

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060613.D
 Acq On : 6 Nov 2018 15:02
 Operator : VA/AP
 Sample : VF1106SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Manual Integrations
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 11/7/2018 11:21:35 AM

Quant Time: Nov 06 16:07:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	254575	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.61	114	448356	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	359186	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	210122	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	143101	55.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	4.13	113	174874	50.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.58	98	496026	48.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.42	95	216204	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	91938	33.219	ug/l	98
3) Chloromethane	1.11	50	58720	26.355	ug/l	93
4) Vinyl Chloride	1.15	62	52847	25.740	ug/l #	89
5) Bromomethane	1.31	94	27623	23.970	ug/l	91
6) Chloroethane	1.38	64	19810	24.535	ug/l	99
7) Trichlorofluoromethane	1.50	101	97406	25.349	ug/l	99
8) Diethyl Ether	1.64	74	16238	22.800	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54773	24.944	ug/l	96
10) Methyl Iodide	1.89	142	88519m	24.497	ug/l	
11) Tert butyl alcohol	2.58	59	14727	105.408	ug/l	90
12) 1,1-Dichloroethene	1.80	96	42125	22.778	ug/l	87
13) Acrolein	2.01	56	10874	110.023	ug/l	94
14) Allyl chloride	2.10	41	71593	23.708	ug/l	97
15) Acrylonitrile	2.96	53	35232	114.932	ug/l	97
16) Acetone	2.25	43	81408	134.315	ug/l	97
17) Carbon Disulfide	1.83	76	128407	24.649	ug/l	99
18) Methyl Acetate	2.35	43	23227	24.914	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	98754	22.842	ug/l	96
20) Methylene Chloride	2.19	84	44563m	21.705	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	45036	23.211	ug/l	93
22) Diisopropyl ether	2.81	45	144575	22.597	ug/l #	93
23) Vinyl Acetate	3.21	43	420912	109.494	ug/l	98
24) 1,1-Dichloroethane	2.88	63	86307	23.308	ug/l	99
25) 2-Butanone	4.35	43	138322	102.412	ug/l	98
26) 2,2-Dichloropropane	3.61	77	68454	24.707	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	83208	22.465	ug/l	94
28) Bromochloromethane	3.73	49	54675	23.529	ug/l	95
29) Tetrahydrofuran	4.09	42	54089	114.622	ug/l	99
30) Chloroform	3.88	83	136122	23.236	ug/l	95
31) Cyclohexane	3.71	56	117294	22.955	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	100997	24.684	ug/l	96
36) 1,1-Dichloropropene	4.30	75	98099	19.871	ug/l	97
37) Ethyl Acetate	4.13	43	47740	20.145	ug/l	98
38) Carbon Tetrachloride	4.02	117	94400	22.378	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	129588	21.510	ug/l	98
40) Benzene	4.66	78	259024	21.616	ug/l	100
41) Methacrylonitrile	4.76	41	28791	21.453	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	76855	22.346	ug/l	97
43) Isopropyl Acetate	6.97	43	60045	20.031	ug/l #	95
44) Trichloroethene	5.52	130	74929	20.806	ug/l	98
45) 1,2-Dichloropropane	6.25	63	62867	20.513	ug/l	99
46) Dibromomethane	6.11	93	42208	21.709	ug/l	92
47) Bromodichloromethane	6.40	83	98882	21.085	ug/l	99
48) Methyl methacrylate	6.74	41	37428	19.867	ug/l	94
49) 1,4-Dioxane	6.73	88	7160	363.305	ug/l #	84
51) 4-Methyl-2-Pentanone	8.28	43	221534	109.900	ug/l	100
52) Toluene	7.65	92	154499	19.793	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	79783	19.574	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	107734	20.920	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	44894	19.764	ug/l	96
56) Ethyl methacrylate	8.64	69	59595	20.392	ug/l	96
57) 1,3-Dichloropropane	8.87	76	77898	19.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.64	63	20894	99.182	ug/l	100
59) 2-Hexanone	9.51	43	171924	114.977	ug/l	98
60) Dibromochloromethane	8.73	129	60974	19.194	ug/l	95
61) 1,2-Dibromoethane	9.01	107	47799	20.010	ug/l	93
64) Tetrachloroethene	8.18	164	60812	21.603	ug/l	95
65) Chlorobenzene	9.82	112	159183	21.671	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	72207	23.265	ug/l	96
67) Ethyl Benzene	9.91	91	305243	22.900	ug/l	93
68) m/p-Xylenes	10.15	106	223773	44.567	ug/l	98
69) o-Xylene	10.73	106	129069	23.541	ug/l	97
70) Styrene	10.80	104	181785	22.886	ug/l	96
71) Bromoform	10.79	173	35393	22.080	ug/l #	92
73) Isopropylbenzene	11.14	105	360157	21.978	ug/l	95
74) N-amyl acetate	11.38	43	108018	24.173	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.71	83	68754	22.986	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30975	21.072	ug/l	89
77) Bromobenzene	11.51	156	73006	20.360	ug/l	96
78) n-propylbenzene	11.61	91	427787	22.312	ug/l	94
79) 2-Chlorotoluene	11.73	91	244262	22.308	ug/l	93
80) 1,3,5-Trimethylbenzene	11.84	105	299627	22.183	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.89	75	25667m	22.218	ug/l	
82) 4-Chlorotoluene	11.92	91	242861	21.259	ug/l	97
83) tert-Butylbenzene	12.14	119	317683	23.022	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	299731	22.659	ug/l	97
85) sec-Butylbenzene	12.32	105	432192	22.768	ug/l	99
86) p-Isopropyltoluene	12.47	119	345308	22.090	ug/l	96
87) 1,3-Dichlorobenzene	12.49	146	150513	21.386	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	143317	21.469	ug/l	97
89) n-Butylbenzene	12.85	91	364095	21.426	ug/l	93
90) Hexachloroethane	12.93	117	84841	21.342	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	145320	22.071	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	12437	23.933	ug/l	88

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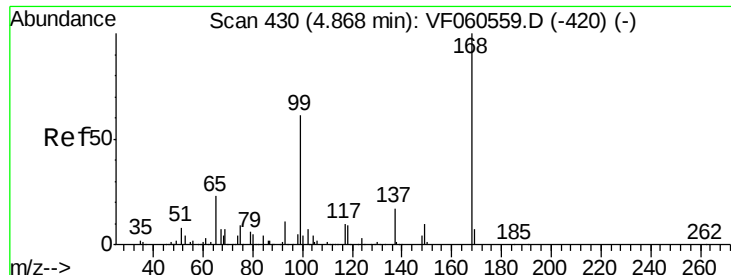
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	102615	22.940	ug/l	97
94) Hexachlorobutadiene	14.21	225	64538	22.266	ug/l	94
95) Naphthalene	14.47	128	206595	23.075	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	94035	22.254	ug/l	97

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



#1

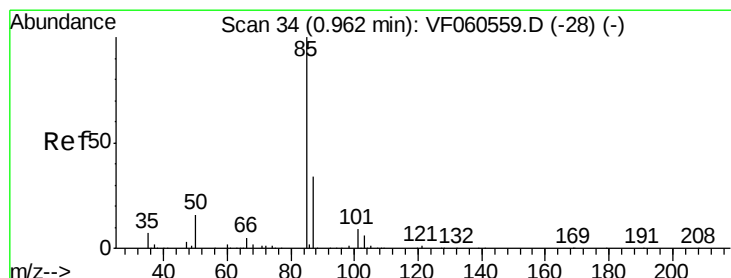
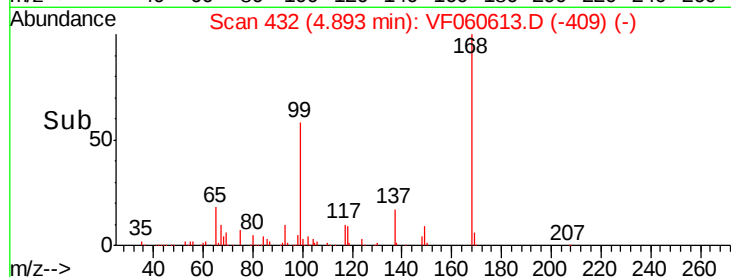
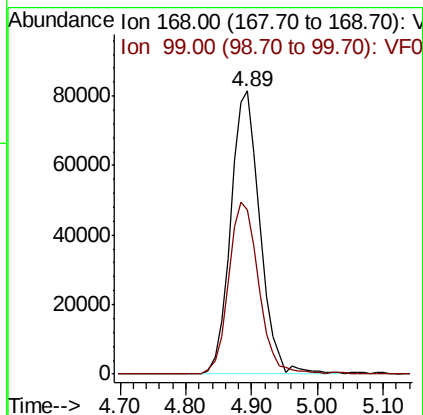
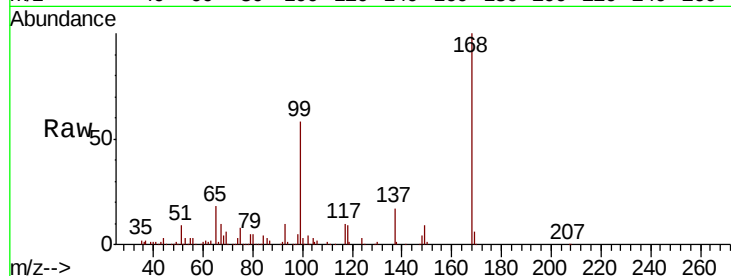
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.89 min Scan# 432
 Delta R.T. 0.03 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.1	48.6	72.8

Manual Integrations
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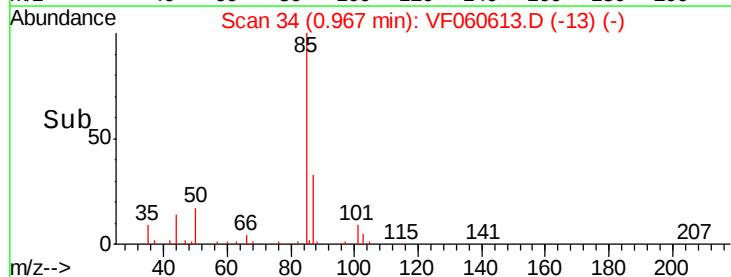
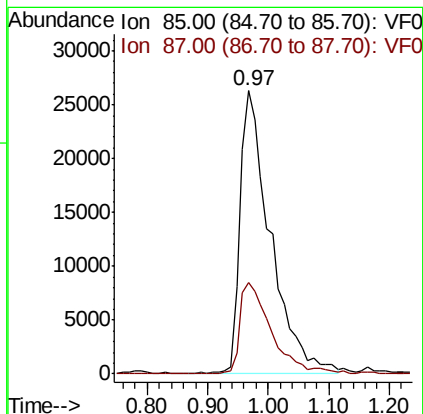
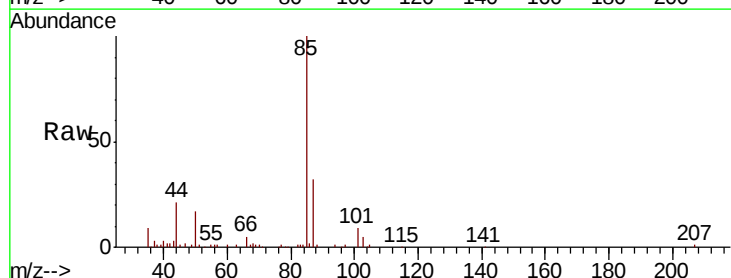
apatel
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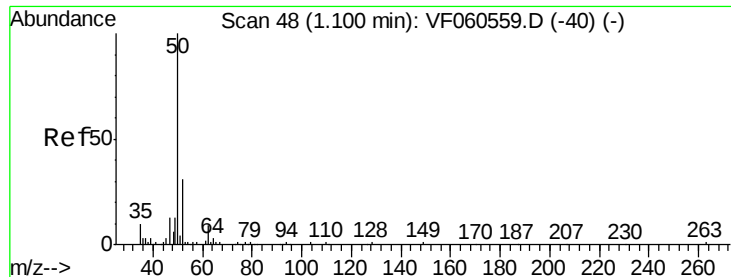


#2

Dichlorodifluoromethane
 Concen: 33.219 ug/l
 RT: 0.97 min Scan# 34
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.9	50.7





#3

Chloromethane

Concen: 26.355 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 50 Resp: 58720

Ion Ratio Lower Upper

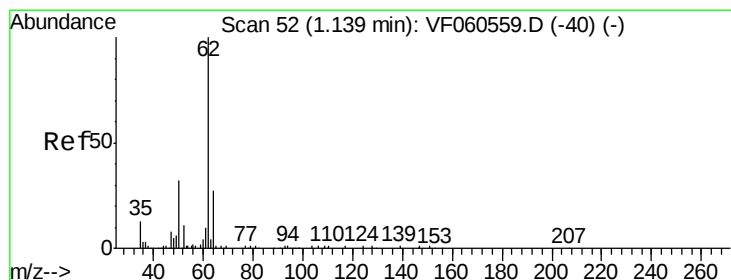
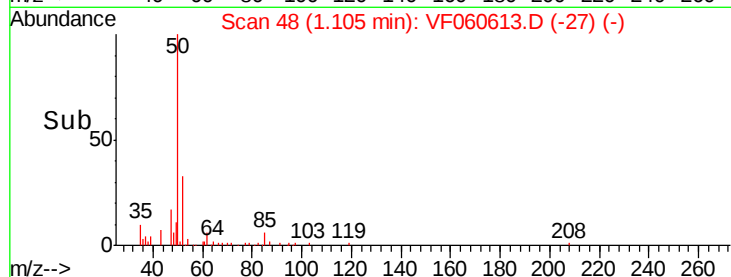
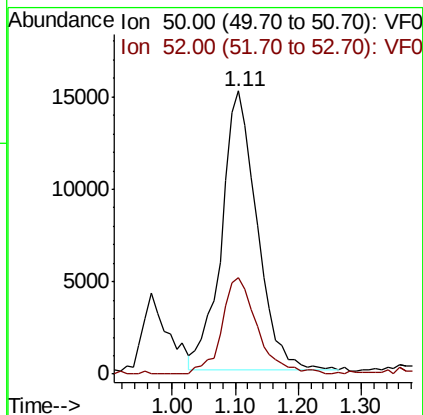
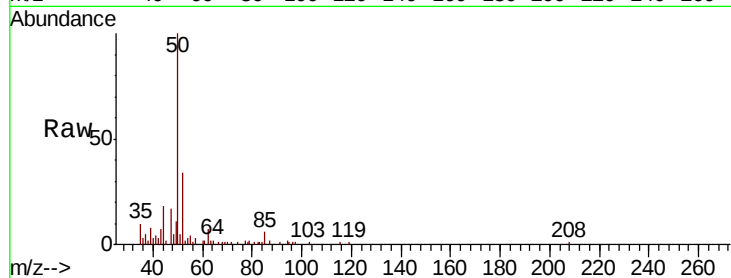
50 100

52 34.0 24.0 36.0

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#4

Vinyl Chloride

Concen: 25.740 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF060613.D

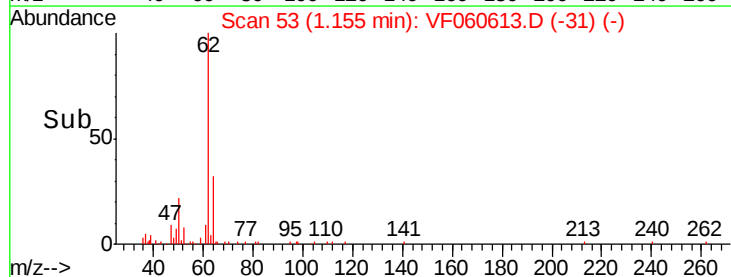
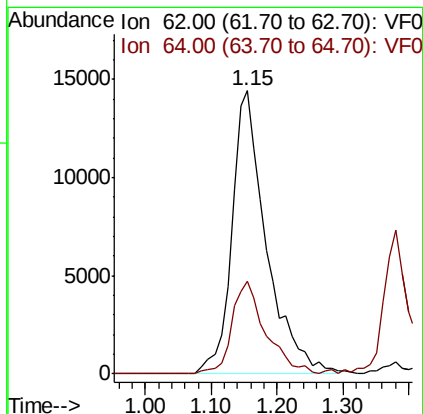
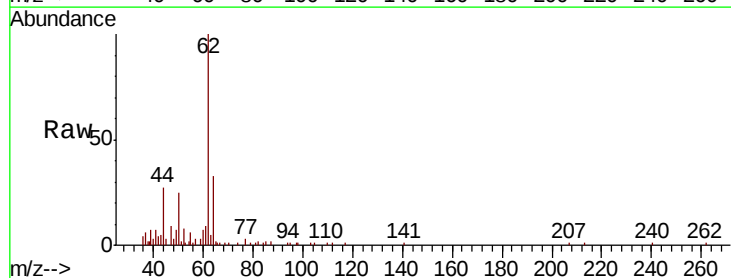
Acq: 6 Nov 2018 15:02

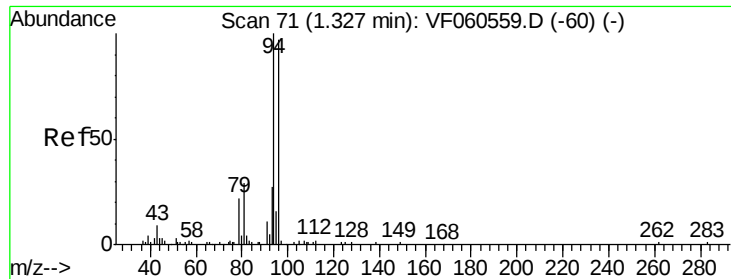
Tgt Ion: 62 Resp: 52847

Ion Ratio Lower Upper

62 100

64 32.8 21.8 32.6#





#5

Bromomethane

Concen: 23.970 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 94 Resp: 27623

Ion Ratio Lower Upper

94 100

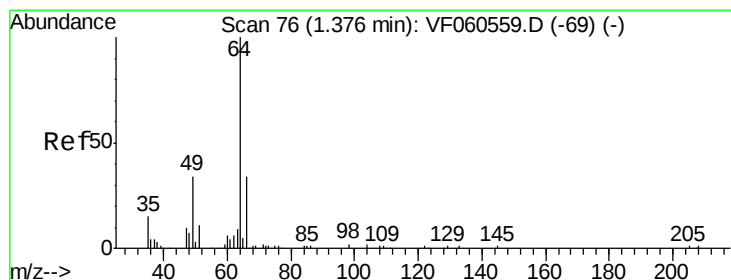
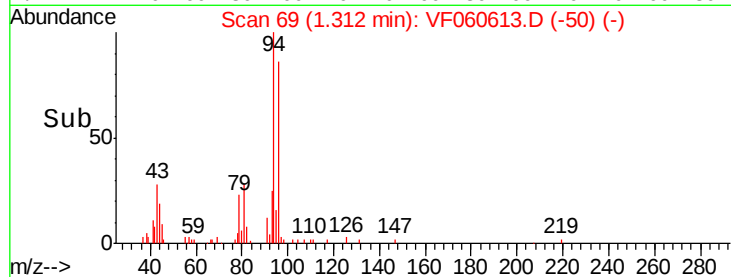
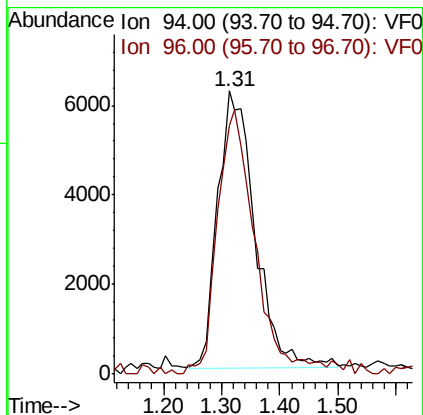
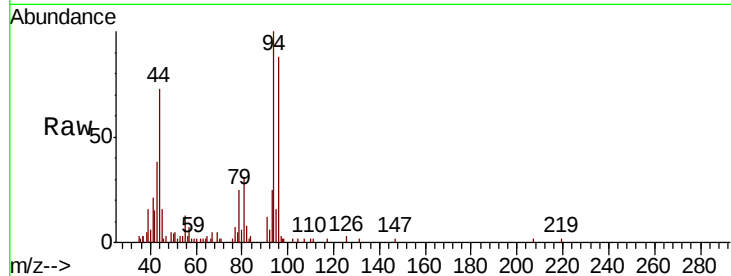
96 88.0 77.9 116.9

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#6

Chloroethane

Concen: 24.535 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF060613.D

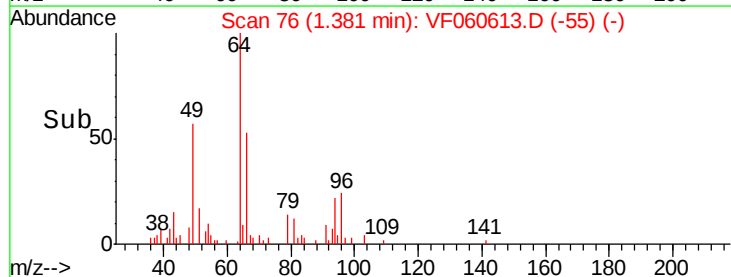
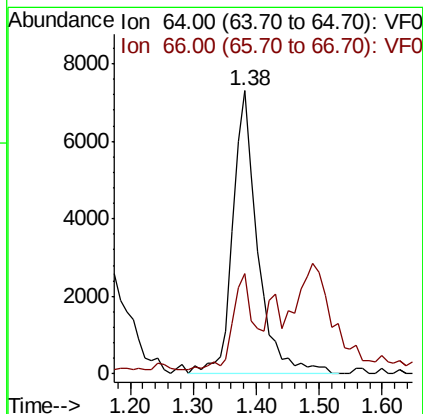
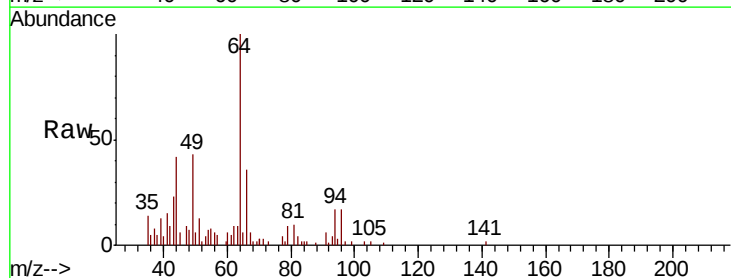
Acq: 6 Nov 2018 15:02

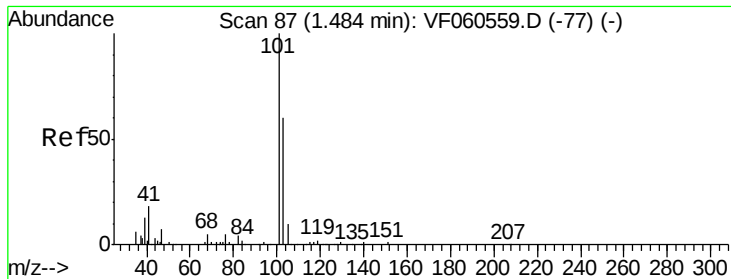
Tgt Ion: 64 Resp: 19810

Ion Ratio Lower Upper

64 100

66 35.6 27.8 41.8





#7

Trichlorofluoromethane

Concen: 25.349 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:101 Resp: 97406

Ion Ratio Lower Upper

101 100

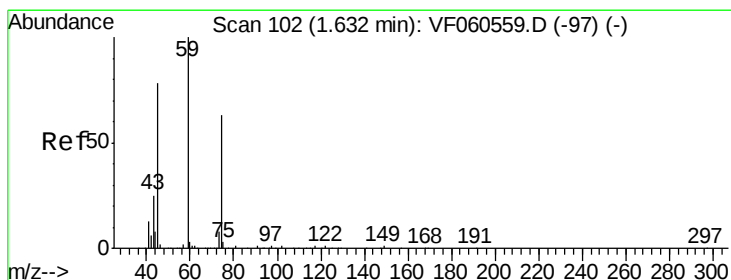
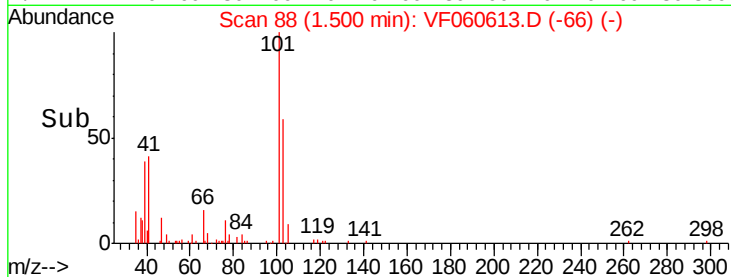
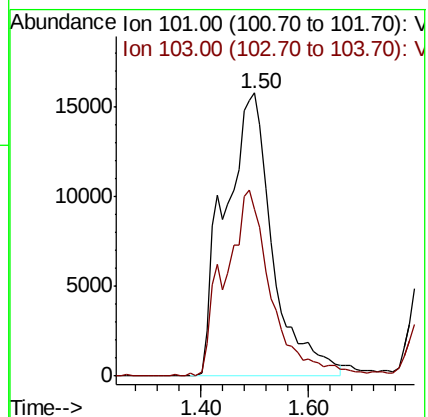
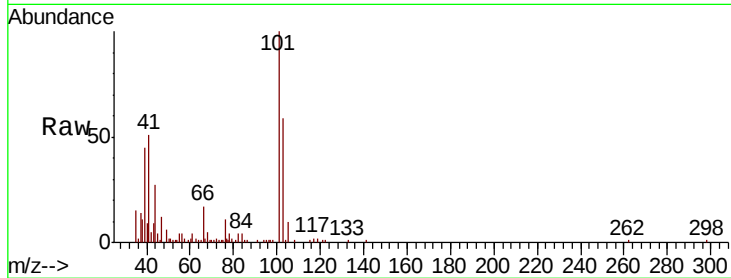
103 59.2 48.0 72.0

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#8

Diethyl Ether

Concen: 22.800 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF060613.D

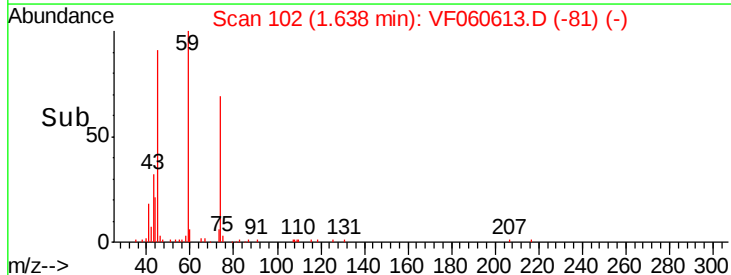
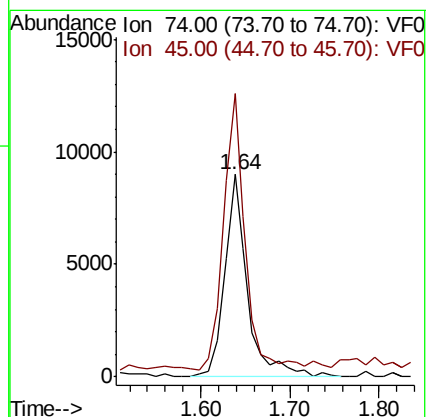
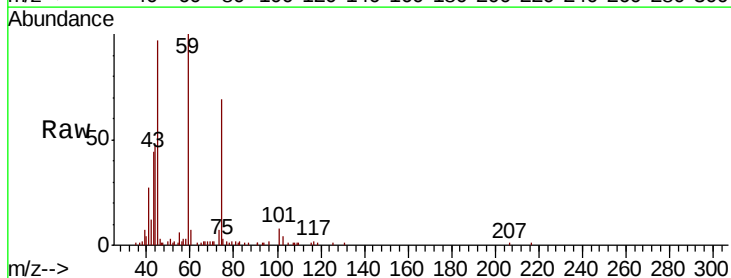
Acq: 6 Nov 2018 15:02

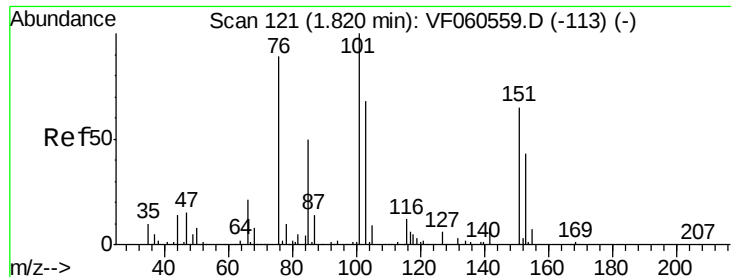
Tgt Ion: 74 Resp: 16238

Ion Ratio Lower Upper

74 100

45 140.0 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.944 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

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MSVOA_F

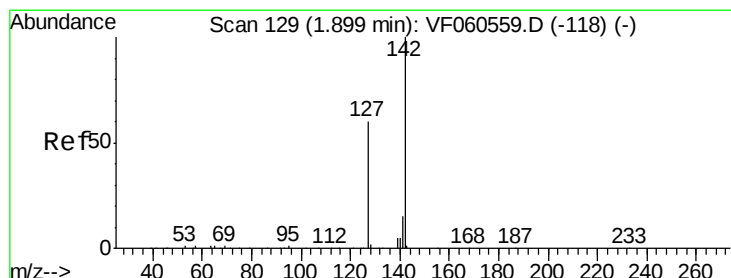
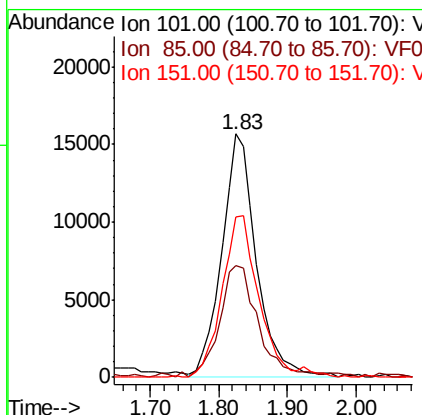
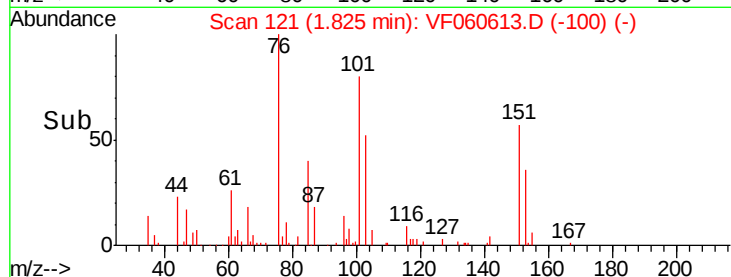
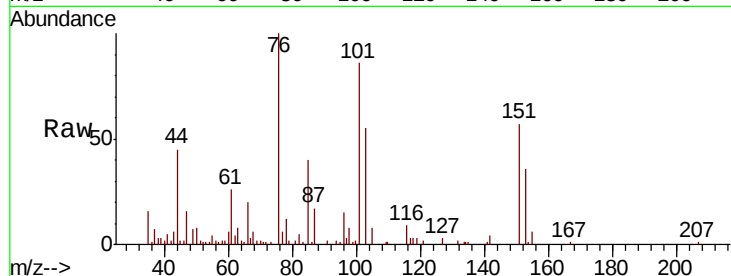
ClientSampleId :

VF1106SBSD01

Tot Ion:	101	Resp:	54773
Ion Ratio	Lower	Upper	
101	100		
85	46.1	39.8	59.6
151	66.0	50.8	76.2

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#10

Methyl Iodide

Concen: 24.497 ug/l m

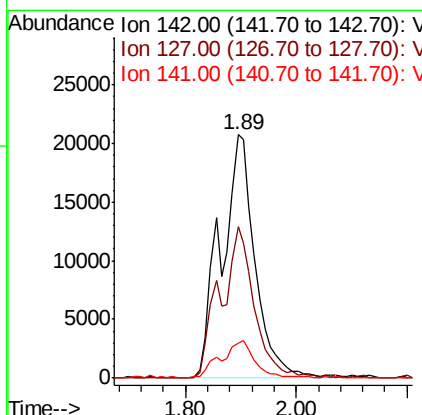
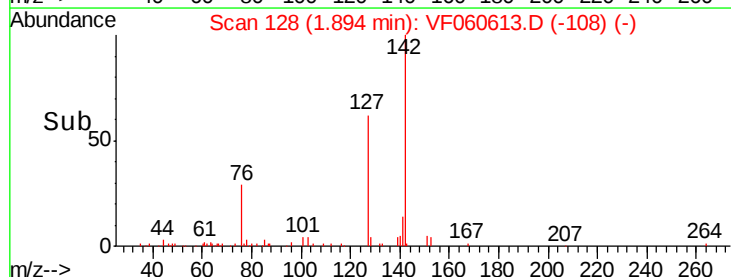
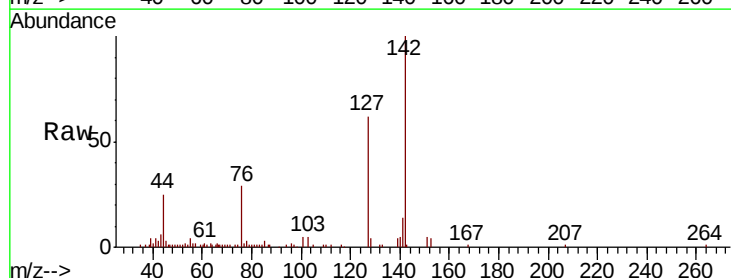
RT: 1.89 min Scan# 128

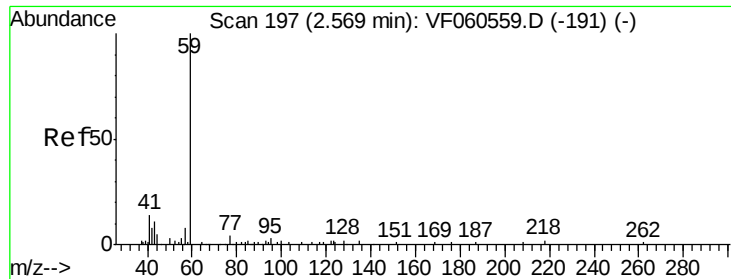
Delta R.T. -0.00 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	142	Resp:	88519
Ion Ratio	Lower	Upper	
142	100		
127	62.0	47.8	71.6
141	14.2	12.7	19.1





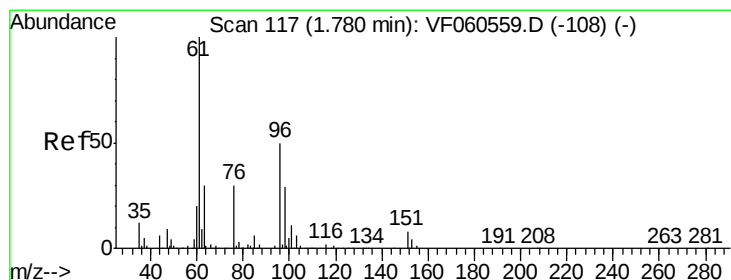
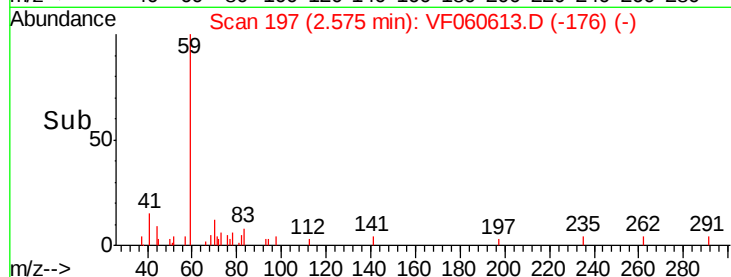
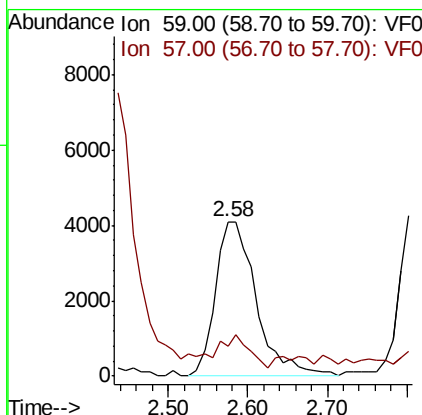
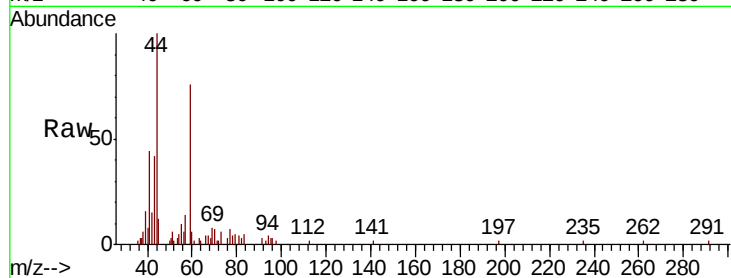
#11
Tert butyl alcohol
Concen: 105.408 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion: 59 Resp: 14727
Ion Ratio Lower Upper
59 100
57 19.0 19.0 28.4

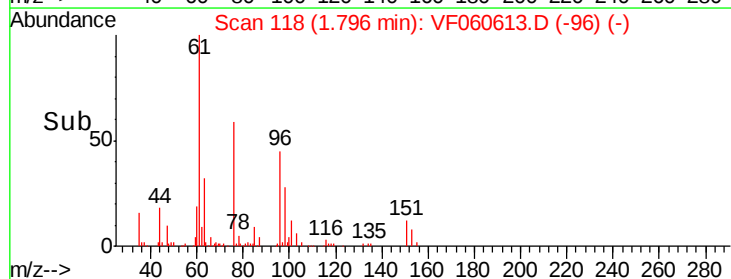
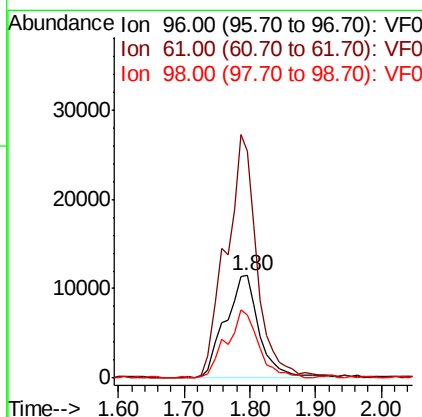
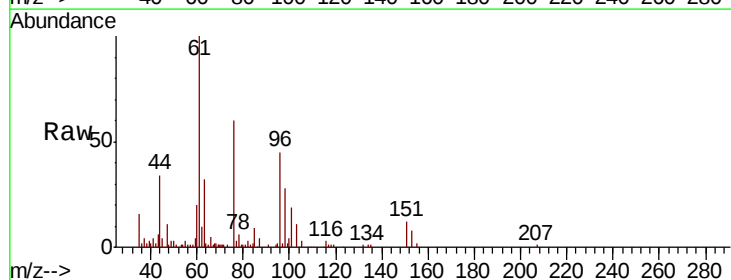
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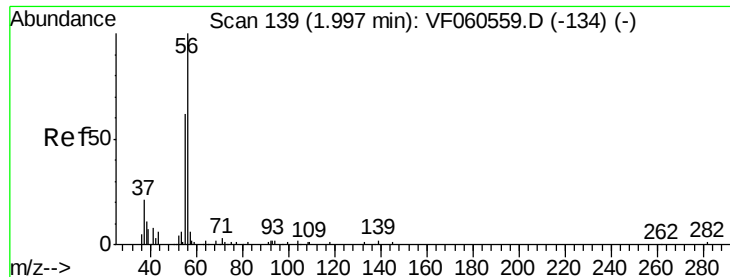
apatel
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#12
1,1-Dichloroethene
Concen: 22.778 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion: 96 Resp: 42125
Ion Ratio Lower Upper
96 100
61 221.6 158.1 237.1
98 62.4 47.0 70.6





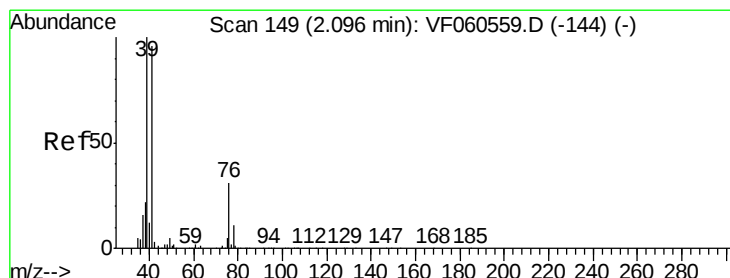
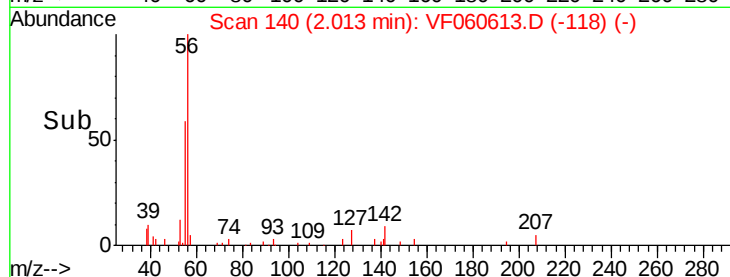
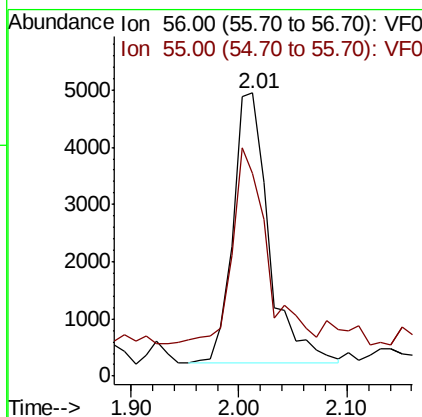
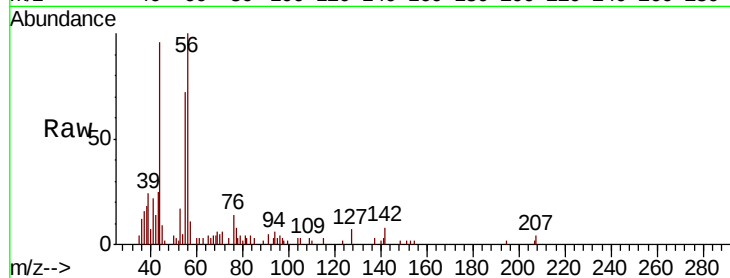
#13
Acrolein
Concen: 110.023 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	61.8	92.6

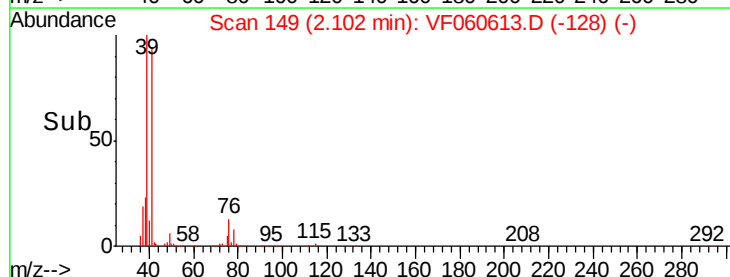
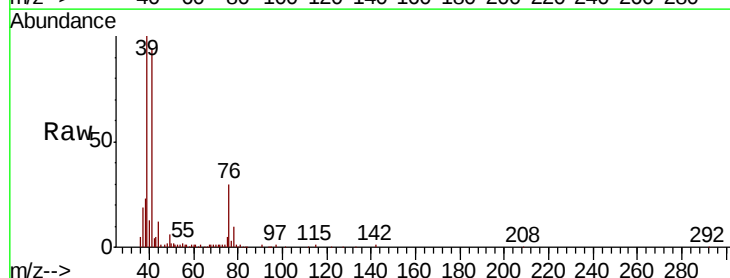
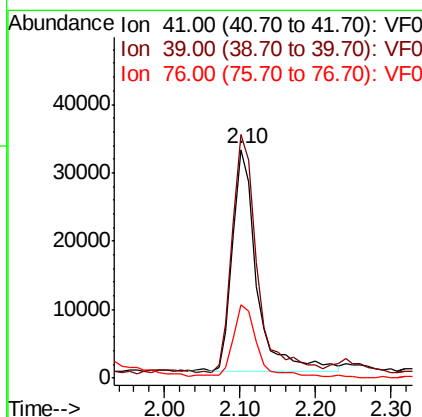
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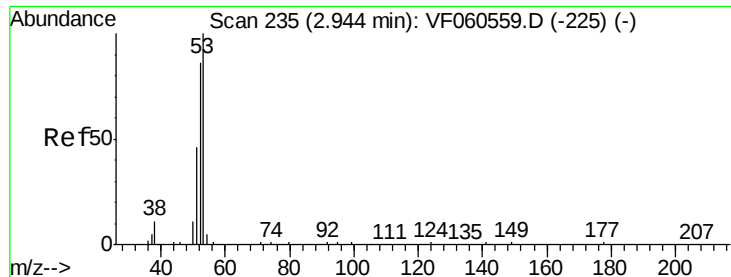
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#14
Allyl chloride
Concen: 23.708 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	106.6	82.6	124.0
76	32.2	26.7	40.1





#15

Acrylonitrile

Concen: 114.932 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

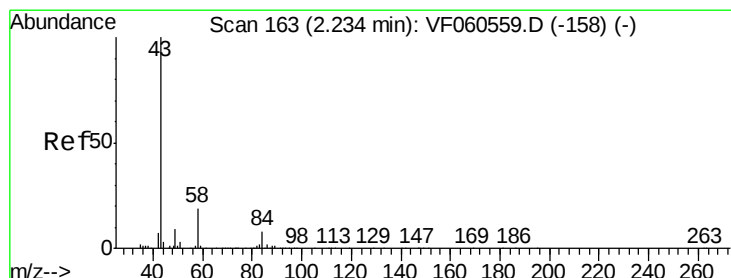
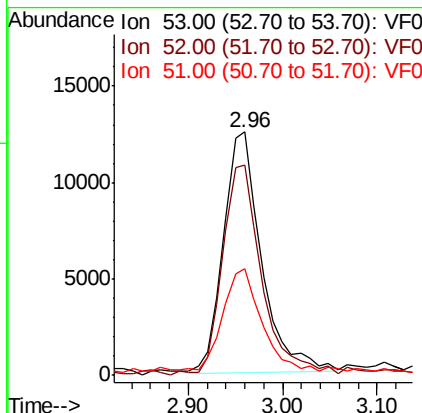
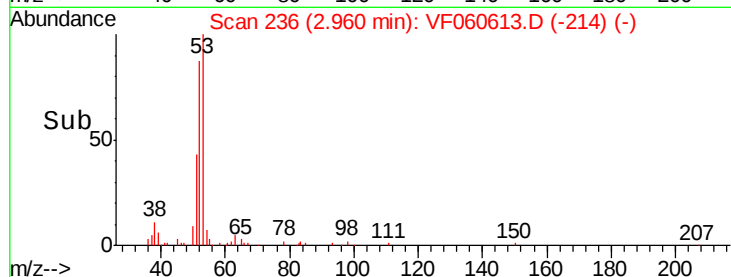
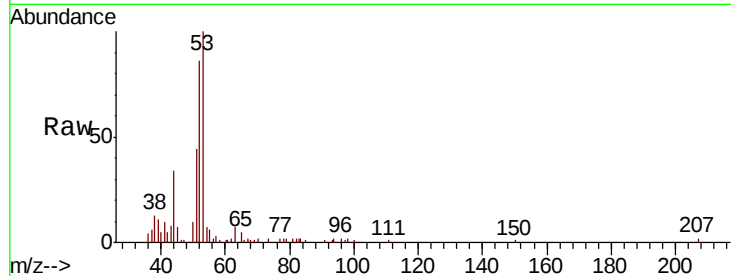
ClientSampleId :

VF1106SBSD01

Tot Ion:	53	Resp:	35232
Ion Ratio	Lower	Upper	
53	100		
52	86.2	68.5	102.7
51	43.8	38.2	57.2

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#16

Acetone

Concen: 134.315 ug/l

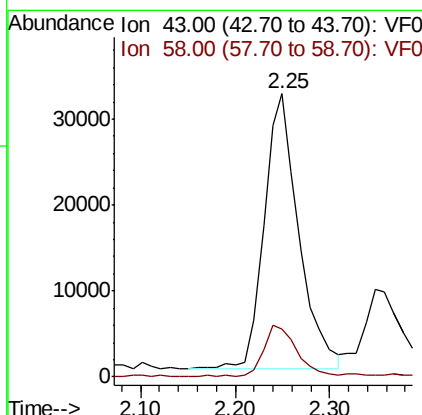
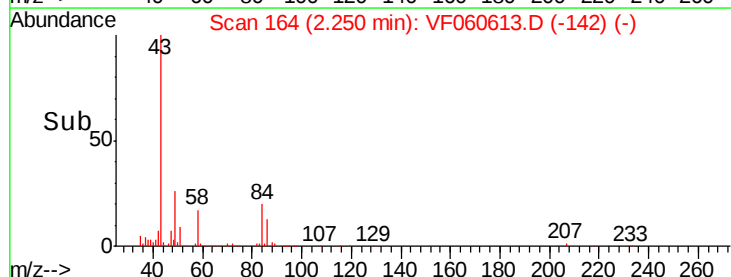
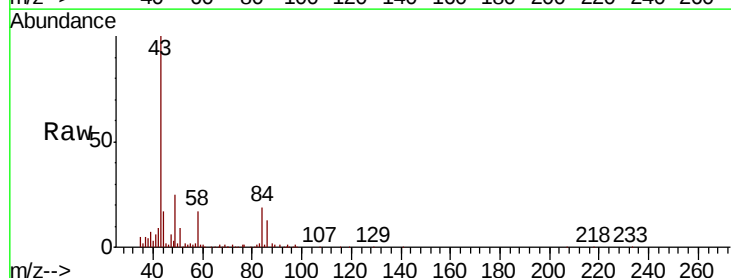
RT: 2.25 min Scan# 164

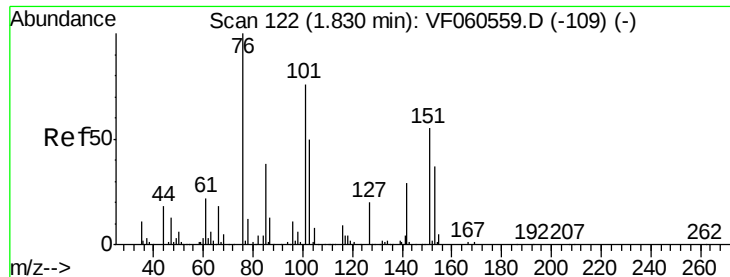
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	43	Resp:	81408
Ion Ratio	Lower	Upper	
43	100		
58	17.0	14.6	22.0





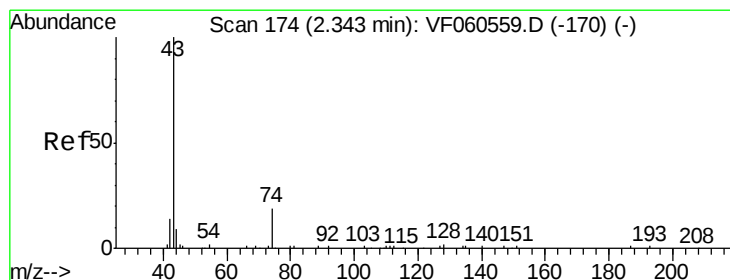
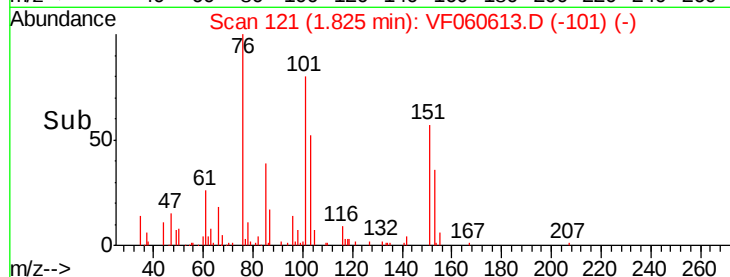
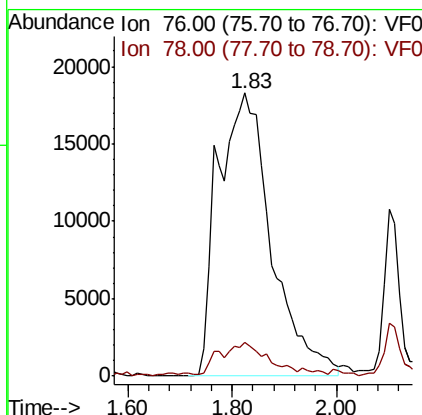
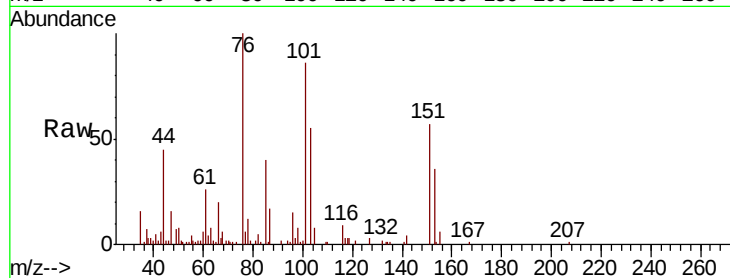
#17
Carbon Disulfide
Concen: 24.649 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

Tot Ion: 76 Resp: 128407
Ion Ratio Lower Upper
76 100
78 12.0 9.9 14.9

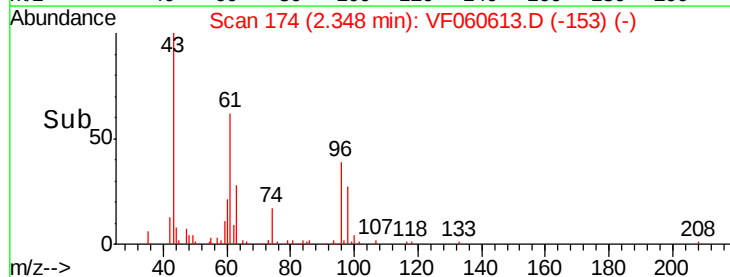
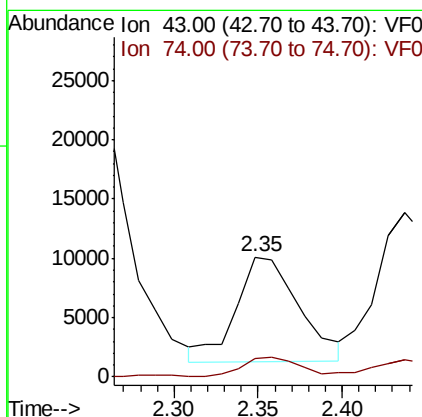
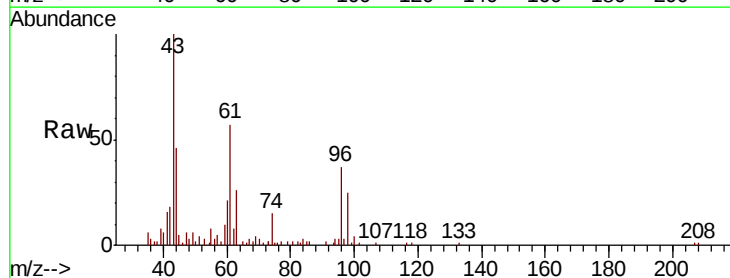
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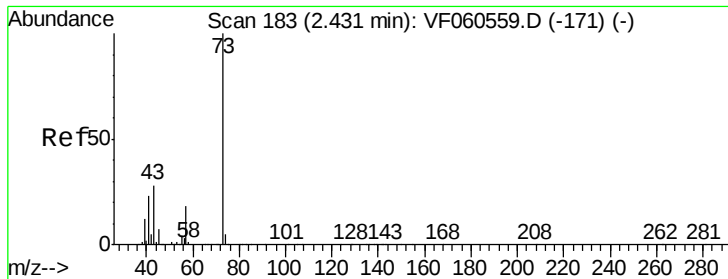
apatel
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#18
Methyl Acetate
Concen: 24.914 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion: 43 Resp: 23227
Ion Ratio Lower Upper
43 100
74 15.0 12.1 18.1





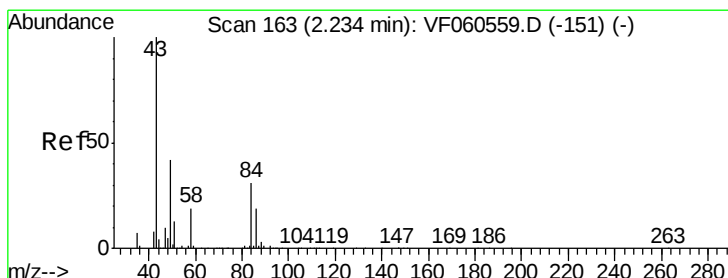
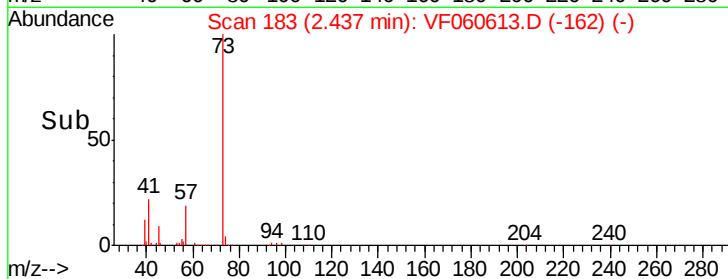
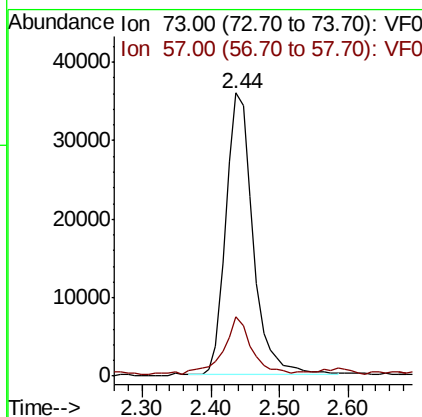
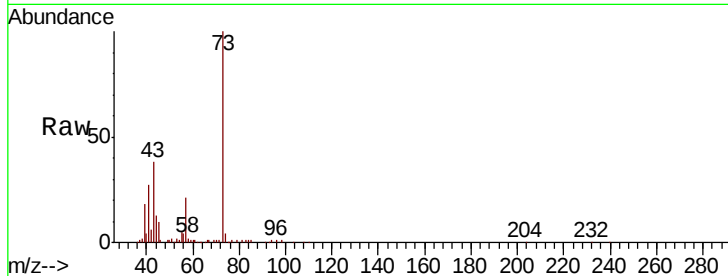
#19
Methvl tert-butvl Ether
Concen: 22.842 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	15.4	23.0

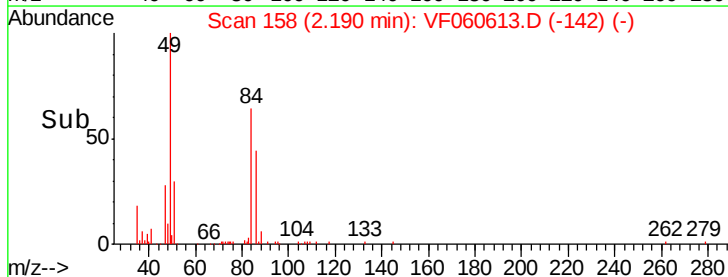
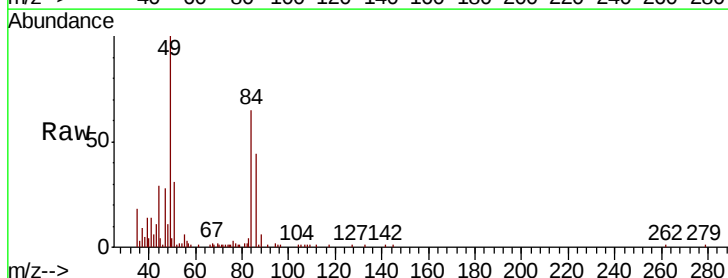
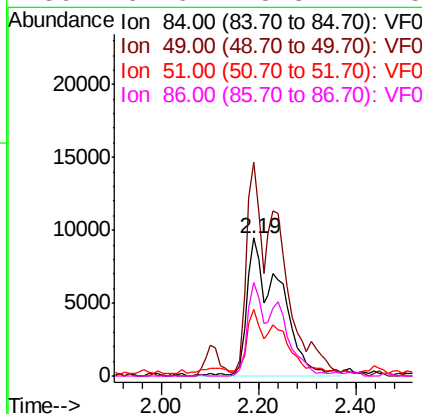
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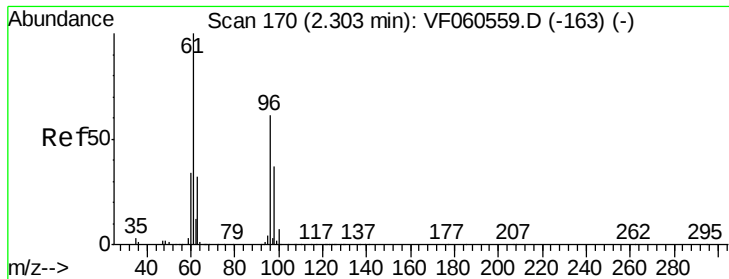
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#20
Methylene Chloride
Concen: 21.705 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.9	109.9	164.9
51	48.2	35.8	53.8
86	67.6	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 23.211 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

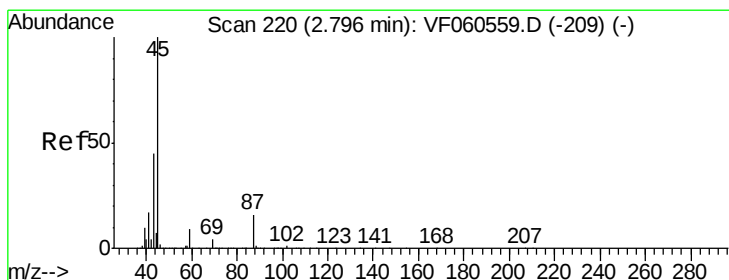
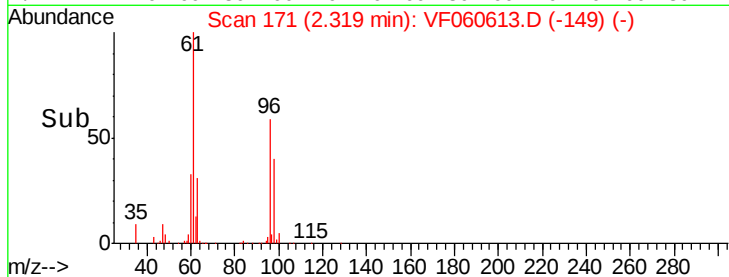
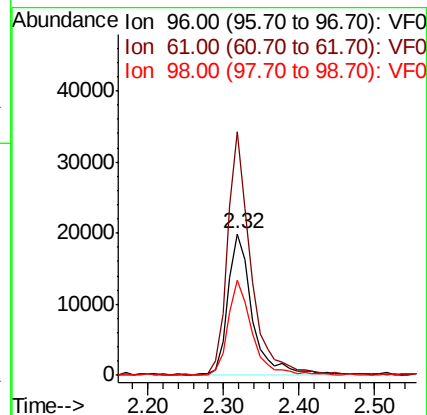
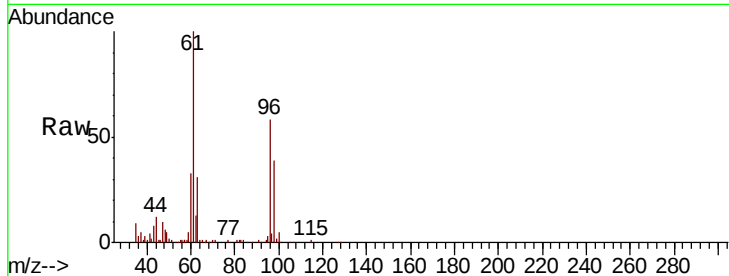
ClientSampleId :

VF1106SBSD01

Tot Ion:	96	Resp:	45036
Ion	Ratio	Lower	Upper
96	100		
61	172.1	131.3	196.9
98	67.4	48.6	73.0

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#22

Diisopropyl ether

Concen: 22.597 ug/l

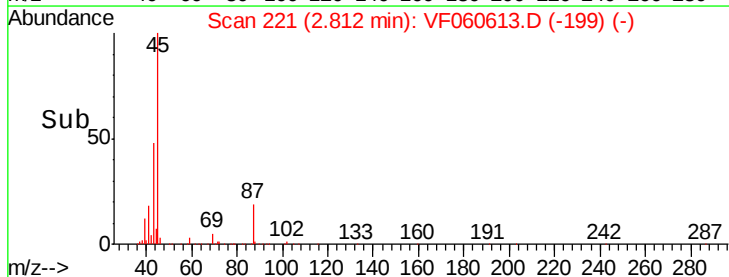
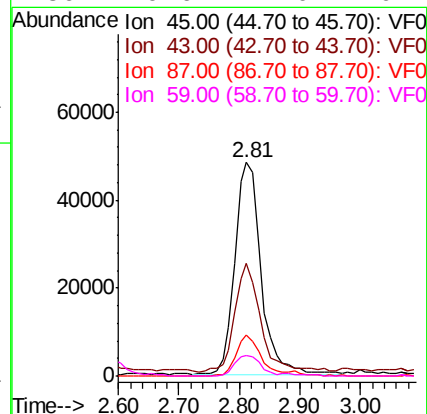
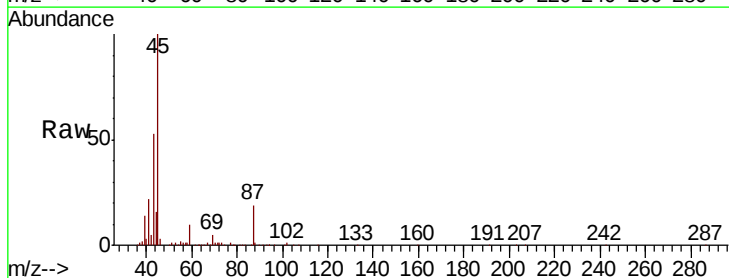
RT: 2.81 min Scan# 221

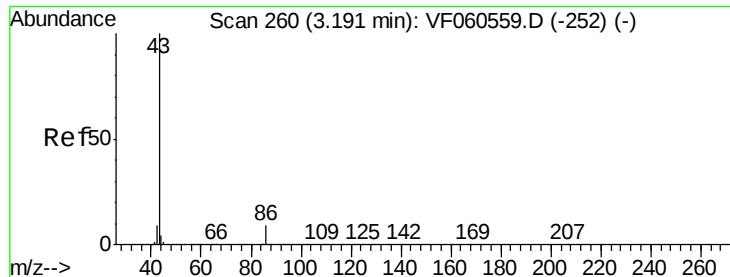
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	45	Resp:	144575
Ion	Ratio	Lower	Upper
45	100		
43	52.8	38.1	57.1
87	19.1	12.7	19.1#
59	9.6	7.0	10.4





#23

Vinyl Acetate

Concen: 109.494 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 43 Resp: 420912

Ion Ratio Lower Upper

43 100

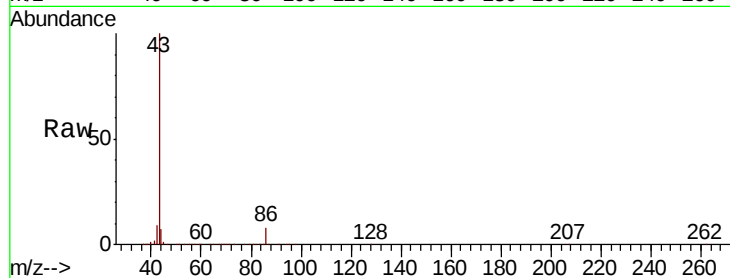
86 8.1 7.1 10.7

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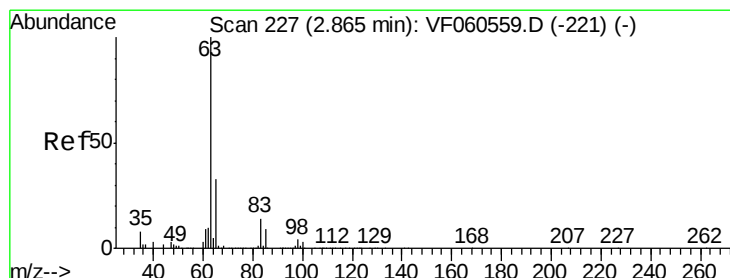
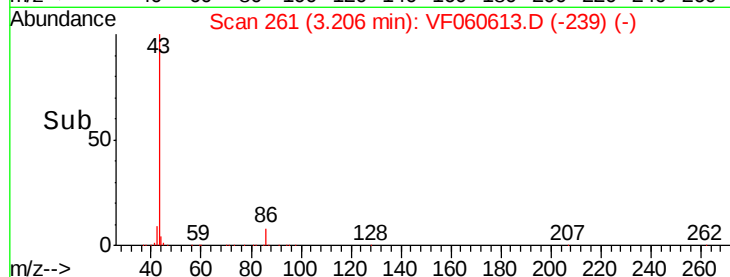
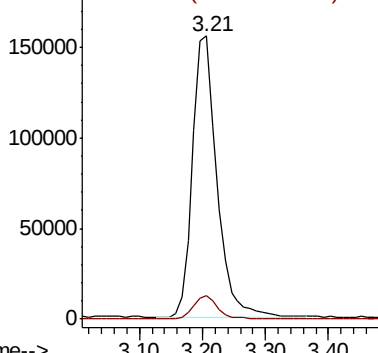
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.308 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

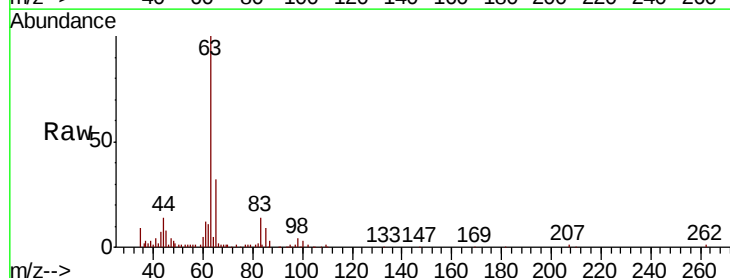
Tgt Ion: 63 Resp: 86307

Ion Ratio Lower Upper

63 100

98 3.8 2.2 6.6

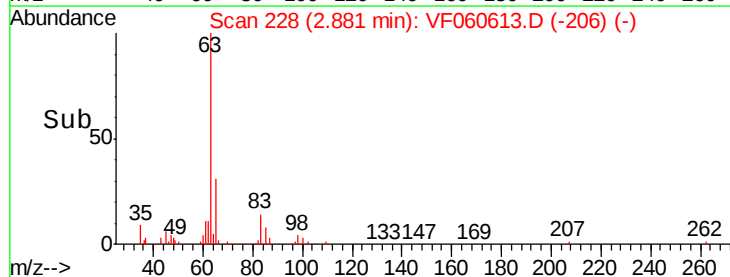
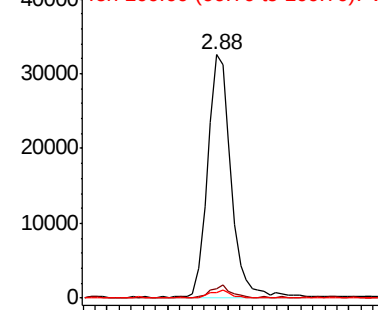
100 2.5 1.4 4.0

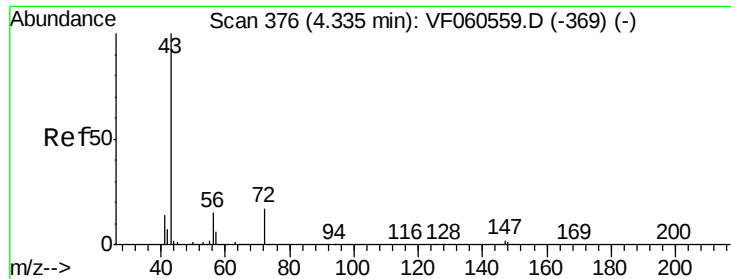


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 102.412 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 43 Resp: 138322

Ion Ratio Lower Upper

43 100

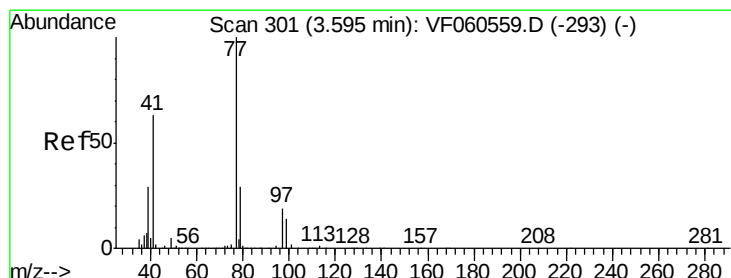
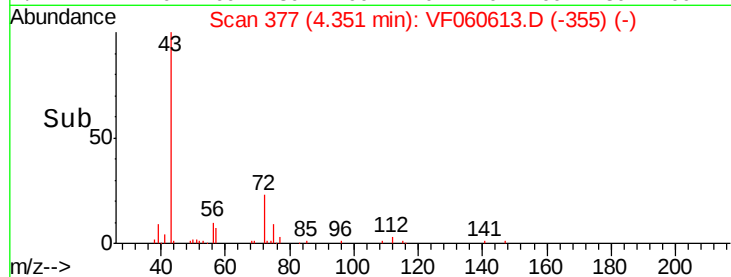
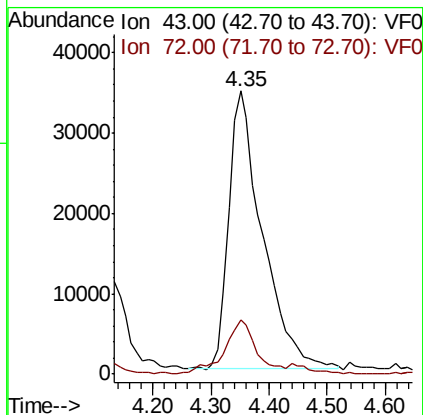
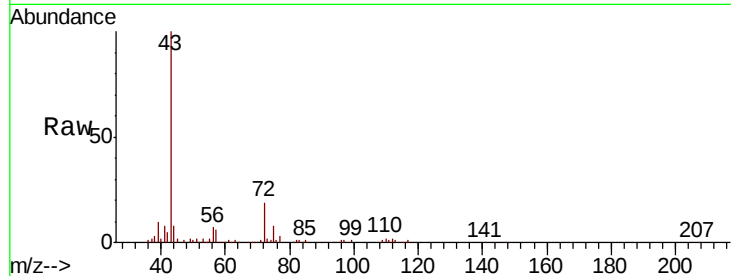
72 19.1 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 24.707 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF060613.D

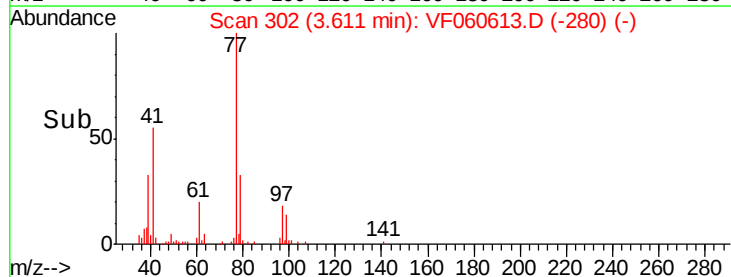
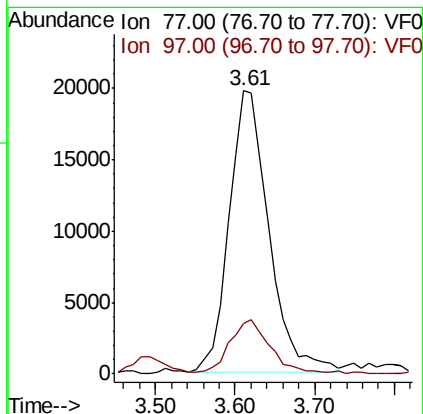
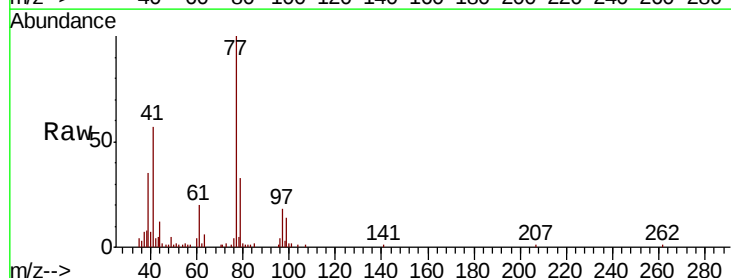
Acq: 6 Nov 2018 15:02

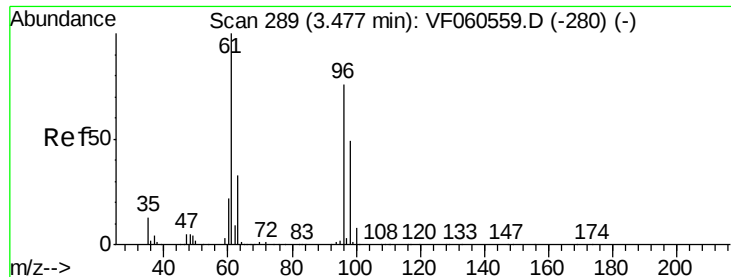
Tgt Ion: 77 Resp: 68454

Ion Ratio Lower Upper

77 100

97 17.9 9.8 29.3





#27

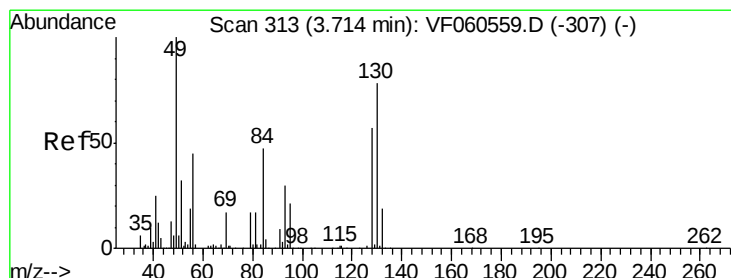
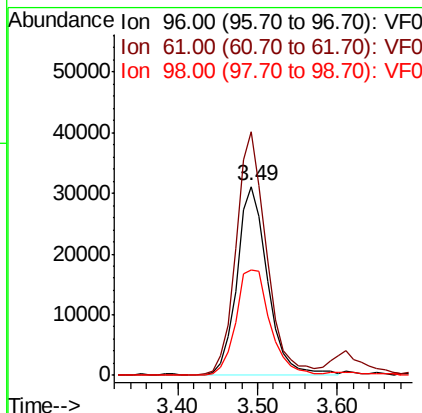
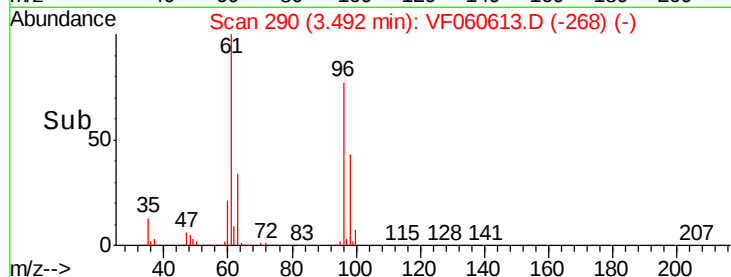
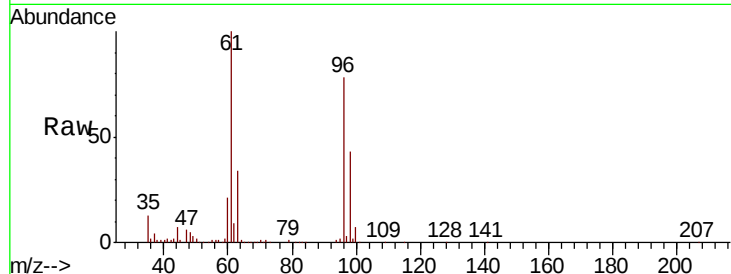
cis-1,2-Dichloroethene
Concen: 22.465 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	128.8	0.0	263.0		
98	55.8	0.0	130.6		

Manual Integrations
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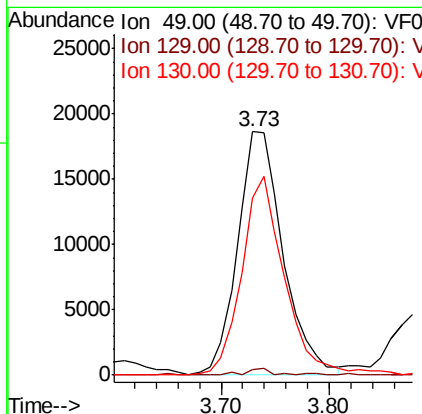
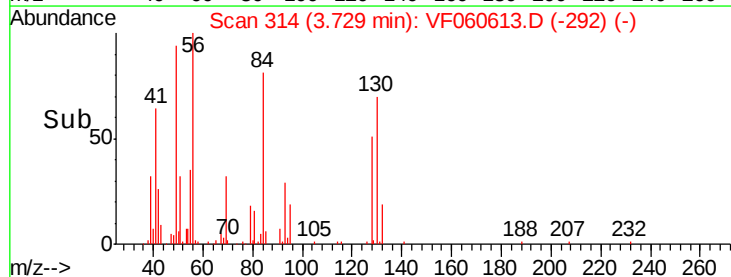
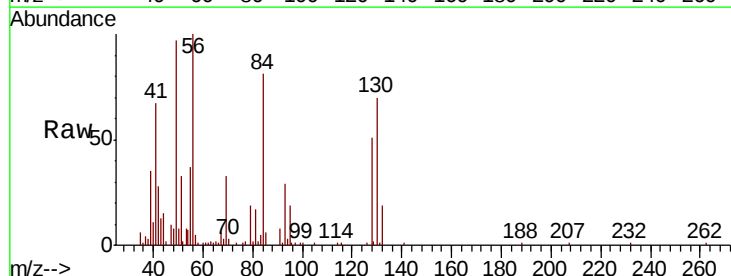
apatel
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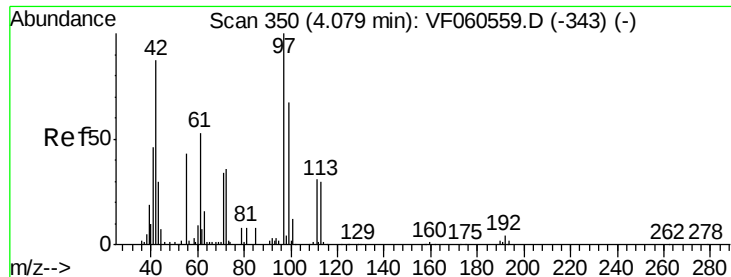


#28

Bromochloromethane
Concen: 23.529 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.1	0.0	4.6		
130	72.5	61.8	92.8		





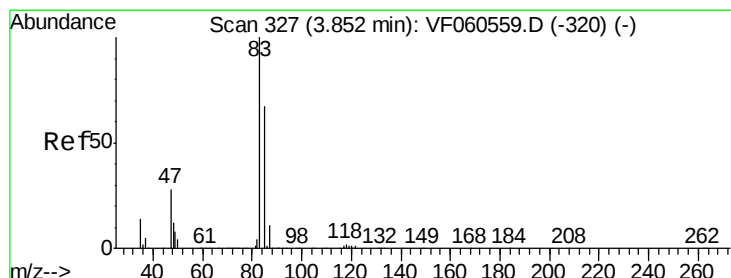
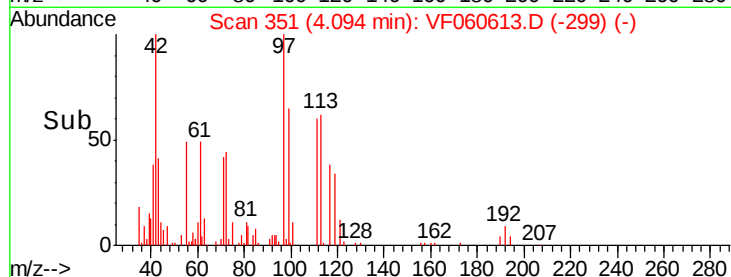
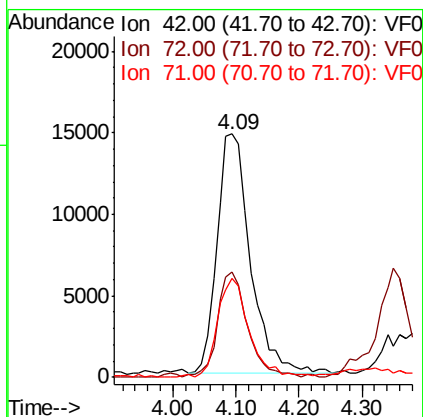
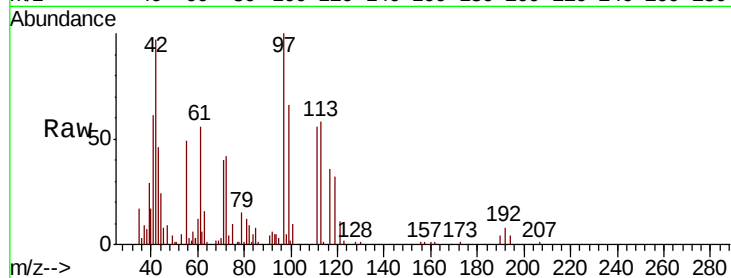
#29
Tetrahydrofuran
Concen: 114.622 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.0
71	39.5	31.8	47.6

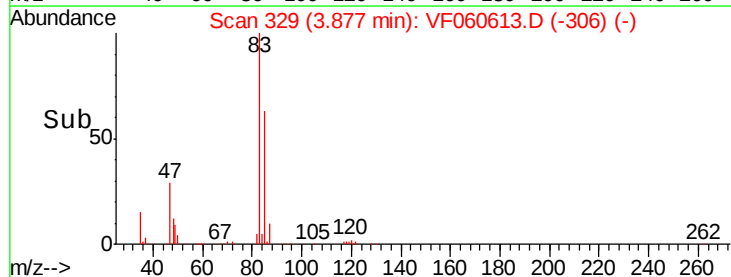
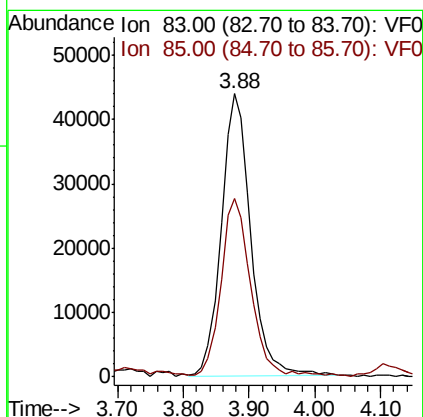
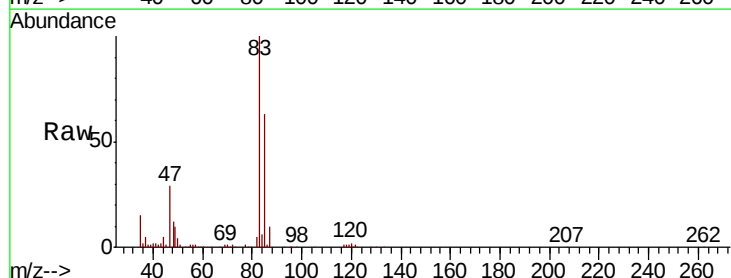
Manual Integrations
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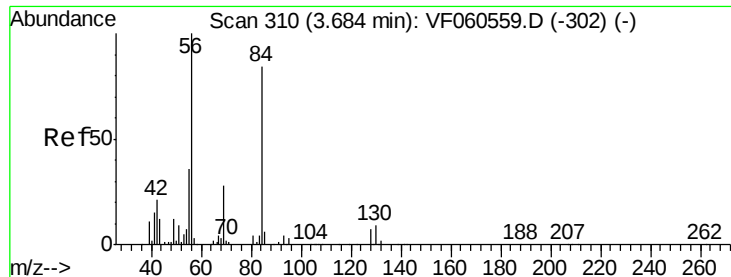
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#30
Chloroform
Concen: 23.236 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	53.7	80.5





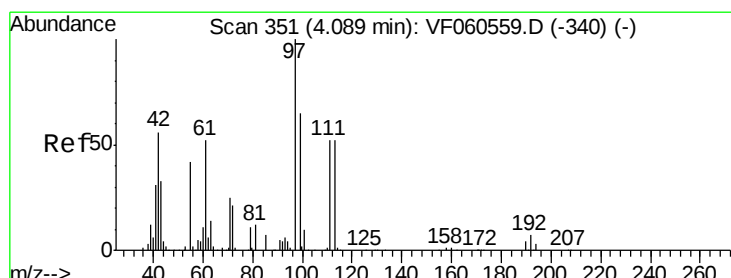
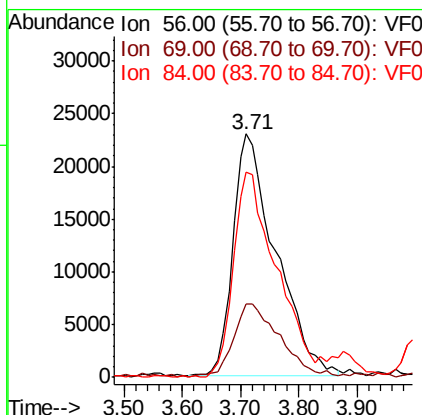
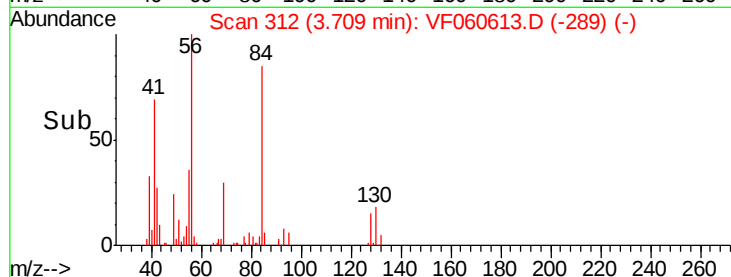
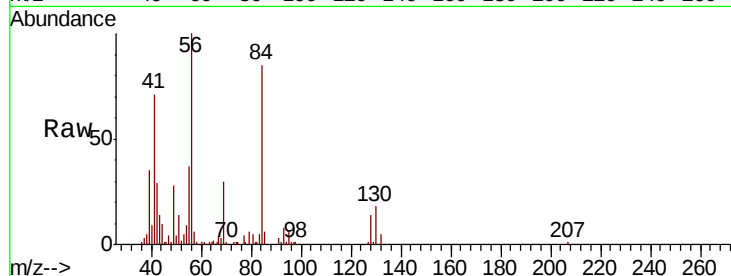
#31
Cyclohexane
Concen: 22.955 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.0	34.4
84	84.5	67.1	100.7

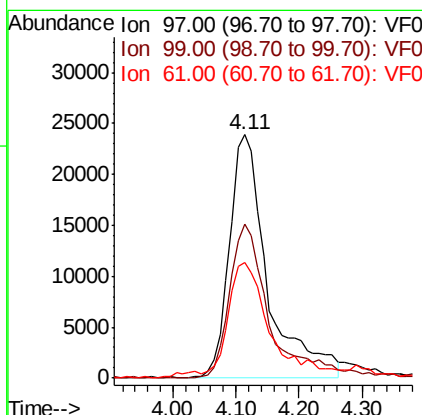
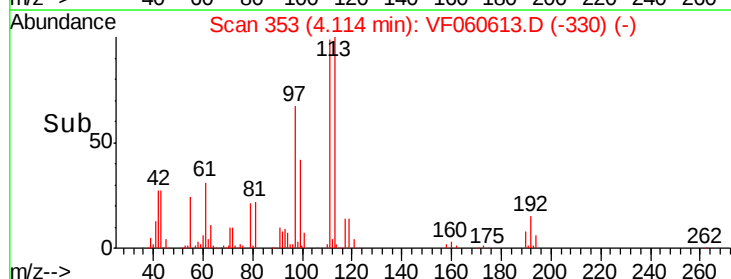
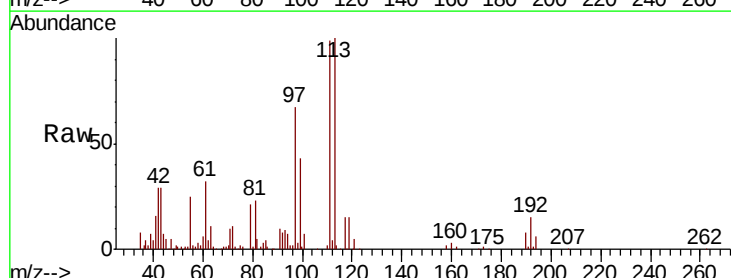
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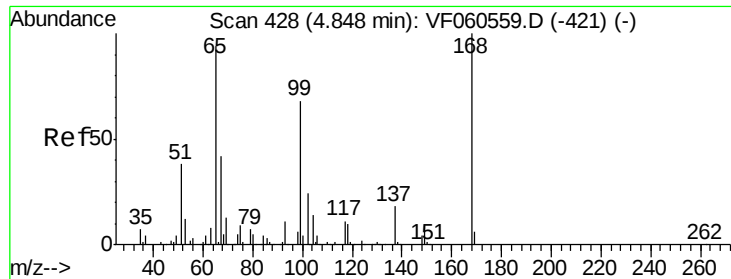
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#32
1,1,1-Trichloroethane
Concen: 24.684 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.4	78.6
61	47.5	41.5	62.3





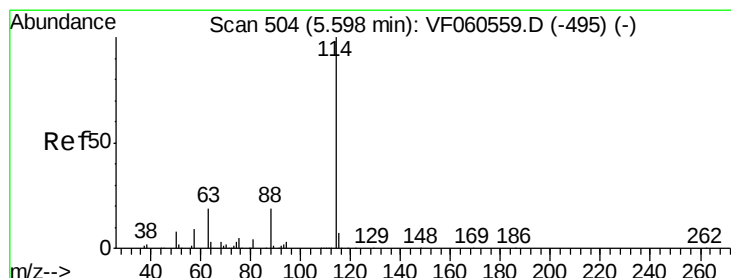
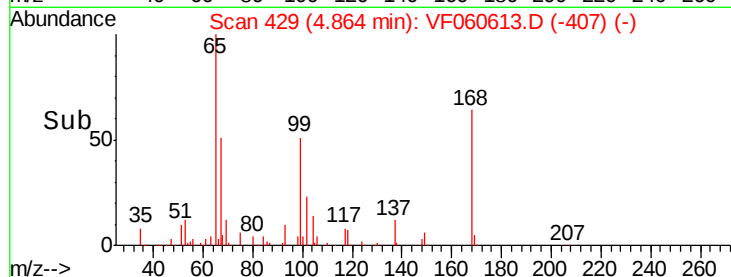
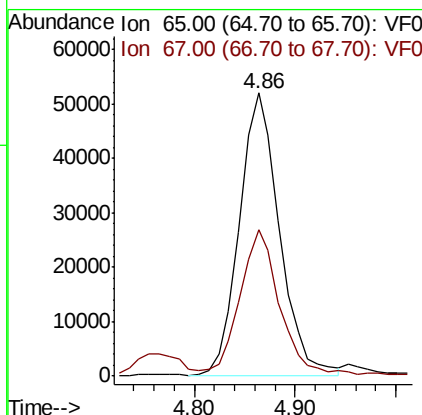
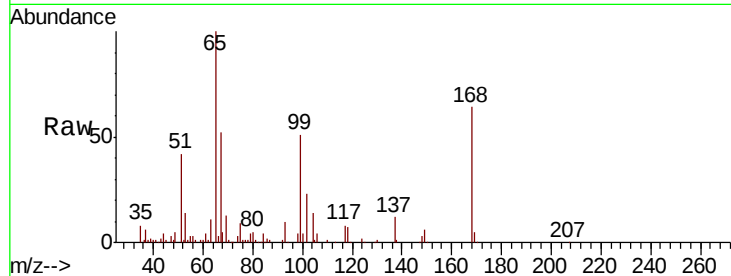
#33
 1,2-Dichloroethane-d4
 Concen: 55.635 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	101.8

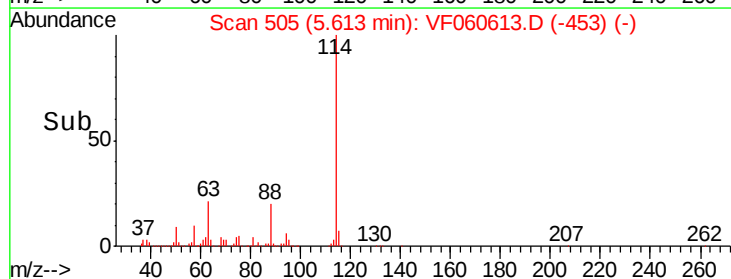
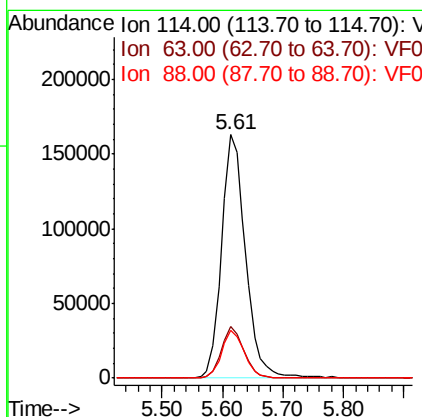
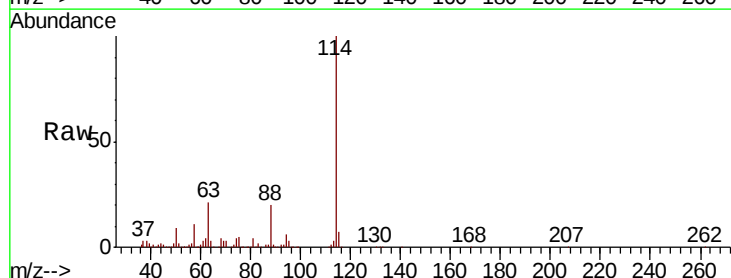
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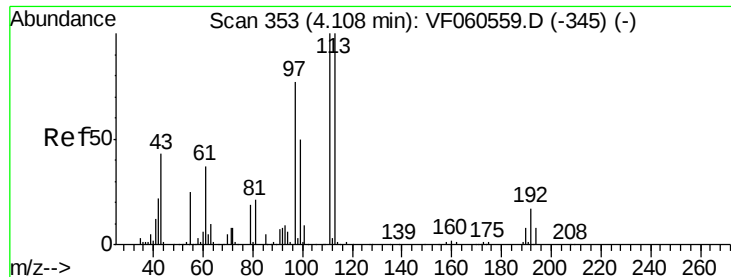
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.0
88	19.6	0.0	38.2





#35

Dibromofluoromethane

Concen: 50.483 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.03 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

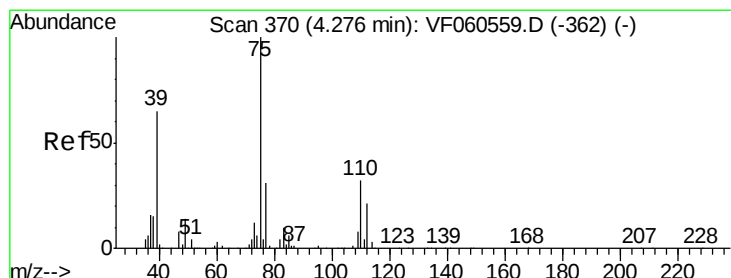
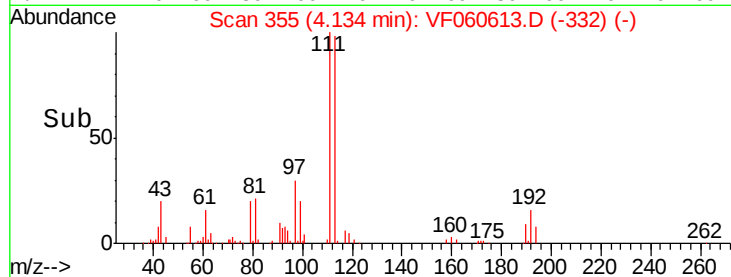
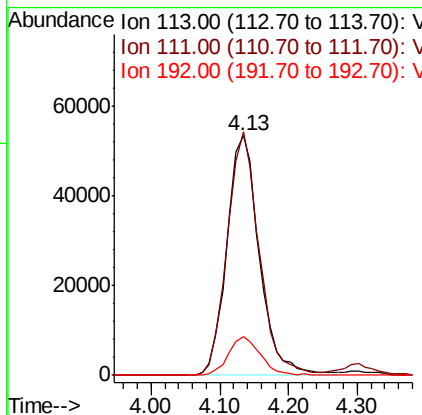
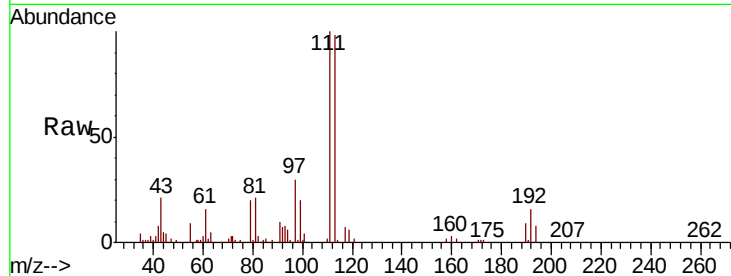
ClientSampleId :

VF1106SBSD01

Tot Ion:	113	Resp:	174874
Ion Ratio	Lower	Upper	
113	100		
111	101.6	79.9	119.9
192	16.1	13.3	19.9

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#36

1,1-Dichloropropene

Concen: 19.871 ug/l

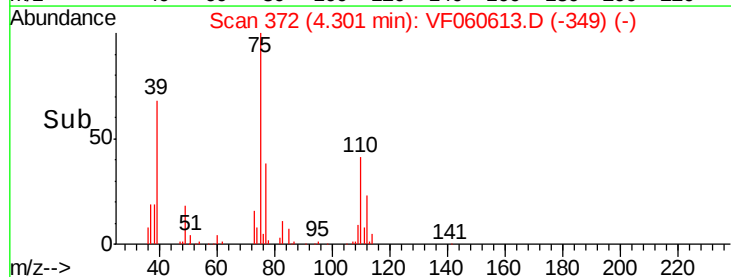
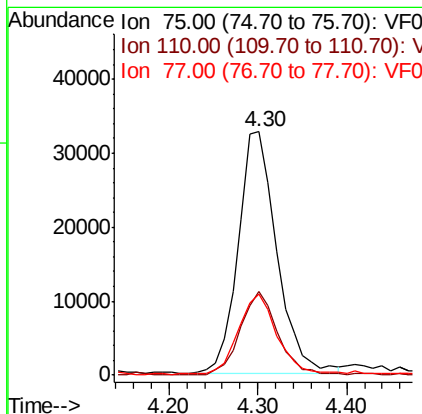
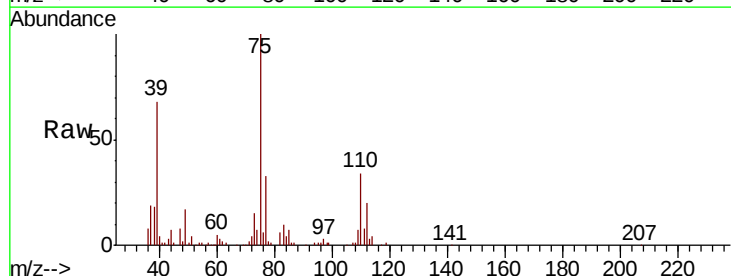
RT: 4.30 min Scan# 372

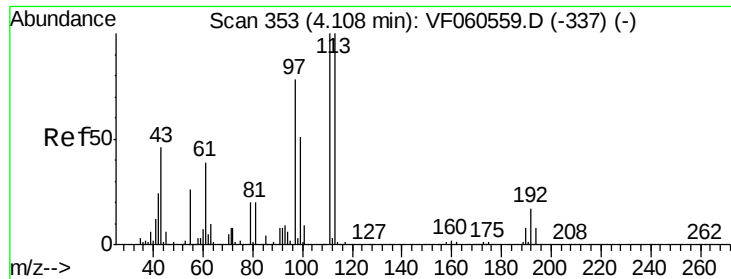
Delta R.T. 0.03 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	75	Resp:	98099
Ion Ratio	Lower	Upper	
75	100		
110	34.2	16.2	48.6
77	33.2	25.0	37.6





#37

Ethyl Acetate

Concen: 20.145 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.03 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

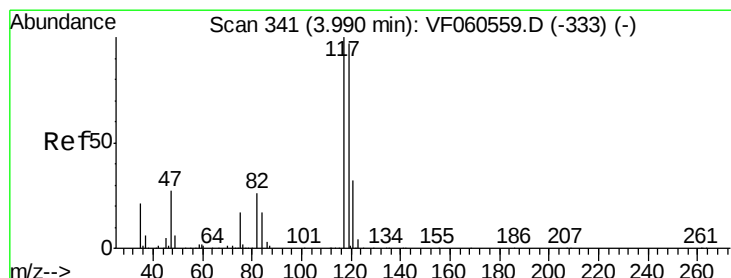
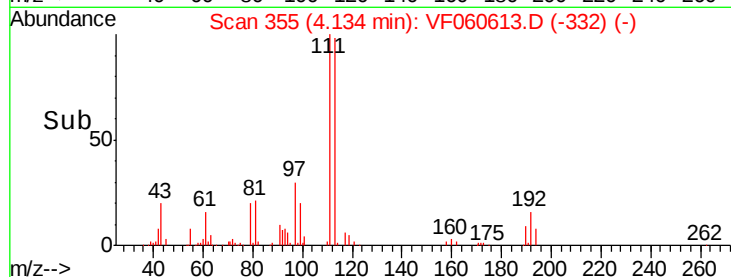
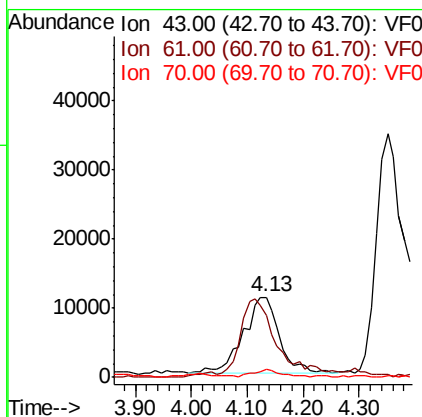
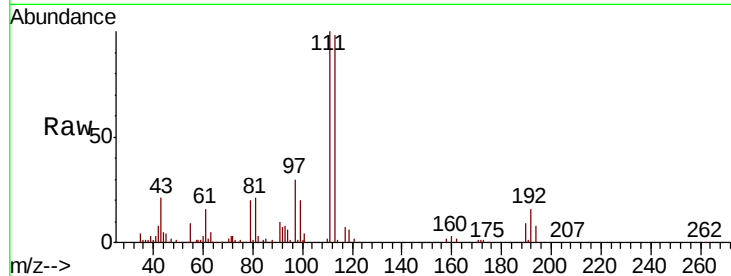
ClientSampleId :

VF1106SBSD01

Tot Ion:	43	Resp:	47740
Ion	Ratio	Lower	Upper
43	100		
61	77.4	63.4	95.2
70	10.3	9.3	13.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.378 ug/l

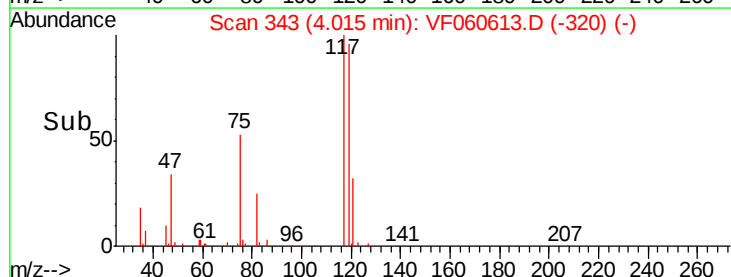
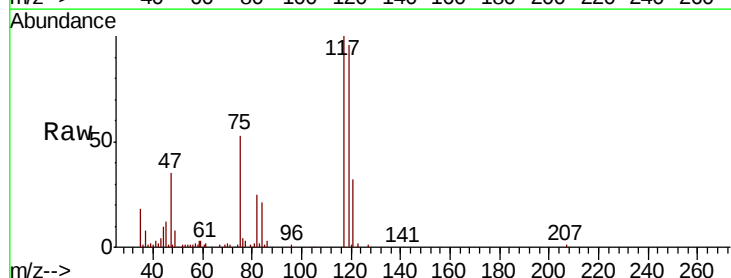
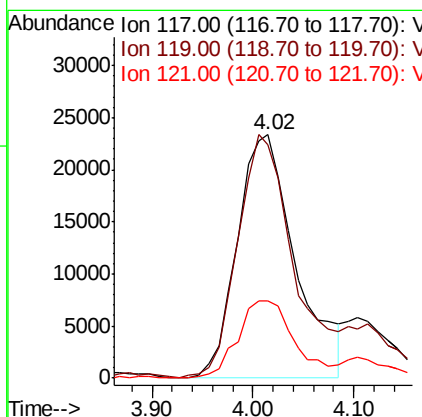
RT: 4.02 min Scan# 343

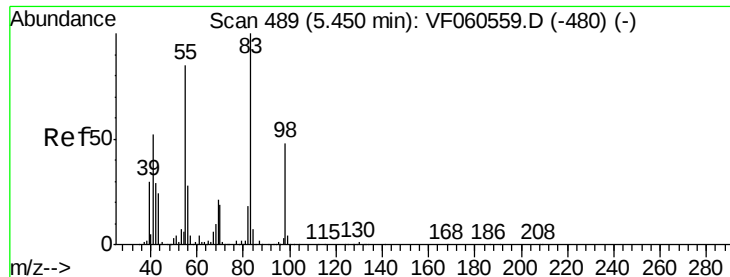
Delta R.T. 0.03 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	117	Resp:	94400
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.8	116.6
121	31.9	25.6	38.4





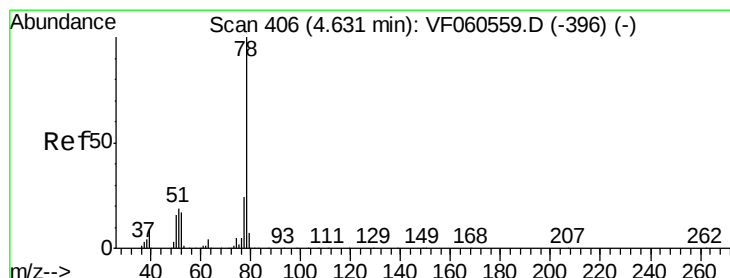
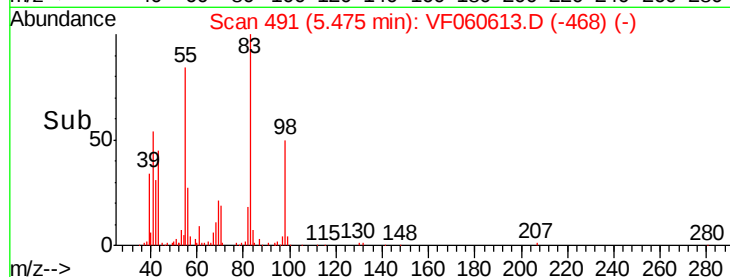
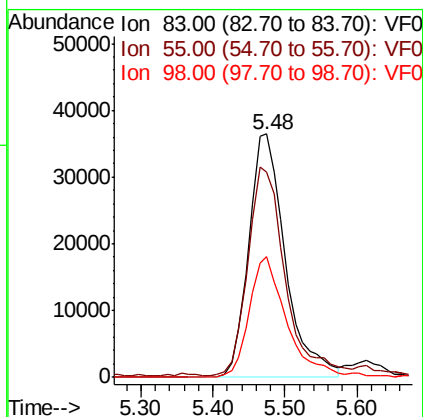
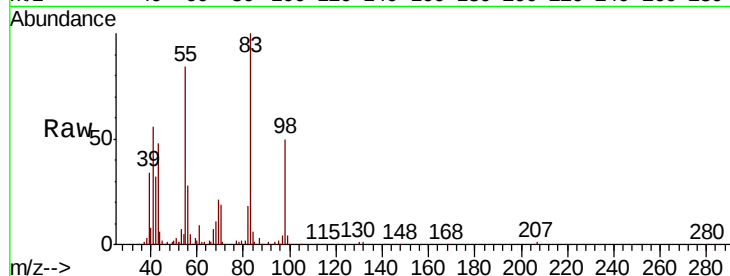
#39
Methylvlcvclohexane
Concen: 21.510 ug/l
RT: 5.48 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	69.1	103.7
98	49.6	38.6	57.8

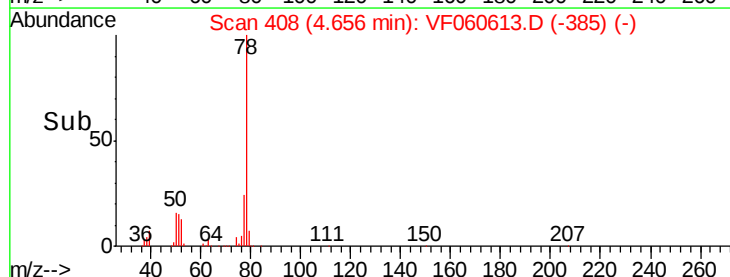
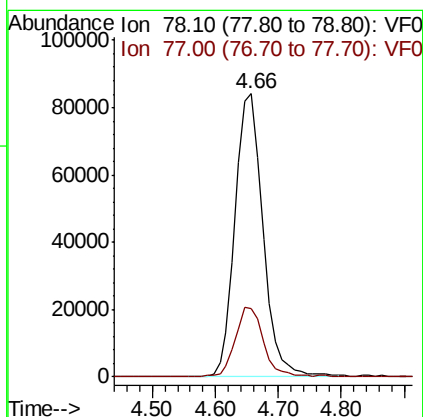
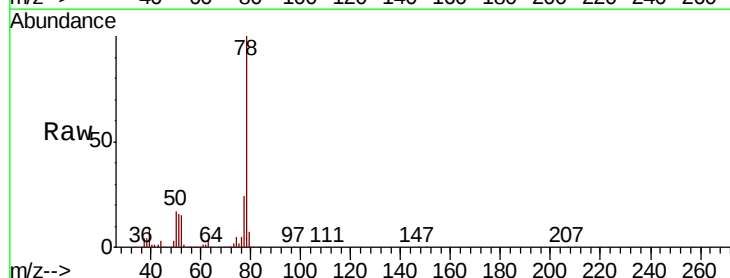
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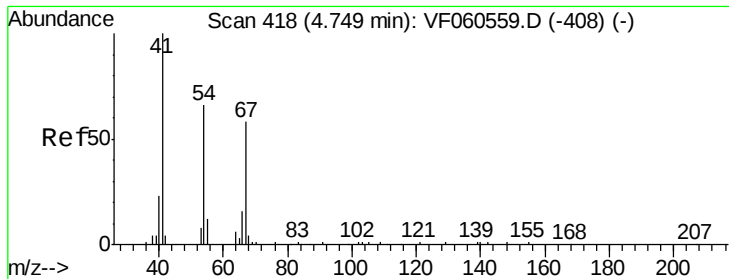
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#40
Benzene
Concen: 21.616 ug/l
RT: 4.66 min Scan# 408
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





#41

Methacrylonitrile

Concen: 21.453 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

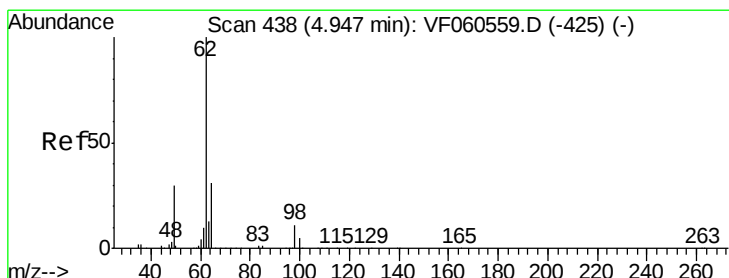
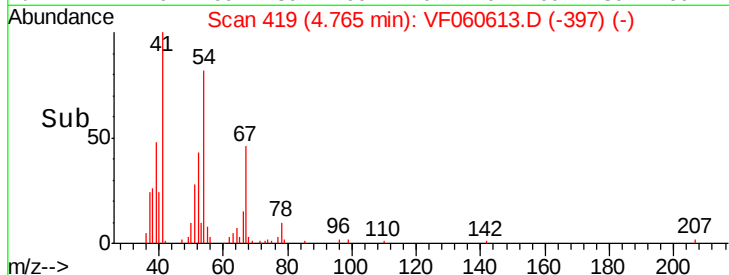
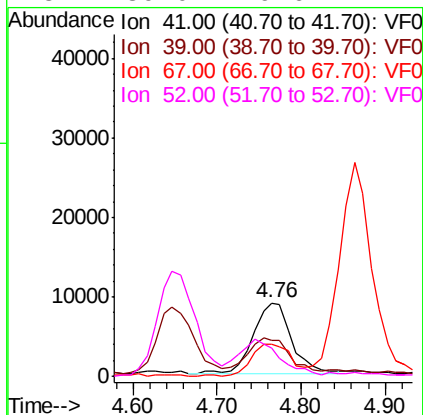
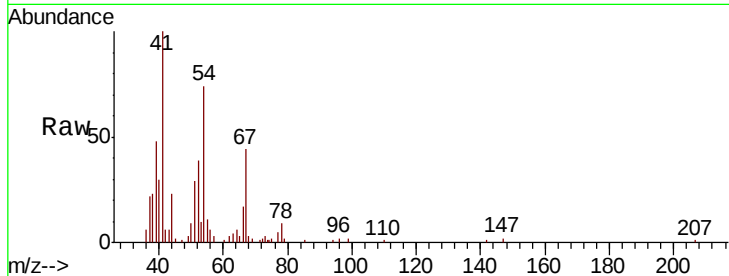
ClientSampleId :

VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	45.6	68.4
67	44.2	45.3	67.9#
52	39.0	29.6	44.4

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#42

1,2-Dichloroethane

Concen: 22.346 ug/l

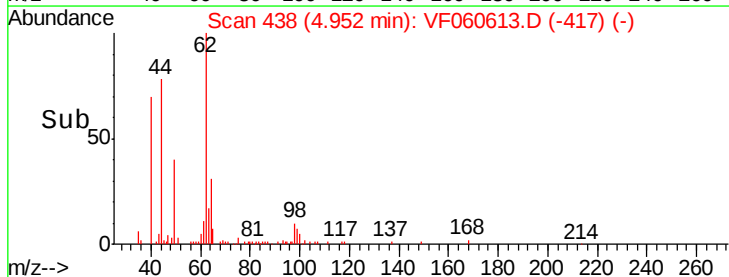
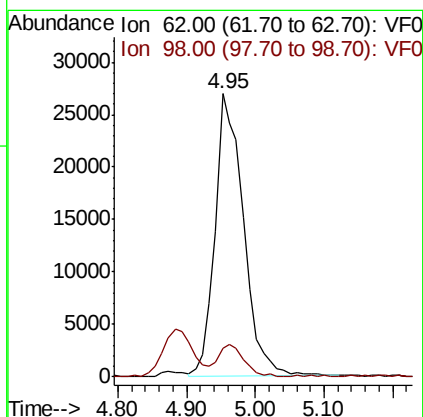
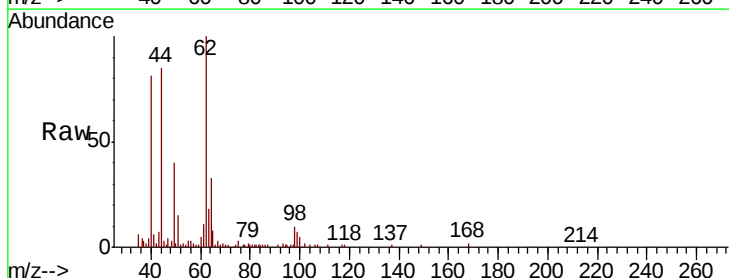
RT: 4.95 min Scan# 438

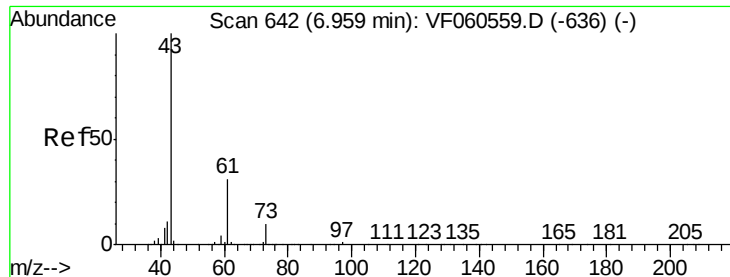
Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.4





#43

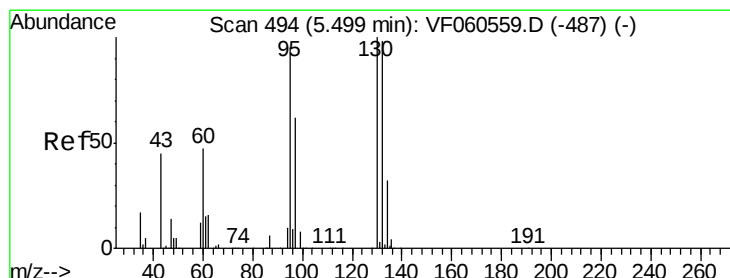
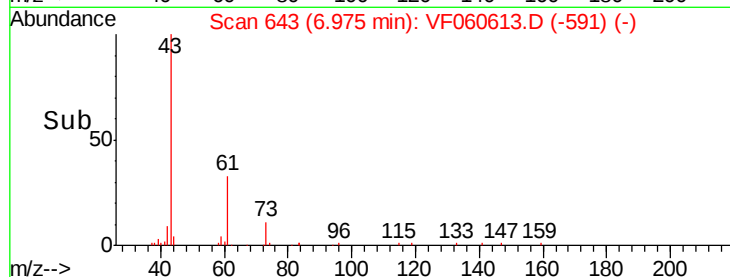
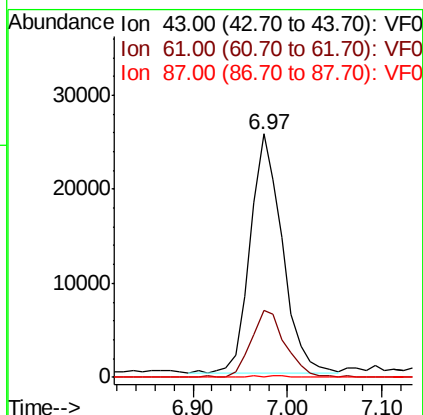
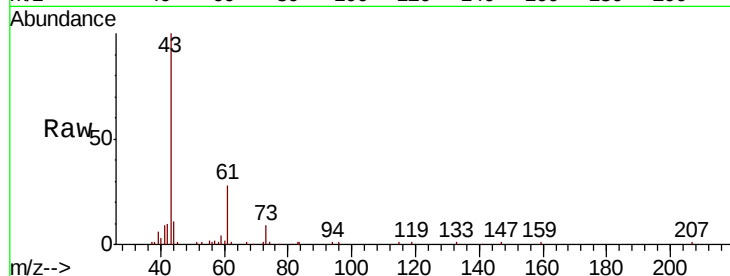
Isopropyl Acetate
 Concen: 20.031 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.02 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	43	Resp	60045
Ion Ratio	100	Lower	Upper
43	100		
61	27.6	24.2	36.2
87	0.0	0.2	0.4

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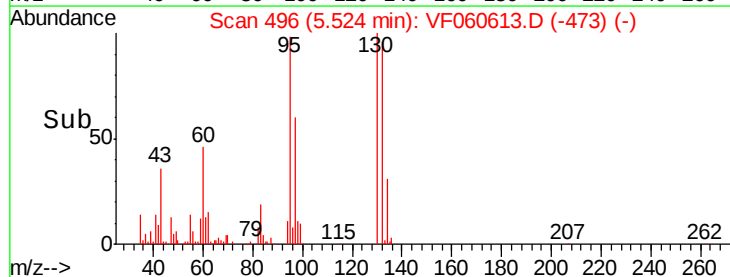
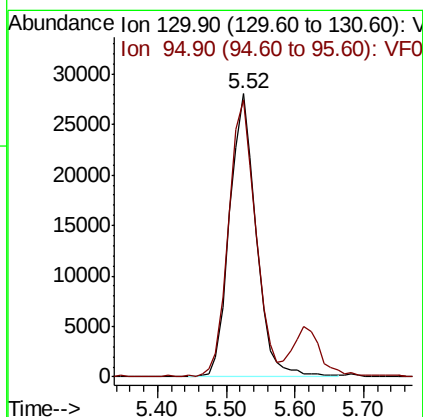
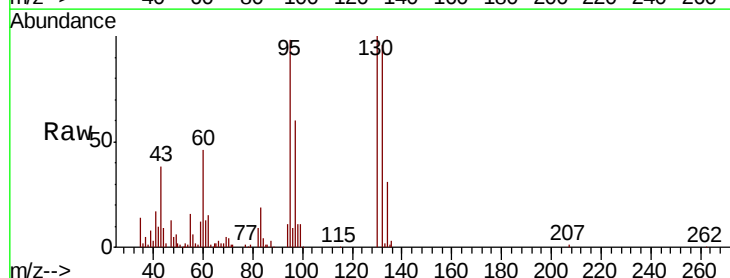
apatel
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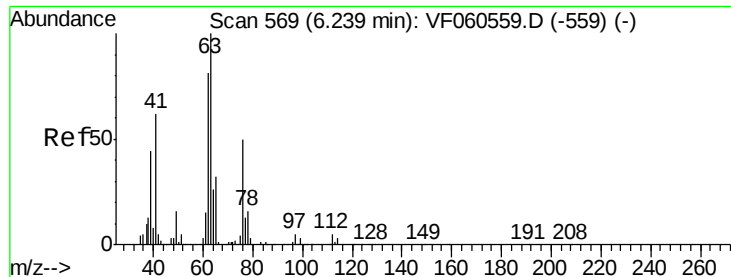


#44

Trichloroethene
 Concen: 20.806 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	130	Resp	74929
Ion Ratio	100	Lower	Upper
130	100		
95	97.8	0.0	191.0





#45

1,2-Dichloropropane

Concen: 20.513 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 63 Resp: 62867

Ion Ratio Lower Upper

63 100

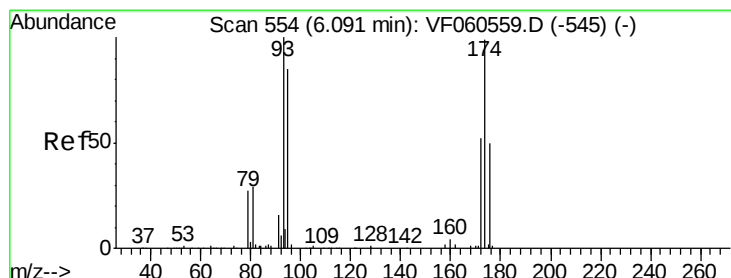
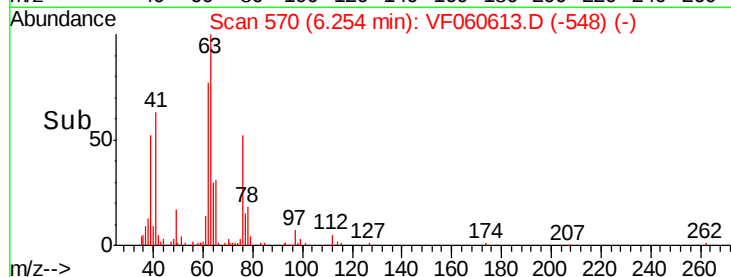
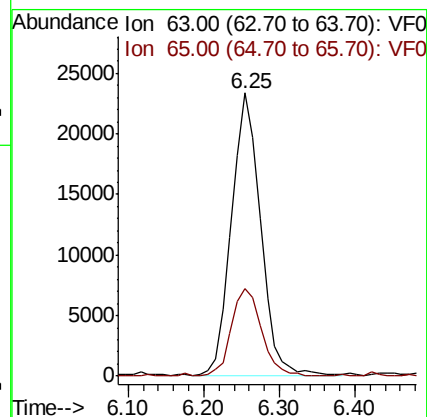
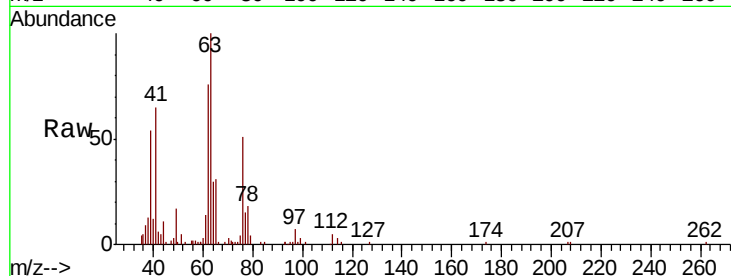
65 30.9 25.4 38.0

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#46

Dibromomethane

Concen: 21.709 ug/l

RT: 6.11 min Scan# 555

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

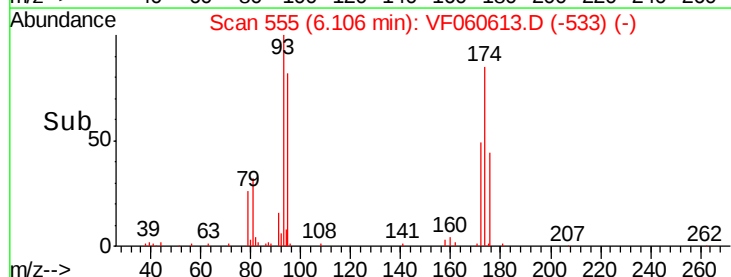
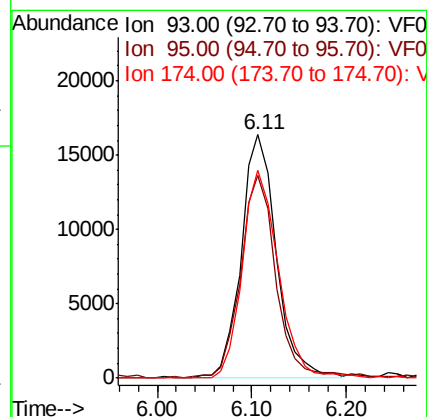
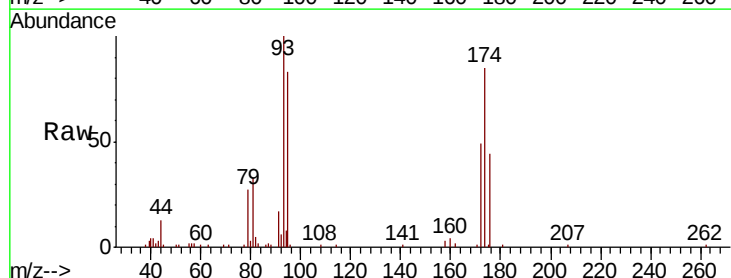
Tgt Ion: 93 Resp: 42208

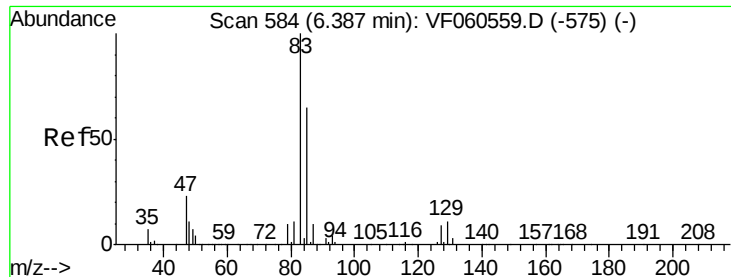
Ion Ratio Lower Upper

93 100

95 83.1 68.6 102.8

174 85.5 79.0 118.4





#47

Bromodichloromethane

Concen: 21.085 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

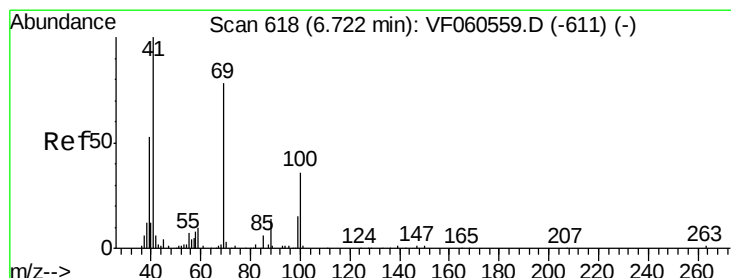
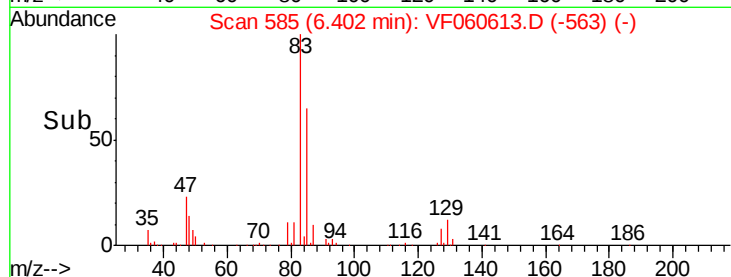
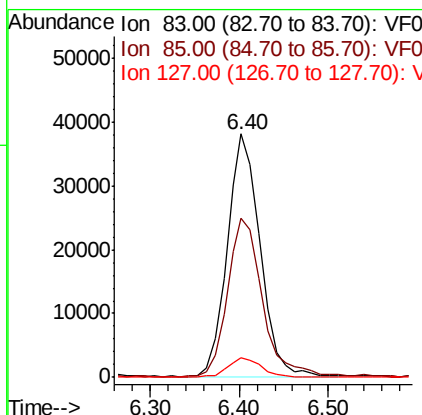
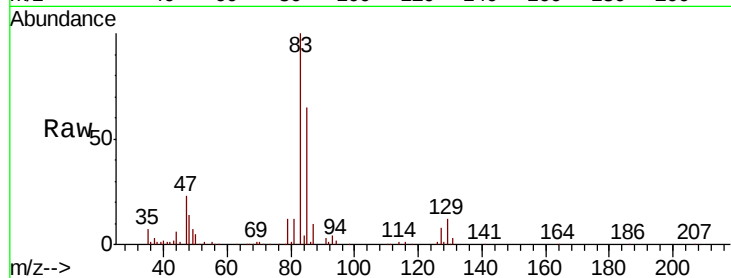
ClientSampleId :

VF1106SBS01

Tot Ion:	83	Resp:	98882
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6
127	8.3	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.867 ug/l

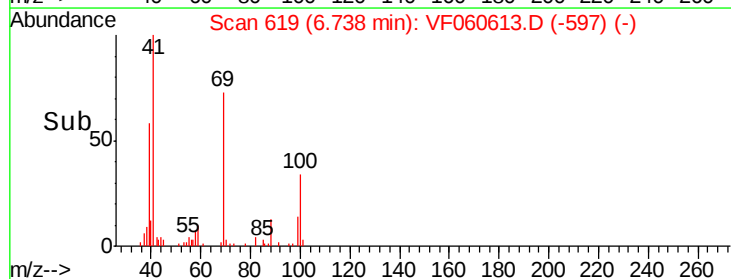
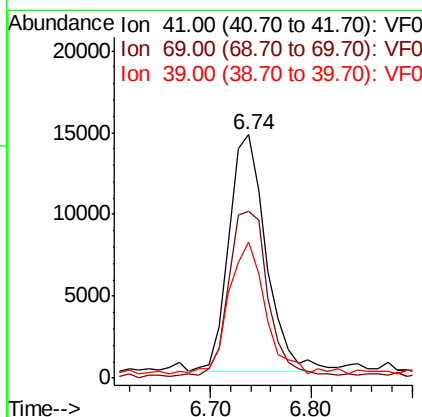
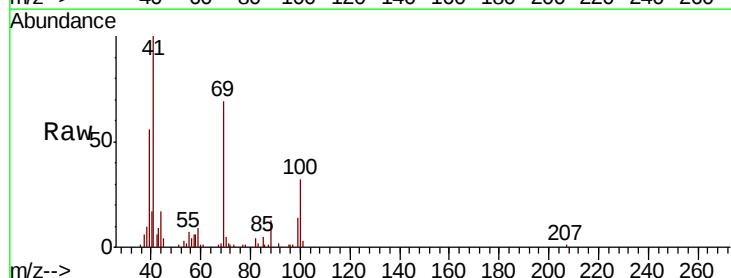
RT: 6.74 min Scan# 619

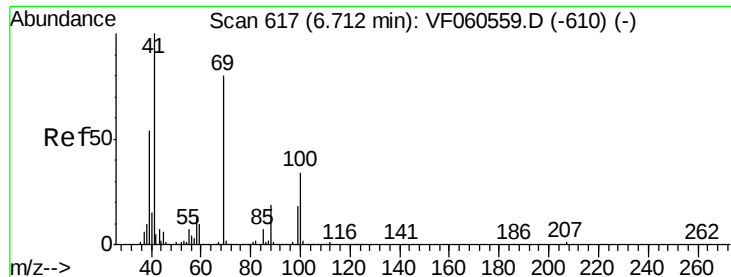
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	41	Resp:	37428
Ion	Ratio	Lower	Upper
41	100		
69	68.6	61.1	91.7
39	55.7	43.0	64.6





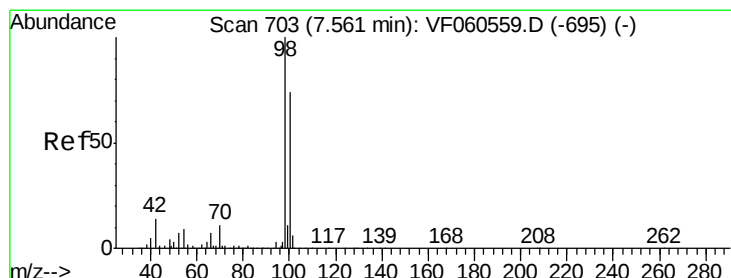
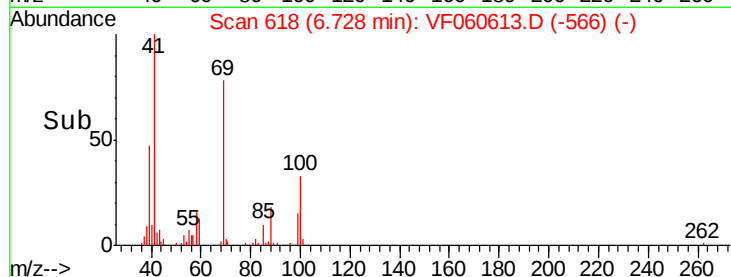
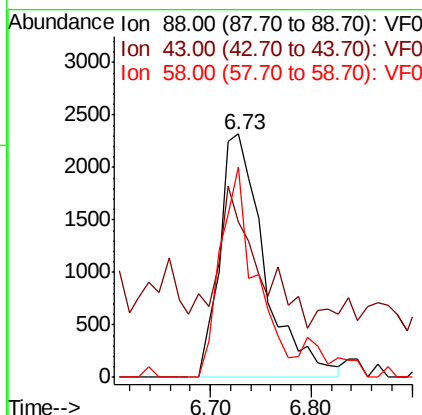
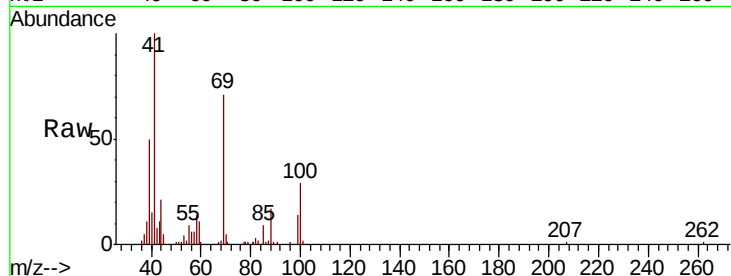
#49
1,4-Dioxane
Concen: 363.305 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.9	61.2	91.8
58	86.3	56.9	85.3#

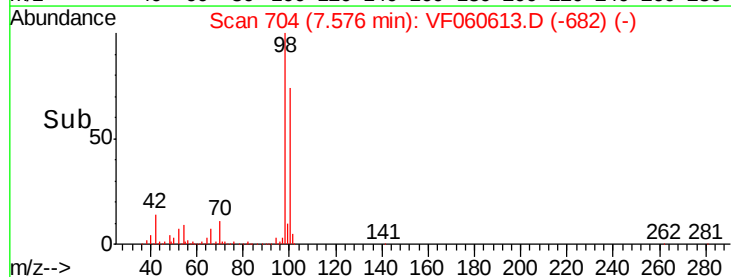
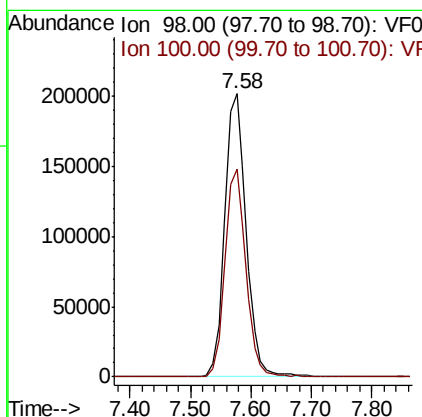
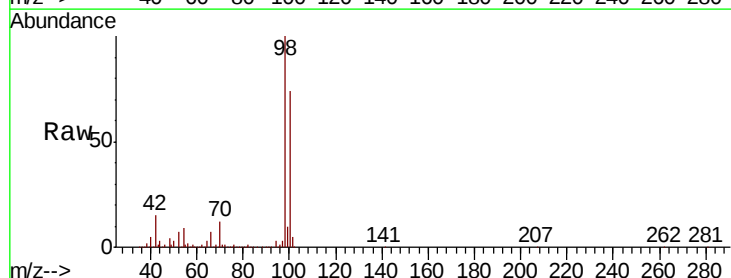
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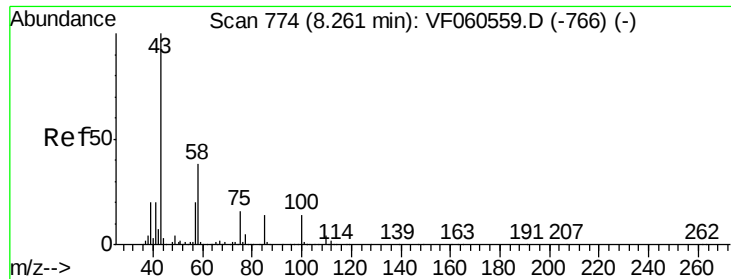
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#50
Toluene-d8
Concen: 48.339 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.5	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 109.900 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 43 Resp: 221534

Ion Ratio Lower Upper

43 100

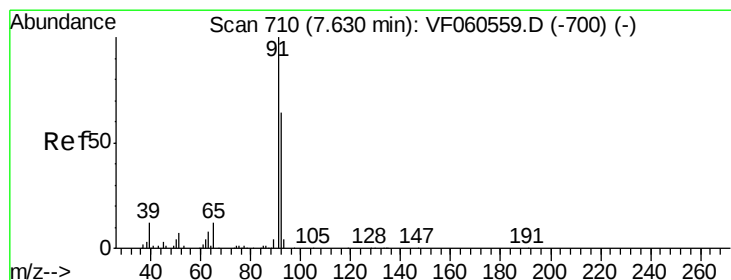
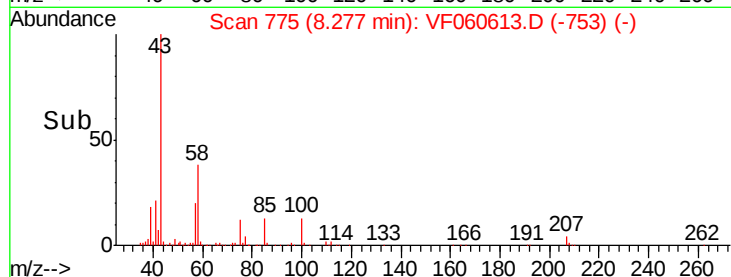
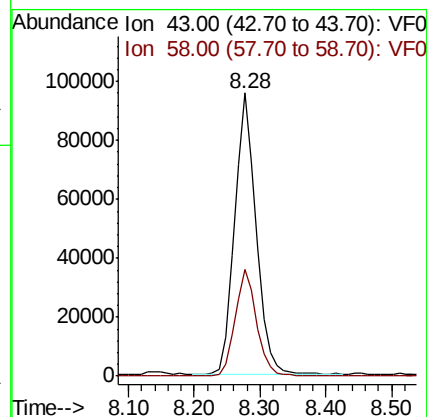
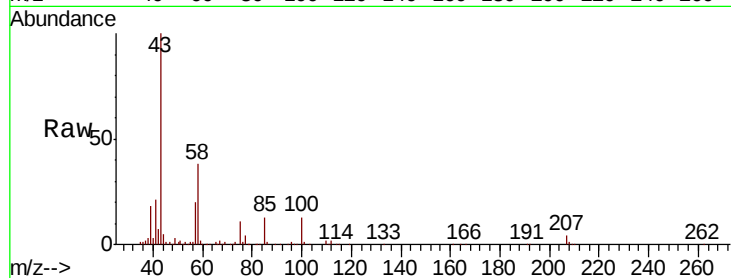
58 37.8 30.1 45.1

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#52

Toluene

Concen: 19.793 ug/l

RT: 7.65 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF060613.D

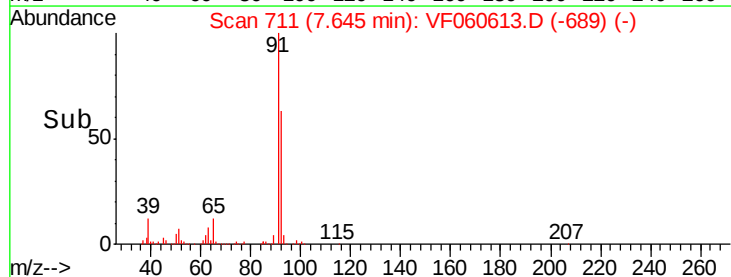
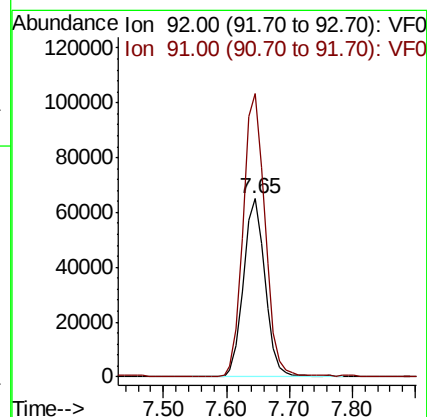
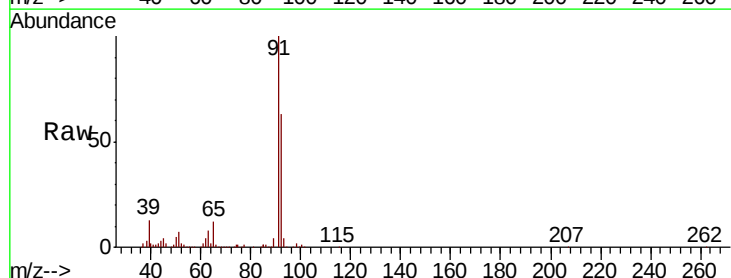
Acq: 6 Nov 2018 15:02

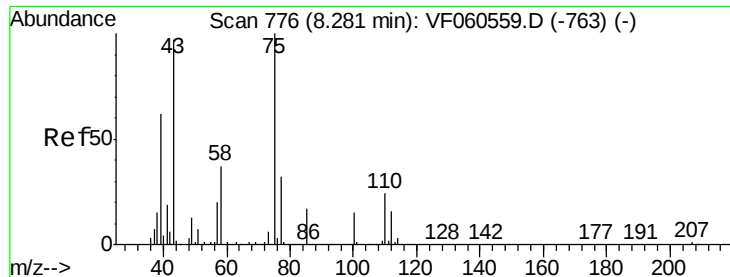
Tgt Ion: 92 Resp: 154499

Ion Ratio Lower Upper

92 100

91 158.8 124.5 186.7





#53

t-1,3-Dichloropropene

Concen: 19.574 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion: 75 Resp: 79783

Ion Ratio Lower Upper

75 100

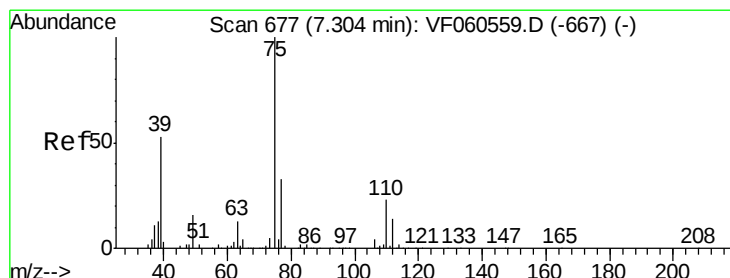
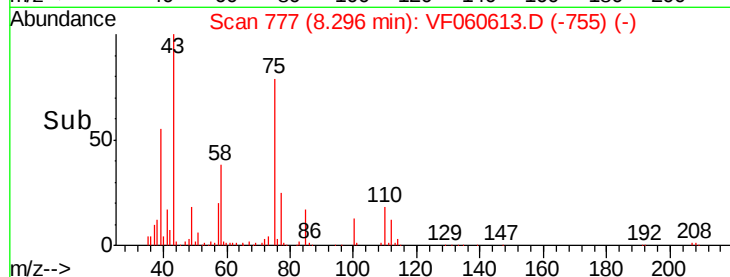
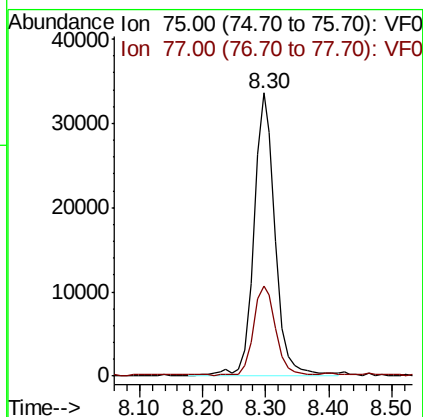
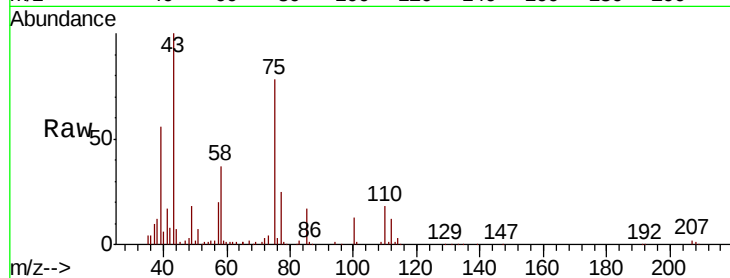
77 31.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.920 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

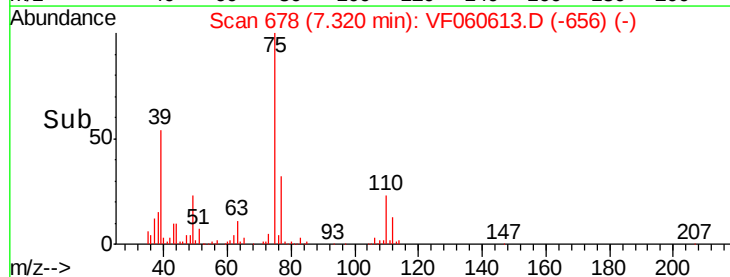
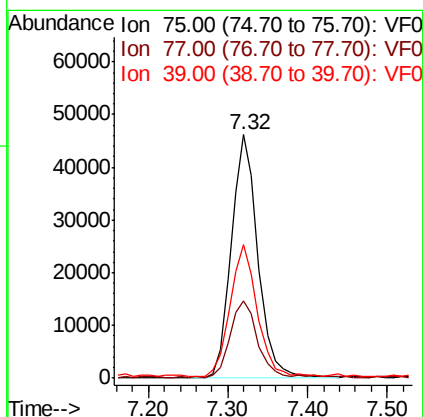
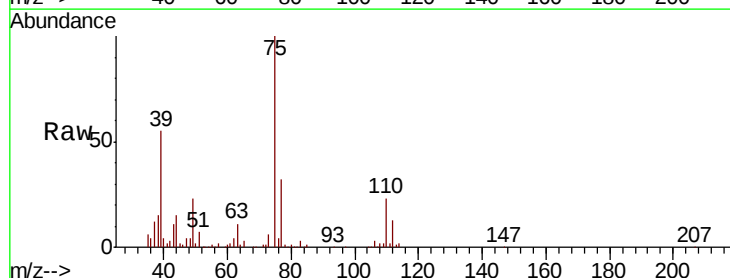
Tgt Ion: 75 Resp: 107734

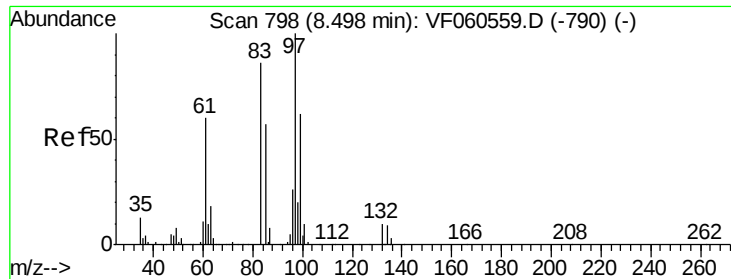
Ion Ratio Lower Upper

75 100

77 31.7 26.7 40.1

39 55.0 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.764 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

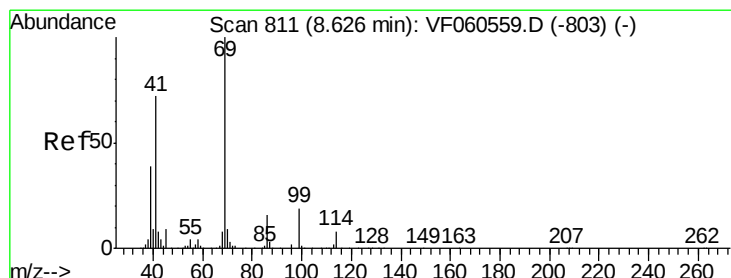
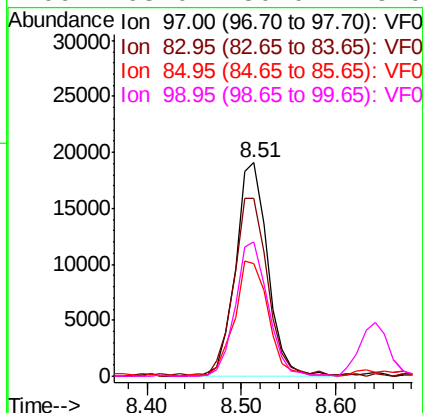
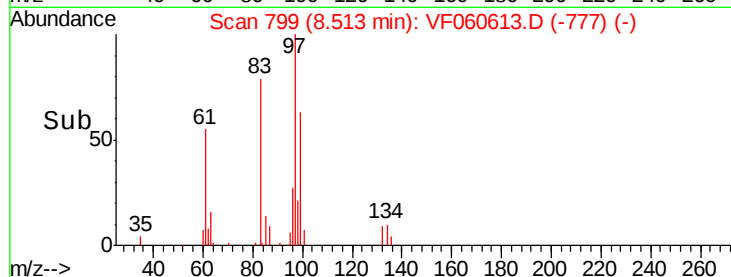
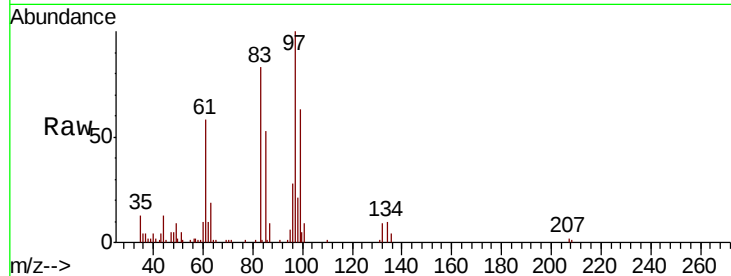
ClientSampleId :

VF1106SBSD01

Tot Ion:	97	Resp:	44894
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.4	104.0
85	52.9	46.6	69.8
99	63.0	50.0	75.0

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#56

Ethyl methacrylate

Concen: 20.392 ug/l

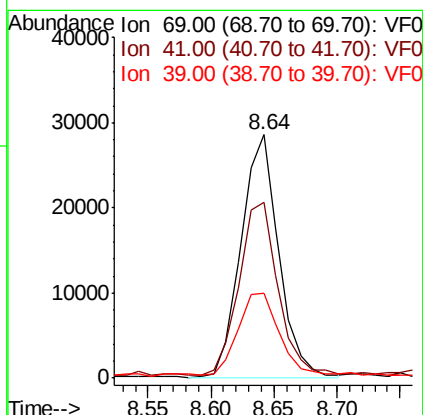
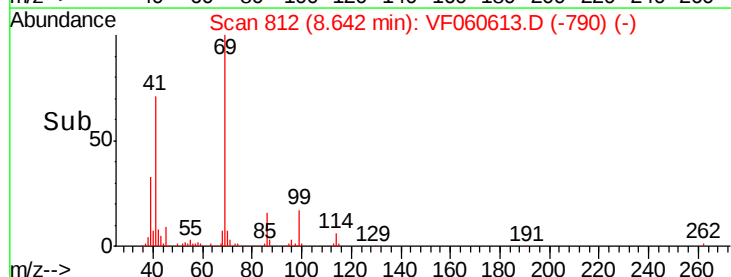
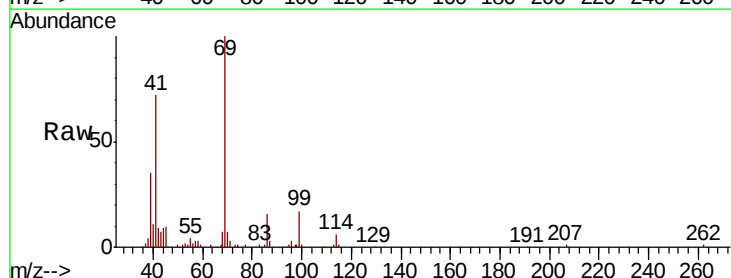
RT: 8.64 min Scan# 812

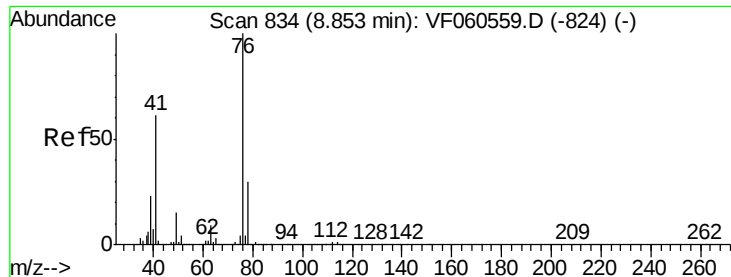
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	69	Resp:	59595
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.2	88.8
39	35.1	32.3	48.5





#57

1,3-Dichloropropane

Concen: 19.544 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 76 Resp: 77898

Ion Ratio Lower Upper

76 100

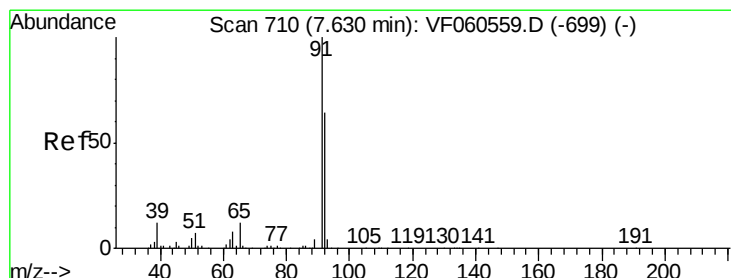
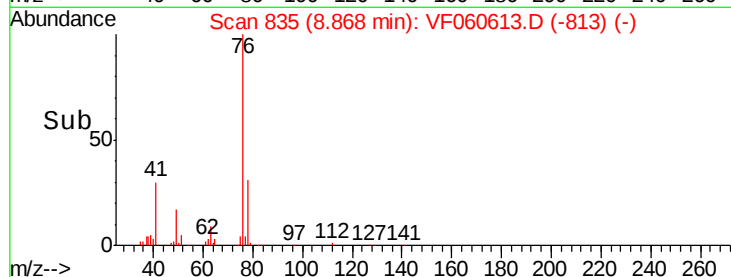
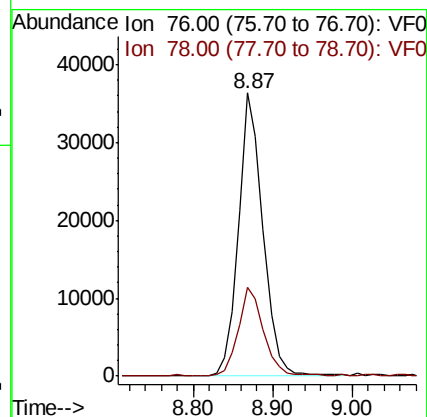
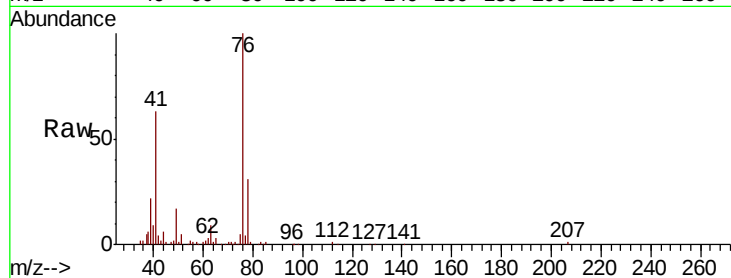
78 31.3 24.2 36.4

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#58

2-Chloroethyl Vinyl ether

Concen: 99.182 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF060613.D

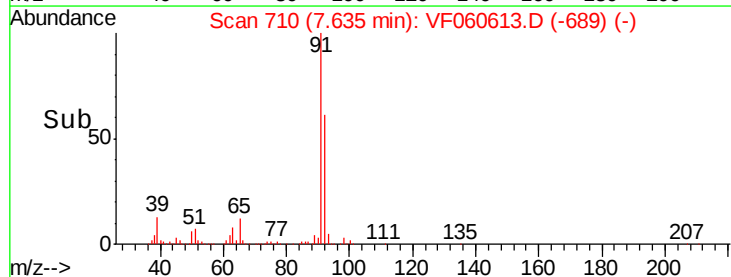
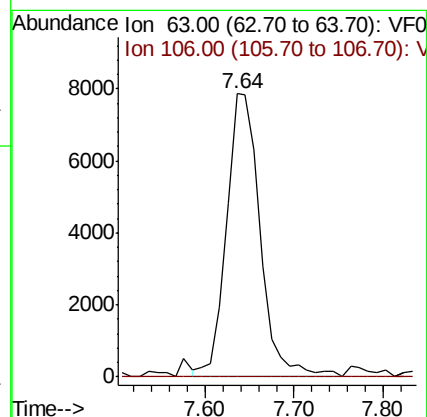
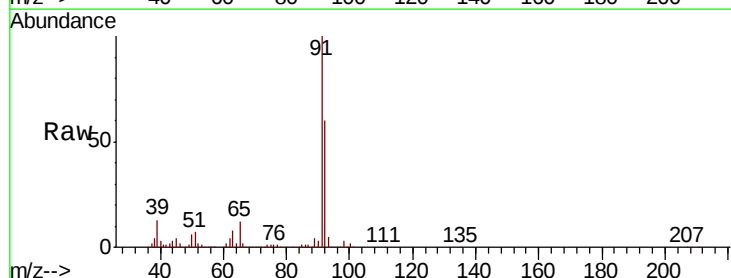
Acq: 6 Nov 2018 15:02

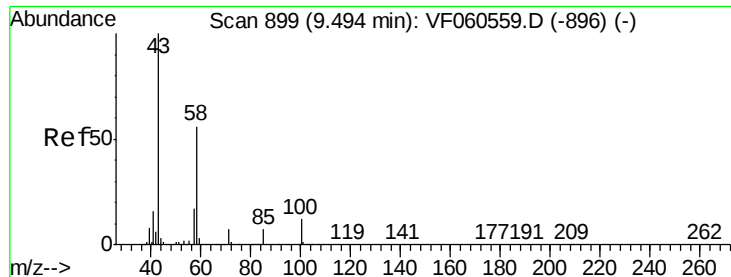
Tgt Ion: 63 Resp: 20894

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





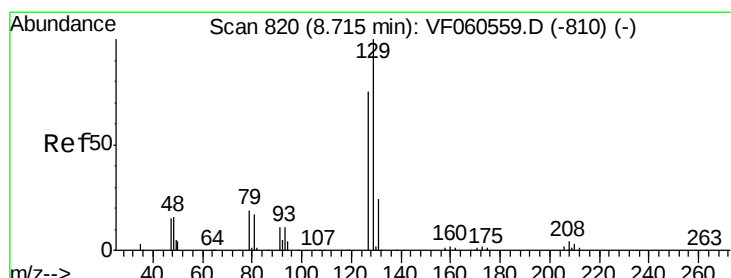
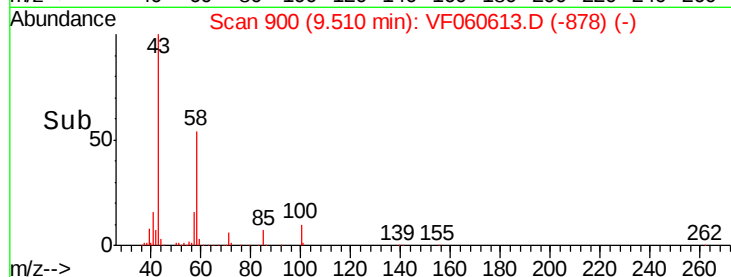
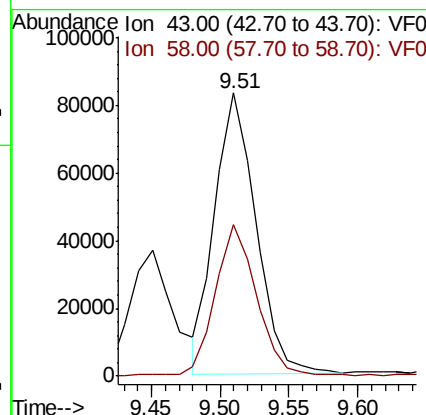
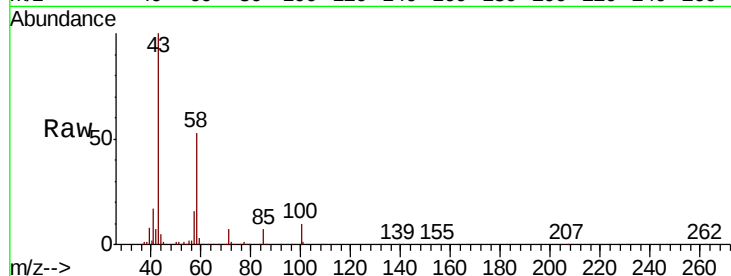
#59
2-Hexanone
Concen: 114.977 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion: 43 Resp: 171924
Ion Ratio Lower Upper
43 100
58 53.5 26.1 78.3

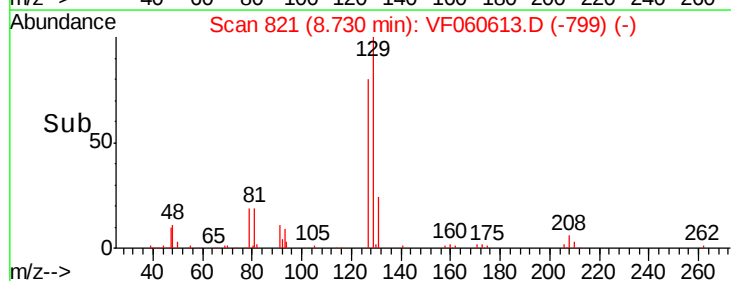
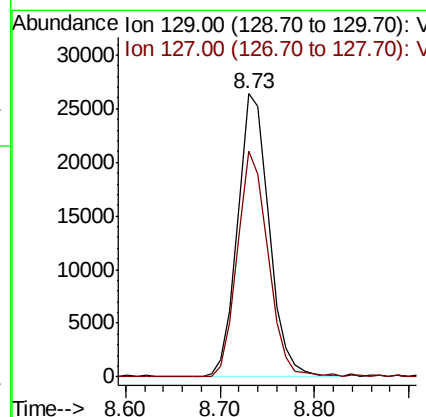
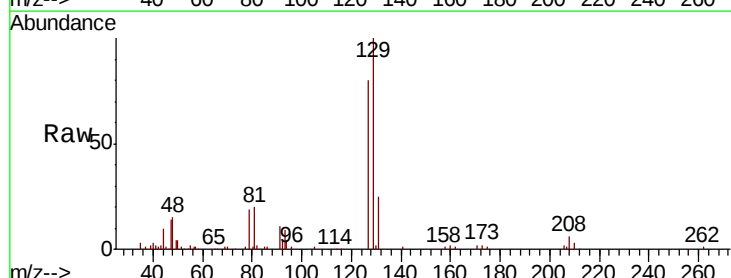
Manual Integrations
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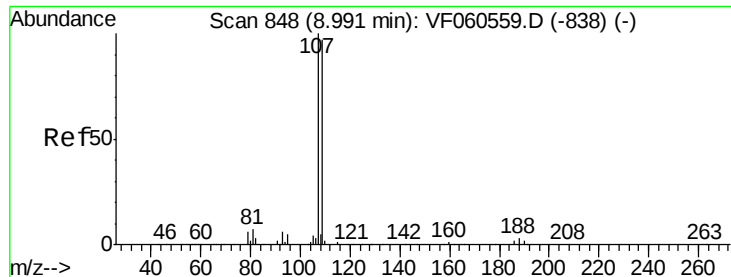
apatel
11/7/2018 11:21:35 AM



#60
Dibromochloromethane
Concen: 19.194 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion: 129 Resp: 60974
Ion Ratio Lower Upper
129 100
127 79.9 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.010 ug/l

RT: 9.01 min Scan# 849

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:107 Resp: 47799

Ion Ratio Lower Upper

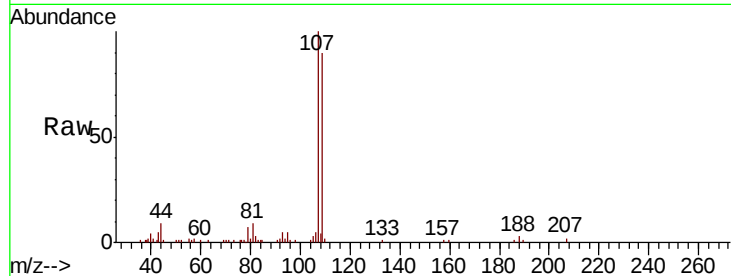
107 100

109 89.6 77.5 116.3

Manual Integrations
APPROVED

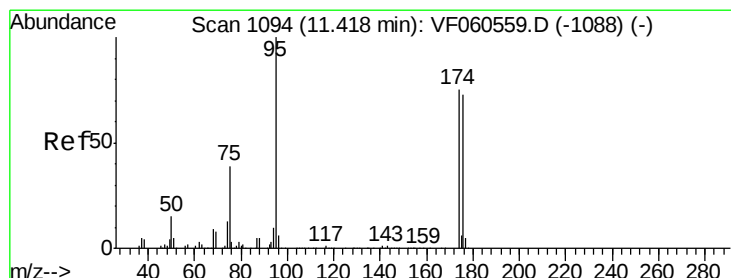
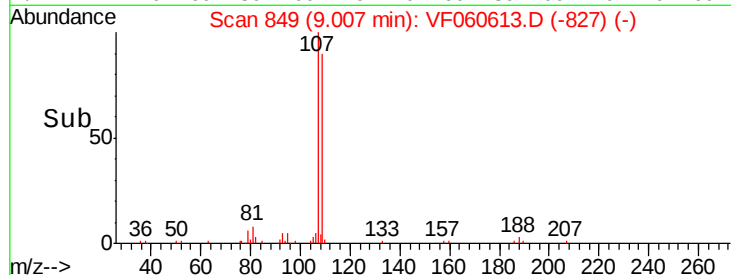
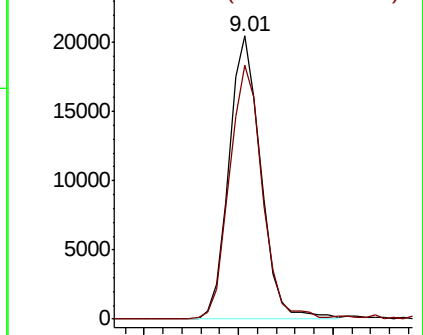
apatel

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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: 48.169 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

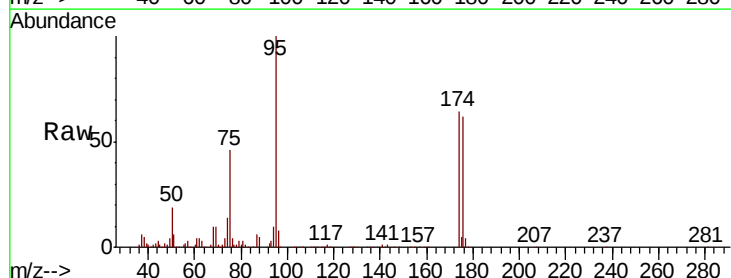
Tgt Ion: 95 Resp: 216204

Ion Ratio Lower Upper

95 100

174 64.2 0.0 149.0

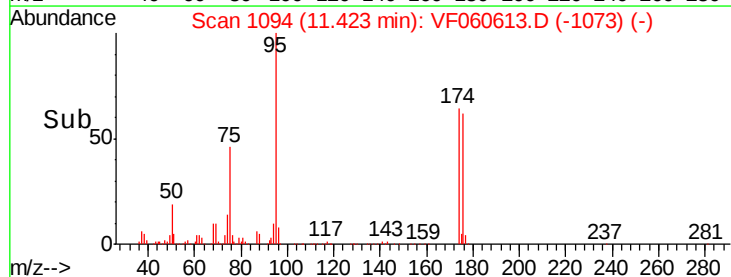
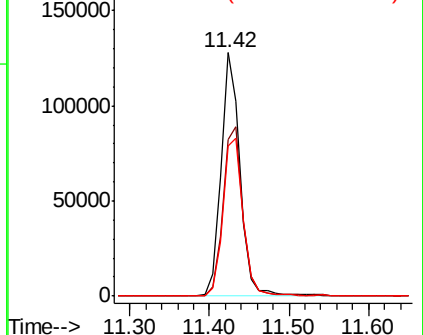
176 61.7 0.0 145.6

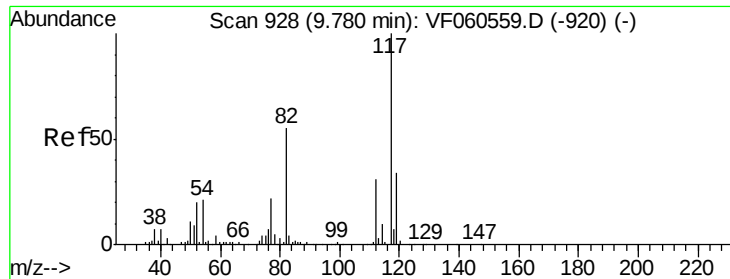


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





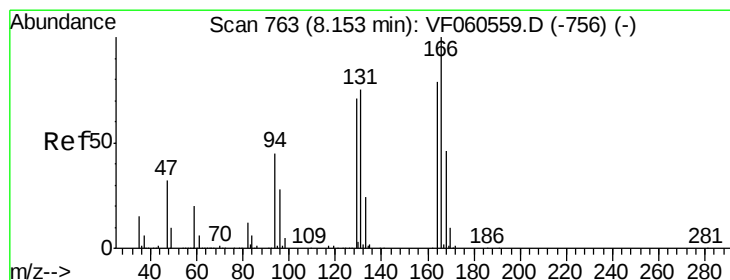
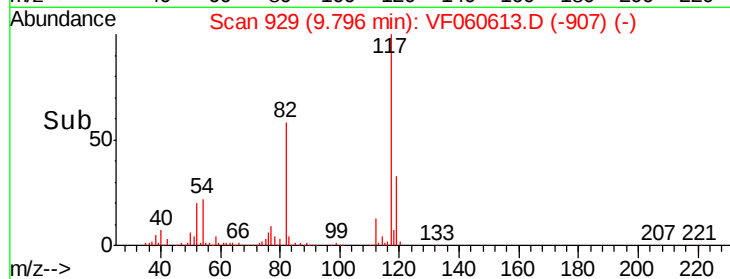
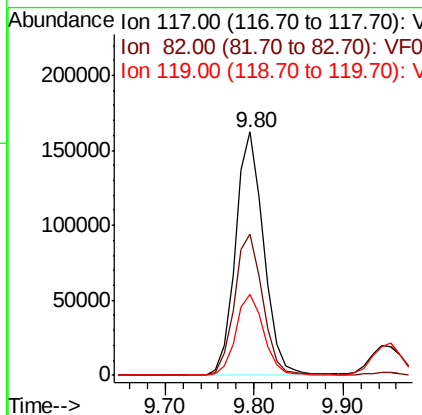
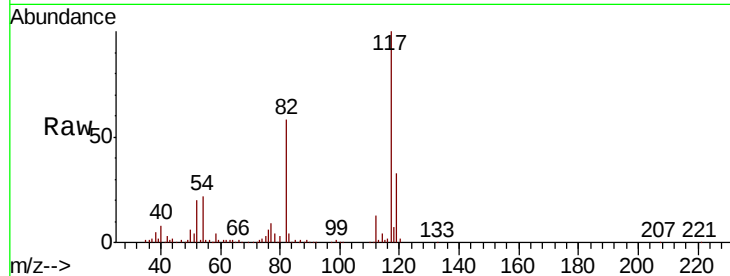
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	359186		
82	57.8		43.9	65.9
119	33.0		27.4	41.0

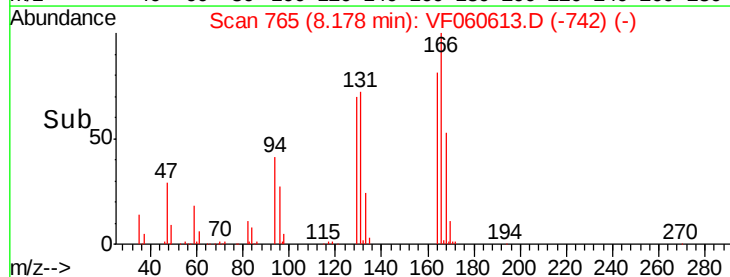
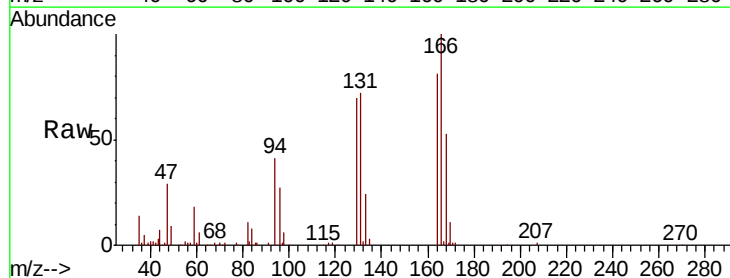
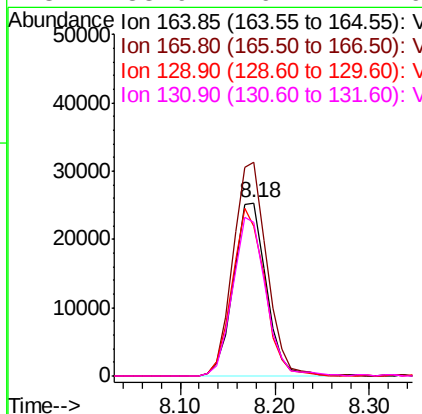
Manual Integrations
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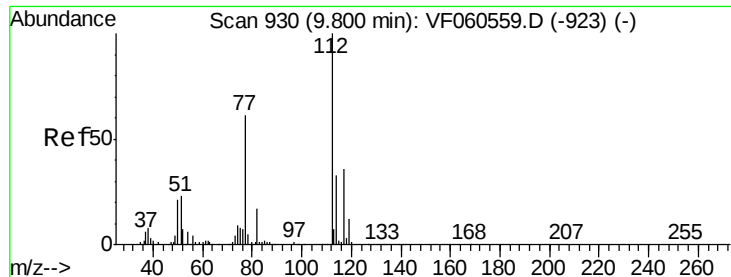
apatel
11/7/2018 11:21:35 AM



#64
Tetrachloroethene
Concen: 21.603 ug/l
RT: 8.18 min Scan# 765
Delta R.T. 0.03 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60812		
166	123.3		101.5	152.3
129	86.5		72.5	108.7
131	88.9		76.4	114.6





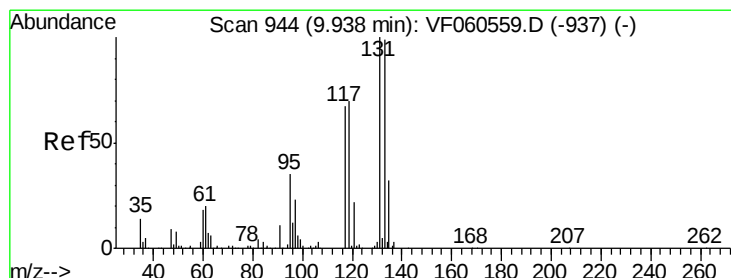
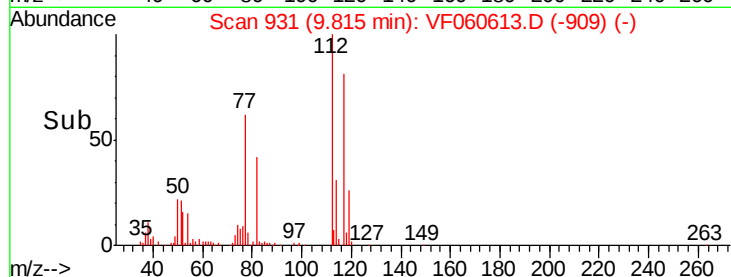
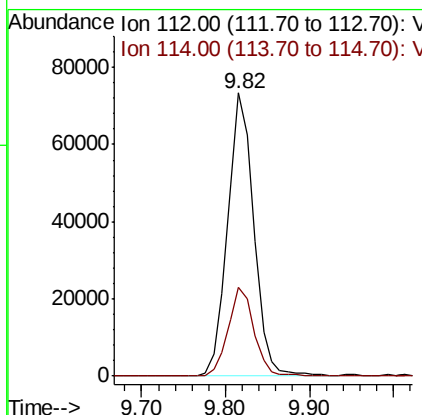
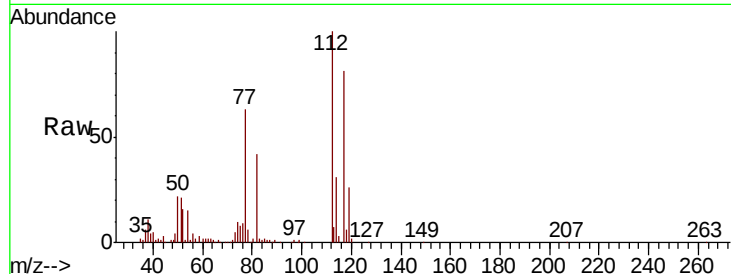
#65
Chlorobenzene
Concen: 21.671 ug/l
RT: 9.82 min Scan# 931
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion:112 Resp: 159183
Ion Ratio Lower Upper
112 100
114 31.4 26.6 40.0

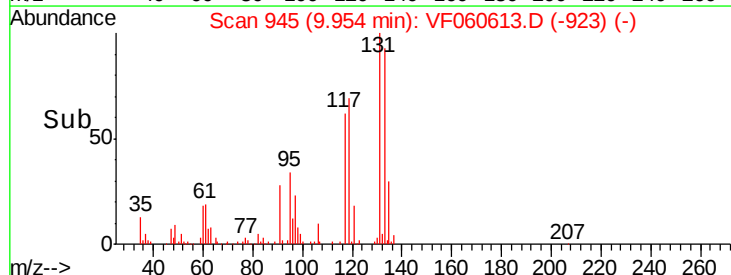
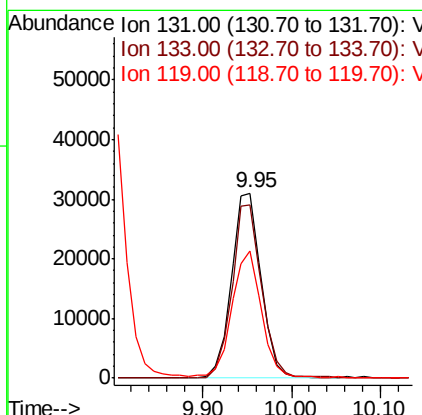
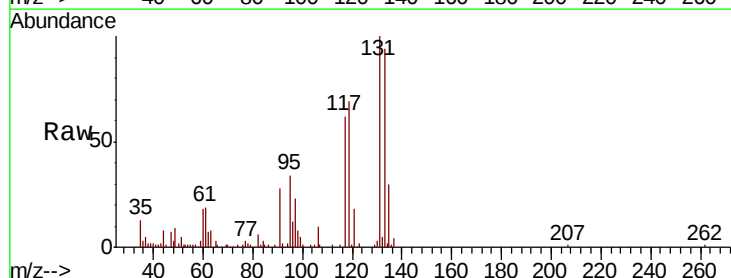
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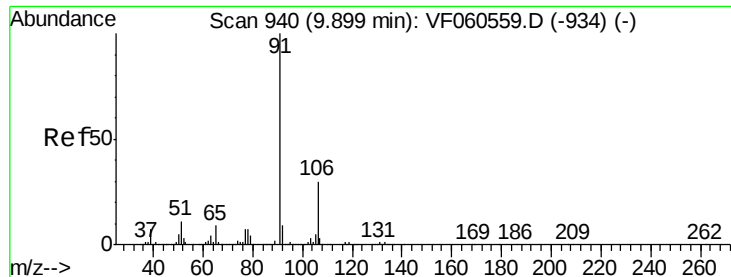
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.265 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion:131 Resp: 72207
Ion Ratio Lower Upper
131 100
133 93.9 49.5 148.7
119 68.8 35.2 105.6





#67

Ethyl Benzene

Concen: 22.900 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 91 Resp: 305243

Ion Ratio Lower Upper

91 100

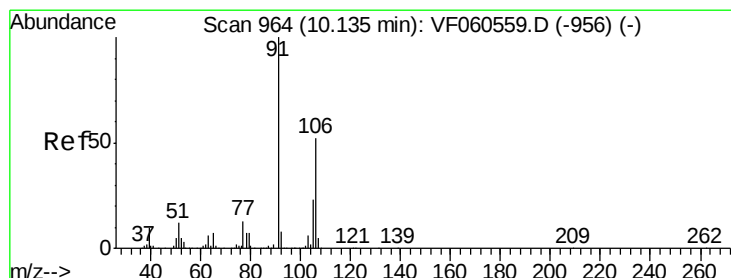
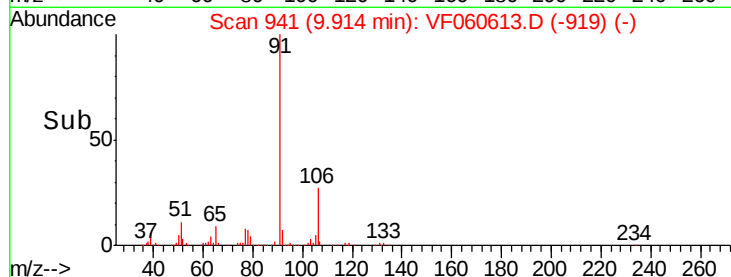
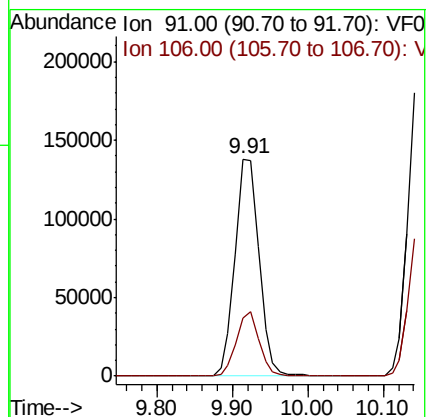
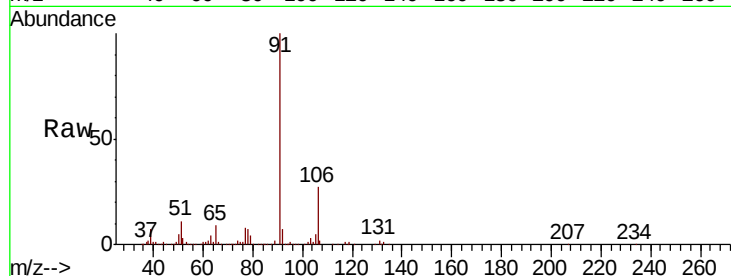
106 26.7 24.2 36.4

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#68

m/p-Xylenes

Concen: 44.567 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF060613.D

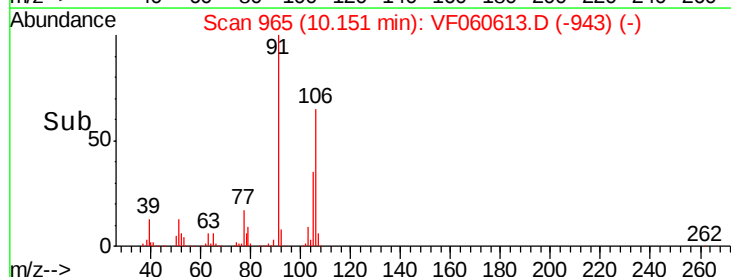
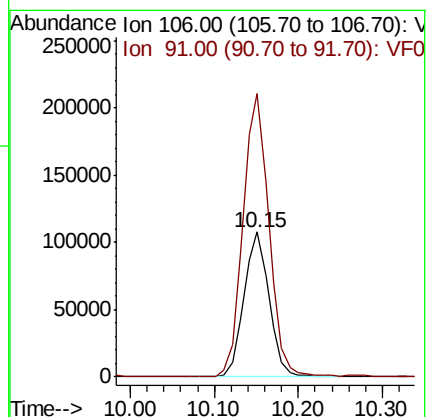
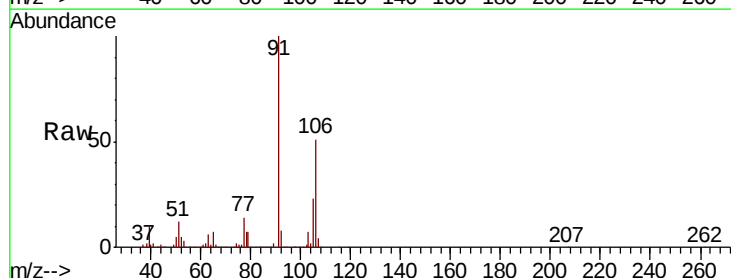
Acq: 6 Nov 2018 15:02

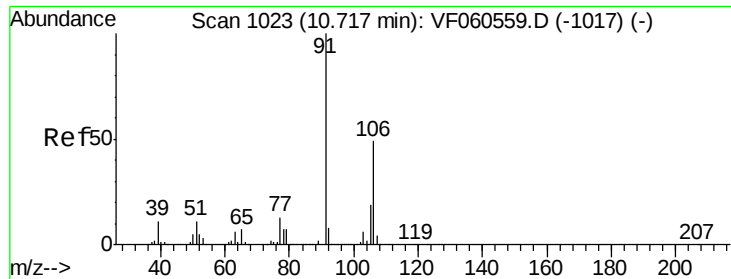
Tgt Ion:106 Resp: 223773

Ion Ratio Lower Upper

106 100

91 195.1 153.9 230.9





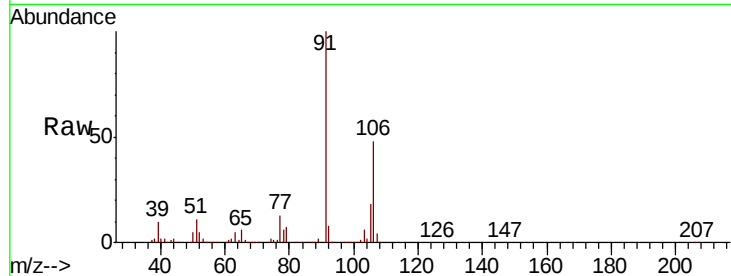
#69
o-Xylene
Concen: 23.541 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

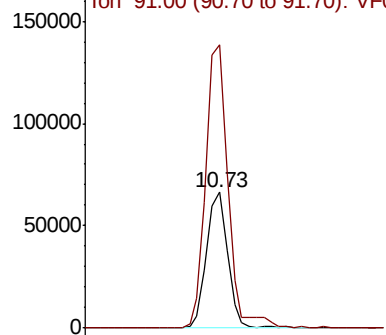
Tot Ion:106 Resp: 129069
Ion Ratio Lower Upper
106 100
91 208.8 101.8 305.3

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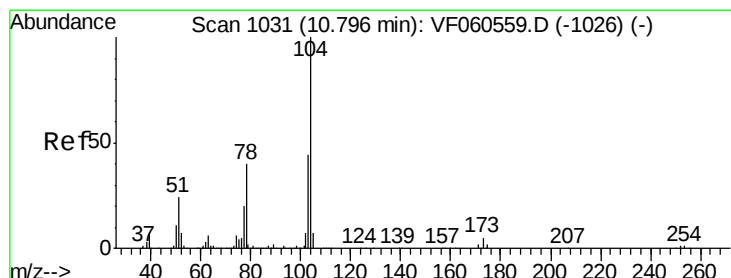
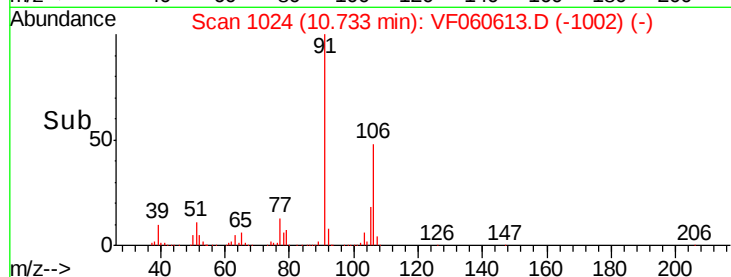
apatel
11/7/2018 11:21:35 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

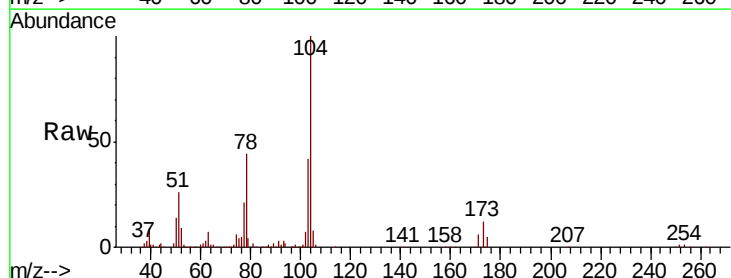


Time-->

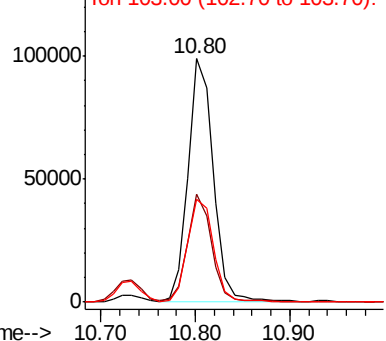


#70
Styrene
Concen: 22.886 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

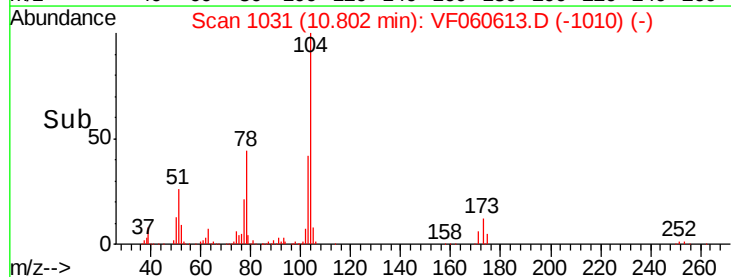
Tgt Ion:104 Resp: 181785
Ion Ratio Lower Upper
104 100
78 44.2 32.6 49.0
103 42.4 35.2 52.8

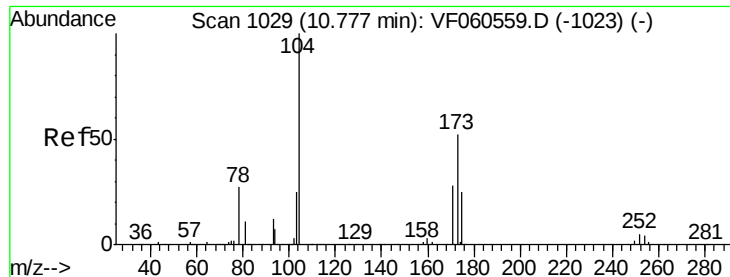


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



Time-->





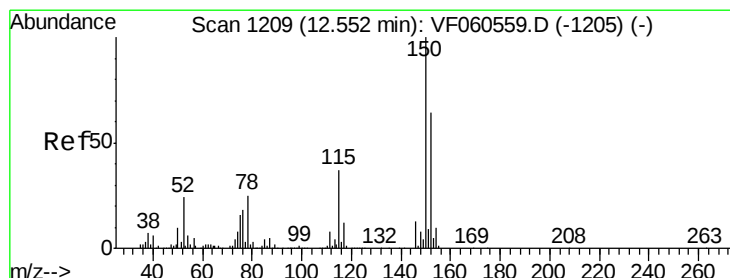
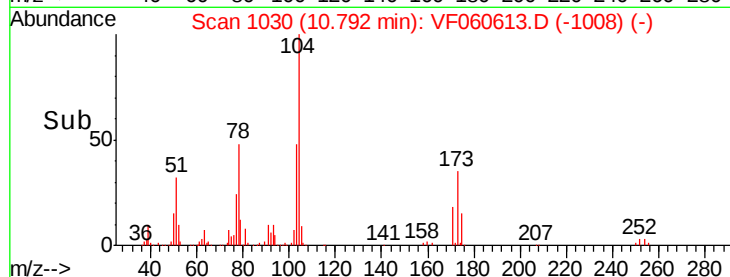
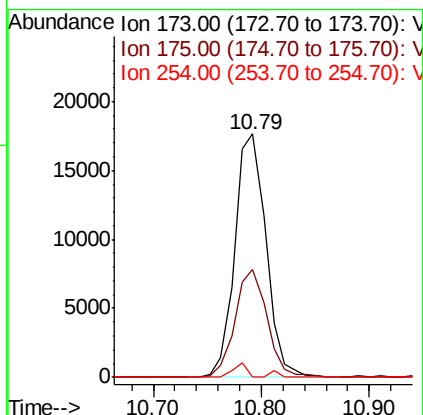
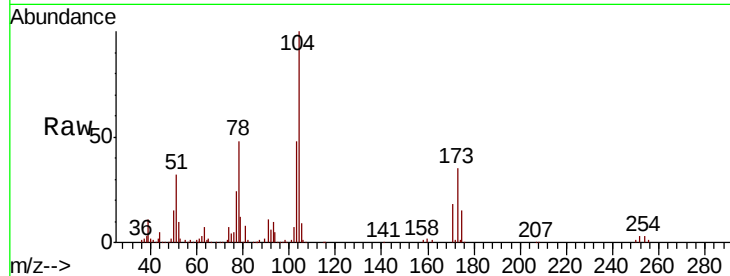
#71
Bromoform
Concen: 22.080 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.9	24.3	72.9
254	0.0	6.7	10.1

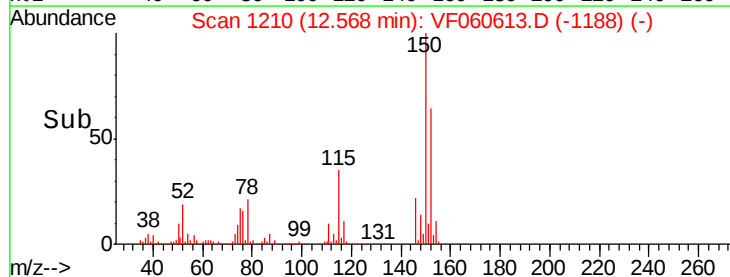
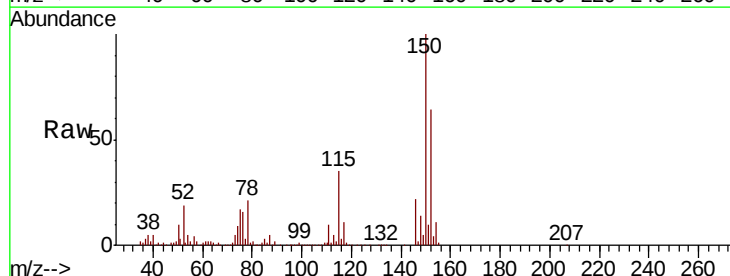
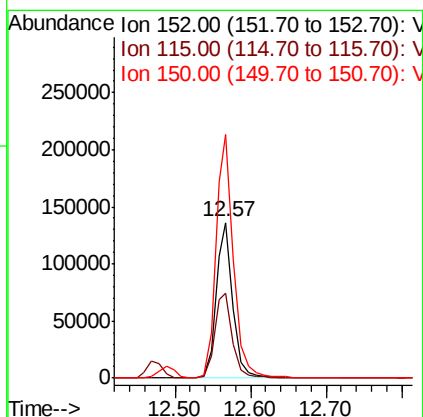
Manual Integrations
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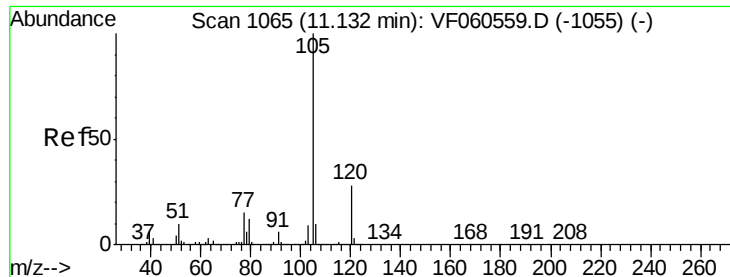
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	29.6	88.8
150	156.1	0.0	315.6





#73

Isopropylbenzene

Concen: 21.978 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion:105 Resp: 360157

Ion Ratio Lower Upper

105 100

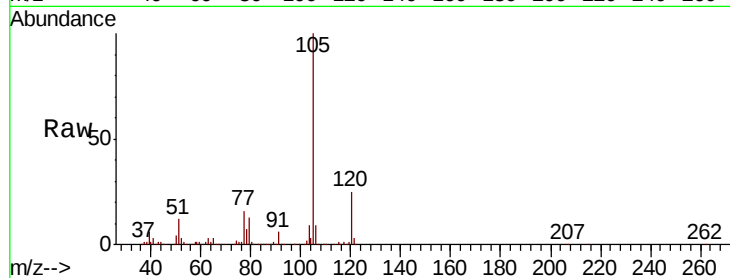
120 25.3 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

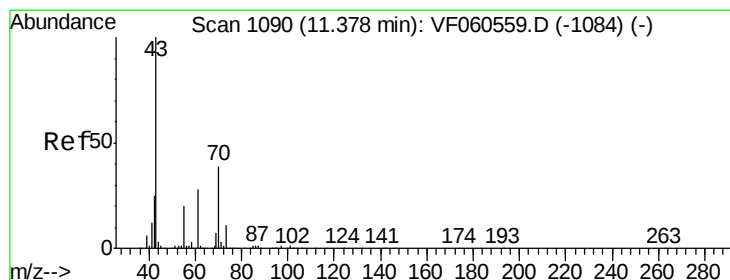
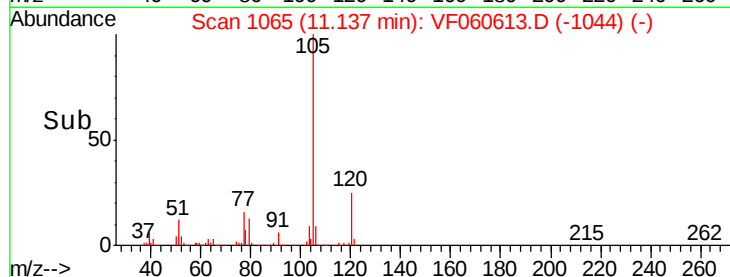
0

11.14

11.10

11.20

Time-->



#74

N-ethyl acetate

Concen: 24.173 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion: 43 Resp: 108018

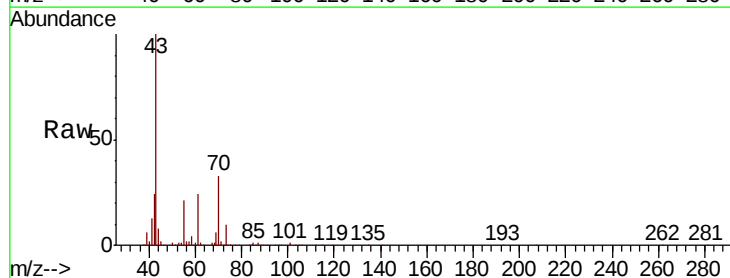
Ion Ratio Lower Upper

43 100

70 33.2 30.9 46.3

55 21.0 16.6 24.8

61 24.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

100000

80000

60000

40000

20000

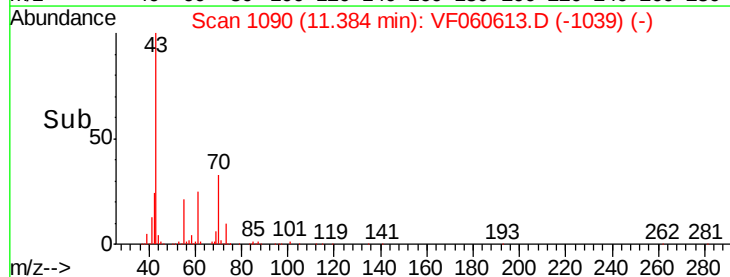
0

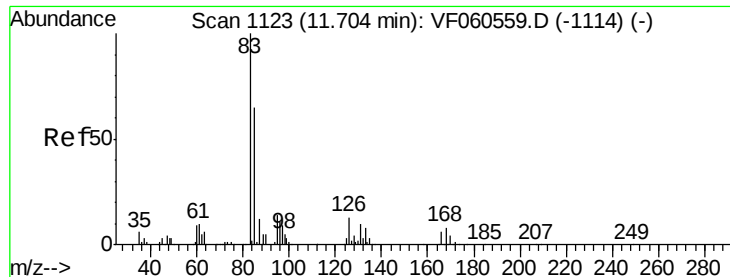
11.38

11.30

11.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.986 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

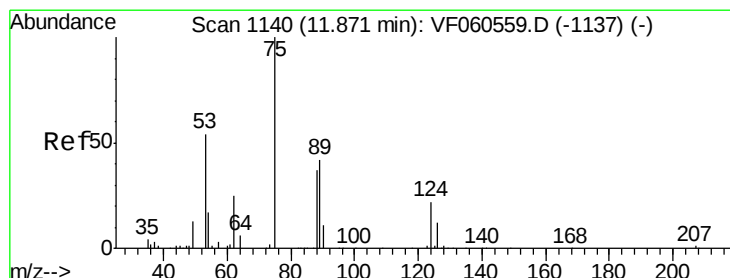
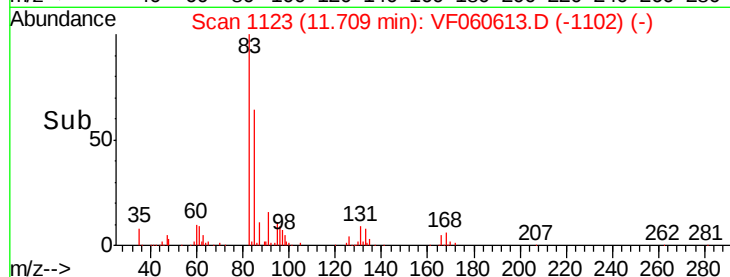
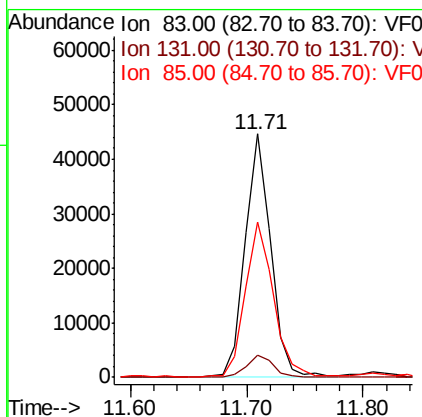
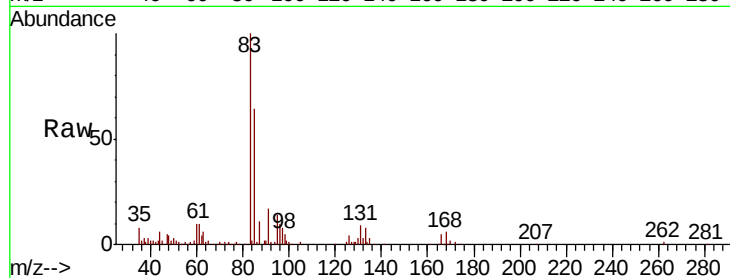
ClientSampleId :

VF1106SBSD01

Tot Ion:	83	Resp:	68754
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.0	14.9
85	64.0	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.072 ug/l

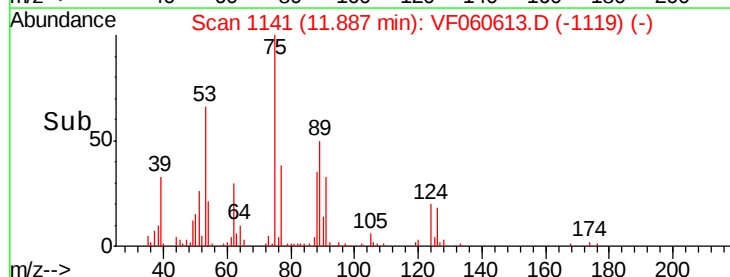
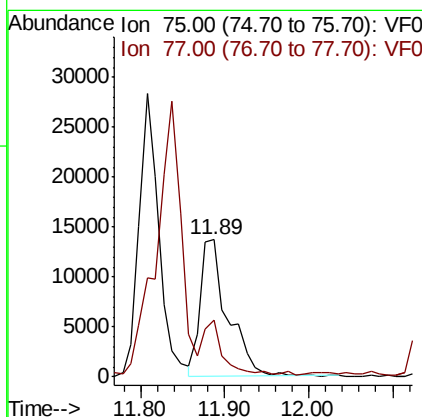
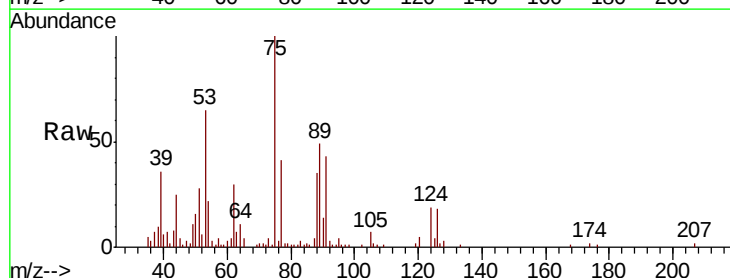
RT: 11.89 min Scan# 1141

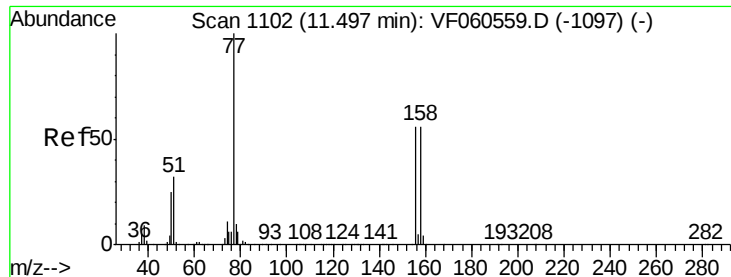
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	75	Resp:	30975
Ion Ratio	Lower	Upper	
75	100		
77	41.2	17.4	52.3





#77

Bromobenzene

Concen: 20.360 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBS01

Tot Ion:156 Resp: 73006

Ion Ratio Lower Upper

156 100

77 171.2 89.3 268.1

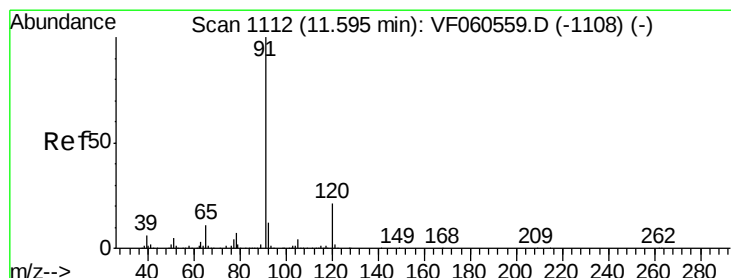
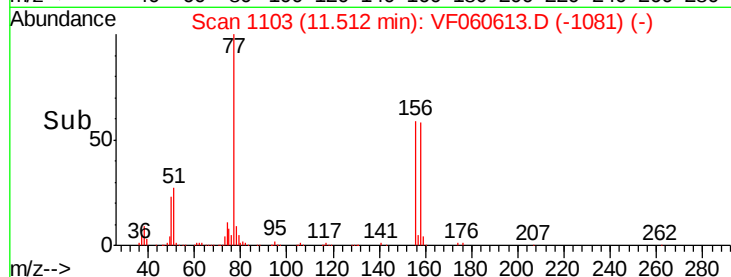
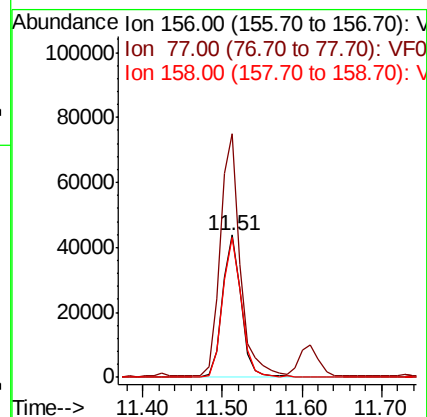
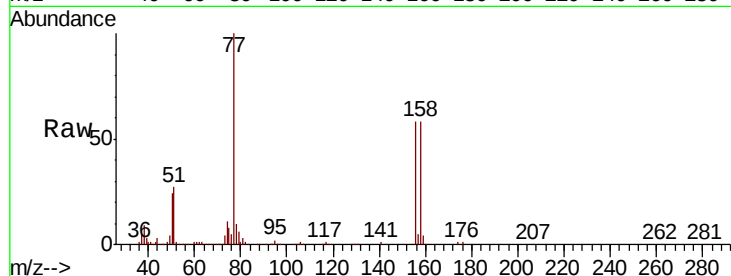
158 98.4 50.0 150.1

Manual Integrations

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#78

n-propylbenzene

Concen: 22.312 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF060613.D

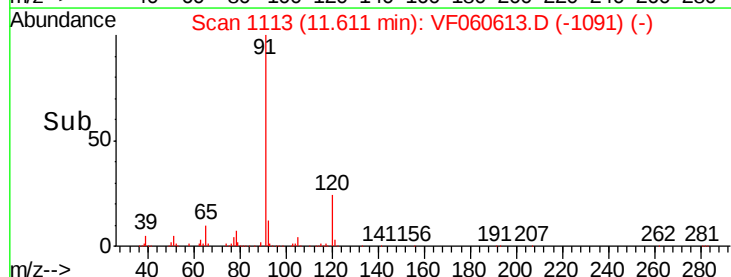
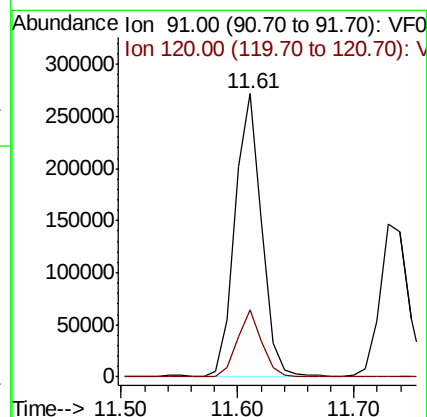
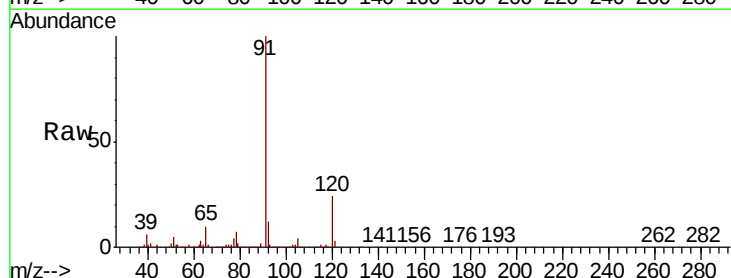
Acq: 6 Nov 2018 15:02

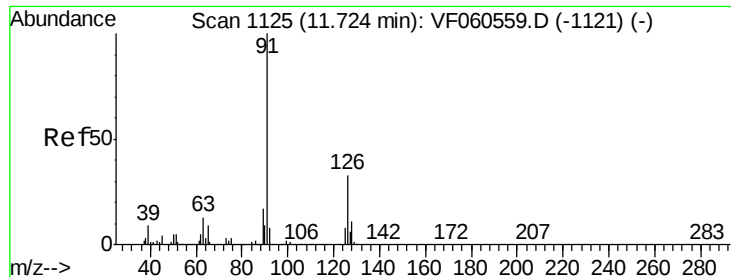
Tgt Ion: 91 Resp: 427787

Ion Ratio Lower Upper

91 100

120 23.7 10.5 31.6





#79

2-Chlorotoluene

Concen: 22.308 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VF1106SBSD01

Tot Ion: 91 Resp: 244262

Ion Ratio Lower Upper

91 100

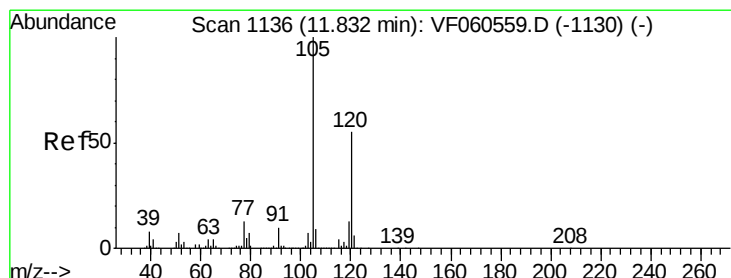
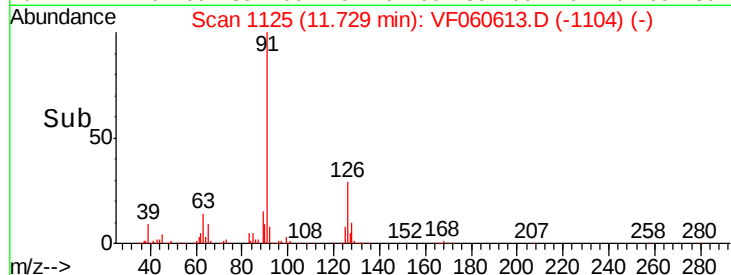
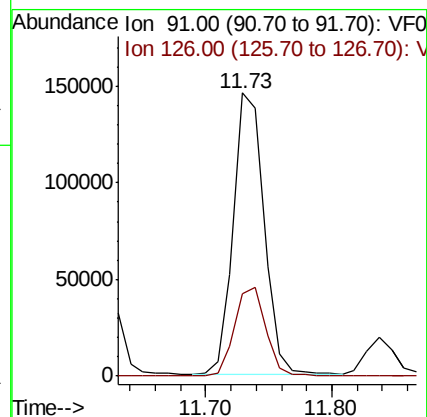
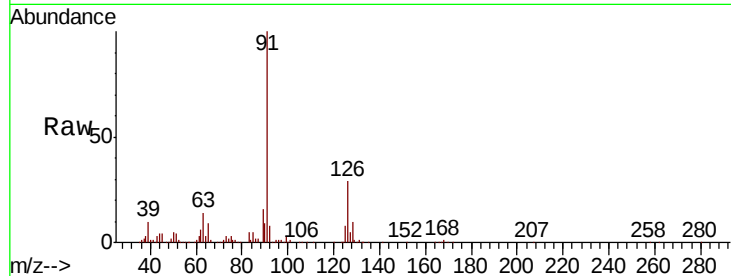
126 29.2 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.183 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF060613.D

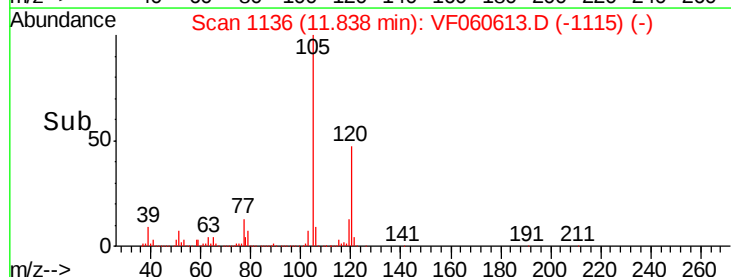
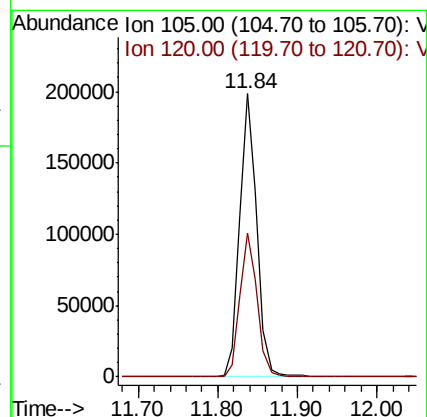
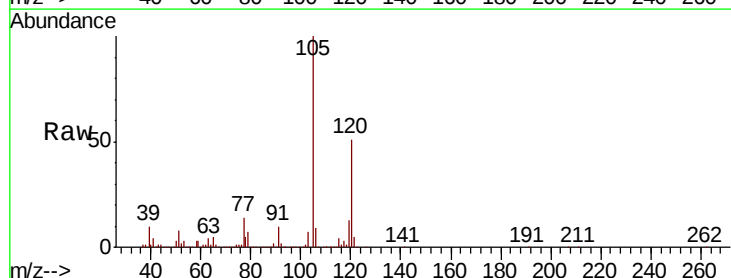
Acq: 6 Nov 2018 15:02

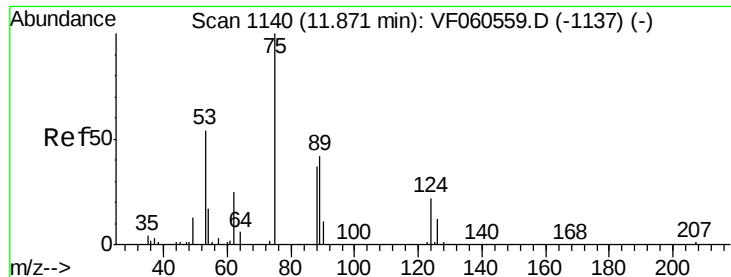
Tgt Ion: 105 Resp: 299627

Ion Ratio Lower Upper

105 100

120 51.0 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 22.218 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Instrument :

MSVOA_F

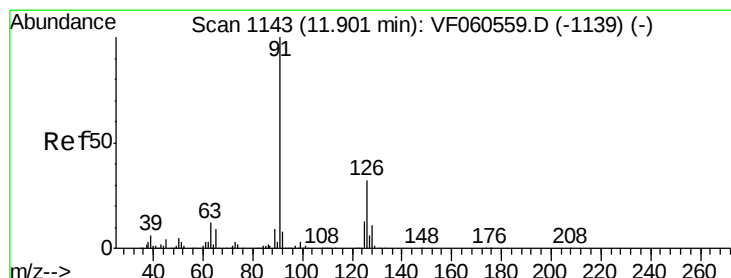
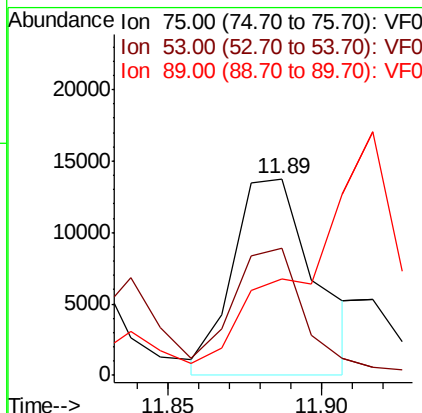
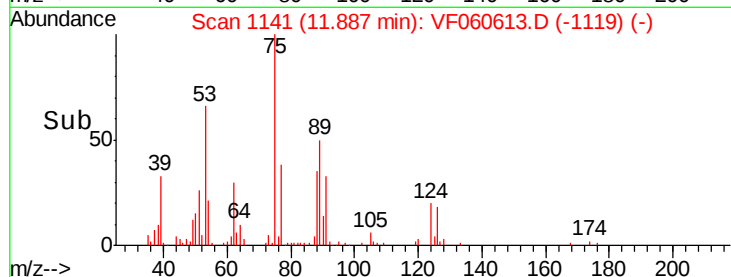
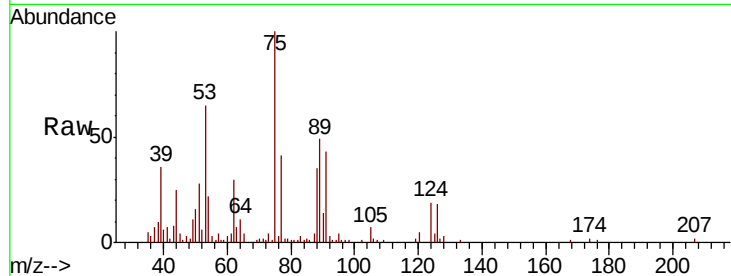
ClientSampleId :

VF1106SBSD01

Tot Ion:	75	Resp:	25667
Ion	Ratio	Lower	Upper
75	100		
53	65.0	51.6	77.4
89	49.1	36.7	55.1

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#82

4-Chlorotoluene

Concen: 21.259 ug/l

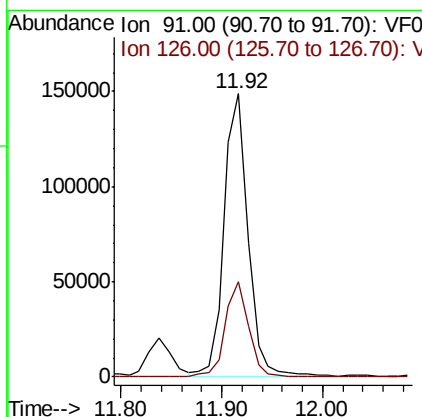
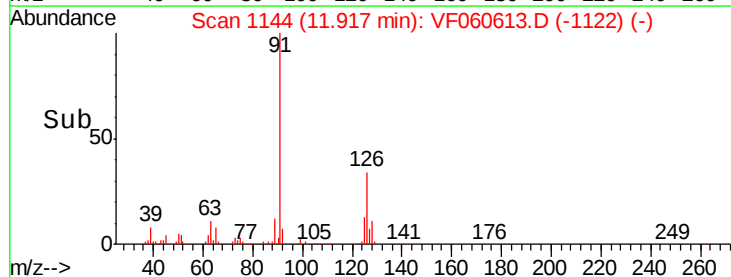
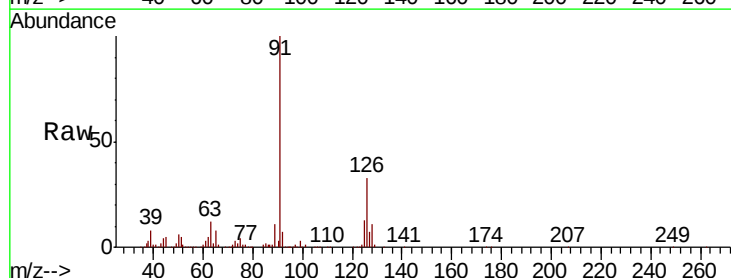
RT: 11.92 min Scan# 1144

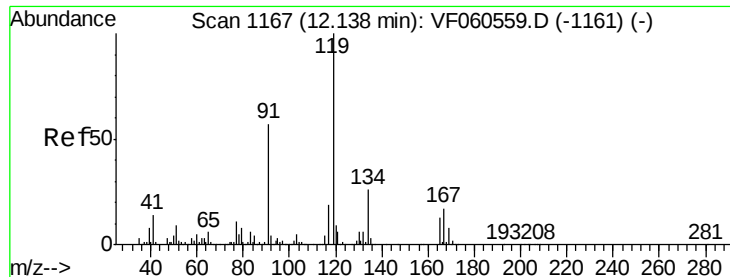
Delta R.T. 0.02 min

Lab File: VF060613.D

Acq: 6 Nov 2018 15:02

Tgt Ion:	91	Resp:	242861
Ion	Ratio	Lower	Upper
91	100		
126	33.5	15.9	47.7





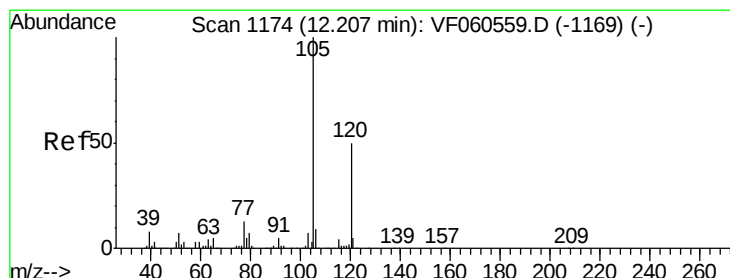
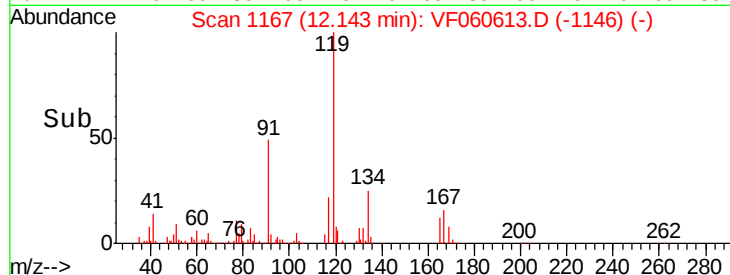
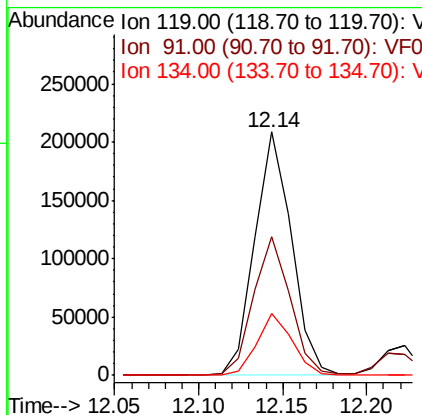
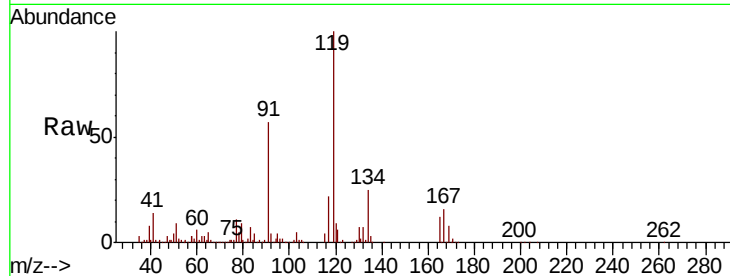
#83
 tert-Butylbenzene
 Concen: 23.022 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	28.8	86.4
134	25.3	13.2	39.6

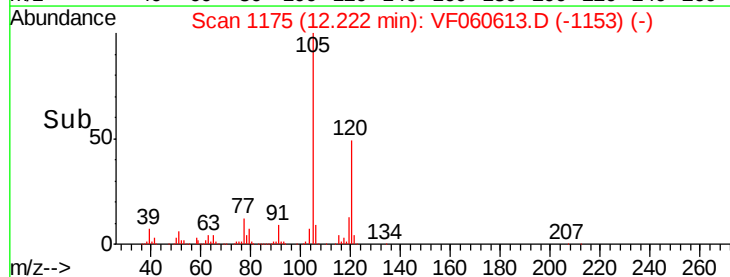
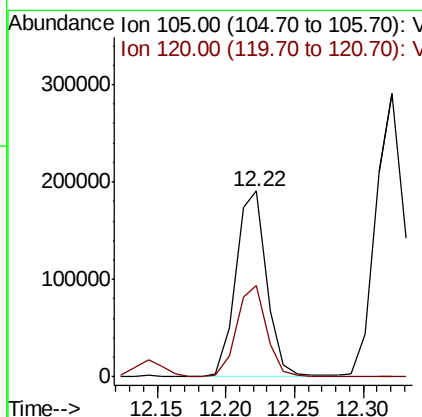
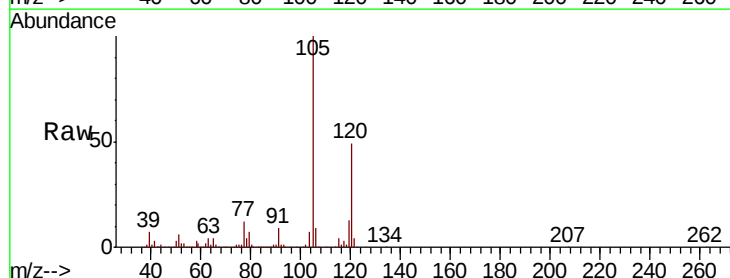
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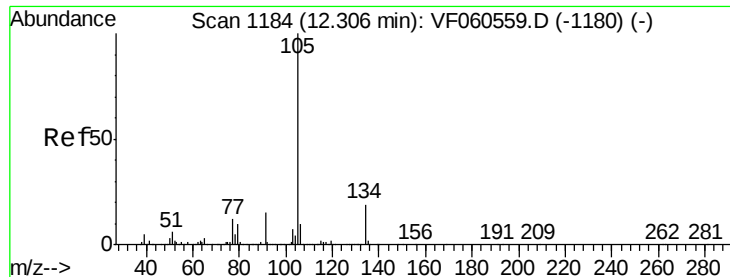
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.659 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.02 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	25.6	76.8





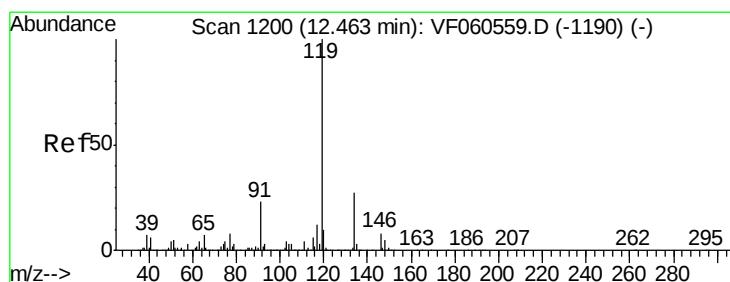
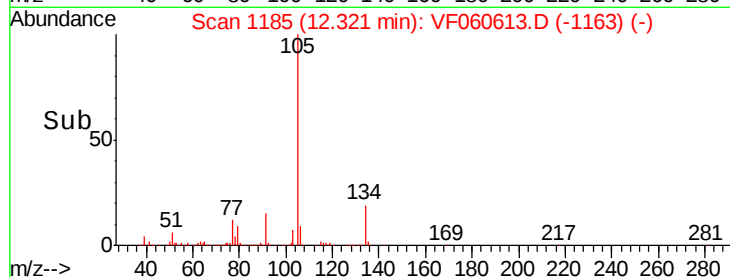
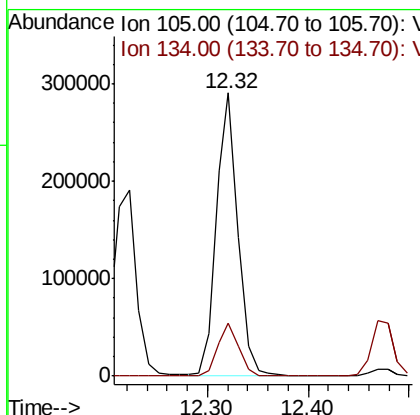
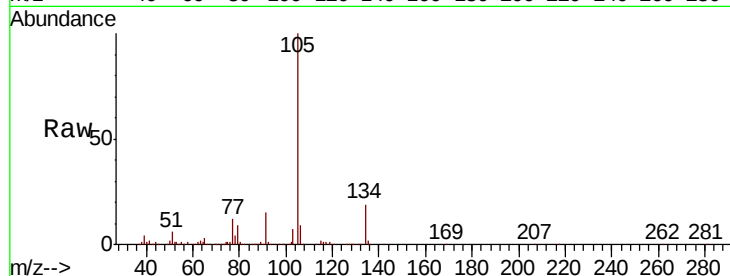
#85
 sec-Butylbenzene
 Concen: 22.768 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.02 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

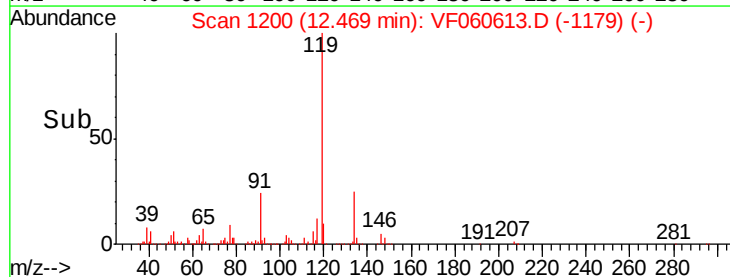
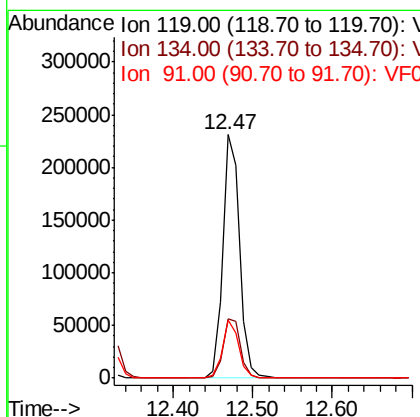
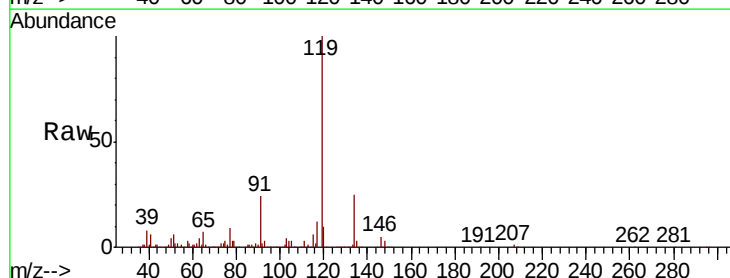
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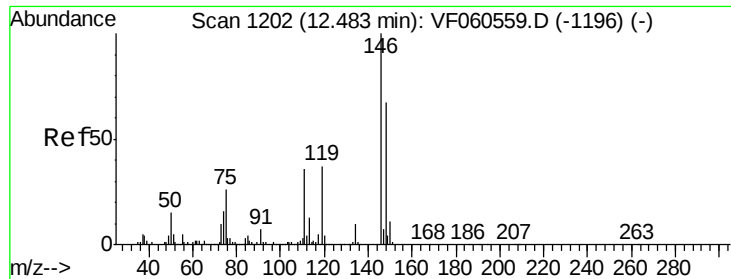
apatel
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#86
 p-Isopropyltoluene
 Concen: 22.090 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.5	13.6	40.7
91	23.9	11.4	34.2





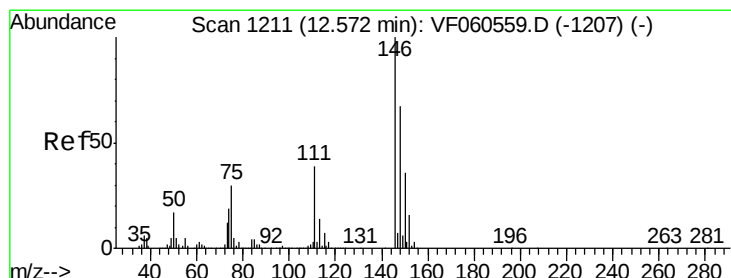
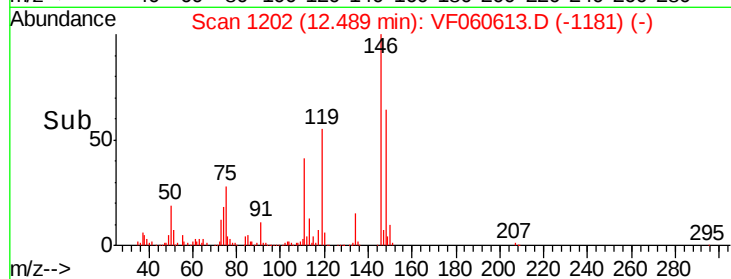
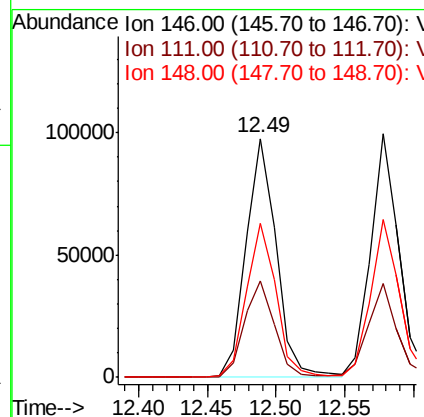
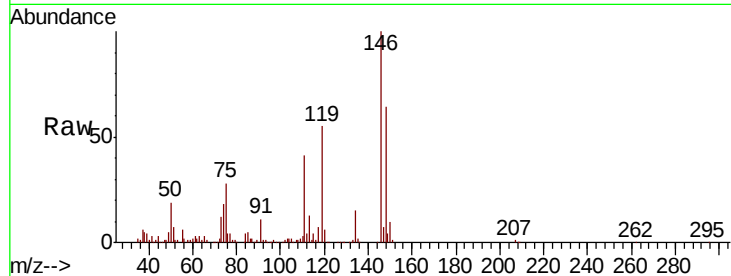
#87
 1,3-Dichlorobenzene
 Concen: 21.386 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.3	54.8
148	64.3	33.5	100.4

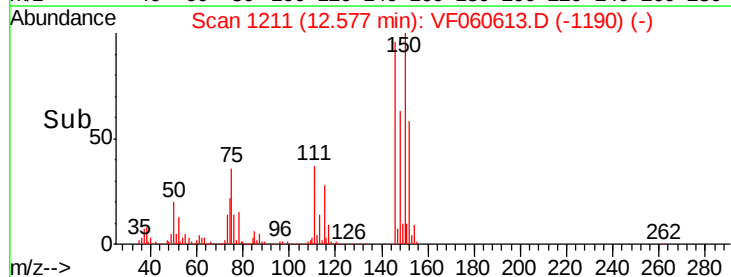
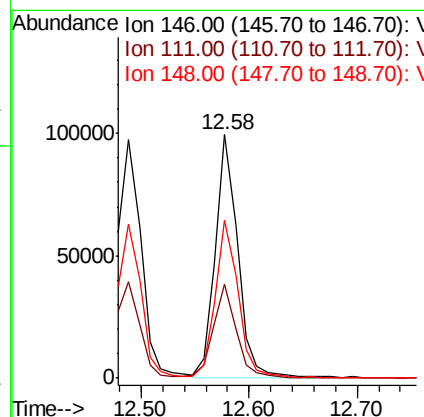
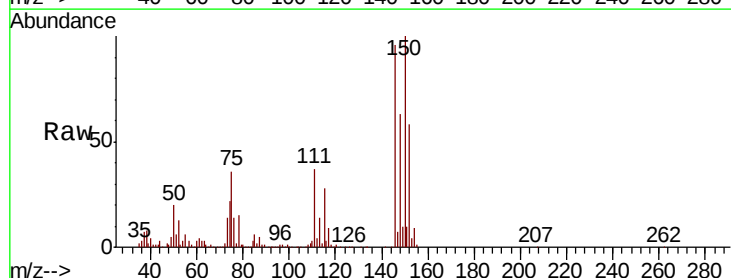
Manual Integrations
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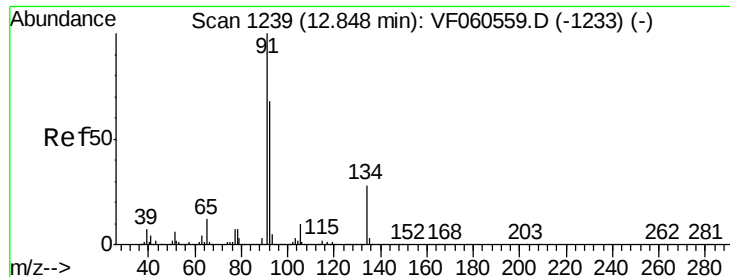
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#88
 1,4-Dichlorobenzene
 Concen: 21.469 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	65.0	33.7	101.1





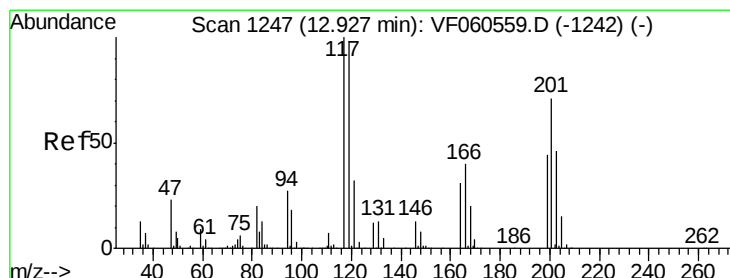
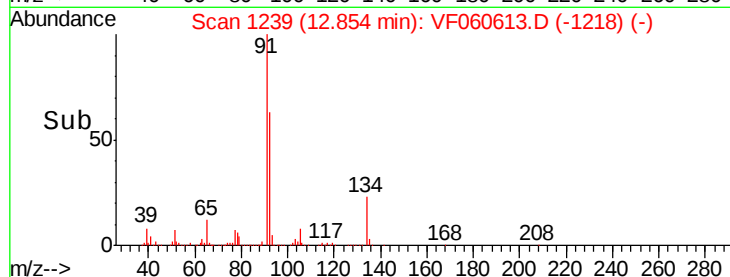
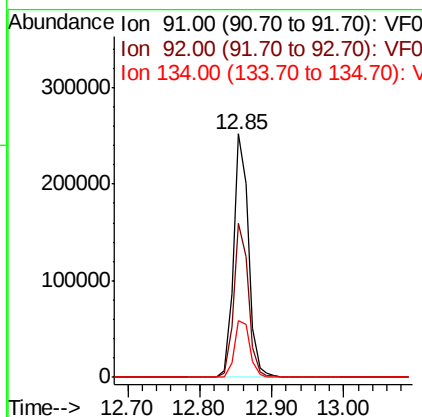
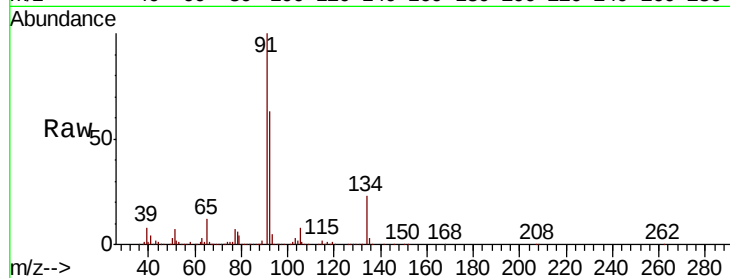
#89
n-Butylbenzene
Concen: 21.426 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.2	34.1	102.2
134	23.4	13.9	41.6

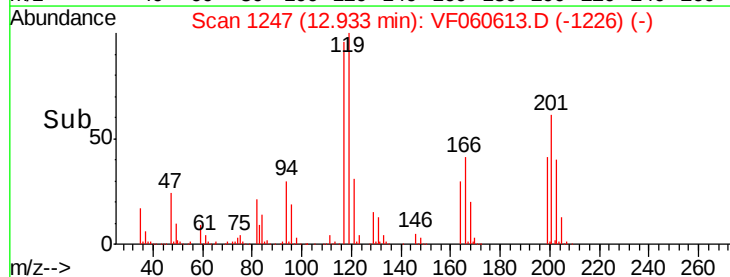
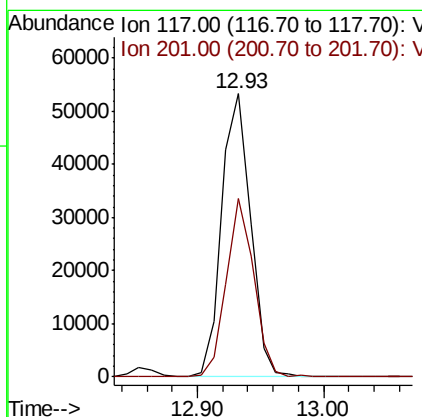
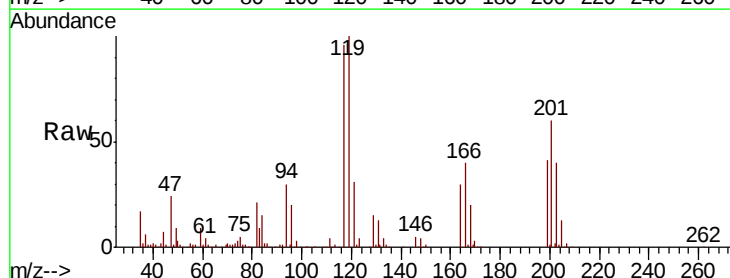
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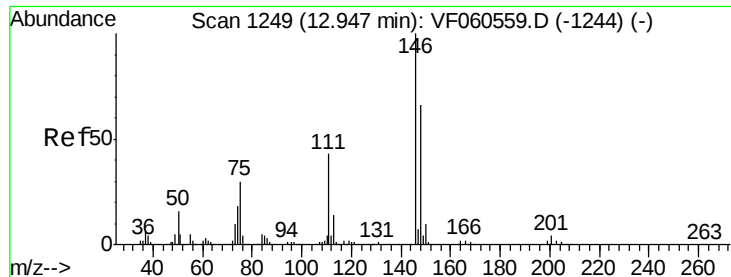
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#90
Hexachloroethane
Concen: 21.342 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.2	35.2	105.6





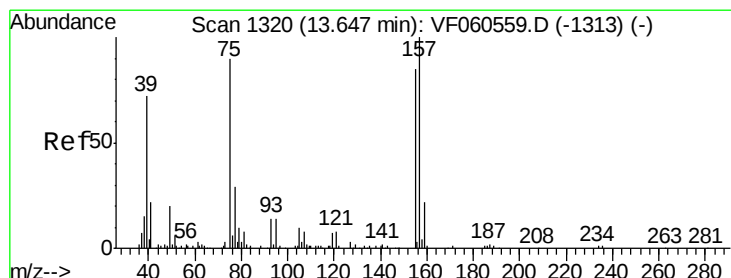
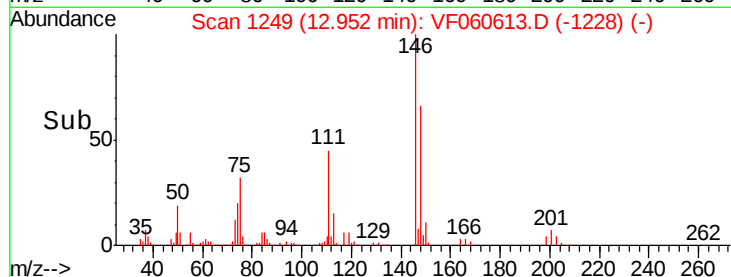
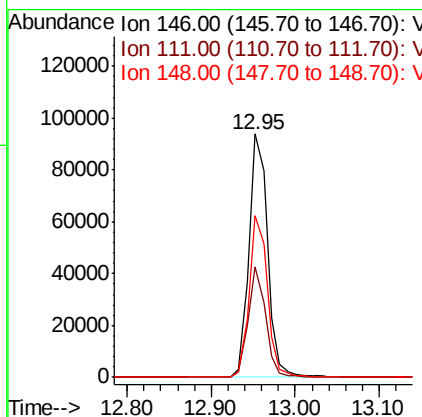
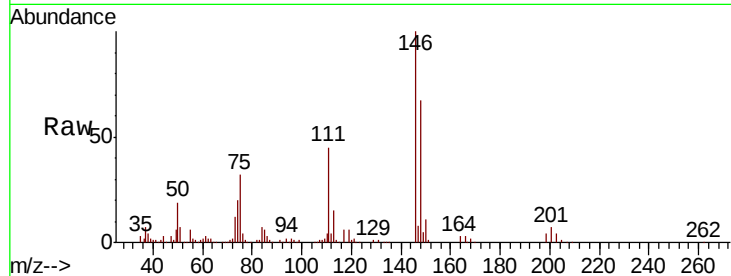
#91
 1,2-Dichlorobenzene
 Concen: 22.071 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.3	64.0
148	66.5	32.9	98.7

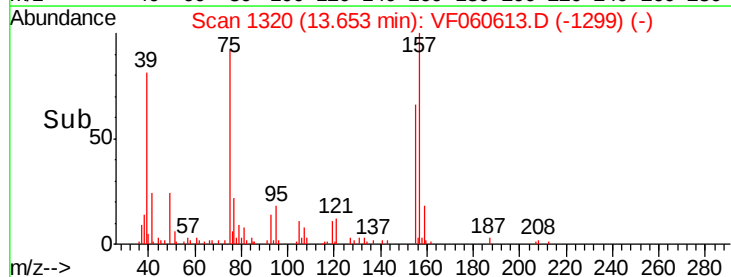
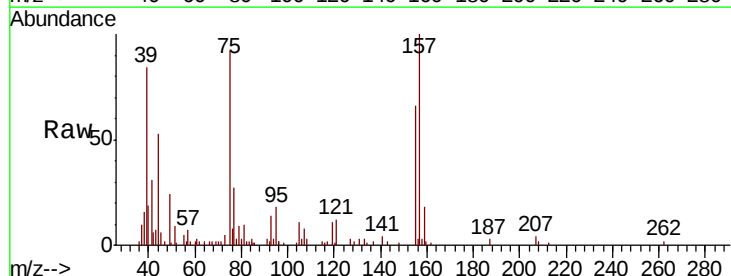
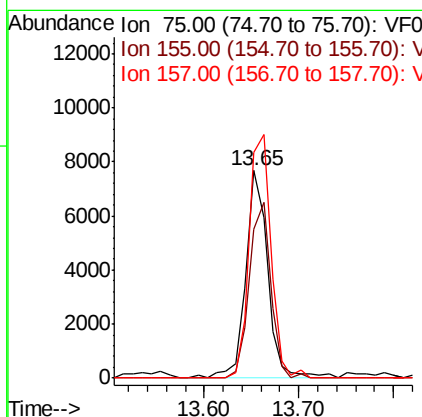
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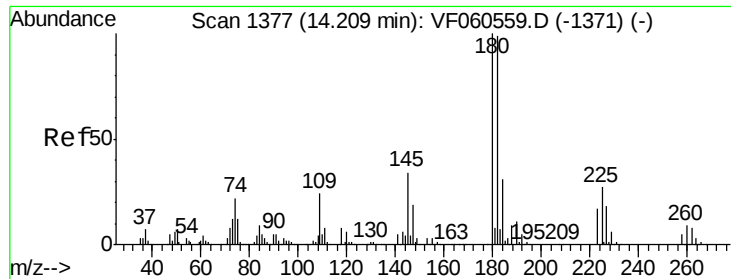
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.933 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	47.3	141.8
157	109.0	55.3	165.9





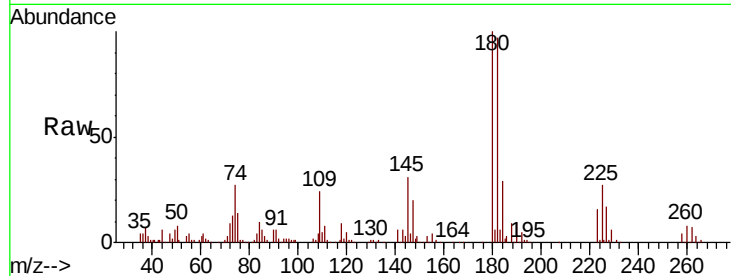
#93
 1,2,4-Trichlorobenzene
 Concen: 22.940 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102615		
182	96.8	49.7	149.1	
145	30.7	16.9	50.7	

Manual Integrations
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 11/7/2018 11:21:35 AM

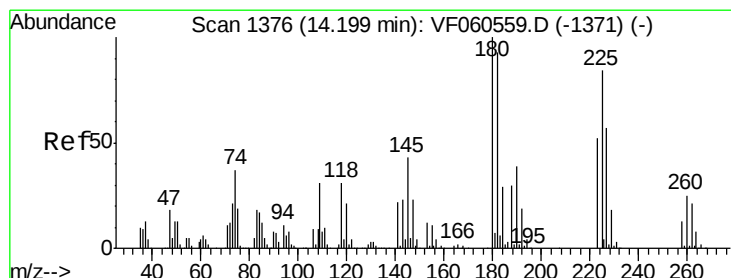
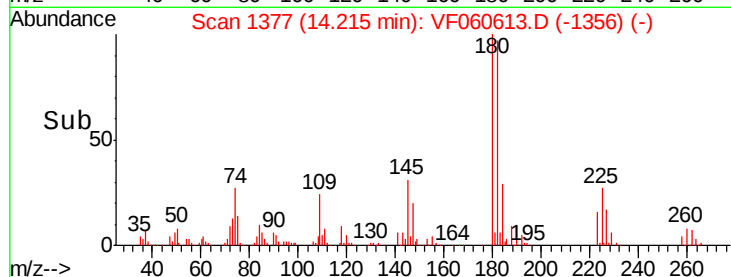
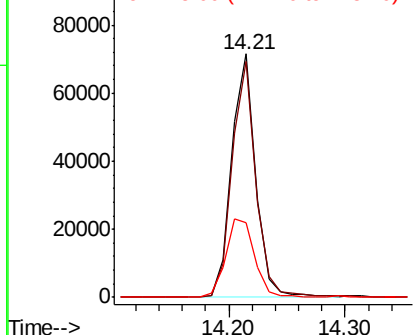


Abundance

Ion 180.00 (179.70 to 180.70): V

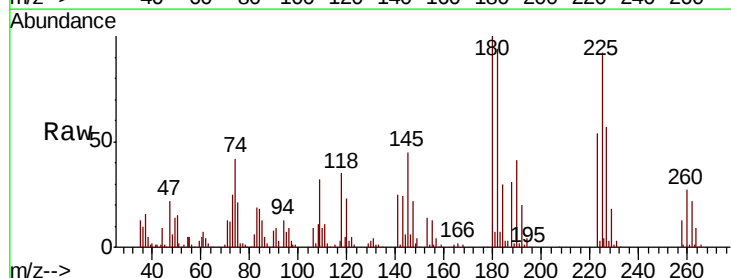
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.266 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF060613.D
 Acq: 6 Nov 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64538		
223	58.2	30.9	92.5	
227	61.6	33.9	101.6	

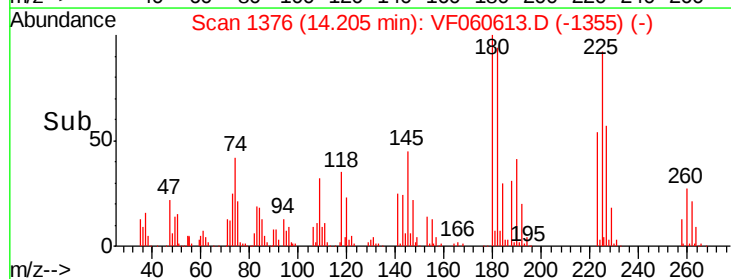
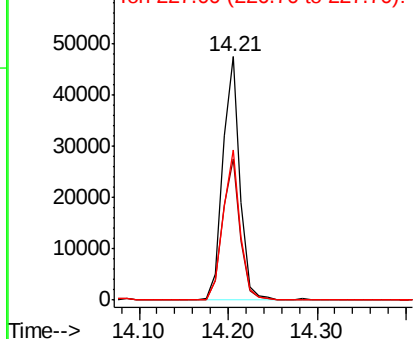


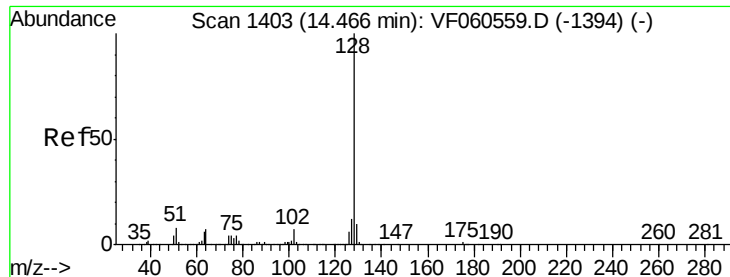
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





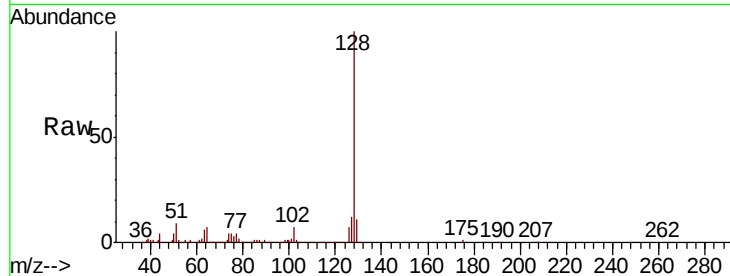
#95
Naphthalene
Concen: 23.075 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VF1106SBSD01

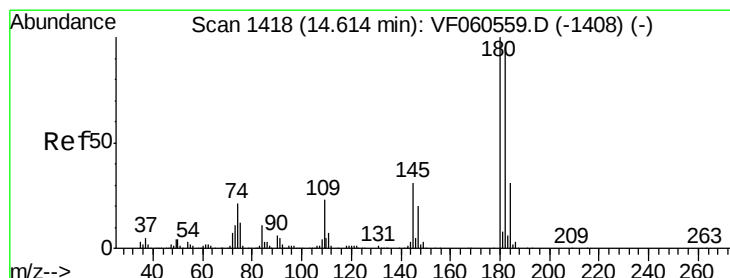
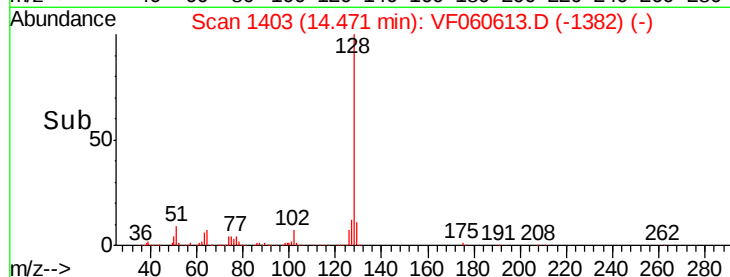
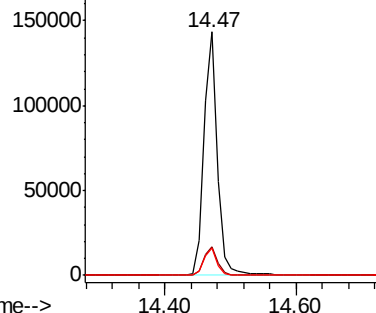
Tot Ion:	128	Resp:	206595
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.4	14.0
129	11.4	8.4	12.6

Manual Integrations
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11/7/2018 11:21:35 AM

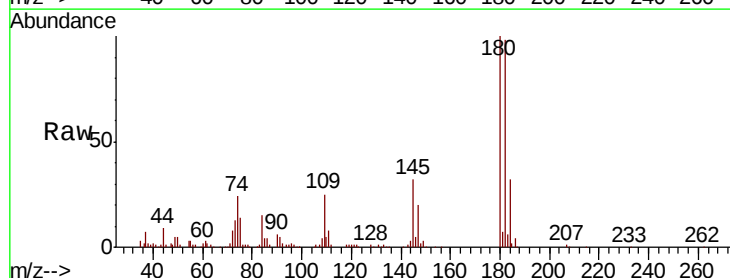


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.254 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF060613.D
Acq: 6 Nov 2018 15:02

Tgt Ion:	180	Resp:	94035
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.3	142.0
145	31.8	15.6	46.8



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

