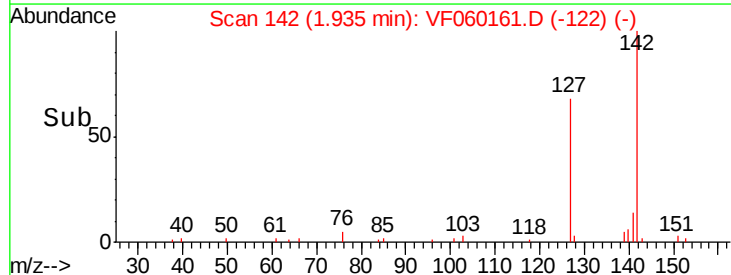
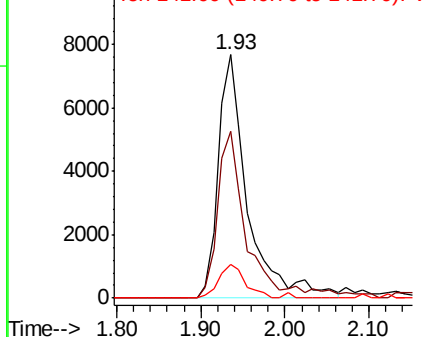
Lab File: VF060161.D

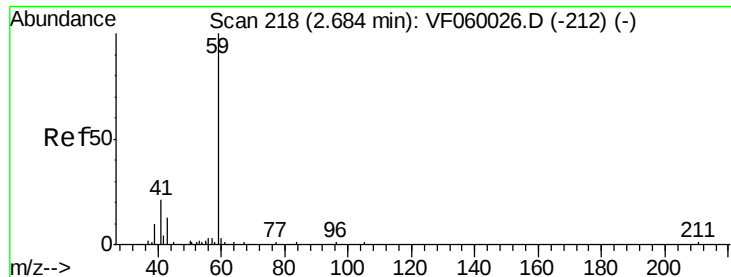
Acq: 28 Aug 2018 20:25

Tgt Ion:	142	Resp:	18548
Ion Ratio	Lower	Upper	
142	100		
127	68.5	51.8	77.6
141	13.8	11.9	17.9



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

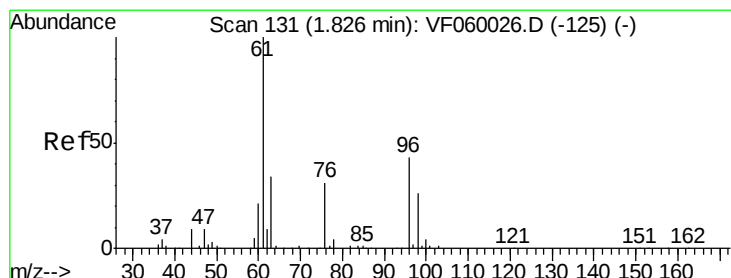
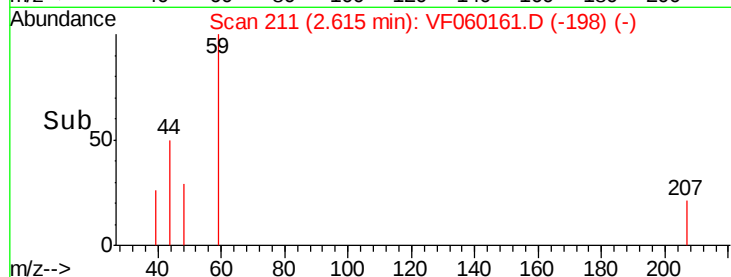
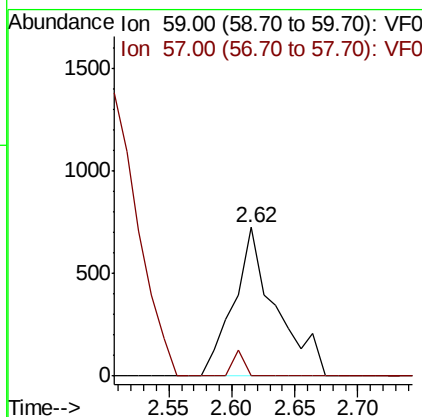
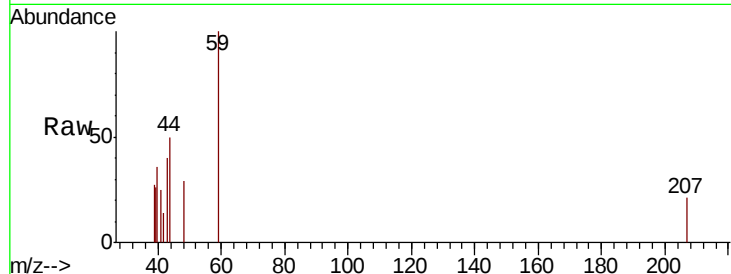
Tert butyl alcohol
Concen: 23.83 ug/l
RT: 2.62 min Scan# 211
Delta R.T. -0.07 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.4	8.2#

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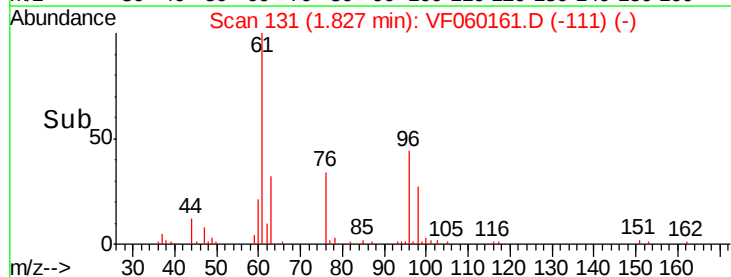
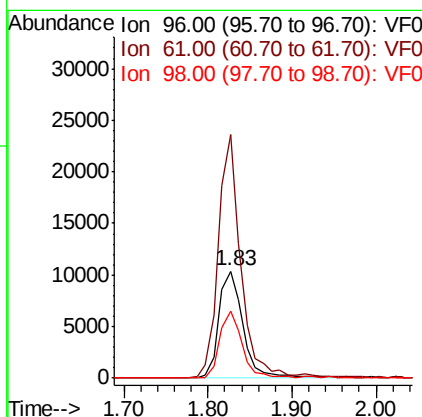
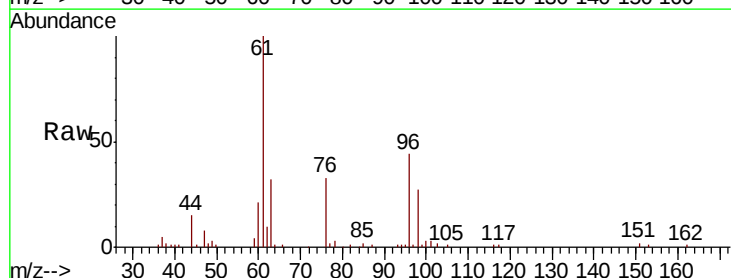
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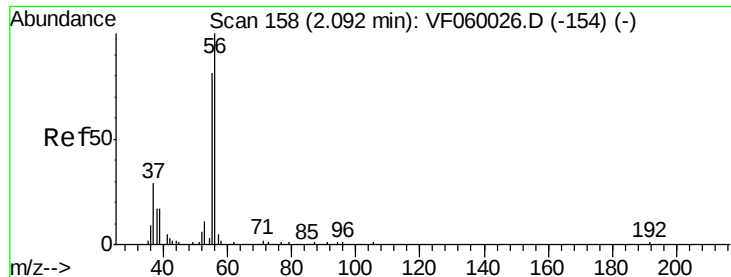


#12

1,1-Dichloroethene
Concen: 33.74 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	227.4	185.0	277.6
98	62.2	47.8	71.8





#13

Acrolein

Concen: 42.53 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 56 Resp: 782

Ion Ratio Lower Upper

56 100

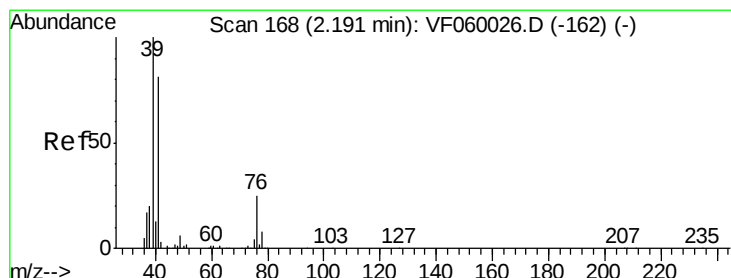
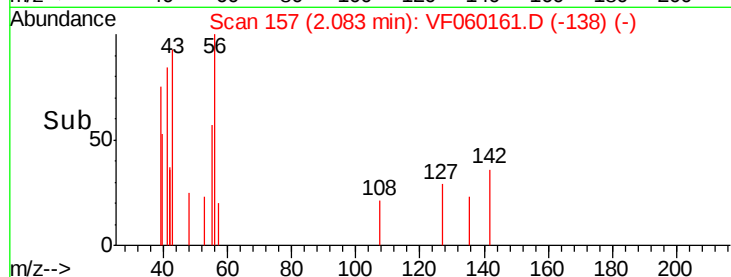
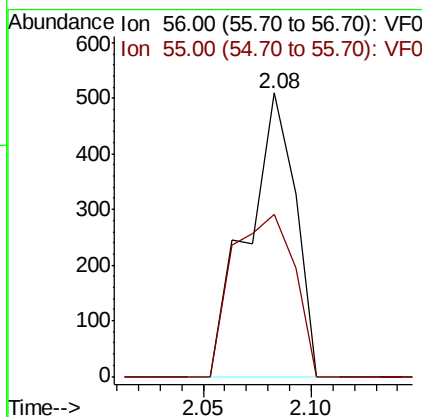
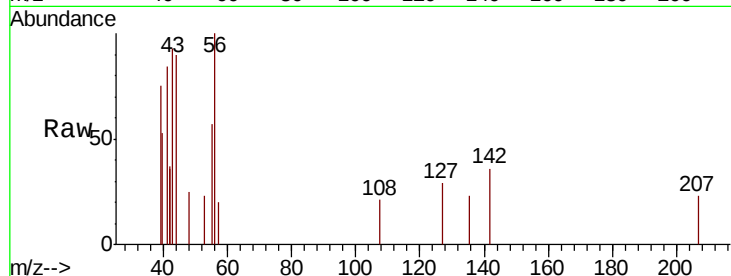
55 57.2 65.6 98.4#

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#14

Allyl chloride

Concen: 16.29 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

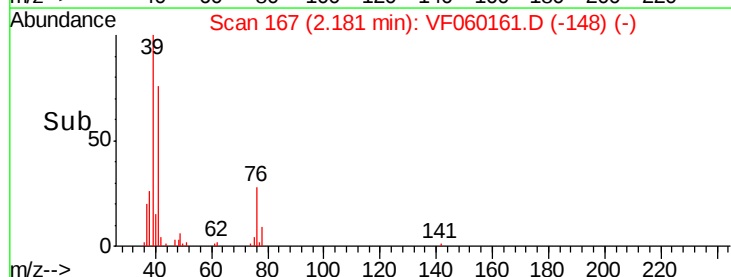
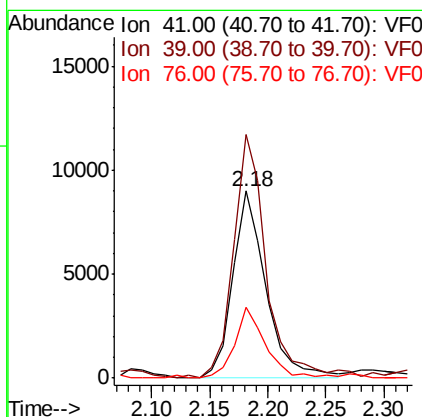
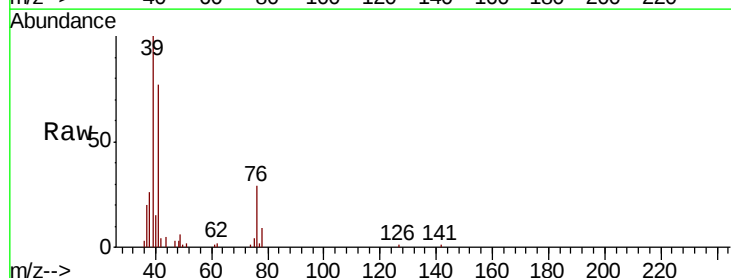
Tgt Ion: 41 Resp: 17848

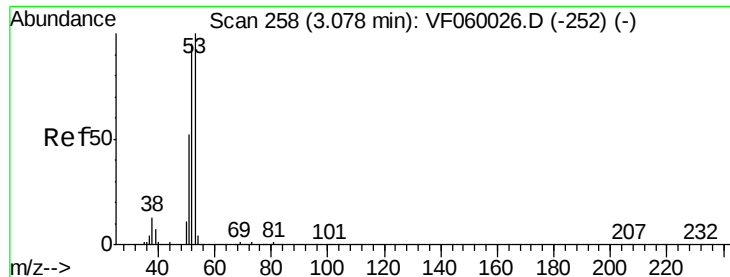
Ion Ratio Lower Upper

41 100

39 130.3 99.3 148.9

76 37.7 24.3 36.5#





#15

Acrylonitrile

Concen: 31.16 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

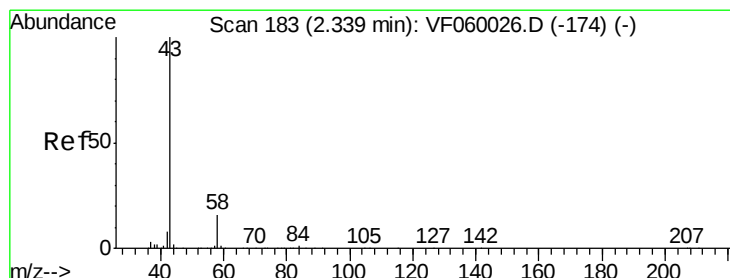
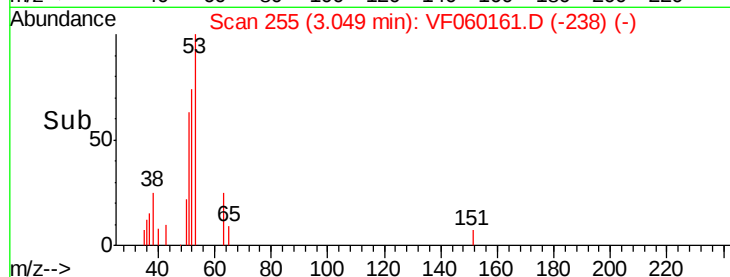
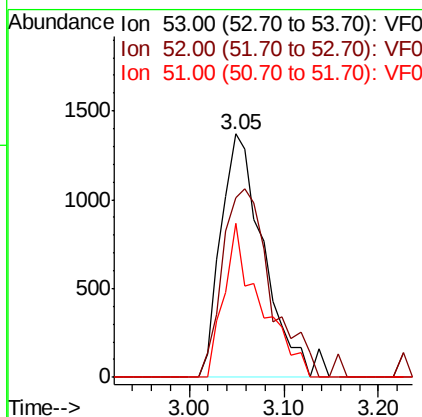
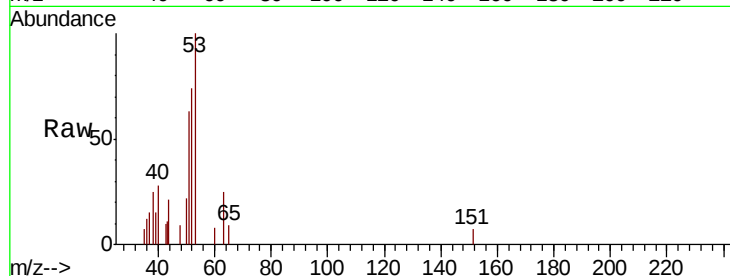
ClientSampleId :

VF0828SBS01

Tot Ion:	53	Resp:	4345
Ion	Ratio	Lower	Upper
53	100		
52	74.0	75.8	113.8#
51	63.3	42.1	63.1#

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#16

Acetone

Concen: 30.08 ug/l

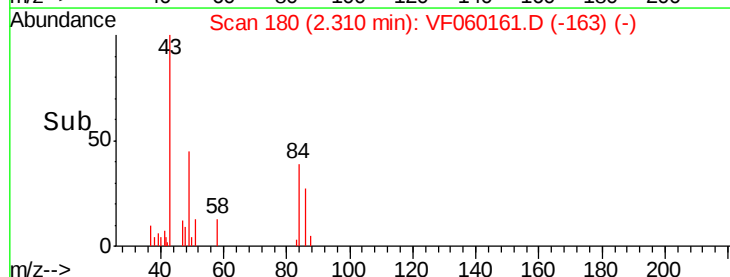
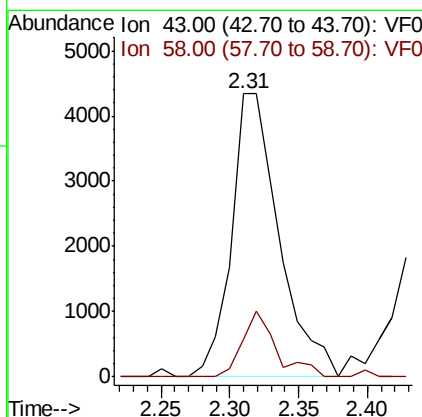
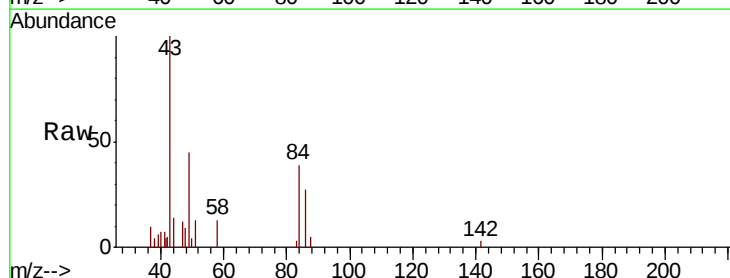
RT: 2.31 min Scan# 180

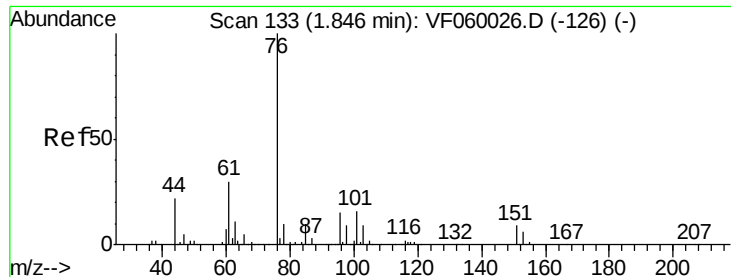
Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	43	Resp:	10501
Ion	Ratio	Lower	Upper
43	100		
58	13.3	12.6	19.0





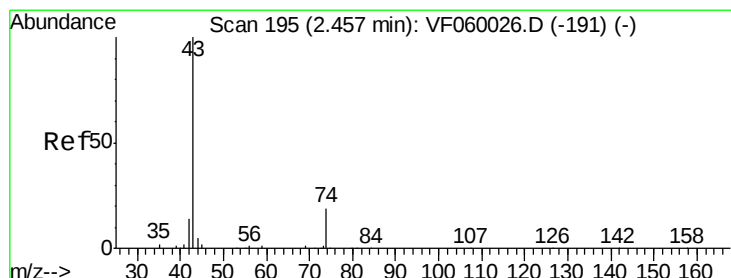
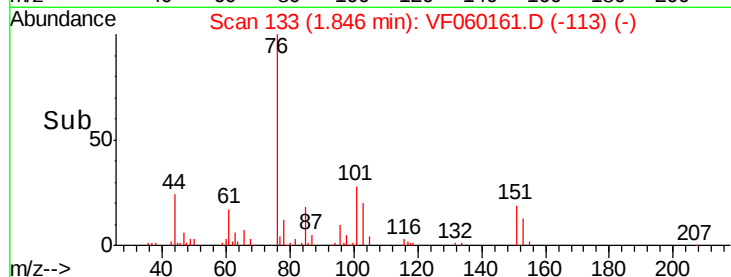
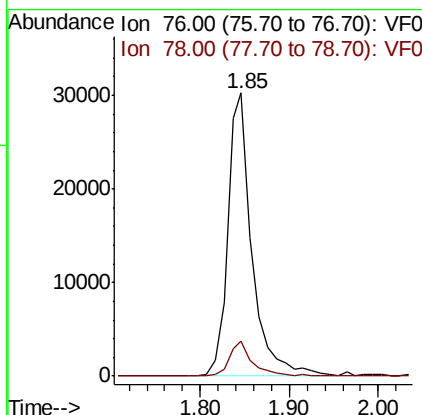
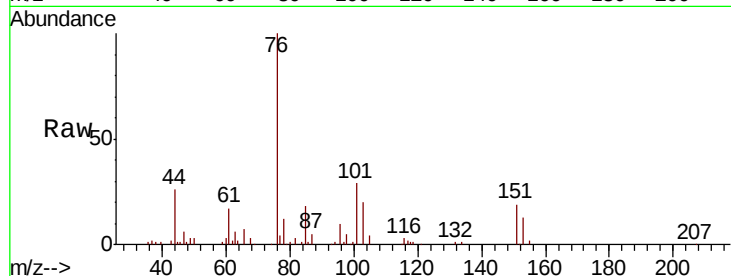
#17
Carbon Disulfide
Concen: 29.86 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.5	8.4	12.6

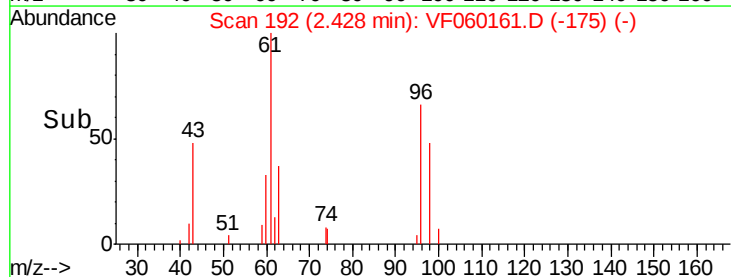
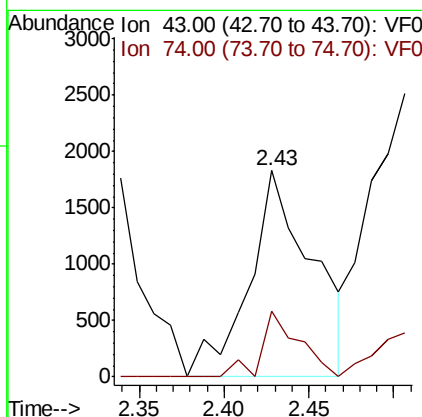
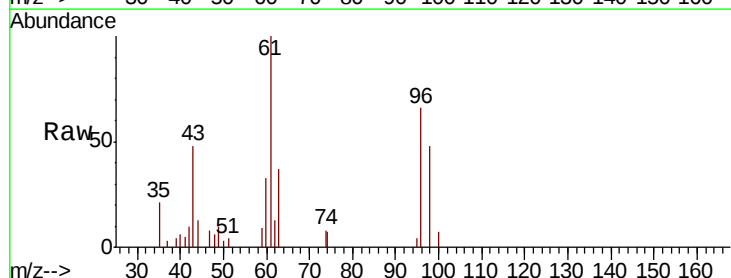
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#18
Methyl Acetate
Concen: 4.16 ug/l m
RT: 2.43 min Scan# 192
Delta R.T. -0.03 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.5	13.8	20.6





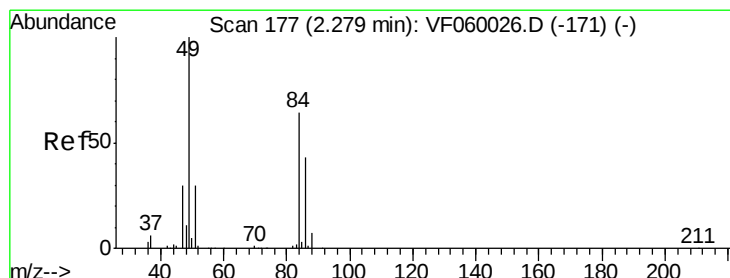
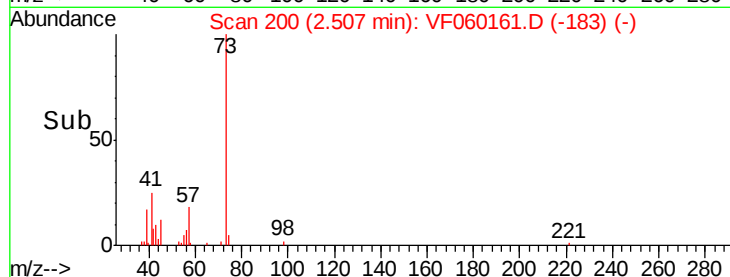
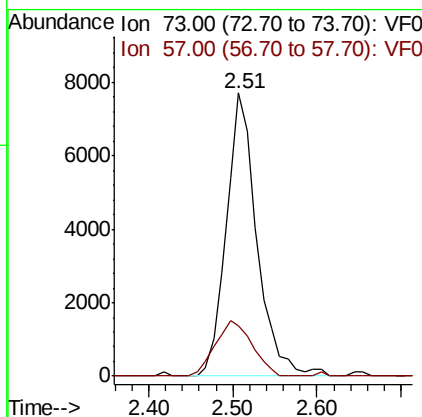
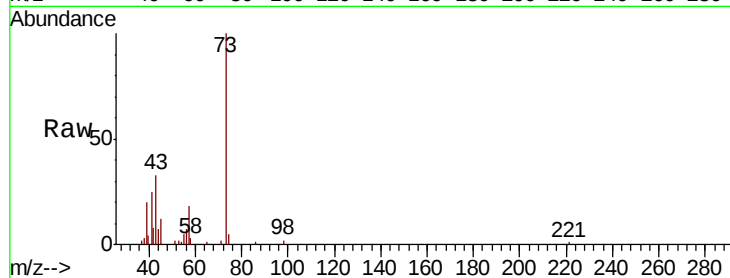
#19
Methyl tert-butyl Ether
Concen: 9.85 ug/l
RT: 2.51 min Scan# 200
Delta R.T. -0.03 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	13.7	20.5

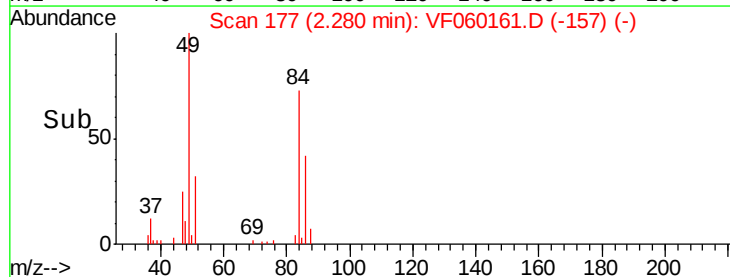
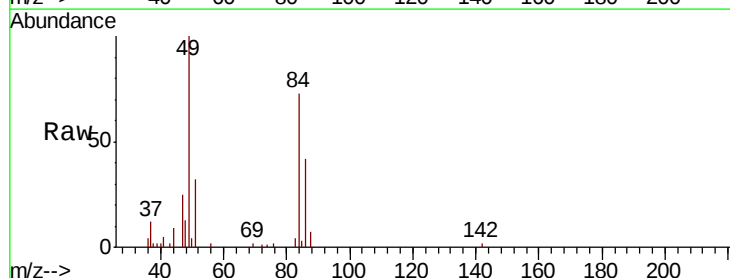
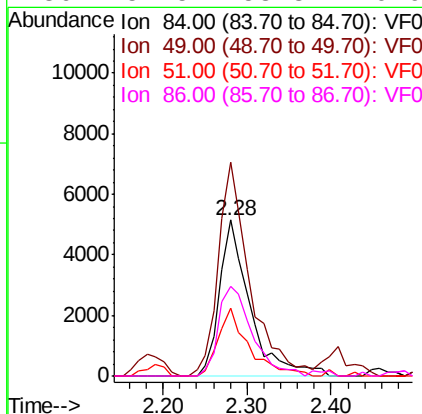
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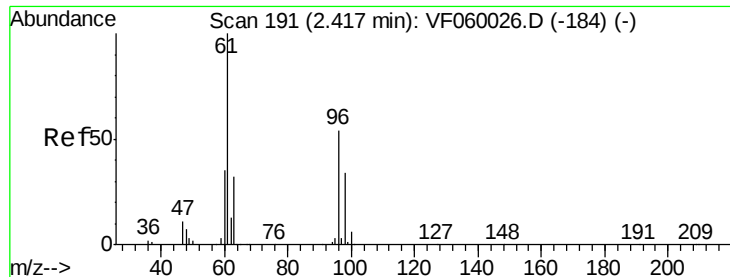
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#20
Methylene Chloride
Concen: 15.38 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.3	125.4	188.0
51	43.4	38.3	57.5
86	57.5	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 26.16 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

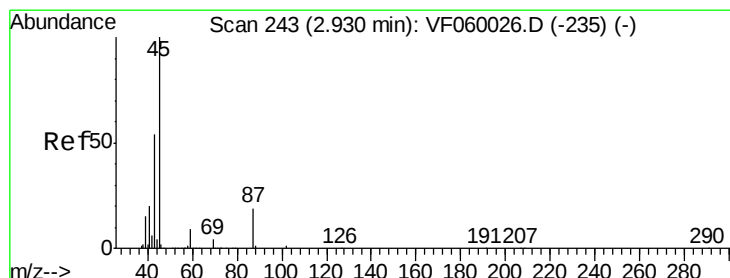
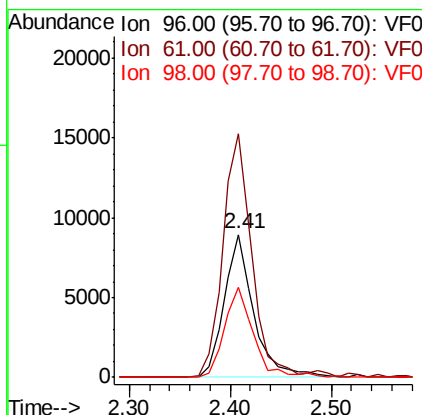
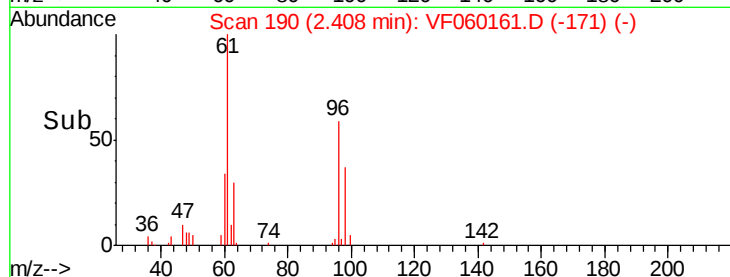
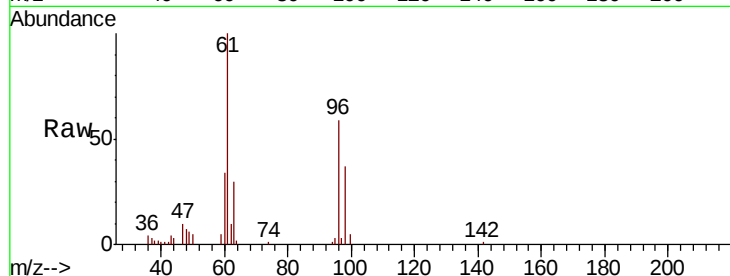
ClientSampleId :

VF0828SBS01

Tot Ion:	96	Resp:	18055
Ion	Ratio	Lower	Upper
96	100		
61	170.2	147.4	221.0
98	63.2	49.8	74.6

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#22

Diisopropyl ether

Concen: 13.18 ug/l

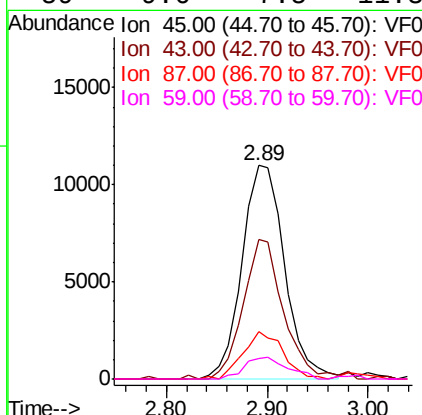
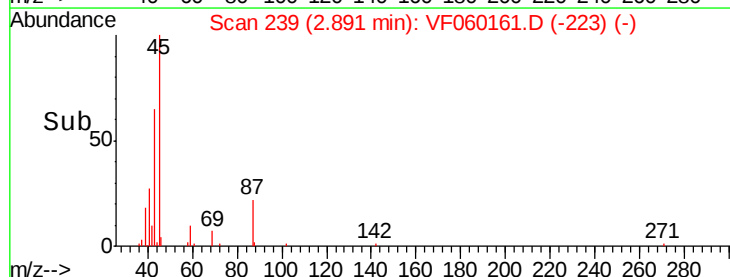
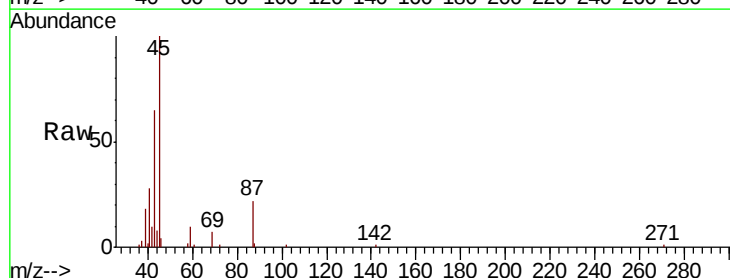
RT: 2.89 min Scan# 239

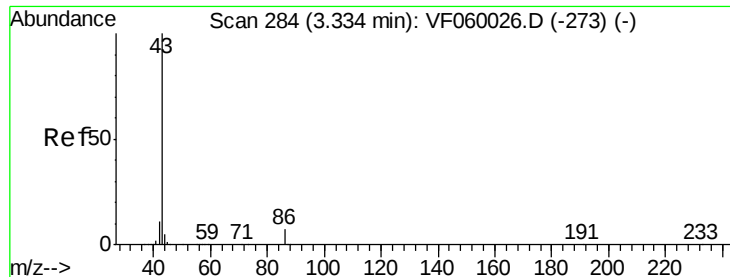
Delta R.T. -0.04 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	45	Resp:	32342
Ion	Ratio	Lower	Upper
45	100		
43	65.2	43.4	65.2#
87	22.2	15.4	23.2
59	9.6	7.5	11.3





#23

Vinyl Acetate

Concen: 36.27 ug/l

RT: 3.31 min Scan# 281

Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 47139

Ion Ratio Lower Upper

43 100

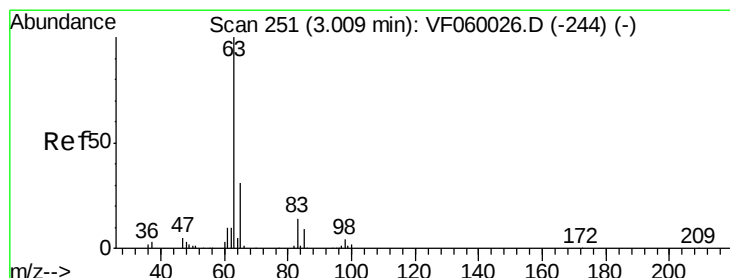
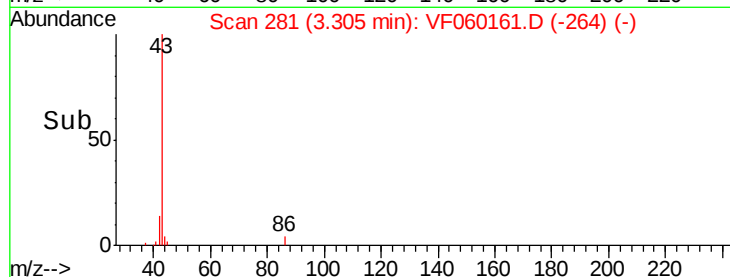
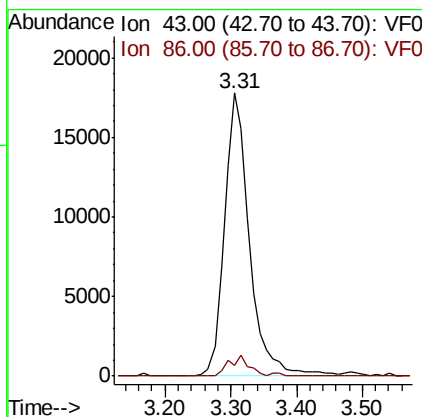
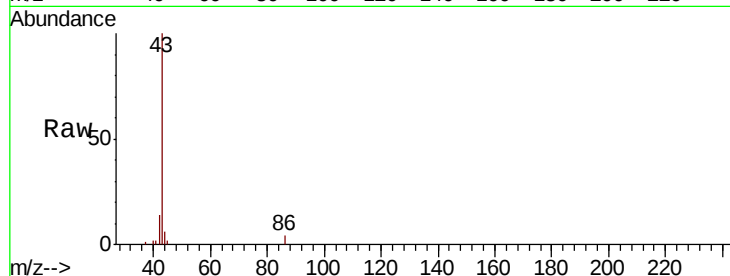
86 3.8 5.6 8.4#

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#24

1,1-Dichloroethane

Concen: 21.08 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

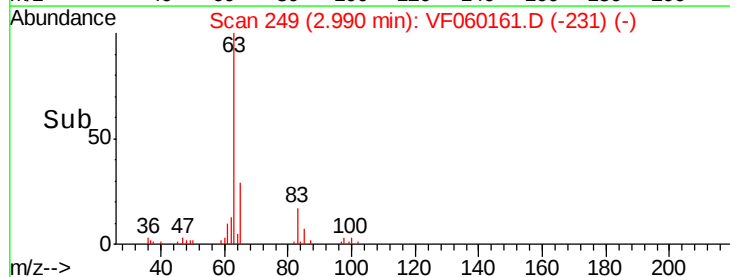
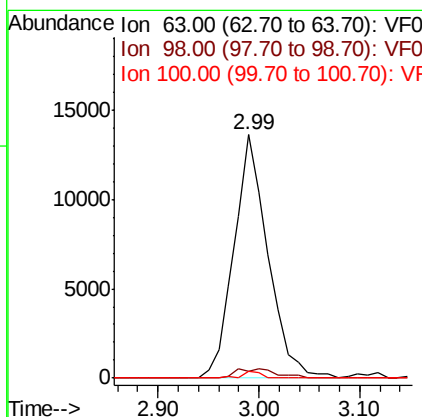
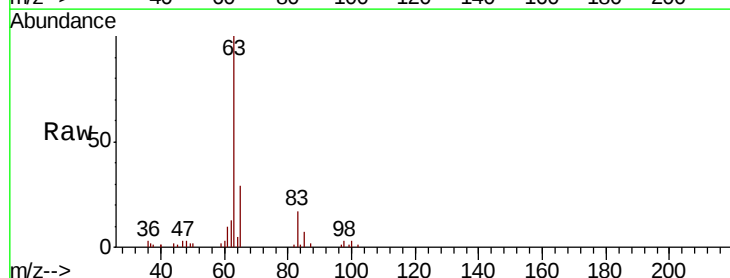
Tgt Ion: 63 Resp: 31950

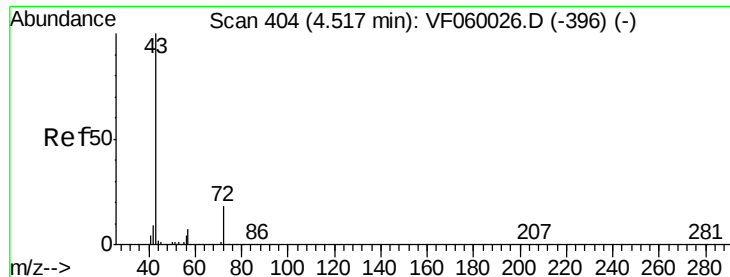
Ion Ratio Lower Upper

63 100

98 2.8 2.1 6.5

100 2.9 1.1 3.3





#25

2-Butanone

Concen: 22.86 ug/l m

RT: 4.47 min Scan# 399

Delta R.T. -0.05 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 10363

Ion Ratio Lower Upper

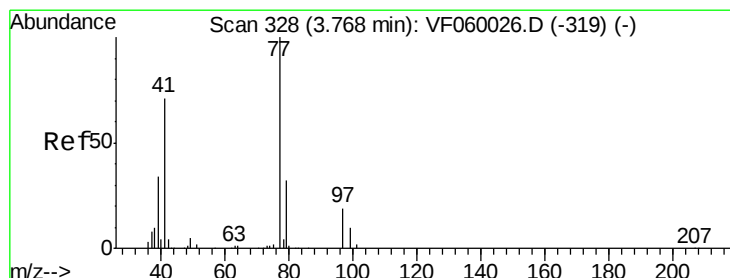
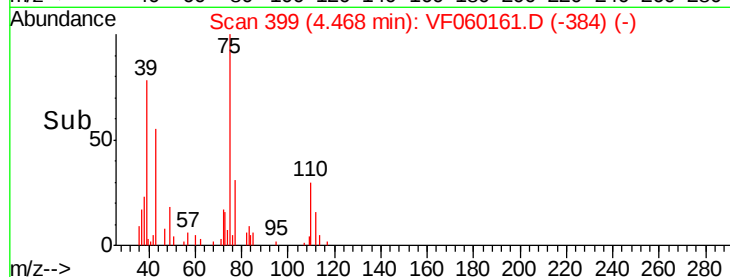
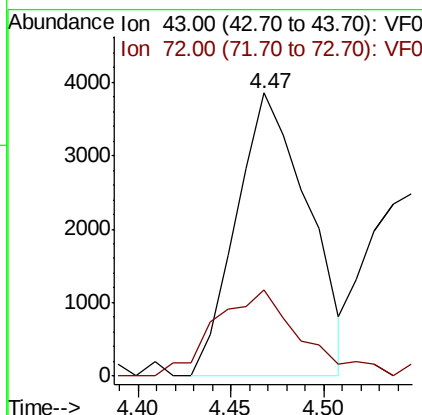
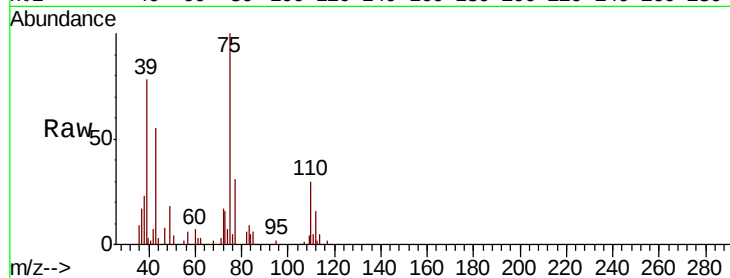
43 100

72 30.4 15.0 22.6#

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#26

2,2-Dichloropropane

Concen: 12.71 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060161.D

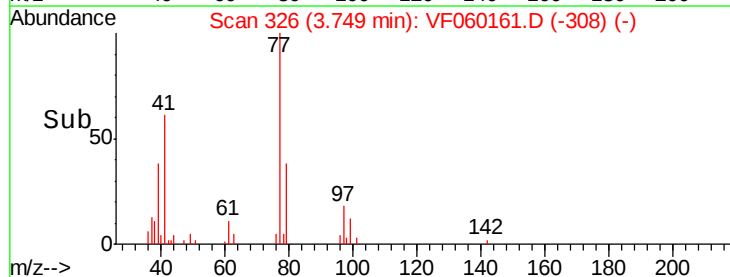
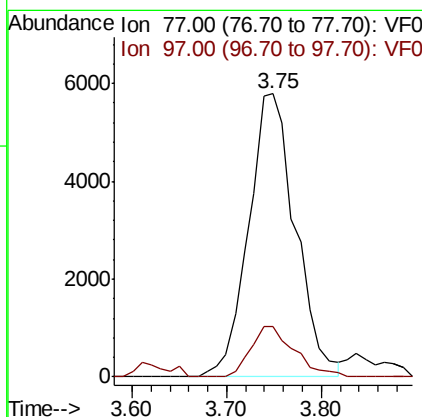
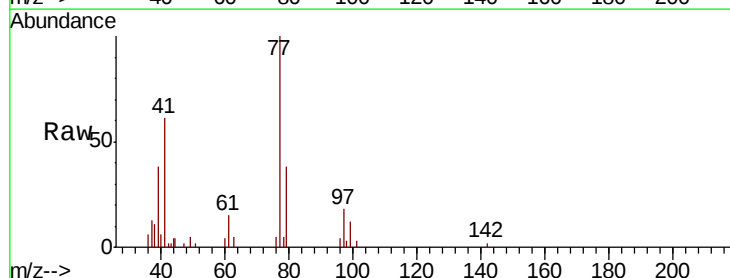
Acq: 28 Aug 2018 20:25

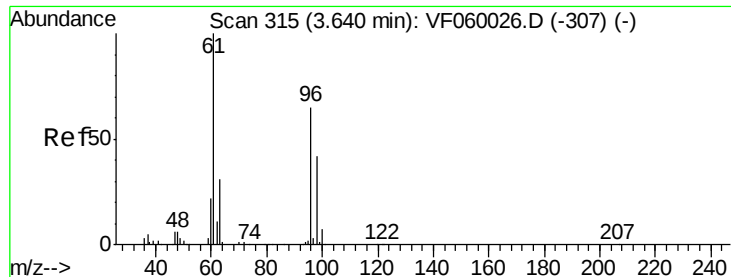
Tgt Ion: 77 Resp: 19933

Ion Ratio Lower Upper

77 100

97 18.0 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 13.72 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

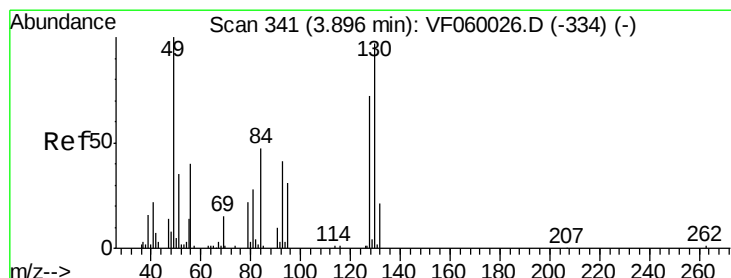
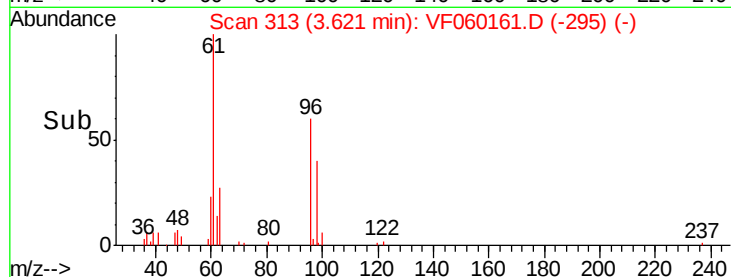
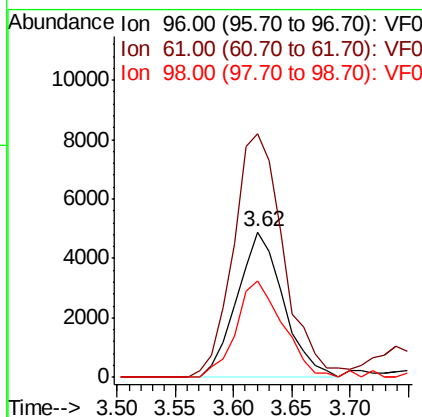
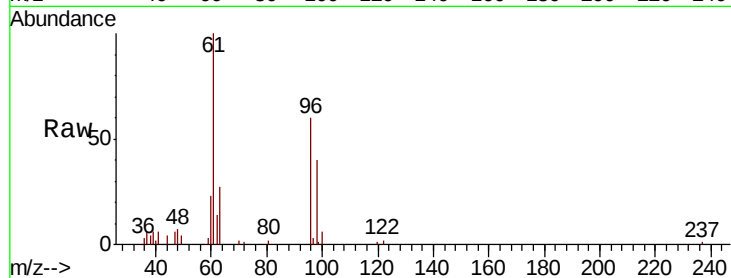
ClientSampleId :

VF0828SBS01

Tot Ion:	96	Resp:	13424
Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	307.6
98	68.6	0.0	128.4

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#28

Bromochloromethane

Concen: 12.20 ug/l

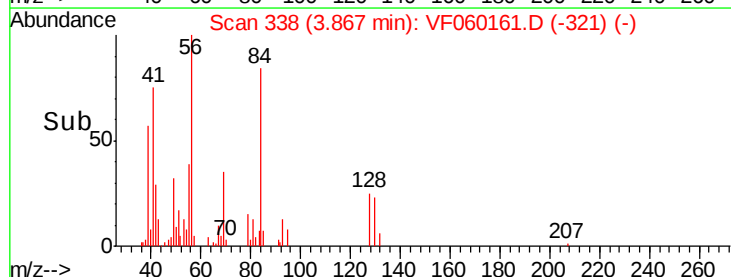
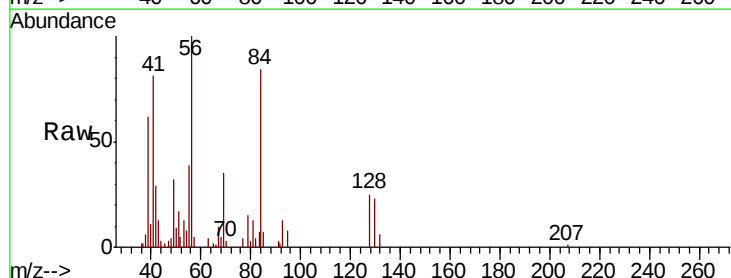
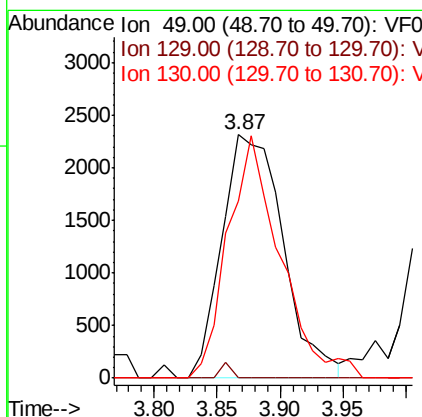
RT: 3.87 min Scan# 338

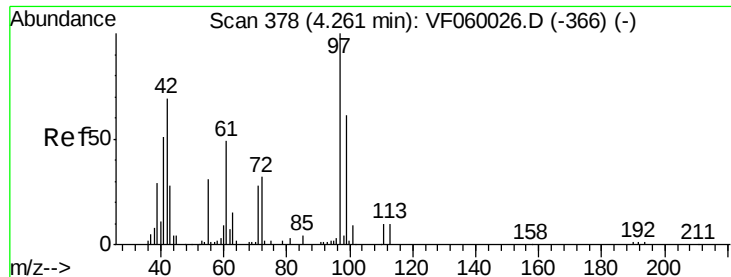
Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	49	Resp:	7808
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	72.7	78.0	117.0#





#29

Tetrahydrofuran

Concen: 28.86 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

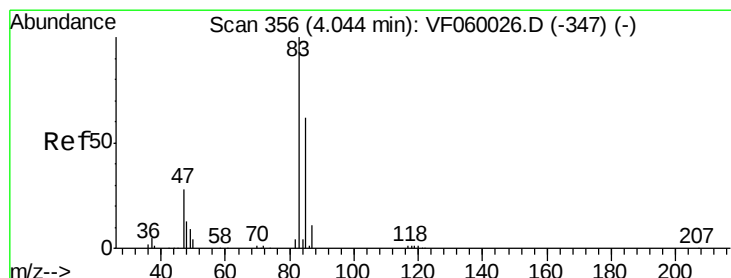
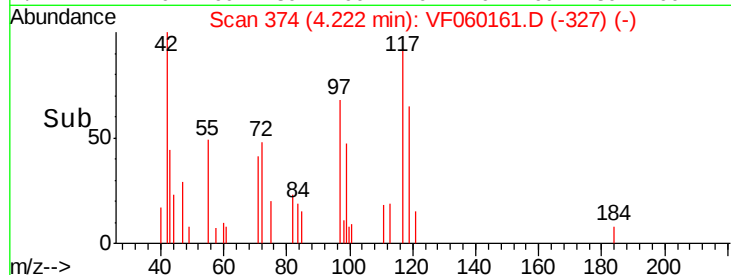
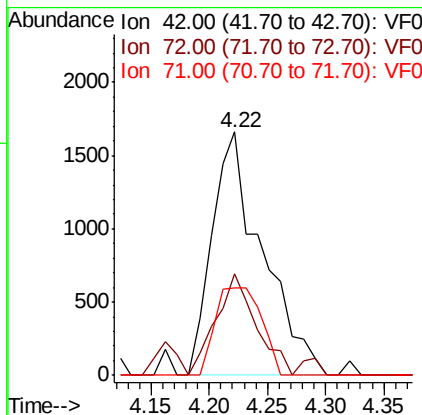
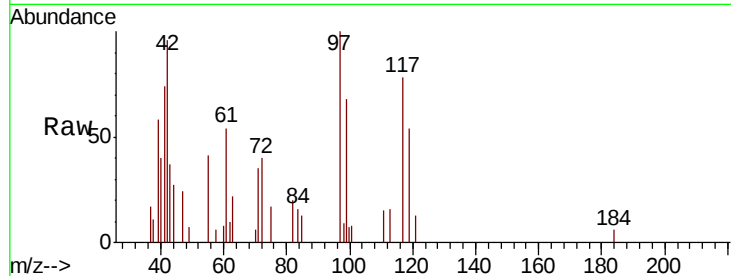
ClientSampleId :

VF0828SBS01

Tot Ion:	42	Resp:	4941
Ion Ratio	Lower	Upper	
42	100		
72	33.5	31.4	47.2
71	33.3	29.7	44.5

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#30

Chloroform

Concen: 17.28 ug/l

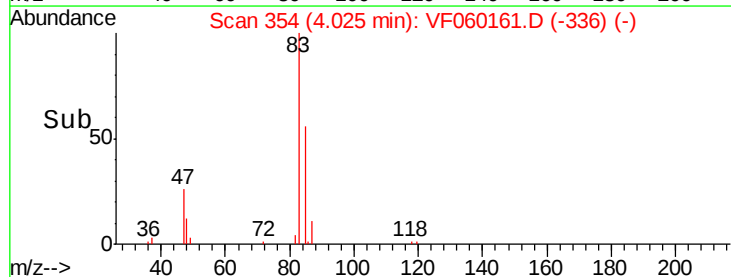
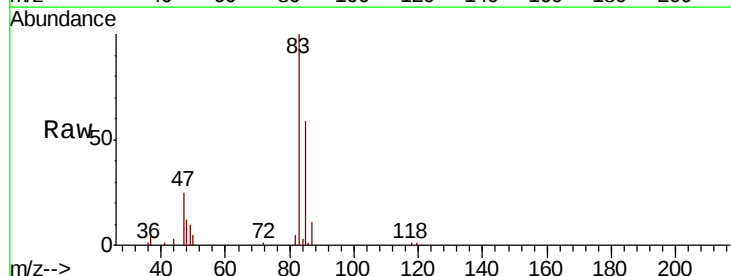
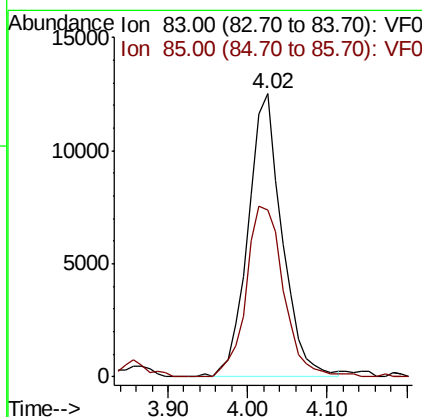
RT: 4.02 min Scan# 354

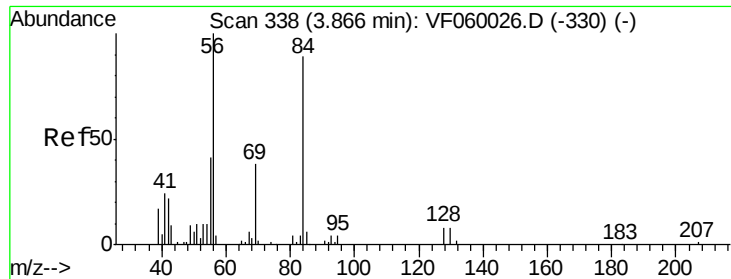
Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	83	Resp:	36758
Ion Ratio	Lower	Upper	
83	100		
85	59.0	49.5	74.3





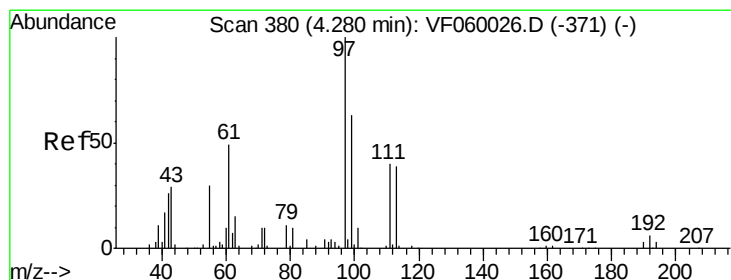
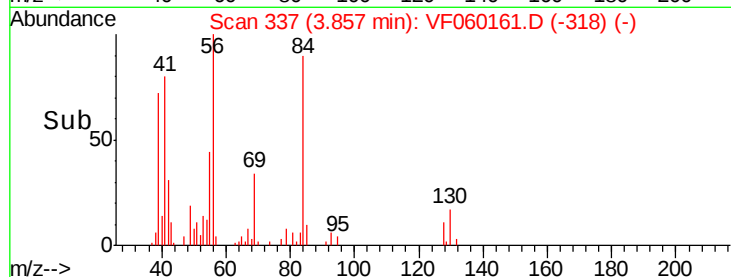
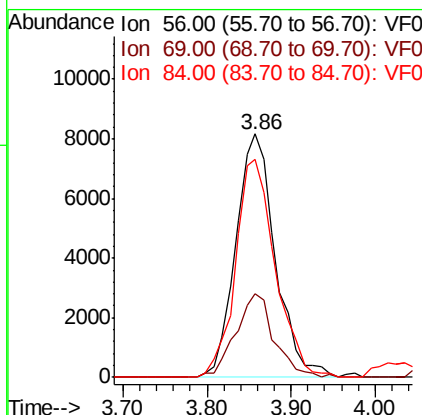
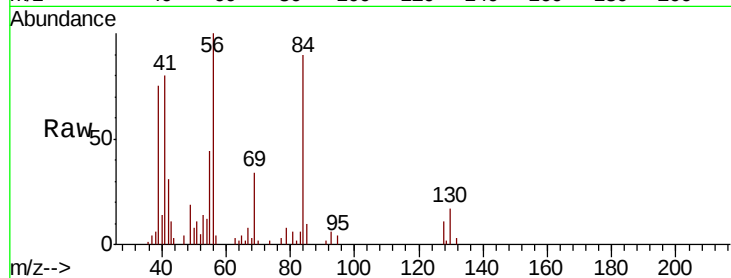
#31
Cyclohexane
Concen: 23.20 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	30.4	45.6
84	89.8	71.4	107.2

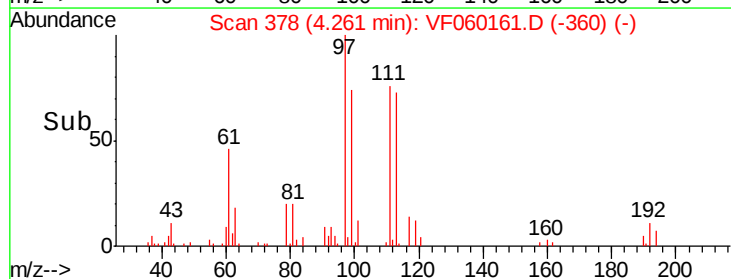
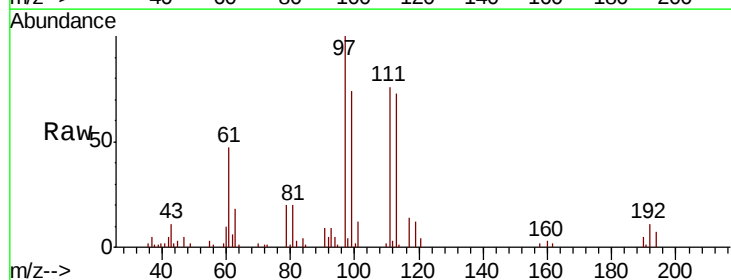
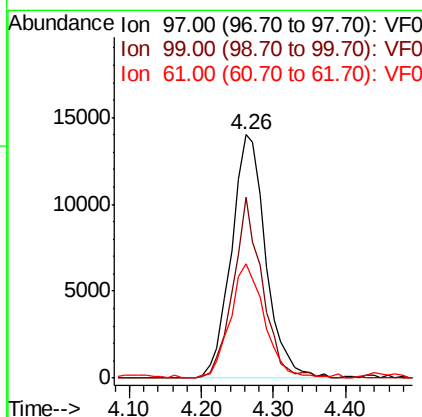
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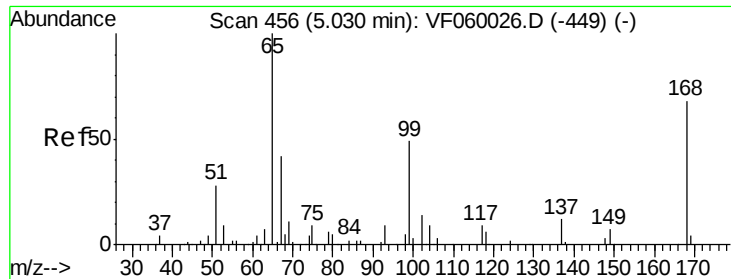
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#32
1,1,1-Trichloroethane
Concen: 25.65 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	74.4	50.3	75.5
61	47.0	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 27.72 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 65 Resp: 36811

Ion Ratio Lower Upper

65 100

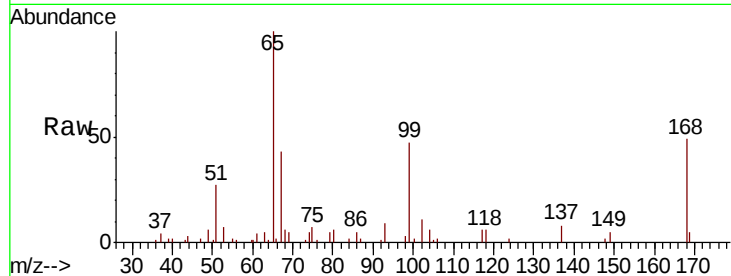
67 42.9 0.0 92.0

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

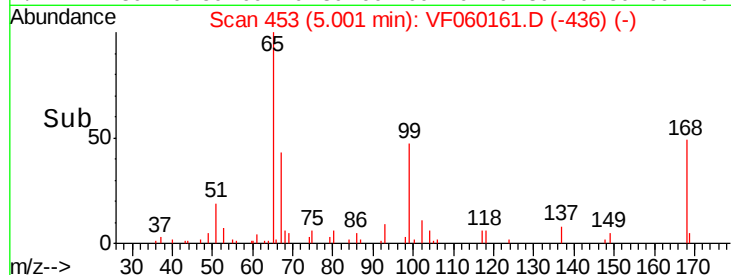
15000

10000

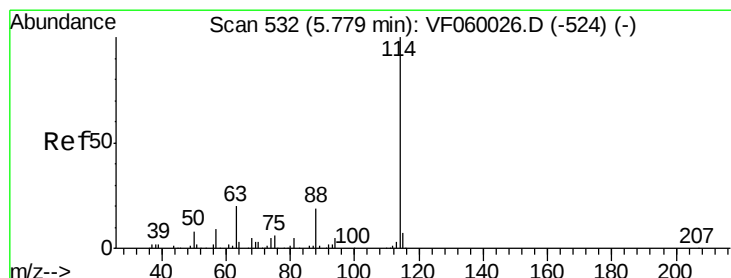
5000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

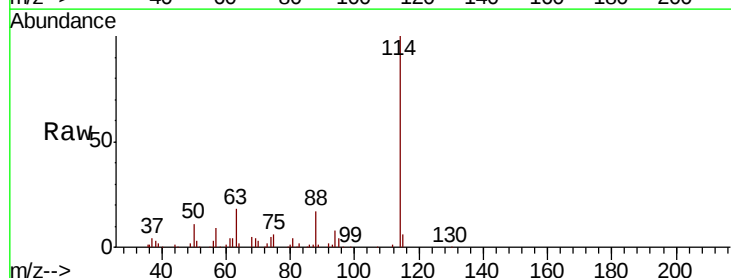
Tgt Ion: 114 Resp: 119810

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.4

88 16.6 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

60000

50000

40000

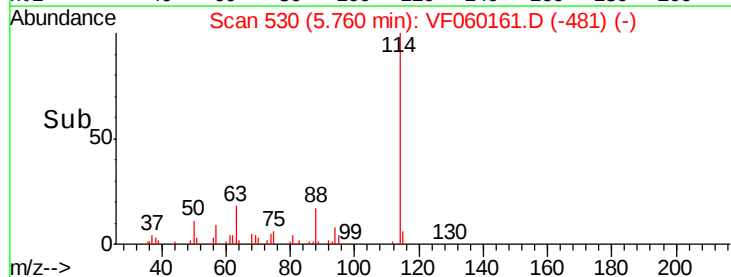
30000

20000

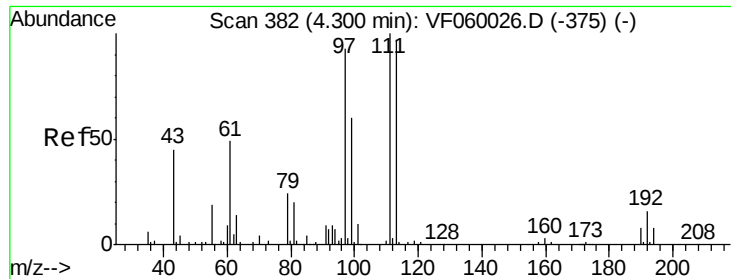
10000

0

Time-->



Time-->



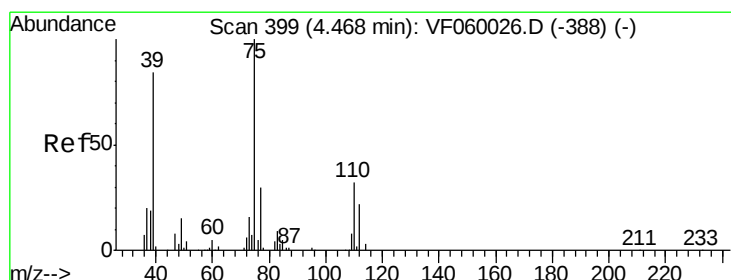
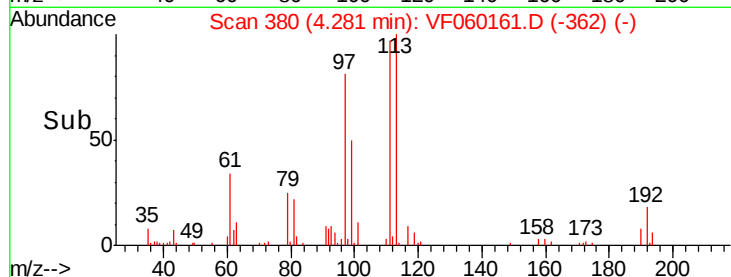
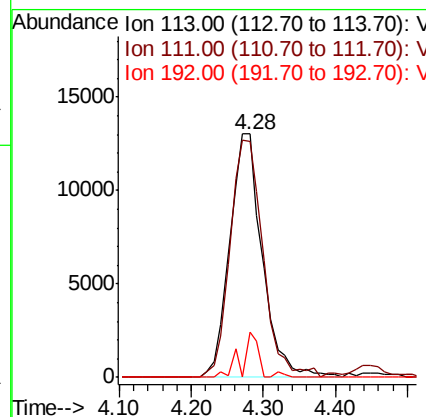
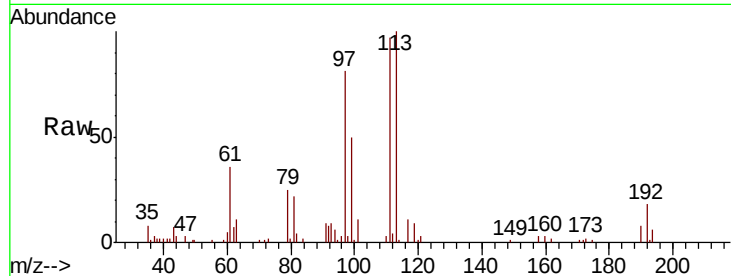
#35
 Dibromofluoromethane
 Concen: 43.49 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	40919		
111	97.1	82.7	124.1	
192	18.7	13.0	19.4	

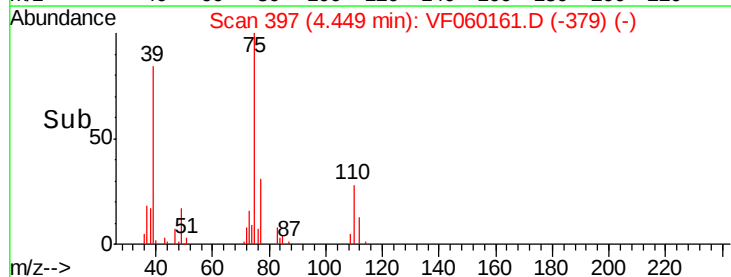
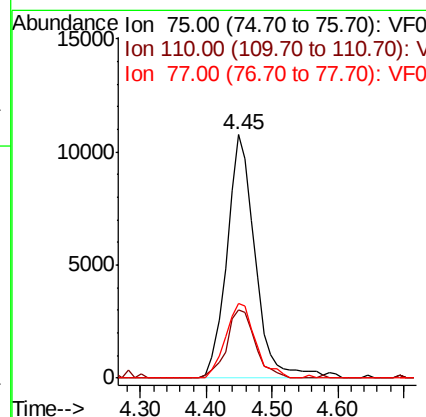
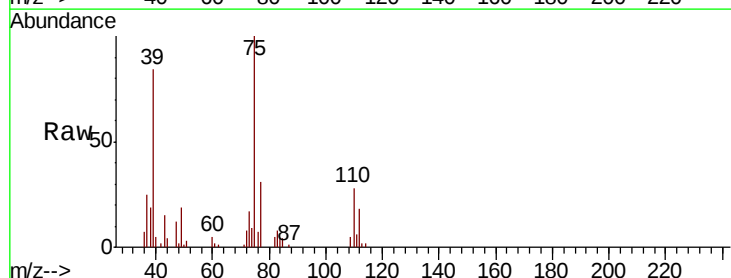
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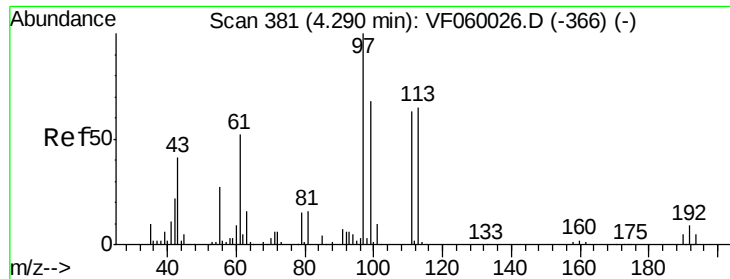
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#36
 1,1-Dichloropropene
 Concen: 28.78 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. -0.02 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32409		
110	28.2	16.0	47.9	
77	30.7	24.1	36.1	





#37

Ethyl Acetate

Concen: 8.61 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

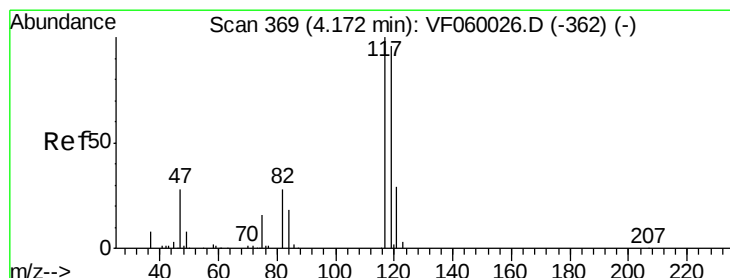
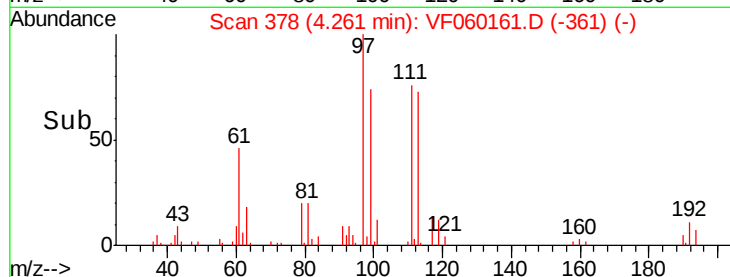
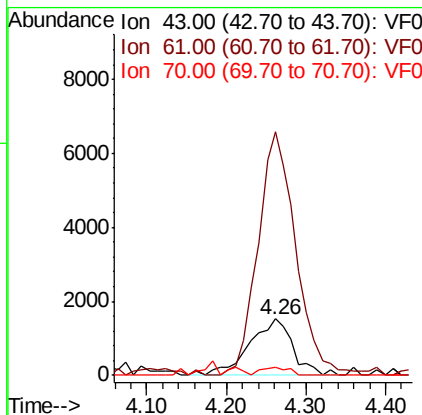
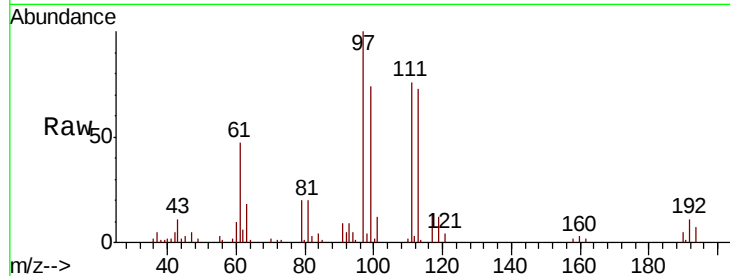
ClientSampleId :

VF0828SBS01

Tot Ion:	43	Resp:	5797
Ion	Ratio	Lower	Upper
43	100		
61	430.4	101.5	152.3#
70	14.4	6.4	9.6#

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#38

Carbon Tetrachloride

Concen: 33.24 ug/l m

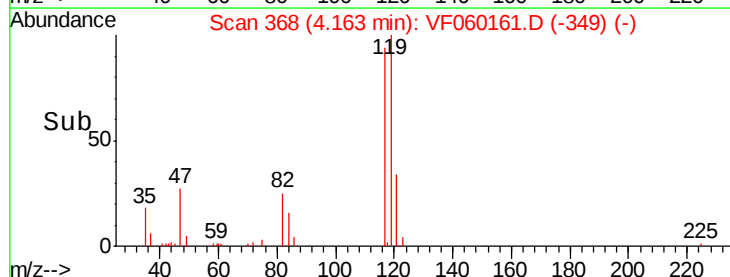
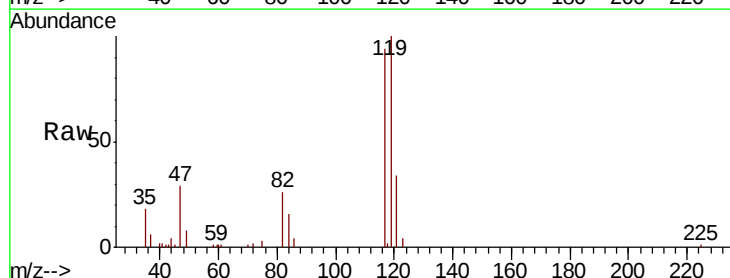
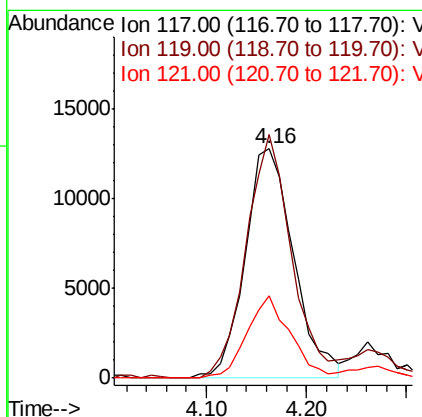
RT: 4.16 min Scan# 368

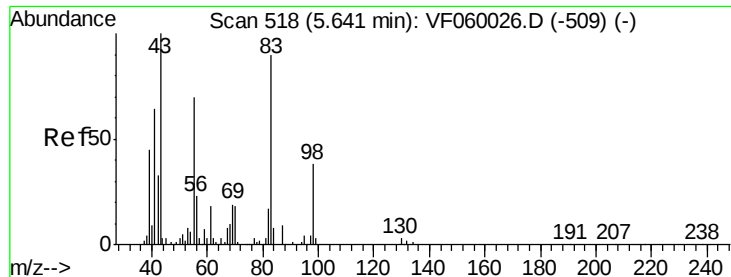
Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	117	Resp:	43331
Ion	Ratio	Lower	Upper
117	100		
119	106.3	76.5	114.7
121	35.7	23.0	34.6#





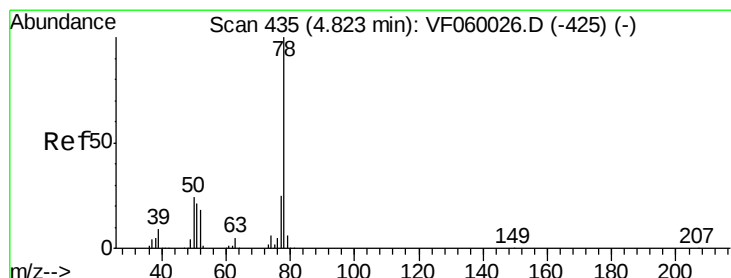
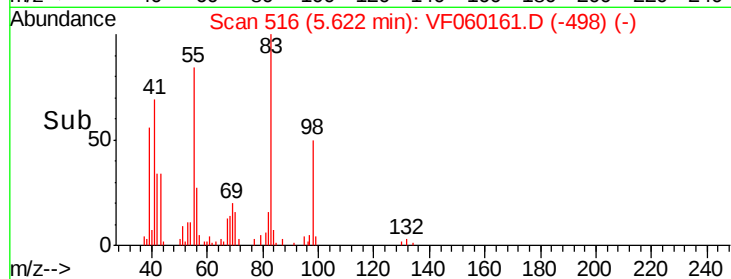
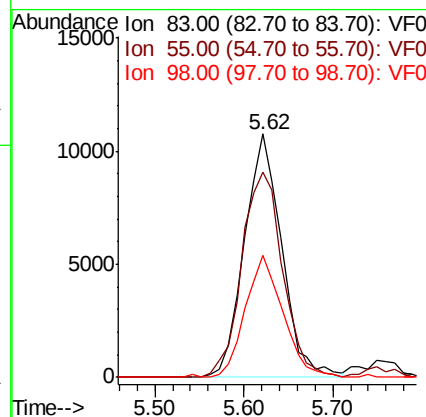
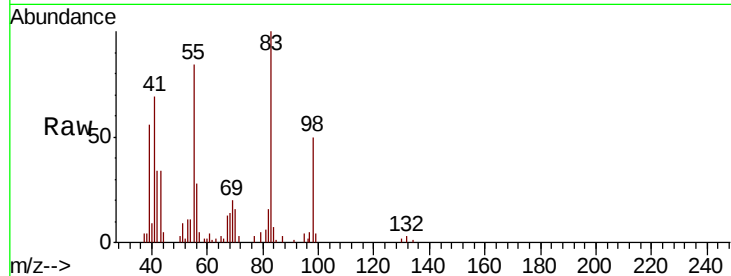
#39
Methvlcvclohexane
Concen: 29.60 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:	83	Resp:	31253
Ion	Ratio	Lower	Upper
83	100		
55	84.0	62.7	94.1
98	50.1	33.8	50.8

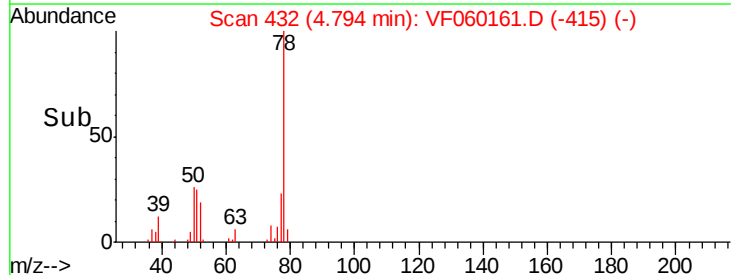
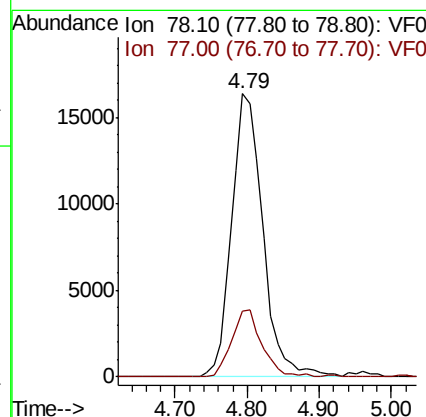
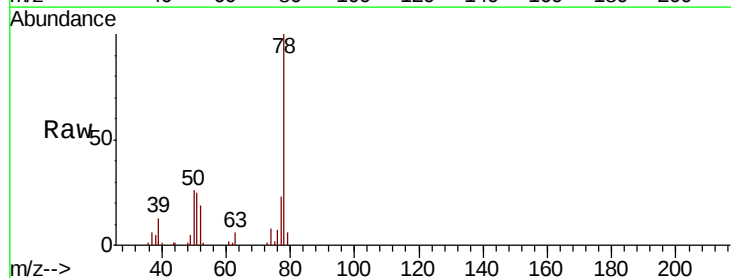
Manual Integrations
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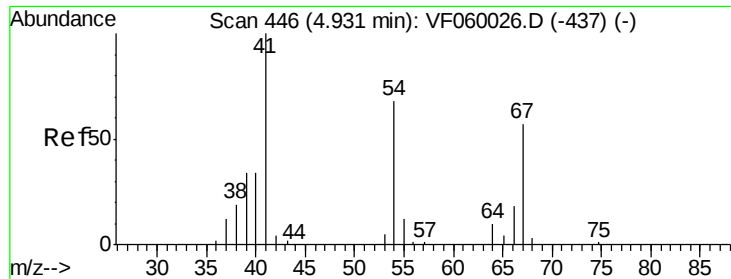
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#40
Benzene
Concen: 20.06 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.03 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion:	78	Resp:	49338
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.8	29.6





#41

Methacrylonitrile

Concen: 8.64 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.05 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

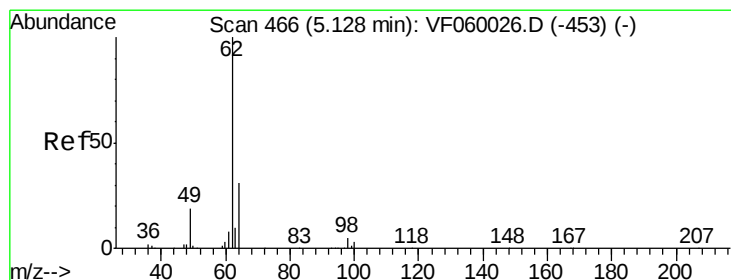
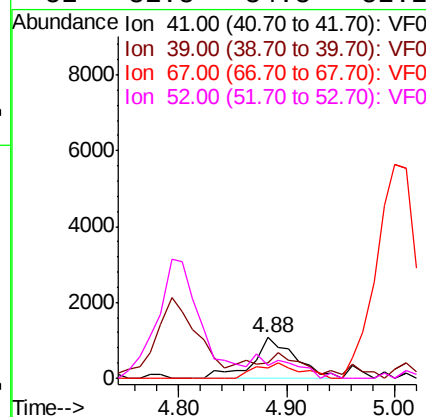
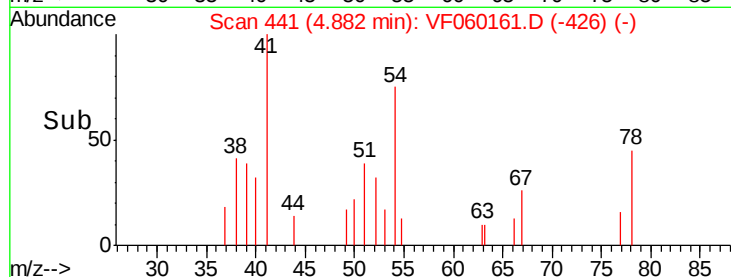
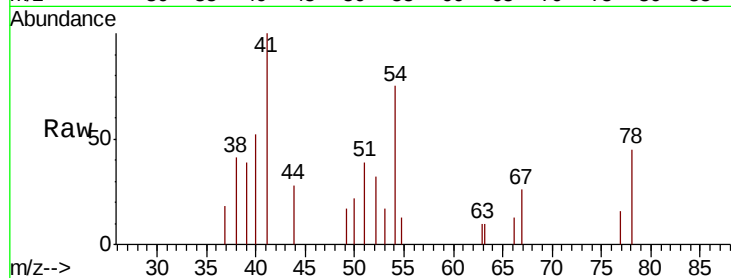
ClientSampleId :

VF0828SBS01

Tot Ion:	41	Resp:	2941
Ion	Ratio	Lower	Upper
41	100		
39	39.0	52.9	79.3#
67	25.9	45.3	67.9#
52	31.8	34.8	52.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 14.86 ug/l

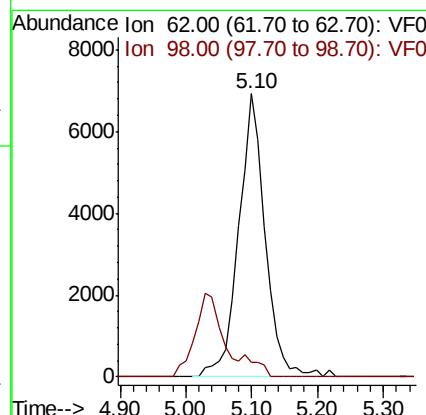
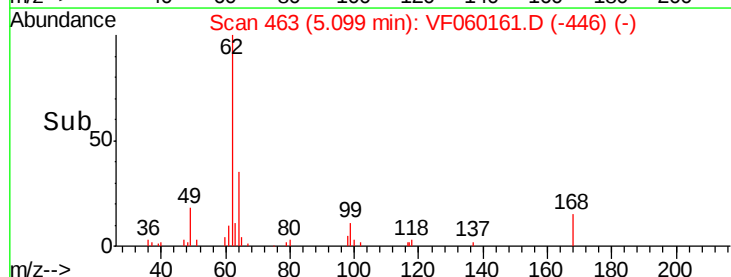
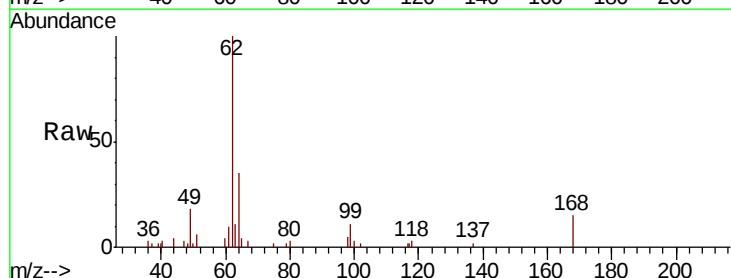
RT: 5.10 min Scan# 463

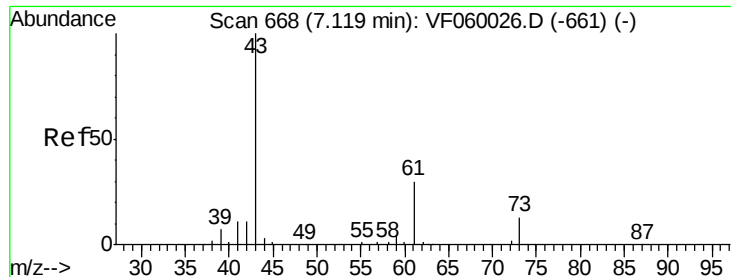
Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	62	Resp:	19603
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	11.2





#43

Isopropyl Acetate

Concen: 8.17 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

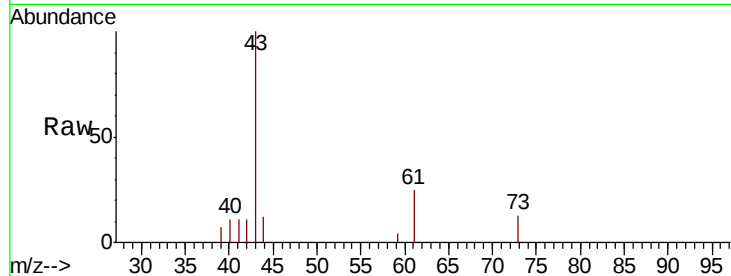
ClientSampleId :

VF0828SBS01

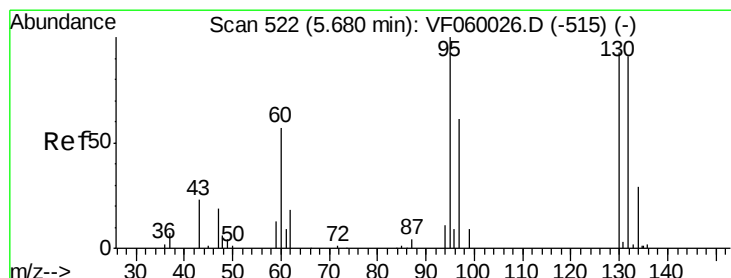
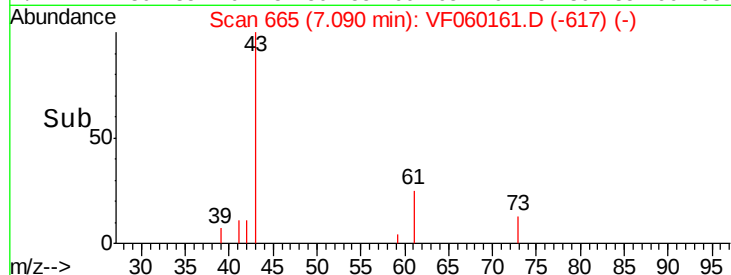
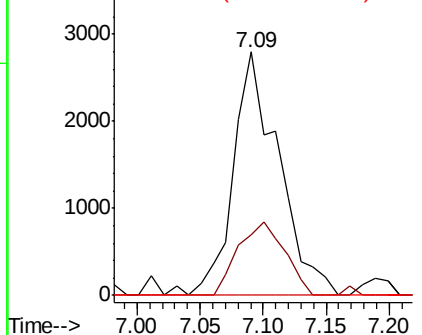
Tot Ion:	43	Resp:	6928
Ion	Ratio	Lower	Upper
43	100		
61	24.6	23.8	35.6
87	0.0	0.2	0.4

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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: 24.87 ug/l

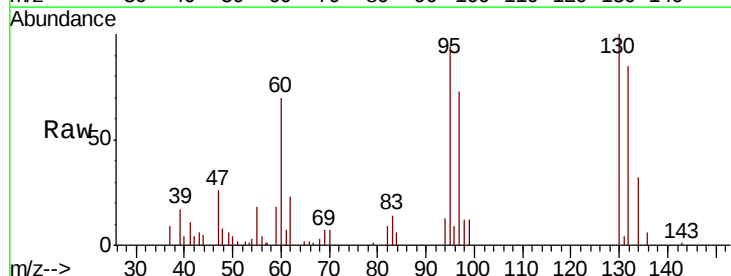
RT: 5.66 min Scan# 520

Delta R.T. -0.02 min

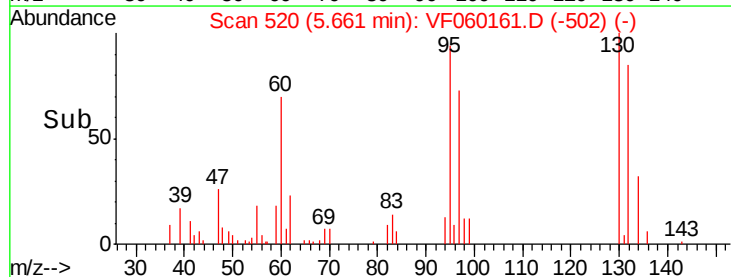
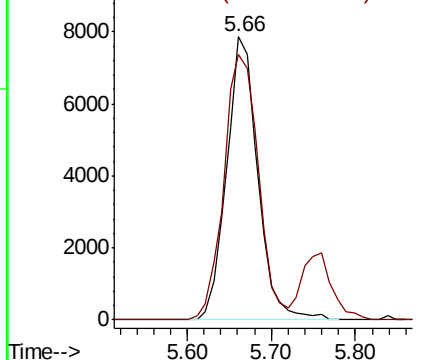
Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	130	Resp:	20223
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	215.8



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





#45

1,2-Dichloropropane

Concen: 15.00 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBSD01

Tot Ion: 63 Resp: 10436

Ion Ratio Lower Upper

63 100

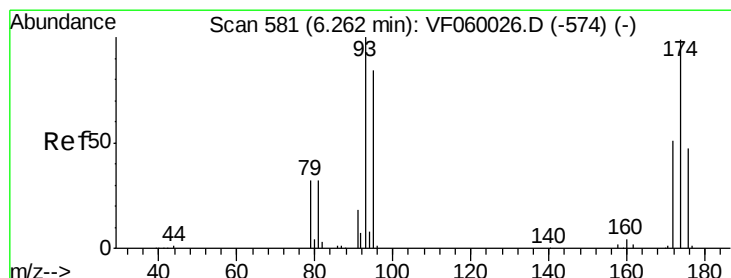
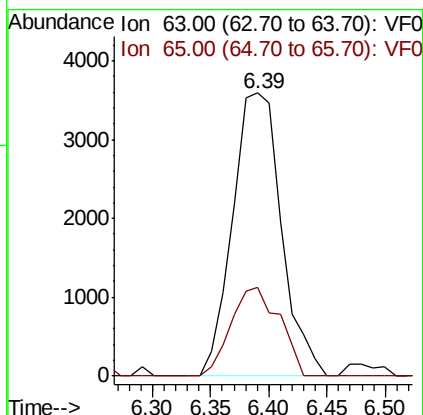
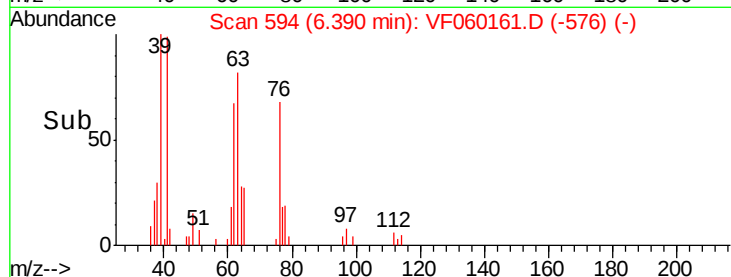
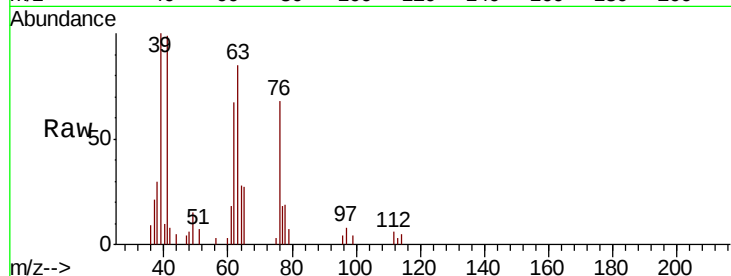
65 31.6 23.8 35.6

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#46

Dibromomethane

Concen: 11.67 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

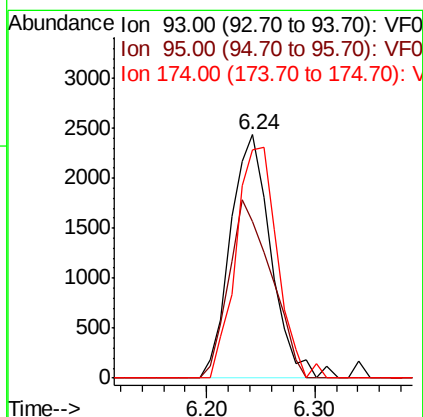
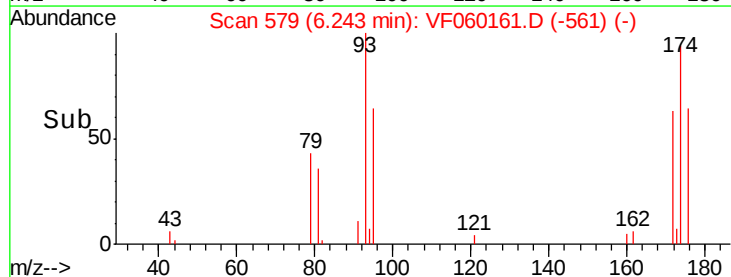
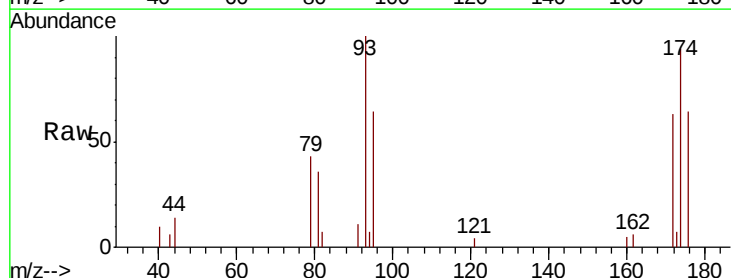
Tgt Ion: 93 Resp: 6351

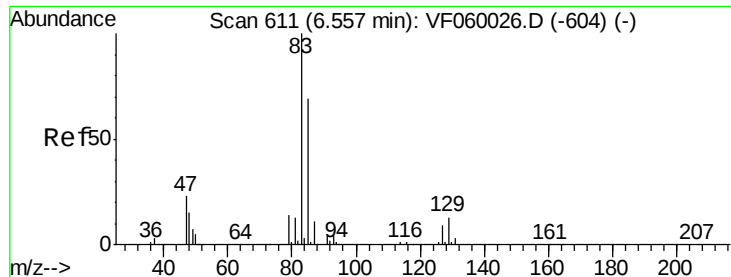
Ion Ratio Lower Upper

93 100

95 64.3 67.1 100.7#

174 93.6 79.0 118.4





#47

Bromodichloromethane

Concen: 16.72 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

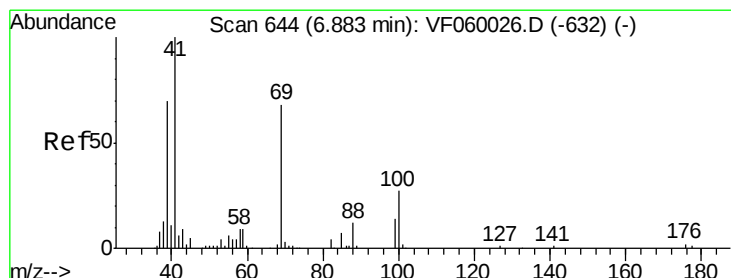
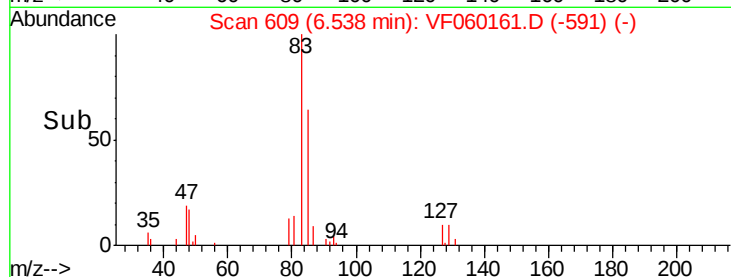
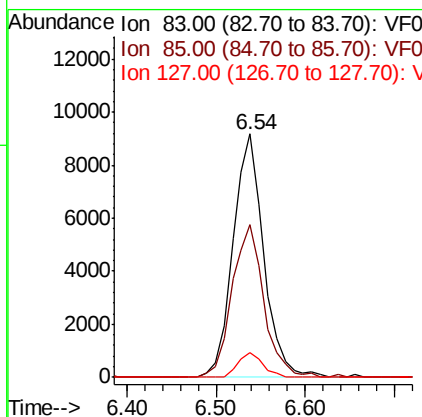
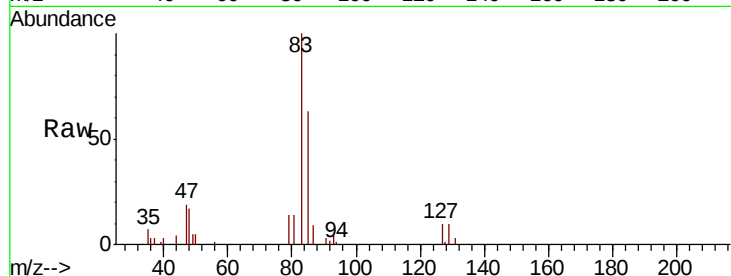
ClientSampleId :

VF0828SBS01

Tot Ion:	83	Resp:	21989
Ion	Ratio	Lower	Upper
83	100		
85	63.0	55.2	82.8
127	10.1	7.3	10.9

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#48

Methyl methacrylate

Concen: 8.97 ug/l

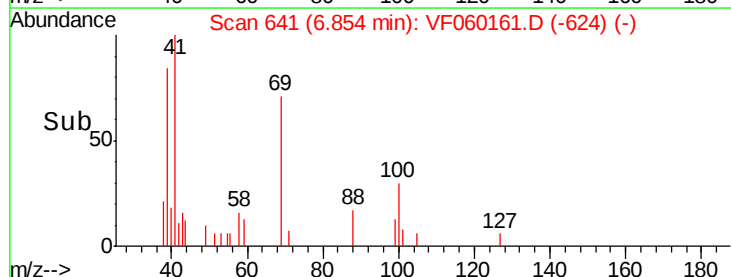
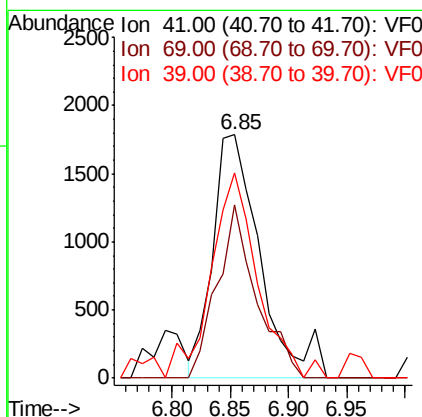
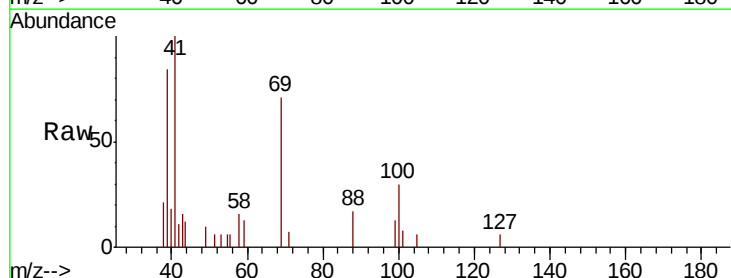
RT: 6.85 min Scan# 641

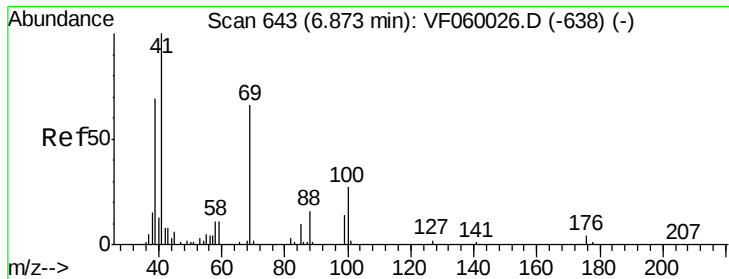
Delta R.T. -0.03 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	41	Resp:	5029
Ion	Ratio	Lower	Upper
41	100		
69	71.2	54.6	81.8
39	84.4	56.5	84.7





#49

1,4-Dioxane

Concen: 147.48 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.04 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

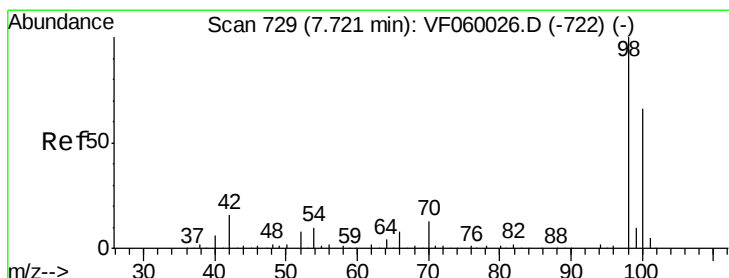
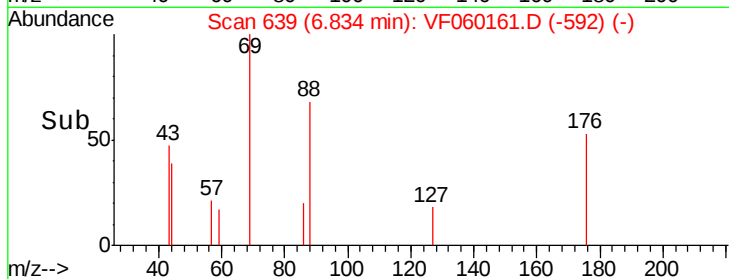
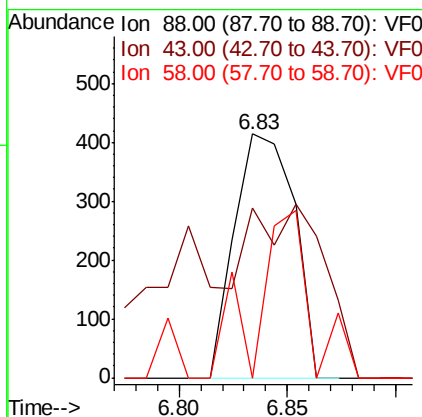
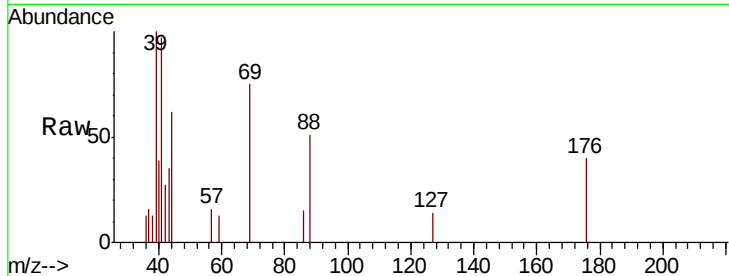
ClientSampleId :

VF0828SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.6	46.5	69.7
58	0.0	54.8	82.2#

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#50

Toluene-d8

Concen: 46.69 ug/l

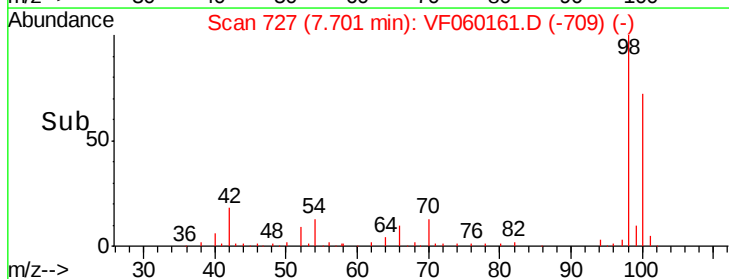
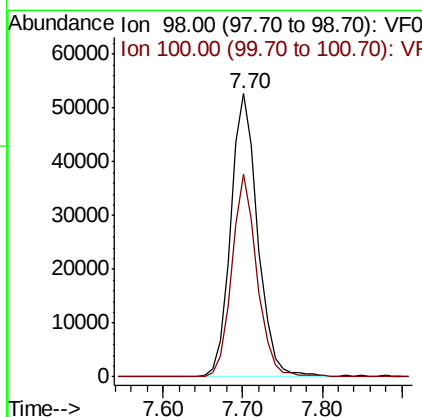
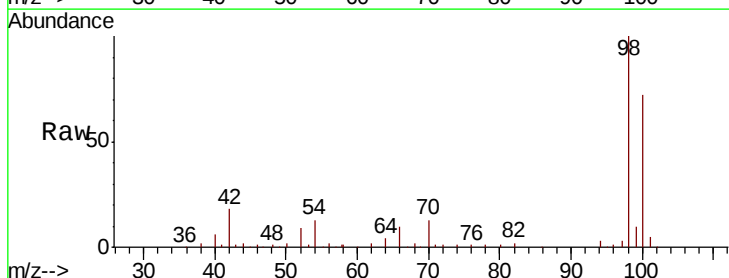
RT: 7.70 min Scan# 727

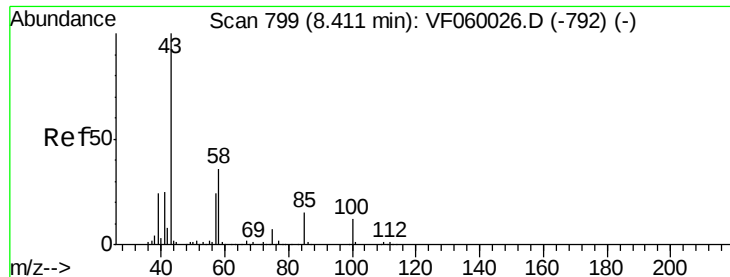
Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.7	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 41.94 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 30697

Ion Ratio Lower Upper

43 100

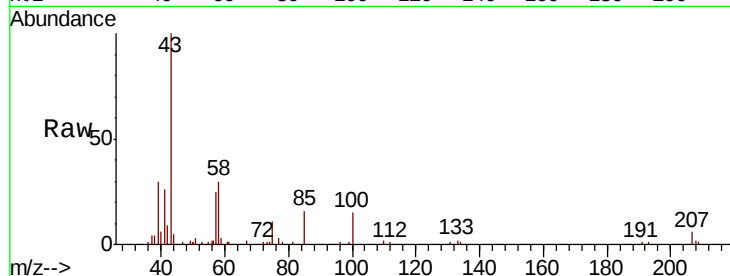
58 29.5 28.6 42.8

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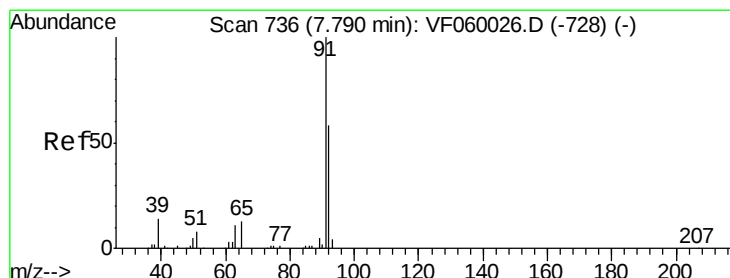
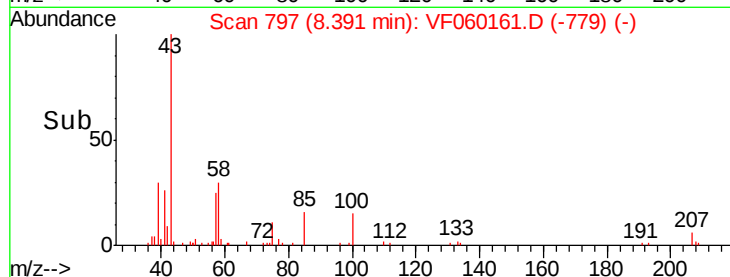
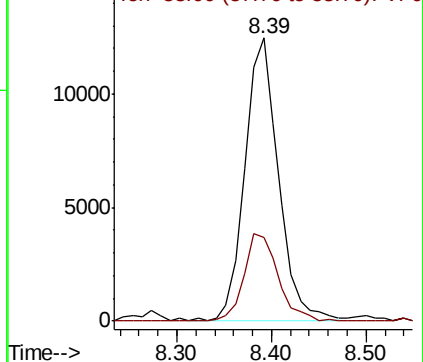
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.11 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060161.D

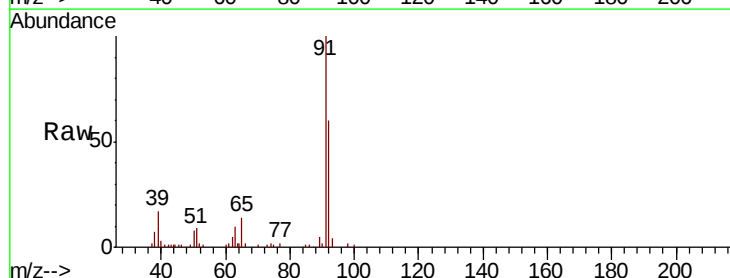
Acq: 28 Aug 2018 20:25

Tgt Ion: 92 Resp: 39306

Ion Ratio Lower Upper

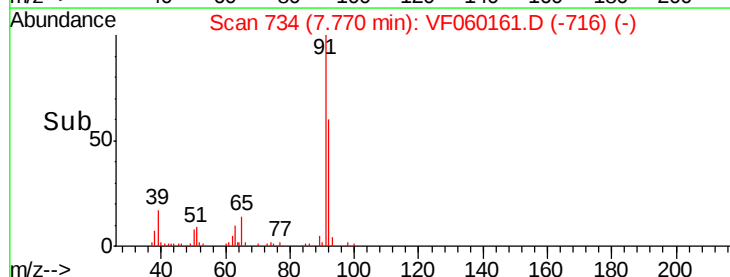
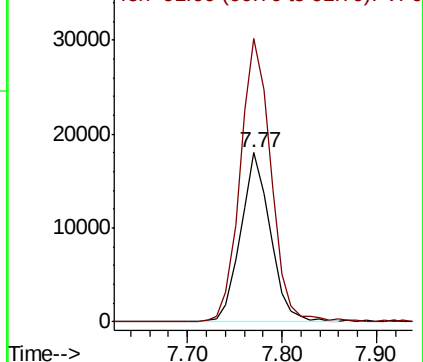
92 100

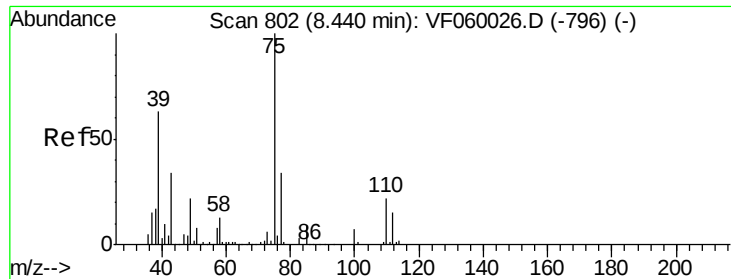
91 167.5 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





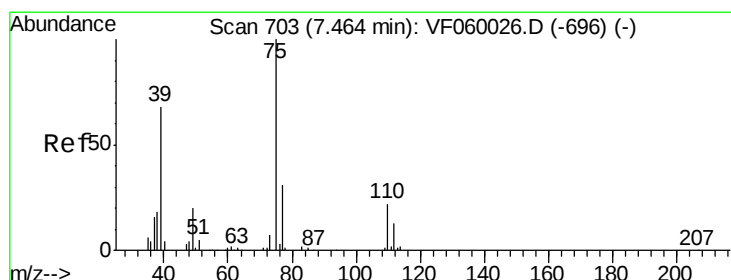
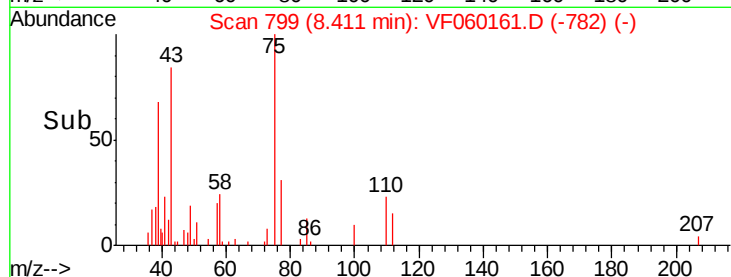
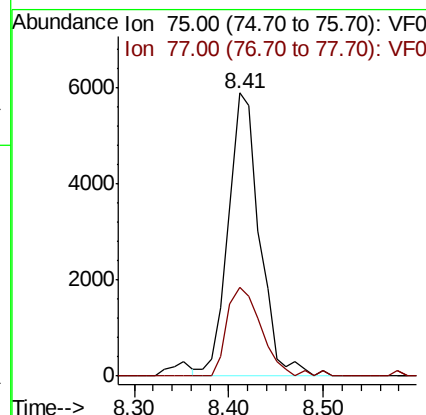
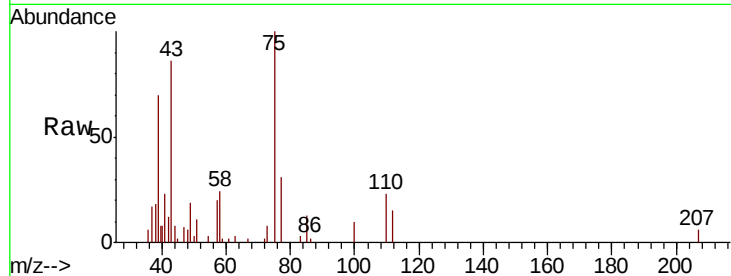
#53
 t-1,3-Dichloropropene
 Concen: 11.36 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion: 75 Resp: 13544
 Ion Ratio Lower Upper
 75 100
 77 31.2 27.4 41.2

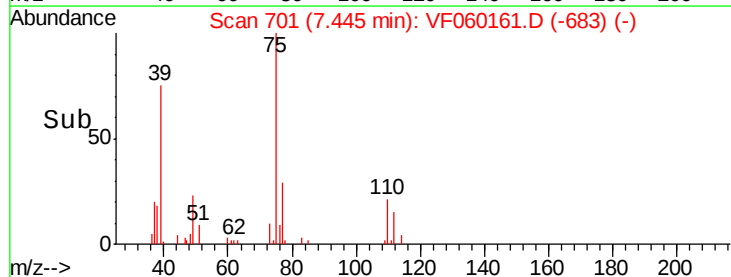
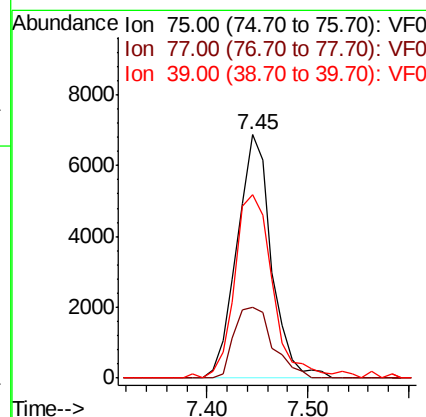
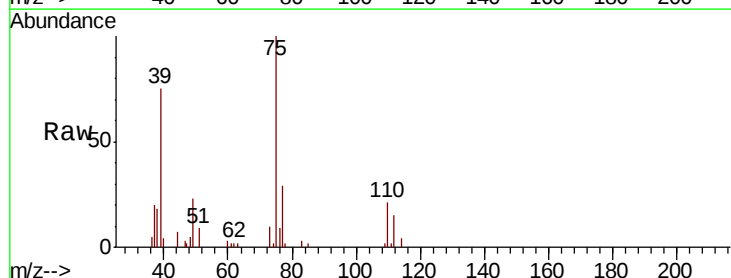
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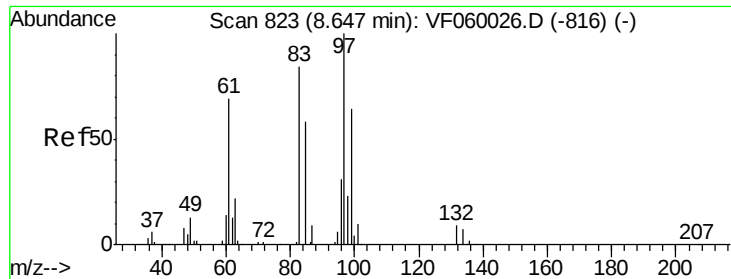
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#54
 cis-1,3-Dichloropropene
 Concen: 12.29 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion: 75 Resp: 16351
 Ion Ratio Lower Upper
 75 100
 77 29.2 24.6 37.0
 39 75.4 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 11.94 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

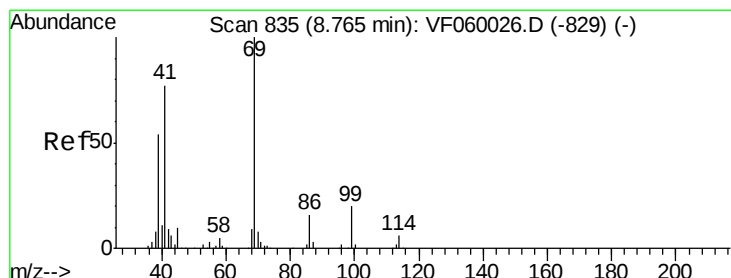
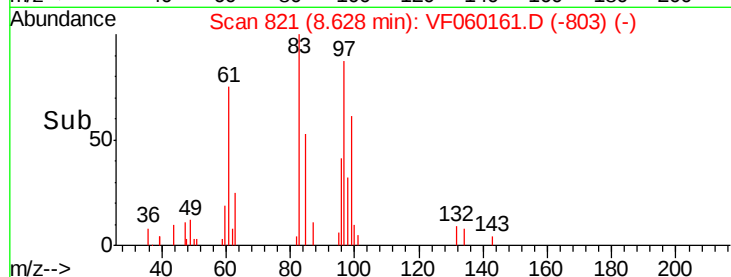
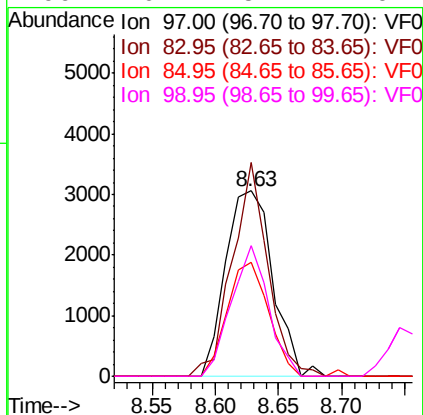
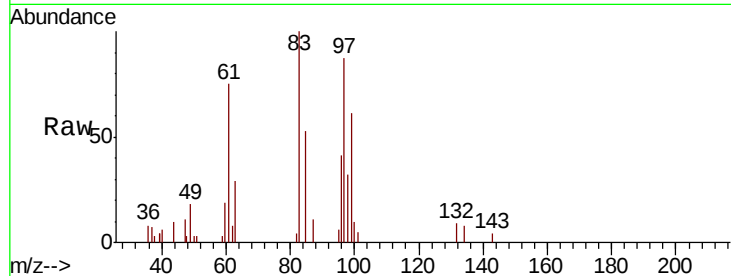
ClientSampleId :

VF0828SBS01

Tot Ion:	97	Resp:	7927
Ion	Ratio	Lower	Upper
97	100		
83	115.4	67.4	101.2#
85	61.6	46.2	69.2
99	70.4	51.1	76.7

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#56

Ethyl methacrylate

Concen: 8.56 ug/l

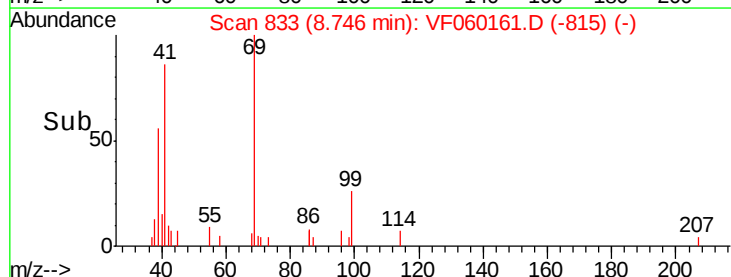
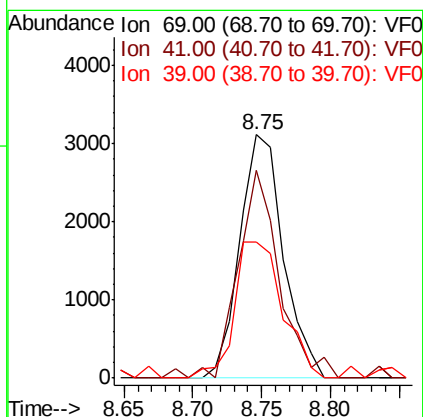
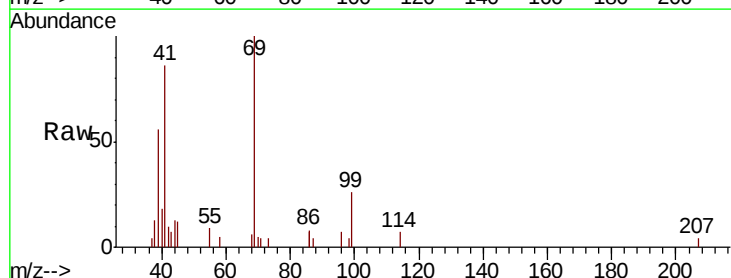
RT: 8.75 min Scan# 833

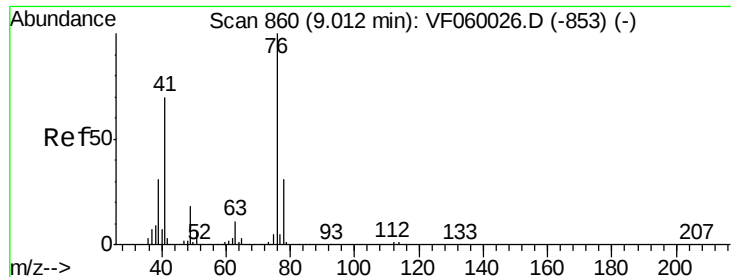
Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	69	Resp:	6875
Ion	Ratio	Lower	Upper
69	100		
41	85.6	61.6	92.4
39	55.7	43.9	65.9





#57

1,3-Dichloropropane

Concen: 11.61 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 76 Resp: 13537

Ion Ratio Lower Upper

76 100

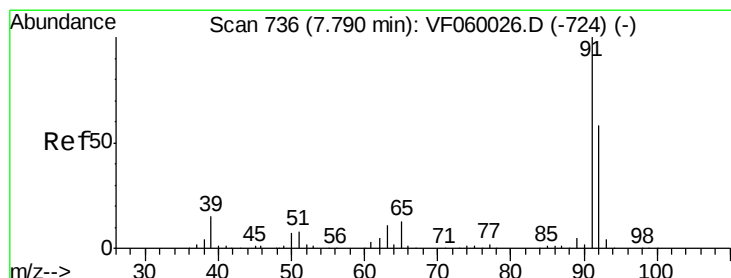
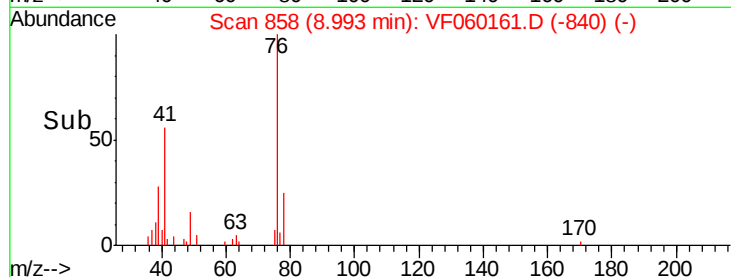
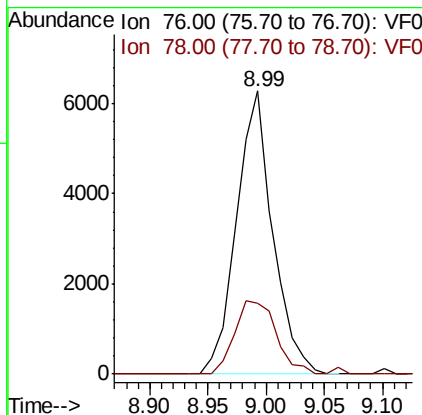
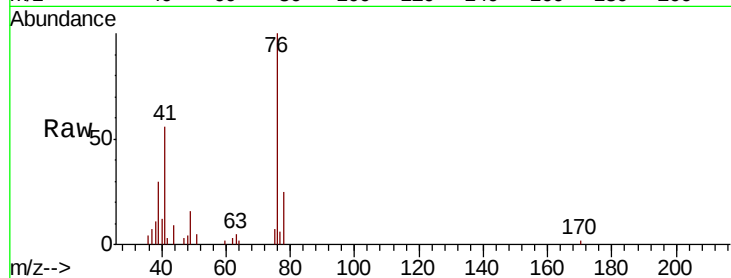
78 25.1 25.2 37.8#

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#58

2-Chloroethyl Vinyl ether

Concen: 122.44 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060161.D

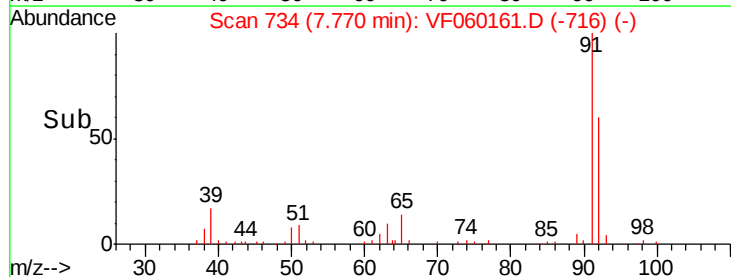
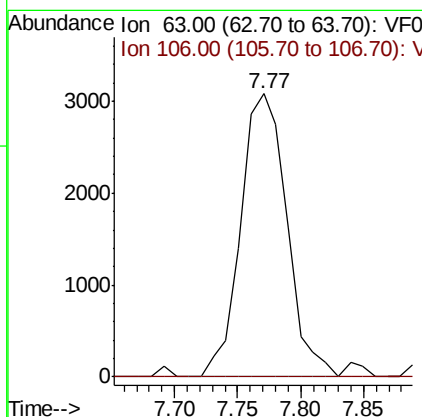
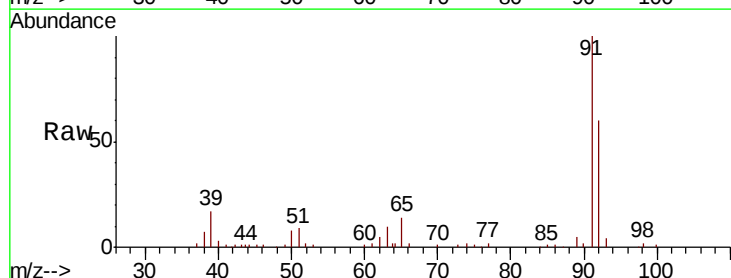
Acq: 28 Aug 2018 20:25

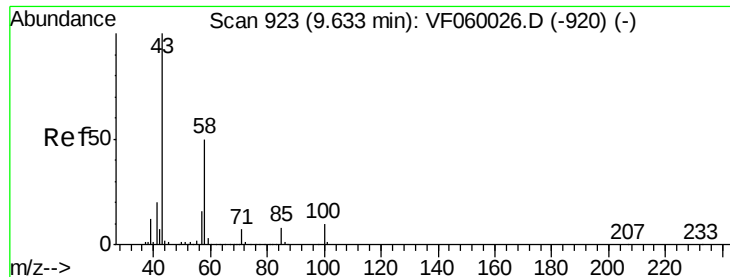
Tgt Ion: 63 Resp: 7807

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





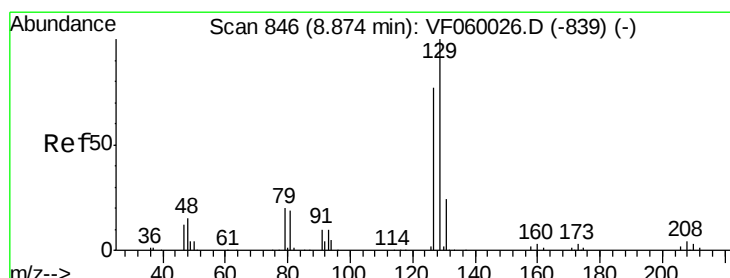
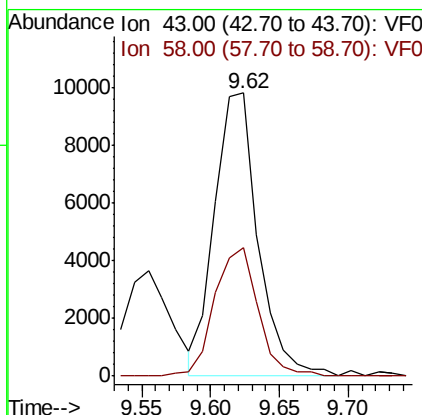
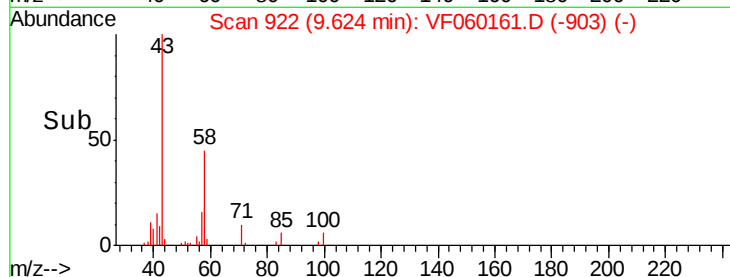
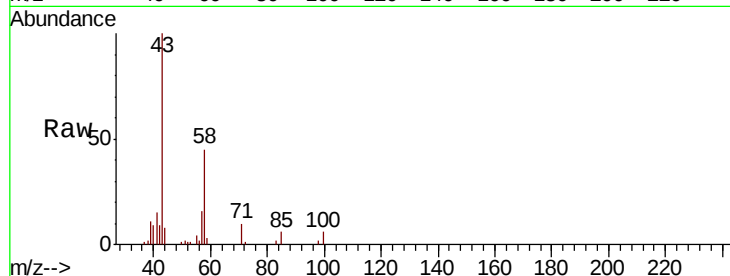
#59
2-Hexanone
Concen: 36.43 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion: 43 Resp: 21581
Ion Ratio Lower Upper
43 100
58 45.4 23.4 70.2

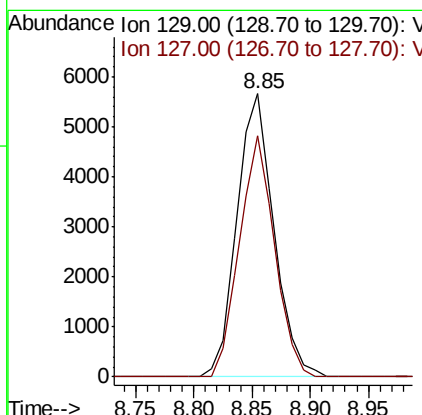
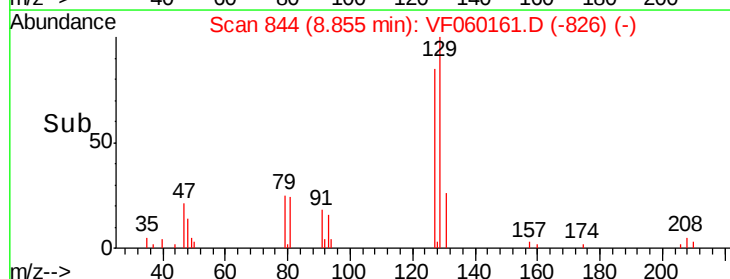
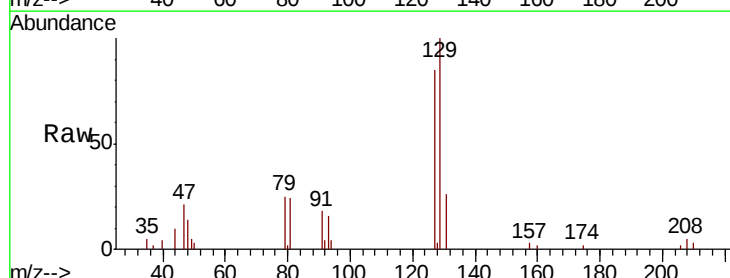
Manual Integrations
APPROVED

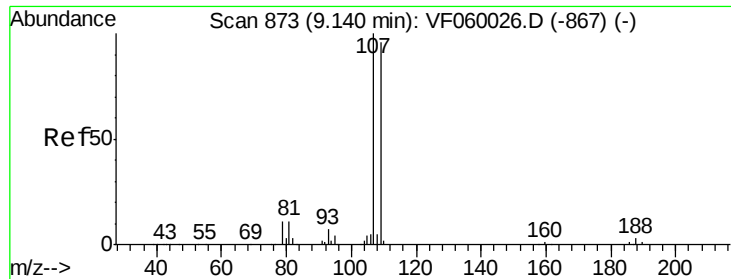
apatel
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#60
Dibromochloromethane
Concen: 12.69 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion: 129 Resp: 12430
Ion Ratio Lower Upper
129 100
127 85.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 10.56 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 107 Resp: 8233

Ion Ratio Lower Upper

107 100

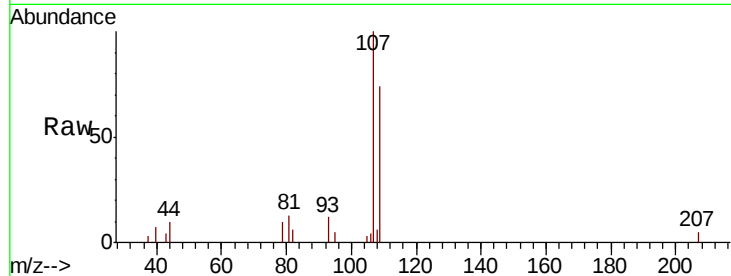
109 74.0 76.5 114.7#

Manual Integrations

APPROVED

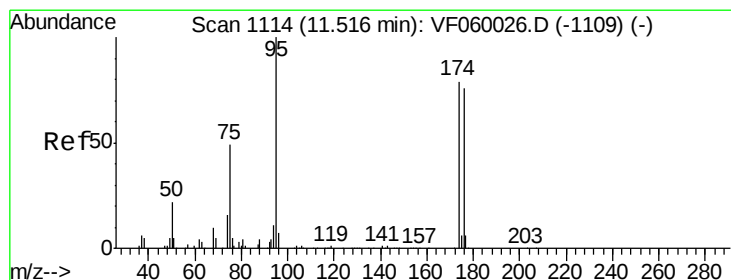
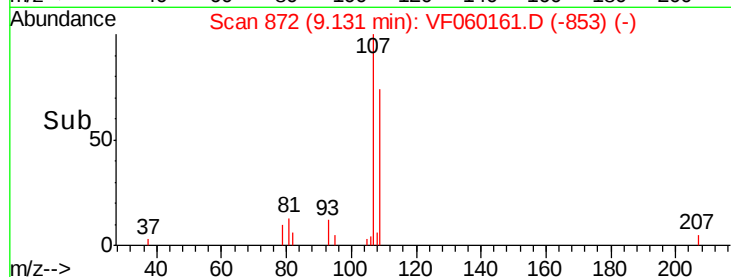
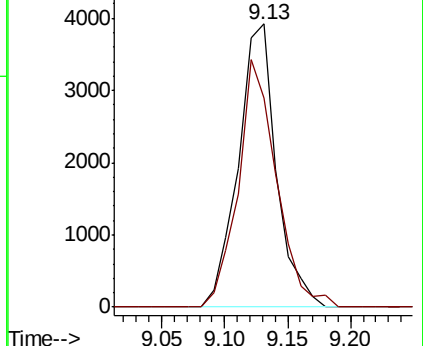
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 37.90 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

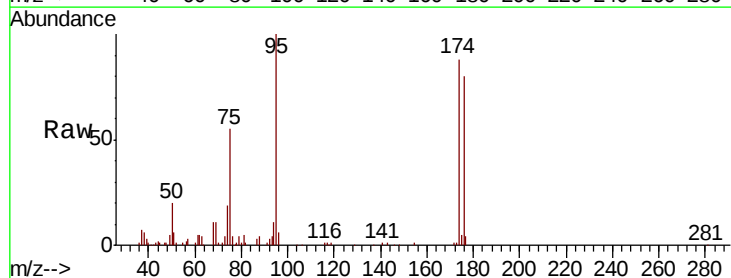
Tgt Ion: 95 Resp: 53565

Ion Ratio Lower Upper

95 100

174 88.1 0.0 158.4

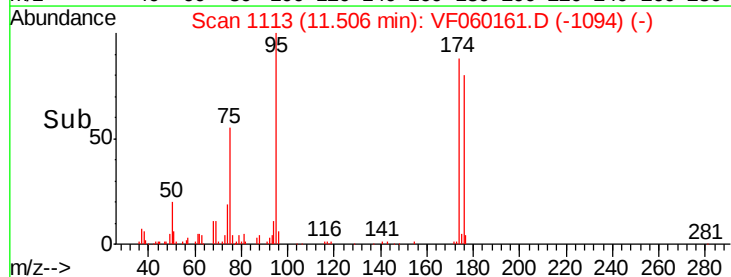
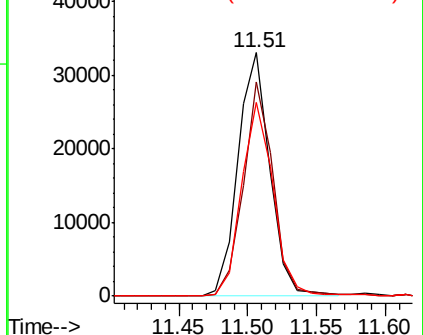
176 79.8 0.0 153.0

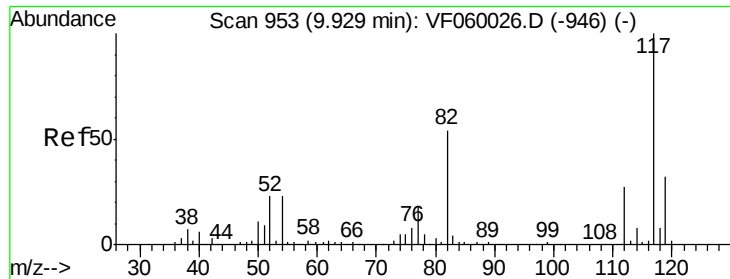


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





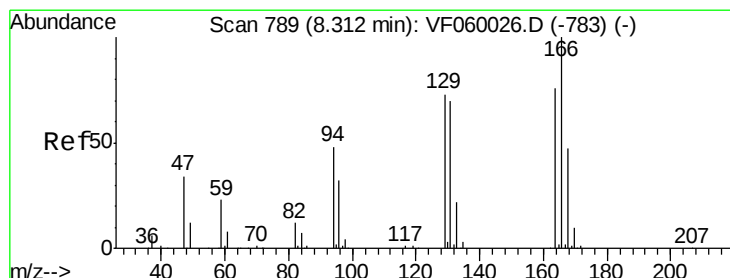
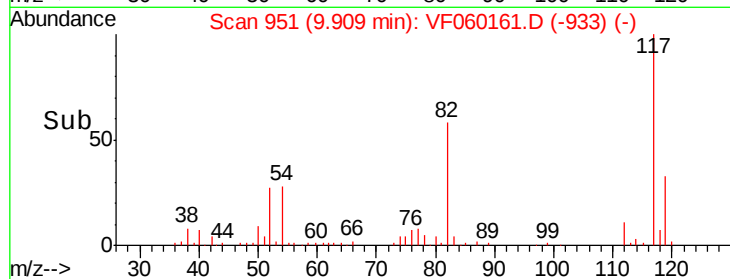
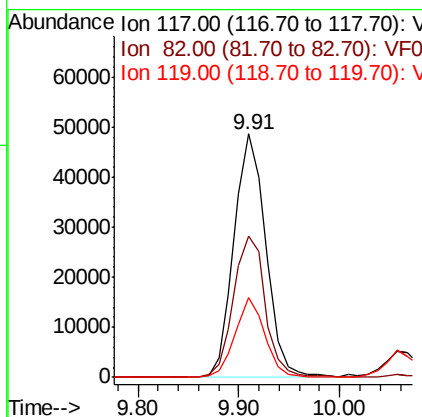
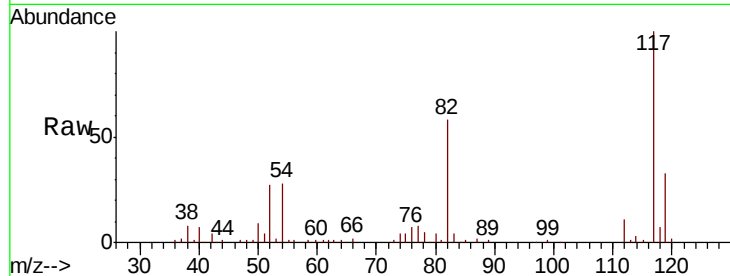
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	43.6	65.4
119	32.8	25.6	38.4

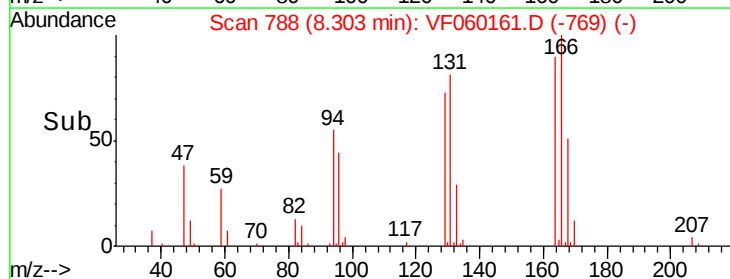
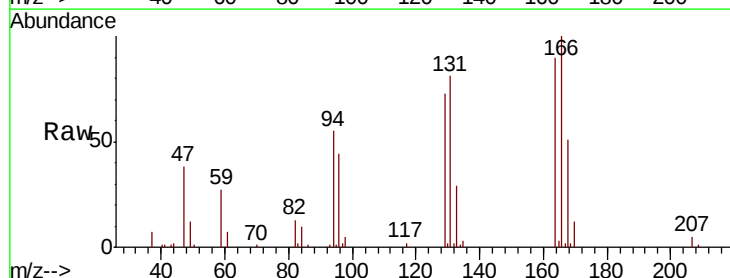
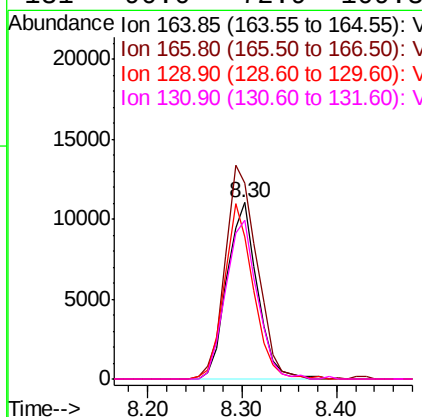
Manual Integrations
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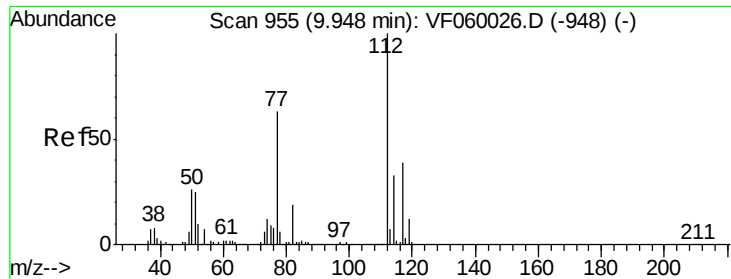
apatel
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#64
Tetrachloroethene
Concen: 34.05 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.9	104.7	157.1
129	80.7	77.0	115.4
131	90.0	72.9	109.3





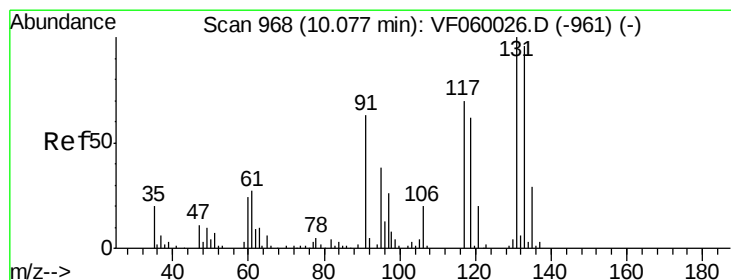
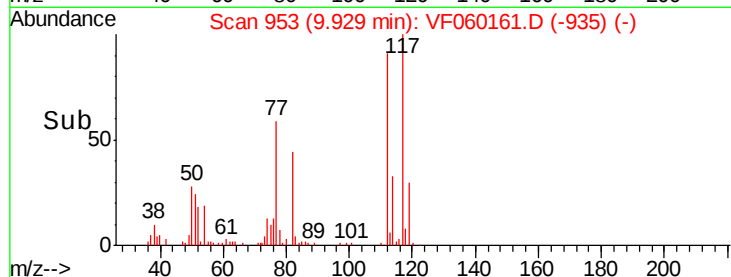
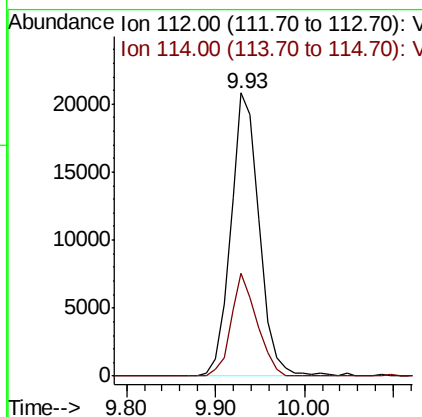
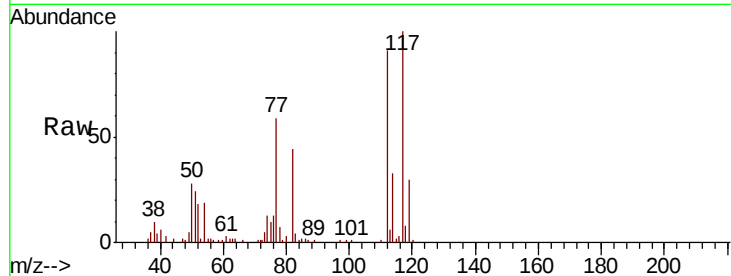
#65
Chlorobenzene
Concen: 22.87 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.4	26.2	39.2

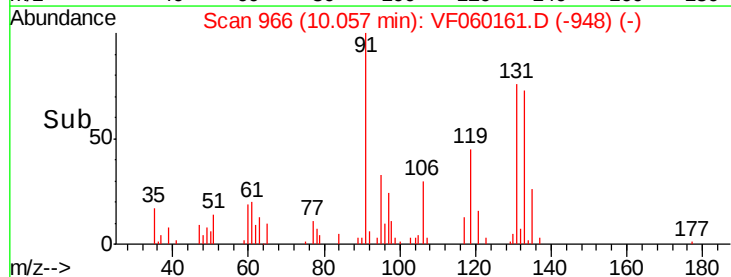
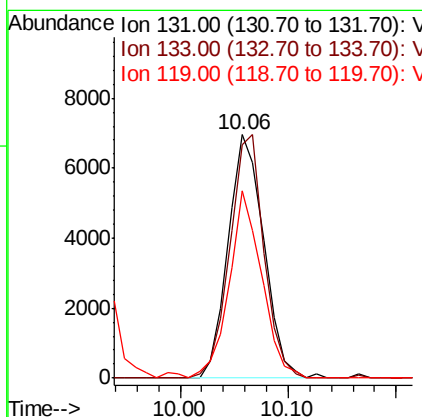
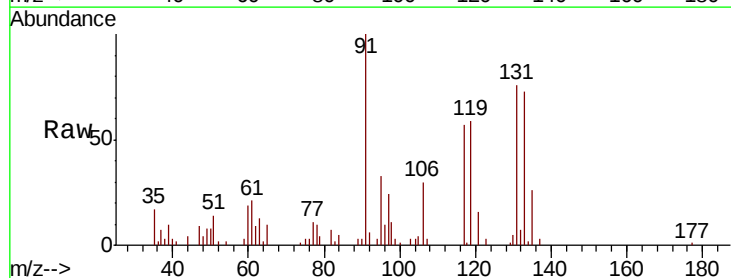
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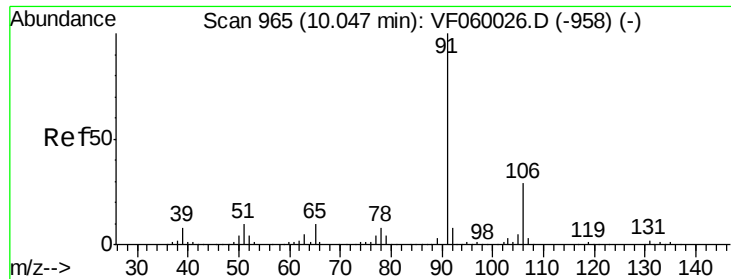
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.73 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.2	144.6
119	77.2	31.4	94.2





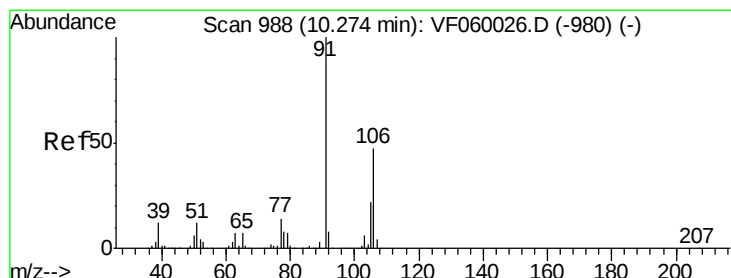
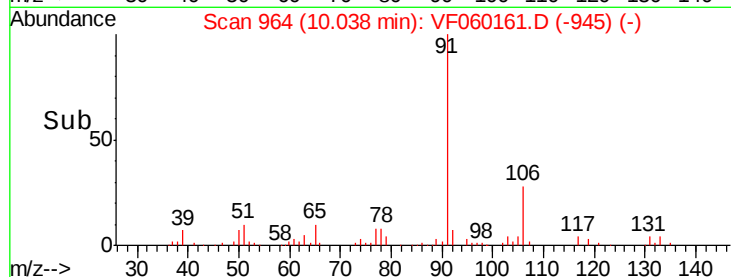
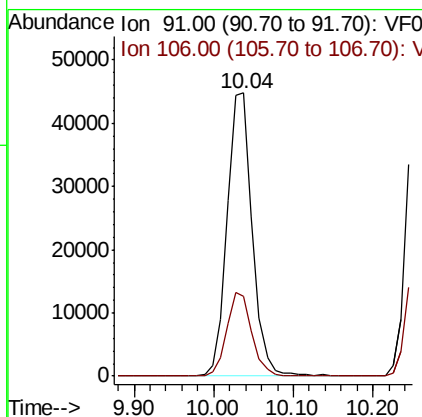
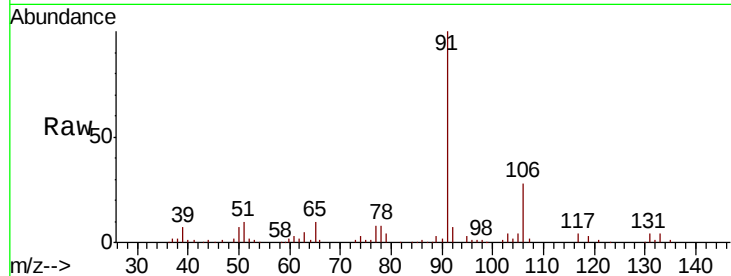
#67
Ethyl Benzene
Concen: 28.51 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion: 91 Resp: 99543
Ion Ratio Lower Upper
91 100
106 28.0 23.6 35.4

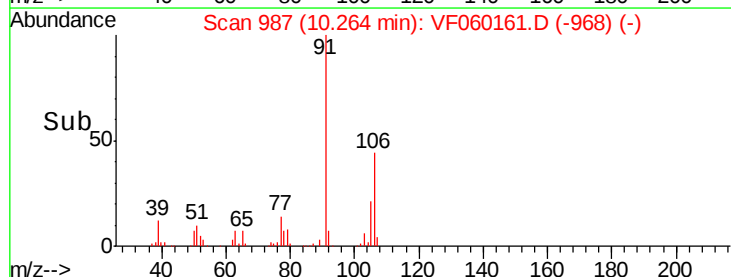
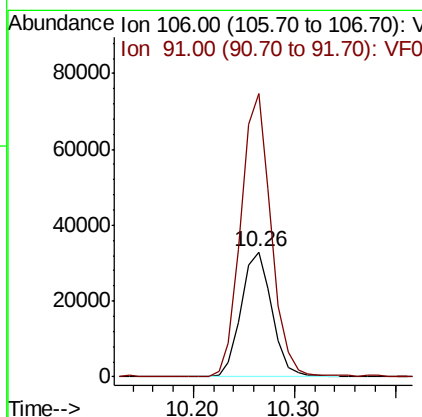
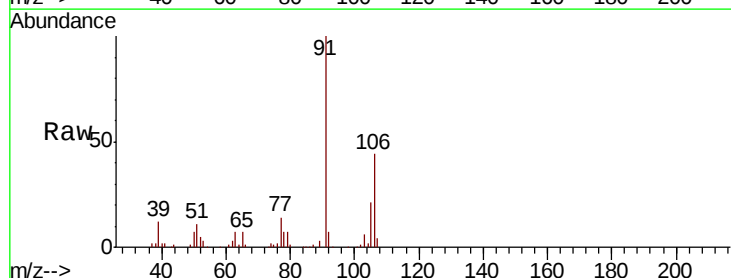
Manual Integrations
APPROVED

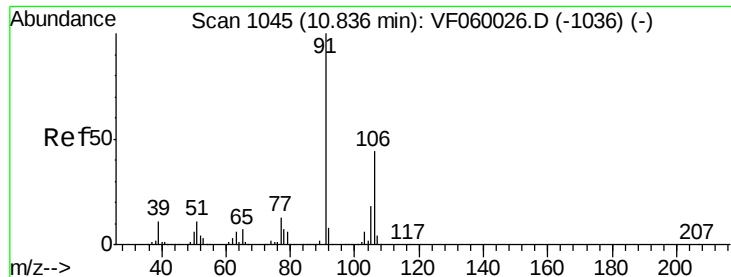
apatel
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#68
m/p-Xylenes
Concen: 57.68 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion:106 Resp: 70380
Ion Ratio Lower Upper
106 100
91 226.0 171.8 257.8





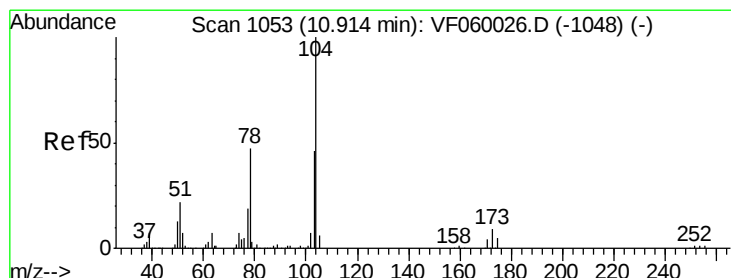
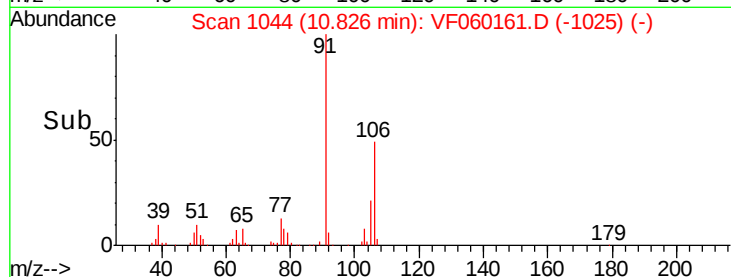
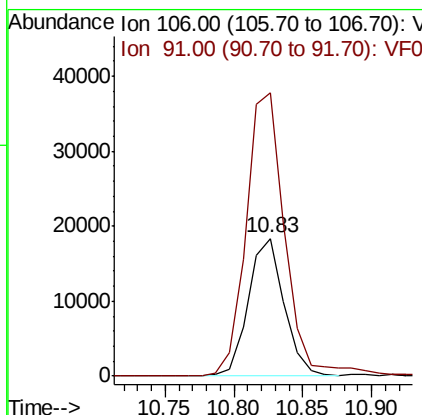
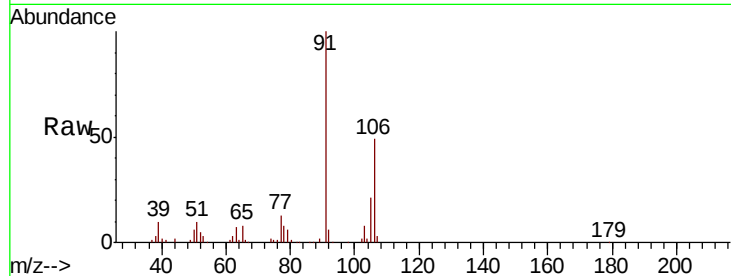
#69
o-Xylene
Concen: 24.28 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:106 Resp: 33204
Ion Ratio Lower Upper
106 100
91 205.8 112.5 337.5

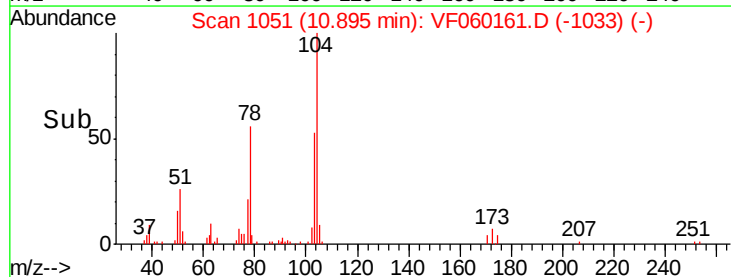
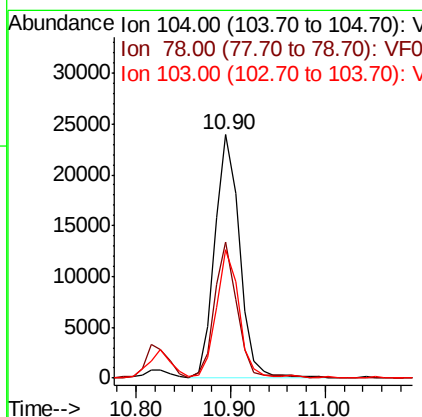
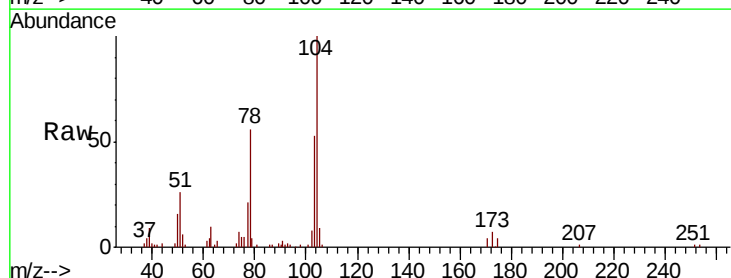
Manual Integrations
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#70
Styrene
Concen: 20.82 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion:104 Resp: 43691
Ion Ratio Lower Upper
104 100
78 55.8 38.0 57.0
103 52.8 37.6 56.4





#71

Bromoform

Concen: 12.23 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

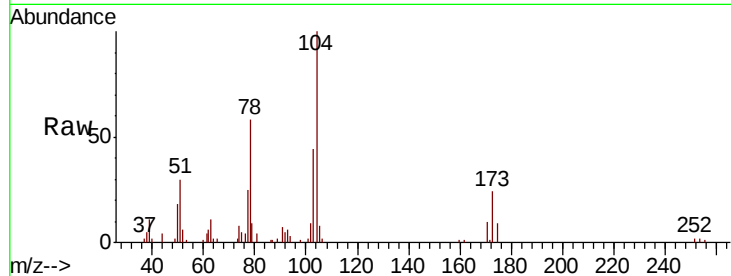
ClientSampleId :

VF0828SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	35.9	24.7	74.1
254	0.0	0.0	0.0

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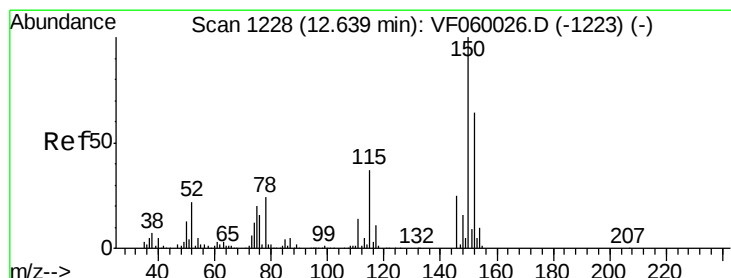
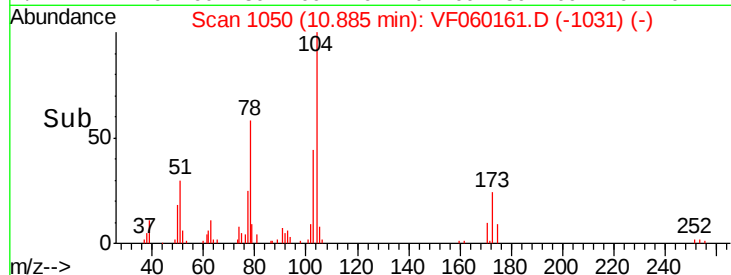
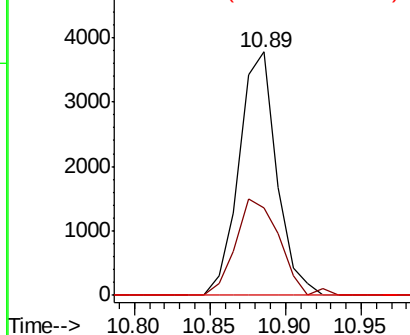


Abundance

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: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

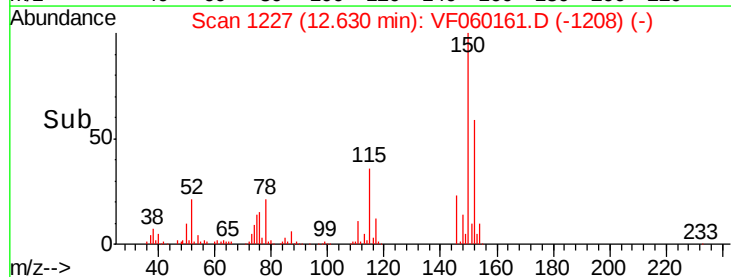
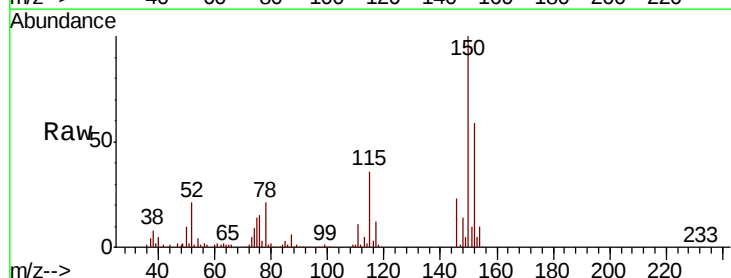
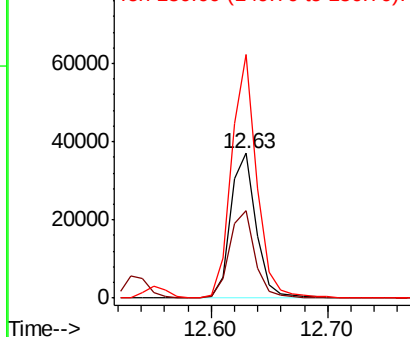
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	28.6	85.9
150	168.6	0.0	312.0

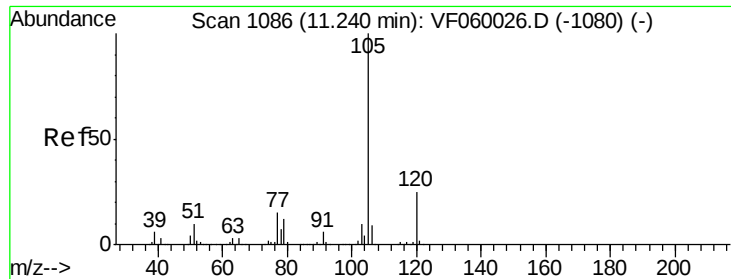
Abundance

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: 34.78 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:105 Resp: 117077

Ion Ratio Lower Upper

105 100

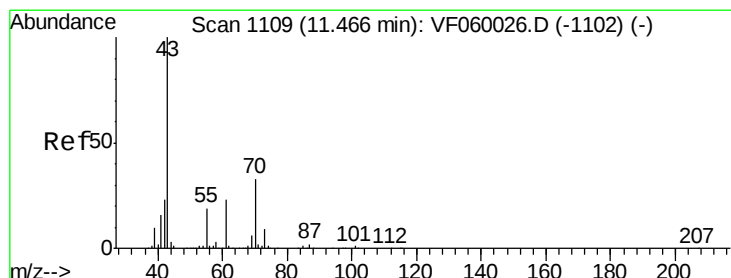
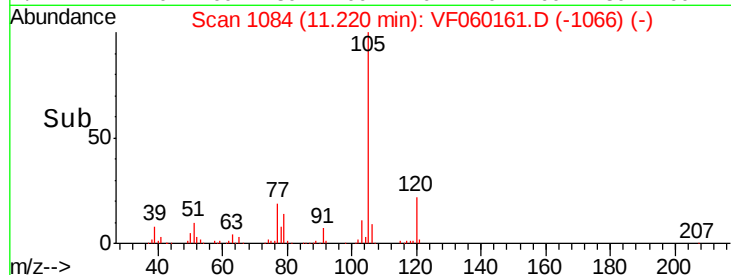
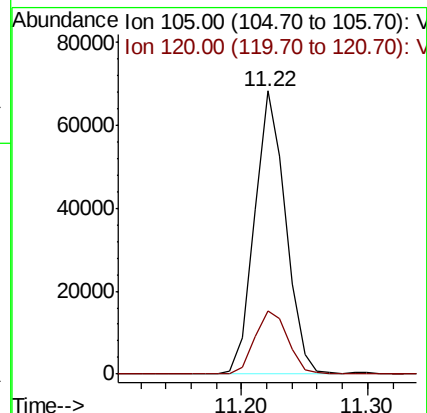
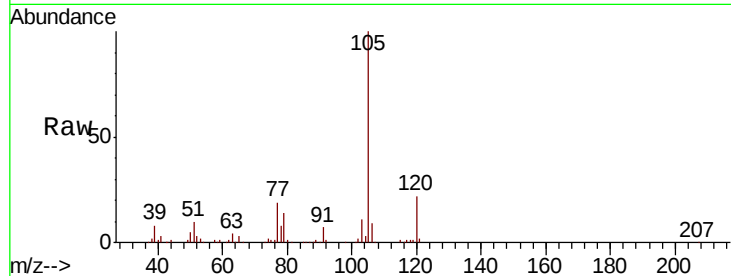
120 22.3 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 9.91 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion: 43 Resp: 10373

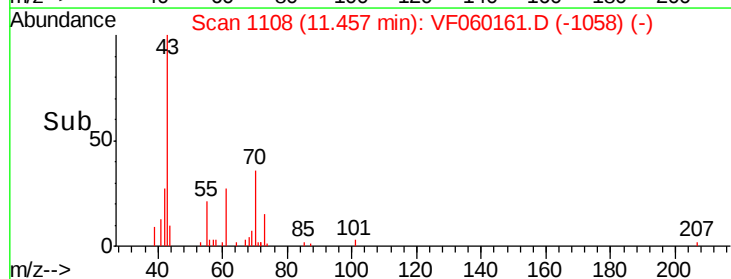
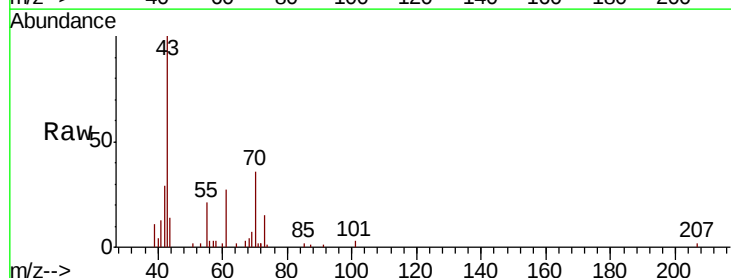
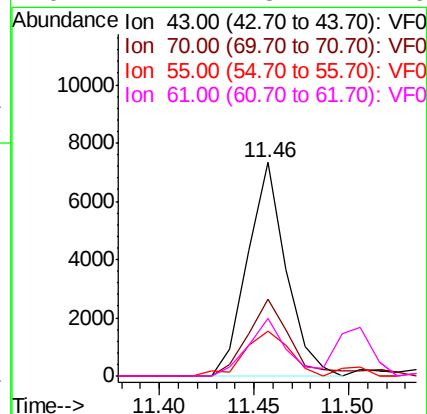
Ion Ratio Lower Upper

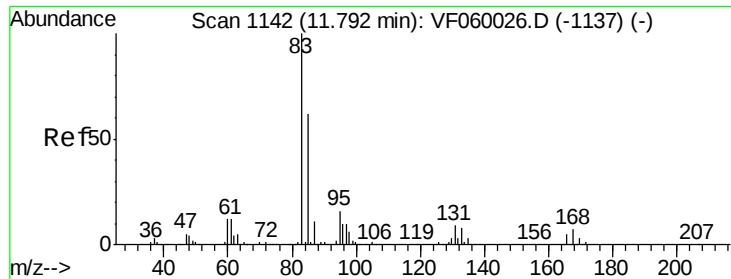
43 100

70 35.9 26.4 39.6

55 21.0 15.0 22.4

61 27.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 12.90 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

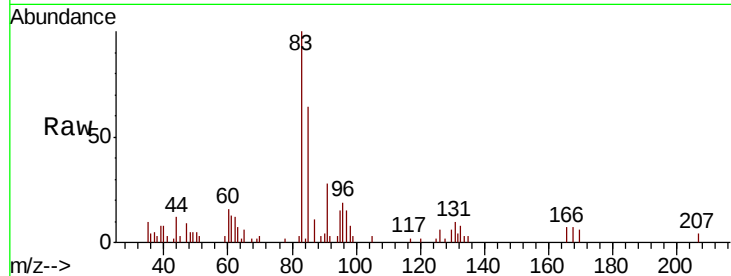
ClientSampleId :

VF0828SBS01

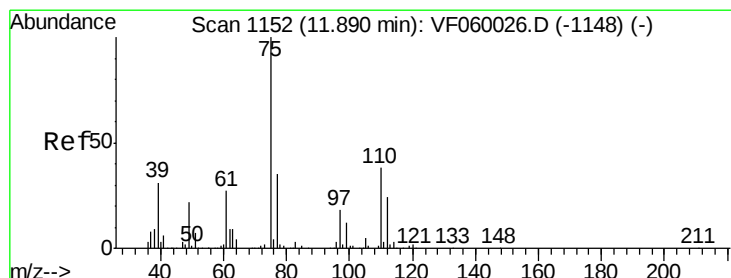
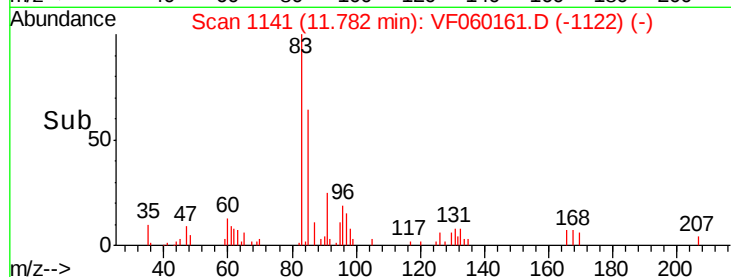
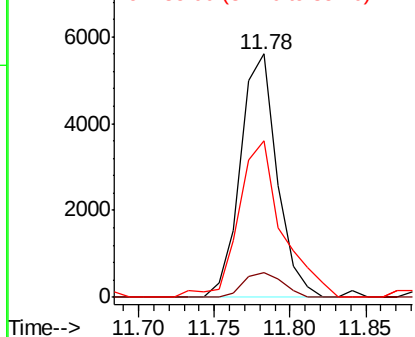
Tot Ion:	83	Resp:	9485
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.5	13.7
85	64.4	31.3	93.9

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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: 14.81 ug/l

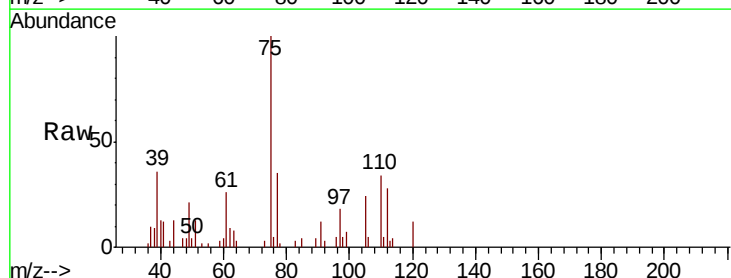
RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

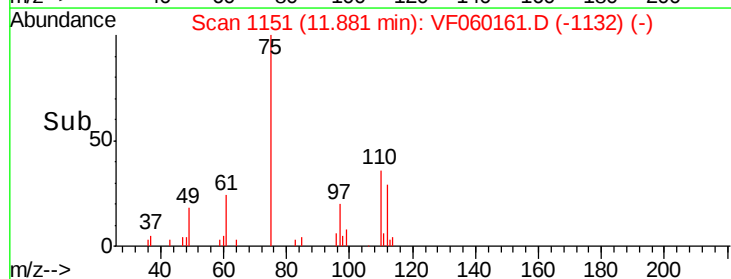
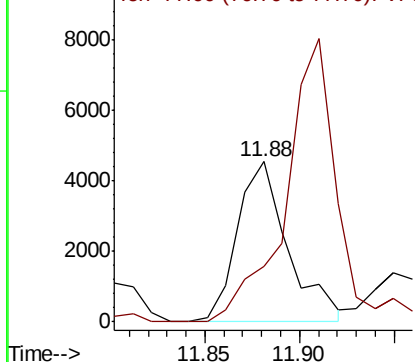
Lab File: VF060161.D

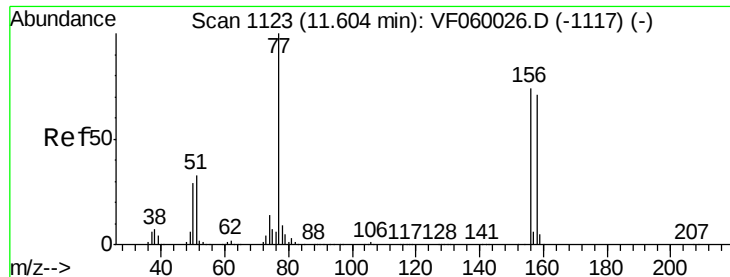
Acq: 28 Aug 2018 20:25

Tgt Ion:	75	Resp:	8443
Ion Ratio	Lower	Upper	
75	100		
77	34.5	17.3	52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.62 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

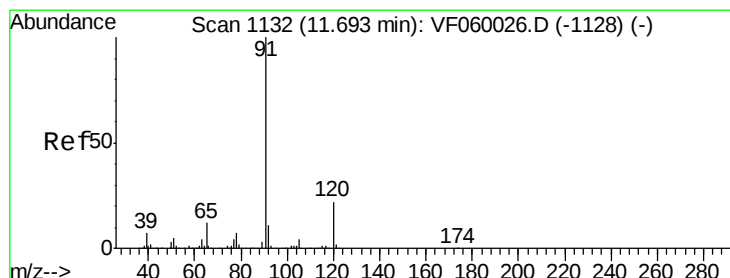
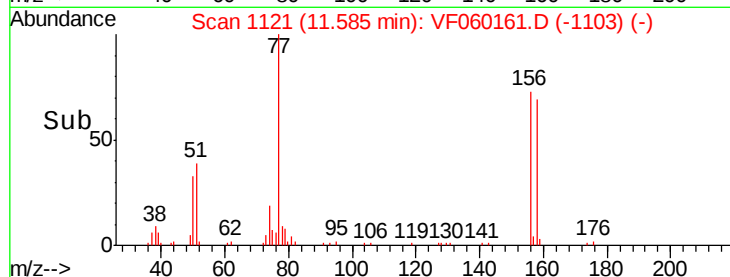
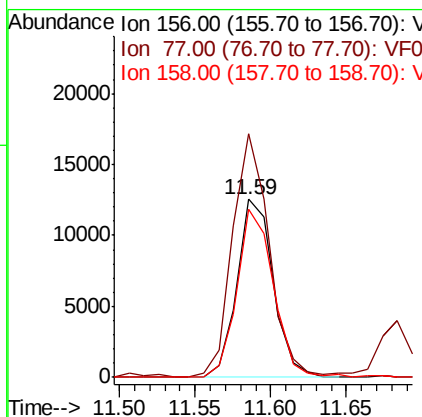
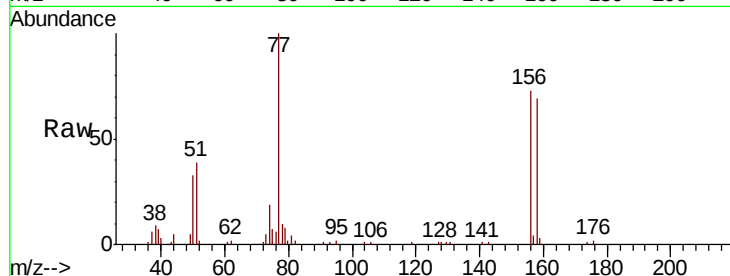
ClientSampleId :

VF0828SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.0	68.0	204.0	
158	94.3	48.4	145.3	

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#78

n-propylbenzene

Concen: 35.59 ug/l

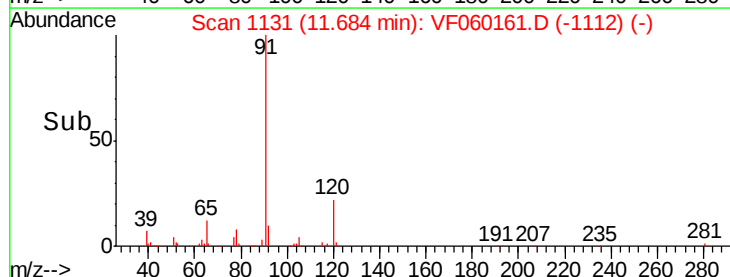
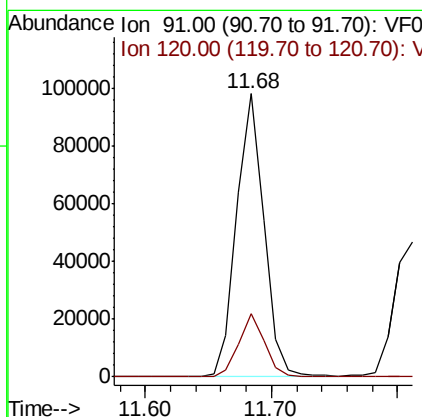
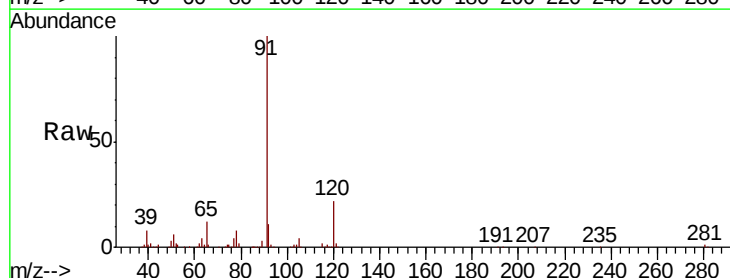
RT: 11.68 min Scan# 1131

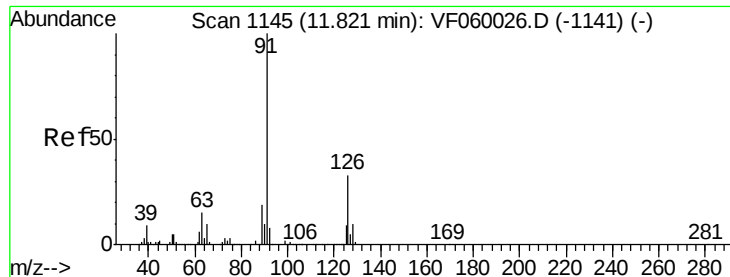
Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	10.9	32.7	





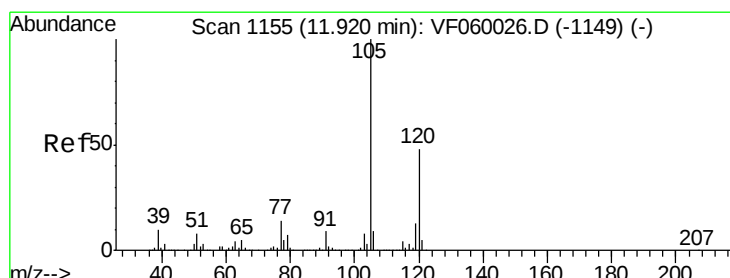
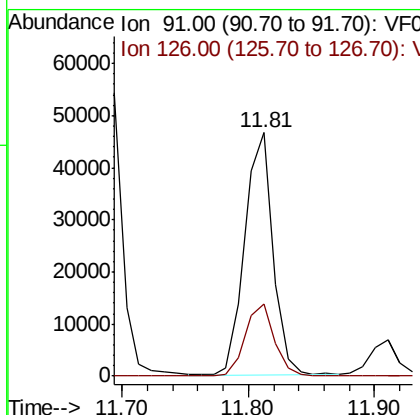
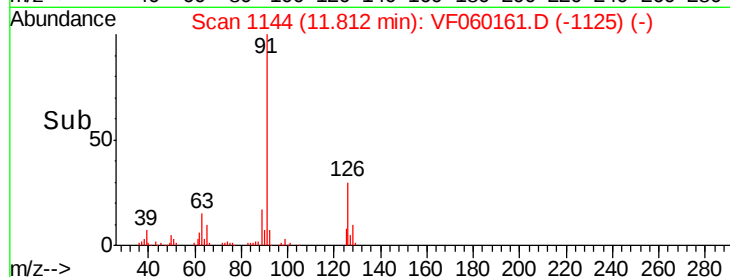
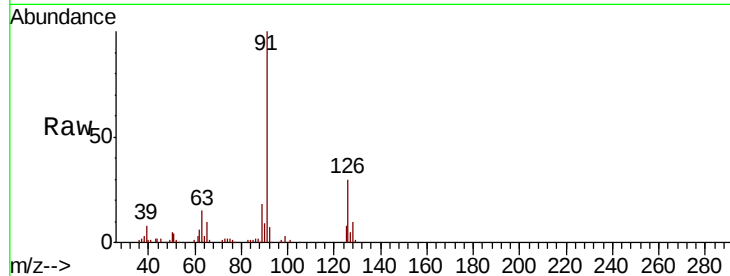
#79
 2-Chlorotoluene
 Concen: 29.71 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion: 91 Resp: 72575
 Ion Ratio Lower Upper
 91 100
 126 29.6 16.6 49.7

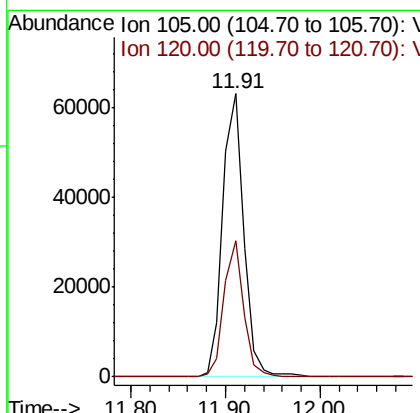
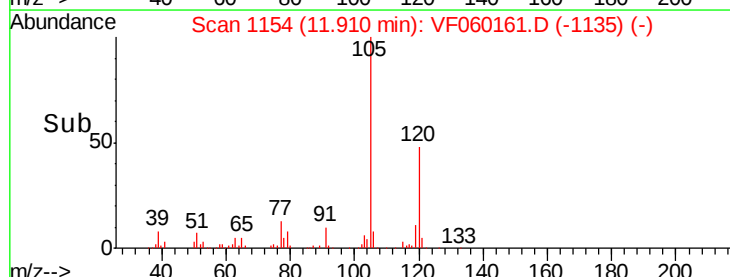
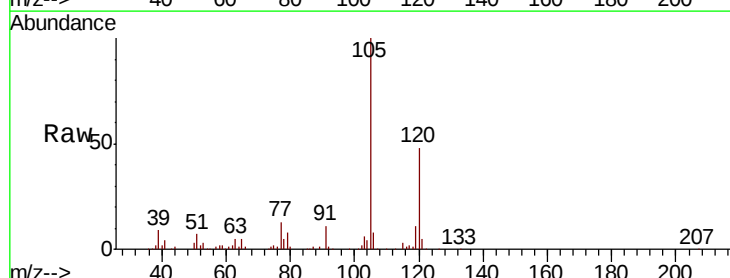
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#80
 1,3,5-Trimethylbenzene
 Concen: 33.29 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion: 105 Resp: 97631
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 11.16 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

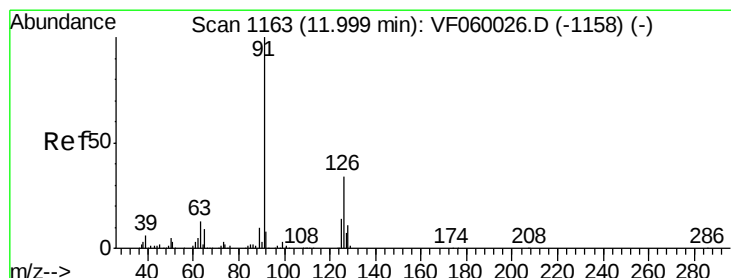
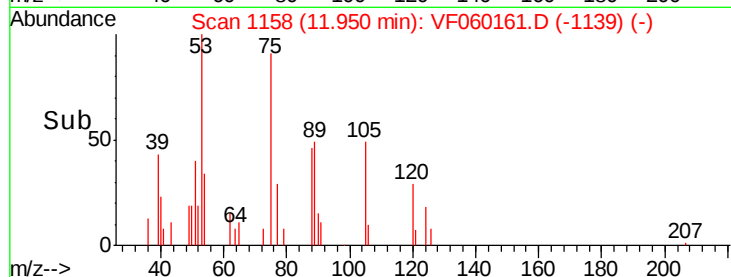
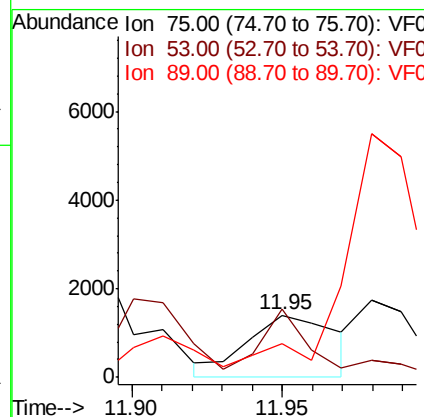
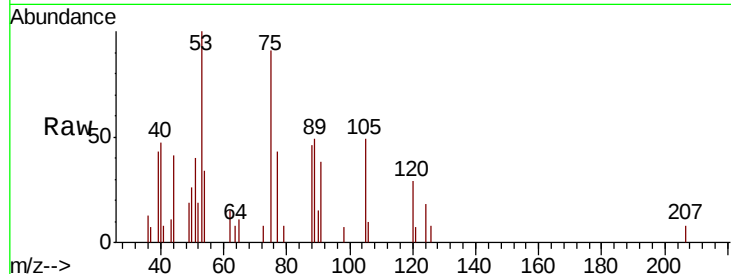
ClientSampleId :

VF0828SBSD01

Tot Ion:	75	Resp:	2910
Ion Ratio	Lower	Upper	
75	100		
53	110.1	66.2	99.4#
89	53.5	42.8	64.2

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#82

4-Chlorotoluene

Concen: 28.15 ug/l

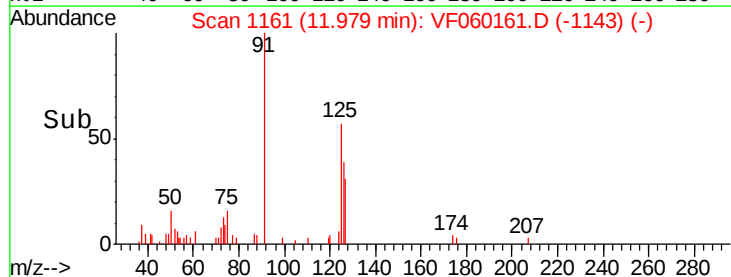
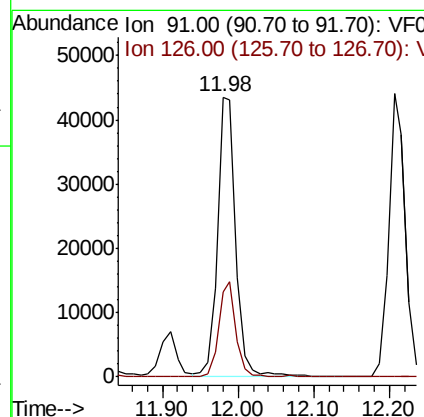
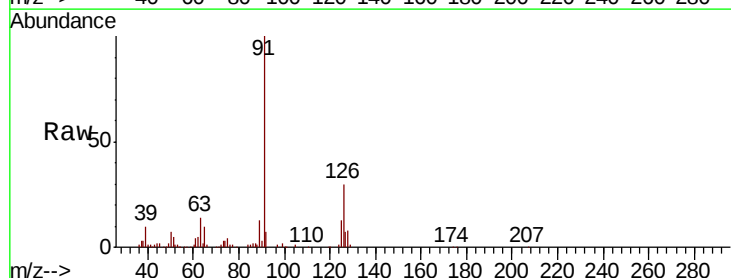
RT: 11.98 min Scan# 1161

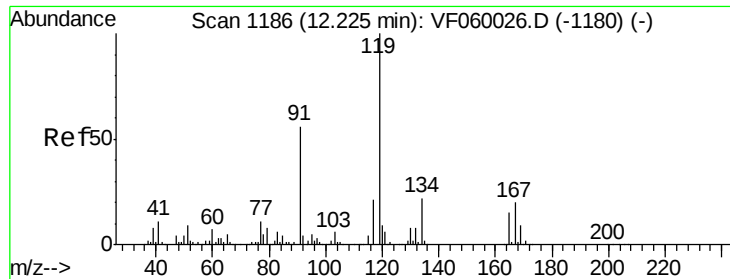
Delta R.T. -0.02 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	91	Resp:	74648
Ion Ratio	Lower	Upper	
91	100		
126	30.3	17.0	50.9





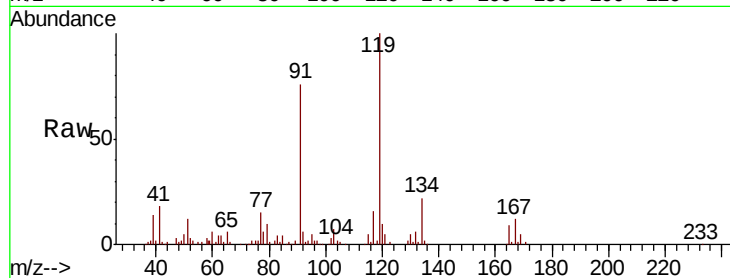
#83
 tert-Butylbenzene
 Concen: 34.23 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.5	28.1	84.3
134	21.9	11.1	33.3

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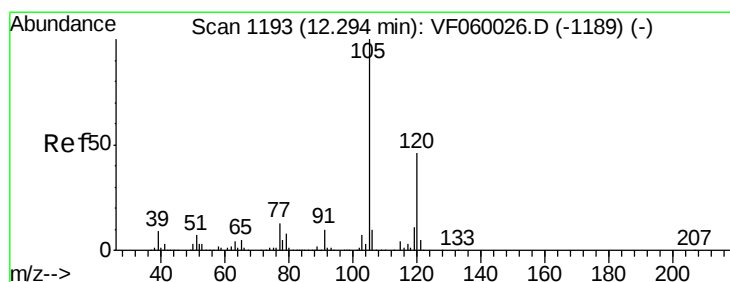
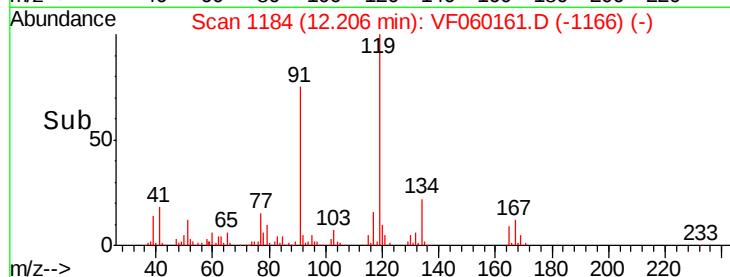
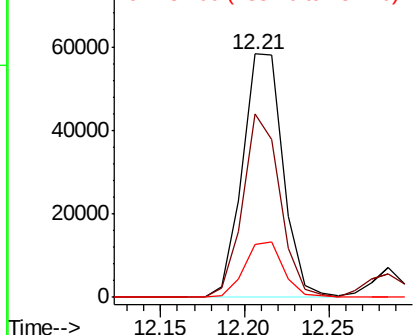


Abundance

Ion 119.00 (118.70 to 119.70): V

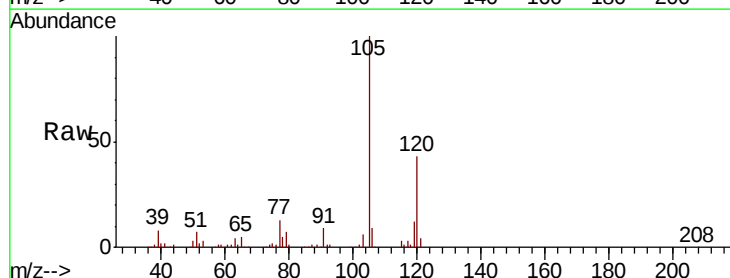
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 28.73 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

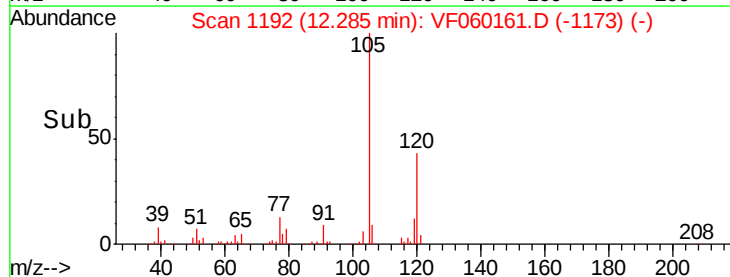
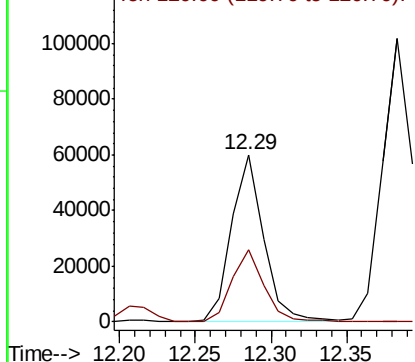
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	23.3	69.8

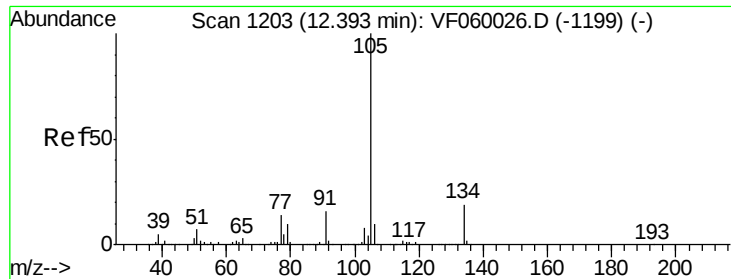


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 36.51 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:105 Resp: 145377

Ion Ratio Lower Upper

105 100

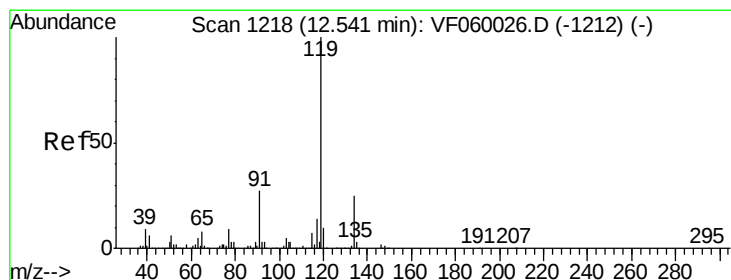
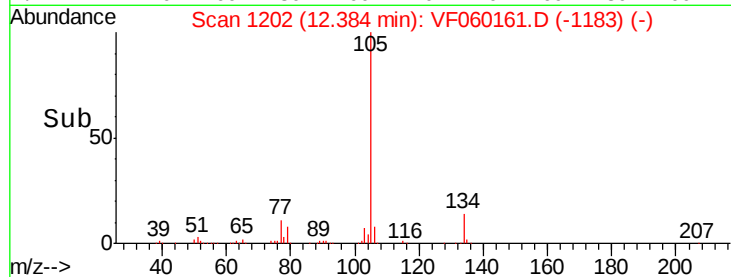
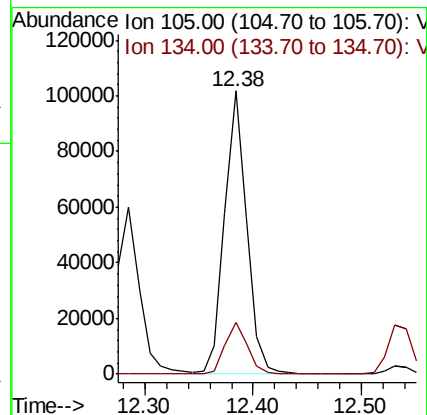
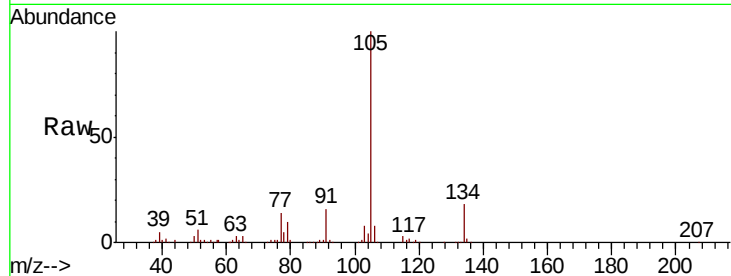
134 18.2 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 34.80 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

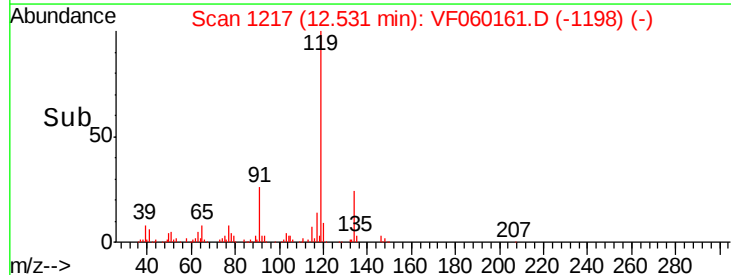
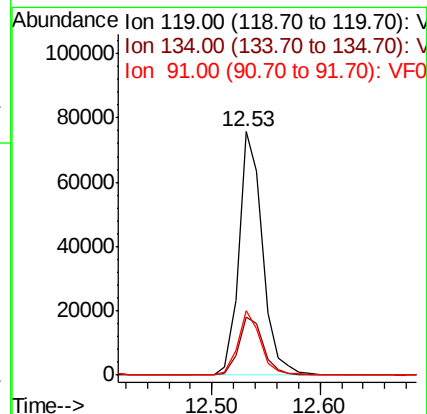
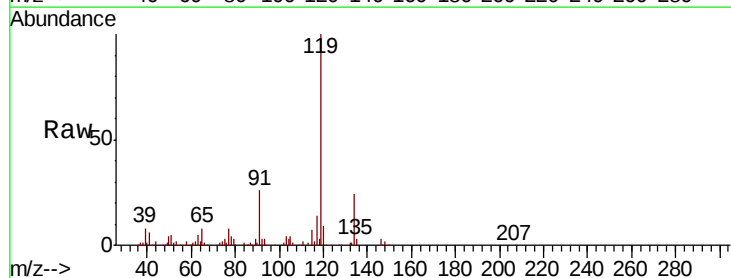
Tgt Ion:119 Resp: 114959

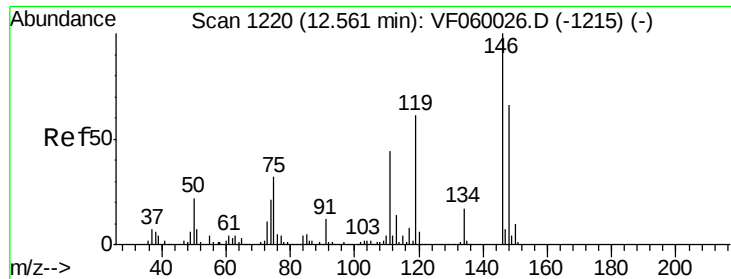
Ion Ratio Lower Upper

119 100

134 23.6 12.4 37.2

91 26.5 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 24.52 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Instrument :

MSVOA_F

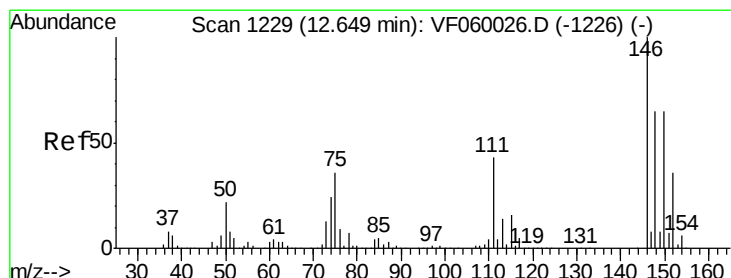
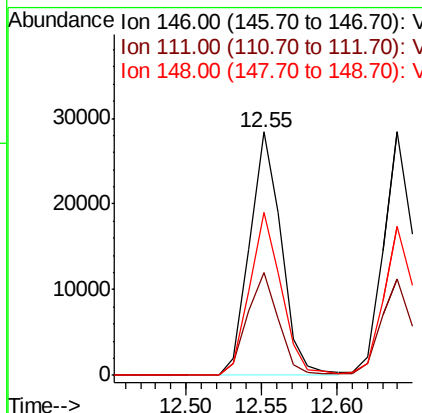
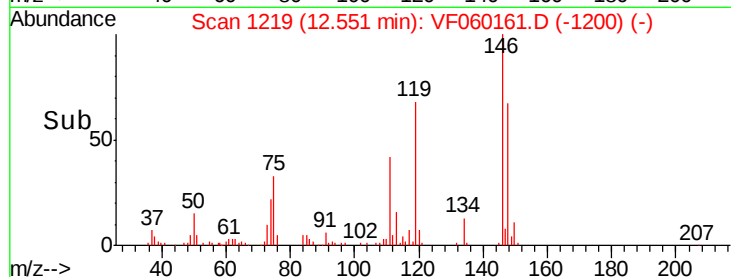
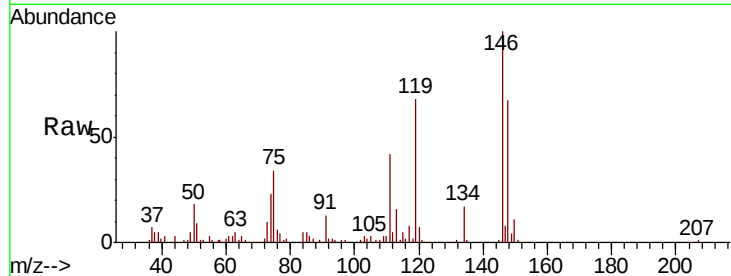
ClientSampleId :

VF0828SBSD01

Tot Ion:	146	Resp:	41508
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.9	65.5
148	66.9	32.9	98.7

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#88

1,4-Dichlorobenzene

Concen: 24.16 ug/l

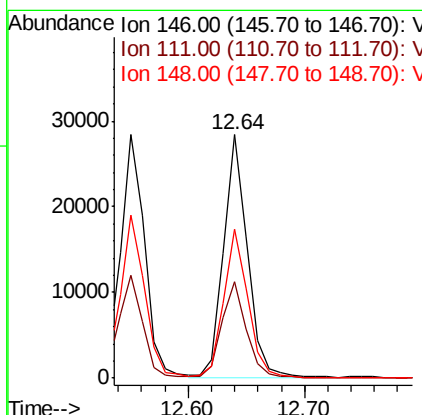
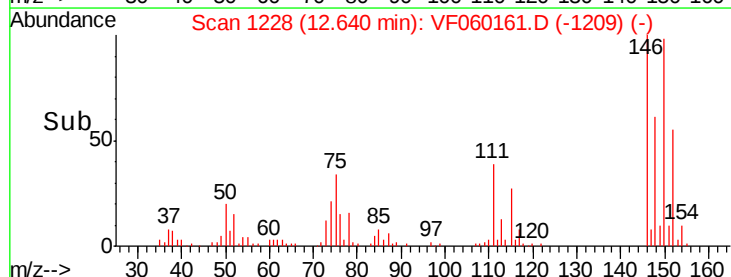
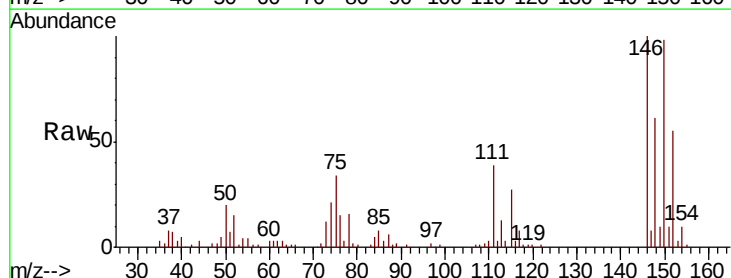
RT: 12.64 min Scan# 1228

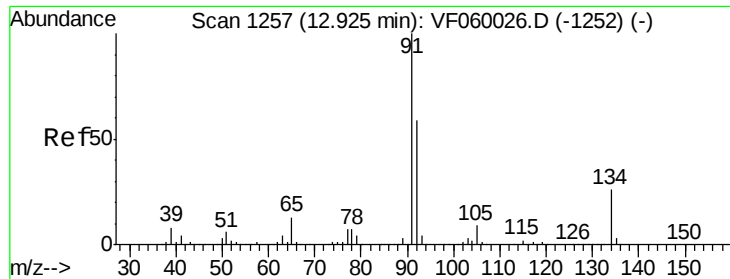
Delta R.T. -0.01 min

Lab File: VF060161.D

Acq: 28 Aug 2018 20:25

Tgt Ion:	146	Resp:	40635
Ion Ratio	Lower	Upper	
146	100		
111	39.5	21.6	64.8
148	61.4	32.3	96.8





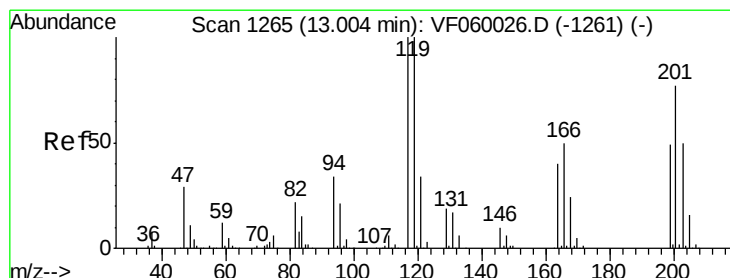
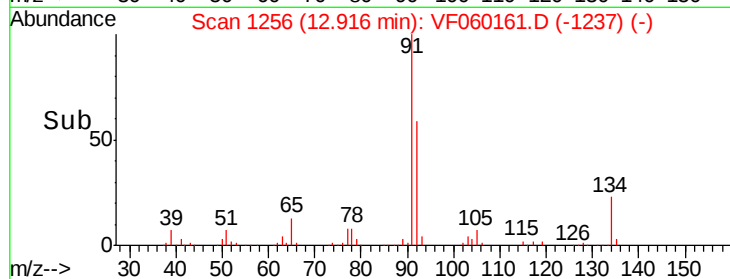
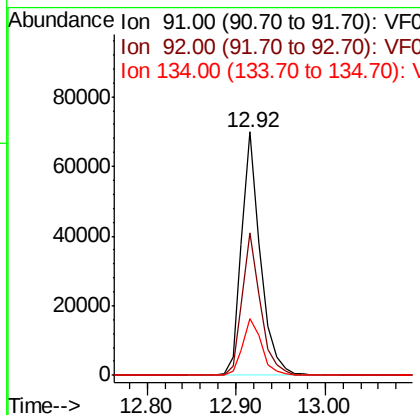
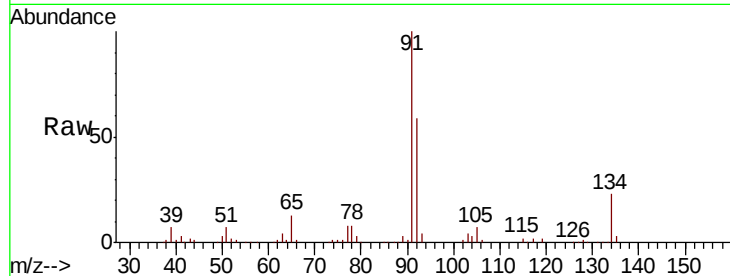
#89
n-Butylbenzene
Concen: 32.06 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	102881		
92	58.8	29.3	87.9	
134	23.3	12.8	38.3	

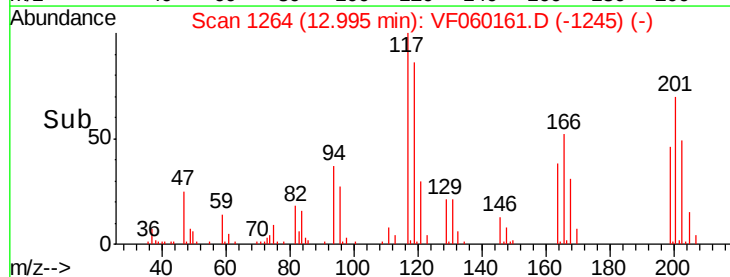
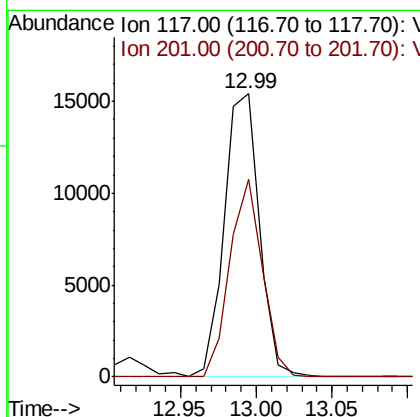
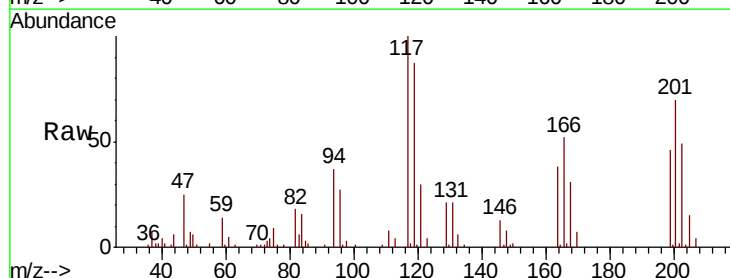
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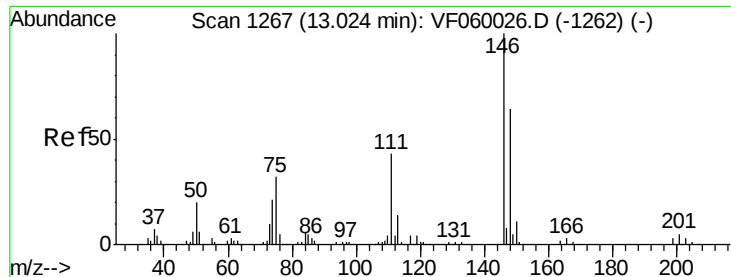
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#90
Hexachloroethane
Concen: 33.50 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24866		
201	71.8	38.6	115.8	





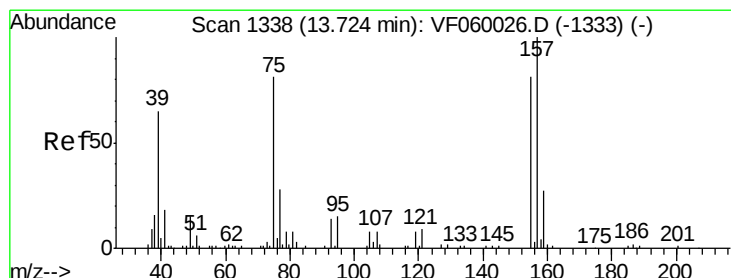
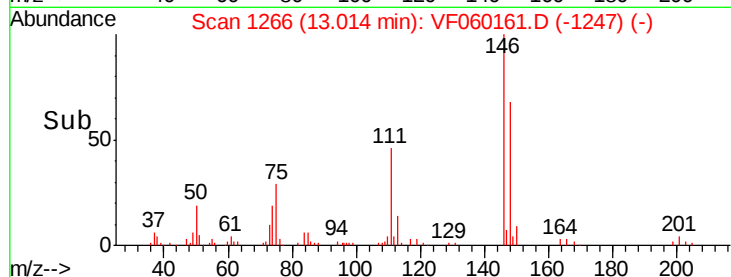
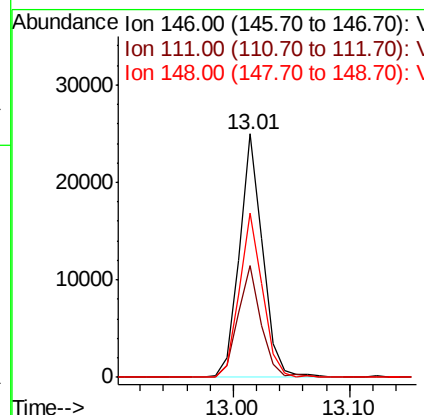
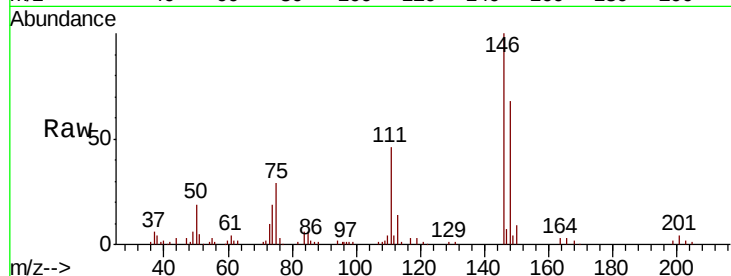
#91
 1,2-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.6	64.6
148	67.7	32.3	96.8

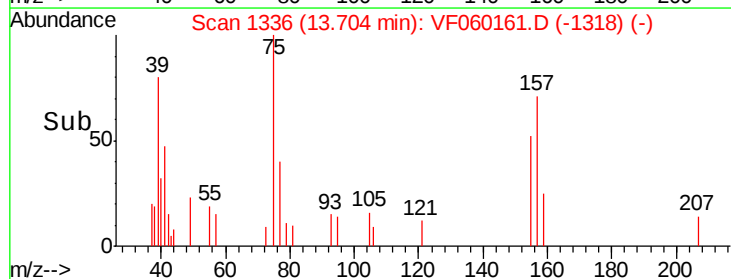
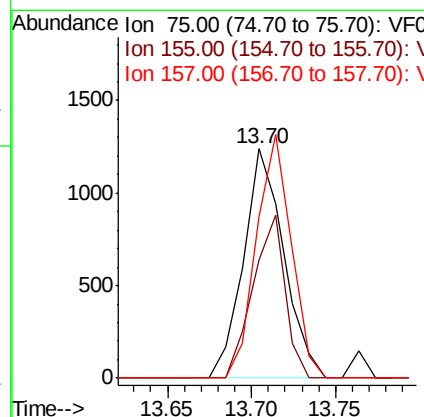
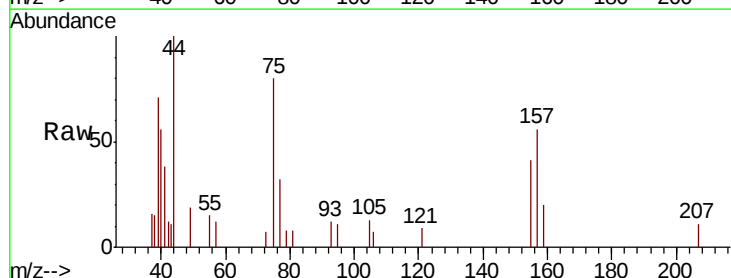
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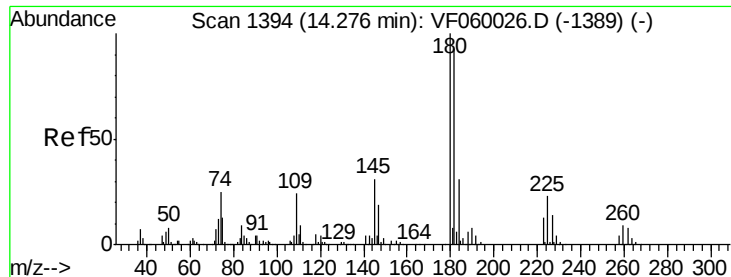
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.70 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.7	49.8	149.3
157	70.6	61.6	184.7





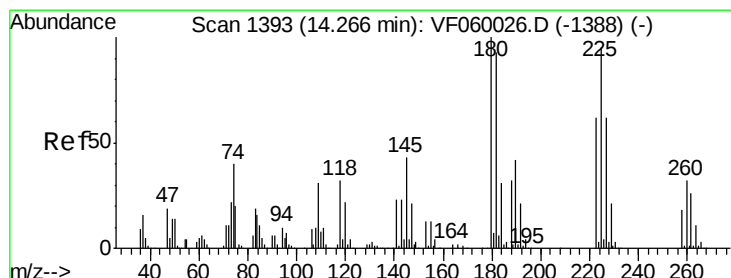
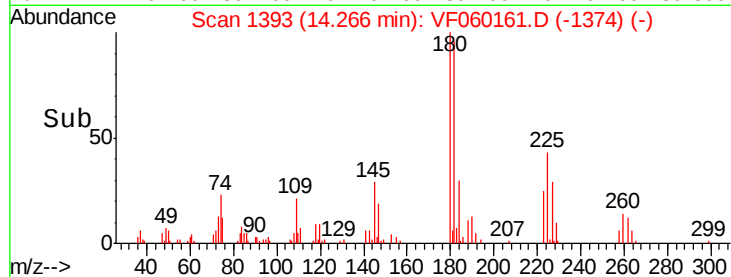
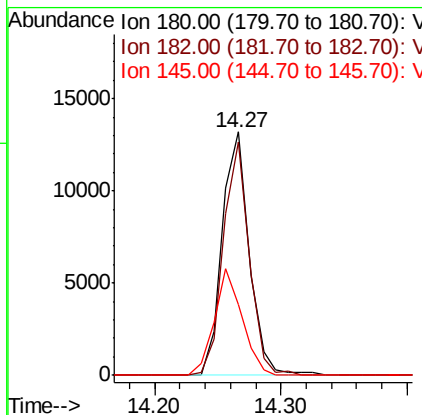
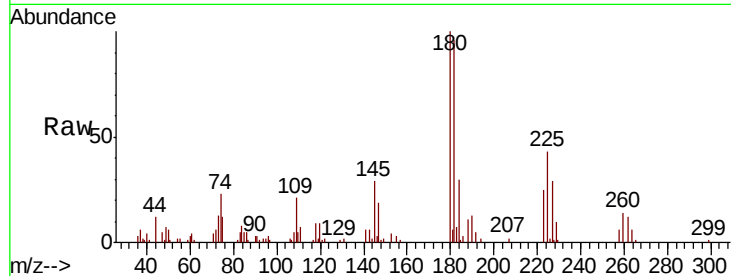
#93
 1,2,4-Trichlorobenzene
 Concen: 16.37 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19616		
182	96.1	46.8	140.3	
145	29.0	15.4	46.4	

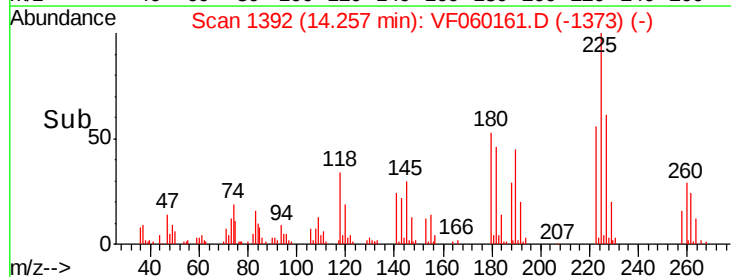
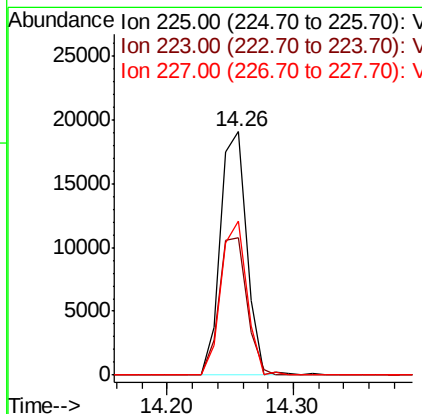
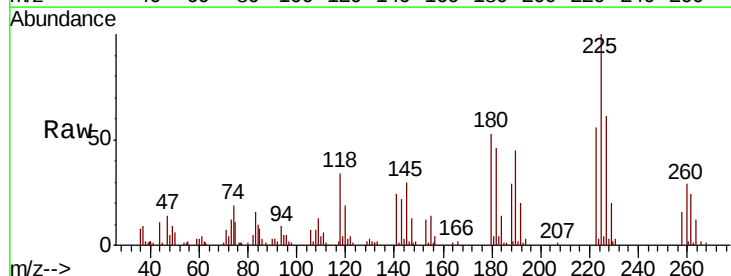
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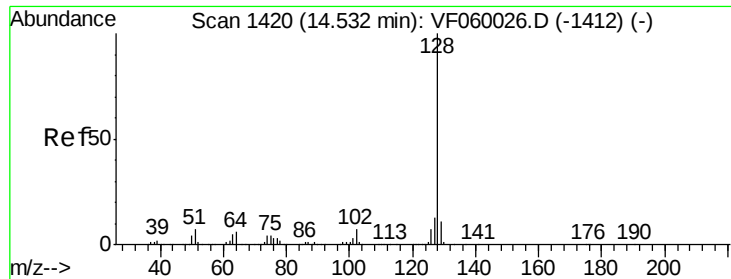
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#94
 Hexachlorobutadiene
 Concen: 37.04 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060161.D
 Acq: 28 Aug 2018 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27630		
223	56.4	32.6	97.8	
227	63.4	33.0	98.9	





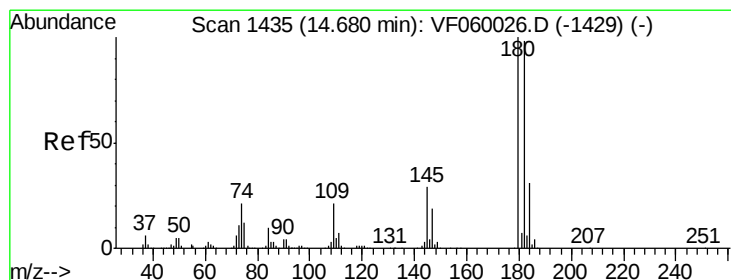
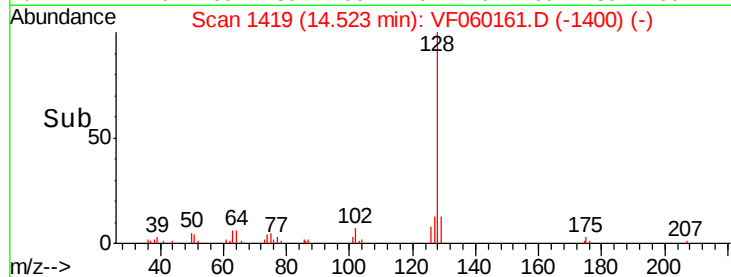
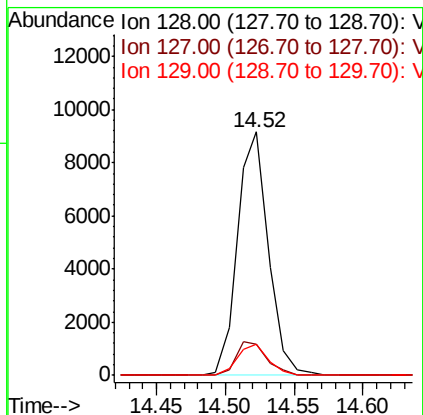
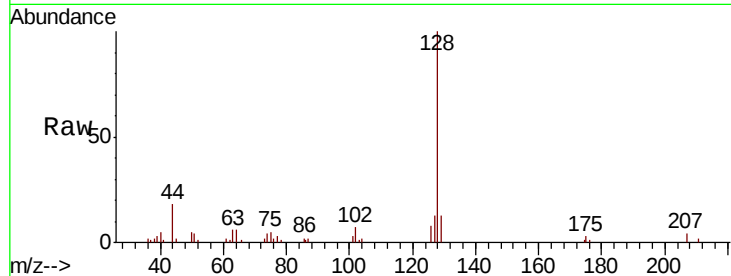
#95
Naphthalene
Concen: 8.85 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:	128	Resp:	14301
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	12.8	8.5	12.7#

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 14.44 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.02 min
Lab File: VF060161.D
Acq: 28 Aug 2018 20:25

Tgt Ion:	180	Resp:	16509
Ion Ratio	Lower	Upper	
180	100		
182	84.7	49.0	147.2
145	33.4	14.4	43.2

