

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
 Data File : VF060627.D
 Acq On : 7 Nov 2018 13:52
 Operator : VA/AP
 Sample : VF1107SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Manual Integrations
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apatel
 11/8/2018 10:28:35 AM

Quant Time: Nov 07 15:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	287495	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	501632	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	439070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	240775	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	165500	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
35) Dibromofluoromethane	4.12	113	194967	50.31	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	7.56	98	558850	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.42	95	255586	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	82303	25.430	ug/l	99
3) Chloromethane	1.10	50	56059	22.280	ug/l	96
4) Vinyl Chloride	1.14	62	54071	23.321	ug/l	94
5) Bromomethane	1.32	94	25455	19.559	ug/l	100
6) Chloroethane	1.37	64	16828	17.290	ug/l	97
7) Trichlorofluoromethane	1.49	101	99225m	22.865	ug/l	
8) Diethyl Ether	1.63	74	13064	16.243	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.81	101	51698	20.848	ug/l	94
10) Methyl Iodide	1.89	142	86487	21.194	ug/l	99
11) Tert butyl alcohol	2.57	59	13202	82.237	ug/l #	80
12) 1,1-Dichloroethene	1.78	96	42013	20.116	ug/l	93
13) Acrolein	2.00	56	14372	135.401	ug/l	93
14) Allyl chloride	2.10	41	73536	21.563	ug/l	98
15) Acrylonitrile	2.95	53	32829	94.830	ug/l	91
16) Acetone	2.25	43	73023	106.685	ug/l	98
17) Carbon Disulfide	1.82	76	128265	21.802	ug/l	97
18) Methyl Acetate	2.35	43	20275m	19.366	ug/l	
19) Methyl tert-butyl Ether	2.43	73	103174	21.132	ug/l	100
20) Methylene Chloride	2.19	84	44297	18.370	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	46473	21.209	ug/l	99
22) Diisopropyl ether	2.81	45	154458	21.377	ug/l	97
23) Vinyl Acetate	3.19	43	413354	95.215	ug/l	96
24) 1,1-Dichloroethane	2.88	63	84802	20.280	ug/l	97
25) 2-Butanone	4.34	43	148879	95.881	ug/l	97
26) 2,2-Dichloropropane	3.61	77	74975	23.962	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	85661	20.479	ug/l	92
28) Bromochloromethane	3.72	49	55227	21.045	ug/l	96
29) Tetrahydrofuran	4.08	42	52505	96.899	ug/l	97
30) Chloroform	3.86	83	141867	21.444	ug/l	99
31) Cyclohexane	3.70	56	124962	21.655	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	112316	24.308	ug/l	89
36) 1,1-Dichloropropene	4.29	75	116528	21.098	ug/l	98
37) Ethyl Acetate	4.12	43	48781	18.398	ug/l #	83
38) Carbon Tetrachloride	4.00	117	93658m	19.844	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	144548	21.445	ug/l	98
40) Benzene	4.64	78	278593	20.780	ug/l	99
41) Methacrylonitrile	4.75	41	28185	18.771	ug/l	98
42) 1,2-Dichloroethane	4.95	62	82104	21.337	ug/l	97
43) Isopropyl Acetate	6.97	43	60161	17.938	ug/l #	95
44) Trichloroethene	5.51	130	82879	20.569	ug/l	100
45) 1,2-Dichloropropane	6.24	63	73571	21.456	ug/l	99
46) Dibromomethane	6.10	93	42273	19.433	ug/l	88
47) Bromodichloromethane	6.40	83	106328	20.265	ug/l	97
48) Methyl methacrylate	6.72	41	37012	17.559	ug/l	91
49) 1,4-Dioxane	6.72	88	7632	346.126	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	215848	95.707	ug/l	100
52) Toluene	7.63	92	160156	18.338	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	89144	19.548	ug/l	93
54) cis-1,3-Dichloropropene	7.32	75	119563	20.751	ug/l	100
55) 1,1,2-Trichloroethane	8.50	97	50009	19.678	ug/l	98
56) Ethyl methacrylate	8.63	69	60501	18.503	ug/l	95
57) 1,3-Dichloropropane	8.86	76	90825	20.368	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.63	63	21758	90.737	ug/l	100
59) 2-Hexanone	9.51	43	166847	95.949	ug/l	99
60) Dibromochloromethane	8.73	129	67745	19.060	ug/l	100
61) 1,2-Dibromoethane	8.99	107	54530	20.404	ug/l	90
64) Tetrachloroethene	8.16	164	71428	20.758	ug/l	95
65) Chlorobenzene	9.81	112	185448	20.654	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	78820	20.775	ug/l	96
67) Ethyl Benzene	9.91	91	335806	20.609	ug/l	99
68) m/p-Xylenes	10.14	106	246231	40.117	ug/l	92
69) o-Xylene	10.72	106	144997	21.635	ug/l	91
70) Styrene	10.80	104	194419	20.023	ug/l	98
71) Bromoform	10.78	173	36568	18.662	ug/l	99
73) Isopropylbenzene	11.13	105	400467	21.327	ug/l	96
74) N-amyl acetate	11.38	43	98716	18.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	70233	20.491	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	32223	19.130	ug/l	99
77) Bromobenzene	11.51	156	83680	20.366	ug/l	86
78) n-propylbenzene	11.61	91	474680	21.606	ug/l	97
79) 2-Chlorotoluene	11.72	91	270689	21.574	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	318012	20.546	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	23154m	17.491	ug/l	
82) 4-Chlorotoluene	11.91	91	259009	19.786	ug/l	94
83) tert-Butylbenzene	12.14	119	340079	21.508	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	317518	20.948	ug/l	97
85) sec-Butylbenzene	12.32	105	463974	21.331	ug/l	100
86) p-Isopropyltoluene	12.46	119	373183	20.834	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	162219	20.115	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	157613	20.605	ug/l	98
89) n-Butylbenzene	12.85	91	389906	19.897	ug/l	95
90) Hexachloroethane	12.93	117	92748	20.361	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	155967	20.672	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11835	19.875	ug/l	95

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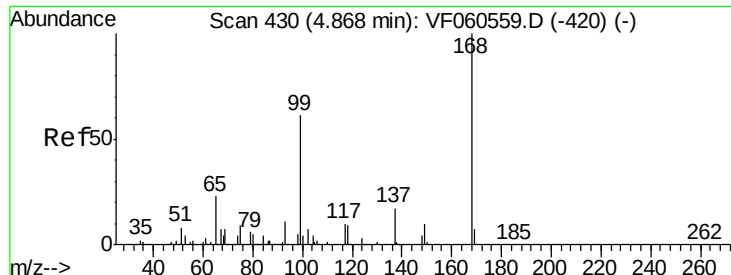
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	113502	22.144	ug/l	95
94) Hexachlorobutadiene	14.20	225	71801	21.618	ug/l	97
95) Naphthalene	14.47	128	190711	18.589	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	99971	20.647	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:168 Resp: 287495

Ion Ratio Lower Upper

168 100

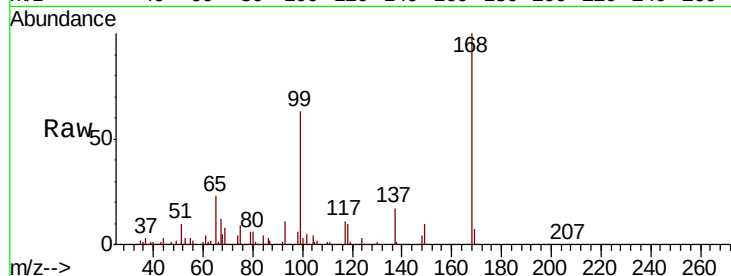
99 63.4 48.6 72.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

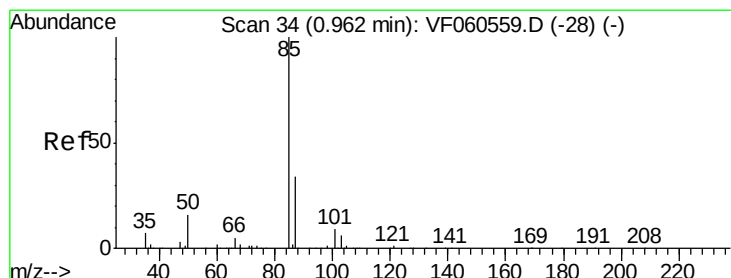
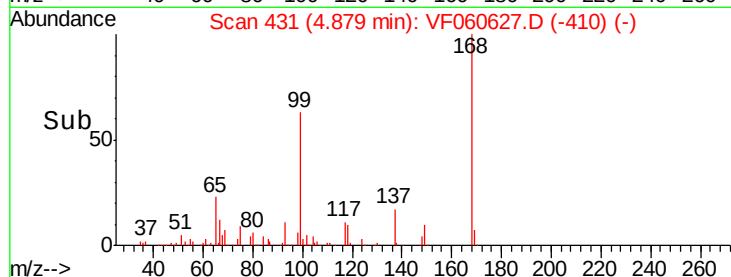
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 25.430 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060627.D

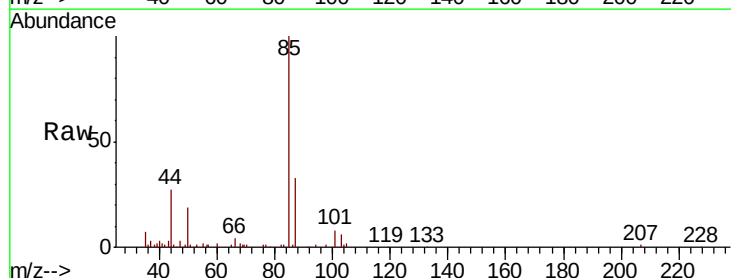
Acq: 7 Nov 2018 13:52

Tgt Ion: 85 Resp: 82303

Ion Ratio Lower Upper

85 100

87 33.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

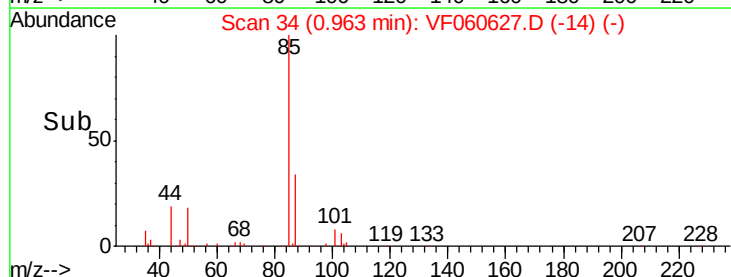
15000

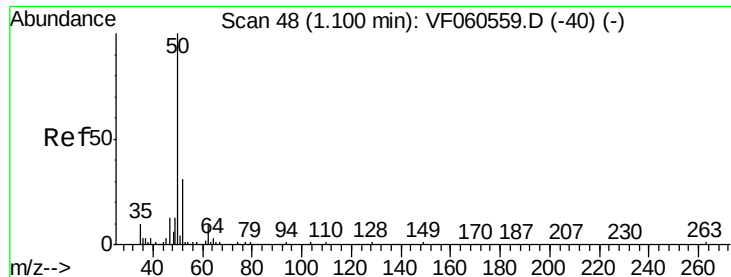
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.280 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 50 Resp: 56059

Ion Ratio Lower Upper

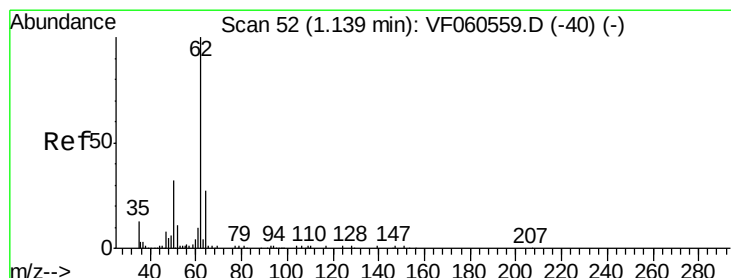
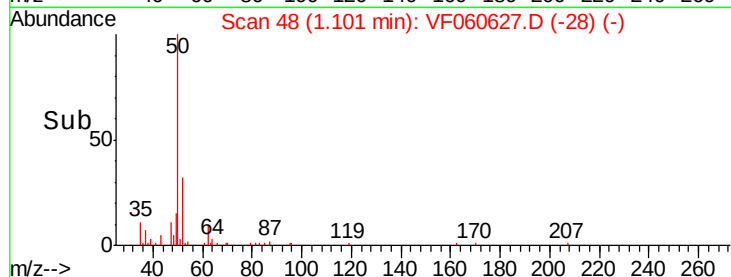
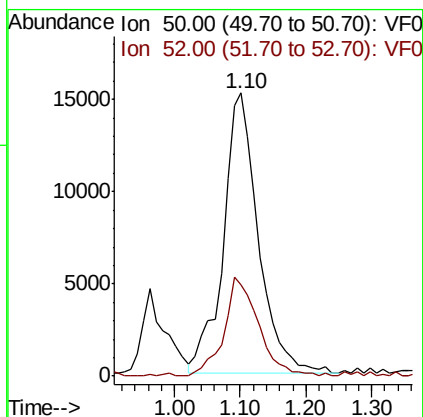
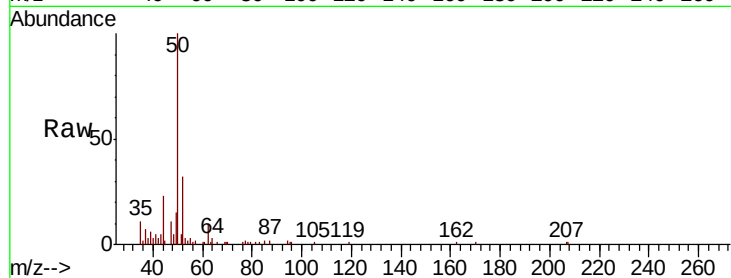
50 100

52 32.1 24.0 36.0

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#4

Vinyl Chloride

Concen: 23.321 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060627.D

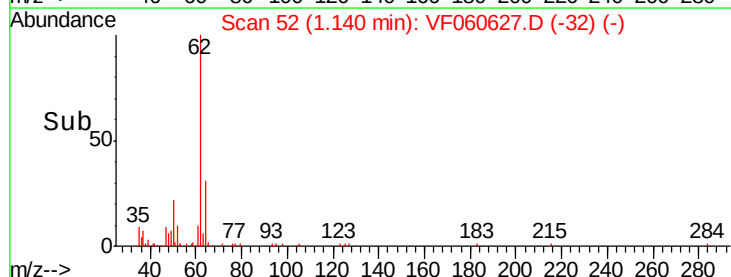
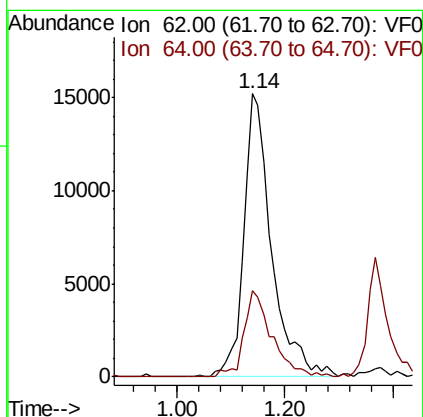
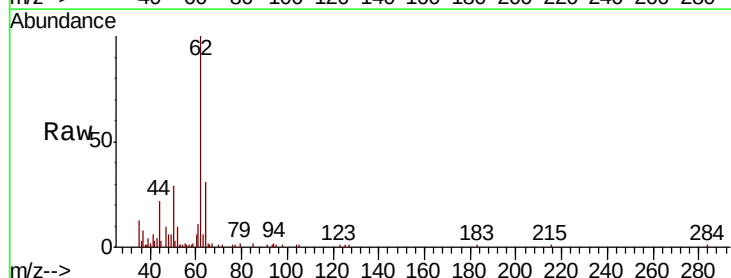
Acq: 7 Nov 2018 13:52

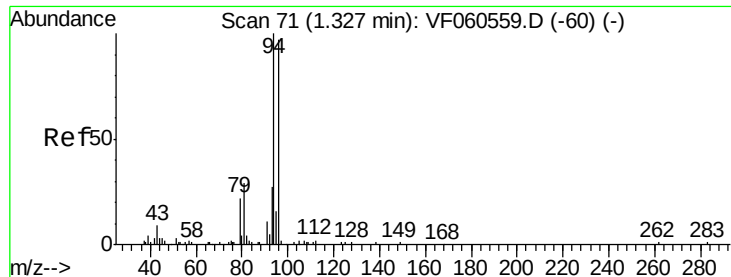
Tgt Ion: 62 Resp: 54071

Ion Ratio Lower Upper

62 100

64 30.5 21.8 32.6





#5

Bromomethane

Concen: 19.559 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 94 Resp: 25455

Ion Ratio Lower Upper

94 100

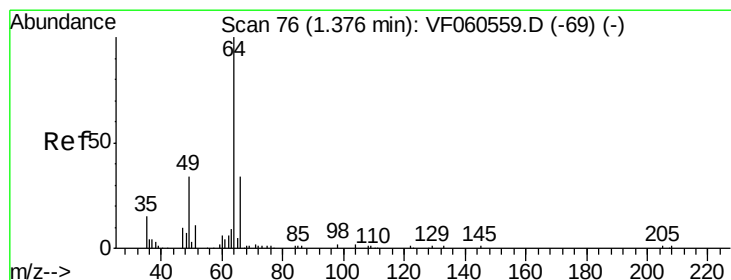
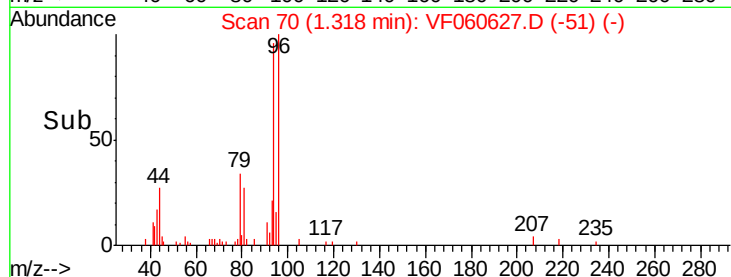
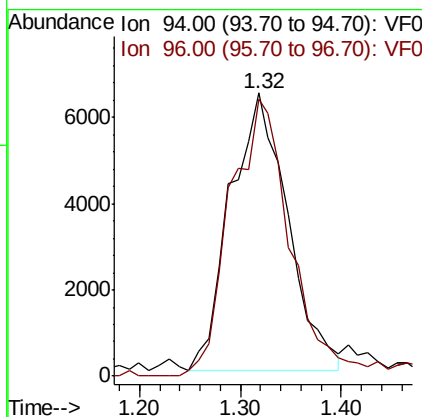
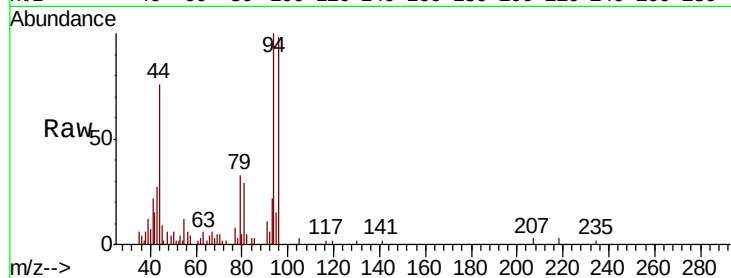
96 97.7 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 17.290 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060627.D

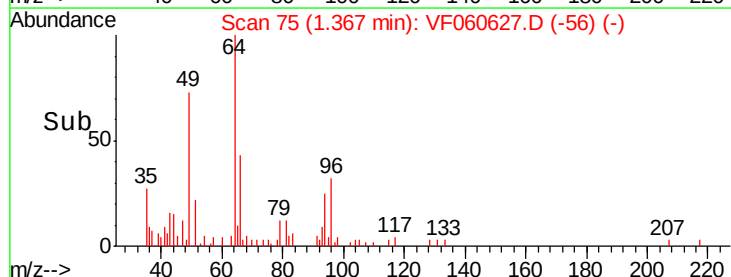
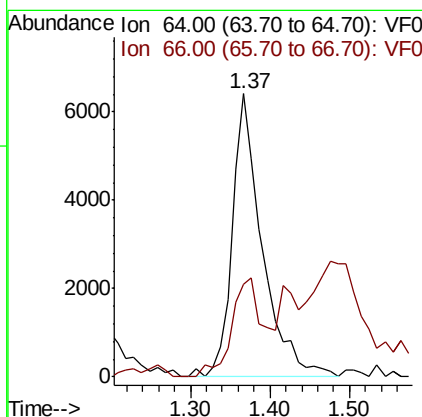
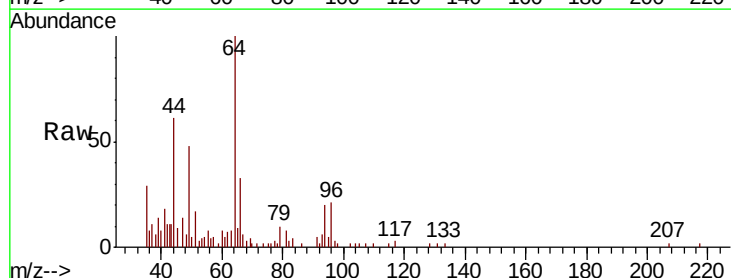
Acq: 7 Nov 2018 13:52

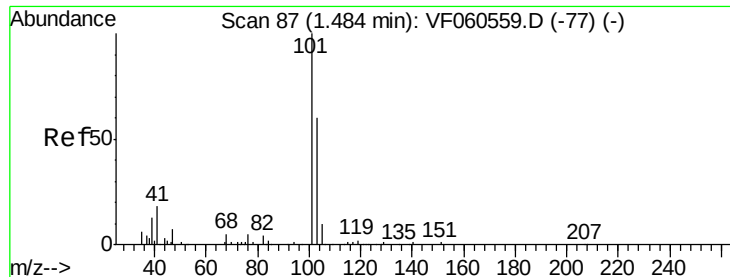
Tgt Ion: 64 Resp: 16828

Ion Ratio Lower Upper

64 100

66 32.9 27.8 41.8





#7

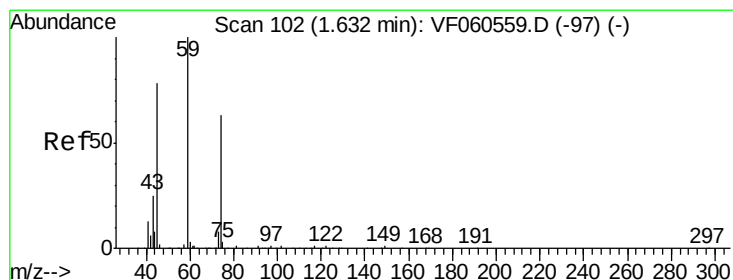
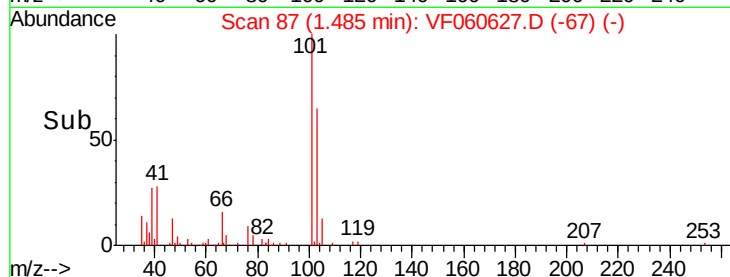
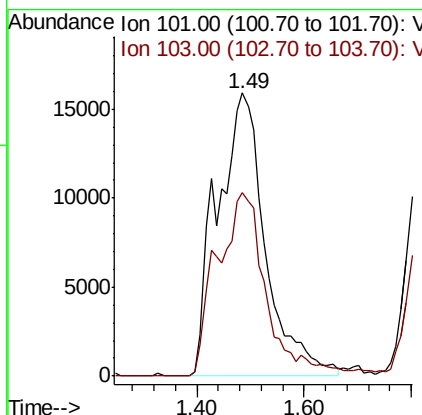
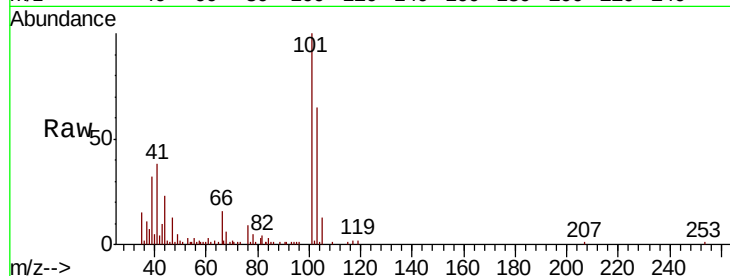
Trichlorofluoromethane
Concen: 22.865 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
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ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	48.0	72.0

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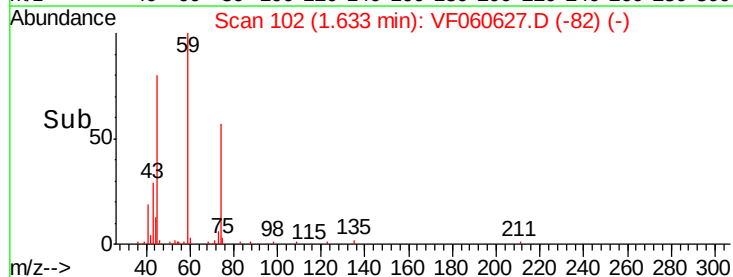
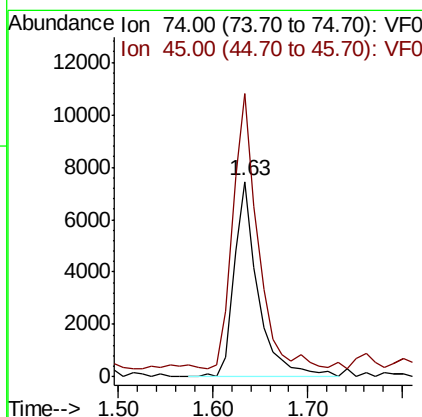
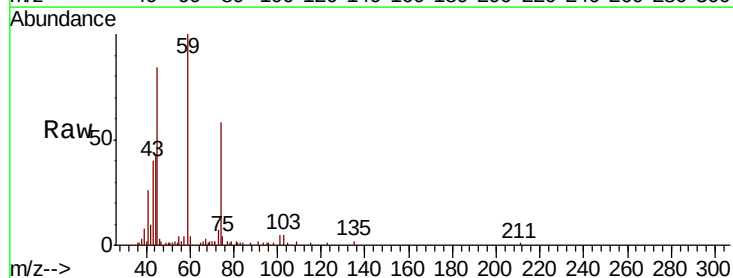
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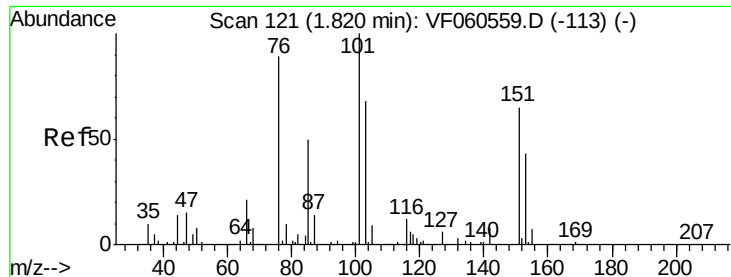


#8

Diethyl Ether
Concen: 16.243 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.7	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.848 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

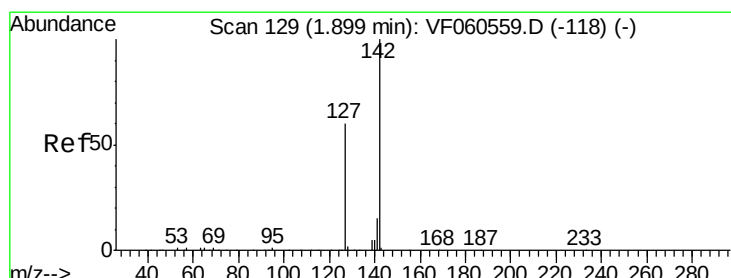
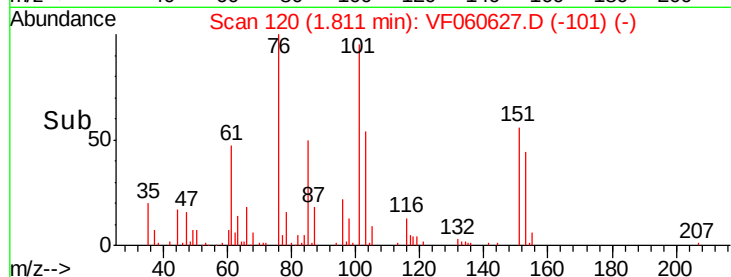
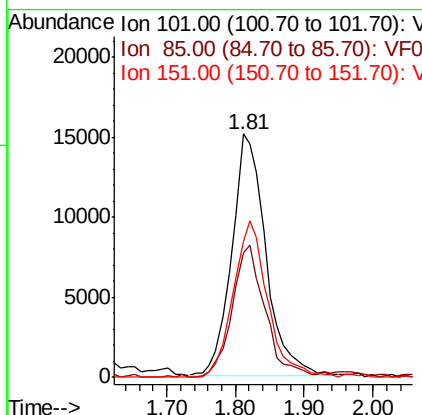
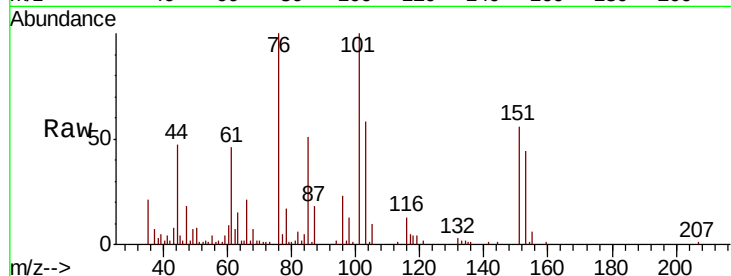
ClientSampleId :

VF1107SBS01

Tot Ion:	101	Resp:	51698
Ion Ratio	Lower	Upper	
101	100		
85	50.9	39.8	59.6
151	55.7	50.8	76.2

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#10

Methyl Iodide

Concen: 21.194 ug/l

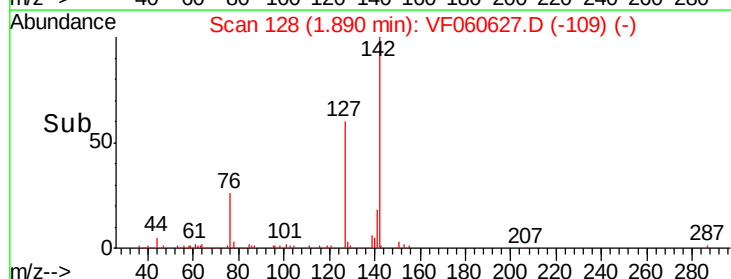
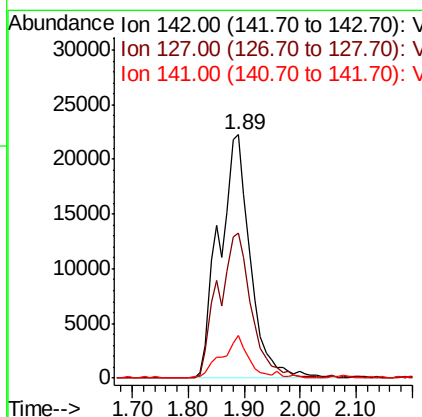
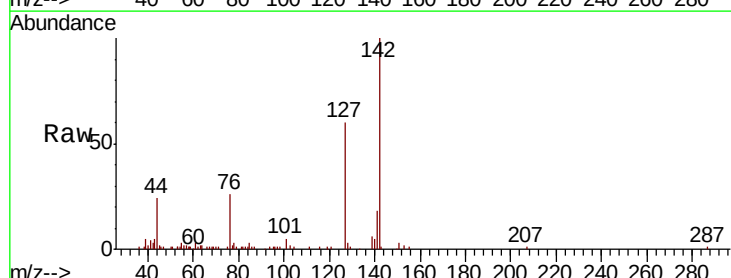
RT: 1.89 min Scan# 128

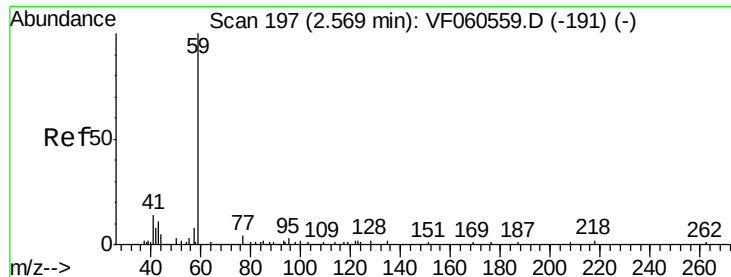
Delta R.T. -0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	142	Resp:	86487
Ion Ratio	Lower	Upper	
142	100		
127	59.8	47.8	71.6
141	17.8	12.7	19.1





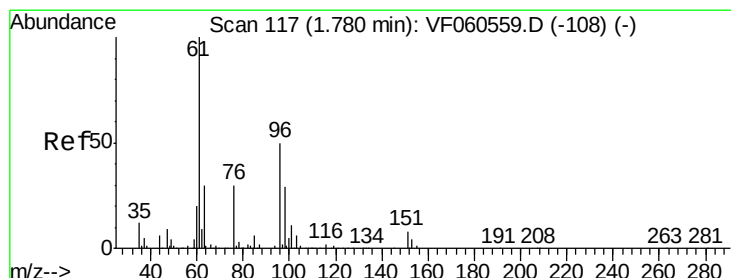
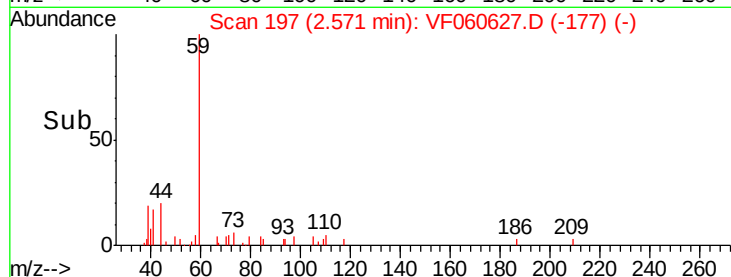
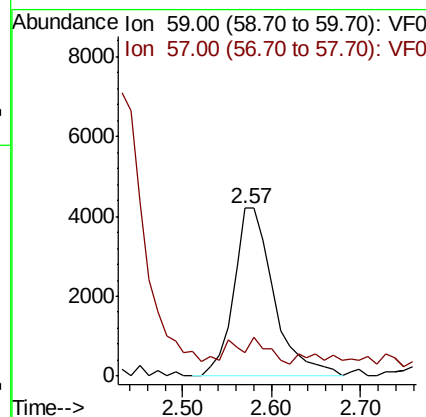
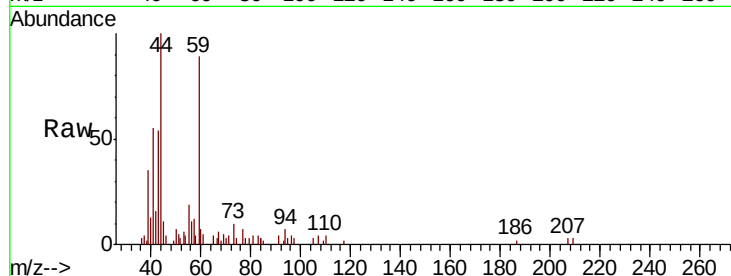
#11
Tert butyl alcohol
Concen: 82.237 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion: 59 Resp: 13202
Ion Ratio Lower Upper
59 100
57 14.0 19.0 28.4#

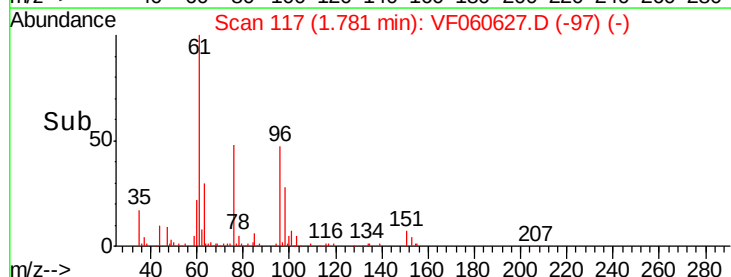
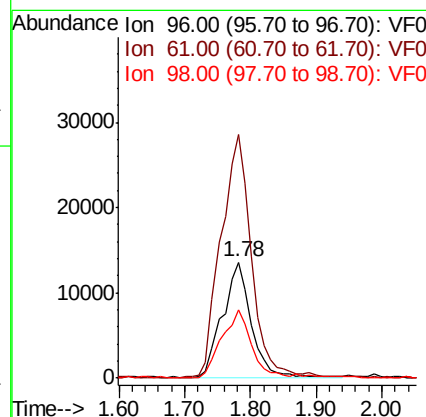
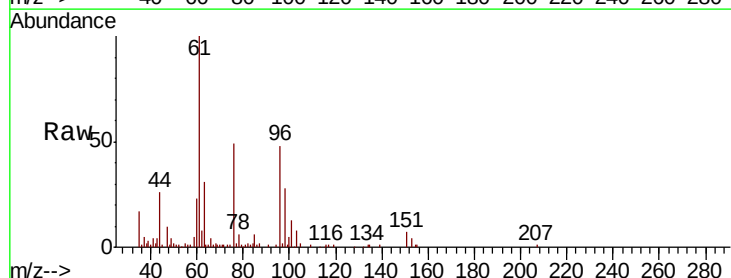
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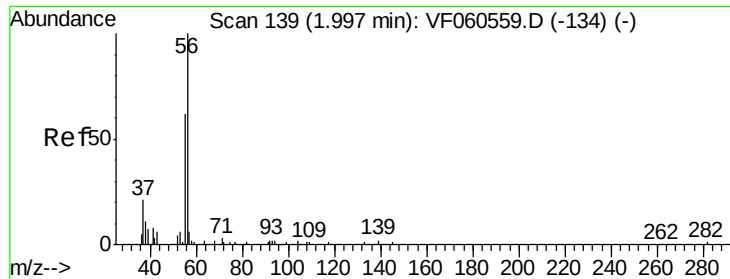
apatel
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#12
1,1-Dichloroethene
Concen: 20.116 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion: 96 Resp: 42013
Ion Ratio Lower Upper
96 100
61 209.9 158.1 237.1
98 59.4 47.0 70.6





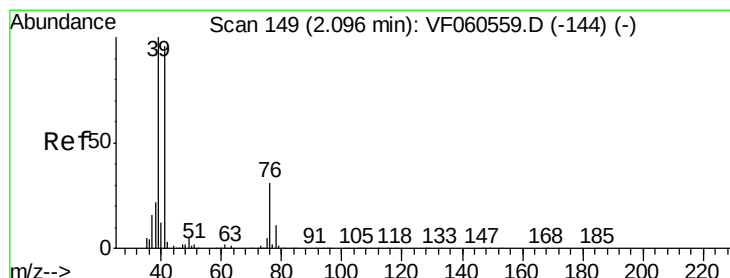
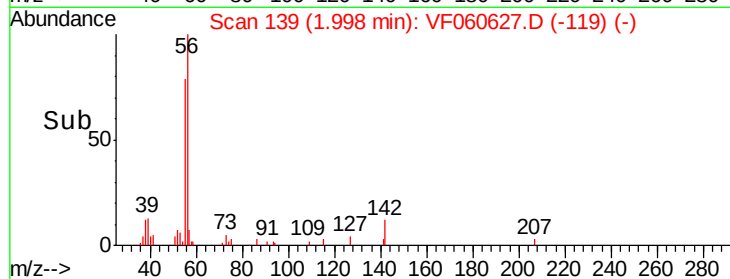
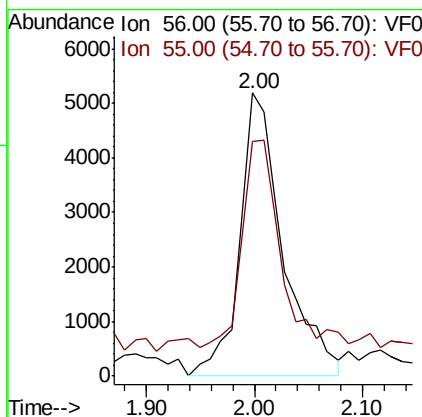
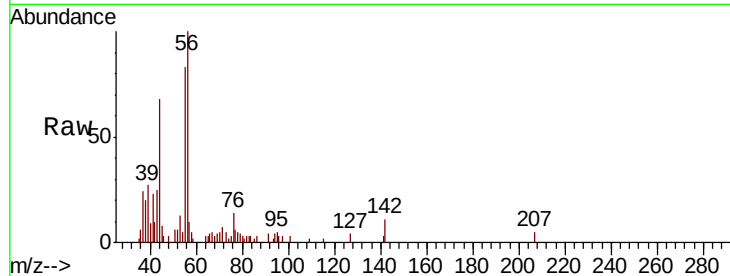
#13
Acrolein
Concen: 135.401 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	56	Resp	14372
Ion Ratio	100	Lower	Upper
55	83.0	61.8	92.6

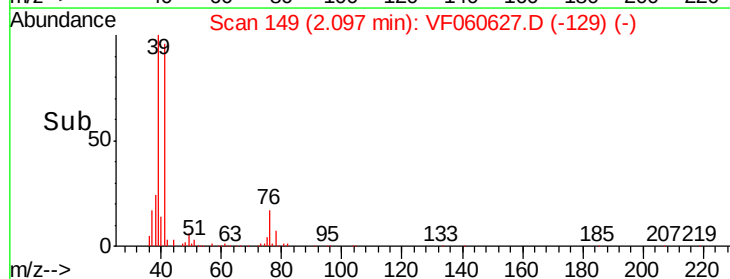
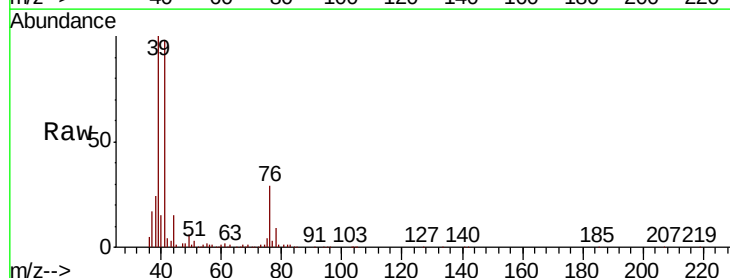
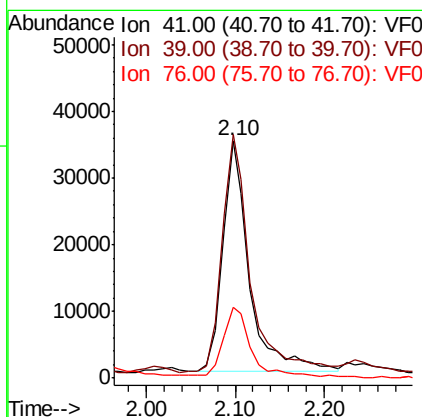
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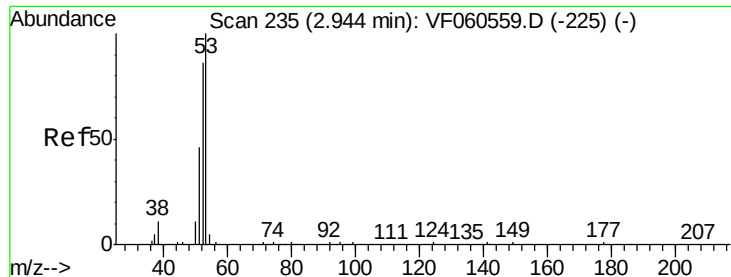
apatel
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#14
Allyl chloride
Concen: 21.563 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	41	Resp	73536
Ion Ratio	100	Lower	Upper
39	102.5	82.6	124.0
76	30.0	26.7	40.1





#15

Acrylonitrile

Concen: 94.830 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

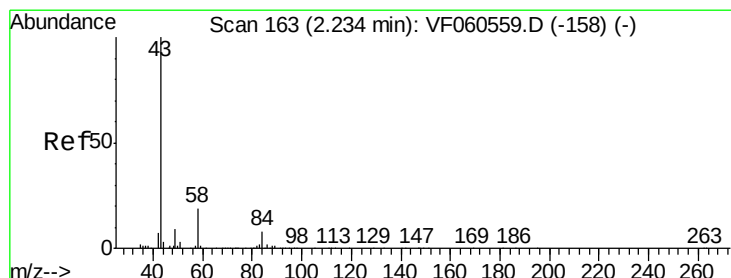
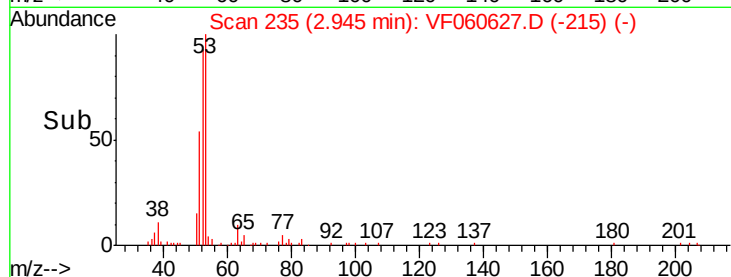
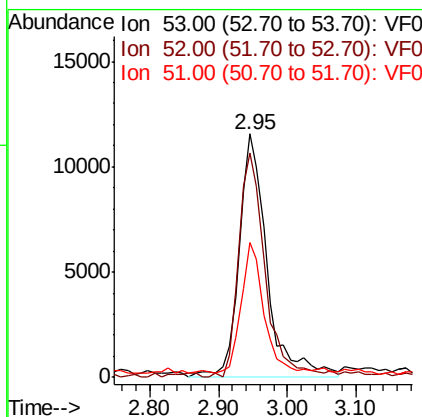
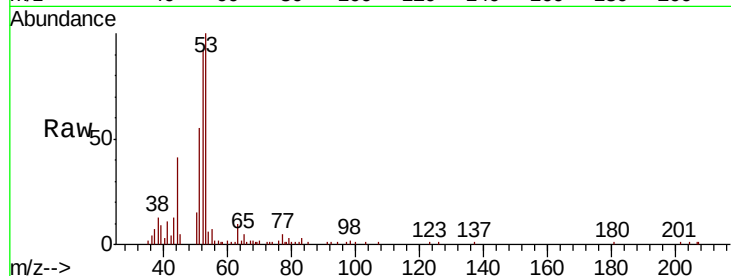
ClientSampleId :

VF1107SBS01

Tot Ion:	53	Resp:	32829
Ion	Ratio	Lower	Upper
53	100		
52	92.0	68.5	102.7
51	55.3	38.2	57.2

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#16

Acetone

Concen: 106.685 ug/l

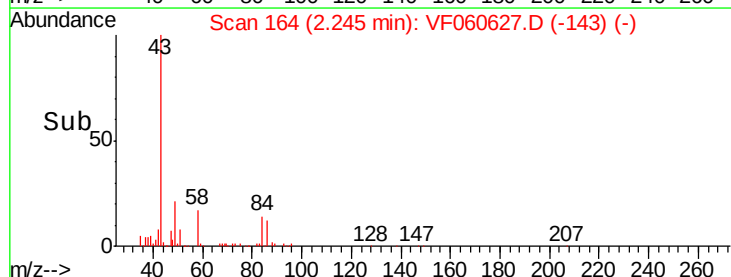
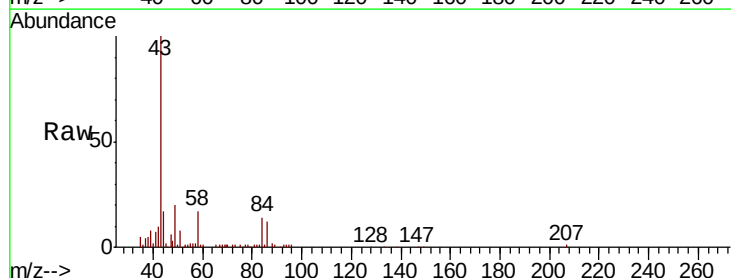
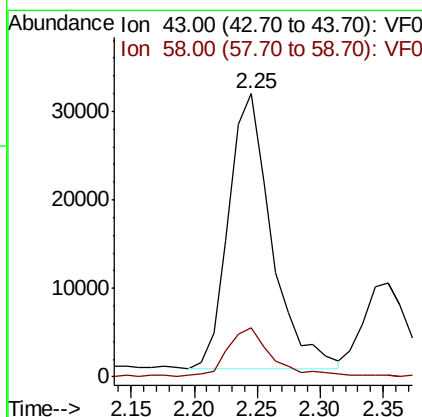
RT: 2.25 min Scan# 164

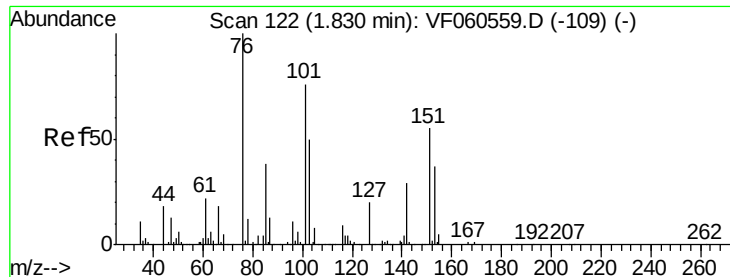
Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	43	Resp:	73023
Ion	Ratio	Lower	Upper
43	100		
58	17.2	14.6	22.0





#17

Carbon Disulfide

Concen: 21.802 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 76 Resp: 128265

Ion Ratio Lower Upper

76 100

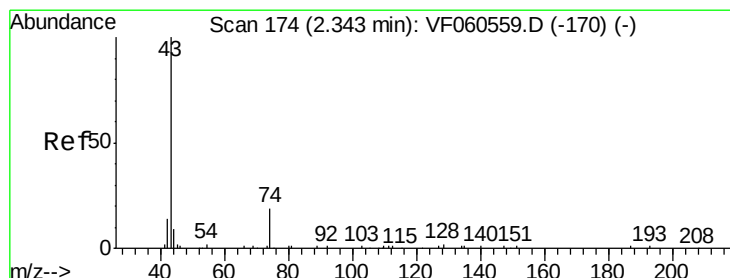
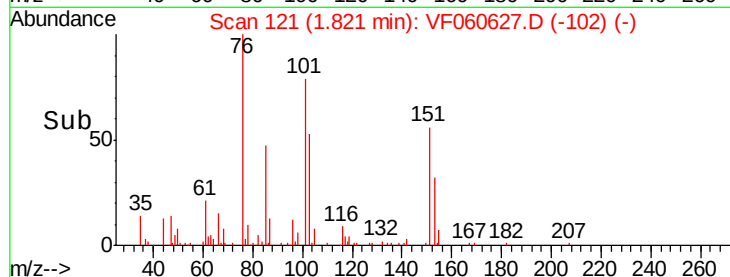
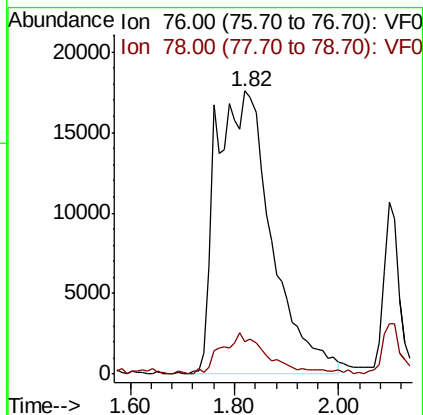
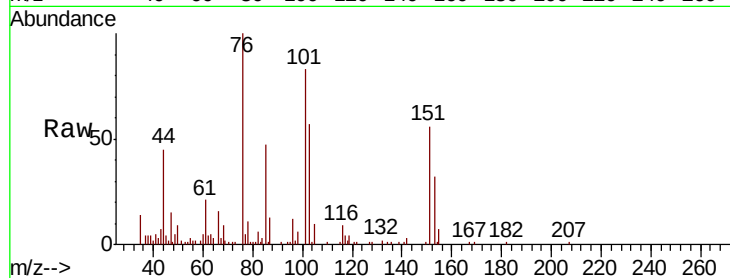
78 11.3 9.9 14.9

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#18

Methyl Acetate

Concen: 19.366 ug/l m

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060627.D

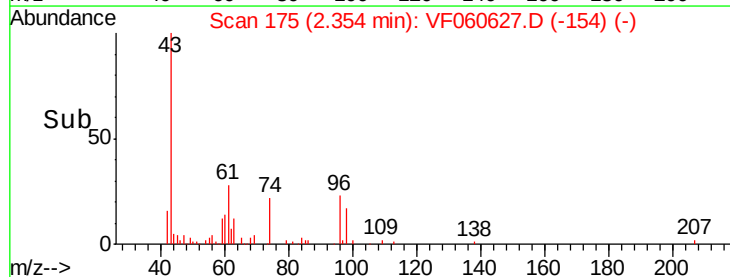
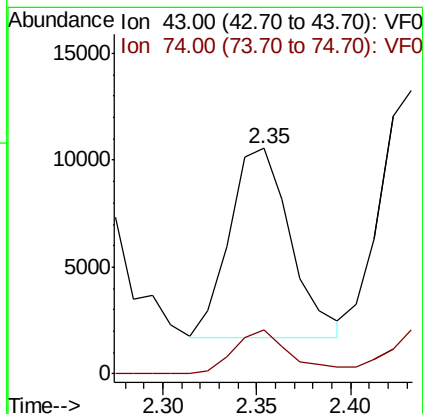
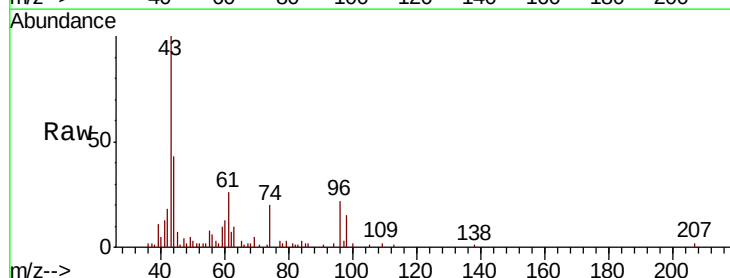
Acq: 7 Nov 2018 13:52

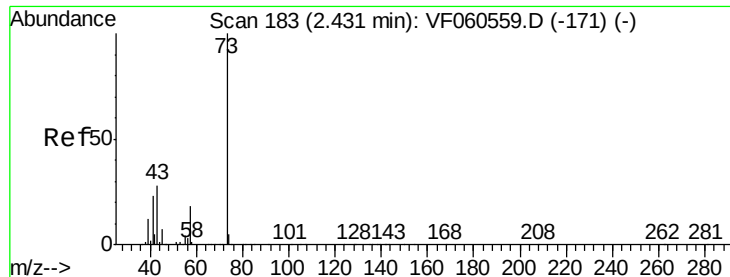
Tgt Ion: 43 Resp: 20275

Ion Ratio Lower Upper

43 100

74 19.6 12.1 18.1#





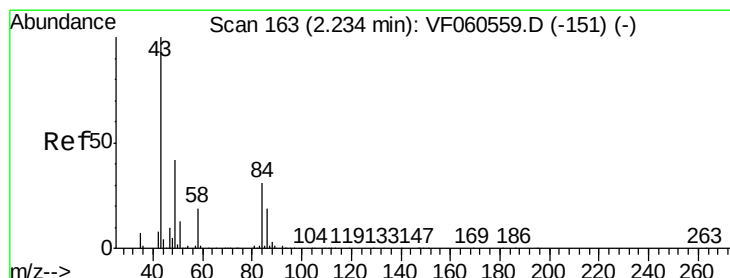
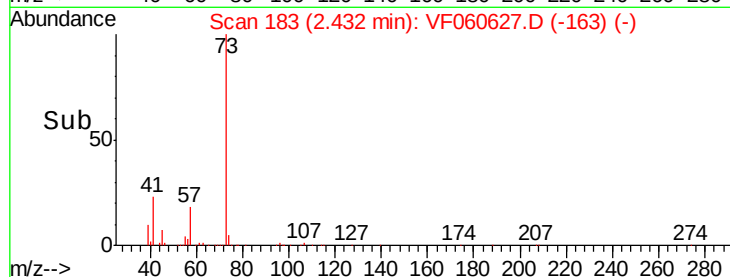
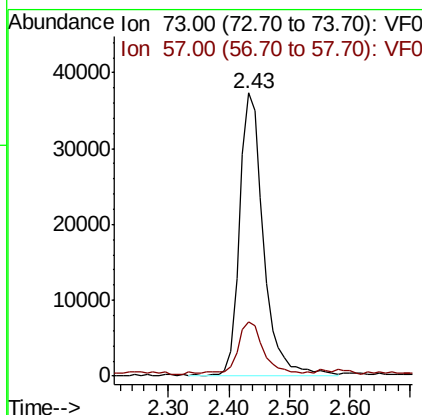
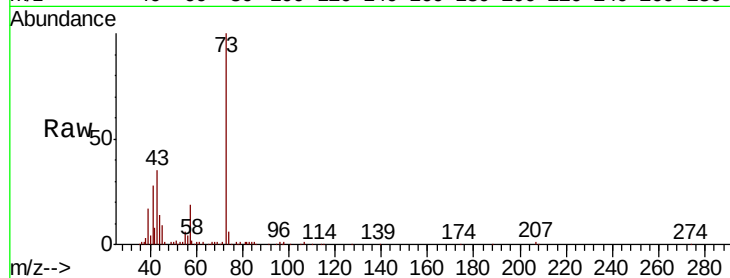
#19
Methyl tert-butyl Ether
Concen: 21.132 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion: 73 Resp: 103174
Ion Ratio Lower Upper
73 100
57 19.0 15.4 23.0

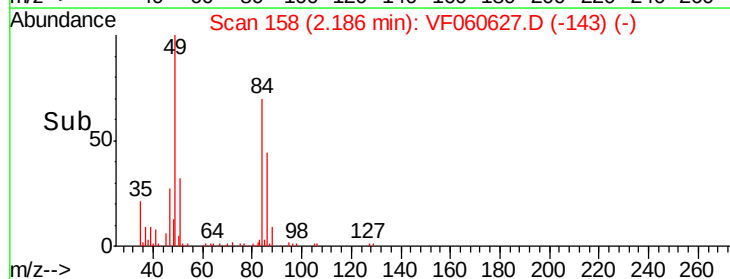
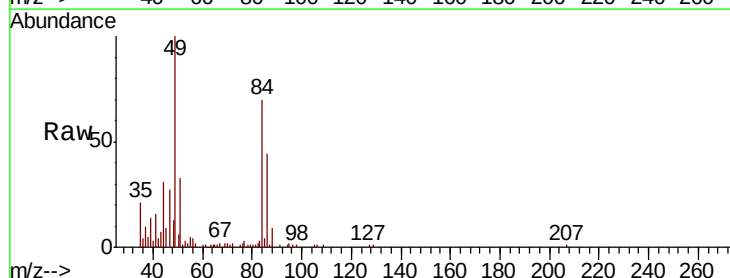
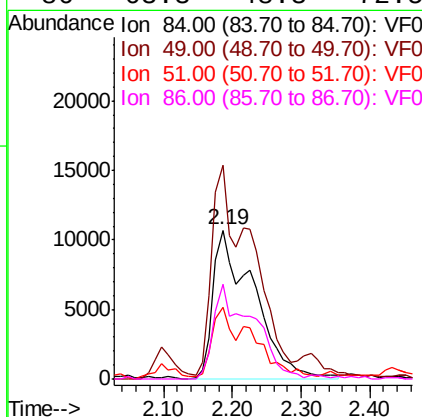
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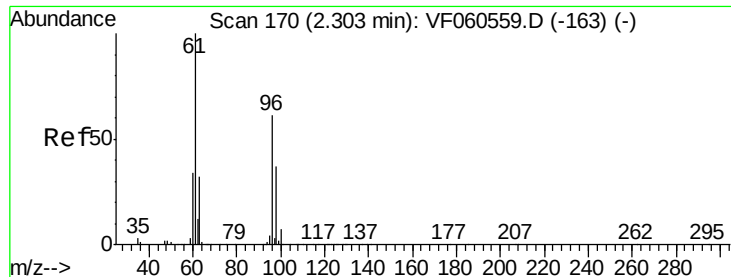
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#20
Methylene Chloride
Concen: 18.370 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion: 84 Resp: 44297
Ion Ratio Lower Upper
84 100
49 143.3 109.9 164.9
51 48.0 35.8 53.8
86 63.3 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 21.209 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

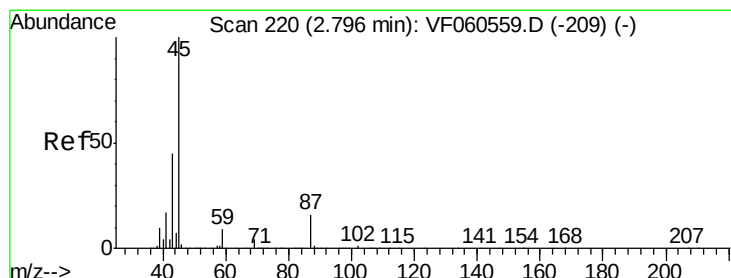
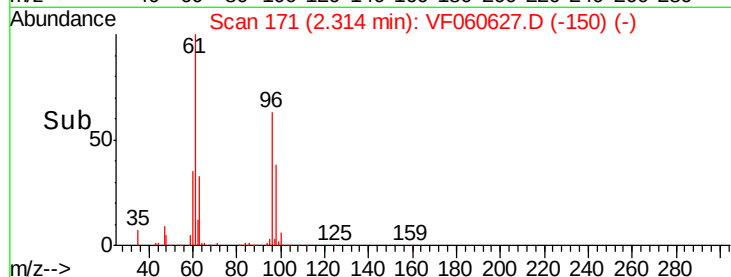
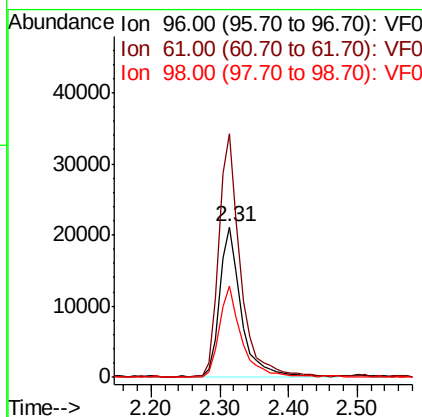
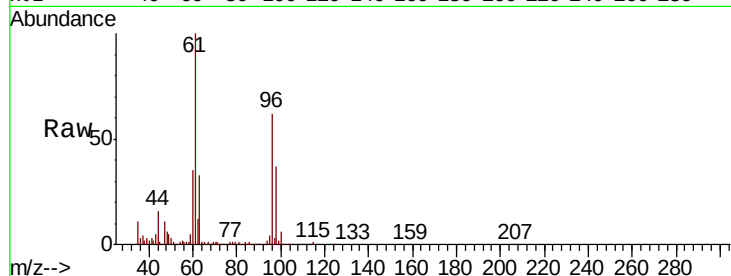
ClientSampleId :

VF1107SBS01

Tot Ion:	96	Resp:	46473
Ion	Ratio	Lower	Upper
96	100		
61	161.6	131.3	196.9
98	60.4	48.6	73.0

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#22

Diisopropyl ether

Concen: 21.377 ug/l

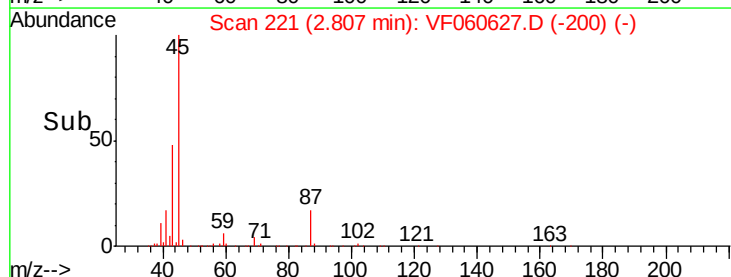
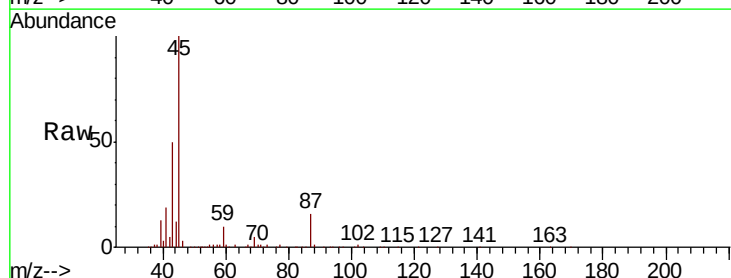
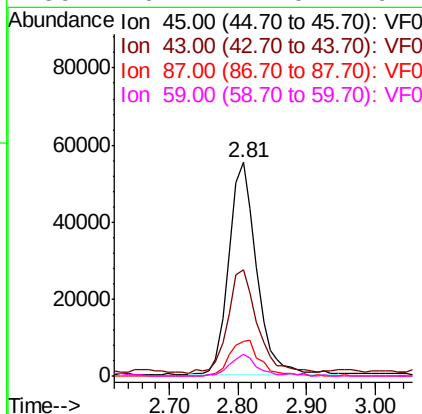
RT: 2.81 min Scan# 221

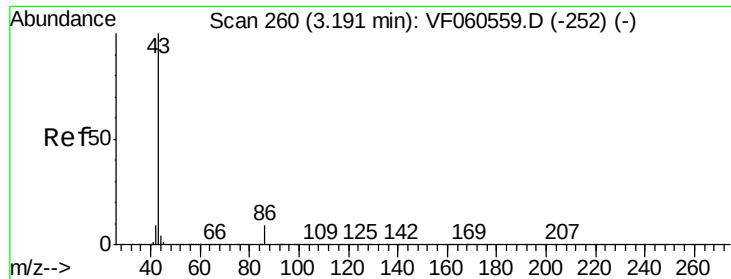
Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	45	Resp:	154458
Ion	Ratio	Lower	Upper
45	100		
43	49.9	38.1	57.1
87	16.5	12.7	19.1
59	10.4	7.0	10.4





#23

Vinyl Acetate

Concen: 95.215 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060627.D

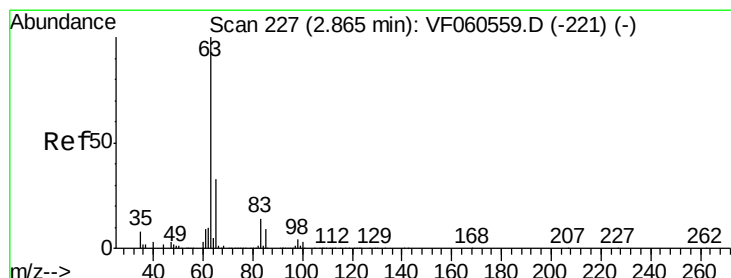
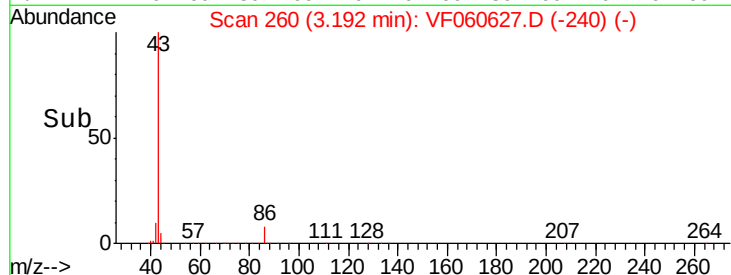
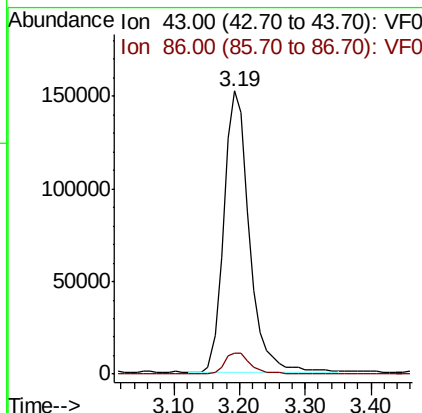
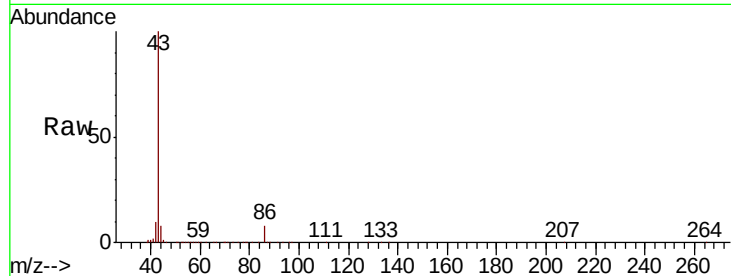
Acq: 7 Nov 2018 13:52

Tot Ion:	43	Resp:	413354
Ion Ratio	Lower	Upper	
43	100		
86	7.5	7.1	10.7

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

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#24

1,1-Dichloroethane

Concen: 20.280 ug/l

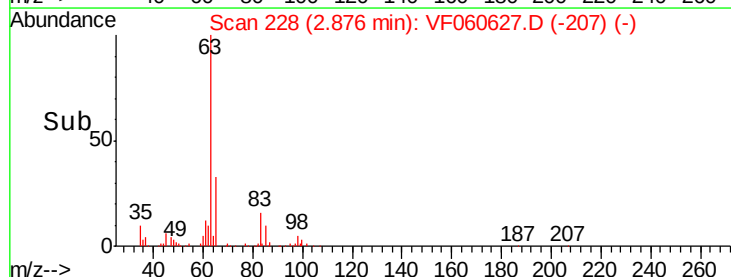
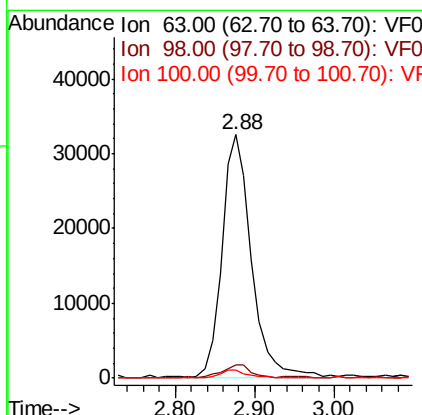
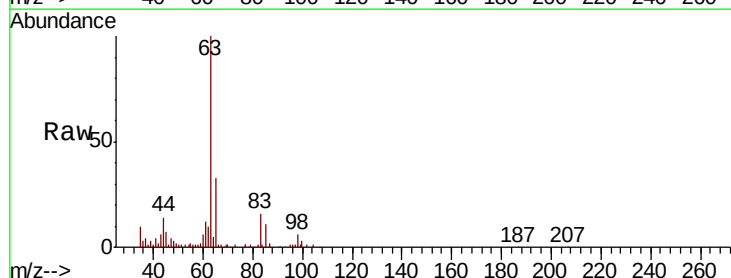
RT: 2.88 min Scan# 228

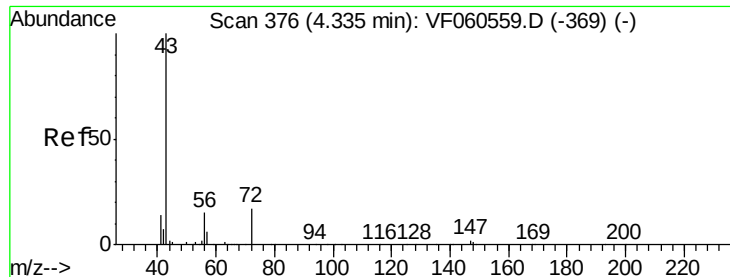
Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	63	Resp:	84802
Ion Ratio	Lower	Upper	
63	100		
98	5.5	2.2	6.6
100	3.1	1.4	4.0





#25

2-Butanone

Concen: 95.881 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 43 Resp: 148879

Ion Ratio Lower Upper

43 100

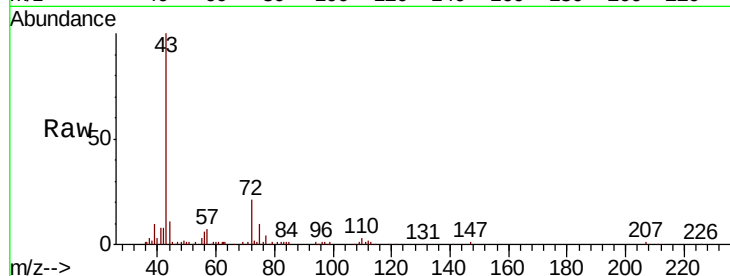
72 21.5 16.2 24.2

Manual Integrations

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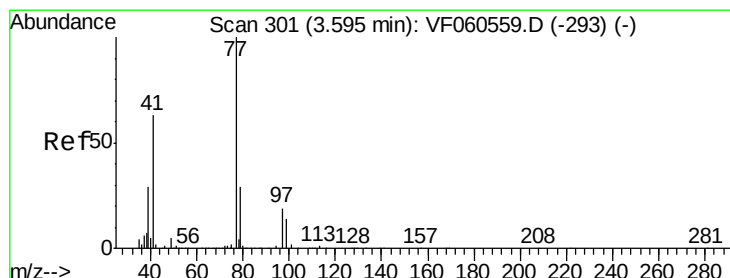
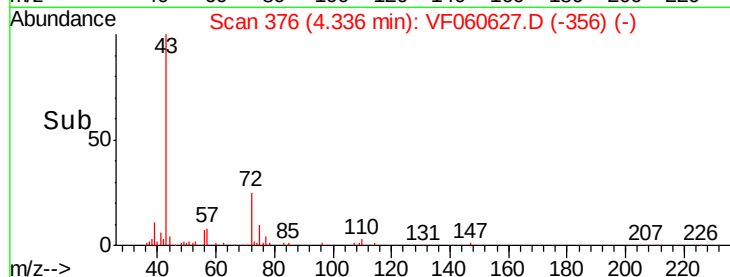
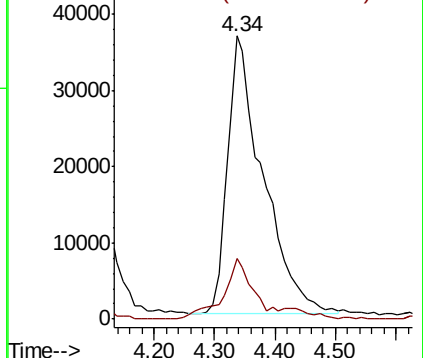
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 23.962 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF060627.D

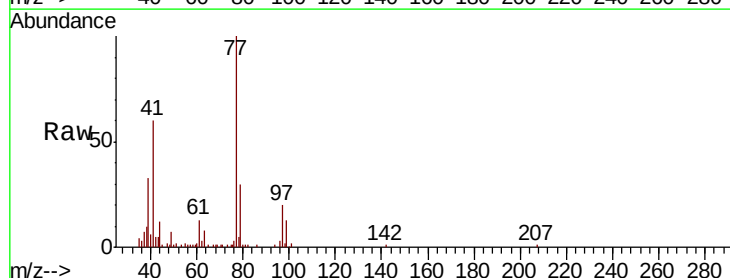
Acq: 7 Nov 2018 13:52

Tgt Ion: 77 Resp: 74975

Ion Ratio Lower Upper

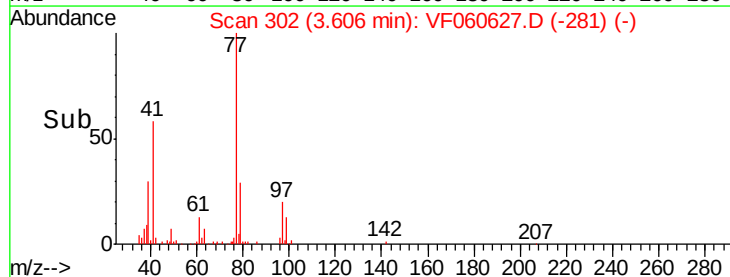
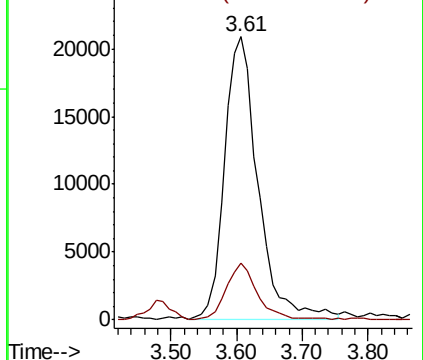
77 100

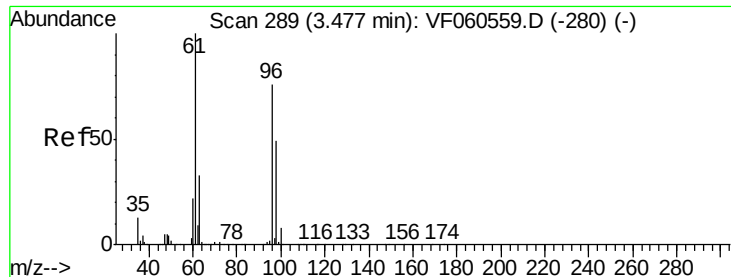
97 20.2 9.8 29.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

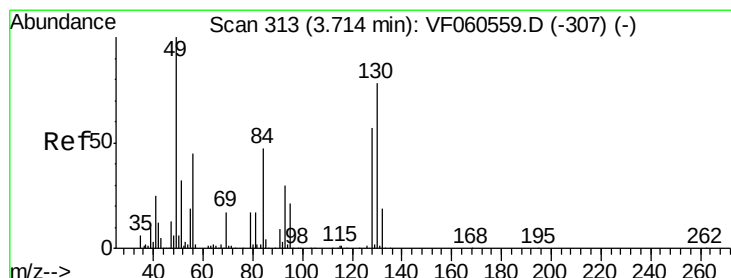
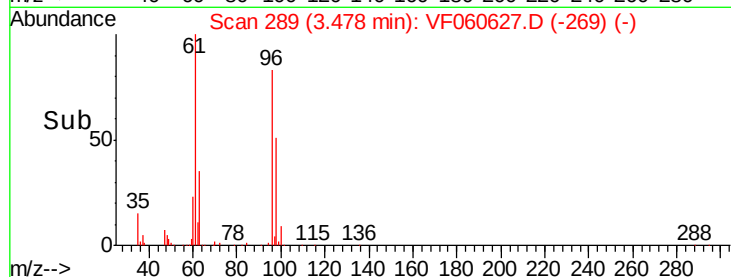
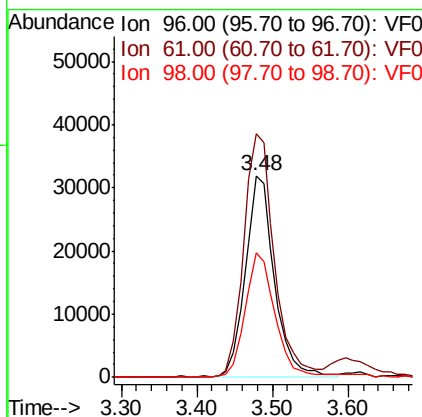
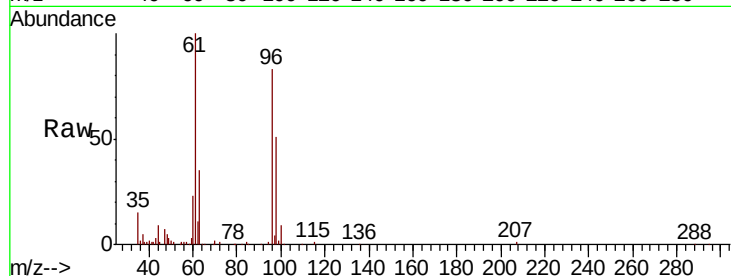
cis-1,2-Dichloroethene
Concen: 20.479 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	85661		
61	120.5		0.0	263.0
98	61.8		0.0	130.6

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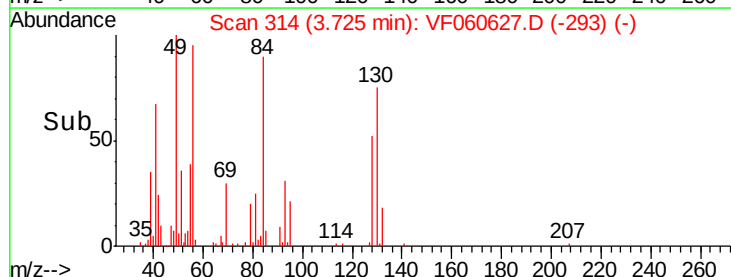
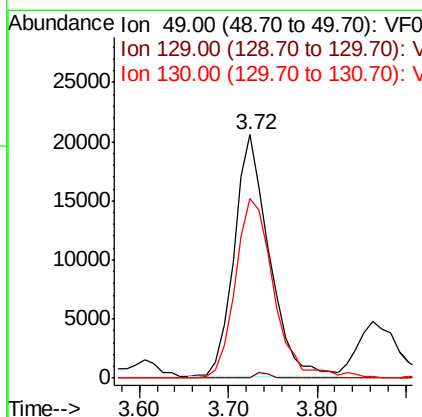
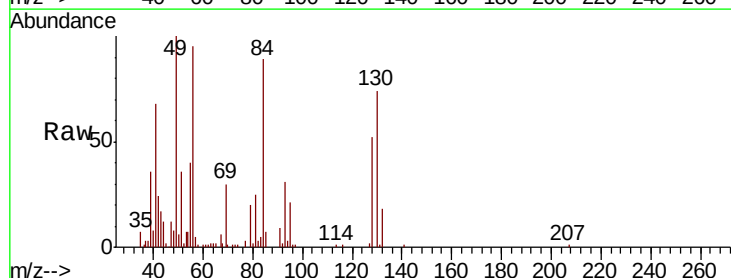
apatel
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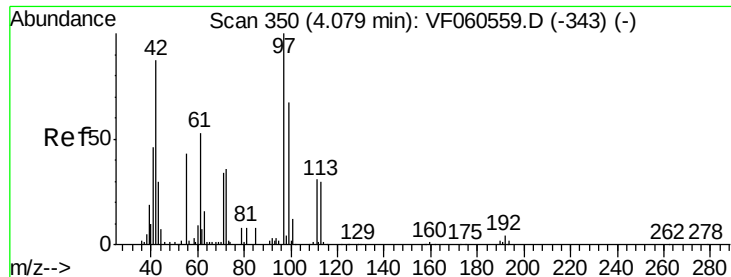


#28

Bromochloromethane
Concen: 21.045 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55227		
129	0.0		0.0	4.6
130	74.0		61.8	92.8





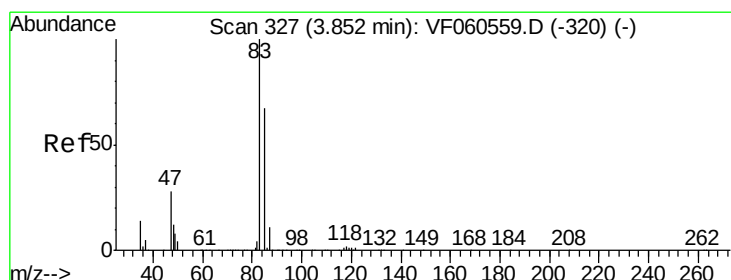
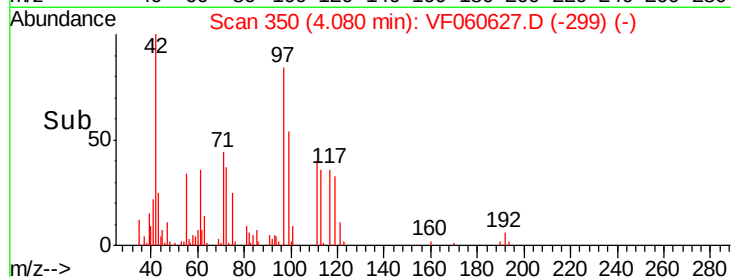
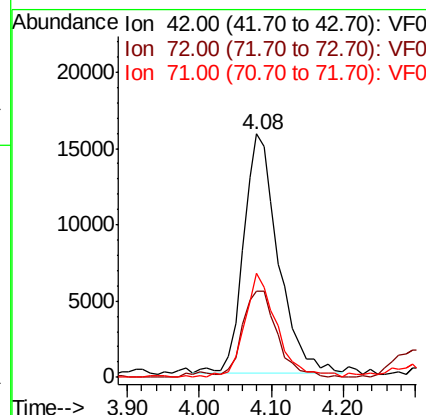
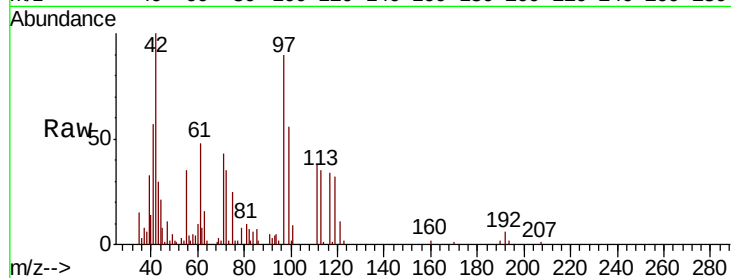
#29
Tetrahydrofuran
Concen: 96.899 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	31.4	47.0
71	40.5	31.8	47.6

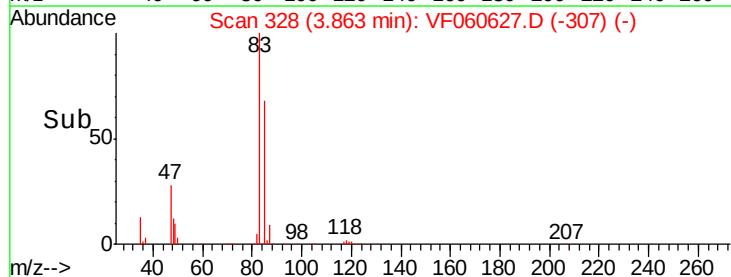
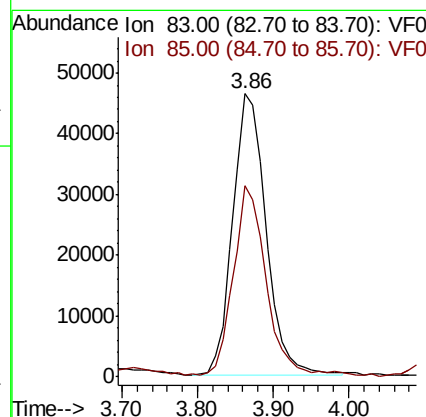
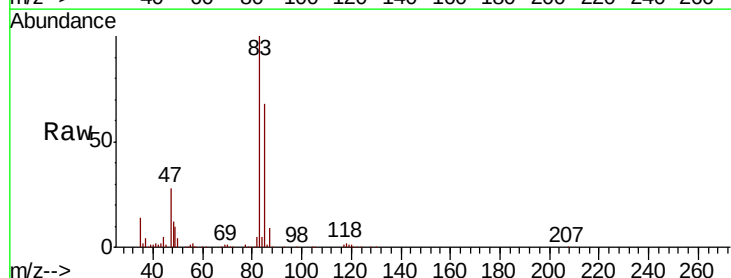
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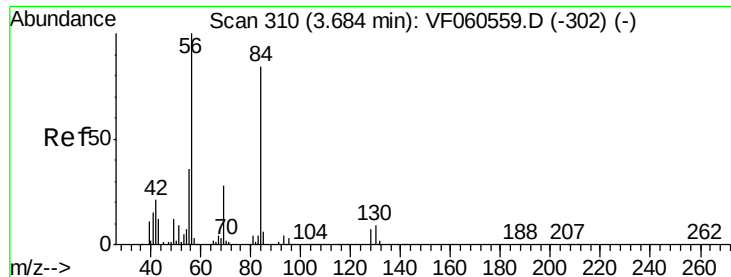
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#30
Chloroform
Concen: 21.444 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.7	80.5





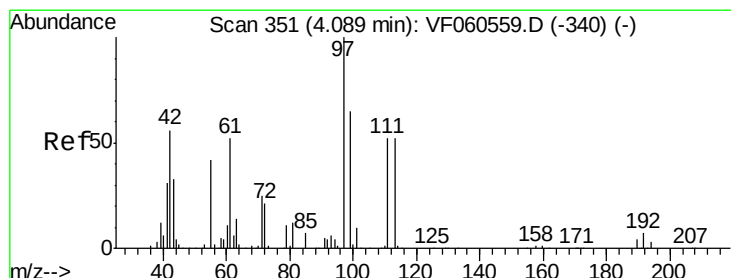
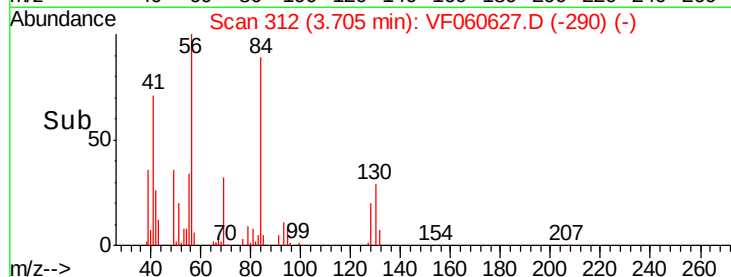
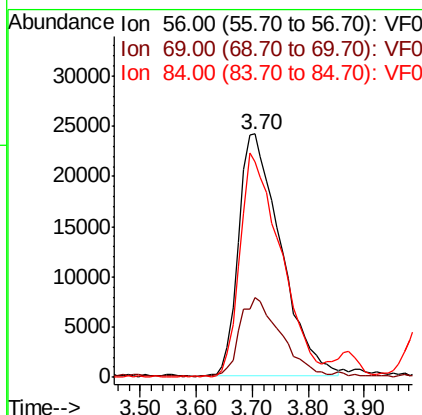
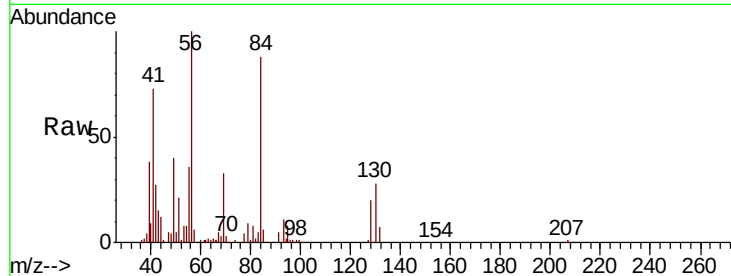
#31
Cyclohexane
Concen: 21.655 ug/l
RT: 3.70 min Scan# 312
Delta R.T. 0.02 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	23.0	34.4
84	88.3	67.1	100.7

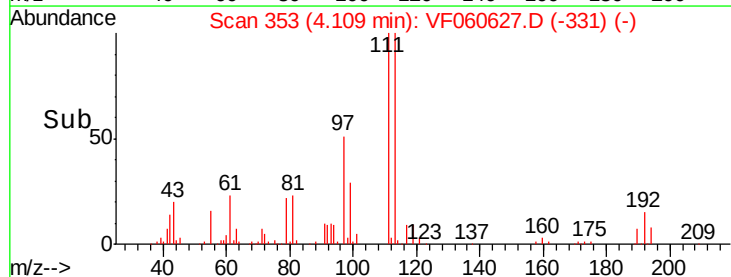
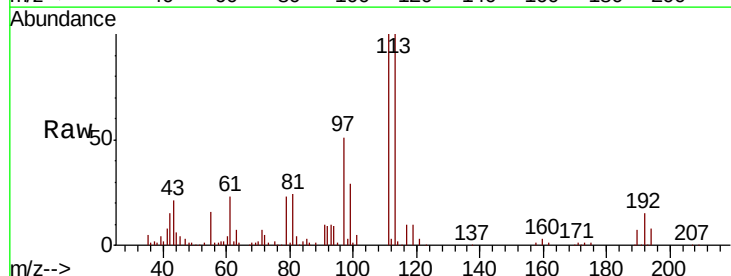
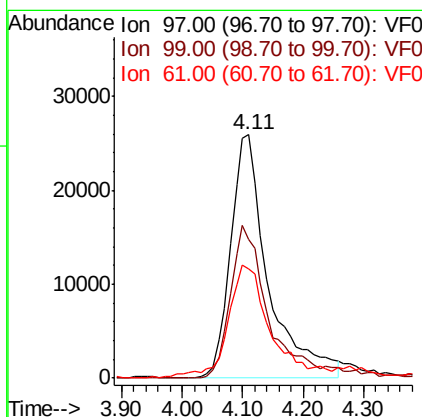
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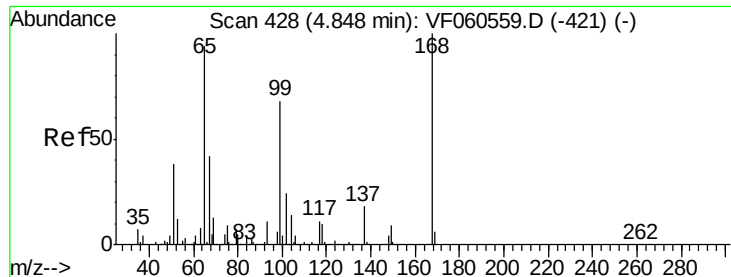
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#32
1,1,1-Trichloroethane
Concen: 24.308 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.7	52.4	78.6
61	45.0	41.5	62.3





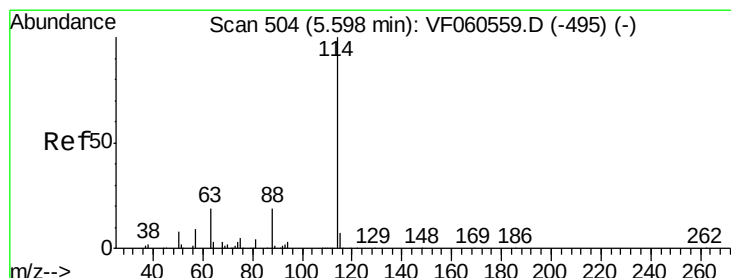
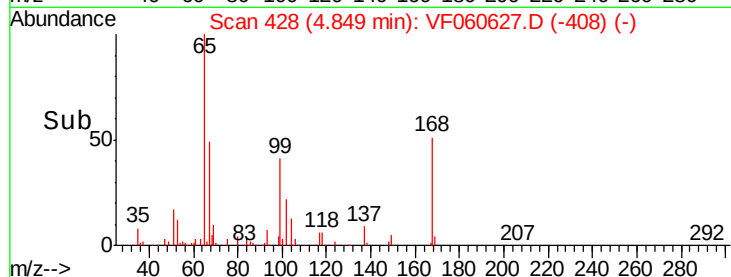
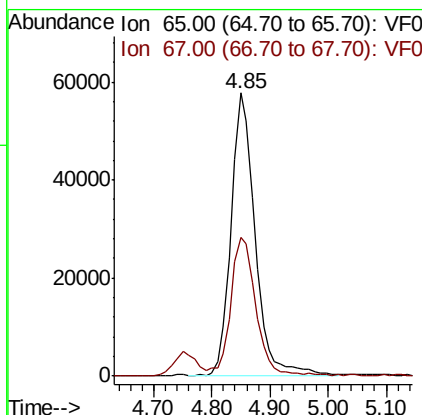
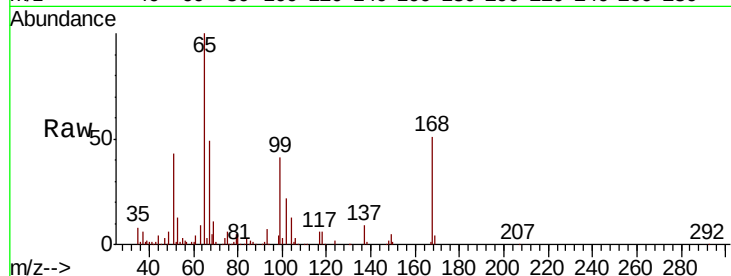
#33
 1,2-Dichloroethane-d4
 Concen: 56.975 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165500		
67	49.0	0.0	101.8	

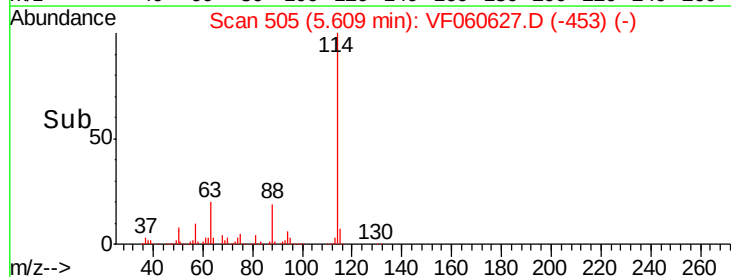
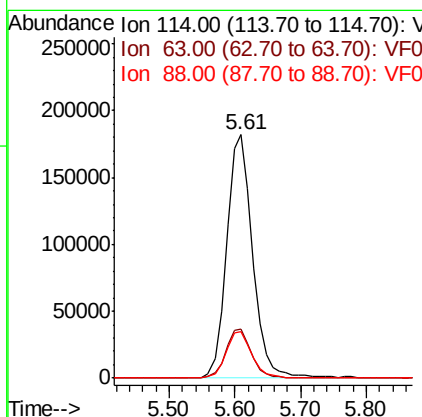
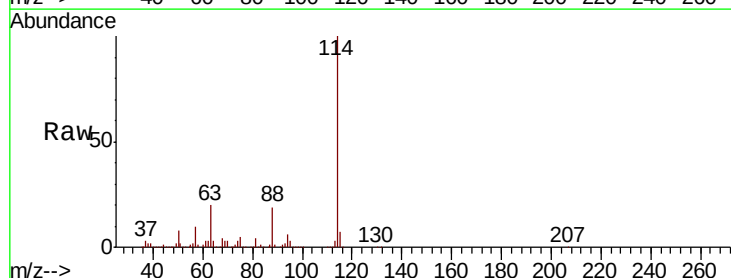
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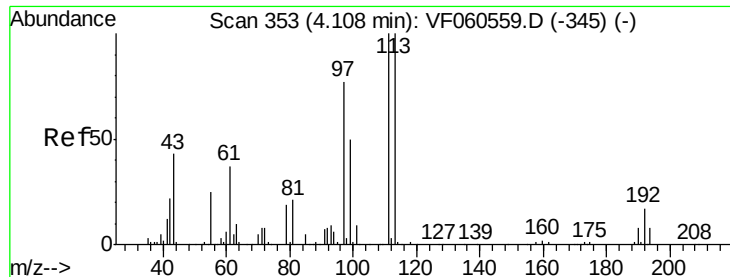
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	501632		
63	20.0	0.0	39.0	
88	19.0	0.0	38.2	





#35

Dibromofluoromethane

Concen: 50.306 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

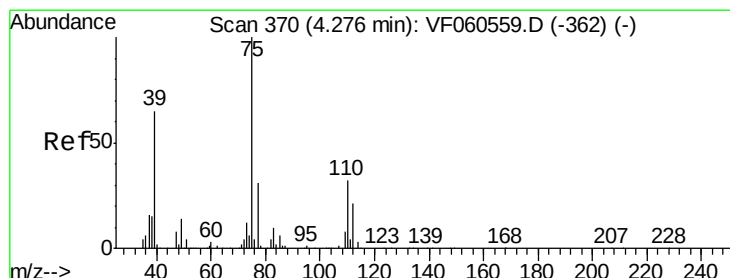
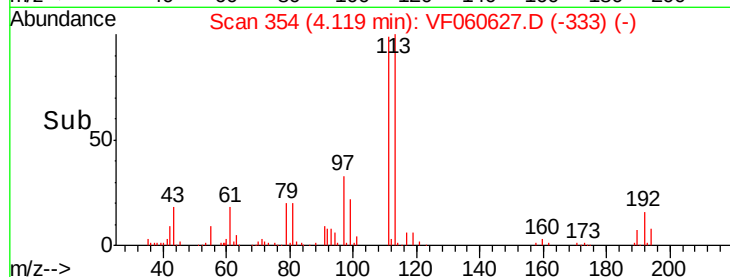
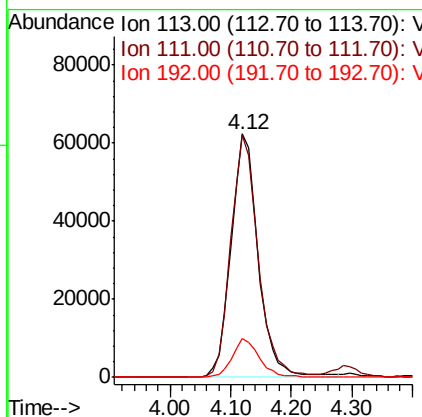
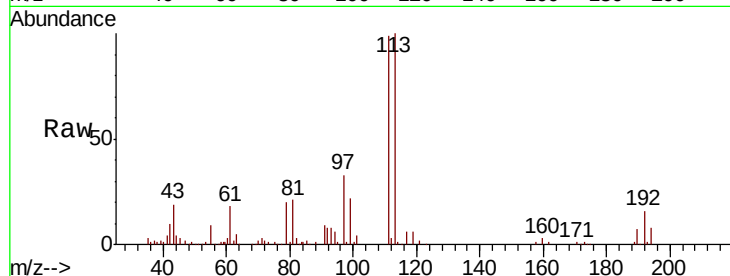
ClientSampleId :

VF1107SBS01

Tot Ion:	113	Resp:	194967
Ion Ratio	Lower	Upper	
113	100		
111	99.5	79.9	119.9
192	15.7	13.3	19.9

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#36

1,1-Dichloropropene

Concen: 21.098 ug/l

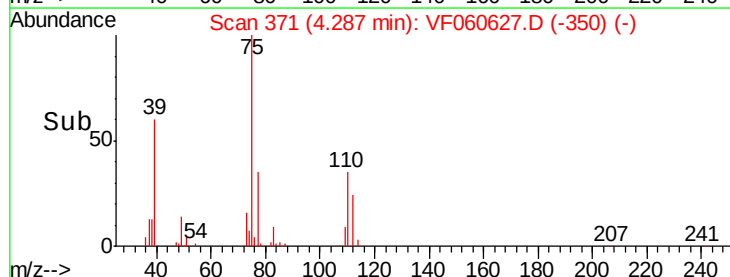
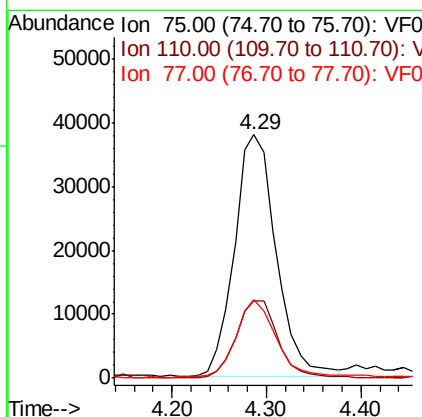
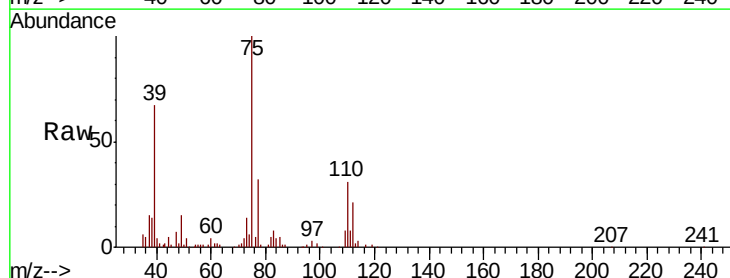
RT: 4.29 min Scan# 371

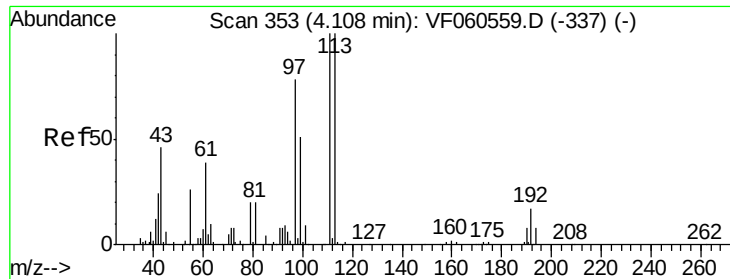
Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	75	Resp:	116528
Ion Ratio	Lower	Upper	
75	100		
110	31.5	16.2	48.6
77	32.4	25.0	37.6





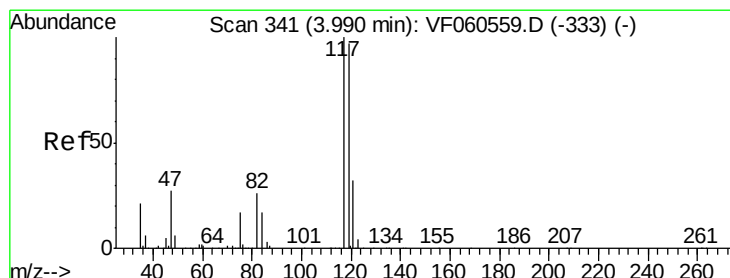
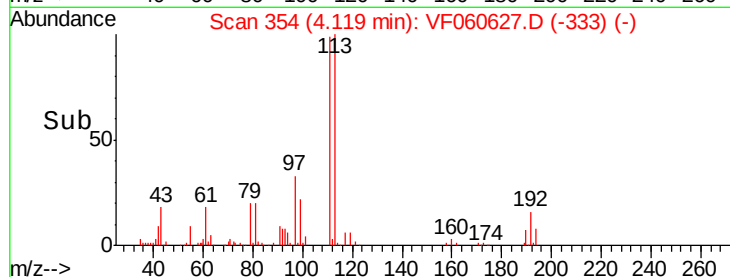
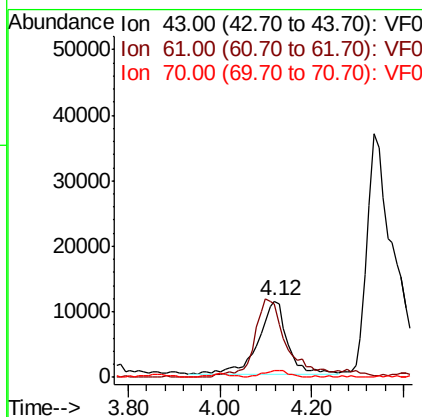
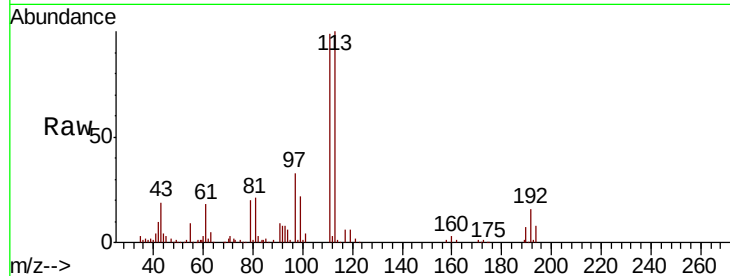
#37
Ethyl Acetate
Concen: 18.398 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	95.5	63.4	95.2#
70	8.9	9.3	13.9#

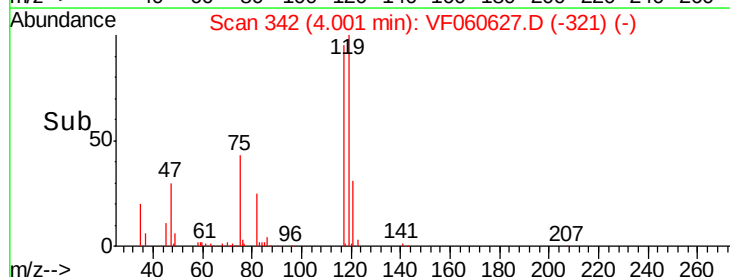
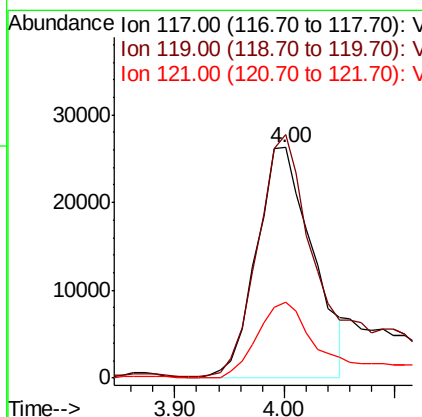
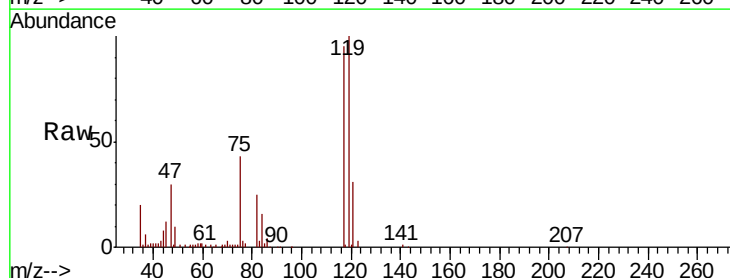
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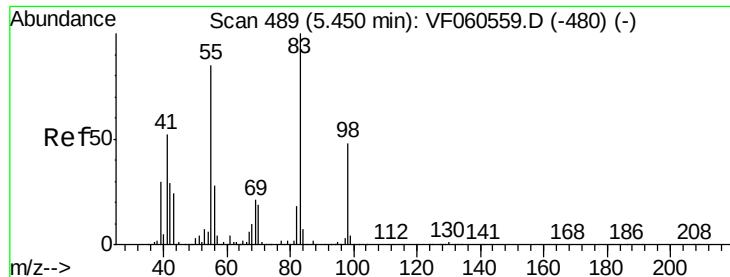
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#38
Carbon Tetrachloride
Concen: 19.844 ug/l m
RT: 4.00 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.7	77.8	116.6
121	32.9	25.6	38.4





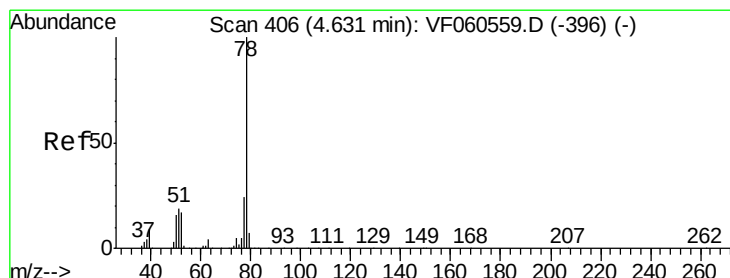
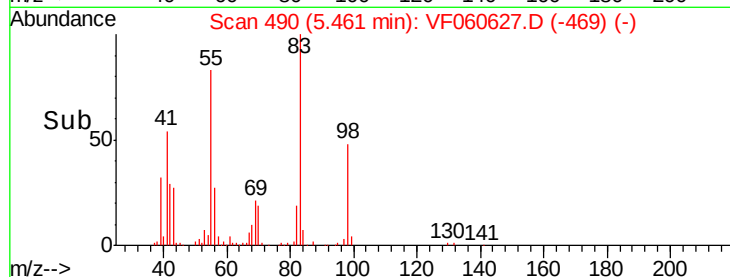
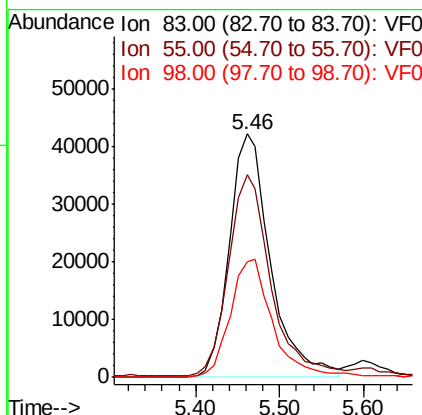
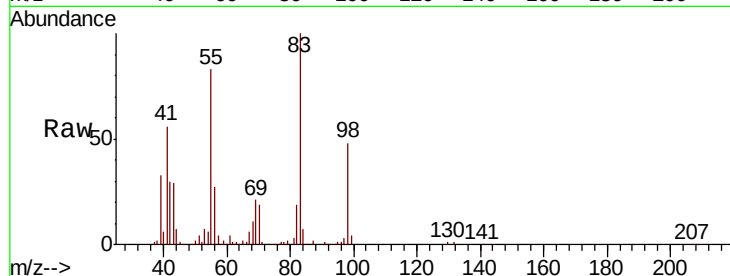
#39
Methylvlcyclohexane
Concen: 21.445 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	69.1	103.7
98	47.7	38.6	57.8

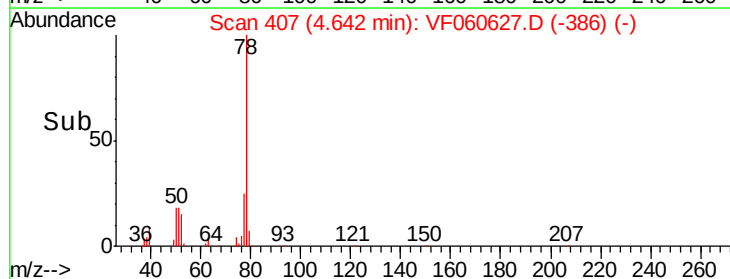
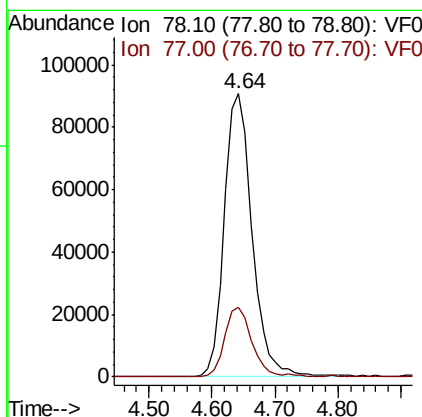
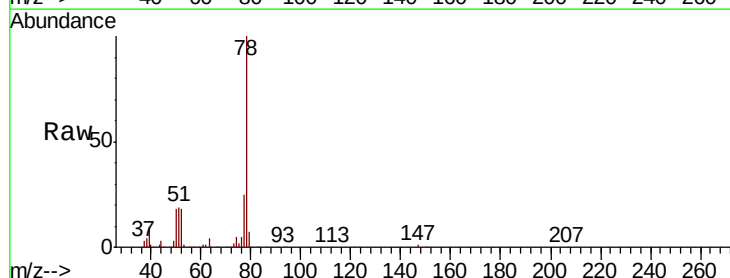
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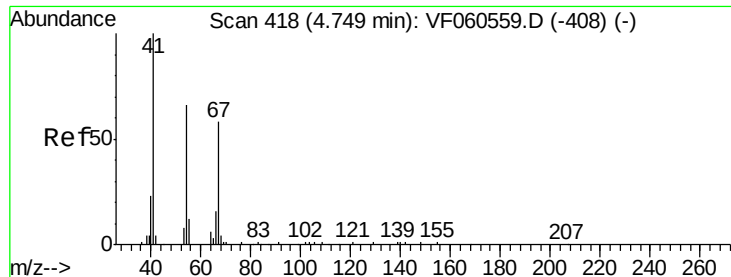
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#40
Benzene
Concen: 20.780 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9





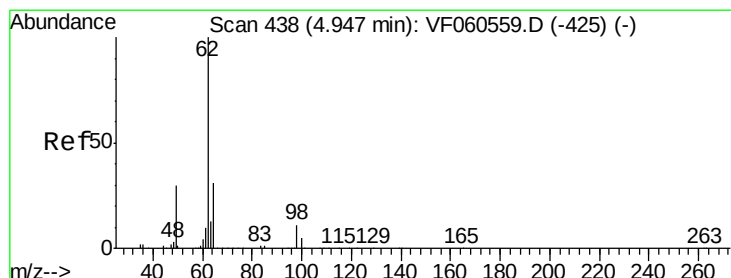
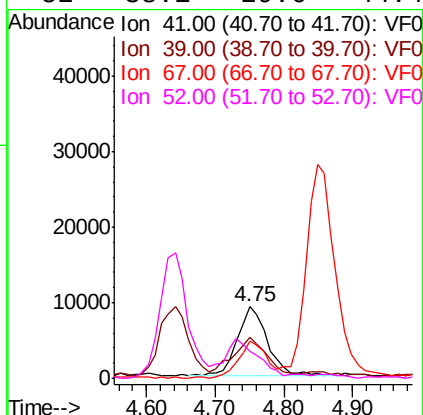
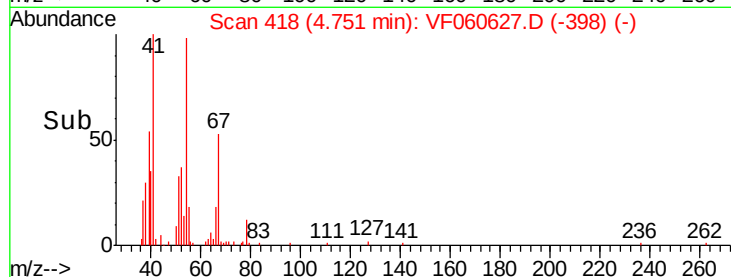
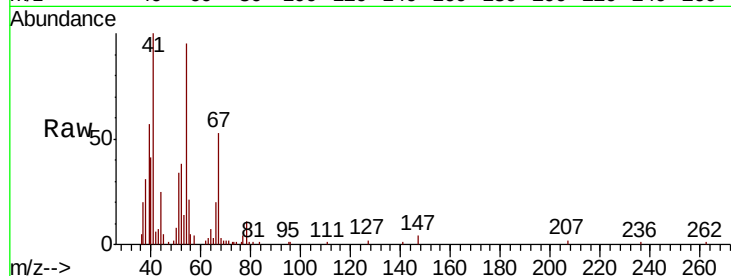
#41
Methacrylonitrile
Concen: 18.771 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.6	68.4
67	52.9	45.3	67.9
52	38.1	29.6	44.4

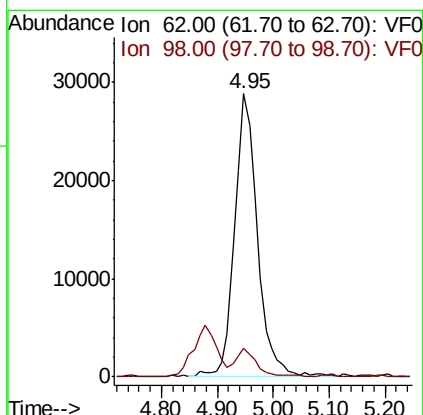
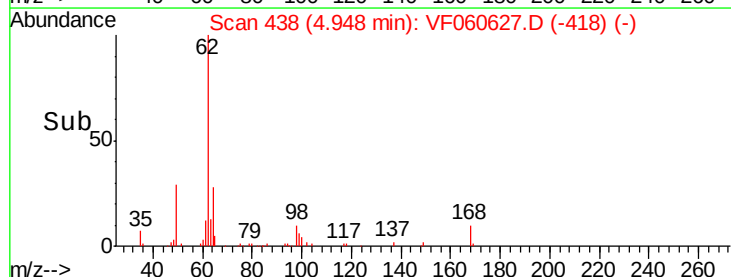
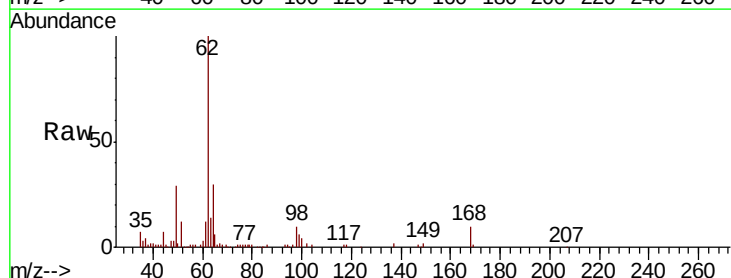
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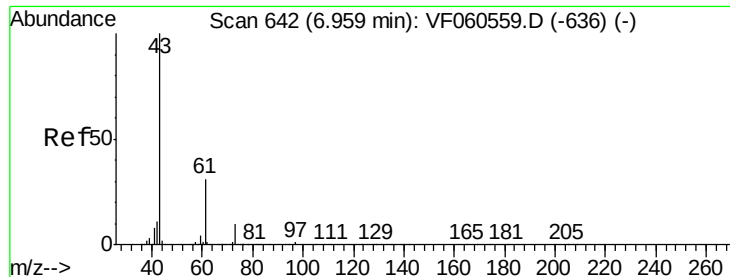
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#42
1,2-Dichloroethane
Concen: 21.337 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	22.4





#43

Isopropyl Acetate

Concen: 17.938 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

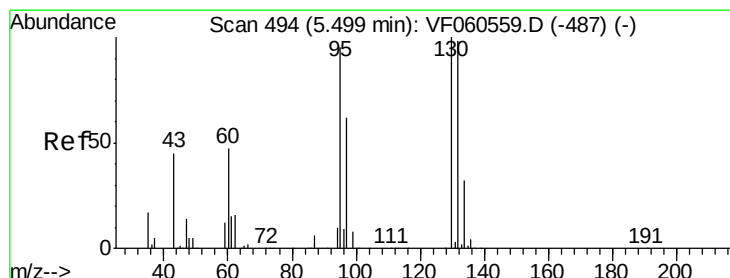
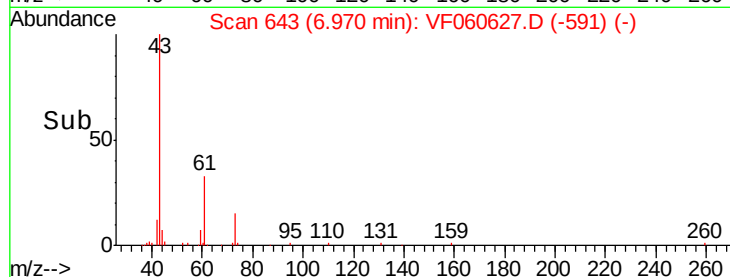
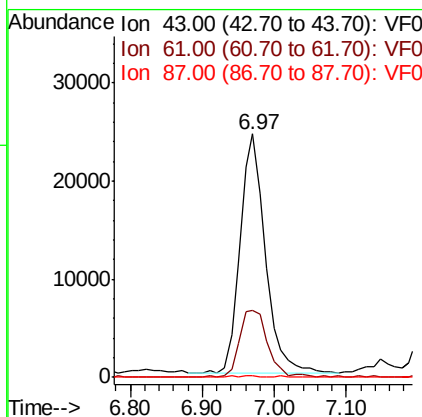
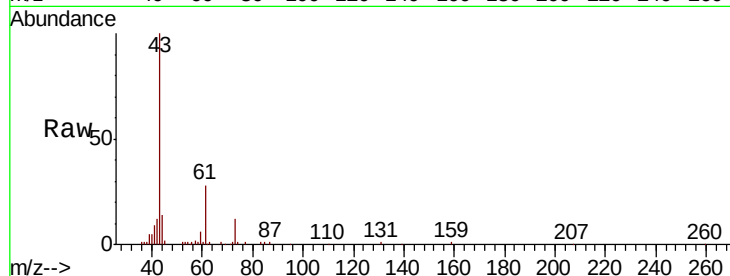
ClientSampleId :

VF1107SBS01

Tot Ion:	43	Resp:	60161
Ion	Ratio	Lower	Upper
43	100		
61	27.7	24.2	36.2
87	0.6	0.2	0.4

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#44

Trichloroethene

Concen: 20.569 ug/l

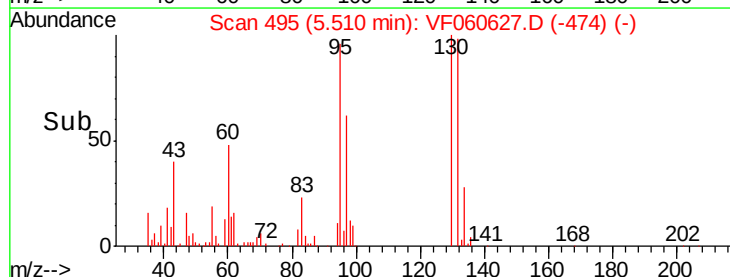
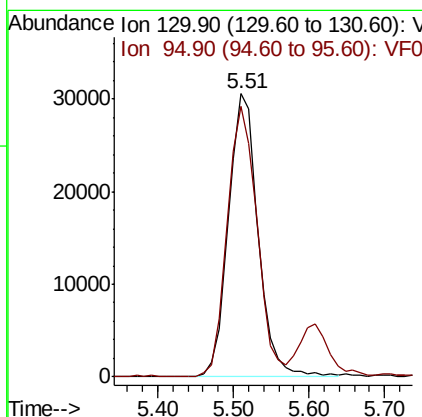
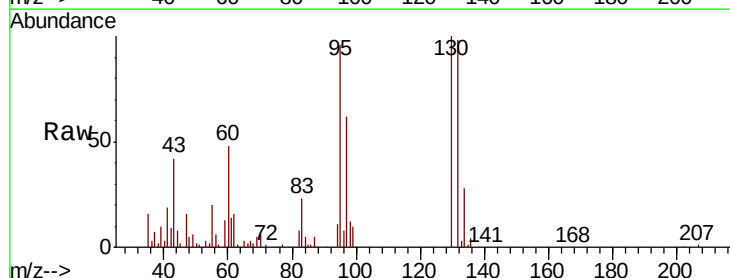
RT: 5.51 min Scan# 495

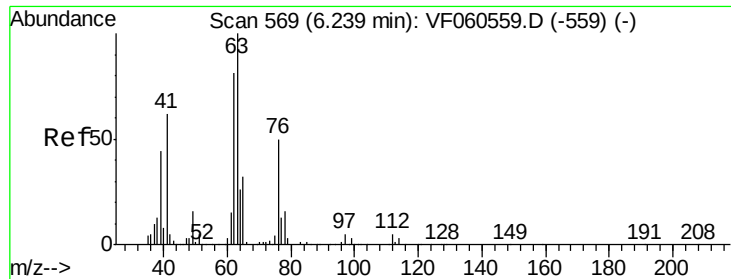
Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	130	Resp:	82879
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.0





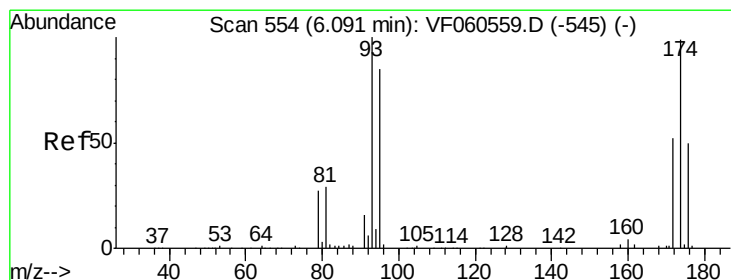
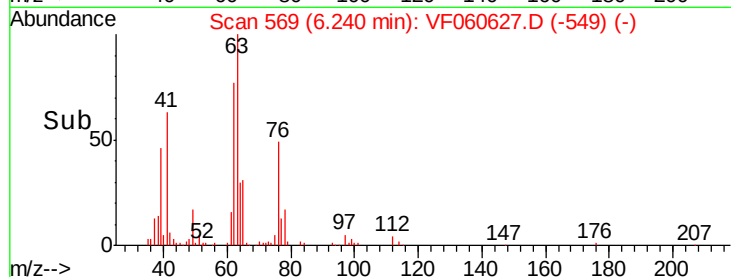
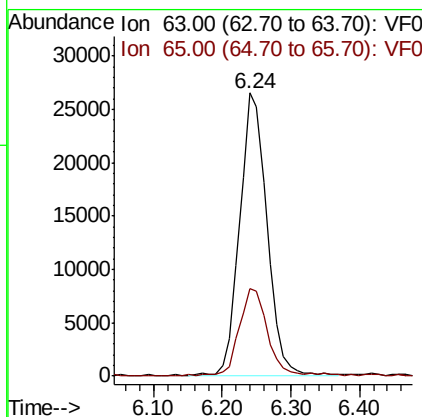
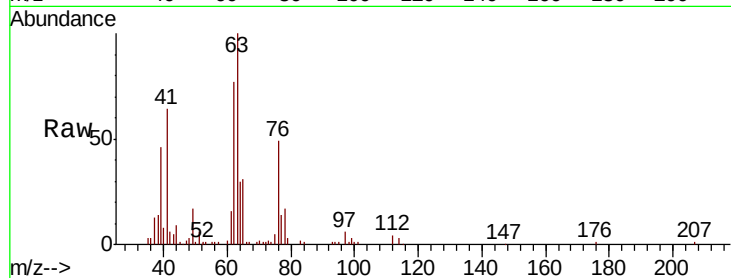
#45
 1,2-Dichloropropane
 Concen: 21.456 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion: 63 Resp: 73571
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0

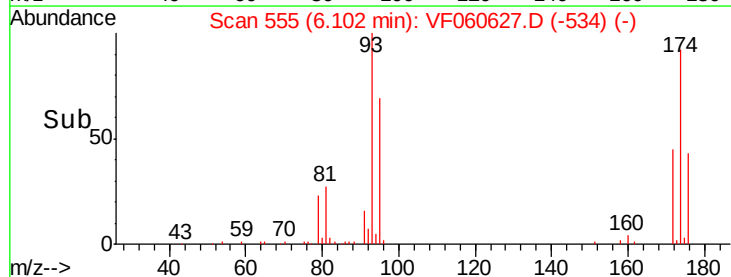
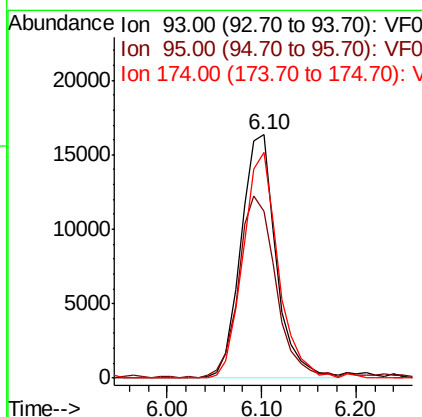
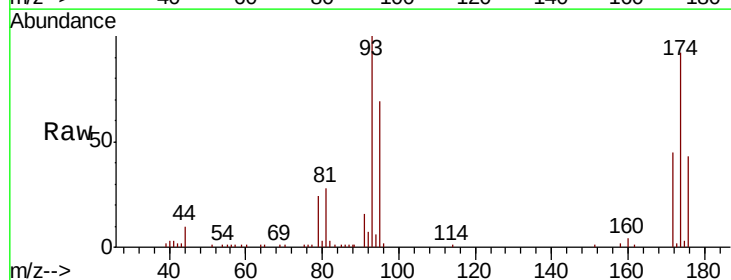
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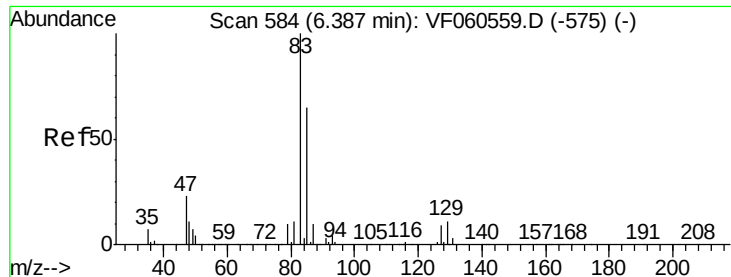
apatel
 11/8/2018 10:28:35 AM



#46
 Dibromomethane
 Concen: 19.433 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Tgt Ion: 93 Resp: 42273
 Ion Ratio Lower Upper
 93 100
 95 68.6 68.6 102.8
 174 92.5 79.0 118.4





#47

Bromodichloromethane

Concen: 20.265 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

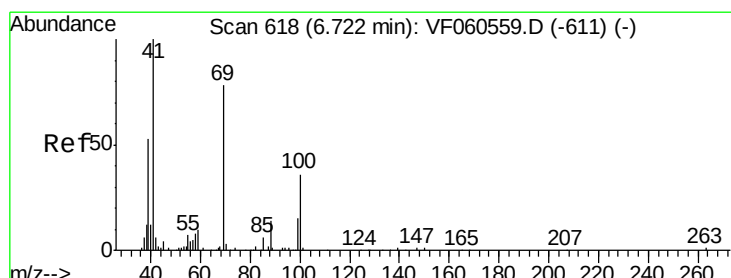
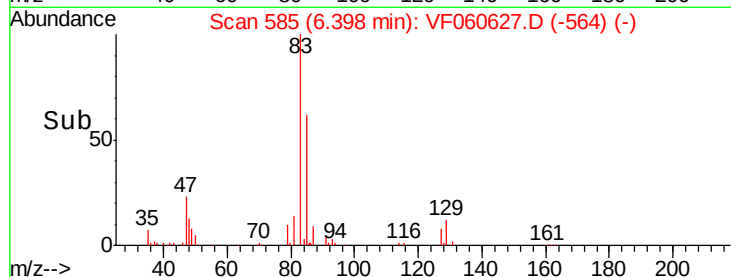
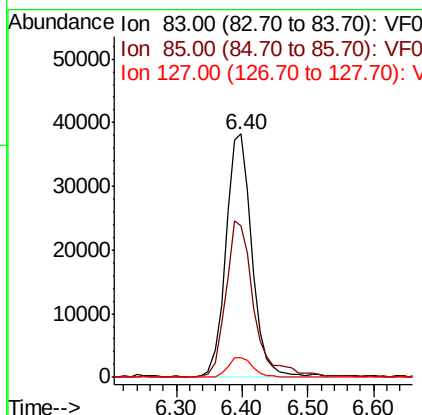
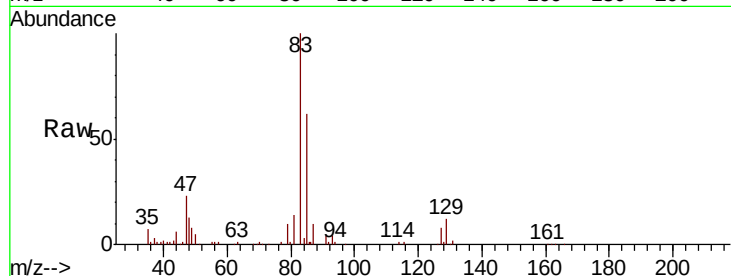
ClientSampleId :

VF1107SBS01

Tot Ion:	83	Resp:	106328
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6
127	8.3	7.0	10.4

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#48

Methyl methacrylate

Concen: 17.559 ug/l

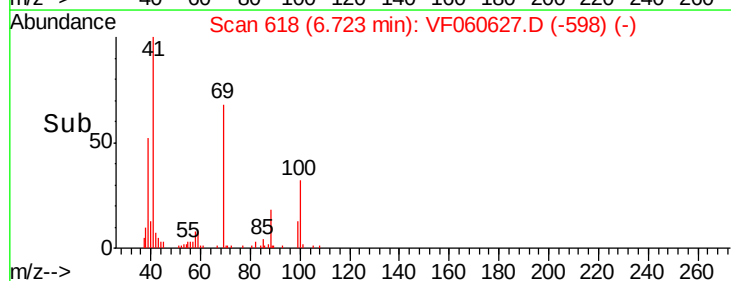
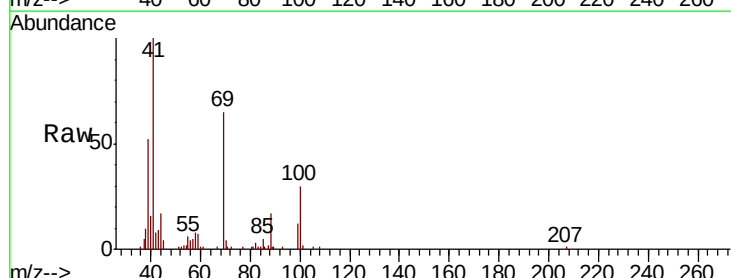
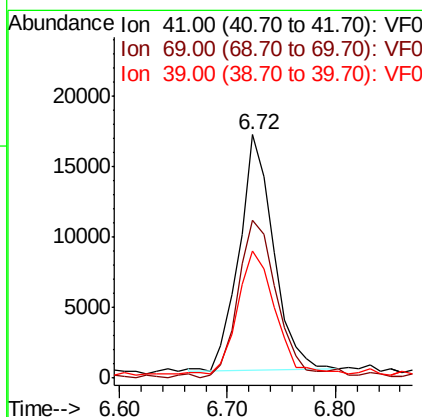
RT: 6.72 min Scan# 618

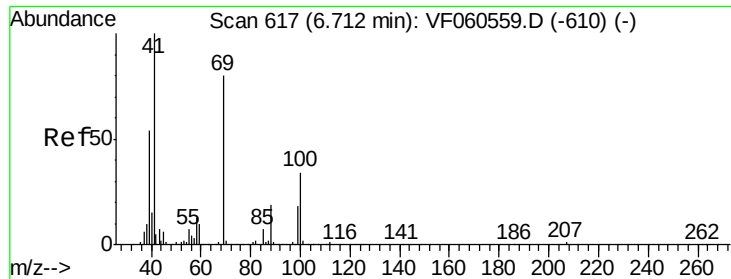
Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	41	Resp:	37012
Ion	Ratio	Lower	Upper
41	100		
69	64.9	61.1	91.7
39	52.3	43.0	64.6





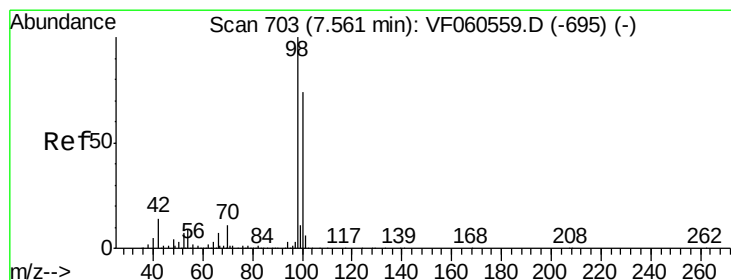
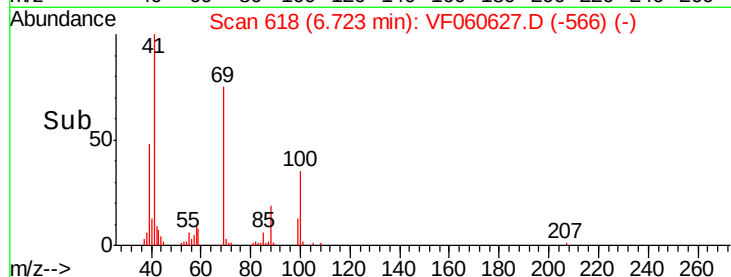
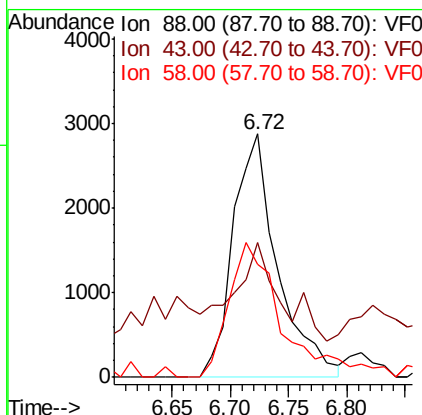
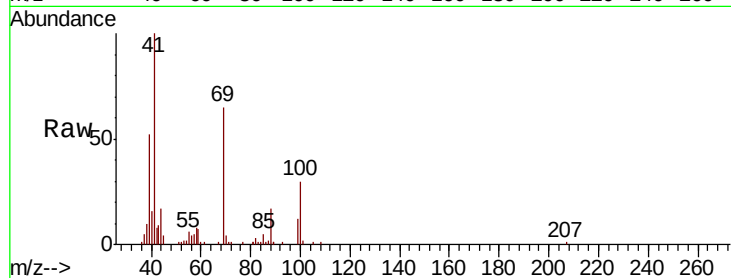
#49
1,4-Dioxane
Concen: 346.126 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.4	61.2	91.8#
58	46.4	56.9	85.3#

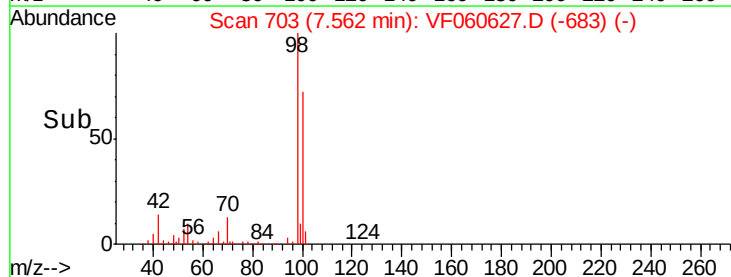
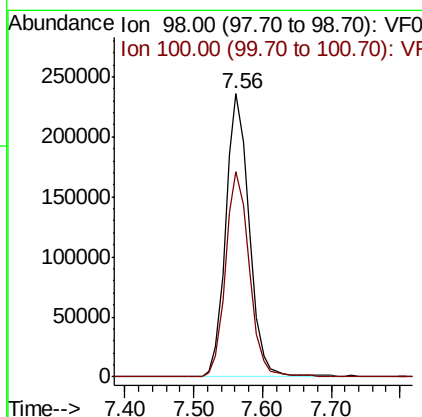
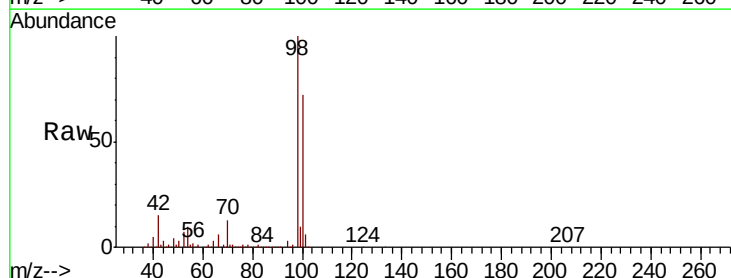
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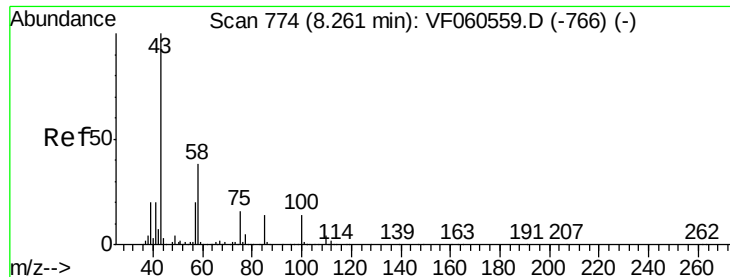
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#50
Toluene-d8
Concen: 48.677 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.4	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 95.707 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 43 Resp: 215848

Ion Ratio Lower Upper

43 100

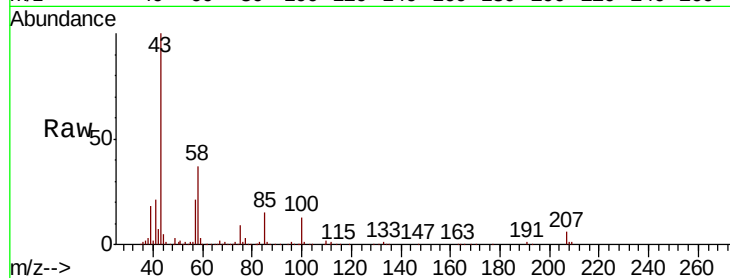
58 37.5 30.1 45.1

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

100000

80000

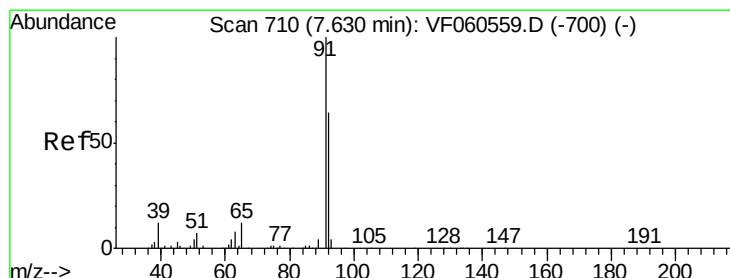
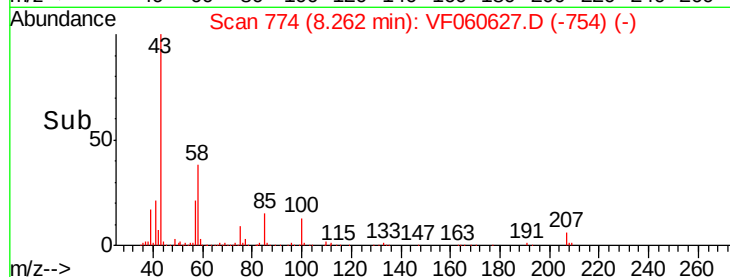
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 18.338 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060627.D

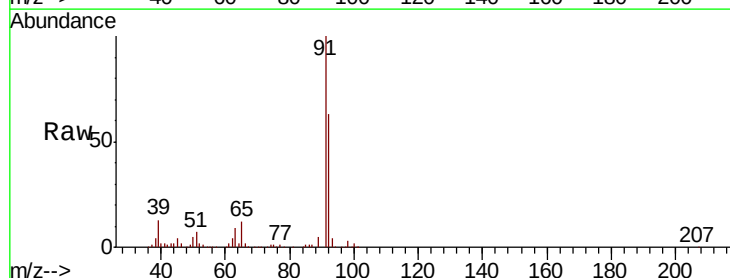
Acq: 7 Nov 2018 13:52

Tgt Ion: 92 Resp: 160156

Ion Ratio Lower Upper

92 100

91 158.0 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

120000

100000

80000

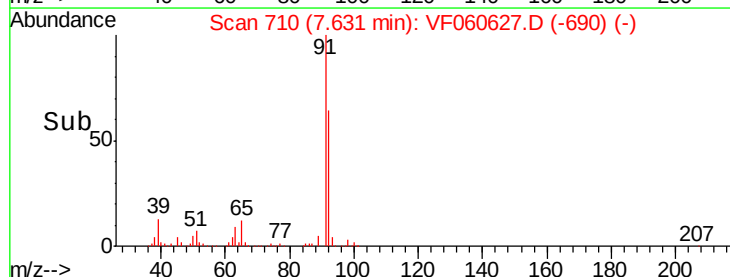
60000

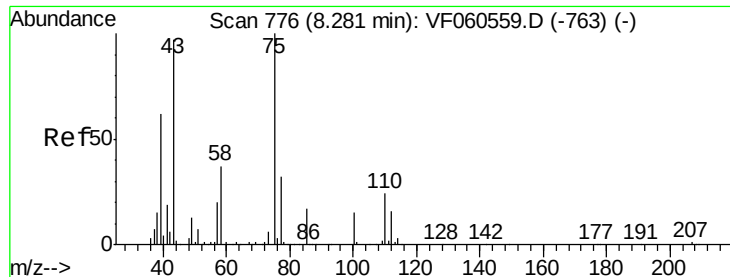
40000

20000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 19.548 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampled :

VF1107SBS01

Tot Ion: 75 Resp: 89144

Ion Ratio Lower Upper

75 100

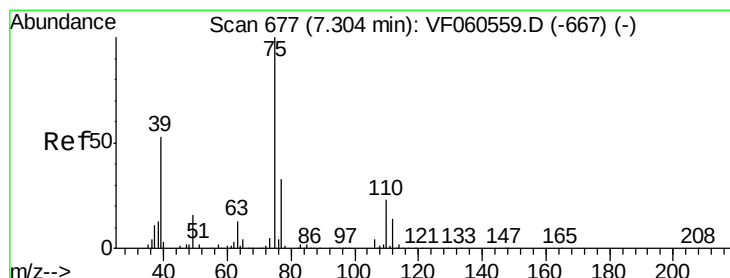
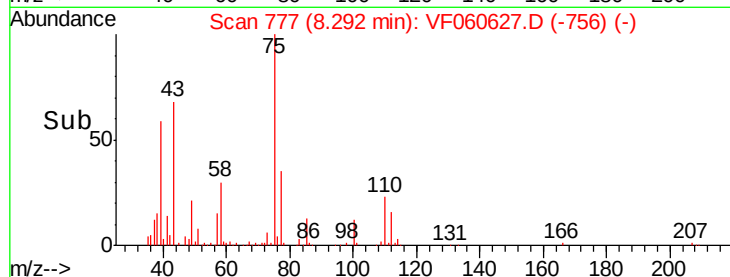
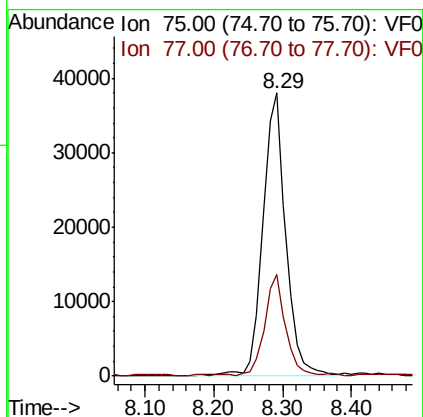
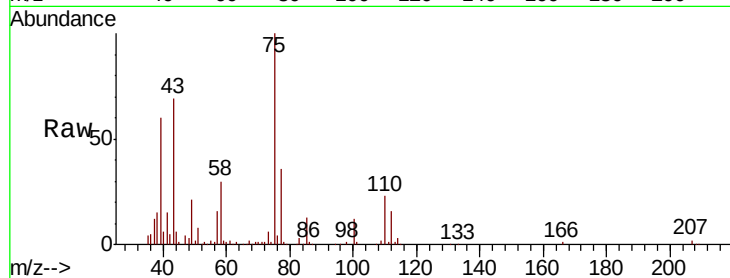
77 35.8 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.751 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

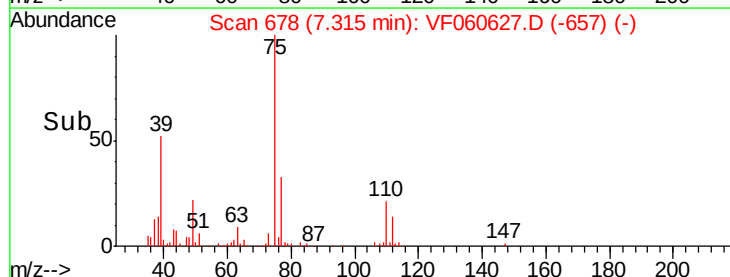
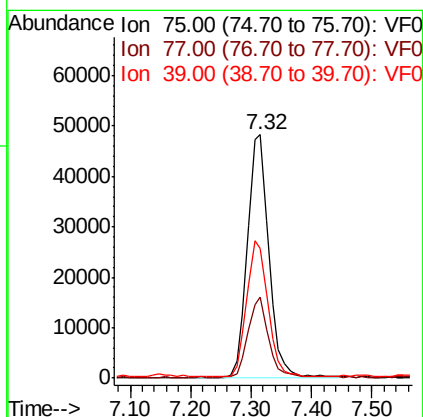
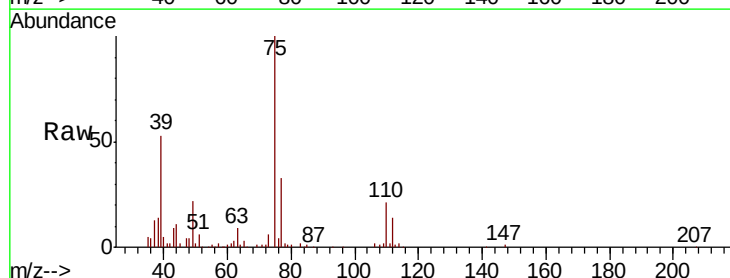
Tgt Ion: 75 Resp: 119563

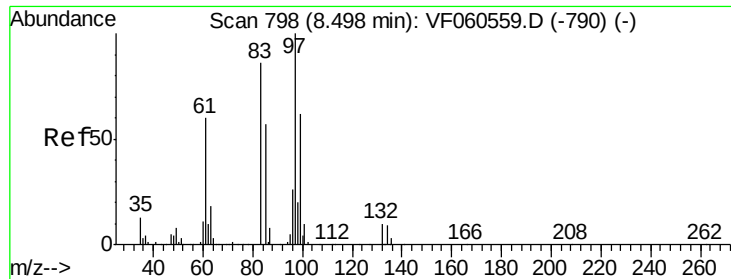
Ion Ratio Lower Upper

75 100

77 33.4 26.7 40.1

39 53.2 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 19.678 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

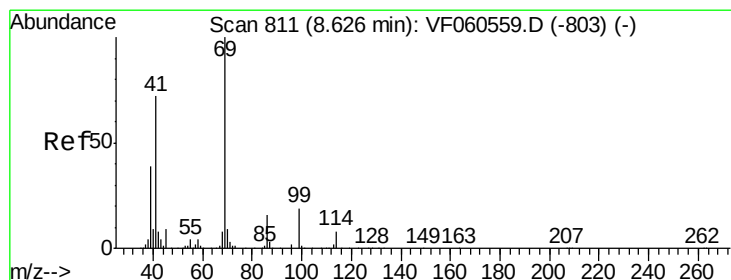
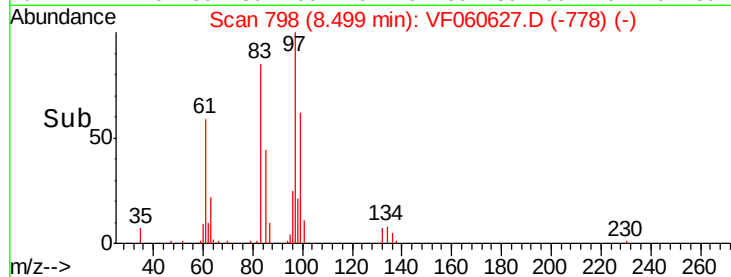
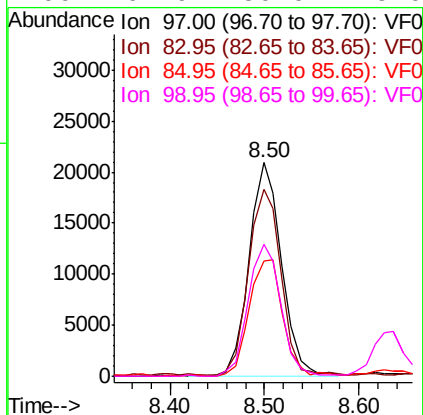
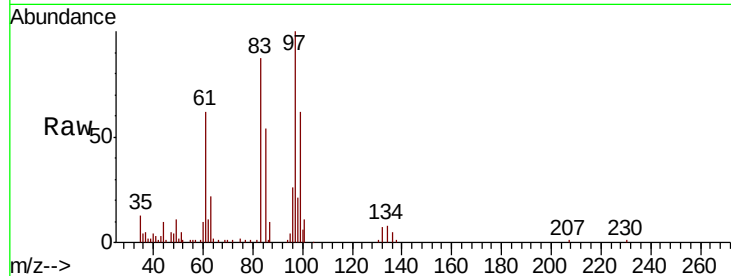
ClientSampleId :

VF1107SBS01

Tot Ion:	97	Resp:	50009
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.4	104.0
85	54.0	46.6	69.8
99	61.9	50.0	75.0

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#56

Ethyl methacrylate

Concen: 18.503 ug/l

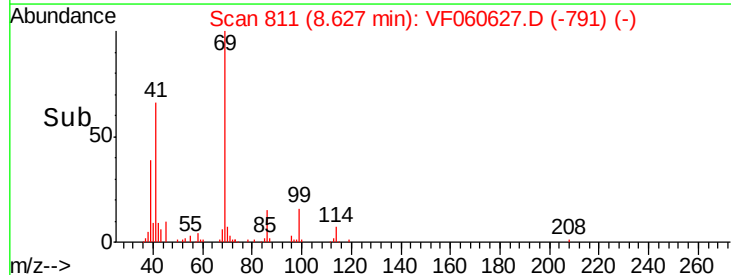
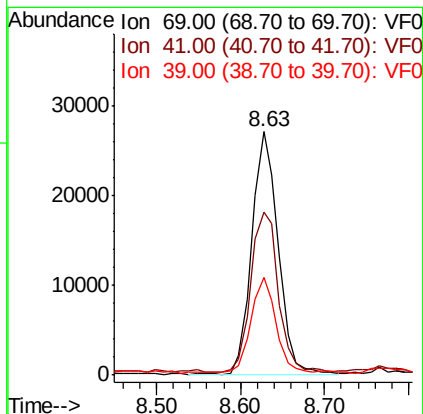
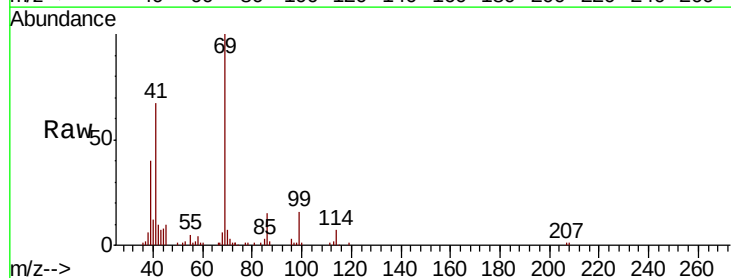
RT: 8.63 min Scan# 811

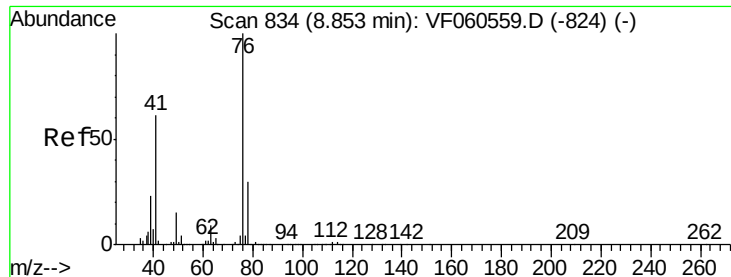
Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	69	Resp:	60501
Ion	Ratio	Lower	Upper
69	100		
41	67.0	59.2	88.8
39	40.2	32.3	48.5





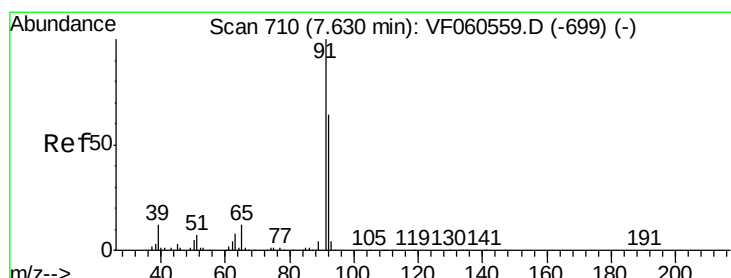
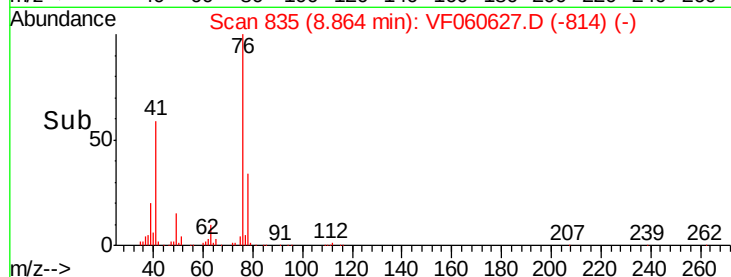
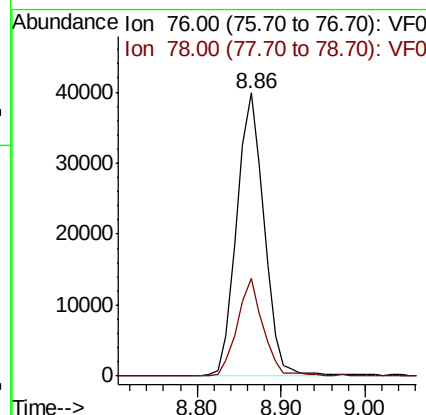
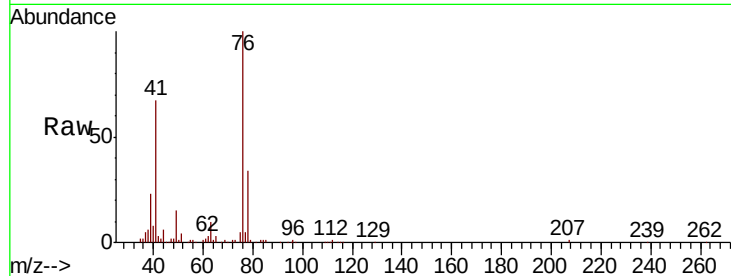
#57
 1,3-Dichloropropane
 Concen: 20.368 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	24.2	36.4

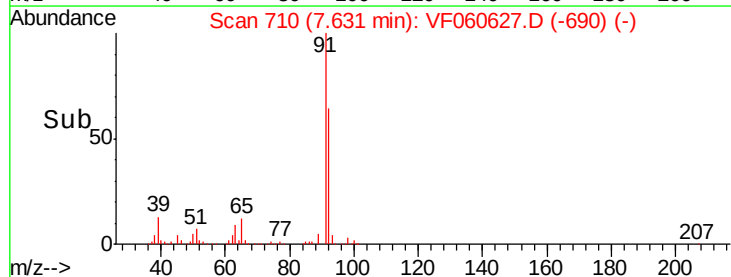
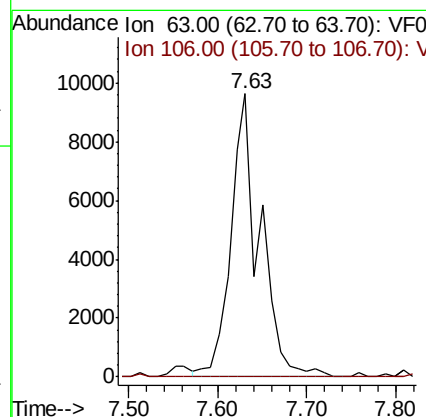
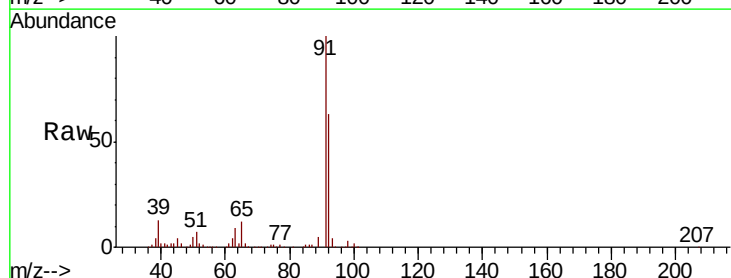
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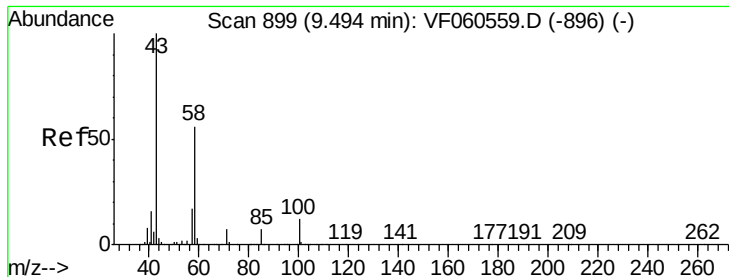
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.737 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





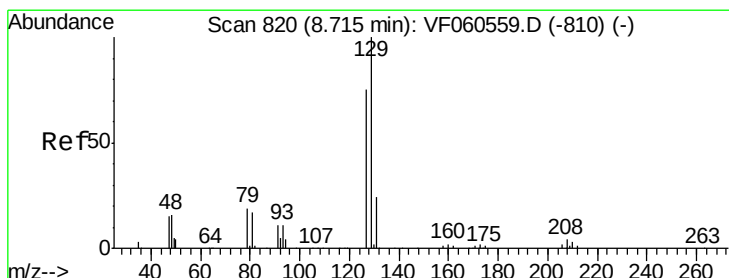
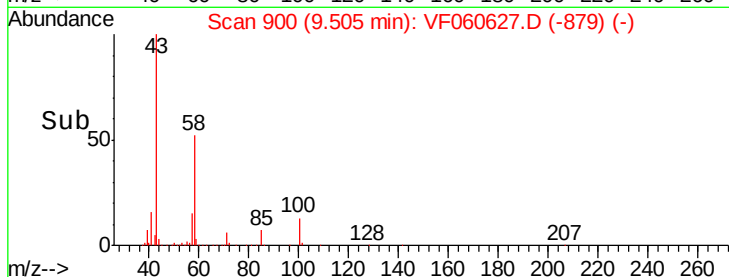
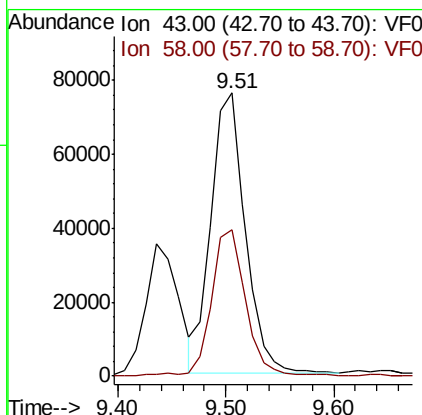
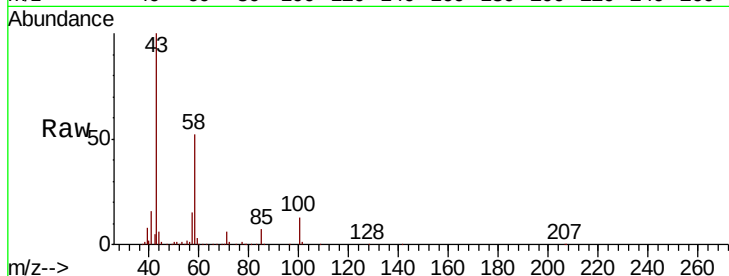
#59
2-Hexanone
Concen: 95.949 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion: 43 Resp: 166847
Ion Ratio Lower Upper
43 100
58 51.6 26.1 78.3

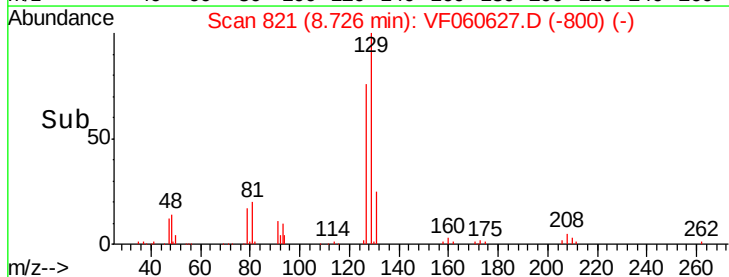
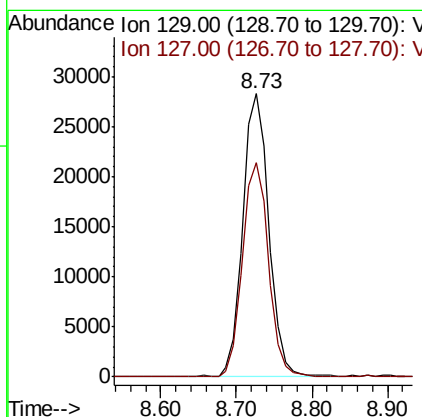
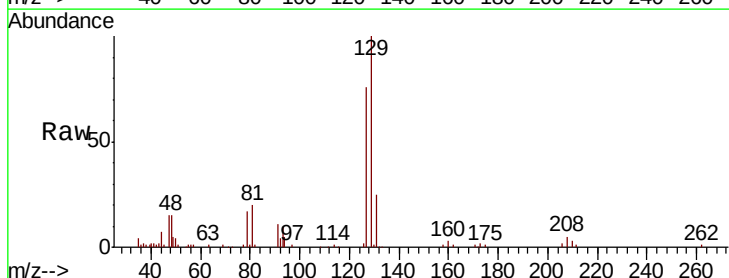
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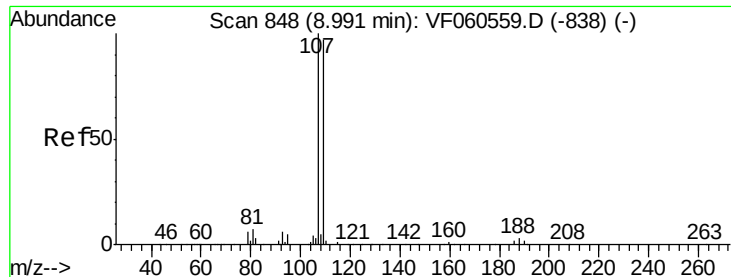
apatel
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#60
Dibromochloromethane
Concen: 19.060 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion: 129 Resp: 67745
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.3





#61

1,2-Dibromoethane

Concen: 20.404 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:107 Resp: 54530

Ion Ratio Lower Upper

107 100

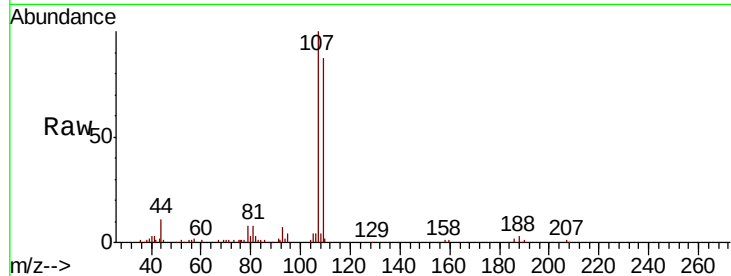
109 87.0 77.5 116.3

Manual Integrations

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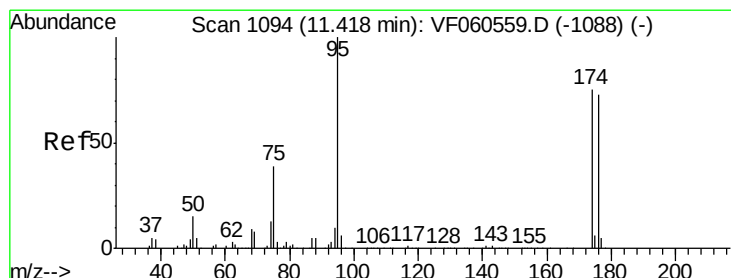
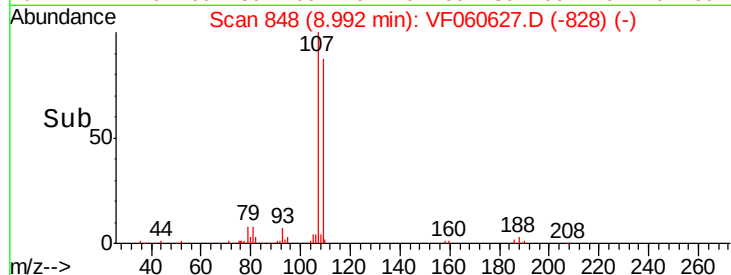
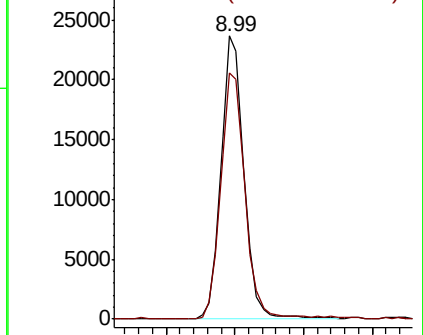
apatel

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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: 50.895 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

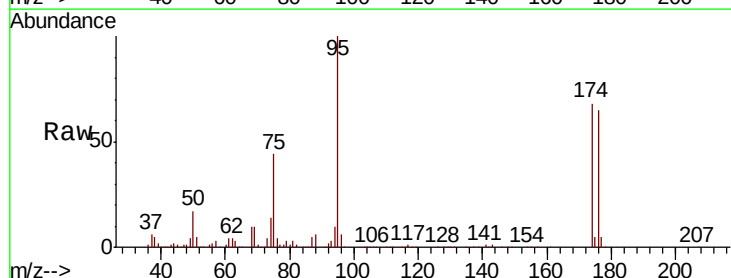
Tgt Ion: 95 Resp: 255586

Ion Ratio Lower Upper

95 100

174 68.0 0.0 149.0

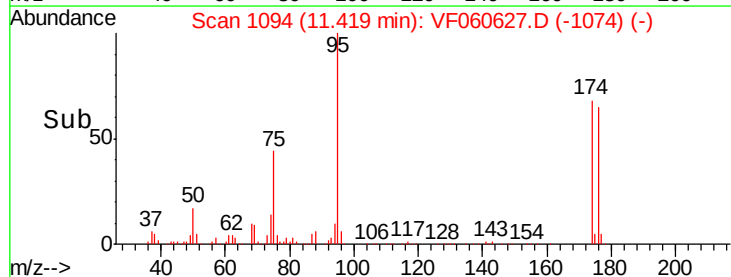
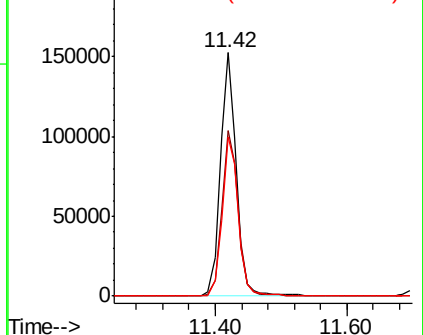
176 65.1 0.0 145.6

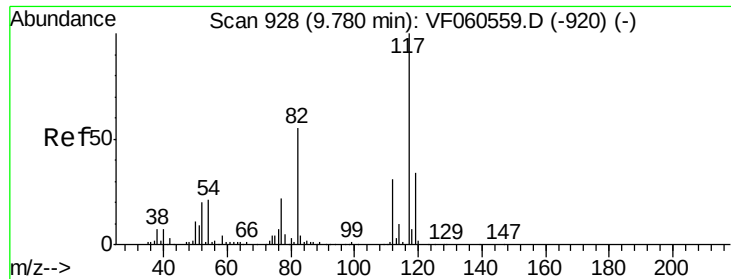


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





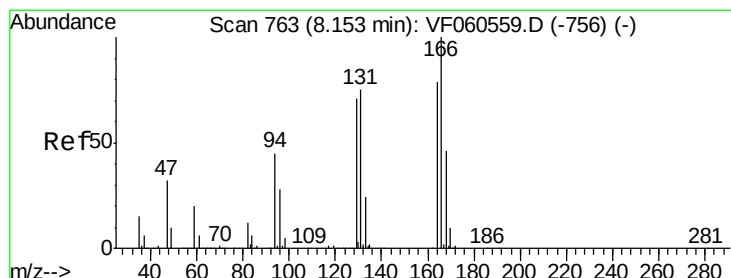
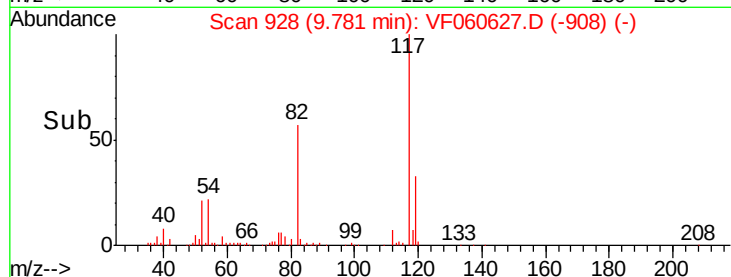
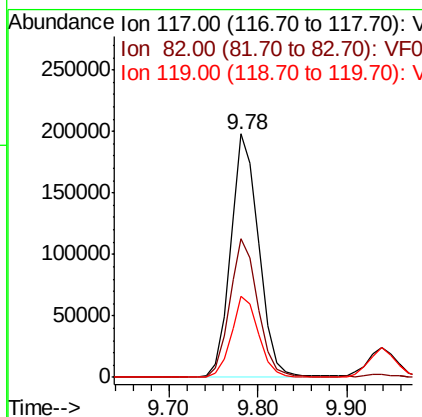
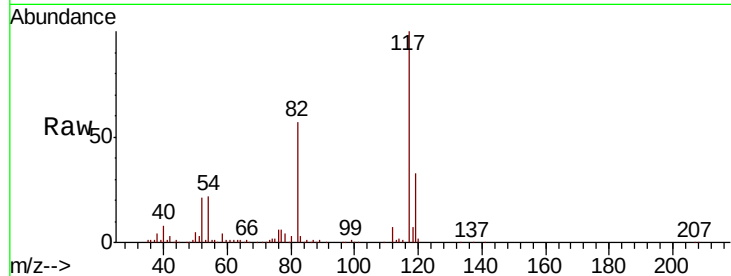
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	439070		
82	56.8		43.9	65.9
119	33.1		27.4	41.0

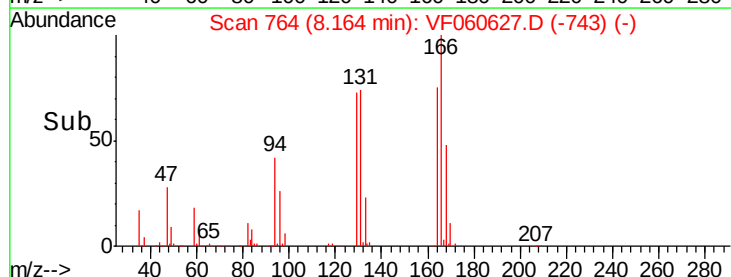
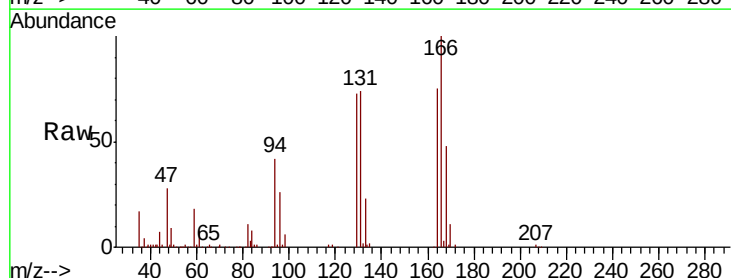
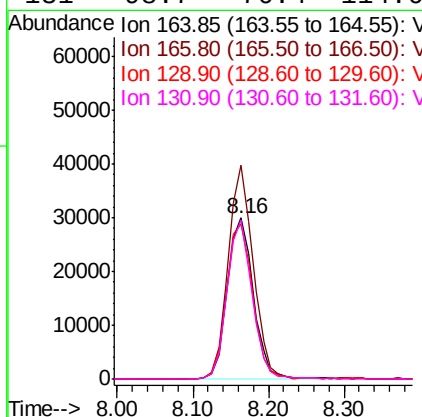
Manual Integrations
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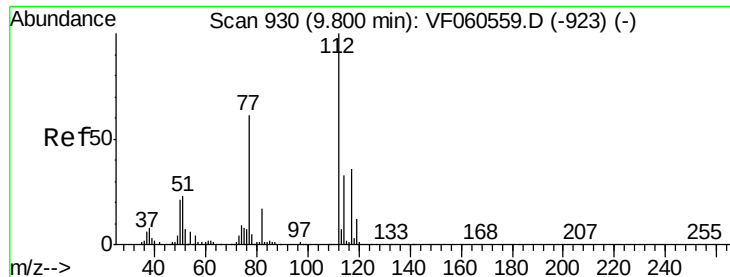
apatel
11/8/2018 10:28:35 AM



#64
Tetrachloroethene
Concen: 20.758 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71428		
166	132.8		101.5	152.3
129	96.3		72.5	108.7
131	98.7		76.4	114.6





#65

Chlorobenzene

Concen: 20.654 ug/l

RT: 9.81 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:112 Resp: 185448

Ion Ratio Lower Upper

112 100

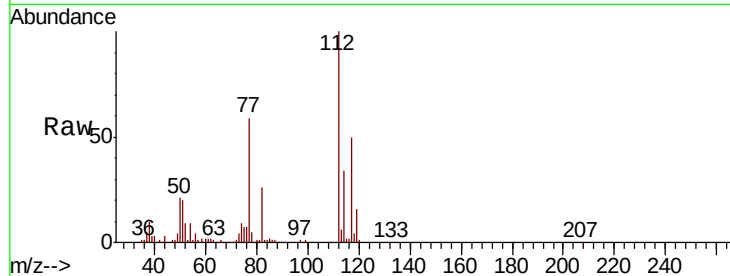
114 34.4 26.6 40.0

Manual Integrations

APPROVED

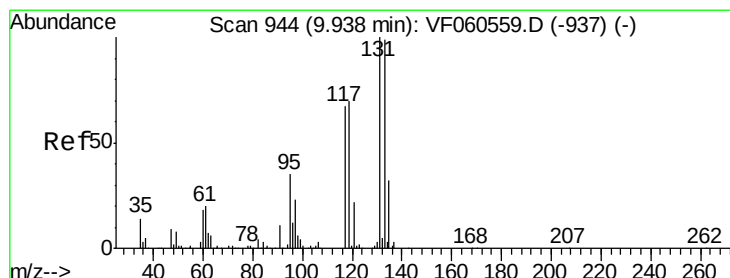
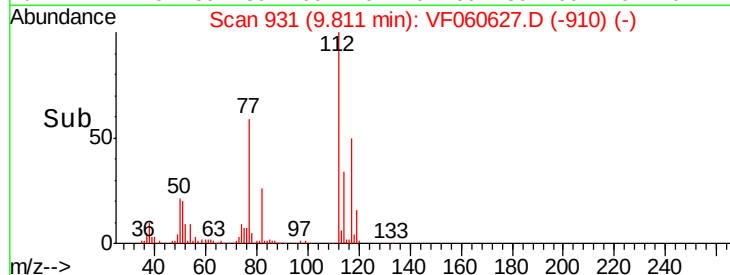
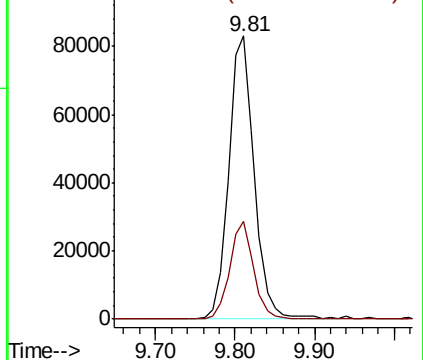
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.775 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

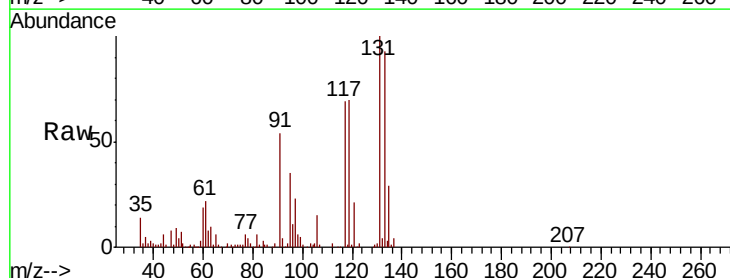
Tgt Ion:131 Resp: 78820

Ion Ratio Lower Upper

131 100

133 93.3 49.5 148.7

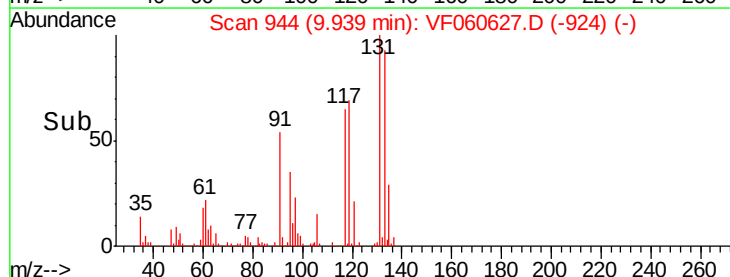
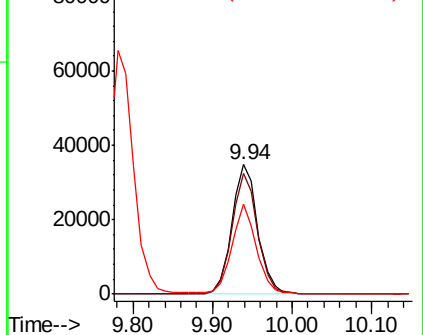
119 69.8 35.2 105.6

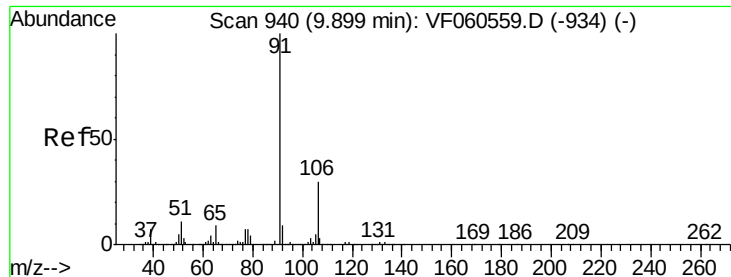


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





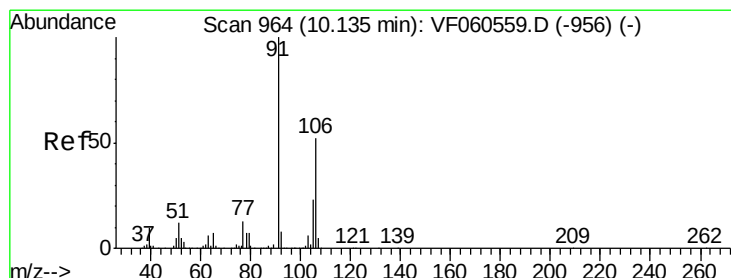
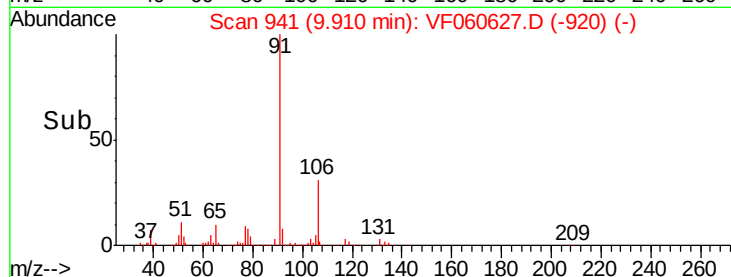
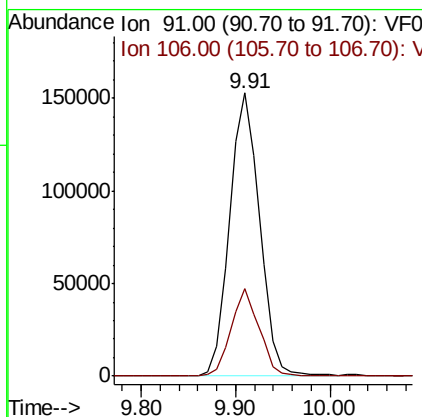
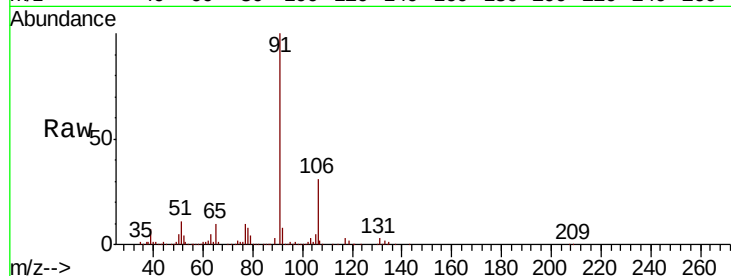
#67
Ethyl Benzene
Concen: 20.609 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	91	Resp	335806
Ion Ratio	100	Lower	Upper
106	30.9	24.2	36.4

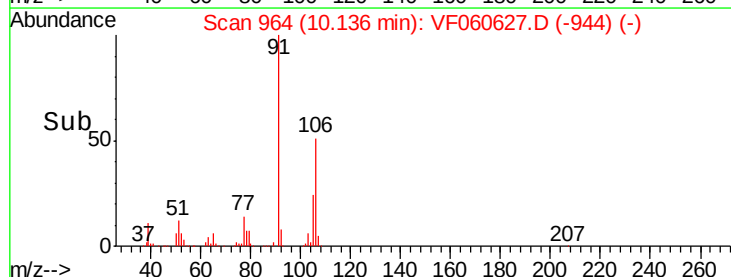
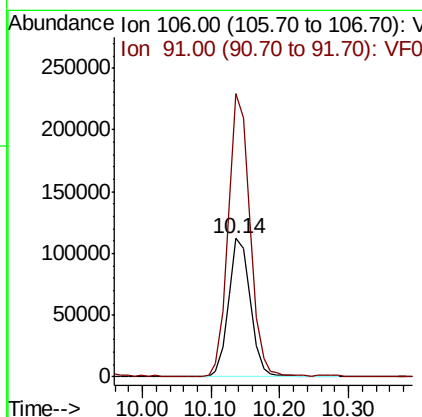
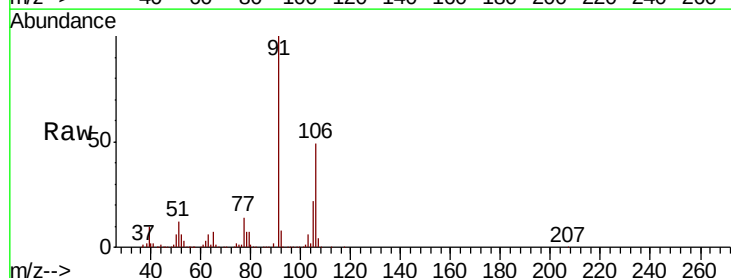
Manual Integrations
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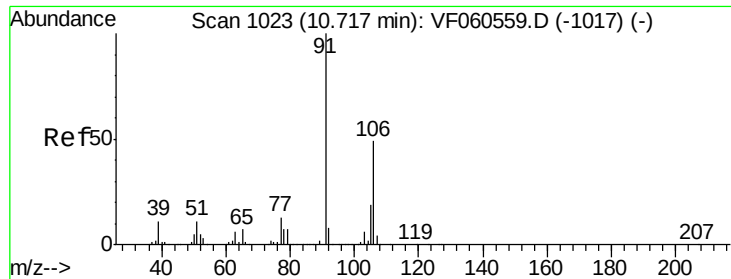
apatel
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#68
m/p-Xylenes
Concen: 40.117 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	106	Resp	246231
Ion Ratio	100	Lower	Upper
91	204.8	153.9	230.9





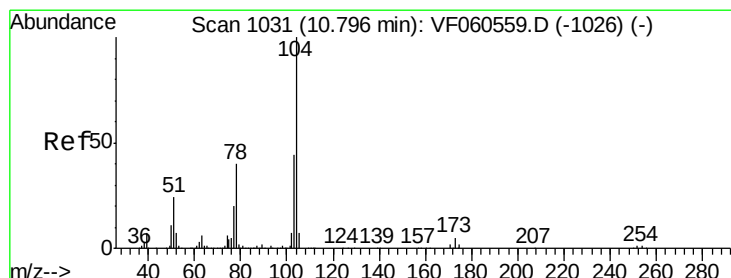
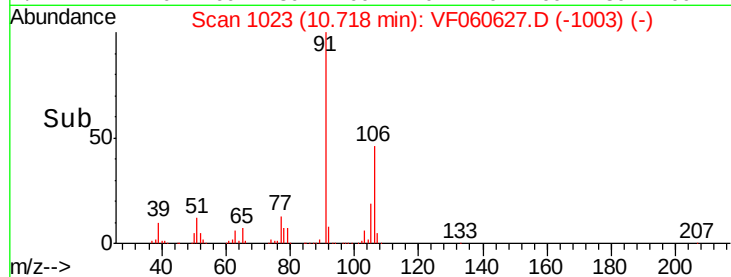
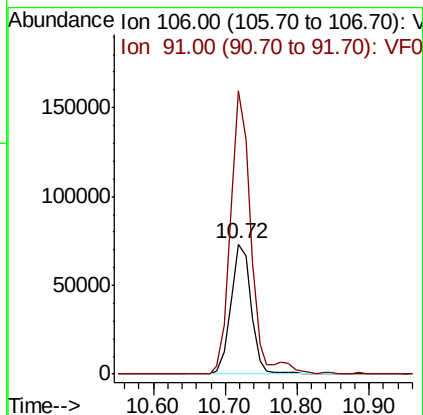
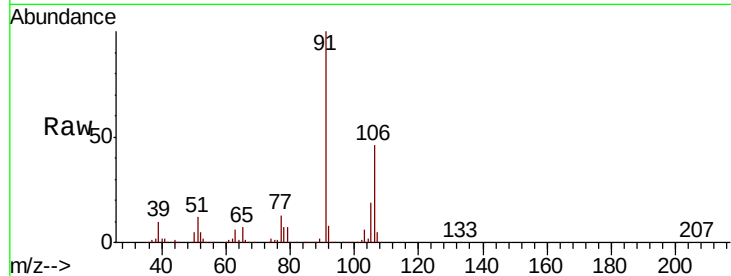
#69
o-Xylene
Concen: 21.635 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.8	101.8	305.3

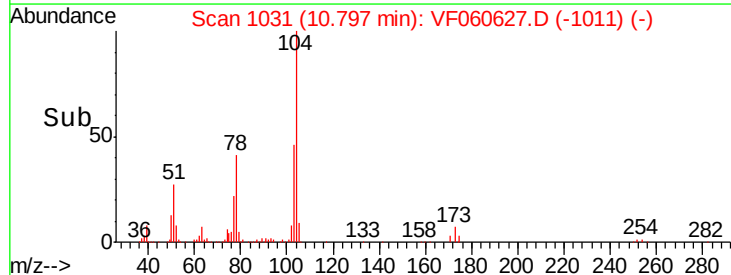
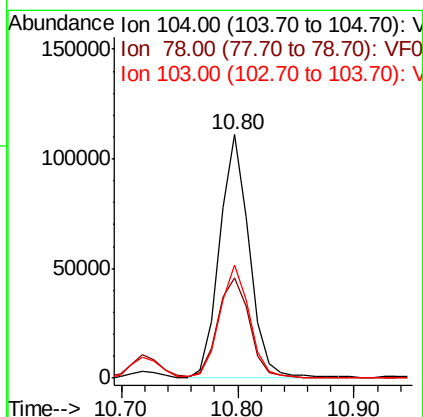
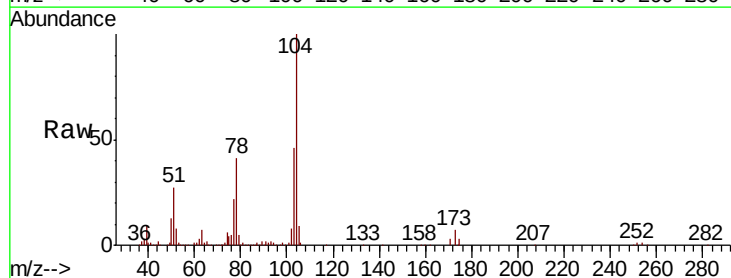
Manual Integrations
APPROVED

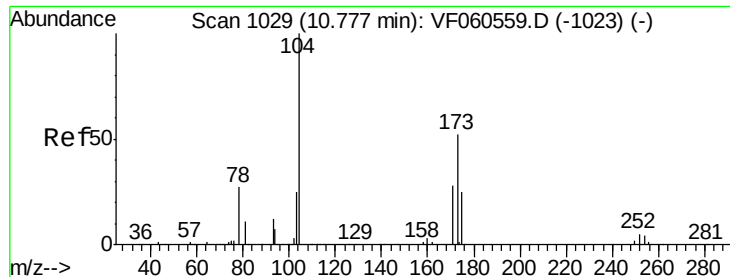
apatel
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#70
Styrene
Concen: 20.023 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.1	32.6	49.0
103	46.3	35.2	52.8





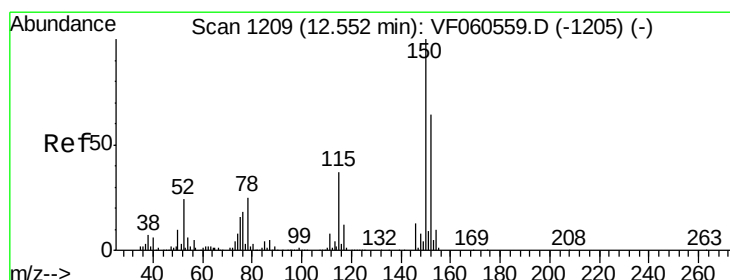
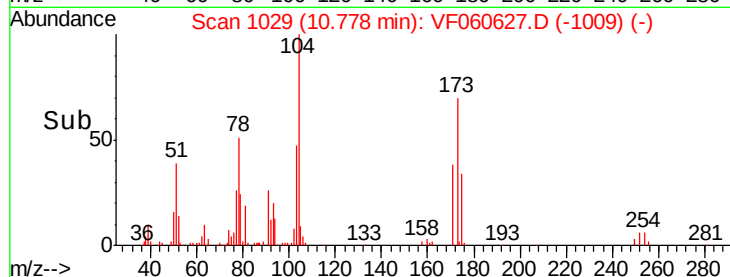
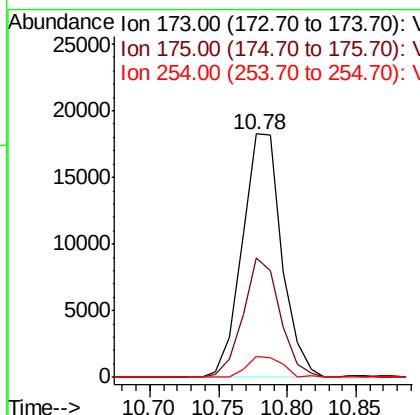
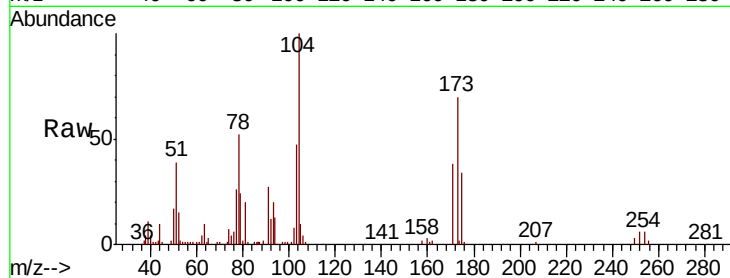
#71
Bromoform
Concen: 18.662 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	8.7	6.7	10.1

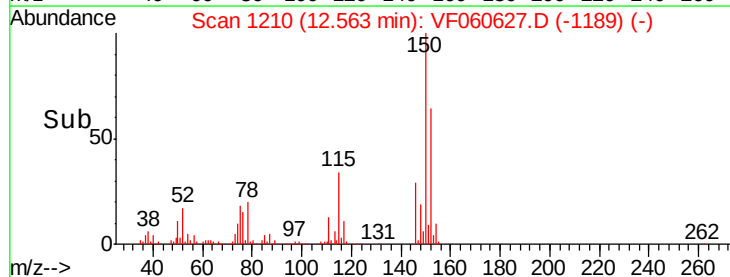
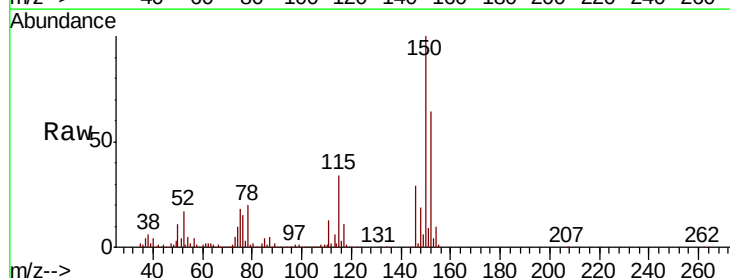
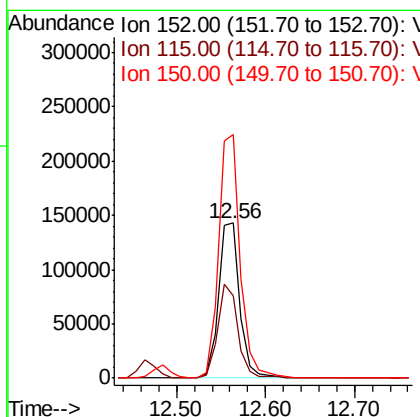
Manual Integrations
APPROVED

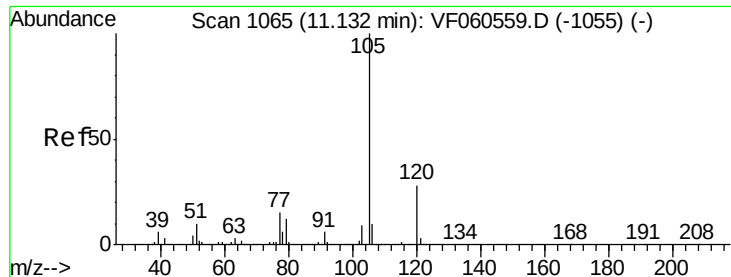
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	29.6	88.8
150	157.0	0.0	315.6





#73

Isopropylbenzene

Concen: 21.327 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:105 Resp: 400467

Ion Ratio Lower Upper

105 100

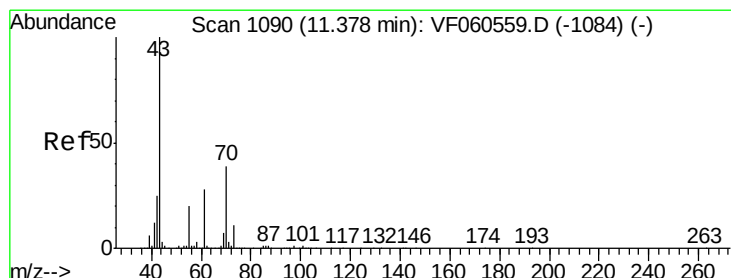
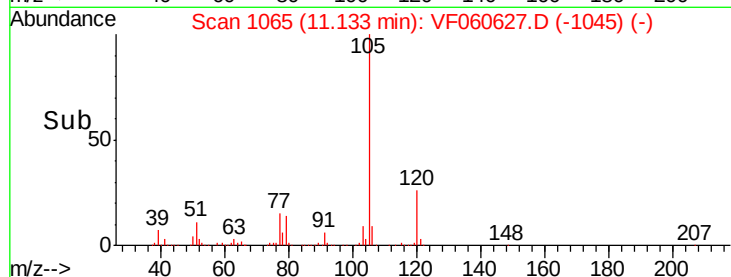
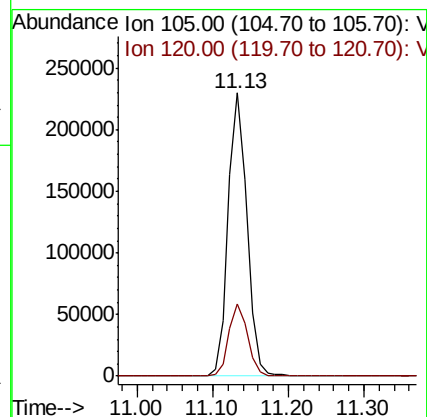
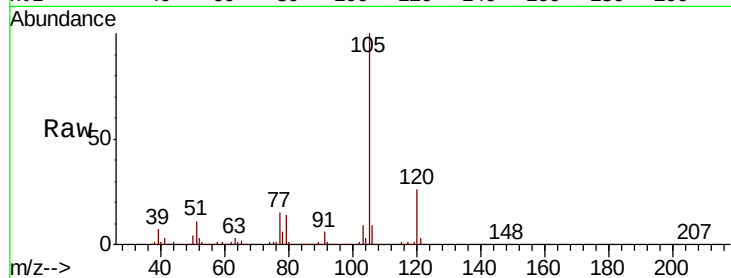
120 25.7 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.505 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion: 43 Resp: 98716

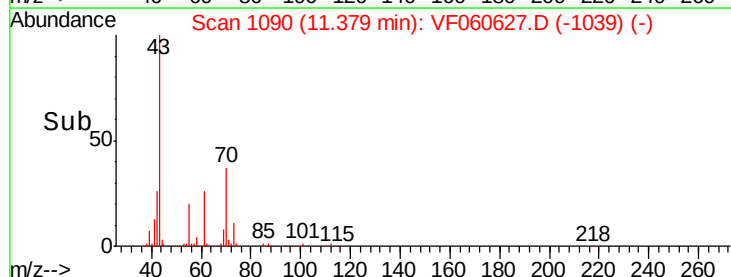
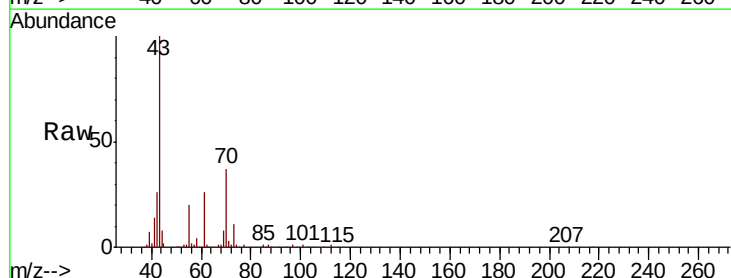
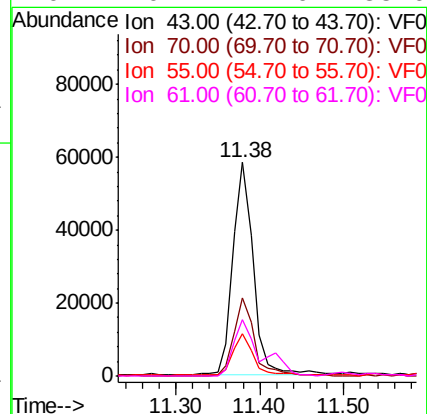
Ion Ratio Lower Upper

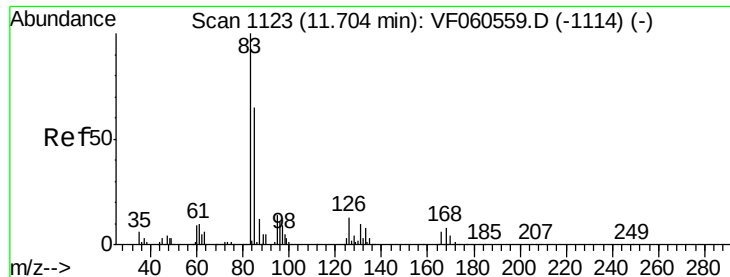
43 100

70 36.8 30.9 46.3

55 20.1 16.6 24.8

61 26.2 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.491 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

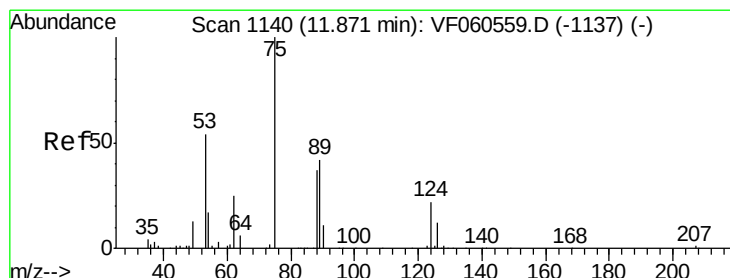
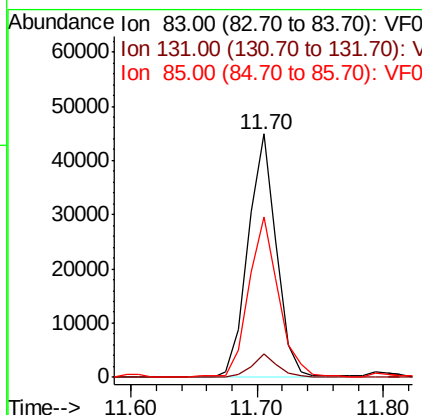
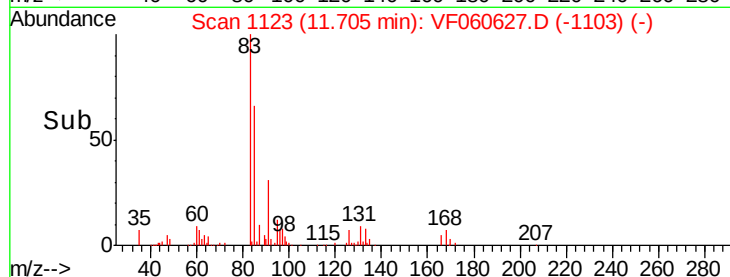
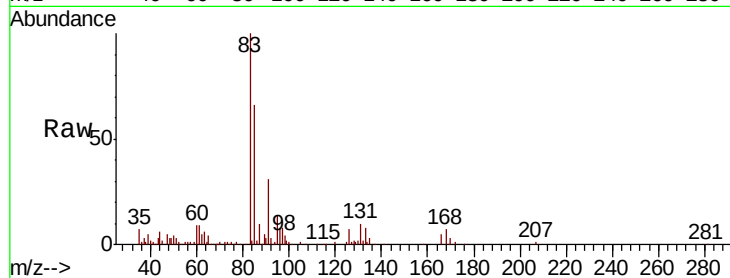
ClientSampleId :

VF1107SBS01

Tot Ion:	83	Resp:	70233
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	66.1	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.130 ug/l

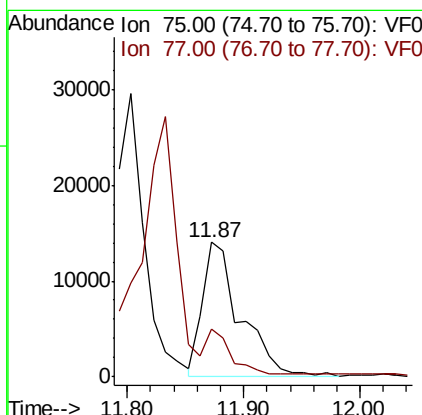
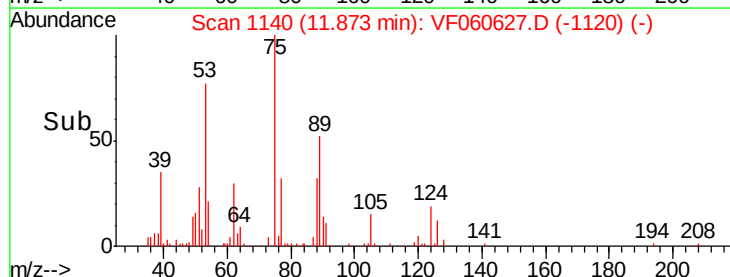
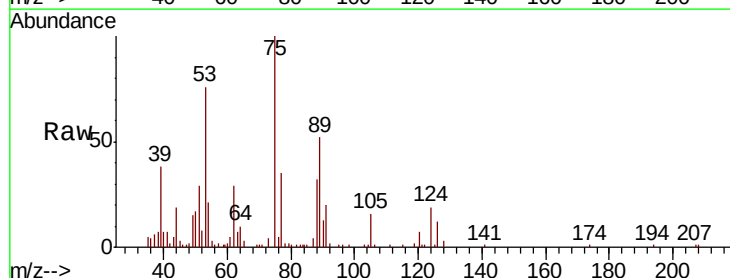
RT: 11.87 min Scan# 1140

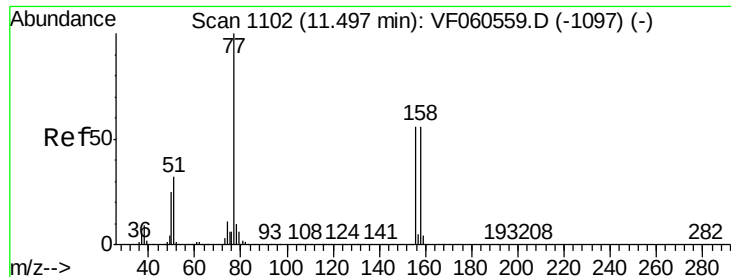
Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	75	Resp:	32223
Ion Ratio	Lower	Upper	
75	100		
77	35.3	17.4	52.3





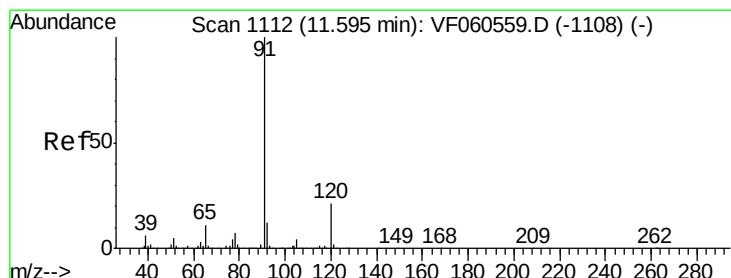
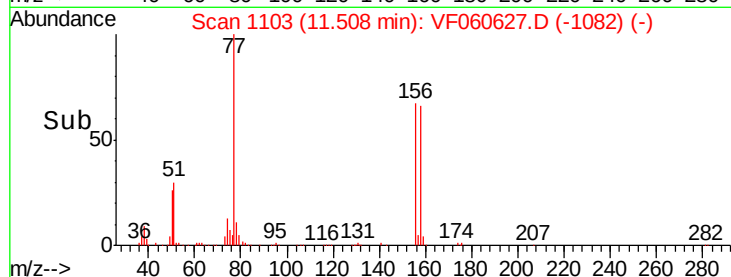
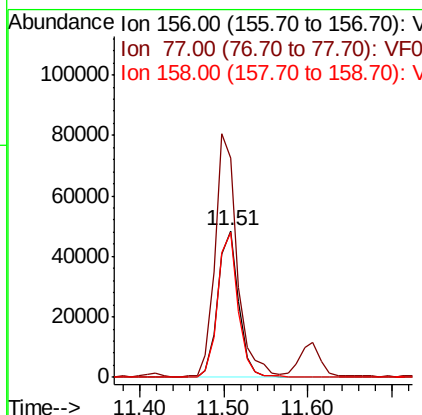
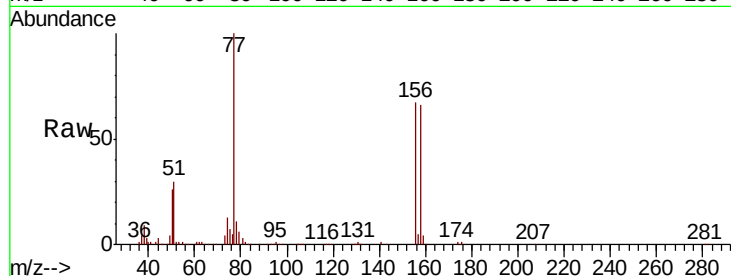
#77
Bromobenzene
Concen: 20.366 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.7	89.3	268.1
158	98.8	50.0	150.1

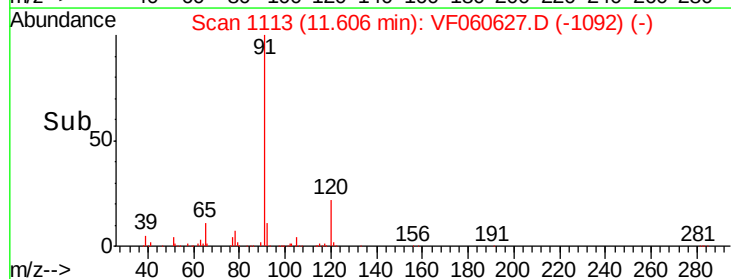
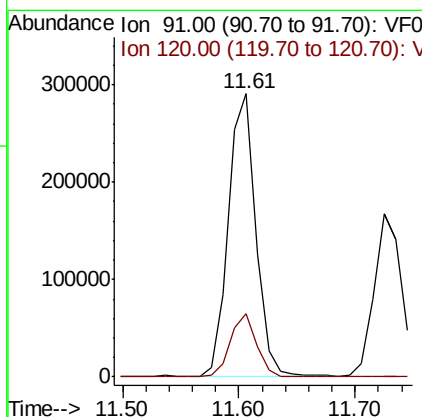
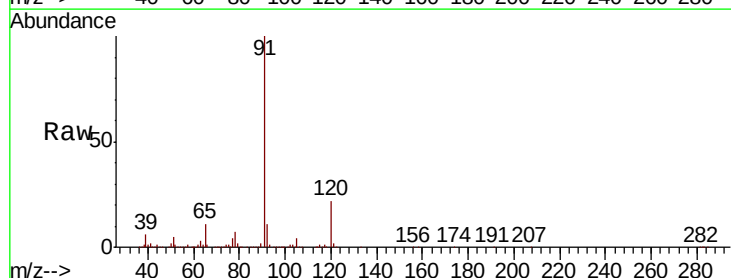
Manual Integrations
APPROVED

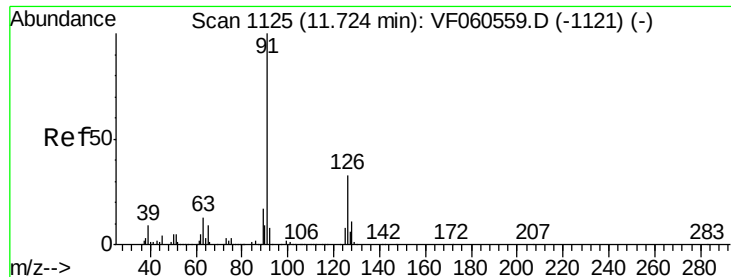
apatel
11/8/2018 10:28:35 AM



#78
n-propylbenzene
Concen: 21.606 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.5	31.6





#79

2-Chlorotoluene

Concen: 21.574 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion: 91 Resp: 270689

Ion Ratio Lower Upper

91 100

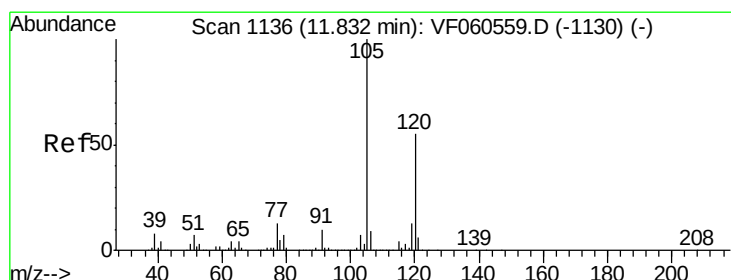
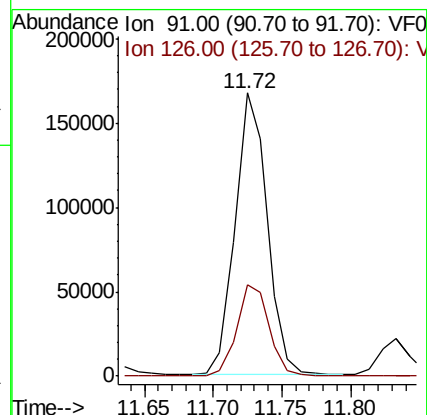
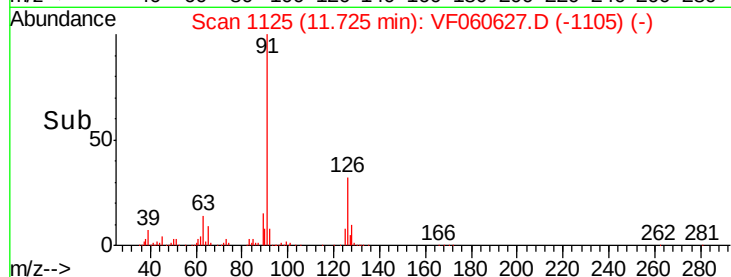
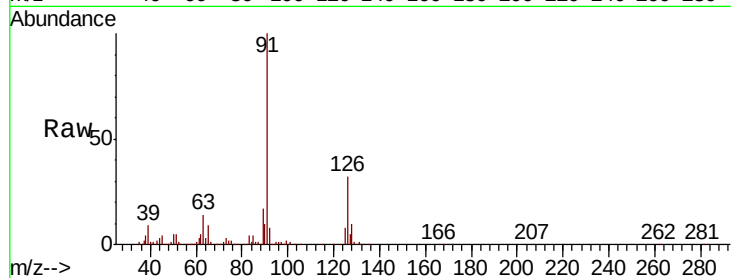
126 32.1 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.546 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060627.D

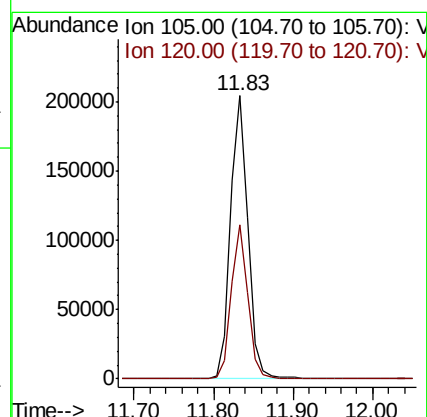
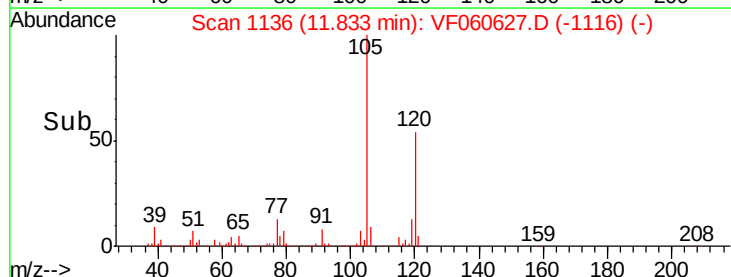
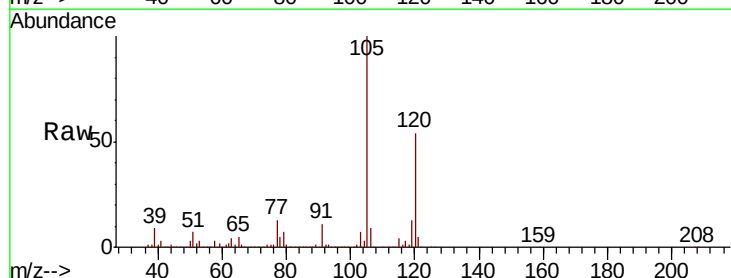
Acq: 7 Nov 2018 13:52

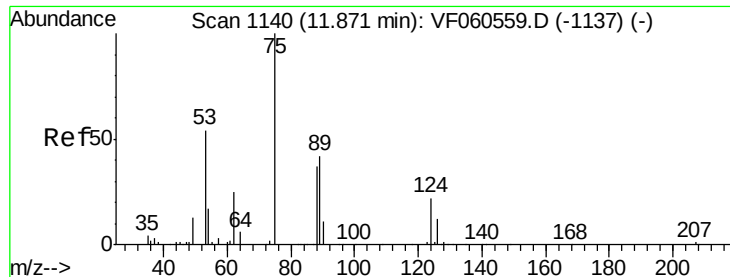
Tgt Ion: 105 Resp: 318012

Ion Ratio Lower Upper

105 100

120 54.3 27.6 82.8





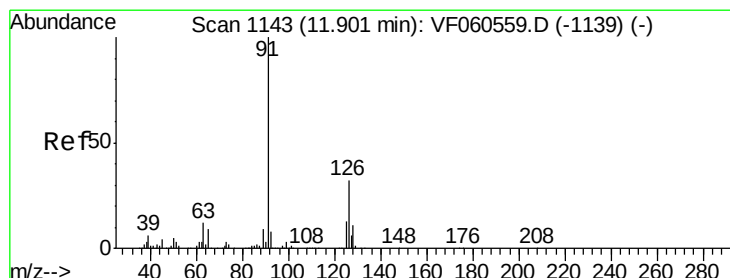
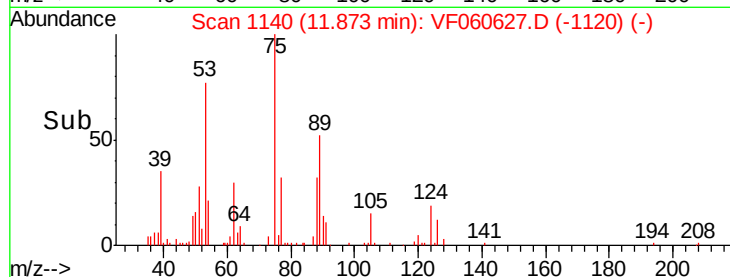
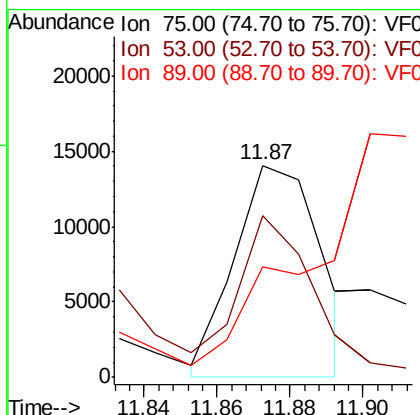
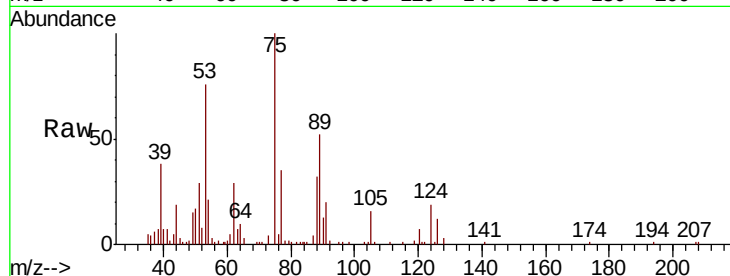
#81
trans-1,4-Dichloro-2-butene
Concen: 17.491 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	76.4	51.6	77.4
89	52.0	36.7	55.1

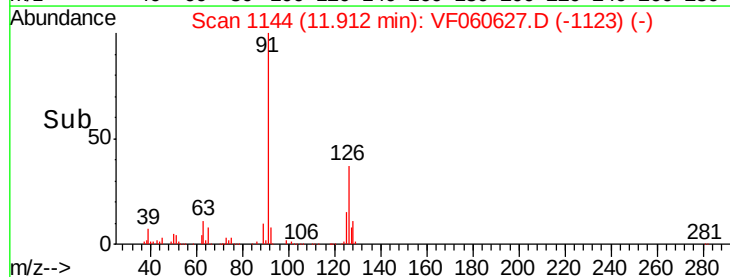
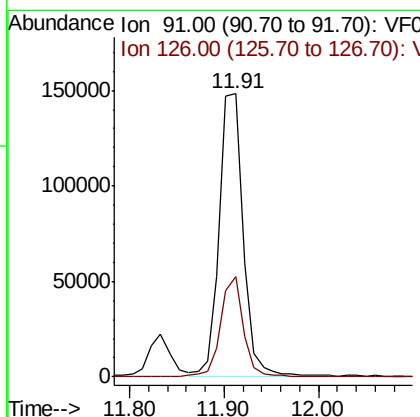
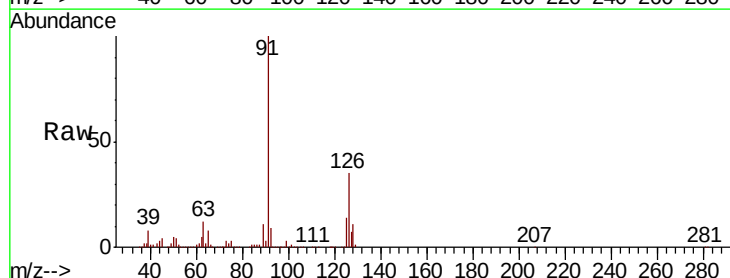
Manual Integrations
APPROVED

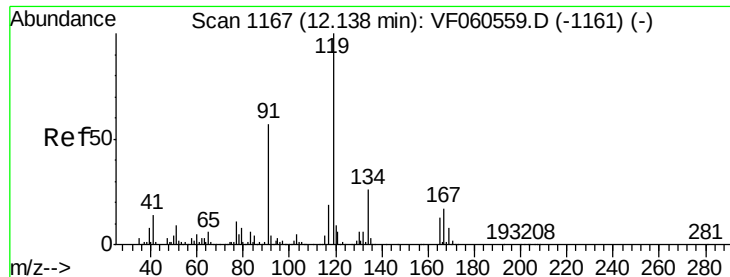
apatel
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#82
4-Chlorotoluene
Concen: 19.786 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	15.9	47.7





#83

tert-Butylbenzene

Concen: 21.508 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

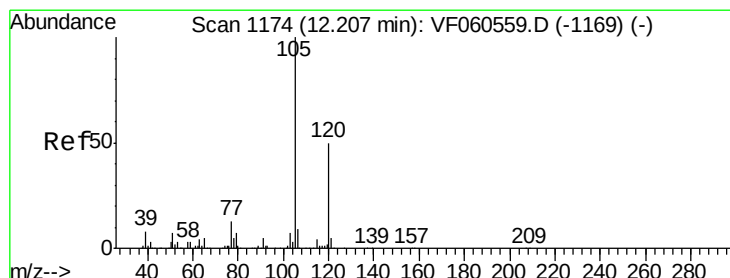
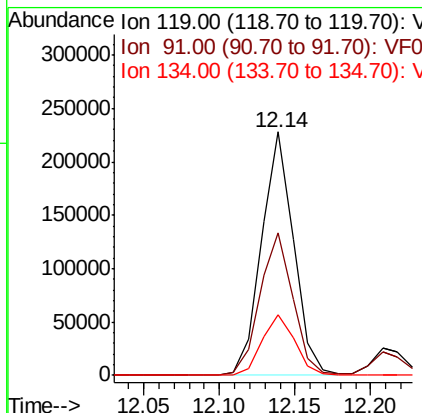
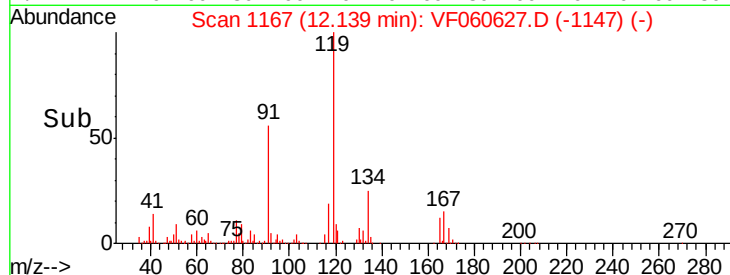
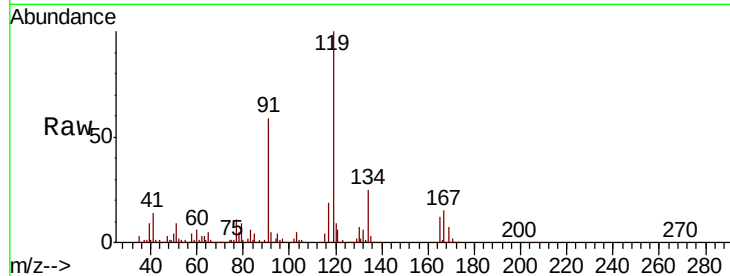
ClientSampleId :

VF1107SBS01

Tot Ion:	119	Resp:	340079
Ion Ratio	Lower	Upper	
119	100		
91	58.6	28.8	86.4
134	25.1	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.948 ug/l

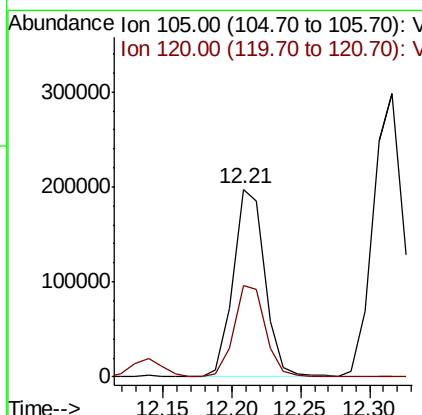
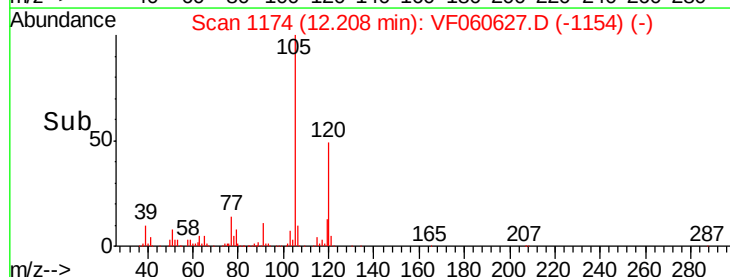
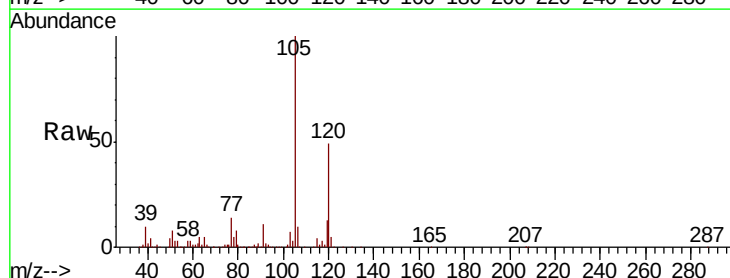
RT: 12.21 min Scan# 1174

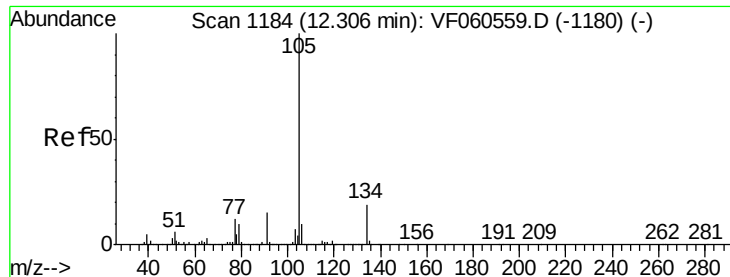
Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	105	Resp:	317518
Ion Ratio	Lower	Upper	
105	100		
120	48.9	25.6	76.8





#85

sec-Butylbenzene

Concen: 21.331 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

ClientSampleId :

VF1107SBS01

Tot Ion:105 Resp: 463974

Ion Ratio Lower Upper

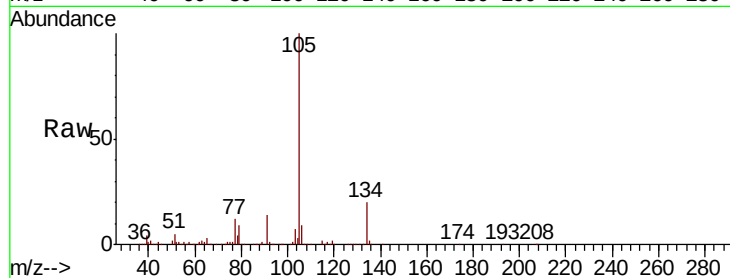
105 100

134 19.5 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.32

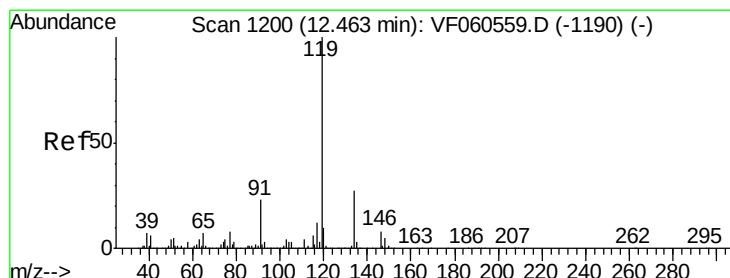
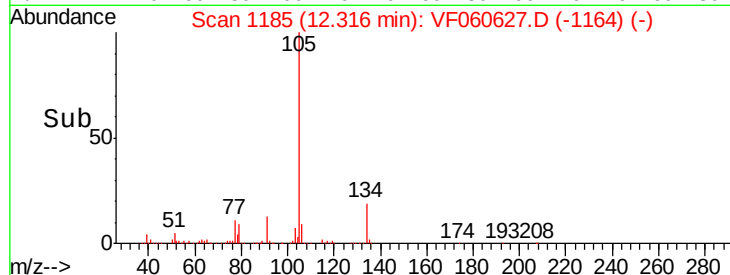
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.834 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

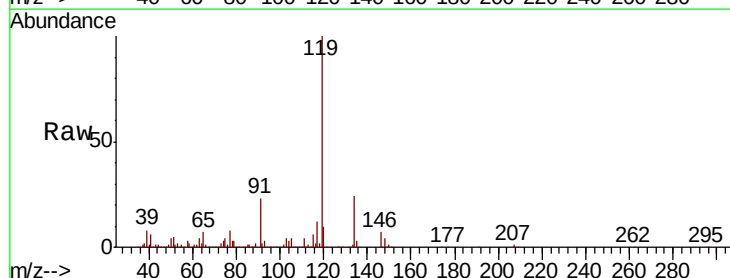
Tgt Ion:119 Resp: 373183

Ion Ratio Lower Upper

119 100

134 24.1 13.6 40.7

91 22.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.46

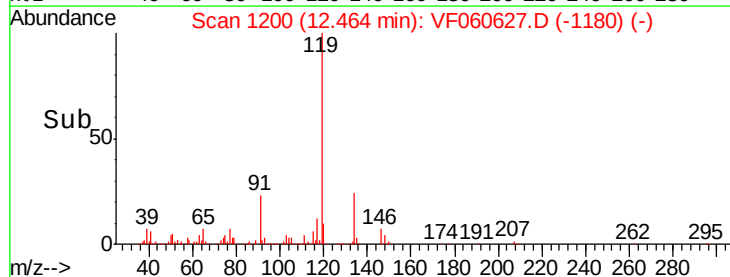
300000

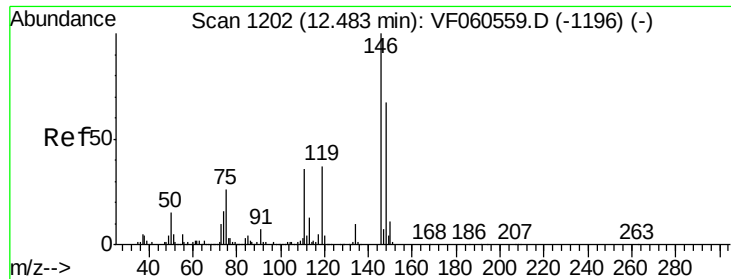
200000

100000

0

Time-->





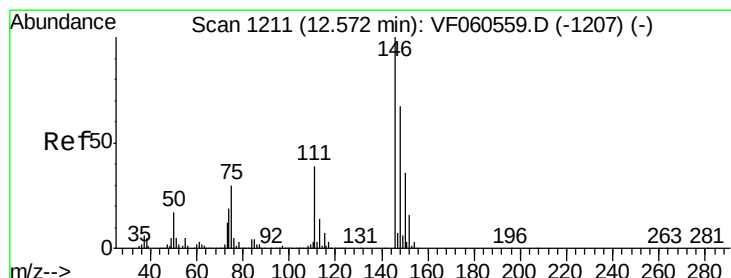
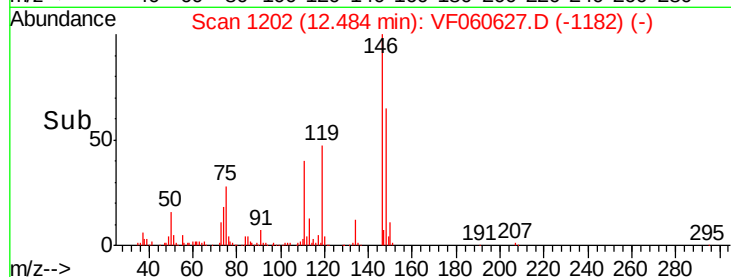
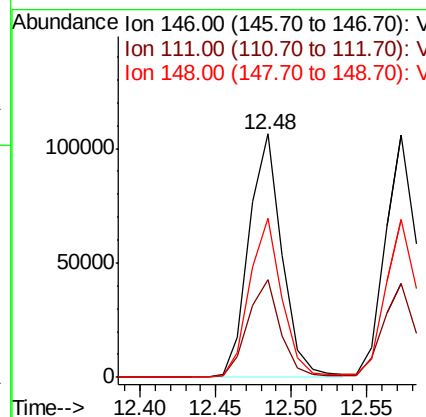
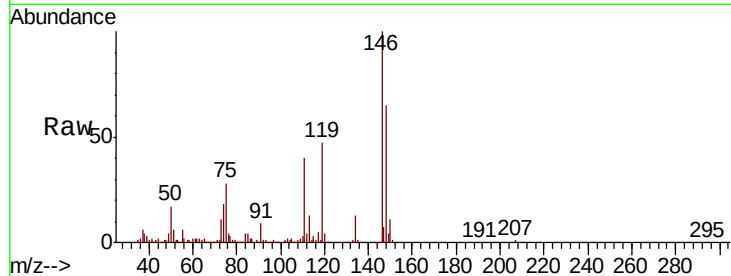
#87
 1,3-Dichlorobenzene
 Concen: 20.115 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.3	54.8
148	65.3	33.5	100.4

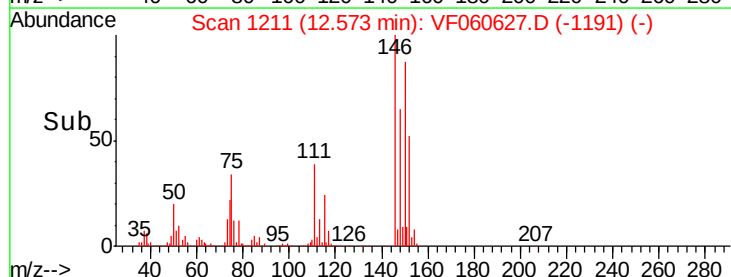
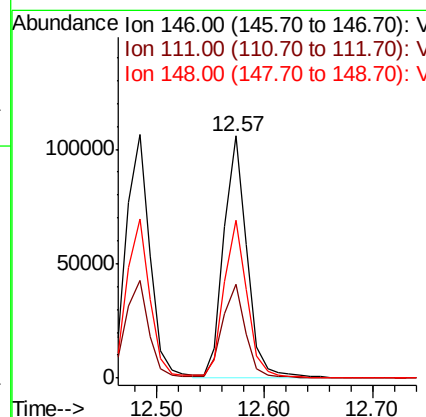
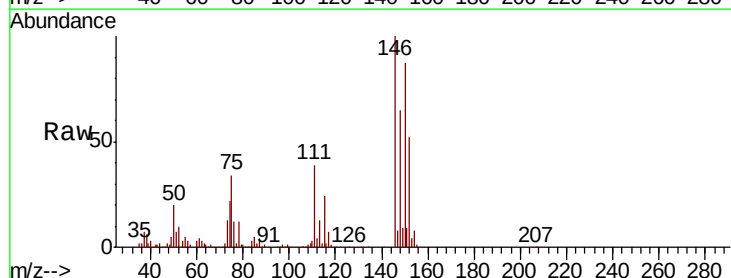
Manual Integrations
 APPROVED

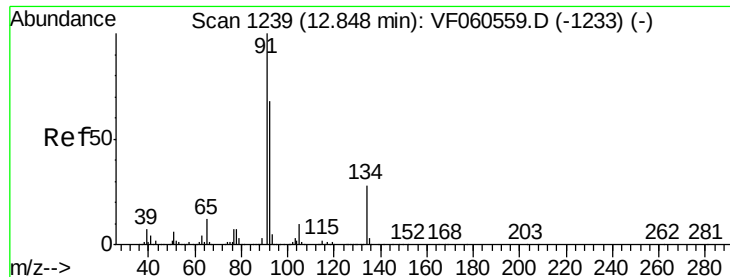
apatel
 11/8/2018 10:28:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.605 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	65.5	33.7	101.1





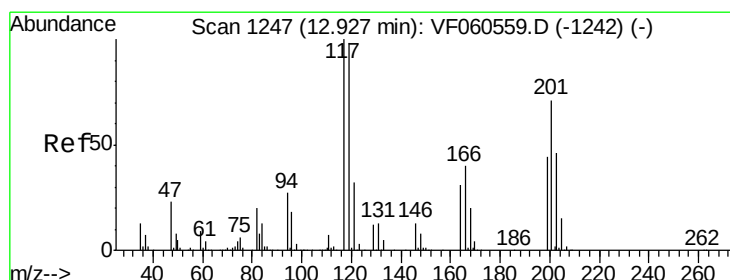
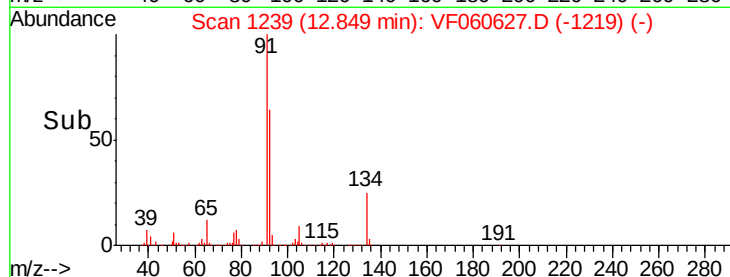
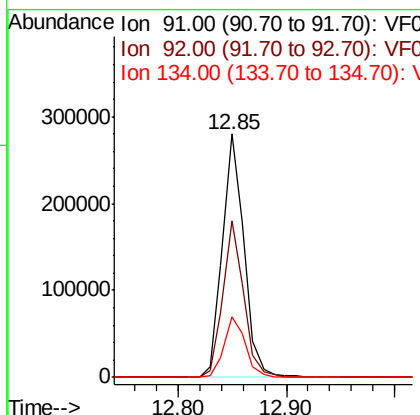
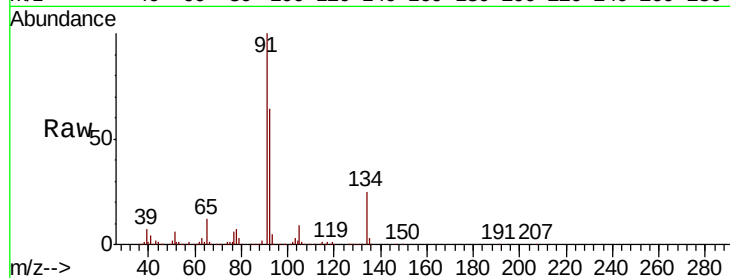
#89
n-Butylbenzene
Concen: 19.897 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Instrument :
MSVOA_F
ClientSampleId :
VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	389906		
92	64.1		34.1	102.2
134	25.1		13.9	41.6

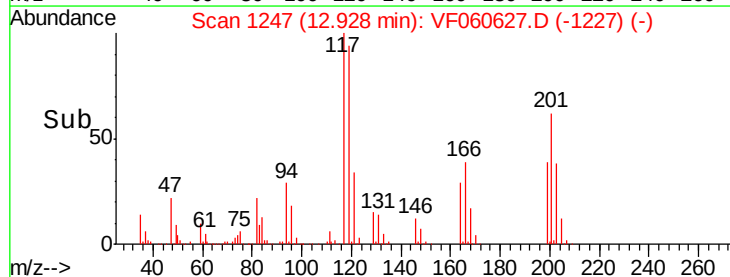
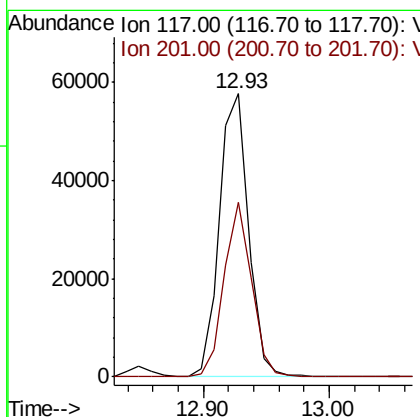
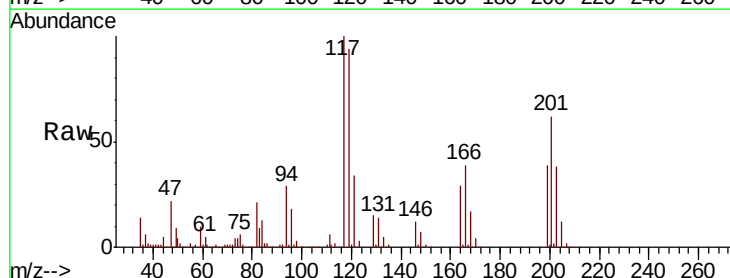
Manual Integrations
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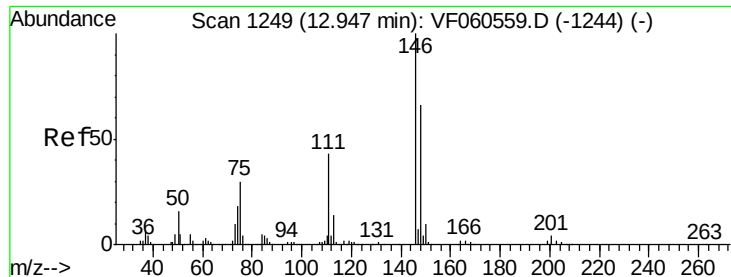
apatel
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#90
Hexachloroethane
Concen: 20.361 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060627.D
Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92748		
201	61.6		35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 20.672 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

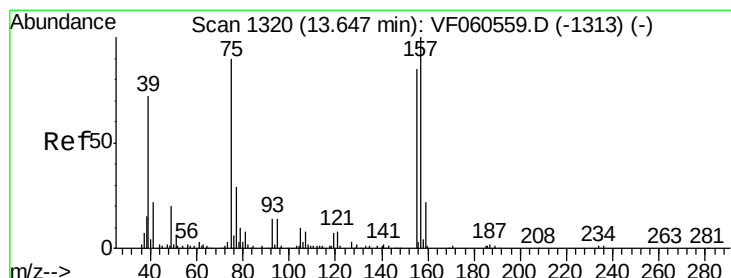
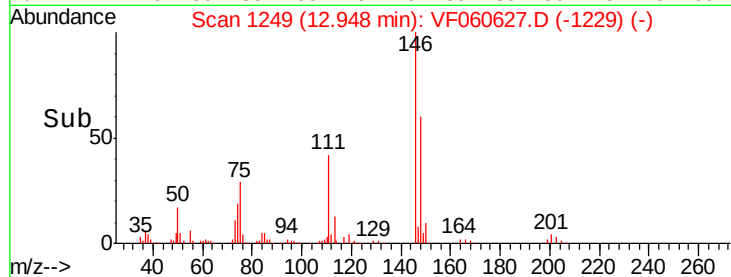
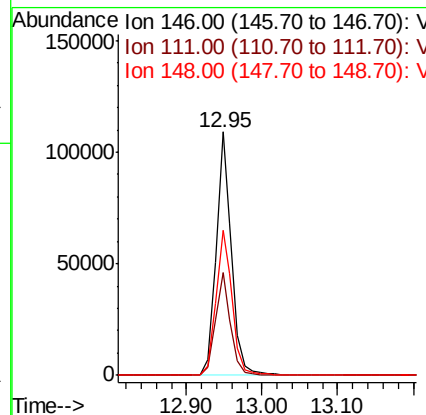
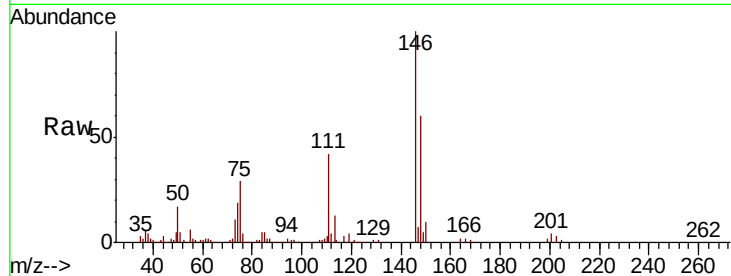
ClientSampleId :

VF1107SBS01

Tot Ion:	146	Resp:	155967
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.3	64.0
148	59.7	32.9	98.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.875 ug/l

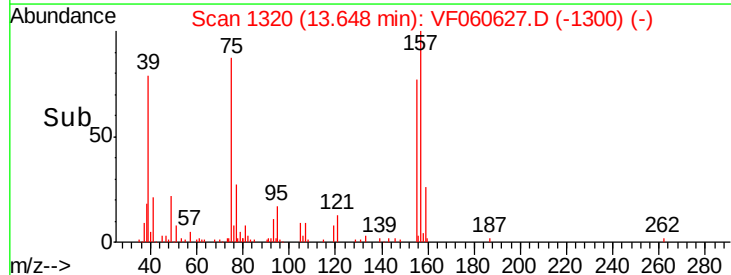
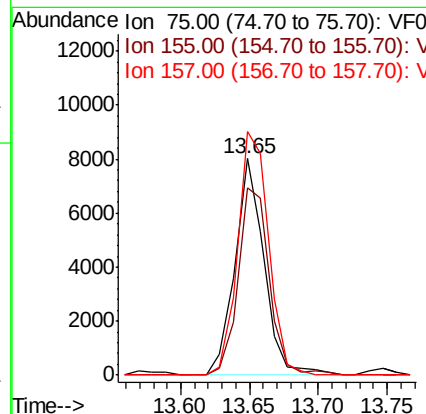
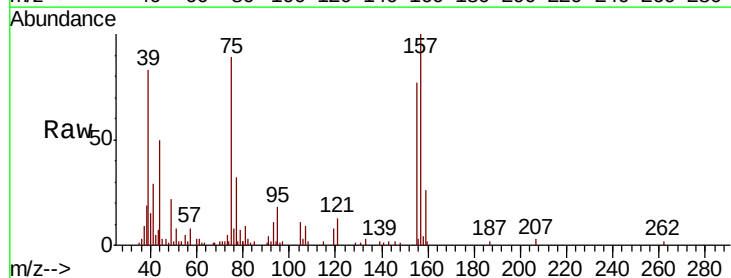
RT: 13.65 min Scan# 1320

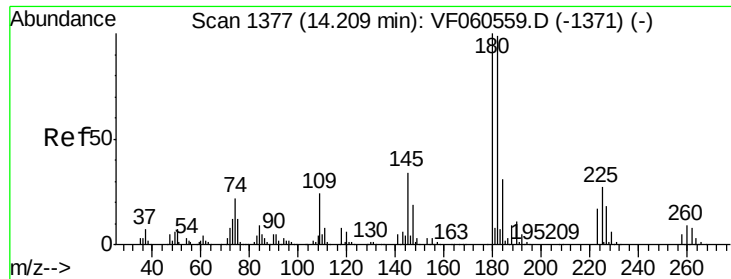
Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	75	Resp:	11835
Ion Ratio	Lower	Upper	
75	100		
155	86.5	47.3	141.8
157	112.5	55.3	165.9





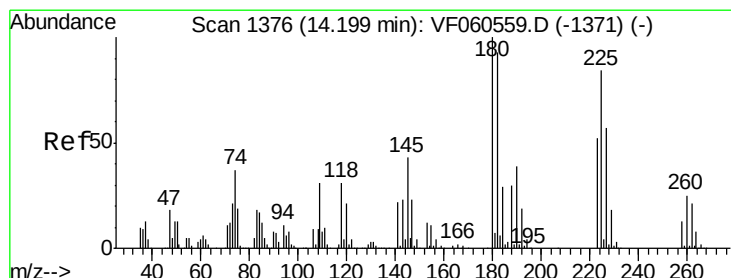
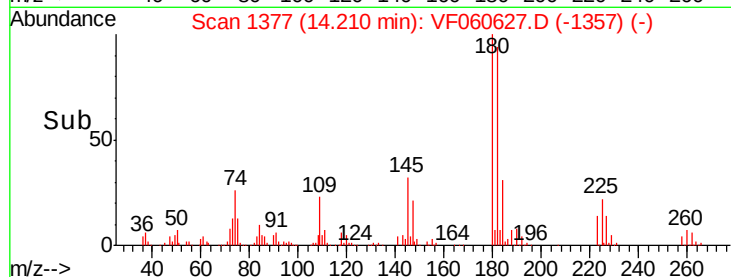
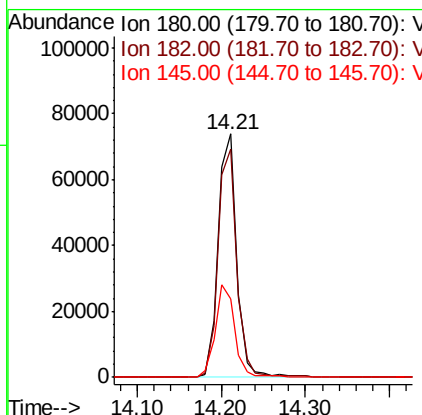
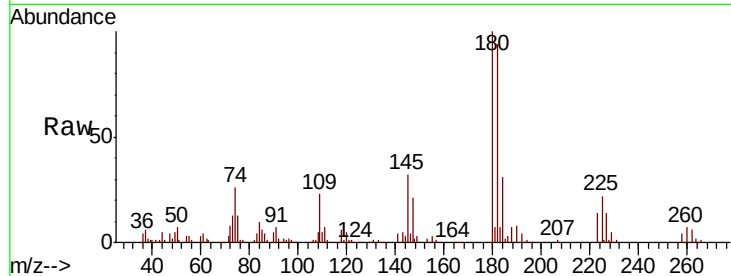
#93
 1,2,4-Trichlorobenzene
 Concen: 22.144 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113502		
182	93.7	49.7	149.1	
145	32.0	16.9	50.7	

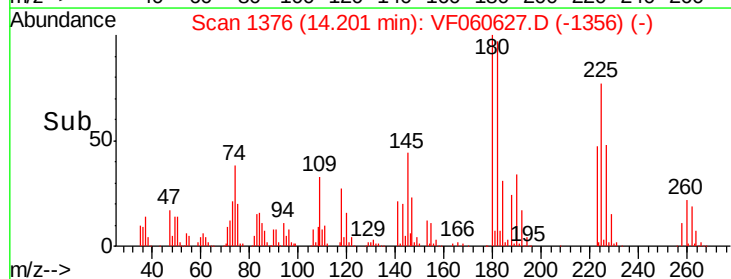
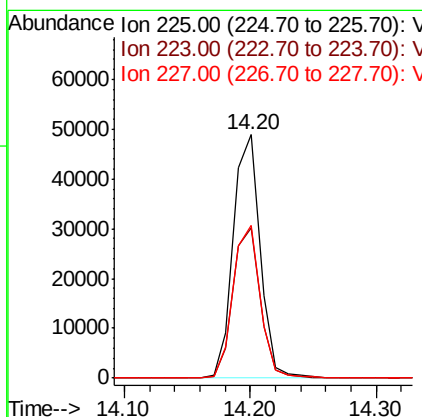
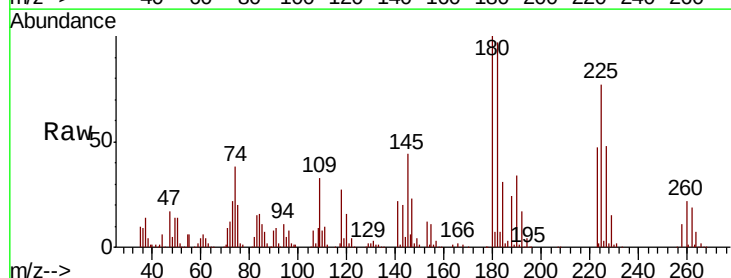
Manual Integrations
 APPROVED

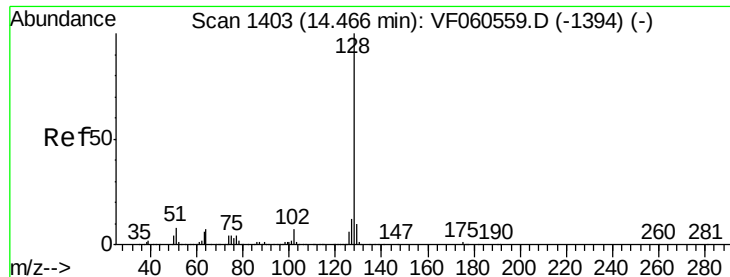
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.618 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060627.D
 Acq: 7 Nov 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71801		
223	61.9	30.9	92.5	
227	62.9	33.9	101.6	





#95

Naphthalene

Concen: 18.589 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Instrument :

MSVOA_F

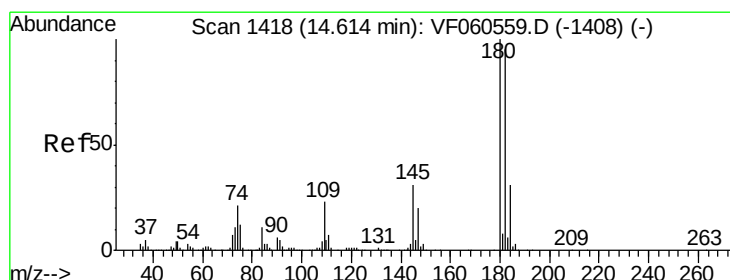
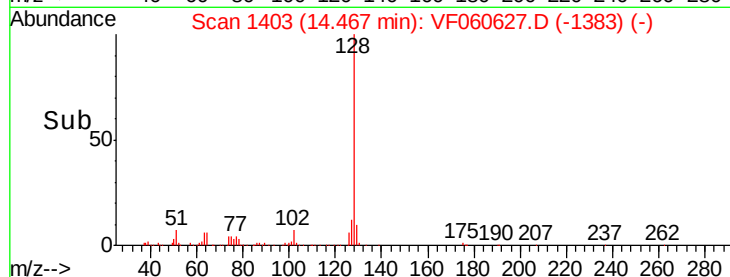
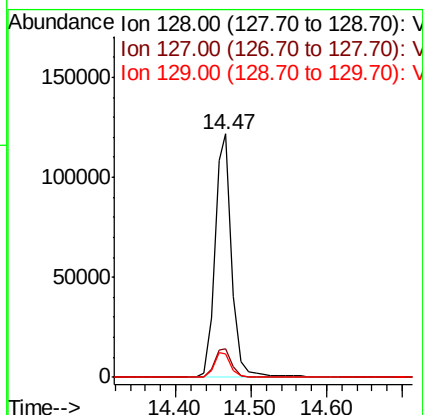
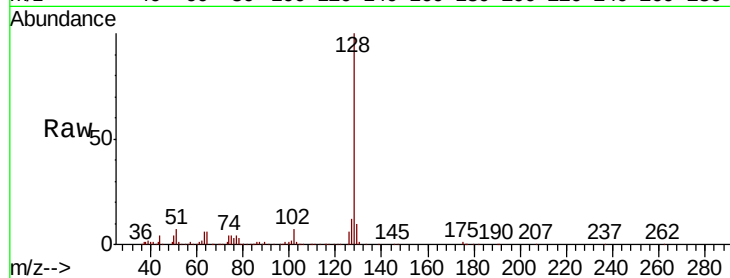
ClientSampleId :

VF1107SBS01

Tot Ion:	128	Resp:	190711
Ion Ratio	Lower	Upper	
128	100		
127	11.5	9.4	14.0
129	9.5	8.4	12.6

Manual Integrations
APPROVED

apatel
11/8/2018 10:28:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.647 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060627.D

Acq: 7 Nov 2018 13:52

Tgt Ion:	180	Resp:	99971
Ion Ratio	Lower	Upper	
180	100		
182	98.5	47.3	142.0
145	36.3	15.6	46.8

