

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060783.D
 Acq On : 19 Nov 2018 18:06
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Manual Integrations
 APPROVED

apatel
 11/20/2018 12:02:26 PM

Quant Time: Nov 20 02:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	146822	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	259811	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	240018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	136939	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	85153	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	4.12	113	96160	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.56	98	253099	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.41	95	132257	57.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	64403	24.510	ug/l	96
3) Chloromethane	1.10	50	37247	22.857	ug/l #	88
4) Vinyl Chloride	1.15	62	34113	23.401	ug/l	89
5) Bromomethane	1.33	94	24444	26.398	ug/l	93
6) Chloroethane	1.37	64	13829	24.247	ug/l	97
7) Trichlorofluoromethane	1.49	101	78506	24.354	ug/l	98
8) Diethyl Ether	1.64	74	8795	21.294	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	39486	25.993	ug/l	95
10) Methyl Iodide	1.89	142	58426	23.971	ug/l	91
11) Tert butyl alcohol	2.58	59	8668	113.729	ug/l	97
12) 1,1-Dichloroethene	1.78	96	28170	23.518	ug/l	98
13) Acrolein	2.01	56	6916	99.242	ug/l	83
14) Allyl chloride	2.10	41	47697	22.730	ug/l	96
15) Acrylonitrile	2.95	53	18816	115.858	ug/l	86
16) Acetone	2.25	43	40520	113.200	ug/l	99
17) Carbon Disulfide	1.82	76	84135m	23.240	ug/l	
18) Methyl Acetate	2.35	43	15292	26.017	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	63998	22.271	ug/l	95
20) Methylene Chloride	2.19	84	29607	23.363	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	29747	23.770	ug/l	83
22) Diisopropyl ether	2.81	45	91384	22.556	ug/l	97
23) Vinyl Acetate	3.19	43	219296	114.949	ug/l	100
24) 1,1-Dichloroethane	2.88	63	60218	24.551	ug/l	99
25) 2-Butanone	4.34	43	62534	106.212	ug/l	92
26) 2,2-Dichloropropane	3.60	77	46959	24.329	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	44798	21.043	ug/l	98
28) Bromochloromethane	3.73	49	29799	23.377	ug/l	86
29) Tetrahydrofuran	4.08	42	27281	112.334	ug/l	94
30) Chloroform	3.86	83	88119	22.392	ug/l	92
31) Cyclohexane	3.70	56	61658	20.712	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	73500	23.717	ug/l	94
36) 1,1-Dichloropropene	4.29	75	65649	21.787	ug/l	95
37) Ethyl Acetate	4.12	43	25580	22.834	ug/l #	84
38) Carbon Tetrachloride	3.99	117	67732	23.166	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	74541	21.323	ug/l	93
40) Benzene	4.64	78	142352	21.193	ug/l	97
41) Methacrylonitrile	4.74	41	14358	21.578	ug/l	95
42) 1,2-Dichloroethane	4.95	62	51930	22.373	ug/l	99
43) Isopropyl Acetate	6.97	43	30727	20.688	ug/l #	97
44) Trichloroethene	5.51	130	45588	21.512	ug/l	97
45) 1,2-Dichloropropane	6.24	63	37032	21.187	ug/l	92
46) Dibromomethane	6.09	93	23805	20.633	ug/l	95
47) Bromodichloromethane	6.39	83	63664	21.608	ug/l	97
48) Methyl methacrylate	6.73	41	19465	19.802	ug/l	98
49) 1,4-Dioxane	6.72	88	3850	418.781	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	118300	110.125	ug/l	98
52) Toluene	7.63	92	95652	21.251	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	49102	20.808	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	66044	21.546	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	26173	20.352	ug/l #	85
56) Ethyl methacrylate	8.63	69	31349	21.464	ug/l	91
57) 1,3-Dichloropropane	8.87	76	50301	22.569	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	15488	116.084	ug/l	100
59) 2-Hexanone	9.50	43	93835	124.295	ug/l	96
60) Dibromochloromethane	8.73	129	39233	21.405	ug/l	97
61) 1,2-Dibromoethane	8.99	107	29295	21.659	ug/l	98
64) Tetrachloroethene	8.16	164	40645	21.385	ug/l	95
65) Chlorobenzene	9.80	112	100531	20.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	46082	21.814	ug/l	97
67) Ethyl Benzene	9.91	91	205682	22.529	ug/l	100
68) m/p-Xylenes	10.14	106	146136	44.791	ug/l	85
69) o-Xylene	10.72	106	83879	22.867	ug/l	97
70) Styrene	10.80	104	115746	23.251	ug/l	99
71) Bromoform	10.78	173	21324	22.447	ug/l	96
73) Isopropylbenzene	11.13	105	248061	22.505	ug/l	98
74) N-amyl acetate	11.38	43	62198	24.787	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	41452	22.746	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	30233	22.338	ug/l	99
77) Bromobenzene	11.50	156	48765	21.254	ug/l	90
78) n-propylbenzene	11.60	91	301557	23.457	ug/l	95
79) 2-Chlorotoluene	11.73	91	169917	22.741	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	204403	23.358	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	13484m	20.279	ug/l	
82) 4-Chlorotoluene	11.90	91	169222	22.108	ug/l	98
83) tert-Butylbenzene	12.13	119	215479	23.191	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	191899	21.203	ug/l	93
85) sec-Butylbenzene	12.31	105	278737	22.115	ug/l	94
86) p-Isopropyltoluene	12.47	119	240064	22.805	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	104721	22.935	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	96580	22.008	ug/l	94
89) n-Butylbenzene	12.85	91	241497	22.480	ug/l	94
90) Hexachloroethane	12.92	117	53772	20.884	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	96106	22.354	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6829	19.938	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70174	22.710	ug/l	93
94) Hexachlorobutadiene	14.19	225	45501	22.534	ug/l	98
95) Naphthalene	14.46	128	127864	22.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60530	21.199	ug/l	94

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

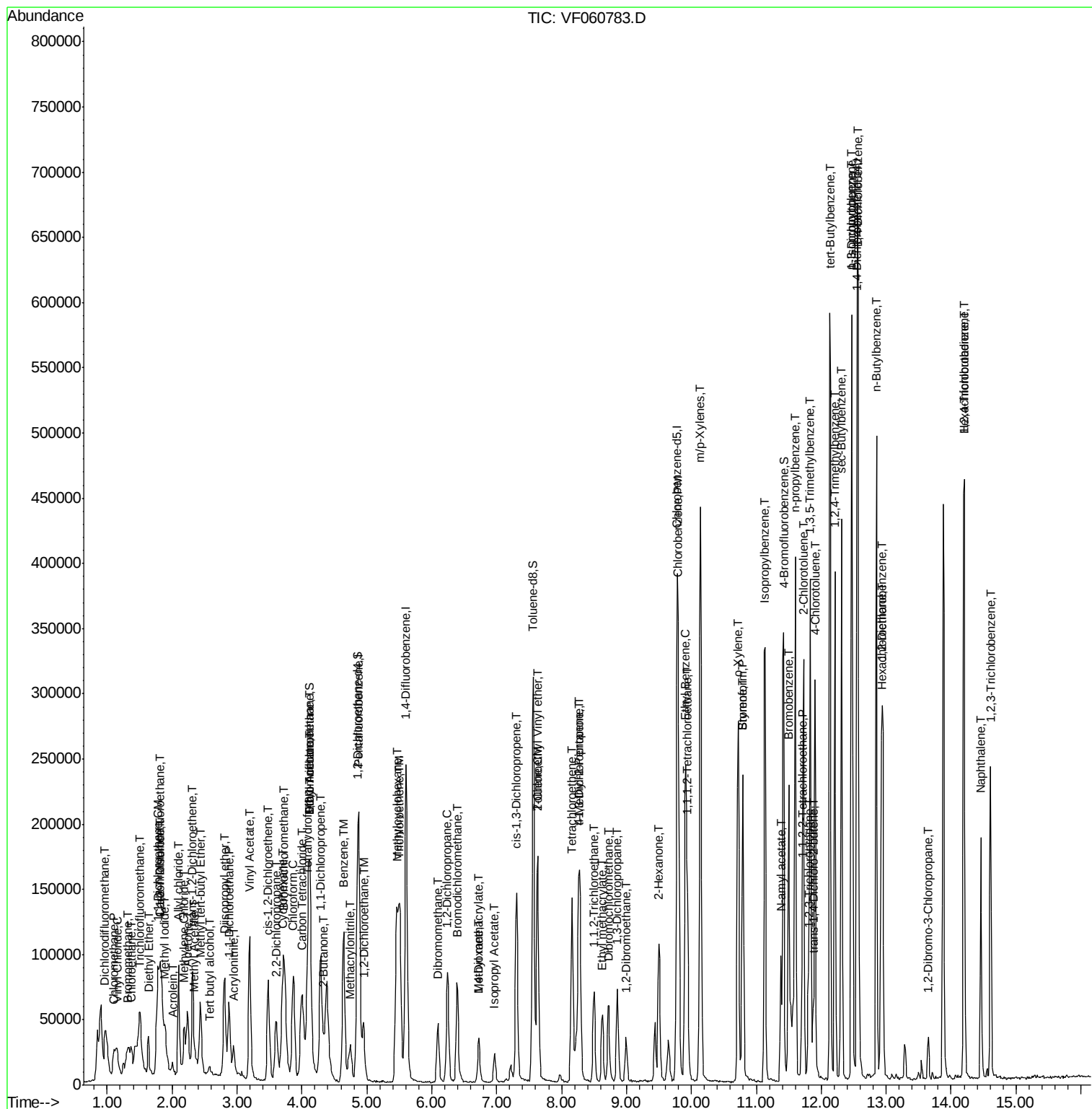
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111918\
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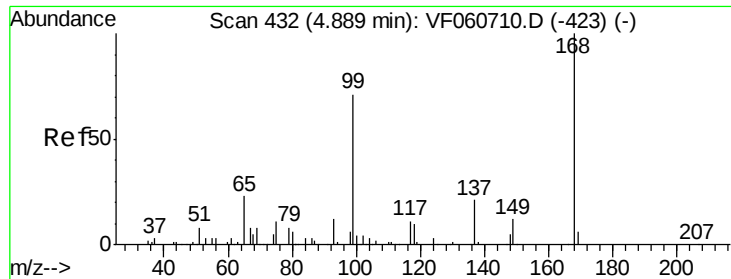
Instrument :
 MSVOA_F
 Client Sample Id :
 VF1119SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:168 Resp: 146822

Ion Ratio Lower Upper

168 100

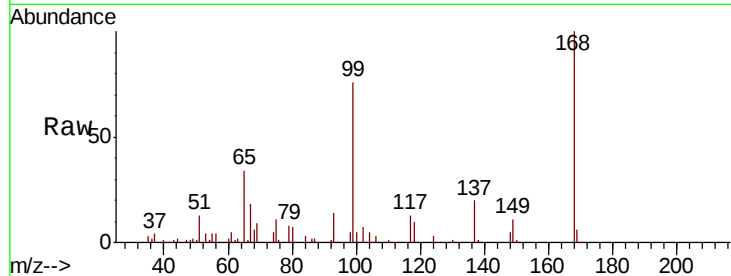
99 76.3 57.2 85.8

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

4.87

50000

40000

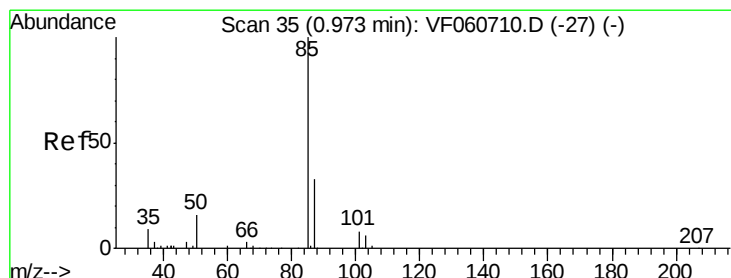
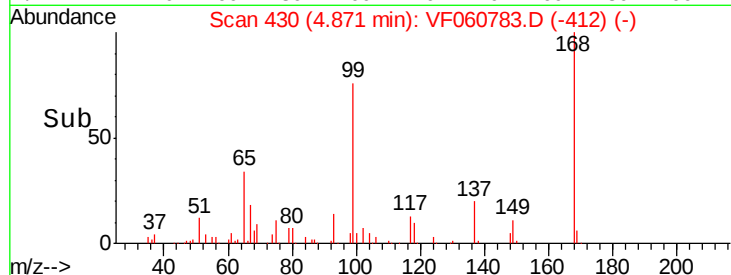
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 24.510 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060783.D

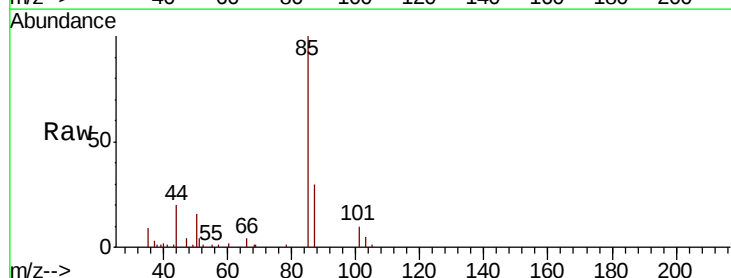
Acq: 19 Nov 2018 18:06

Tgt Ion: 85 Resp: 64403

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

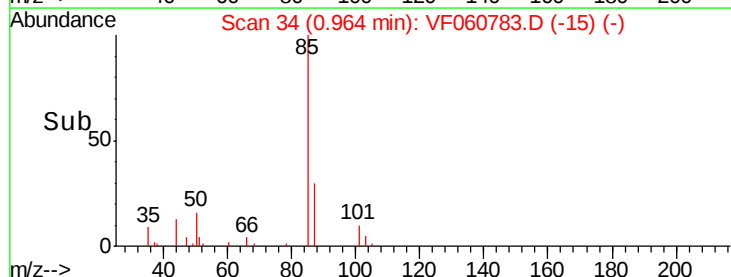
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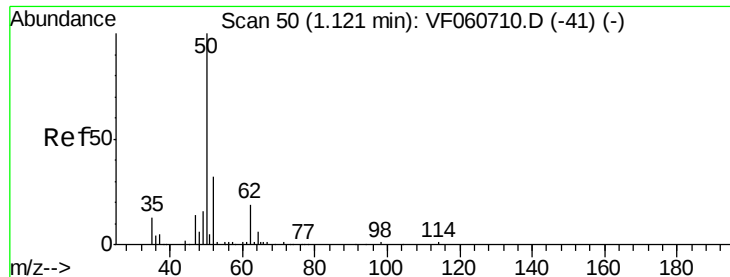
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.857 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 50 Resp: 37247

Ion Ratio Lower Upper

50 100

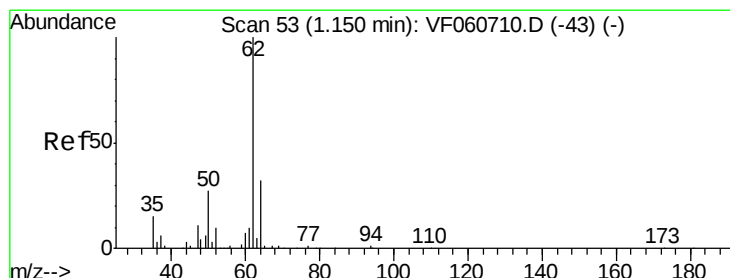
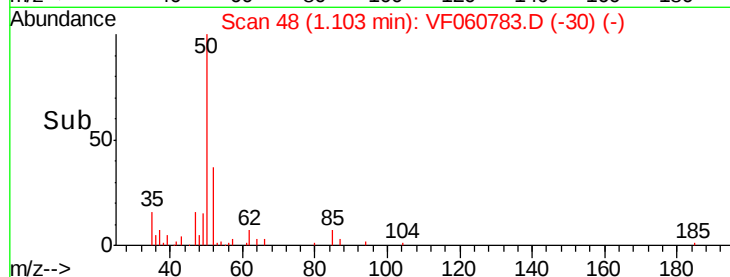
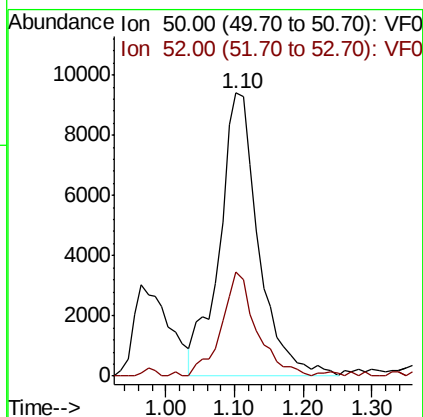
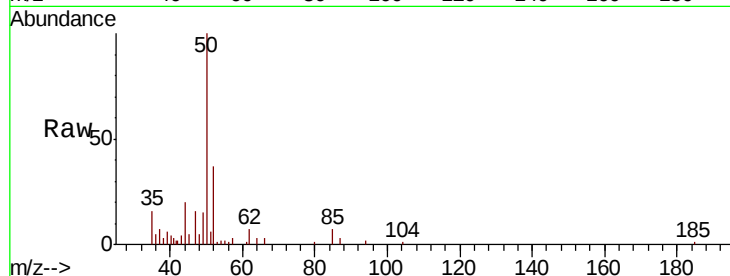
52 36.6 24.2 36.2#

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#4

Vinyl Chloride

Concen: 23.401 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060783.D

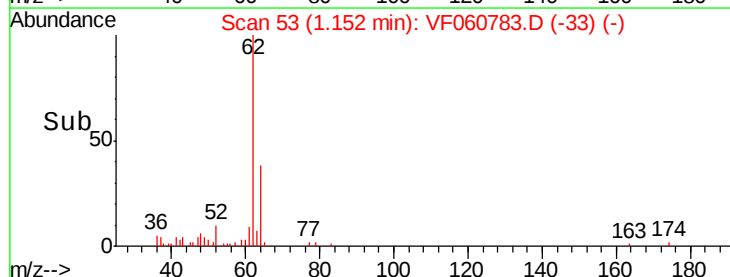
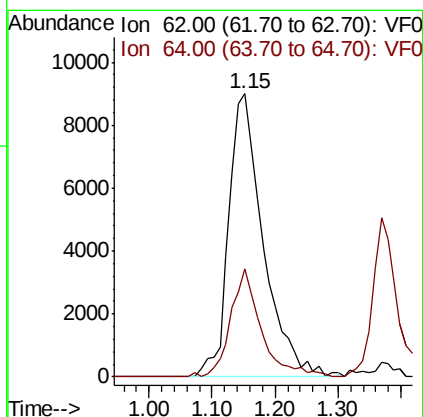
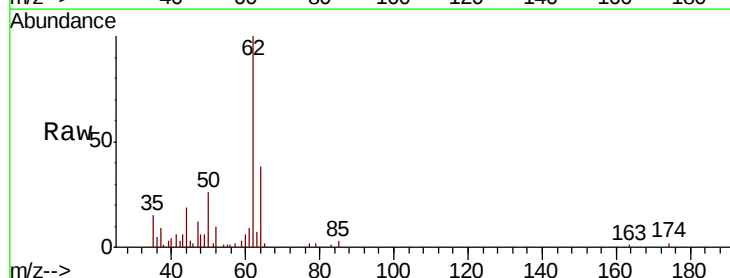
Acq: 19 Nov 2018 18:06

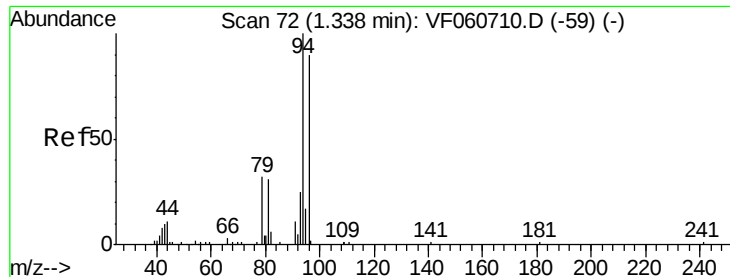
Tgt Ion: 62 Resp: 34113

Ion Ratio Lower Upper

62 100

64 38.3 25.8 38.8





#5

Bromomethane

Concen: 26.398 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

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ClientSampleId :

VF1119SBS01

Tot Ion: 94 Resp: 24444

Ion Ratio Lower Upper

94 100

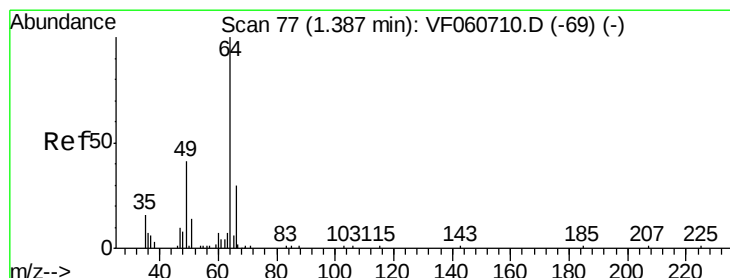
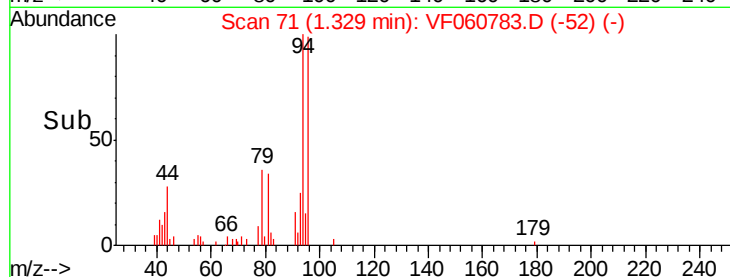
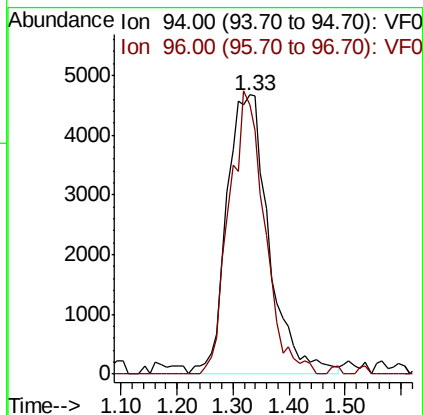
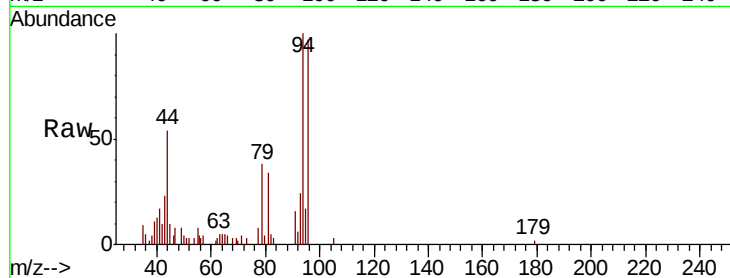
96 96.6 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 24.247 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060783.D

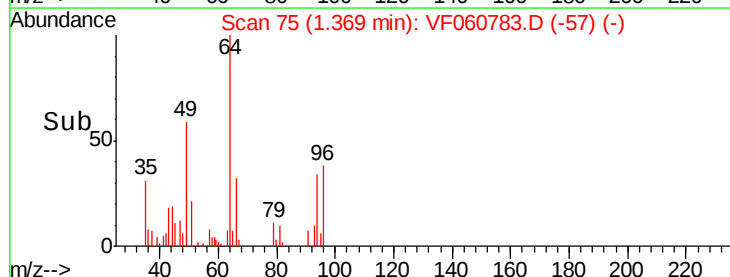
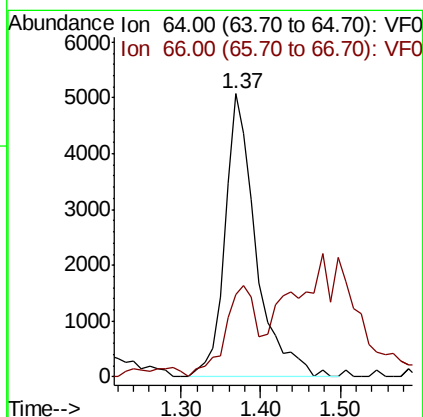
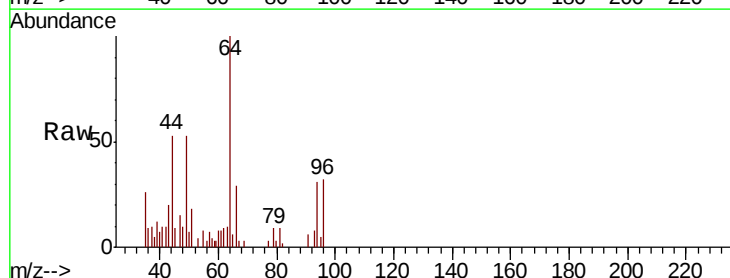
Acq: 19 Nov 2018 18:06

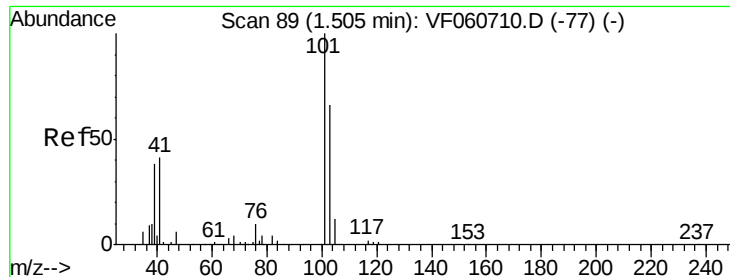
Tgt Ion: 64 Resp: 13829

Ion Ratio Lower Upper

64 100

66 29.2 24.8 37.2





#7

Trichlorofluoromethane

Concen: 24.354 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.02 min

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Acq: 19 Nov 2018 18:06

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Tot Ion:101 Resp: 78506

Ion Ratio Lower Upper

101 100

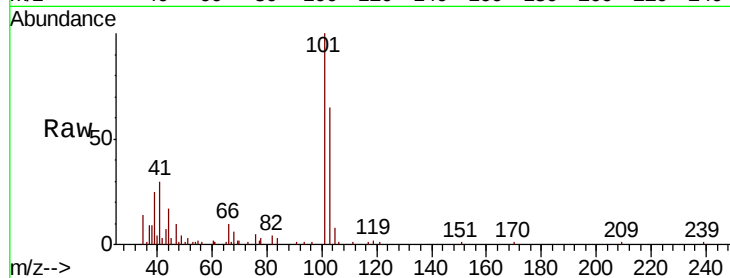
103 64.5 53.1 79.7

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

15000

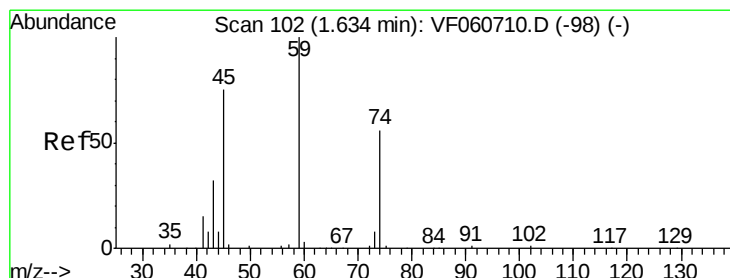
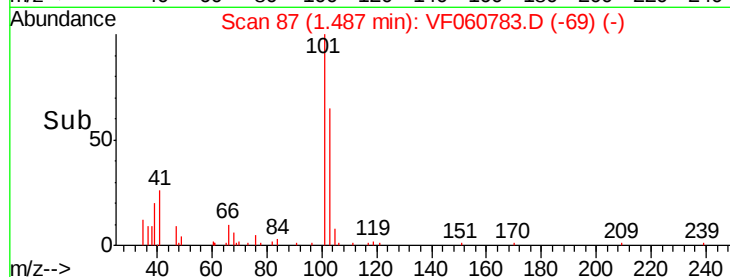
1.49

10000

5000

0

Time-->



#8

Diethyl Ether

Concen: 21.294 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060783.D

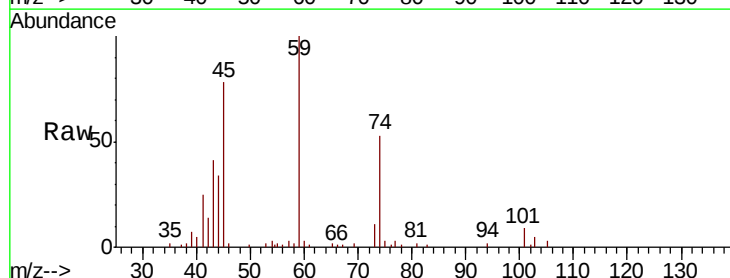
Acq: 19 Nov 2018 18:06

Tgt Ion: 74 Resp: 8795

Ion Ratio Lower Upper

74 100

45 147.8 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

8000

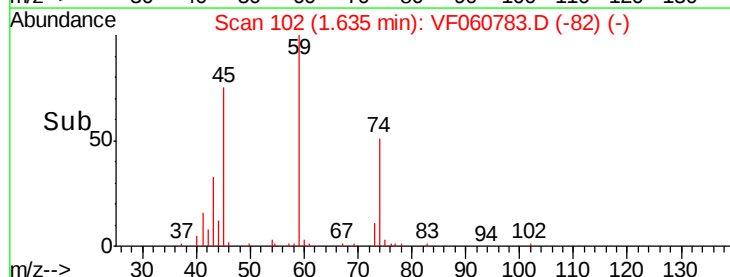
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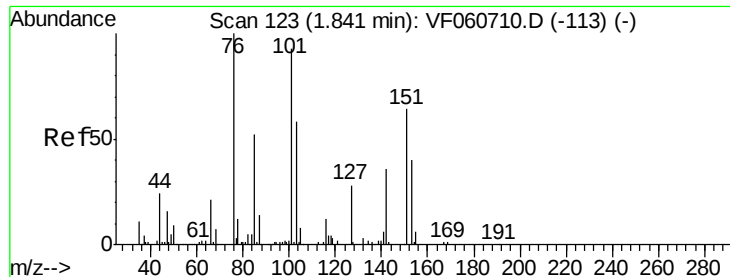
4000

2000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.993 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

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MSVOA_F

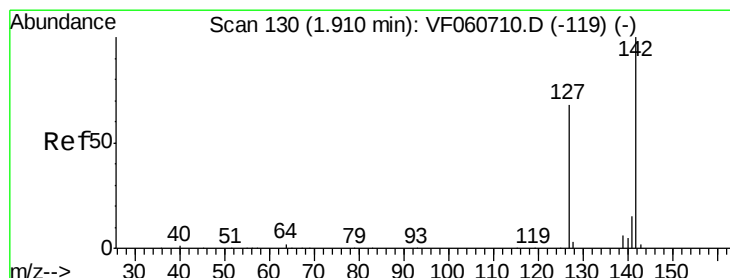
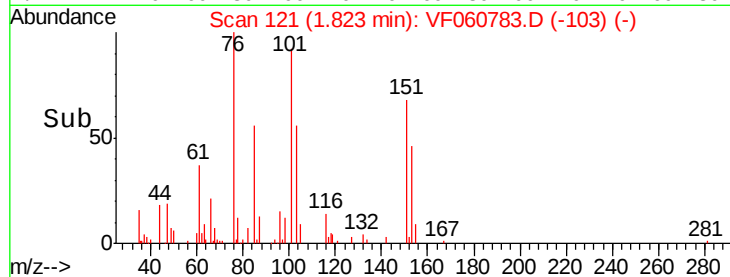
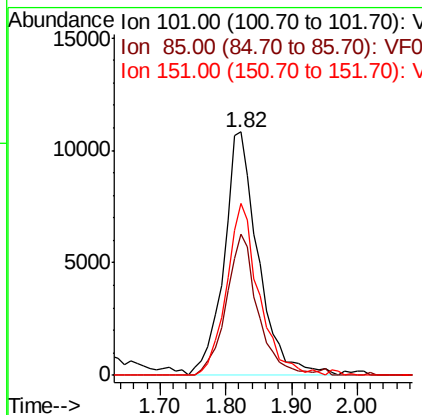
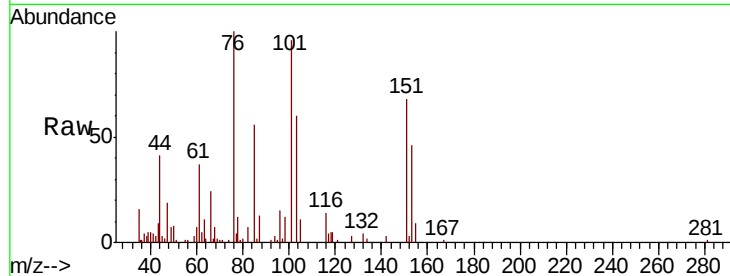
ClientSampleId :

VF1119SBS01

Tot Ion:	101	Resp:	39486
Ion Ratio	Lower	Upper	
101	100		
85	58.2	43.6	65.4
151	70.8	53.1	79.7

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#10

Methyl Iodide

Concen: 23.971 ug/l

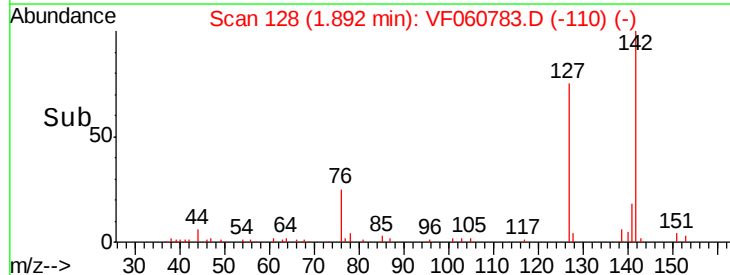
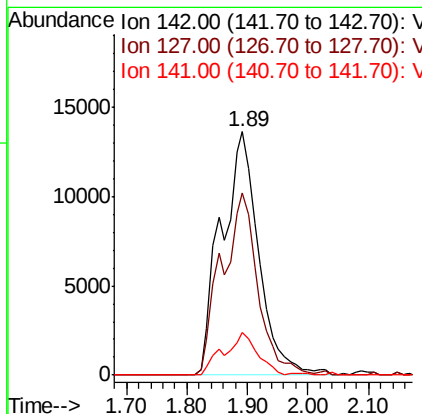
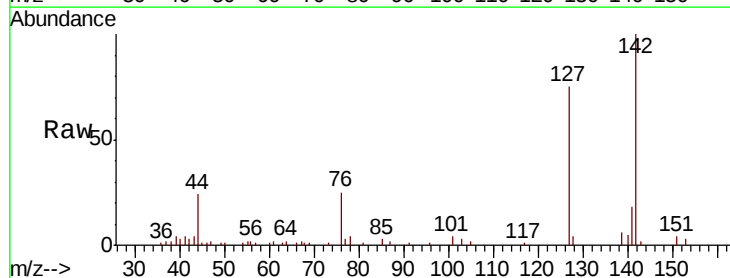
RT: 1.89 min Scan# 128

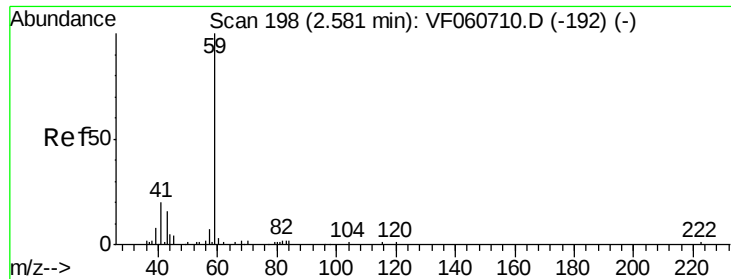
Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	142	Resp:	58426
Ion Ratio	Lower	Upper	
142	100		
127	75.0	54.0	81.0
141	17.6	12.3	18.5





#11

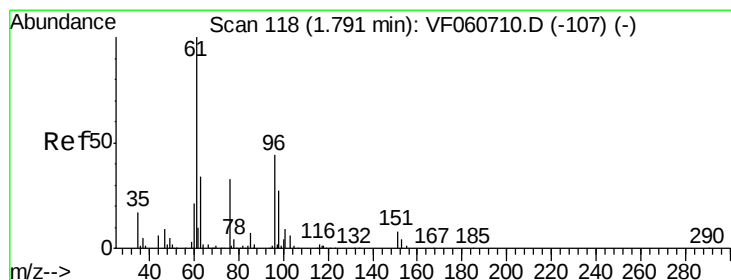
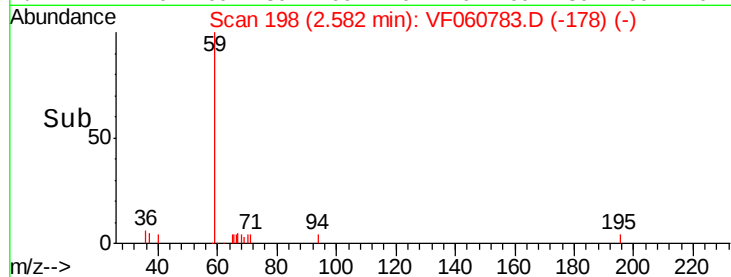
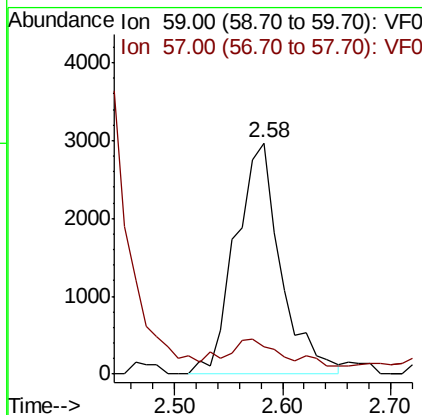
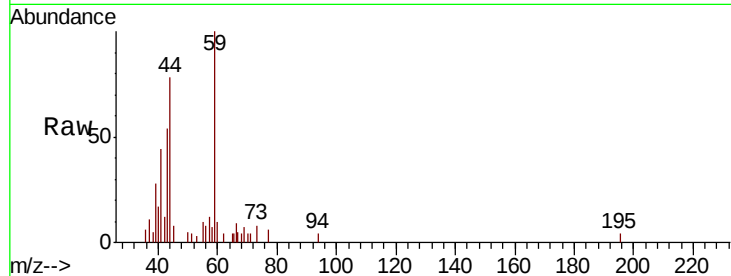
Tert butyl alcohol
Concen: 113.729 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	59	Resp	8668
Ion Ratio	100	Lower	Upper
59	100		
57	11.8	10.5	15.7

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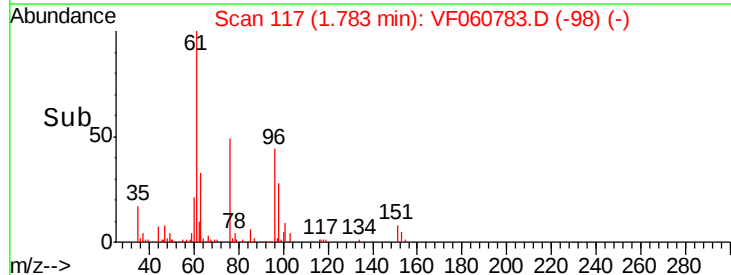
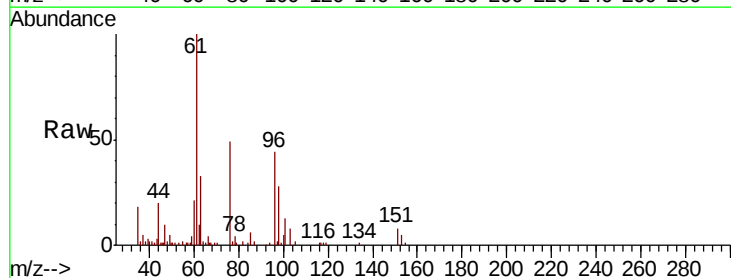
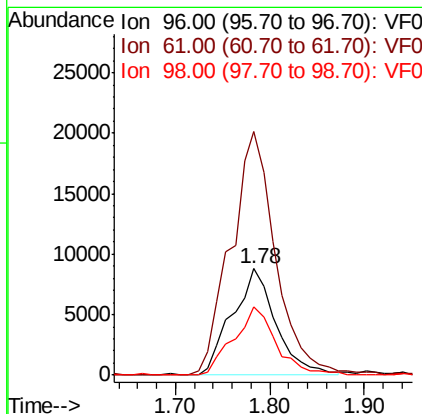
apatel
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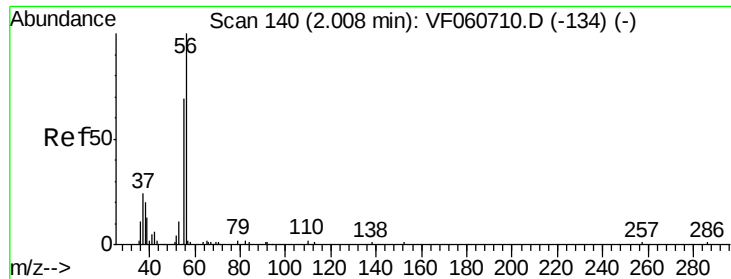


#12

1,1-Dichloroethene
Concen: 23.518 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	96	Resp	28170
Ion Ratio	100	Lower	Upper
96	100		
61	229.4	182.2	273.2
98	64.5	49.2	73.8





#13

Acrolein

Concen: 99.242 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 56 Resp: 6916

Ion Ratio Lower Upper

56 100

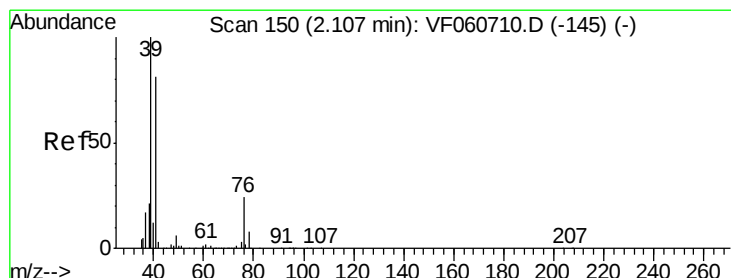
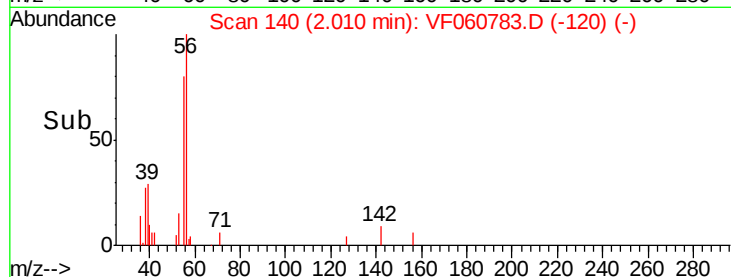
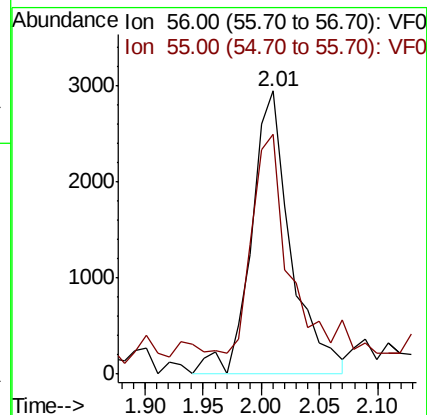
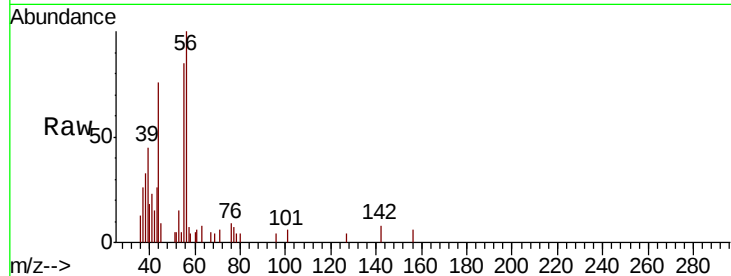
55 84.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 22.730 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

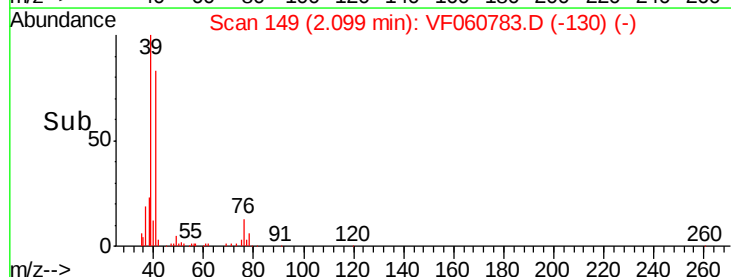
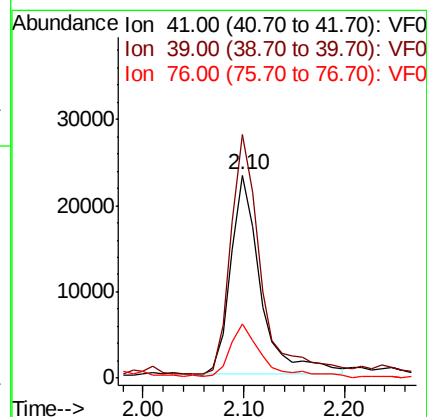
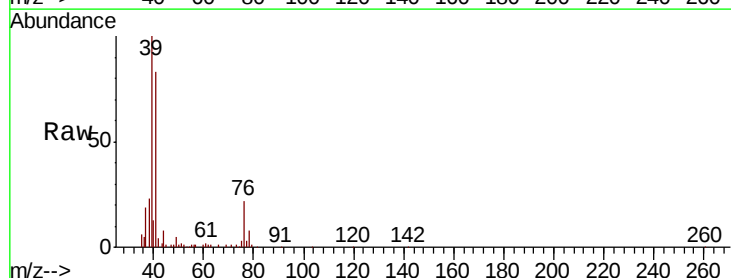
Tgt Ion: 41 Resp: 47697

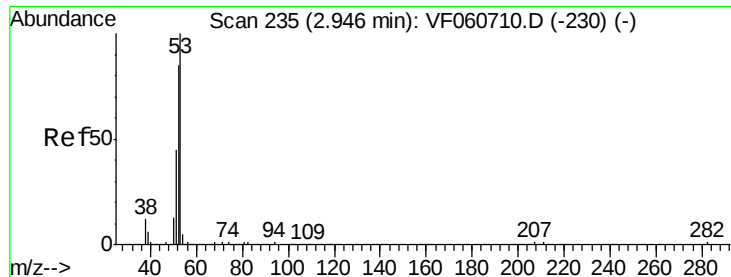
Ion Ratio Lower Upper

41 100

39 119.8 98.5 147.7

76 26.7 24.5 36.7





#15

Acrylonitrile

Concen: 115.858 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

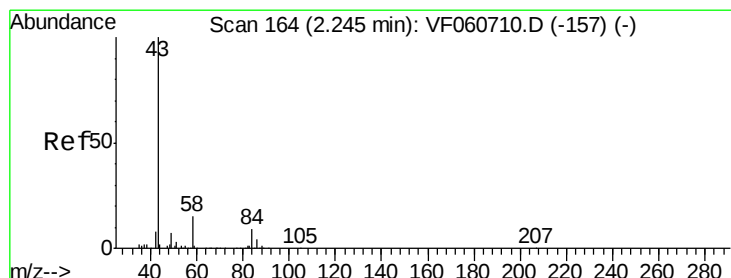
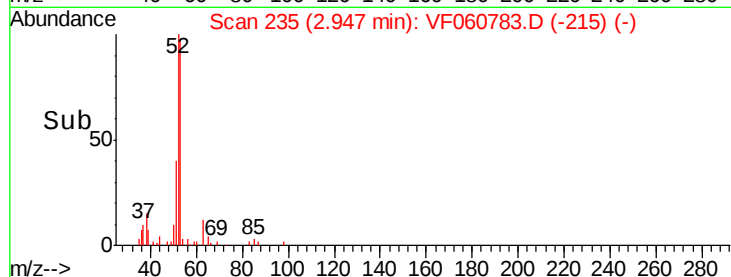
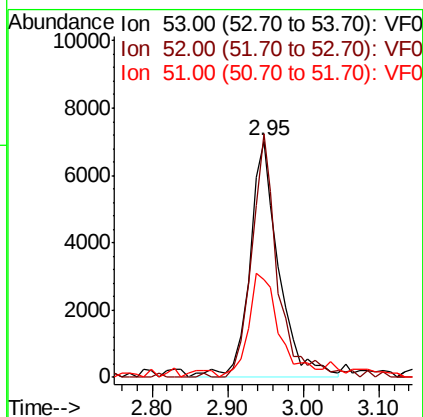
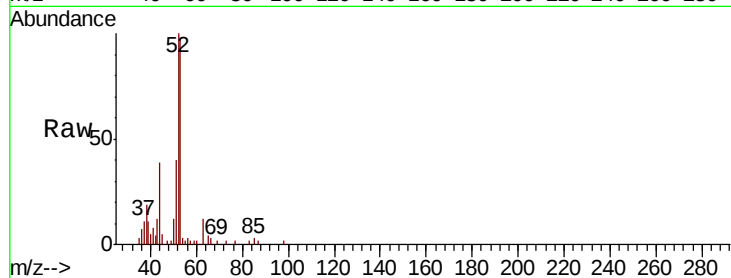
ClientSampleId :

VF1119SBS01

Tot Ion:	53	Resp:	18816
Ion	Ratio	Lower	Upper
53	100		
52	103.0	68.8	103.2
51	41.6	36.7	55.1

Manual Integrations
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#16

Acetone

Concen: 113.200 ug/l

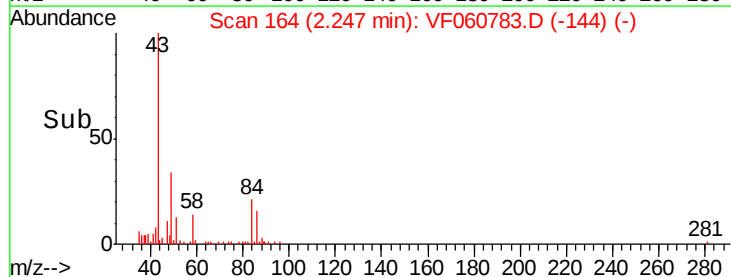
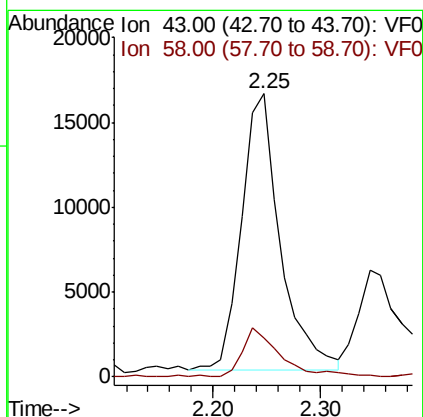
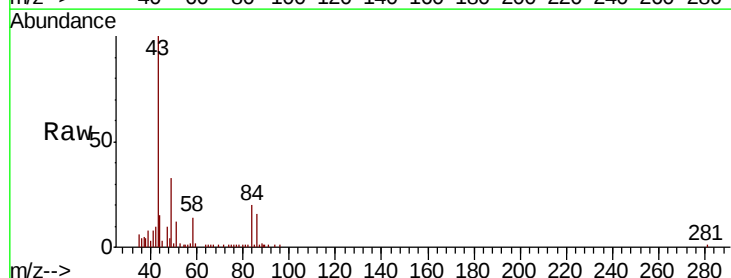
RT: 2.25 min Scan# 164

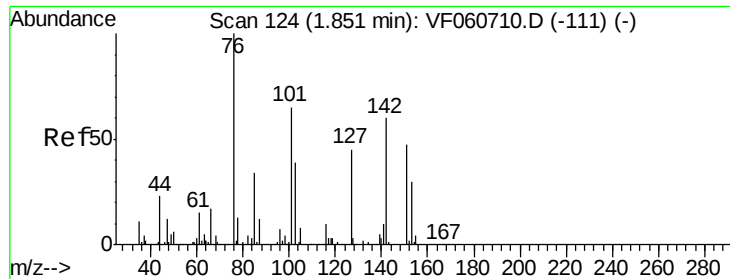
Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	43	Resp:	40520
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.6	17.4





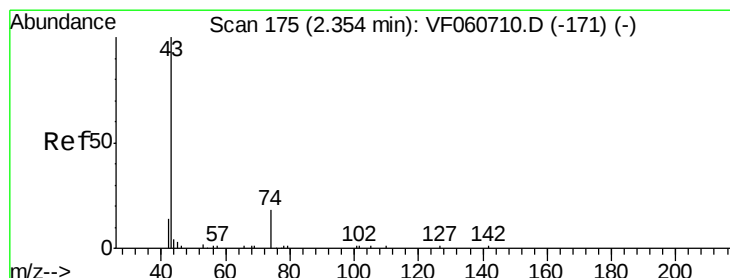
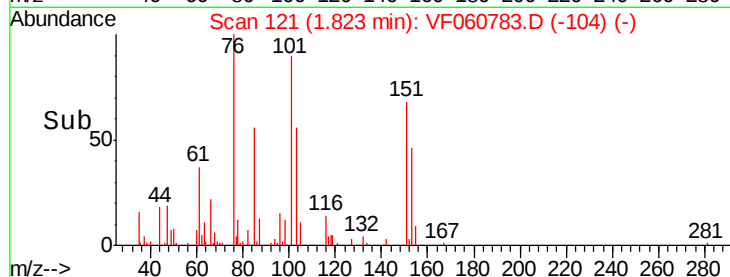
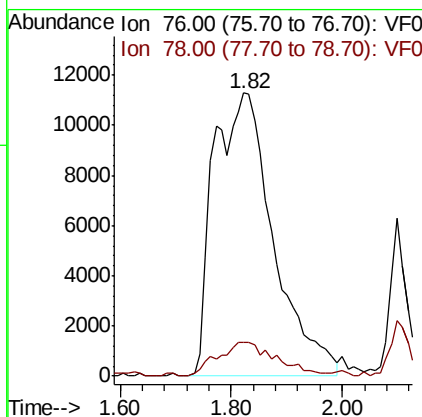
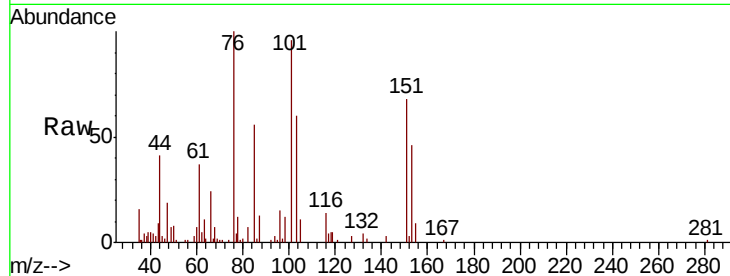
#17
Carbon Disulfide
Concen: 23.240 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 76 Resp: 84135
Ion Ratio Lower Upper
76 100
78 11.9 10.5 15.7

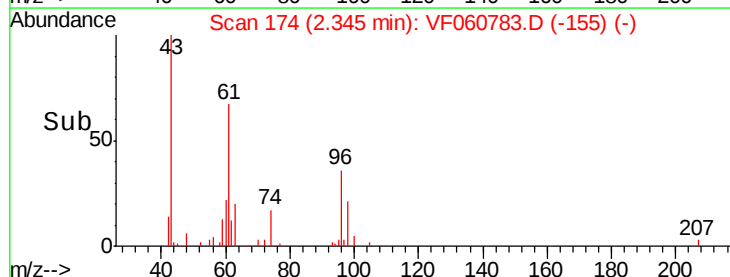
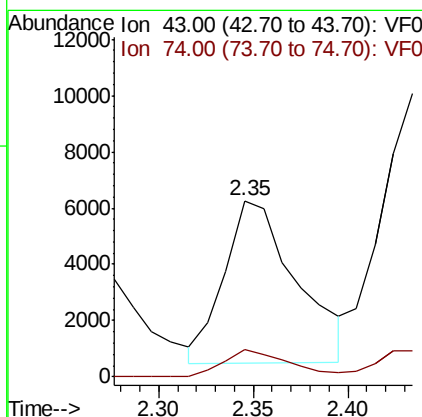
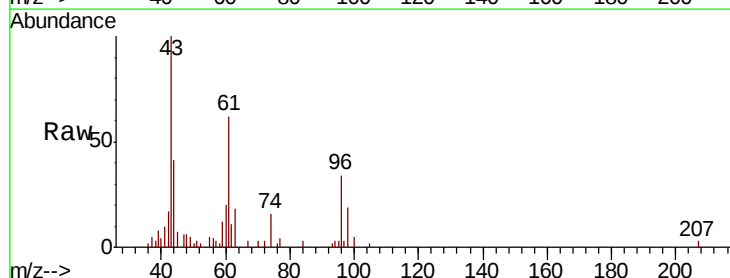
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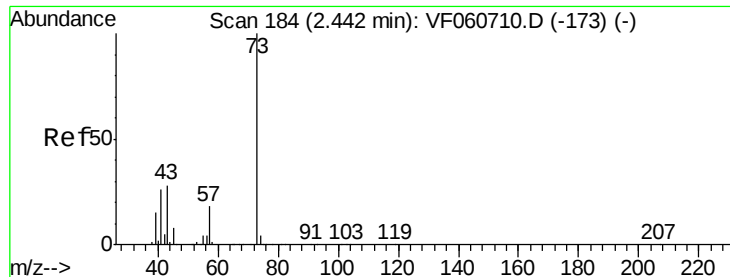
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#18
Methyl Acetate
Concen: 26.017 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 43 Resp: 15292
Ion Ratio Lower Upper
43 100
74 15.8 11.8 17.8





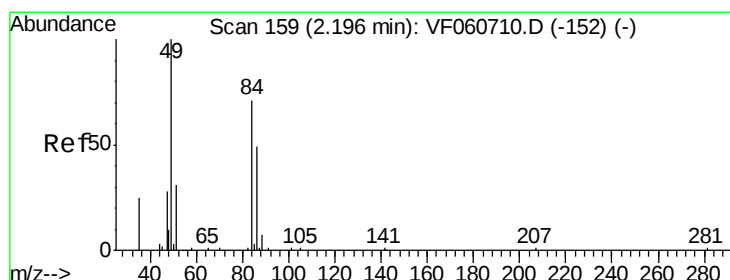
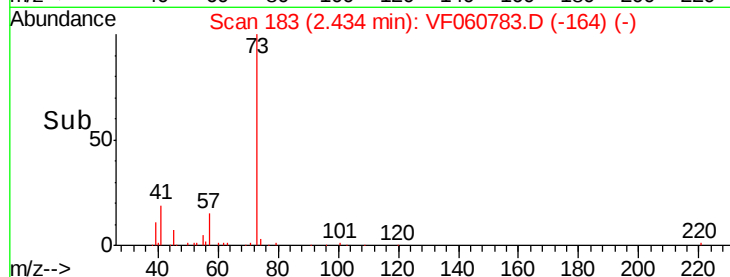
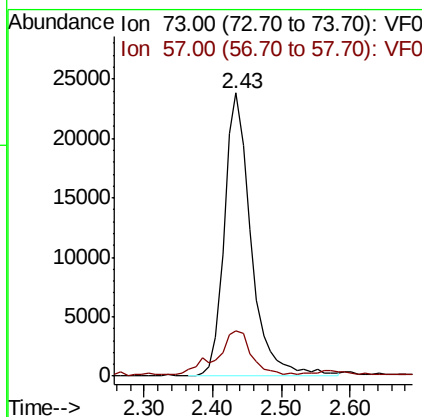
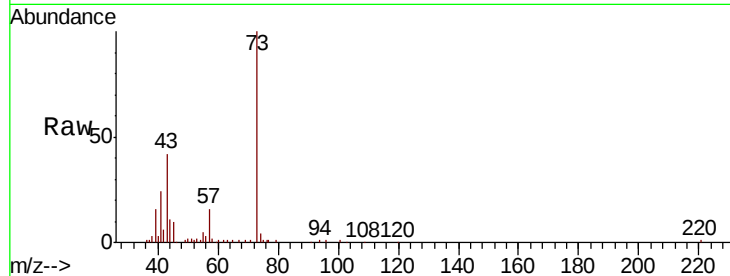
#19
Methvl tert-butvl Ether
Concen: 22.271 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.8	14.3	21.5

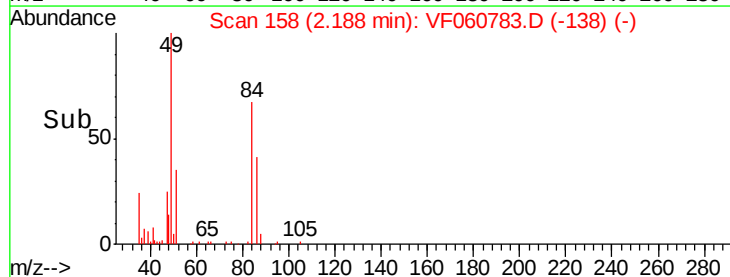
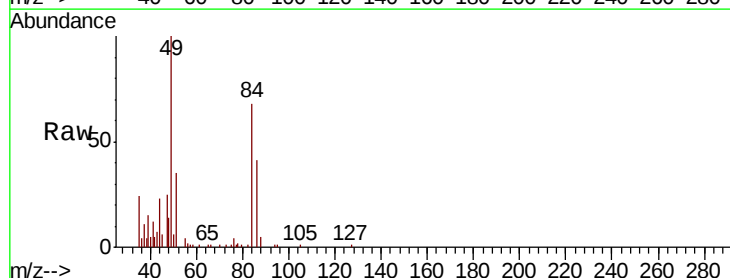
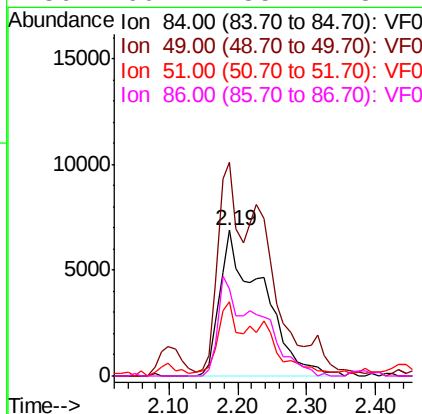
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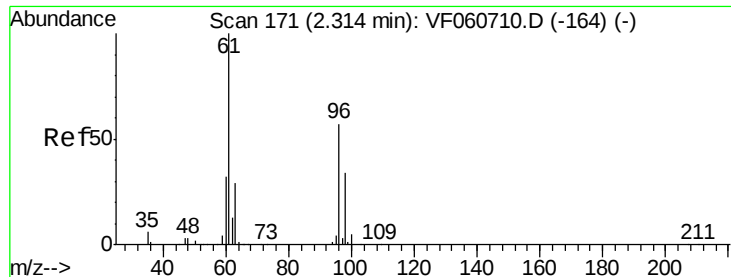
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#20
Methylene Chloride
Concen: 23.363 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.0	120.2	180.4
51	51.0	37.2	55.8
86	60.2	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 23.770 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

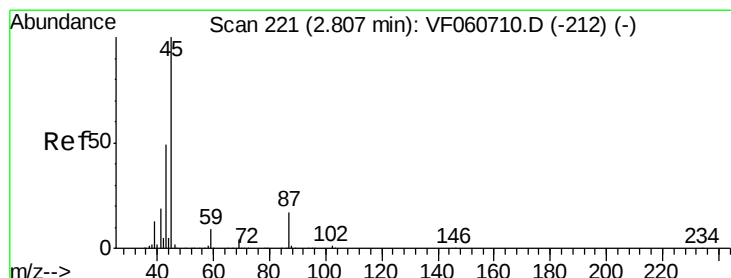
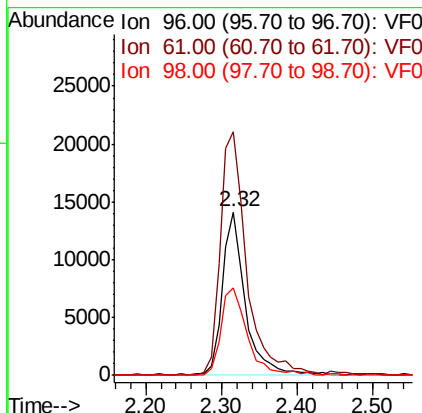
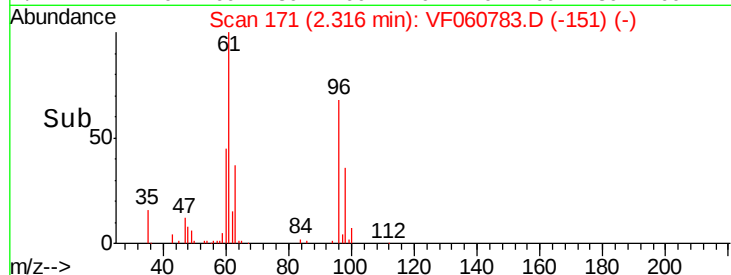
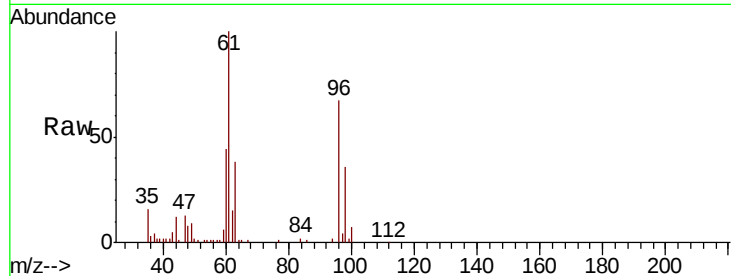
ClientSampleId :

VF1119SBS01

Tot Ion:	96	Resp:	29747
Ion	Ratio	Lower	Upper
96	100		
61	149.0	141.6	212.4
98	53.4	47.4	71.0

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#22

Diisopropyl ether

Concen: 22.556 ug/l

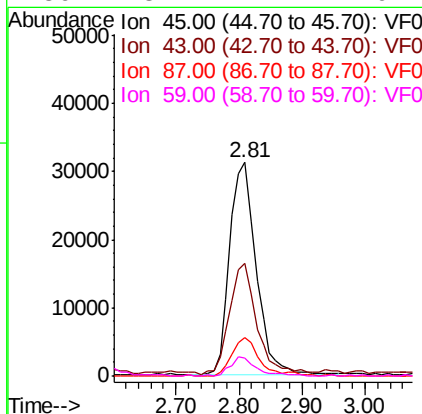
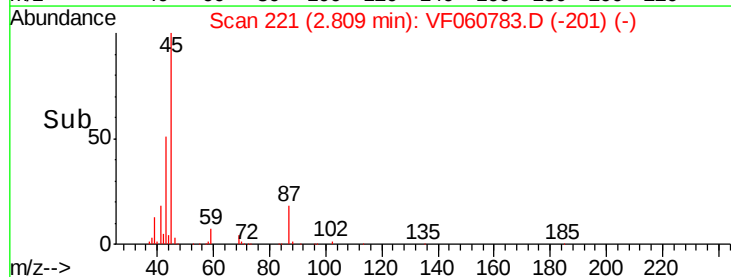
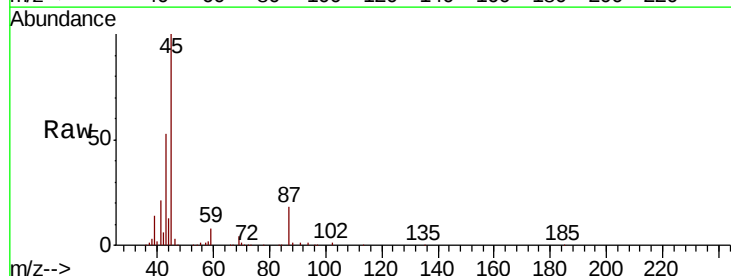
RT: 2.81 min Scan# 221

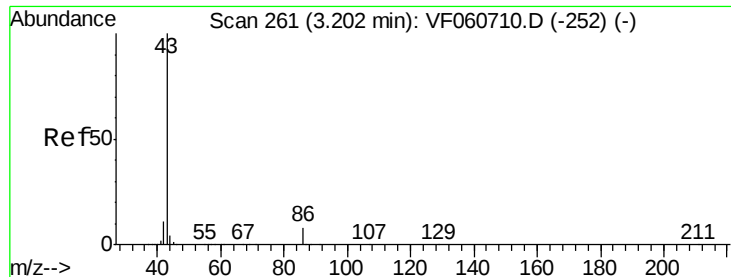
Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	45	Resp:	91384
Ion	Ratio	Lower	Upper
45	100		
43	52.8	39.9	59.9
87	18.2	13.9	20.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 114.949 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 219296

Ion Ratio Lower Upper

43 100

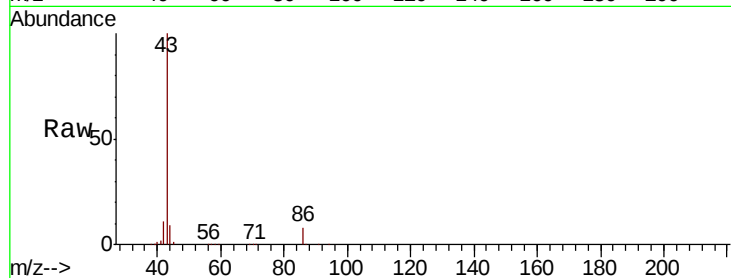
86 7.8 6.4 9.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

80000

60000

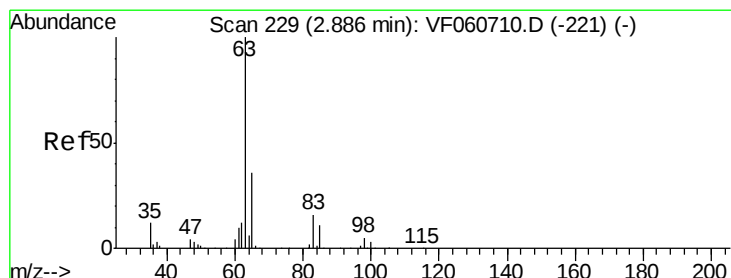
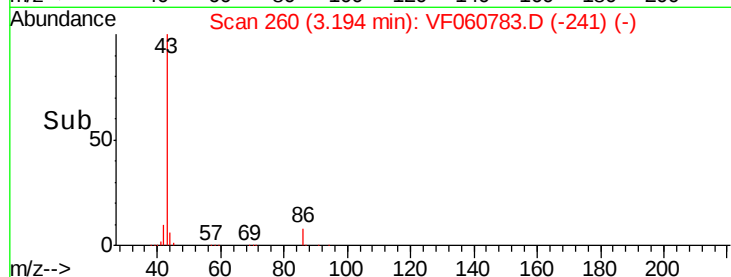
40000

20000

0

Time-->

3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 24.551 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

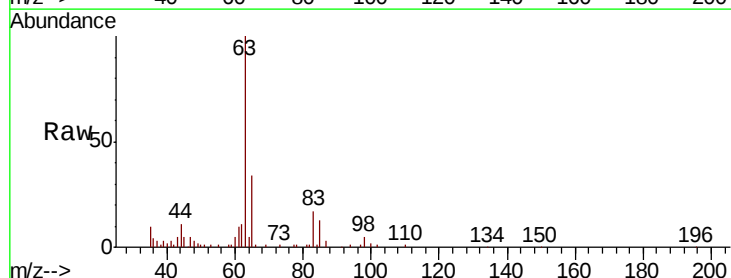
Tgt Ion: 63 Resp: 60218

Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 2.4 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.88

30000

25000

20000

15000

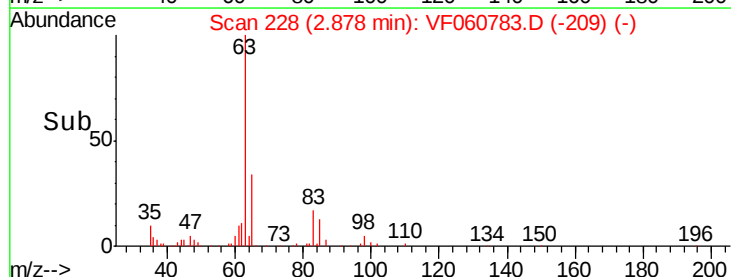
10000

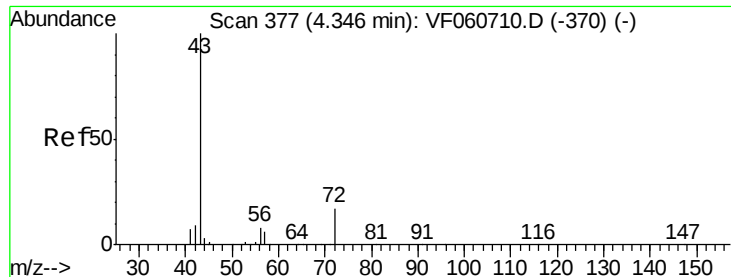
5000

0

Time-->

2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 106.212 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 62534

Ion Ratio Lower Upper

43 100

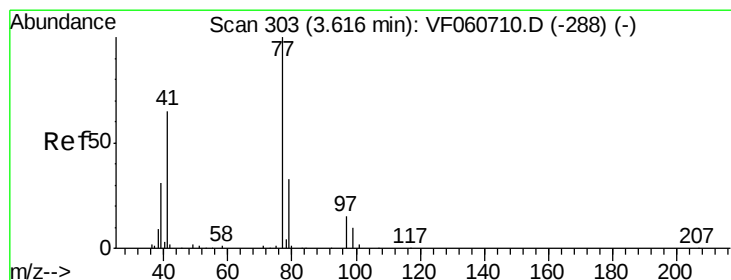
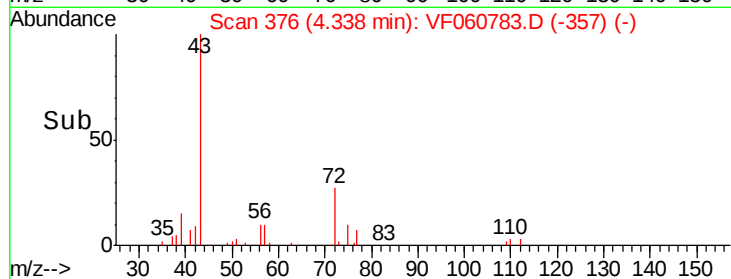
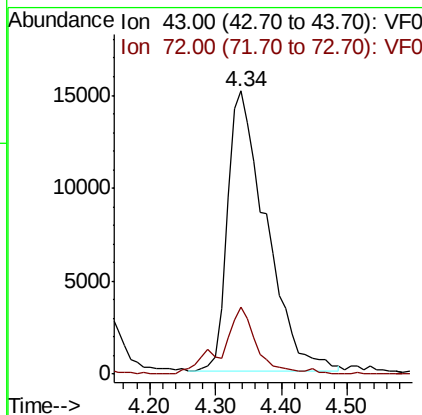
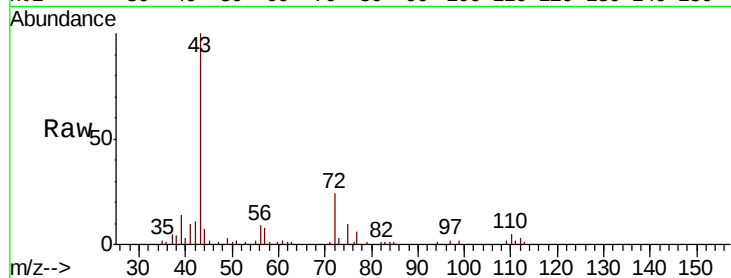
72 23.8 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.329 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060783.D

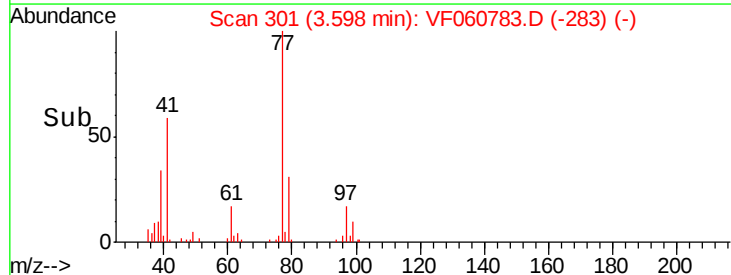
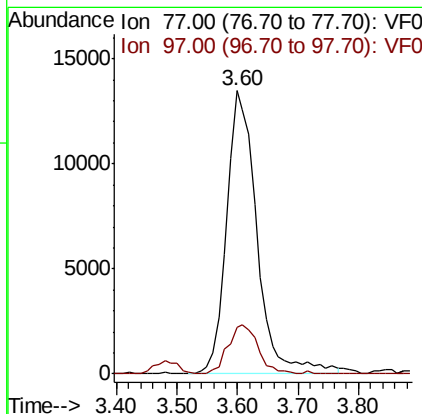
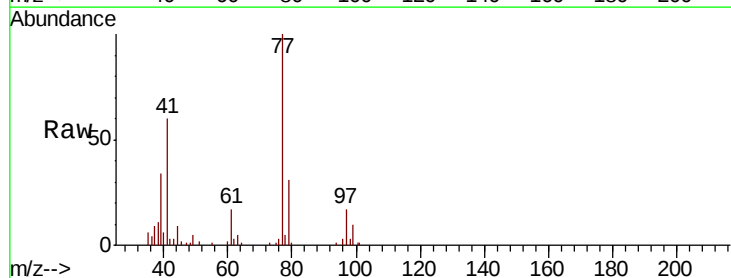
Acq: 19 Nov 2018 18:06

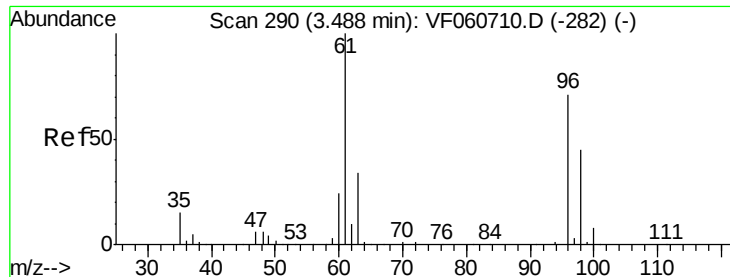
Tgt Ion: 77 Resp: 46959

Ion Ratio Lower Upper

77 100

97 16.6 8.8 26.5





#27

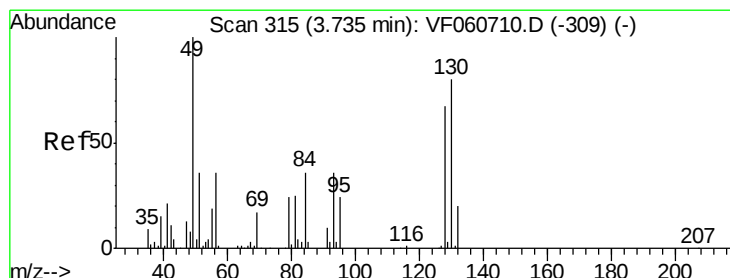
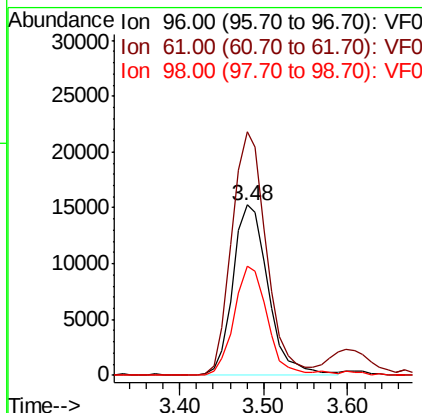
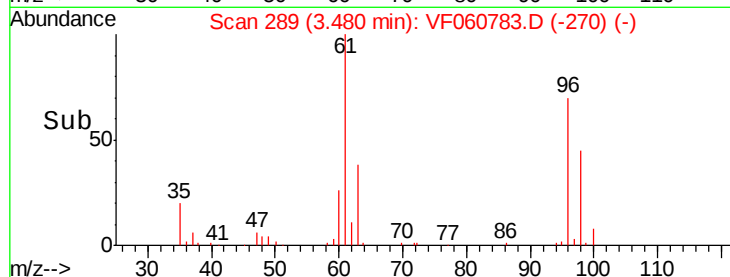
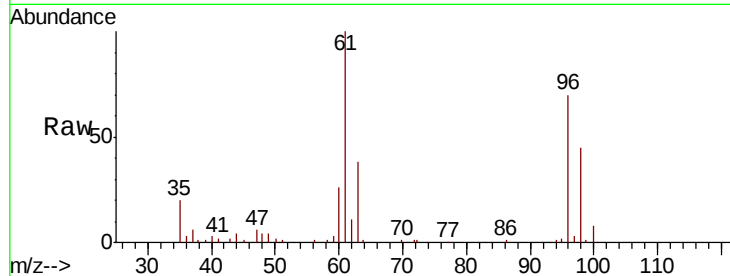
cis-1,2-Dichloroethene
Concen: 21.043 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	44798		
61	142.9		0.0	280.6
98	64.2		0.0	127.6

Manual Integrations
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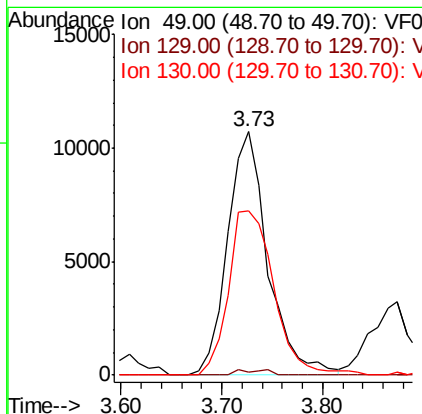
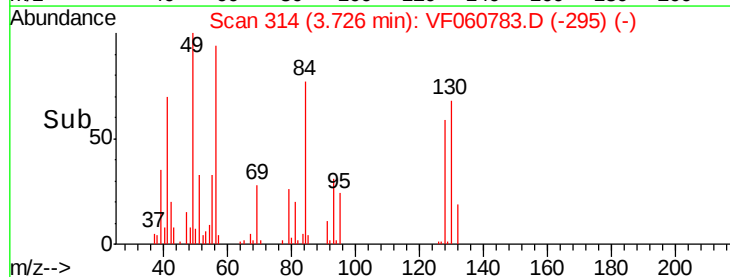
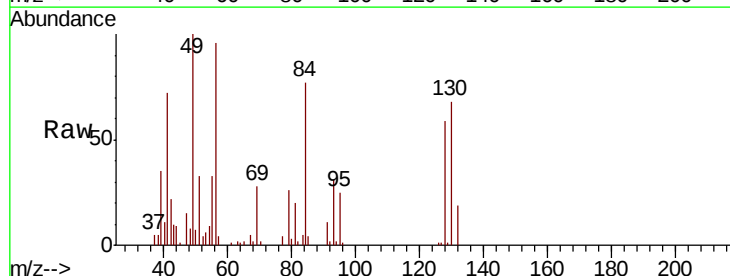
apatel
11/20/2018 12:02:26 PM

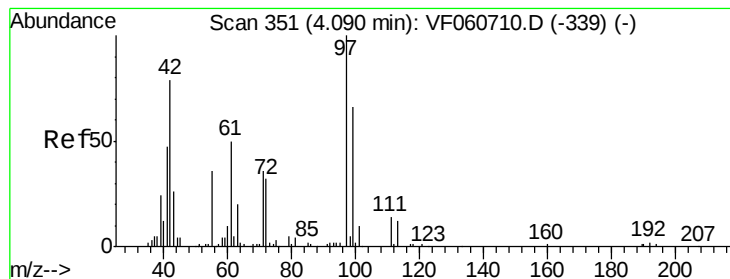


#28

Bromochloromethane
Concen: 23.377 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29799		
129	1.5		0.0	5.2
130	67.6		63.9	95.9





#29

Tetrahydrofuran

Concen: 112.334 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

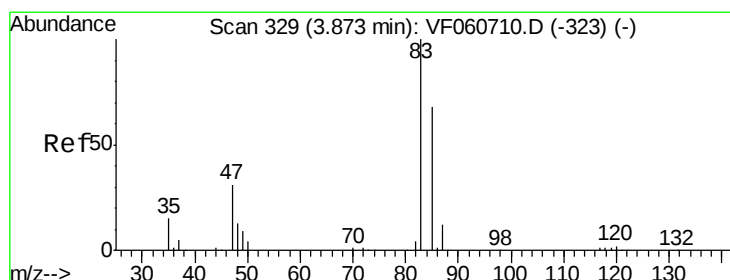
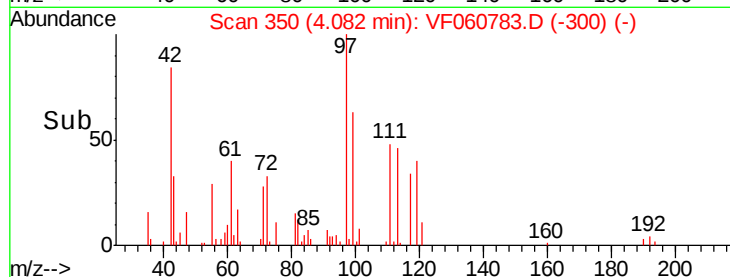
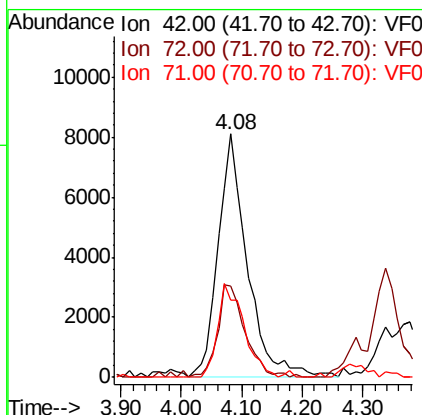
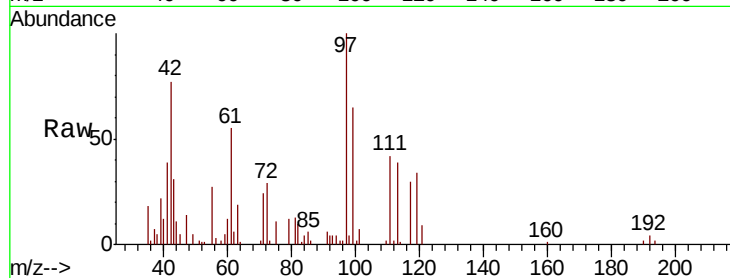
ClientSampleId :

VF1119SBS01

Tot Ion:	42	Resp:	27281
Ion Ratio	Lower	Upper	
42	100		
72	35.8	30.3	45.5
71	34.4	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 22.392 ug/l

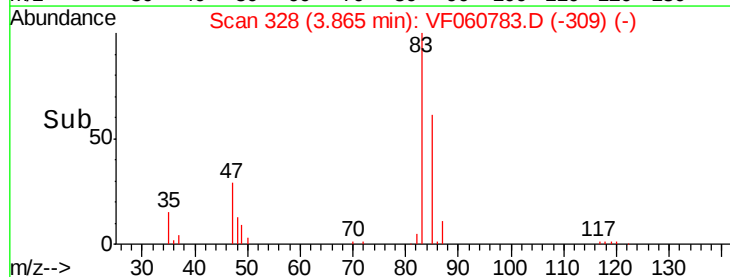
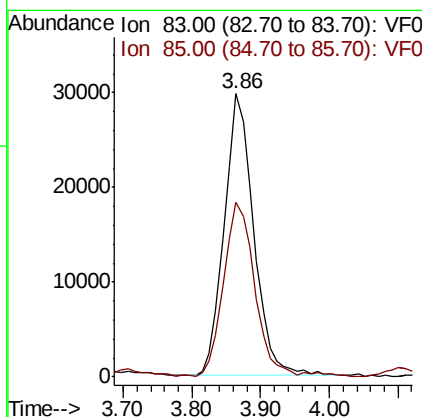
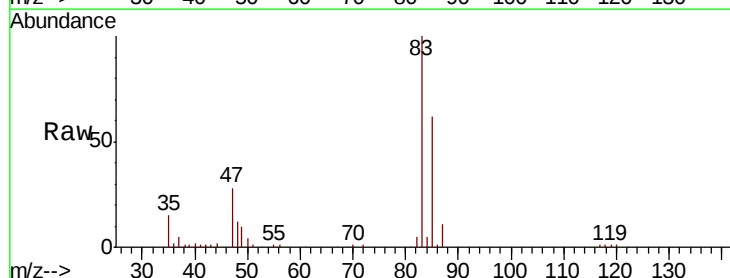
RT: 3.86 min Scan# 328

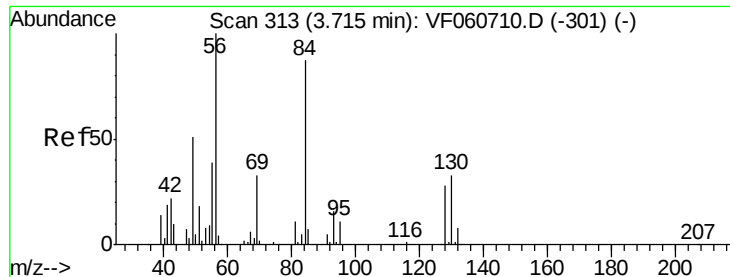
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	83	Resp:	88119
Ion Ratio	Lower	Upper	
83	100		
85	61.6	54.6	82.0





#31

Cyclohexane

Concen: 20.712 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

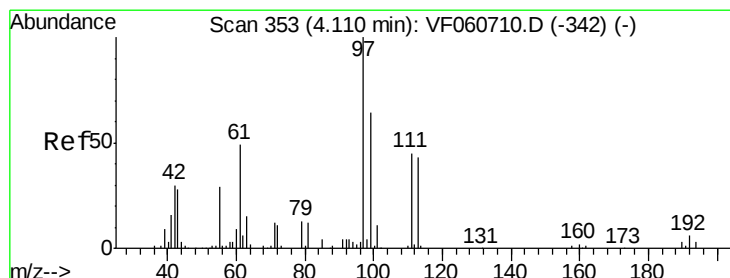
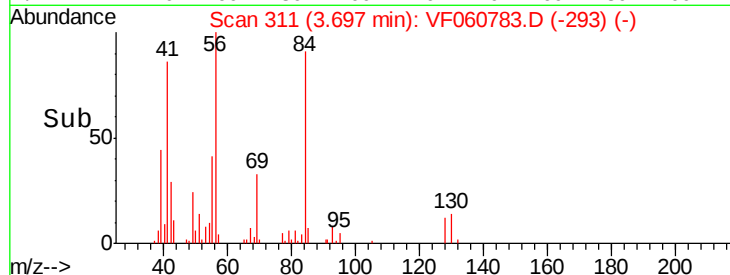
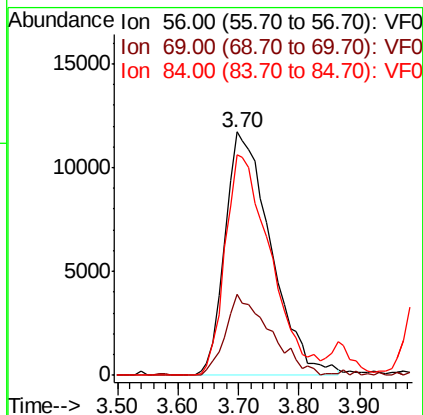
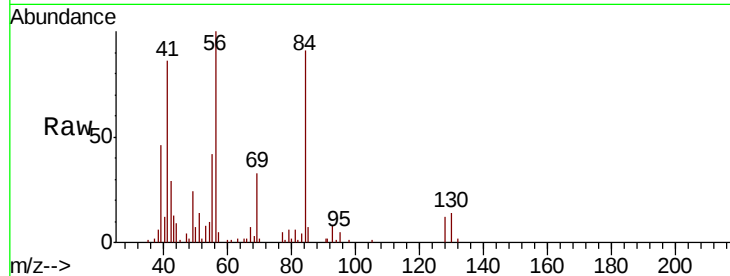
ClientSampleId :

VF1119SBS01

Tot Ion:	56	Resp:	61658
Ion Ratio	Lower	Upper	
56	100		
69	33.5	26.0	39.0
84	90.8	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.717 ug/l

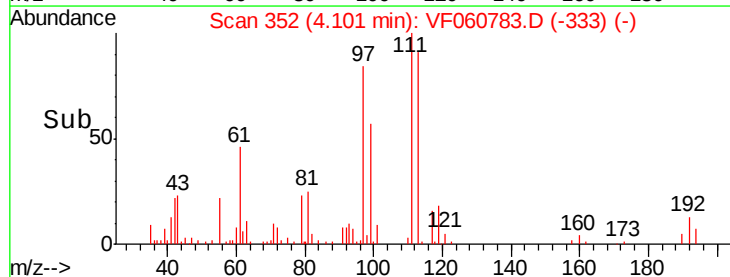
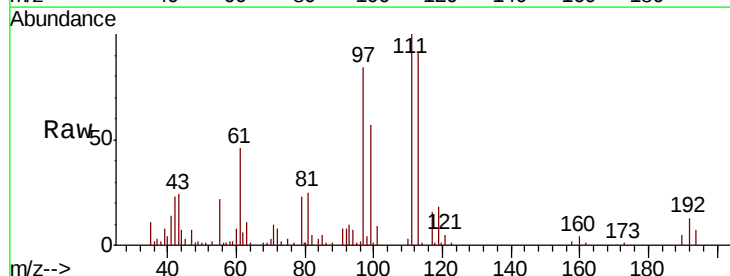
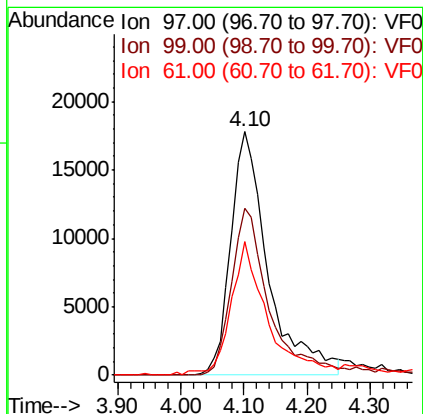
RT: 4.10 min Scan# 352

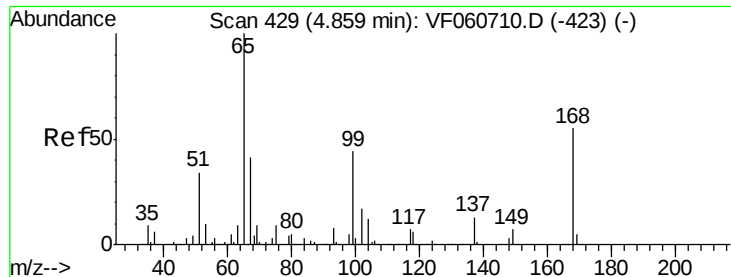
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	97	Resp:	73500
Ion Ratio	Lower	Upper	
97	100		
99	68.6	51.1	76.7
61	54.9	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 50.847 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 65 Resp: 85153

Ion Ratio Lower Upper

65 100

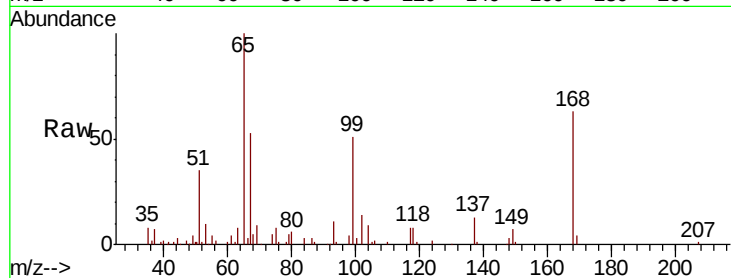
67 52.5 0.0 90.2

Manual Integrations

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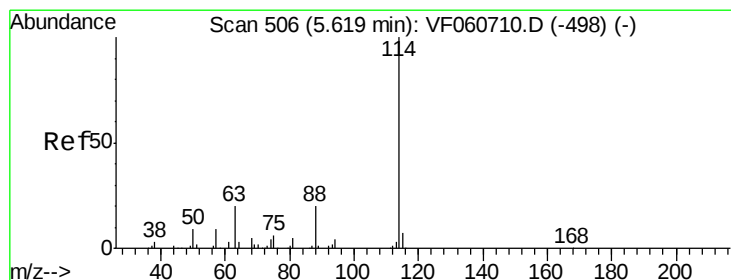
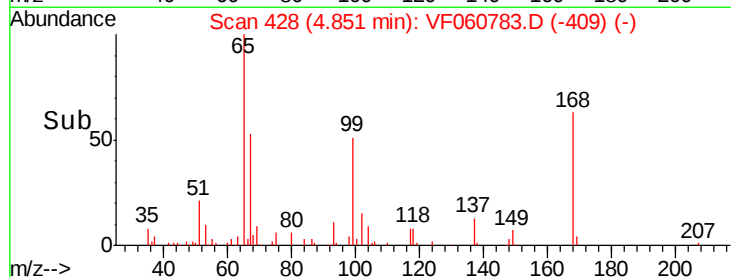
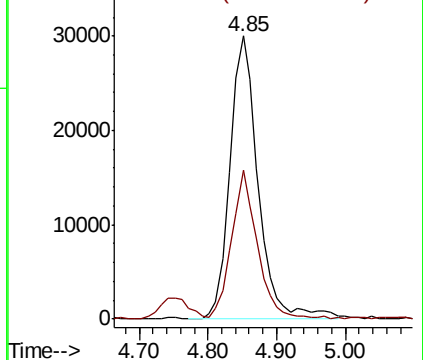
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

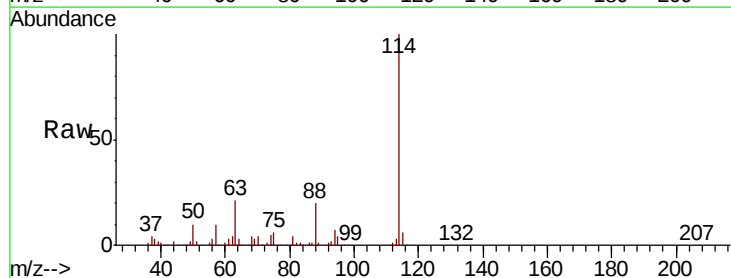
Tgt Ion: 114 Resp: 259811

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

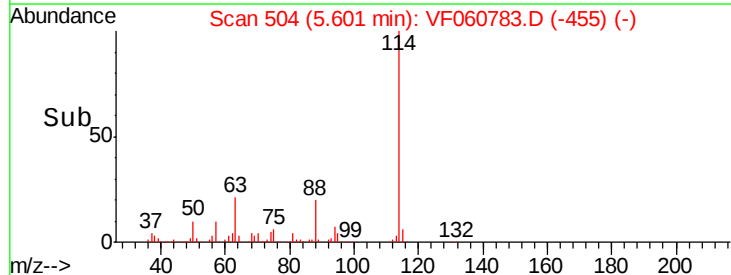
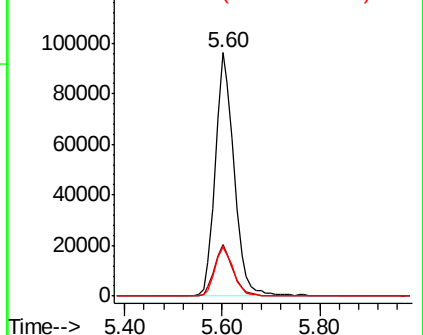
88 20.1 0.0 39.6

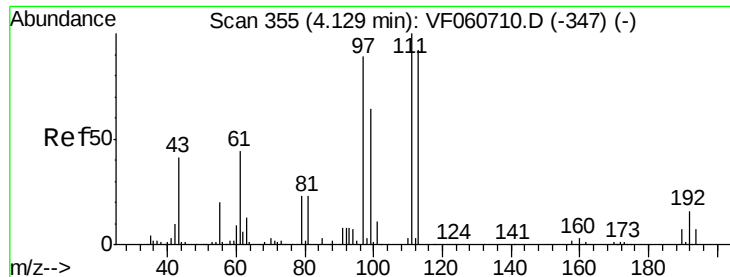


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





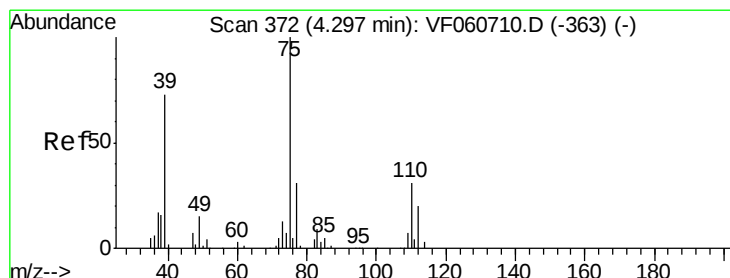
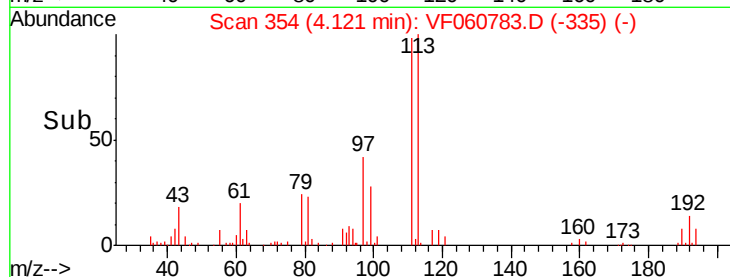
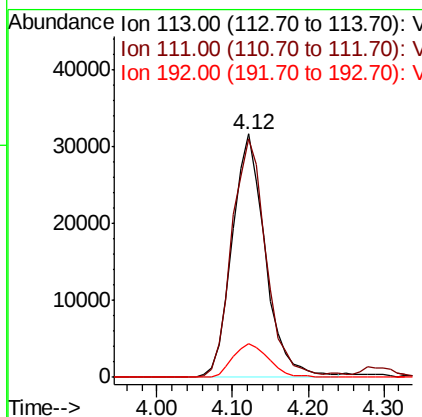
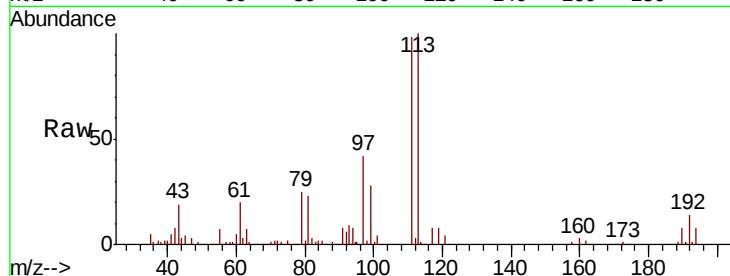
#35
Dibromofluoromethane
Concen: 49.238 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	87.1	130.7
192	14.0	13.8	20.6

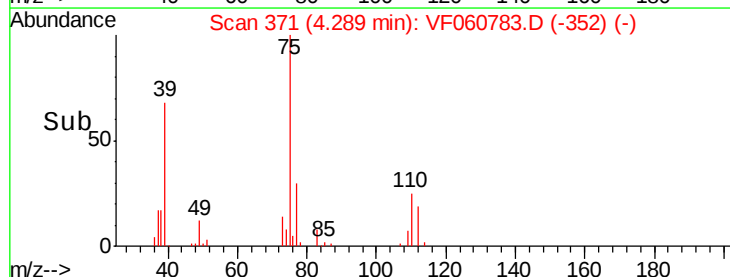
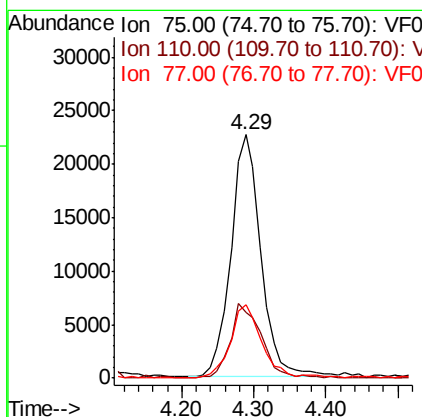
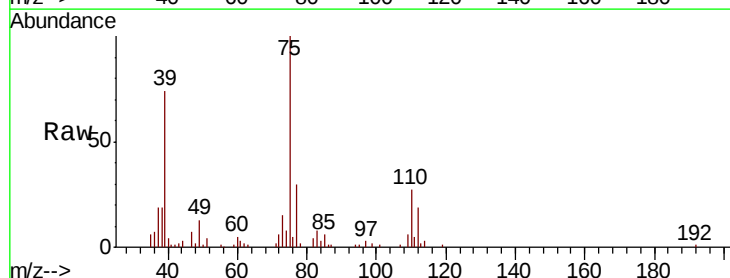
Manual Integrations
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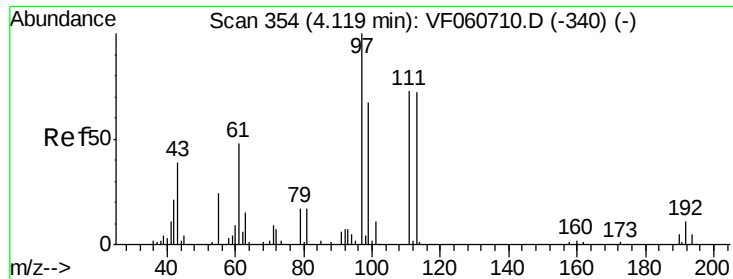
apatel
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#36
1,1-Dichloropropene
Concen: 21.787 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.1	15.6	46.8
77	29.9	25.0	37.6





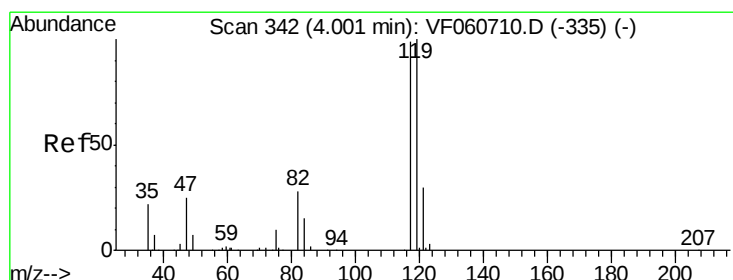
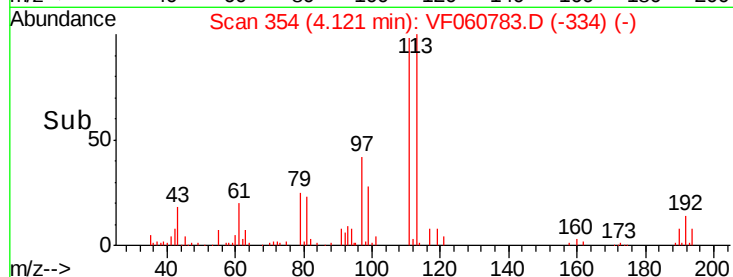
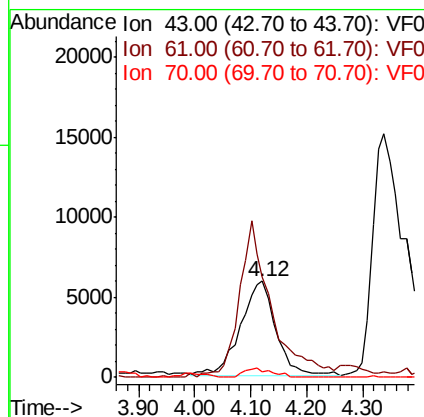
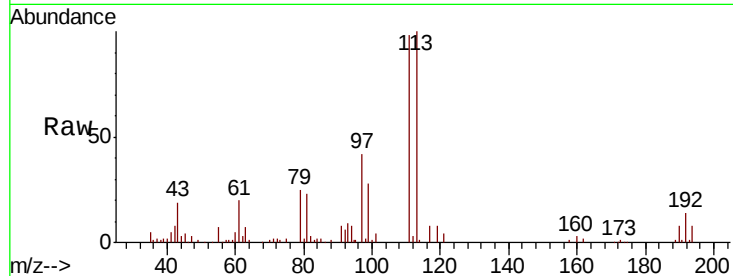
#37
Ethyl Acetate
Concen: 22.834 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	43	61	70	Ratio	100	104.6	5.8	Resp	25580	Lower	Upper
43	100										
61		104.6				98.5			147.7		
70			5.8			7.4			11.0		

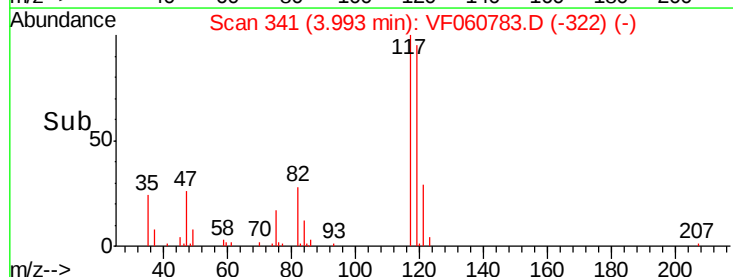
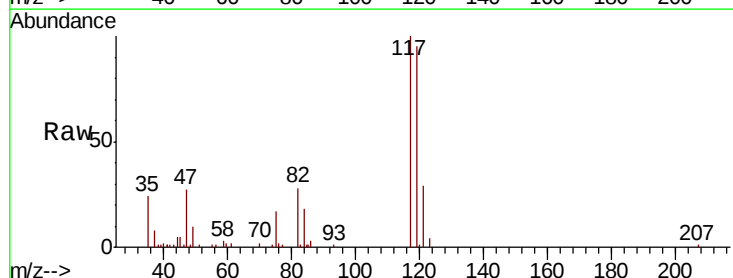
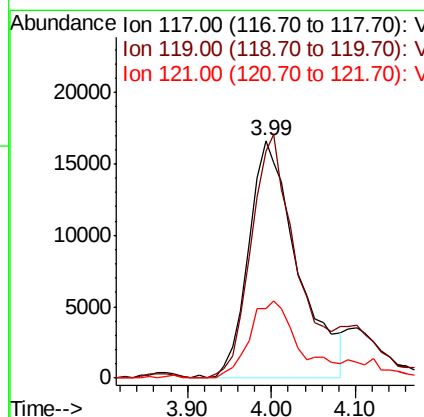
Manual Integrations
APPROVED

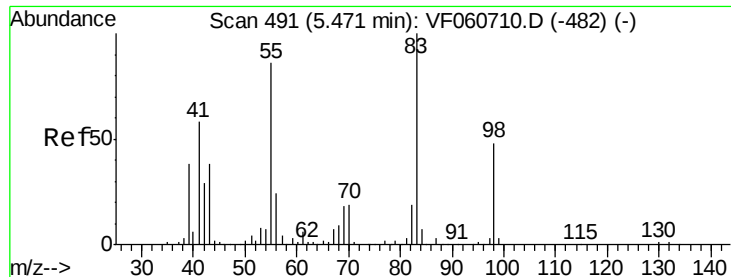
apatel
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#38
Carbon Tetrachloride
Concen: 23.166 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	117	119	121	Ratio	100	95.4	29.0	Resp	67732	Lower	Upper
117	100										
119		95.4				80.7			121.1		
121			29.0			24.3			36.5		





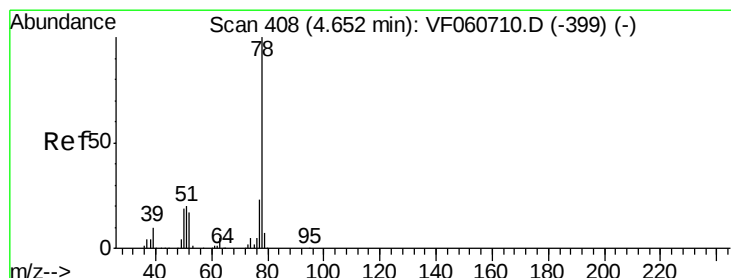
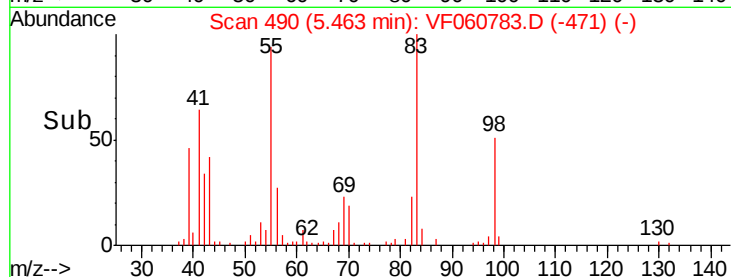
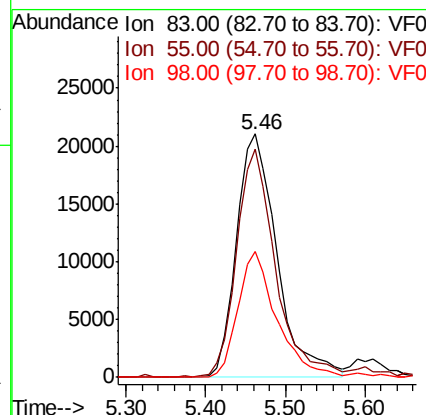
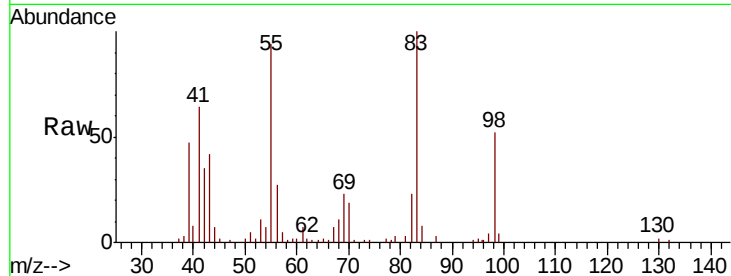
#39
Methvlcvclohexane
Concen: 21.323 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.9	69.0	103.4
98	51.7	38.5	57.7

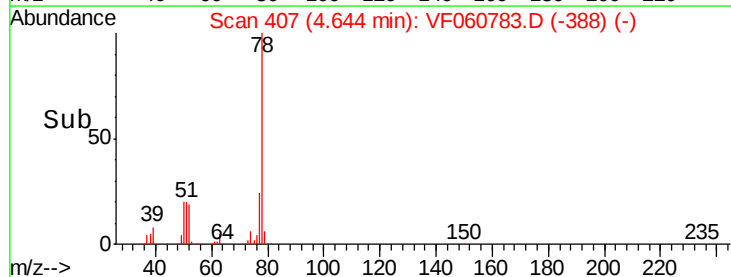
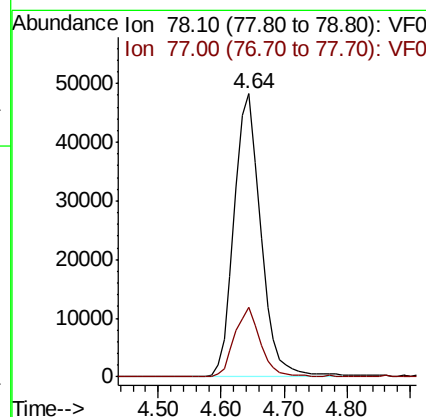
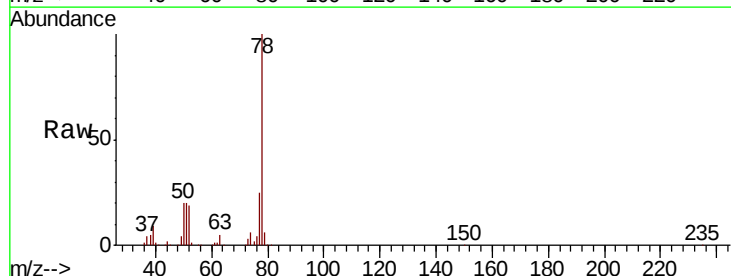
Manual Integrations
APPROVED

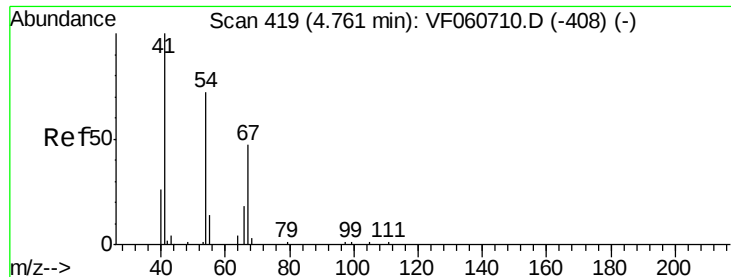
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#40
Benzene
Concen: 21.193 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0





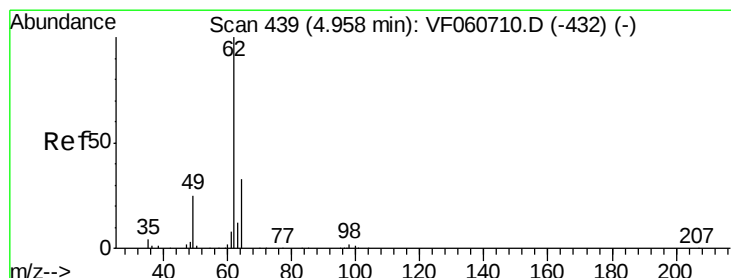
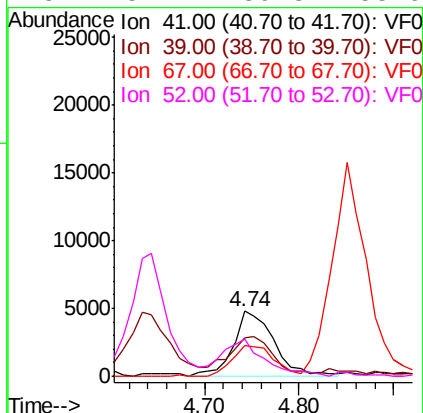
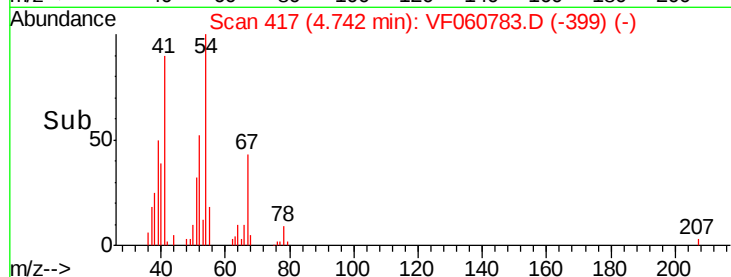
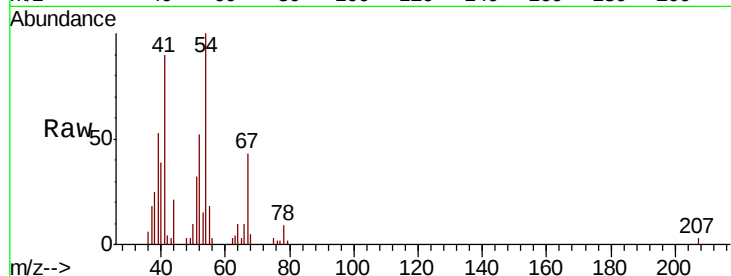
#41
Methacrylonitrile
Concen: 21.578 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.1	70.7
67	47.5	37.1	55.7
52	57.4	39.3	58.9

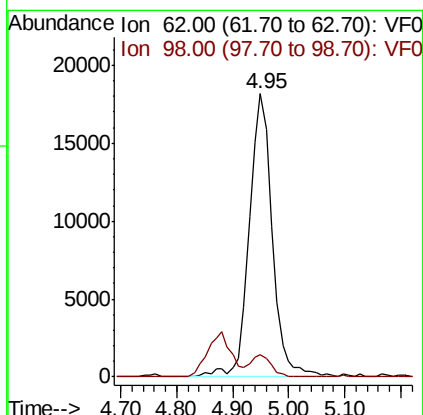
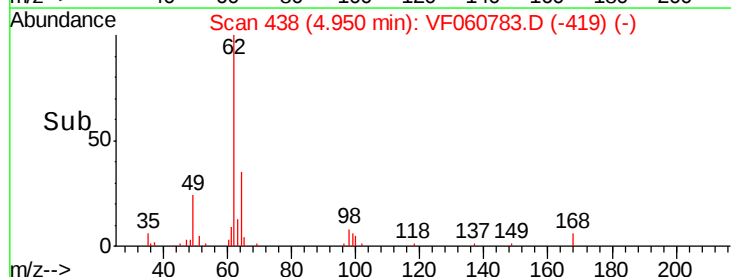
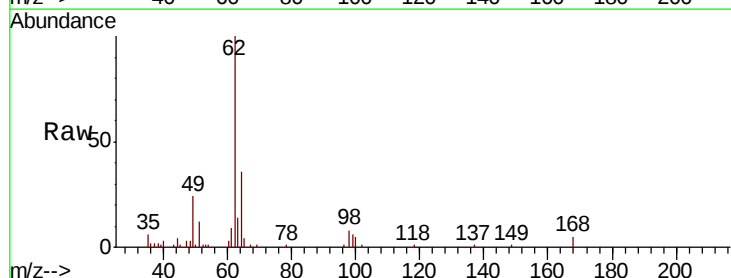
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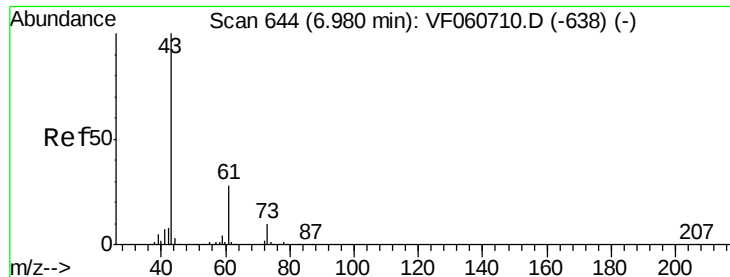
apatel
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#42
1,2-Dichloroethane
Concen: 22.373 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

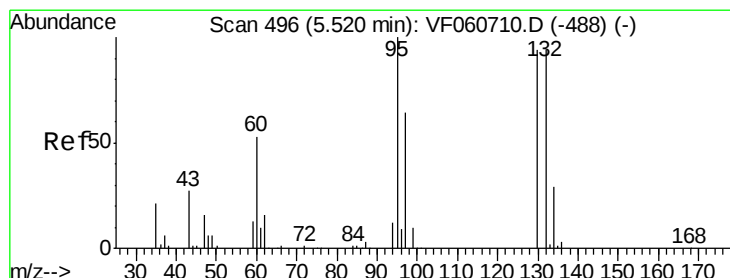
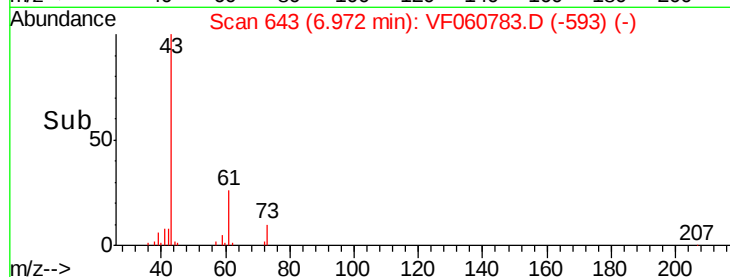
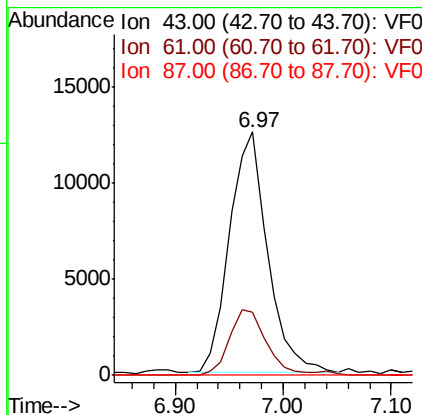
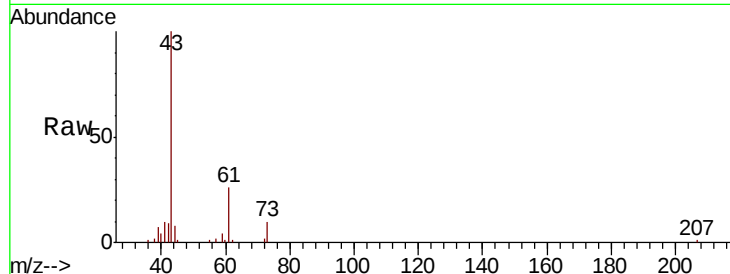
Isopropyl Acetate
 Concen: 20.688 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	22.2	33.4
87	0.0	0.4	0.6

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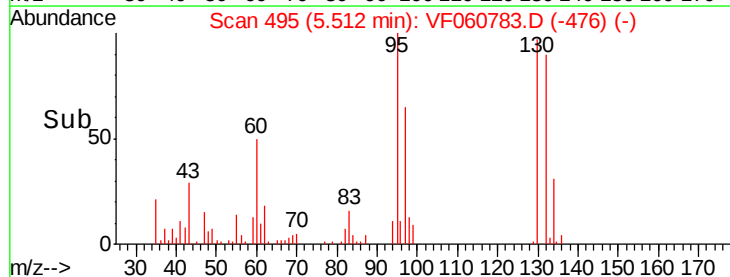
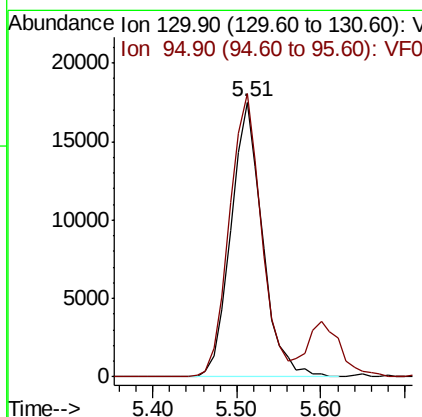
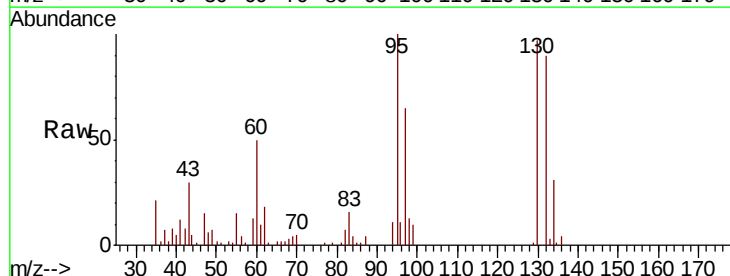
apatel
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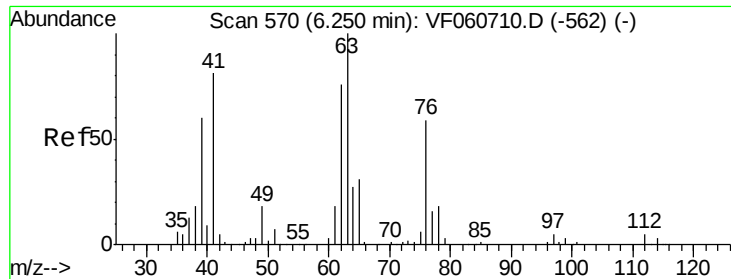


#44

Trichloroethene
 Concen: 21.512 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	212.6





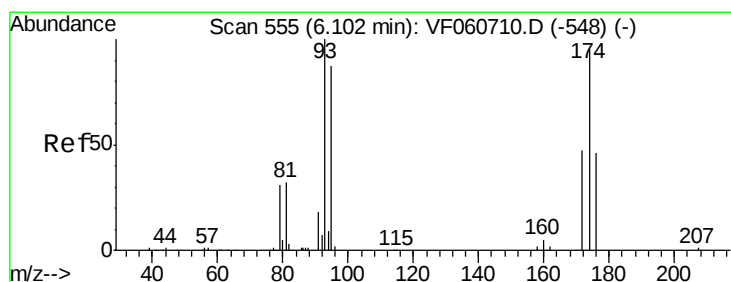
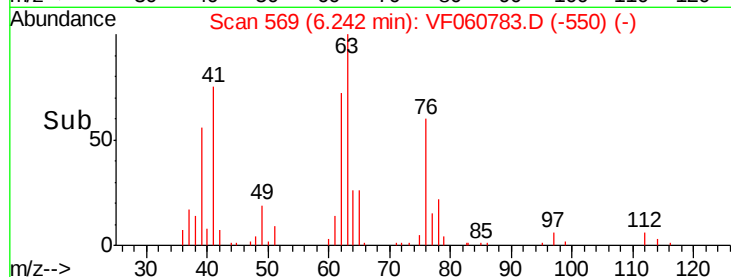
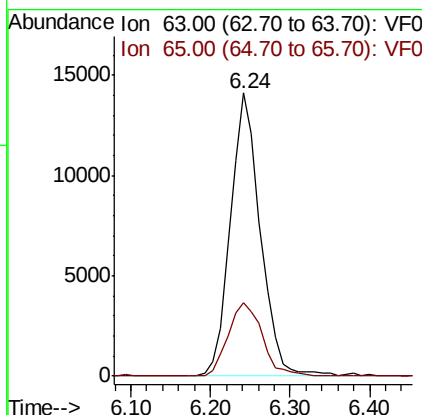
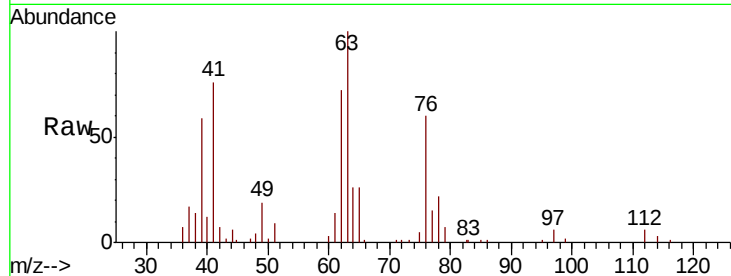
#45
 1,2-Dichloropropane
 Concen: 21.187 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion: 63 Resp: 37032
 Ion Ratio Lower Upper
 63 100
 65 26.1 24.6 36.8

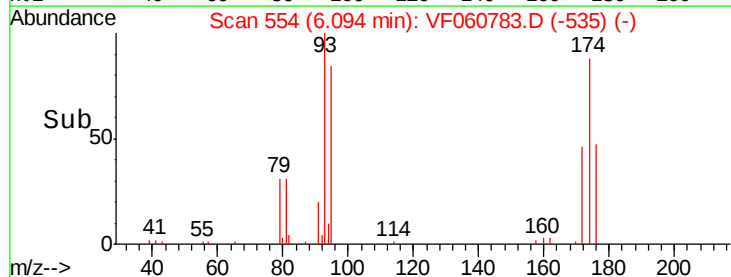
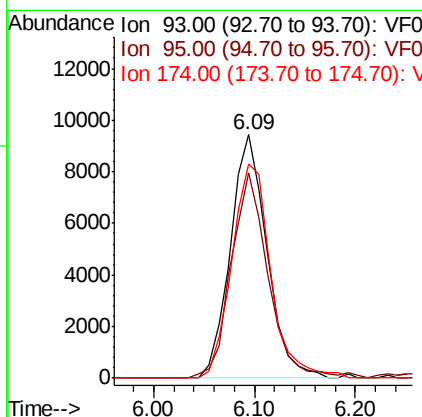
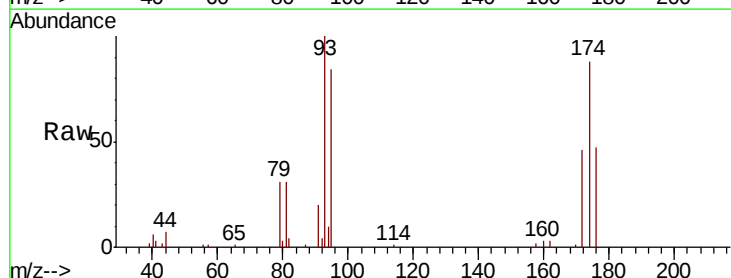
Manual Integrations
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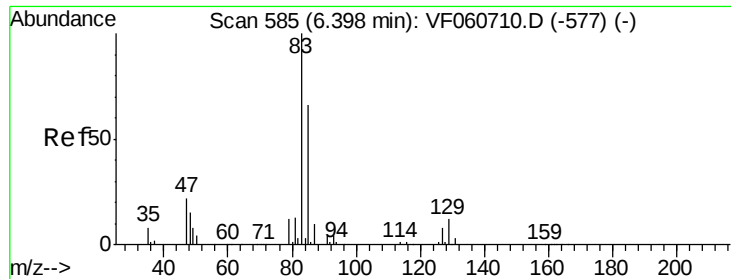
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#46
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion: 93 Resp: 23805
 Ion Ratio Lower Upper
 93 100
 95 84.2 69.5 104.3
 174 87.9 76.2 114.2





#47

Bromodichloromethane

Concen: 21.608 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

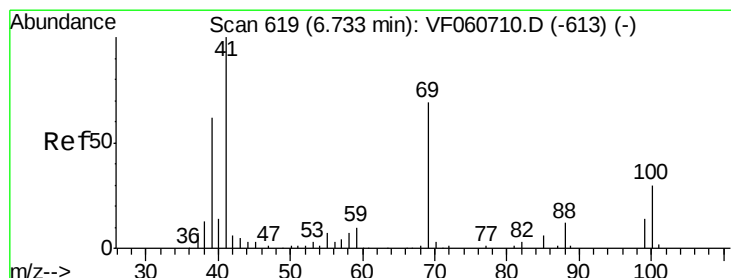
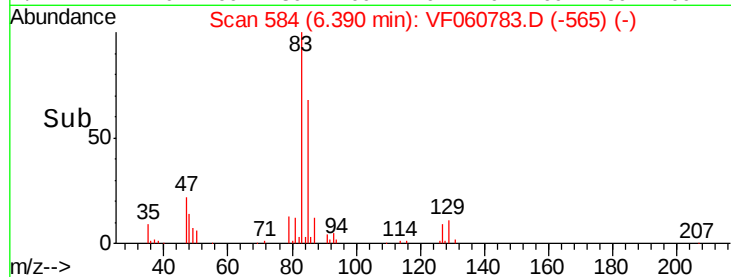
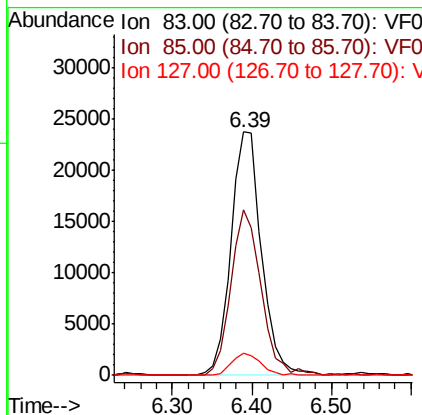
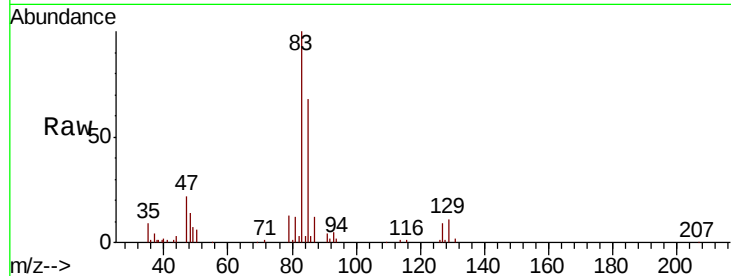
ClientSampleId :

VF1119SBS01

Tot Ion:	83	Resp:	63664
Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.4	78.6
127	9.0	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.802 ug/l

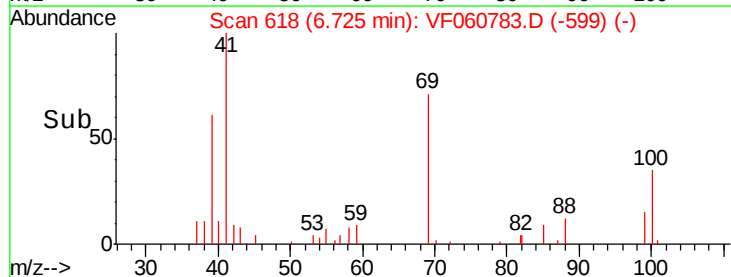
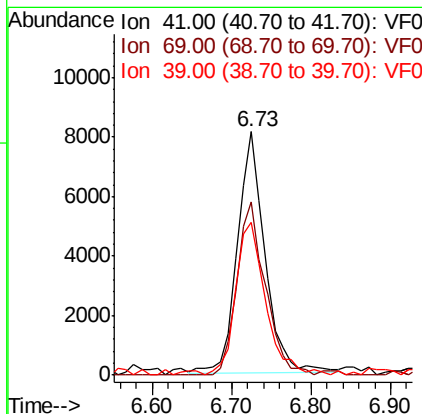
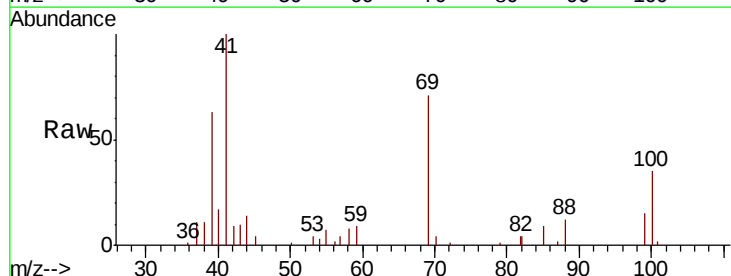
RT: 6.73 min Scan# 618

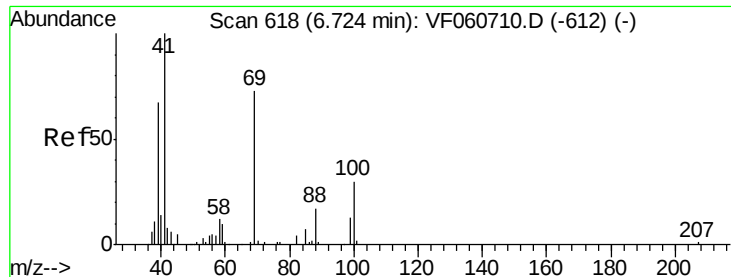
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	41	Resp:	19465
Ion	Ratio	Lower	Upper
41	100		
69	71.3	54.9	82.3
39	62.5	49.6	74.4





#49

1,4-Dioxane

Concen: 418.781 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

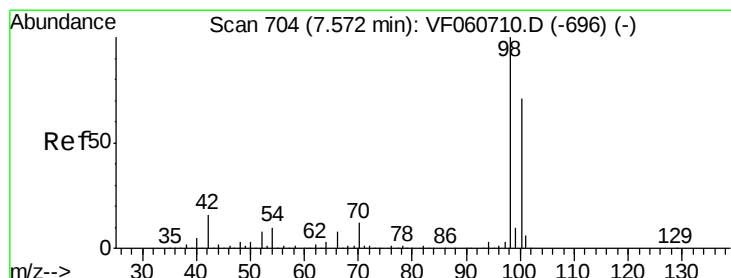
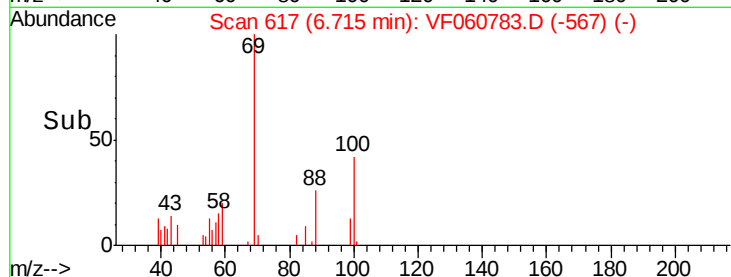
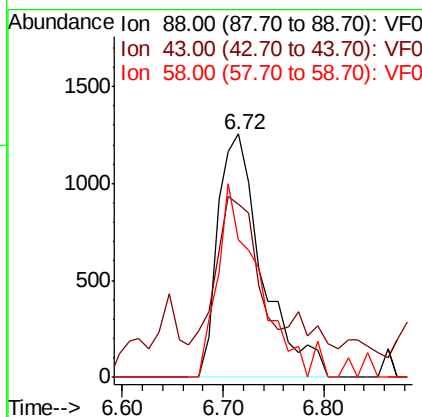
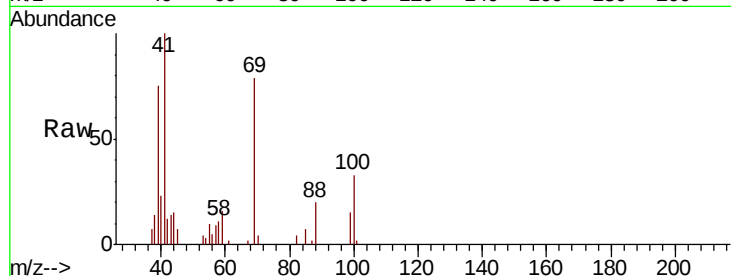
ClientSampleId :

VF1119SBS01

Tot Ion:	88	Resp:	3850
Ion	Ratio	Lower	Upper
88	100		
43	71.1	44.6	66.8#
58	56.6	54.5	81.7

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#50

Toluene-d8

Concen: 50.543 ug/l

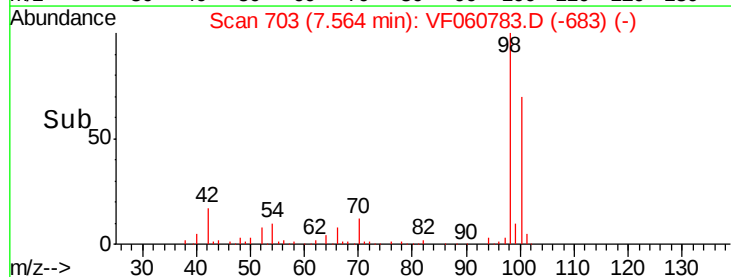
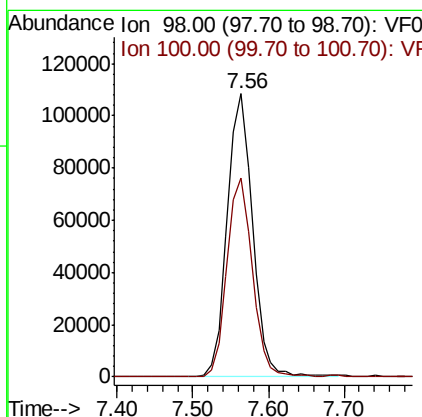
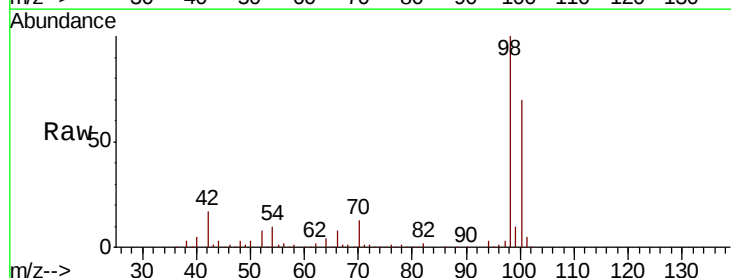
RT: 7.56 min Scan# 703

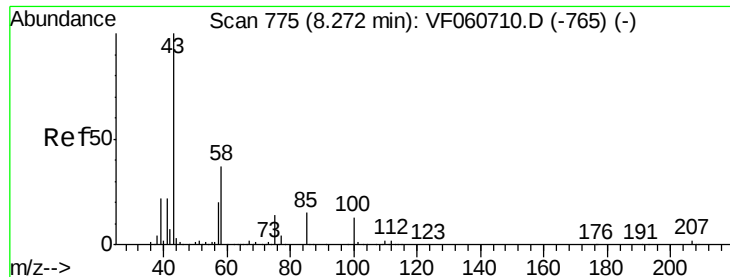
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	98	Resp:	253099
Ion	Ratio	Lower	Upper
98	100		
100	70.2	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 110.125 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 43 Resp: 118300

Ion Ratio Lower Upper

43 100

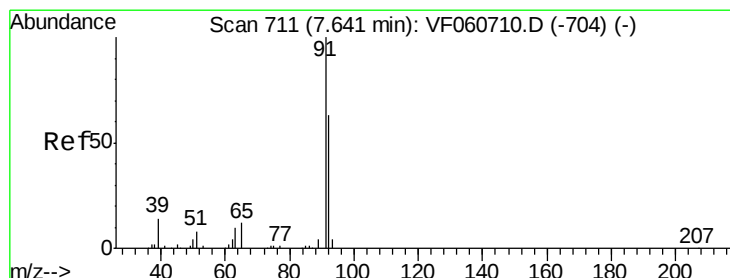
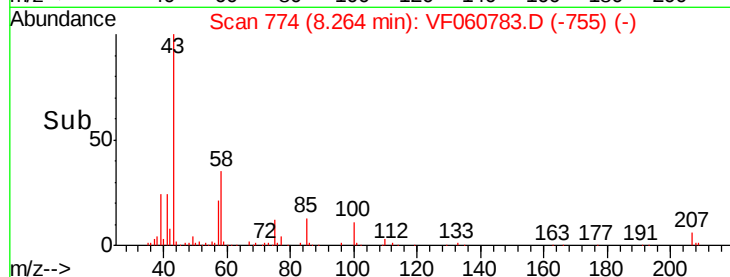
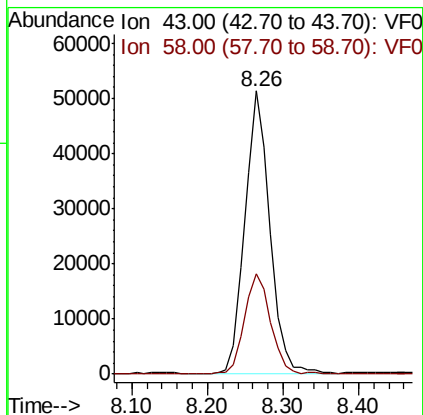
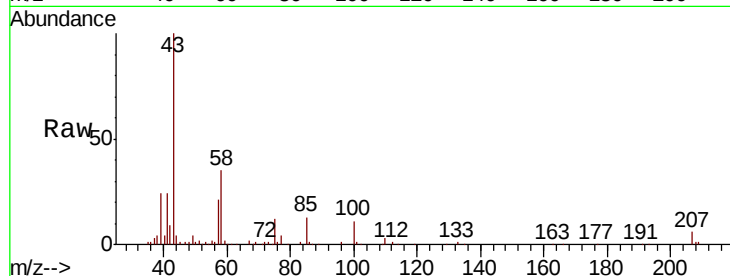
58 35.3 29.2 43.8

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#52

Toluene

Concen: 21.251 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060783.D

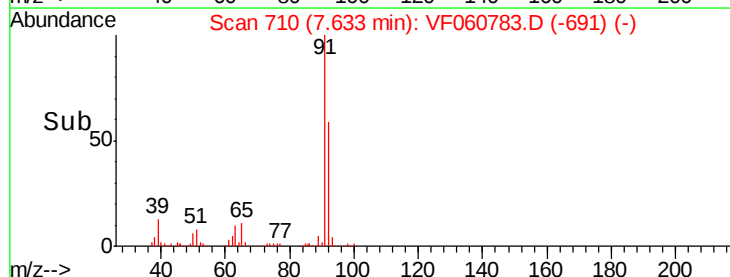
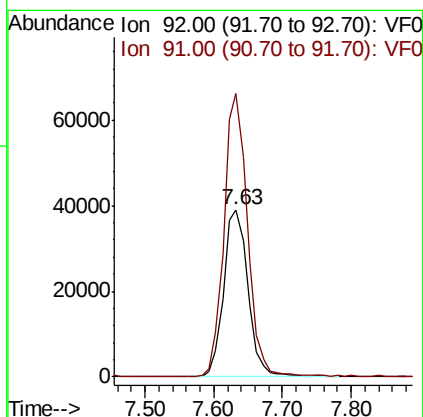
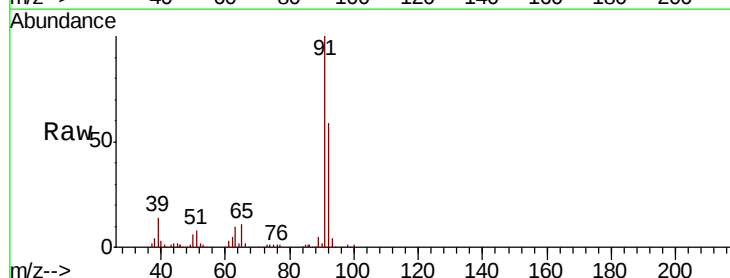
Acq: 19 Nov 2018 18:06

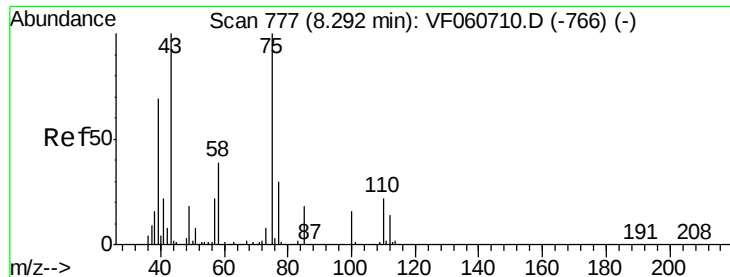
Tgt Ion: 92 Resp: 95652

Ion Ratio Lower Upper

92 100

91 169.2 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 20.808 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 75 Resp: 49102

Ion Ratio Lower Upper

75 100

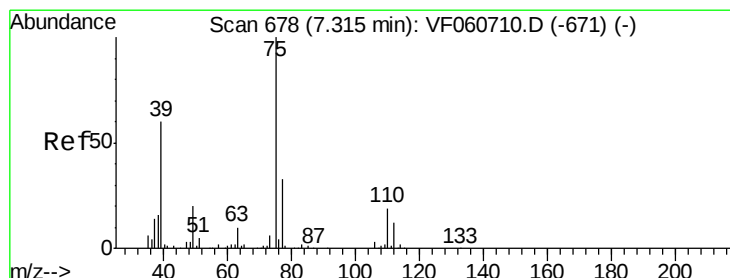
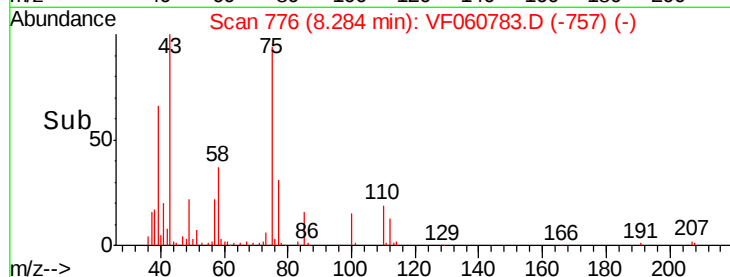
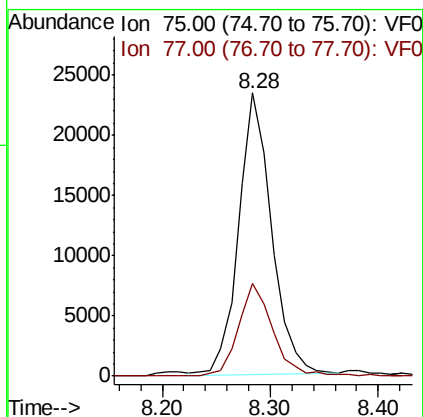
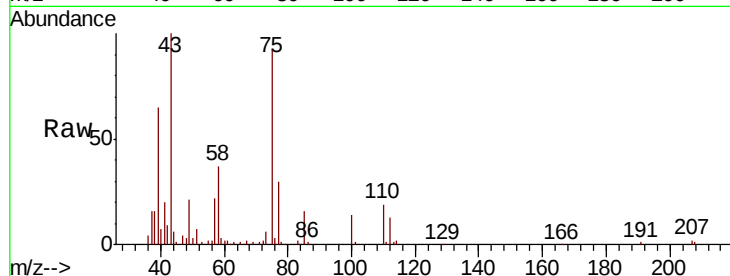
77 32.8 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 21.546 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

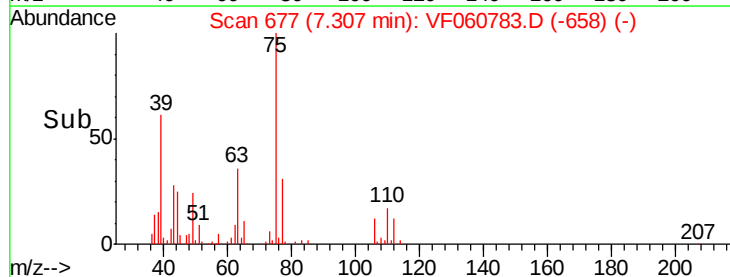
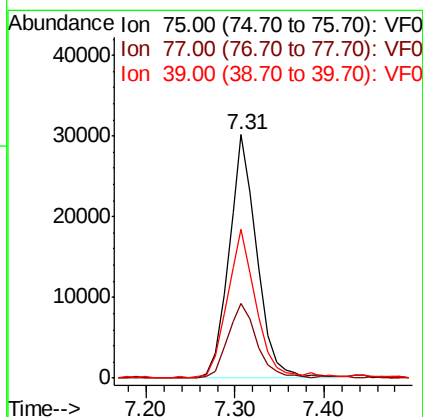
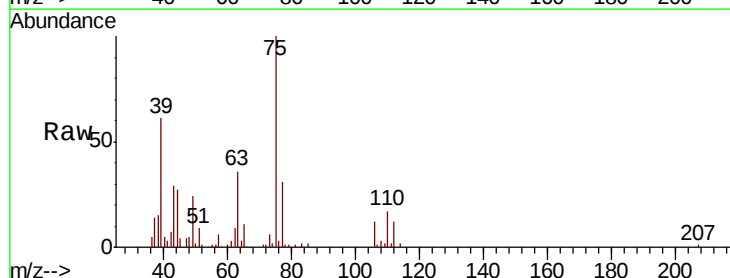
Tgt Ion: 75 Resp: 66044

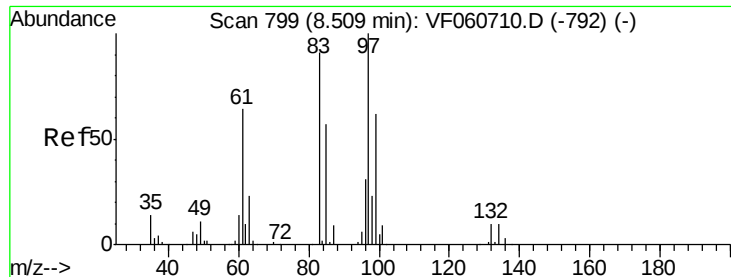
Ion Ratio Lower Upper

75 100

77 30.6 26.5 39.7

39 61.2 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 20.352 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

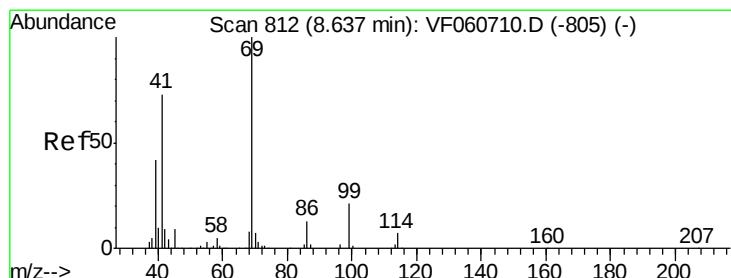
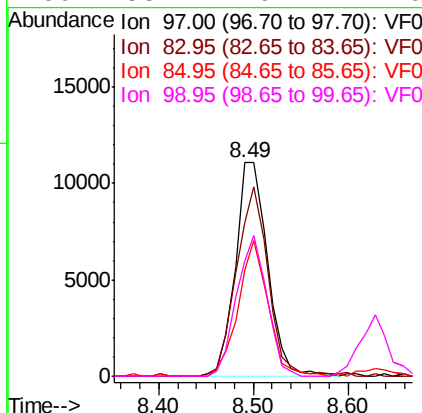
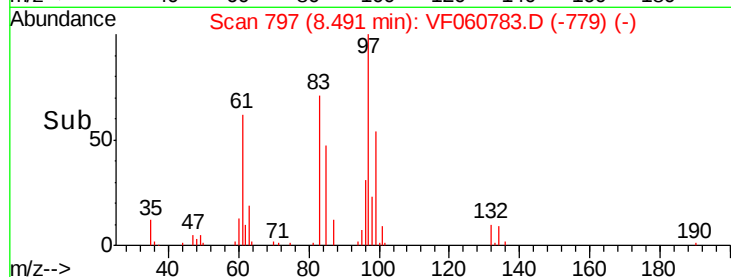
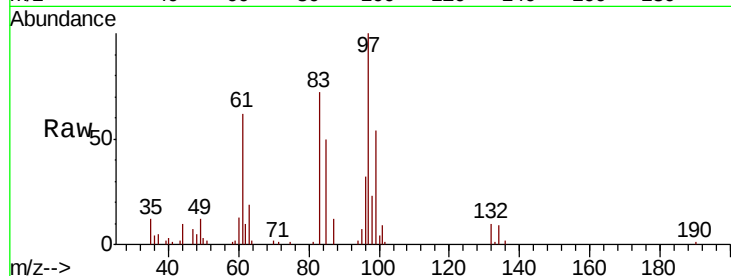
Tot Ion: 97 Resp: 26173

Ion	Ratio	Lower	Upper
97	100		
83	71.9	72.8	109.2#
85	49.7	45.8	68.6
99	53.7	49.4	74.0

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#56

Ethyl methacrylate

Concen: 21.464 ug/l

RT: 8.63 min Scan# 811

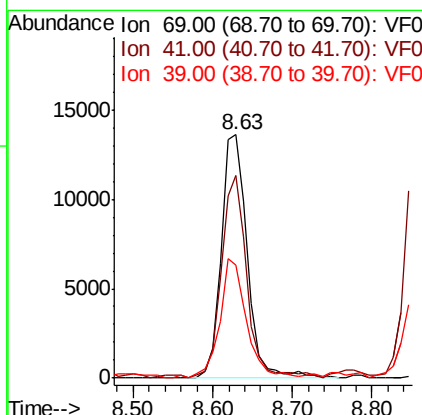
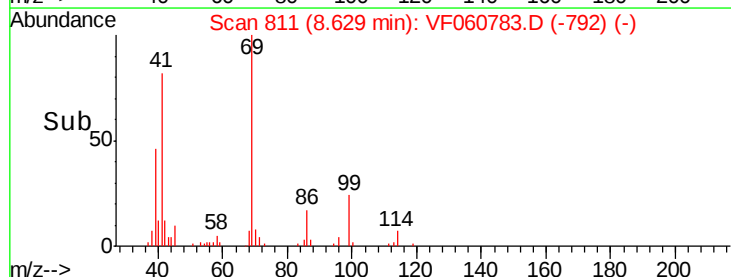
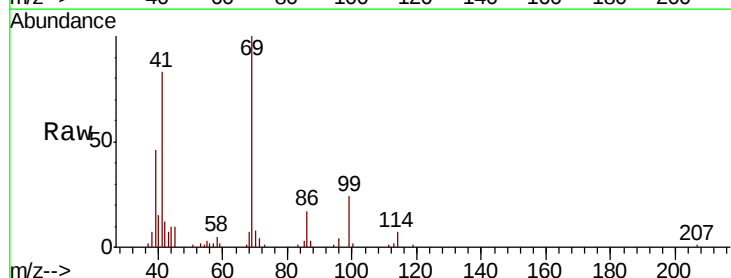
Delta R.T. -0.01 min

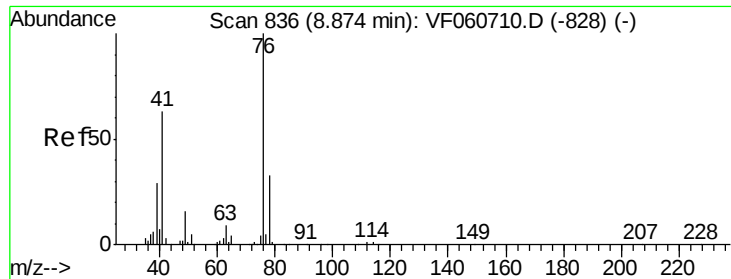
Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion: 69 Resp: 31349

Ion	Ratio	Lower	Upper
69	100		
41	83.4	59.0	88.6
39	46.4	34.0	51.0





#57

1,3-Dichloropropane

Concen: 22.569 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 76 Resp: 50301

Ion Ratio Lower Upper

76 100

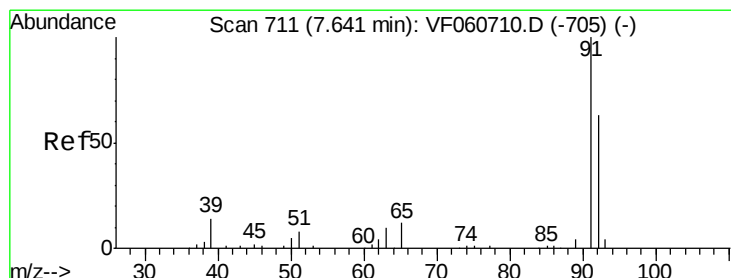
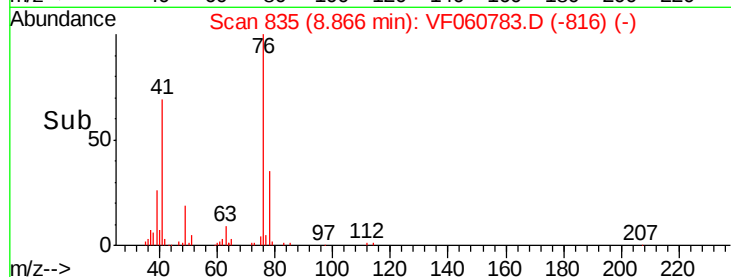
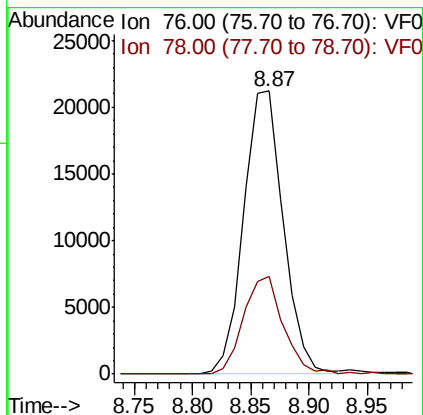
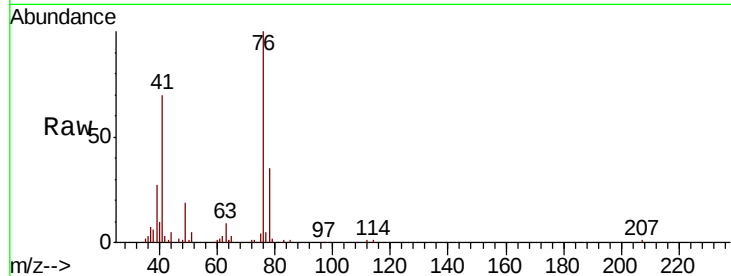
78 34.8 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 116.084 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060783.D

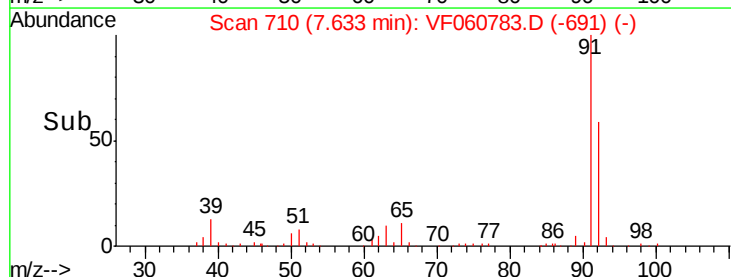
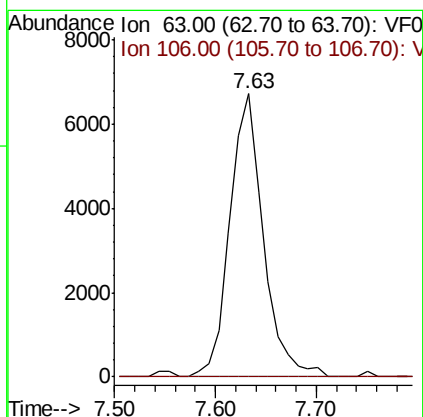
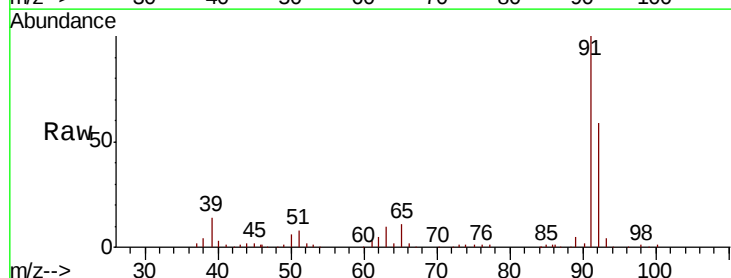
Acq: 19 Nov 2018 18:06

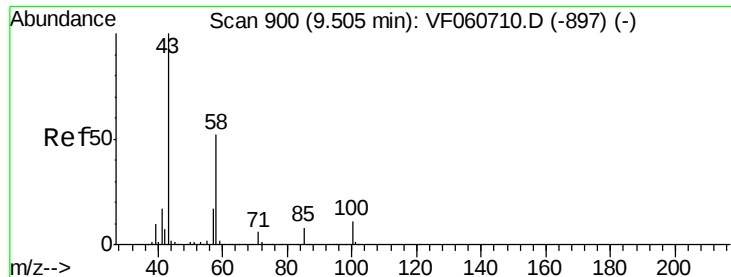
Tgt Ion: 63 Resp: 15488

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





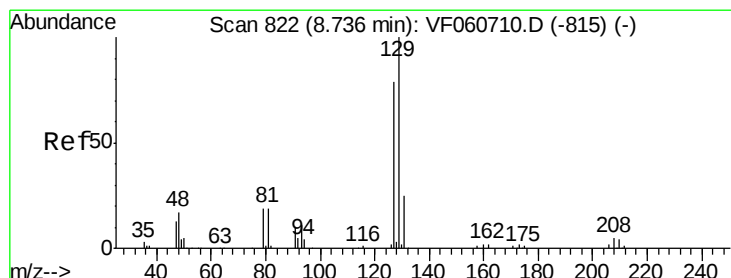
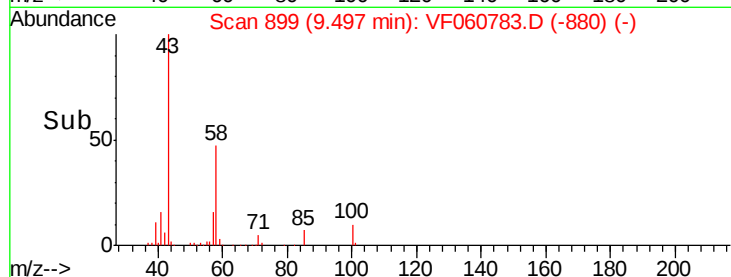
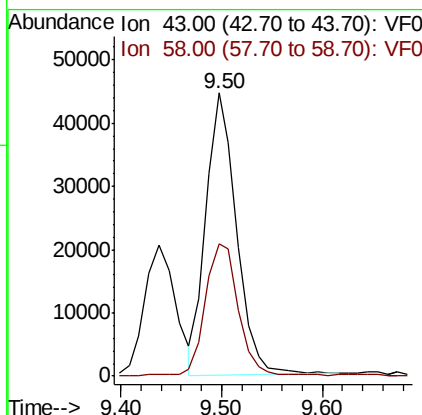
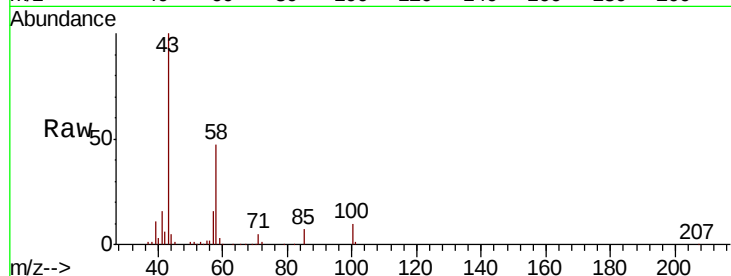
#59
2-Hexanone
Concen: 124.295 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 43 Resp: 93835
Ion Ratio Lower Upper
43 100
58 46.9 24.9 74.7

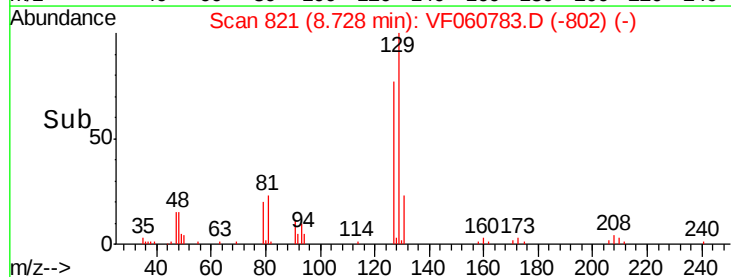
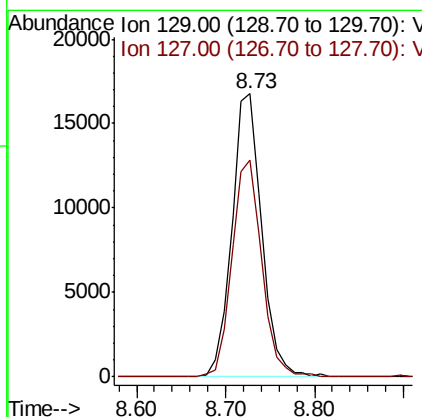
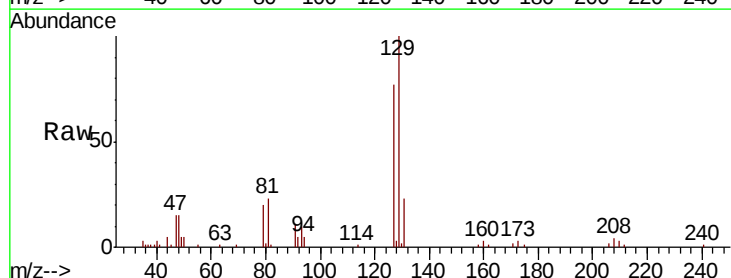
Manual Integrations
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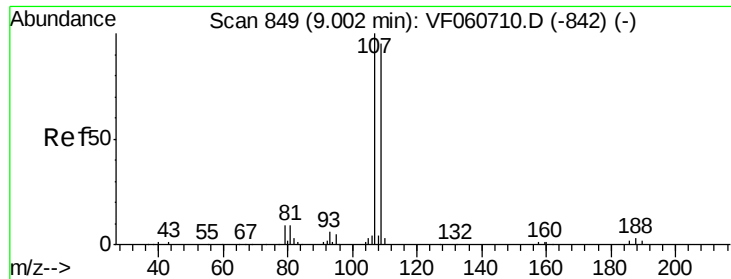
apatel
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#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 129 Resp: 39233
Ion Ratio Lower Upper
129 100
127 76.6 39.7 119.1





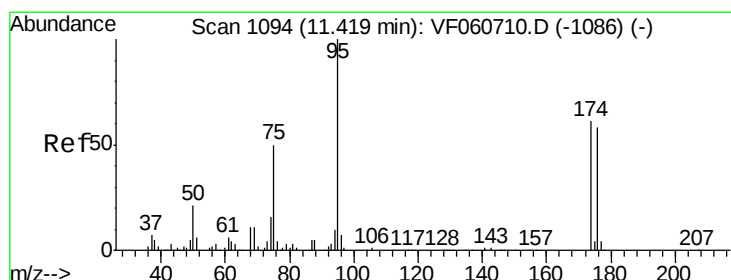
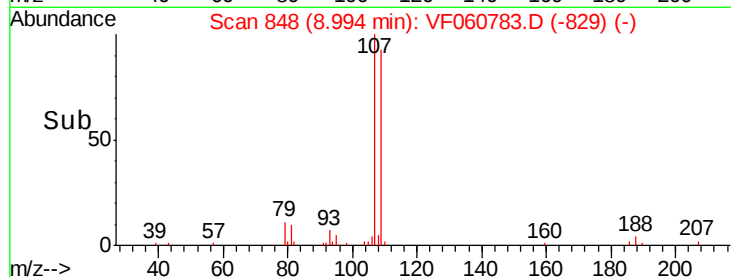
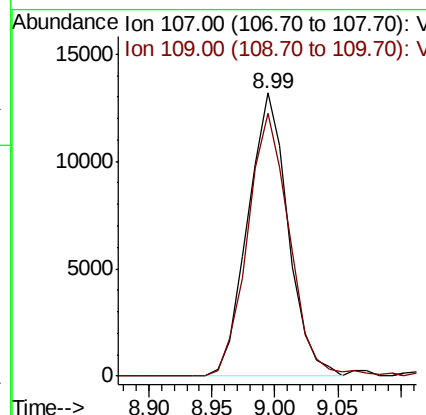
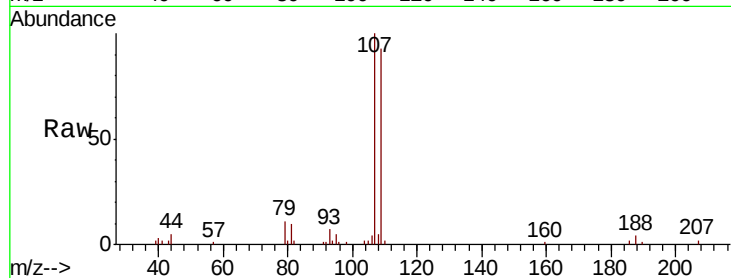
#61
 1,2-Dibromoethane
 Concen: 21.659 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.9	113.9

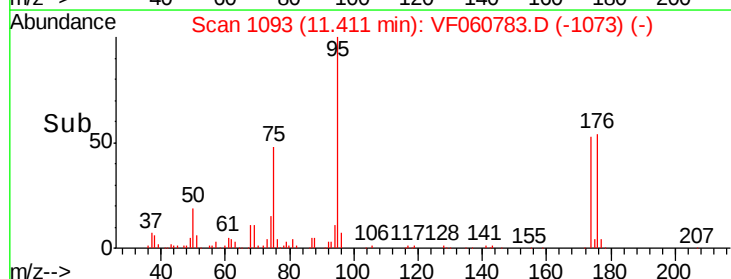
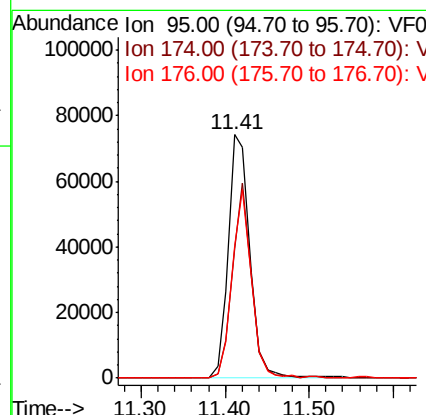
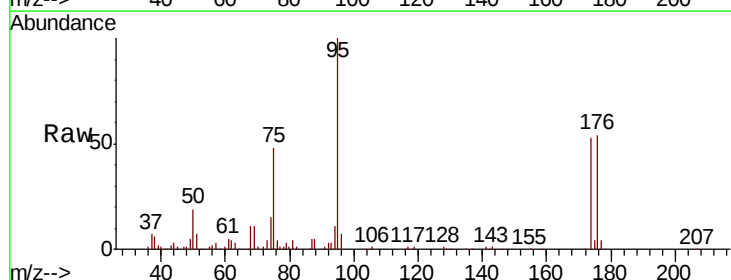
Manual Integrations
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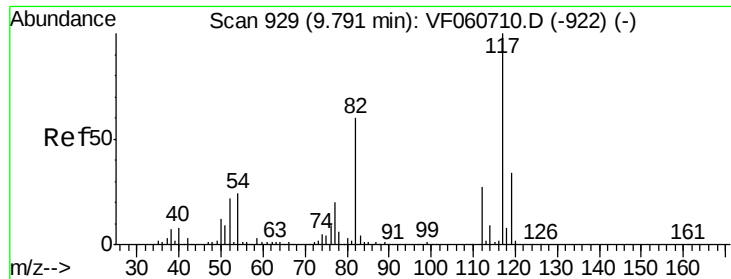
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#62
 4-Bromofluorobenzene
 Concen: 57.862 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	53.4	0.0	121.6
176	54.4	0.0	115.2





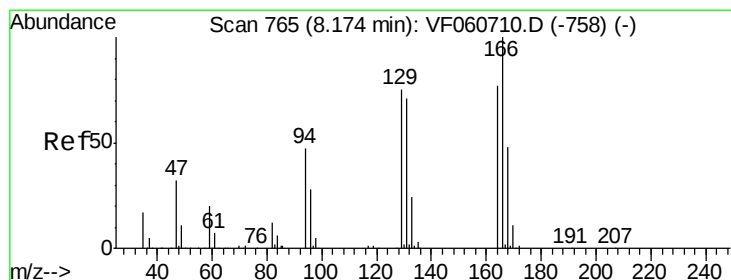
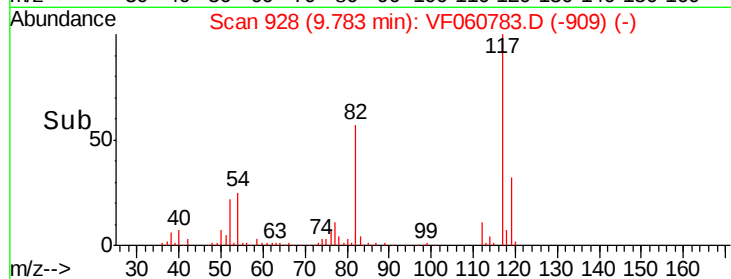
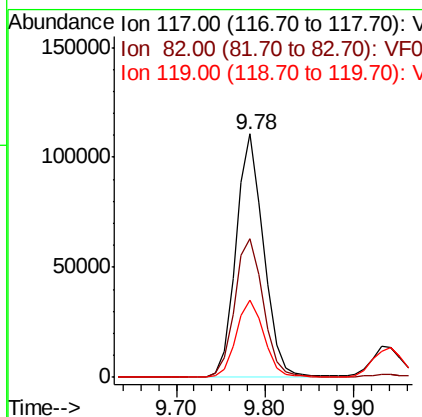
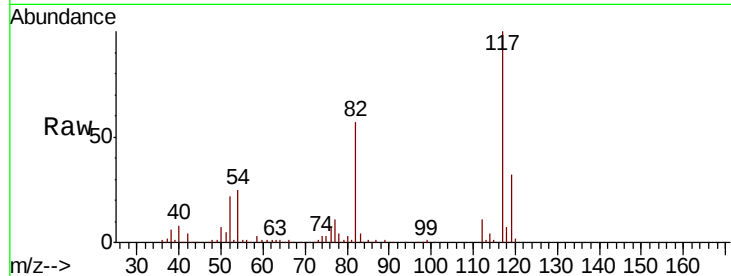
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240018		
82	57.1	47.9	71.9	
119	32.0	26.8	40.2	

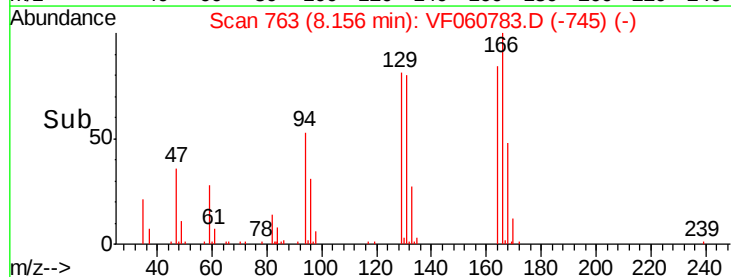
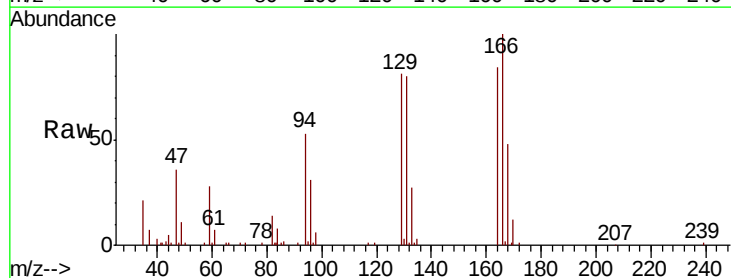
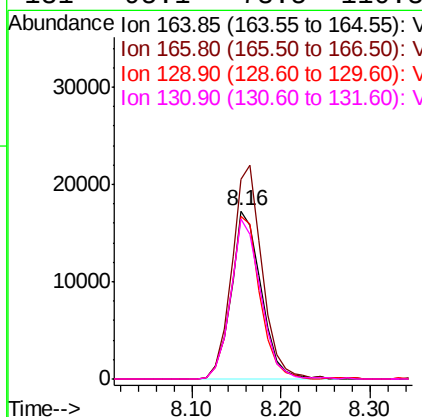
Manual Integrations
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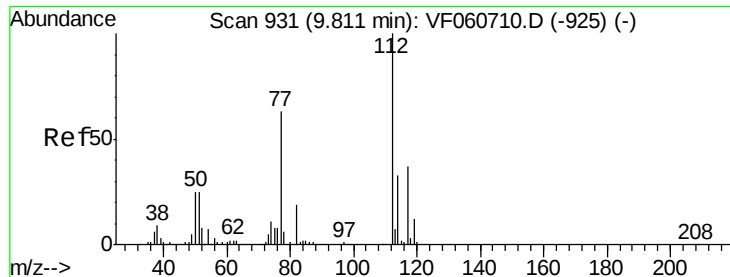
apatel
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#64
Tetrachloroethene
Concen: 21.385 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40645		
166	119.0	103.5	155.3	
129	96.8	77.4	116.2	
131	95.1	73.5	110.3	





#65

Chlorobenzene

Concen: 20.756 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:112 Resp: 100531

Ion Ratio Lower Upper

112 100

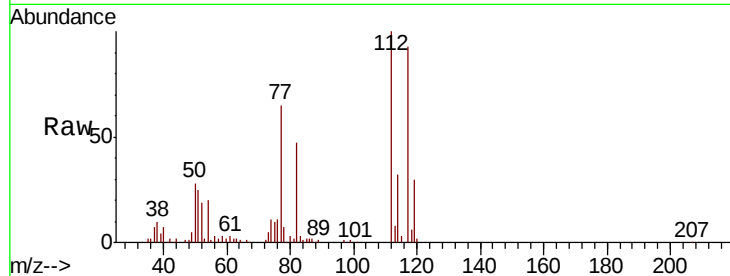
114 32.4 26.1 39.1

Manual Integrations

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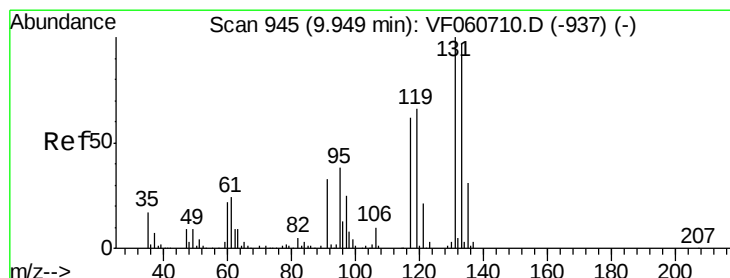
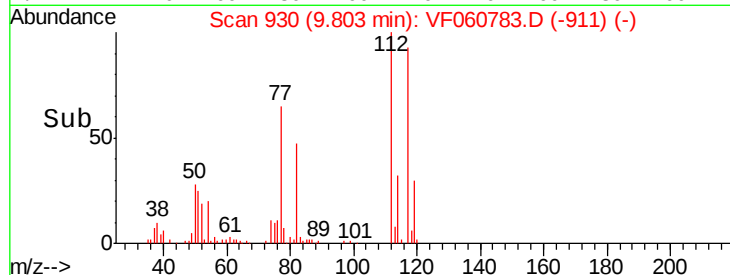
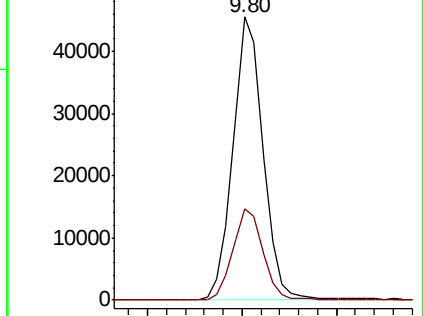
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.814 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

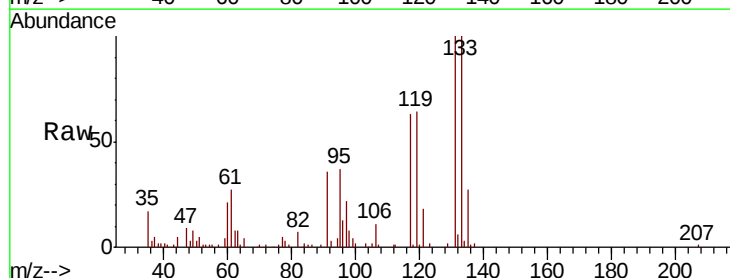
Tgt Ion:131 Resp: 46082

Ion Ratio Lower Upper

131 100

133 99.9 48.3 144.8

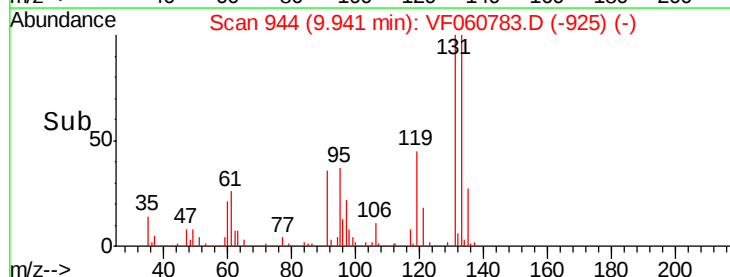
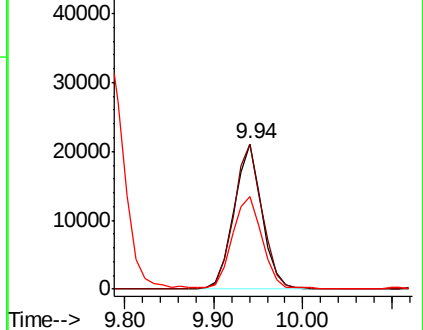
119 63.7 33.2 99.6

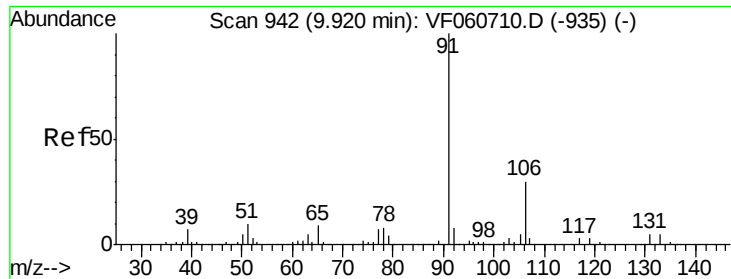


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.529 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 91 Resp: 205682

Ion Ratio Lower Upper

91 100

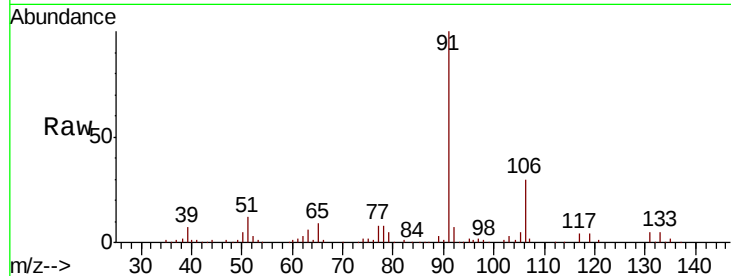
106 29.9 23.9 35.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

9.91

100000

80000

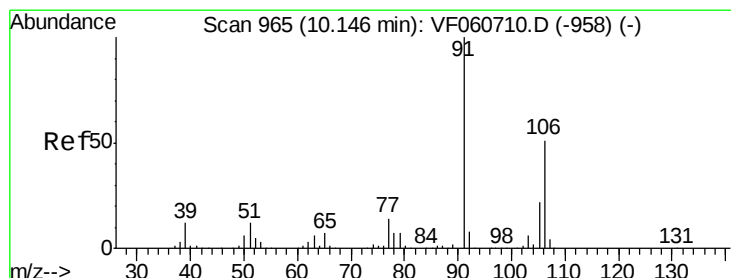
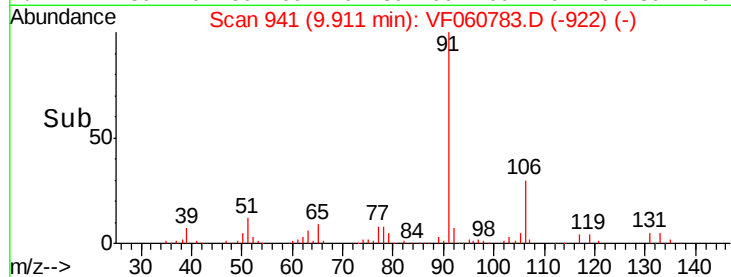
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 44.791 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060783.D

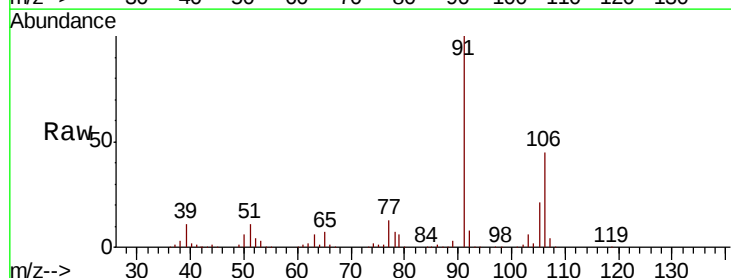
Acq: 19 Nov 2018 18:06

Tgt Ion:106 Resp: 146136

Ion Ratio Lower Upper

106 100

91 220.5 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.14

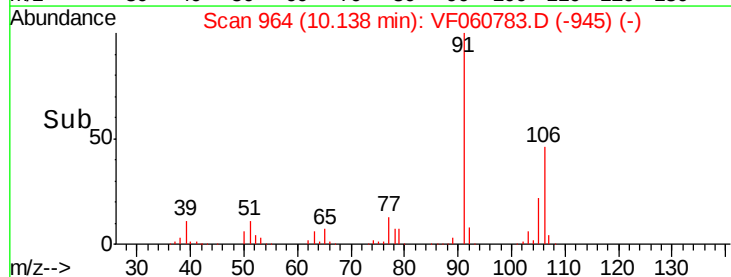
150000

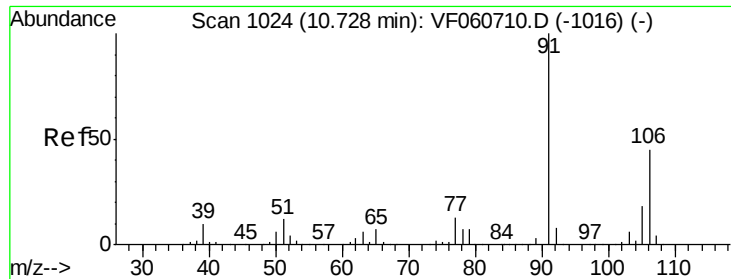
100000

50000

0

Time-->





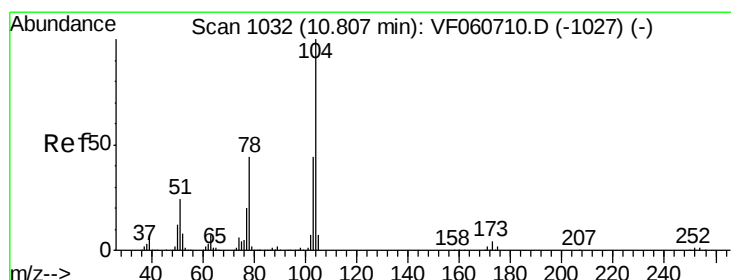
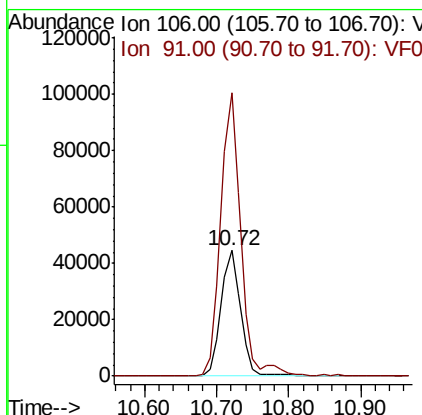
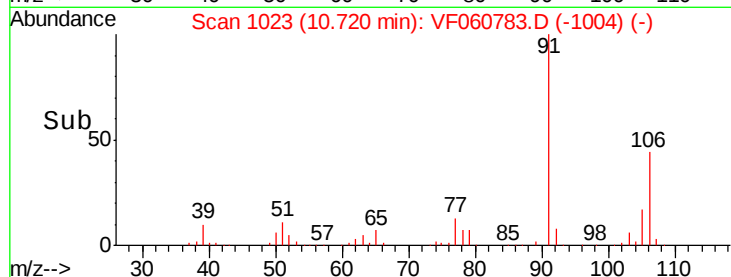
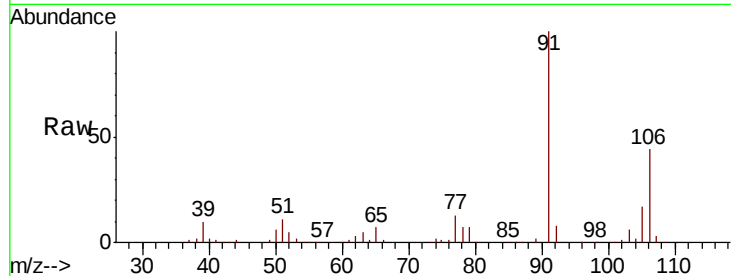
#69
o-Xylene
Concen: 22.867 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion:106 Resp: 83879
Ion Ratio Lower Upper
106 100
91 225.0 110.3 330.9

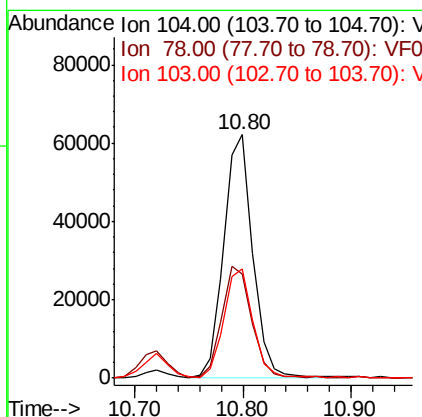
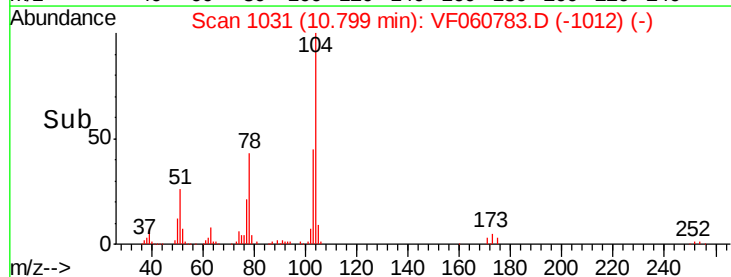
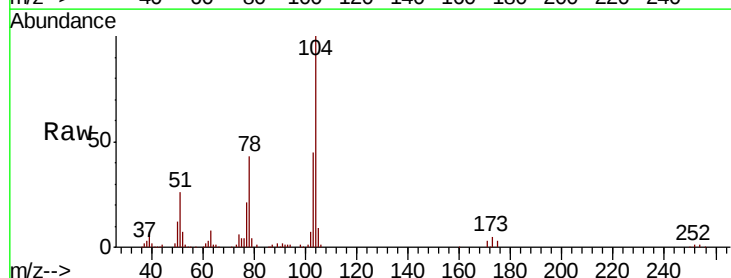
Manual Integrations
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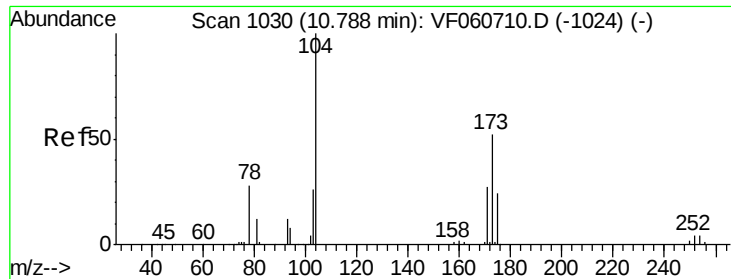
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#70
Styrene
Concen: 23.251 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion:104 Resp: 115746
Ion Ratio Lower Upper
104 100
78 42.7 35.4 53.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 22.447 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

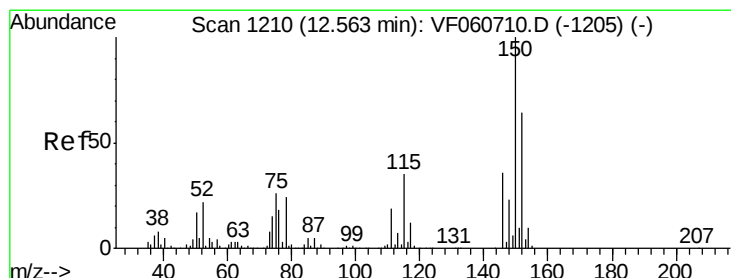
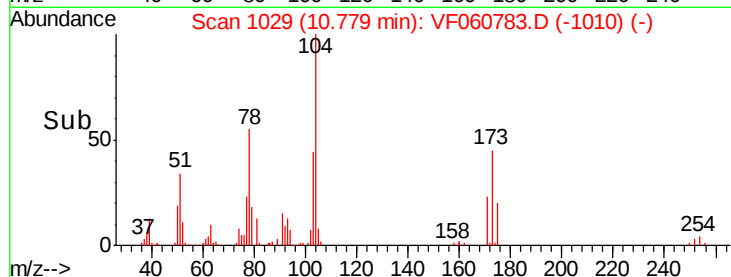
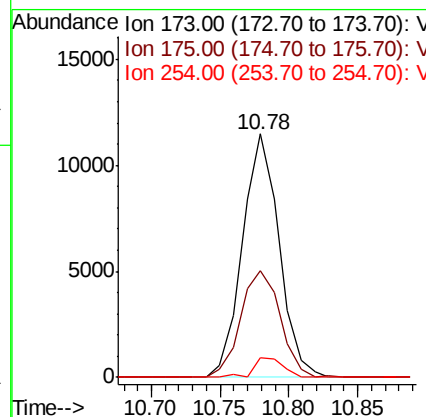
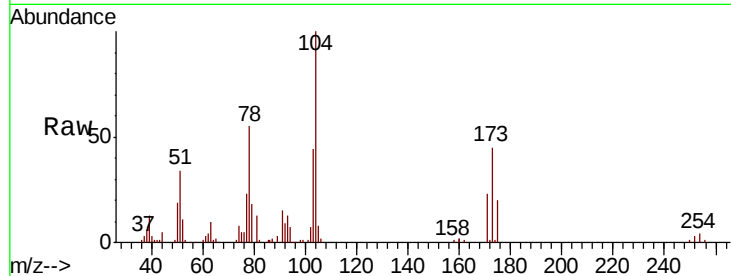
ClientSampleId :

VF1119SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.0
254	7.8	5.8	8.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

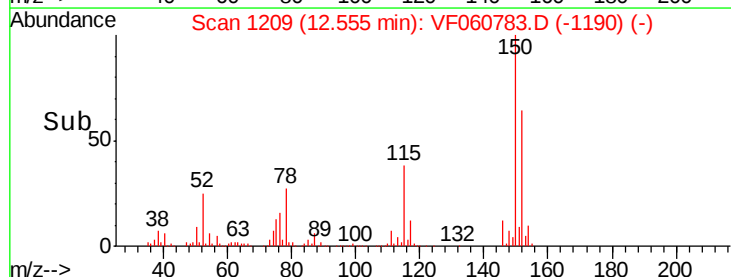
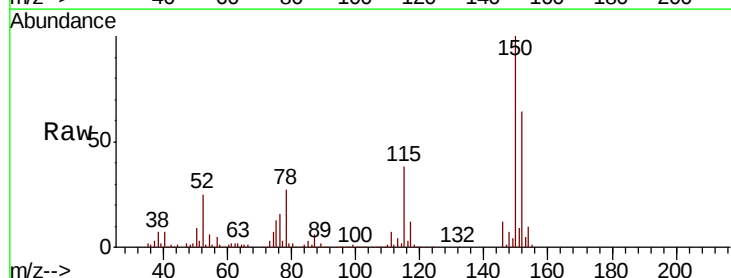
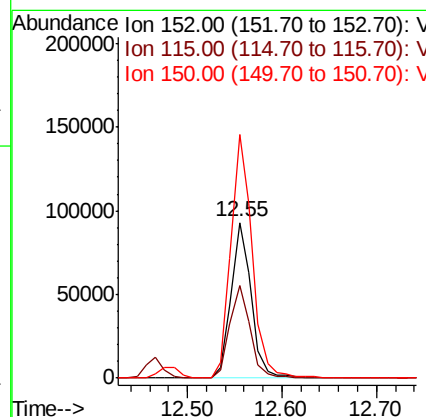
RT: 12.55 min Scan# 1209

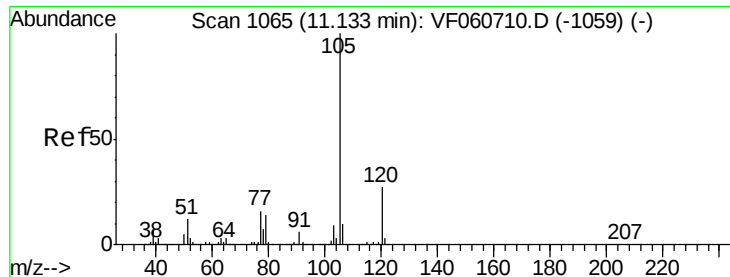
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	27.9	83.7
150	156.3	0.0	316.4





#73

Isopropylbenzene

Concen: 22.505 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:105 Resp: 248061

Ion Ratio Lower Upper

105 100

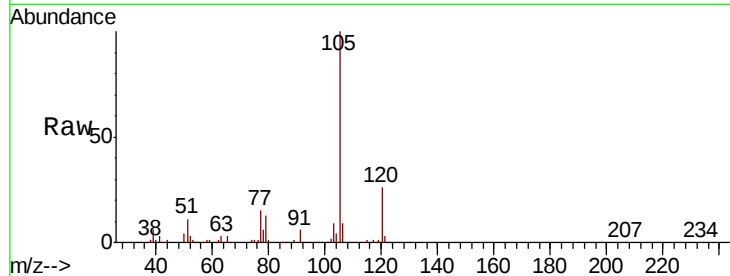
120 25.6 13.4 40.1

Manual Integrations

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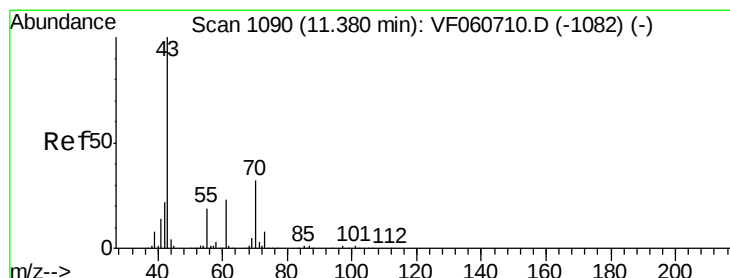
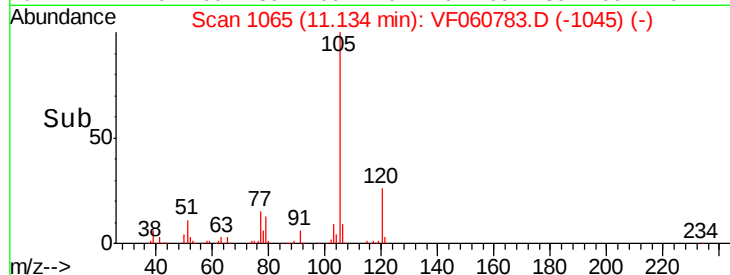
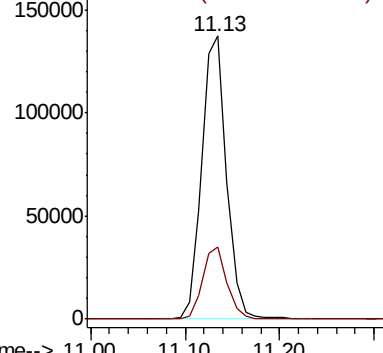
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.787 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion: 43 Resp: 62198

Ion Ratio Lower Upper

43 100

70 34.6 25.5 38.3

55 21.6 14.9 22.3

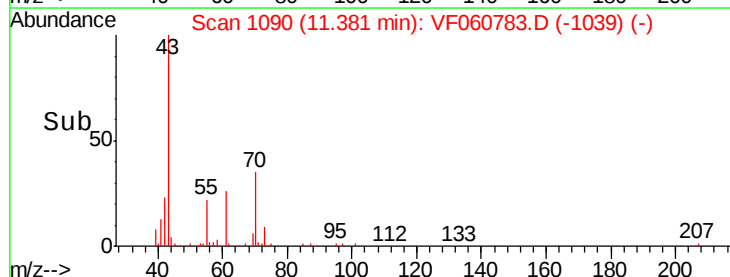
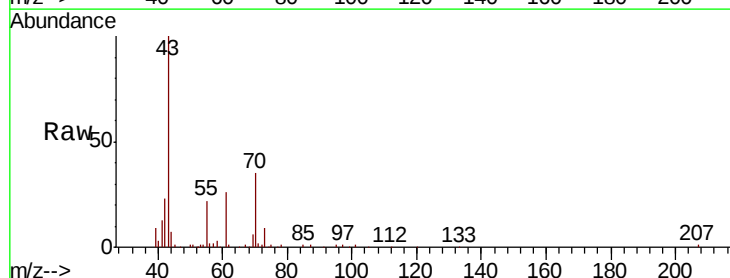
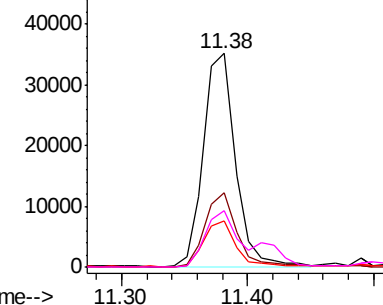
61 26.4 18.6 27.8

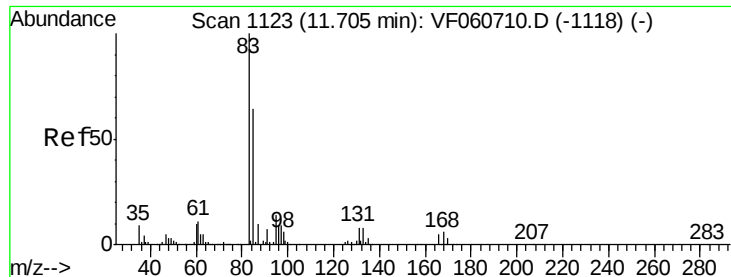
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.746 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

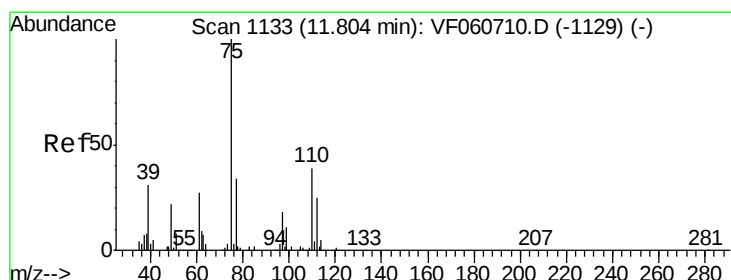
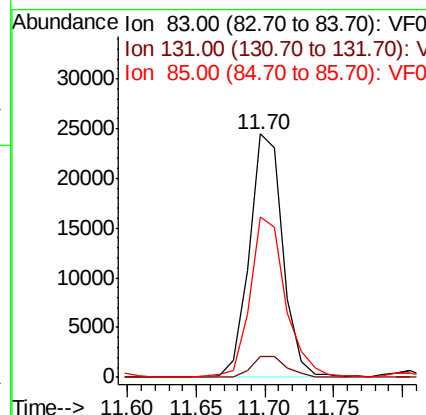
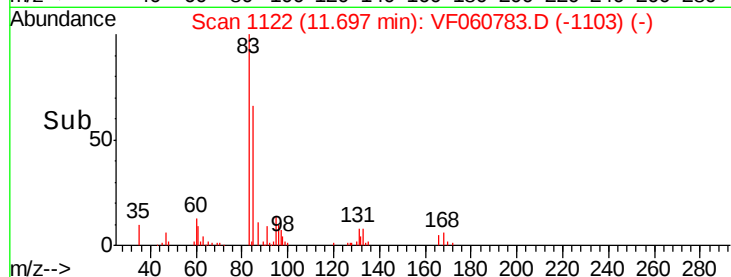
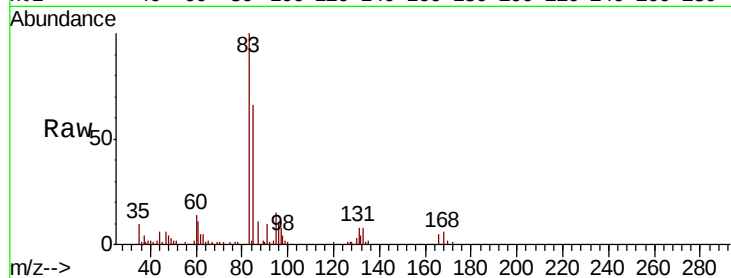
ClientSampleId :

VF1119SBS01

Tot Ion:	83	Resp:	41452
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	65.9	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 22.338 ug/l

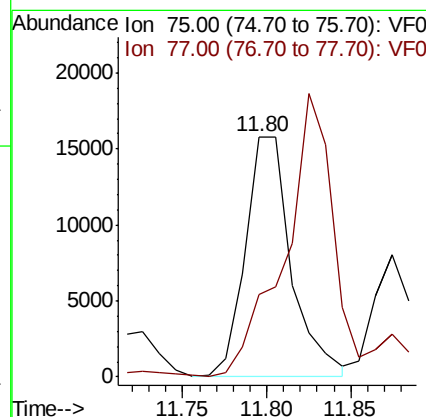
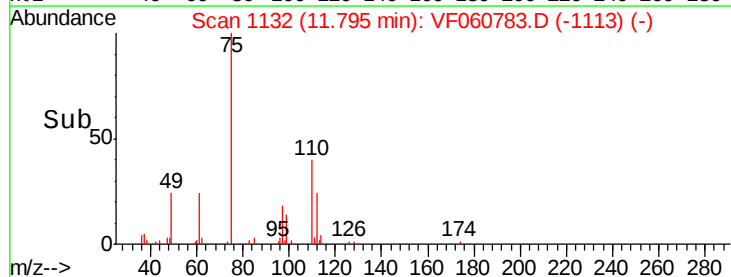
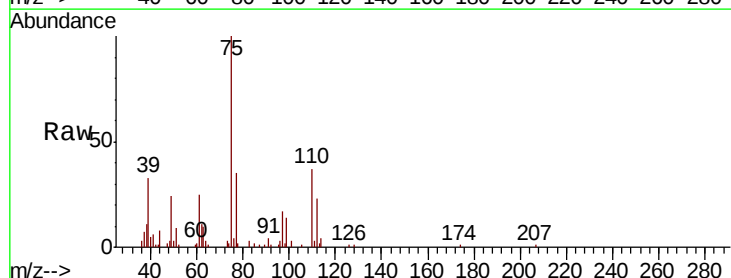
RT: 11.80 min Scan# 1132

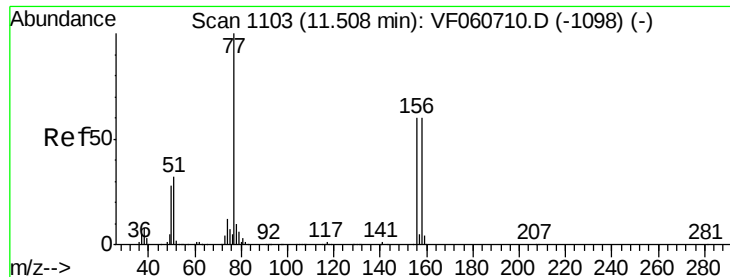
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	75	Resp:	30233
Ion Ratio	Lower	Upper	
75	100		
77	34.5	17.0	51.0





#77

Bromobenzene

Concen: 21.254 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

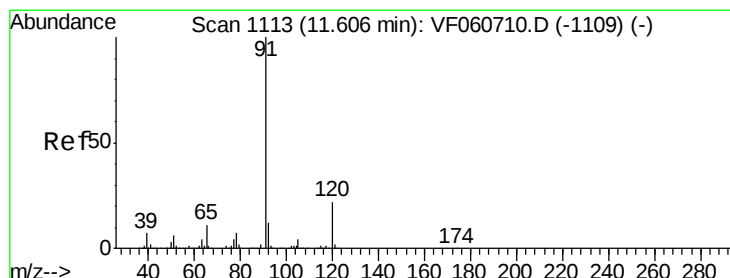
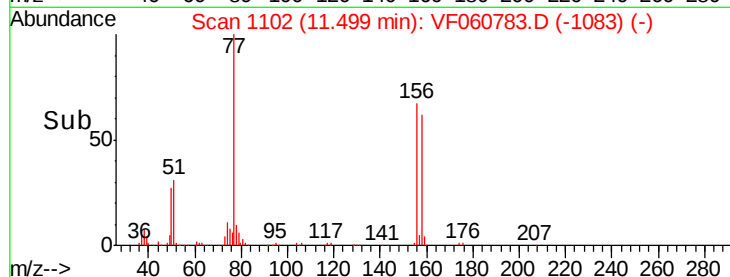
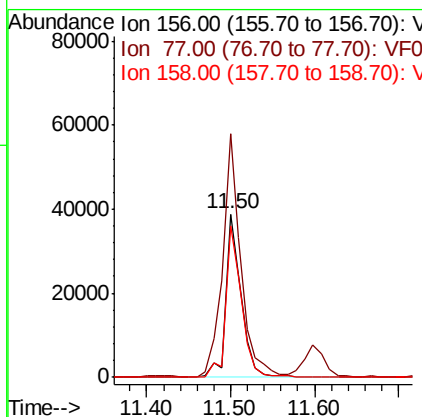
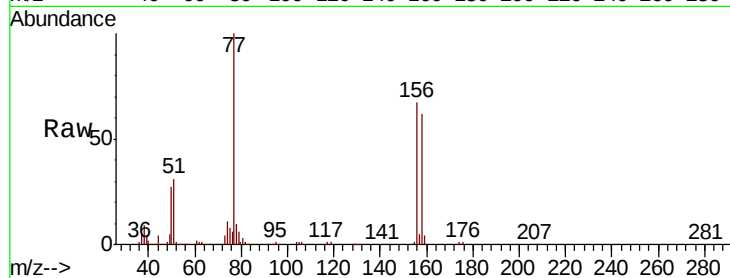
ClientSampleId :

VF1119SBS01

Tot Ion:	156	Resp:	48765
Ion	Ratio	Lower	Upper
156	100		
77	149.0	83.0	248.9
158	92.8	49.6	149.0

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#78

n-propylbenzene

Concen: 23.457 ug/l

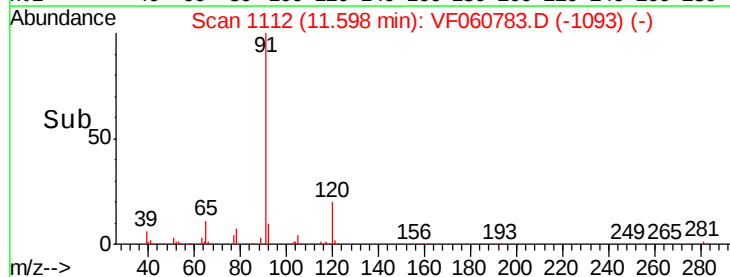
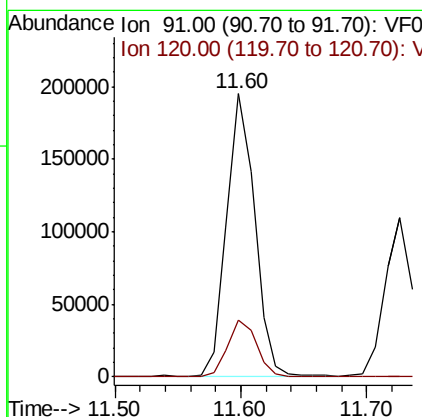
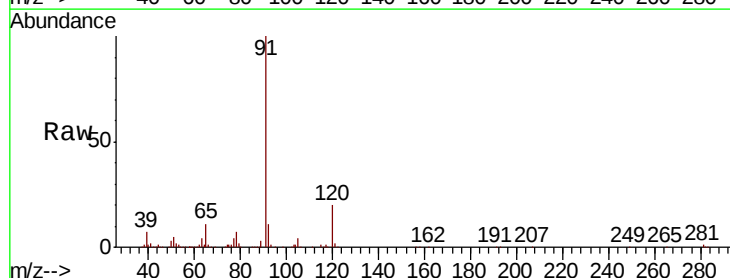
RT: 11.60 min Scan# 1112

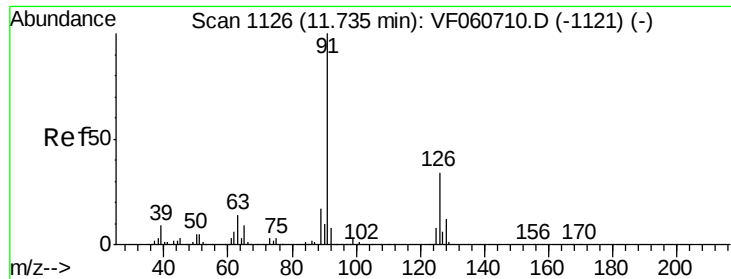
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	91	Resp:	301557
Ion	Ratio	Lower	Upper
91	100		
120	19.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 22.741 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 91 Resp: 169917

Ion Ratio Lower Upper

91 100

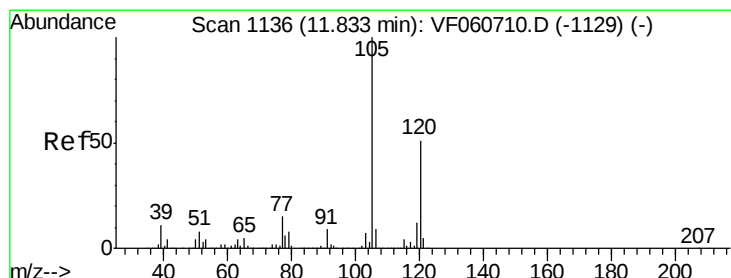
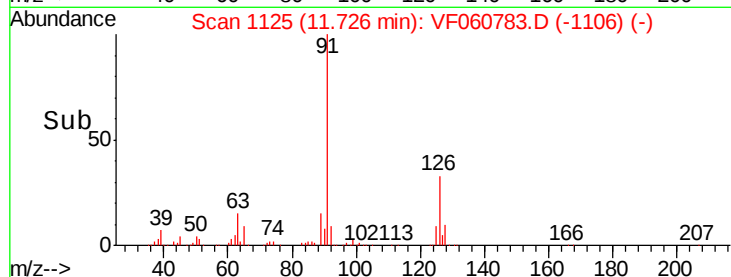
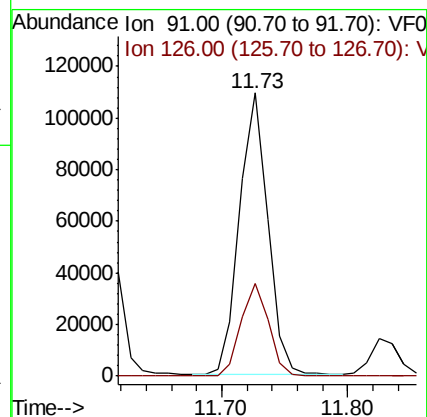
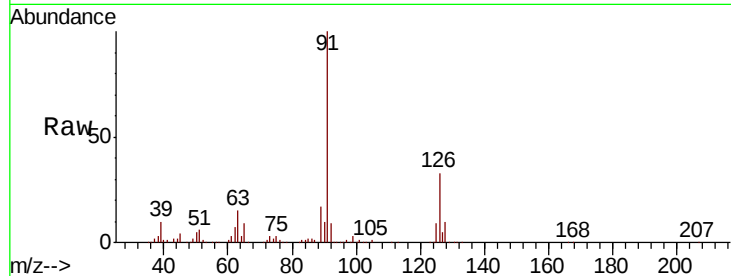
126 32.9 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 23.358 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060783.D

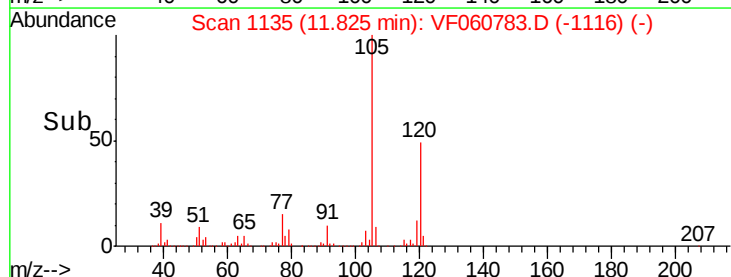
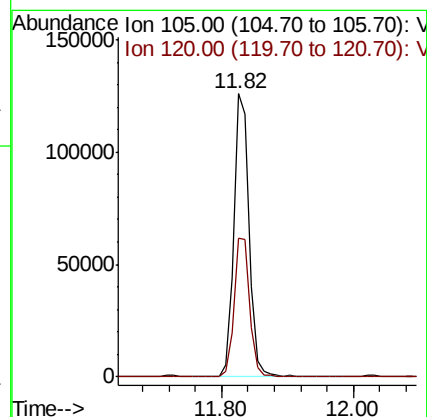
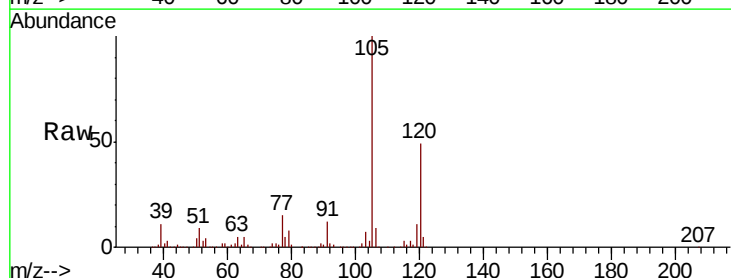
Acq: 19 Nov 2018 18:06

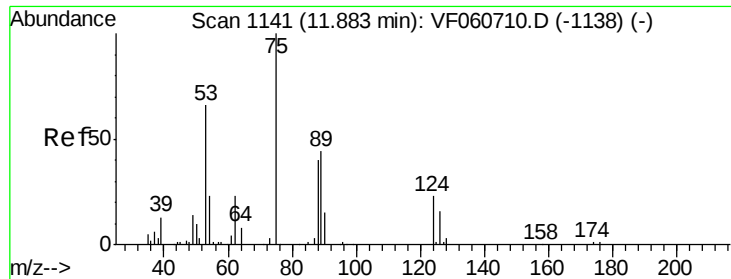
Tgt Ion: 105 Resp: 204403

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.279 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

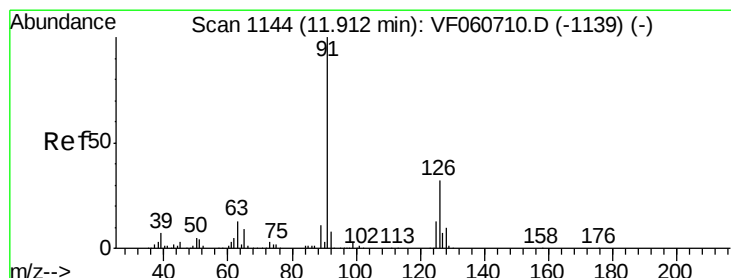
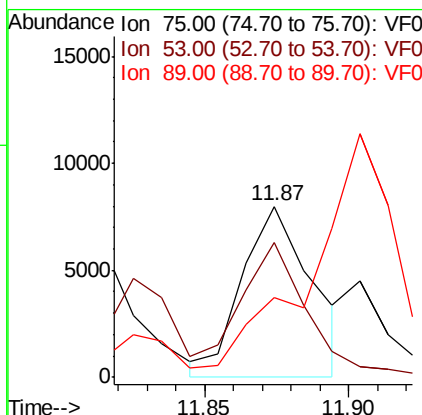
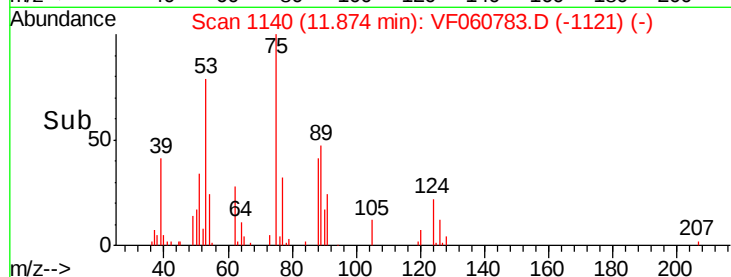
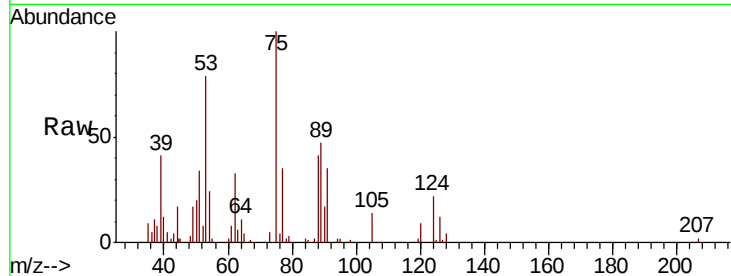
ClientSampleId :

VF1119SBS01

Tot Ion:	75	Resp:	13484
Ion	Ratio	Lower	Upper
75	100		
53	78.6	57.0	85.4
89	46.8	37.8	56.8

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#82

4-Chlorotoluene

Concen: 22.108 ug/l

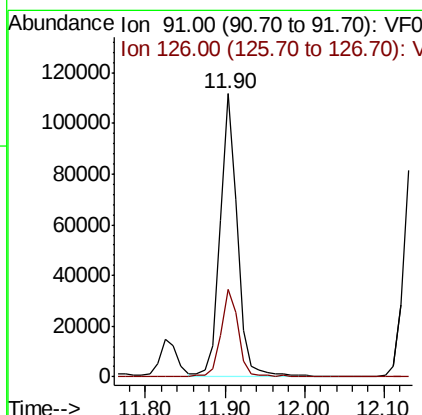
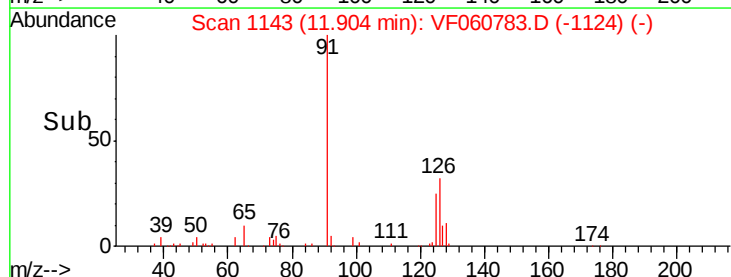
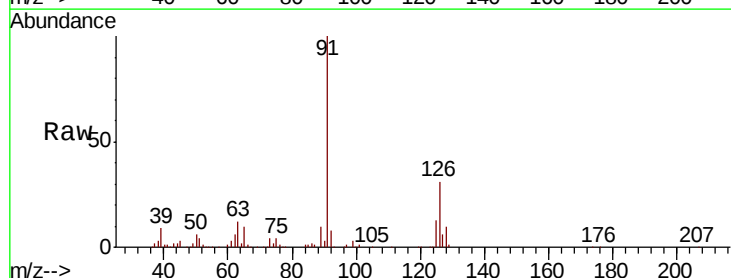
RT: 11.90 min Scan# 1143

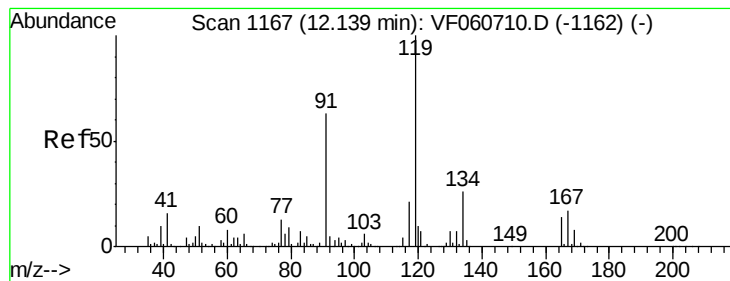
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	91	Resp:	169222
Ion	Ratio	Lower	Upper
91	100		
126	30.7	16.0	47.9





#83

tert-Butylbenzene

Concen: 23.191 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

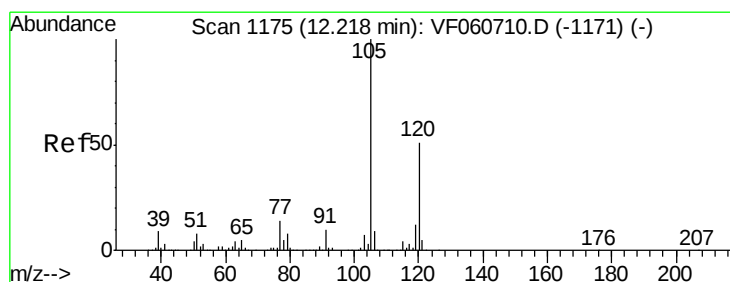
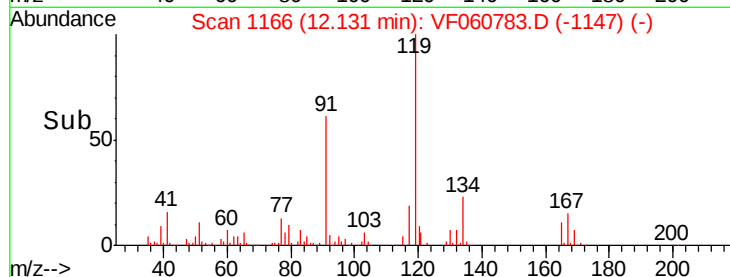
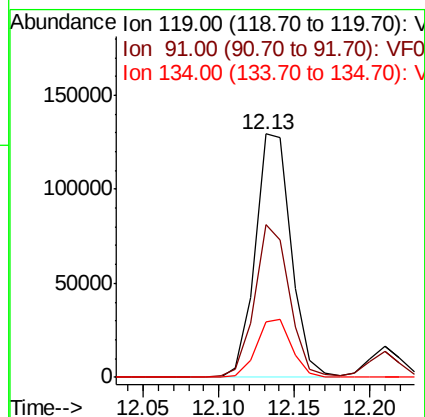
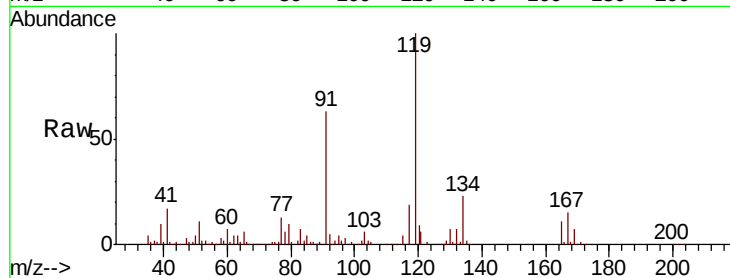
ClientSampleId :

VF1119SBS01

Tot Ion:	119	Resp:	215479
Ion Ratio	Lower	Upper	
119	100		
91	62.8	31.4	94.3
134	22.5	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.203 ug/l

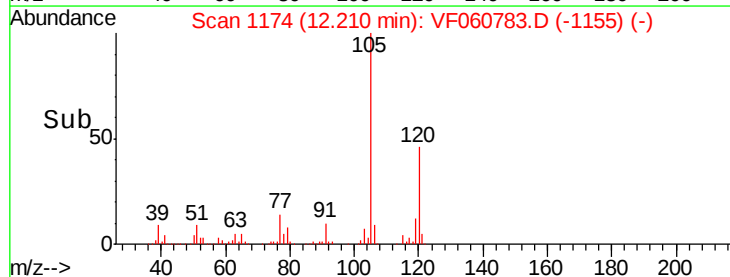
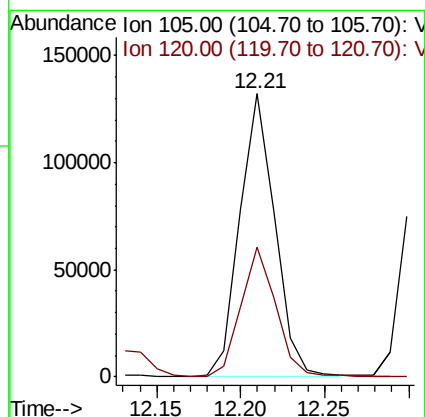
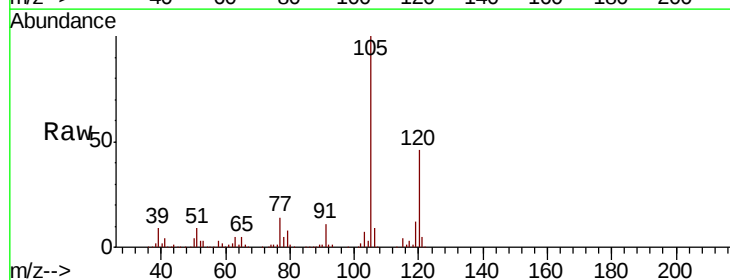
RT: 12.21 min Scan# 1174

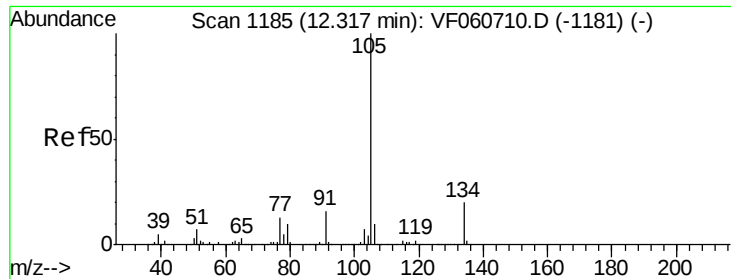
Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion:	105	Resp:	191899
Ion Ratio	Lower	Upper	
105	100		
120	46.0	25.5	76.5





#85

sec-Butylbenzene

Concen: 22.115 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion:105 Resp: 278737

Ion Ratio Lower Upper

105 100

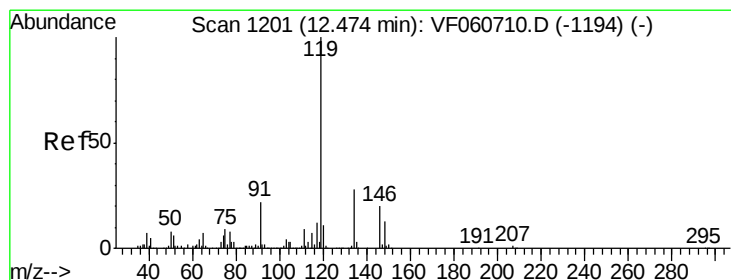
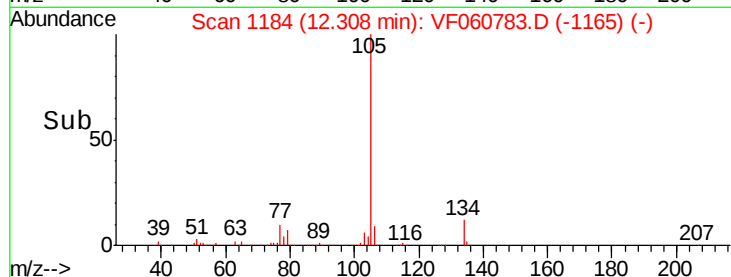
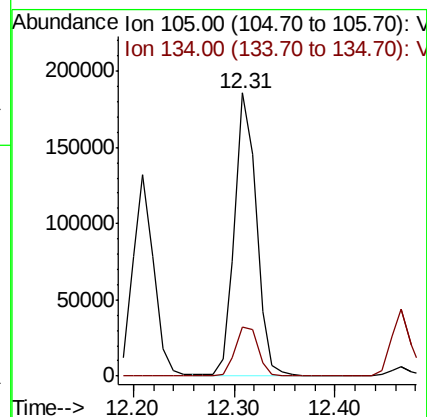
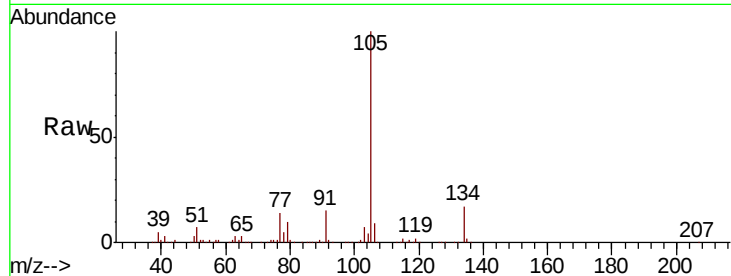
134 17.5 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 22.805 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

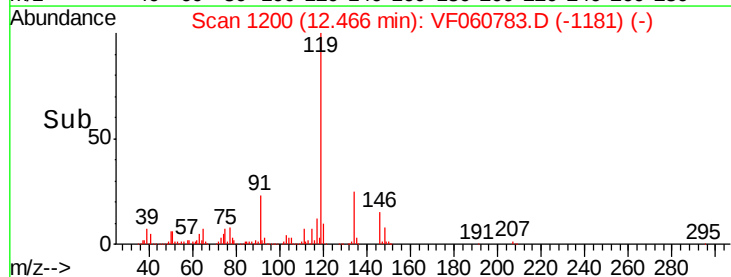
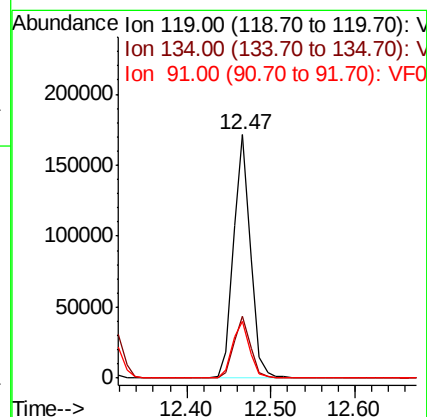
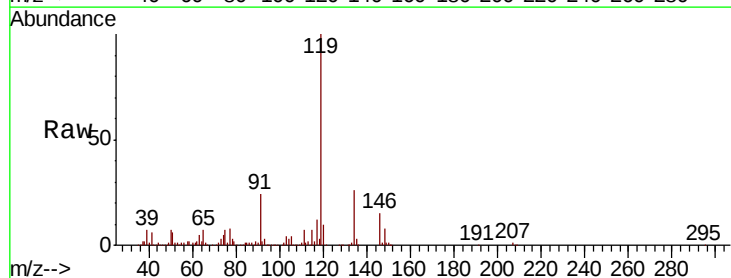
Tgt Ion:119 Resp: 240064

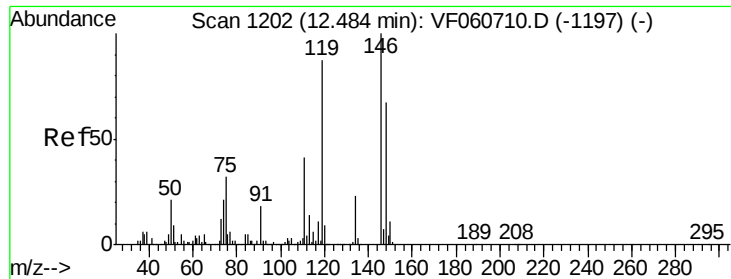
Ion Ratio Lower Upper

119 100

134 25.5 13.9 41.7

91 23.5 11.3 33.9





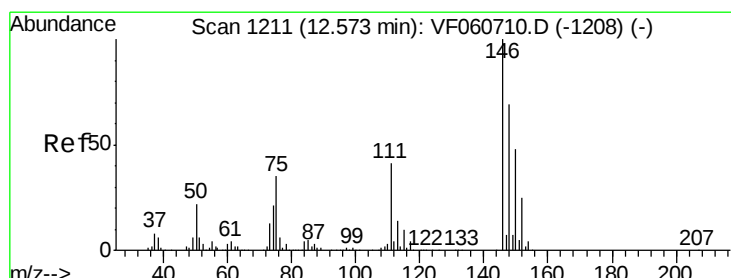
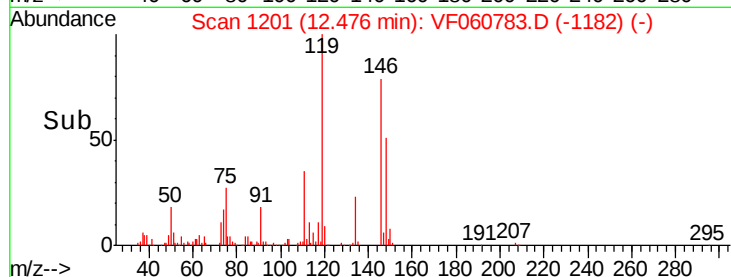
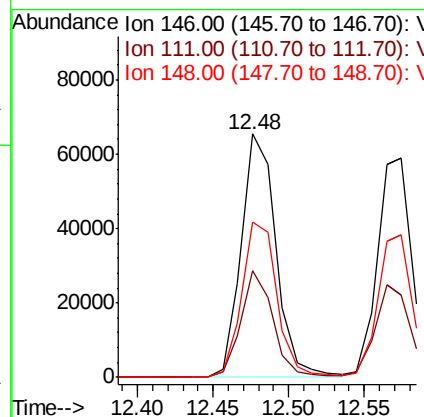
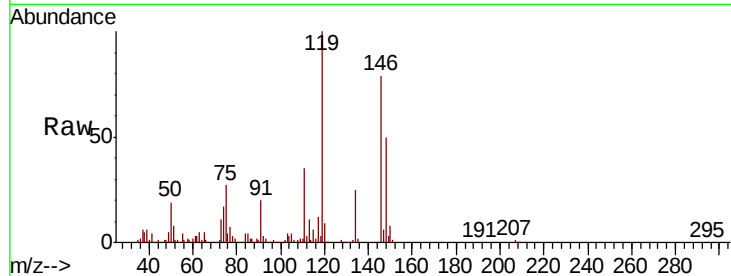
#87
 1,3-Dichlorobenzene
 Concen: 22.935 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.3	60.8
148	63.9	33.3	99.9

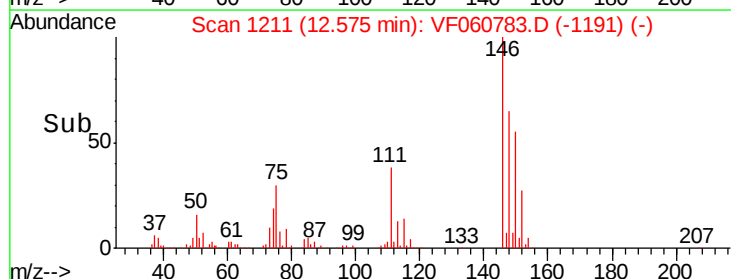
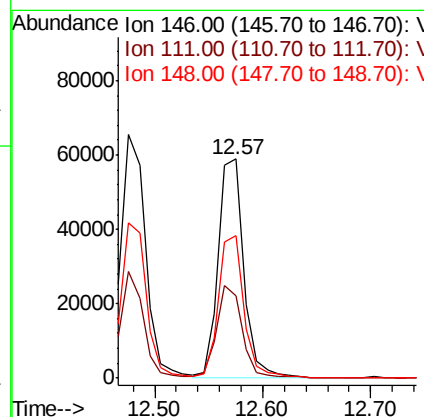
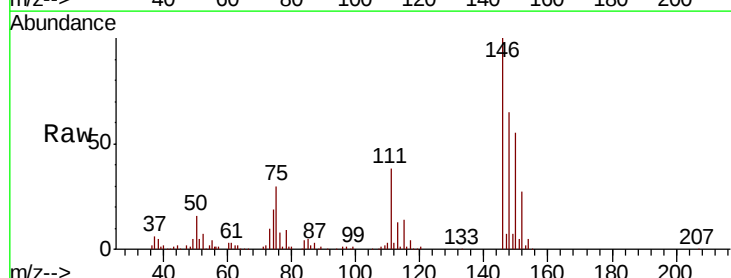
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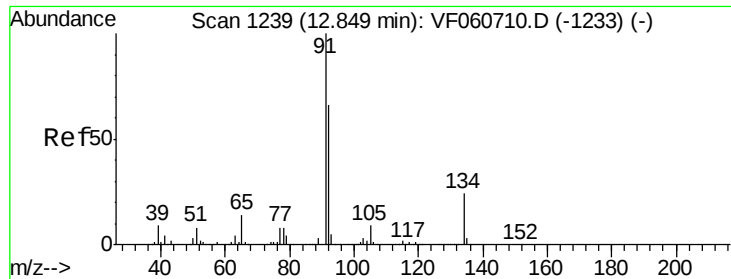
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.008 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.6	61.9
148	64.9	34.7	104.1





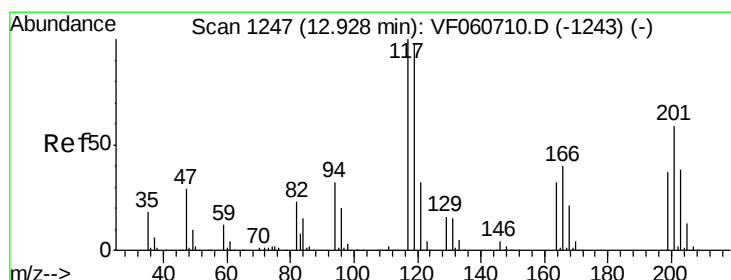
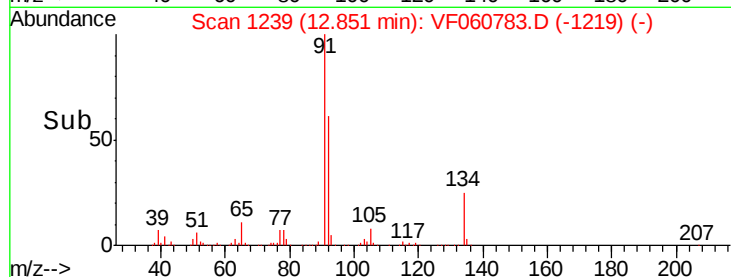
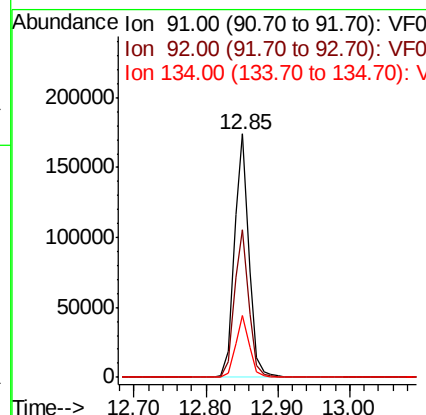
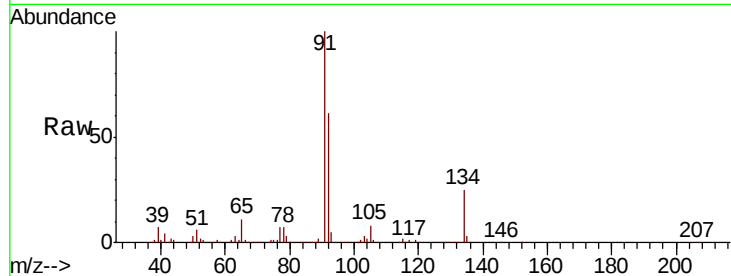
#89
n-Butylbenzene
Concen: 22.480 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	241497		
92	60.7	33.1	99.2	
134	25.2	11.9	35.9	

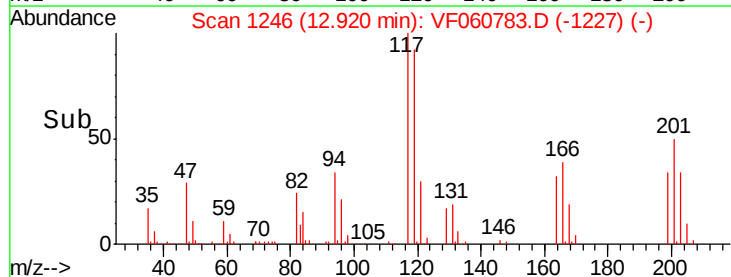
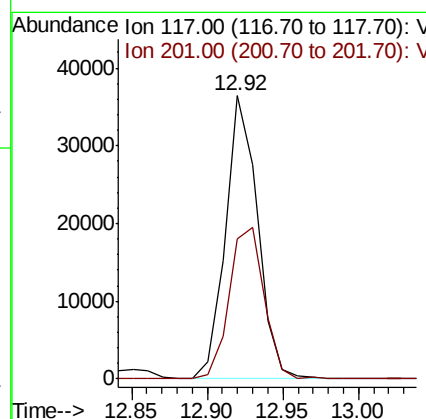
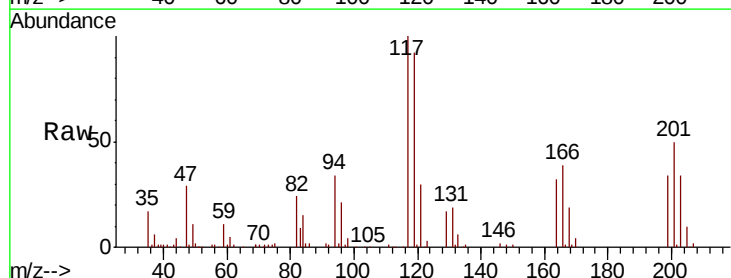
Manual Integrations
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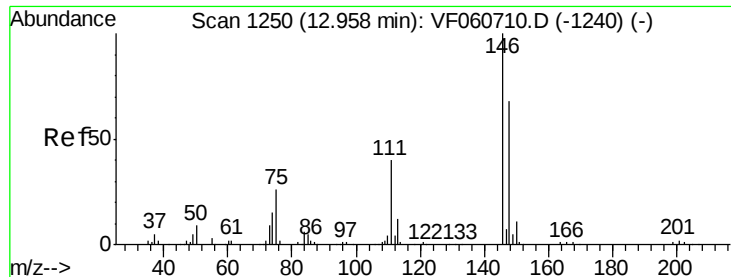
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#90
Hexachloroethane
Concen: 20.884 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	53772		
201	49.6	29.4	88.3	





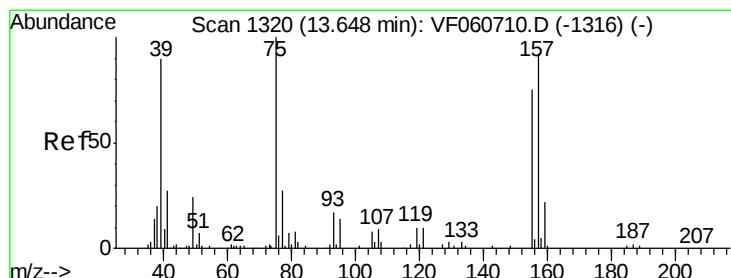
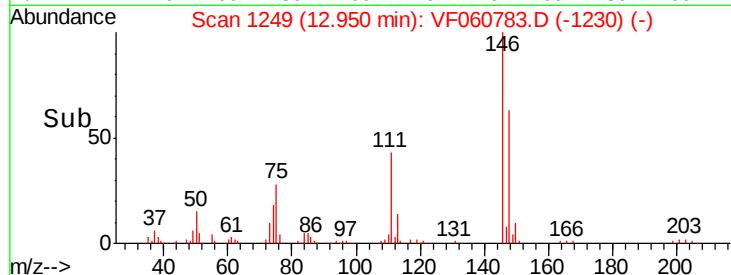
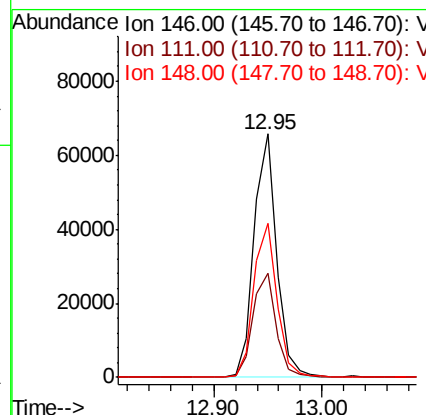
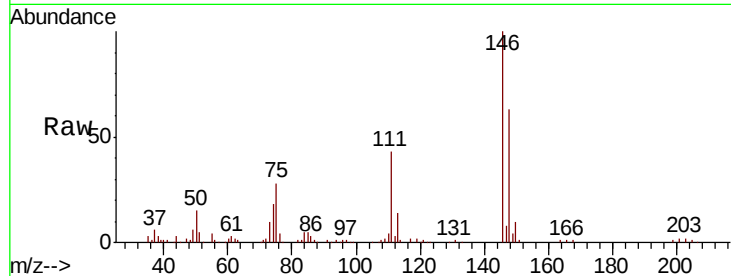
#91
 1,2-Dichlorobenzene
 Concen: 22.354 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	63.3	34.1	102.3

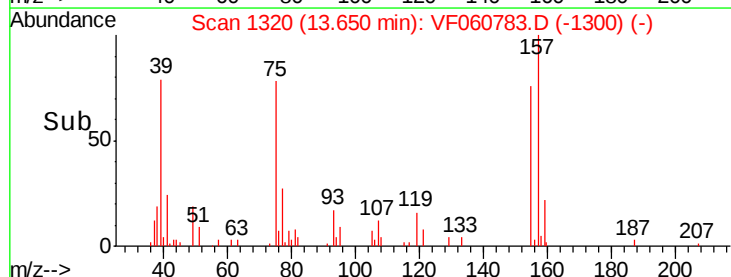
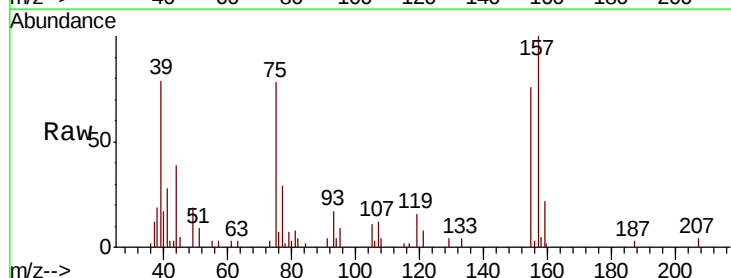
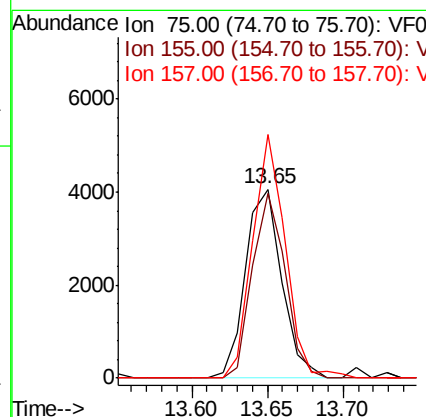
Manual Integrations
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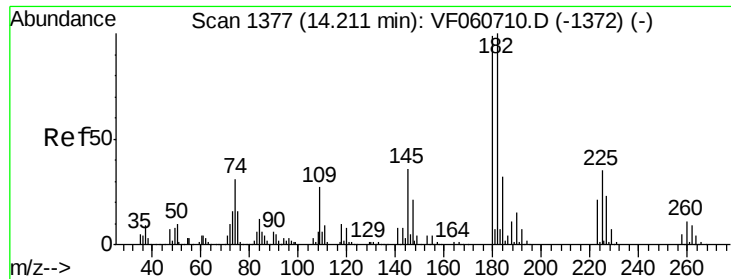
apatel
 11/20/2018 12:02:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.938 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	37.4	112.2
157	128.7	46.0	138.0





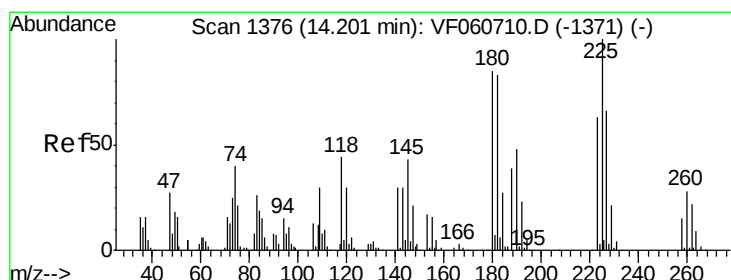
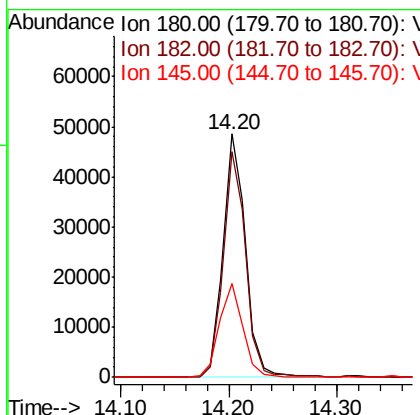
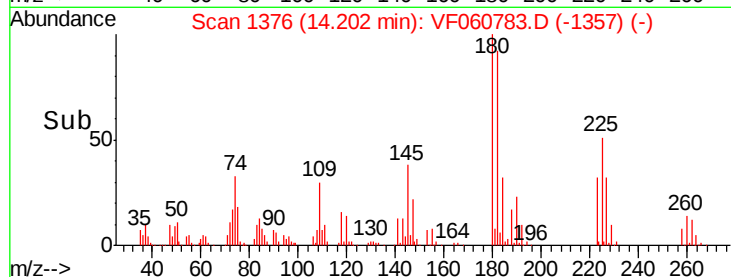
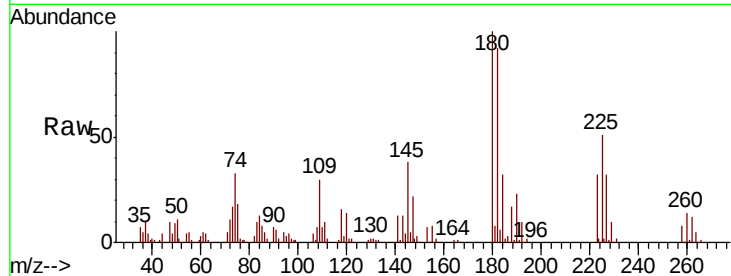
#93
 1,2,4-Trichlorobenzene
 Concen: 22.710 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	50.3	151.0
145	38.4	18.3	54.9

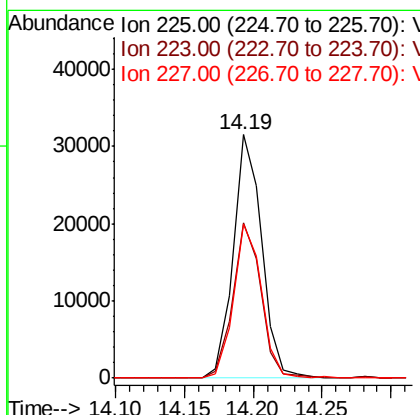
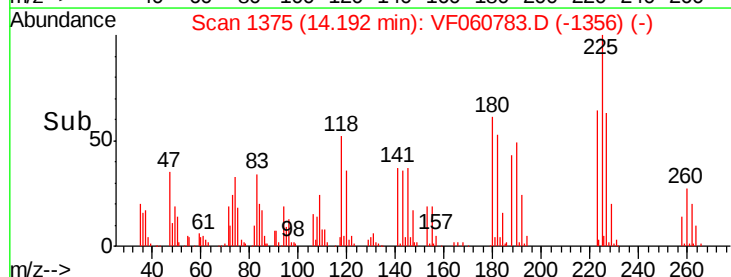
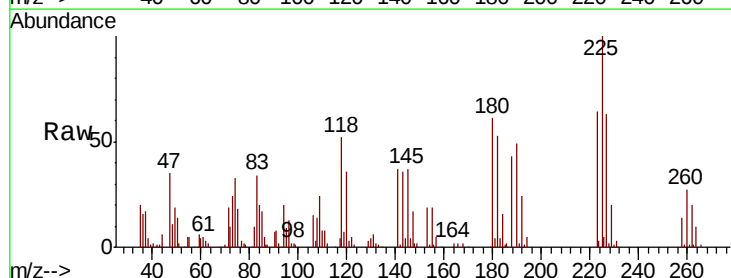
Manual Integrations
 APPROVED

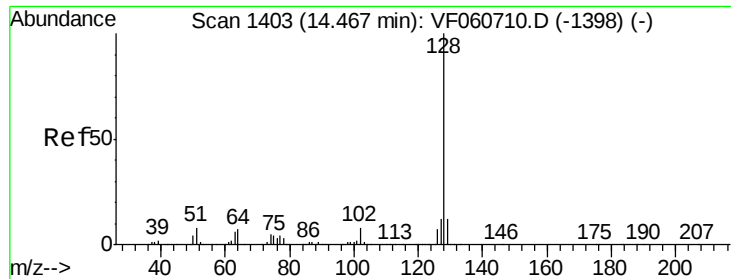
apatel
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#94
 Hexachlorobutadiene
 Concen: 22.534 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.5	94.5
227	63.2	33.0	99.0





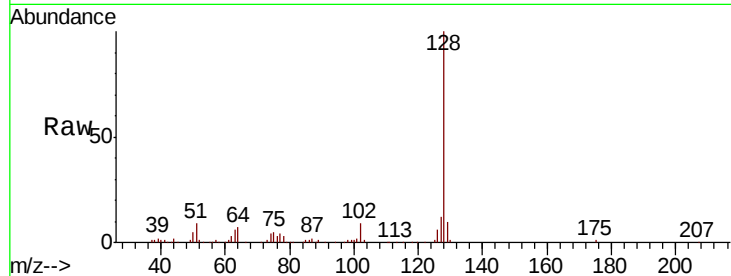
#95
Naphthalene
Concen: 22.678 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	10.1	9.3	13.9

Manual Integrations
APPROVED

apatel
11/20/2018 12:02:26 PM

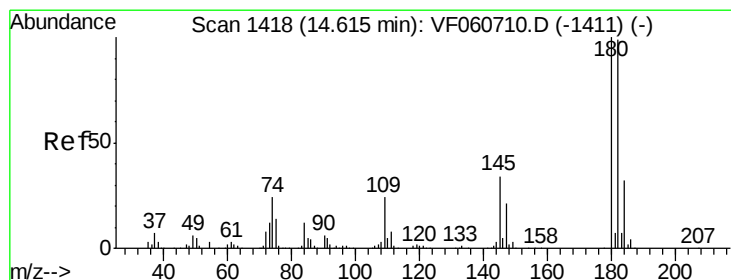
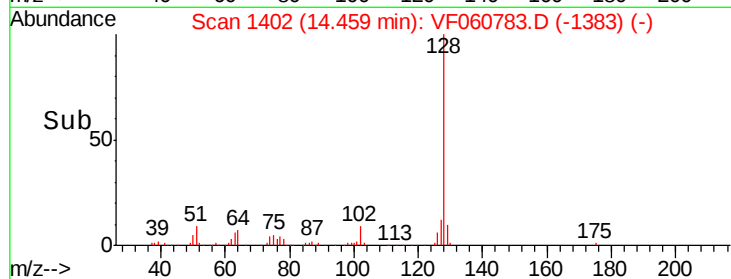
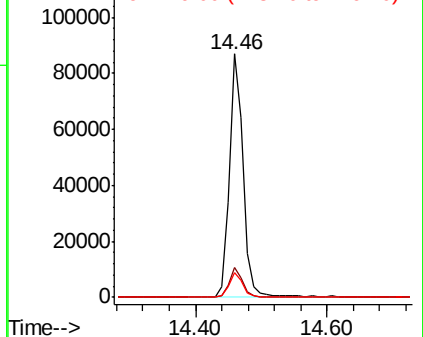


Abundance

Ion 128.00 (127.70 to 128.70): V

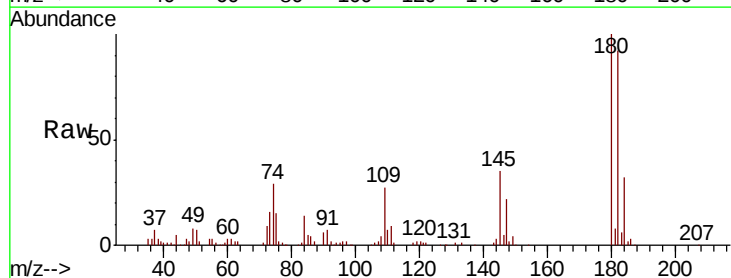
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.199 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	49.6	149.0
145	34.5	16.9	50.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

