

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060545.D
 Acq On : 30 Oct 2018 15:22
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:29:11 AM

Quant Time: Oct 31 05:14:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	211475	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	335094	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	266905	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	167569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	194883	59.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	4.29	113	173878	54.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	7.71	98	373766	47.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.50	95	165980	45.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	118132	31.17	ug/l	100
3) Chloromethane	1.13	50	56612	24.42	ug/l	96
4) Vinyl Chloride	1.18	62	62291	24.57	ug/l	91
5) Bromomethane	1.35	94	61041	30.63	ug/l	96
6) Chloroethane	1.43	64	36865	27.93	ug/l	96
7) Trichlorofluoromethane	1.55	101	171659	28.10	ug/l	93
8) Diethyl Ether	1.71	74	18497	24.14	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	75477	27.47	ug/l #	90
10) Methyl Iodide	1.97	142	116377m	25.19	ug/l	
11) Tert butyl alcohol	2.69	59	19889	155.67	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	56869	23.93	ug/l	86
13) Acrolein	2.09	56	17861	149.59	ug/l	94
14) Allyl chloride	2.19	41	89500	23.68	ug/l	96
15) Acrylonitrile	3.07	53	34292	105.13	ug/l #	90
16) Acetone	2.34	43	112131	175.88	ug/l	98
17) Carbon Disulfide	1.88	76	172316	25.80	ug/l	98
18) Methyl Acetate	2.45	43	23722	25.25	ug/l #	84
19) Methyl tert-butyl Ether	2.53	73	140152	26.32	ug/l	97
20) Methylene Chloride	2.28	84	52981m	24.12	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	56759	23.35	ug/l	92
22) Diisopropyl ether	2.93	45	167446	24.39	ug/l	94
23) Vinyl Acetate	3.32	43	289905	113.86	ug/l #	95
24) 1,1-Dichloroethane	3.00	63	124638	25.16	ug/l	98
25) 2-Butanone	4.52	43	100937	117.98	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	78433	25.48	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	58211	19.86	ug/l	91
28) Bromochloromethane	3.88	49	37338	20.93	ug/l	95
29) Tetrahydrofuran	4.25	42	29111	98.43	ug/l	95
30) Chloroform	4.03	83	150624	24.08	ug/l	97
31) Cyclohexane	3.86	56	71267	20.15	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	125829	24.33	ug/l	92
36) 1,1-Dichloropropene	4.46	75	95304	22.83	ug/l	90
37) Ethyl Acetate	4.29	43	29161	21.57	ug/l	91
38) Carbon Tetrachloride	4.17	117	131592	26.32	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	84890	20.13	ug/l	87
40) Benzene	4.81	78	167162	20.19	ug/l	94
41) Methacrylonitrile	4.92	41	16144	20.90	ug/l	93
42) 1,2-Dichloroethane	5.12	62	94861	24.67	ug/l	87
43) Isopropyl Acetate	7.11	43	30963	18.93	ug/l #	98
44) Trichloroethene	5.67	130	56938	21.27	ug/l	82
45) 1,2-Dichloropropane	6.40	63	37106	17.96	ug/l	99
46) Dibromomethane	6.25	93	38132	23.50	ug/l	96
47) Bromodichloromethane	6.55	83	97980	23.53	ug/l	100
48) Methyl methacrylate	6.87	41	23496	20.82	ug/l #	85
49) 1,4-Dioxane	6.87	88	3359	319.98	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	133545	112.69	ug/l #	87
52) Toluene	7.78	92	103654	19.28	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	74399	22.87	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	81672	21.19	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	30243	18.78	ug/l	94
56) Ethyl methacrylate	8.75	69	34875	19.30	ug/l	90
57) 1,3-Dichloropropane	9.00	76	51651	18.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	23578	126.58	ug/l	100
59) 2-Hexanone	9.63	43	92648	101.94	ug/l	94
60) Dibromochloromethane	8.86	129	57980	22.35	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35107	18.83	ug/l	90
64) Tetrachloroethene	8.30	164	51935	23.02	ug/l	93
65) Chlorobenzene	9.94	112	114582	21.34	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	60418	24.69	ug/l	94
67) Ethyl Benzene	10.04	91	238751	23.27	ug/l	98
68) m/p-Xylenes	10.26	106	147057	41.97	ug/l	95
69) o-Xylene	10.82	106	82627	20.94	ug/l	79
70) Styrene	10.90	104	118800	21.35	ug/l	99
71) Bromoform	10.88	173	30608	24.25	ug/l	94
73) Isopropylbenzene	11.23	105	279017	21.78	ug/l	99
74) N-amyl acetate	11.47	43	44606	17.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	41025	19.19	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	34744	21.61	ug/l	97
77) Bromobenzene	11.59	156	57175	20.29	ug/l	85
78) n-propylbenzene	11.68	91	323721	21.31	ug/l	95
79) 2-Chlorotoluene	11.81	91	190760	20.98	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	245409	22.17	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.96	75	14620m	20.82	ug/l	
82) 4-Chlorotoluene	11.99	91	188162	19.96	ug/l	99
83) tert-Butylbenzene	12.21	119	240545	22.43	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	233899	20.80	ug/l	92
85) sec-Butylbenzene	12.38	105	322786	21.47	ug/l	95
86) p-Isopropyltoluene	12.54	119	266272	21.58	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	113729	20.22	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	115999	21.85	ug/l	93
89) n-Butylbenzene	12.91	91	290113	21.62	ug/l	90
90) Hexachloroethane	12.99	117	67400	21.17	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	106521	20.10	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10947	24.70	ug/l	86

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Quant Title : SW846 8260
QLast Update : Tue Oct 30 05:31:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88866	22.38	ug/l	98
94) Hexachlorobutadiene	14.25	225	65683	23.37	ug/l	93
95) Naphthalene	14.52	128	141142	20.10	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	86914	23.00	ug/l	92

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

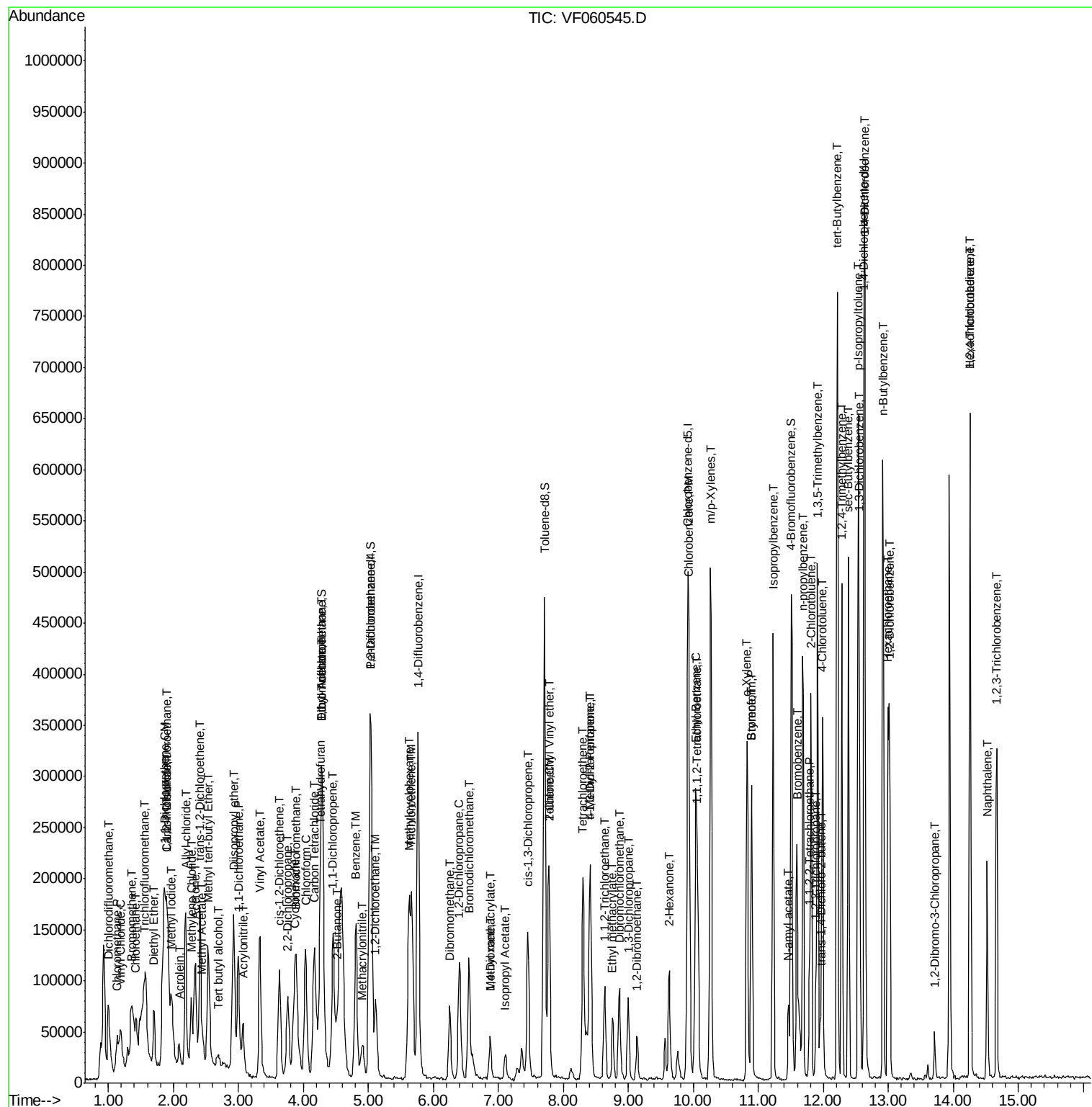
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
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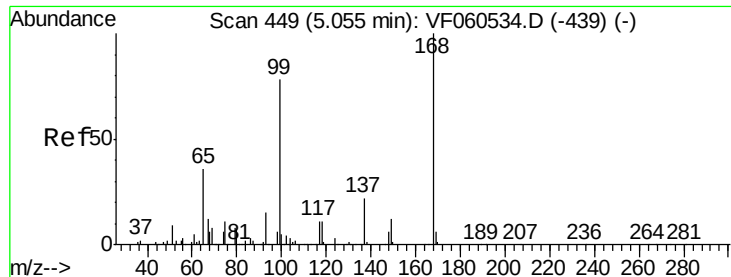
Instrument :
 MSVOA_F
 Client Sampled :
 VF1030SBS01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 168 Resp: 211475

Ion Ratio Lower Upper

168 100

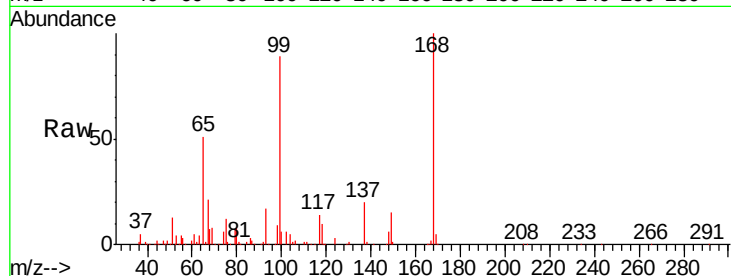
99 88.8 62.6 93.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

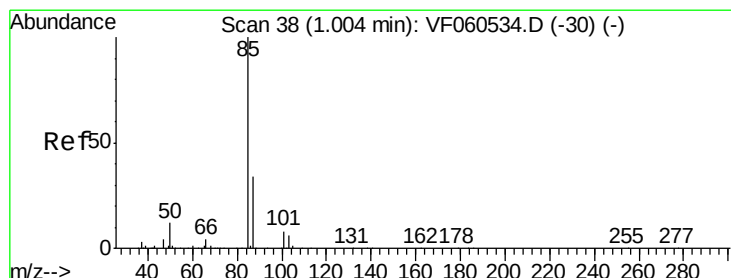
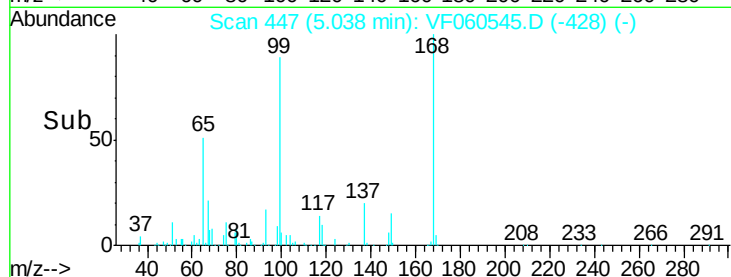
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 31.17 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060545.D

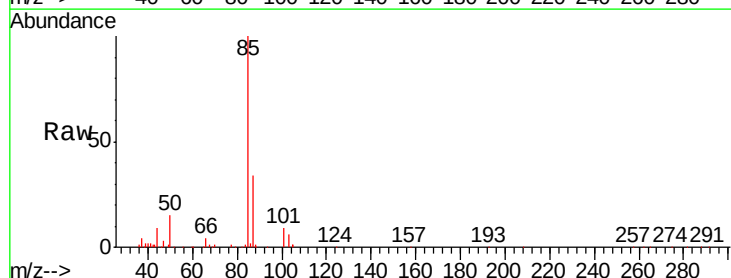
Acq: 30 Oct 2018 15:22

Tgt Ion: 85 Resp: 118132

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

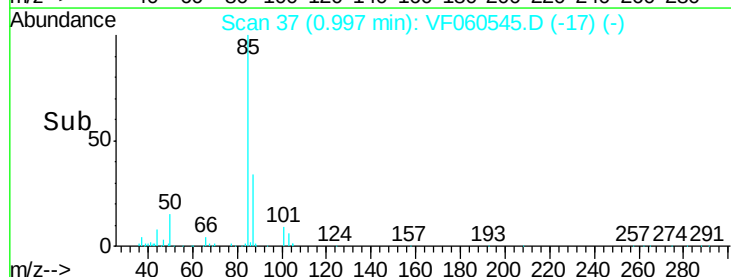
30000

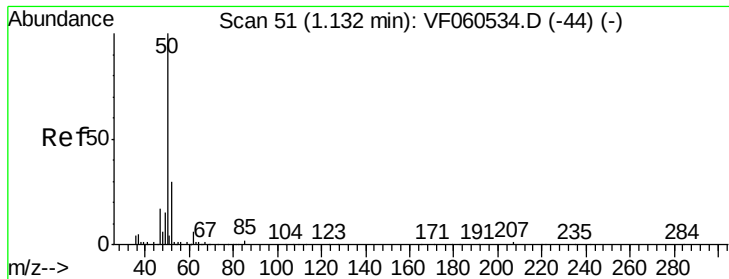
20000

10000

0

Time-->





#3

Chloromethane

Concen: 24.42 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 50 Resp: 56612

Ion Ratio Lower Upper

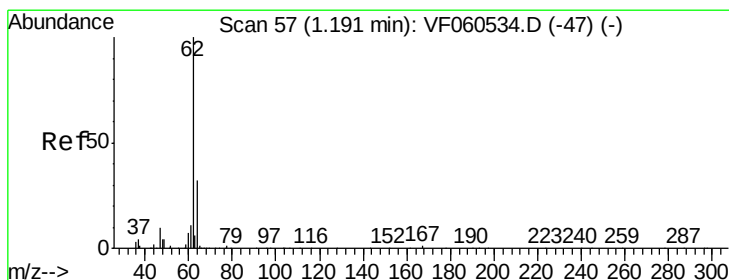
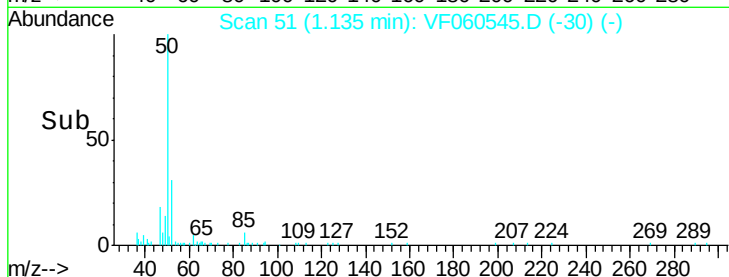
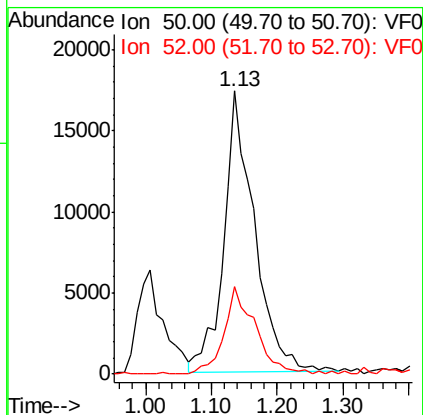
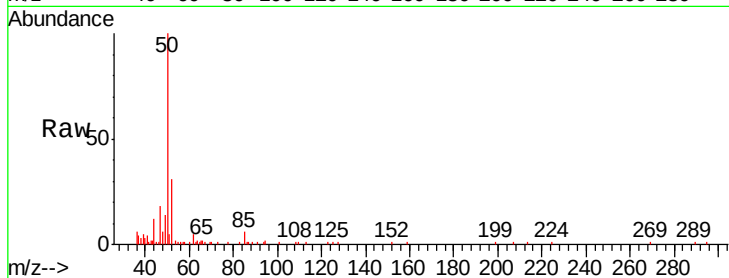
50 100

52 30.7 22.8 34.2

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#4

Vinyl Chloride

Concen: 24.57 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060545.D

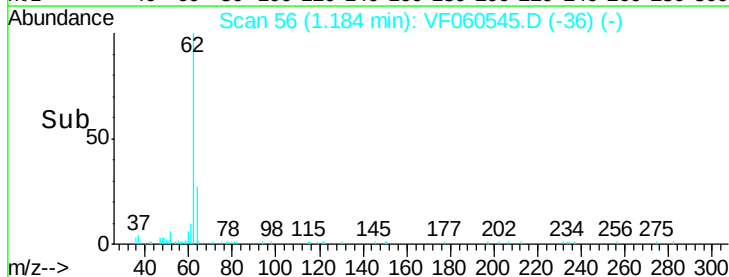
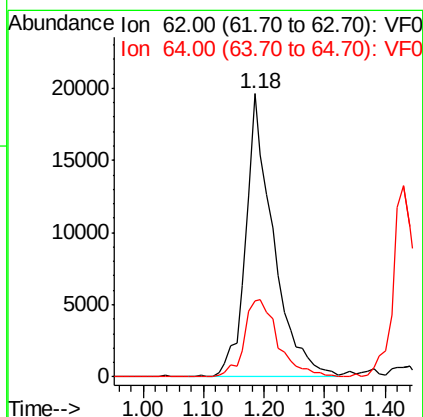
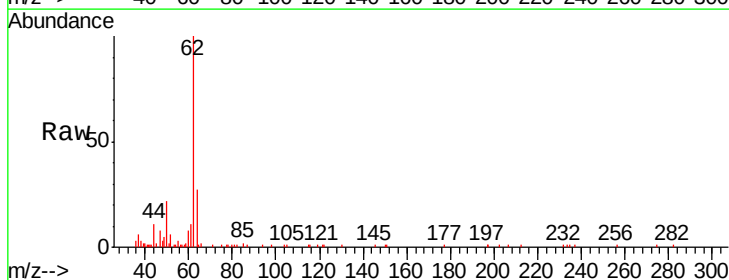
Acq: 30 Oct 2018 15:22

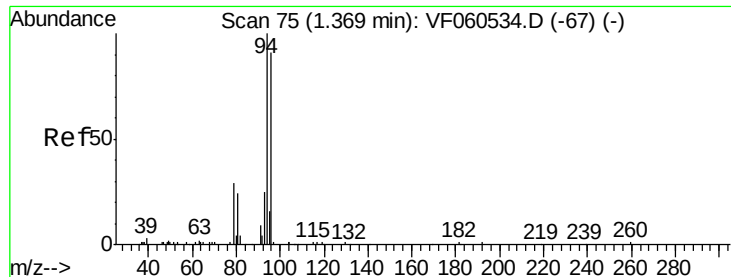
Tgt Ion: 62 Resp: 62291

Ion Ratio Lower Upper

62 100

64 26.7 25.3 37.9





#5

Bromomethane

Concen: 30.63 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion: 94 Resp: 61041

Ion Ratio Lower Upper

94 100

96 88.0 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

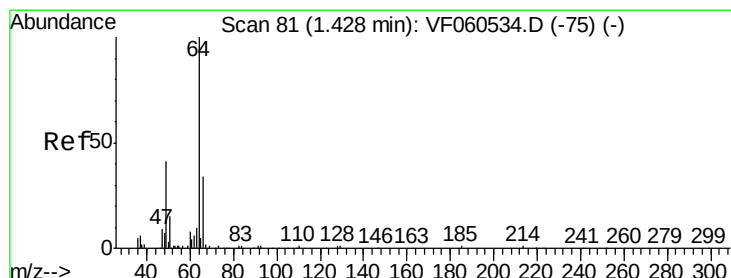
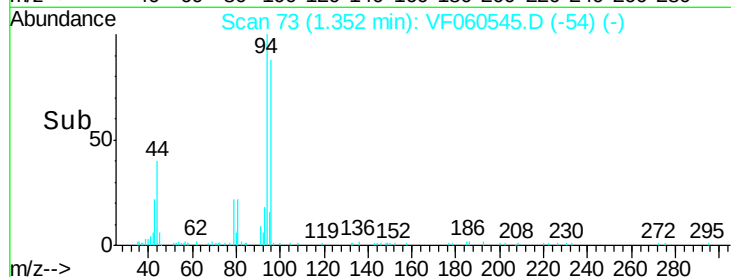
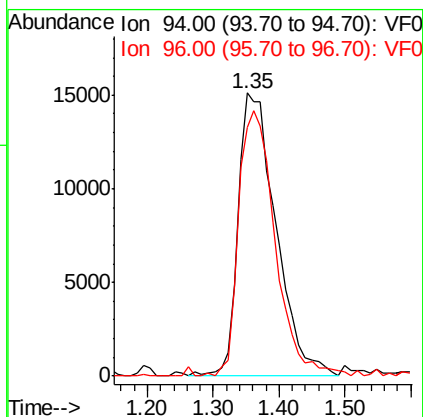
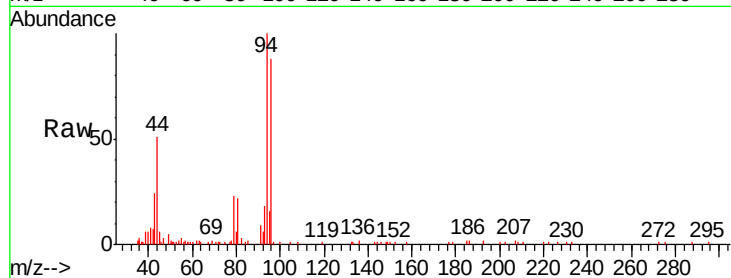
VF1030SBS01

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#6

Chloroethane

Concen: 27.93 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060545.D

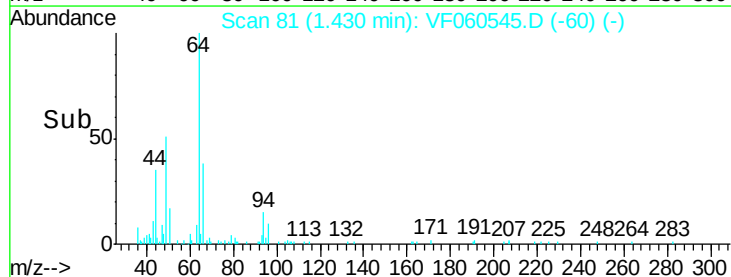
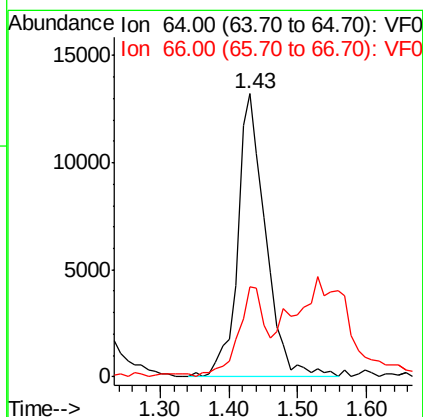
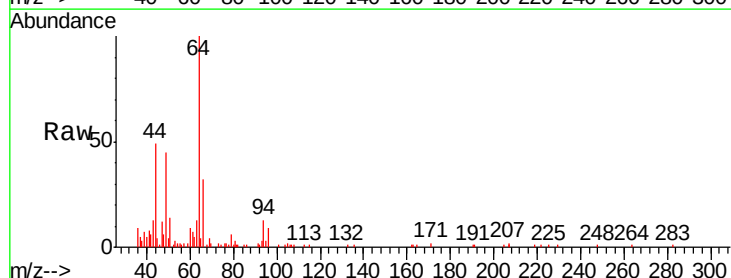
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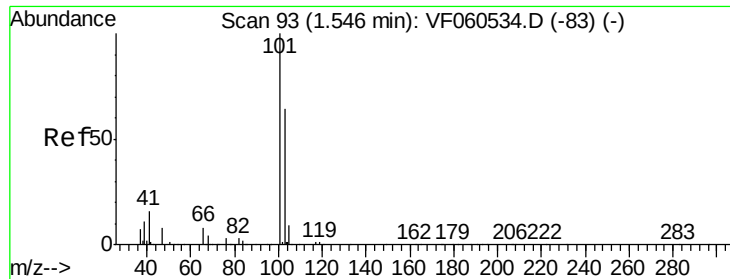
Tgt Ion: 64 Resp: 36865

Ion Ratio Lower Upper

64 100

66 31.9 27.1 40.7





#7

Trichlorofluoromethane

Concen: 28.10 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 101 Resp: 171659

Ion Ratio Lower Upper

101 100

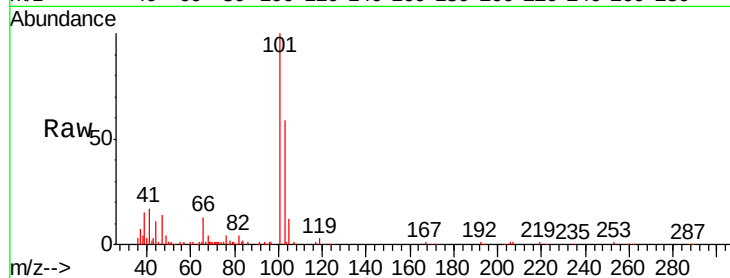
103 59.2 51.6 77.4

Manual Integrations

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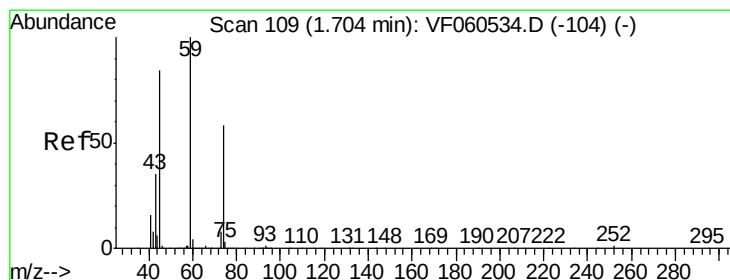
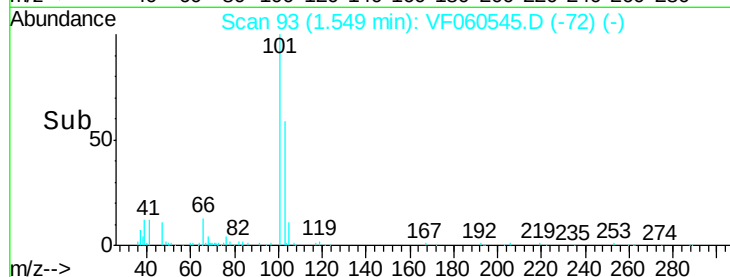
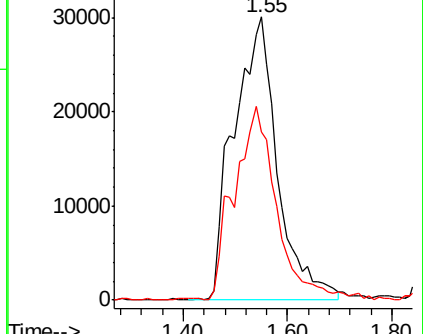
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 24.14 ug/l

RT: 1.71 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060545.D

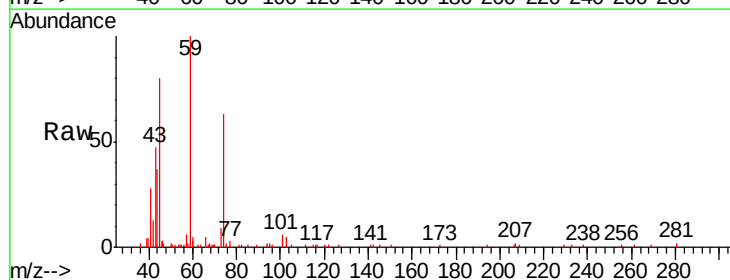
Acq: 30 Oct 2018 15:22

Tgt Ion: 74 Resp: 18497

Ion Ratio Lower Upper

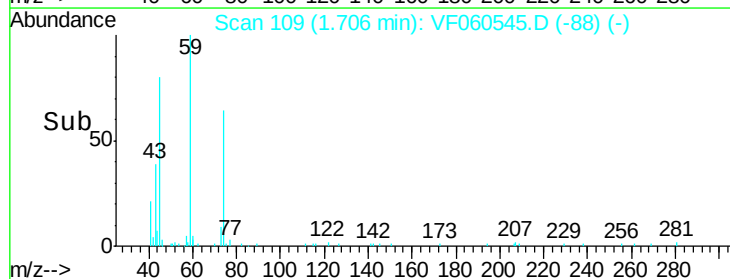
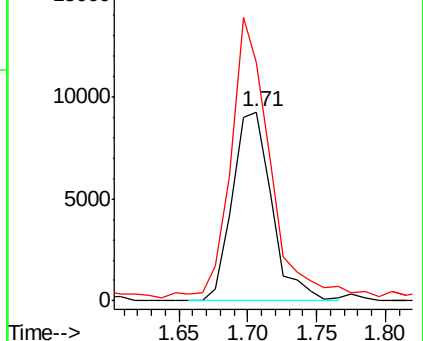
74 100

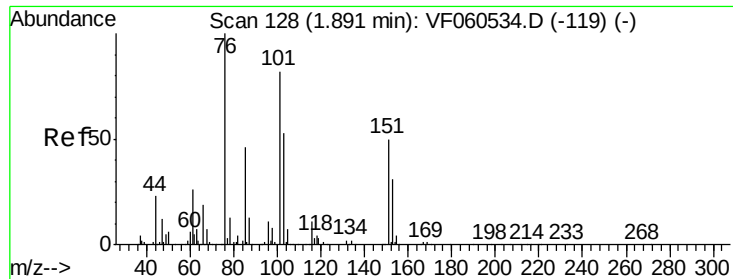
45 126.1 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.47 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

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MSVOA_F

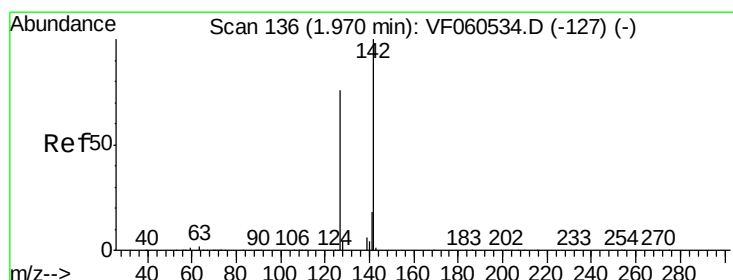
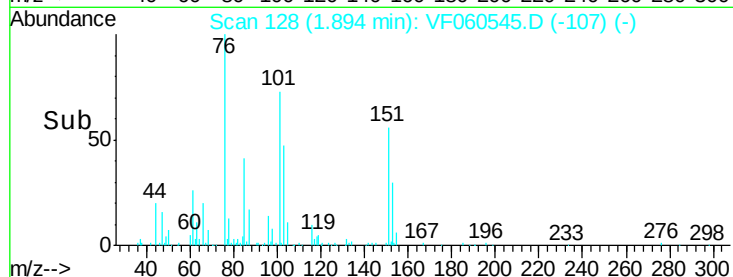
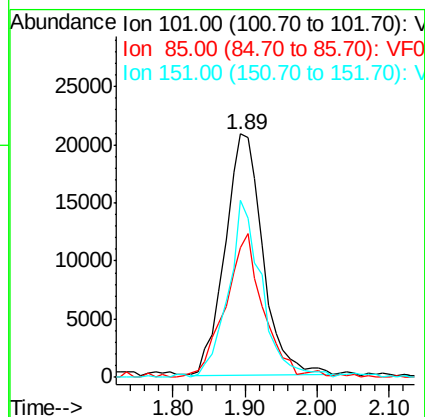
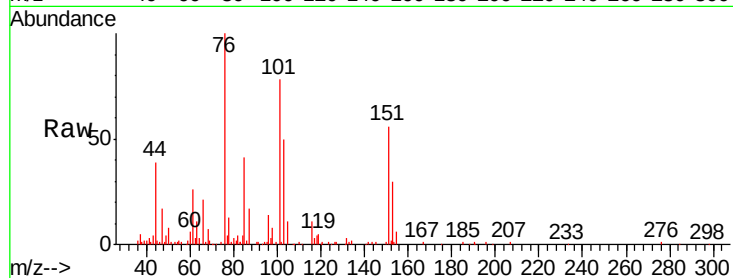
ClientSampleId :

VF1030SBS01

Tgt Ion:	101	Resp:	75477
Ion Ratio	Lower	Upper	
101	100		
85	53.1	44.6	67.0
151	72.6	48.4	72.6#

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#10

Methyl Iodide

Concen: 25.19 ug/l m

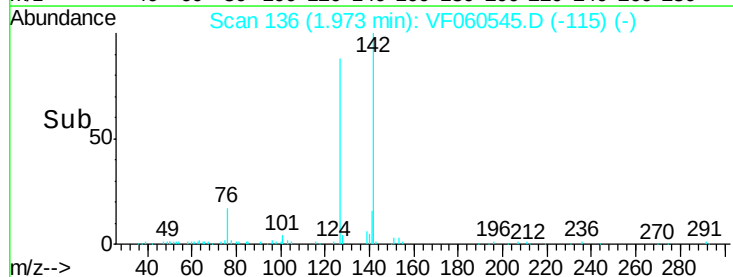
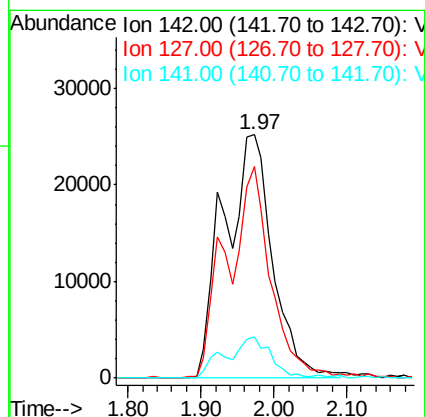
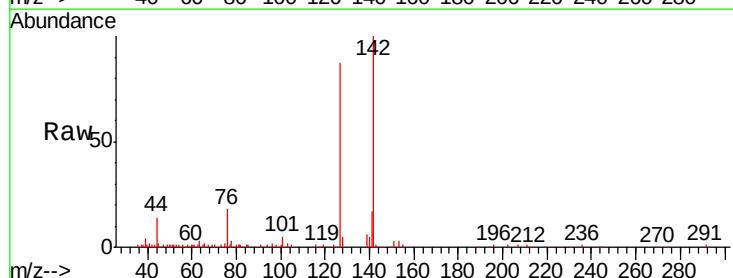
RT: 1.97 min Scan# 136

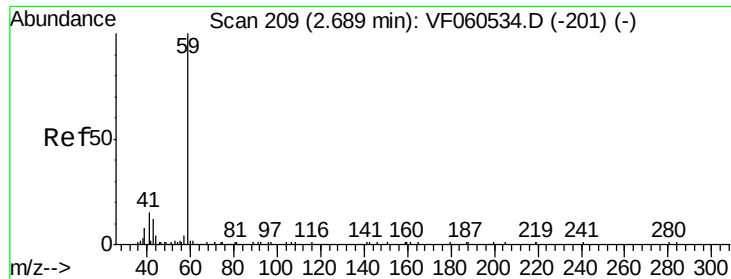
Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	142	Resp:	116377
Ion Ratio	Lower	Upper	
142	100		
127	87.1	61.2	91.8
141	16.8	14.0	21.0





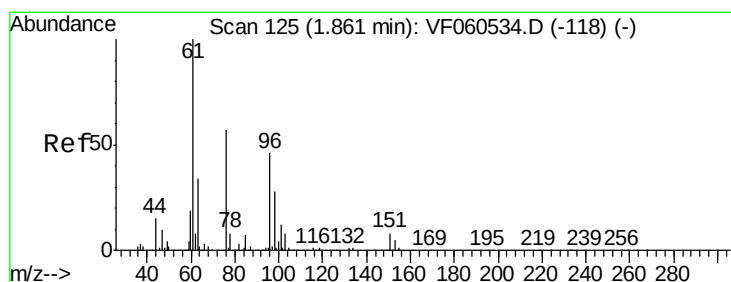
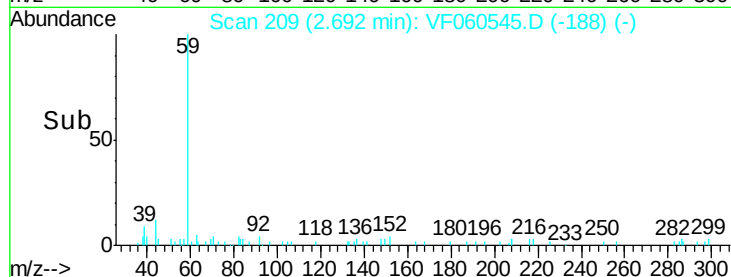
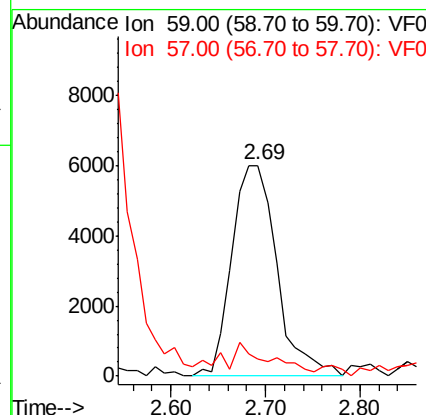
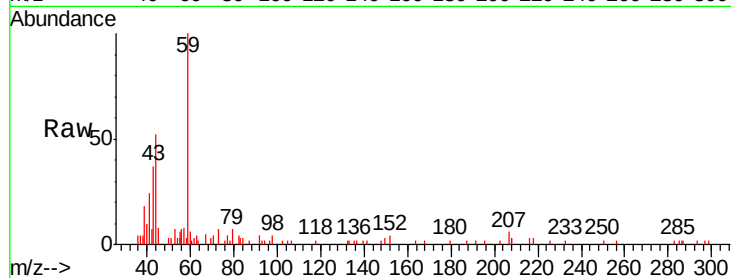
#11
Tert butyl alcohol
Concen: 155.67 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	19889		
57	7.9	8.9	13.3#	

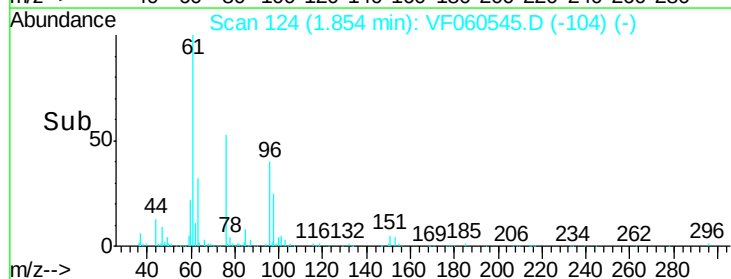
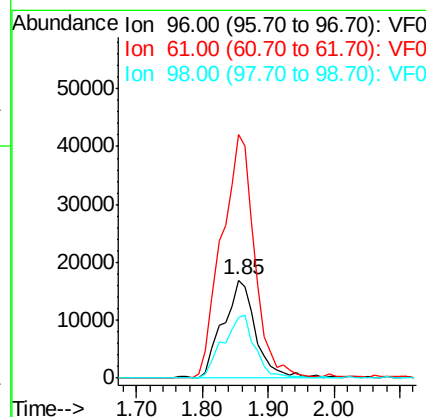
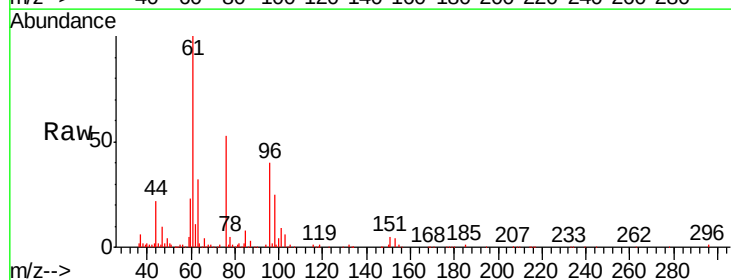
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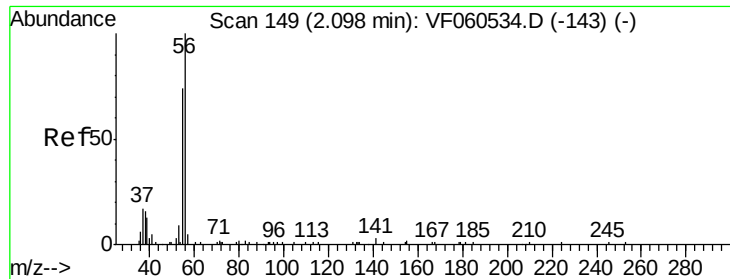
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#12
1,1-Dichloroethene
Concen: 23.93 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	56869		
61	248.3	175.4	263.2	
98	61.9	48.9	73.3	





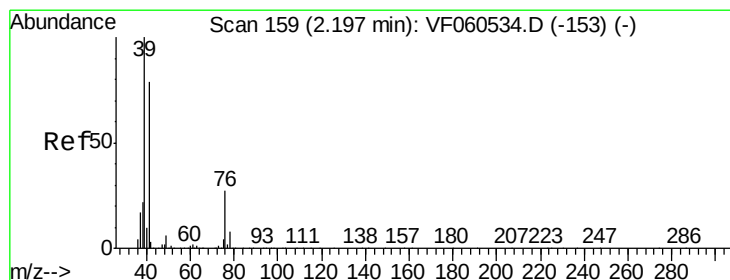
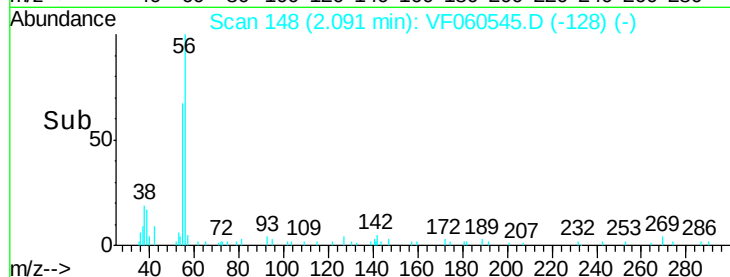
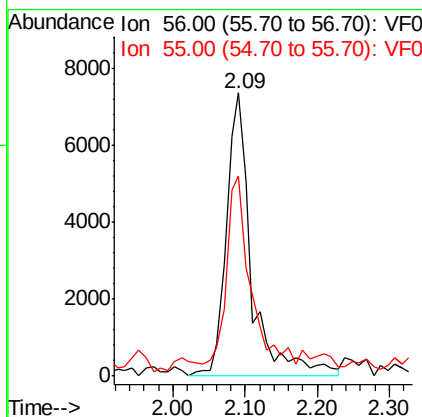
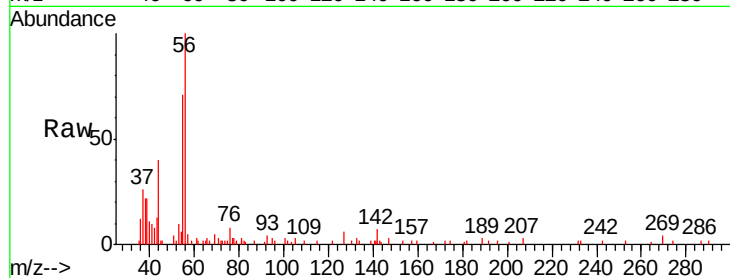
#13
 Acrolein
 Concen: 149.59 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.8	60.4	90.6

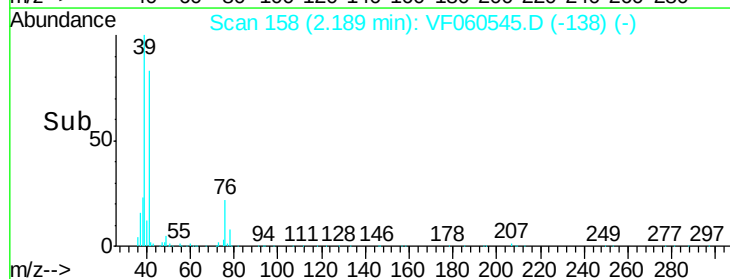
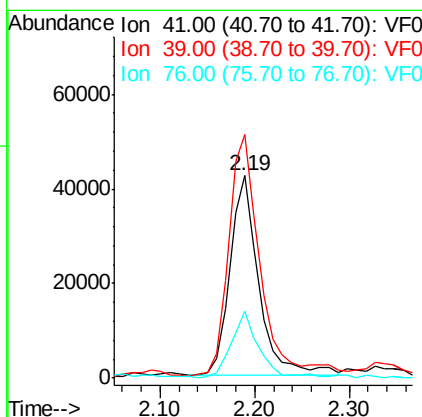
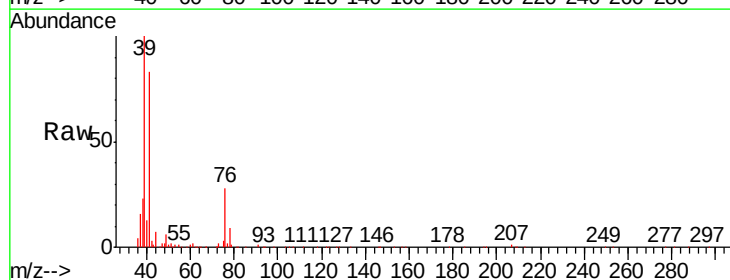
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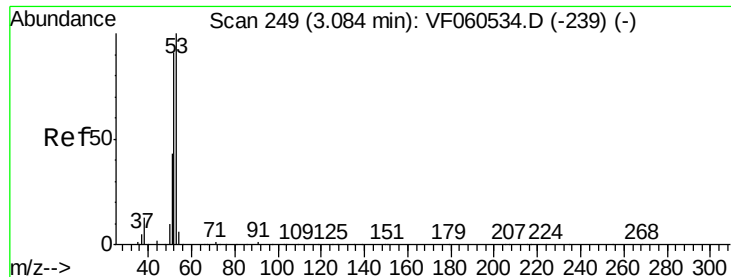
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#14
 Allyl chloride
 Concen: 23.68 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	120.5	100.6	151.0
76	33.2	27.6	41.4





#15

Acrylonitrile

Concen: 105.13 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

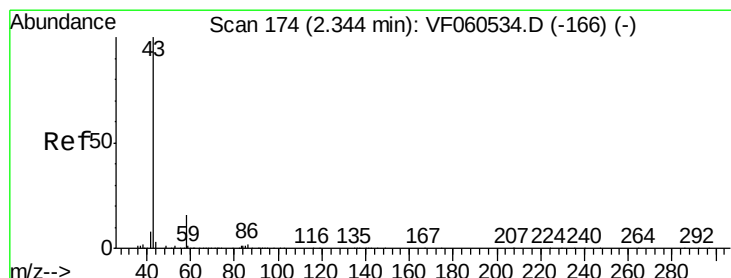
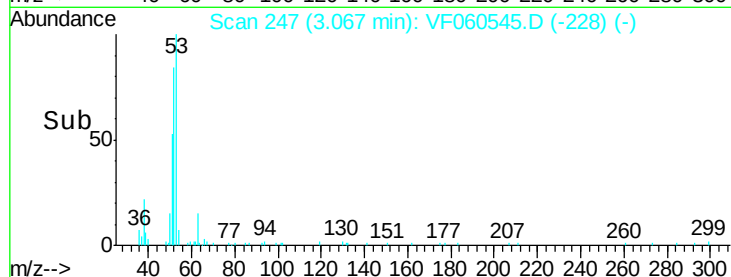
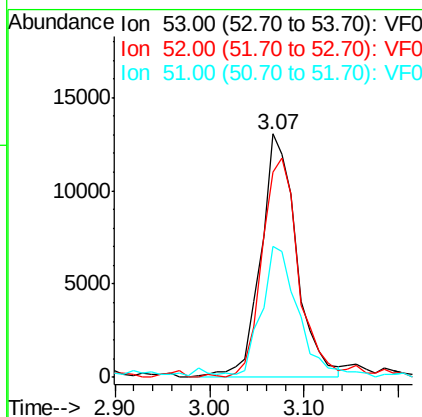
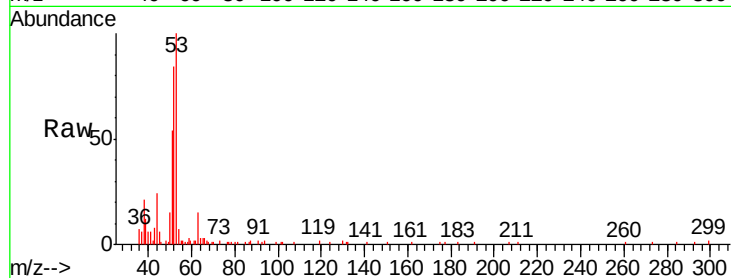
ClientSampleId :

VF1030SBS01

Tgt Ion:	53	Resp:	34292
Ion Ratio	Lower	Upper	
53	100		
52	84.3	73.2	109.8
51	53.7	35.0	52.4#

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#16

Acetone

Concen: 175.88 ug/l

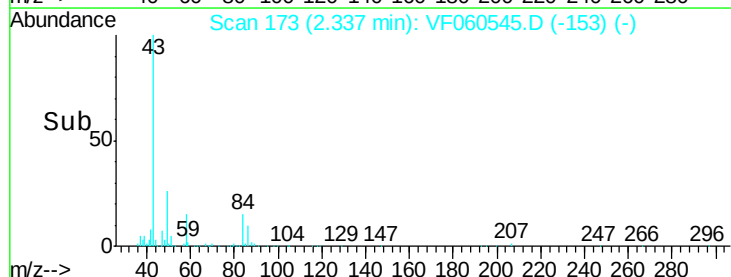
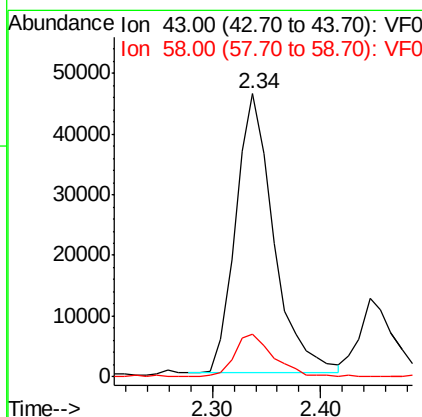
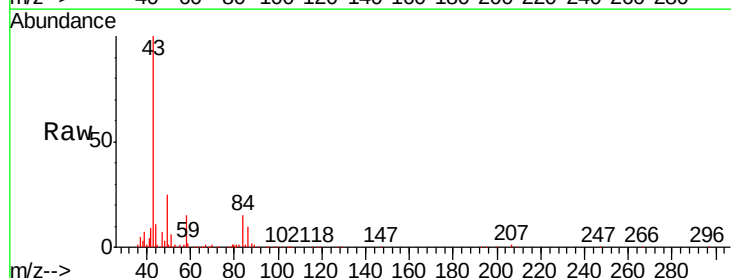
RT: 2.34 min Scan# 173

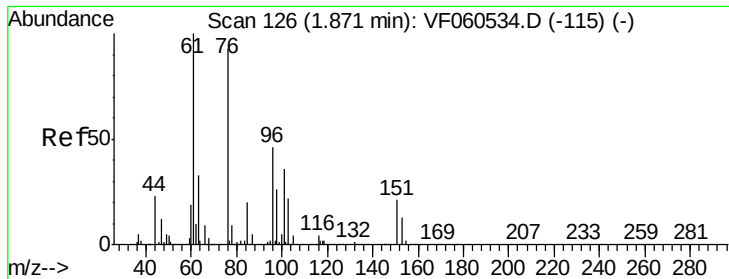
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	43	Resp:	112131
Ion Ratio	Lower	Upper	
43	100		
58	15.1	12.8	19.2





#17

Carbon Disulfide

Concen: 25.80 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 76 Resp: 172316

Ion Ratio Lower Upper

76 100

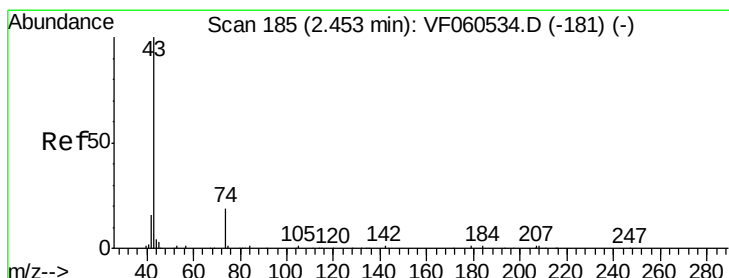
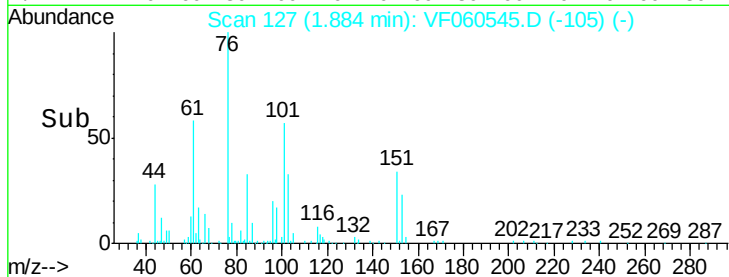
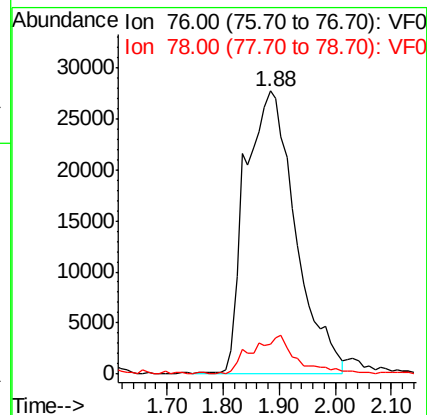
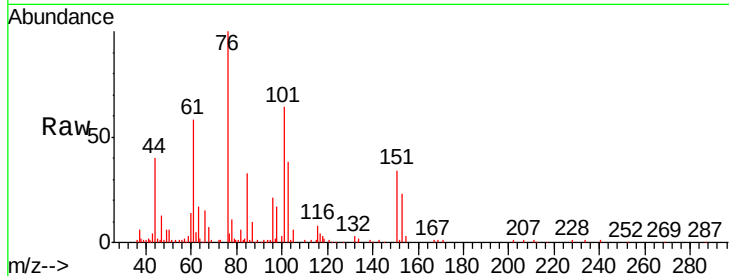
78 10.7 8.0 12.0

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#18

Methyl Acetate

Concen: 25.25 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060545.D

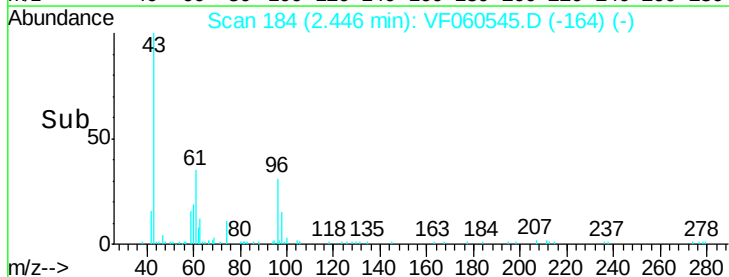
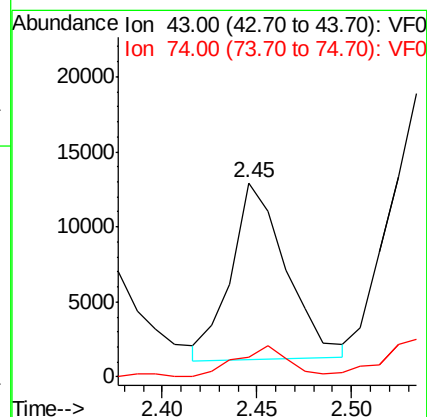
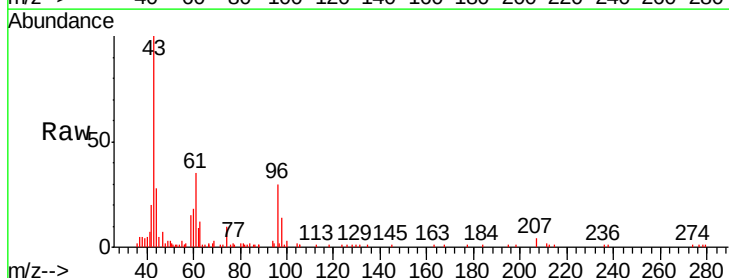
Acq: 30 Oct 2018 15:22

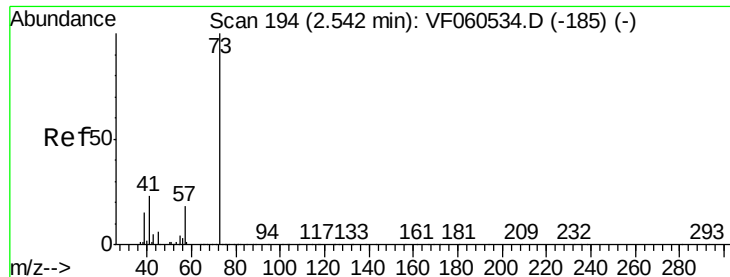
Tgt Ion: 43 Resp: 23722

Ion Ratio Lower Upper

43 100

74 10.2 13.5 20.3#





#19

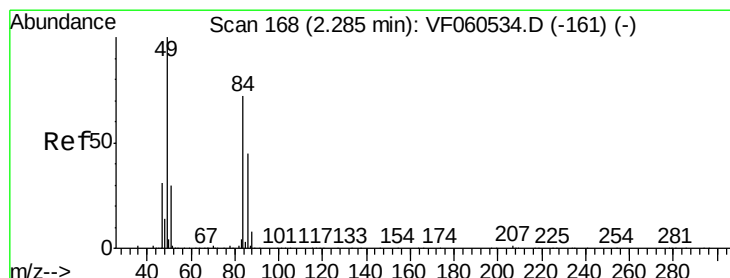
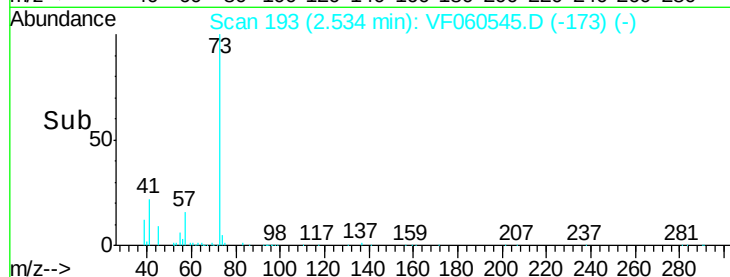
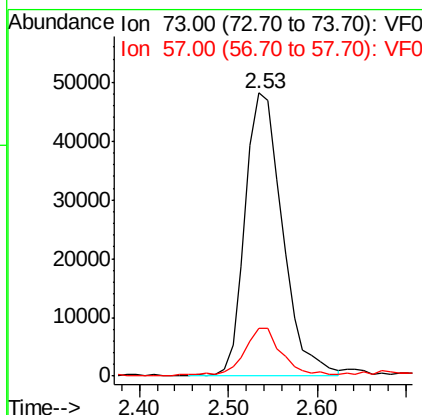
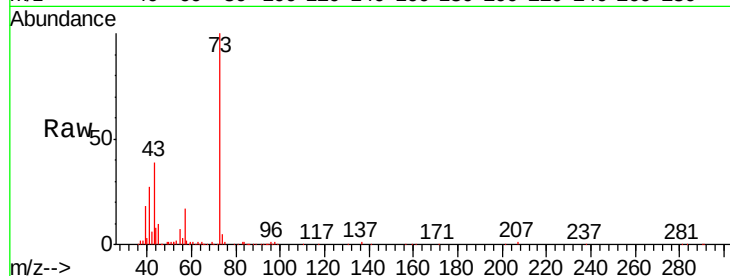
Methyl tert-butyl Ether
Concen: 26.32 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	16.9	14.7	22.1

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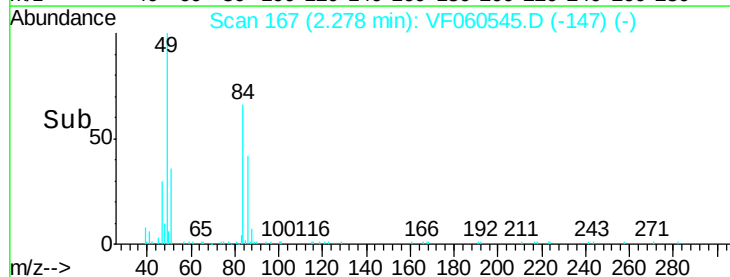
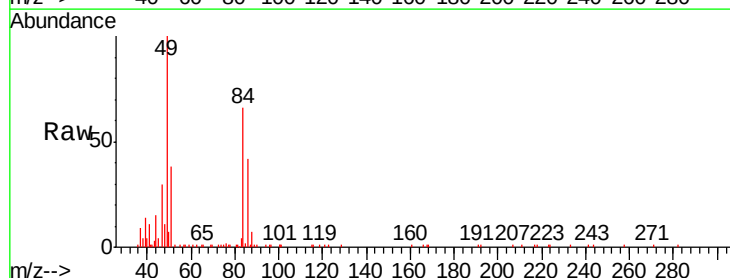
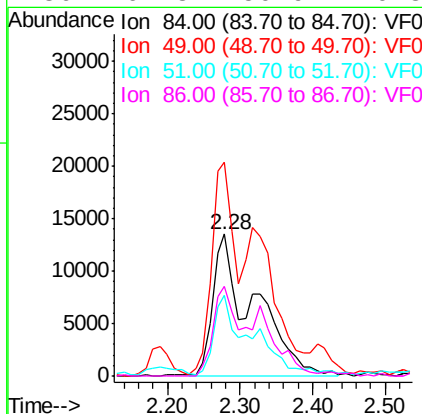
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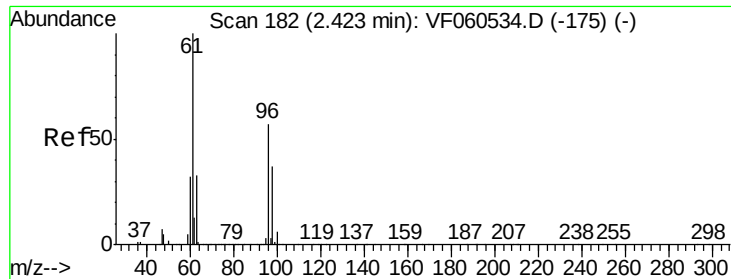


#20

Methylene Chloride
Concen: 24.12 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.6	115.4	173.0
51	57.2	35.4	53.2
86	62.8	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 23.35 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

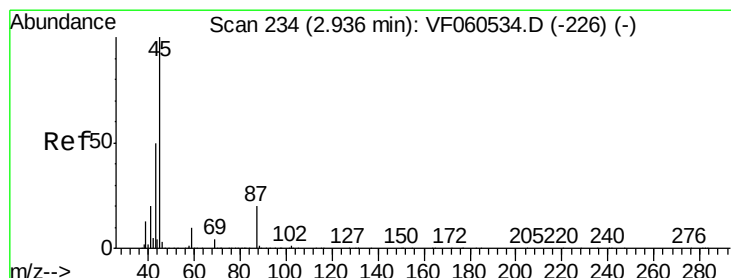
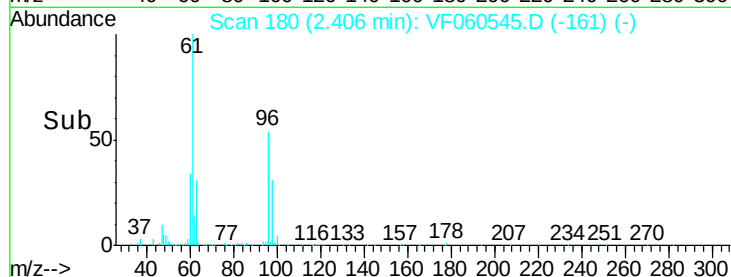
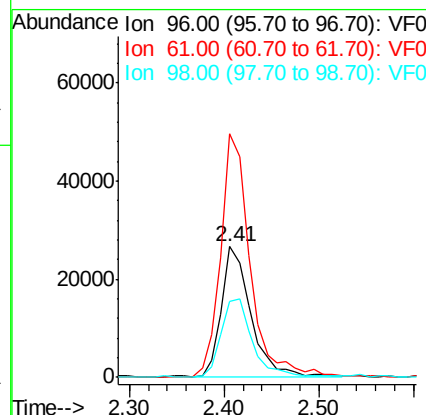
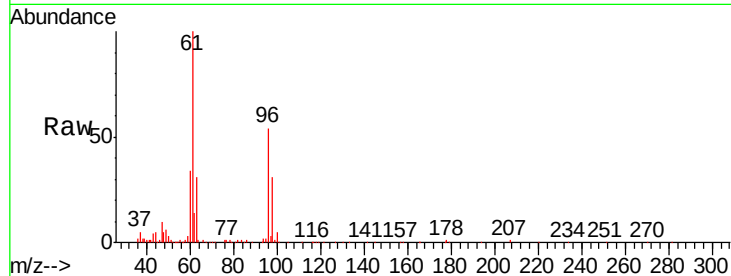
ClientSampleId :

VF1030SBS01

Tgt Ion:	96	Resp:	56759
Ion	Ratio	Lower	Upper
96	100		
61	186.2	139.8	209.6
98	58.2	52.2	78.4

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#22

Diisopropyl ether

Concen: 24.39 ug/l

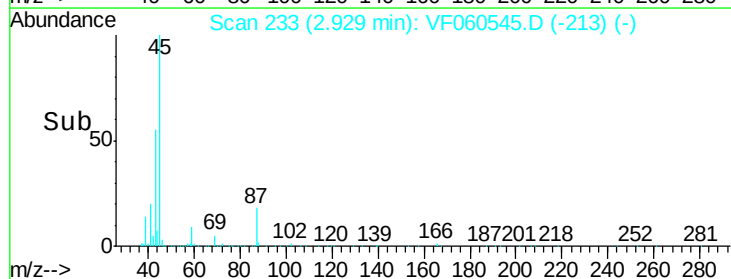
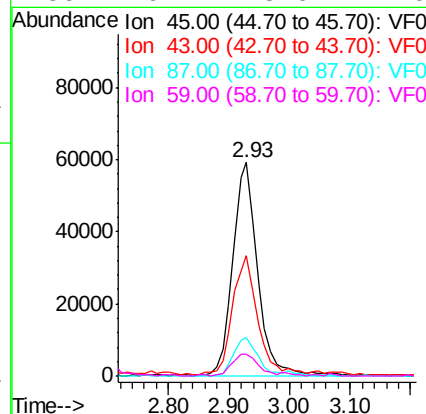
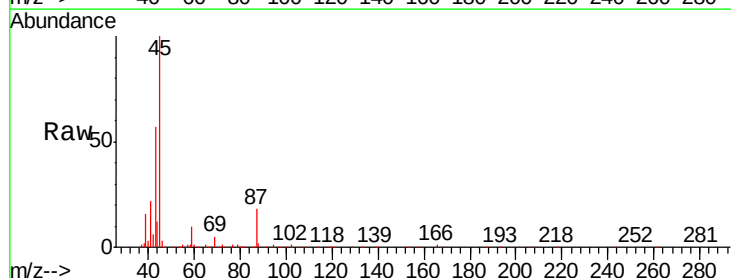
RT: 2.93 min Scan# 233

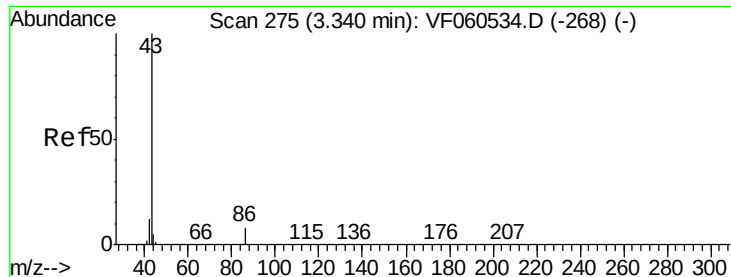
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	45	Resp:	167446
Ion	Ratio	Lower	Upper
45	100		
43	56.5	40.6	60.8
87	18.3	15.9	23.9
59	10.2	8.0	12.0





#23

Vinyl Acetate

Concen: 113.86 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

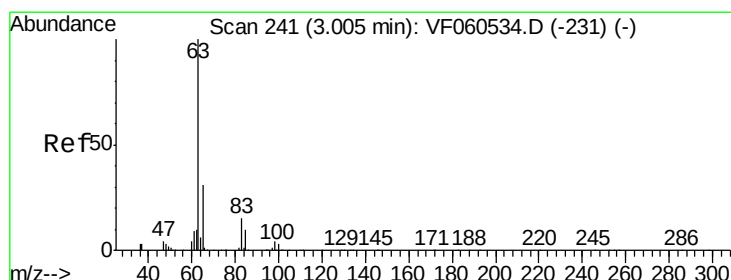
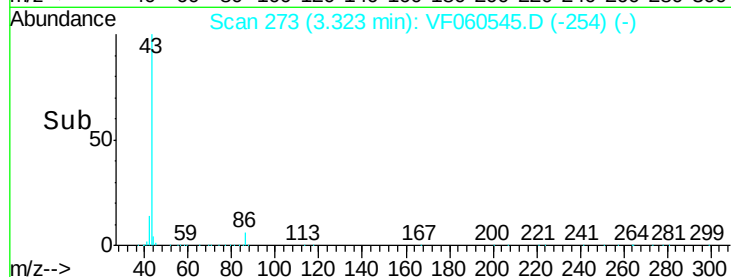
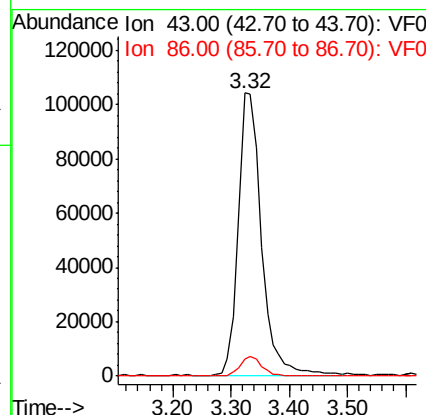
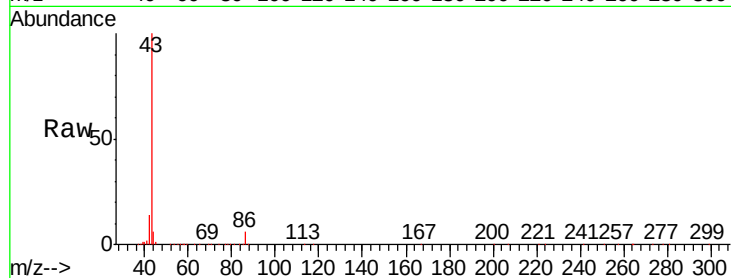
ClientSampleId :

VF1030SBS01

Tgt Ion:	43	Resp:	289905
Ion Ratio	Lower	Upper	
43	100		
86	6.0	6.2	9.2#

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#24

1,1-Dichloroethane

Concen: 25.16 ug/l

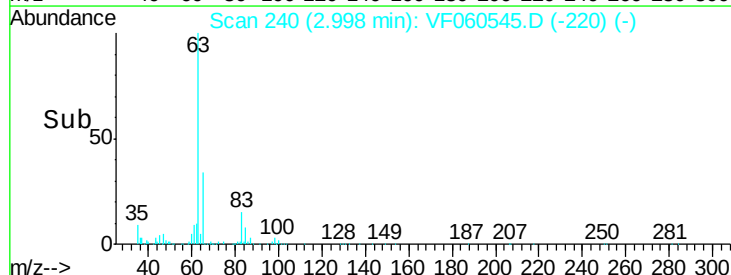
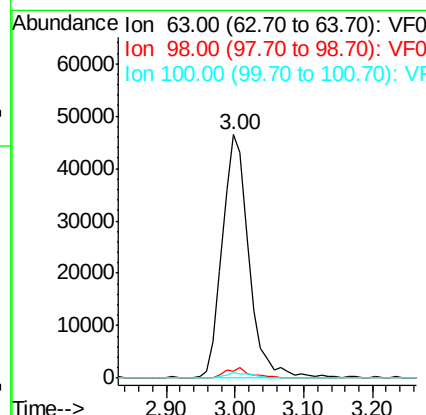
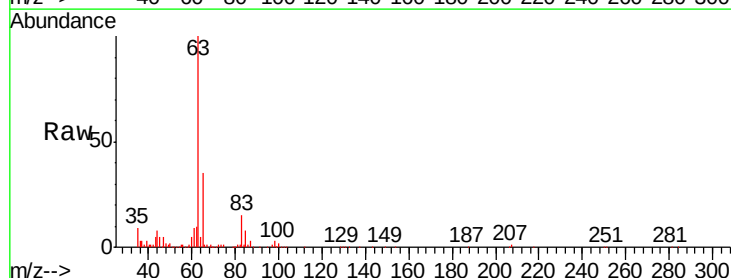
RT: 3.00 min Scan# 240

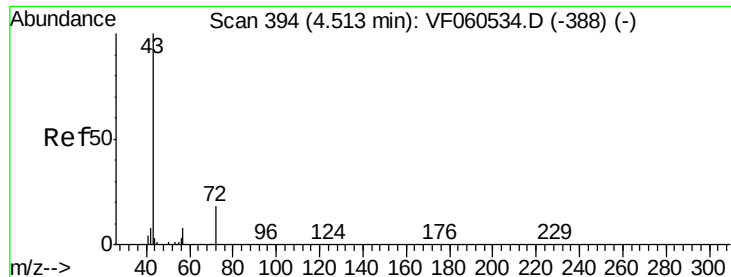
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	63	Resp:	124638
Ion Ratio	Lower	Upper	
63	100		
98	3.1	2.0	6.0
100	2.3	1.4	4.0





#25

2-Butanone

Concen: 117.98 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

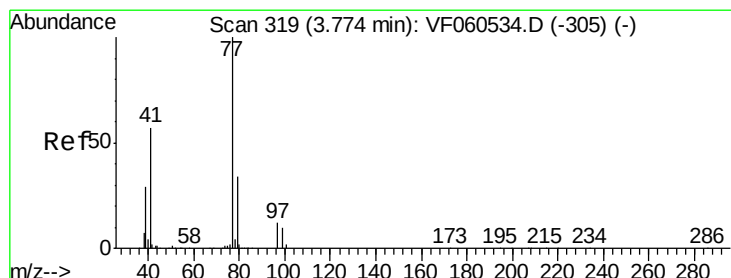
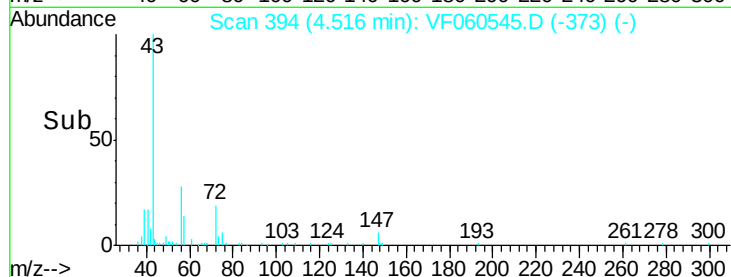
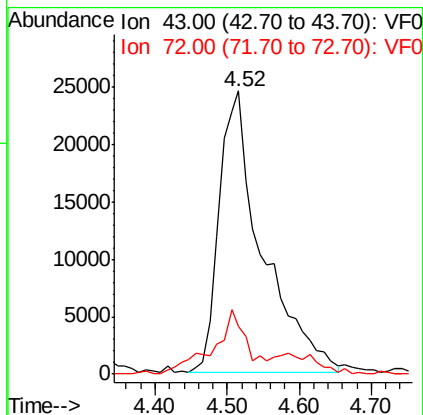
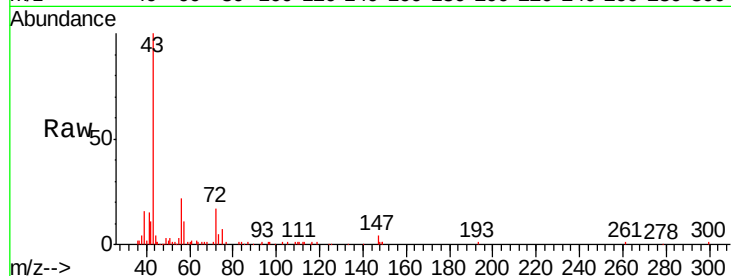
Tgt Ion: 43 Resp: 100937
Ion Ratio Lower Upper

43 100

72 16.8 17.4 26.0#

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#26

2,2-Dichloropropane

Concen: 25.48 ug/l

RT: 3.76 min Scan# 317

Delta R.T. -0.02 min

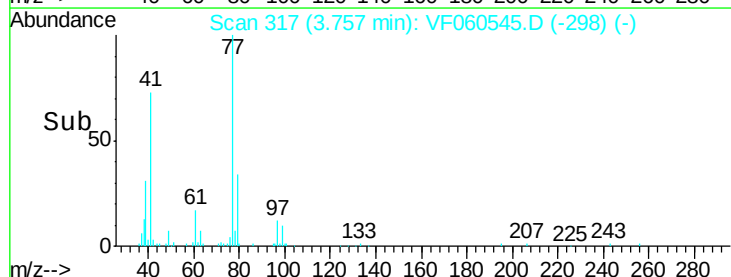
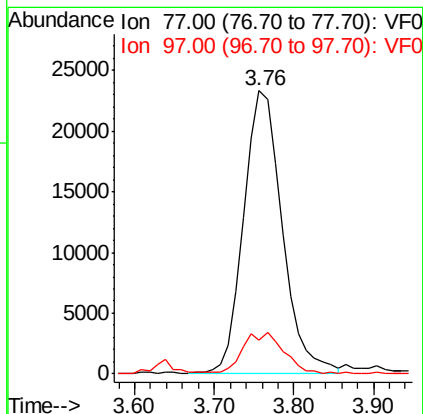
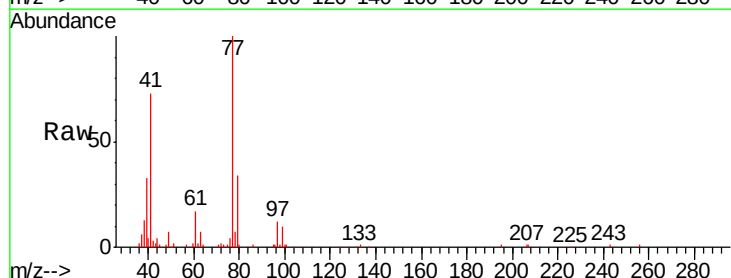
Lab File: VF060545.D

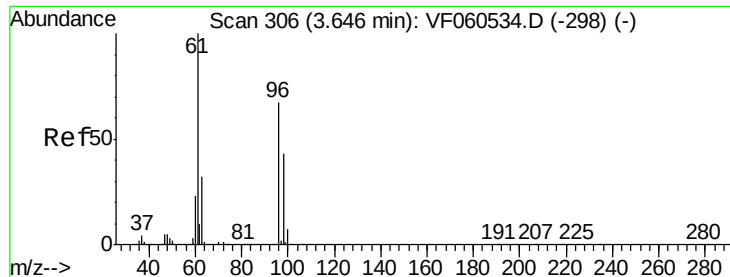
Acq: 30 Oct 2018 15:22

Tgt Ion: 77 Resp: 78433
Ion Ratio Lower Upper

77 100

97 12.0 8.5 25.5





#27

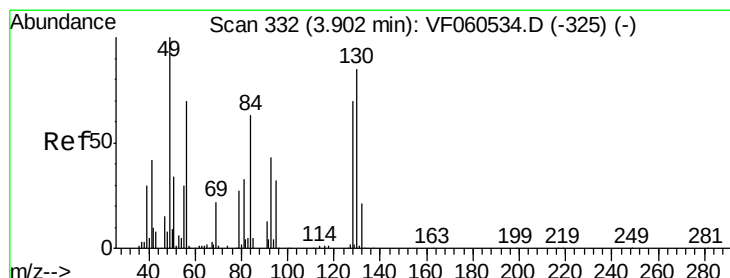
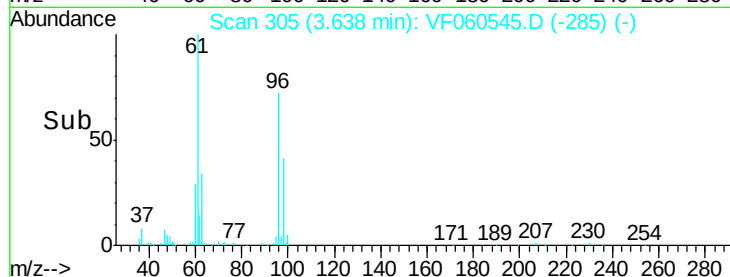
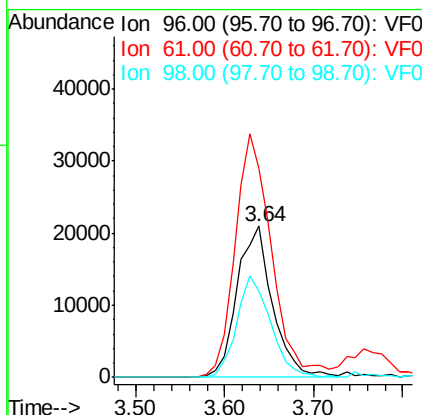
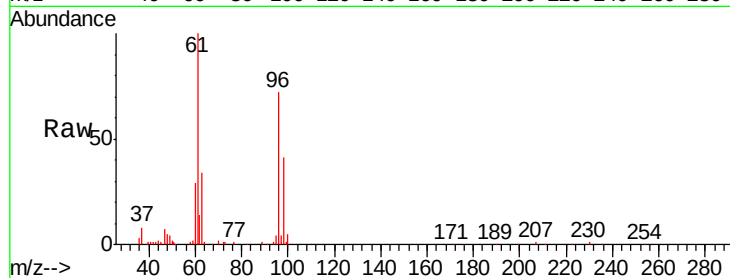
cis-1,2-Dichloroethene
 Concen: 19.86 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	300.8
98	57.4	0.0	128.4

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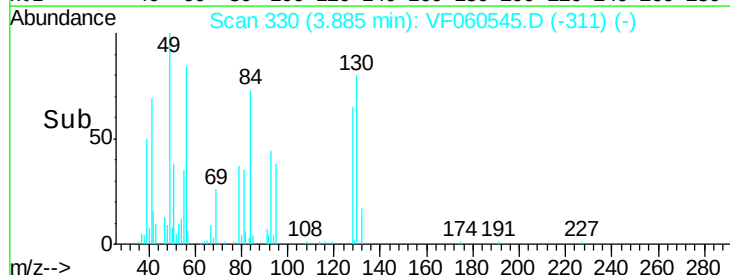
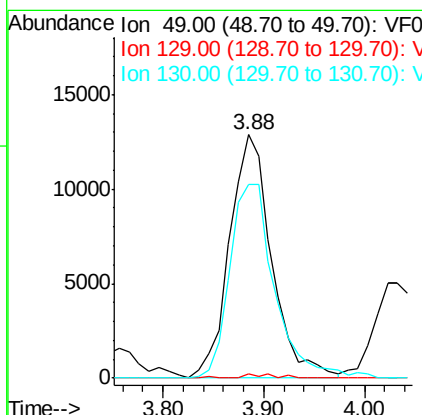
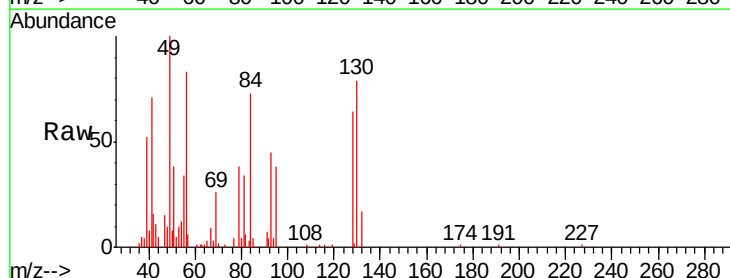
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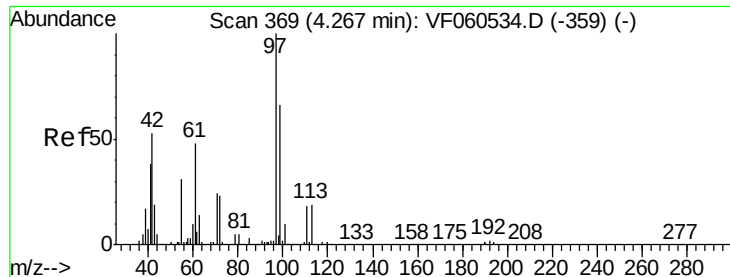


#28

Bromochloromethane
 Concen: 20.93 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	79.4	67.5	101.3





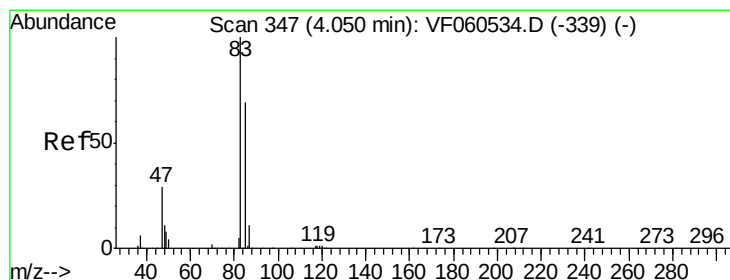
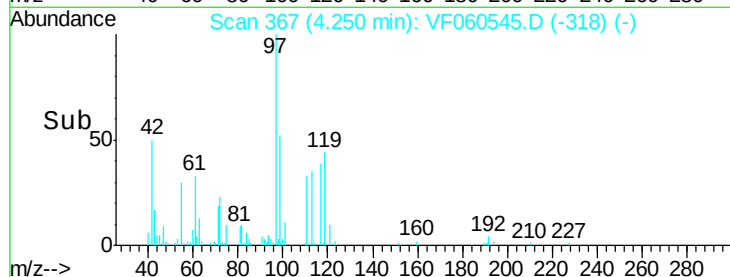
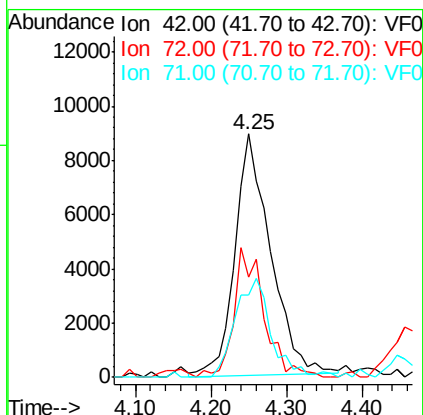
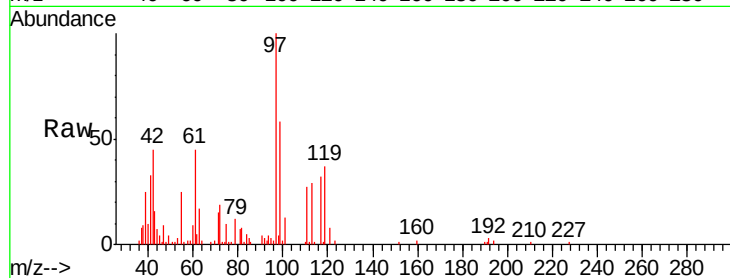
#29
Tetrahydrofuran
Concen: 98.43 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.0	32.5	48.7
71	40.6	34.5	51.7

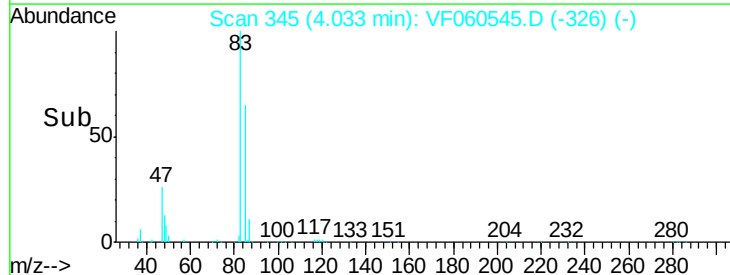
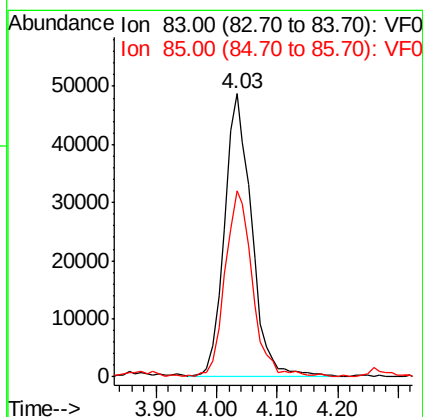
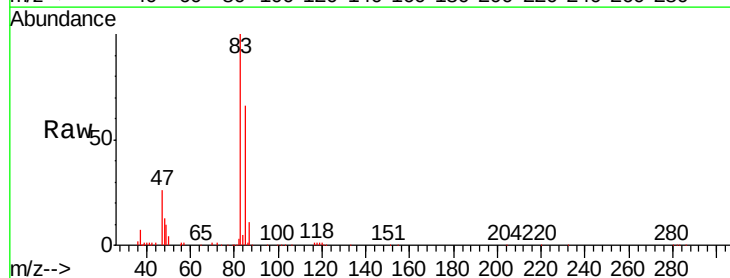
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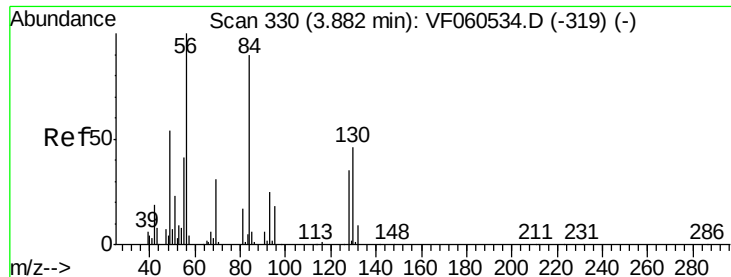
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#30
Chloroform
Concen: 24.08 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	55.0	82.4





#31

Cyclohexane

Concen: 20.15 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

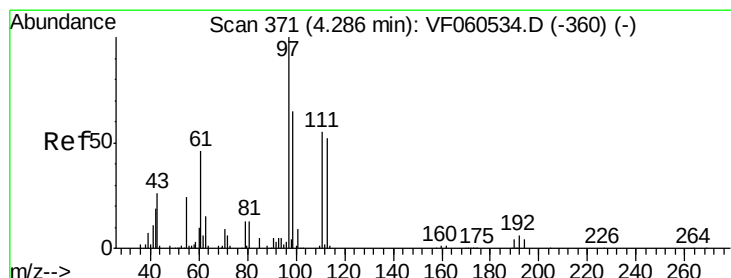
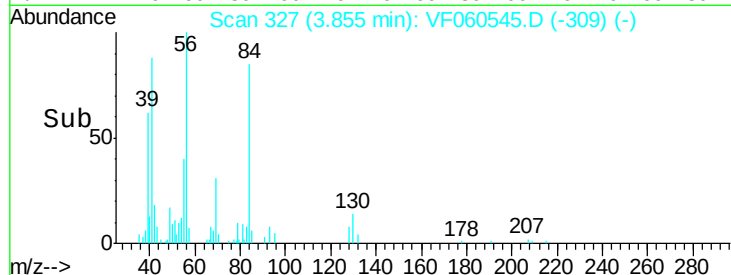
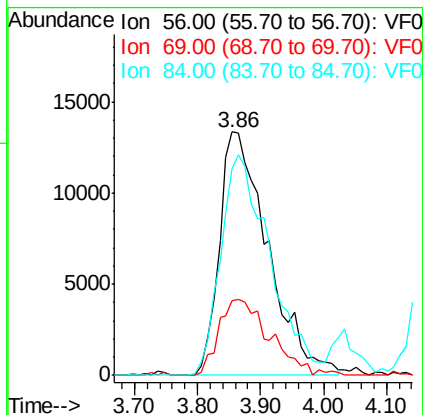
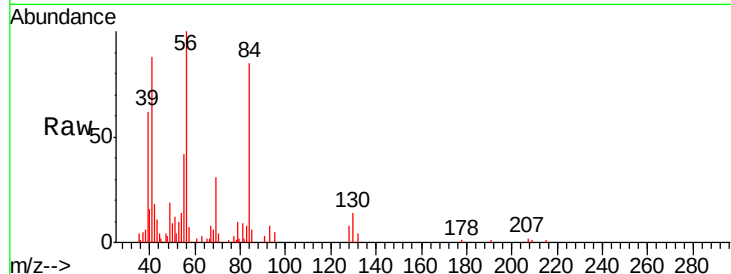
ClientSampleId :

VF1030SBS01

Tgt Ion:	56	Resp:	71267
Ion Ratio	Lower	Upper	
56	100		
69	30.8	25.0	37.6
84	84.9	72.1	108.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.33 ug/l

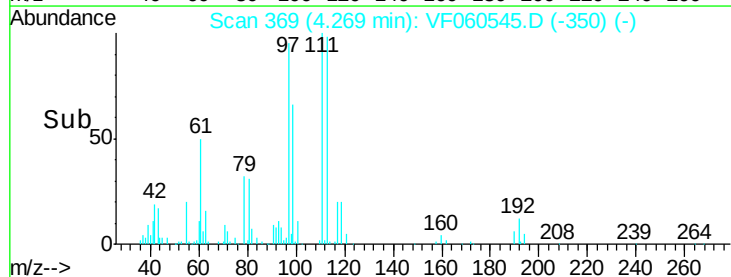
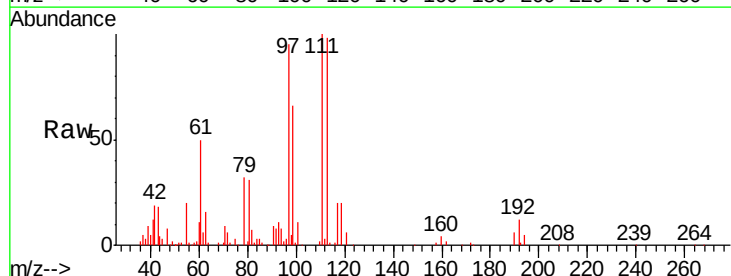
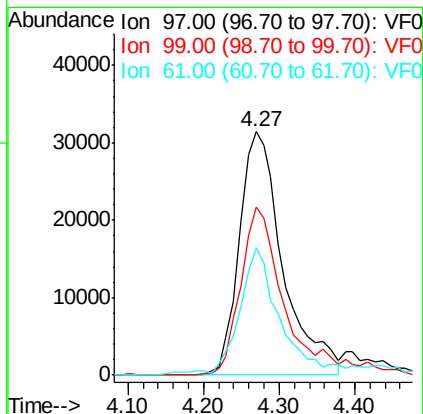
RT: 4.27 min Scan# 369

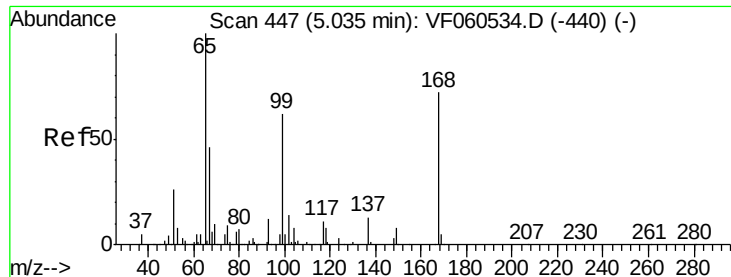
Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	97	Resp:	125829
Ion Ratio	Lower	Upper	
97	100		
99	69.2	51.7	77.5
61	52.5	36.8	55.2





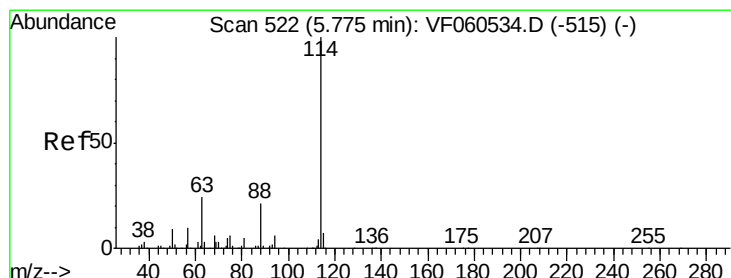
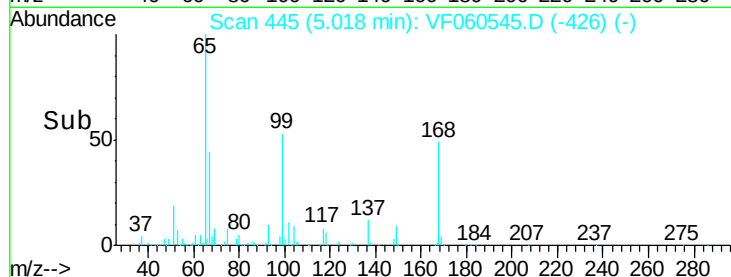
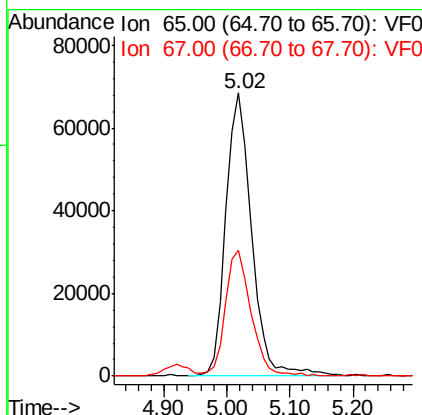
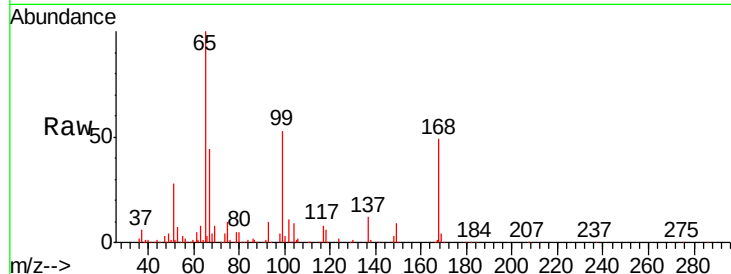
#33
 1,2-Dichloroethane-d4
 Concen: 59.75 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
67	44.4	0.0	94.4

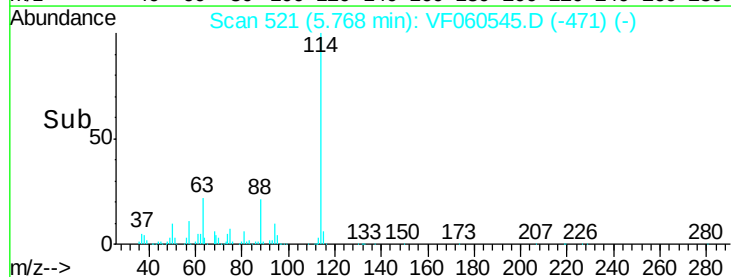
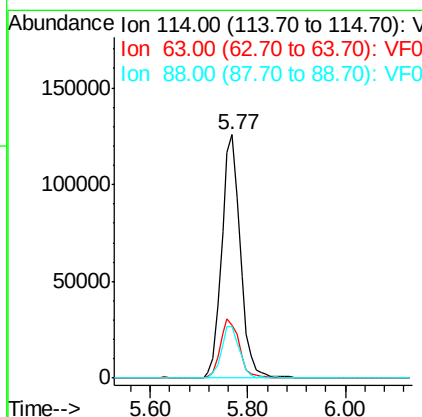
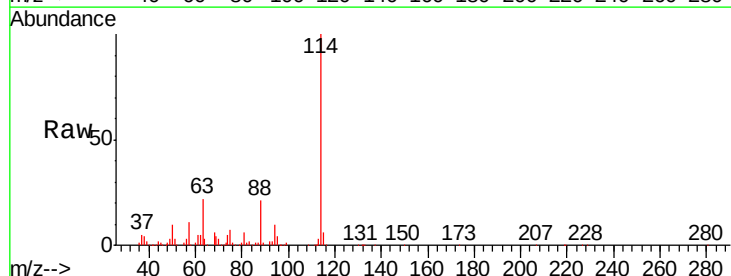
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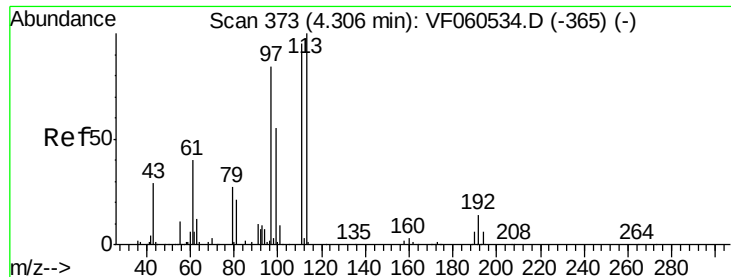
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	21.6	0.0	48.0
88	21.0	0.0	42.0





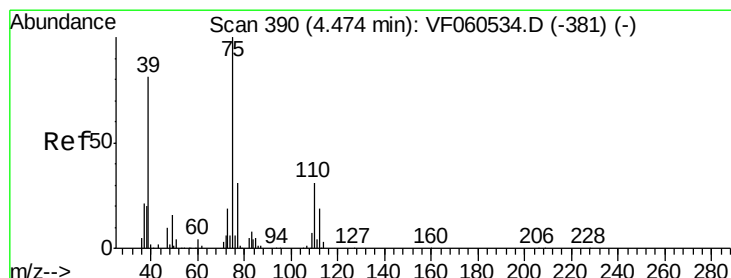
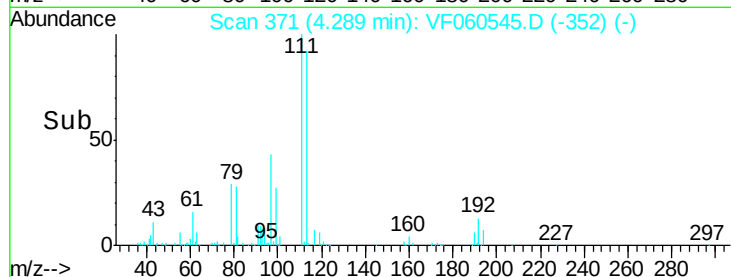
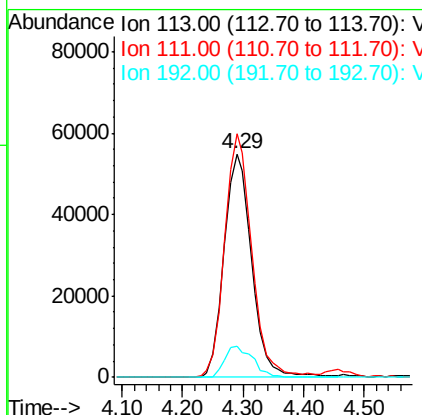
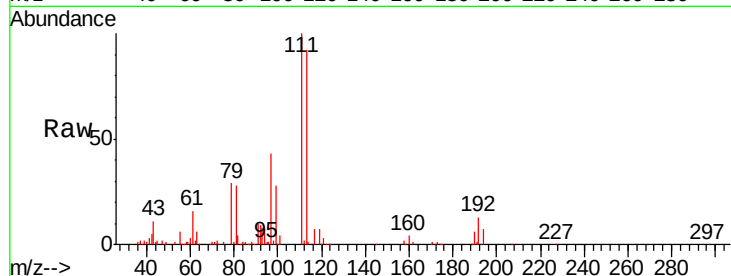
#35
 Dibromofluoromethane
 Concen: 54.08 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	173878		
111	108.8	75.9	113.9	
192	14.2	11.2	16.8	

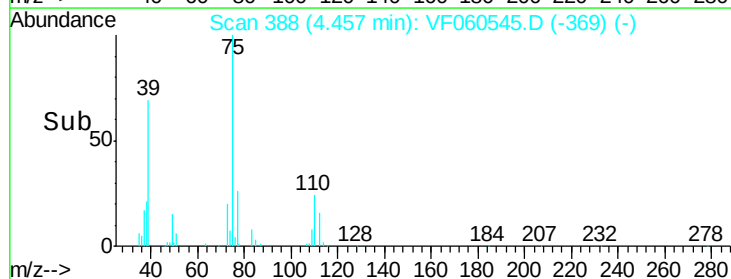
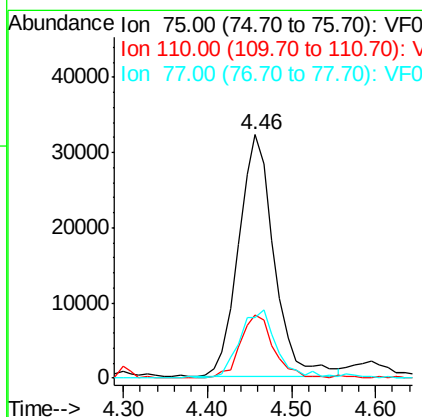
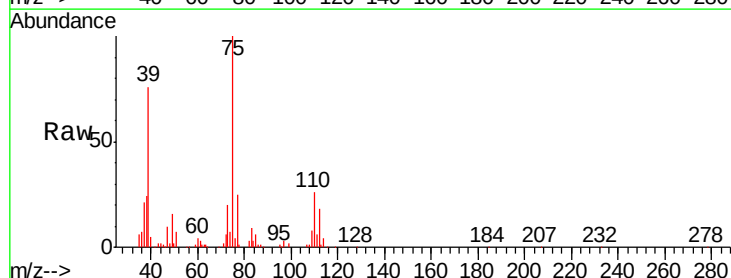
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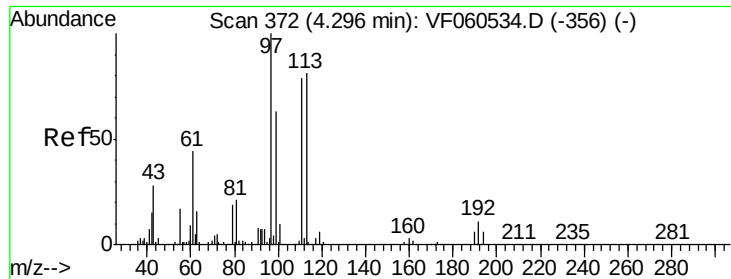
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#36
 1,1-Dichloropropene
 Concen: 22.83 ug/l
 RT: 4.46 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95304		
110	25.8	15.3	45.8	
77	24.9	24.8	37.2	





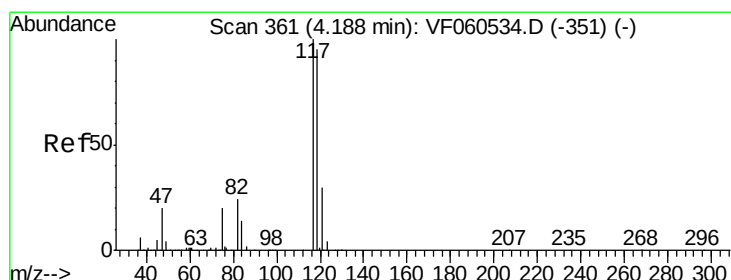
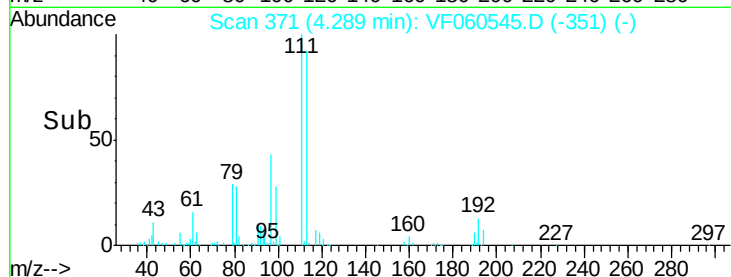
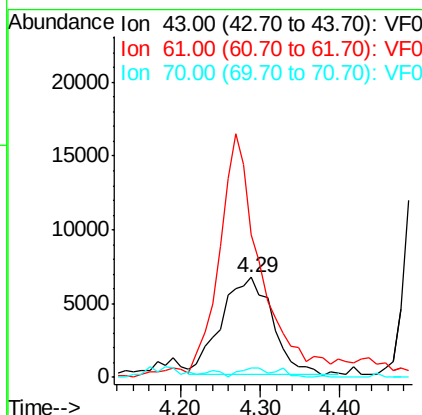
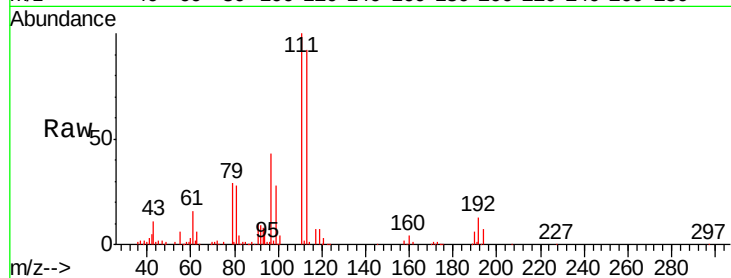
#37
Ethyl Acetate
Concen: 21.57 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	143.0	123.9	185.9
70	9.3	7.3	10.9

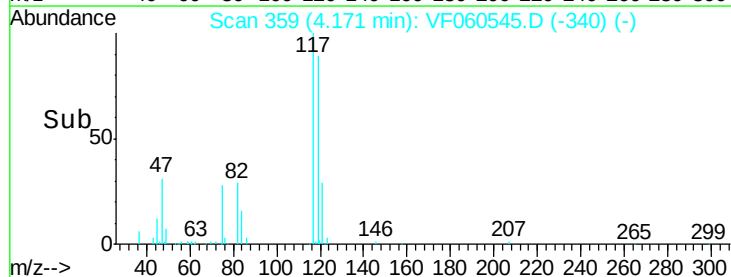
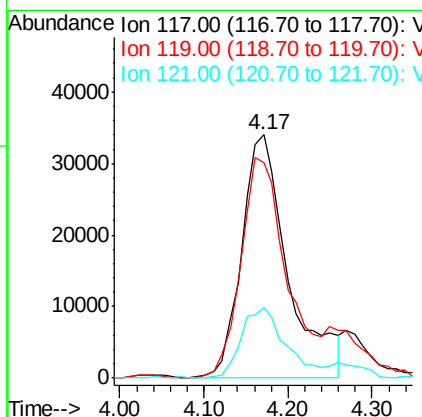
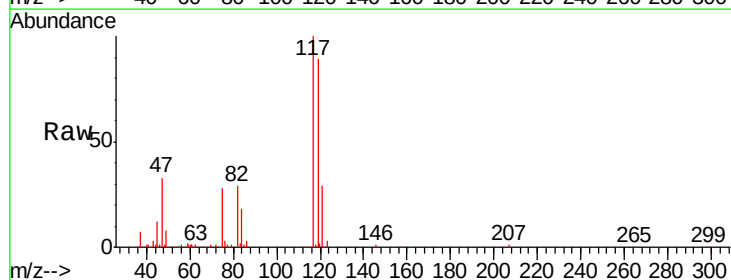
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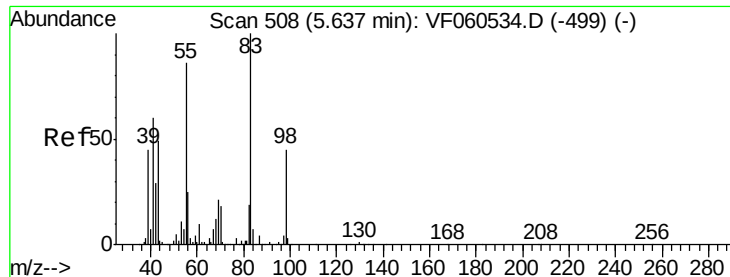
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#38
Carbon Tetrachloride
Concen: 26.32 ug/l
RT: 4.17 min Scan# 359
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	76.5	114.7
121	29.2	24.3	36.5





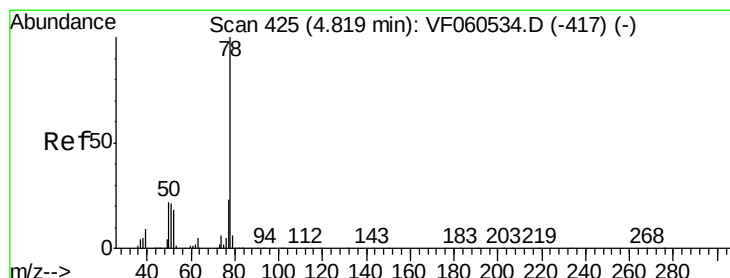
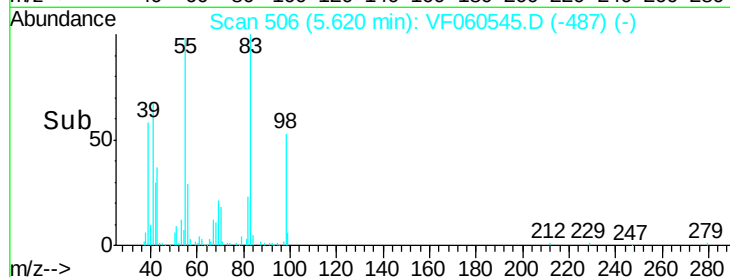
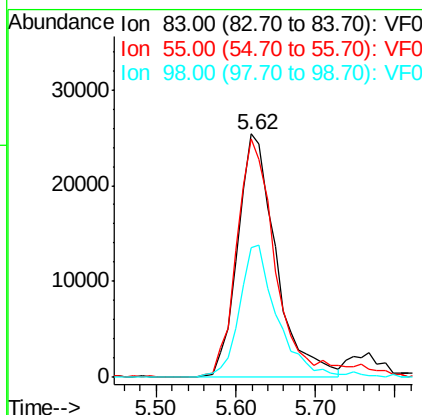
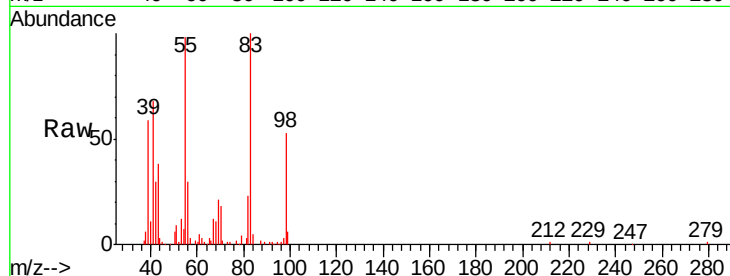
#39
Methylcyclohexane
Concen: 20.13 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	98.0	69.0	103.4
98	53.2	36.1	54.1

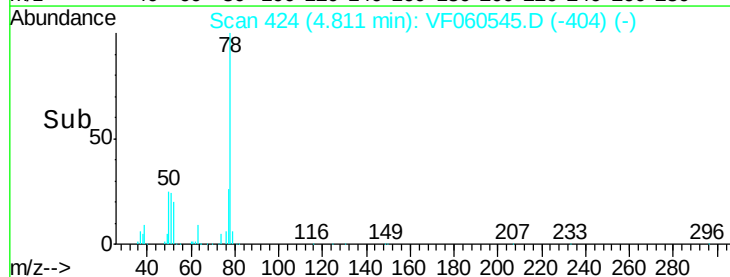
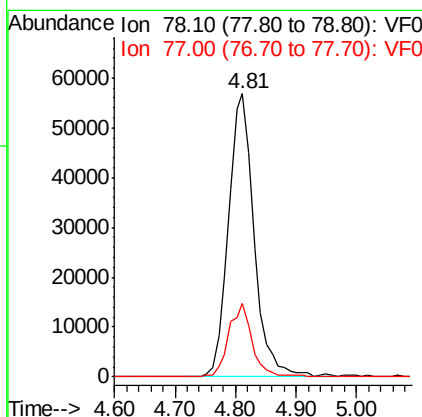
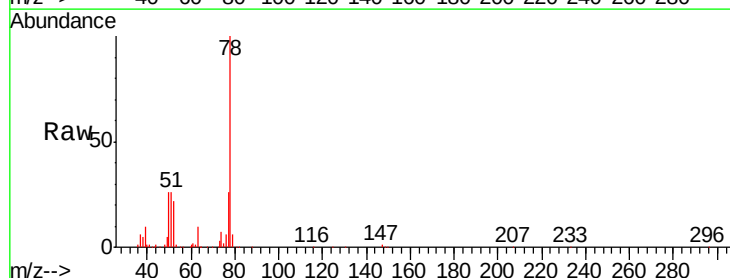
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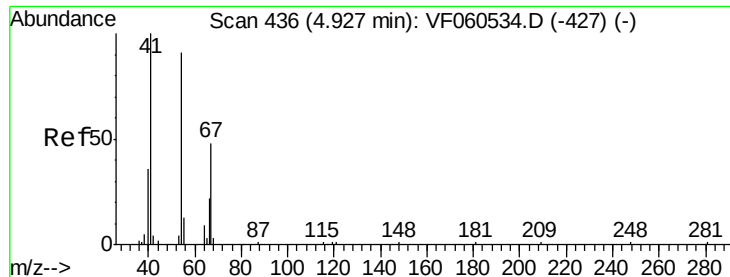
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#40
Benzene
Concen: 20.19 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.5	27.7





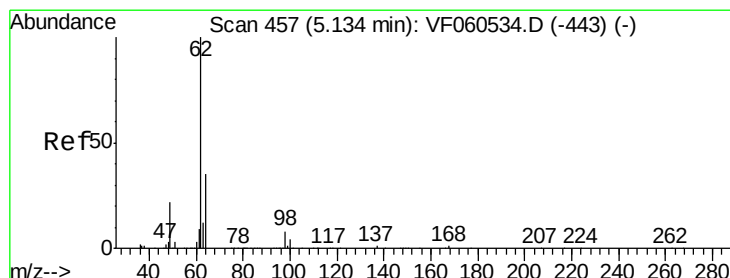
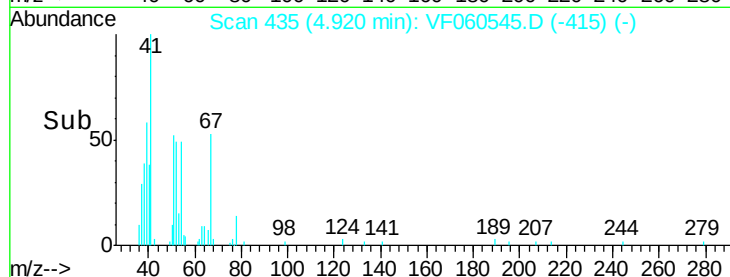
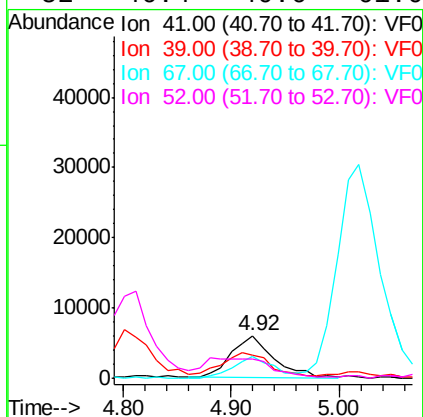
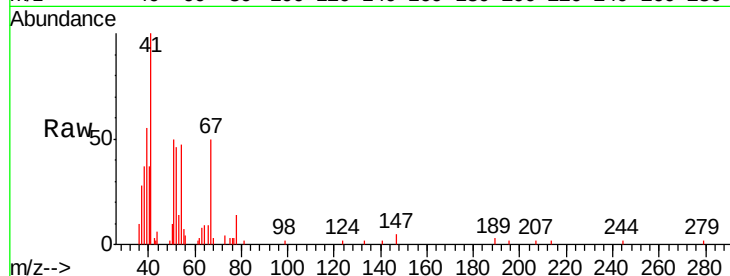
#41
Methacrylonitrile
Concen: 20.90 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.1	51.0	76.6
67	50.0	38.0	57.0
52	46.4	40.6	61.0

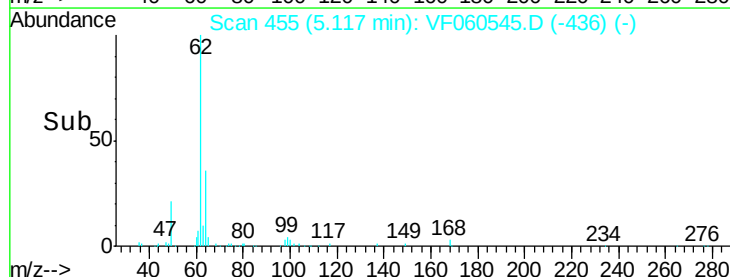
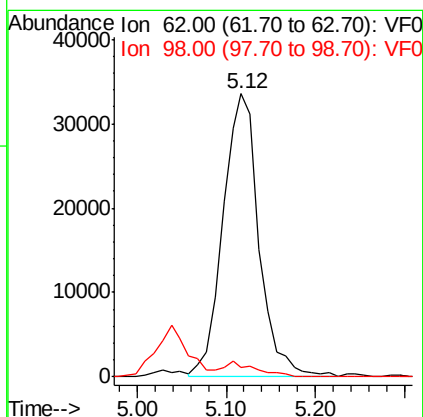
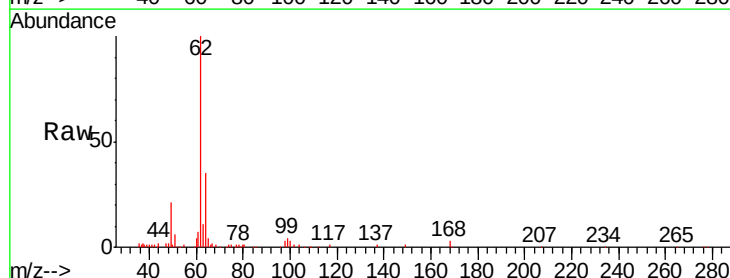
Manual Integrations
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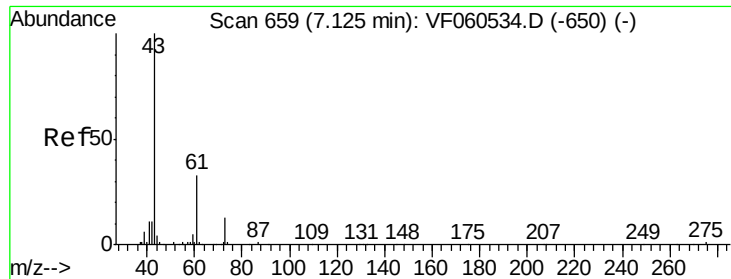
apatel
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#42
1,2-Dichloroethane
Concen: 24.67 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.2	0.0	15.8





#43

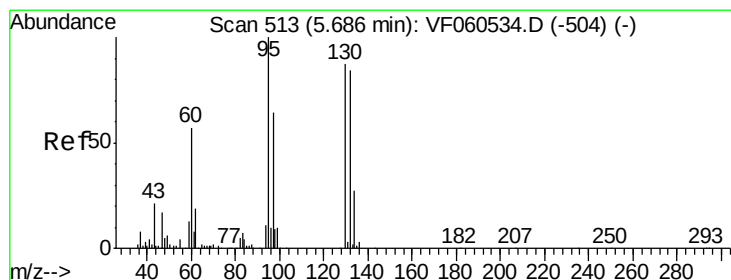
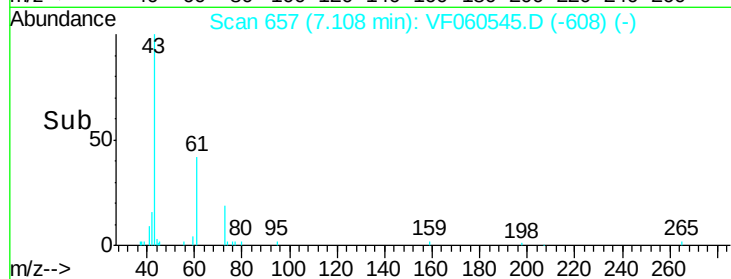
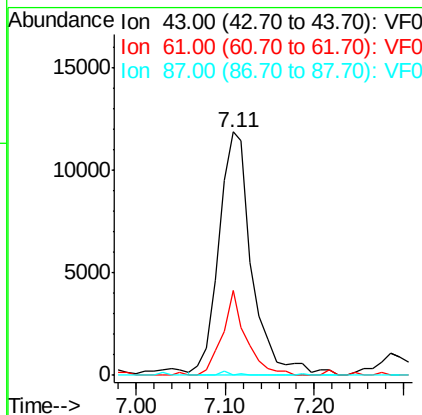
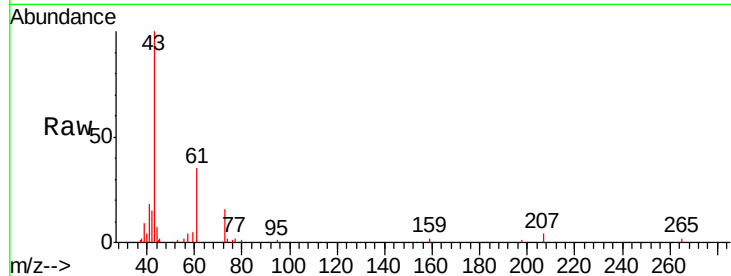
Isopropyl Acetate
 Concen: 18.93 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	34.7	26.6	40.0
87	0.0	0.6	1.0

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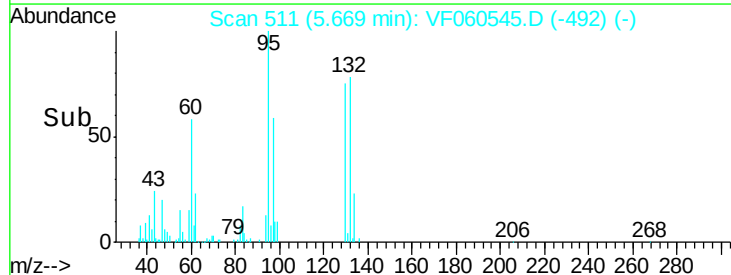
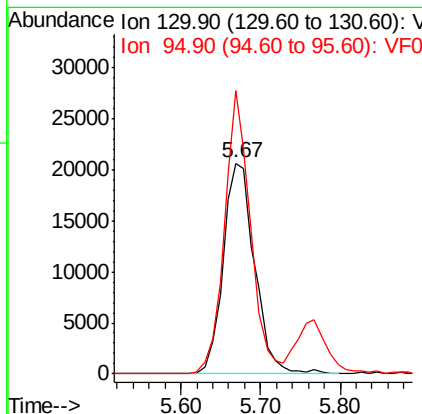
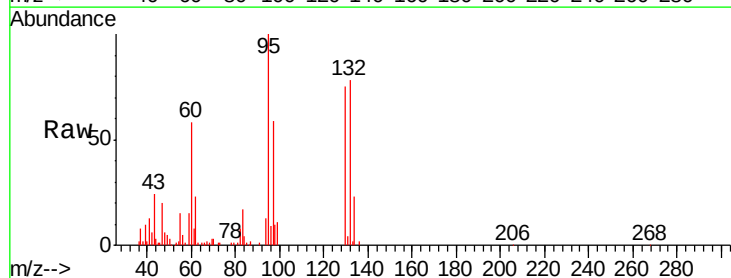
apatel
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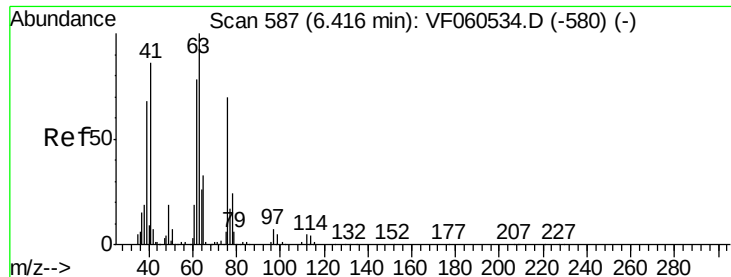


#44

Trichloroethene
 Concen: 21.27 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	134.1	0.0	229.4





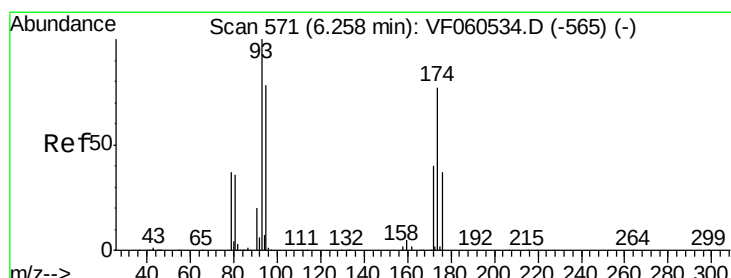
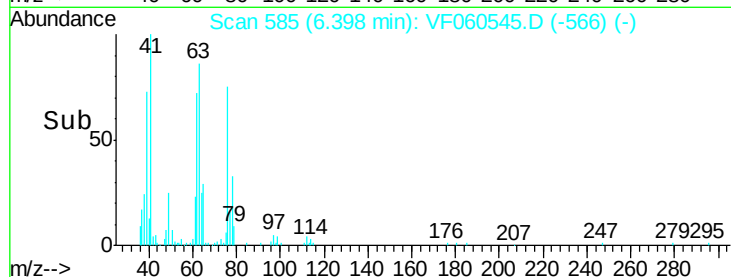
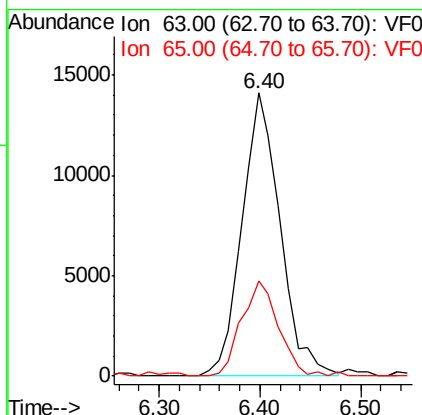
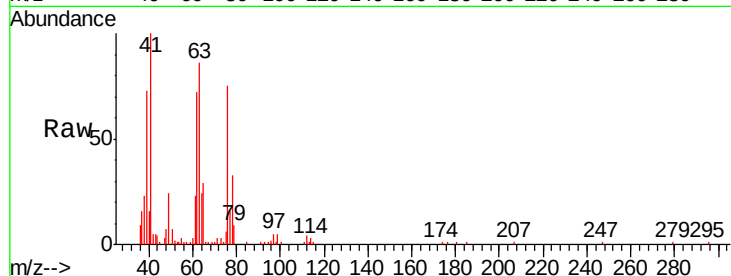
#45
1,2-Dichloropropane
Concen: 17.96 ug/l
RT: 6.40 min Scan# 585
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.8	26.5	39.7

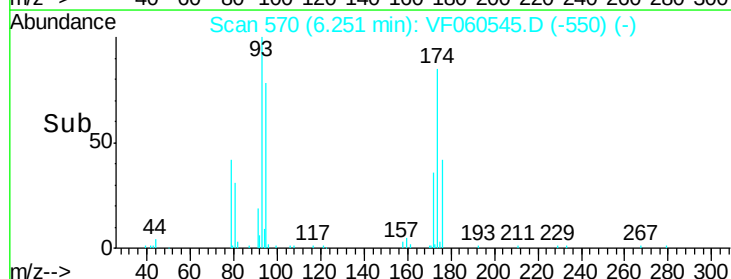
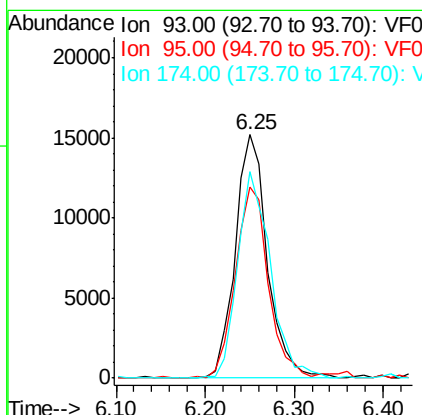
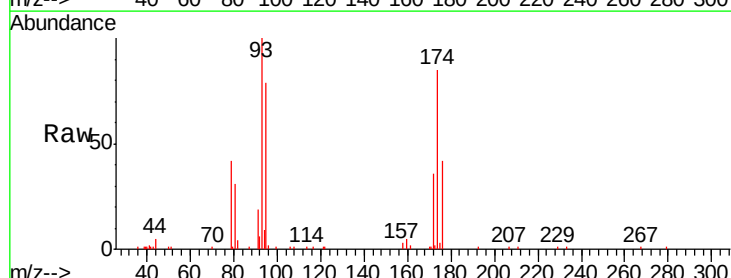
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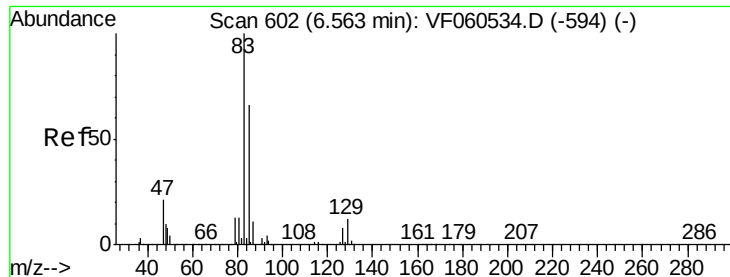
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#46
Dibromomethane
Concen: 23.50 ug/l
RT: 6.25 min Scan# 570
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.6	64.3	96.5
174	84.8	63.3	94.9





#47

Bromodichloromethane

Concen: 23.53 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

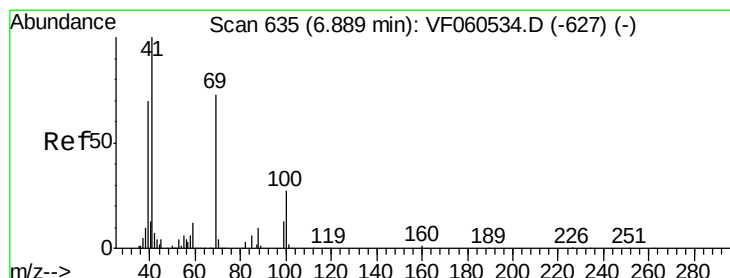
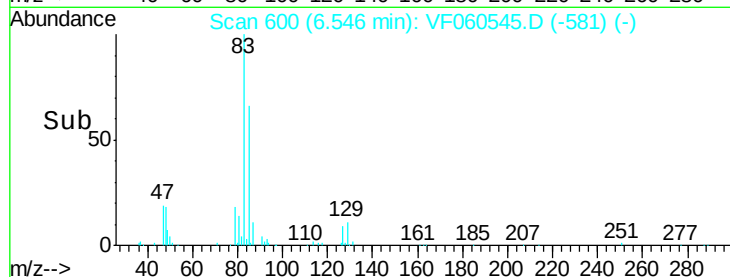
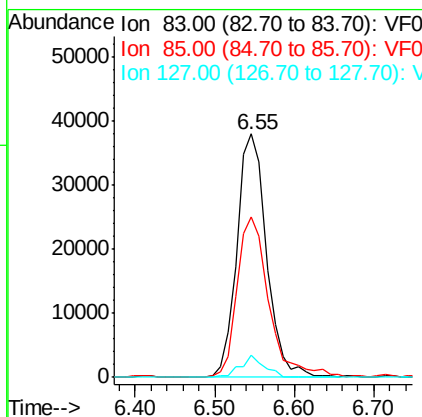
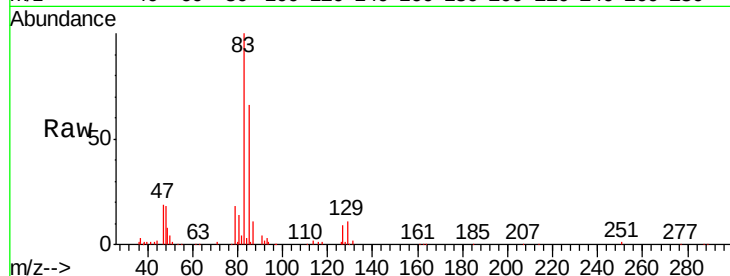
ClientSampleId :

VF1030SBS01

Tgt Ion:	83	Resp:	97980
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1
127	8.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.82 ug/l

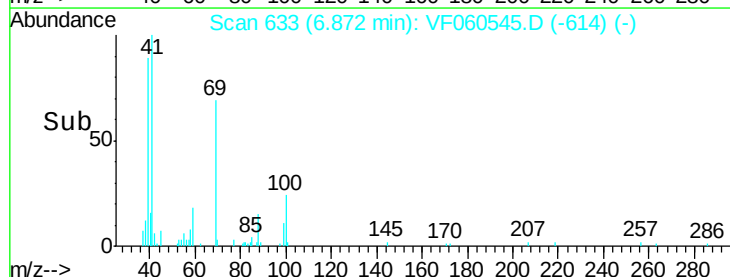
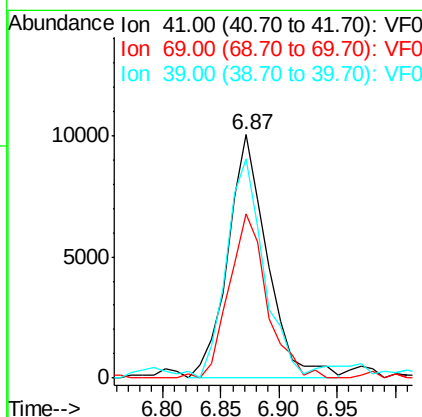
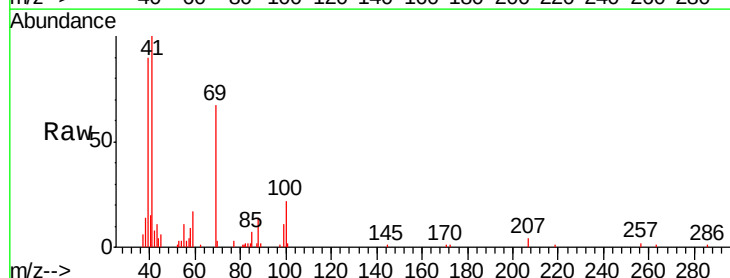
RT: 6.87 min Scan# 633

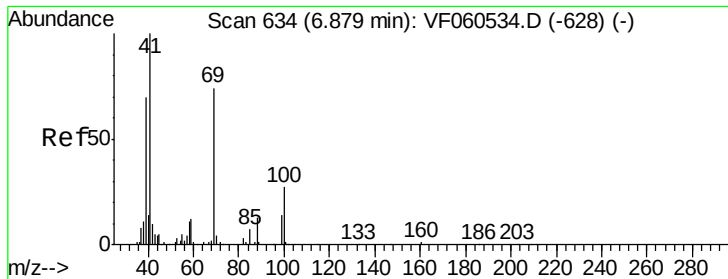
Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	41	Resp:	23496
Ion	Ratio	Lower	Upper
41	100		
69	67.5	58.4	87.6
39	90.0	56.4	84.6#





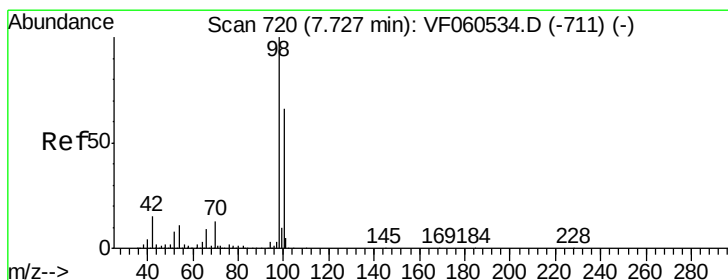
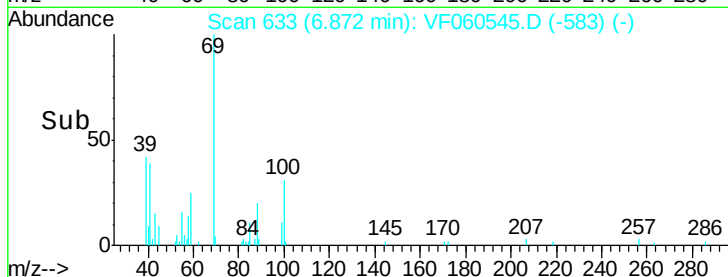
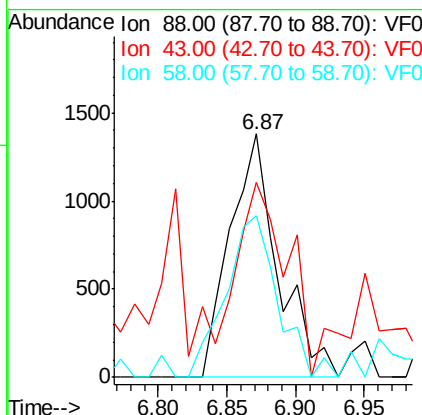
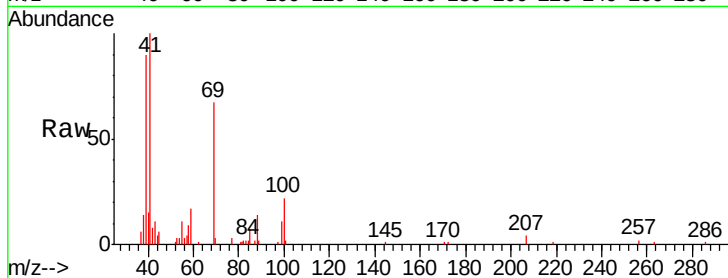
#49
1,4-Dioxane
Concen: 319.98 ug/l
RT: 6.87 min Scan# 633
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	79.9	49.7	74.5#
58	66.6	67.7	101.5#

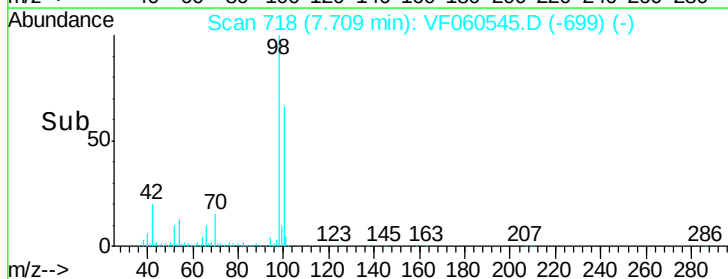
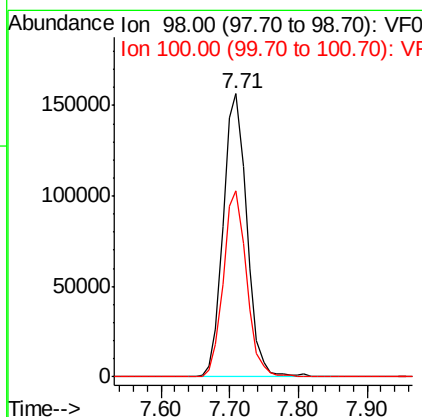
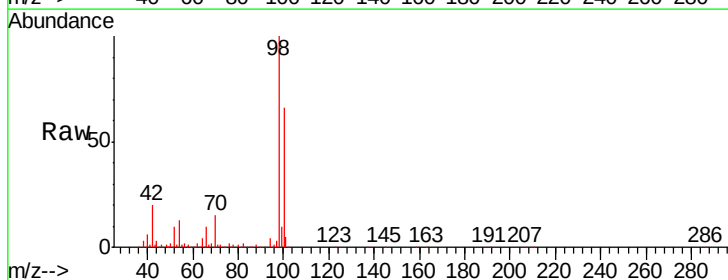
Manual Integrations
APPROVED

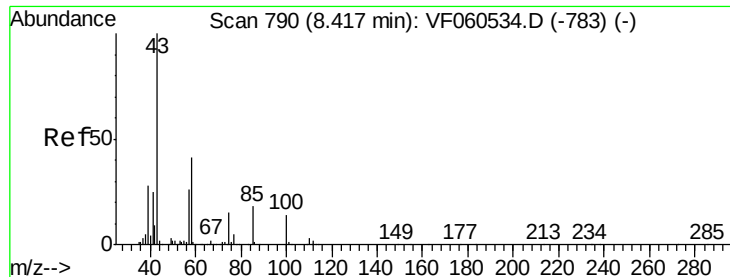
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#50
Toluene-d8
Concen: 47.60 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 112.69 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 43 Resp: 133545

Ion Ratio Lower Upper

43 100

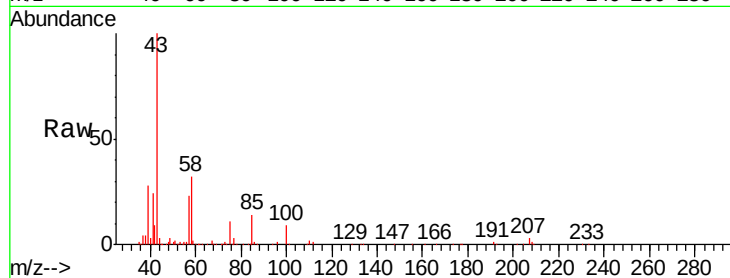
58 32.5 32.6 49.0#

Manual Integrations

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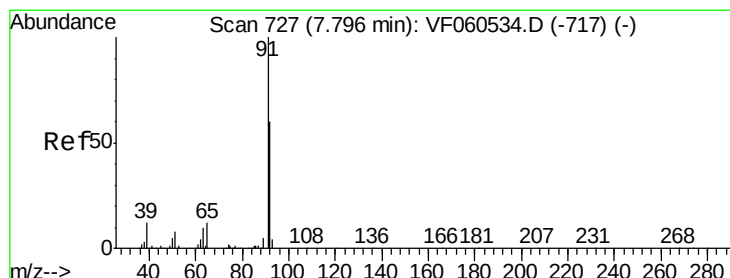
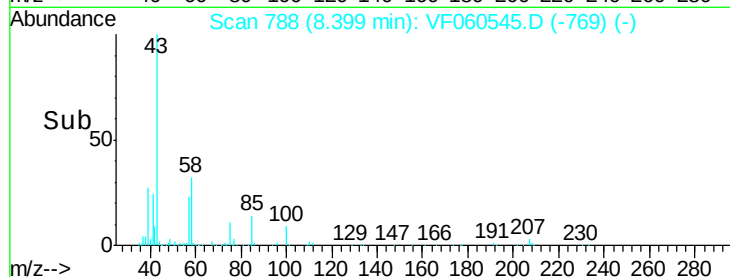
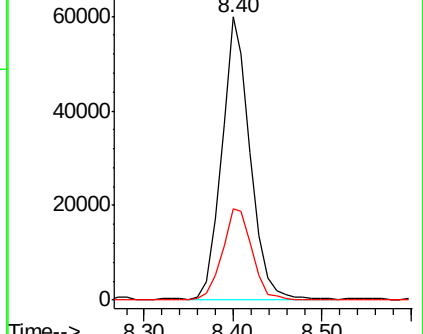
apatel

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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: 19.28 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060545.D

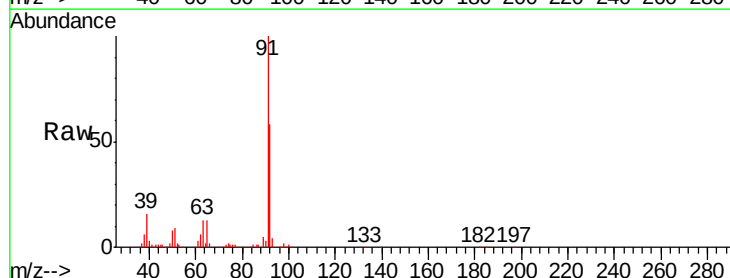
Acq: 30 Oct 2018 15:22

Tgt Ion: 92 Resp: 103654

Ion Ratio Lower Upper

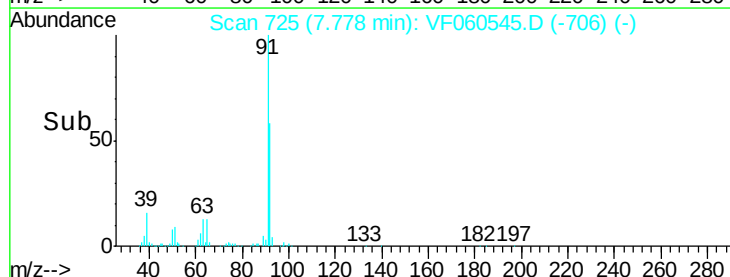
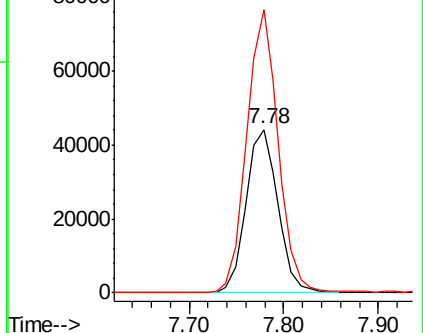
92 100

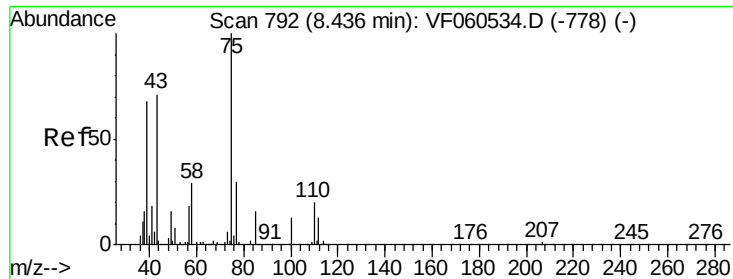
91 173.5 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





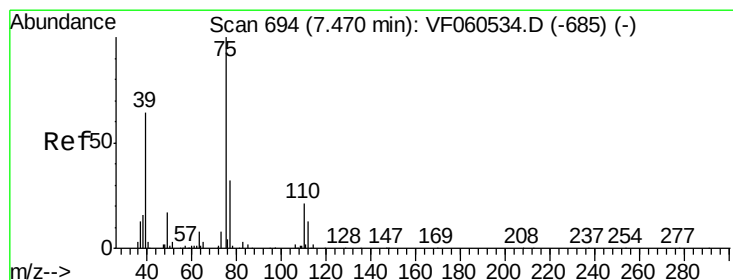
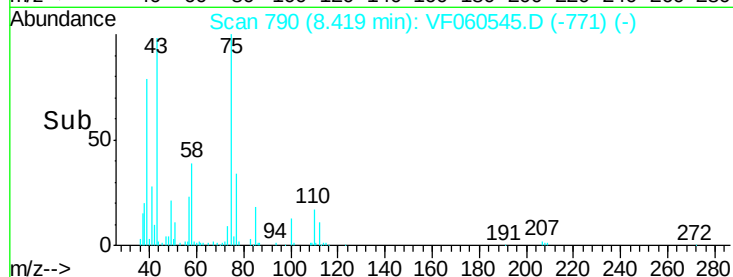
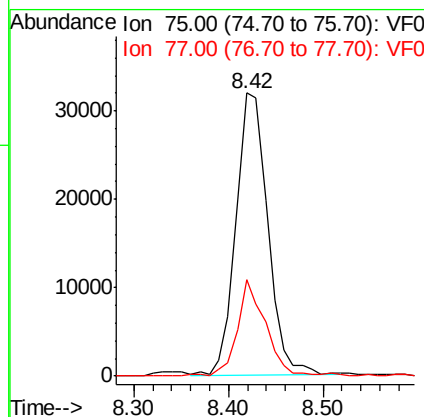
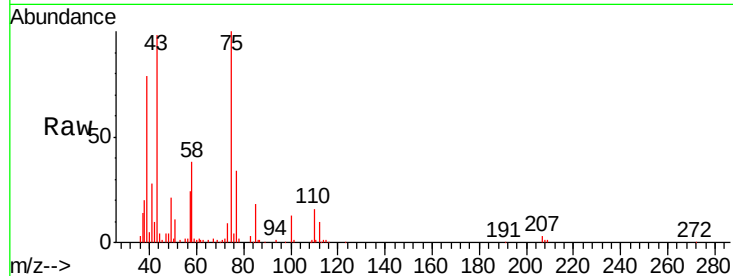
#53
t-1,3-Dichloropropene
Concen: 22.87 ug/l
RT: 8.42 min Scan# 790
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 75 Resp: 74399
Ion Ratio Lower Upper
75 100
77 34.0 24.2 36.4

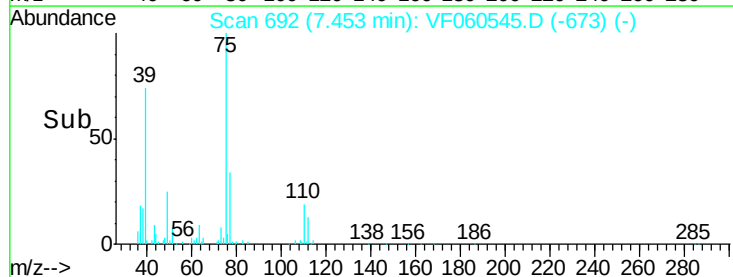
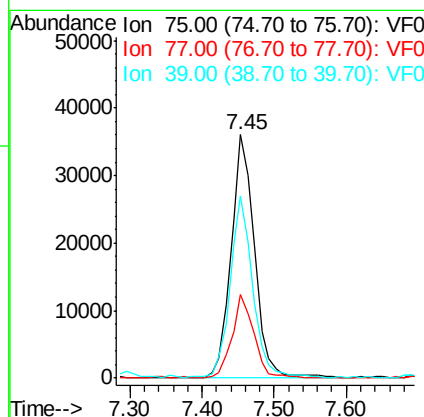
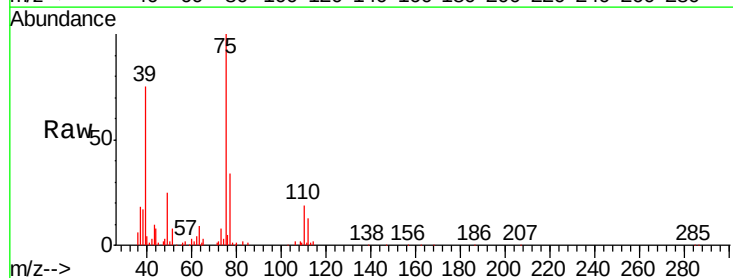
Manual Integrations
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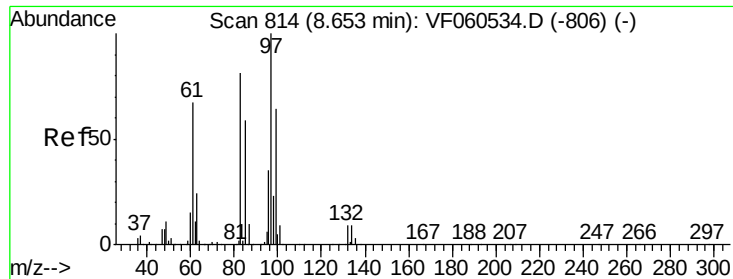
apatel
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#54
cis-1,3-Dichloropropene
Concen: 21.19 ug/l
RT: 7.45 min Scan# 692
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 75 Resp: 81672
Ion Ratio Lower Upper
75 100
77 34.2 25.7 38.5
39 75.0 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 18.78 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

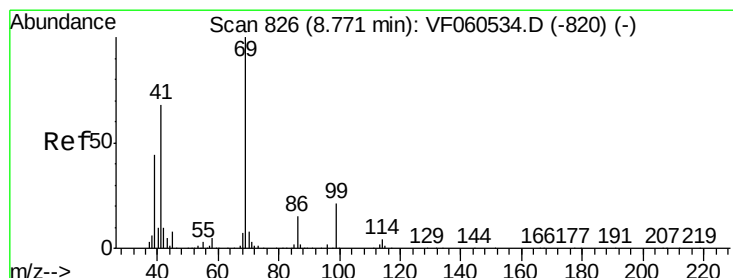
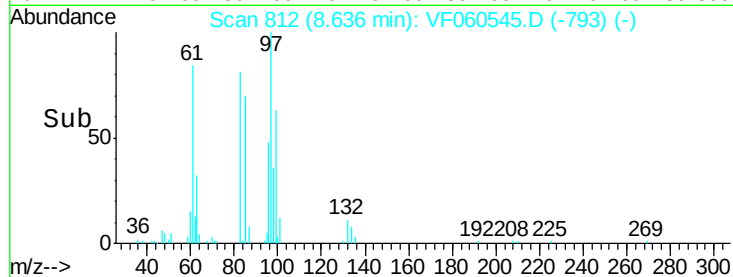
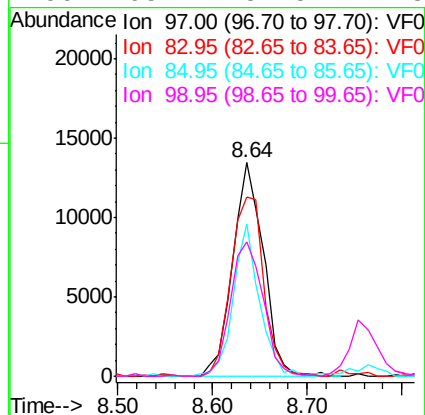
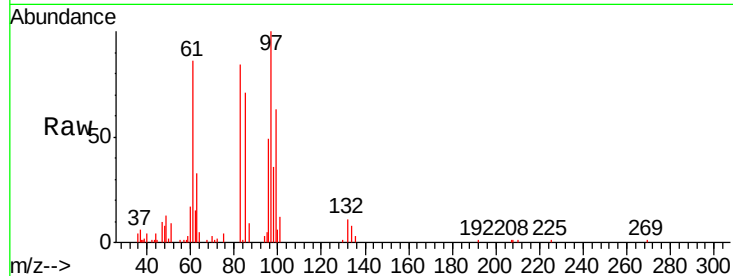
ClientSampleId :

VF1030SBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30243		
83	83.7	65.3	97.9		
85	71.3	47.6	71.4		
99	63.2	51.5	77.3		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.30 ug/l

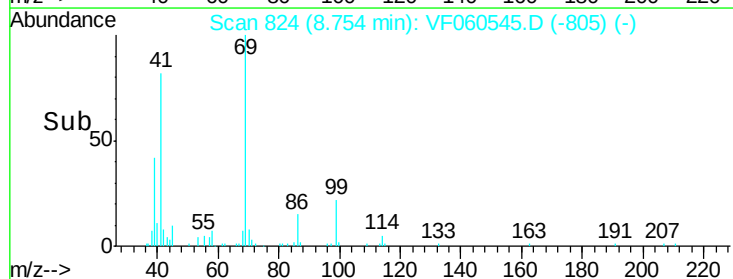
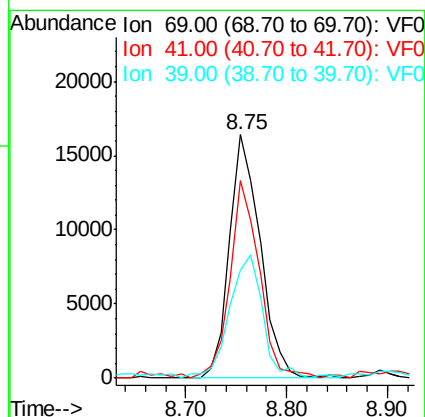
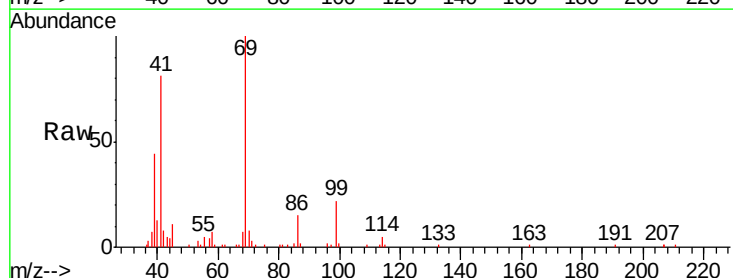
RT: 8.75 min Scan# 824

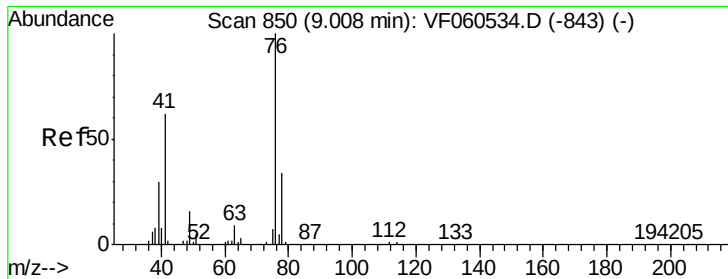
Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34875		
41	81.3	55.0	82.6		
39	44.2	35.1	52.7		





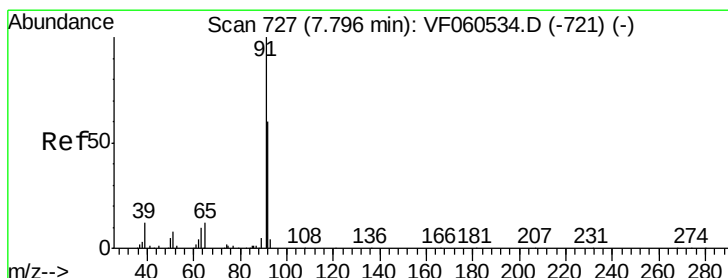
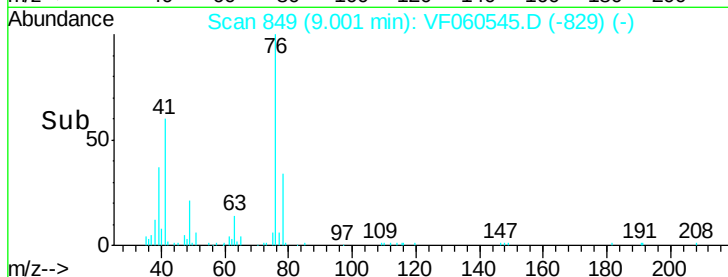
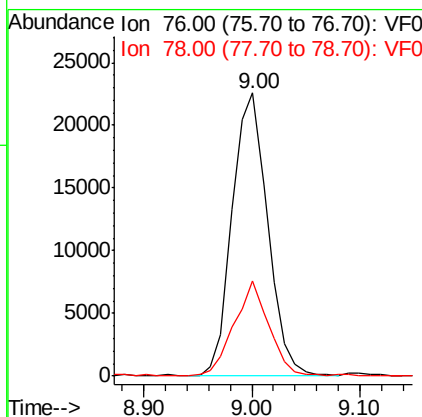
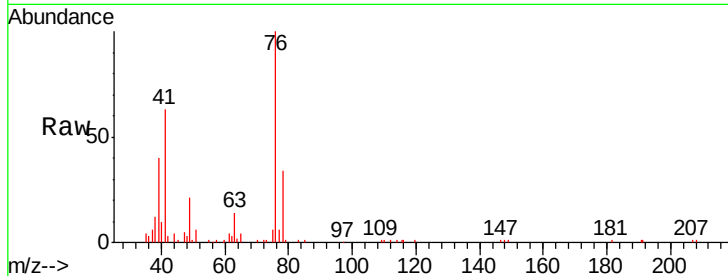
#57
 1,3-Dichloropropane
 Concen: 18.95 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.7	27.3	40.9

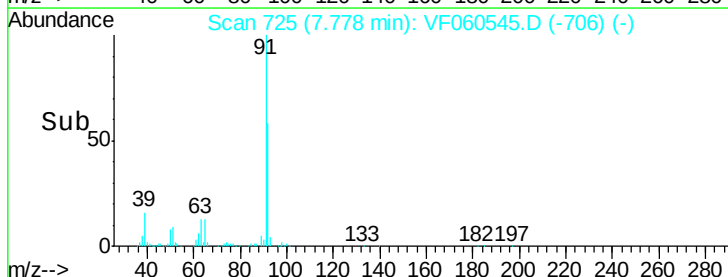
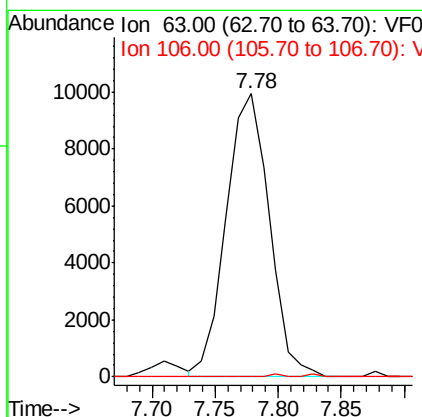
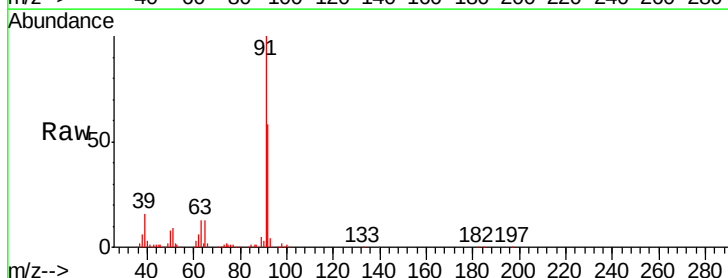
Manual Integrations
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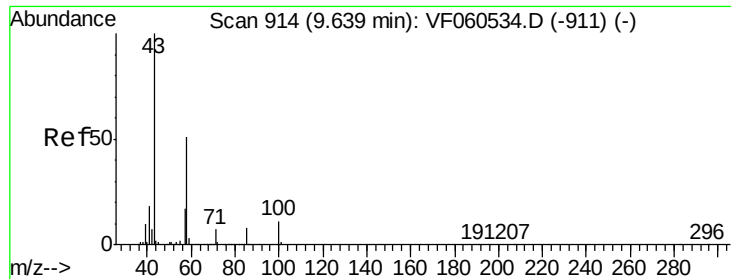
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 126.58 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





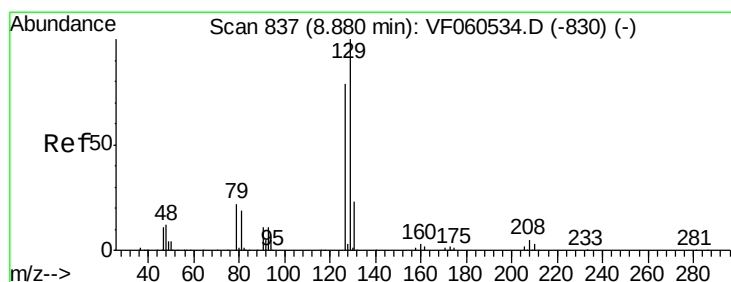
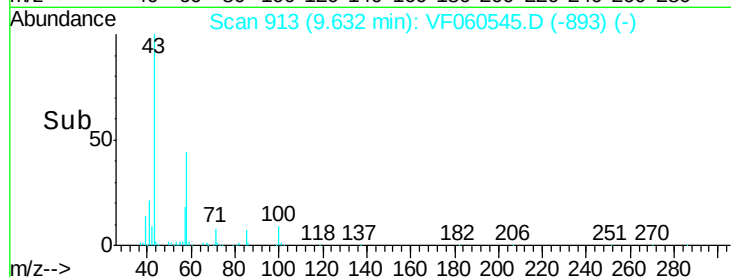
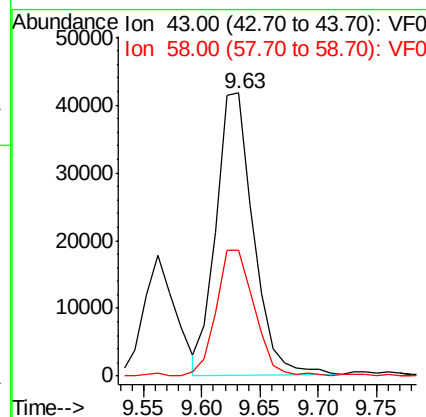
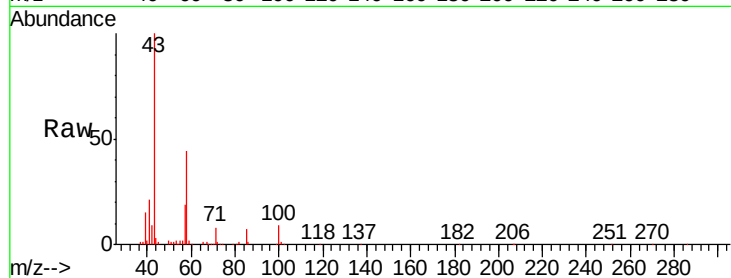
#59
2-Hexanone
Concen: 101.94 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion: 43 Resp: 92648
Ion Ratio Lower Upper
43 100
58 44.3 24.1 72.3

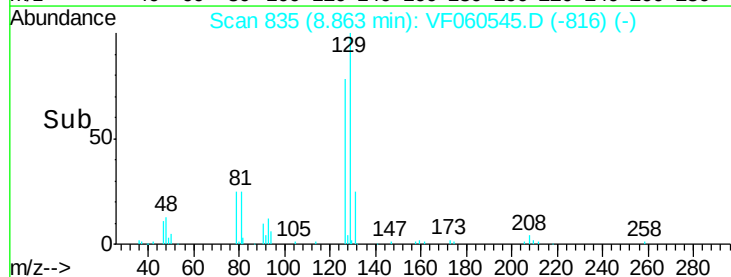
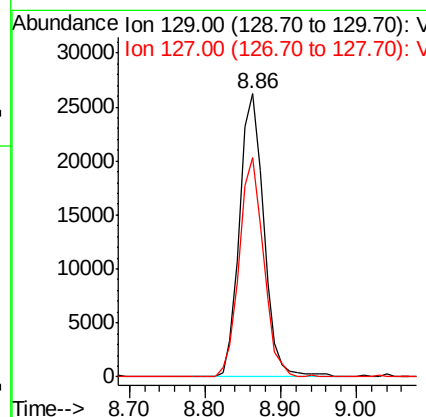
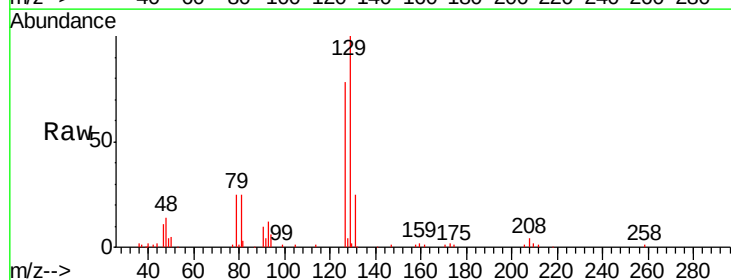
Manual Integrations
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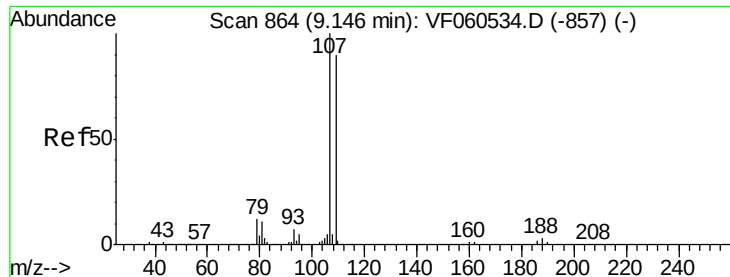
apatel
10/31/2018 10:29:11 AM



#60
Dibromochloromethane
Concen: 22.35 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 129 Resp: 57980
Ion Ratio Lower Upper
129 100
127 75.9 39.6 119.0





#61

1,2-Dibromoethane

Concen: 18.83 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion:107 Resp: 35107

Ion Ratio Lower Upper

107 100

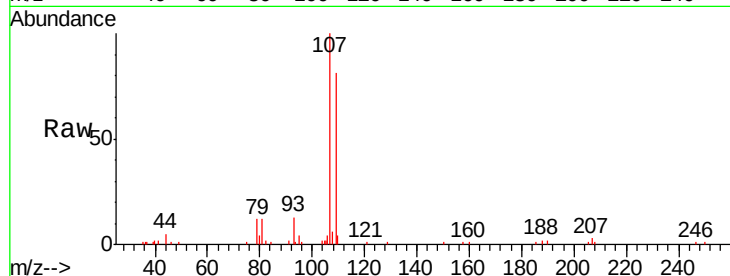
109 81.2 72.2 108.2

Manual Integrations

APPROVED

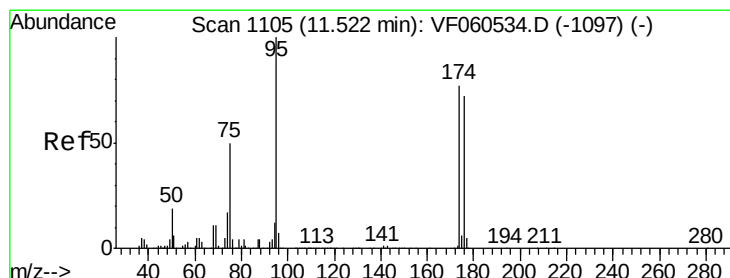
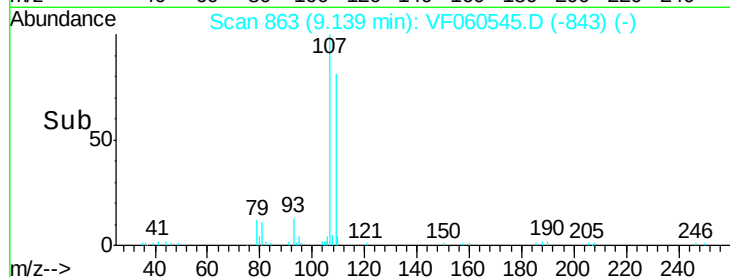
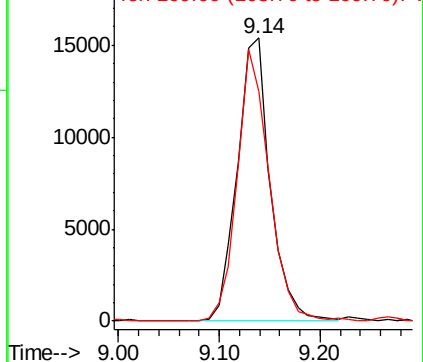
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.87 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

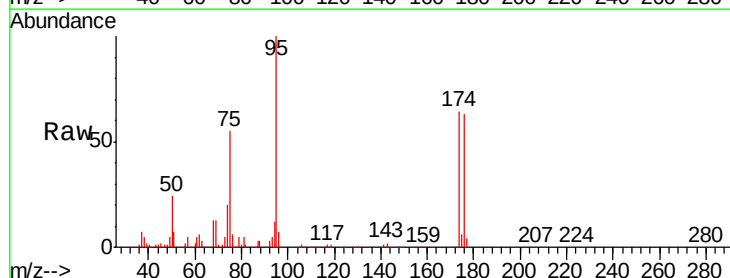
Tgt Ion: 95 Resp: 165980

Ion Ratio Lower Upper

95 100

174 63.9 0.0 153.8

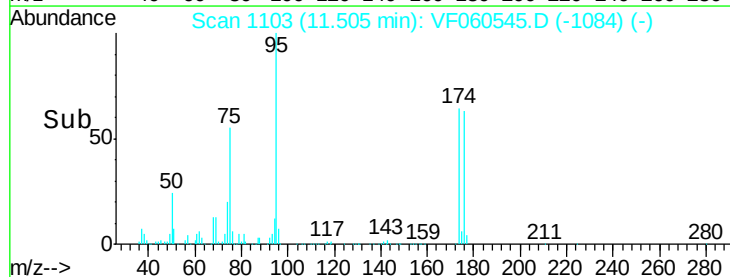
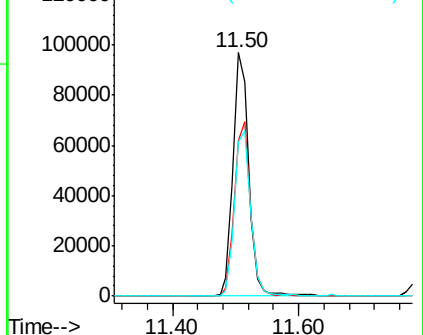
176 63.1 0.0 143.6

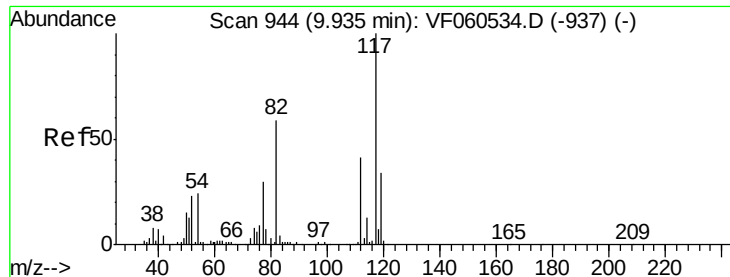


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





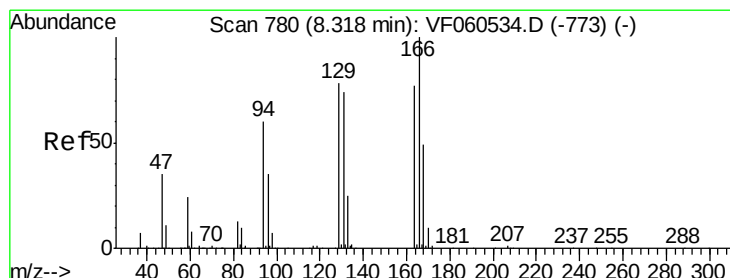
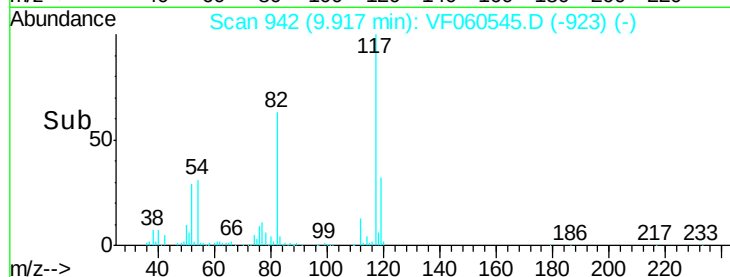
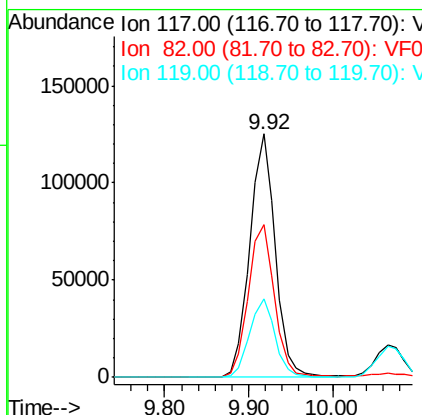
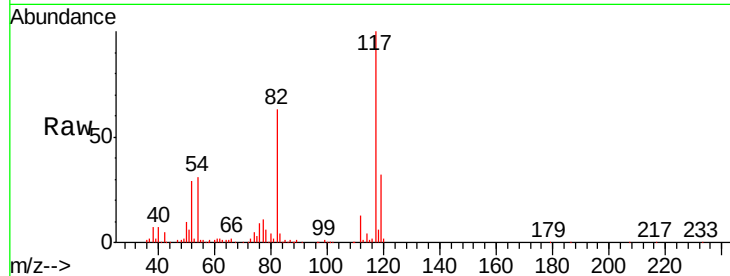
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266905		
82	62.9		47.6	71.4
119	32.2		27.3	40.9

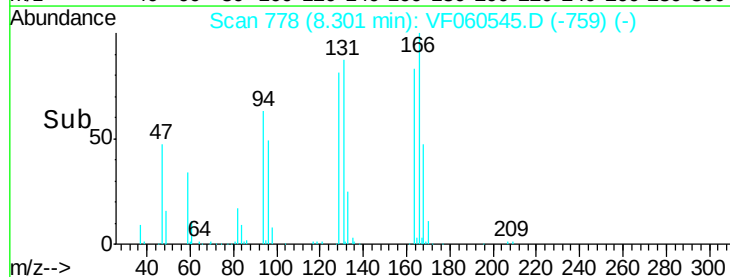
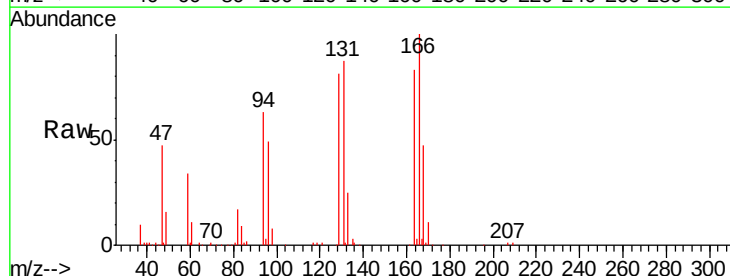
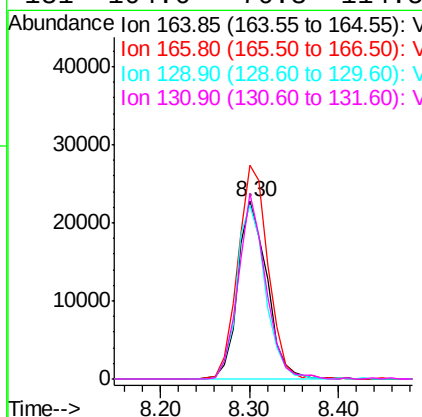
Manual Integrations
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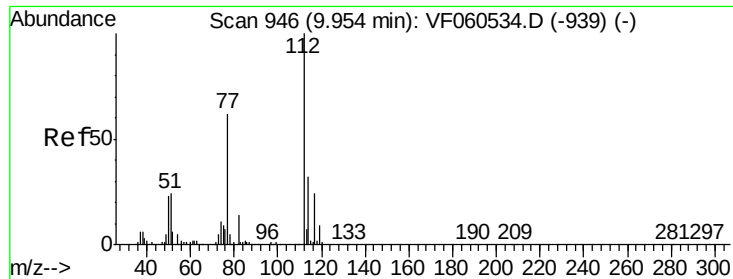
apatel
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#64
Tetrachloroethene
Concen: 23.02 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51935		
166	120.2		103.4	155.2
129	97.9		80.7	121.1
131	104.6		76.3	114.5





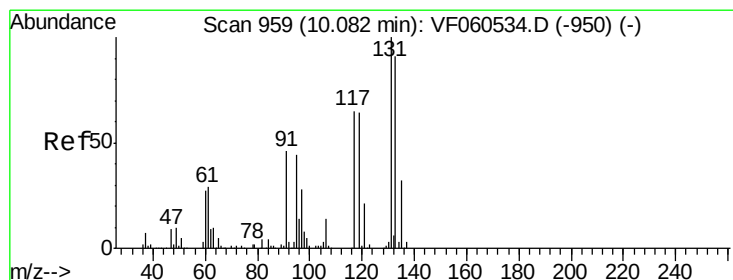
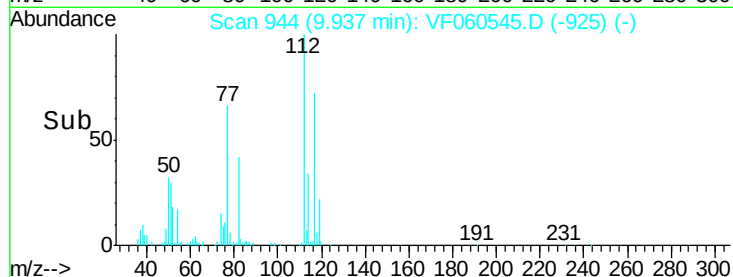
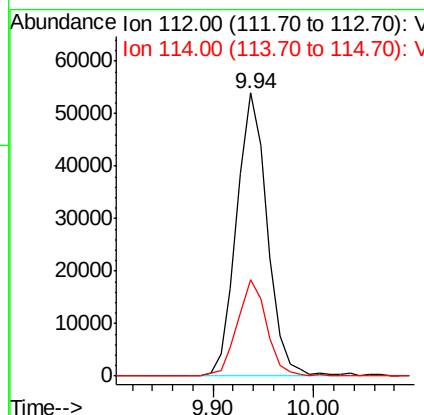
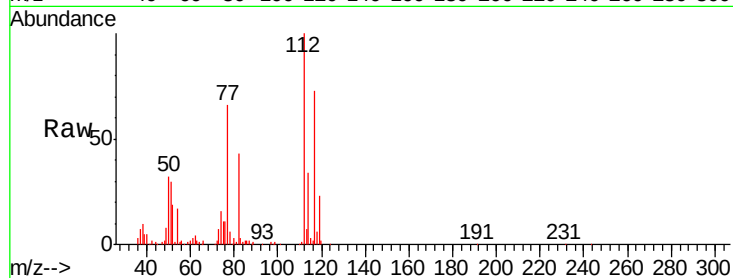
#65
Chlorobenzene
Concen: 21.34 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	114582		
114	34.2	25.5	38.3	

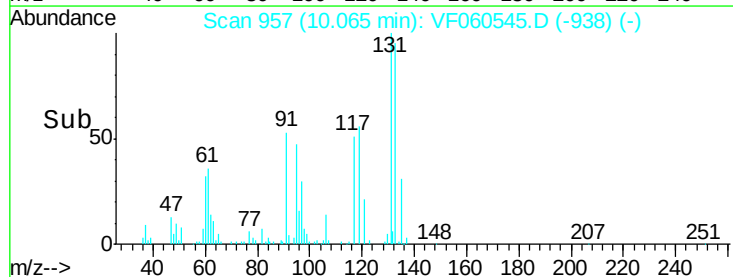
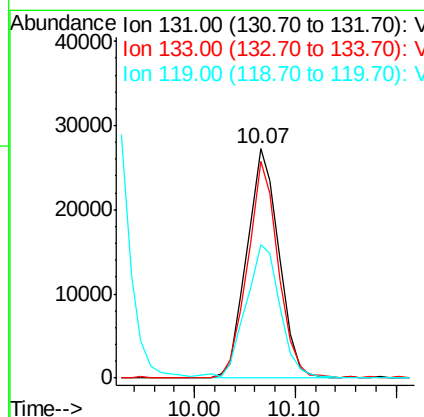
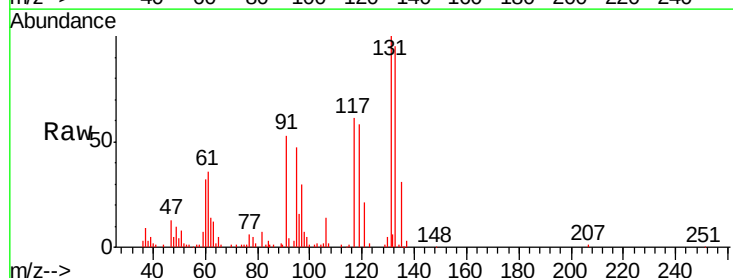
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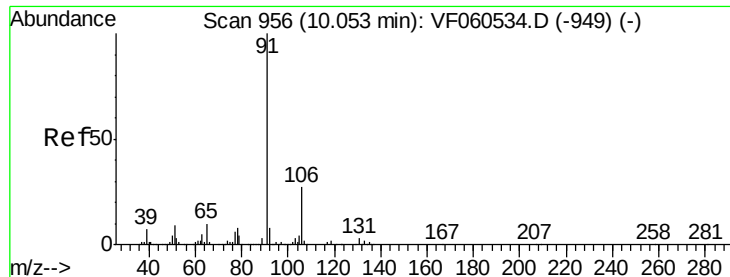
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.69 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	60418		
133	94.8	45.8	137.3	
119	58.0	32.4	97.0	





#67

Ethyl Benzene

Concen: 23.27 ug/l

RT: 10.04 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tgt Ion: 91 Resp: 238751

Ion Ratio Lower Upper

91 100

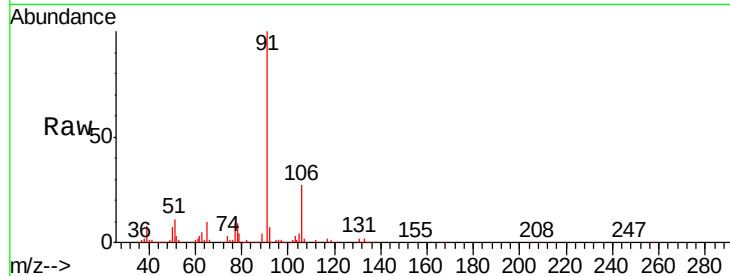
106 26.6 21.9 32.9

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

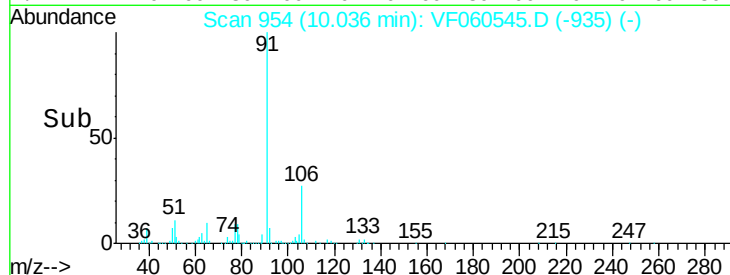
150000

100000

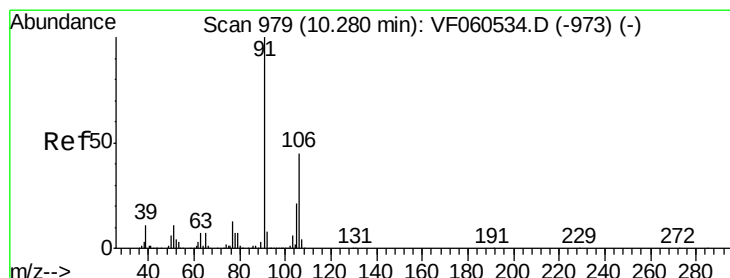
50000

0

Time-->



Time-->



#68

m/p-Xylenes

Concen: 41.97 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.02 min

Lab File: VF060545.D

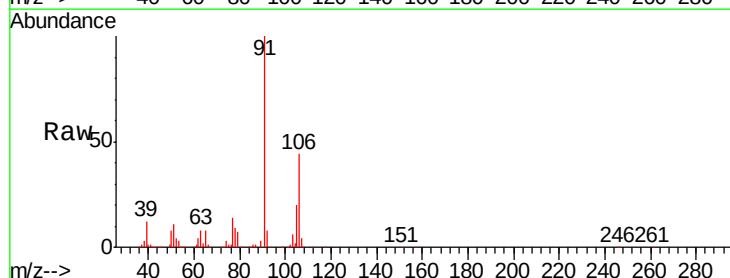
Acq: 30 Oct 2018 15:22

Tgt Ion: 106 Resp: 147057

Ion Ratio Lower Upper

106 100

91 229.0 176.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

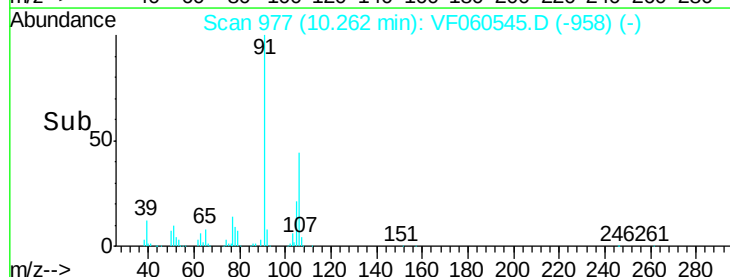
150000

100000

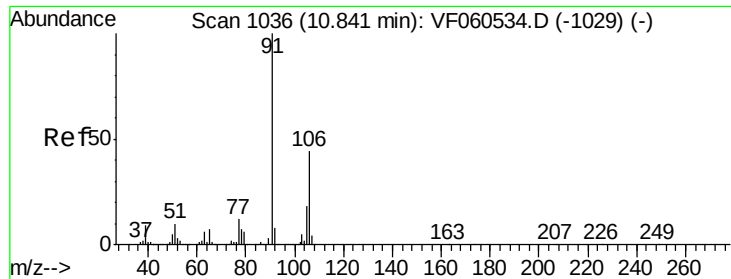
50000

0

Time-->



Time-->



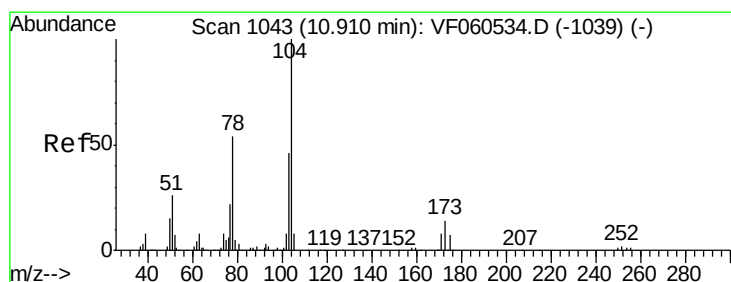
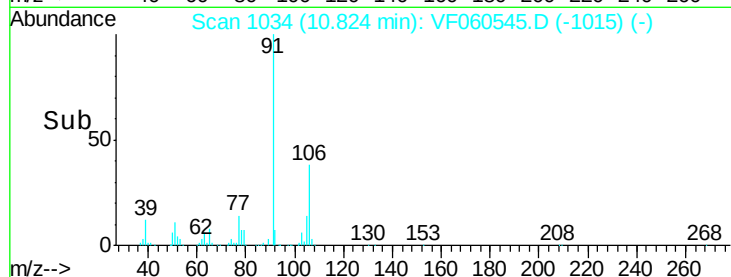
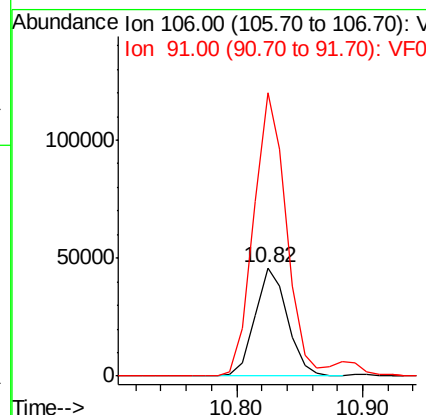
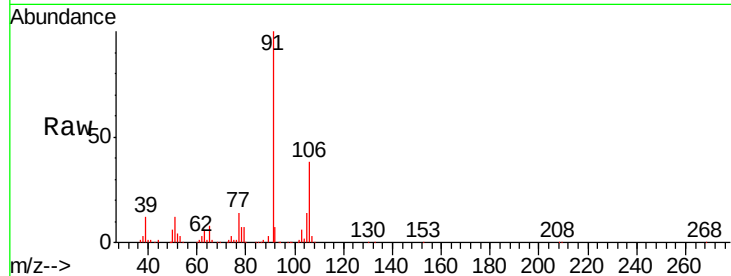
#69
o-Xylene
Concen: 20.94 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion:106 Resp: 82627
Ion Ratio Lower Upper
106 100
91 260.8 112.9 338.8

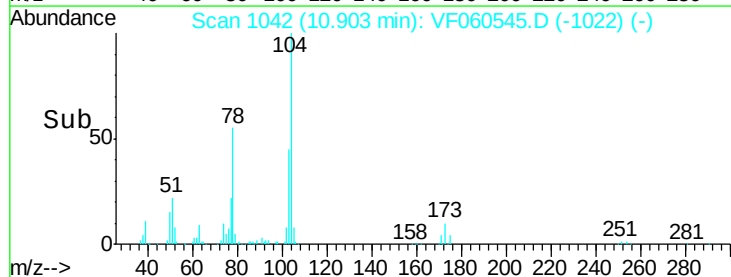
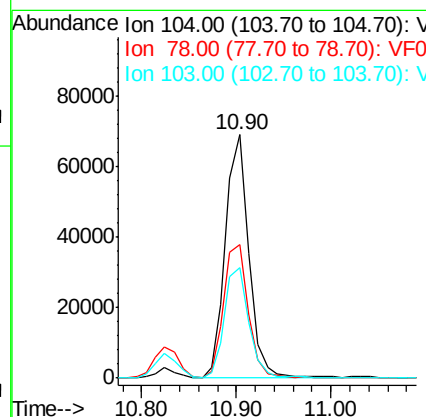
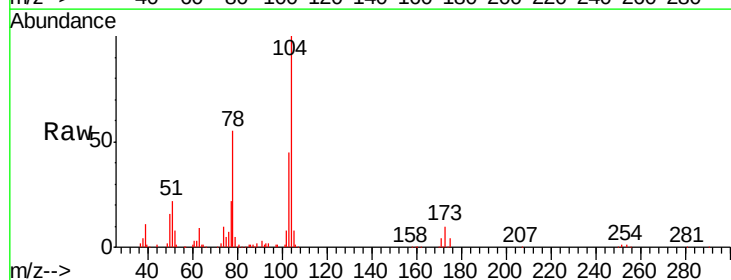
Manual Integrations
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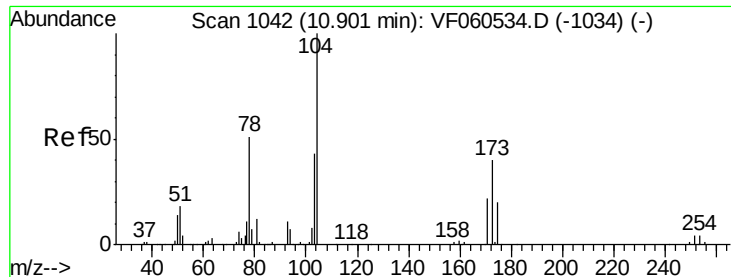
apatel
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#70
Styrene
Concen: 21.35 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion:104 Resp: 118800
Ion Ratio Lower Upper
104 100
78 54.8 43.4 65.2
103 45.2 36.9 55.3





#71

Bromoform

Concen: 24.25 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

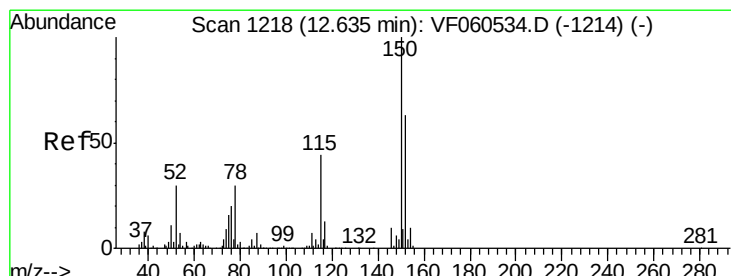
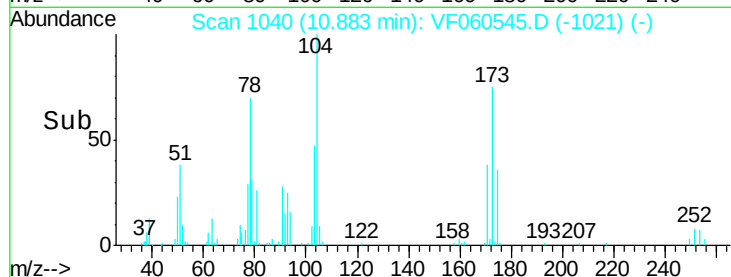
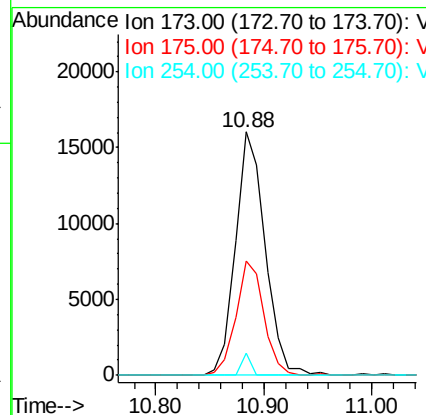
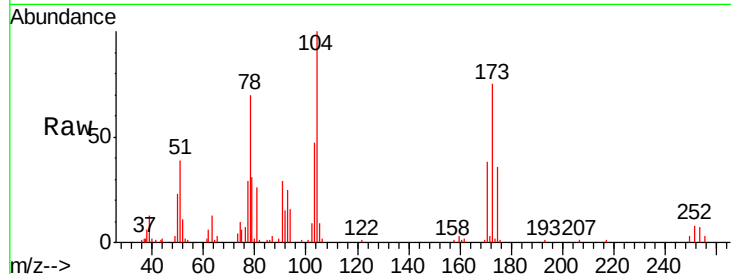
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.7	25.7	77.0
254	9.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

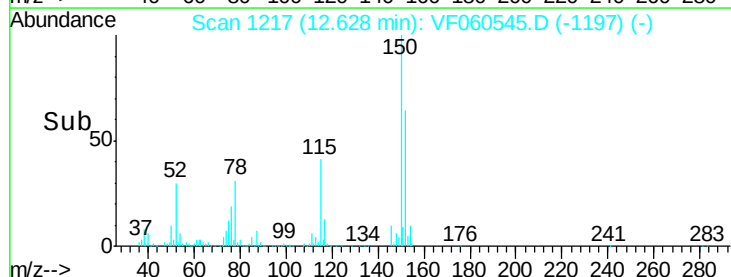
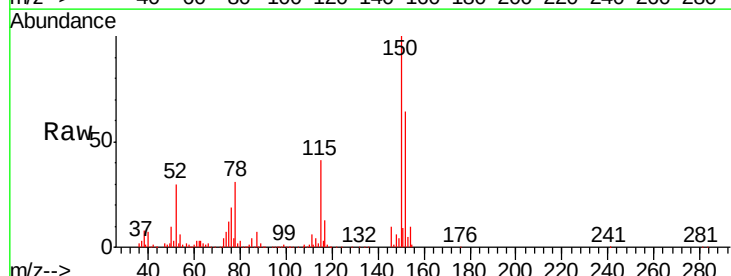
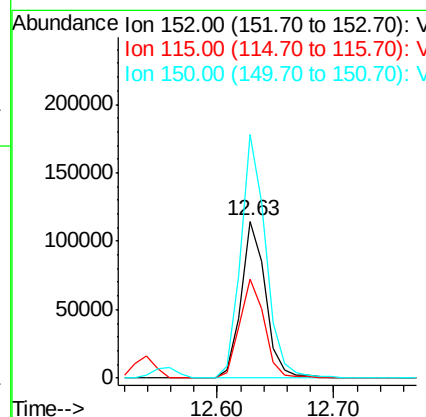
RT: 12.63 min Scan# 1217

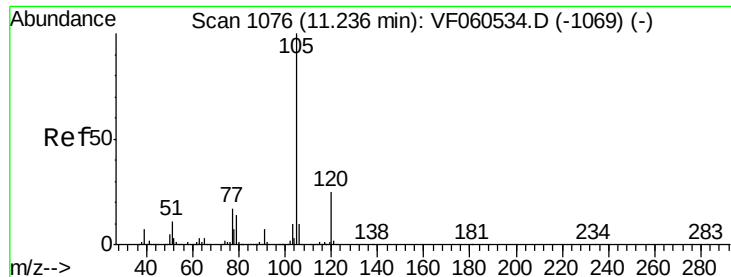
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	34.7	104.1
150	155.2	0.0	318.4





#73

Isopropylbenzene

Concen: 21.78 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

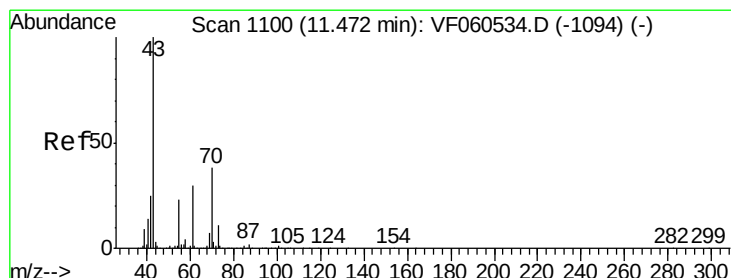
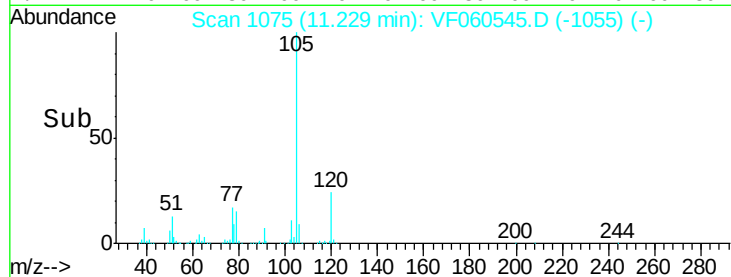
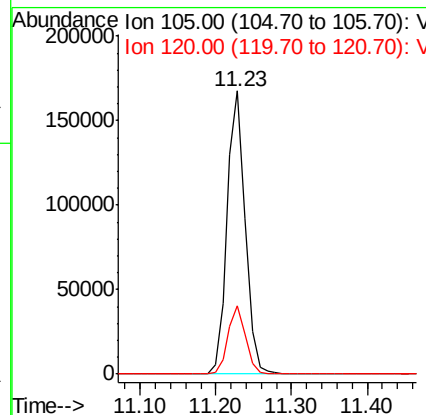
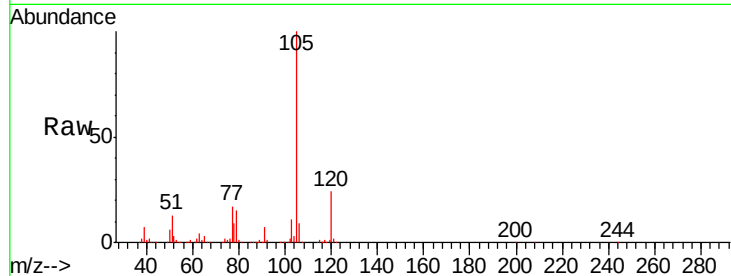
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279017		
120	24.2	12.3	36.8	

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#74

N-ethyl acetate

Concen: 17.39 ug/l

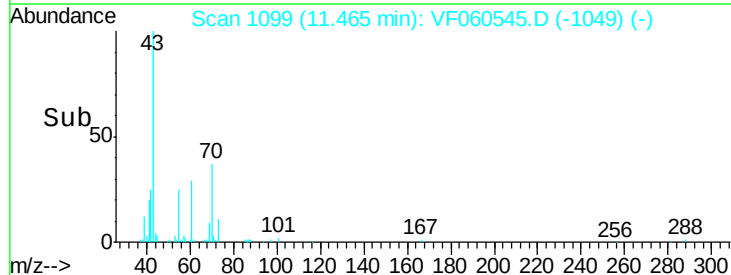
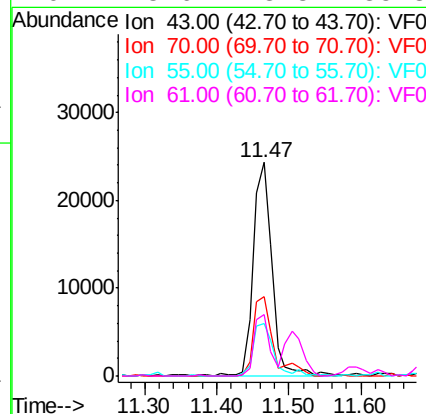
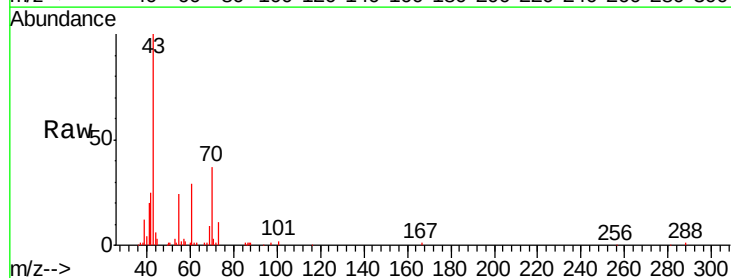
RT: 11.47 min Scan# 1099

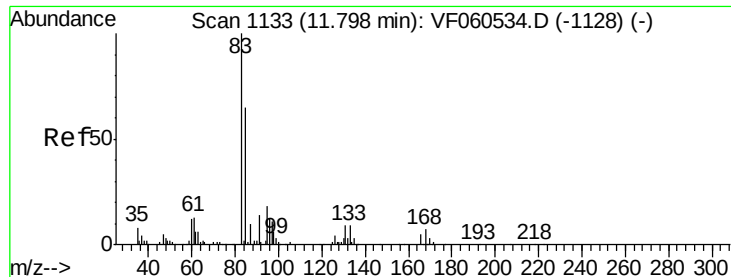
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44606		
70	37.0	30.8	46.2	
55	24.4	18.2	27.4	
61	28.6	23.8	35.8	





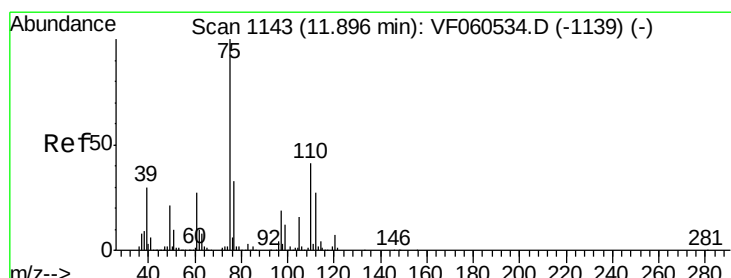
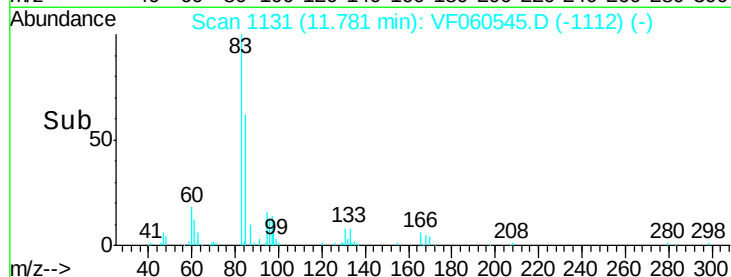
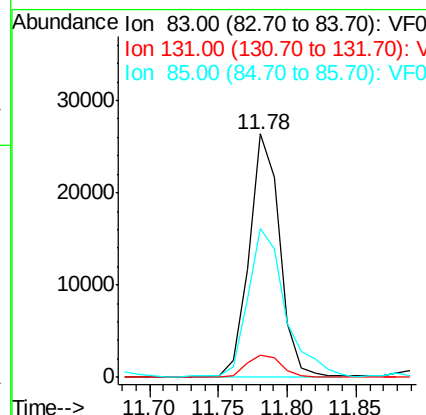
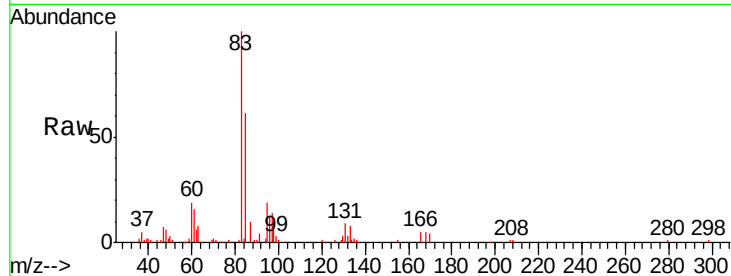
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.19 ug/l
 RT: 11.78 min Scan# 1131
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	61.0	32.4	97.0

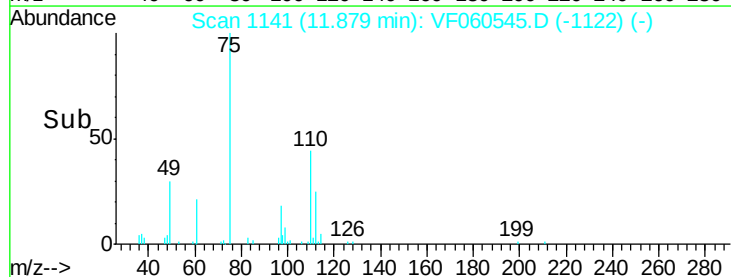
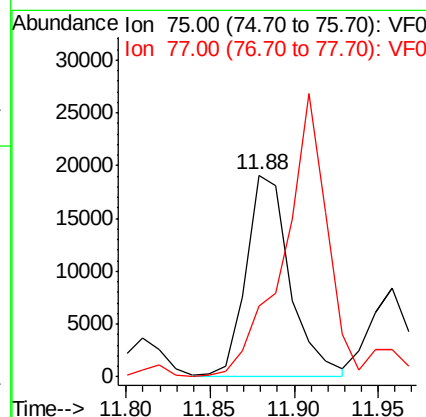
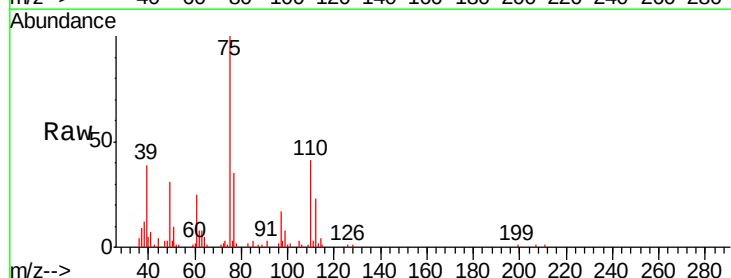
Manual Integrations
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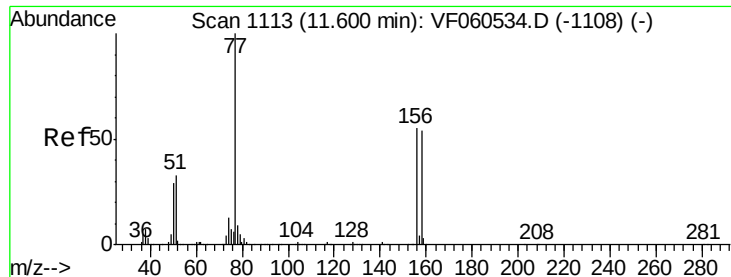
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#76
 1,2,3-Trichloropropane
 Concen: 21.61 ug/l
 RT: 11.88 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.4	16.7	50.1





#77

Bromobenzene

Concen: 20.29 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

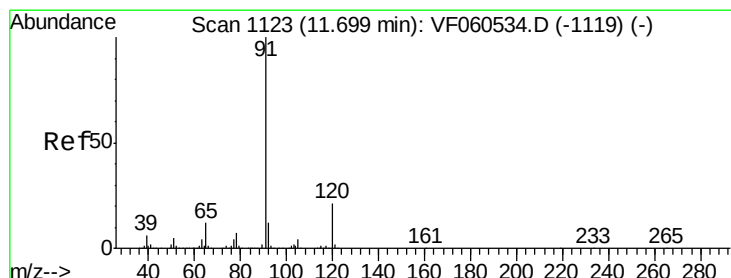
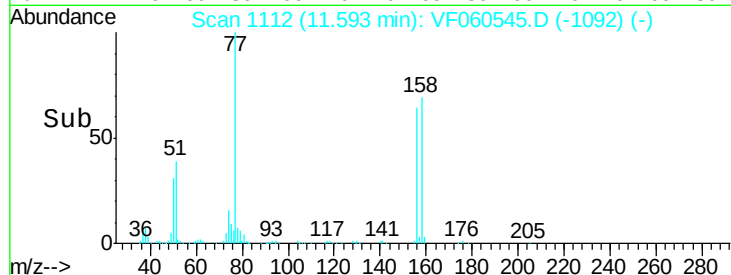
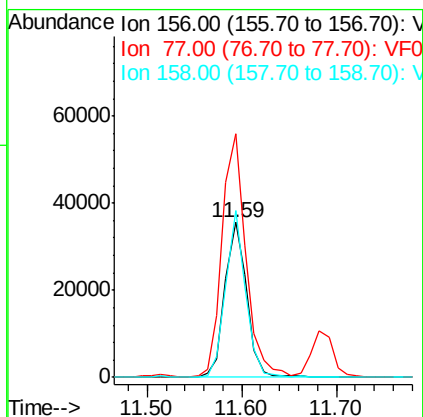
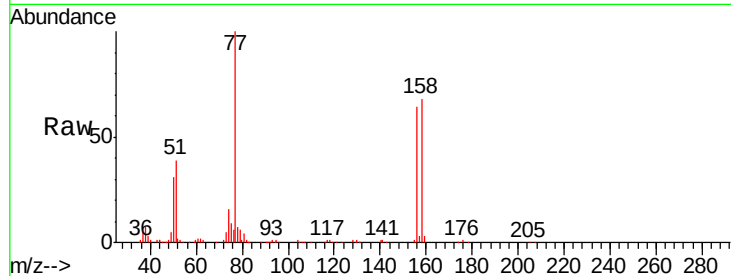
ClientSampleId :

VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	157.3	91.3	274.1
158	107.6	49.3	147.9

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#78

n-propylbenzene

Concen: 21.31 ug/l

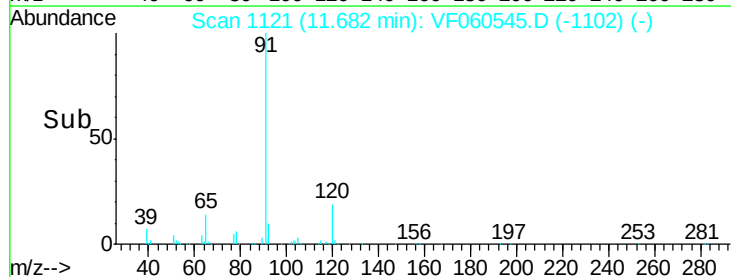
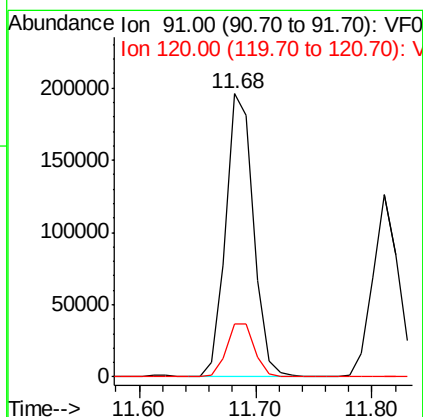
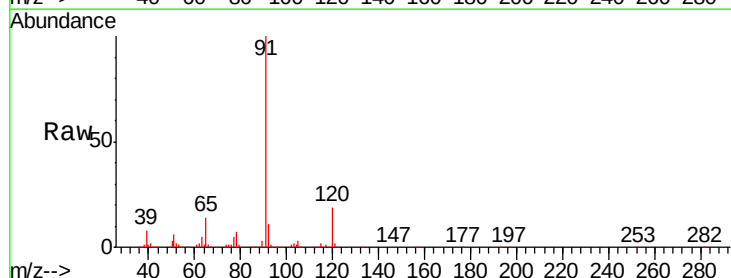
RT: 11.68 min Scan# 1121

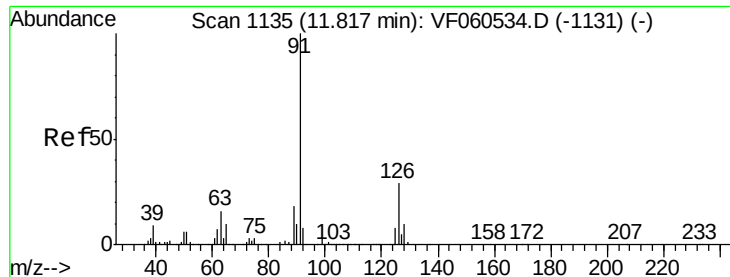
Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.8	10.7	32.1





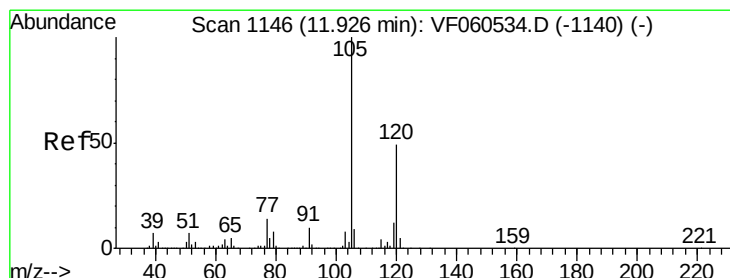
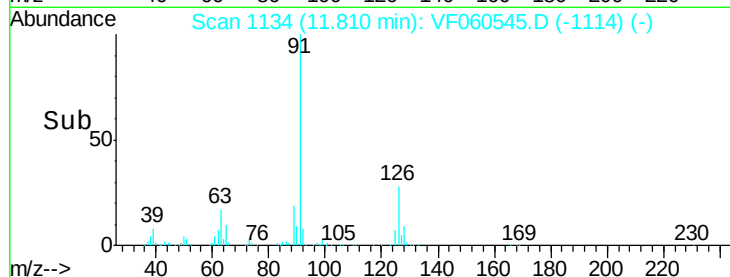
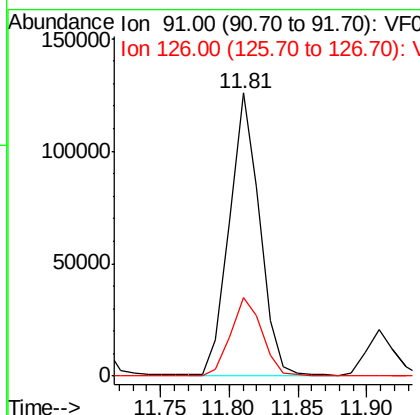
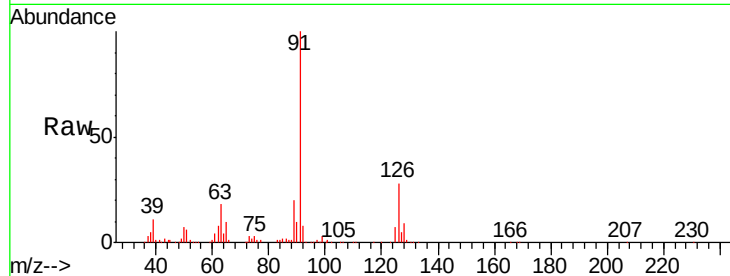
#79
 2-Chlorotoluene
 Concen: 20.98 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion: 91 Resp: 190760
 Ion Ratio Lower Upper
 91 100
 126 27.8 14.2 42.8

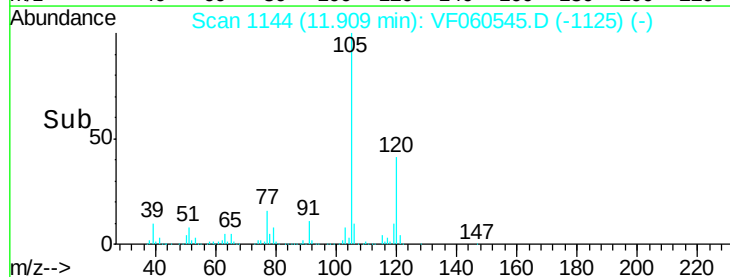
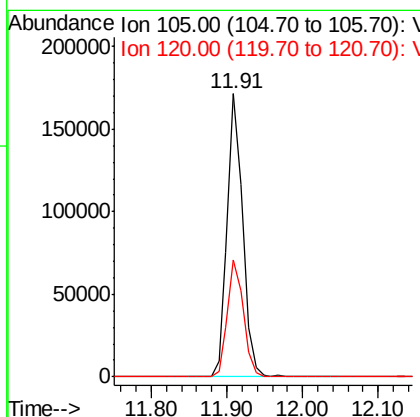
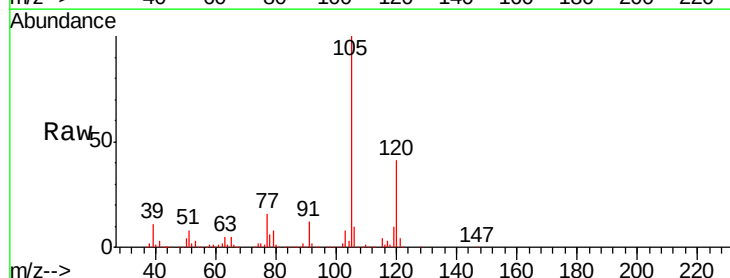
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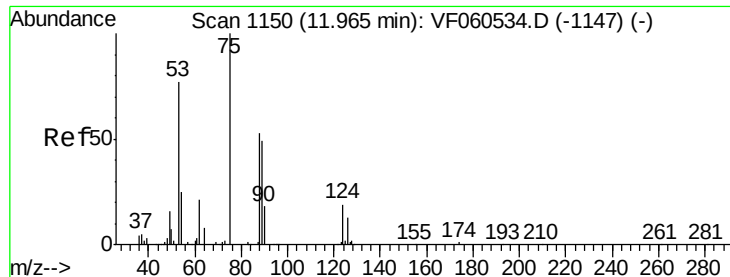
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.17 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion: 105 Resp: 245409
 Ion Ratio Lower Upper
 105 100
 120 41.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.82 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

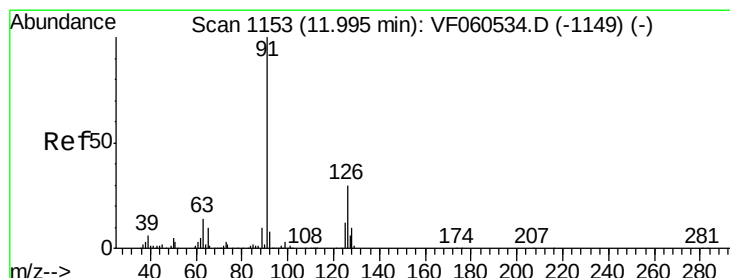
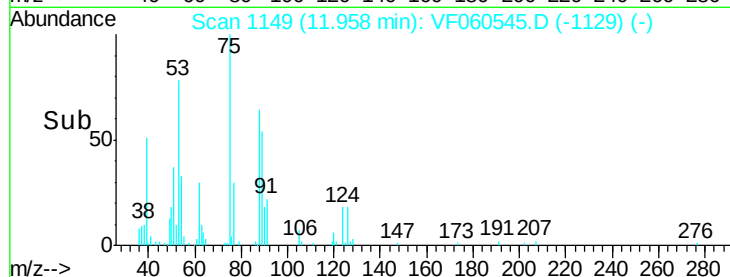
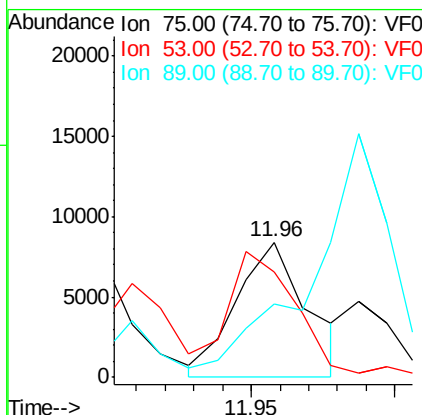
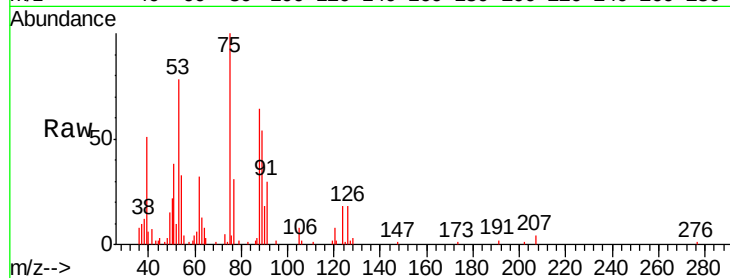
ClientSampleId :

VF1030SBS01

Tgt Ion:	75	Resp:	14620
Ion Ratio	Lower	Upper	
75	100		
53	77.7	65.8	98.6
89	54.0	44.0	66.0

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#82

4-Chlorotoluene

Concen: 19.96 ug/l

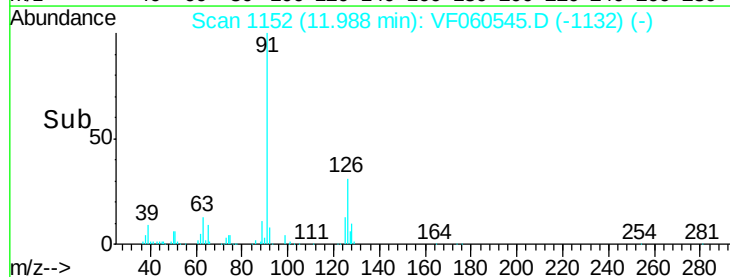
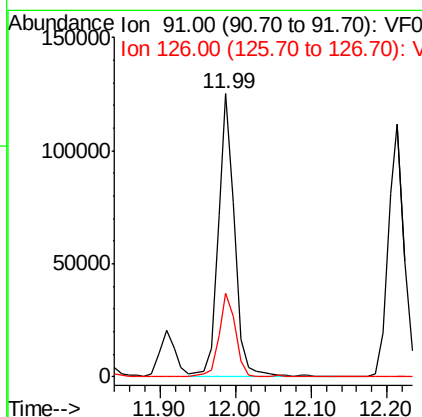
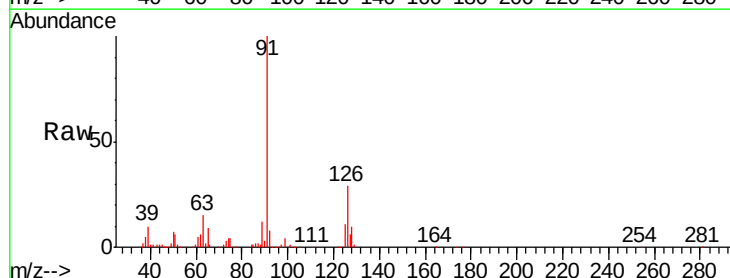
RT: 11.99 min Scan# 1152

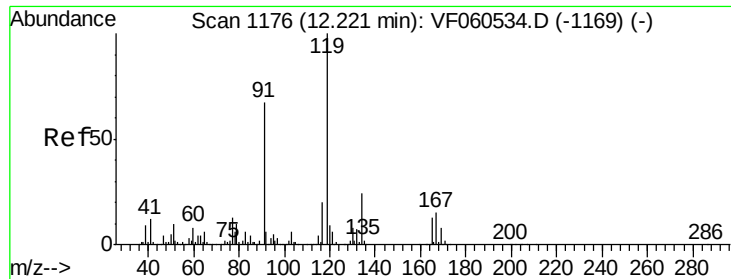
Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	91	Resp:	188162
Ion Ratio	Lower	Upper	
91	100		
126	29.5	15.1	45.3





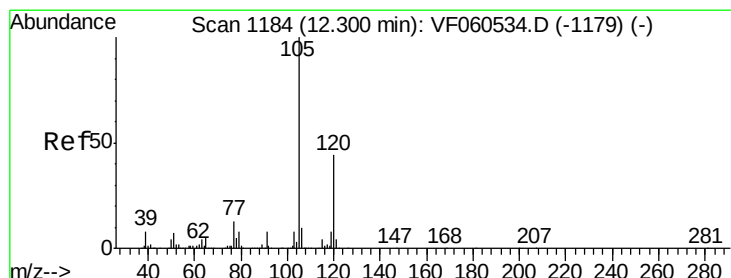
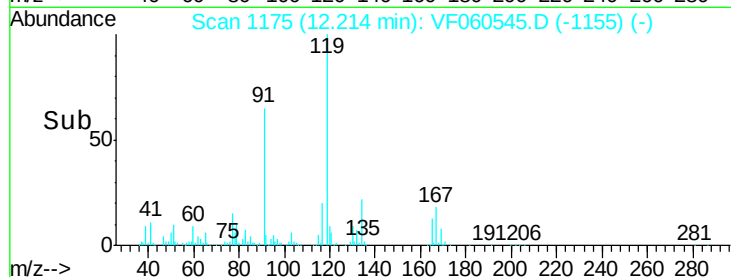
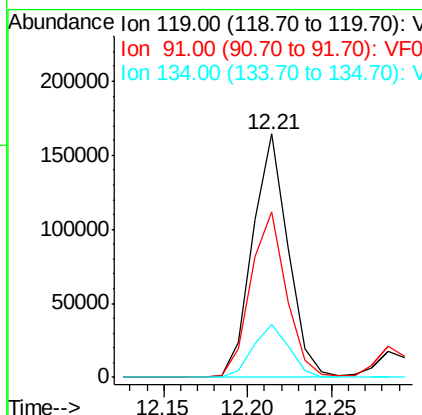
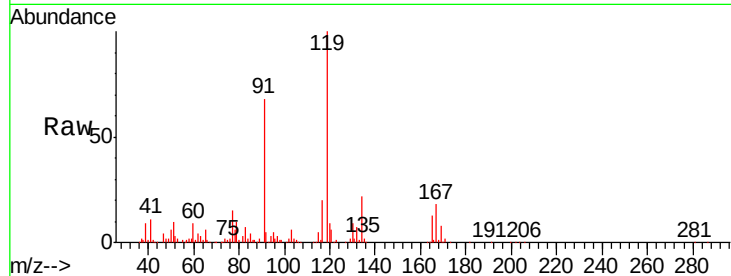
#83
 tert-Butylbenzene
 Concen: 22.43 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240545		
91	67.9	33.6	100.8	
134	21.9	12.0	36.0	

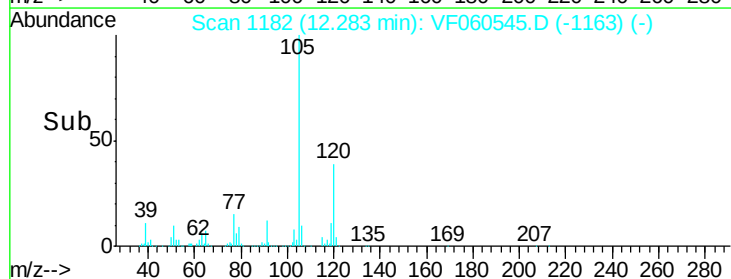
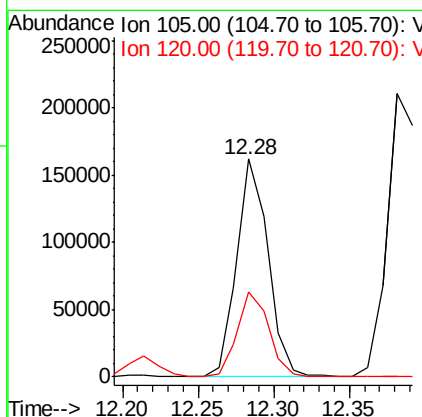
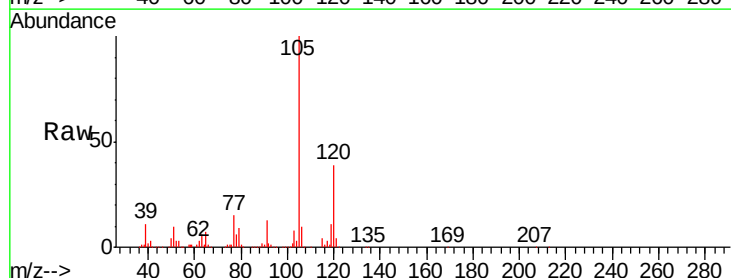
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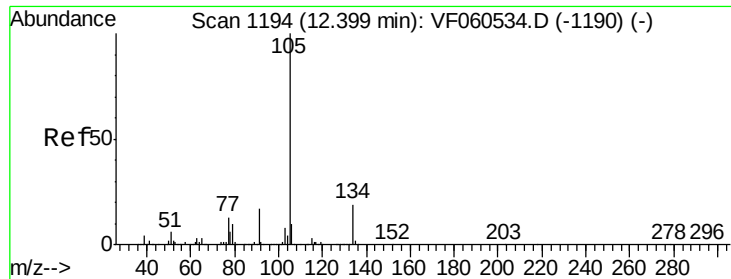
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.80 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233899		
120	38.8	22.0	66.0	





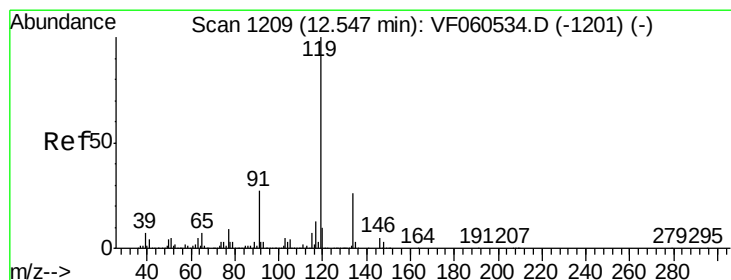
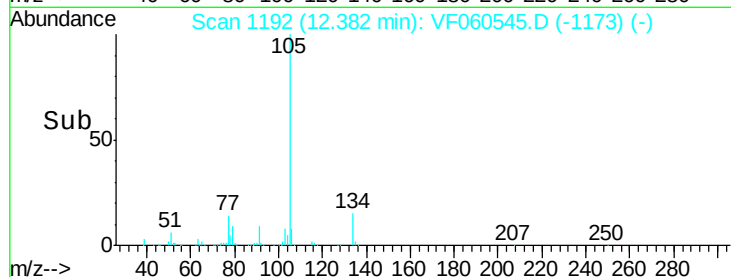
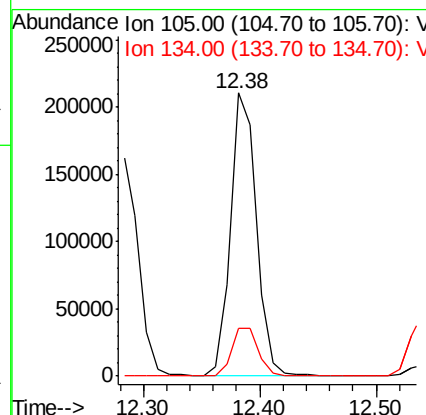
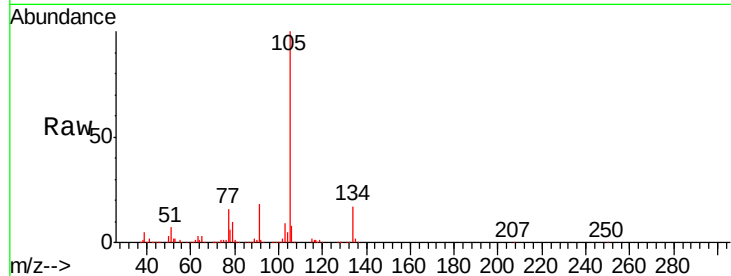
#85
 sec-Butylbenzene
 Concen: 21.47 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322786		
134	16.8	9.6	28.6	

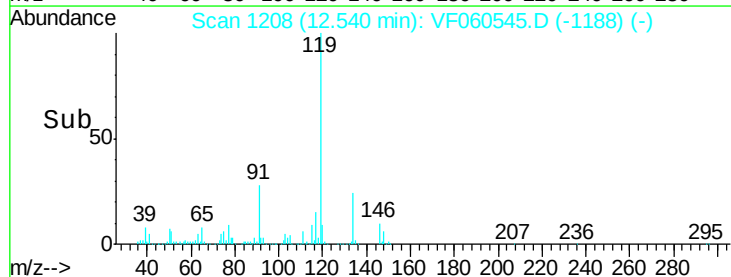
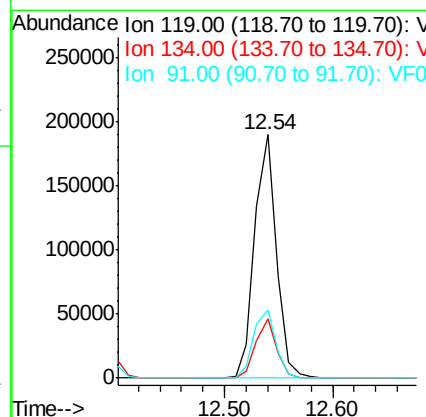
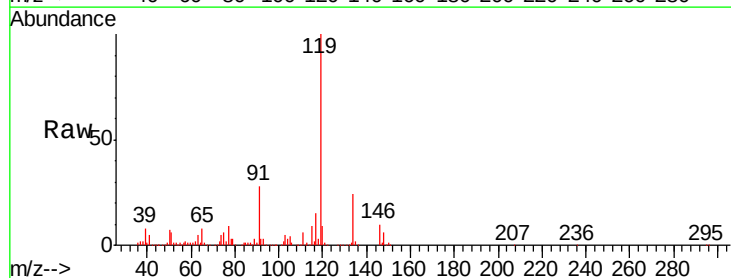
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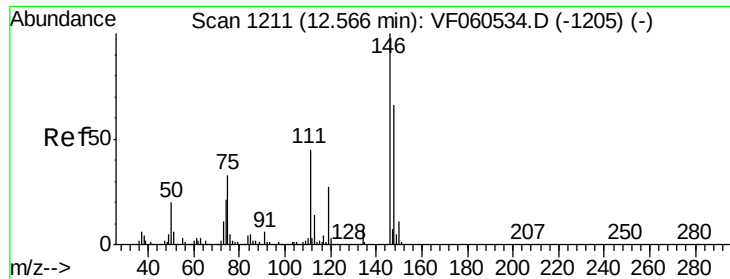
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#86
 p-Isopropyltoluene
 Concen: 21.58 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	266272		
134	24.3	13.1	39.1	
91	28.3	13.5	40.4	





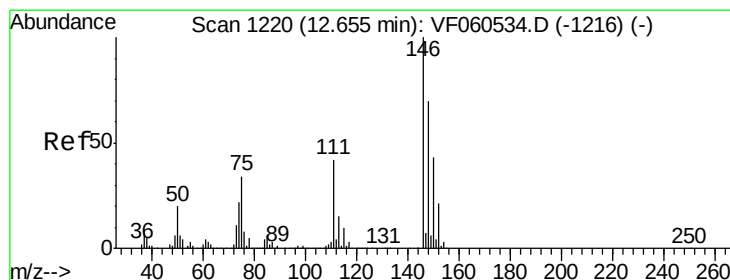
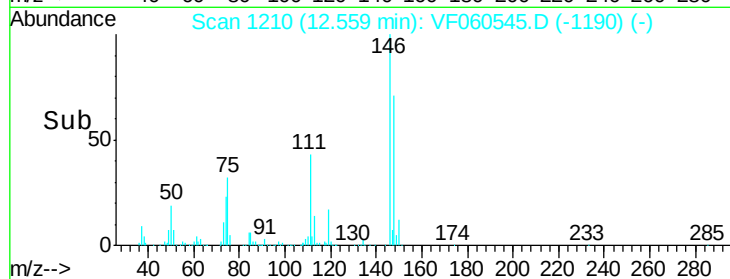
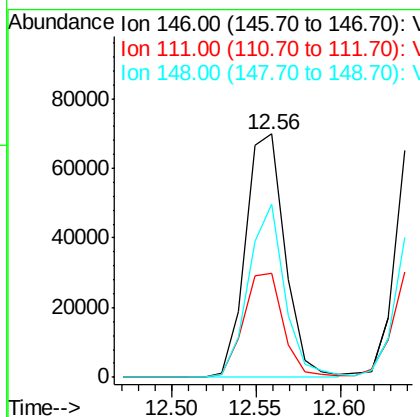
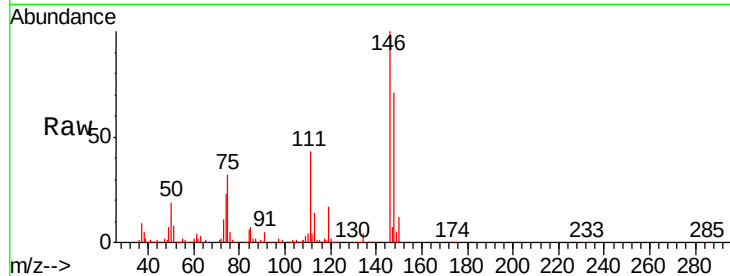
#87
 1,3-Dichlorobenzene
 Concen: 20.22 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.6	67.7
148	70.9	33.1	99.3

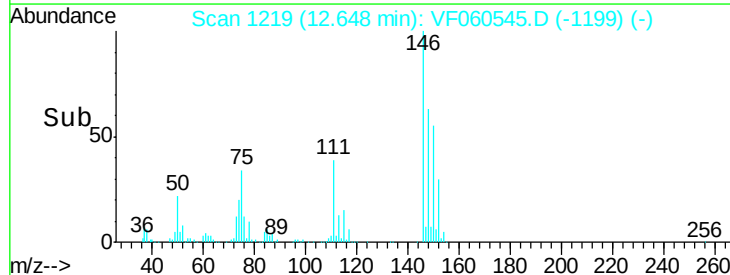
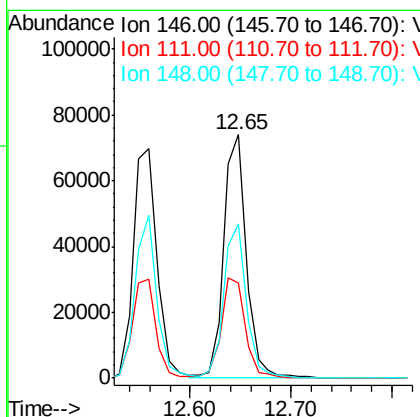
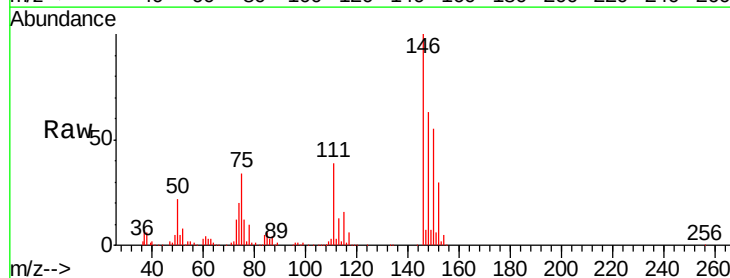
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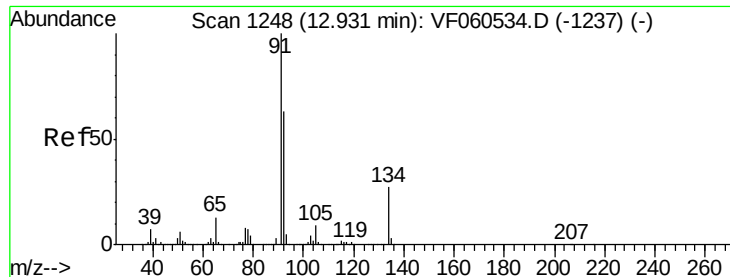
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#88
 1,4-Dichlorobenzene
 Concen: 21.85 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.2	63.6
148	63.5	35.1	105.5





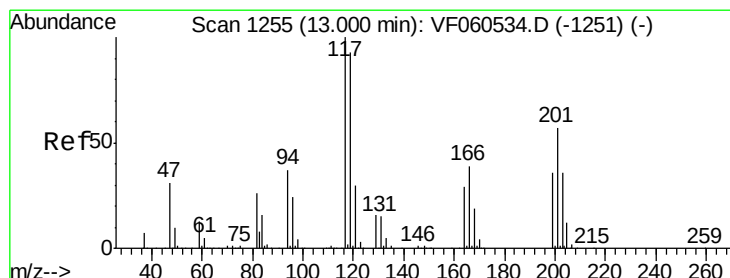
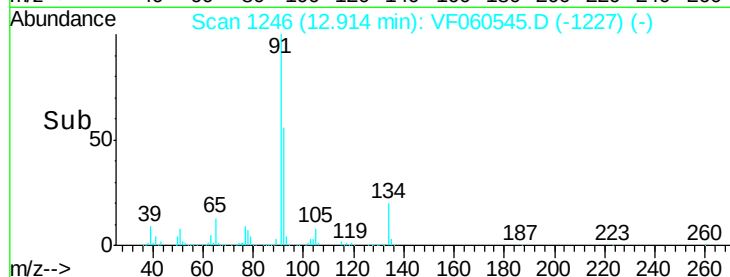
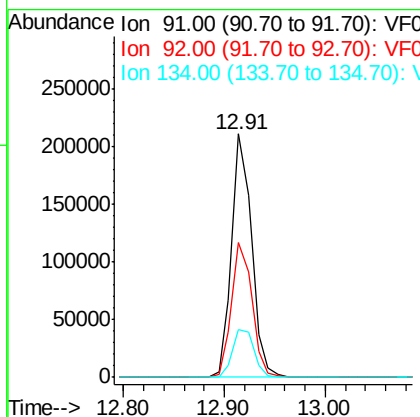
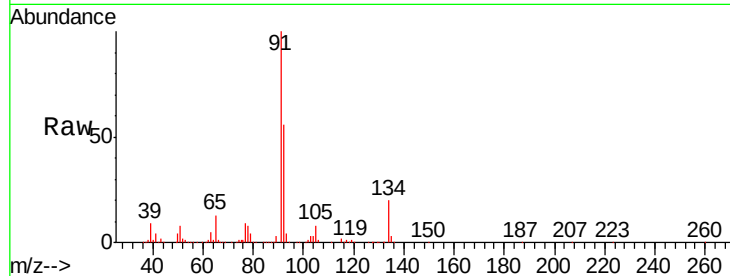
#89
n-Butylbenzene
Concen: 21.62 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	31.3	93.9
134	19.7	13.3	39.8

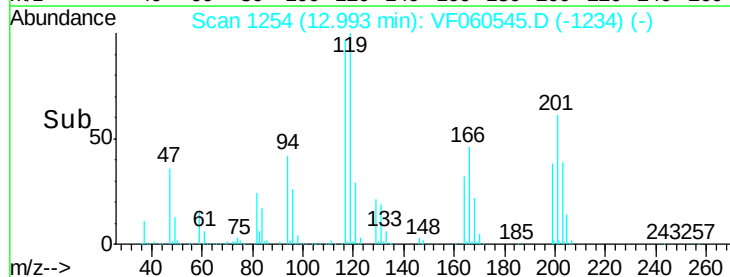
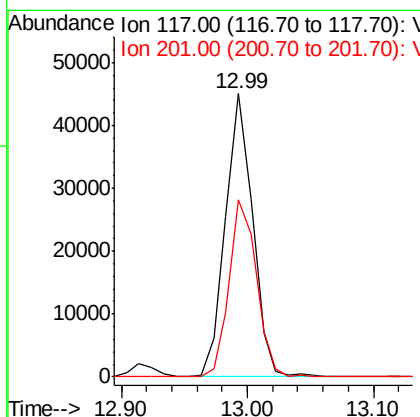
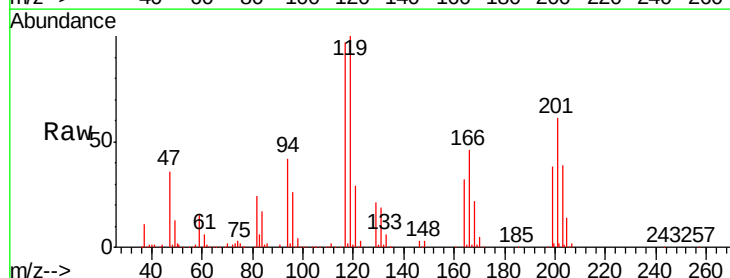
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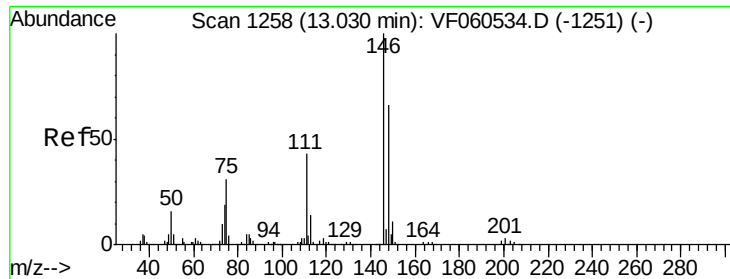
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#90
Hexachloroethane
Concen: 21.17 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.4	28.2	84.7





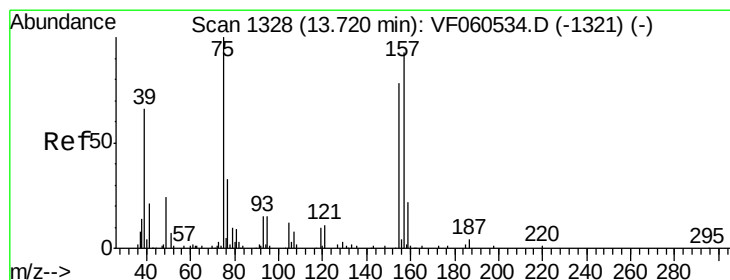
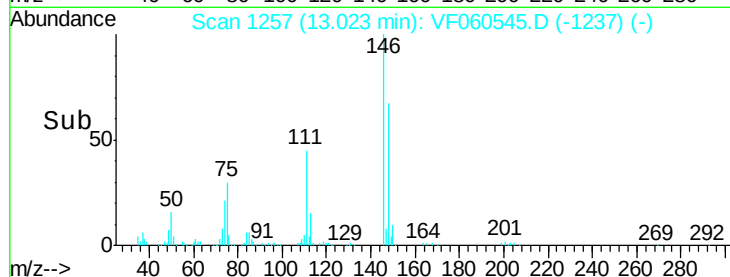
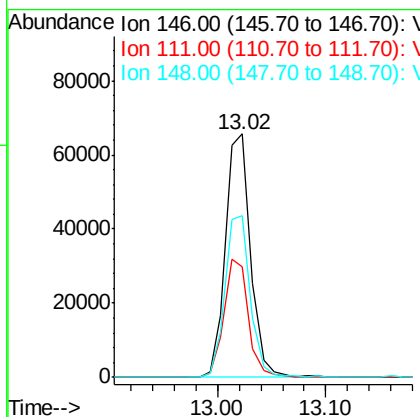
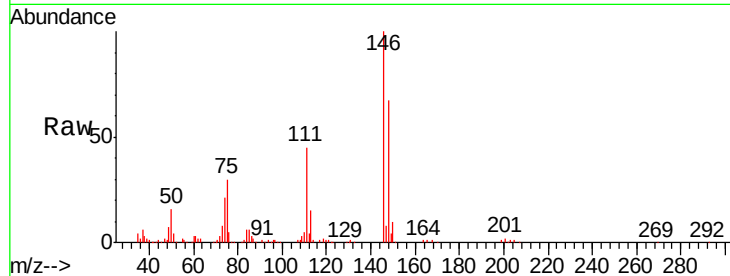
#91
 1,2-Dichlorobenzene
 Concen: 20.10 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.5	64.5
148	66.5	33.1	99.5

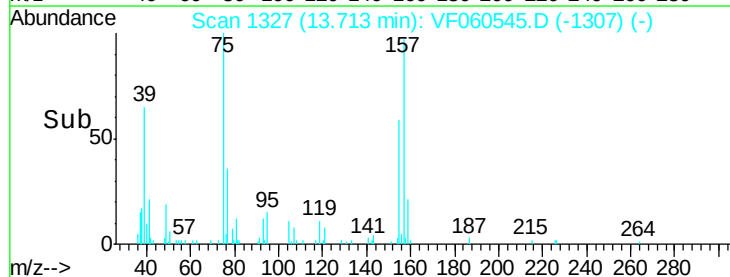
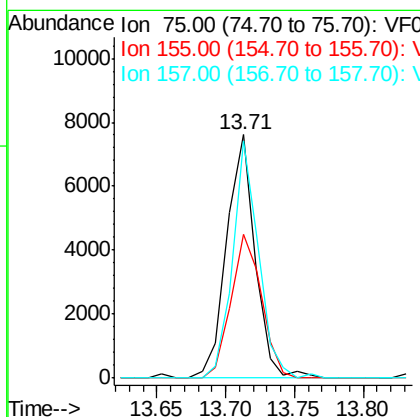
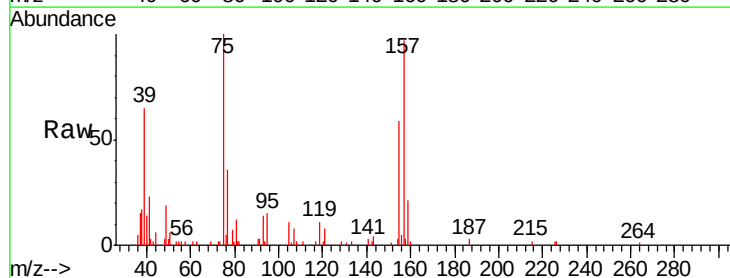
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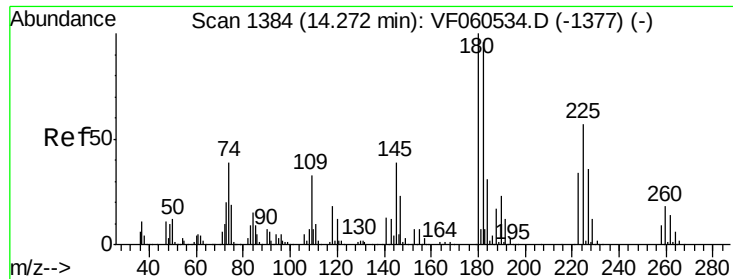
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.70 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.2	40.8	122.5
157	97.3	46.5	139.5





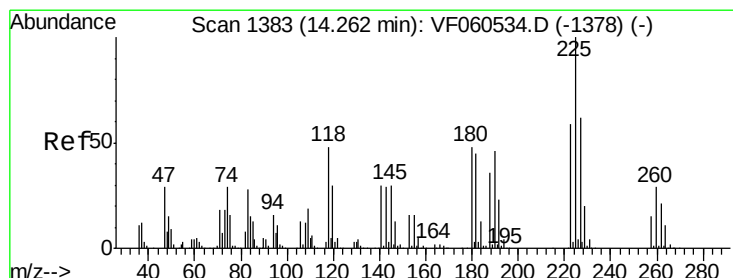
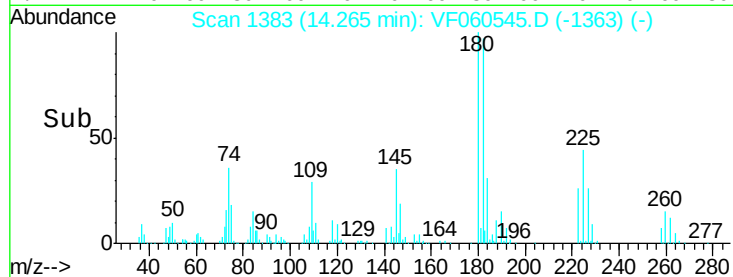
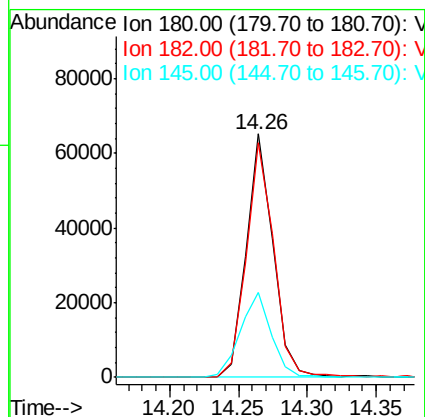
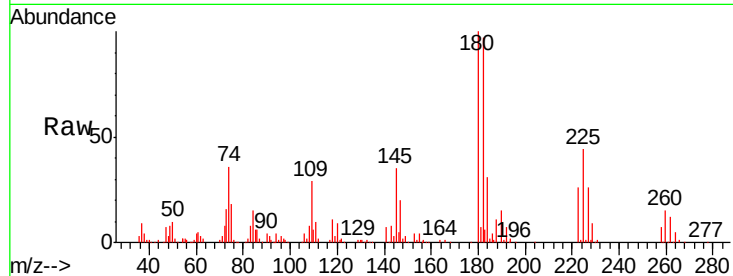
#93
 1,2,4-Trichlorobenzene
 Concen: 22.38 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88866		
182	96.5	48.1	144.3	
145	34.7	19.5	58.5	

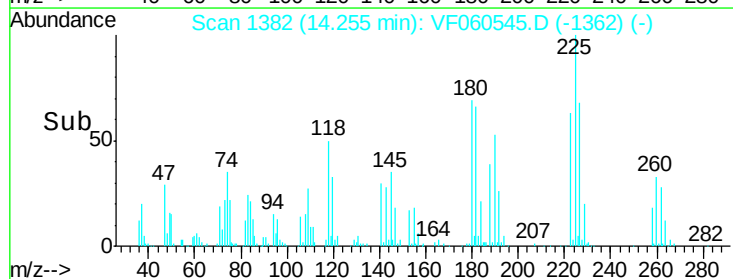
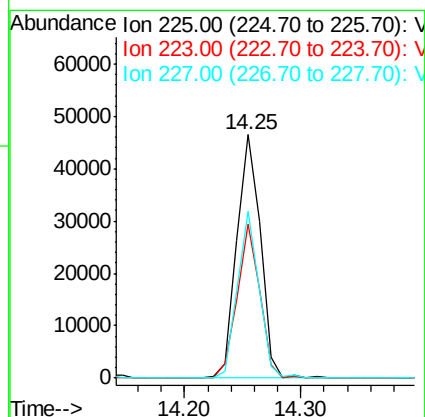
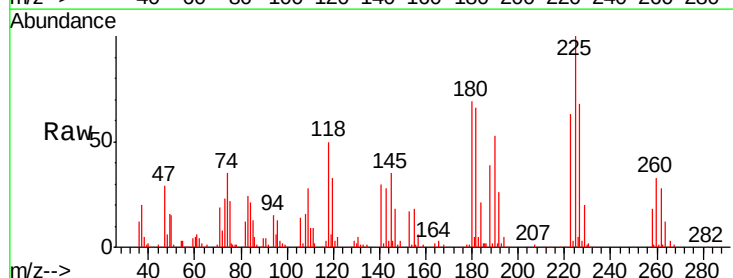
Manual Integrations
 APPROVED

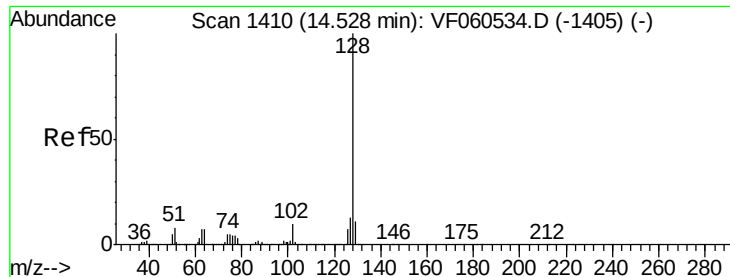
apatel
 10/31/2018 10:29:11 AM



#94
 Hexachlorobutadiene
 Concen: 23.37 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65683		
223	63.0	29.5	88.5	
227	68.5	31.3	93.8	





#95

Naphthalene

Concen: 20.10 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

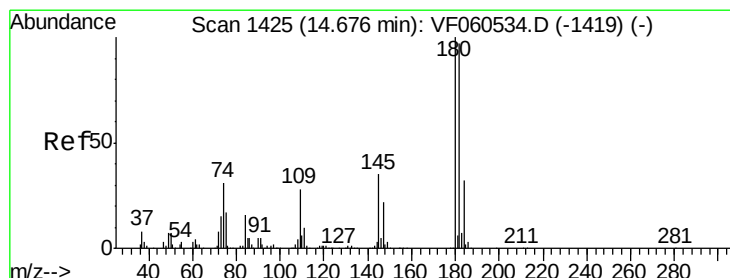
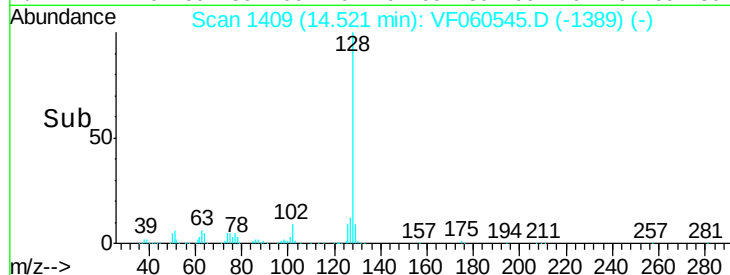
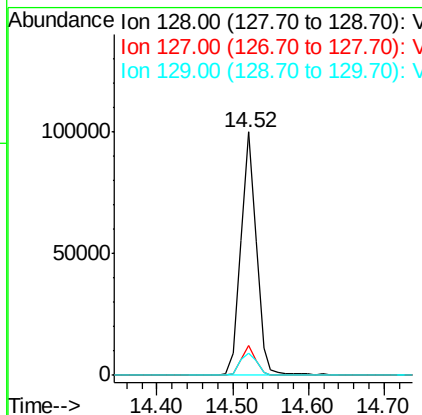
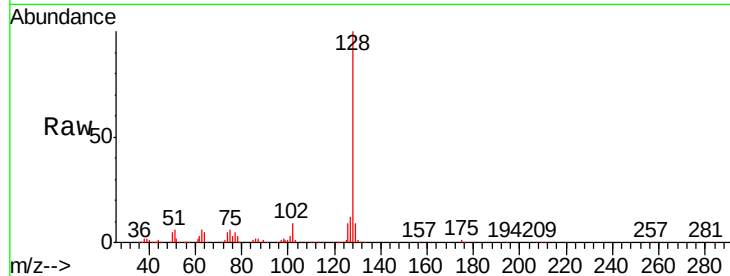
ClientSampleId :

VF1030SBS01

Tgt Ion:	128	Resp:	141142
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	9.1	8.7	13.1

Manual Integrations
APPROVED

apatel
10/31/2018 10:29:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.00 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion:	180	Resp:	86914
Ion Ratio	Lower	Upper	
180	100		
182	89.9	48.7	146.1
145	30.1	17.3	52.0

