

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061454.D
 Acq On : 18 Jan 2019 12:42
 Operator : VA/AP
 Sample : VF0118SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:11:09 AM

Quant Time: Jan 19 04:18:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	196389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	330314	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	309544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	154297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118051	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
35) Dibromofluoromethane	4.10	113	141187	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
50) Toluene-d8	7.54	98	394820	55.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	11.41	95	170515	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	72170	18.703	ug/l	86
3) Chloromethane	1.09	50	55836	19.734	ug/l	92
4) Vinyl Chloride	1.13	62	50684	20.138	ug/l	93
5) Bromomethane	1.31	94	30466	18.563	ug/l	98
6) Chloroethane	1.39	64	21523	19.299	ug/l #	84
7) Trichlorofluoromethane	1.46	101	88013m	17.988	ug/l	
8) Diethyl Ether	1.62	74	12596	20.091	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45276	19.258	ug/l	88
10) Methyl Iodide	1.90	142	70127m	19.240	ug/l	
11) Tert butyl alcohol	2.56	59	10037	97.796	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	36157	20.700	ug/l	94
13) Acrolein	1.99	56	4971	64.244	ug/l	90
14) Allyl chloride	2.09	41	48798	23.024	ug/l	93
15) Acrylonitrile	2.92	53	28234	107.398	ug/l	100
16) Acetone	2.22	43	56028	115.185	ug/l	99
17) Carbon Disulfide	1.80	76	106460m	19.547	ug/l	
18) Methyl Acetate	2.33	43	20358	21.104	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	70287	17.951	ug/l	97
20) Methylene Chloride	2.17	84	38922m	22.610	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36214	18.844	ug/l	88
22) Diisopropyl ether	2.79	45	132745	21.356	ug/l	99
23) Vinyl Acetate	3.17	43	301111	111.921	ug/l	99
24) 1,1-Dichloroethane	2.86	63	75611	19.381	ug/l	99
25) 2-Butanone	4.32	43	87095	107.672	ug/l	93
26) 2,2-Dichloropropane	3.59	77	46569	19.429	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	60632	21.373	ug/l	95
28) Bromochloromethane	3.70	49	33180	18.921	ug/l #	92
29) Tetrahydrofuran	4.07	42	34970	100.401	ug/l	97
30) Chloroform	3.84	83	104726	19.891	ug/l	100
31) Cyclohexane	3.67	56	84565m	21.700	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	72297	18.728	ug/l	93
36) 1,1-Dichloropropene	4.27	75	79683	20.806	ug/l	99
37) Ethyl Acetate	4.09	43	31779	20.758	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65667	19.613	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	89217	21.496	ug/l	97
40) Benzene	4.61	78	184175	21.612	ug/l	99
41) Methacrylonitrile	4.73	41	18782	23.057	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	60203	19.825	ug/l	100
43) Isopropyl Acetate	6.95	43	38901	20.246	ug/l #	97
44) Trichloroethene	5.49	130	59272	22.673	ug/l	95
45) 1,2-Dichloropropane	6.22	63	46198	20.655	ug/l	98
46) Dibromomethane	6.08	93	29262	19.676	ug/l	97
47) Bromodichloromethane	6.38	83	75771	20.592	ug/l	97
48) Methyl methacrylate	6.70	41	25671	19.897	ug/l	94
49) 1,4-Dioxane	6.69	88	3991	401.601	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	150770	106.738	ug/l	99
52) Toluene	7.61	92	119430	21.281	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	60407	20.674	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	82543	22.600	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	33912	21.279	ug/l	97
56) Ethyl methacrylate	8.61	69	35783	19.299	ug/l	95
57) 1,3-Dichloropropane	8.84	76	61158	20.474	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	21576	126.275	ug/l	94
59) 2-Hexanone	9.48	43	118120	119.921	ug/l	93
60) Dibromochloromethane	8.71	129	47269	20.288	ug/l	99
61) 1,2-Dibromoethane	8.97	107	34373	18.841	ug/l	90
64) Tetrachloroethene	8.14	164	48232	20.720	ug/l	94
65) Chlorobenzene	9.79	112	134382	21.348	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	51916	20.703	ug/l	95
67) Ethyl Benzene	9.89	91	239184	20.797	ug/l	100
68) m/p-Xylenes	10.13	106	179900	43.491	ug/l	99
69) o-Xylene	10.71	106	98109	21.884	ug/l	93
70) Styrene	10.78	104	134455	21.910	ug/l	99
71) Bromoform	10.77	173	23379	20.750	ug/l #	96
73) Isopropylbenzene	11.12	105	285287	22.733	ug/l	98
74) N-amyl acetate	11.37	43	69872	23.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	47017	21.031	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	33642	20.943	ug/l	87
77) Bromobenzene	11.49	156	54818	20.684	ug/l	86
78) n-propylbenzene	11.59	91	349370	21.422	ug/l	97
79) 2-Chlorotoluene	11.71	91	189689	21.785	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	230967	22.806	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	15129m	21.665	ug/l	
82) 4-Chlorotoluene	11.89	91	192214	21.876	ug/l	100
83) tert-Butylbenzene	12.13	119	232259	22.158	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	222528	21.332	ug/l	94
85) sec-Butylbenzene	12.30	105	330764	23.236	ug/l	93
86) p-Isopropyltoluene	12.45	119	268532	22.980	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	112559	20.218	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	107395	21.444	ug/l	94
89) n-Butylbenzene	12.84	91	290495	24.105	ug/l	95
90) Hexachloroethane	12.91	117	62590	22.722	ug/l	82
91) 1,2-Dichlorobenzene	12.94	146	104711	21.120	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6927	17.469	ug/l	82

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72558	20.891	ug/l	95
94) Hexachlorobutadiene	14.19	225	45891	21.294	ug/l	96
95) Naphthalene	14.46	128	124299	18.837	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	63515	19.756	ug/l	98

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

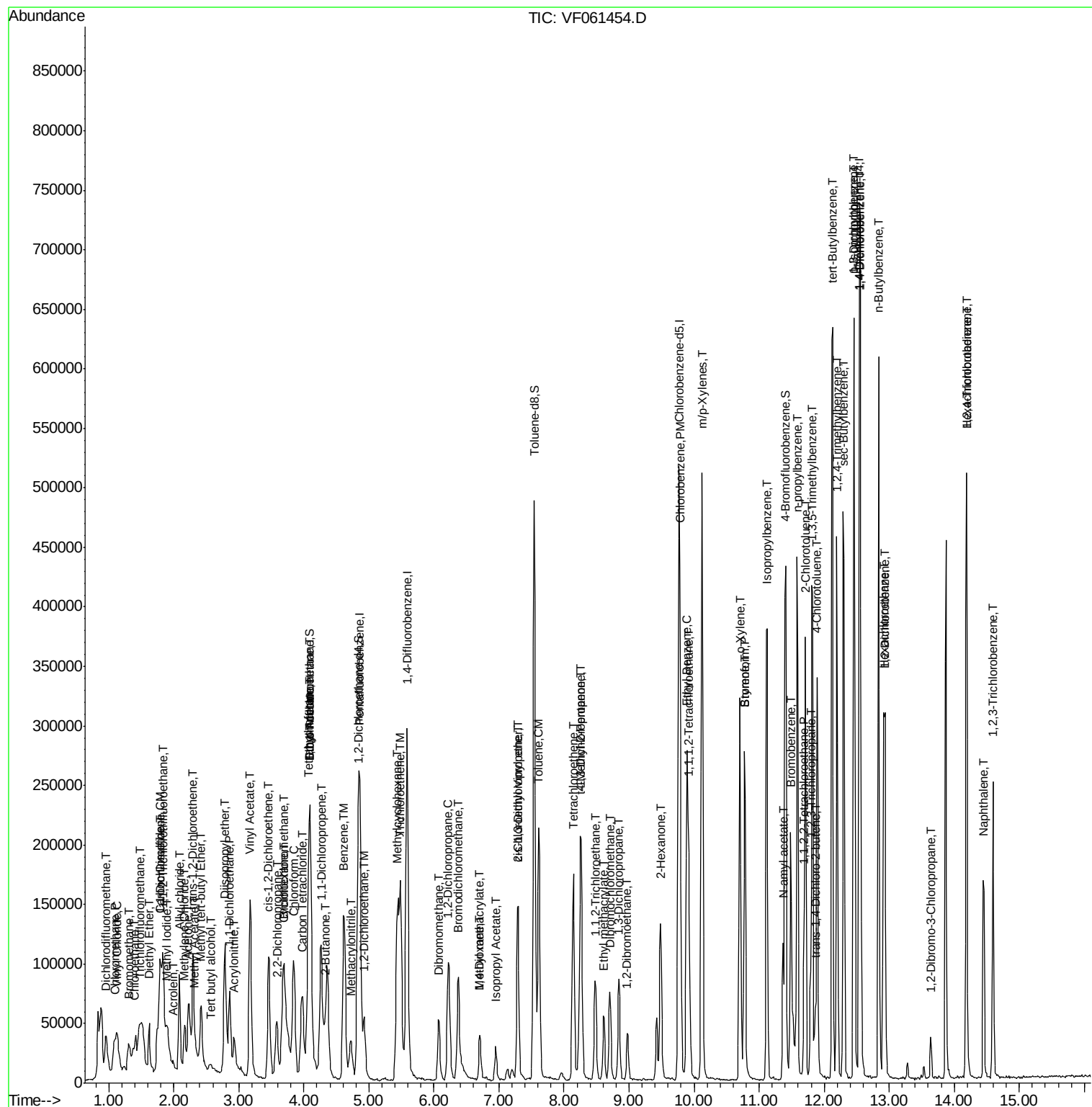
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 Data File : VF061454.D
 Acq On : 18 Jan 2019 12:42
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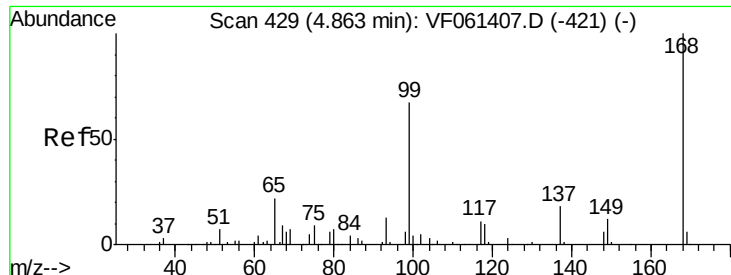
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion:168 Resp: 196389

Ion Ratio Lower Upper

168 100

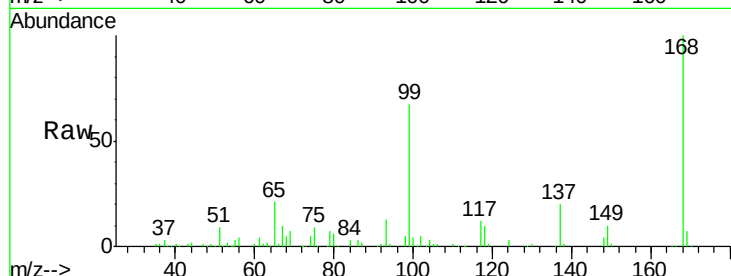
99 66.8 53.5 80.3

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

4.86

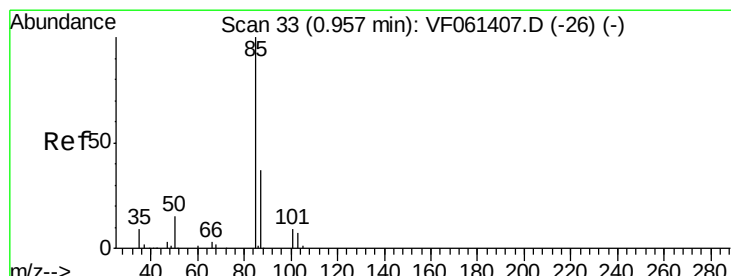
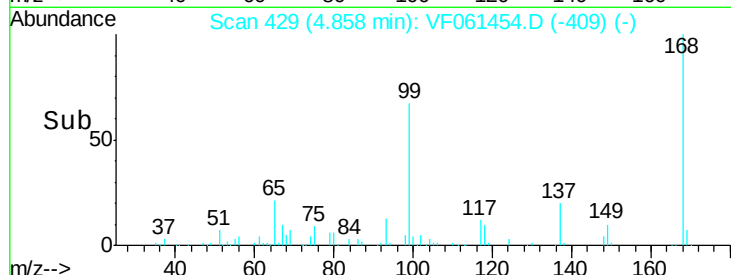
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.703 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061454.D

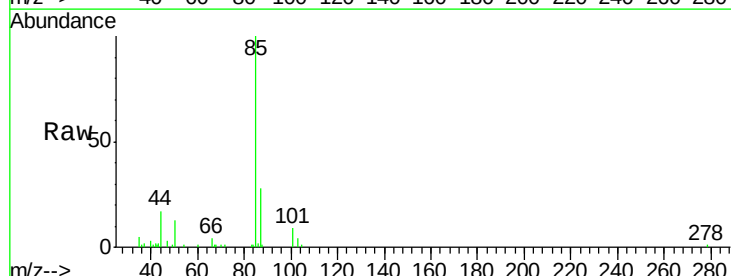
Acq: 18 Jan 2019 12:42

Tgt Ion: 85 Resp: 72170

Ion Ratio Lower Upper

85 100

87 28.2 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

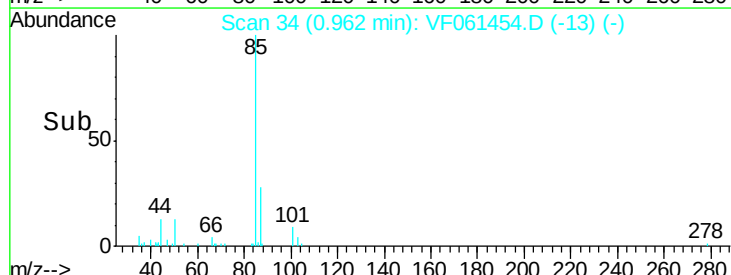
15000

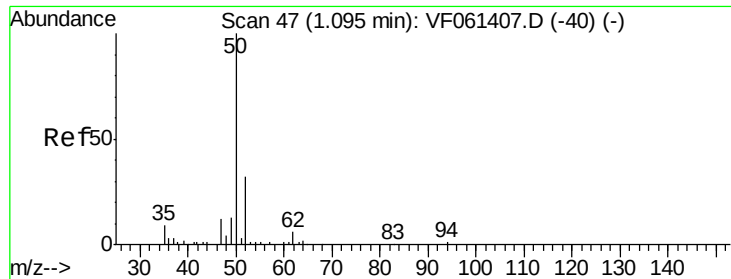
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.734 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 50 Resp: 55836

Ion Ratio Lower Upper

50 100

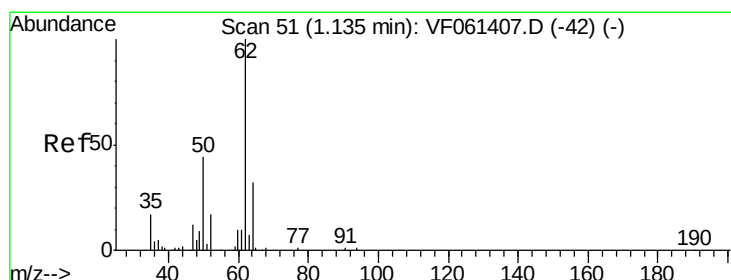
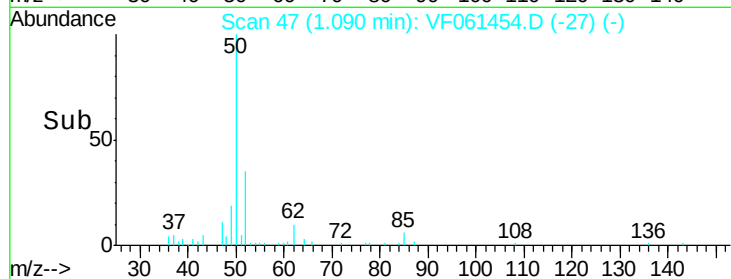
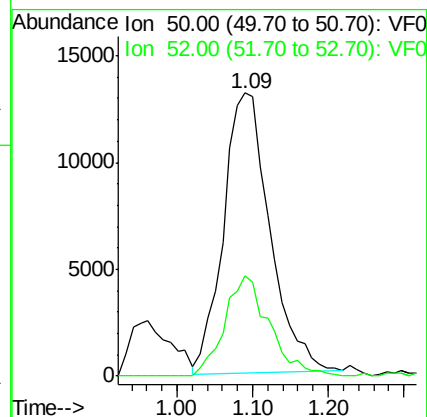
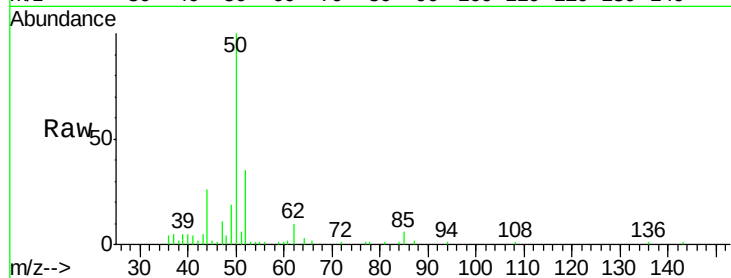
52 35.2 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061454.D

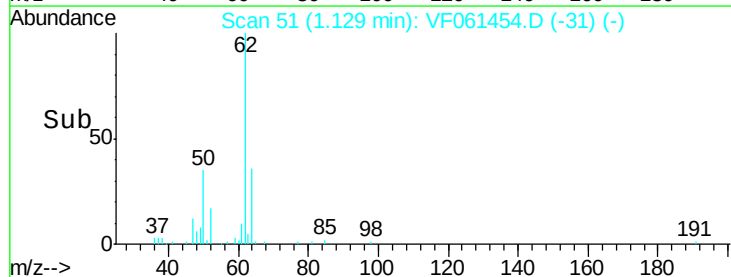
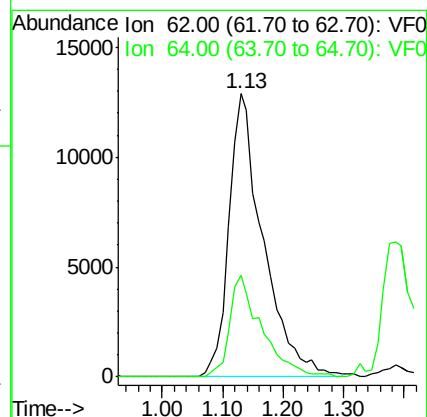
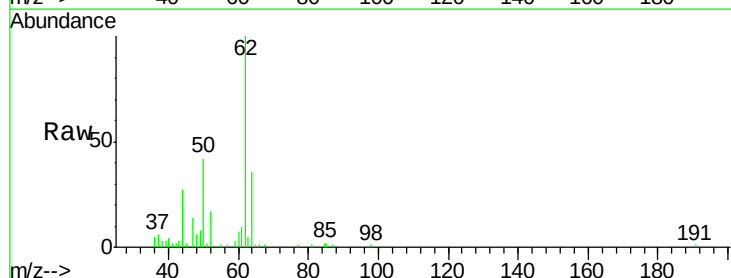
Acq: 18 Jan 2019 12:42

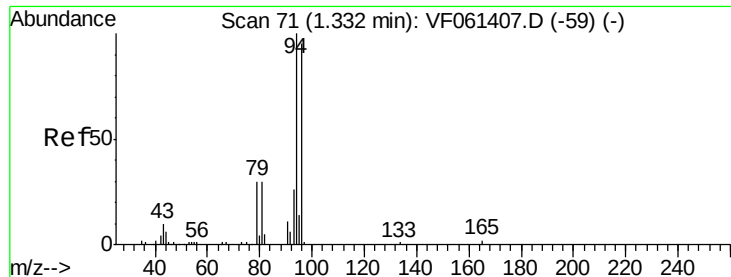
Tgt Ion: 62 Resp: 50684

Ion Ratio Lower Upper

62 100

64 35.8 25.6 38.4





#5

Bromomethane

Concen: 18.563 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 94 Resp: 30466

Ion Ratio Lower Upper

94 100

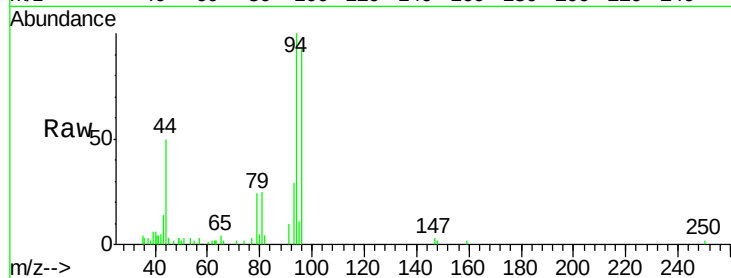
96 92.8 76.0 114.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

8000

6000

4000

2000

0

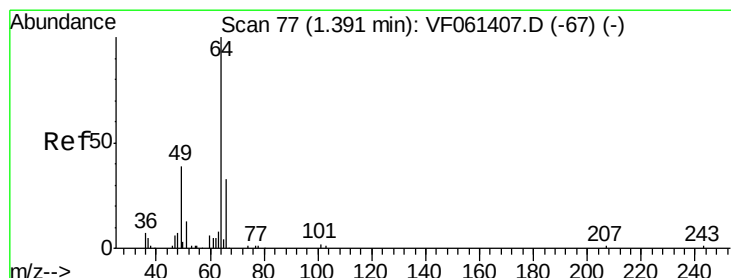
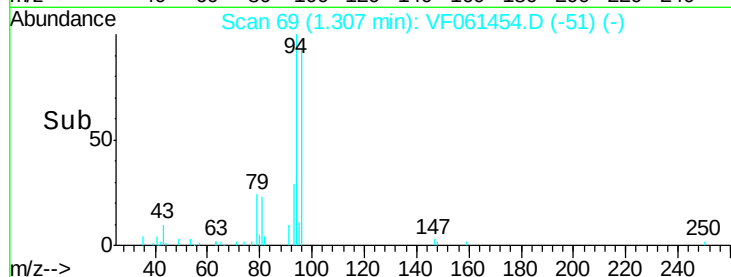
Time-->

1.20

1.30

1.40

1.50



#6

Chloroethane

Concen: 19.299 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061454.D

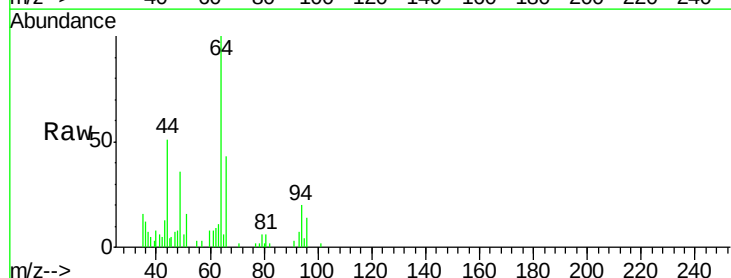
Acq: 18 Jan 2019 12:42

Tgt Ion: 64 Resp: 21523

Ion Ratio Lower Upper

64 100

66 42.6 26.6 40.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.39

6000

4000

2000

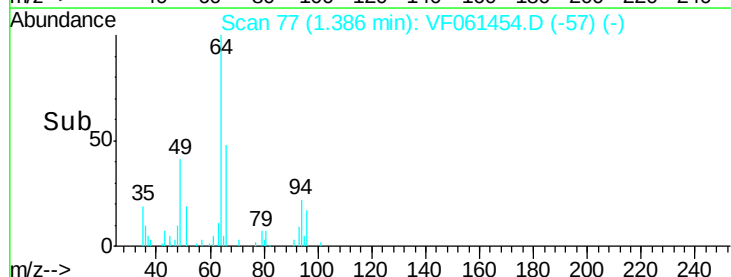
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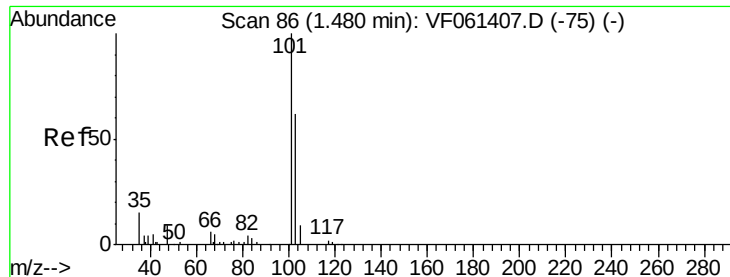
Time-->

1.30

1.40

1.50





#7

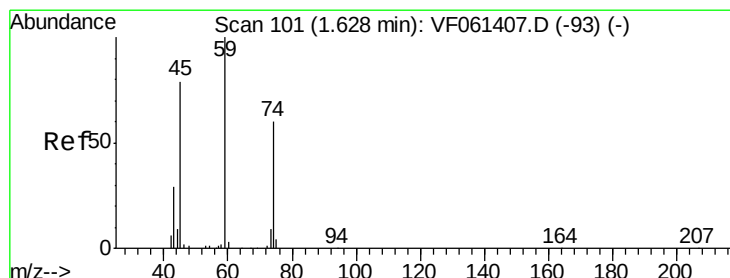
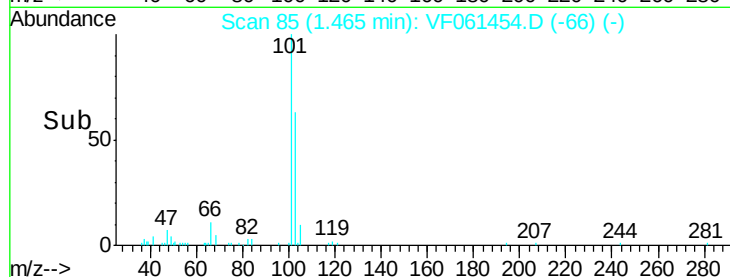
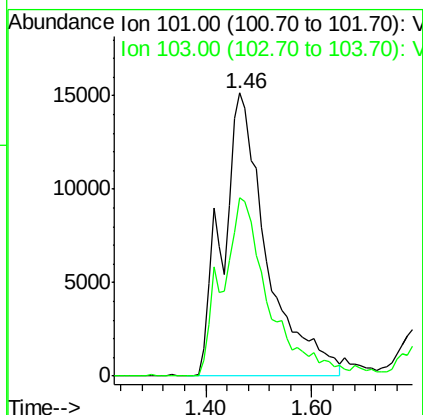
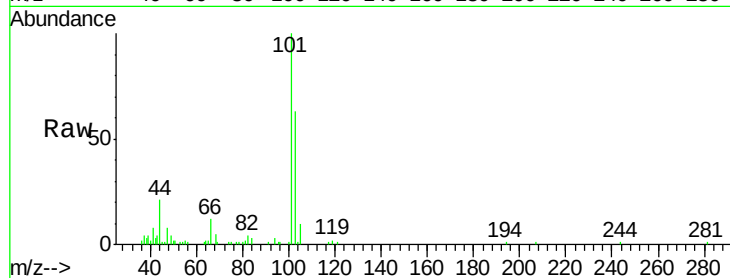
Trichlorofluoromethane
Concen: 17.988 ug/l m
RT: 1.46 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:101 Resp: 88013
Ion Ratio Lower Upper
101 100
103 63.0 49.7 74.5

Manual Integrations
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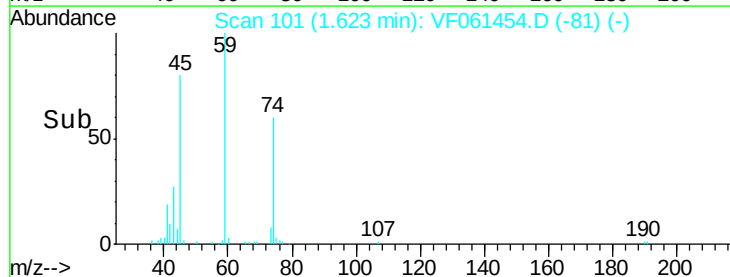
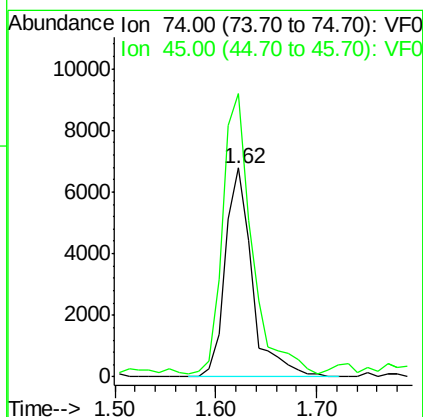
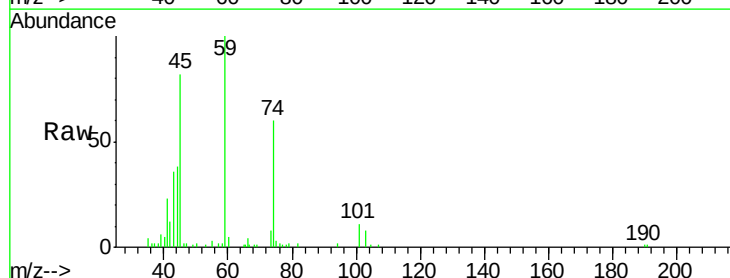
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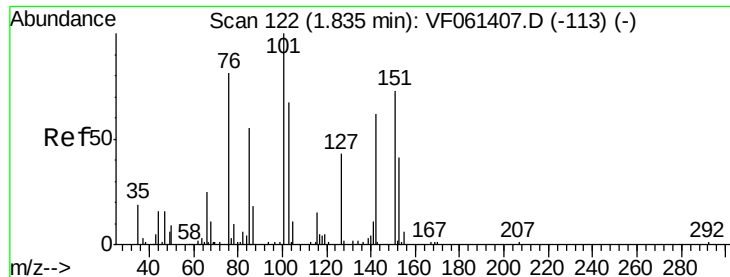


#8

Diethyl Ether
Concen: 20.091 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 74 Resp: 12596
Ion Ratio Lower Upper
74 100
45 135.5 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.258 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

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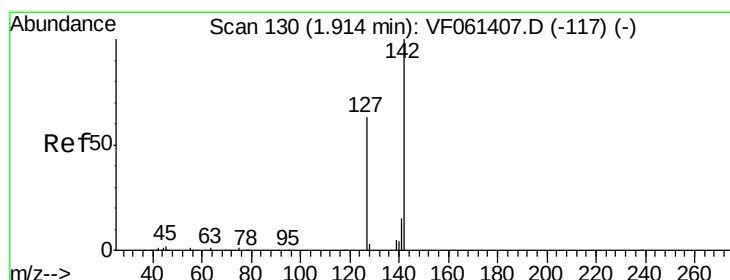
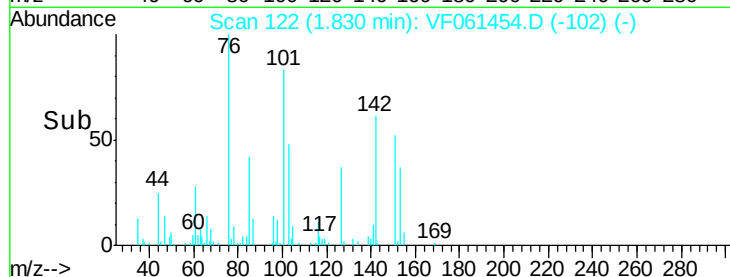
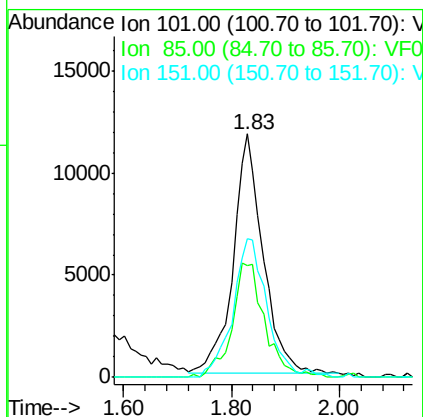
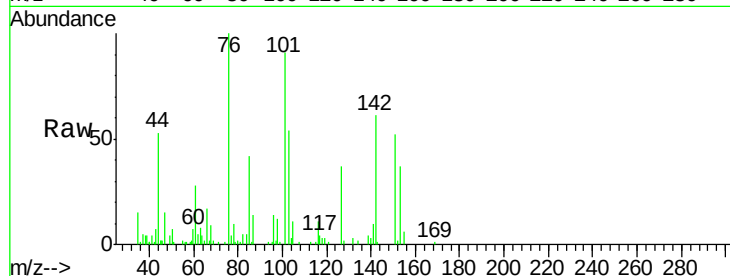
ClientSampleId :

VF0118SBS01

Tot Ion:	101	Resp:	45276
Ion Ratio	Lower	Upper	
101	100		
85	45.7	41.9	62.9
151	57.0	55.1	82.7

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#10

Methyl Iodide

Concen: 19.240 ug/l m

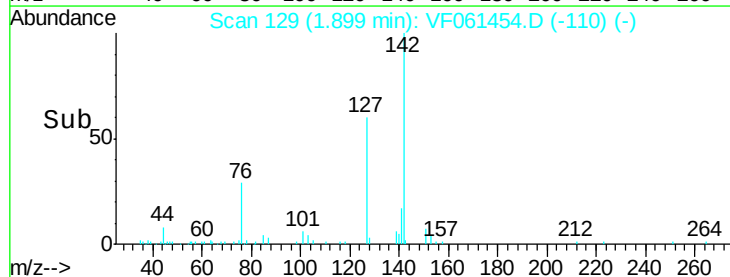
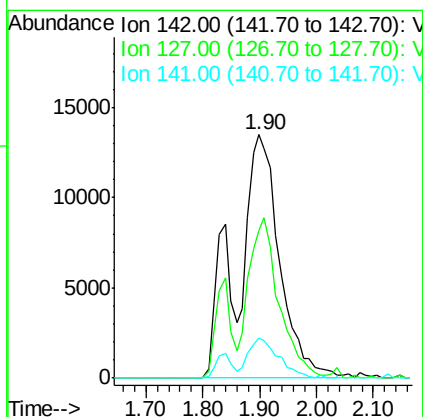
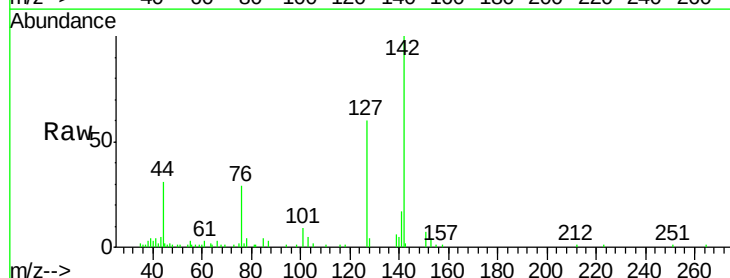
RT: 1.90 min Scan# 129

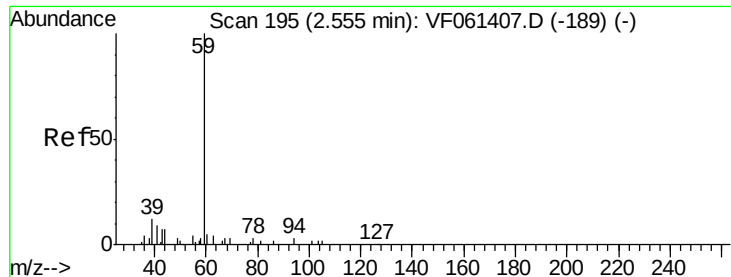
Delta R.T. -0.02 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	142	Resp:	70127
Ion Ratio	Lower	Upper	
142	100		
127	60.4	50.7	76.1
141	16.7	11.8	17.6





#11

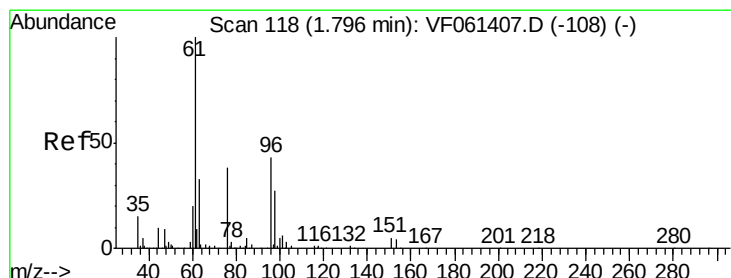
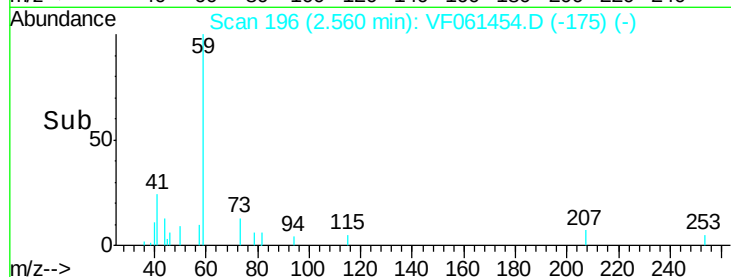
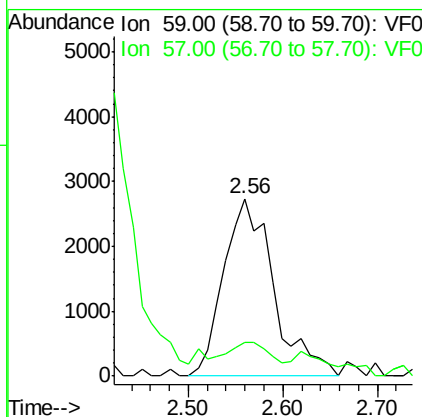
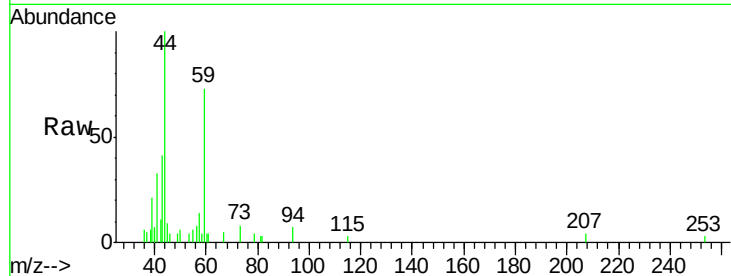
Tert butyl alcohol
Concen: 97.796 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.1	11.9	17.9#

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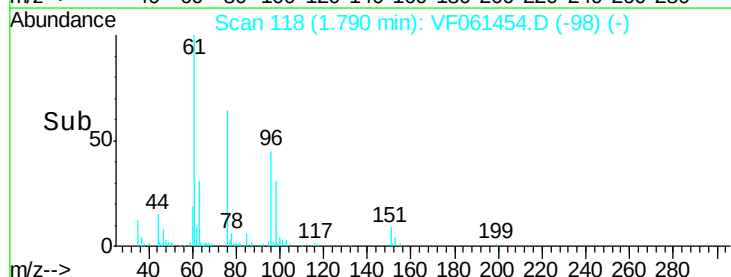
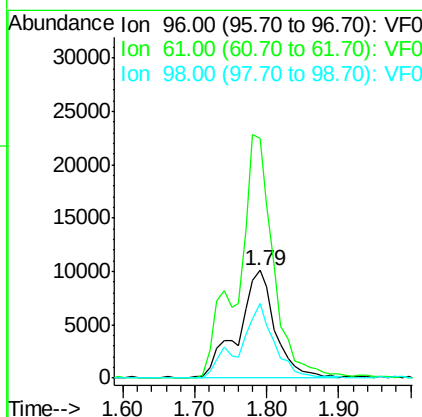
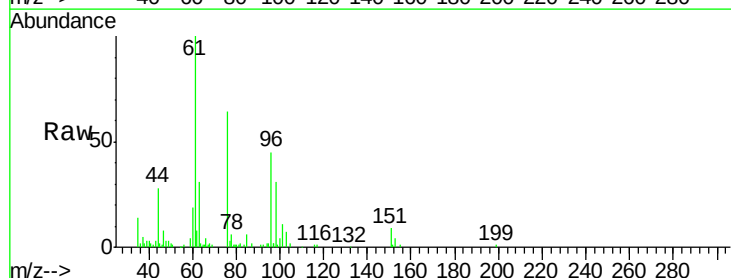
MMDadoda
1/21/2019 11:11:09 AM

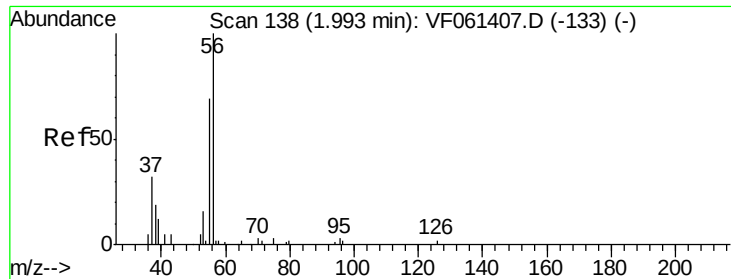


#12

1,1-Dichloroethene
Concen: 20.700 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	222.7	186.9	280.3
98	69.1	53.0	79.4





#13

Acrolein

Concen: 64.244 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 56 Resp: 4971

Ion Ratio Lower Upper

56 100

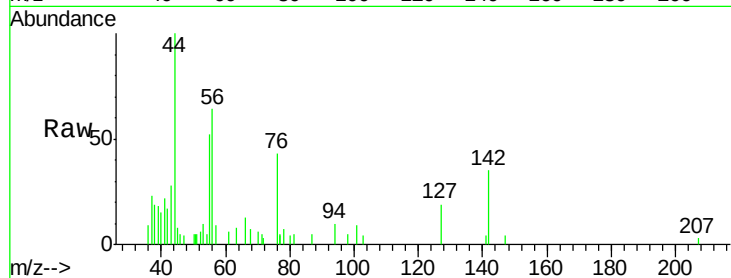
55 80.4 57.5 86.3

Manual Integrations

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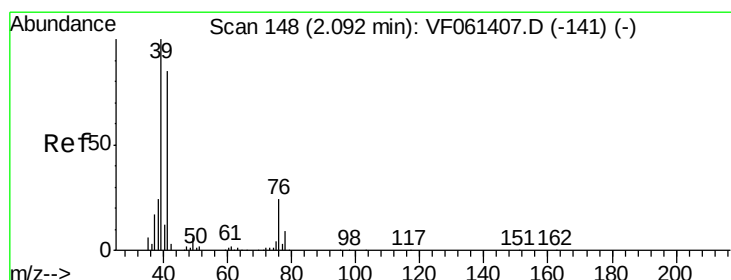
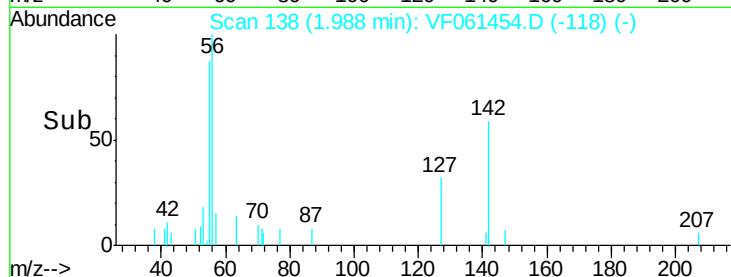
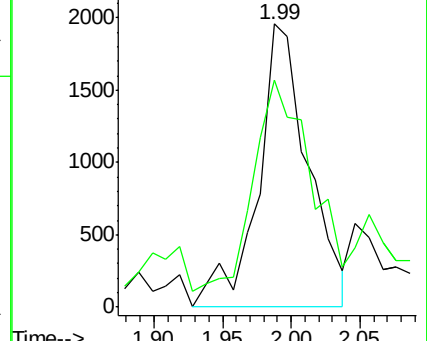
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.024 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

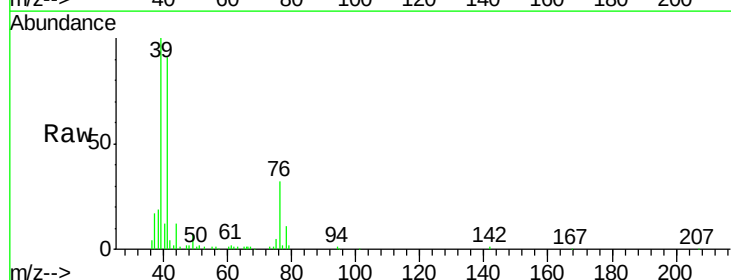
Tgt Ion: 41 Resp: 48798

Ion Ratio Lower Upper

41 100

39 110.0 94.6 141.8

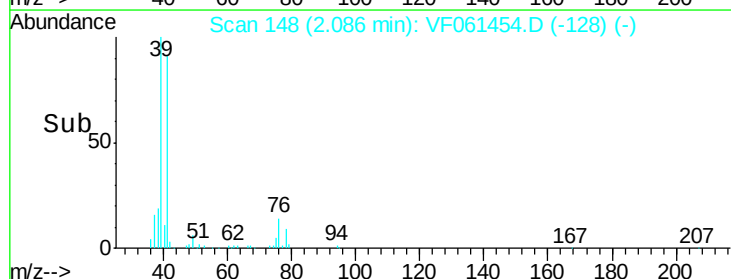
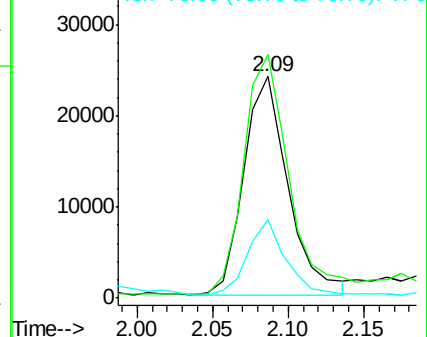
76 35.3 25.9 38.9

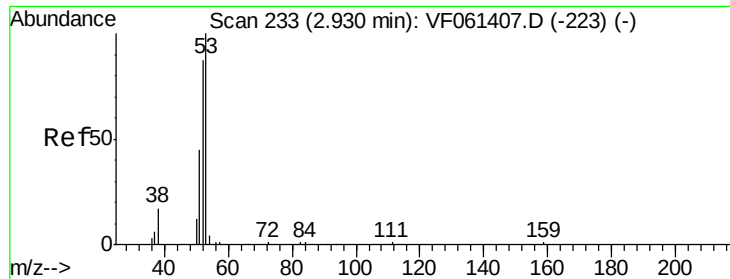


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 107.398 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

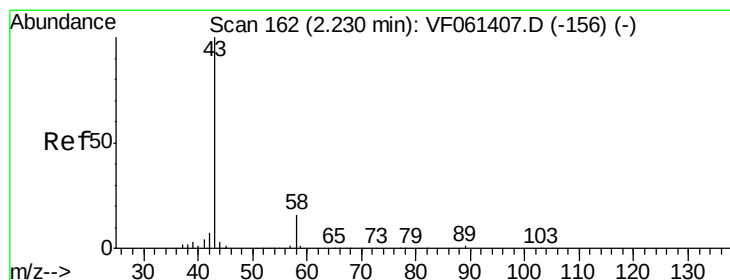
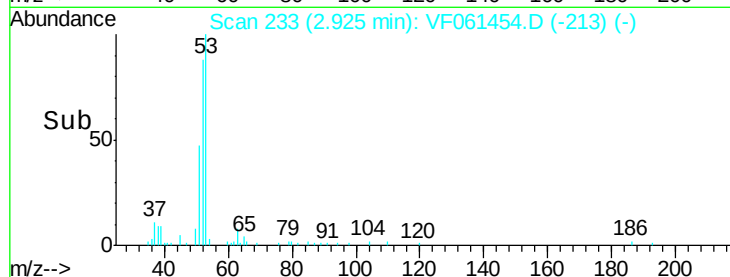
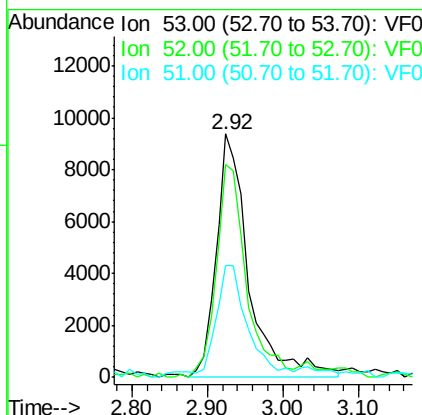
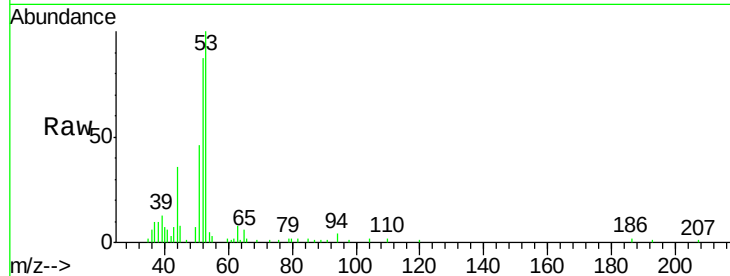
ClientSampleId :

VF0118SBS01

Tot Ion:	53	Resp:	28234
Ion	Ratio	Lower	Upper
53	100		
52	87.4	69.6	104.4
51	46.2	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 115.185 ug/l

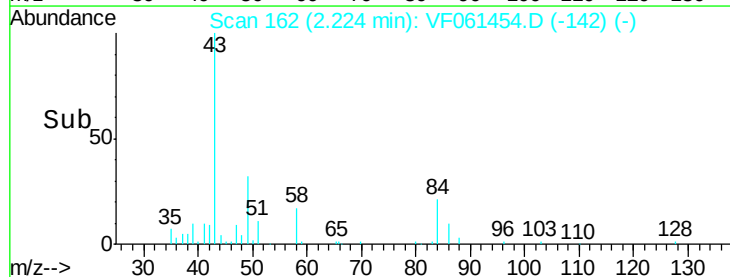
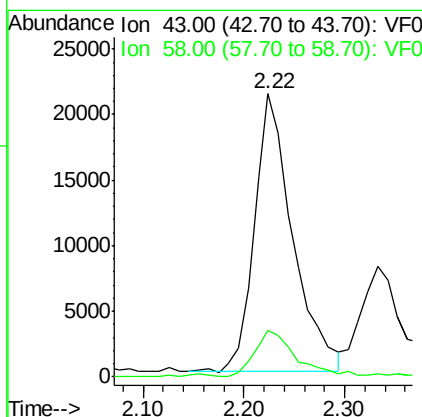
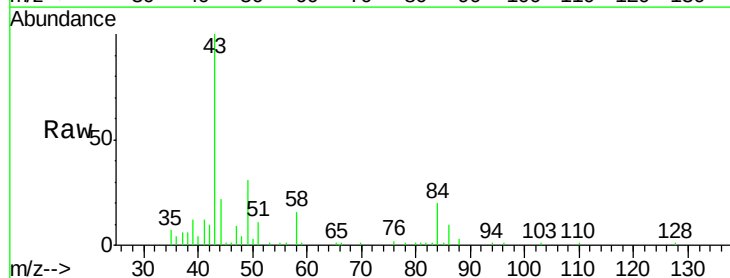
RT: 2.22 min Scan# 162

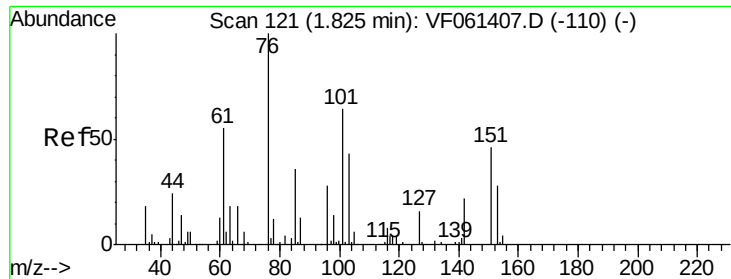
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	43	Resp:	56028
Ion	Ratio	Lower	Upper
43	100		
58	16.4	13.3	19.9





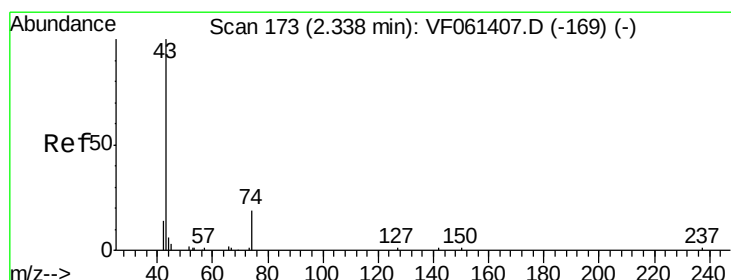
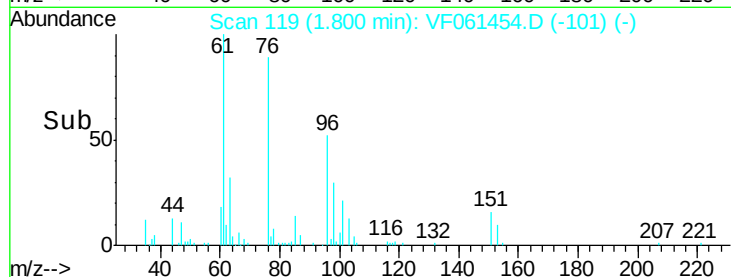
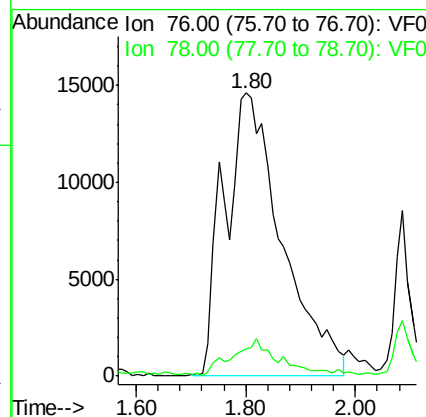
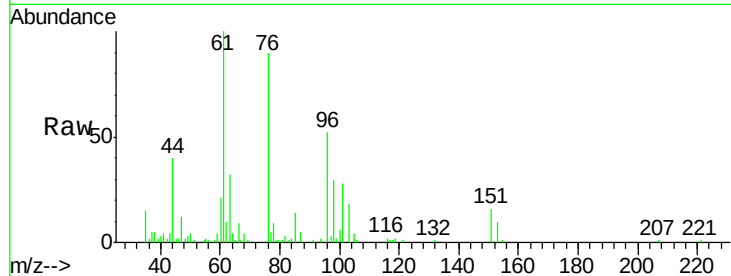
#17
Carbon Disulfide
Concen: 19.547 ug/l m
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion: 76 Resp: 106460
Ion Ratio Lower Upper
76 100
78 9.8 9.6 14.4

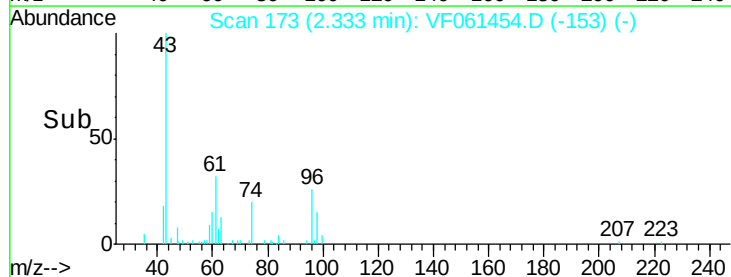
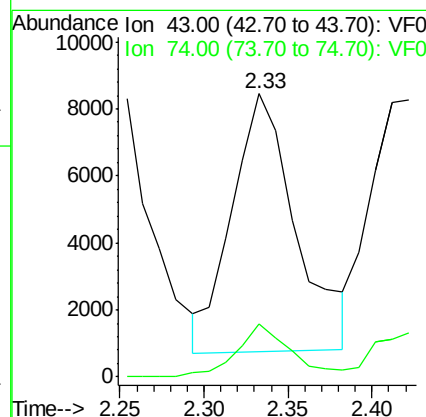
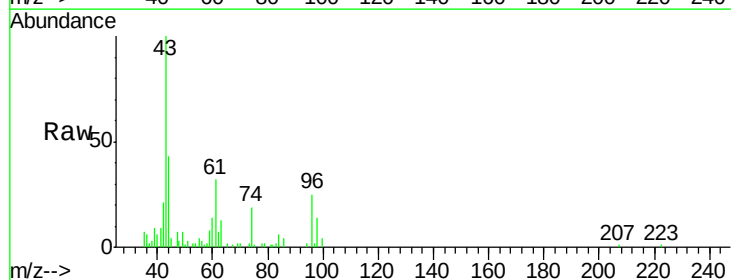
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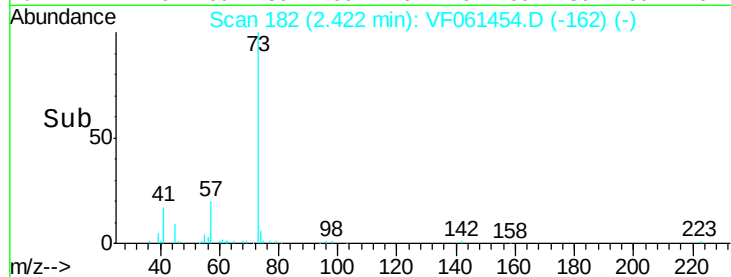
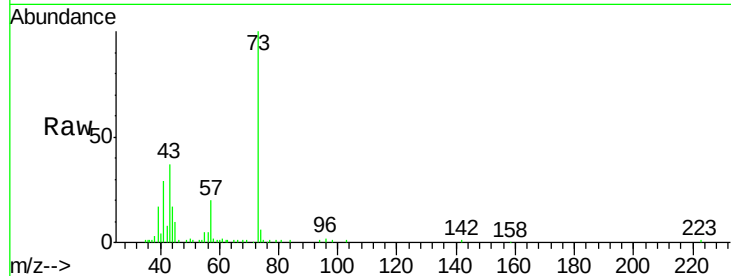
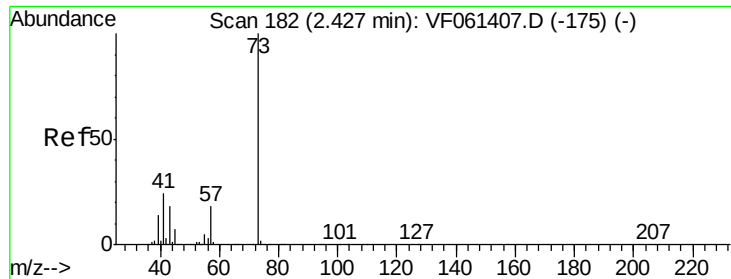
MMDadoda
1/21/2019 11:11:09 AM



#18
Methyl Acetate
Concen: 21.104 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 43 Resp: 20358
Ion Ratio Lower Upper
43 100
74 18.5 13.4 20.0





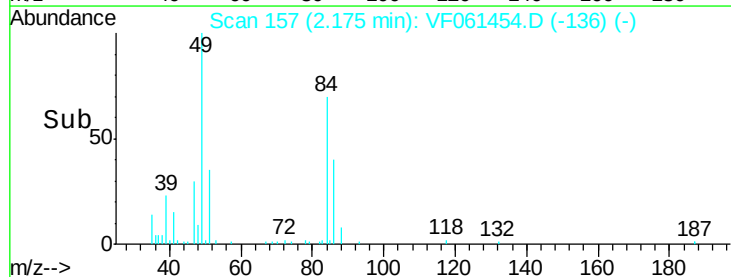
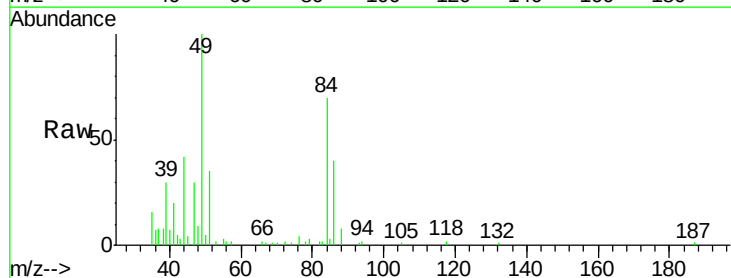
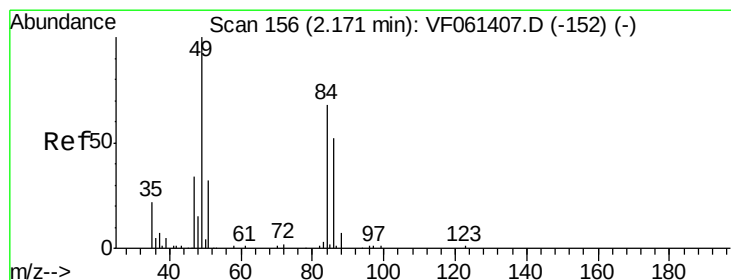
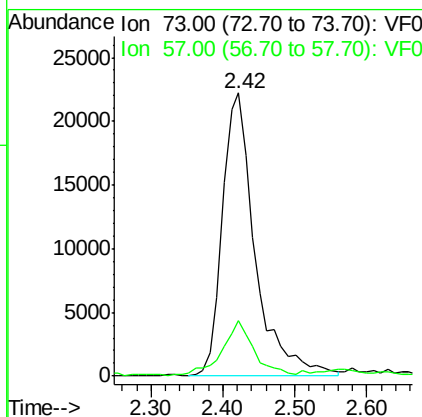
#19
Methyl tert-butyl Ether
Concen: 17.951 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	14.8	22.2

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

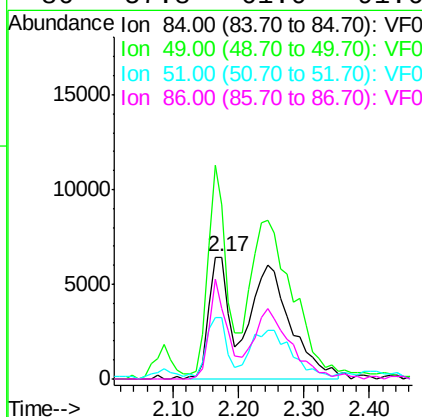
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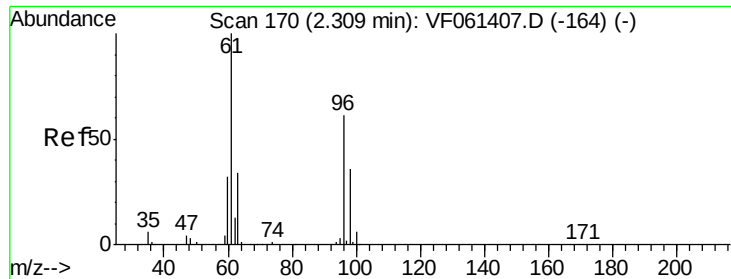
MMDadoda
1/21/2019 11:11:09 AM



#20
Methylene Chloride
Concen: 22.610 ug/l m
RT: 2.17 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.9	120.0	180.0
51	50.5	38.6	58.0
86	57.8	61.0	91.6#





#21

trans-1,2-Dichloroethene

Concen: 18.844 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

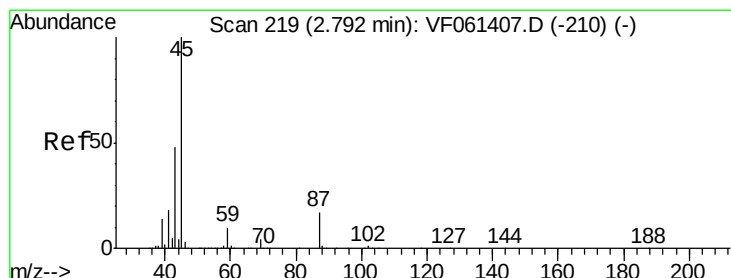
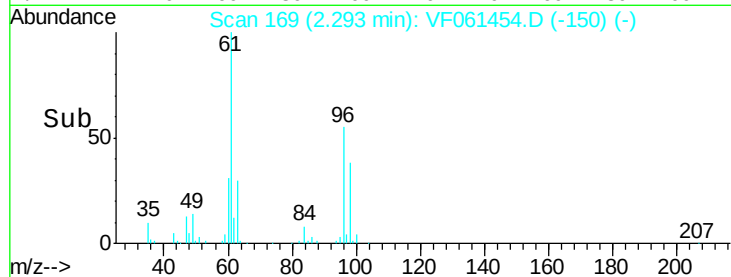
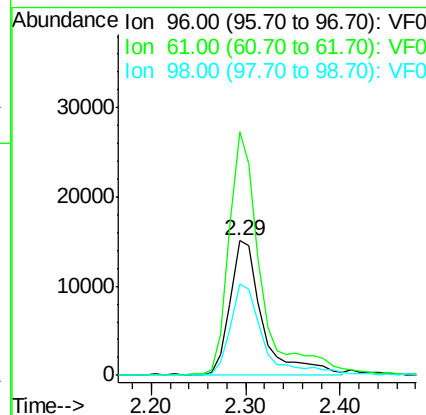
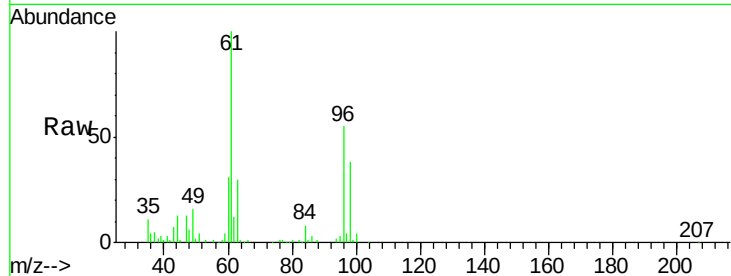
ClientSampleId :

VF0118SBS01

Tot Ion:	96	Resp:	36214
Ion	Ratio	Lower	Upper
96	100		
61	180.9	131.8	197.8
98	68.2	47.4	71.0

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#22

Diisopropyl ether

Concen: 21.356 ug/l

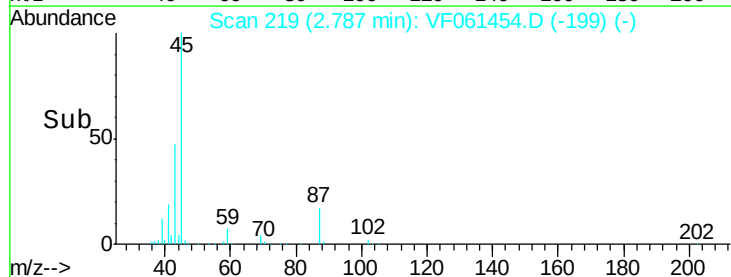
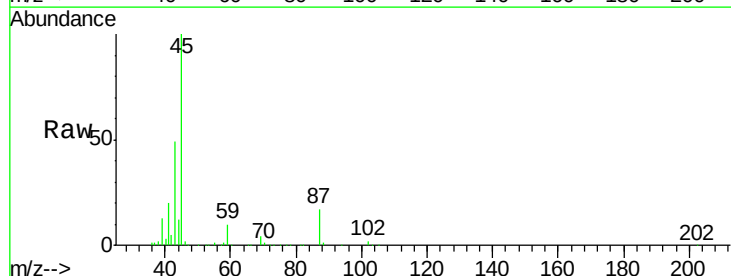
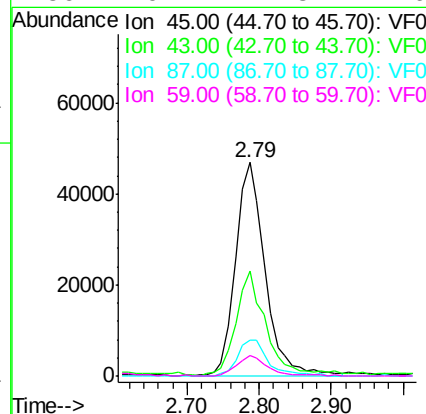
RT: 2.79 min Scan# 219

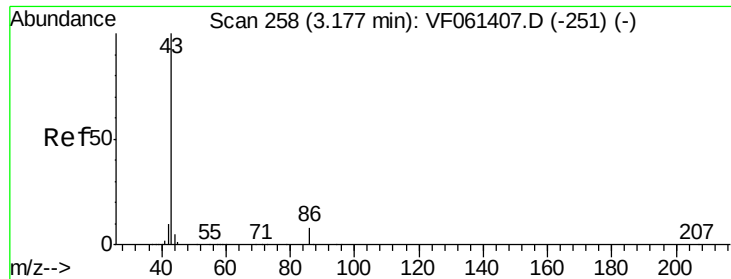
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	45	Resp:	132745
Ion	Ratio	Lower	Upper
45	100		
43	49.1	39.0	58.6
87	16.7	13.9	20.9
59	9.7	7.8	11.6





#23

Vinyl Acetate

Concen: 111.921 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 43 Resp: 301111

Ion Ratio Lower Upper

43 100

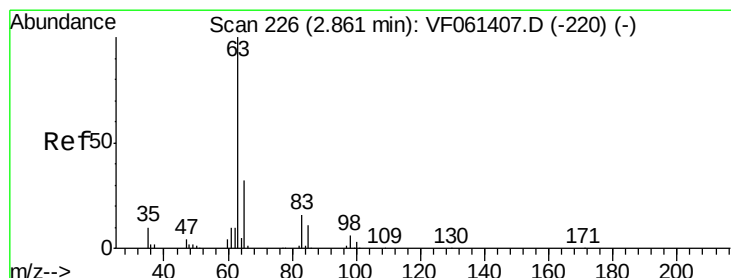
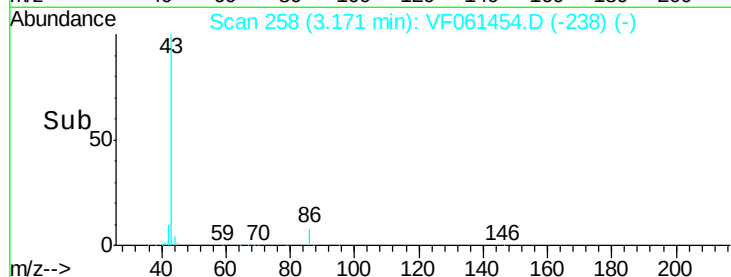
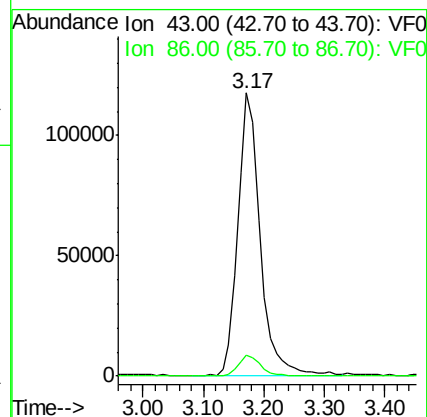
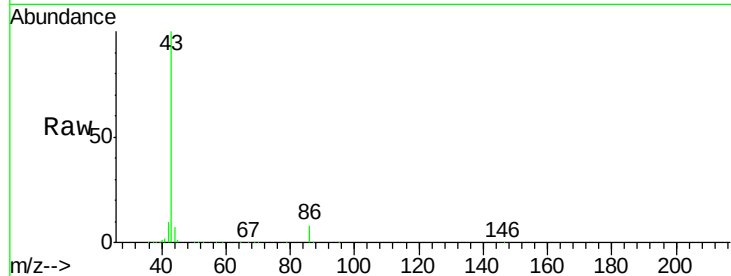
86 7.6 6.2 9.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.381 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

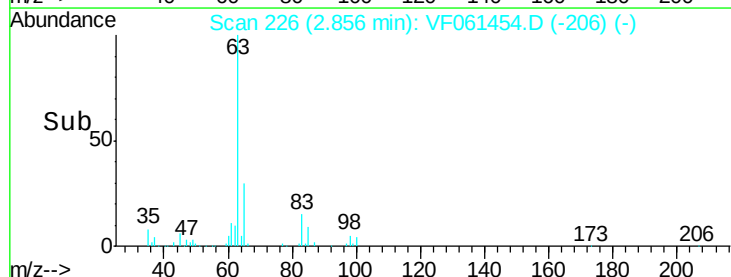
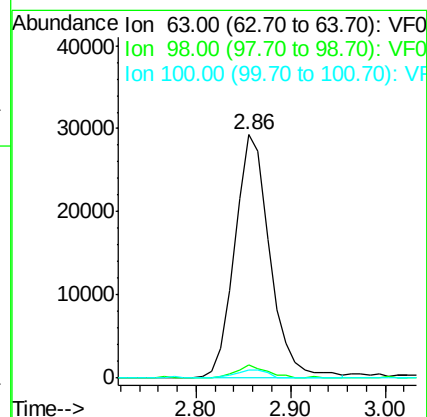
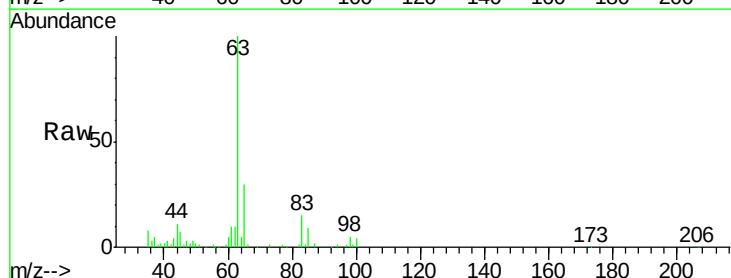
Tgt Ion: 63 Resp: 75611

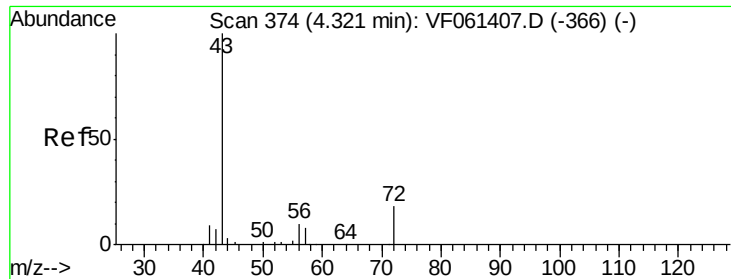
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

100 3.5 1.6 4.8





#25

2-Butanone

Concen: 107.672 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 43 Resp: 87095

Ion Ratio Lower Upper

43 100

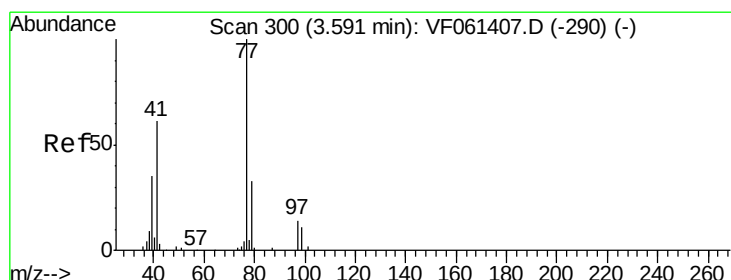
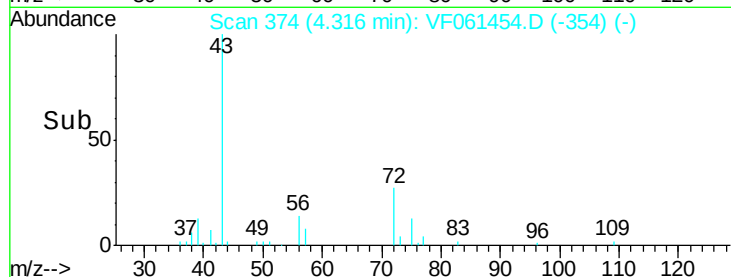
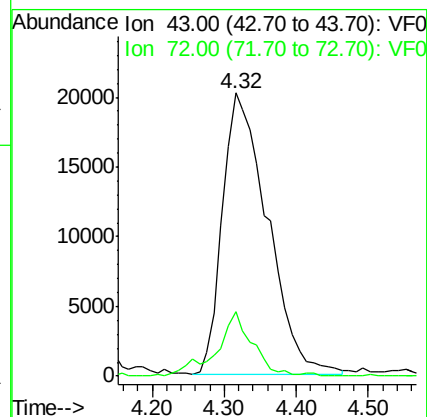
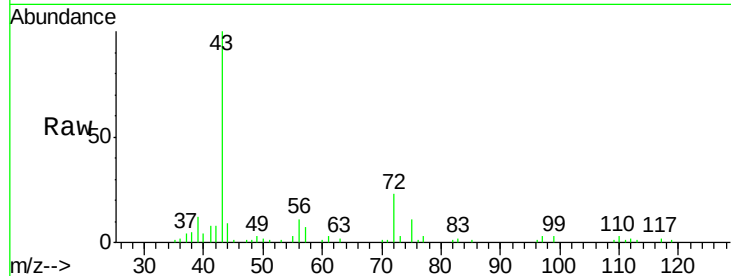
72 22.7 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.429 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061454.D

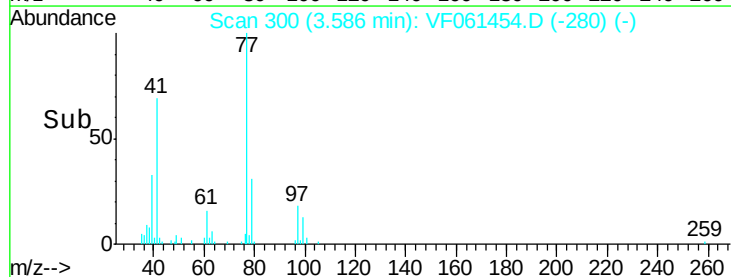
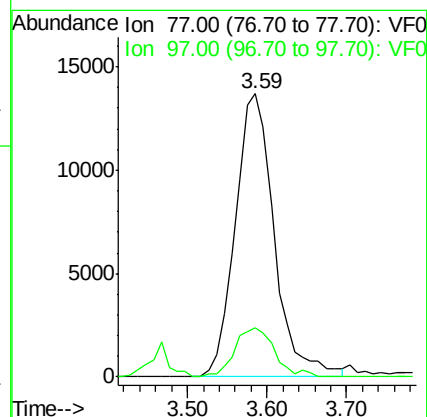
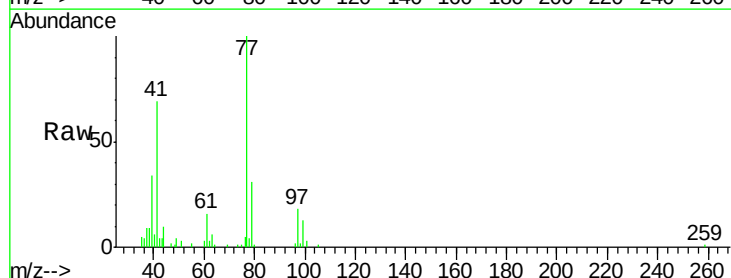
Acq: 18 Jan 2019 12:42

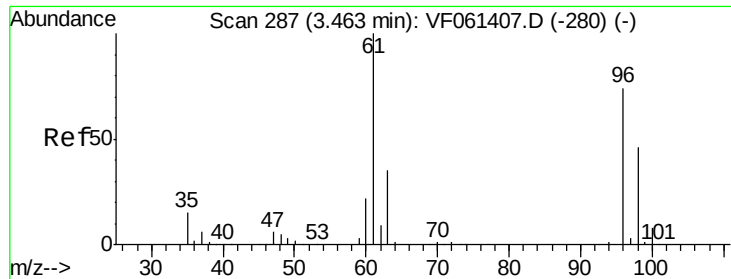
Tgt Ion: 77 Resp: 46569

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5





#27

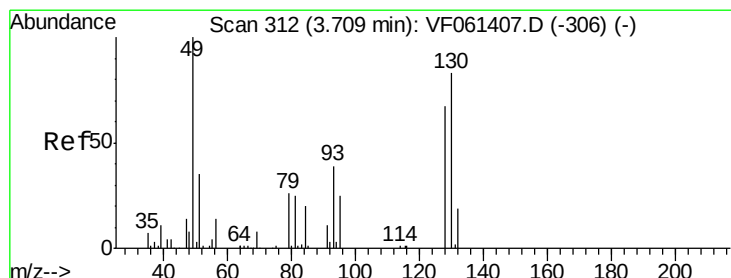
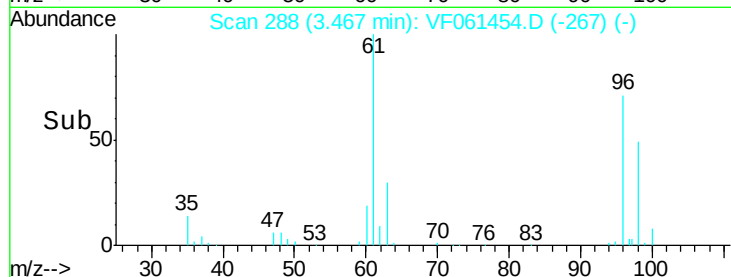
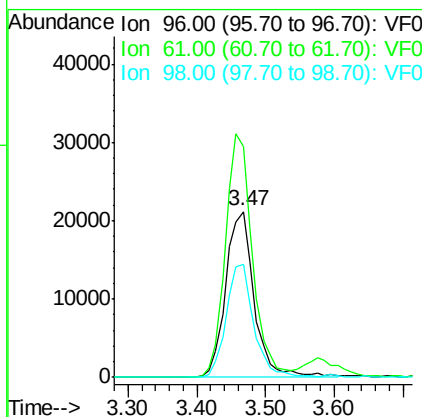
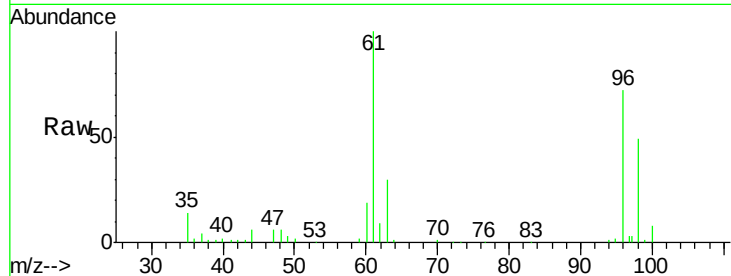
cis-1,2-Dichloroethene
Concen: 21.373 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60632		
61	139.1	0.0	270.2	
98	68.4	0.0	124.0	

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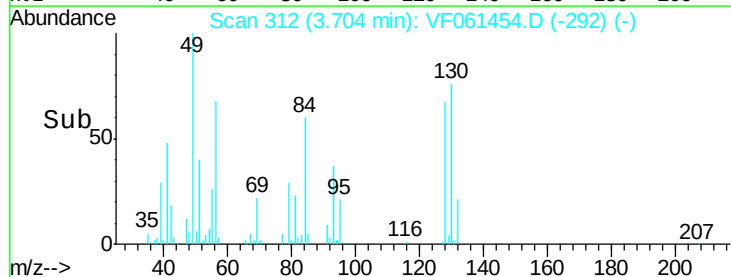
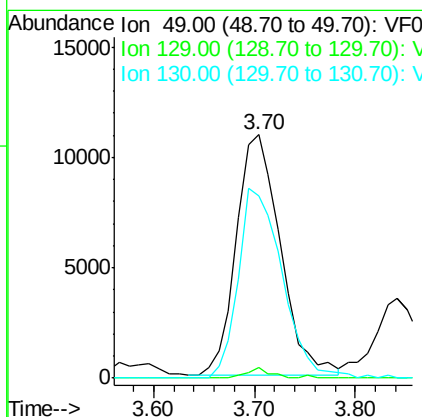
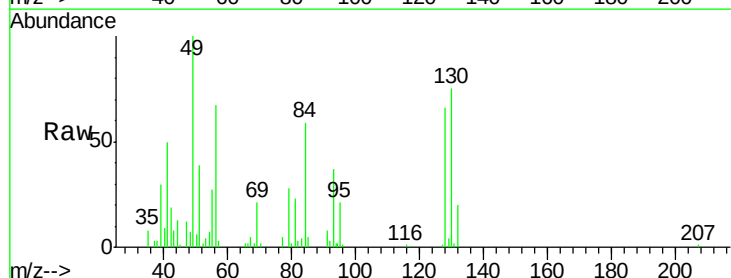
MMDadoda
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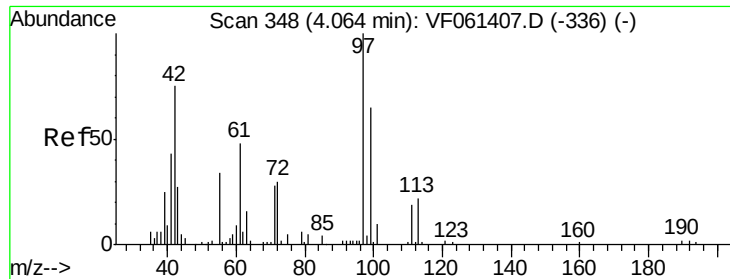


#28

Bromochloromethane
Concen: 18.921 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33180		
129	4.4	0.0	0.0#	
130	74.8	65.4	98.2	





#29

Tetrahydrofuran

Concen: 100.401 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

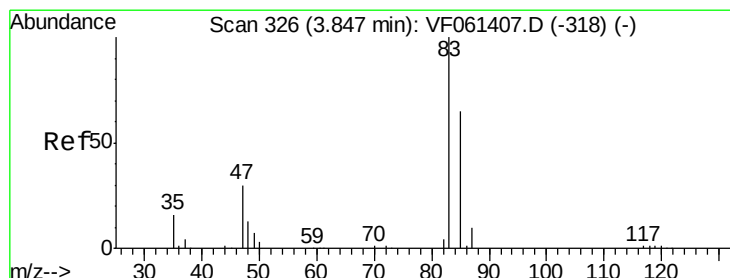
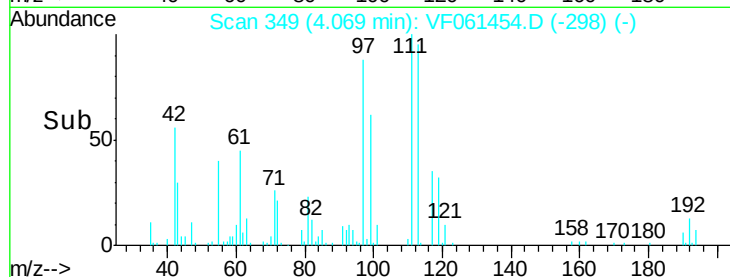
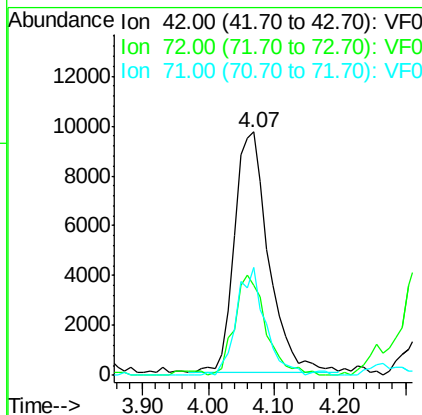
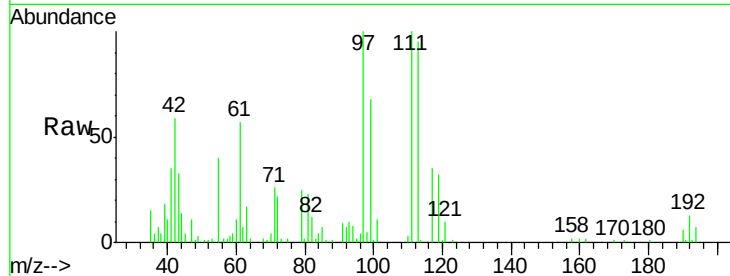
ClientSampleId :

VF0118SBS01

Tot Ion:	42	Resp:	34970
Ion	Ratio	Lower	Upper
42	100		
72	38.8	28.9	43.3
71	37.9	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 19.891 ug/l

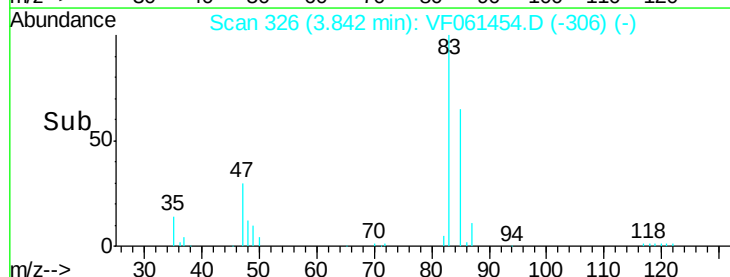
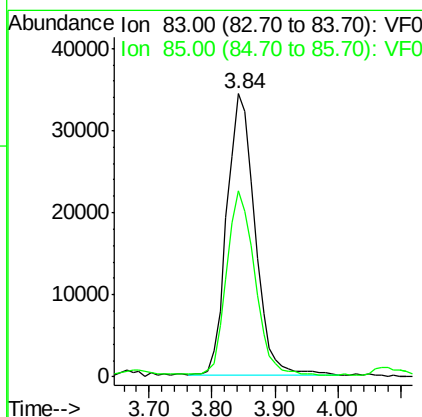
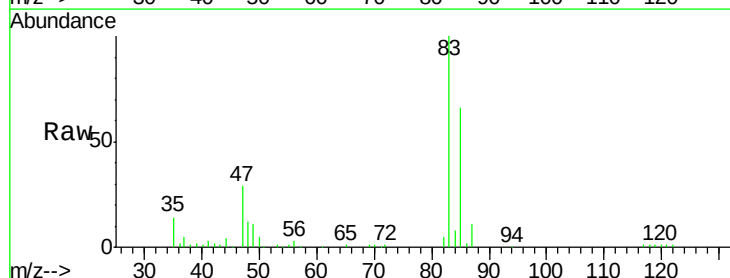
RT: 3.84 min Scan# 326

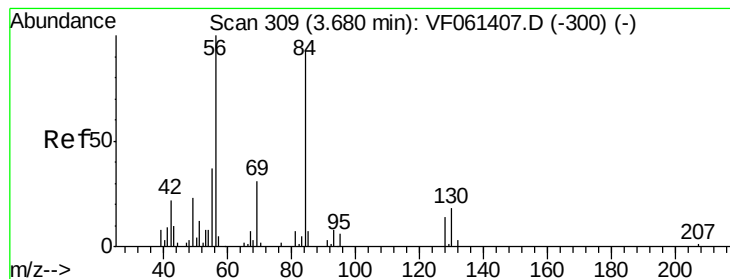
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	83	Resp:	104726
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.7	79.1





#31

Cyclohexane

Concen: 21.700 ug/l m

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

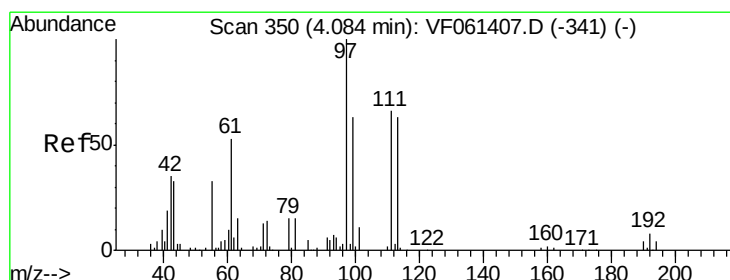
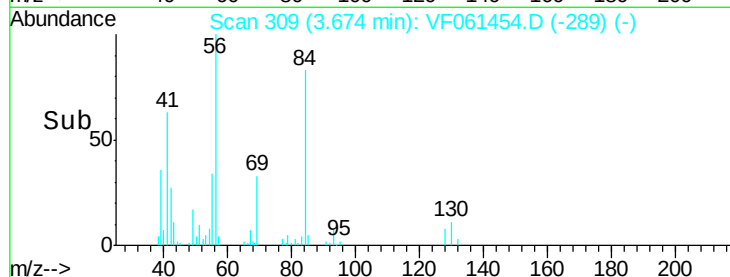
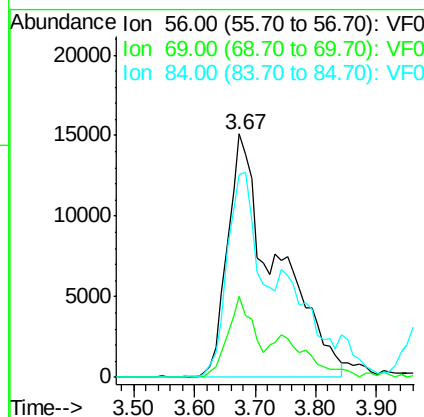
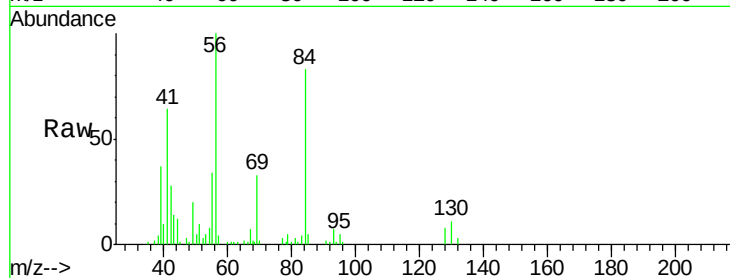
ClientSampleId :

VF0118SBS01

Tot Ion:	56	Resp:	84565
Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.6	36.8
84	83.1	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.728 ug/l

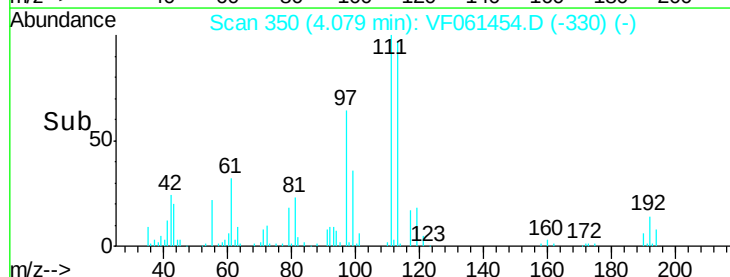
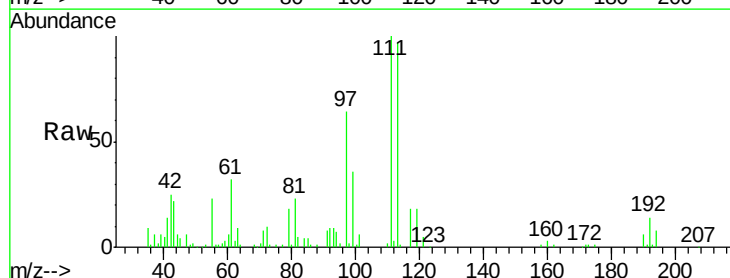
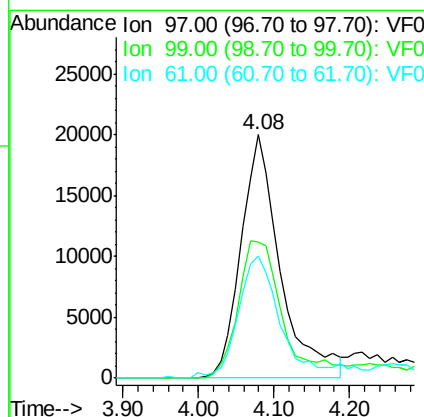
RT: 4.08 min Scan# 350

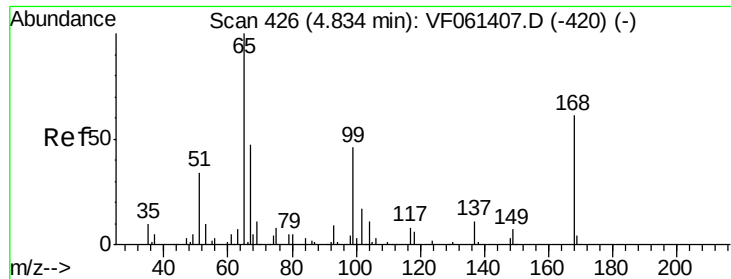
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	97	Resp:	72297
Ion	Ratio	Lower	Upper
97	100		
99	56.1	50.1	75.1
61	50.2	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 48.687 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tot Ion: 65 Resp: 118051

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

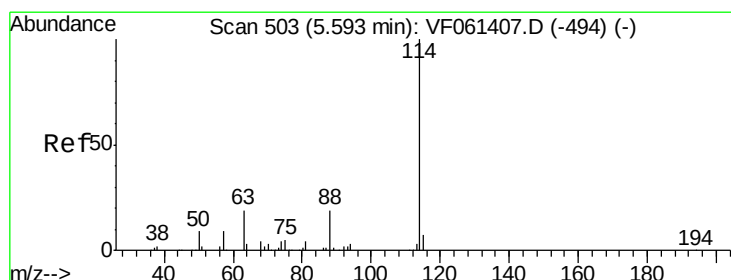
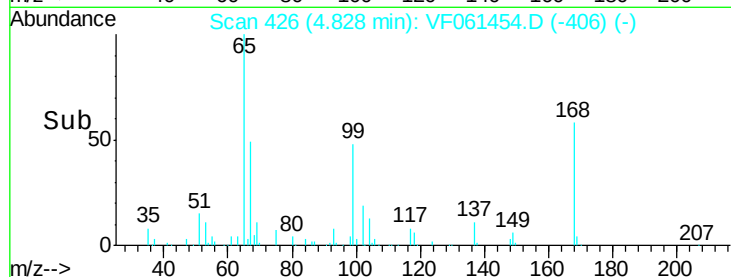
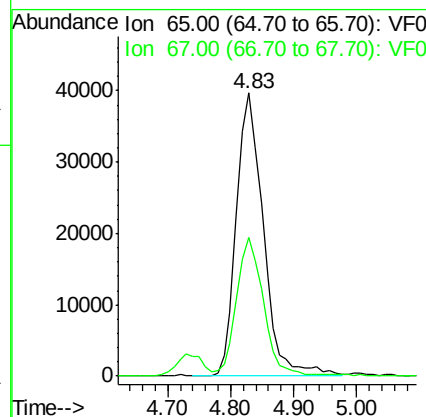
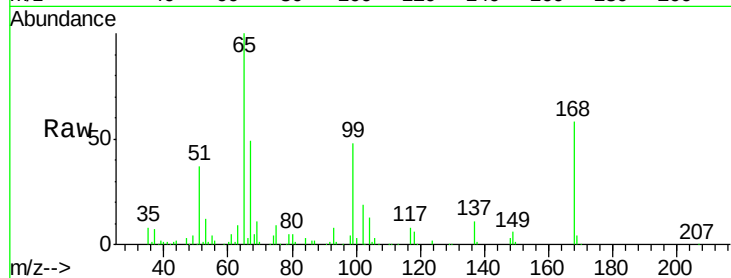
VF0118SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

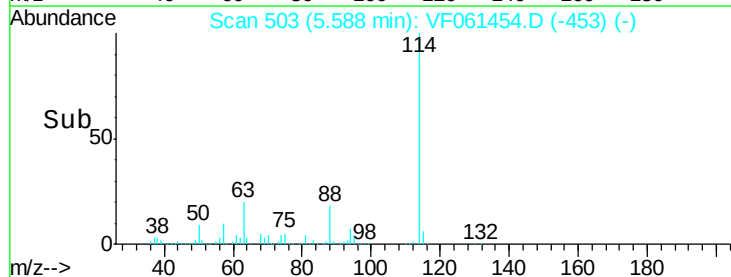
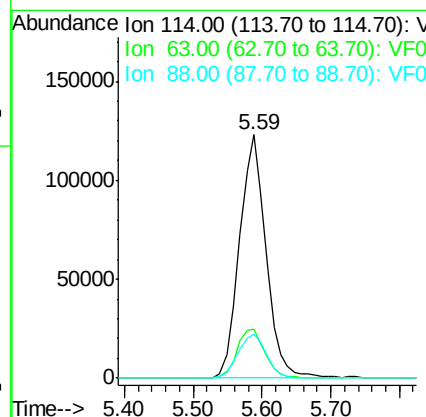
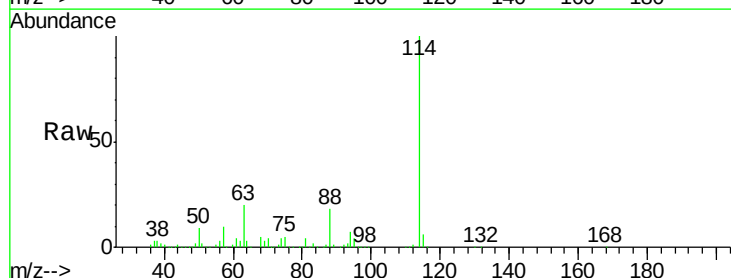
Tgt Ion: 114 Resp: 330314

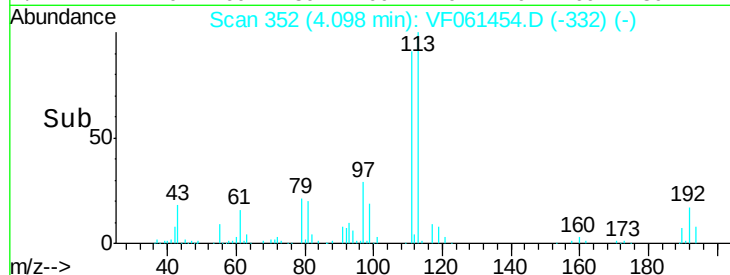
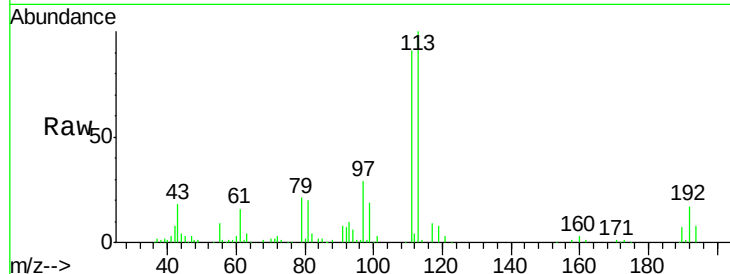
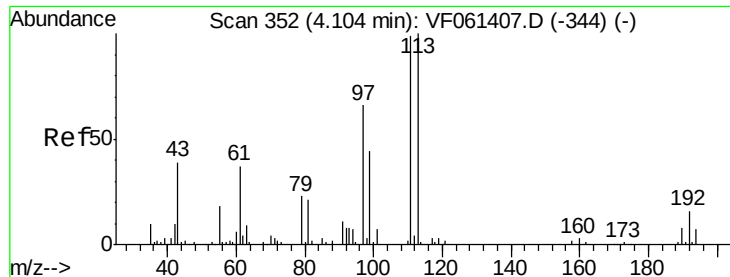
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 17.9 0.0 37.4





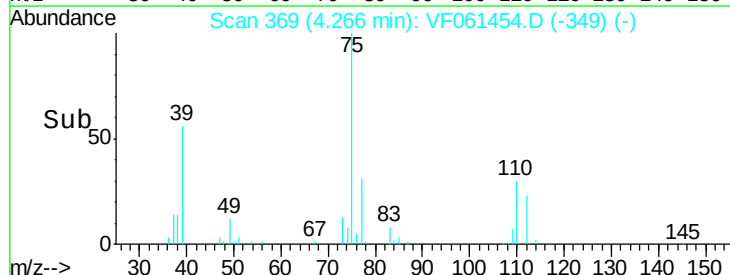
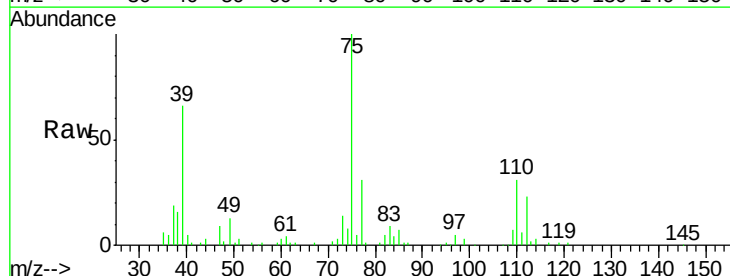
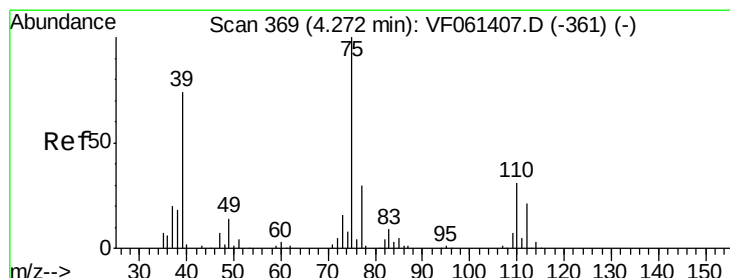
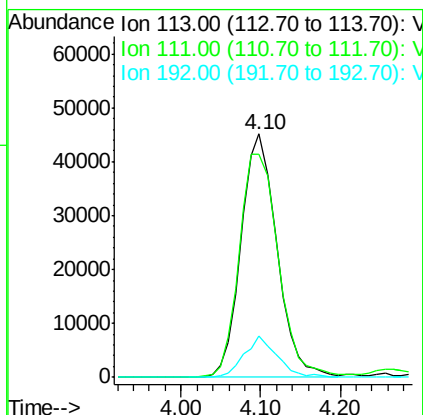
#35
Dibromofluoromethane
Concen: 54.168 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141187		
111	91.5	79.4	119.0	
192	16.9	12.4	18.6	

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

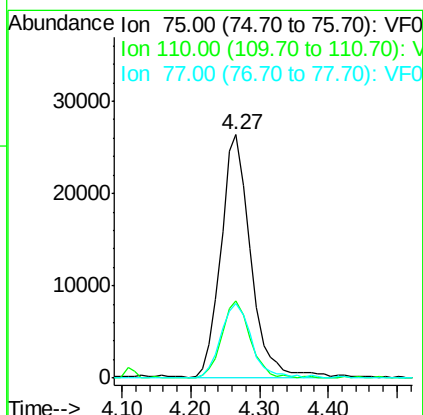
Manual Integrations
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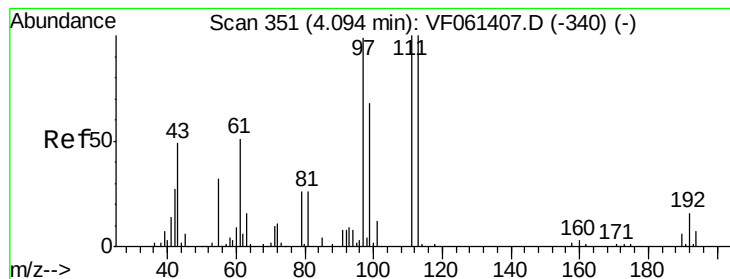
MMDadoda
1/21/2019 11:11:09 AM



#36
1,1-Dichloropropene
Concen: 20.806 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79683		
110	31.5	15.8	47.3	
77	30.8	24.0	36.0	





#37

Ethyl Acetate

Concen: 20.758 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampled :

VF0118SBS01

Tot Ion: 43 Resp: 31779

Ion Ratio Lower Upper

43 100

61 102.6 81.7 122.5

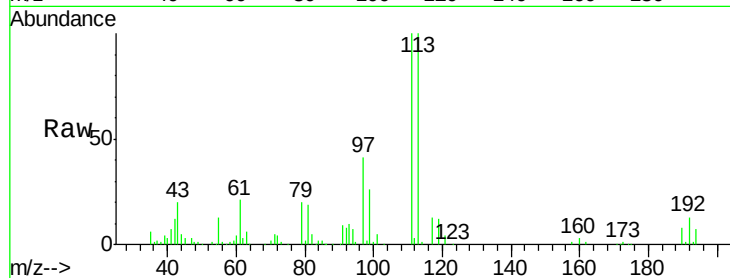
70 12.1 6.2 9.2#

Manual Integrations

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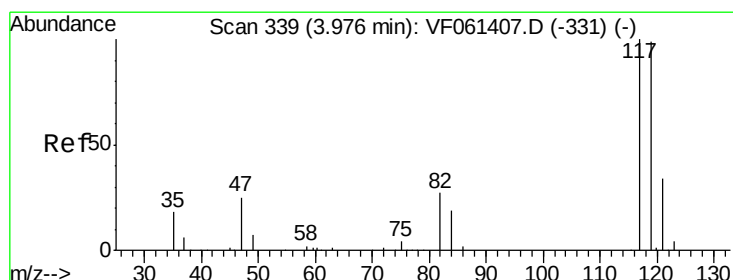
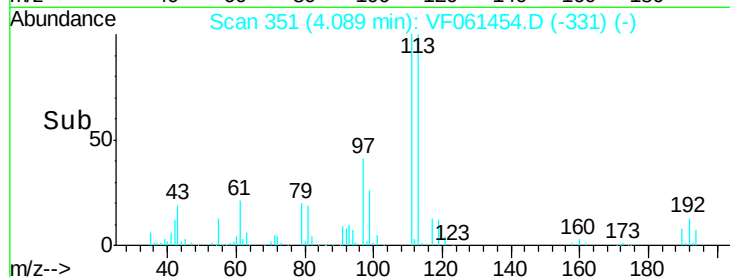
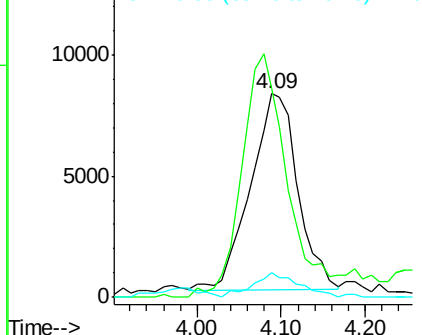
1/21/2019 11:11:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.613 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

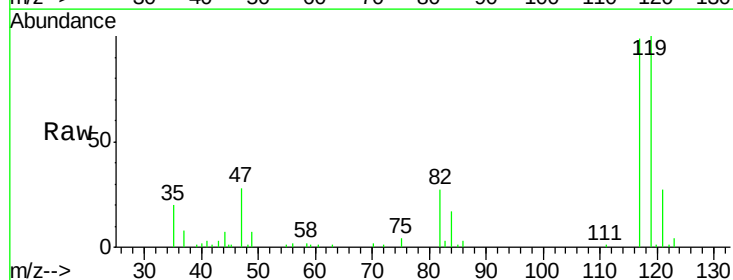
Tgt Ion: 117 Resp: 65667

Ion Ratio Lower Upper

117 100

119 101.2 79.0 118.6

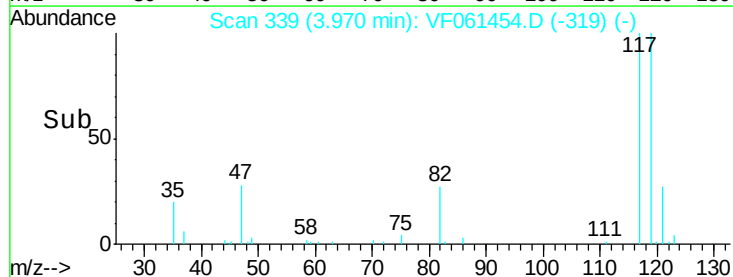
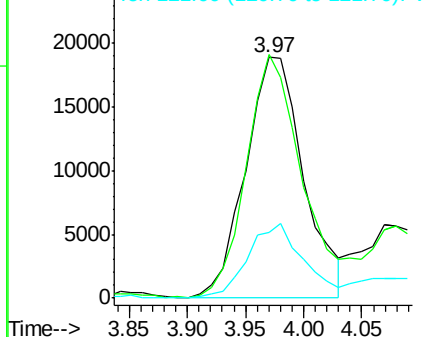
121 27.3 27.0 40.6

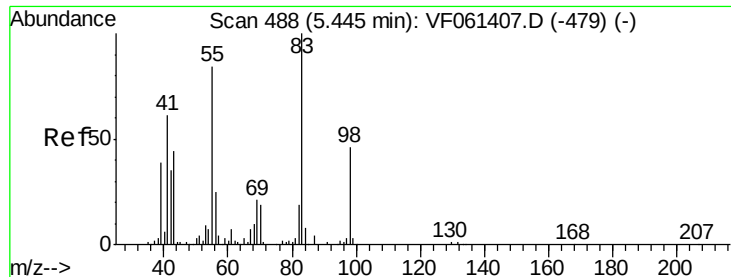


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





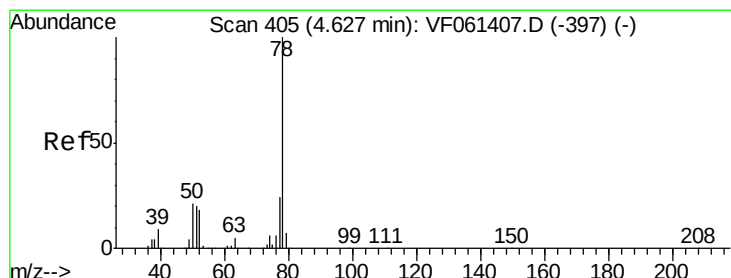
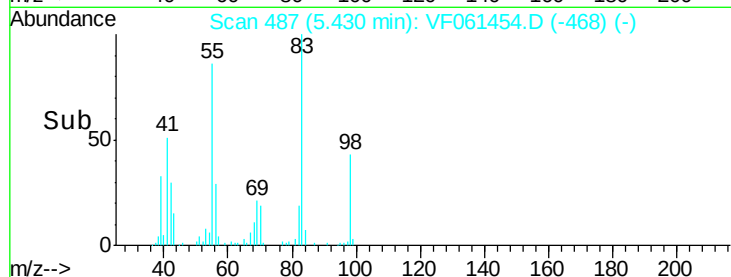
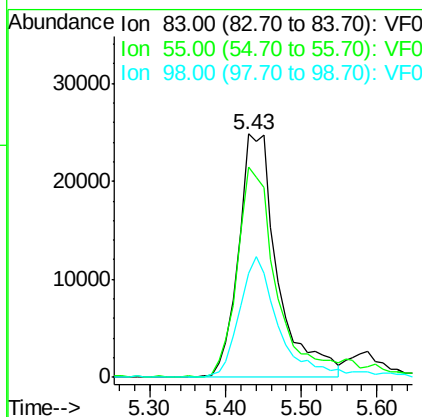
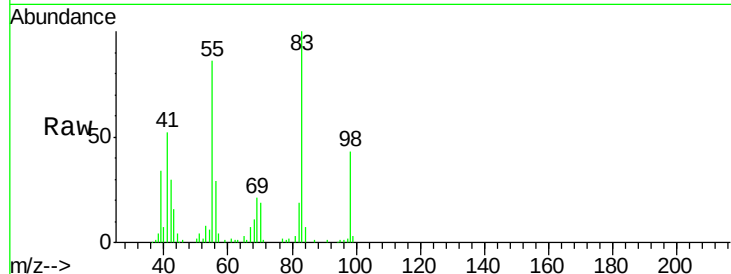
#39
Methylvlcyclohexane
Concen: 21.496 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	83	Resp	89217
Ion Ratio	Lower	Upper	
83	100		
55	86.4	67.4	101.2
98	42.8	36.7	55.1

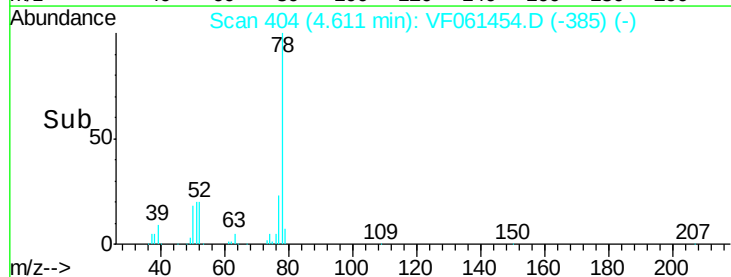
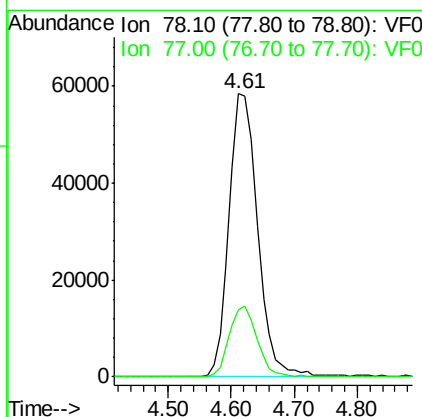
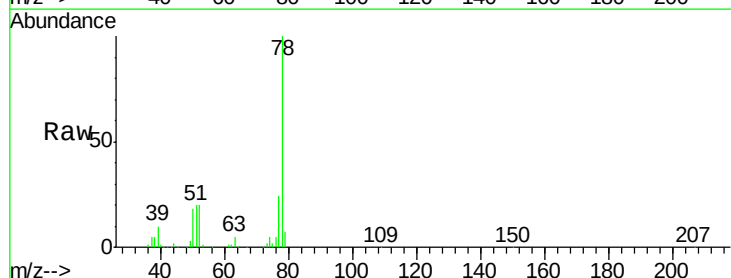
Manual Integrations
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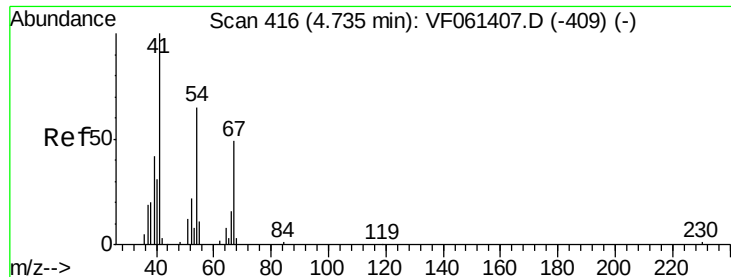
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#40
Benzene
Concen: 21.612 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	78	Resp	184175
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.0	28.6





#41

Methacrylonitrile

Concen: 23.057 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

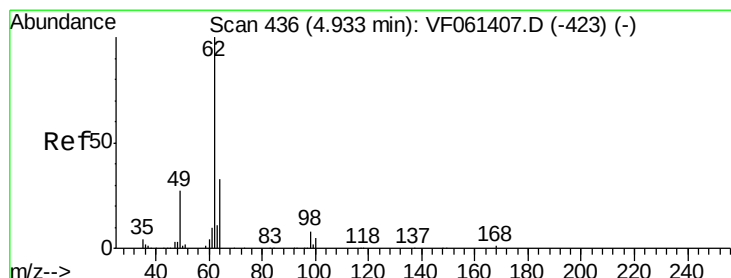
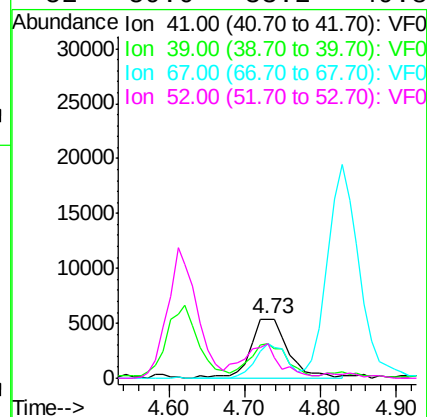
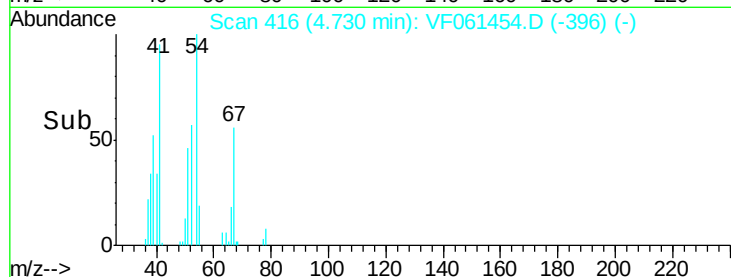
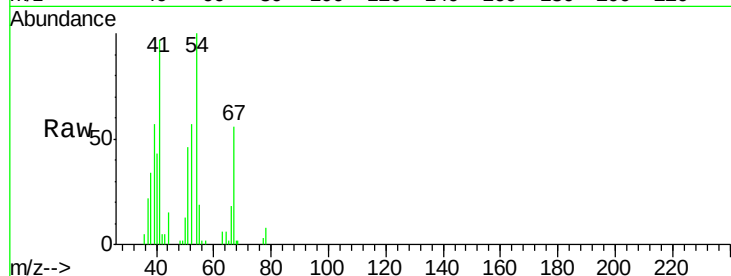
ClientSampleId :

VF0118SBS01

Tot Ion	Ion	Ratio	Lower	Upper
18782	41	100		
	39	58.9	43.1	64.7
	67	57.7	38.8	58.2
	52	59.0	33.2	49.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.825 ug/l

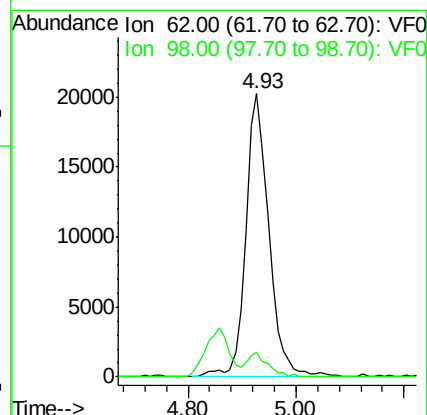
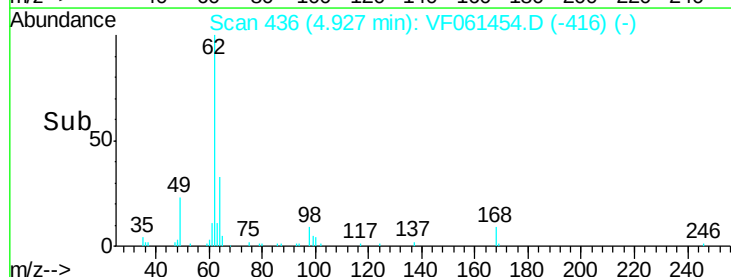
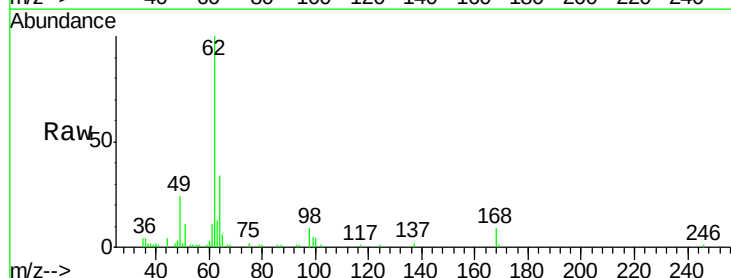
RT: 4.93 min Scan# 436

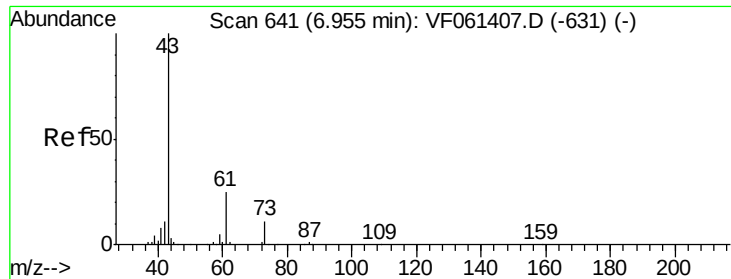
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
60203	62	100		
	98	8.6	0.0	17.0





#43

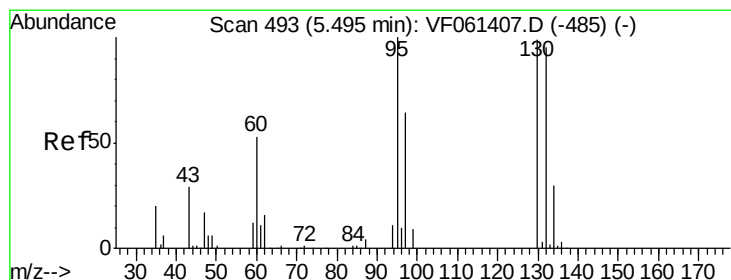
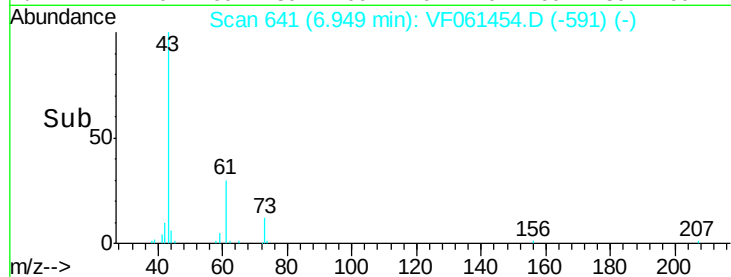
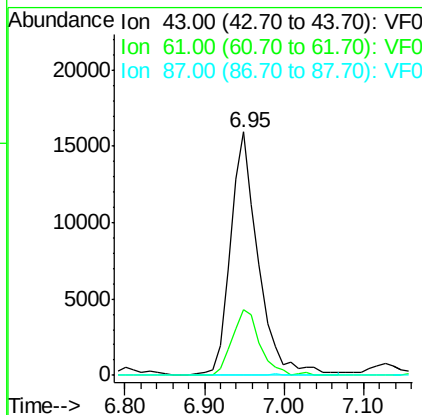
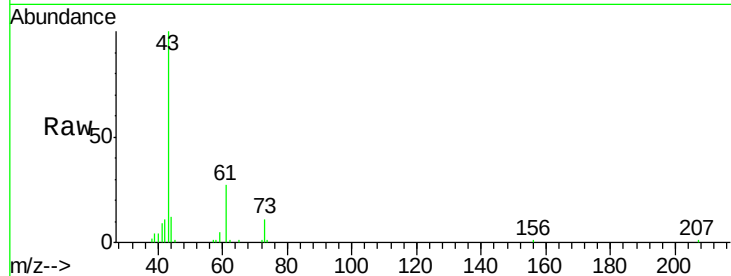
Isopropyl Acetate
 Concen: 20.246 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.3	30.5
87	0.0	0.5	0.7#

Manual Integrations
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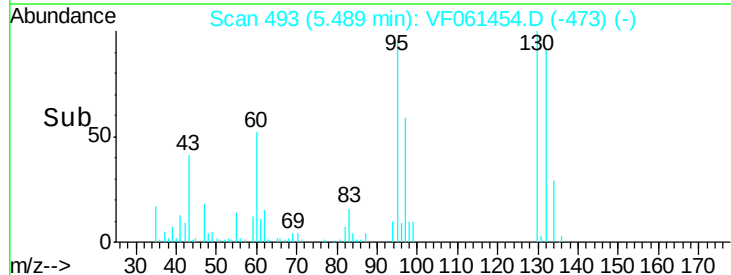
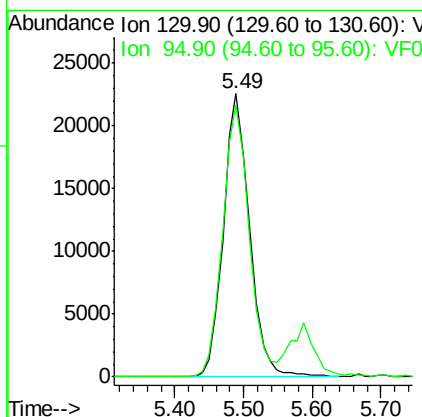
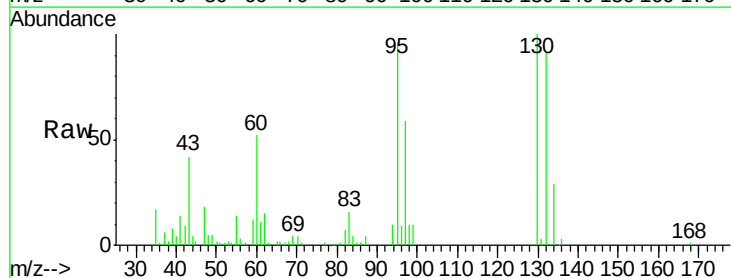
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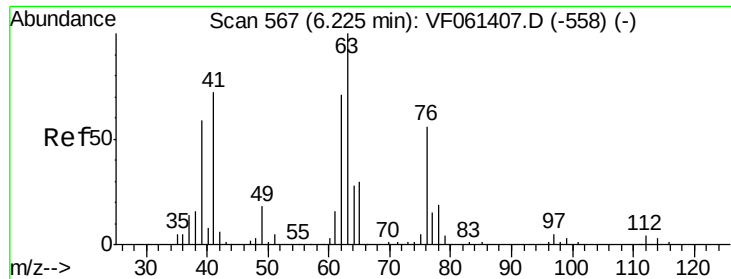


#44

Trichloroethene
 Concen: 22.673 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	202.8





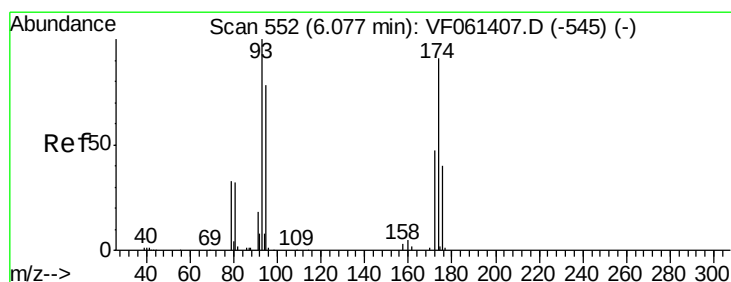
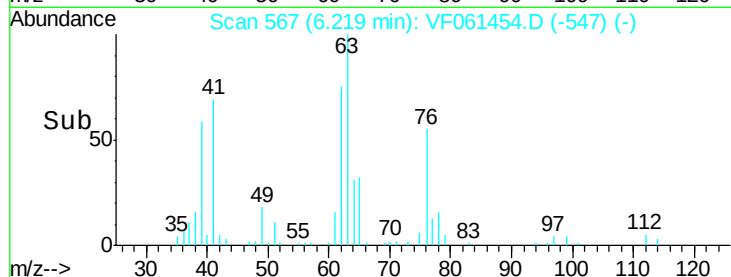
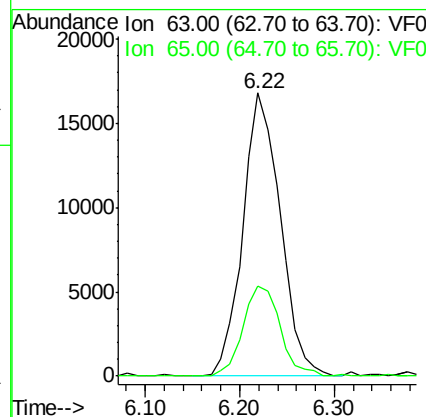
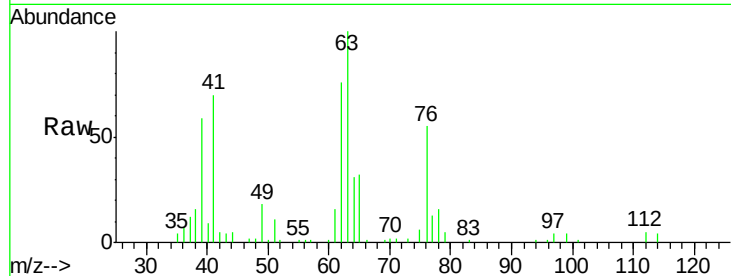
#45
 1,2-Dichloropropane
 Concen: 20.655 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.4	36.6

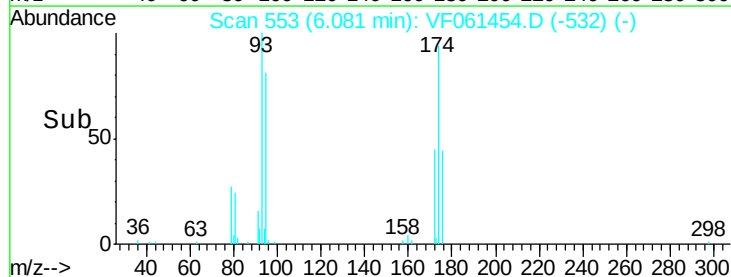
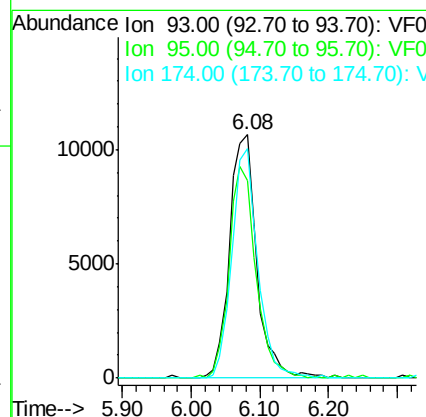
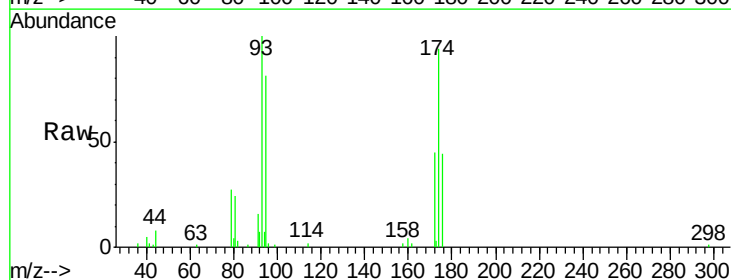
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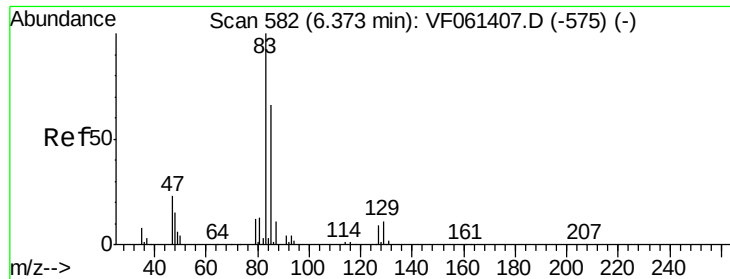
MMDadoda
 1/21/2019 11:11:09 AM



#46
 Dibromomethane
 Concen: 19.676 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	62.1	93.1
174	94.4	74.6	111.8





#47

Bromodichloromethane

Concen: 20.592 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

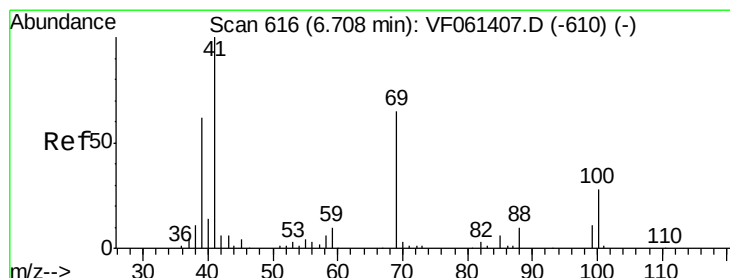
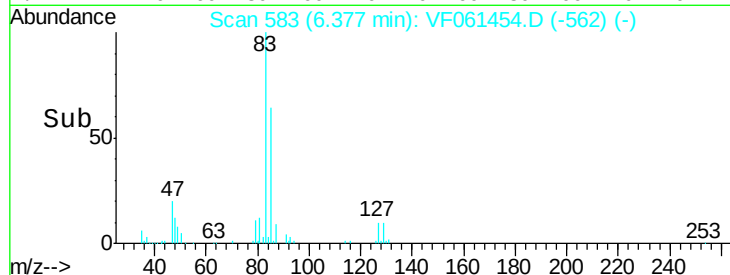
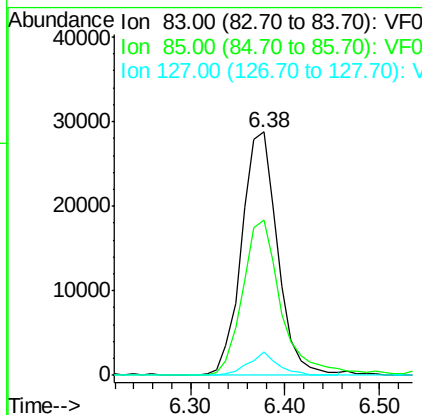
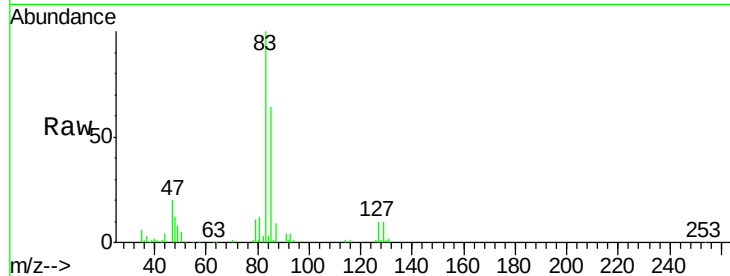
ClientSampleId :

VF0118SBS01

Tot Ion:	83	Resp:	75771
Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.0	79.4
127	9.7	6.9	10.3

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 19.897 ug/l

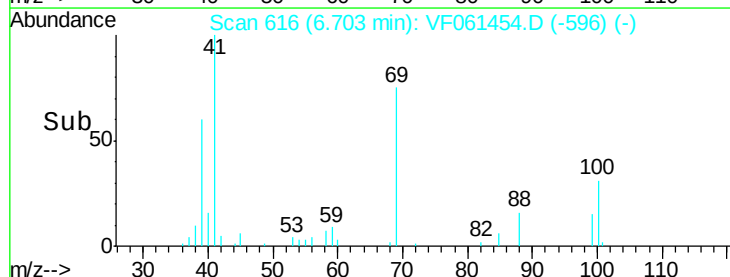
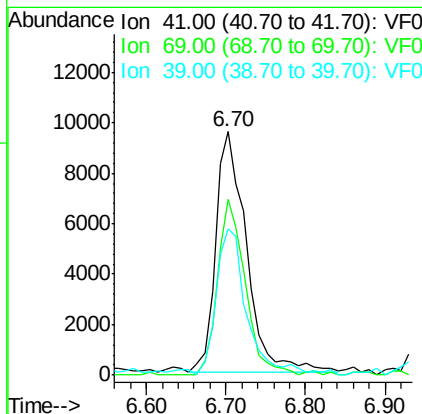
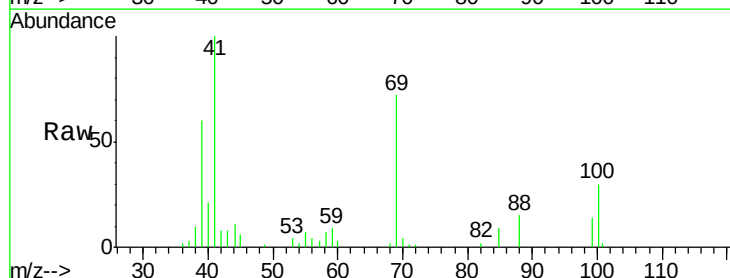
RT: 6.70 min Scan# 616

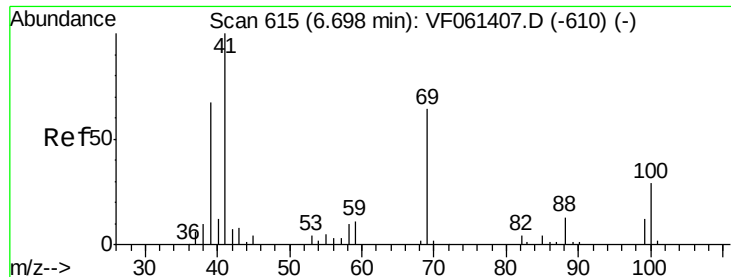
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	41	Resp:	25671
Ion	Ratio	Lower	Upper
41	100		
69	72.0	51.7	77.5
39	60.1	49.2	73.8





#49

1,4-Dioxane

Concen: 401.601 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

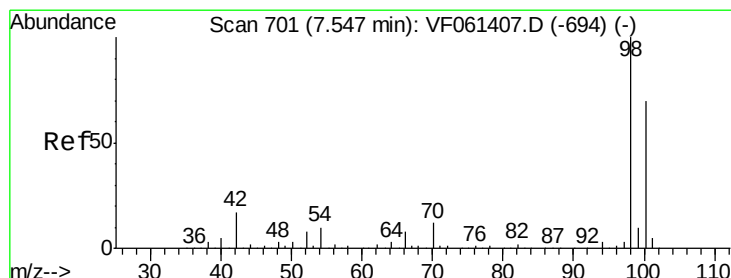
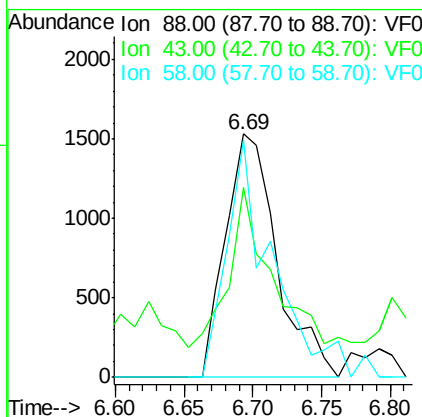
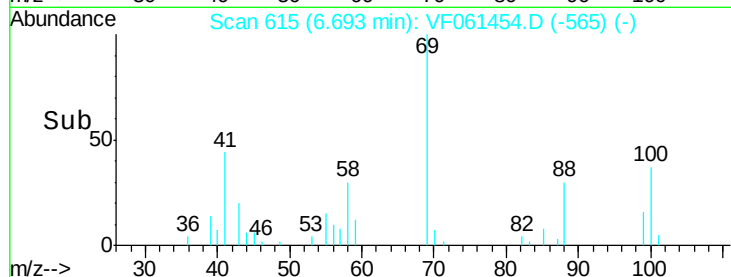
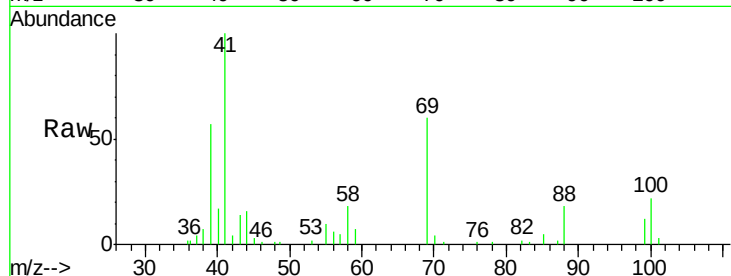
ClientSampleId :

VF0118SBS01

Tot Ion:	88	Resp:	3991
Ion Ratio	Lower	Upper	
88	100		
43	78.2	55.5	83.3
58	97.4	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 55.287 ug/l

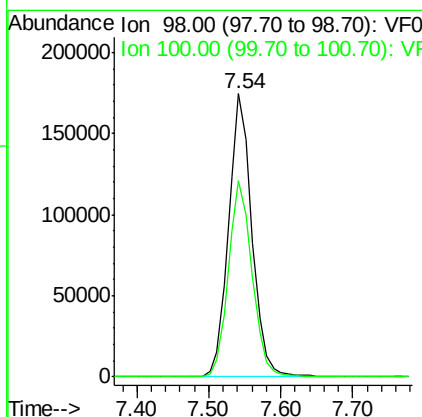
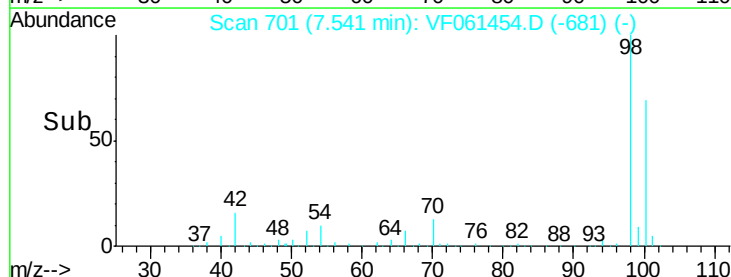
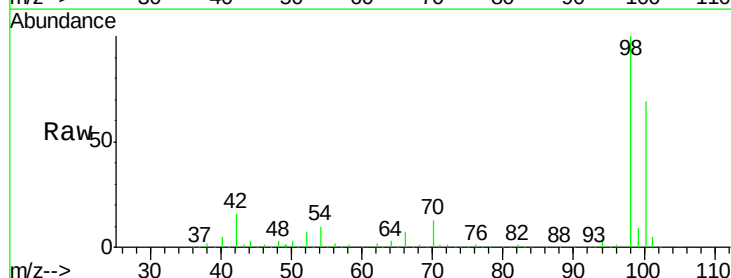
RT: 7.54 min Scan# 701

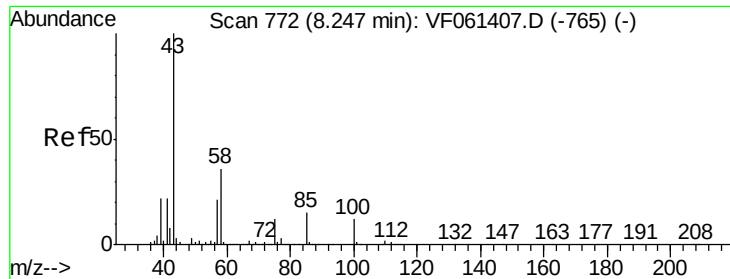
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	98	Resp:	394820
Ion Ratio	Lower	Upper	
98	100		
100	69.3	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 106.738 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 43 Resp: 150770

Ion Ratio Lower Upper

43 100

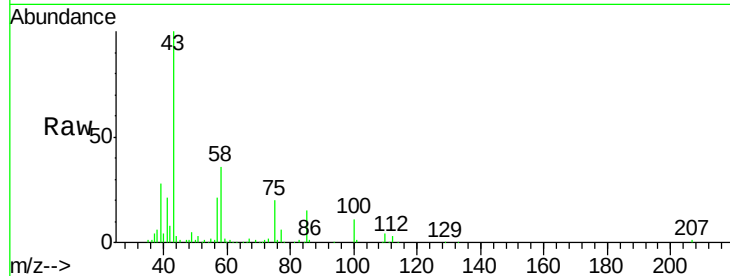
58 36.5 28.8 43.2

Manual Integrations

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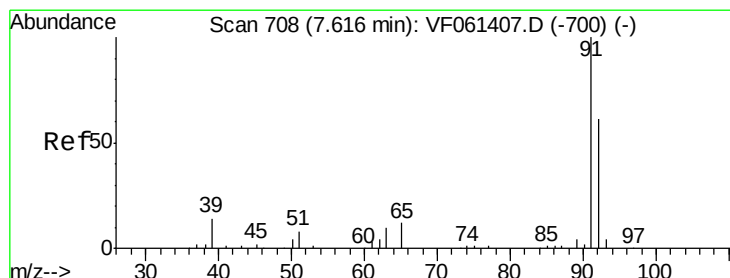
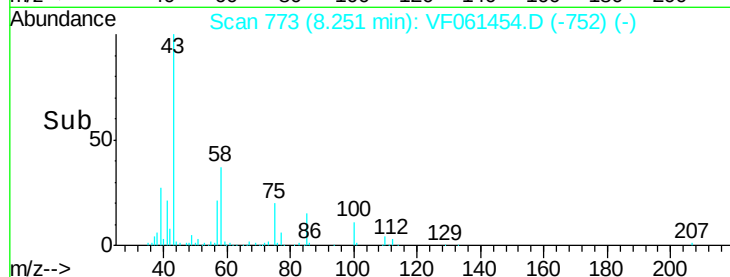
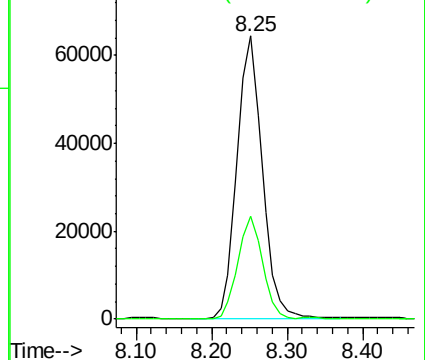
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.281 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061454.D

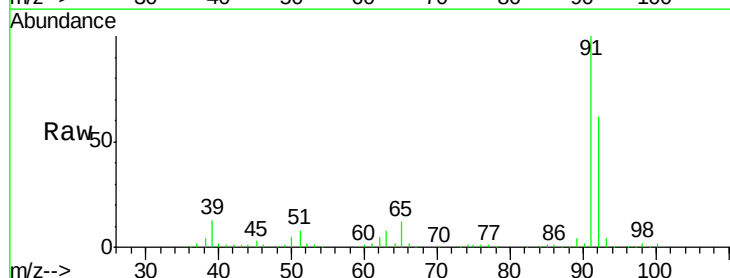
Acq: 18 Jan 2019 12:42

Tgt Ion: 92 Resp: 119430

Ion Ratio Lower Upper

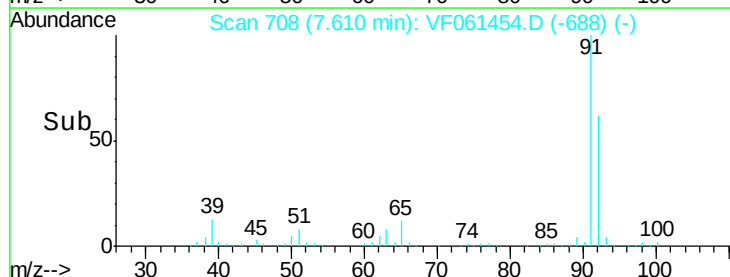
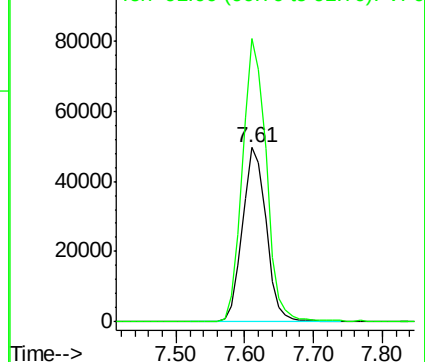
92 100

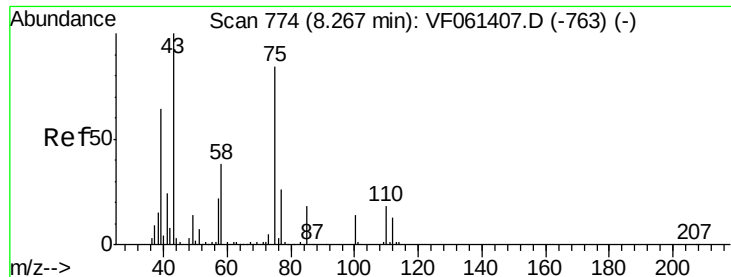
91 162.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.674 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 75 Resp: 60407

Ion Ratio Lower Upper

75 100

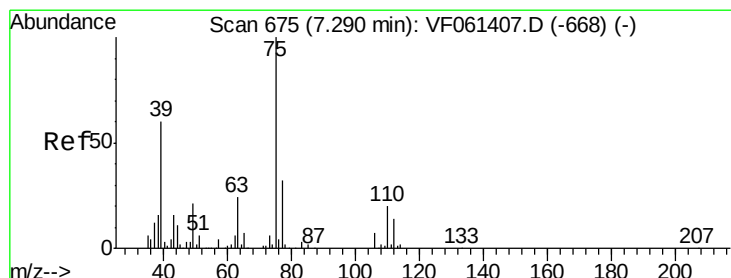
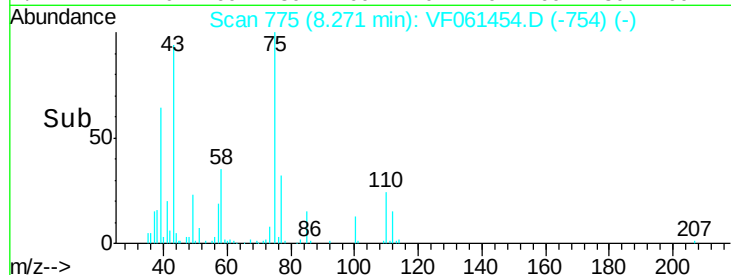
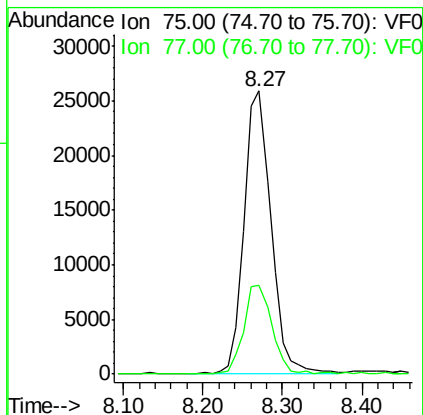
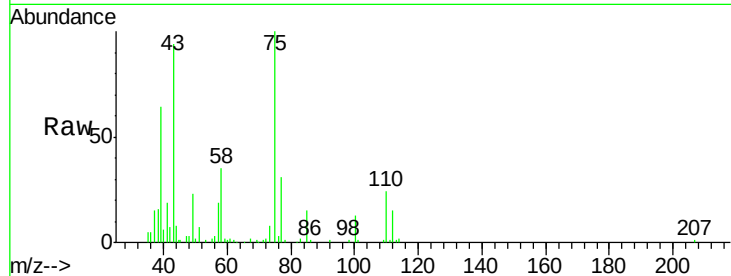
77 31.5 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.600 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

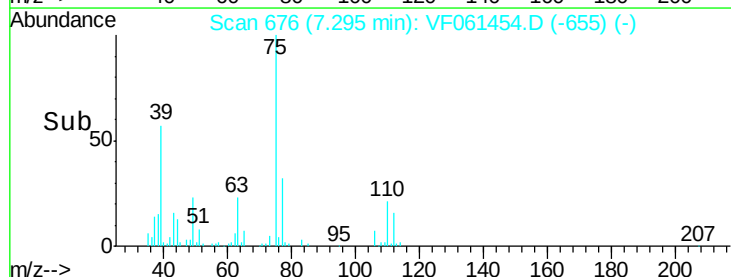
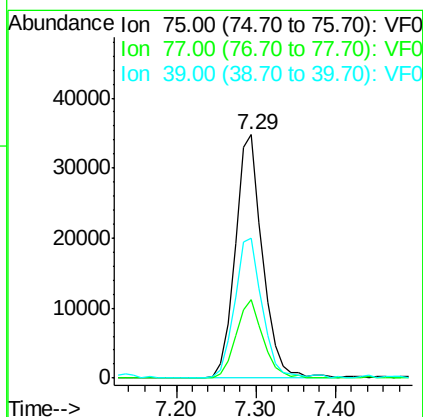
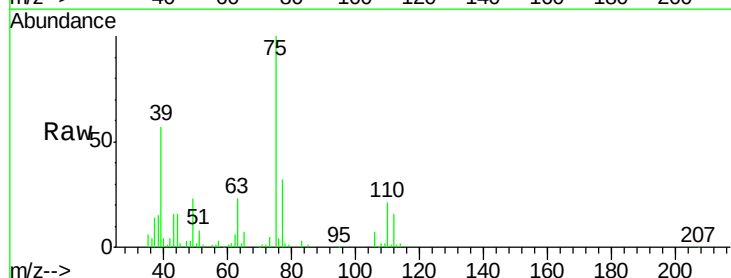
Tgt Ion: 75 Resp: 82543

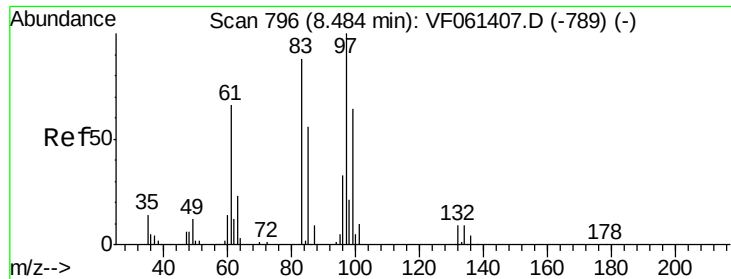
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 57.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 21.279 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

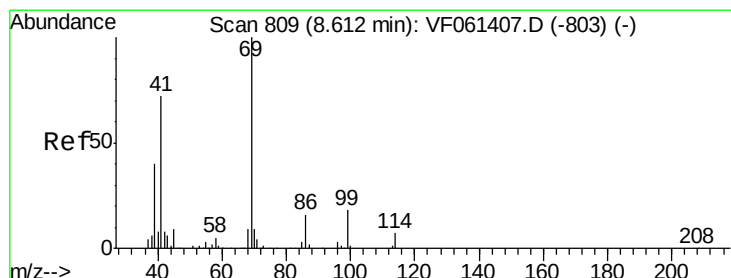
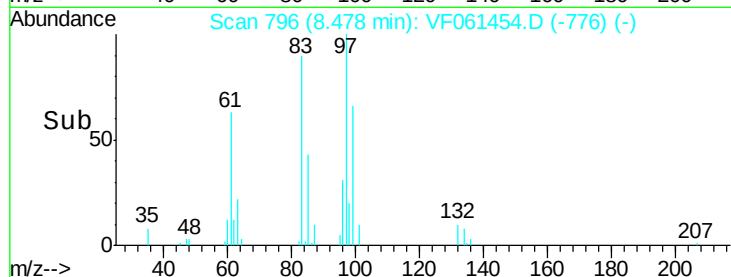
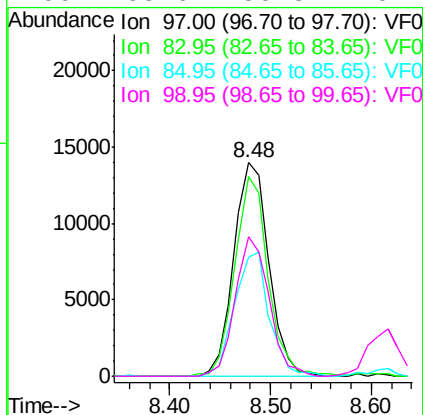
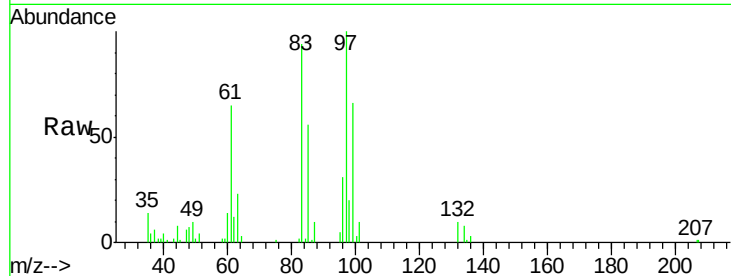
ClientSampleId :

VF0118SBS01

Tot Ion:	97	Resp:	33912
Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.4	105.6
85	56.0	44.7	67.1
99	65.6	50.8	76.2

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#56

Ethyl methacrylate

Concen: 19.299 ug/l

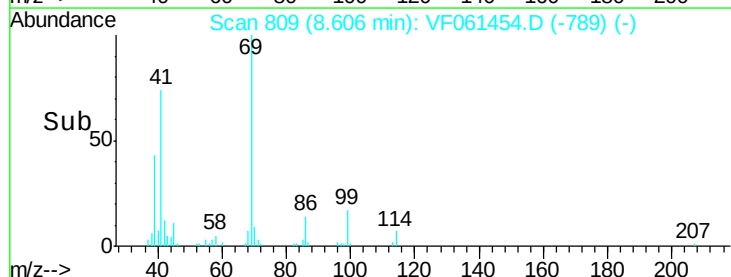
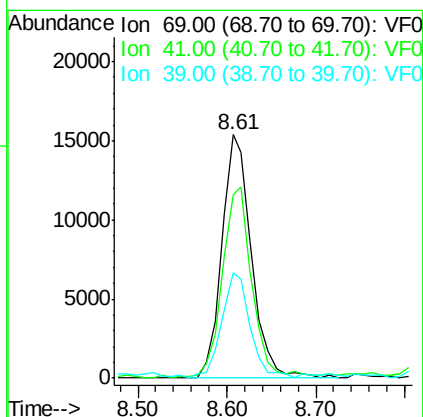
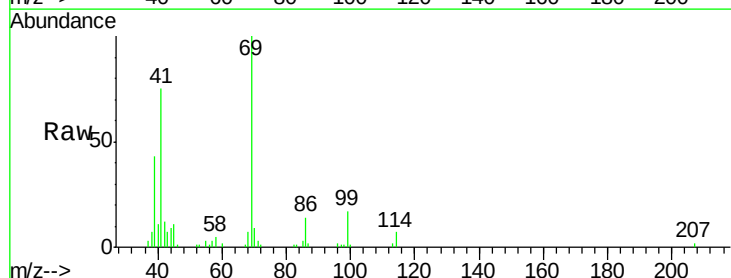
RT: 8.61 min Scan# 809

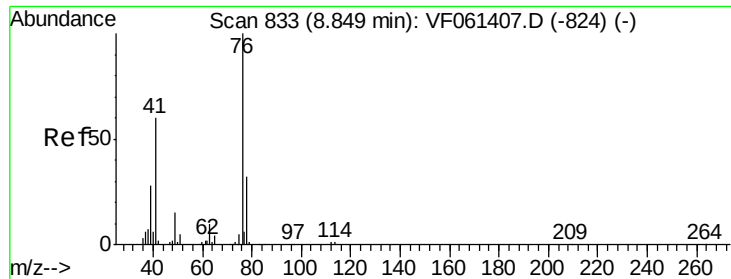
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	69	Resp:	35783
Ion	Ratio	Lower	Upper
69	100		
41	75.4	57.5	86.3
39	43.4	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 76 Resp: 61158

Ion Ratio Lower Upper

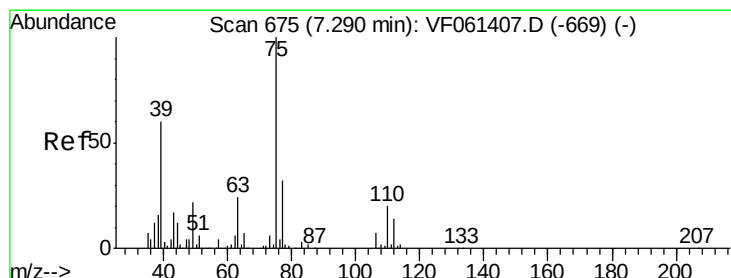
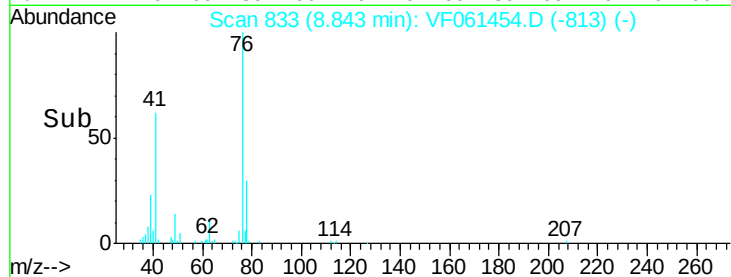
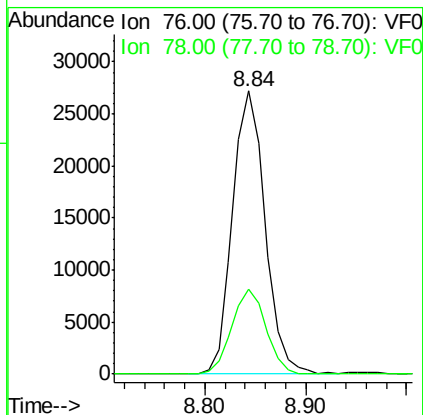
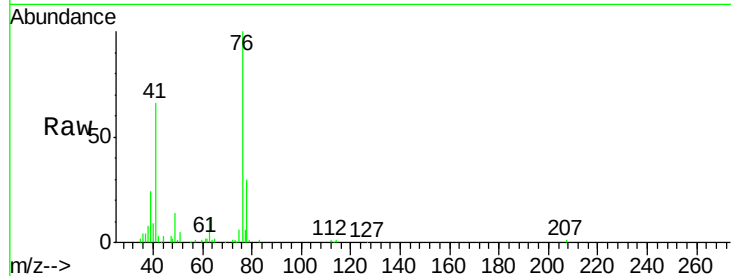
76 100

78 29.8 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 126.275 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061454.D

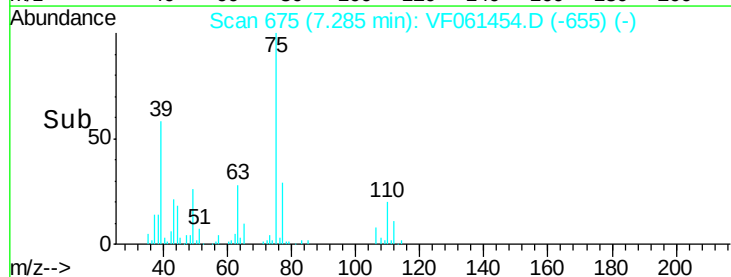
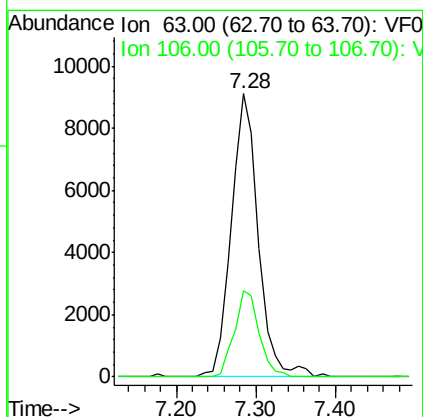
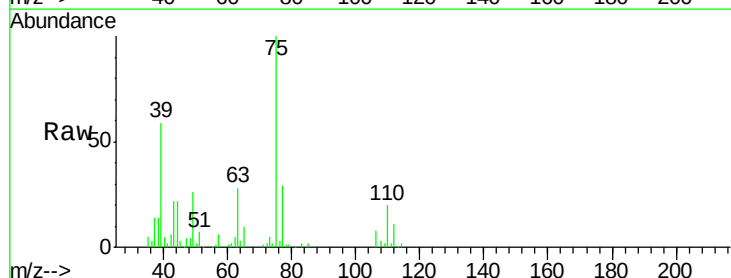
Acq: 18 Jan 2019 12:42

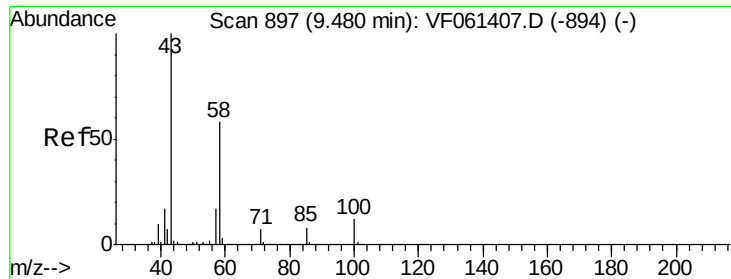
Tgt Ion: 63 Resp: 21576

Ion Ratio Lower Upper

63 100

106 30.4 21.9 32.9





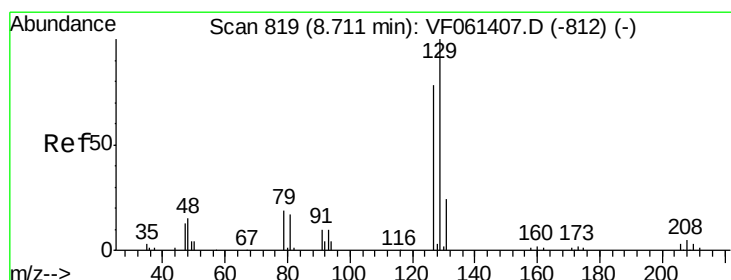
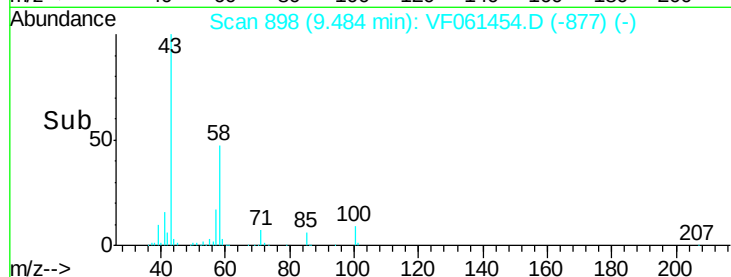
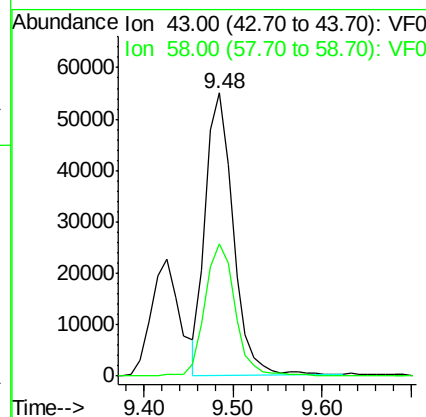
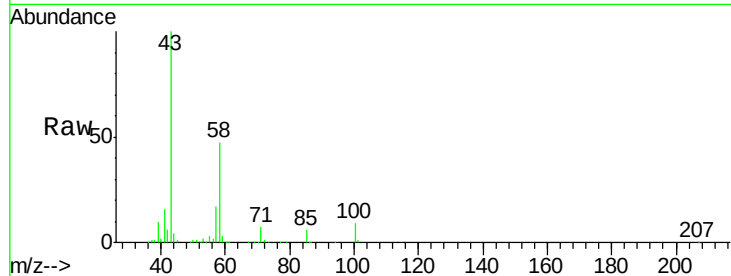
#59
2-Hexanone
Concen: 119.921 ug/l
RT: 9.48 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion: 43 Resp: 118120
Ion Ratio Lower Upper
43 100
58 46.9 25.9 77.6

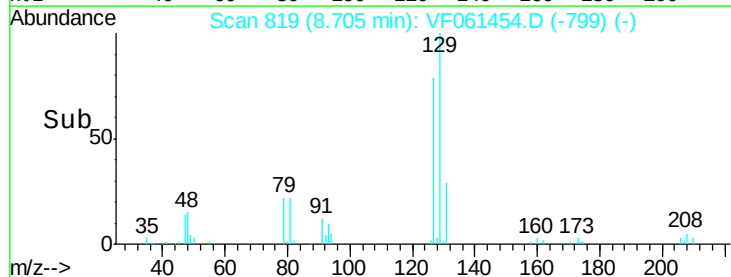
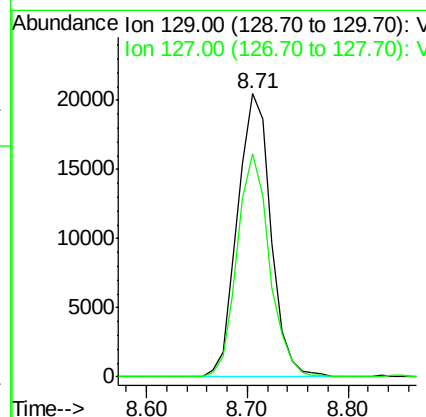
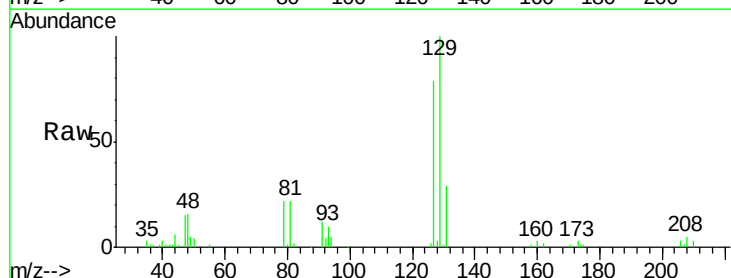
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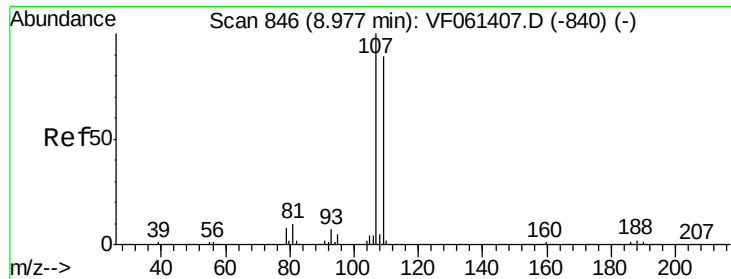
MMDadoda
1/21/2019 11:11:09 AM



#60
Dibromochloromethane
Concen: 20.288 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 129 Resp: 47269
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.841 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion:107 Resp: 34373

Ion Ratio Lower Upper

107 100

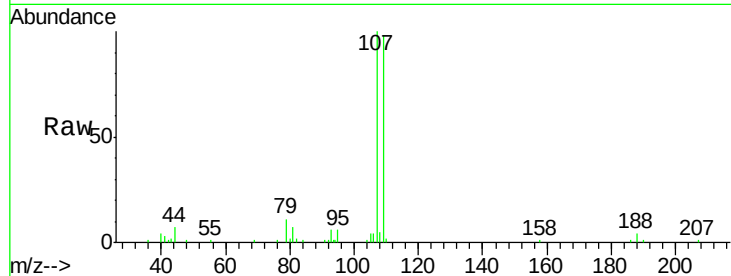
109 98.2 70.8 106.2

Manual Integrations

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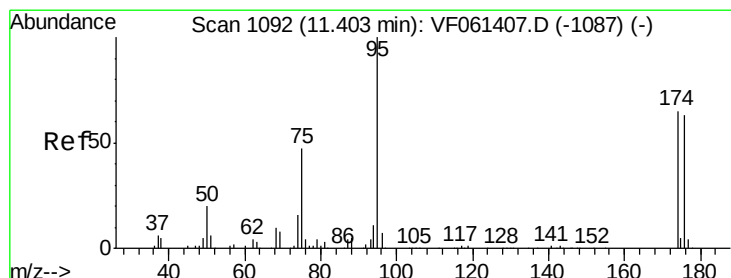
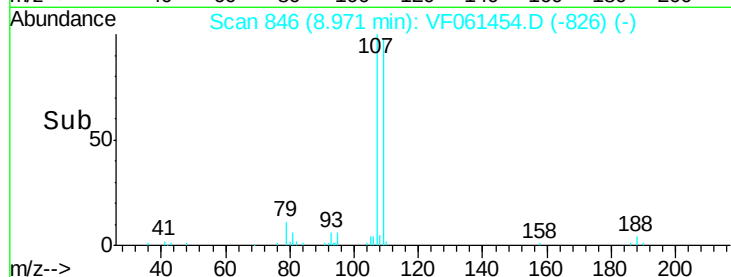
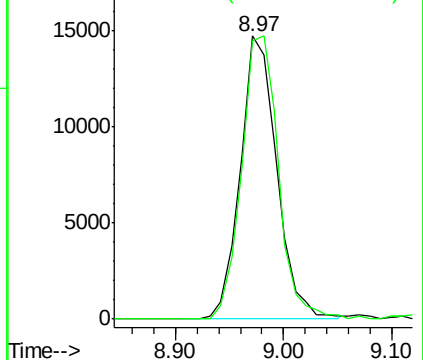
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.105 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

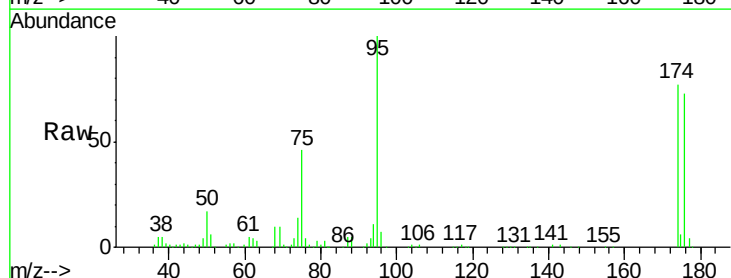
Tgt Ion: 95 Resp: 170515

Ion Ratio Lower Upper

95 100

174 76.6 0.0 130.4

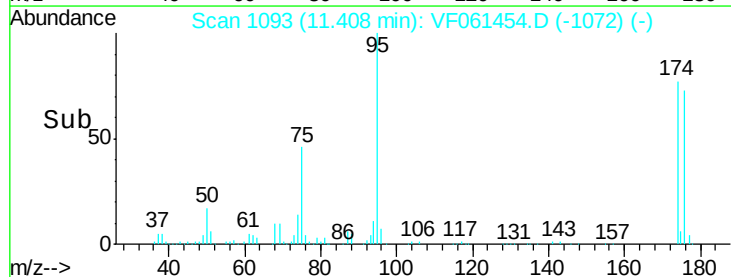
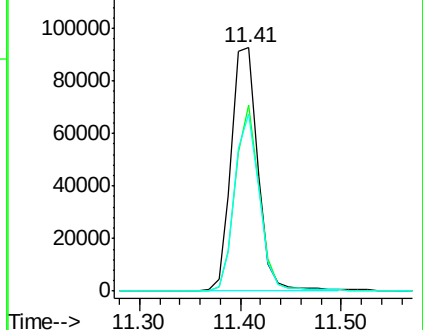
176 72.6 0.0 126.2

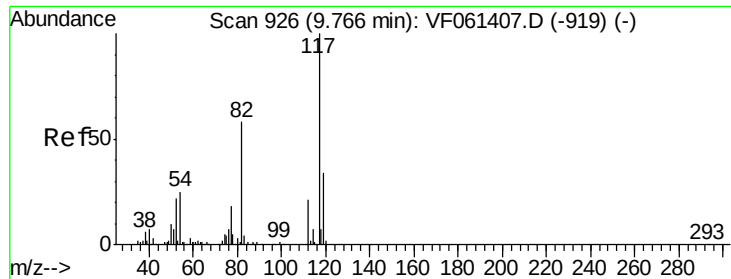


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





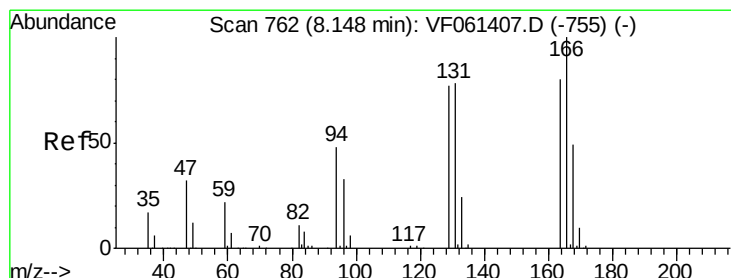
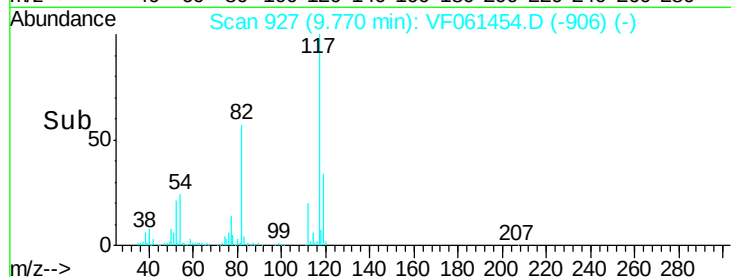
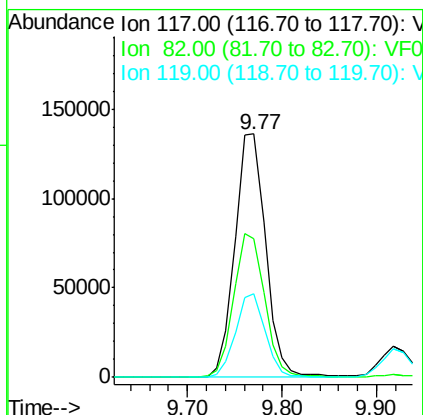
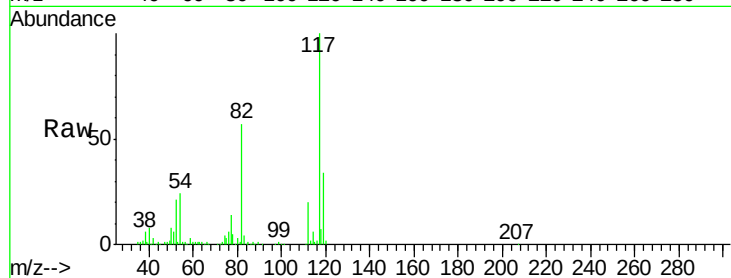
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.4	69.6
119	34.3	27.2	40.8

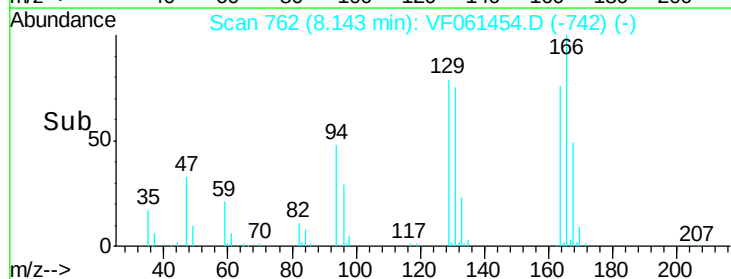
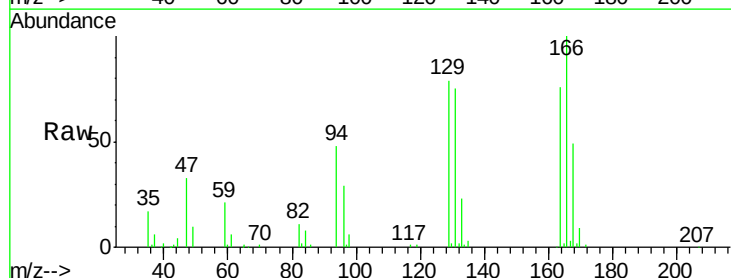
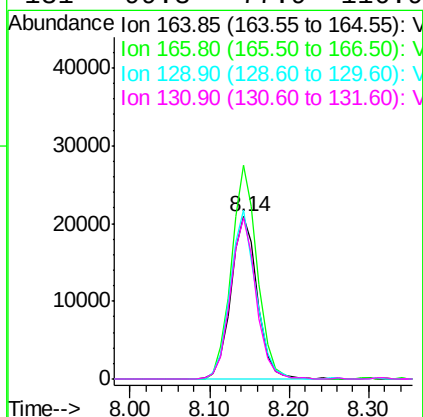
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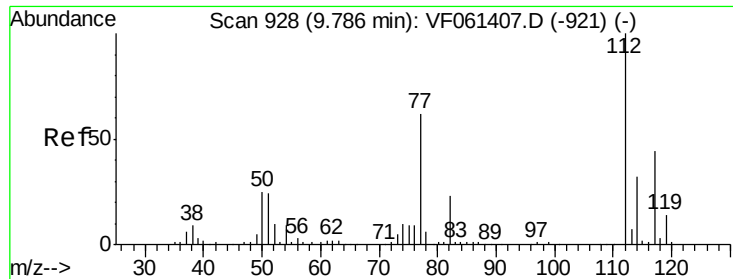
MMDadoda
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#64
Tetrachloroethene
Concen: 20.720 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	99.6	149.4
129	104.2	76.4	114.6
131	99.3	77.9	116.9





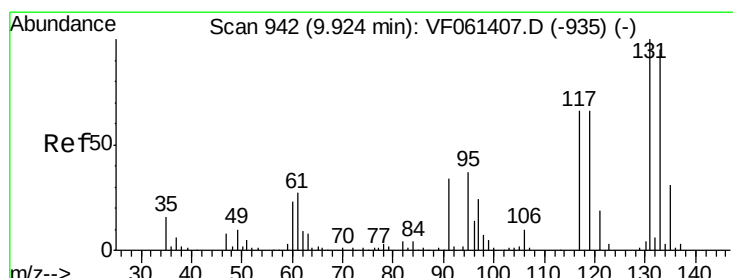
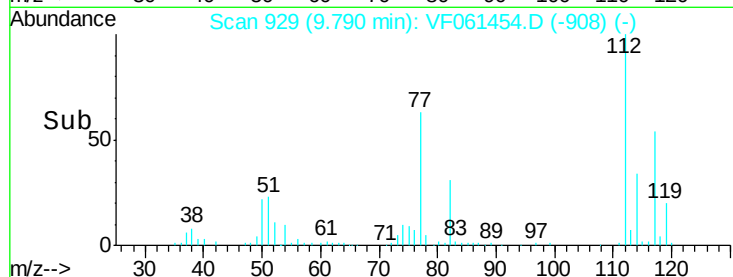
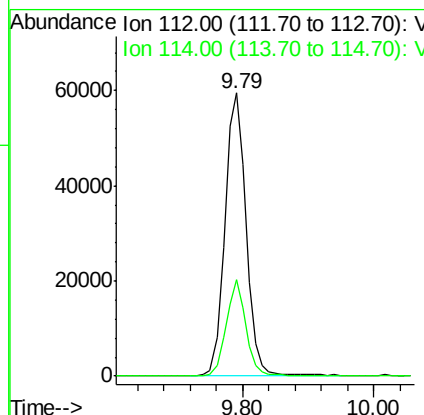
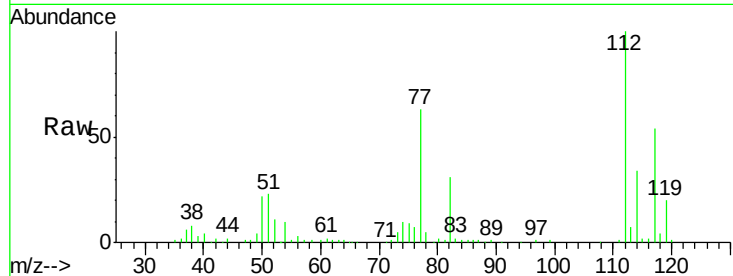
#65
Chlorobenzene
Concen: 21.348 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:112 Resp: 134382
Ion Ratio Lower Upper
112 100
114 34.1 25.4 38.0

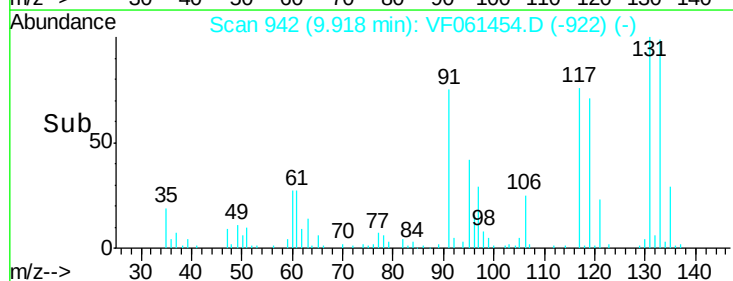
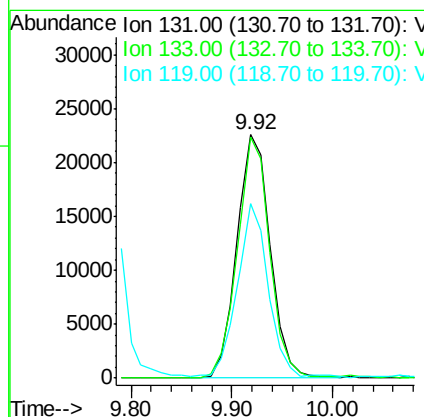
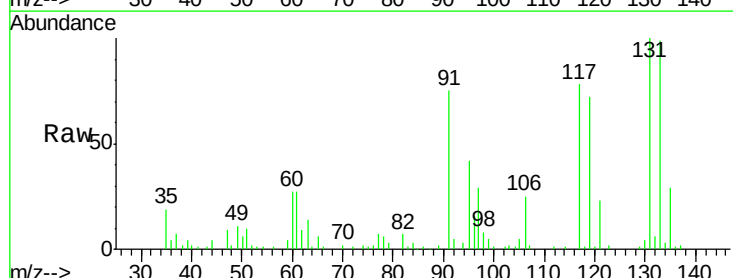
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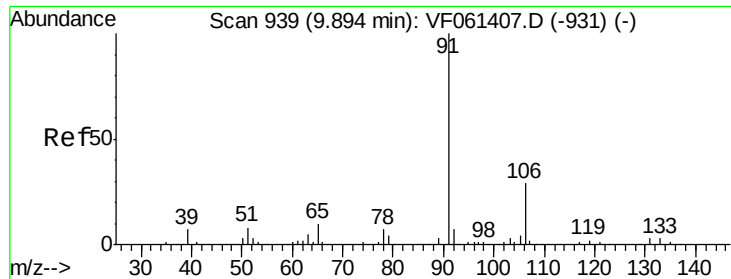
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.703 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:131 Resp: 51916
Ion Ratio Lower Upper
131 100
133 99.0 47.4 142.2
119 71.8 33.1 99.3





#67

Ethyl Benzene

Concen: 20.797 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion: 91 Resp: 239184

Ion Ratio Lower Upper

91 100

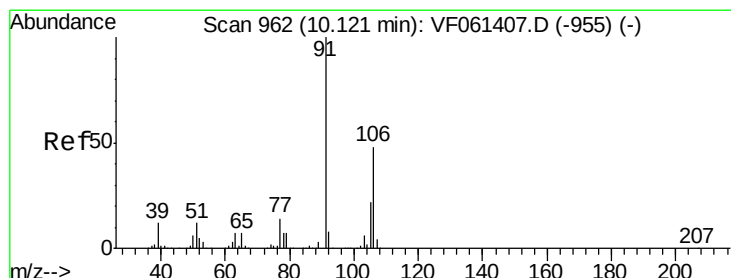
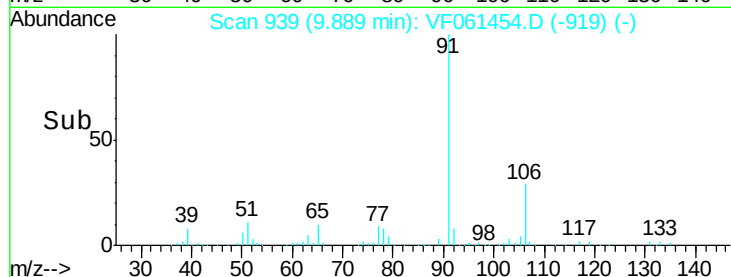
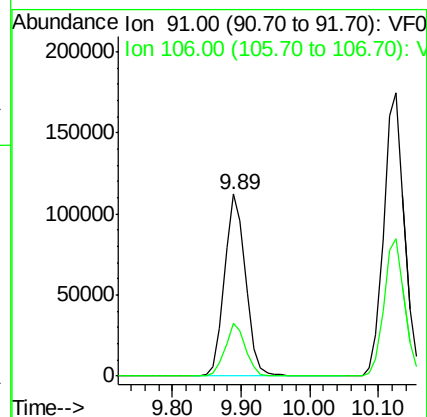
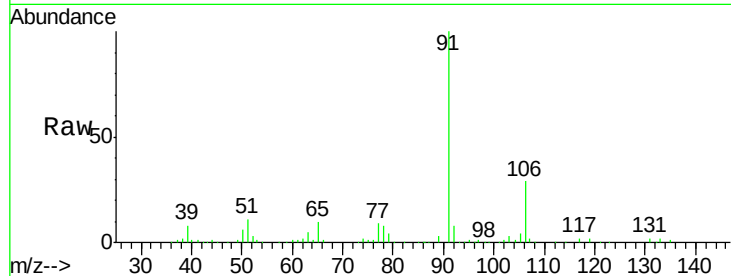
106 28.9 23.1 34.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.491 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061454.D

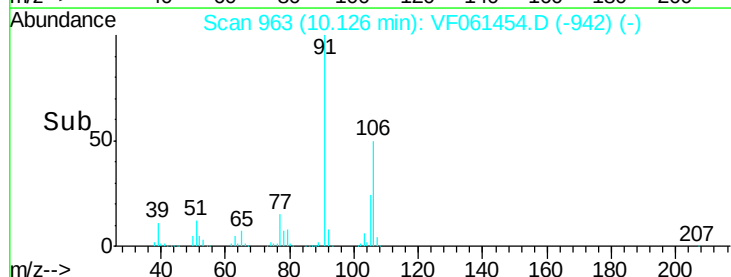
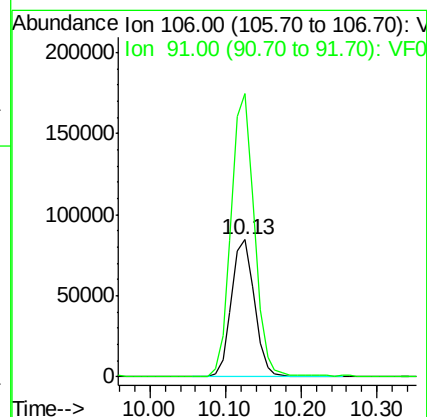
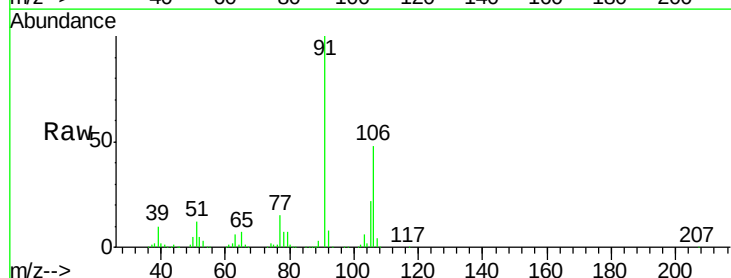
Acq: 18 Jan 2019 12:42

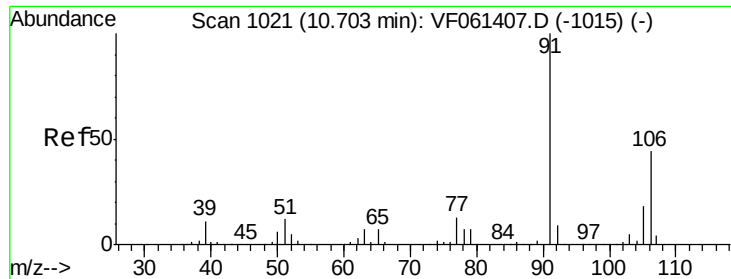
Tgt Ion: 106 Resp: 179900

Ion Ratio Lower Upper

106 100

91 206.4 166.2 249.4





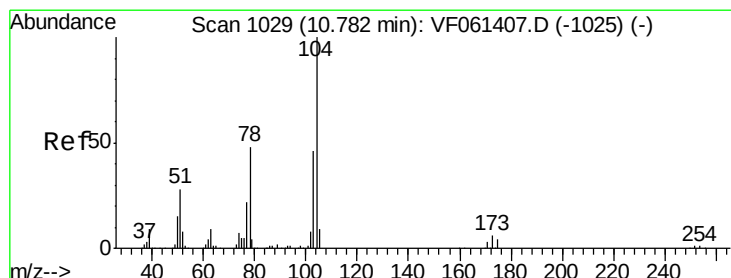
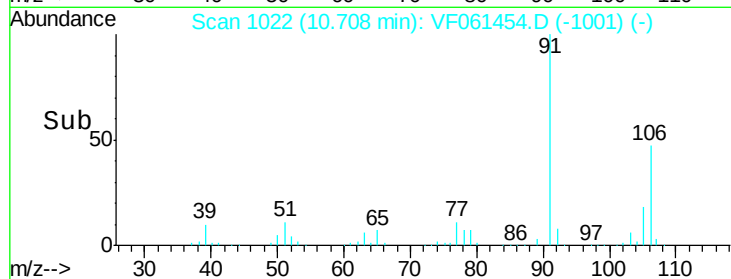
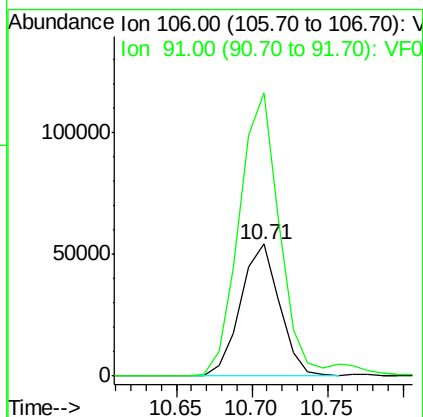
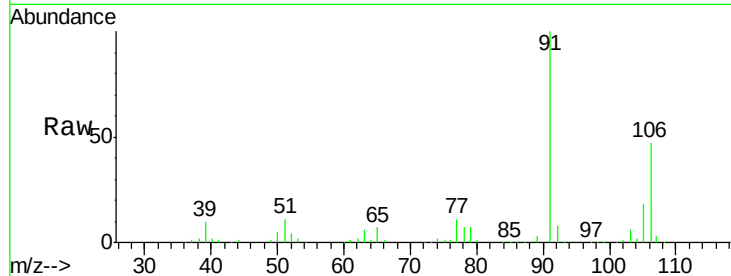
#69
o-Xylene
Concen: 21.884 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion:106 Resp: 98109
Ion Ratio Lower Upper
106 100
91 214.7 113.3 339.8

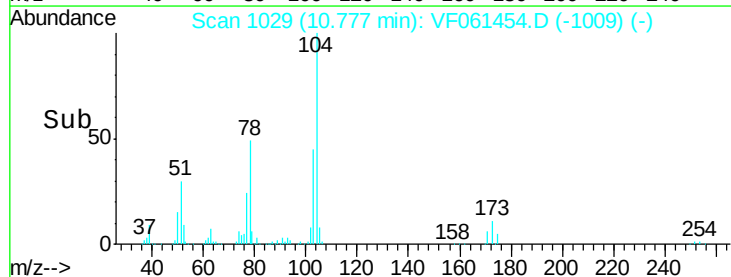
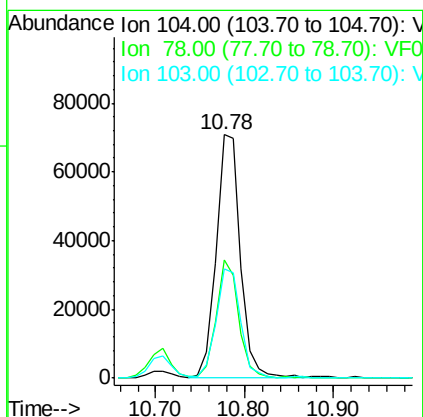
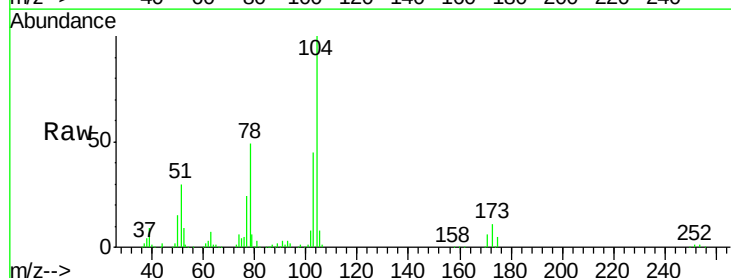
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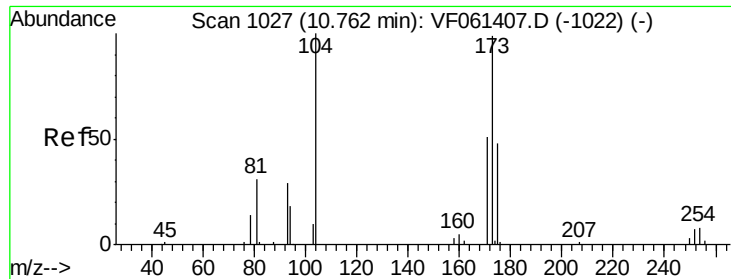
MMDadoda
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#70
Styrene
Concen: 21.910 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion:104 Resp: 134455
Ion Ratio Lower Upper
104 100
78 48.7 38.8 58.2
103 44.7 37.0 55.6





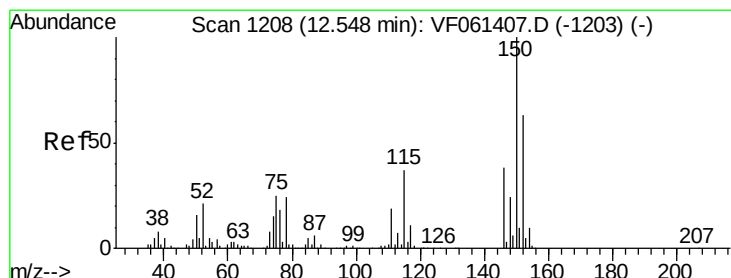
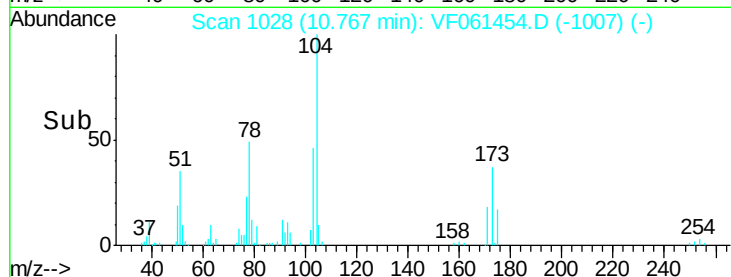
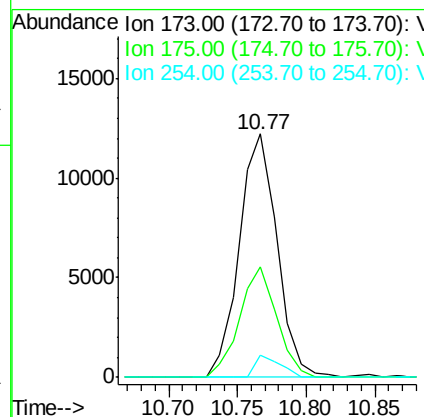
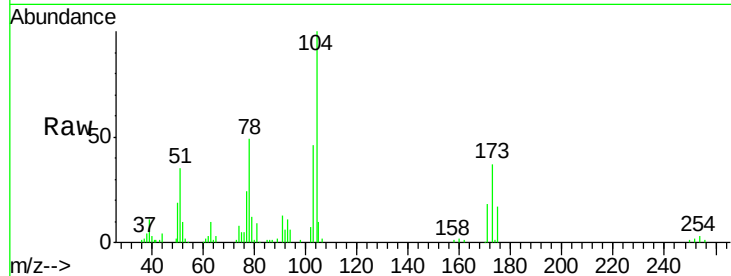
#71
Bromoform
Concen: 20.750 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.3	24.1	72.4
254	9.3	0.0	0.0#

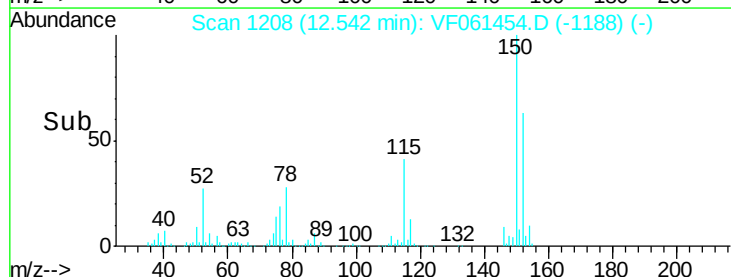
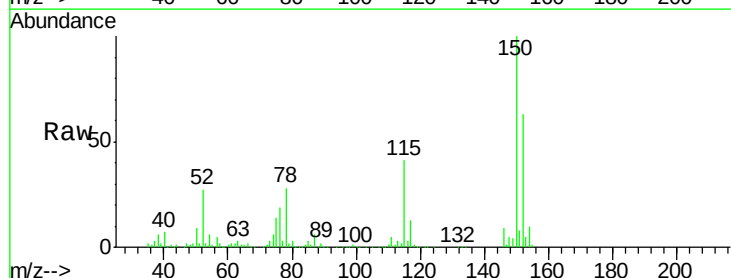
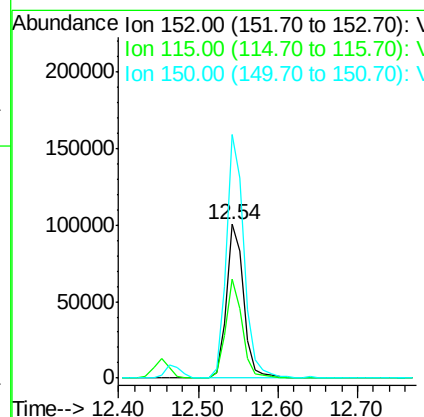
Manual Integrations
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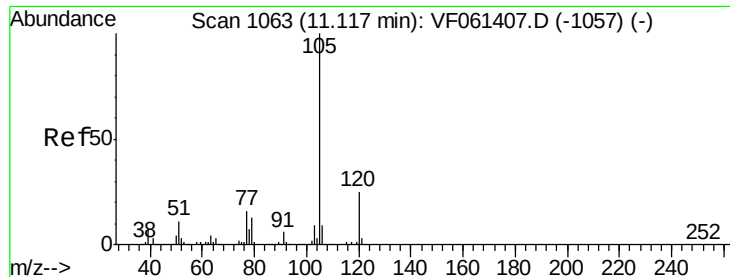
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.0	90.0
150	158.4	0.0	321.4





#73

Isopropylbenzene

Concen: 22.733 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion:105 Resp: 285287

Ion Ratio Lower Upper

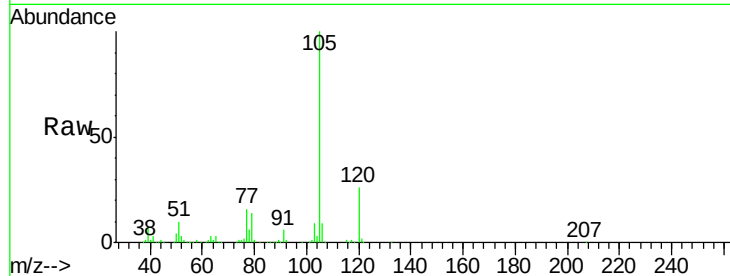
105 100

120 26.0 12.6 37.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

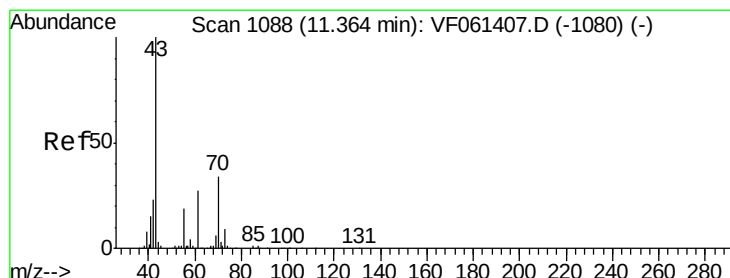
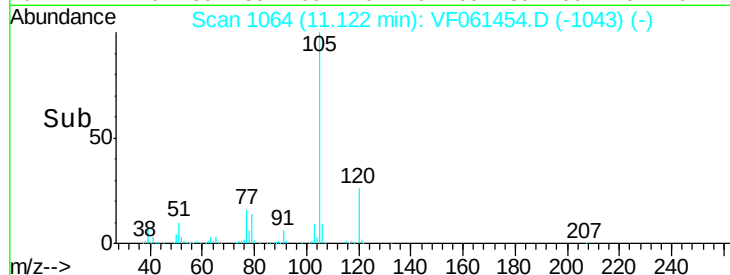
50000

0

Time-->

11.00 11.10 11.20

11.12



#74

N-ethyl acetate

Concen: 23.546 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion: 43 Resp: 69872

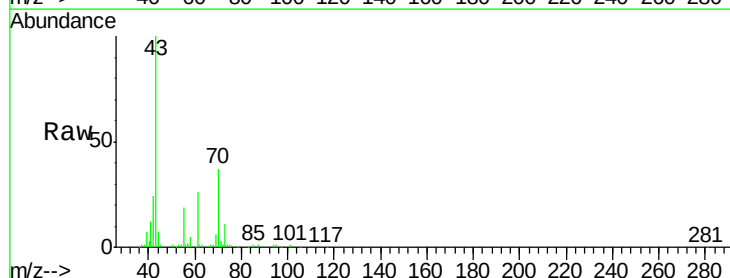
Ion Ratio Lower Upper

43 100

70 37.3 27.6 41.4

55 18.8 15.4 23.2

61 25.9 21.8 32.6



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

60000

50000

40000

30000

20000

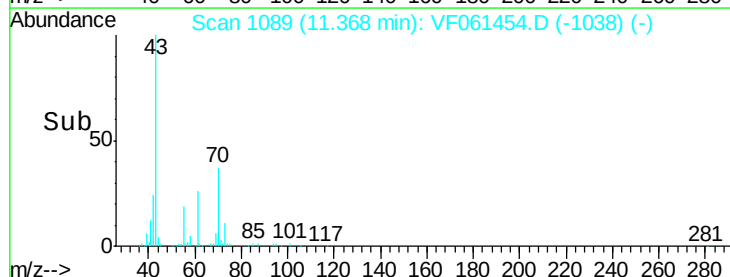
10000

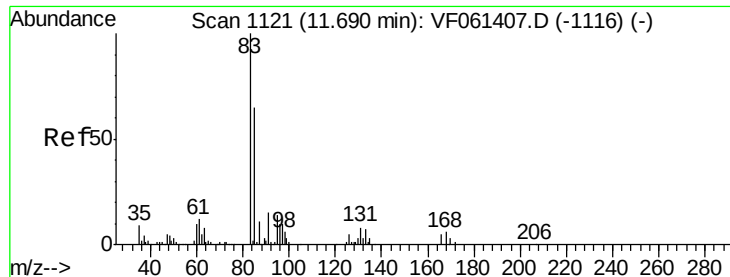
0

Time-->

11.30 11.40 11.50

11.37





#75

1,1,2,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

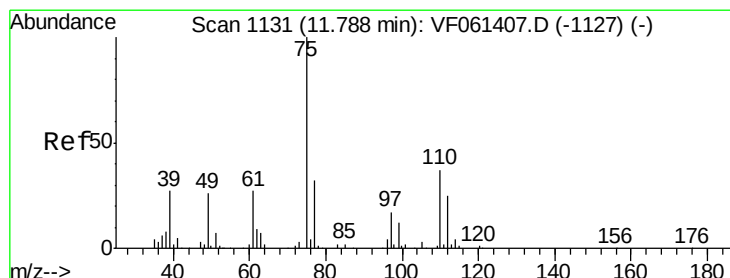
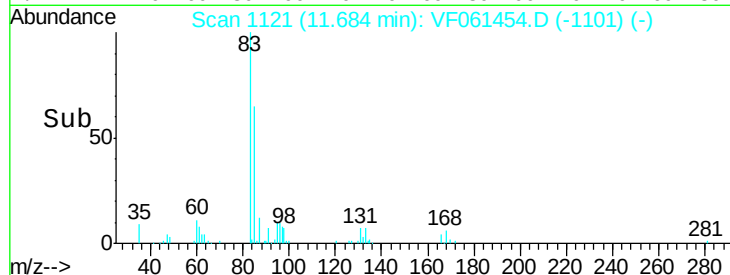
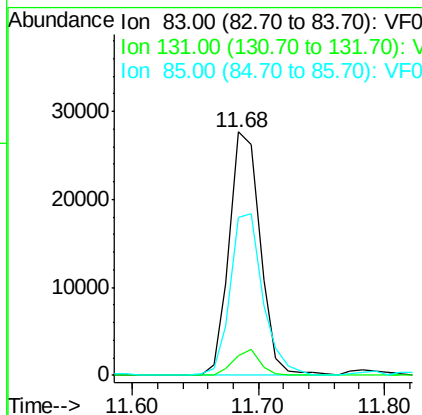
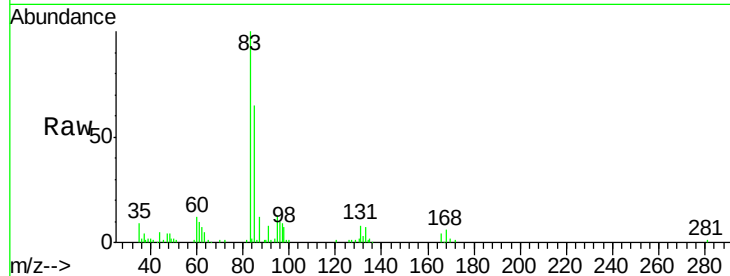
ClientSampleId :

VF0118SBS01

Tot Ion:	83	Resp:	47017
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.0	12.2
85	65.0	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.943 ug/l

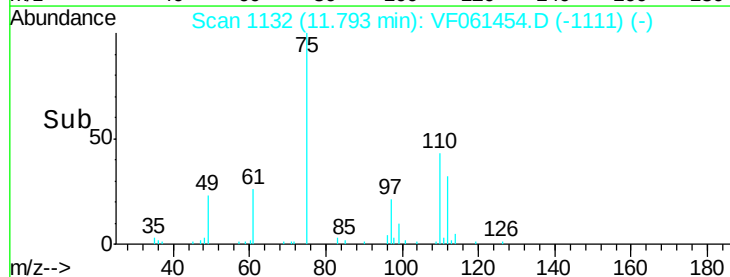
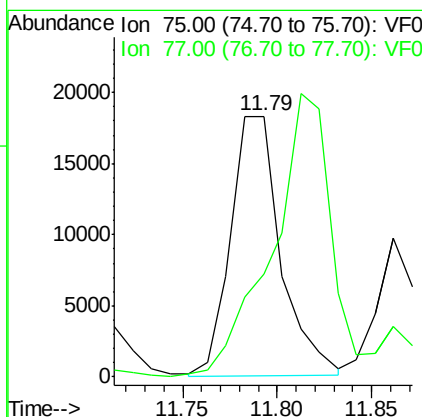
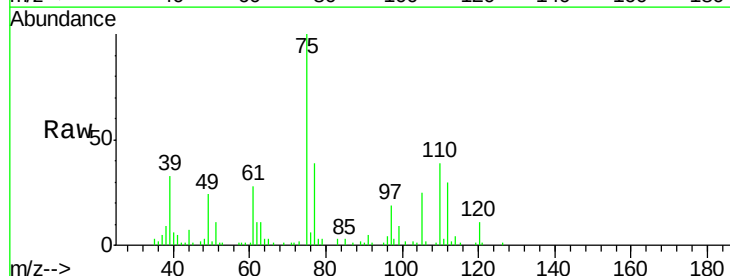
RT: 11.79 min Scan# 1132

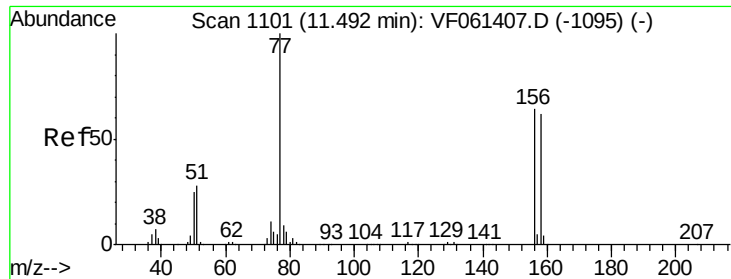
Delta R.T. 0.00 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	75	Resp:	33642
Ion Ratio	Lower	Upper	
75	100		
77	39.3	16.1	48.3





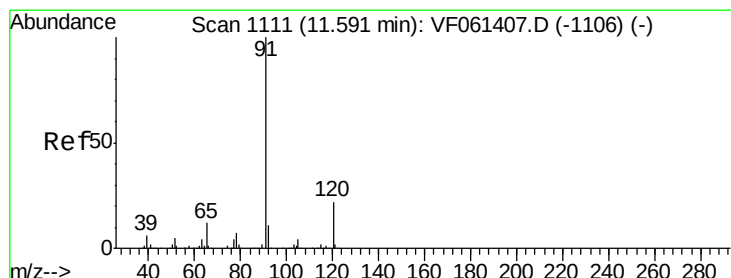
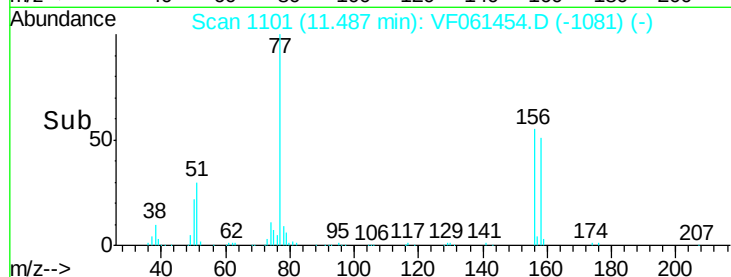
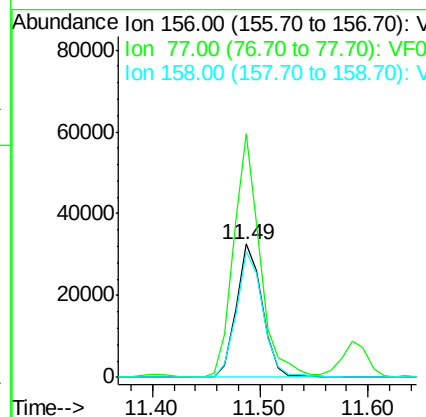
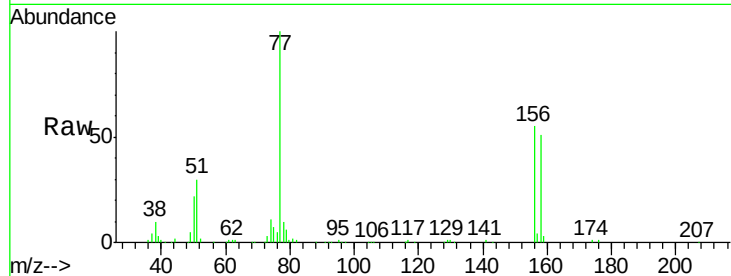
#77
Bromobenzene
Concen: 20.684 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.7	78.3	234.9
158	94.0	48.9	146.7

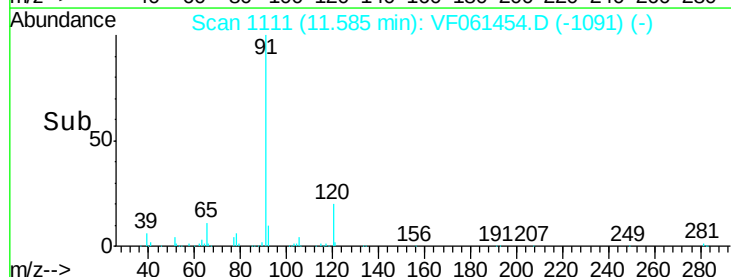
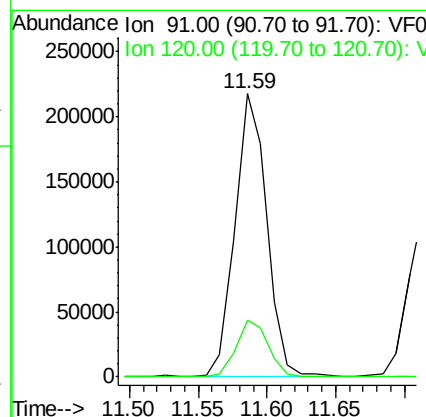
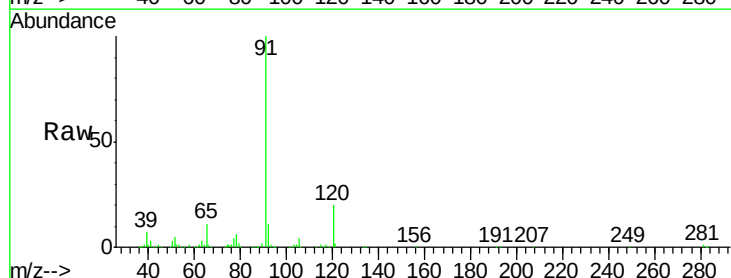
Manual Integrations
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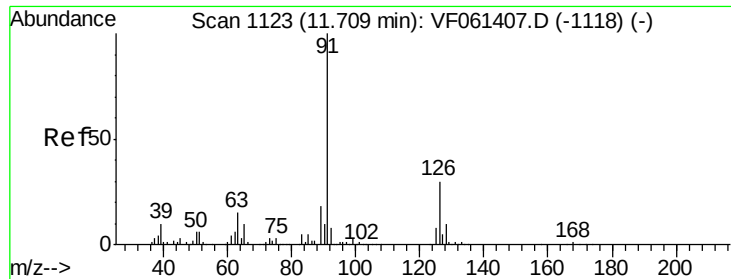
MMDadoda
1/21/2019 11:11:09 AM



#78
n-propylbenzene
Concen: 21.422 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.9	32.6





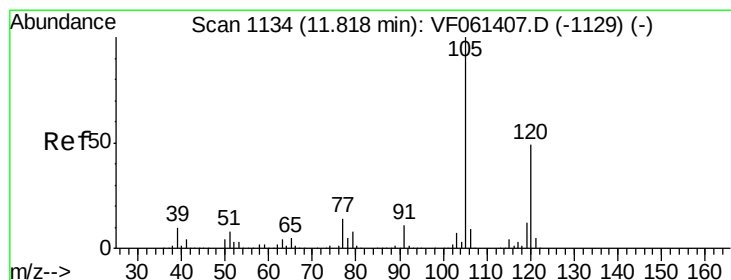
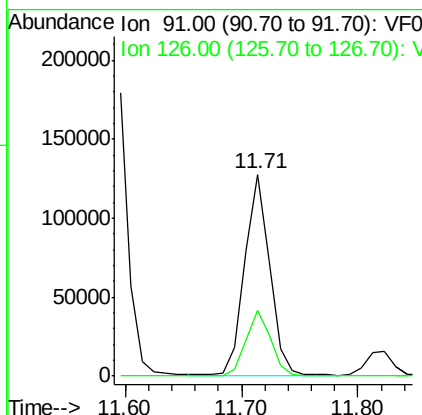
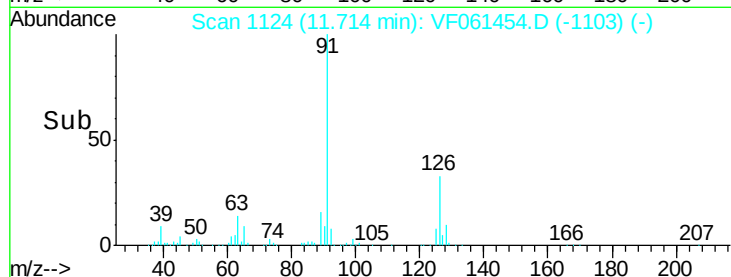
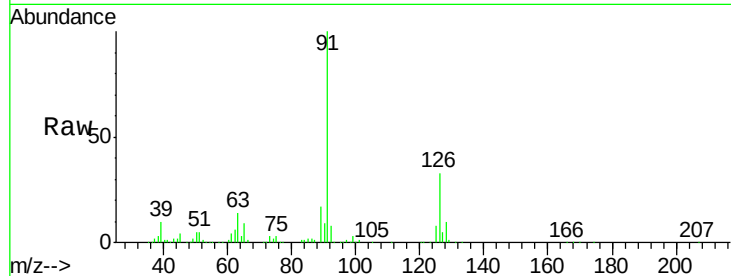
#79
2-Chlorotoluene
Concen: 21.785 ug/l
RT: 11.71 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion: 91 Resp: 189689
Ion Ratio Lower Upper
91 100
126 32.5 15.0 45.1

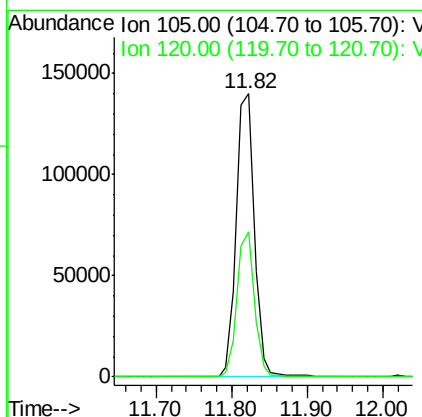
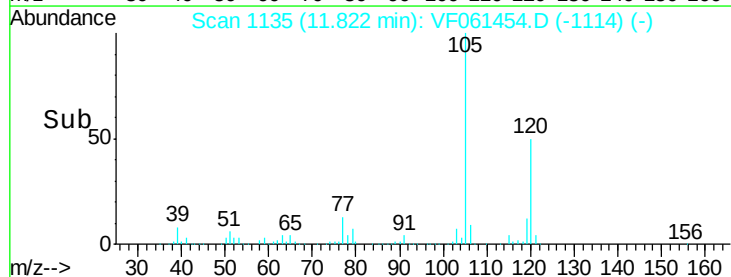
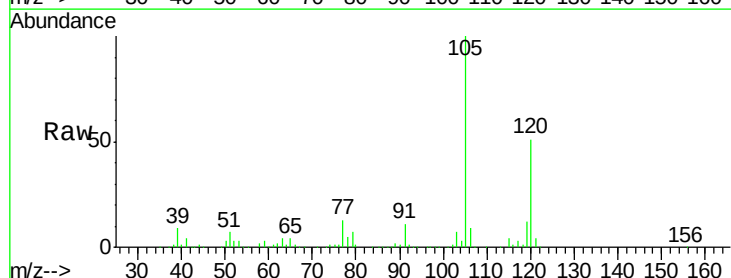
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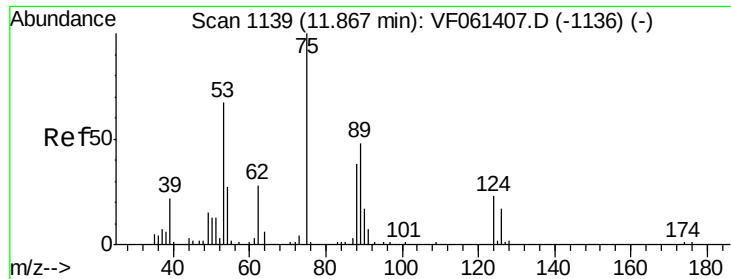
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#80
1,3,5-Trimethylbenzene
Concen: 22.806 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion: 105 Resp: 230967
Ion Ratio Lower Upper
105 100
120 51.2 24.7 74.1





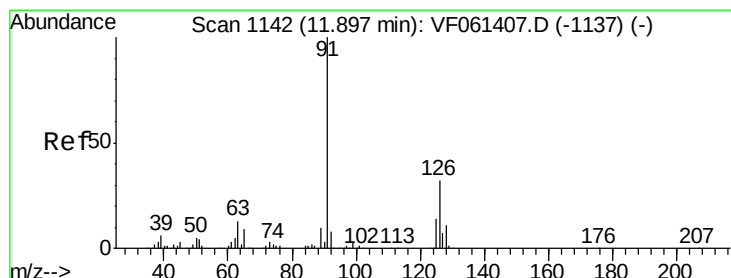
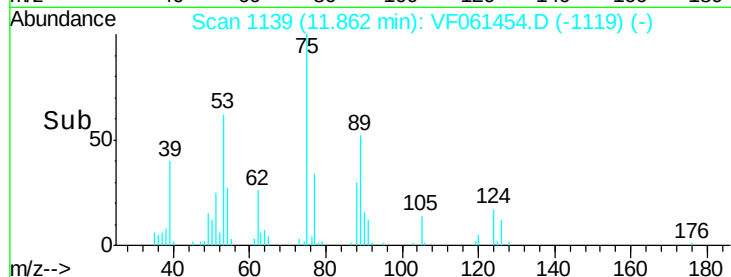
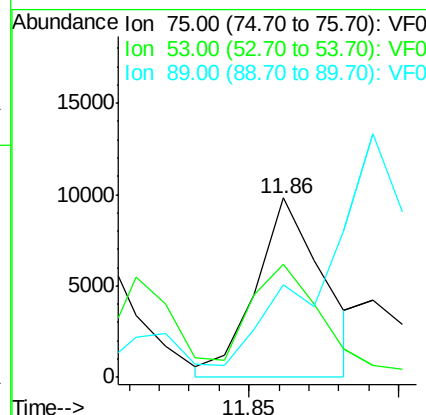
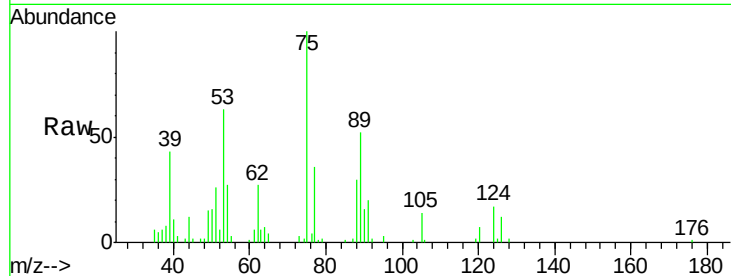
#81
trans-1,4-Dichloro-2-butene
Concen: 21.665 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.0	57.8	86.6
89	51.9	40.7	61.1

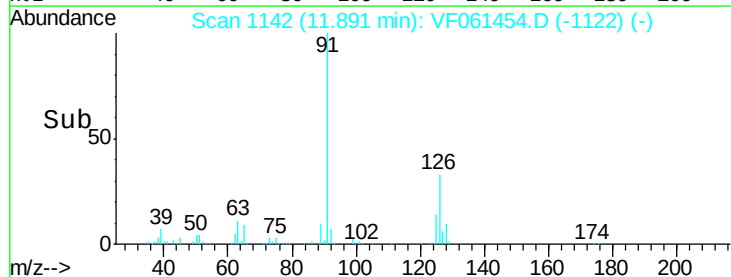
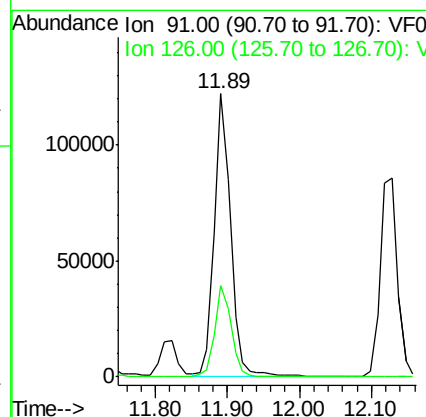
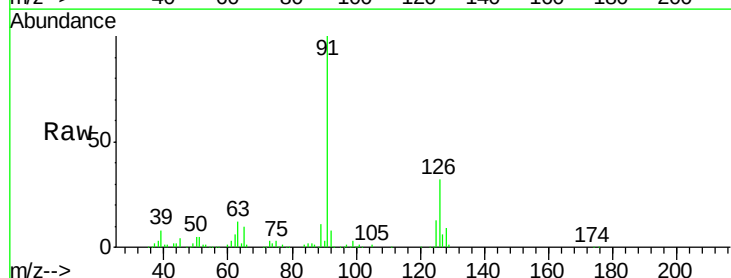
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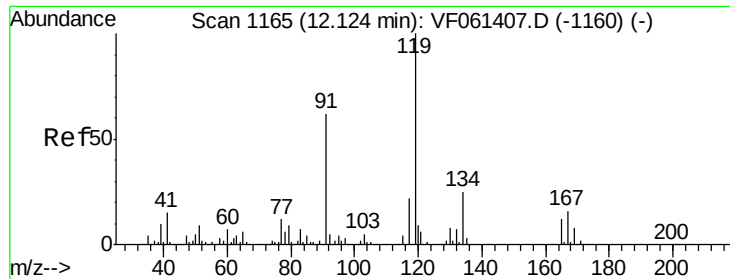
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.876 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9





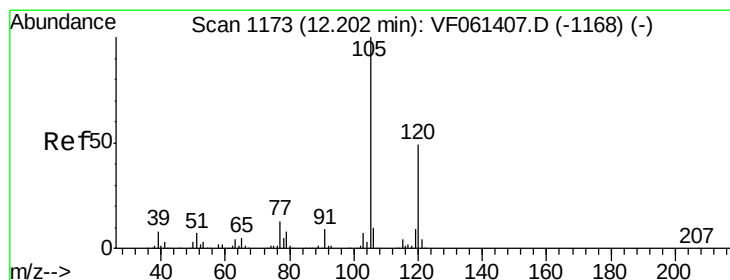
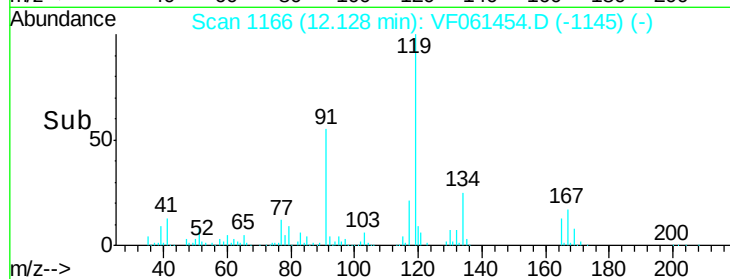
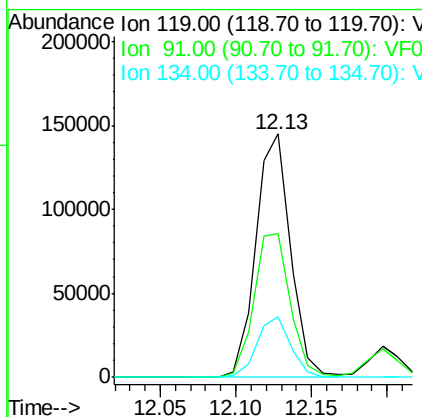
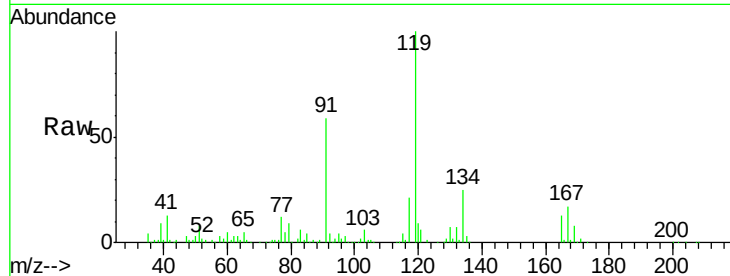
#83
tert-Butylbenzene
Concen: 22.158 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232259		
91	59.1		31.3	93.8
134	24.8		12.4	37.0

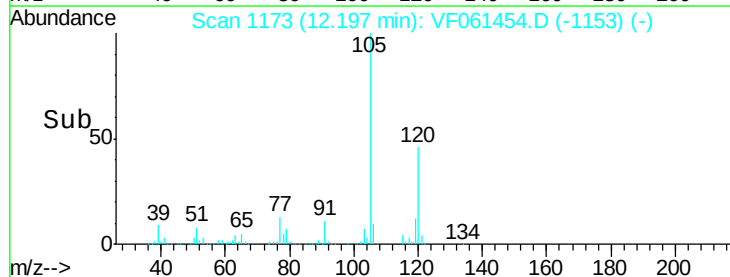
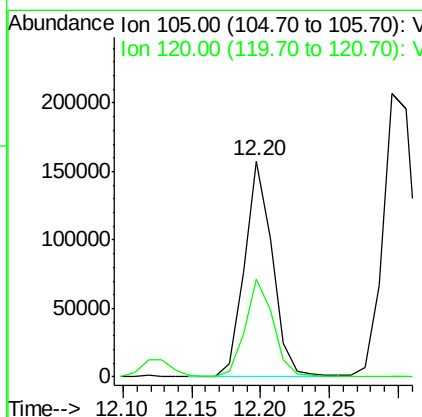
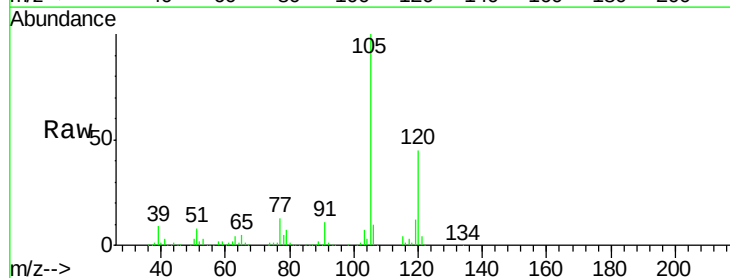
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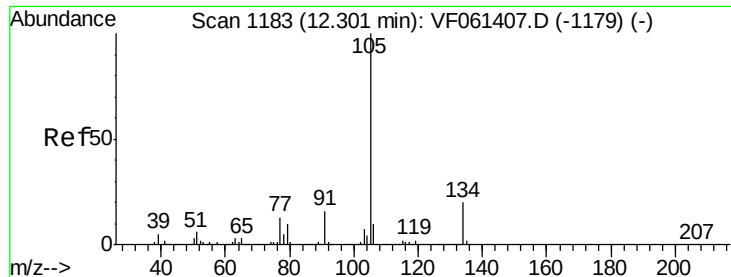
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#84
1,2,4-Trimethylbenzene
Concen: 21.332 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222528		
120	45.5		24.9	74.6





#85

sec-Butylbenzene

Concen: 23.236 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

ClientSampleId :

VF0118SBS01

Tot Ion:105 Resp: 330764

Ion Ratio Lower Upper

105 100

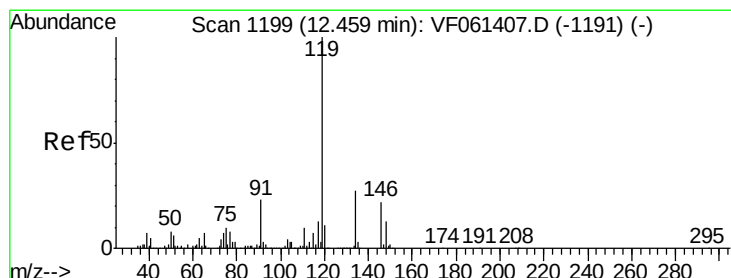
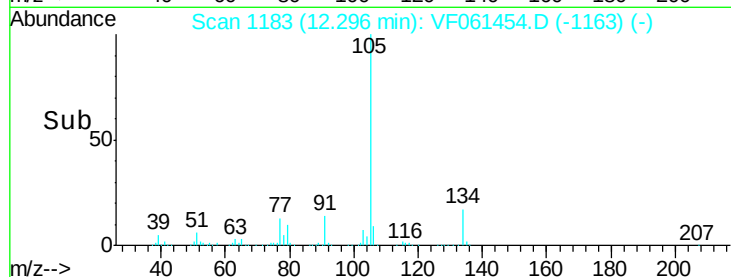
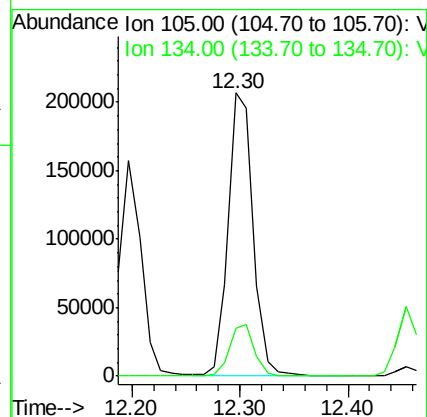
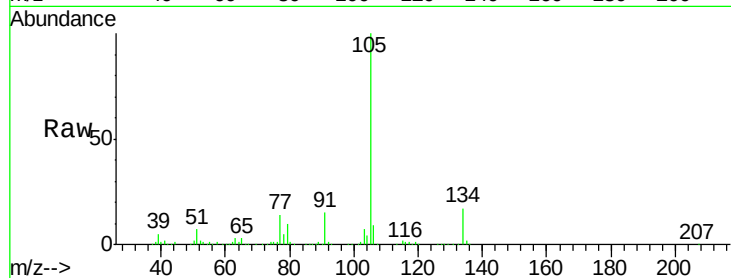
134 17.0 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.980 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

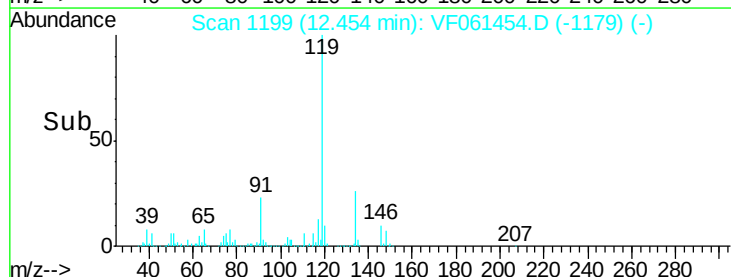
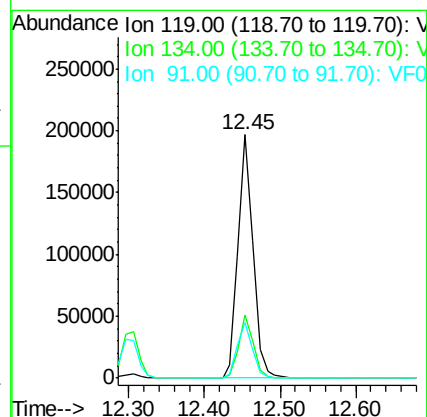
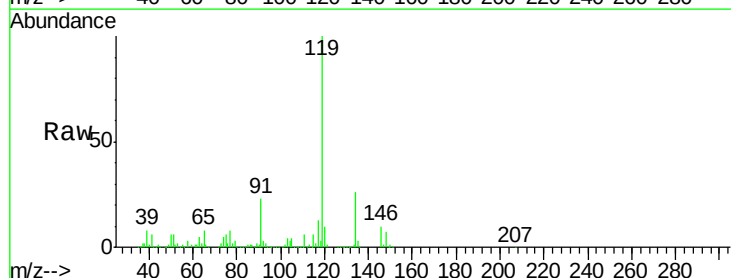
Tgt Ion:119 Resp: 268532

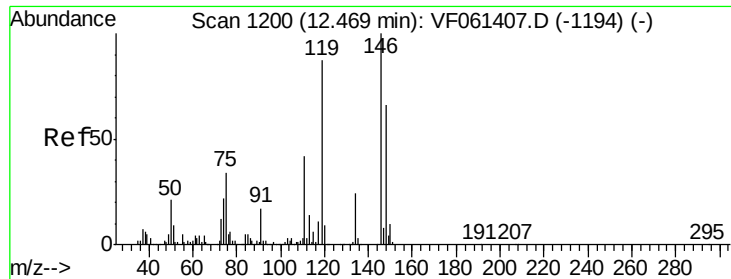
Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.2

91 22.8 11.4 34.2





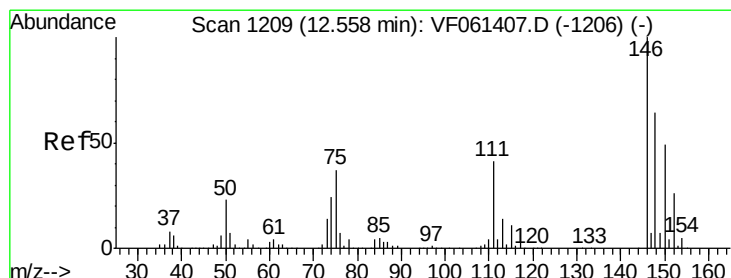
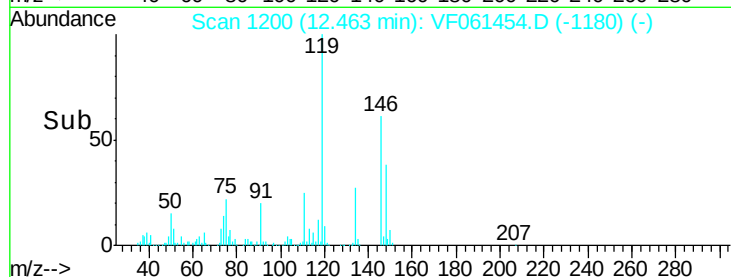
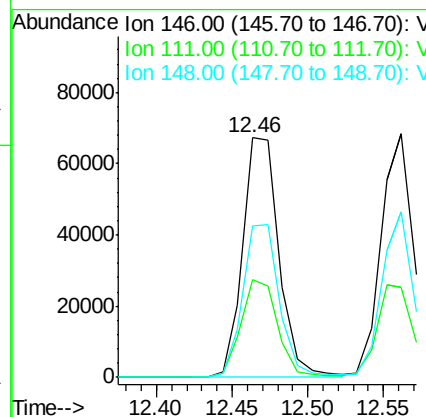
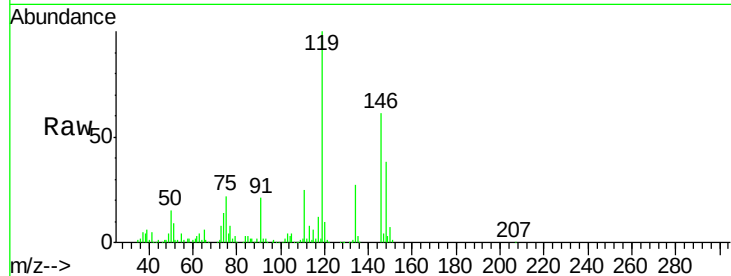
#87
 1,3-Dichlorobenzene
 Concen: 20.218 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.4
148	63.1	32.9	98.6

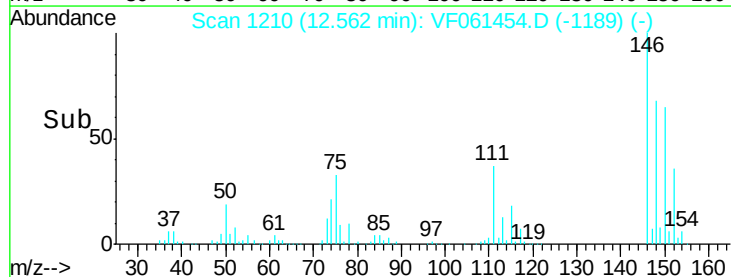
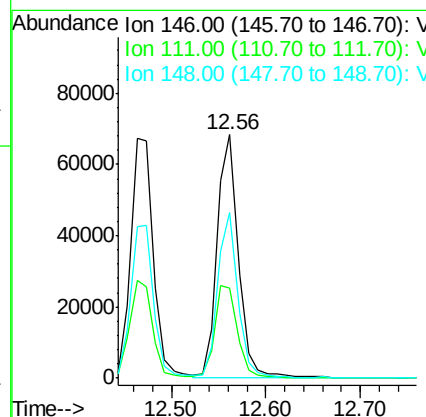
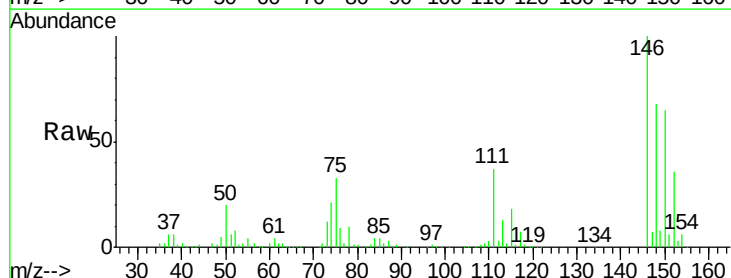
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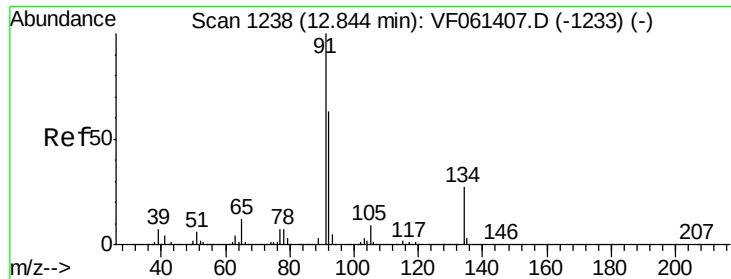
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#88
 1,4-Dichlorobenzene
 Concen: 21.444 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.8	62.2
148	67.8	32.1	96.5





#89

n-Butylbenzene

Concen: 24.105 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Instrument :

MSVOA_F

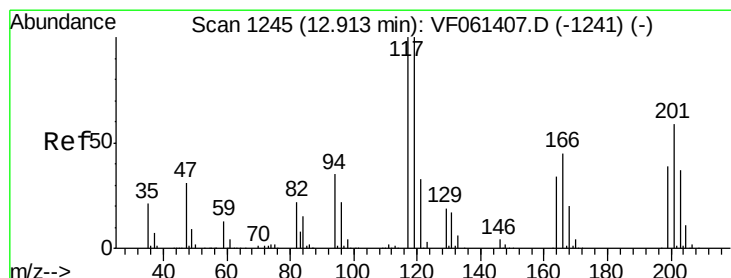
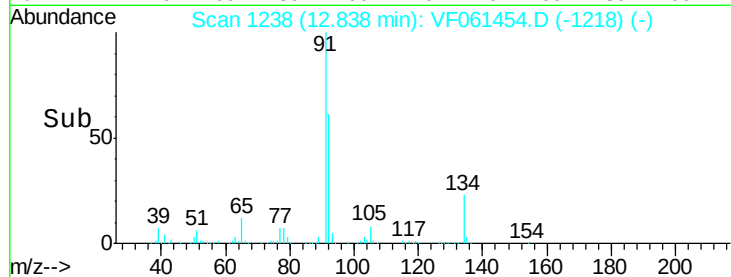
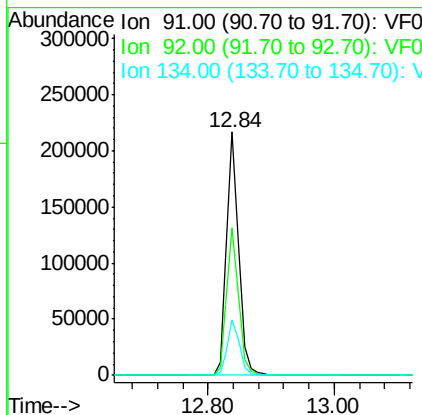
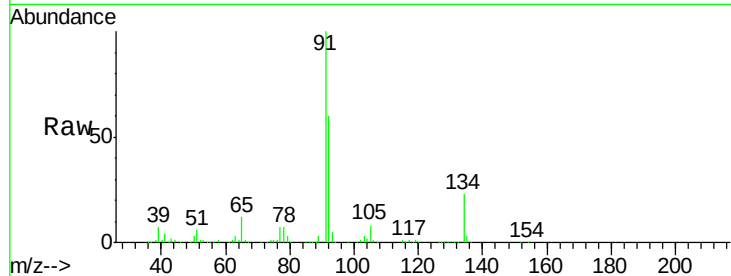
ClientSampleId :

VF0118SBS01

Tot Ion:	91	Resp:	290495
Ion	Ratio	Lower	Upper
91	100		
92	60.5	31.6	94.7
134	22.9	13.6	40.8

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#90

Hexachloroethane

Concen: 22.722 ug/l

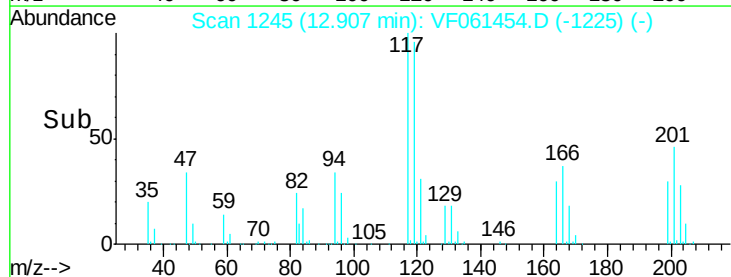
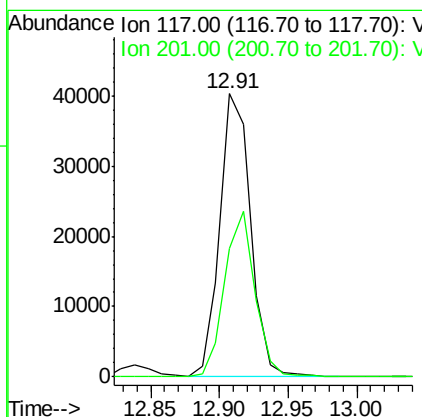
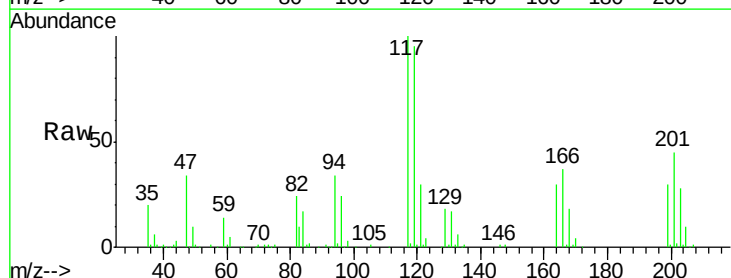
RT: 12.91 min Scan# 1245

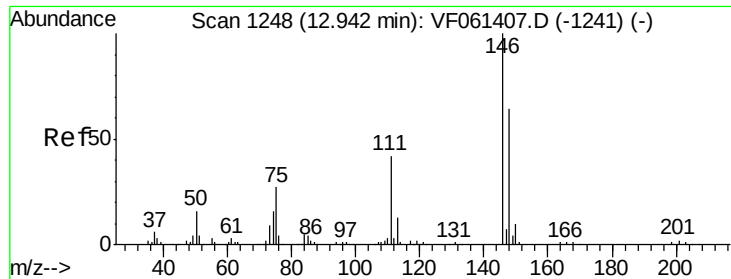
Delta R.T. -0.01 min

Lab File: VF061454.D

Acq: 18 Jan 2019 12:42

Tgt Ion:	117	Resp:	62590
Ion	Ratio	Lower	Upper
117	100		
201	45.4	29.3	87.8





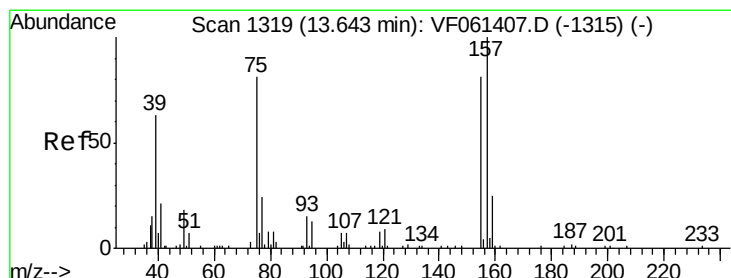
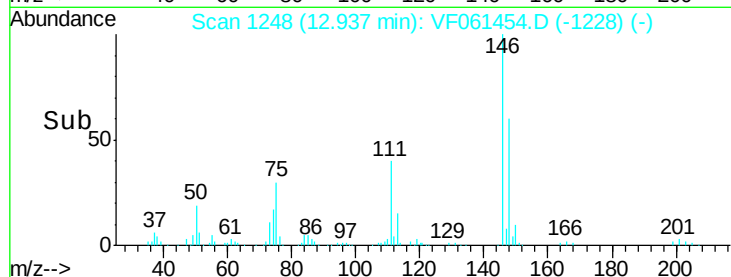
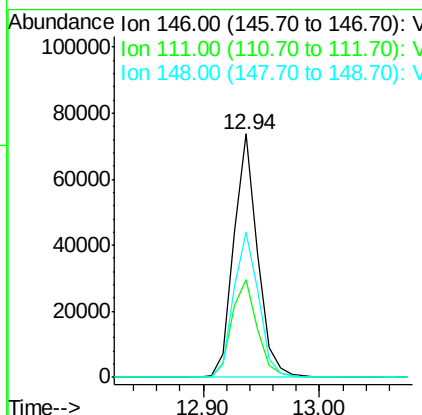
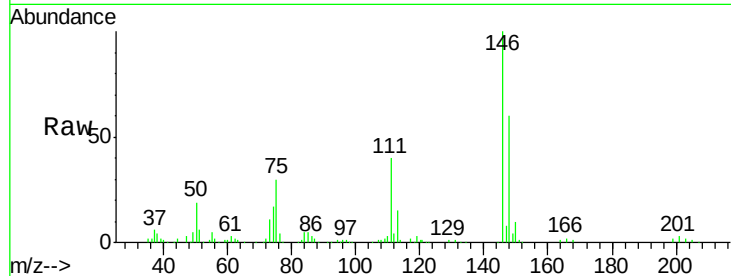
#91
 1,2-Dichlorobenzene
 Concen: 21.120 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampled :
 VF0118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	59.8	31.9	95.7

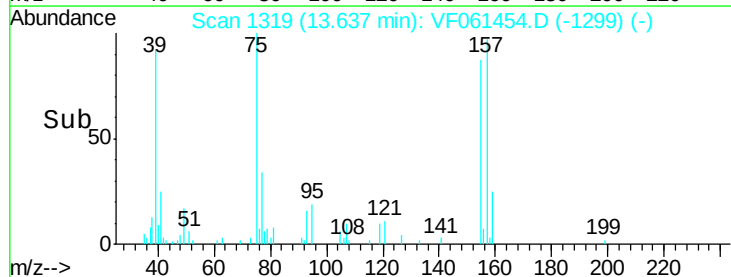
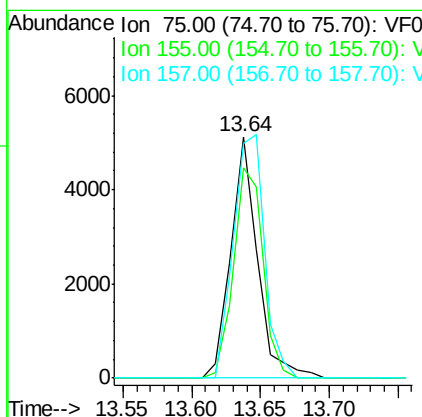
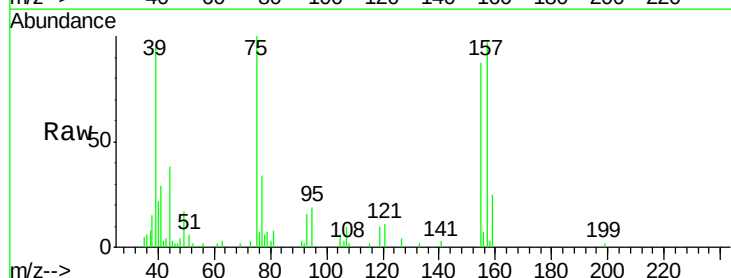
Manual Integrations
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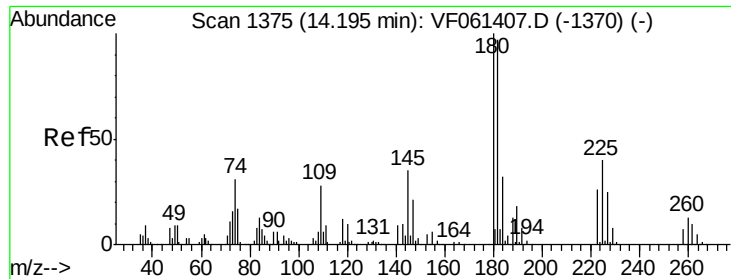
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.469 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	49.7	149.1
157	97.5	61.4	184.1





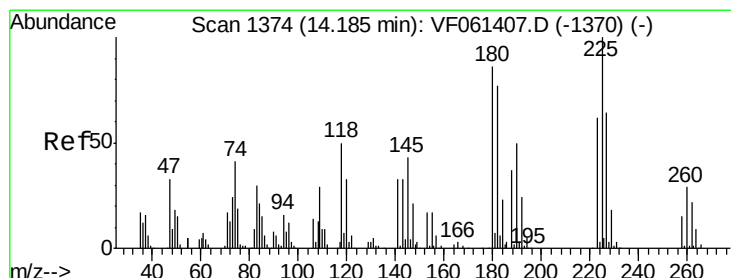
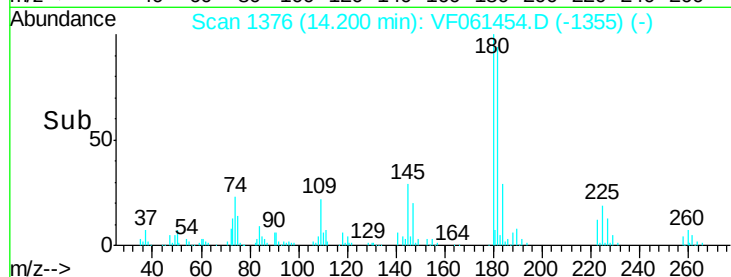
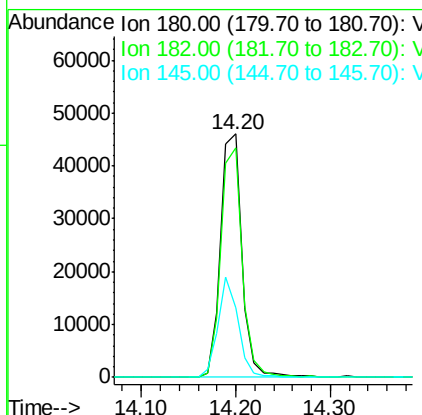
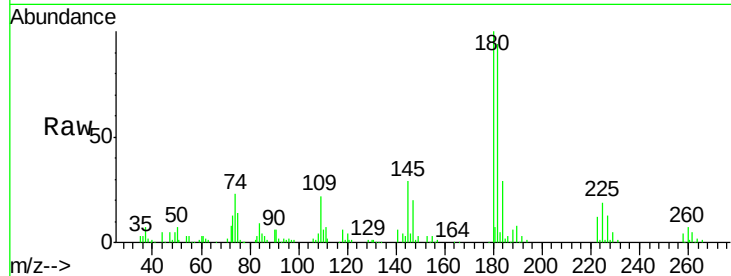
#93
 1,2,4-Trichlorobenzene
 Concen: 20.891 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72558		
182	94.2		48.5	145.6
145	28.7		17.5	52.6

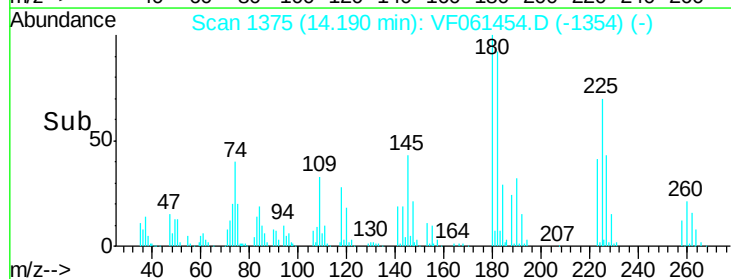
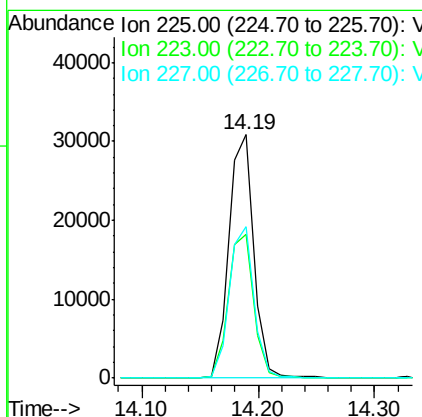
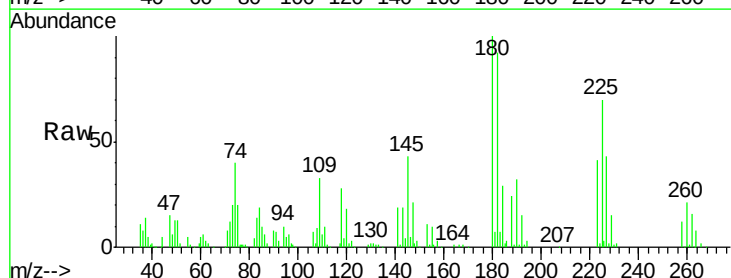
Manual Integrations
 APPROVED

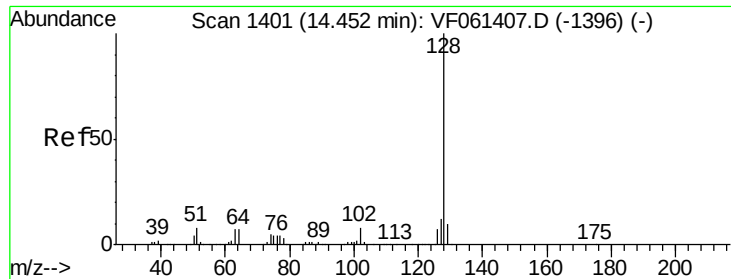
MMDadoda
 1/21/2019 11:11:09 AM



#94
 Hexachlorobutadiene
 Concen: 21.294 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061454.D
 Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45891		
223	59.0		31.1	93.2
227	62.1		32.2	96.6





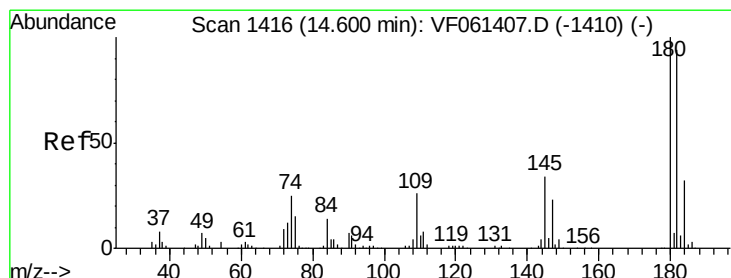
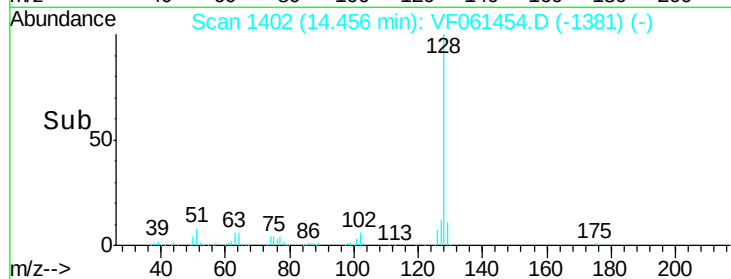
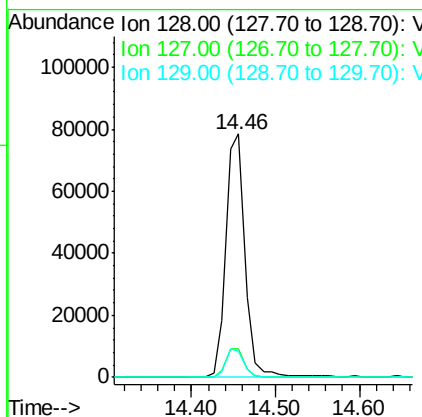
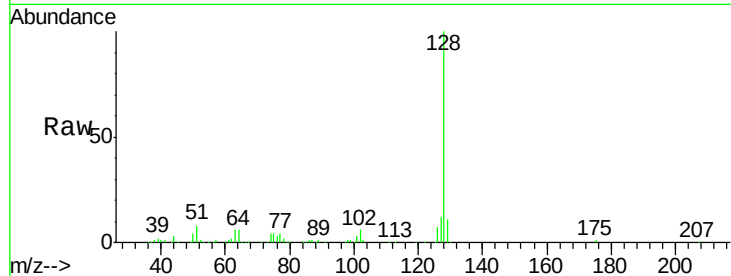
#95
Naphthalene
Concen: 18.837 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Instrument :
MSVOA_F
ClientSampleId :
VF0118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	124299		
127	11.6		9.5	14.3
129	10.6		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/21/2019 11:11:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.756 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061454.D
Acq: 18 Jan 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63515		
182	92.8		47.0	141.2
145	36.7		17.1	51.2

