

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060313.D
 Acq On : 21 Sep 2018 13:46
 Operator : VA/AP
 Sample : VF0921SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Manual Integrations
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 9/24/2018 12:52:53 PM

Quant Time: Sep 21 14:52:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	238216	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	414876	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	380986	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	207333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	178476	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
35) Dibromofluoromethane	4.28	113	184855	49.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.96%	
50) Toluene-d8	7.70	98	443088	46.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	11.50	95	202331	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	105056	26.524	ug/l	94
3) Chloromethane	1.12	50	76648	23.611	ug/l	95
4) Vinyl Chloride	1.17	62	80001	24.181	ug/l	99
5) Bromomethane	1.35	94	54204	25.629	ug/l	91
6) Chloroethane	1.43	64	34060	21.617	ug/l	97
7) Trichlorofluoromethane	1.53	101	148760	24.135	ug/l	98
8) Diethyl Ether	1.69	74	24606	23.995	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.89	101	79445	24.237	ug/l #	85
10) Methyl Iodide	1.96	142	123751m	23.411	ug/l	
11) Tert butyl alcohol	2.67	59	29711	159.946	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	63108	23.280	ug/l	90
13) Acrolein	2.08	56	13304	222.360	ug/l	88
14) Allyl chloride	2.18	41	111549	23.580	ug/l	92
15) Acrylonitrile	3.06	53	60075	132.607	ug/l #	85
16) Acetone	2.32	43	133956	148.289	ug/l	93
17) Carbon Disulfide	1.87	76	203882	26.722	ug/l	96
18) Methyl Acetate	2.44	43	33790	22.453	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	170530	25.234	ug/l	95
20) Methylene Chloride	2.27	84	90210m	34.698	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67562	24.130	ug/l	87
22) Diisopropyl ether	2.91	45	211258	23.669	ug/l	92
23) Vinyl Acetate	3.32	43	408058	116.406	ug/l	99
24) 1,1-Dichloroethane	2.99	63	135314	23.377	ug/l #	96
25) 2-Butanone	4.49	43	143143	117.726	ug/l	95
26) 2,2-Dichloropropane	3.74	77	73980	22.399	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	80761	21.956	ug/l	93
28) Bromochloromethane	3.86	49	51765	22.970	ug/l	84
29) Tetrahydrofuran	4.24	42	57196	128.454	ug/l	96
30) Chloroform	4.02	83	163540	23.415	ug/l	95
31) Cyclohexane	3.85	56	108695	22.231	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	126581	22.969	ug/l	98
36) 1,1-Dichloropropene	4.44	75	110957	21.441	ug/l	93
37) Ethyl Acetate	4.27	43	49114	22.430	ug/l	98
38) Carbon Tetrachloride	4.15	117	122678m	22.070	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122127	21.775	ug/l	97
40) Benzene	4.79	78	253122	21.571	ug/l	98
41) Methacrylonitrile	4.90	41	26900	22.640	ug/l	96
42) 1,2-Dichloroethane	5.10	62	102052	23.628	ug/l	99
43) Isopropyl Acetate	7.10	43	55432	21.028	ug/l #	99
44) Trichloroethene	5.66	130	75209	21.536	ug/l	95
45) 1,2-Dichloropropane	6.39	63	63825	21.017	ug/l	96
46) Dibromomethane	6.24	93	49635	22.865	ug/l	95
47) Bromodichloromethane	6.53	83	114895	22.025	ug/l	93
48) Methyl methacrylate	6.86	41	39661	21.433	ug/l	92
49) 1,4-Dioxane	6.85	88	7741	468.248	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	217499	107.051	ug/l	96
52) Toluene	7.77	92	156676	21.106	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	97358	23.137	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	106530	20.096	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	47423	21.048	ug/l	96
56) Ethyl methacrylate	8.74	69	55662	20.456	ug/l	99
57) 1,3-Dichloropropane	8.99	76	82834	22.204	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	25870	107.544	ug/l	100
59) 2-Hexanone	9.62	43	159596	110.324	ug/l	98
60) Dibromochloromethane	8.85	129	76397	22.750	ug/l	94
61) 1,2-Dibromoethane	9.12	107	56279	22.431	ug/l	90
64) Tetrachloroethene	8.29	164	68117	19.723	ug/l	96
65) Chlorobenzene	9.92	112	182550	21.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	77701	21.683	ug/l	97
67) Ethyl Benzene	10.02	91	337855	21.162	ug/l	97
68) m/p-Xylenes	10.25	106	233310	42.298	ug/l	100
69) o-Xylene	10.81	106	124088	20.057	ug/l	93
70) Styrene	10.89	104	179915	20.621	ug/l	97
71) Bromoform	10.88	173	42831	21.763	ug/l	90
73) Isopropylbenzene	11.22	105	394021	21.169	ug/l	100
74) N-amyl acetate	11.45	43	79361	19.995	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	73411	22.255	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	50224	21.265	ug/l	92
77) Bromobenzene	11.58	156	80564	20.084	ug/l	96
78) n-propylbenzene	11.68	91	460418	20.111	ug/l	98
79) 2-Chlorotoluene	11.80	91	260612	20.757	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	317326	21.180	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	24224m	19.408	ug/l	
82) 4-Chlorotoluene	11.97	91	261182	20.697	ug/l	94
83) tert-Butylbenzene	12.20	119	325823	21.452	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	314152	20.649	ug/l	99
85) sec-Butylbenzene	12.38	105	434197	19.444	ug/l	96
86) p-Isopropyltoluene	12.53	119	362731	21.088	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	148997	19.878	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	150887	20.366	ug/l	98
89) n-Butylbenzene	12.91	91	375591	20.142	ug/l	97
90) Hexachloroethane	12.99	117	89700	21.106	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	152753	21.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12916	20.855	ug/l	80

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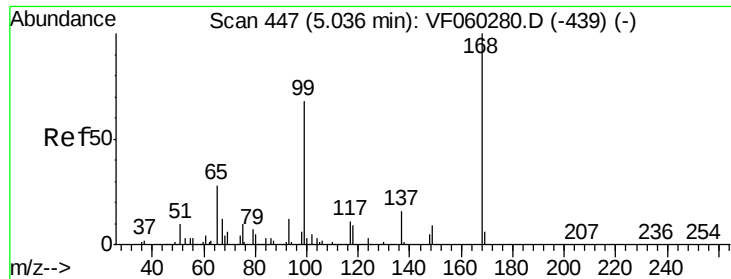
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	114170	21.968	ug/l	97
94) Hexachlorobutadiene	14.25	225	72449	20.621	ug/l	98
95) Naphthalene	14.52	128	180835	19.846	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	101868	21.212	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060313.D

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Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:168 Resp: 238216

Ion Ratio Lower Upper

168 100

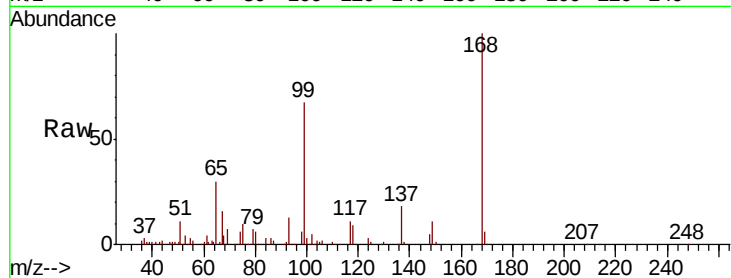
99 67.4 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

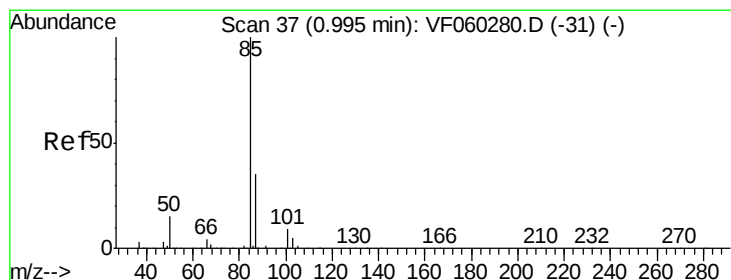
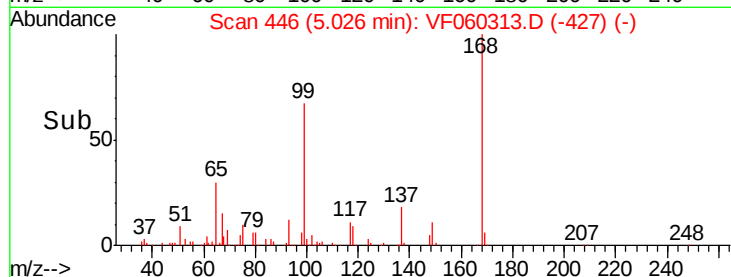
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 26.524 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060313.D

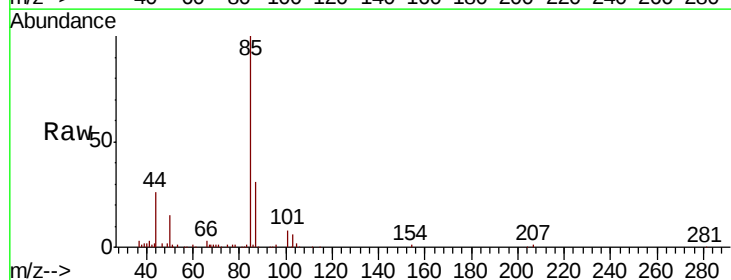
Acq: 21 Sep 2018 13:46

Tgt Ion: 85 Resp: 105056

Ion Ratio Lower Upper

85 100

87 31.5 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

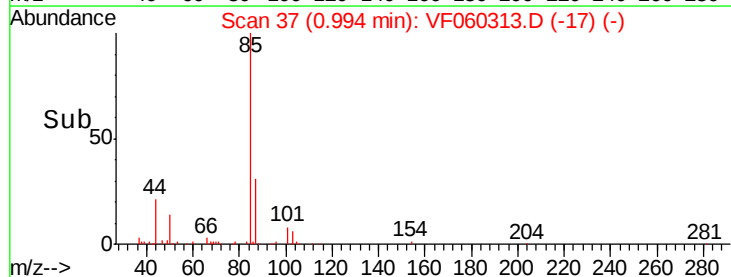
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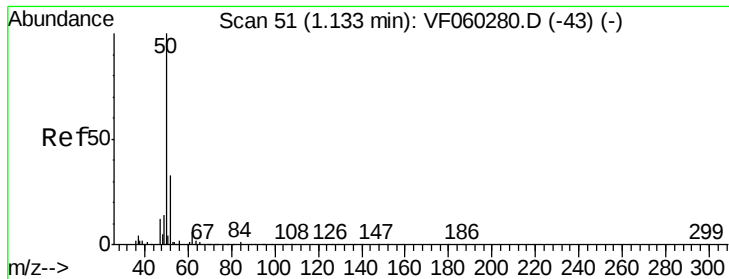
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.611 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 50 Resp: 76648

Ion Ratio Lower Upper

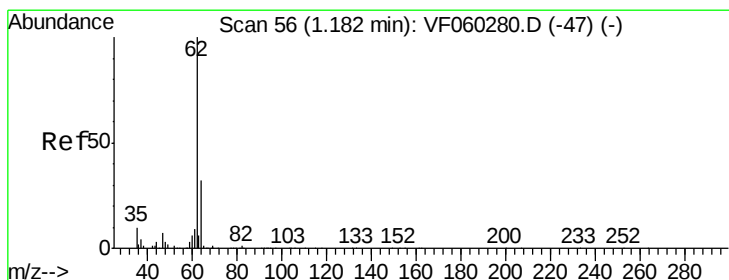
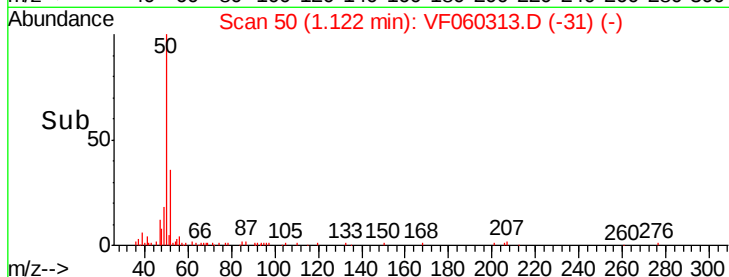
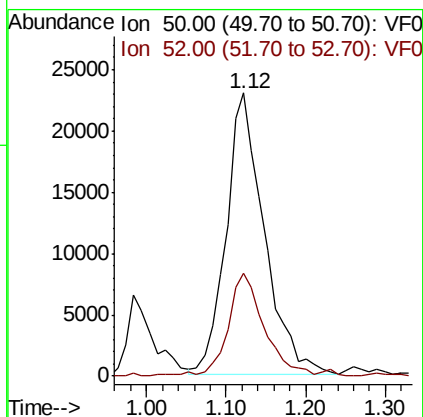
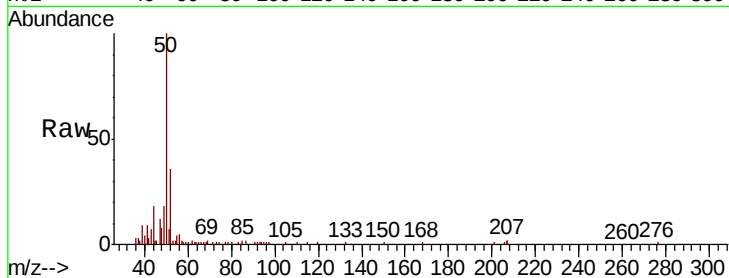
50 100

52 36.2 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 24.181 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060313.D

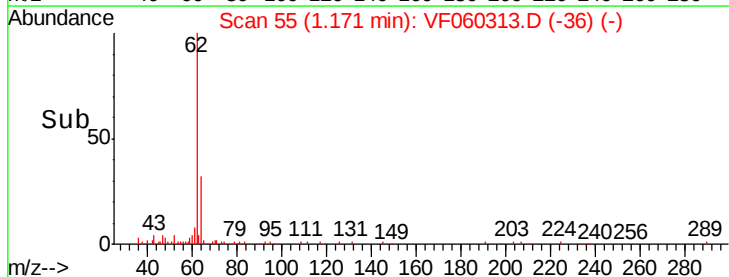
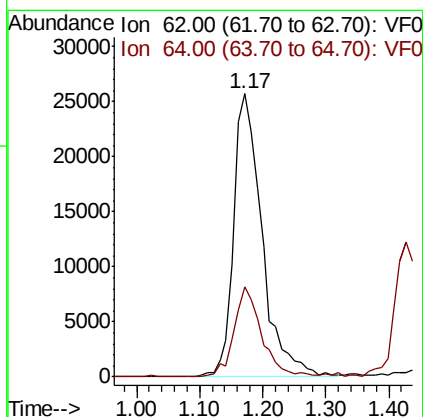
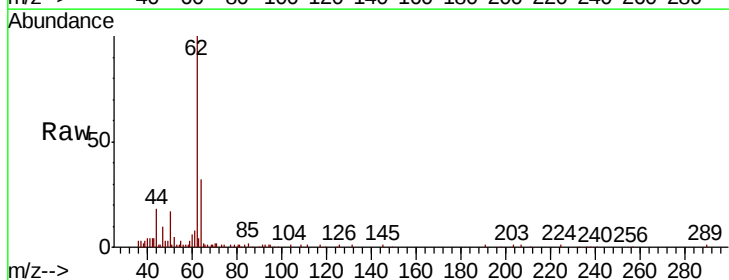
Acq: 21 Sep 2018 13:46

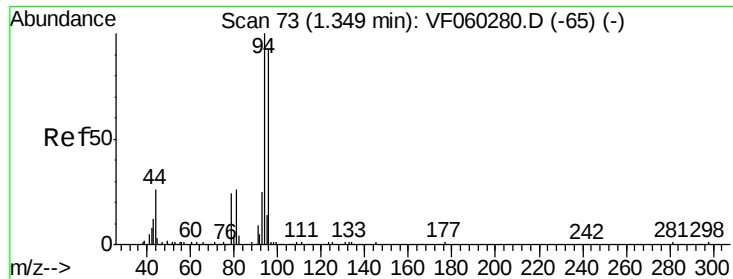
Tgt Ion: 62 Resp: 80001

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 25.629 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060313.D

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Tot Ion: 94 Resp: 54204

Ion Ratio Lower Upper

94 100

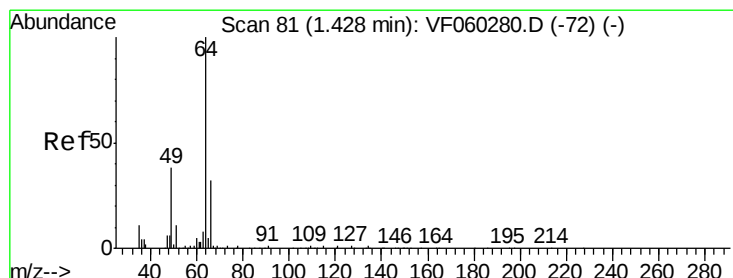
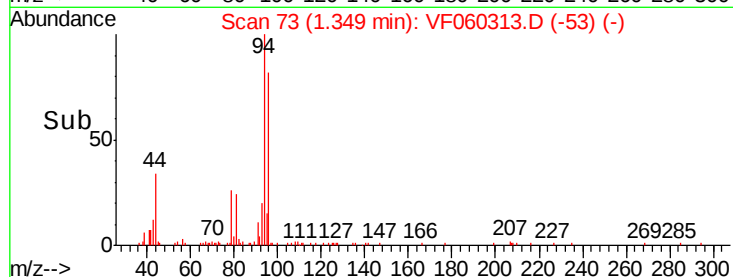
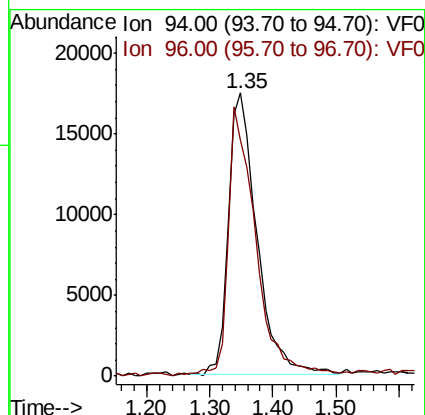
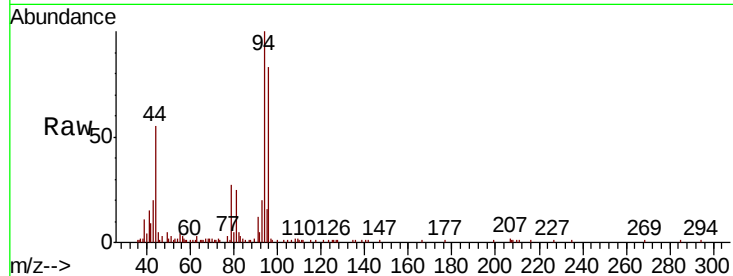
96 83.4 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 21.617 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060313.D

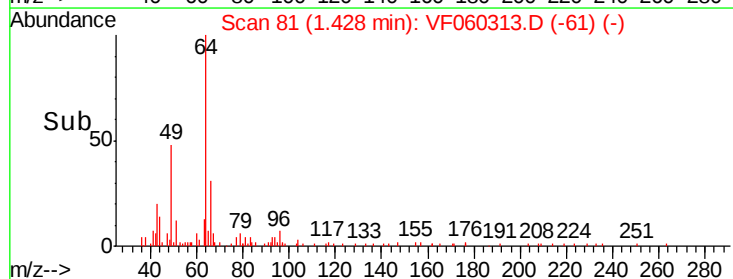
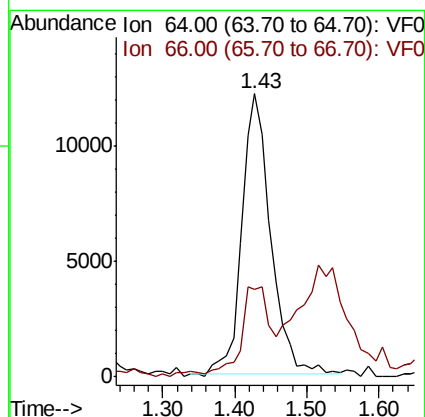
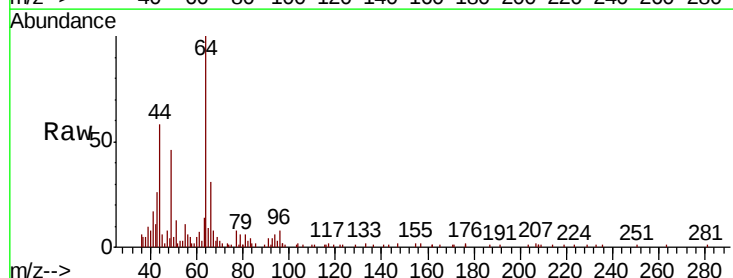
Acq: 21 Sep 2018 13:46

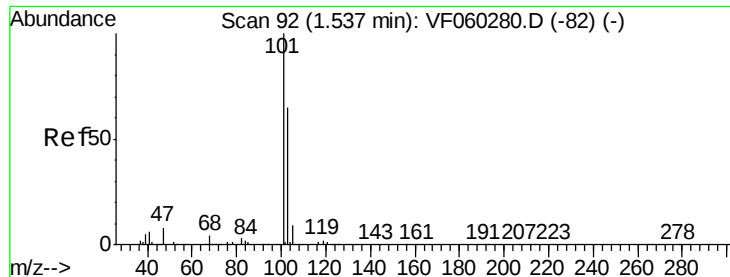
Tgt Ion: 64 Resp: 34060

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2





#7

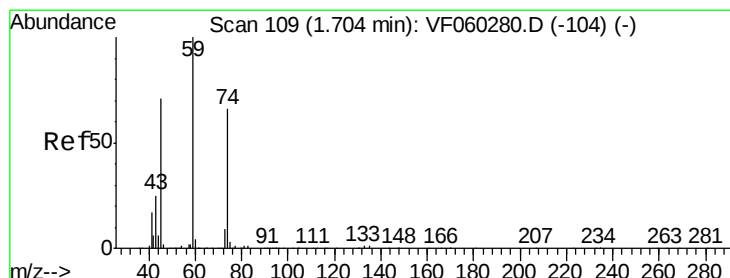
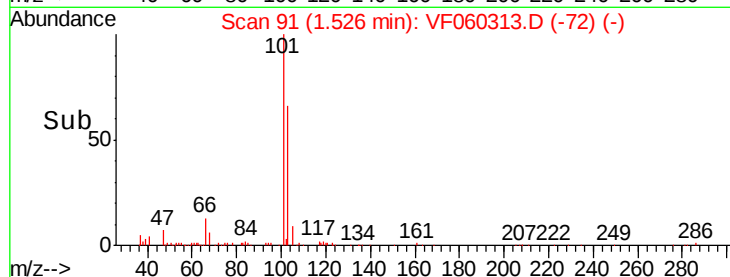
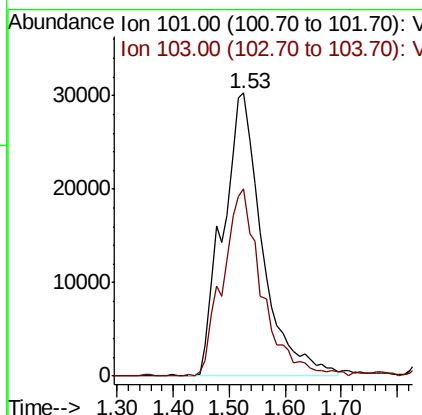
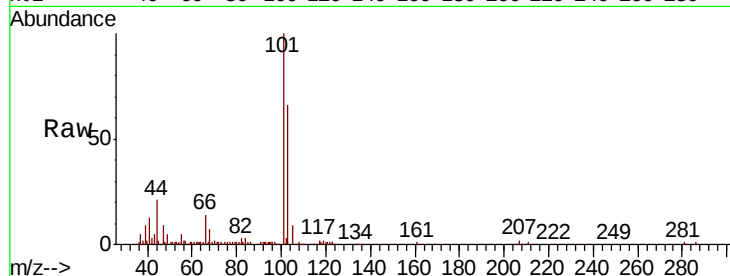
Trichlorofluoromethane
 Concen: 24.135 ug/l
 RT: 1.53 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: VF060313.D
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 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.0	78.0

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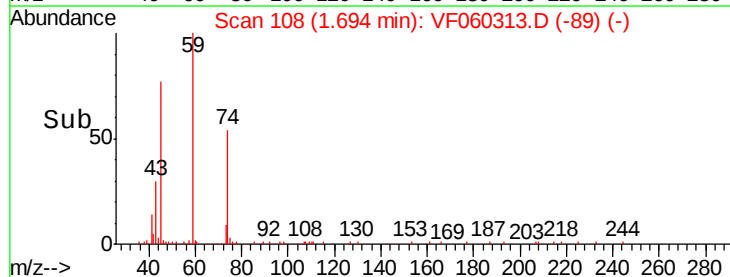
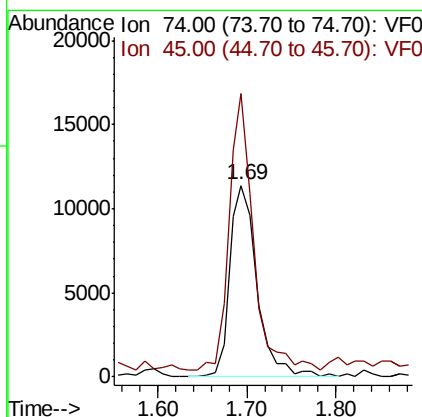
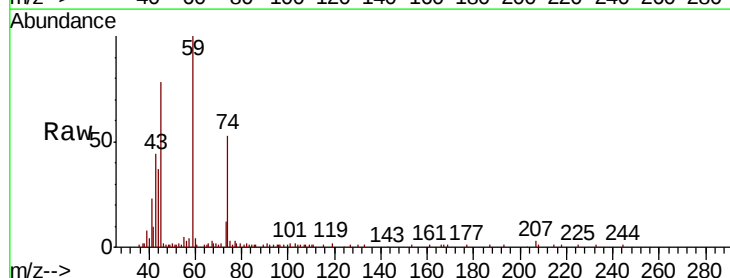
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 9/24/2018 12:52:53 PM

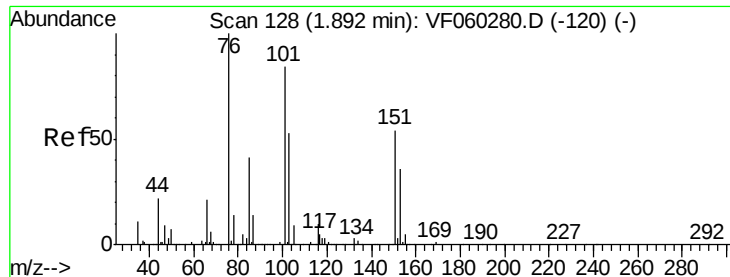


#8

Diethyl Ether
 Concen: 23.995 ug/l
 RT: 1.69 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.7	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.237 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

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ClientSampleId :

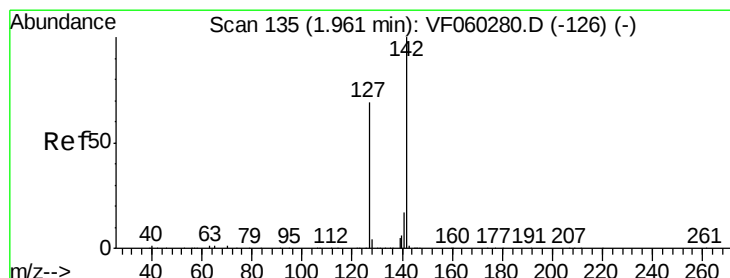
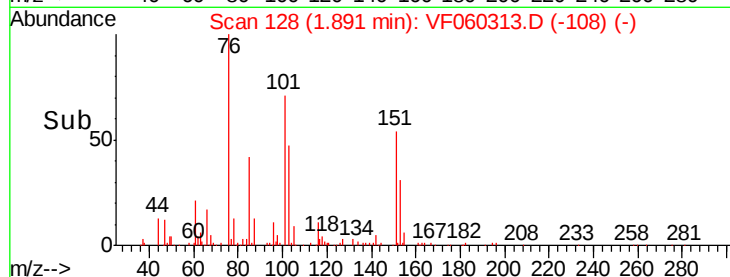
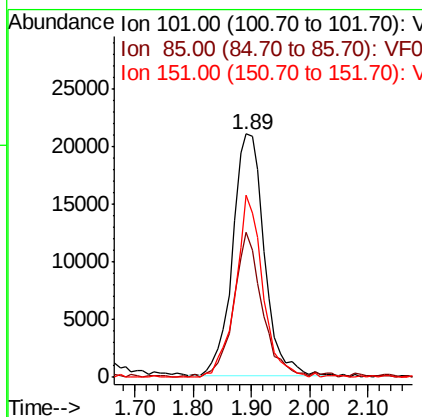
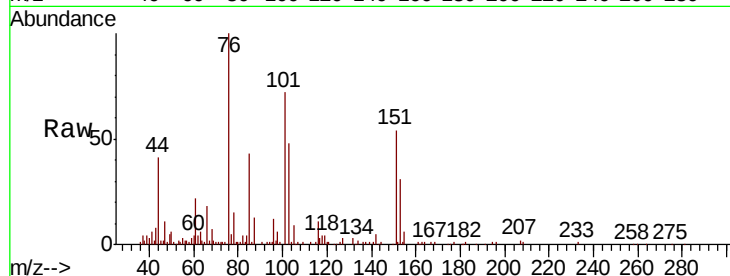
VF0921SBS01

Tot Ion:	101	Resp:	79445
Ion Ratio	Lower	Upper	
101	100		
85	59.6	38.7	58.1#
151	74.8	50.8	76.2

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#10

Methyl Iodide

Concen: 23.411 ug/l m

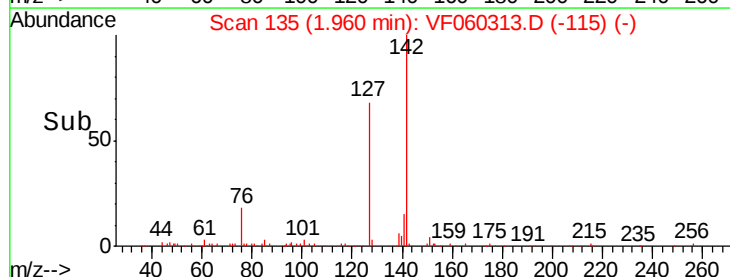
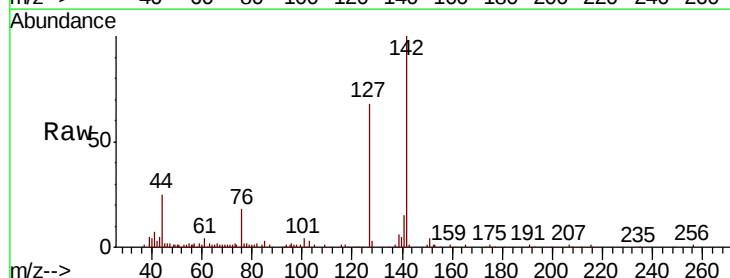
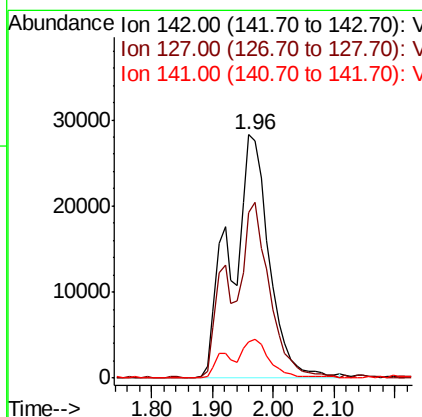
RT: 1.96 min Scan# 135

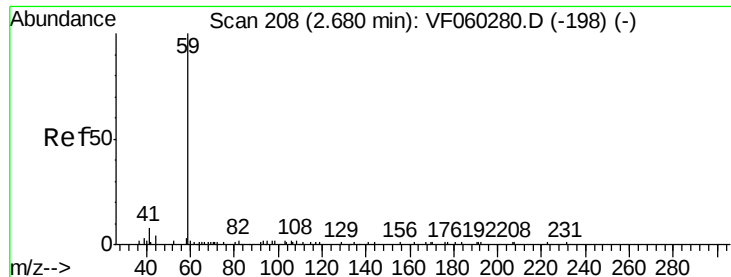
Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	142	Resp:	123751
Ion Ratio	Lower	Upper	
142	100		
127	68.2	55.4	83.0
141	14.7	13.3	19.9





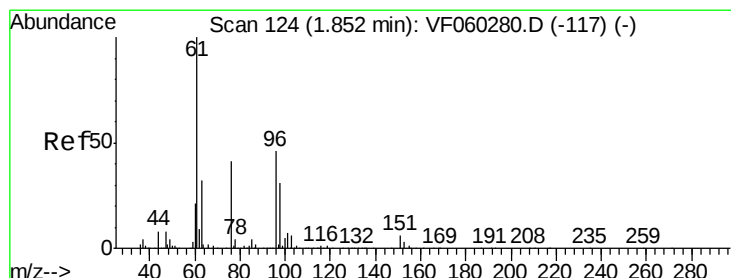
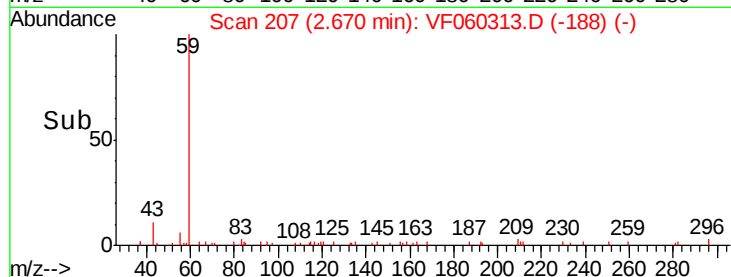
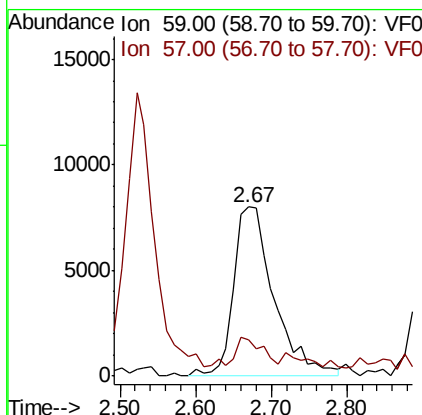
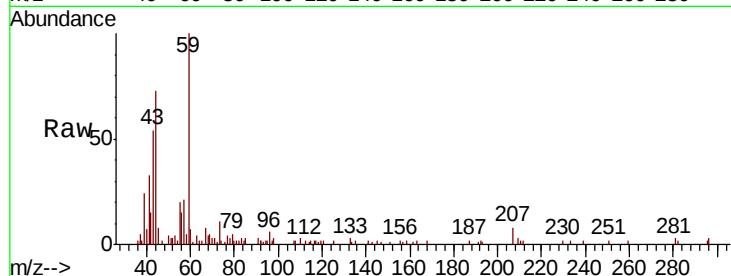
#11
Tert butyl alcohol
Concen: 159.946 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	59	Resp	29711
Ion Ratio	100	Lower	Upper
57	21.3	12.4	18.6#

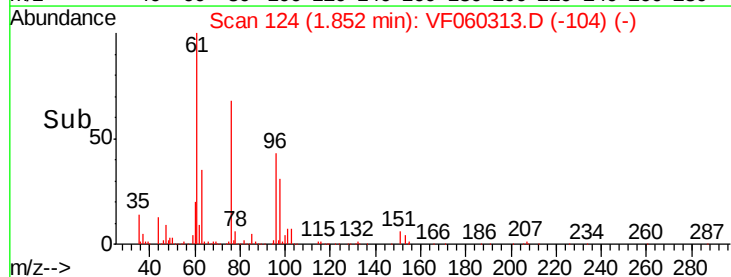
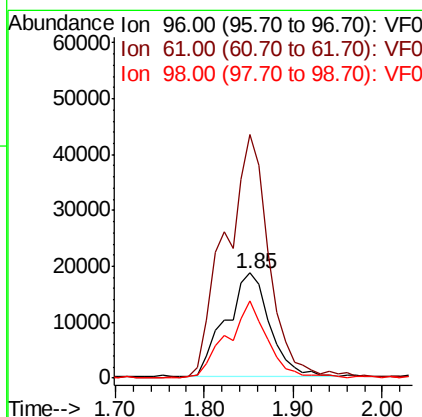
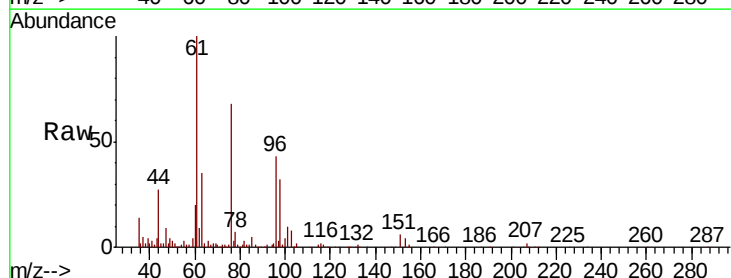
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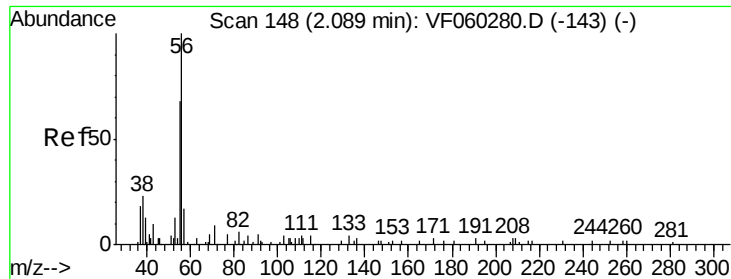
apatel
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#12
1,1-Dichloroethene
Concen: 23.280 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	96	Resp	63108
Ion Ratio	100	Lower	Upper
61	231.6	172.2	258.2
98	73.3	54.1	81.1





#13

Acrolein

Concen: 222.360 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 56 Resp: 13304

Ion Ratio Lower Upper

56 100

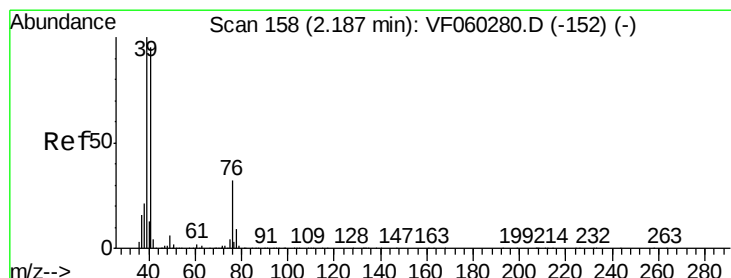
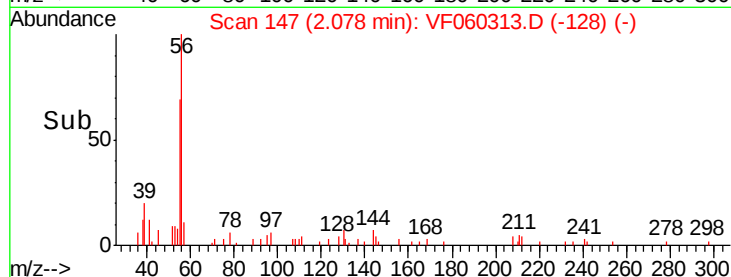
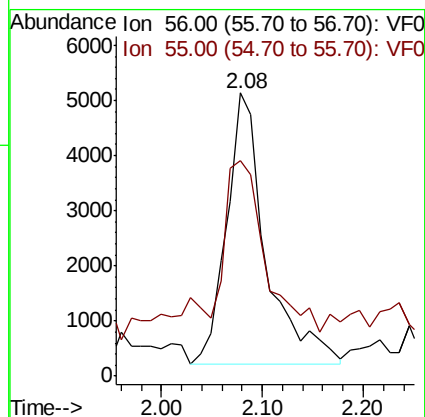
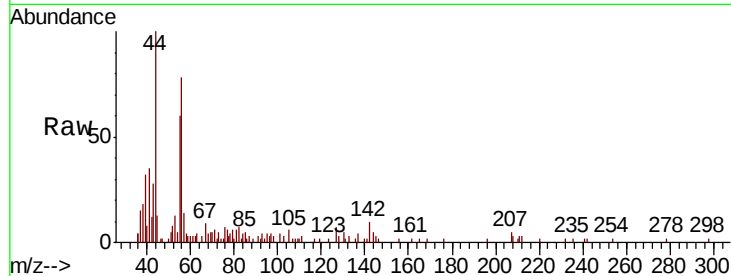
55 76.3 69.9 104.9

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#14

Allyl chloride

Concen: 23.580 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

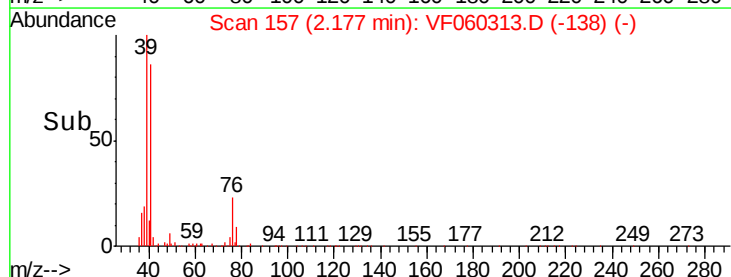
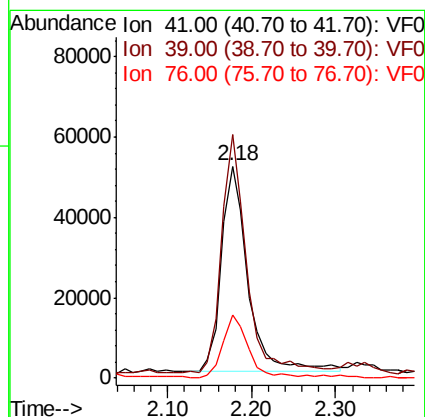
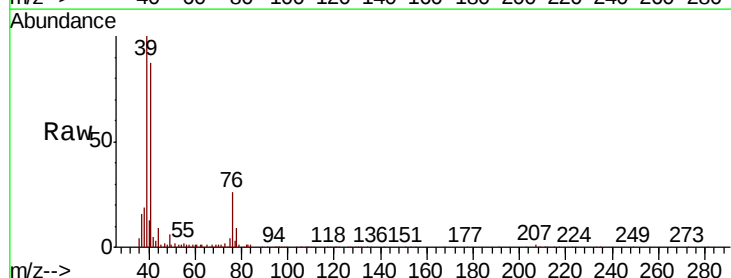
Tgt Ion: 41 Resp: 111549

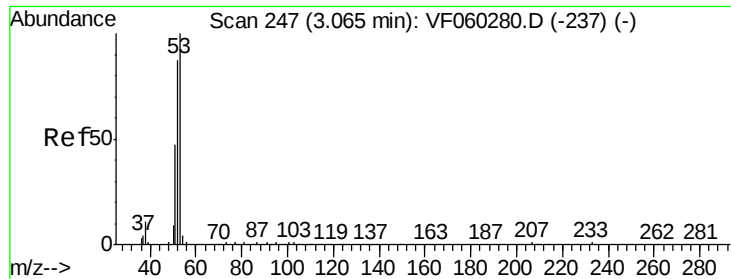
Ion Ratio Lower Upper

41 100

39 114.8 84.8 127.2

76 29.9 27.4 41.2





#15

Acrylonitrile

Concen: 132.607 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

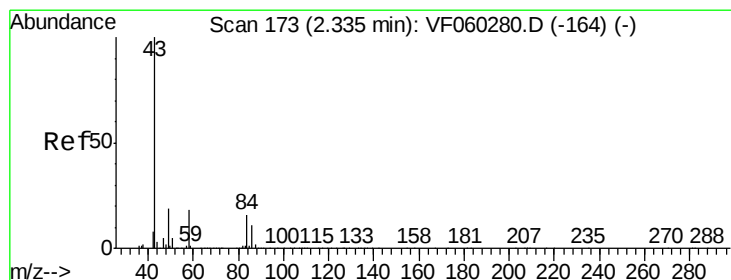
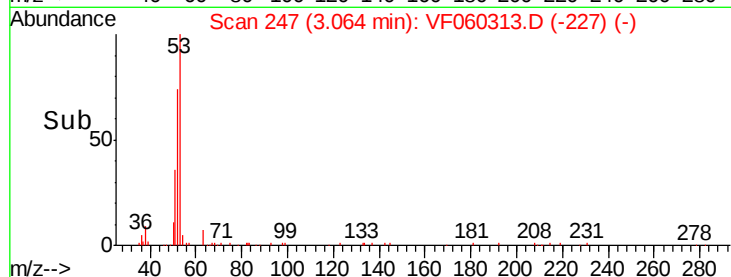
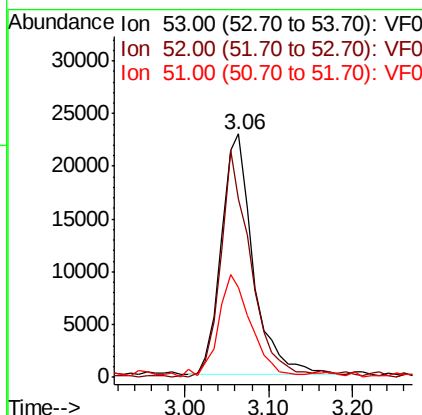
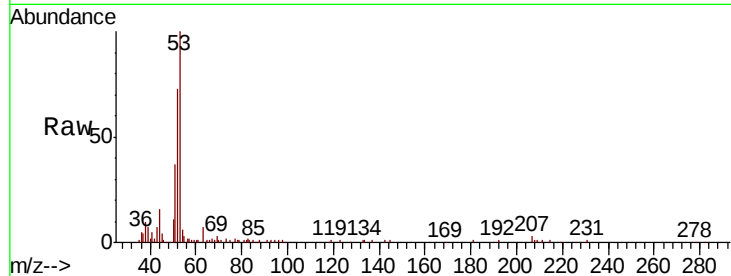
ClientSampleId :

VF0921SBS01

Tot Ion:	53	Resp:	60075
Ion Ratio	Lower	Upper	
53	100		
52	73.4	69.5	104.3
51	37.2	38.1	57.1#

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#16

Acetone

Concen: 148.289 ug/l

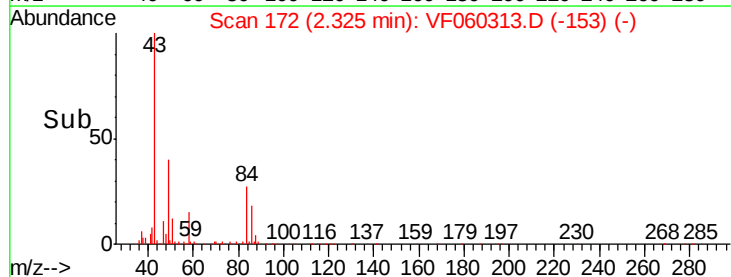
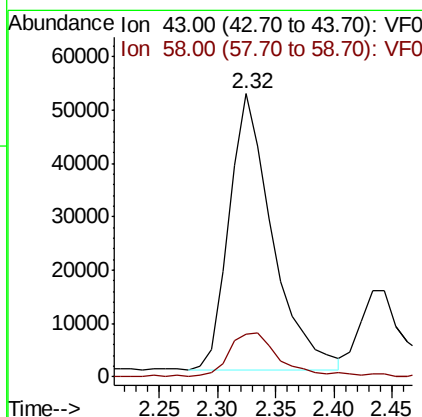
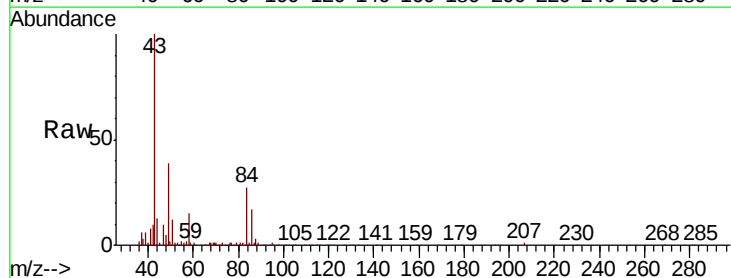
RT: 2.32 min Scan# 172

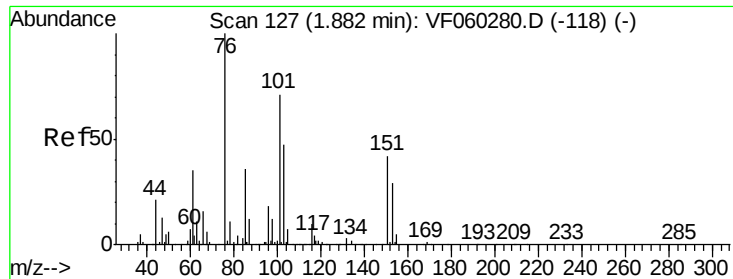
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	43	Resp:	133956
Ion Ratio	Lower	Upper	
43	100		
58	15.0	14.5	21.7





#17

Carbon Disulfide

Concen: 26.722 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 76 Resp: 203882

Ion Ratio Lower Upper

76 100

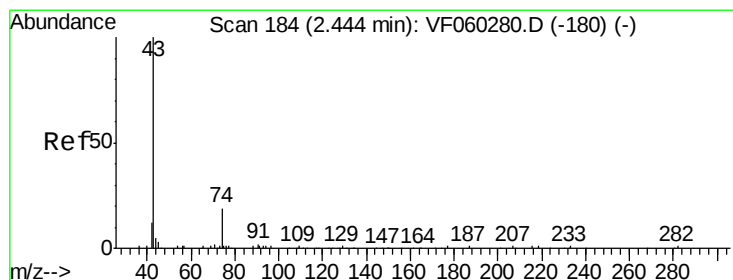
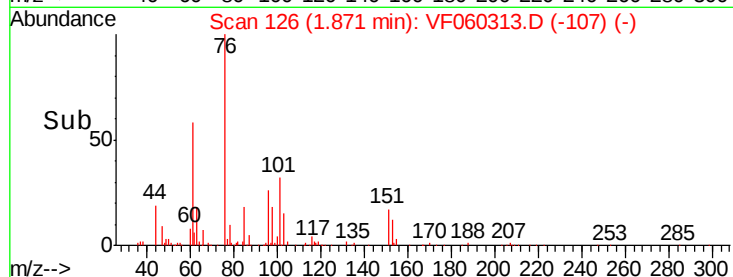
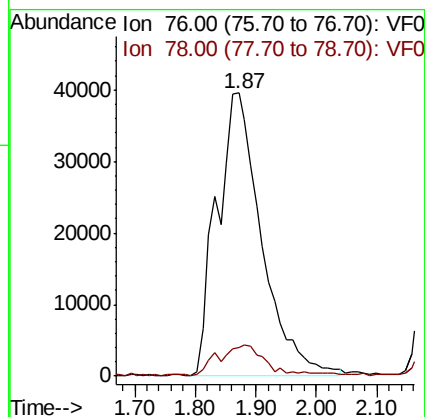
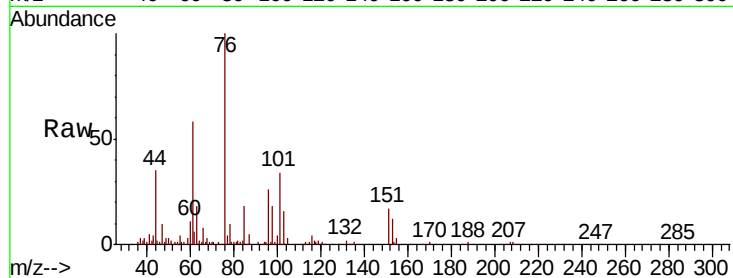
78 10.2 9.4 14.0

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#18

Methyl Acetate

Concen: 22.453 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF060313.D

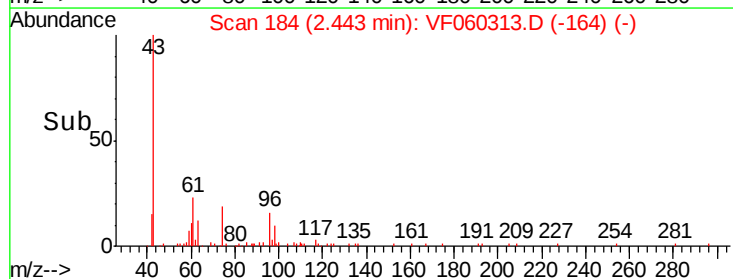
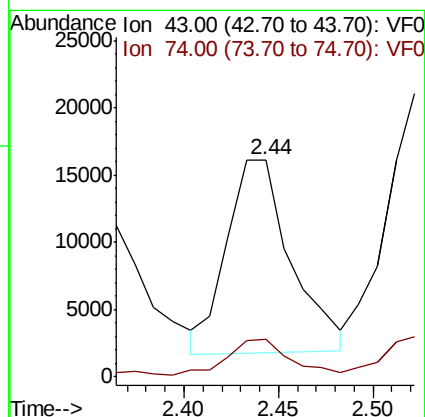
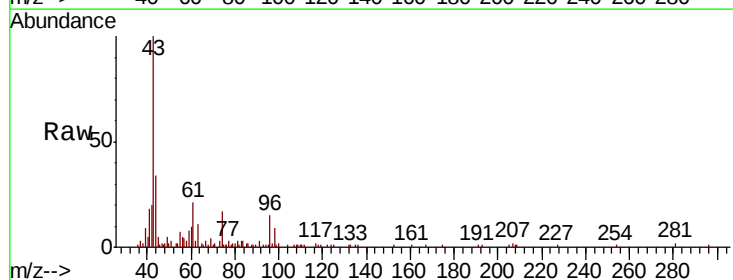
Acq: 21 Sep 2018 13:46

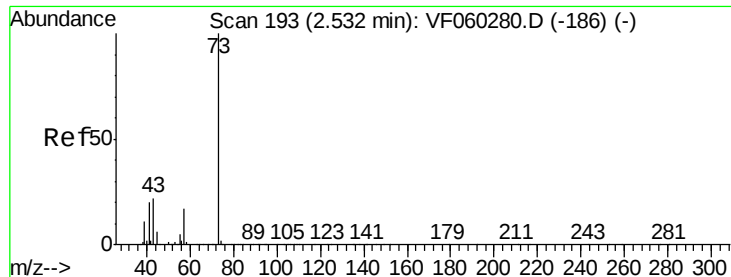
Tgt Ion: 43 Resp: 33790

Ion Ratio Lower Upper

43 100

74 17.4 12.7 19.1





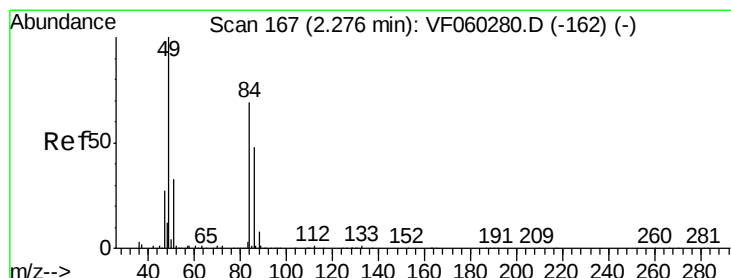
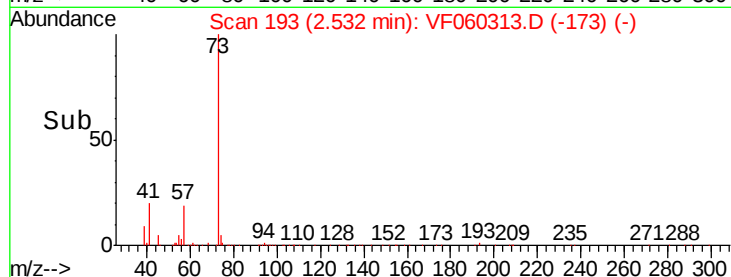
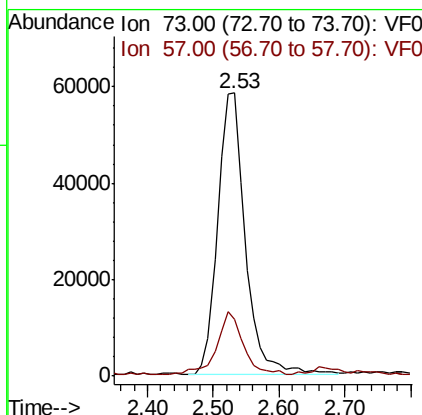
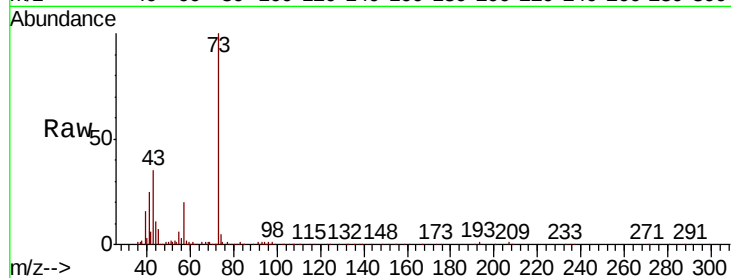
#19
Methvl tert-butvl Ether
Concen: 25.234 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	14.5	21.7

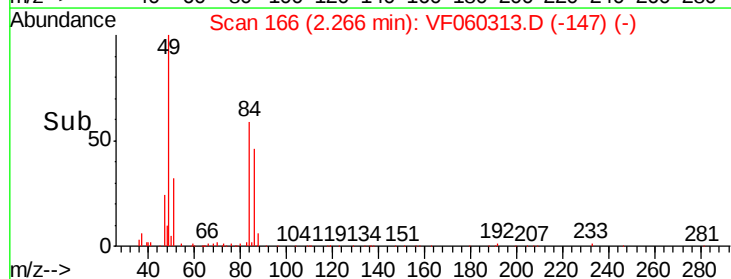
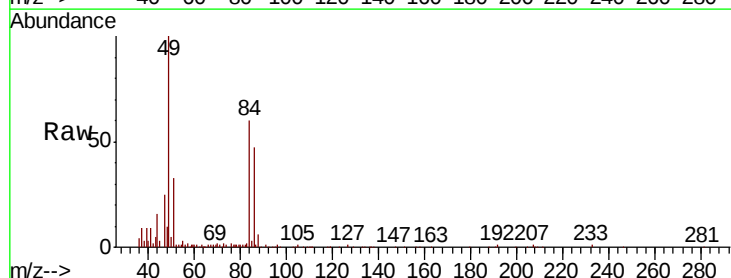
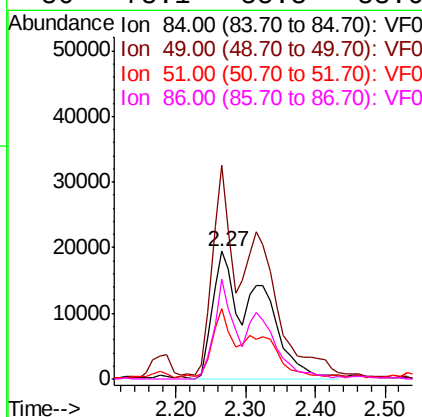
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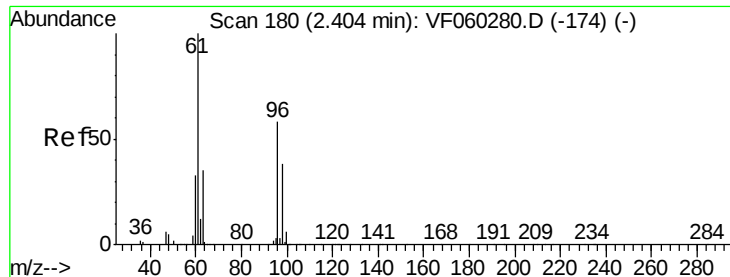
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#20
Methylene Chloride
Concen: 34.698 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.1	118.3	177.5
51	54.7	38.7	58.1
86	78.1	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 24.130 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

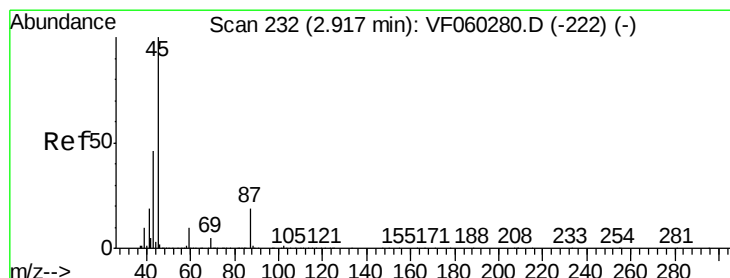
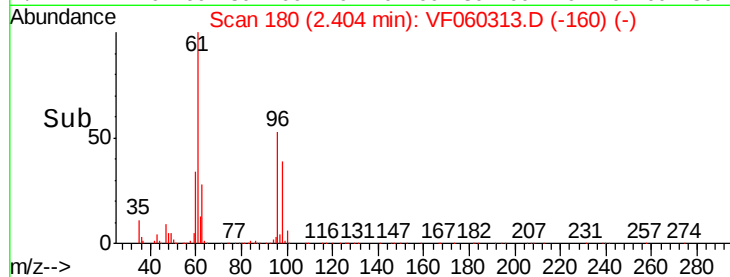
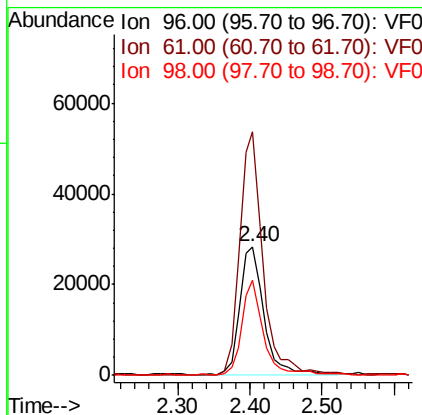
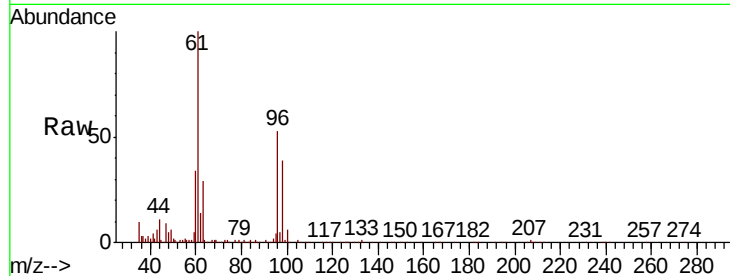
ClientSampleId :

VF0921SBS01

Tot Ion:	96	Resp:	67562
Ion	Ratio	Lower	Upper
96	100		
61	189.6	136.4	204.6
98	74.1	51.8	77.6

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#22

Diisopropyl ether

Concen: 23.669 ug/l

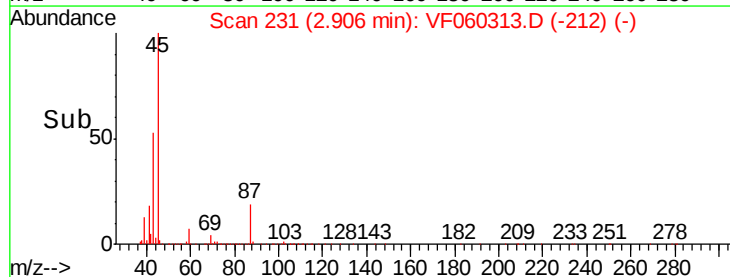
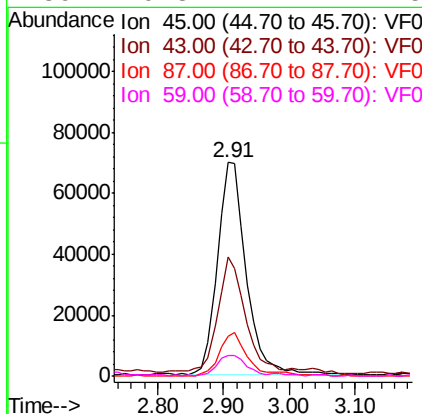
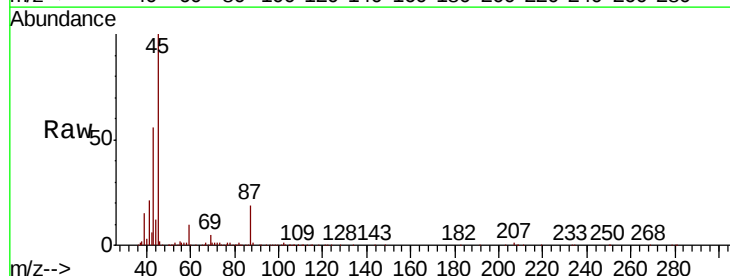
RT: 2.91 min Scan# 231

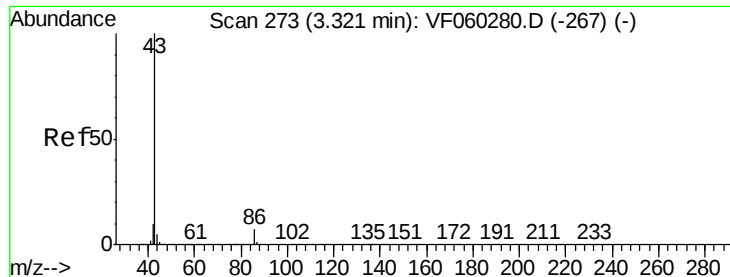
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	45	Resp:	211258
Ion	Ratio	Lower	Upper
45	100		
43	56.0	38.2	57.2
87	18.6	15.5	23.3
59	9.8	7.7	11.5





#23

Vinyl Acetate

Concen: 116.406 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

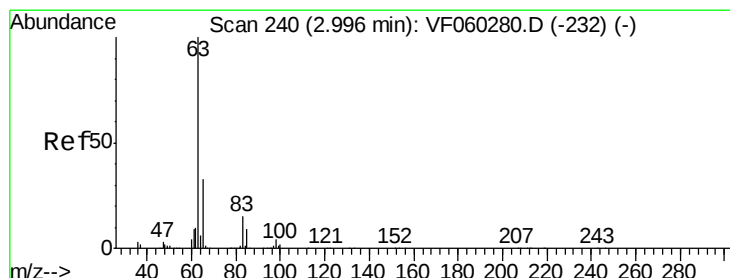
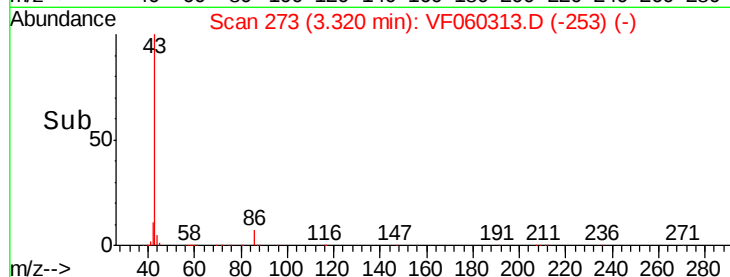
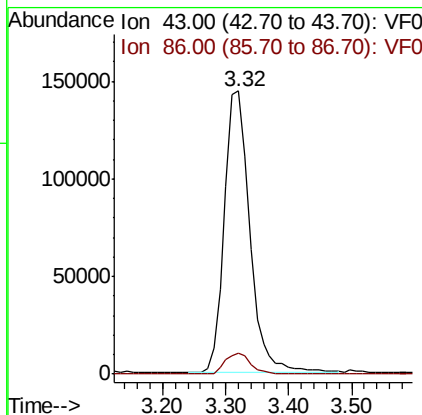
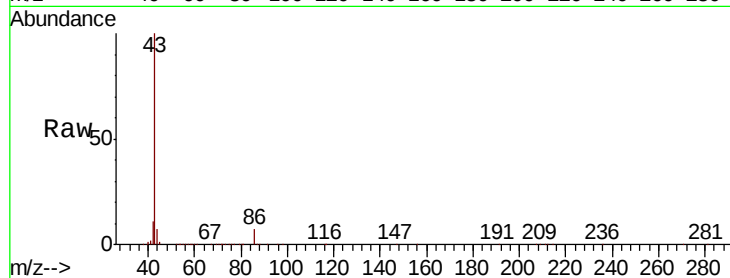
ClientSampleId :

VF0921SBS01

Tot Ion:	43	Resp:	408058
Ion Ratio	Lower	Upper	
43	100		
86	7.2	5.9	8.9

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#24

1,1-Dichloroethane

Concen: 23.377 ug/l

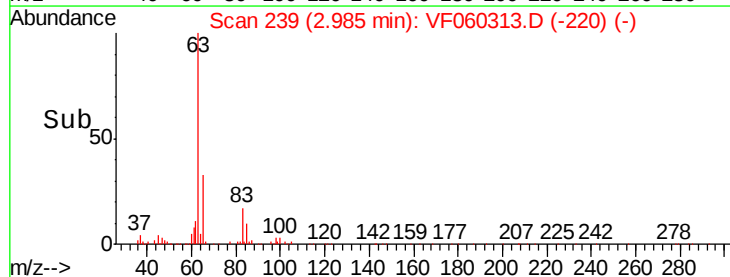
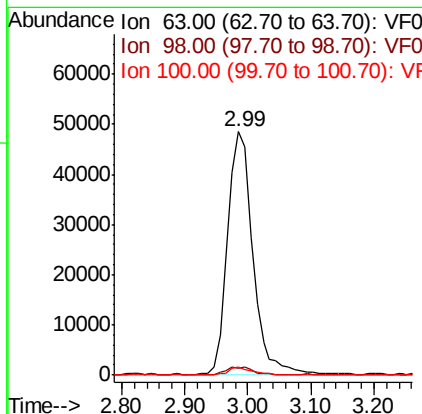
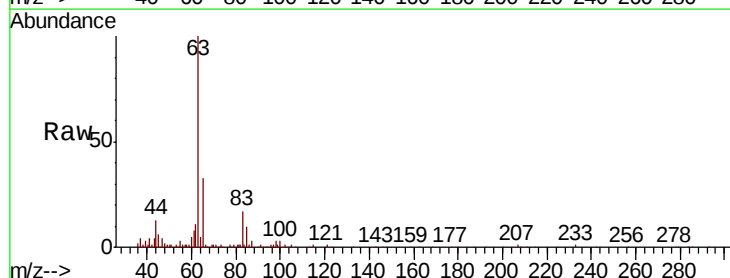
RT: 2.99 min Scan# 239

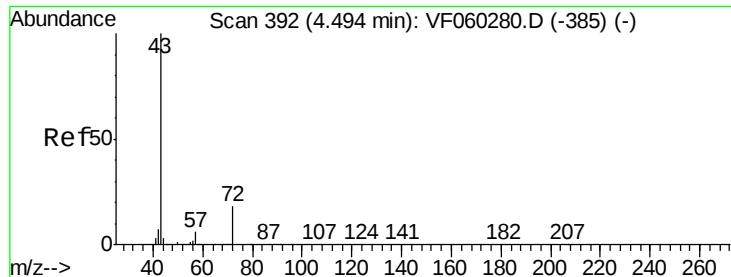
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	63	Resp:	135314
Ion Ratio	Lower	Upper	
63	100		
98	3.1	2.1	6.5
100	3.4	1.1	3.3#





#25

2-Butanone

Concen: 117.726 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 43 Resp: 143143

Ion Ratio Lower Upper

43 100

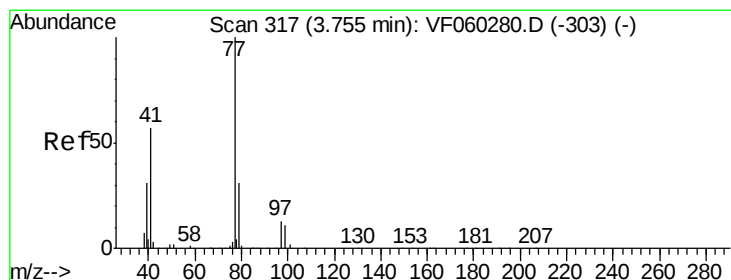
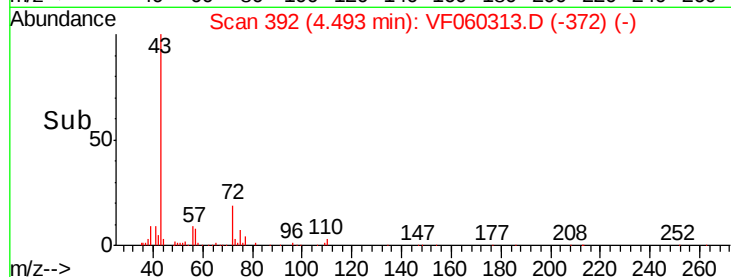
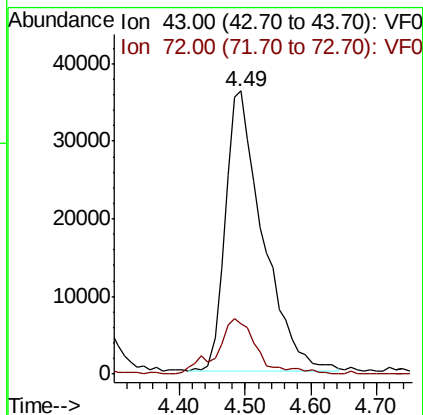
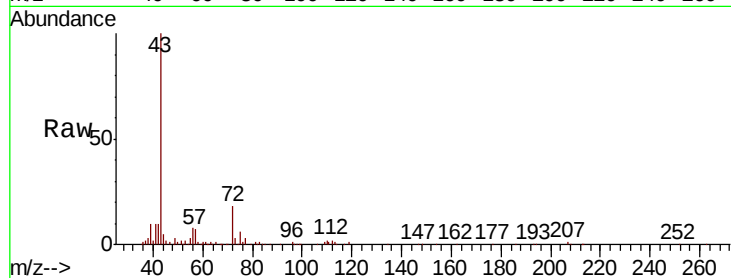
72 17.9 16.2 24.2

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#26

2,2-Dichloropropane

Concen: 22.399 ug/l

RT: 3.74 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060313.D

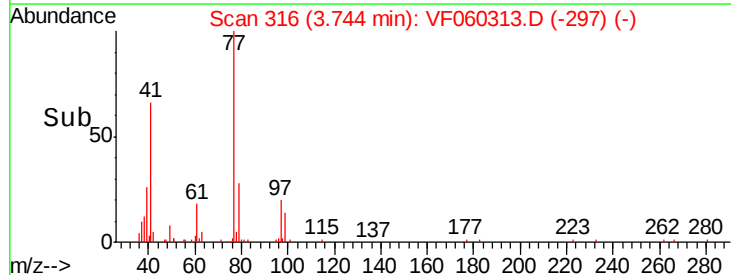
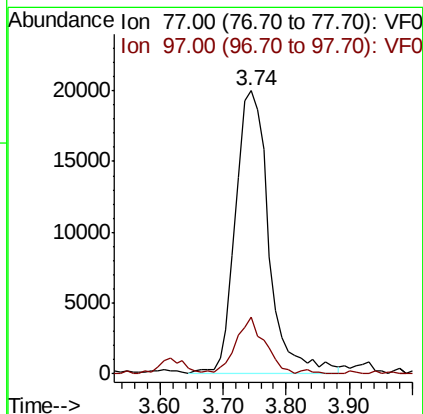
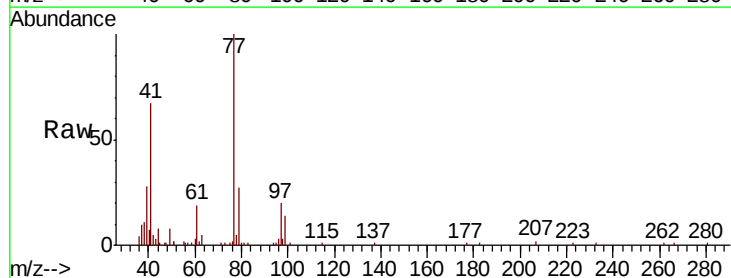
Acq: 21 Sep 2018 13:46

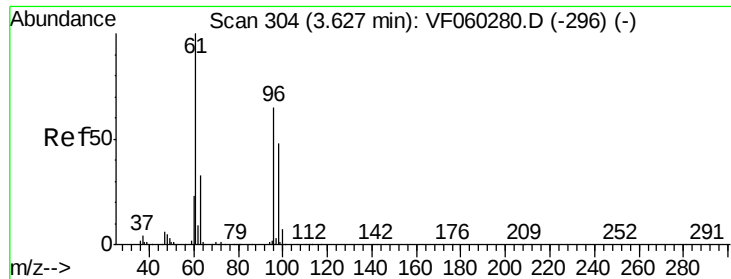
Tgt Ion: 77 Resp: 73980

Ion Ratio Lower Upper

77 100

97 19.9 9.3 27.9





#27

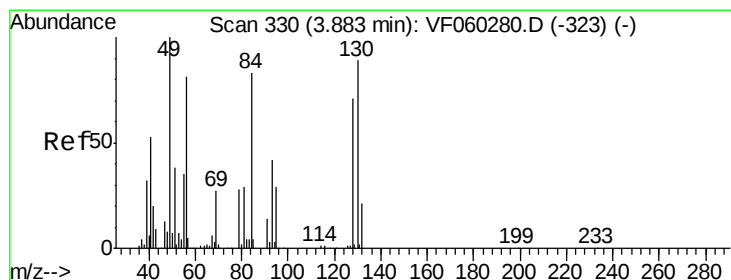
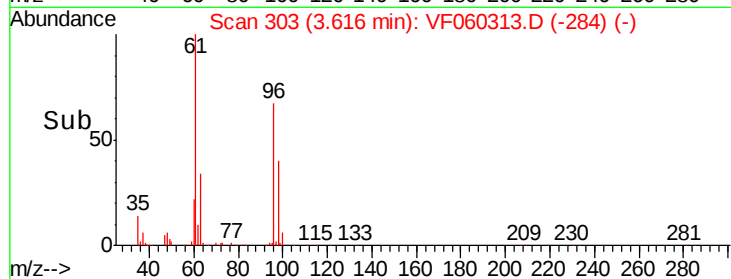
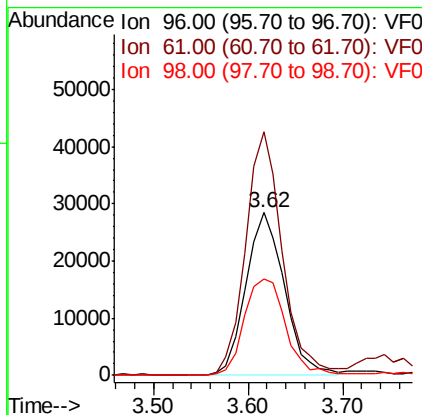
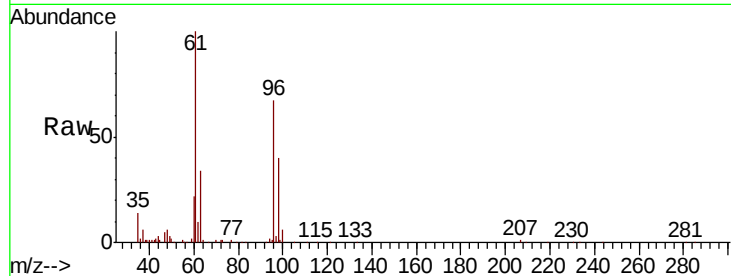
cis-1,2-Dichloroethene
Concen: 21.956 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.8	0.0	304.8	
98	59.2	0.0	146.4	

Manual Integrations
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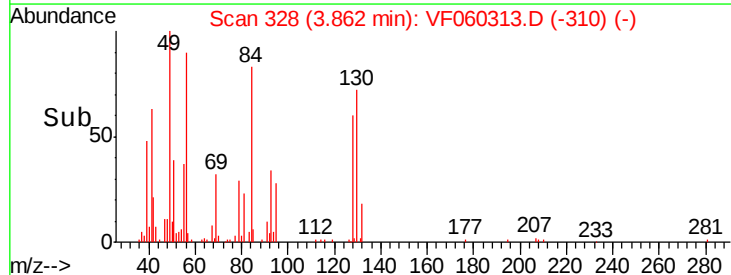
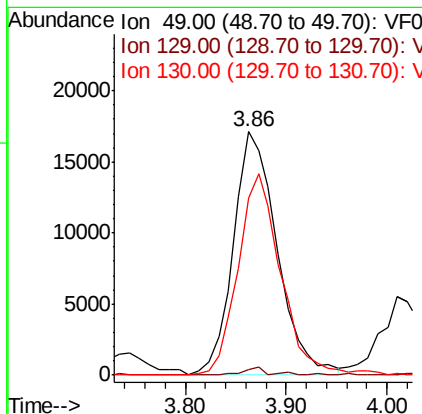
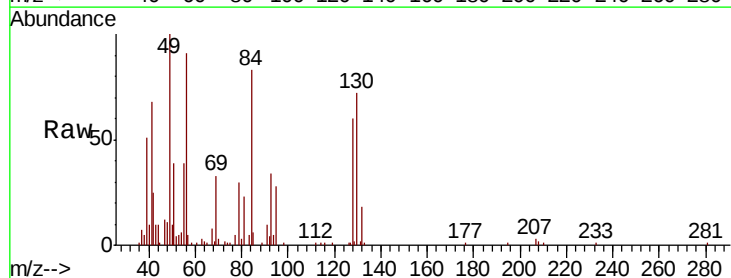
apatel
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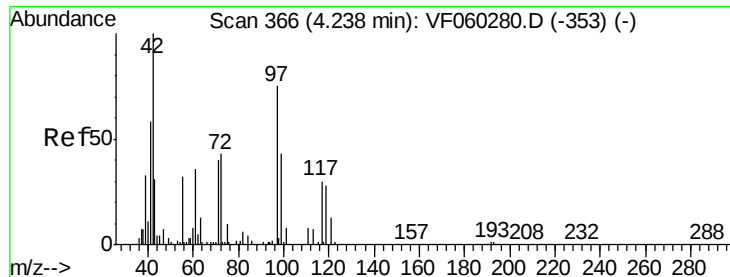


#28

Bromochloromethane
Concen: 22.970 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	72.5	70.3	105.5	





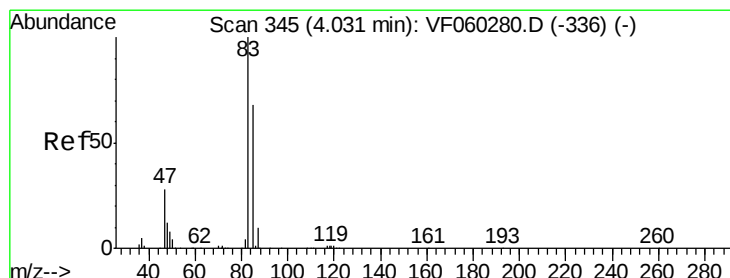
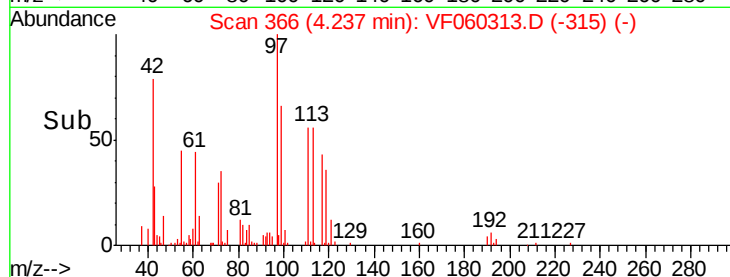
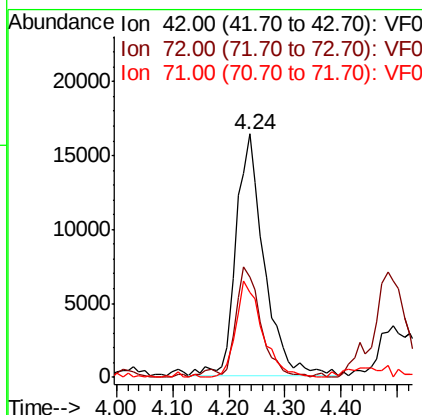
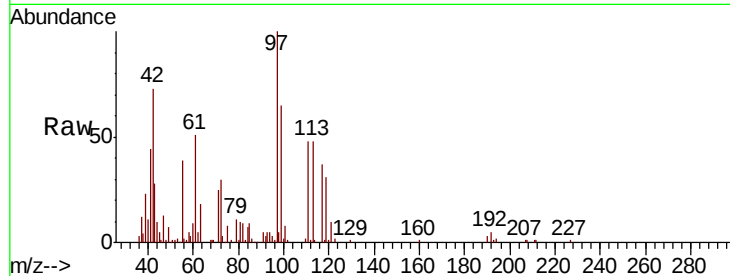
#29
Tetrahydrofuran
Concen: 128.454 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.6	49.0
71	37.4	32.7	49.1

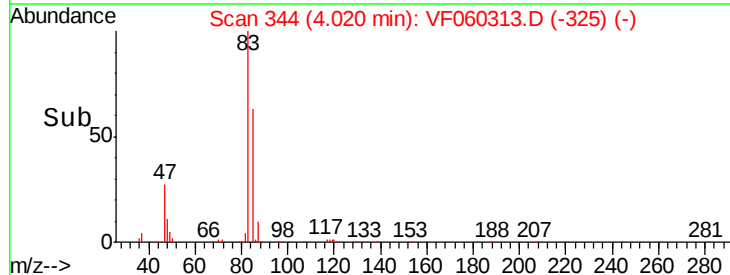
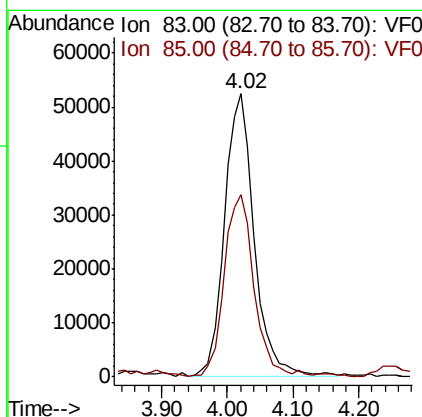
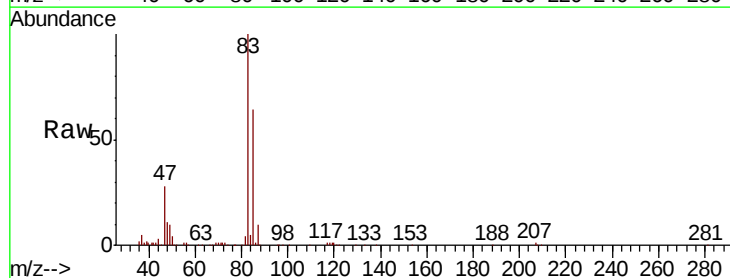
Manual Integrations
APPROVED

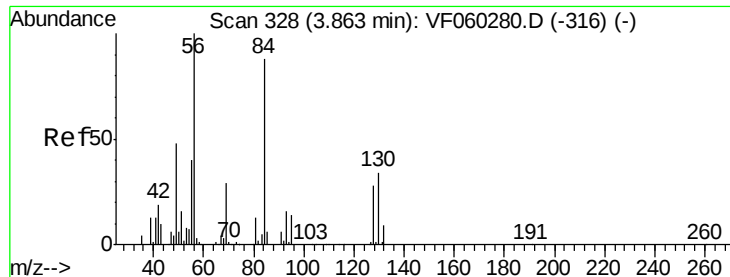
apatel
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#30
Chloroform
Concen: 23.415 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.9	82.3





#31

Cyclohexane

Concen: 22.231 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

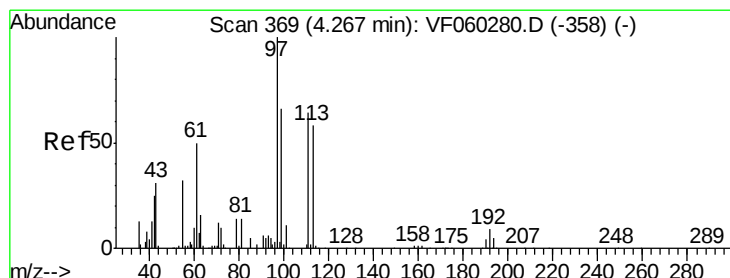
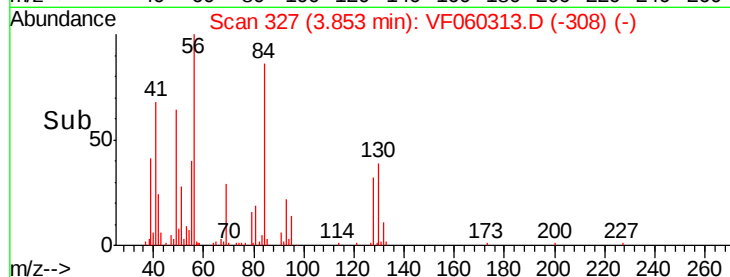
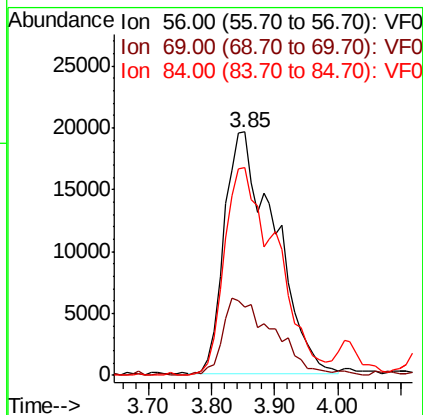
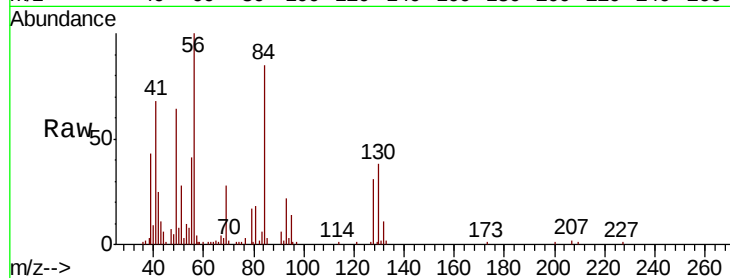
ClientSampleId :

VF0921SBS01

Tot Ion:	56	Resp:	108695
Ion Ratio	Lower	Upper	
56	100		
69	28.2	23.8	35.6
84	85.3	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.969 ug/l

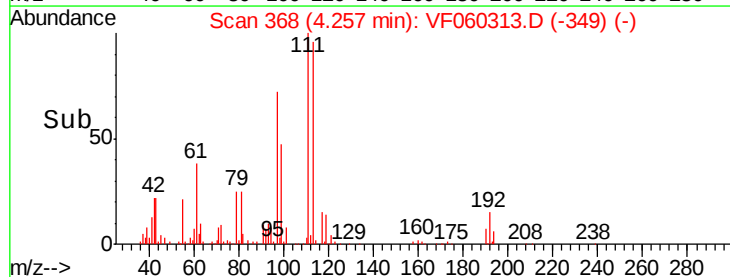
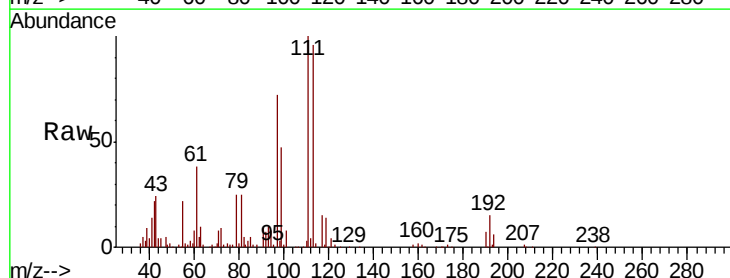
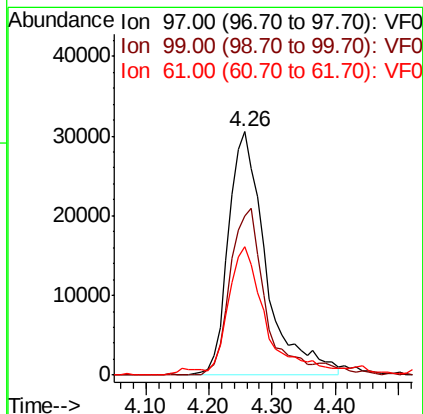
RT: 4.26 min Scan# 368

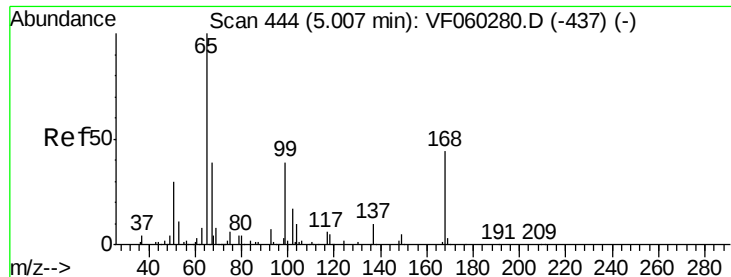
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	97	Resp:	126581
Ion Ratio	Lower	Upper	
97	100		
99	65.2	53.0	79.4
61	52.9	40.6	61.0





#33

1,2-Dichloroethane-d4

Concen: 55.641 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 65 Resp: 178476

Ion Ratio Lower Upper

65 100

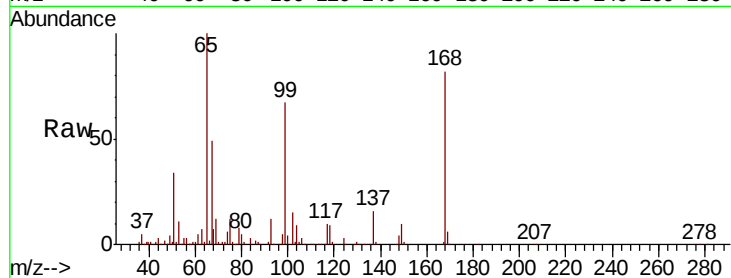
67 48.9 0.0 94.4

Manual Integrations

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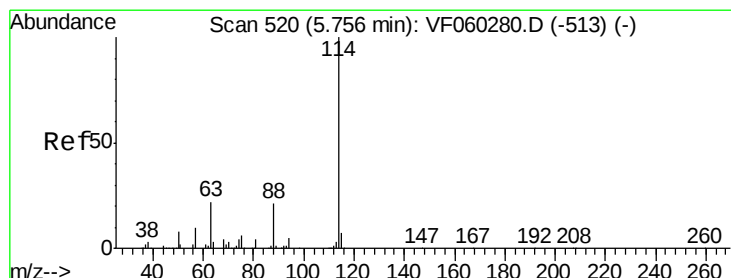
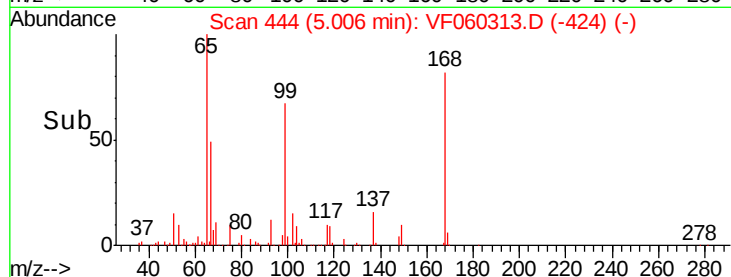
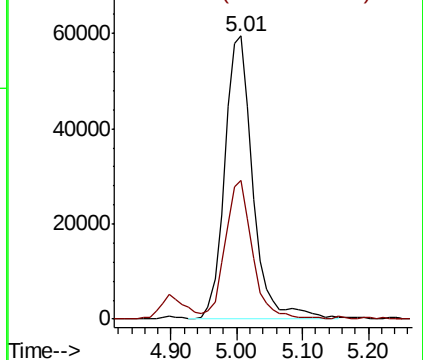
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

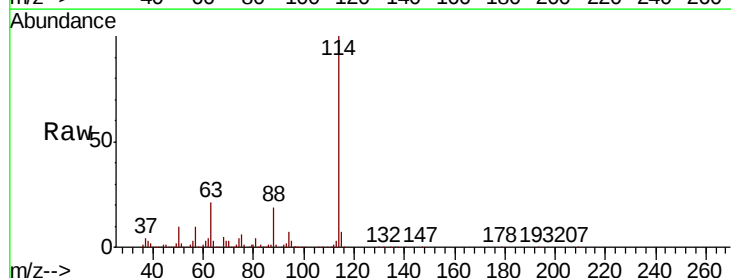
Tgt Ion: 114 Resp: 414876

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

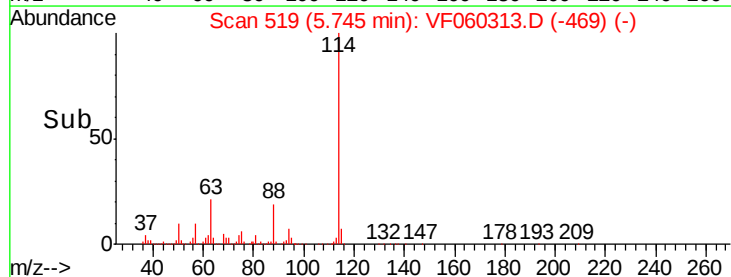
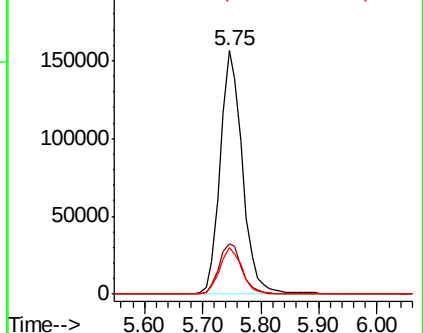
88 19.2 0.0 41.2

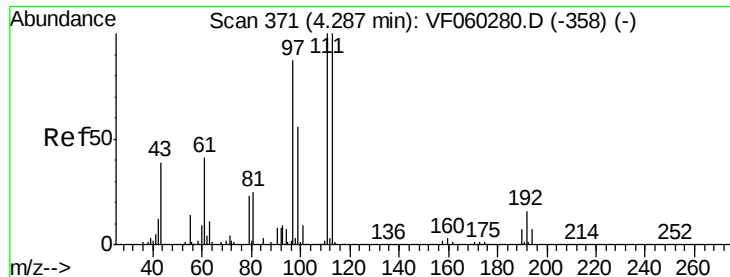


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

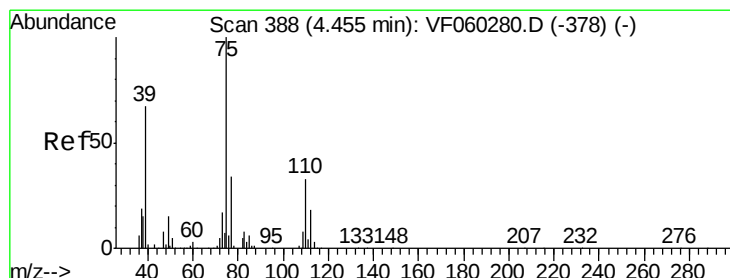
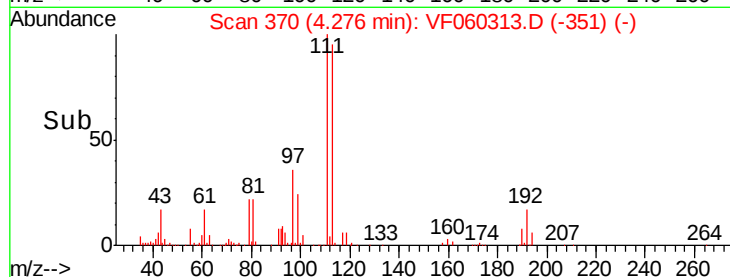
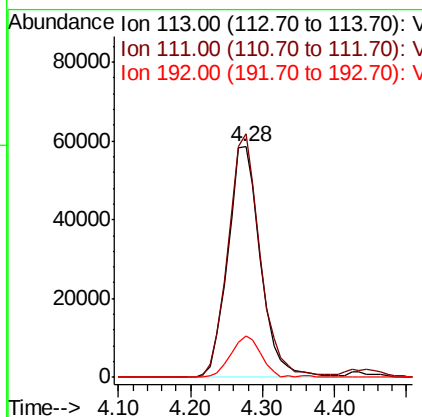
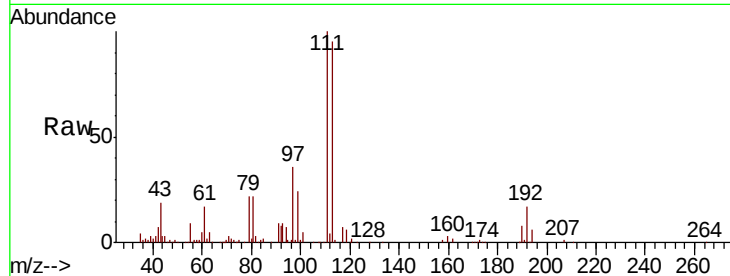
ClientSampleId :

VF0921SBS01

Tot Ion:	113	Resp:	184855
Ion Ratio	Lower	Upper	
113	100		
111	105.5	79.6	119.4
192	17.7	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.441 ug/l

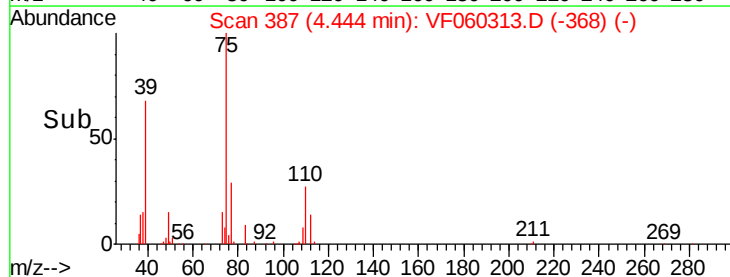
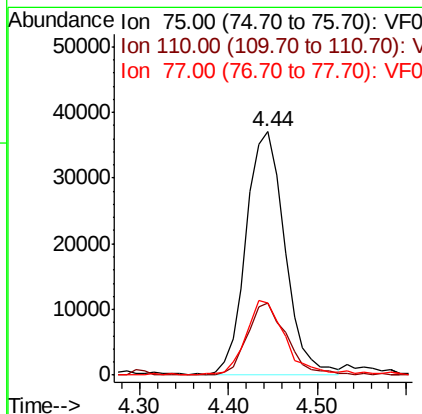
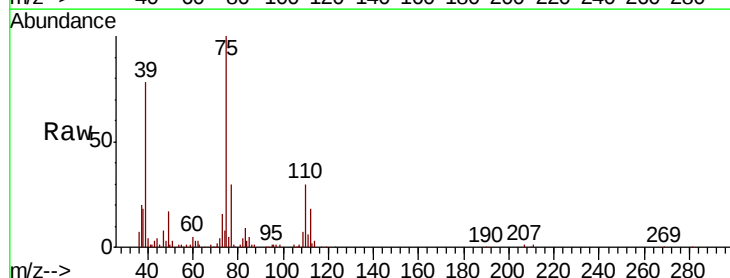
RT: 4.44 min Scan# 387

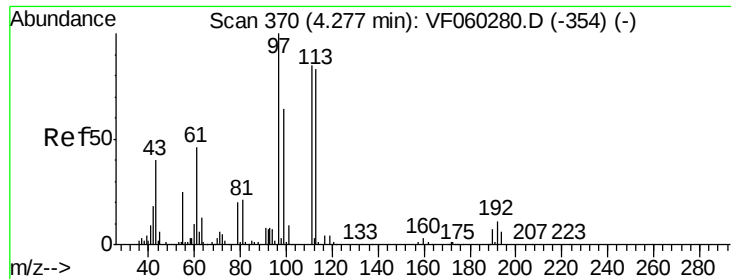
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	75	Resp:	110957
Ion Ratio	Lower	Upper	
75	100		
110	29.6	16.4	49.2
77	29.7	27.3	40.9





#37

Ethyl Acetate

Concen: 22.430 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

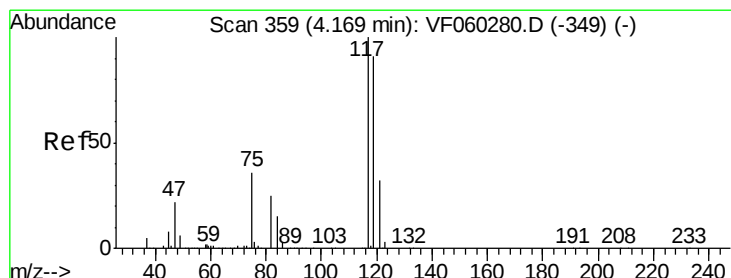
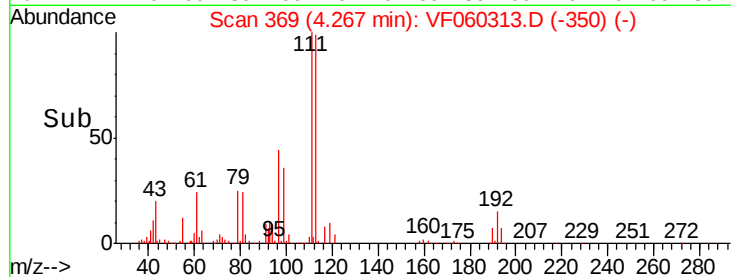
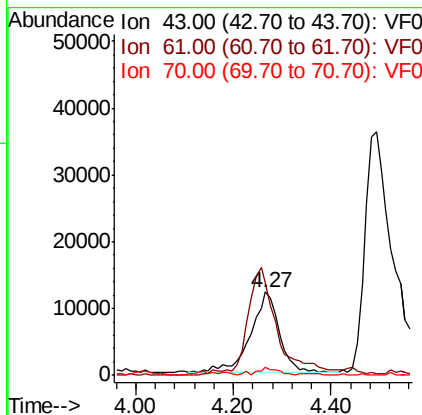
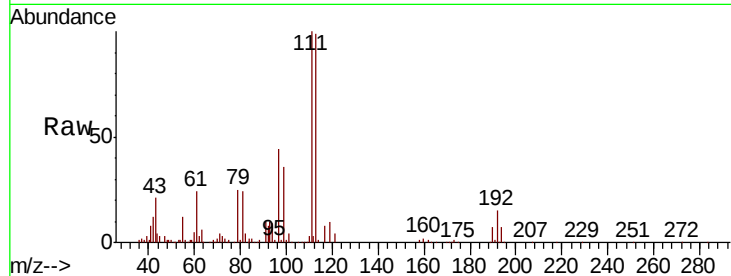
ClientSampleId :

VF0921SBS01

Tot Ion:	43	Resp:	49114
Ion	Ratio	Lower	Upper
43	100		
61	111.6	91.1	136.7
70	9.1	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.070 ug/l m

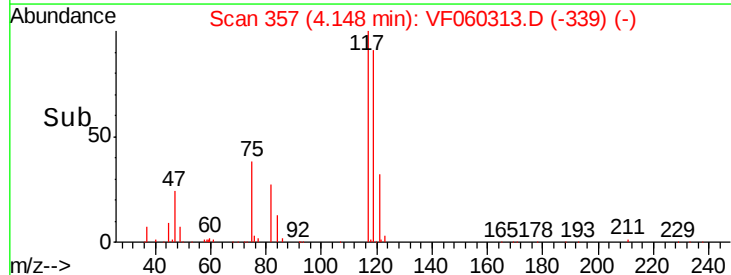
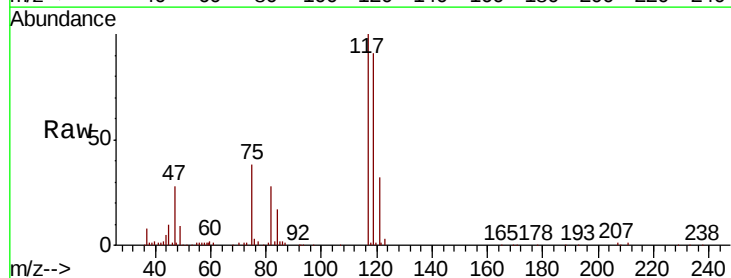
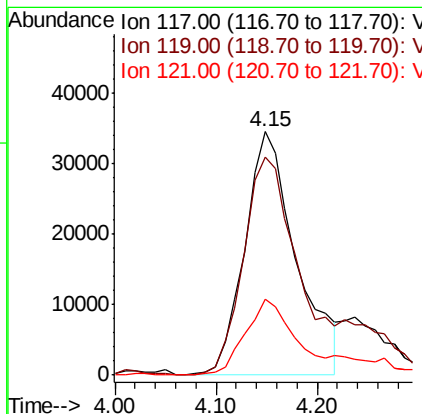
RT: 4.15 min Scan# 357

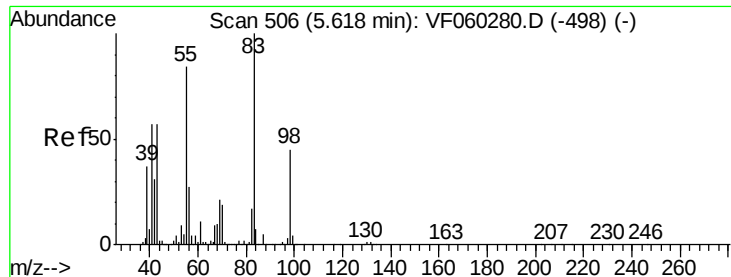
Delta R.T. -0.02 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	117	Resp:	122678
Ion	Ratio	Lower	Upper
117	100		
119	90.6	73.0	109.6
121	31.6	25.4	38.2





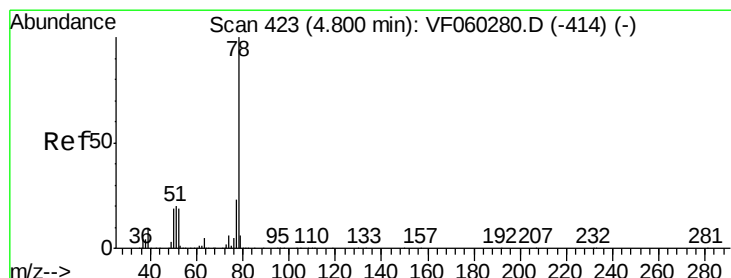
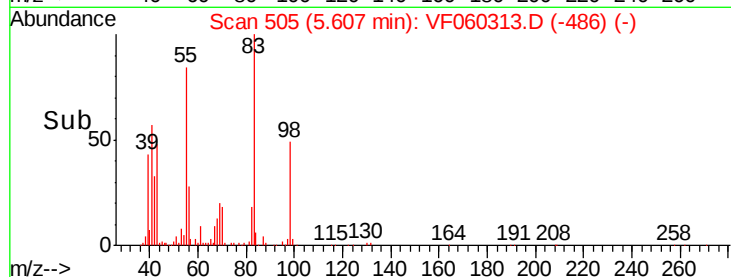
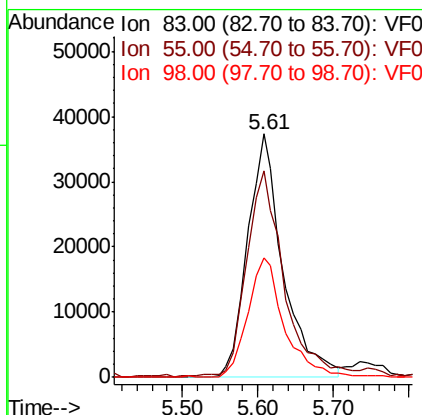
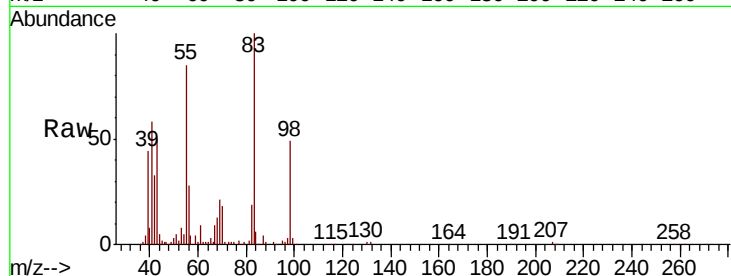
#39
Methvlcvclohexane
Concen: 21.775 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion:	83	Resp:	122127
Ion Ratio	Lower	Upper	
83	100		
55	84.9	67.3	100.9
98	49.0	36.1	54.1

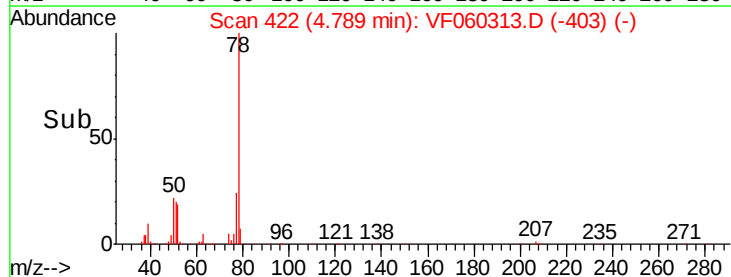
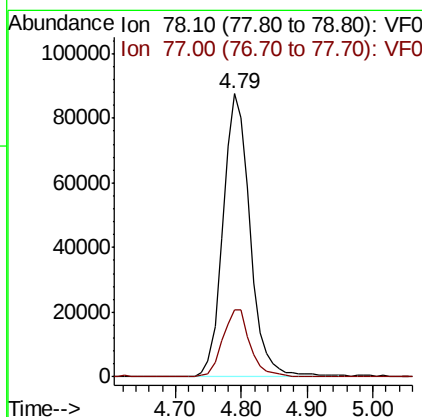
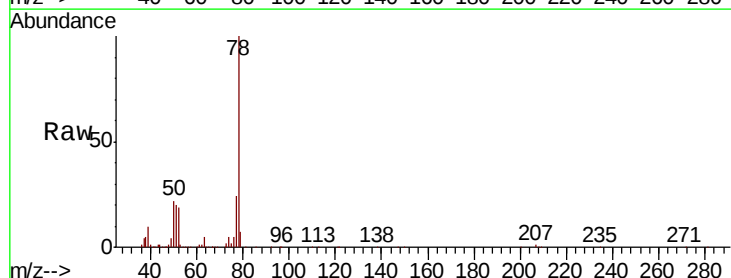
Manual Integrations
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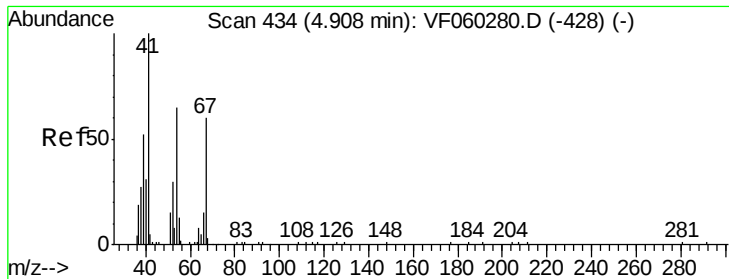
apatel
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#40
Benzene
Concen: 21.571 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion:	78	Resp:	253122
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.4	27.6





#41

Methacrylonitrile

Concen: 22.640 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

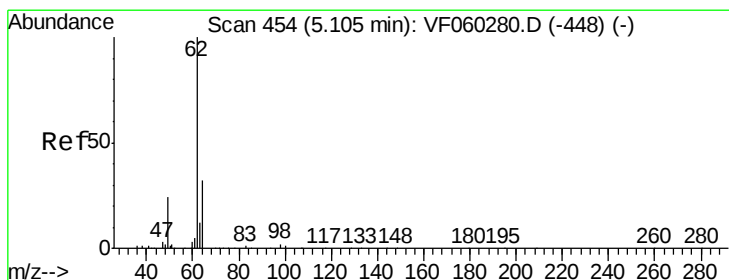
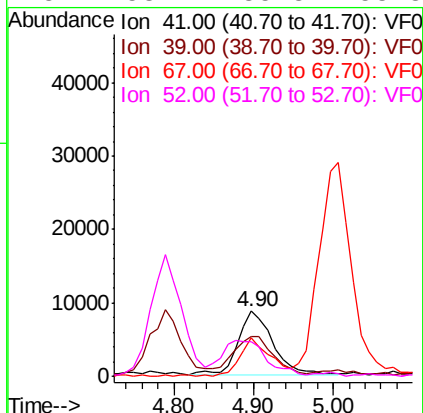
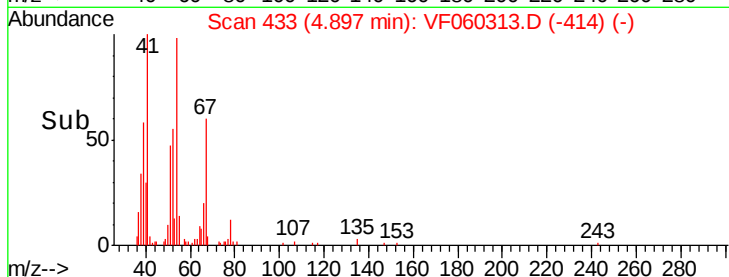
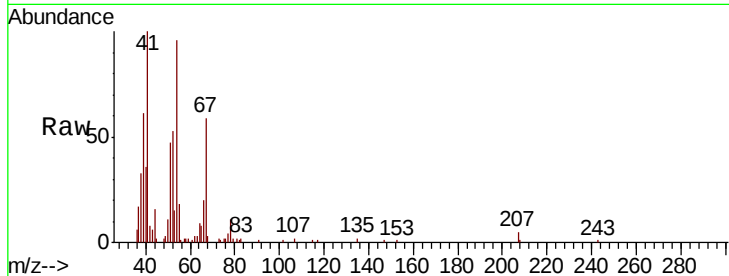
ClientSampleId :

VF0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.8	49.1	73.7	
67	58.9	48.2	72.4	
52	53.1	35.8	53.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.628 ug/l

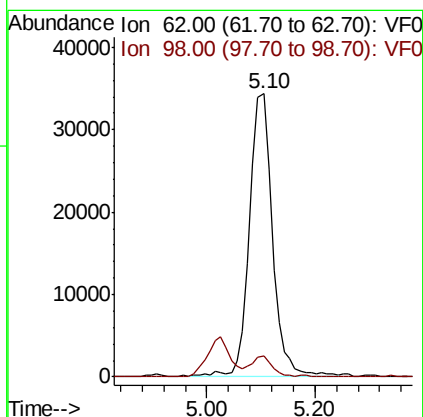
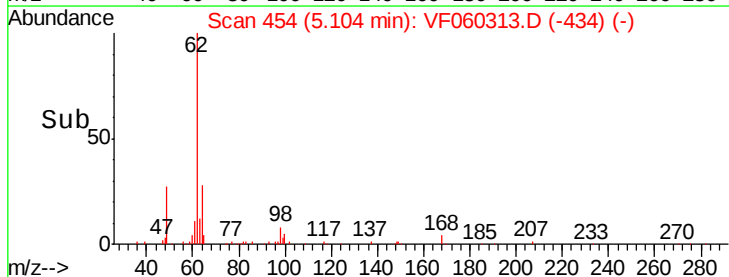
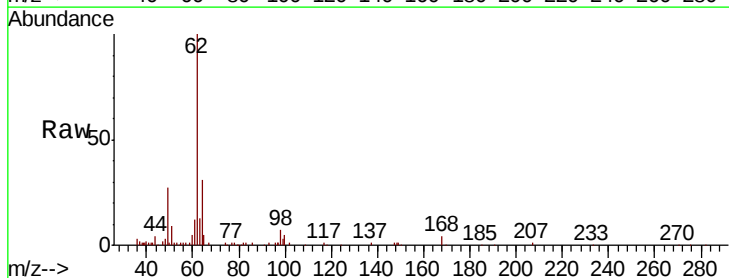
RT: 5.10 min Scan# 454

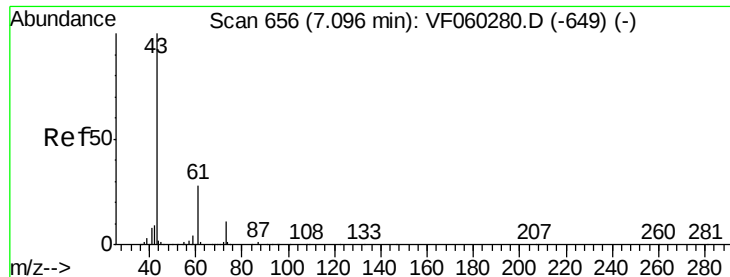
Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	14.4	





#43

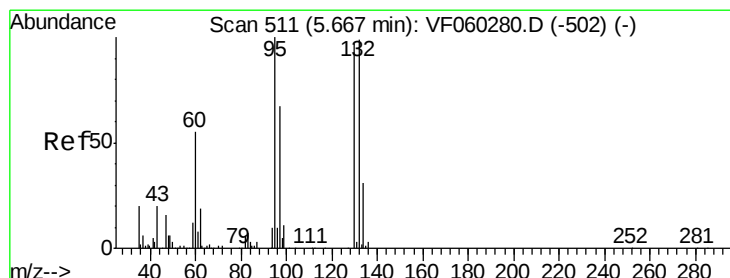
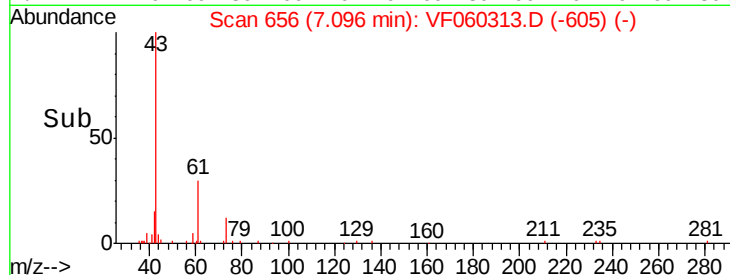
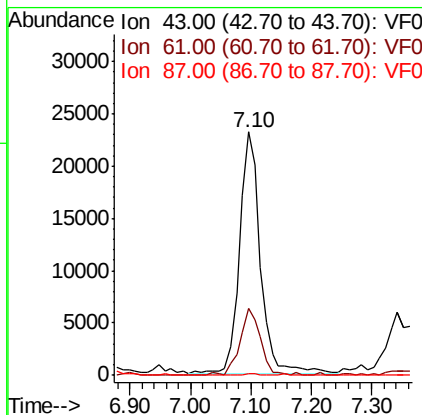
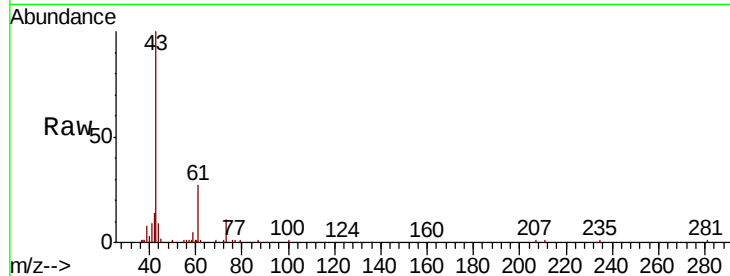
Isopropyl Acetate
 Concen: 21.028 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.4	33.6
87	0.5	0.6	0.8

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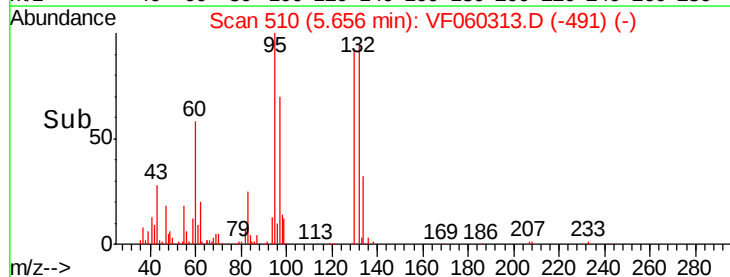
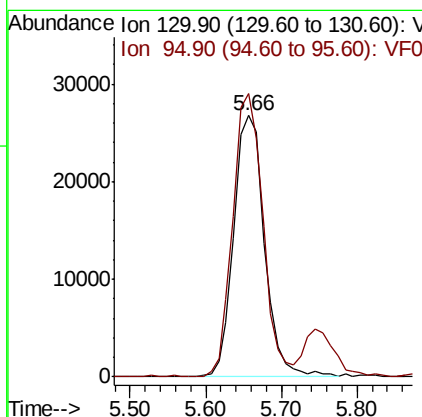
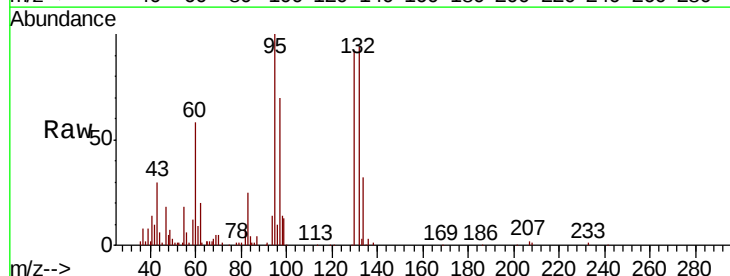
apatel
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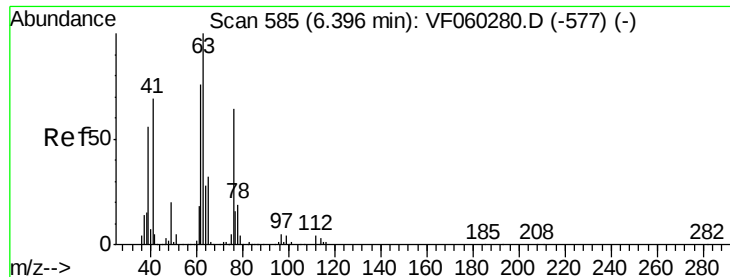


#44

Trichloroethene
 Concen: 21.536 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	205.6





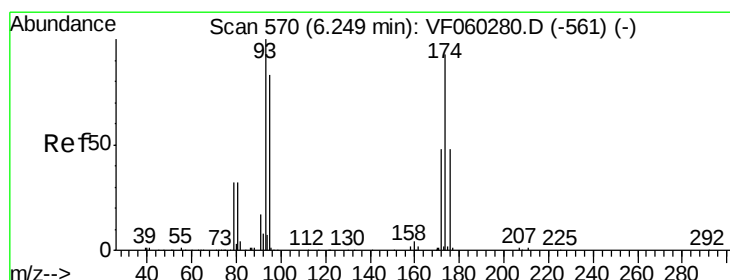
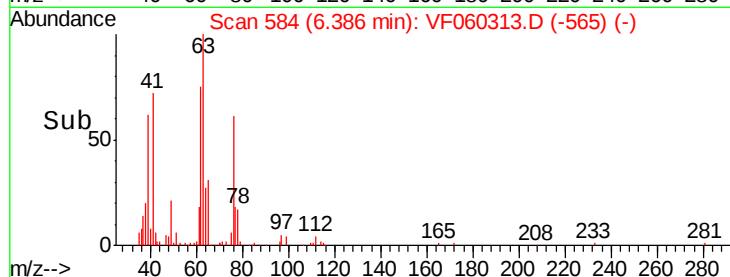
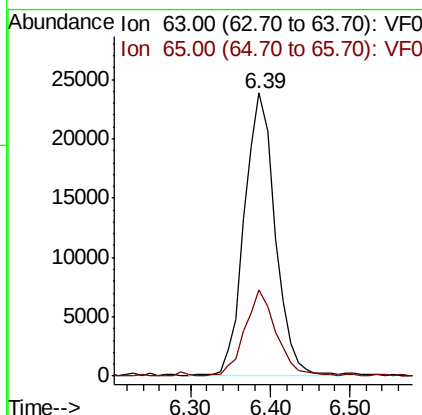
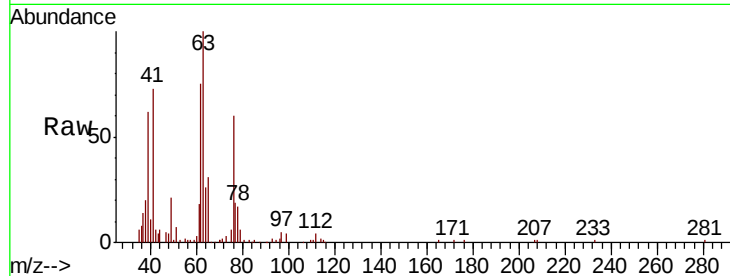
#45
 1,2-Dichloropropane
 Concen: 21.017 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	26.2	39.4

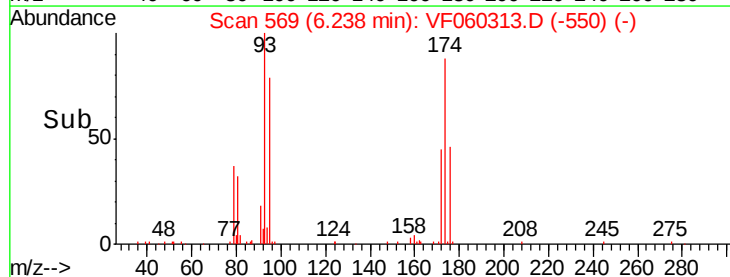
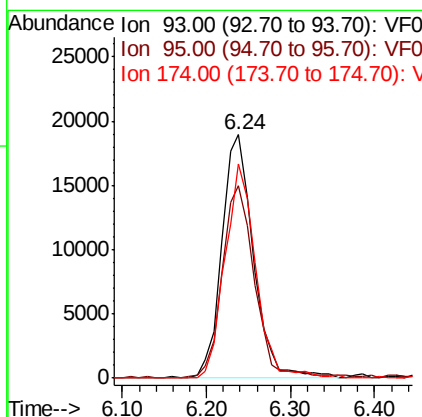
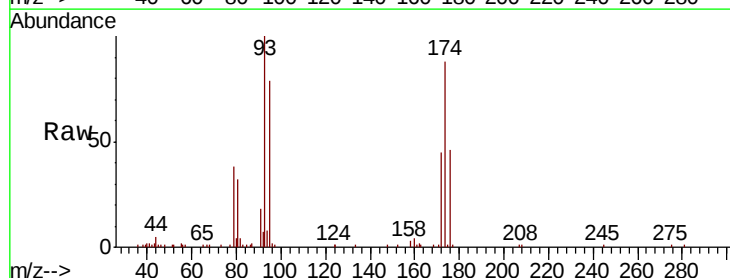
Manual Integrations
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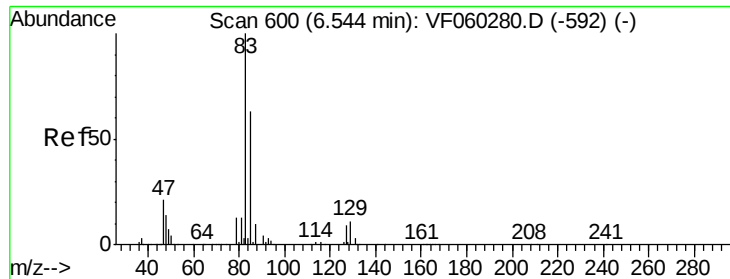
apatel
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#46
 Dibromomethane
 Concen: 22.865 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.1	67.0	100.6
174	88.0	74.8	112.2





#47

Bromodichloromethane

Concen: 22.025 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

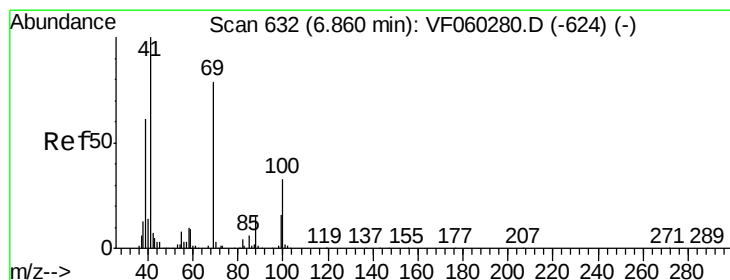
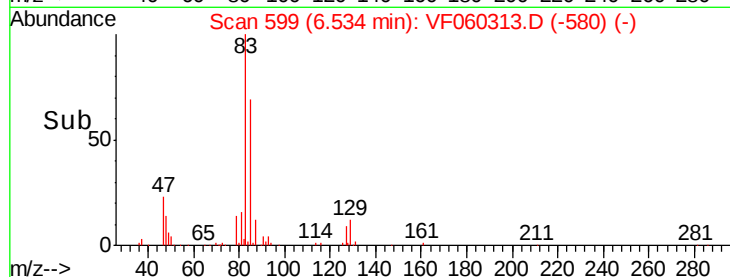
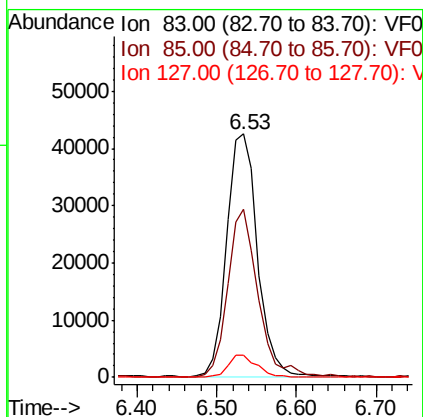
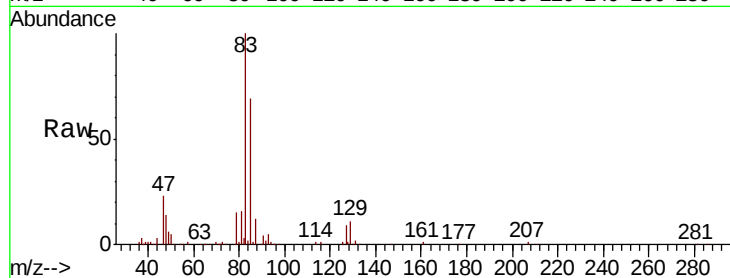
ClientSampleId :

VF0921SBS01

Tot Ion:	83	Resp:	114895
Ion Ratio	Lower	Upper	
83	100		
85	68.8	50.6	76.0
127	10.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.433 ug/l

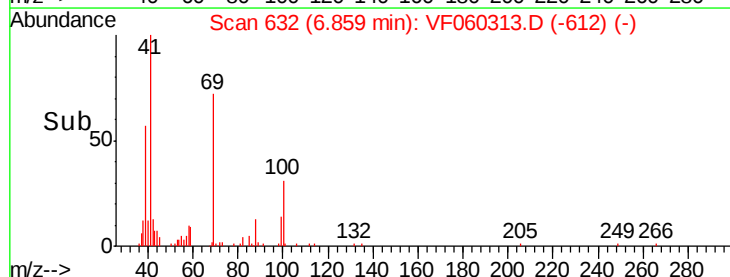
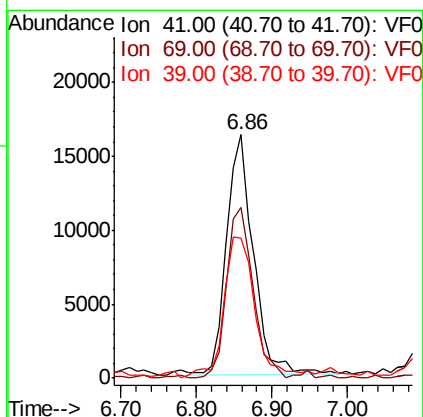
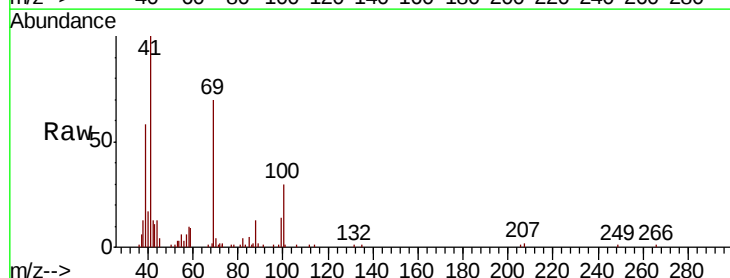
RT: 6.86 min Scan# 632

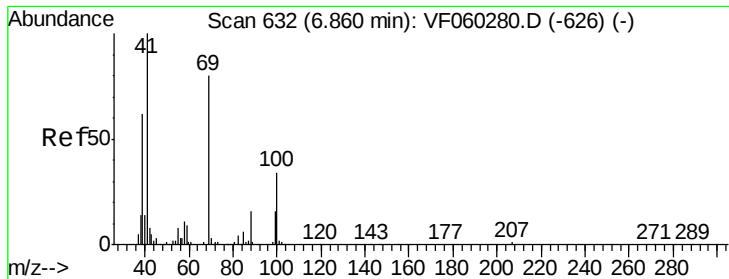
Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	41	Resp:	39661
Ion Ratio	Lower	Upper	
41	100		
69	70.0	62.6	94.0
39	57.6	49.1	73.7





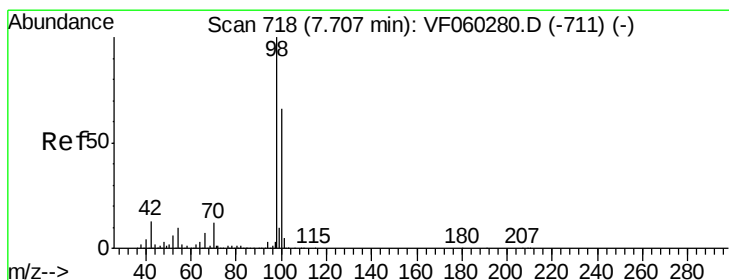
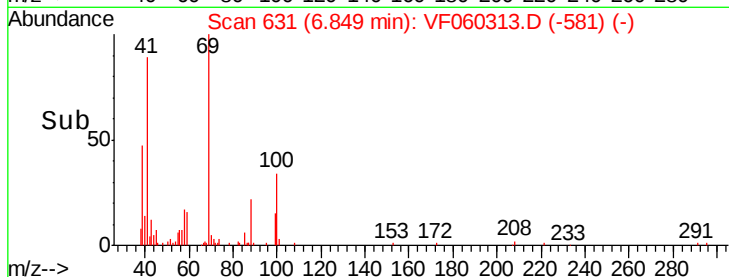
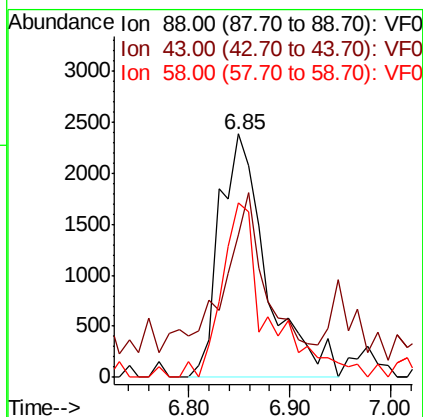
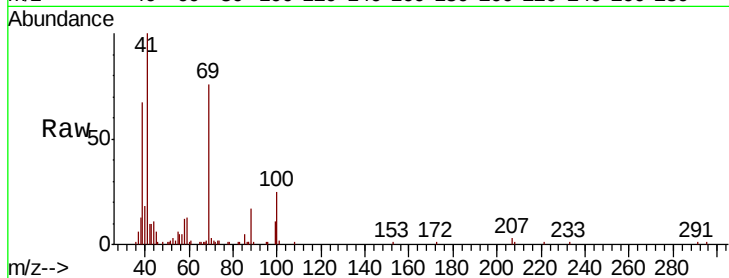
#49
1,4-Dioxane
Concen: 468.248 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.7	40.2	60.4
58	71.8	56.7	85.1

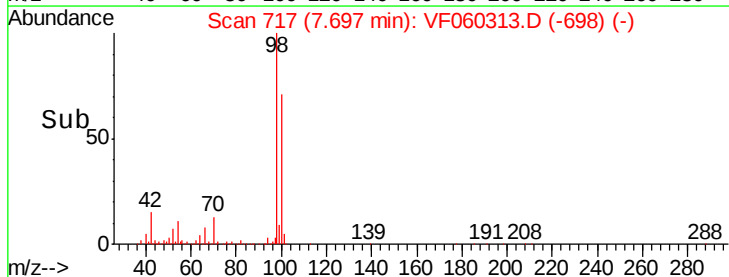
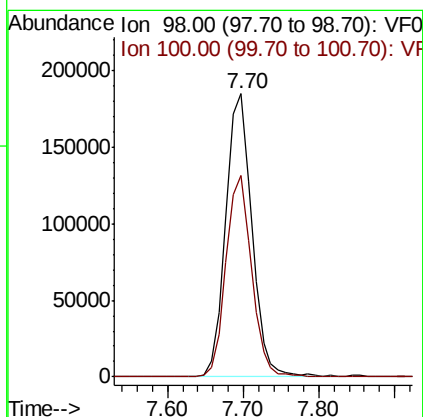
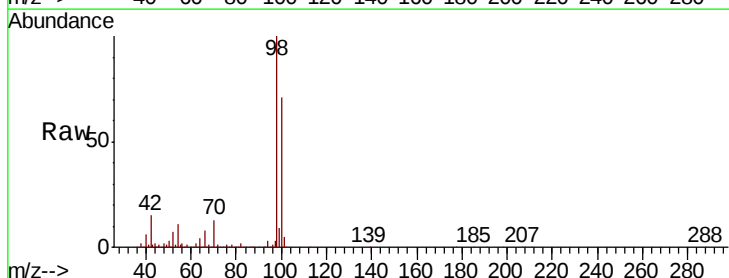
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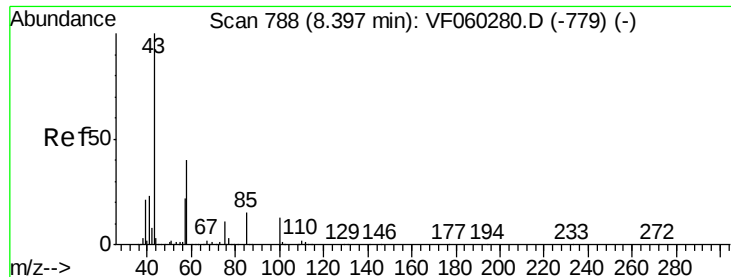
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#50
Toluene-d8
Concen: 46.005 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 107.051 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 43 Resp: 217499

Ion Ratio Lower Upper

43 100

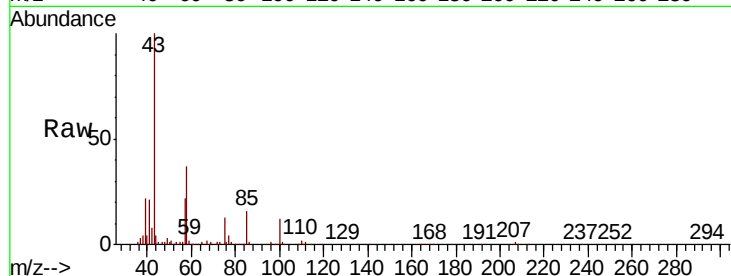
58 37.2 31.8 47.8

Manual Integrations

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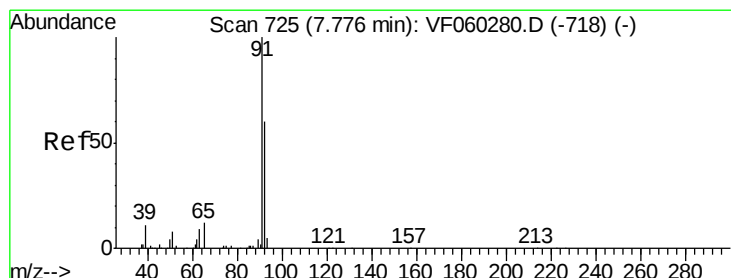
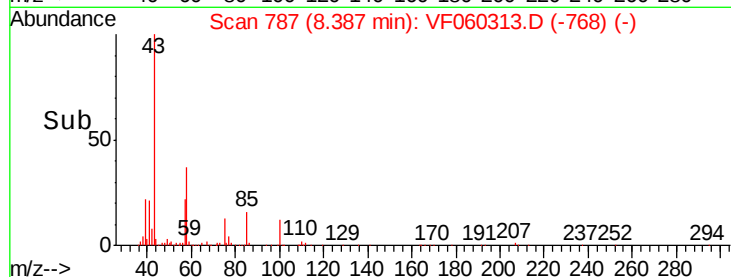
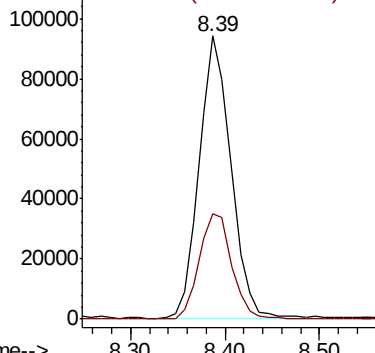
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.106 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060313.D

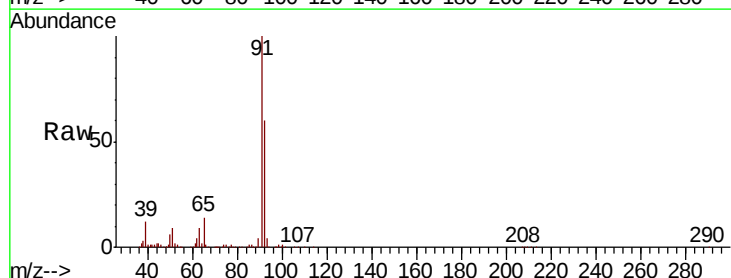
Acq: 21 Sep 2018 13:46

Tgt Ion: 92 Resp: 156676

Ion Ratio Lower Upper

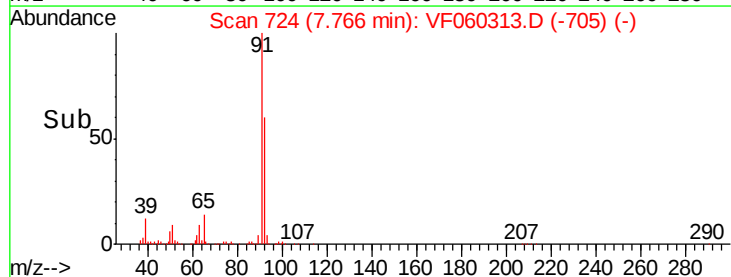
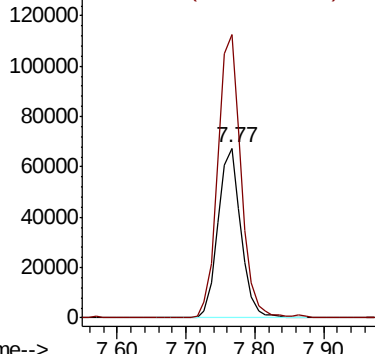
92 100

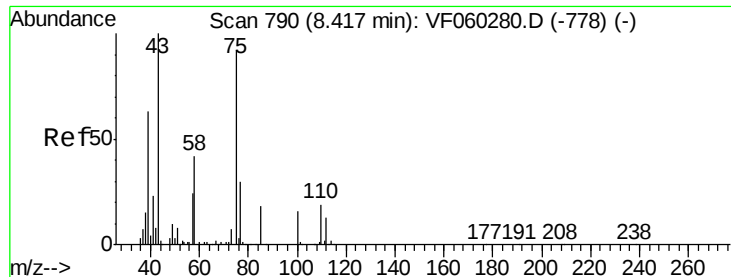
91 166.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.137 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tot Ion: 75 Resp: 97358

Ion Ratio Lower Upper

75 100

77 35.4 25.9 38.9

Instrument :

MSVOA_F

ClientSampleId :

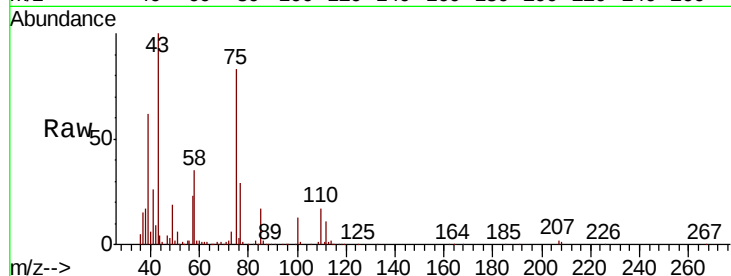
VF0921SBS01

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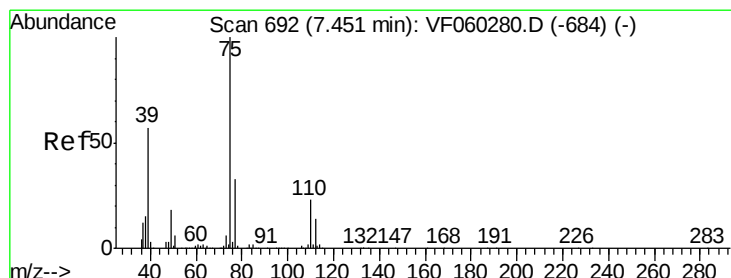
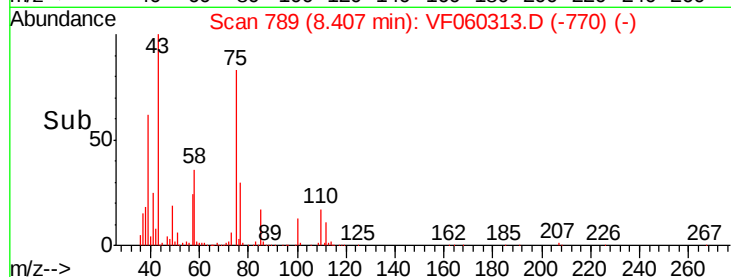
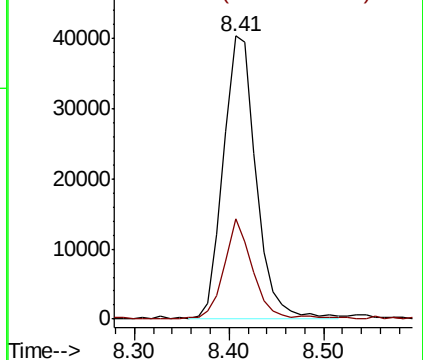
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.096 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

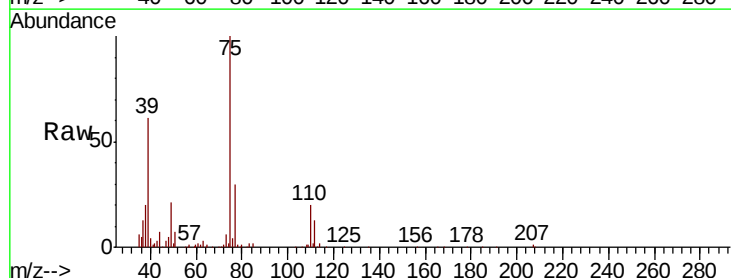
Tgt Ion: 75 Resp: 106530

Ion Ratio Lower Upper

75 100

77 30.4 26.3 39.5

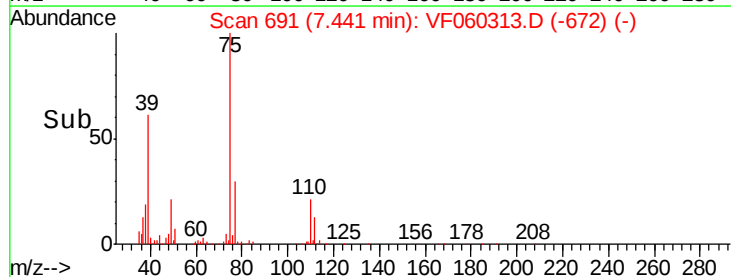
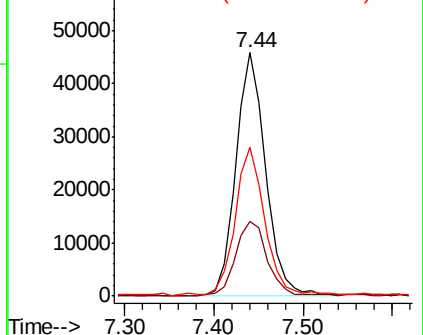
39 61.1 46.1 69.1

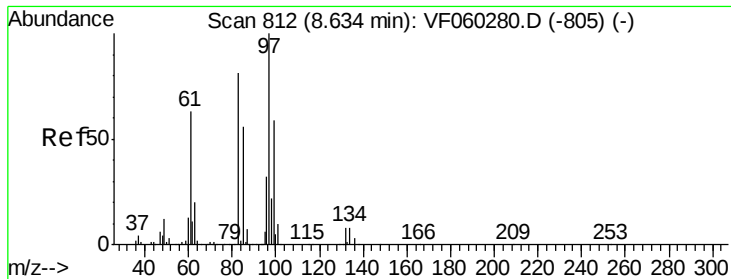


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.048 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

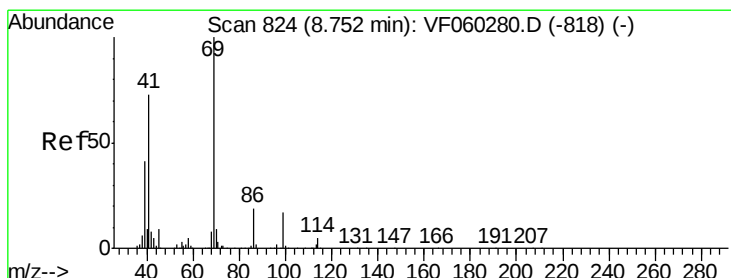
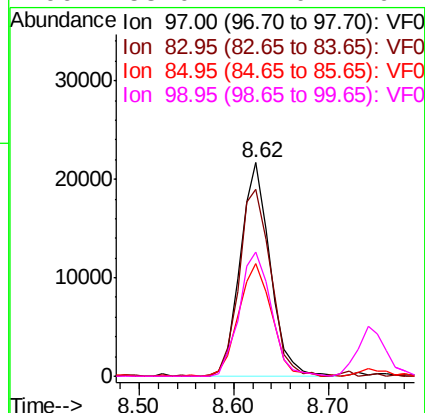
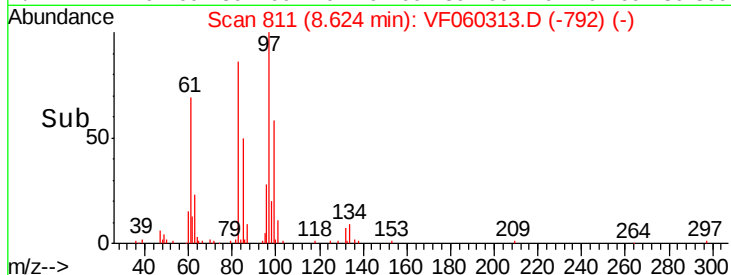
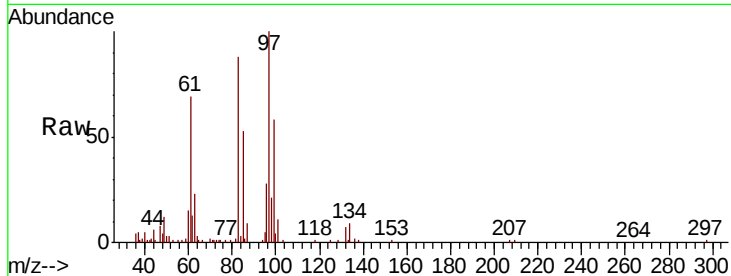
ClientSampleId :

VF0921SBS01

Tot Ion:	97	Resp:	47423
Ion	Ratio	Lower	Upper
97	100		
83	87.6	65.3	97.9
85	53.0	44.7	67.1
99	58.0	47.0	70.4

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#56

Ethyl methacrylate

Concen: 20.456 ug/l

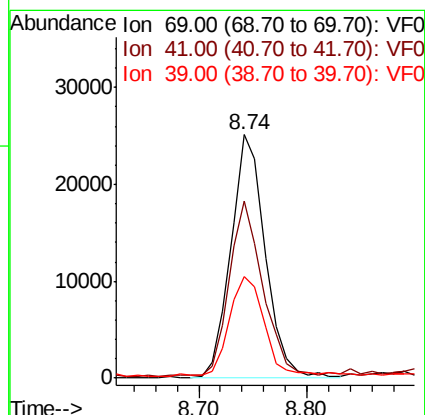
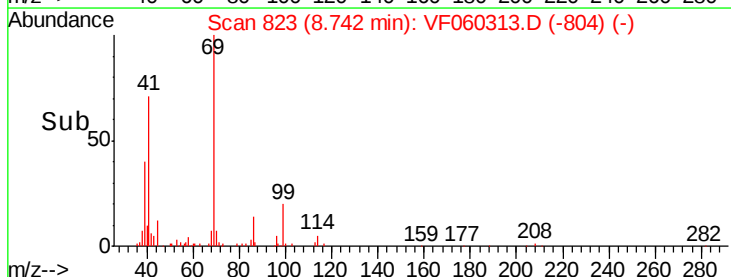
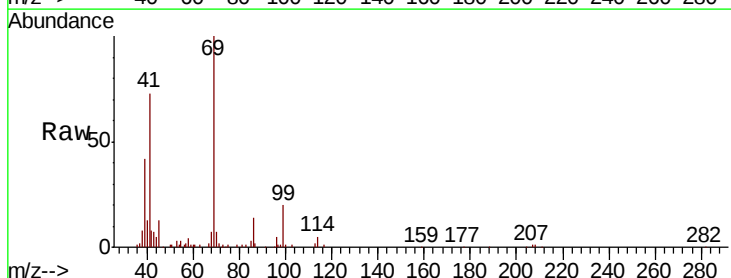
RT: 8.74 min Scan# 823

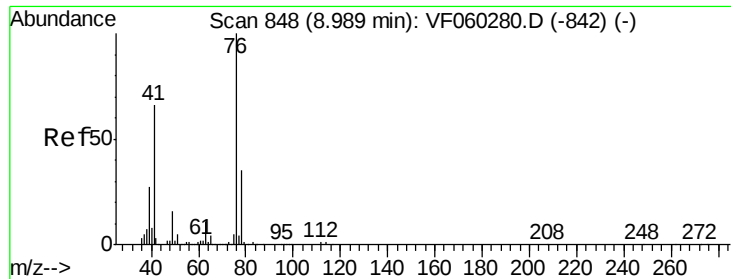
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	69	Resp:	55662
Ion	Ratio	Lower	Upper
69	100		
41	73.0	59.4	89.2
39	41.6	33.5	50.3





#57

1,3-Dichloropropane

Concen: 22.204 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 76 Resp: 82834

Ion Ratio Lower Upper

76 100

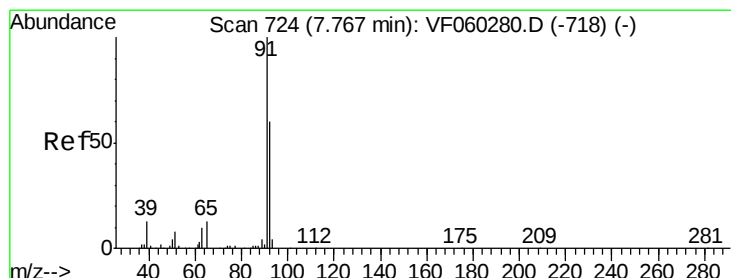
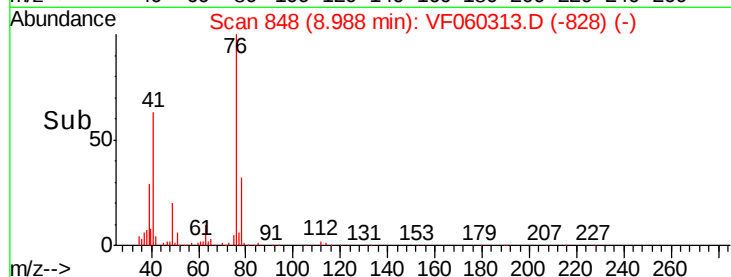
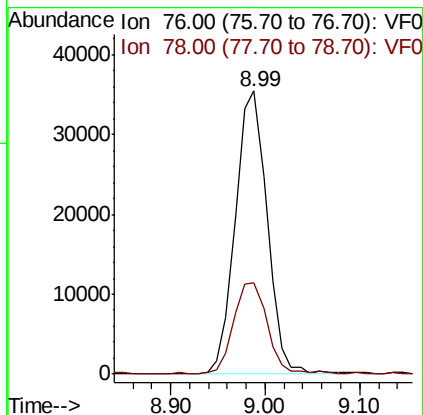
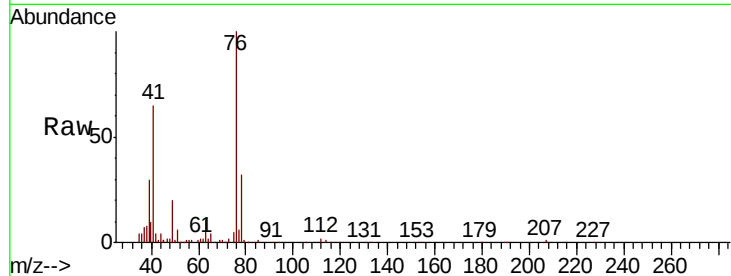
78 32.2 28.2 42.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 107.544 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060313.D

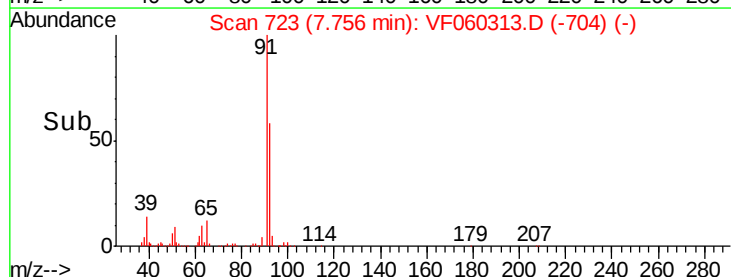
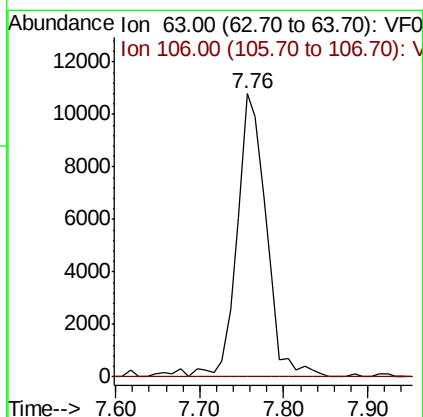
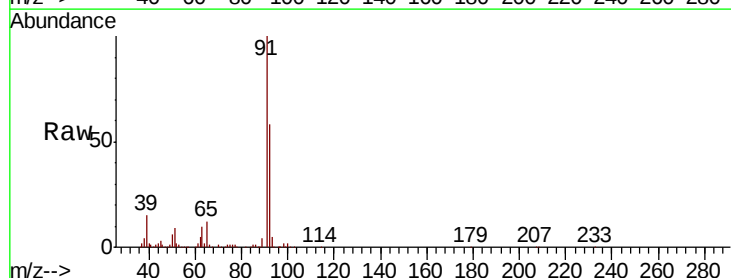
Acq: 21 Sep 2018 13:46

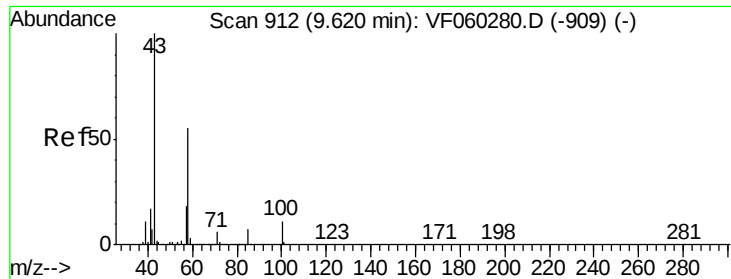
Tgt Ion: 63 Resp: 25870

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 110.324 ug/l

RT: 9.62 min Scan# 912

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 43 Resp: 159596

Ion Ratio Lower Upper

43 100

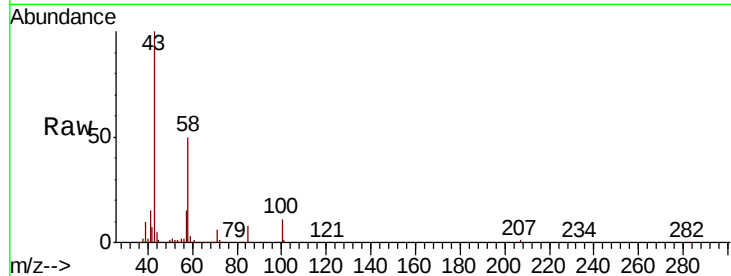
58 50.1 25.9 77.6

Manual Integrations

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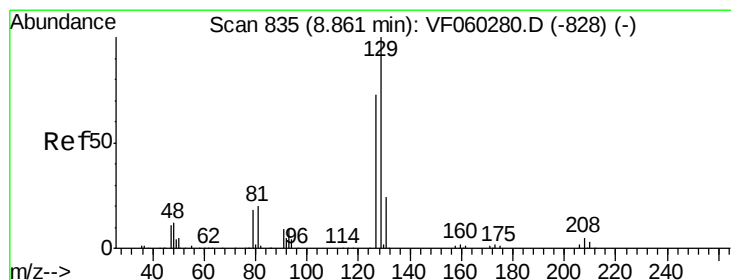
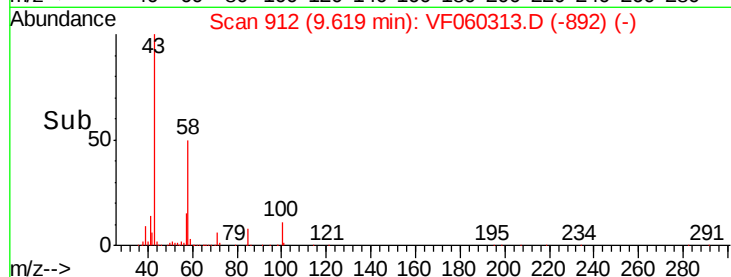
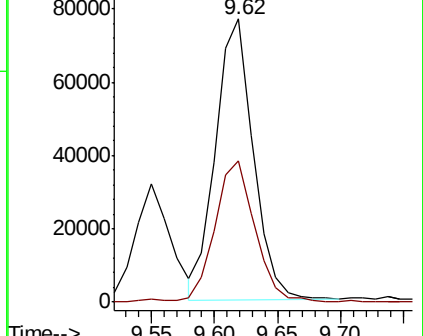
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 22.750 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060313.D

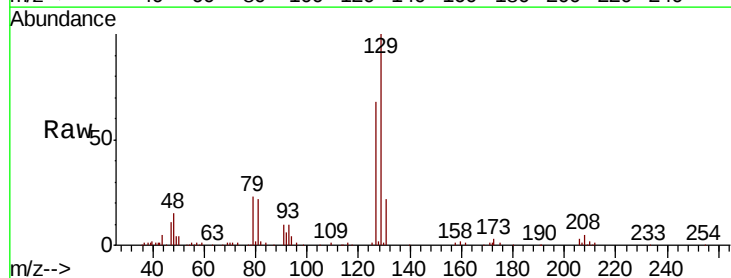
Acq: 21 Sep 2018 13:46

Tgt Ion: 129 Resp: 76397

Ion Ratio Lower Upper

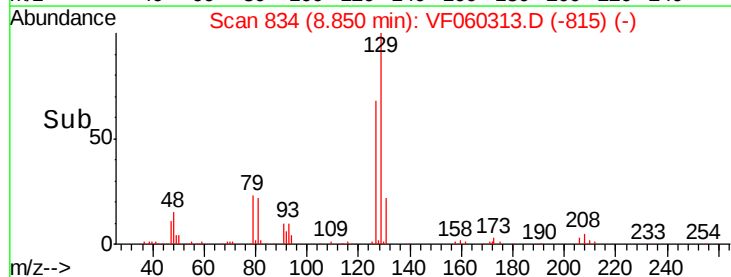
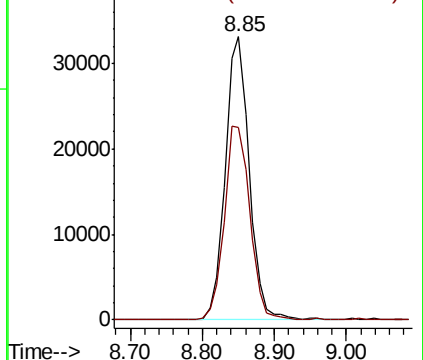
129 100

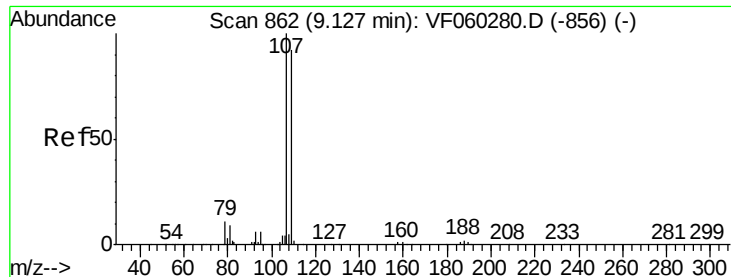
127 68.1 36.6 109.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 22.431 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:107 Resp: 56279

Ion Ratio Lower Upper

107 100

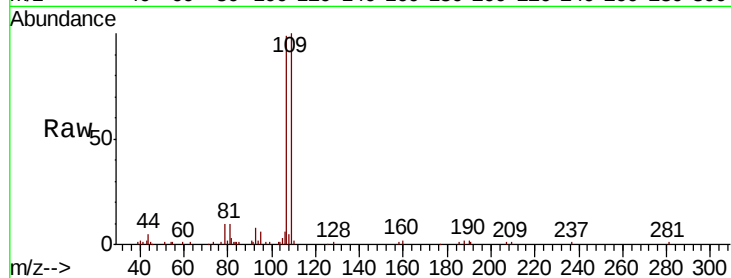
109 100.9 73.2 109.8

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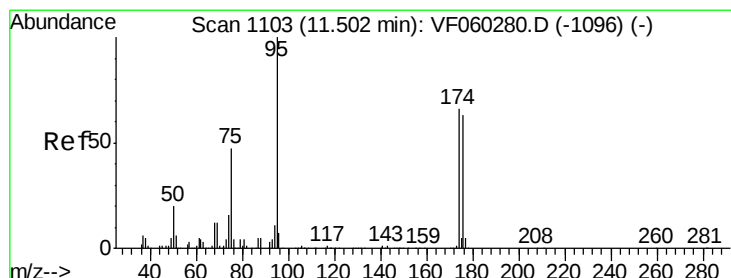
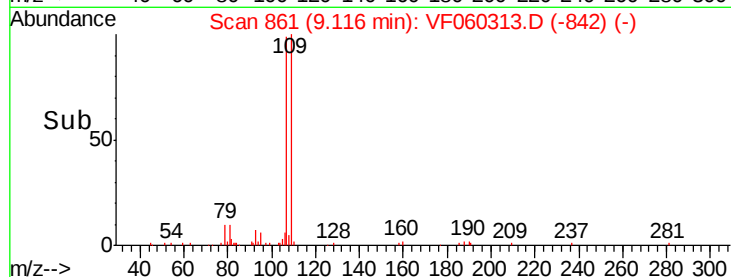
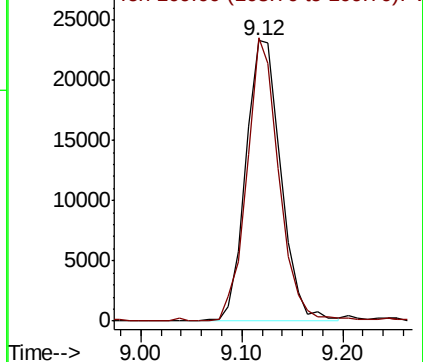
apatel

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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: 48.599 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

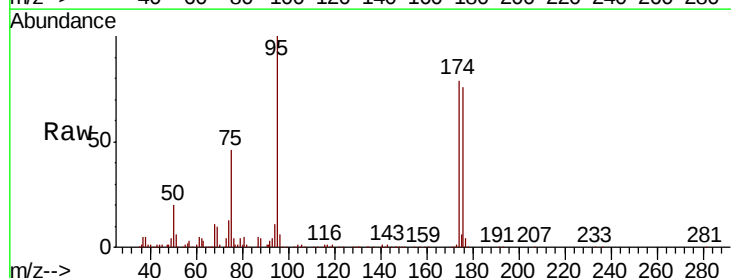
Tgt Ion: 95 Resp: 202331

Ion Ratio Lower Upper

95 100

174 79.0 0.0 131.2

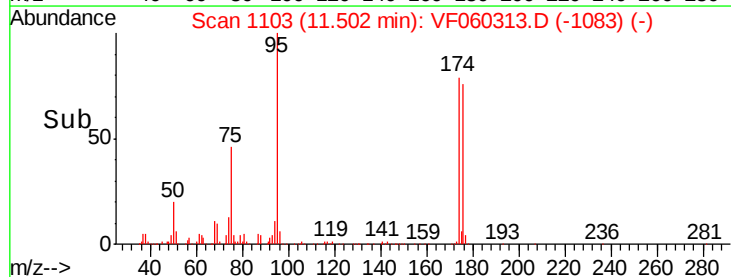
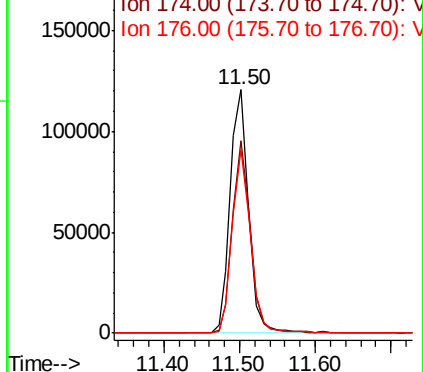
176 75.6 0.0 126.6

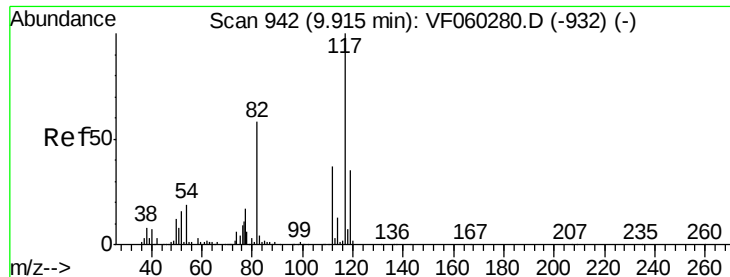


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





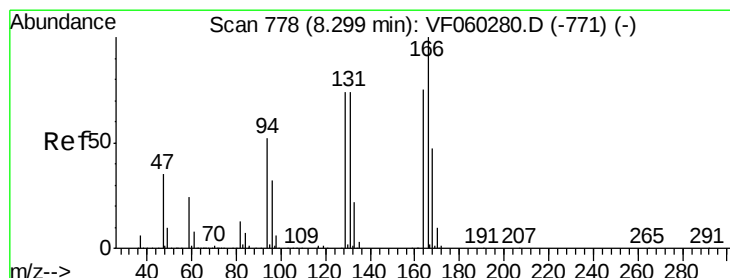
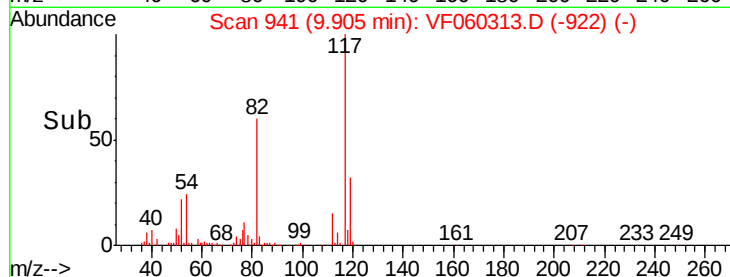
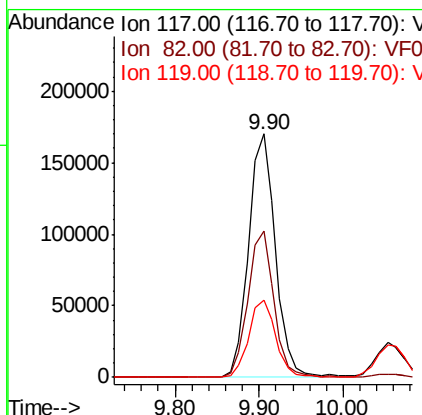
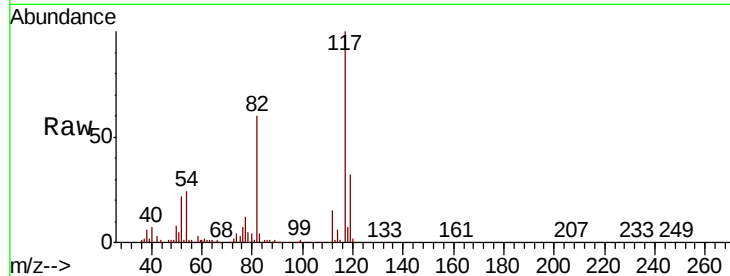
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	380986		
82	60.2		46.2	69.2
119	31.9		27.8	41.6

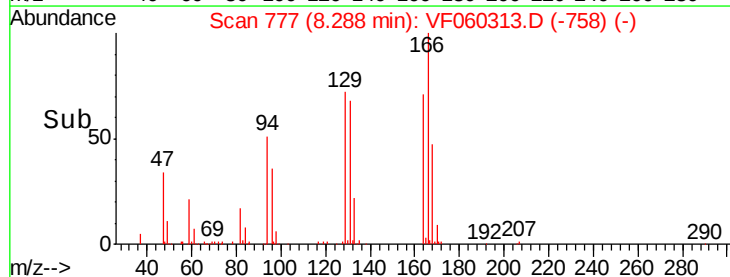
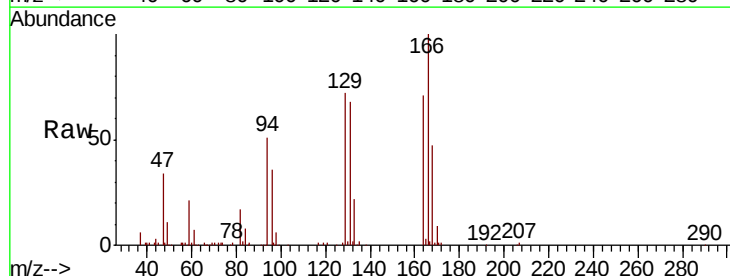
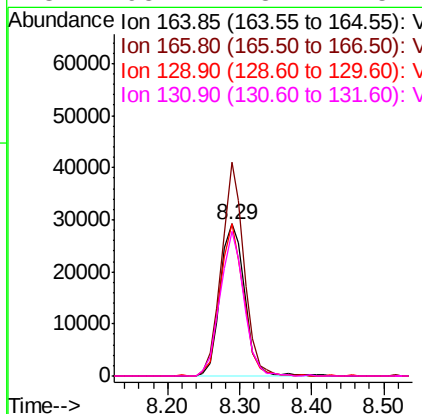
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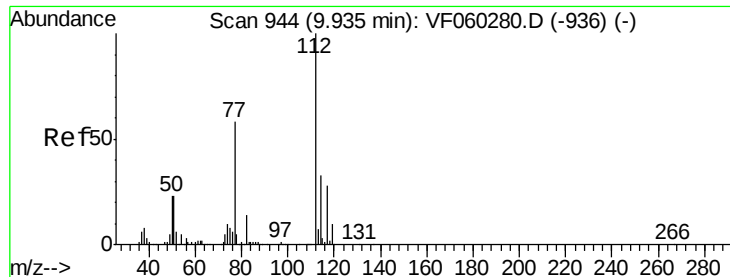
apatel
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#64
Tetrachloroethene
Concen: 19.723 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68117		
166	140.8		106.8	160.2
129	100.8		78.8	118.2
131	95.2		78.7	118.1





#65

Chlorobenzene

Concen: 21.141 ug/l

RT: 9.92 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:112 Resp: 182550

Ion Ratio Lower Upper

112 100

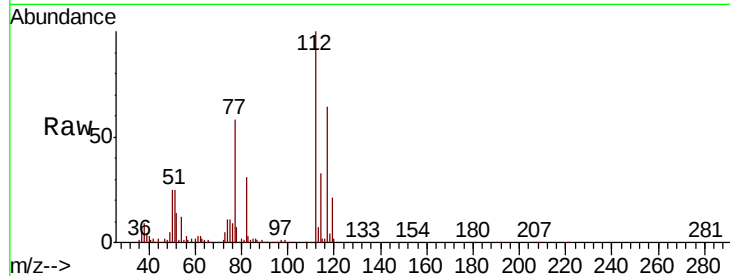
114 32.6 26.6 40.0

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

100000

80000

60000

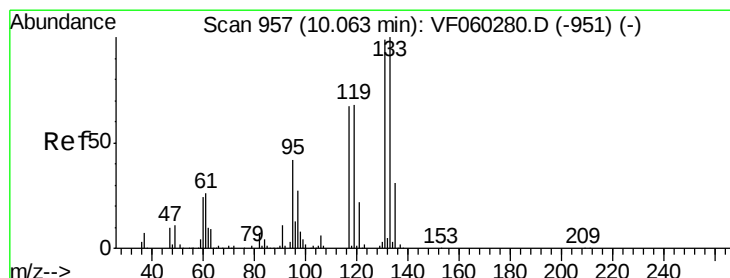
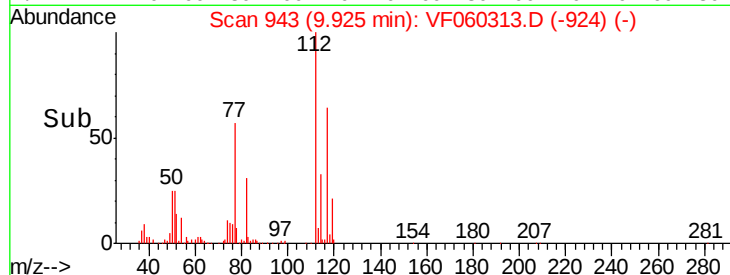
40000

20000

0

9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.683 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

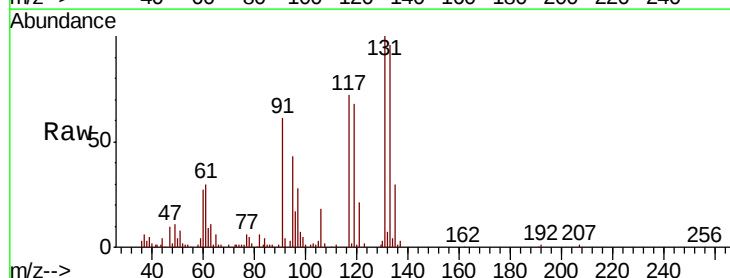
Tgt Ion:131 Resp: 77701

Ion Ratio Lower Upper

131 100

133 96.5 50.4 151.2

119 68.1 34.8 104.3



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

50000

40000

30000

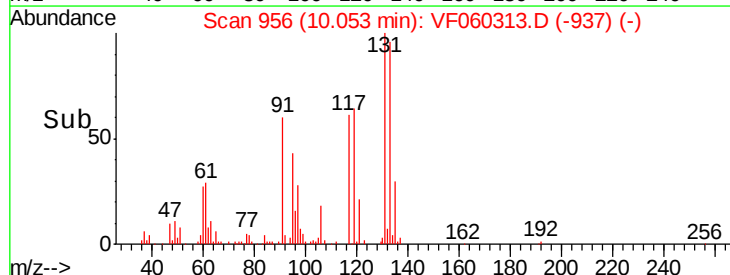
20000

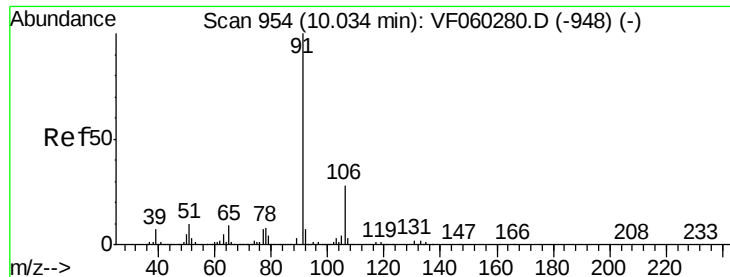
10000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 21.162 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 91 Resp: 337855

Ion Ratio Lower Upper

91 100

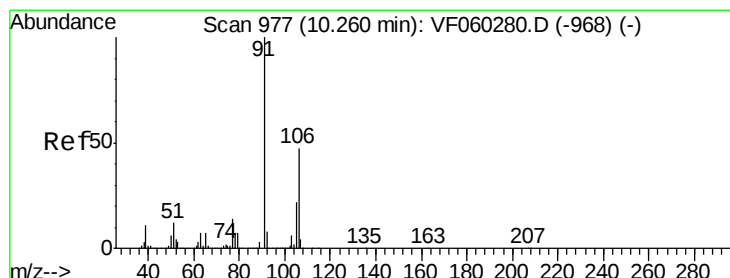
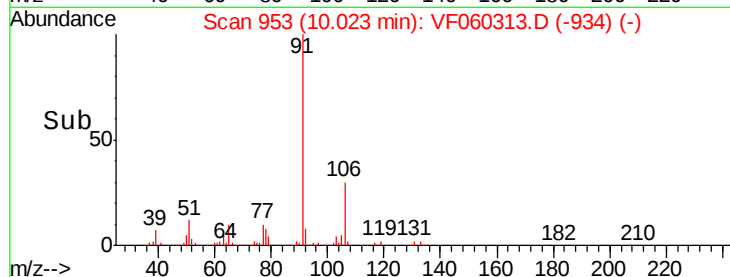
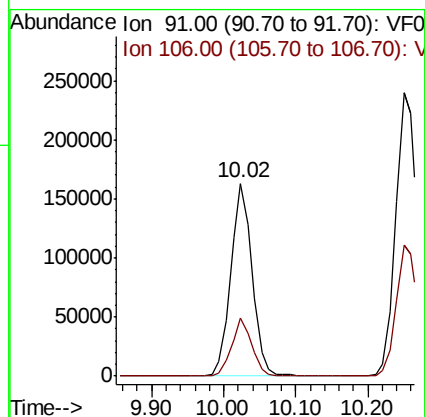
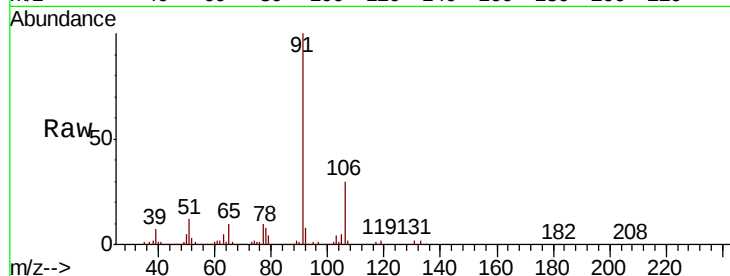
106 30.1 22.7 34.1

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#68

m/p-Xylenes

Concen: 42.298 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060313.D

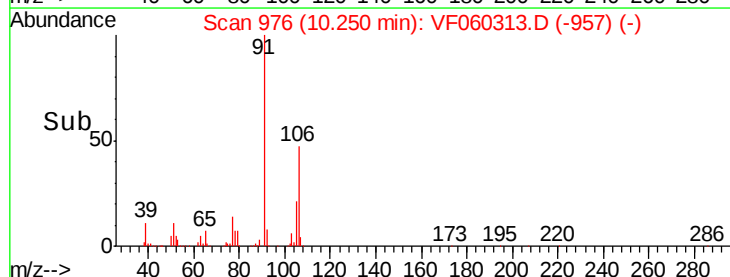
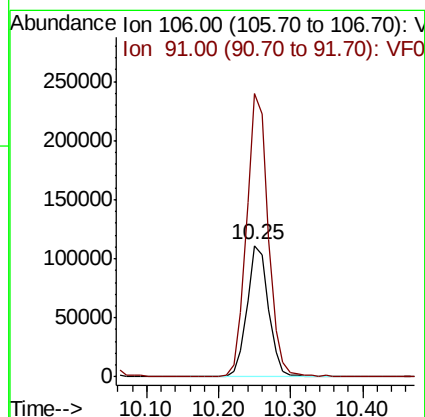
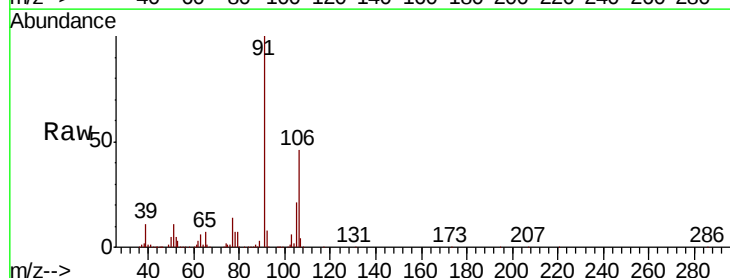
Acq: 21 Sep 2018 13:46

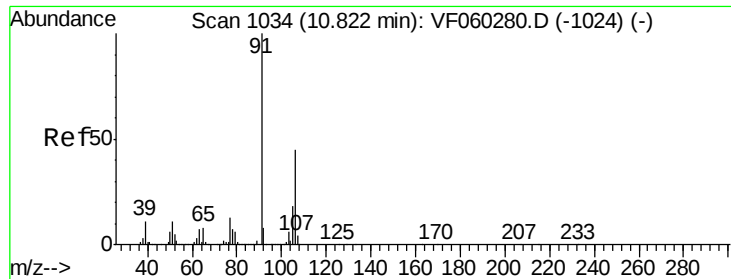
Tgt Ion: 106 Resp: 233310

Ion Ratio Lower Upper

106 100

91 215.1 172.3 258.5





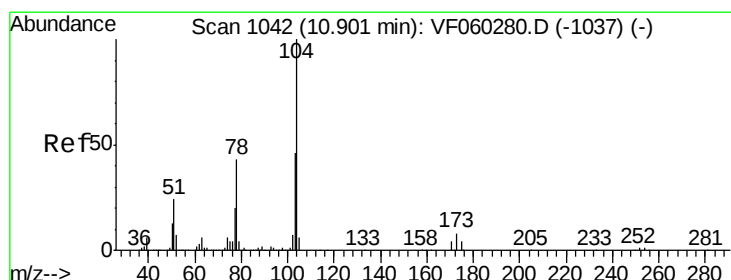
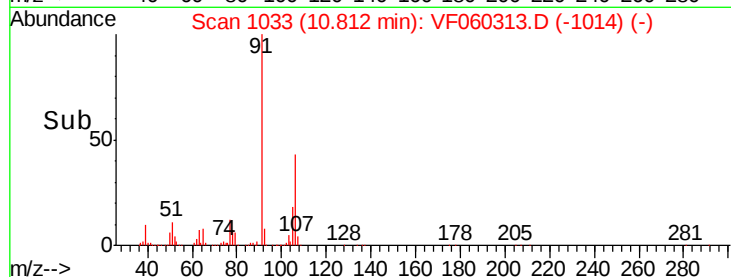
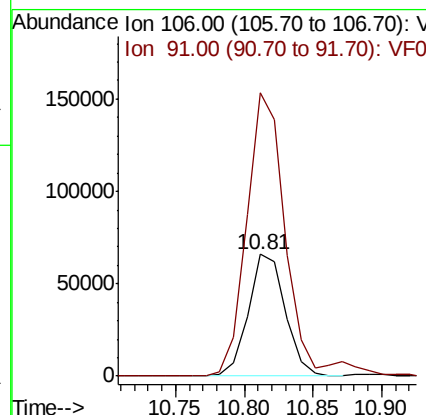
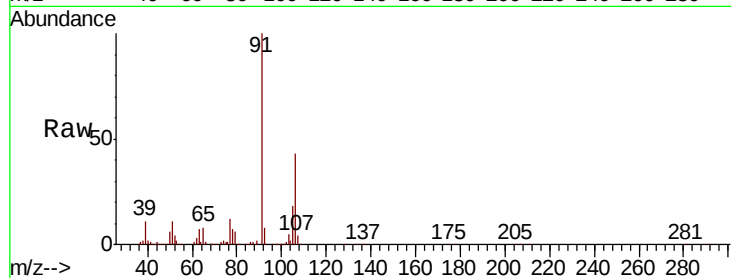
#69
o-Xylene
Concen: 20.057 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.4	110.9	332.6

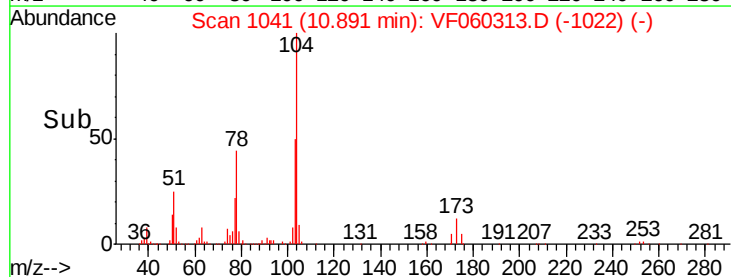
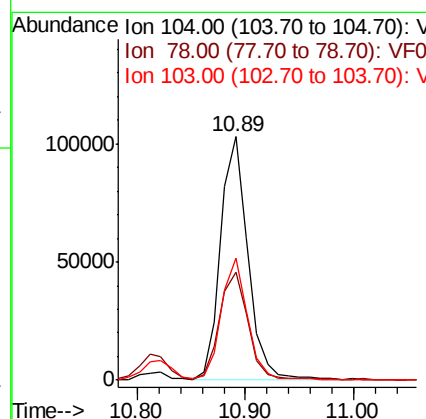
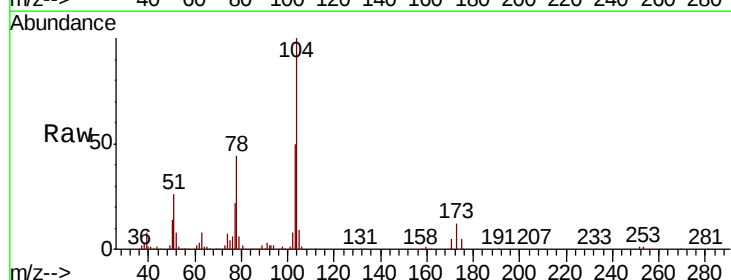
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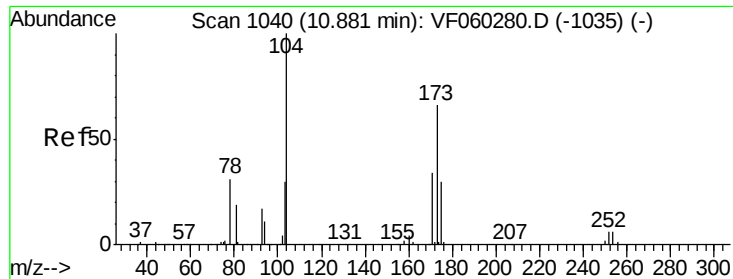
apatel
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#70
Styrene
Concen: 20.621 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.2	35.0	52.6
103	50.2	37.4	56.0





#71

Bromoform

Concen: 21.763 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

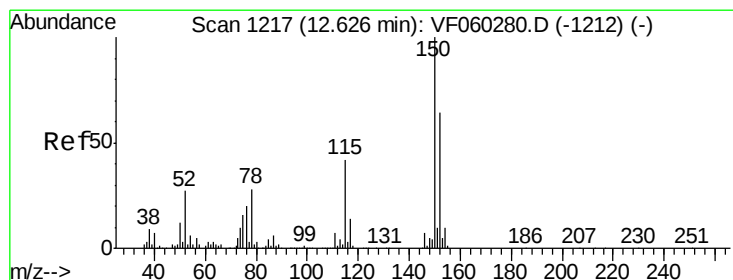
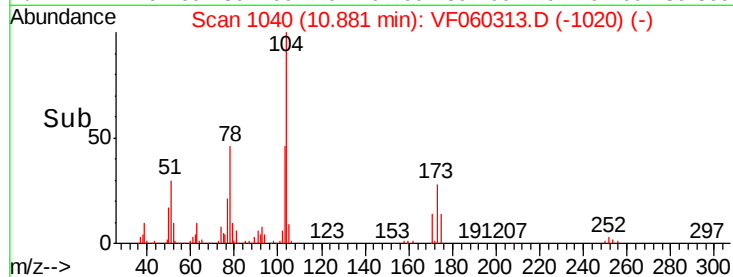
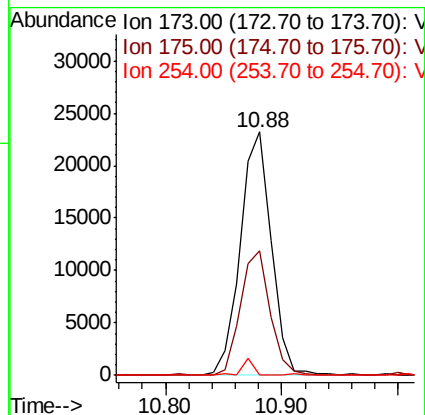
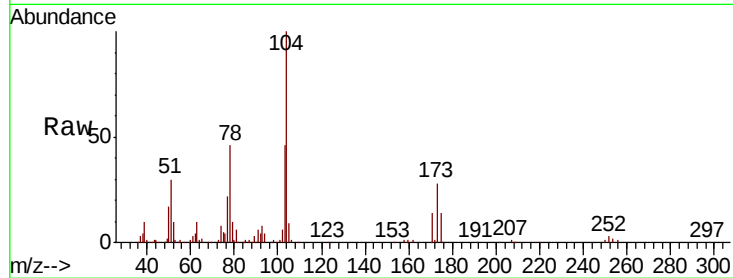
ClientSampleId :

VF0921SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	22.3	66.9
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

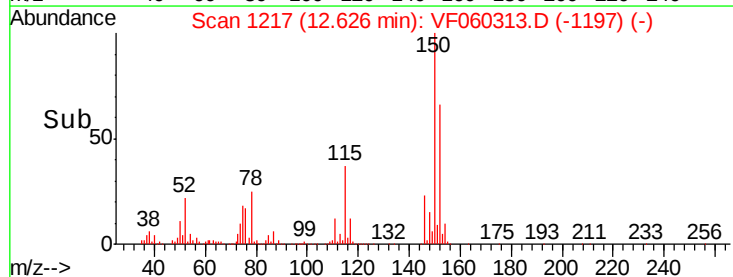
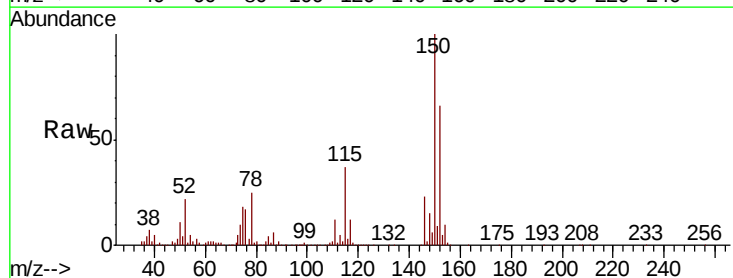
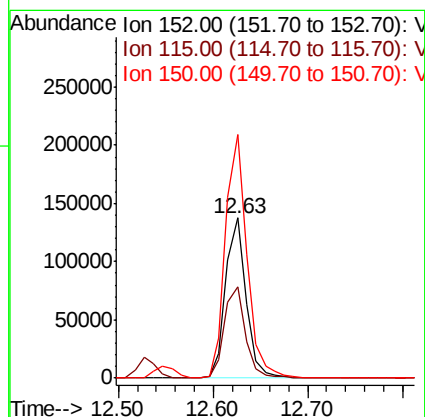
RT: 12.63 min Scan# 1217

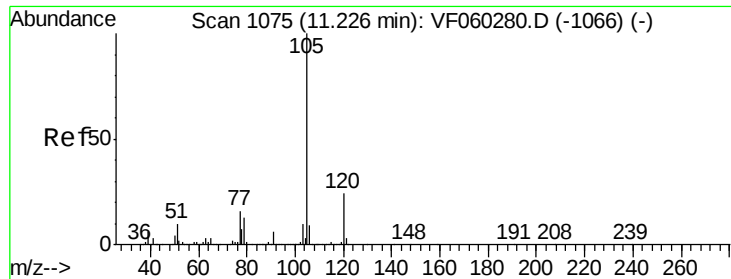
Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	32.6	97.8
150	152.1	0.0	314.2





#73

Isopropylbenzene

Concen: 21.169 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 105 Resp: 394021

Ion Ratio Lower Upper

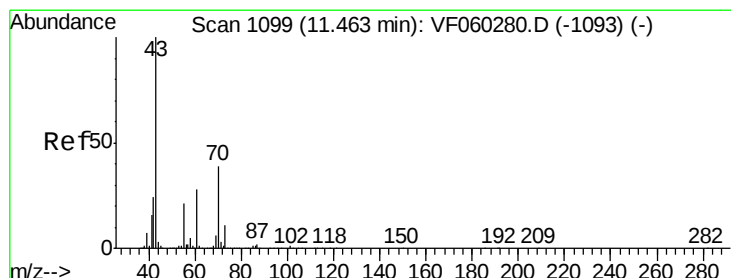
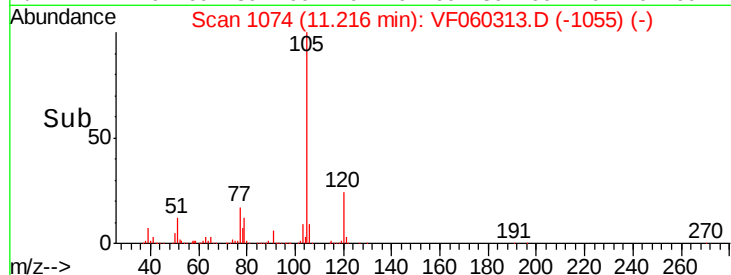
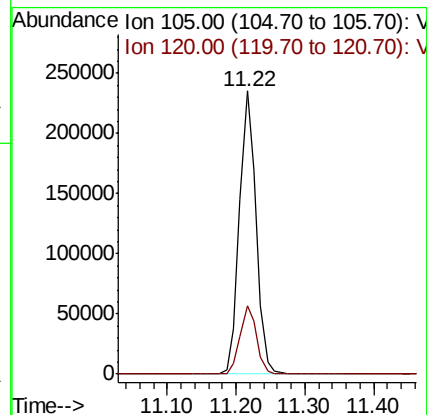
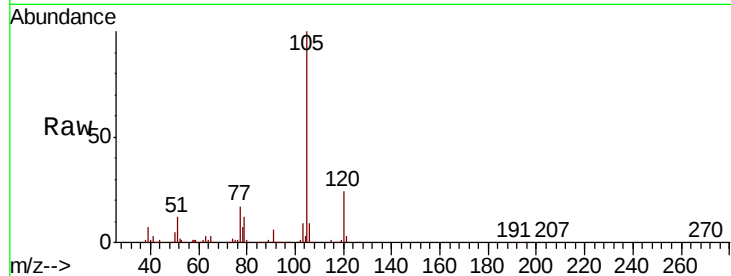
105 100

120 24.3 12.2 36.6

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#74

N-ethyl acetate

Concen: 19.995 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion: 43 Resp: 79361

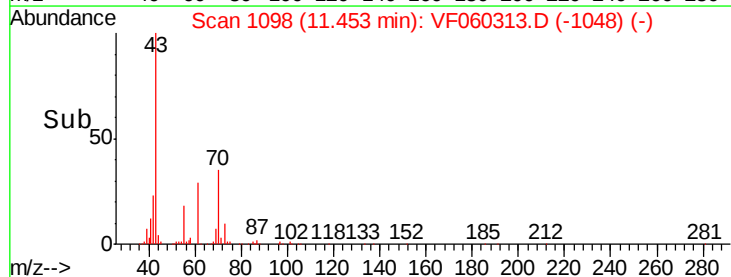
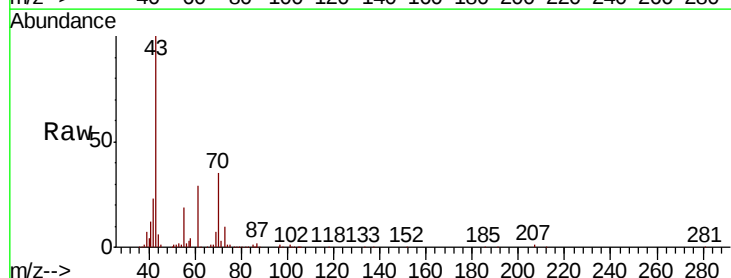
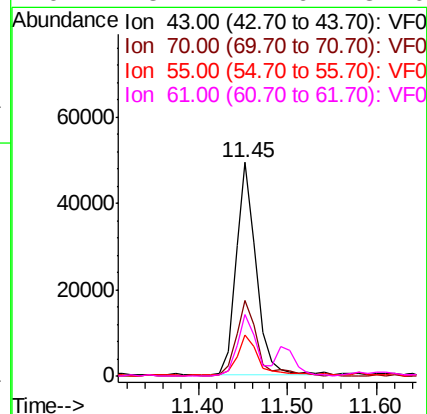
Ion Ratio Lower Upper

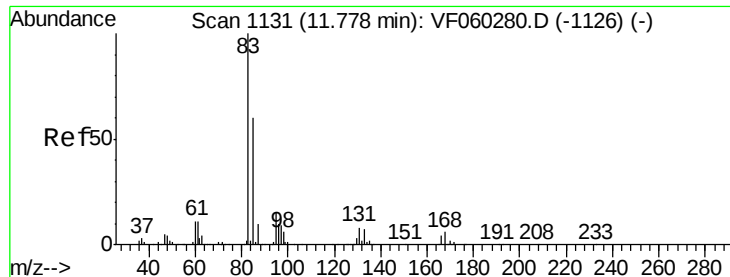
43 100

70 35.1 31.4 47.2

55 19.0 16.8 25.2

61 28.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.255 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

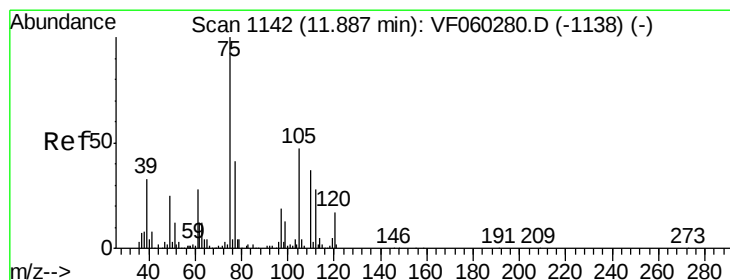
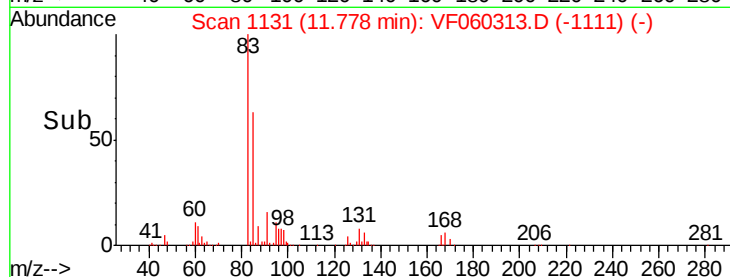
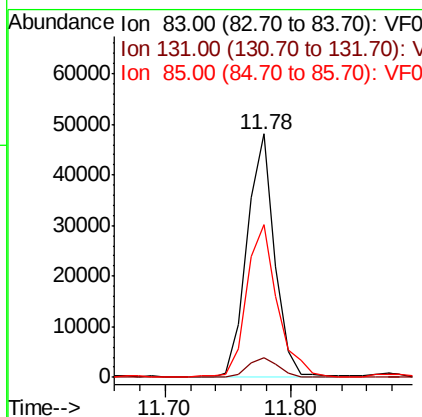
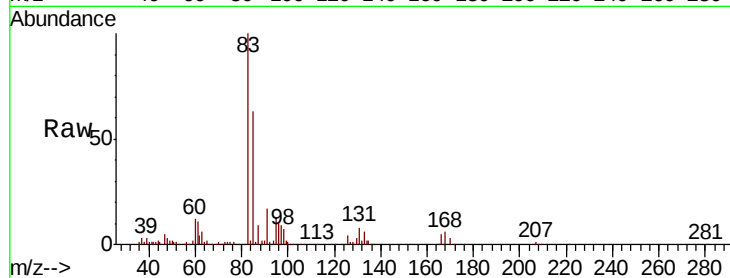
ClientSampleId :

VF0921SBS01

Tot Ion:	83	Resp:	73411
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.2	12.4
85	62.8	30.1	90.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.265 ug/l

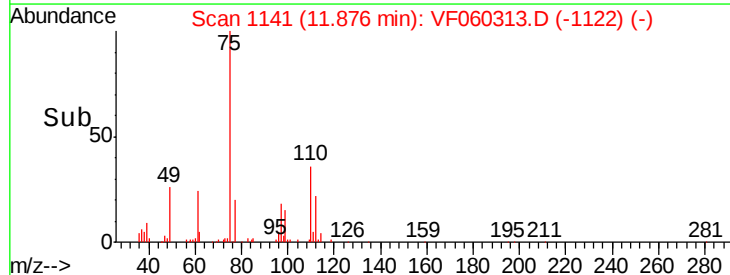
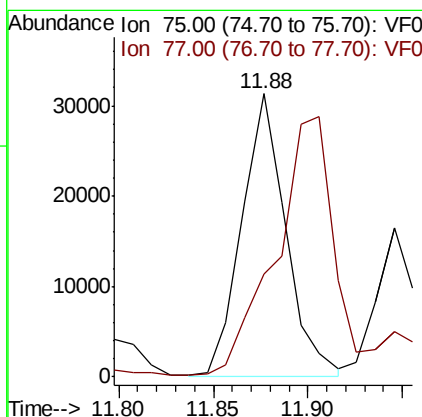
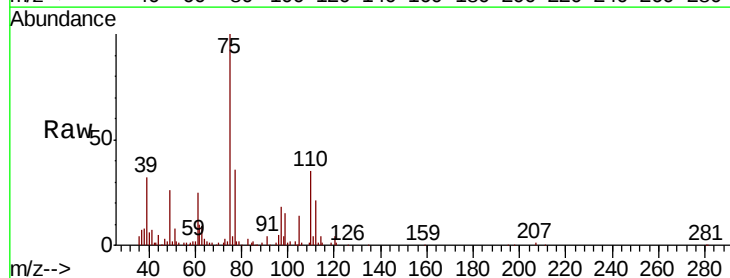
RT: 11.88 min Scan# 1141

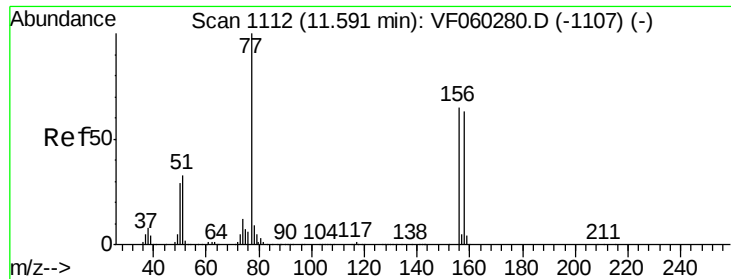
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	75	Resp:	50224
Ion Ratio	Lower	Upper	
75	100		
77	36.2	20.5	61.5





#77

Bromobenzene

Concen: 20.084 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

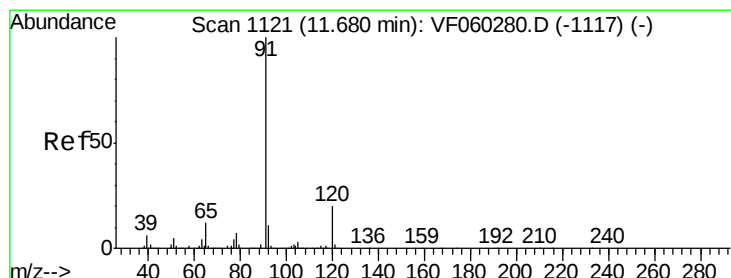
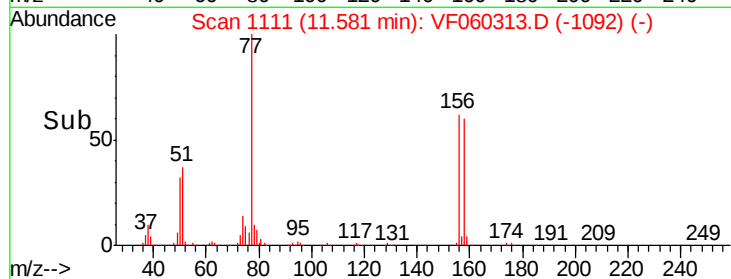
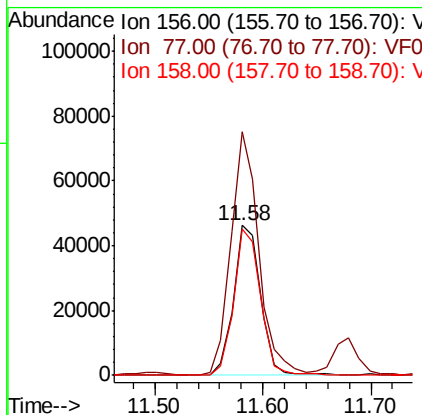
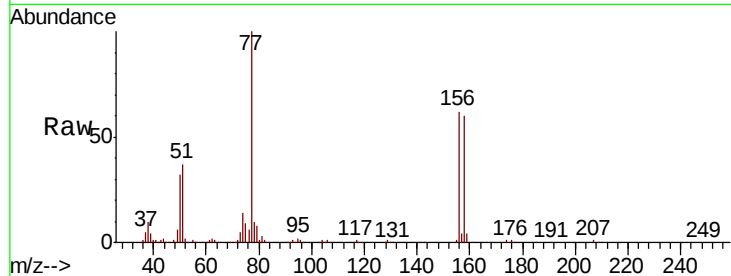
ClientSampleId :

VF0921SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	162.4	77.3	232.1	
158	97.7	48.4	145.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.111 ug/l

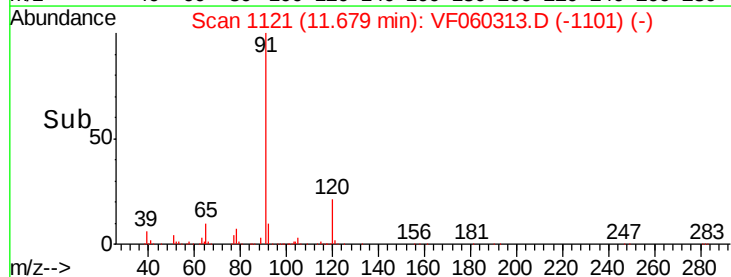
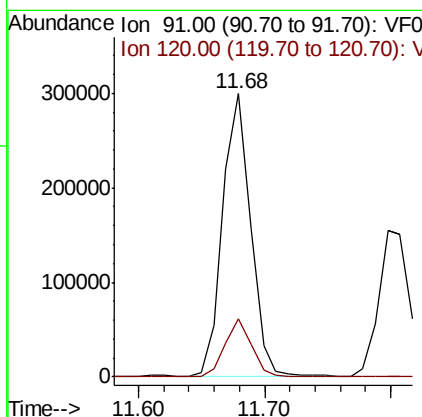
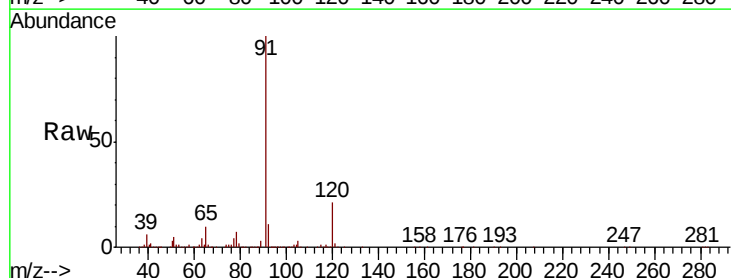
RT: 11.68 min Scan# 1121

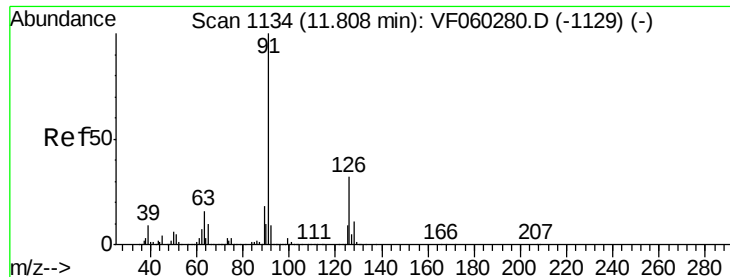
Delta R.T. 0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.6	10.0	29.8	





#79

2-Chlorotoluene

Concen: 20.757 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 91 Resp: 260612

Ion Ratio Lower Upper

91 100

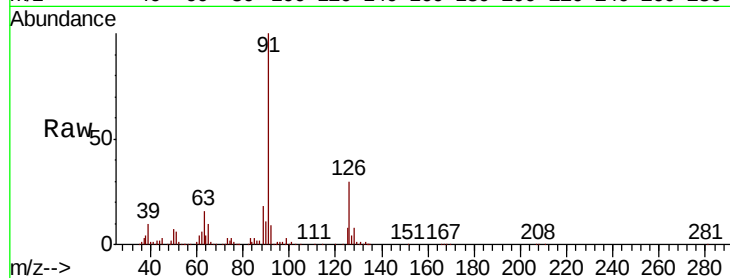
126 30.2 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

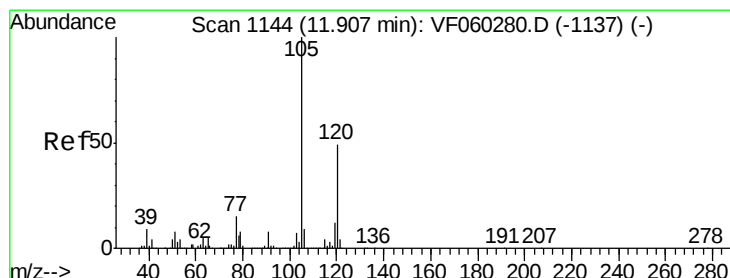
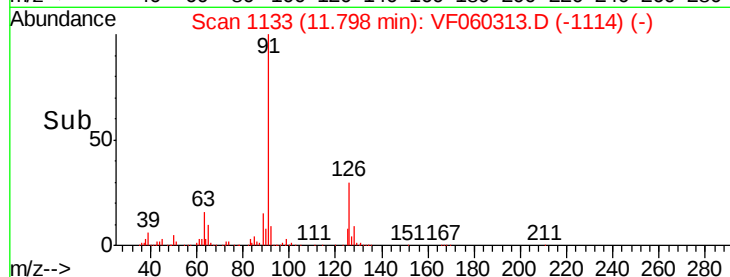
11.80

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.180 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060313.D

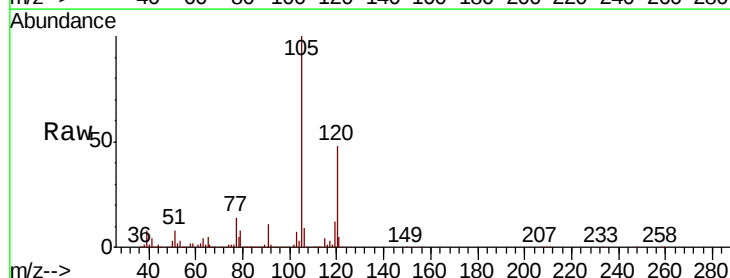
Acq: 21 Sep 2018 13:46

Tgt Ion:105 Resp: 317326

Ion Ratio Lower Upper

105 100

120 47.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

11.91

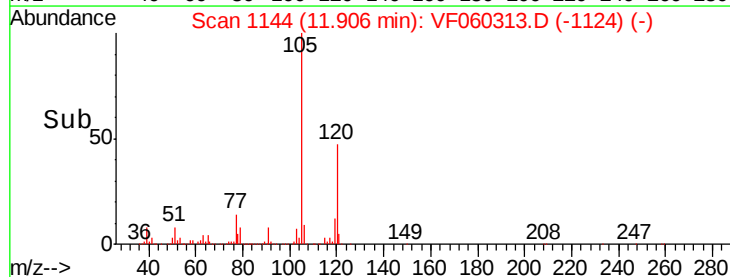
150000

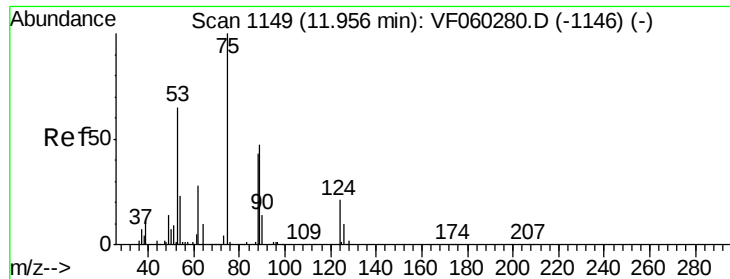
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.408 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

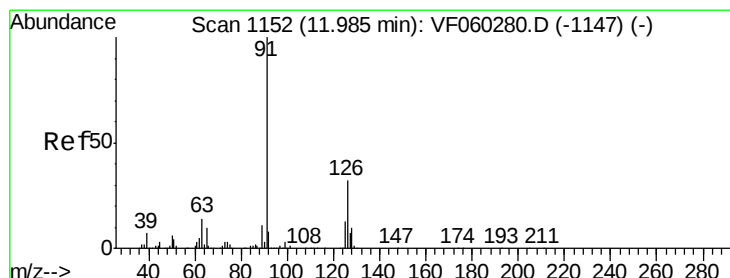
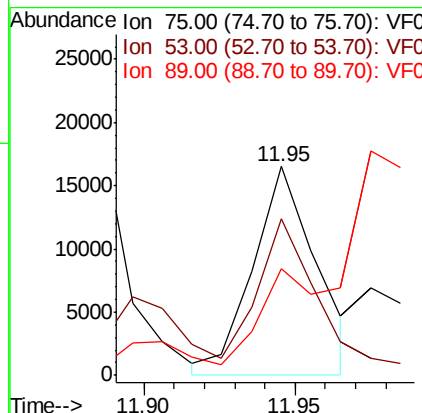
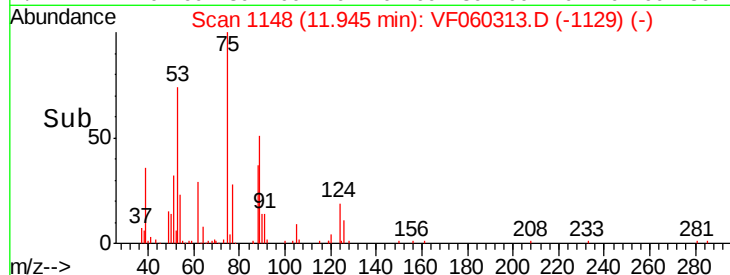
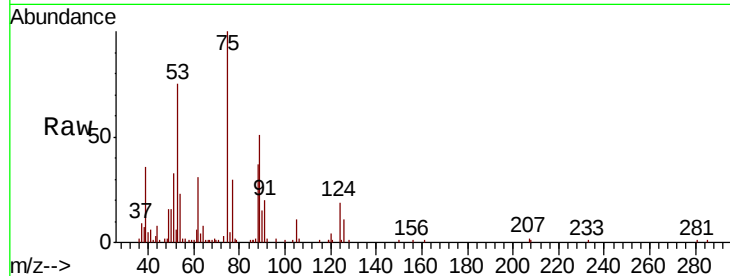
ClientSampleId :

VF0921SBS01

Tot Ion:	75	Resp:	24224
Ion	Ratio	Lower	Upper
75	100		
53	74.7	56.5	84.7
89	50.9	40.6	60.8

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#82

4-Chlorotoluene

Concen: 20.697 ug/l

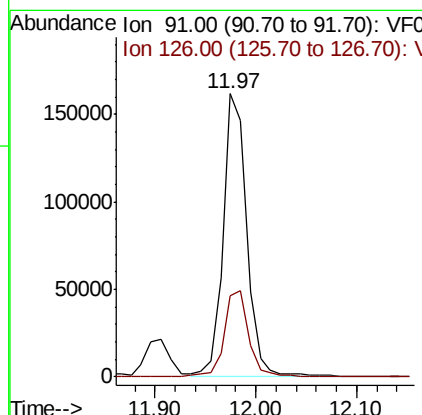
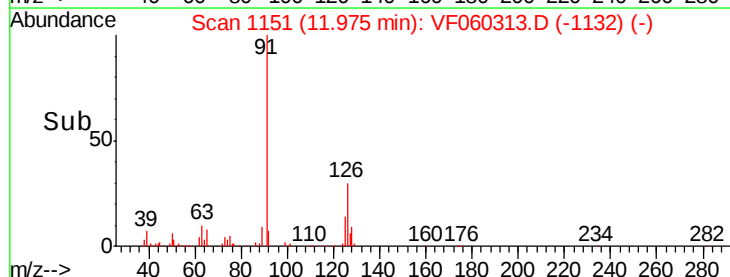
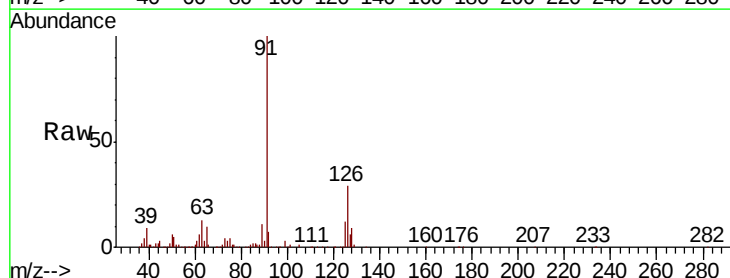
RT: 11.97 min Scan# 1151

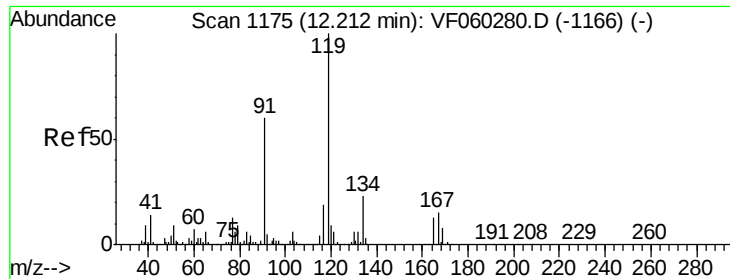
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	91	Resp:	261182
Ion	Ratio	Lower	Upper
91	100		
126	28.6	16.1	48.2





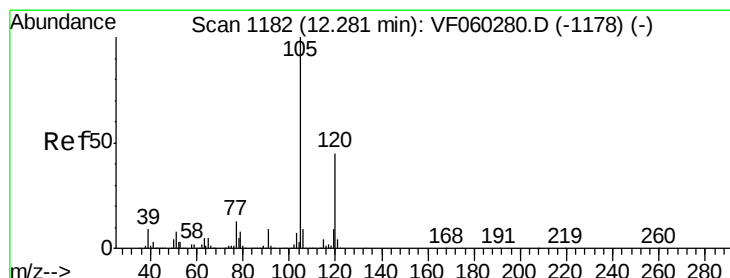
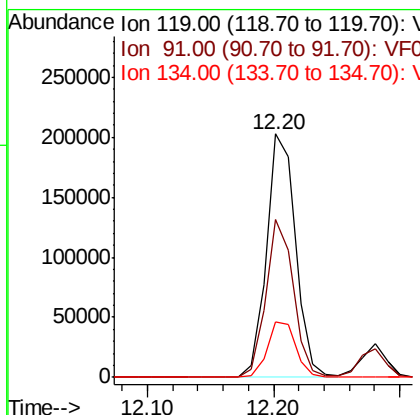
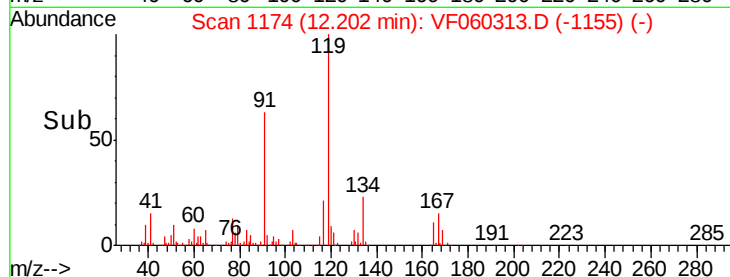
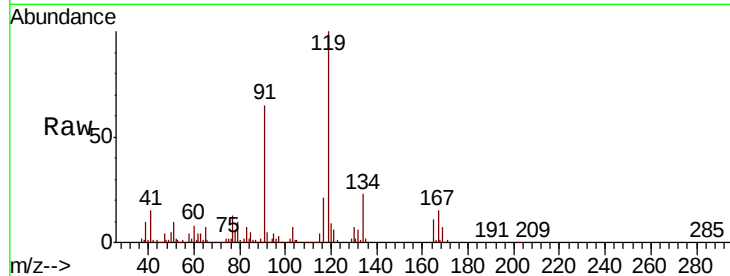
#83
tert-Butylbenzene
Concen: 21.452 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	325823		
91	65.0	30.3	91.0	
134	23.0	11.6	34.8	

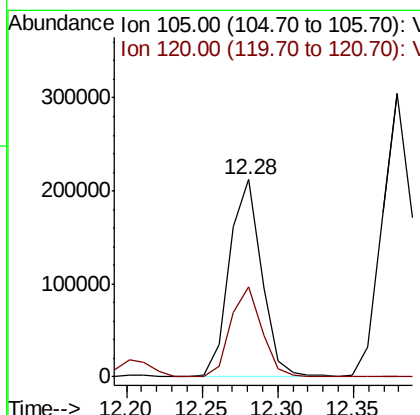
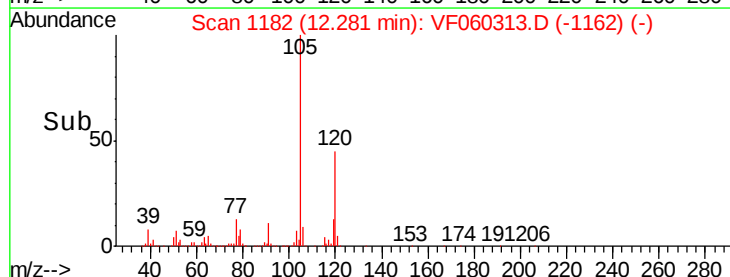
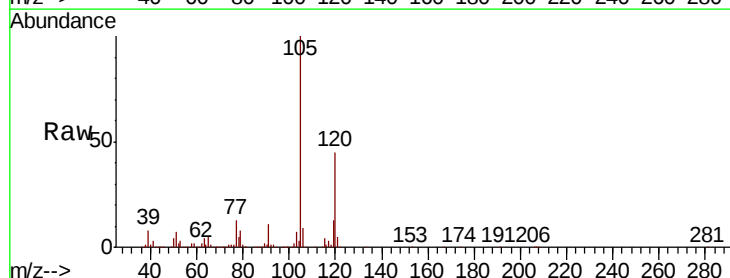
Manual Integrations
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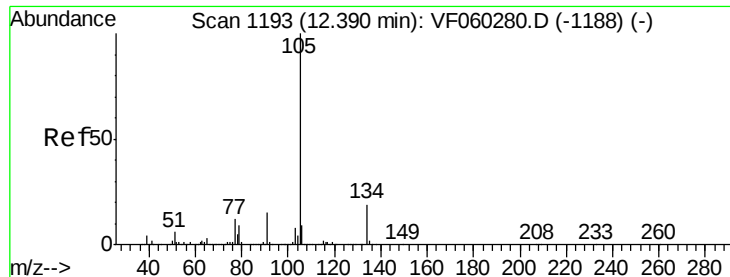
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#84
1,2,4-Trimethylbenzene
Concen: 20.649 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314152		
120	45.4	22.4	67.0	





#85

sec-Butylbenzene

Concen: 19.444 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion:105 Resp: 434197

Ion Ratio Lower Upper

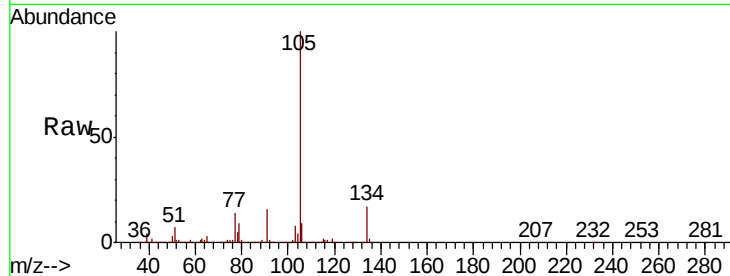
105 100

134 17.5 9.6 28.6

Manual Integrations
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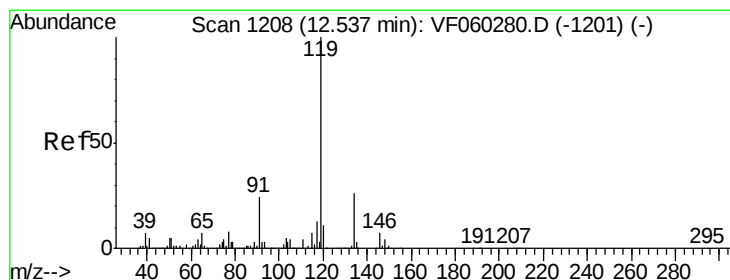
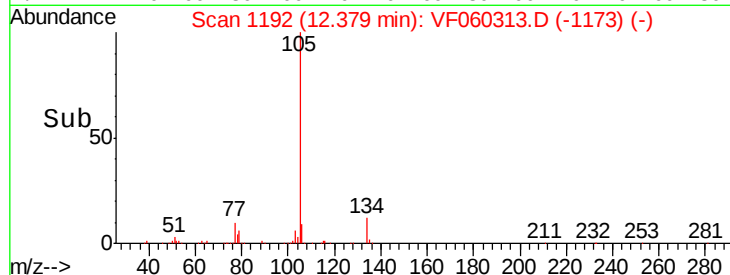
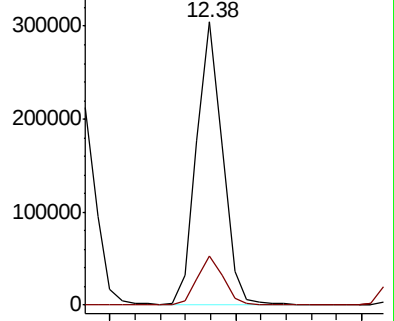
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.088 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

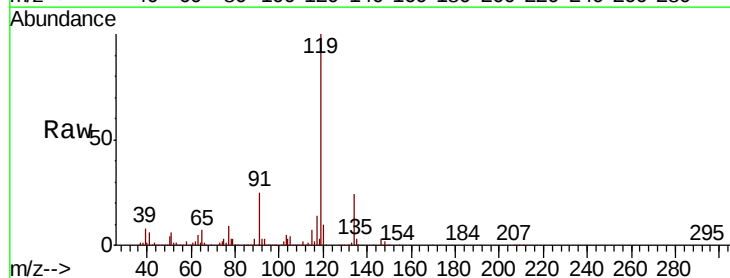
Tgt Ion:119 Resp: 362731

Ion Ratio Lower Upper

119 100

134 24.3 12.9 38.7

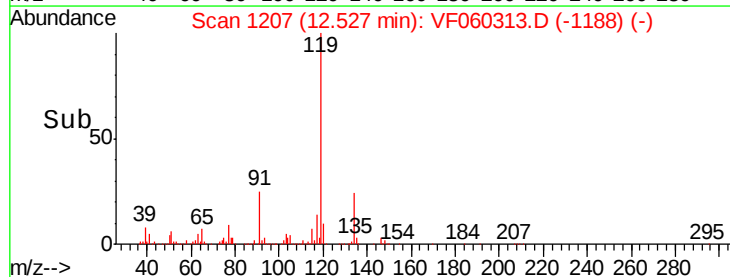
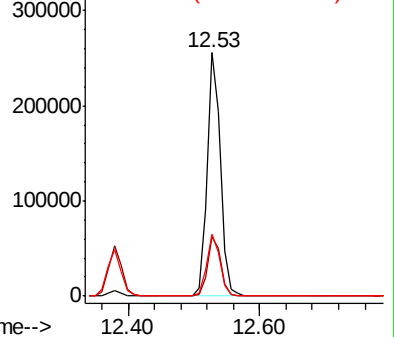
91 25.5 11.9 35.7

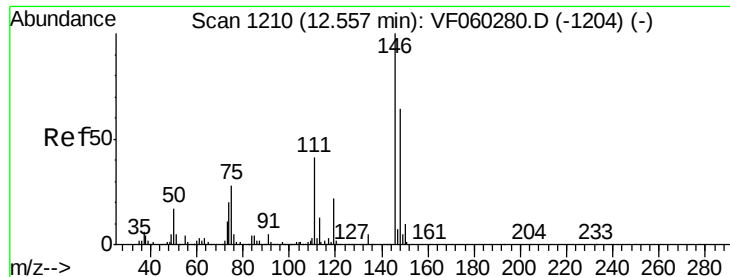


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.878 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

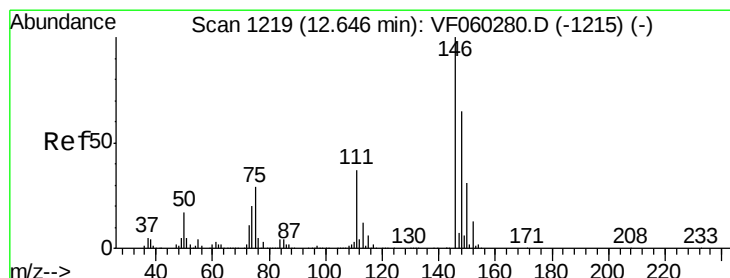
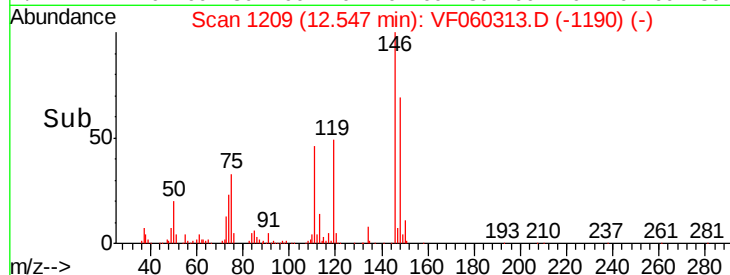
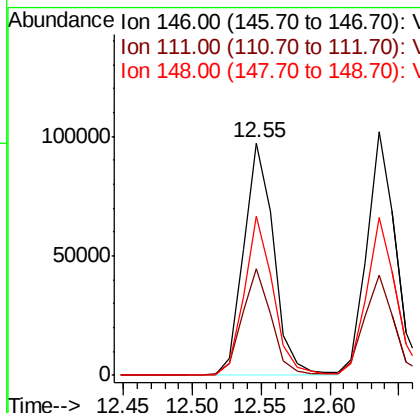
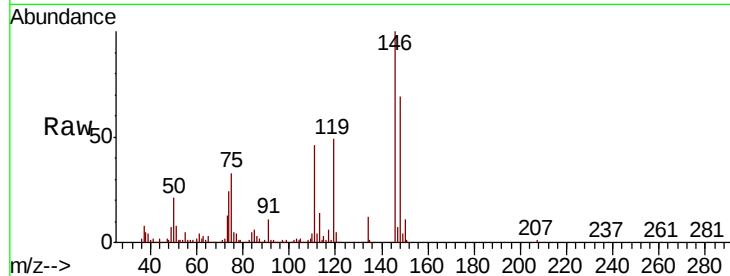
ClientSampleId :

VF0921SBS01

Tot Ion:	146	Resp:	148997
Ion Ratio	Lower	Upper	
146	100		
111	46.2	20.5	61.6
148	68.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.366 ug/l

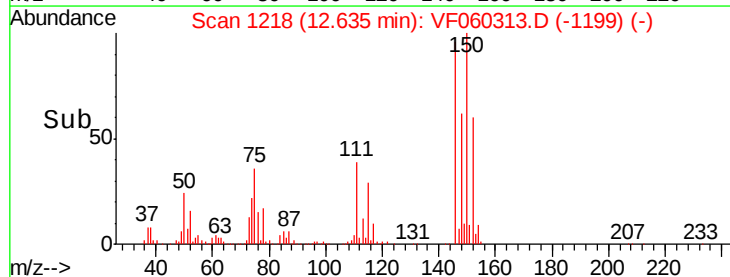
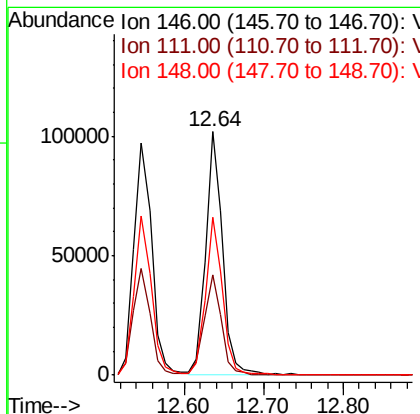
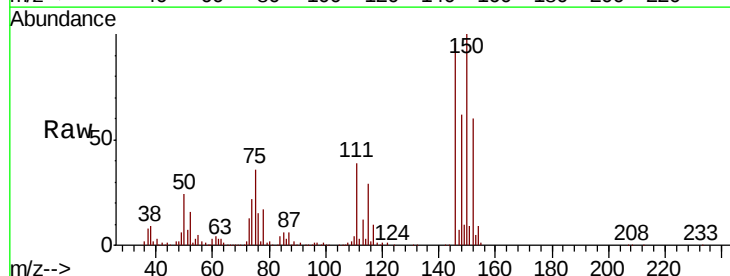
RT: 12.64 min Scan# 1218

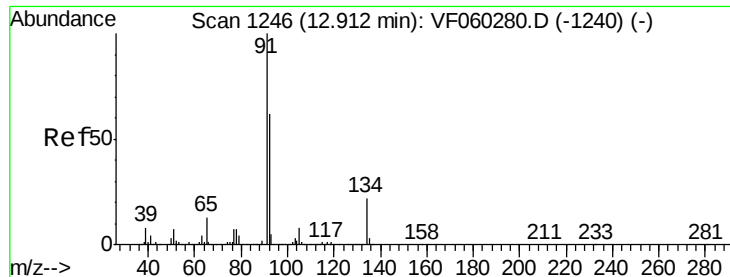
Delta R.T. -0.01 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	146	Resp:	150887
Ion Ratio	Lower	Upper	
146	100		
111	40.9	18.7	56.1
148	65.0	32.4	97.0





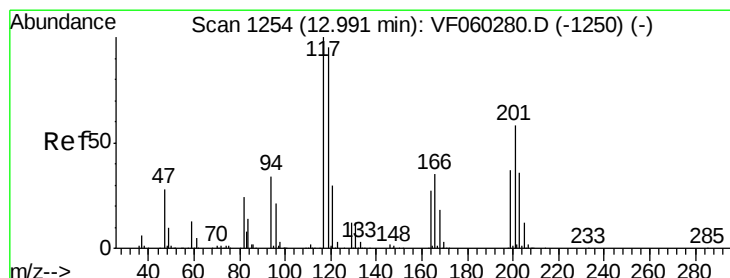
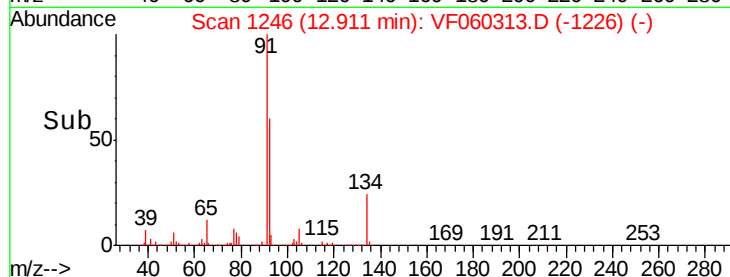
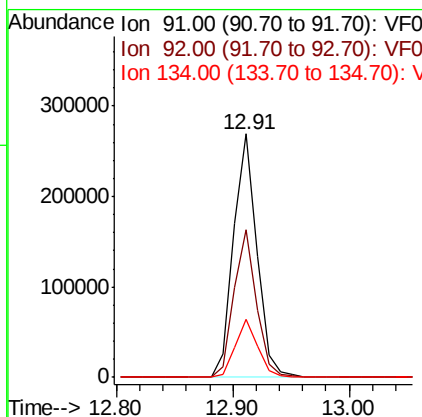
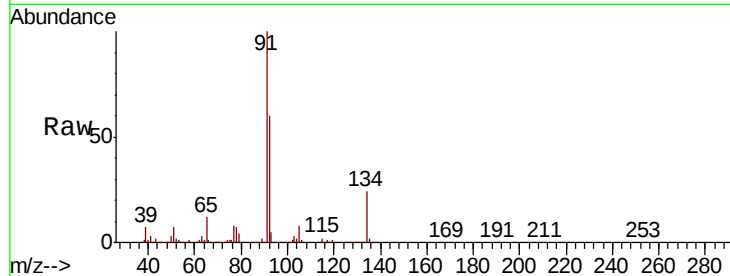
#89
n-Butylbenzene
Concen: 20.142 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

Tot Ion:	91	Resp:	375591
Ion Ratio	Lower	Upper	
91	100		
92	60.4	31.1	93.5
134	23.7	11.0	33.0

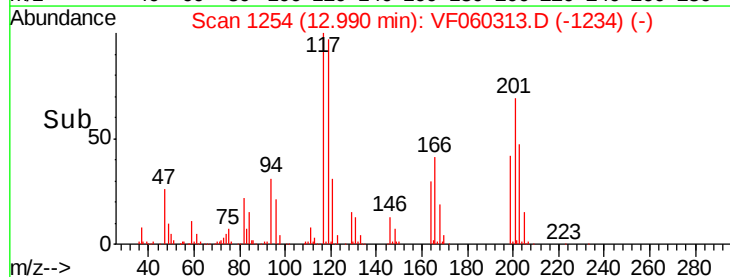
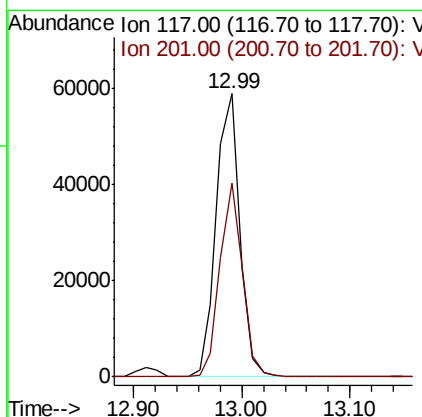
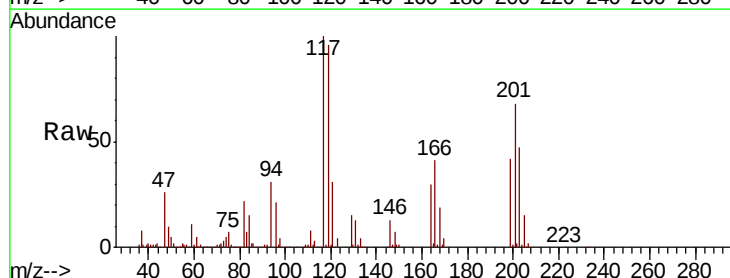
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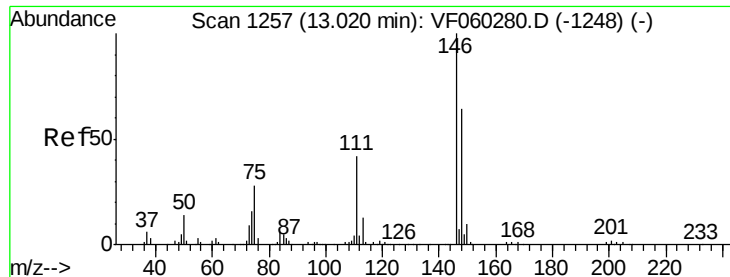
apatel
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#90
Hexachloroethane
Concen: 21.106 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060313.D
Acq: 21 Sep 2018 13:46

Tgt Ion:	117	Resp:	89700
Ion Ratio	Lower	Upper	
117	100		
201	68.4	29.0	87.0





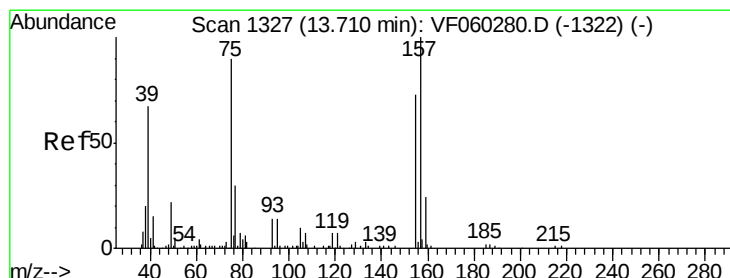
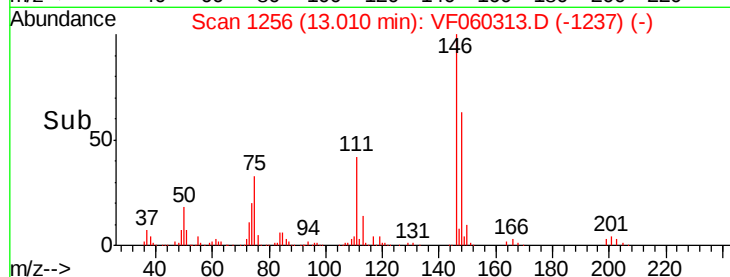
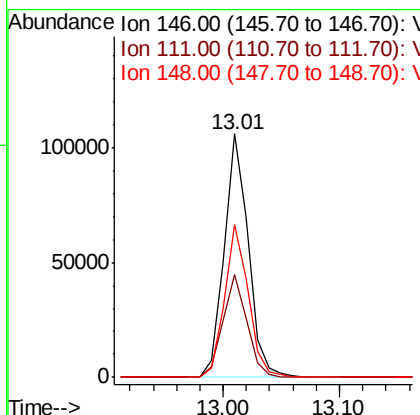
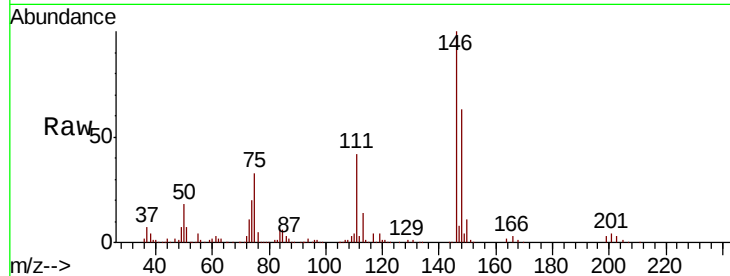
#91
 1,2-Dichlorobenzene
 Concen: 21.363 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	62.5	31.9	95.9

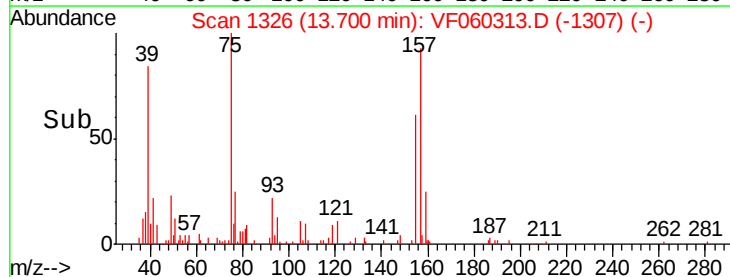
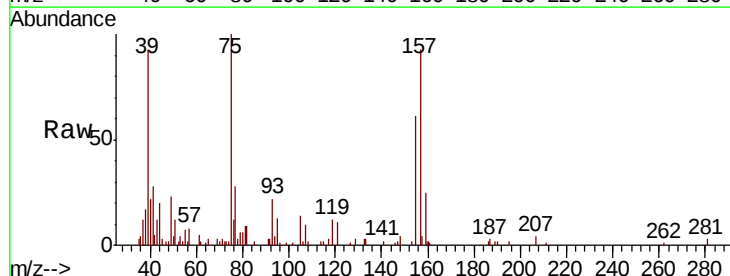
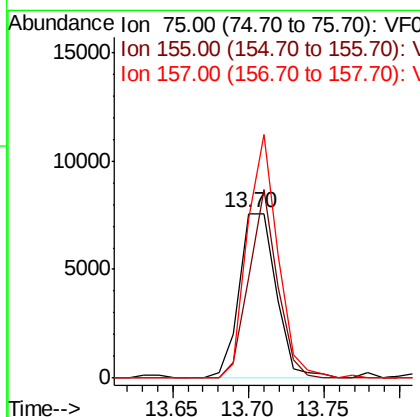
Manual Integrations
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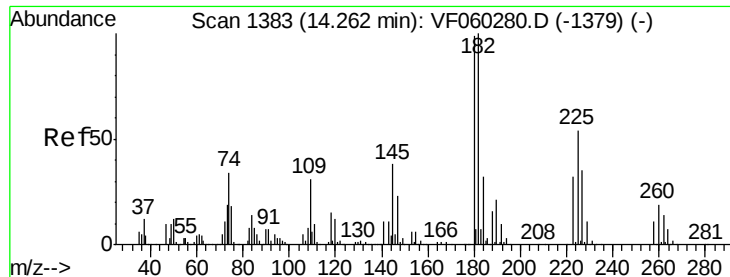
apatel
 9/24/2018 12:52:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.855 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.7	41.9	125.7
157	96.5	57.4	172.0





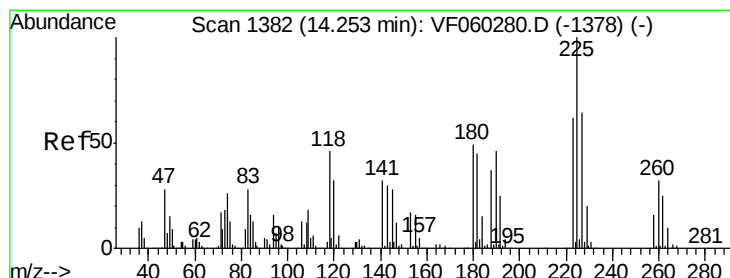
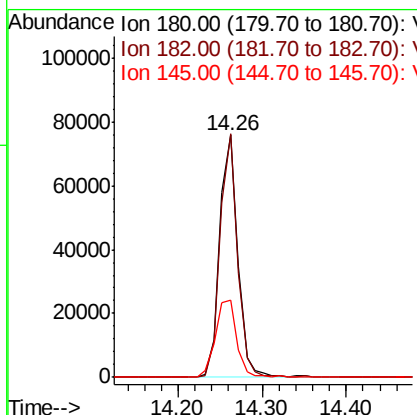
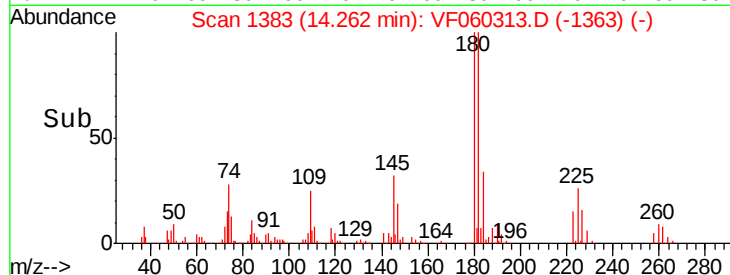
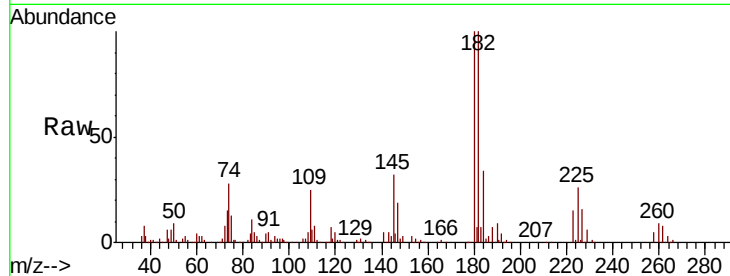
#93
 1,2,4-Trichlorobenzene
 Concen: 21.968 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.5	50.3	151.0	
145	31.9	18.9	56.9	

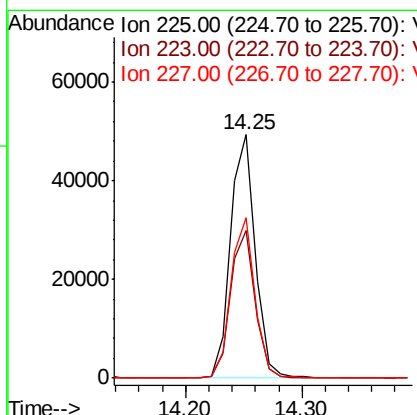
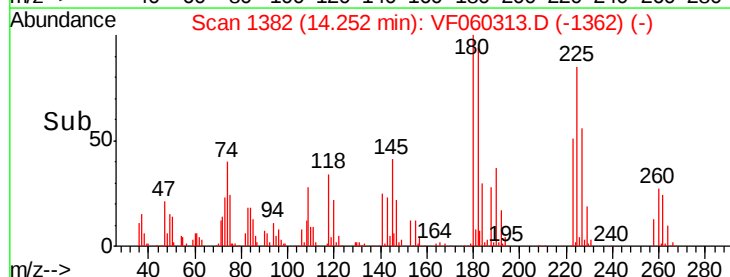
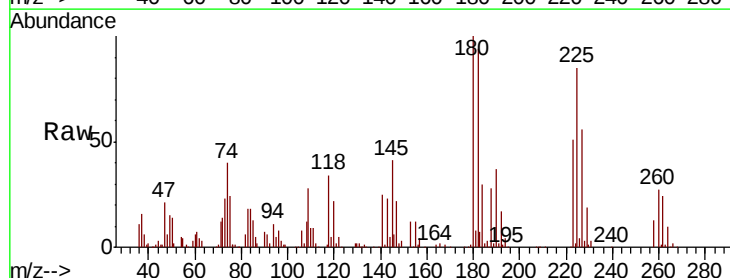
Manual Integrations
 APPROVED

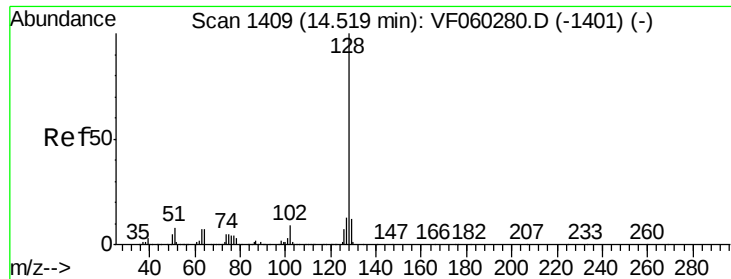
apatel
 9/24/2018 12:52:53 PM



#94
 Hexachlorobutadiene
 Concen: 20.621 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060313.D
 Acq: 21 Sep 2018 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.5	31.2	93.6	
227	66.0	32.2	96.6	





#95

Naphthalene

Concen: 19.846 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Instrument :

MSVOA_F

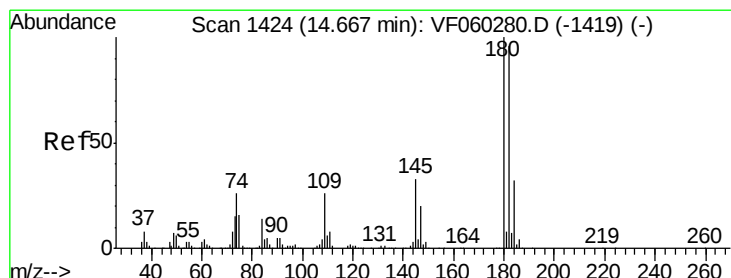
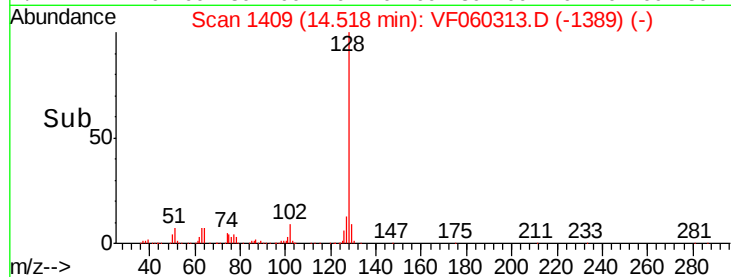
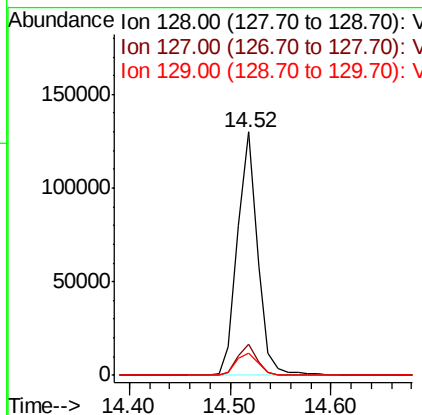
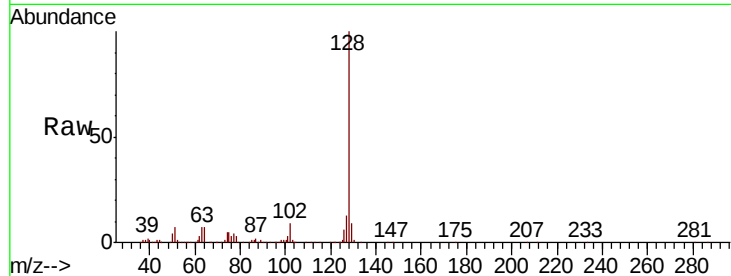
ClientSampleId :

VF0921SBS01

Tot Ion:	128	Resp:	180835
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	9.3	9.8	14.8#

Manual Integrations
APPROVED

apatel
9/24/2018 12:52:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.212 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060313.D

Acq: 21 Sep 2018 13:46

Tgt Ion:	180	Resp:	101868
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.4
145	31.1	16.4	49.1

