

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061544.D
 Acq On : 7 Feb 2019 14:49
 Operator : VA/AP
 Sample : VF0207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:35:51 PM

Quant Time: Feb 09 04:46:43 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	185127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	313657	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	267412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	149812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112003	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	4.11	113	118439	47.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	7.54	98	319475	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.41	95	147963	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	55269	15.194	ug/l	87
3) Chloromethane	1.09	50	43207	16.200	ug/l	95
4) Vinyl Chloride	1.13	62	40588	17.107	ug/l	99
5) Bromomethane	1.32	94	25954	16.776	ug/l	89
6) Chloroethane	1.40	64	19051	18.122	ug/l	100
7) Trichlorofluoromethane	1.47	101	76568	16.601	ug/l	92
8) Diethyl Ether	1.62	74	9993	16.909	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.83	101	38703	17.464	ug/l	91
10) Methyl Iodide	1.91	142	59664m	17.366	ug/l	
11) Tert butyl alcohol	2.58	59	9125	94.319	ug/l #	83
12) 1,1-Dichloroethene	1.79	96	28233	17.147	ug/l	96
13) Acrolein	2.00	56	4535	62.508	ug/l	92
14) Allyl chloride	2.10	41	43843	21.150	ug/l	88
15) Acrylonitrile	2.93	53	21632	87.290	ug/l	94
16) Acetone	2.23	43	54930	119.797	ug/l	97
17) Carbon Disulfide	1.81	76	83804	16.324	ug/l	97
18) Methyl Acetate	2.34	43	15645	17.205	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	64255	17.408	ug/l #	91
20) Methylene Chloride	2.17	84	32110m	19.560	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	29930	16.522	ug/l	95
22) Diisopropyl ether	2.80	45	106831	18.232	ug/l	99
23) Vinyl Acetate	3.18	43	240341	95.258	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61223	16.648	ug/l	98
25) 2-Butanone	4.33	43	76554	100.398	ug/l	99
26) 2,2-Dichloropropane	3.60	77	42116	18.640	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	47747	17.855	ug/l	96
28) Bromochloromethane	3.71	49	33758	20.422	ug/l	86
29) Tetrahydrofuran	4.07	42	30179	91.917	ug/l	99
30) Chloroform	3.85	83	89282	17.989	ug/l	95
31) Cyclohexane	3.67	56	67914m	18.488	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	58467	16.066	ug/l	96
36) 1,1-Dichloropropene	4.28	75	64295	17.680	ug/l	98
37) Ethyl Acetate	4.11	43	26924	18.521	ug/l #	68
38) Carbon Tetrachloride	3.98	117	56058	17.632	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	65565	16.636	ug/l	91
40) Benzene	4.62	78	150520	18.600	ug/l	99
41) Methacrylonitrile	4.74	41	13582	17.559	ug/l #	92
42) 1,2-Dichloroethane	4.93	62	53469	18.542	ug/l	100
43) Isopropyl Acetate	6.95	43	30917	16.945	ug/l #	90
44) Trichloroethene	5.50	130	46020	18.538	ug/l	89
45) 1,2-Dichloropropane	6.23	63	39590	18.641	ug/l	100
46) Dibromomethane	6.07	93	24586	17.409	ug/l	88
47) Bromodichloromethane	6.38	83	62820	17.979	ug/l	99
48) Methyl methacrylate	6.71	41	19664	16.050	ug/l	93
49) 1,4-Dioxane	6.70	88	3359	347.477	ug/l #	85
51) 4-Methyl-2-Pentanone	8.25	43	123708	92.230	ug/l	93
52) Toluene	7.62	92	94279	17.692	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	50262	18.115	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	66406	19.148	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	28703	18.967	ug/l	97
56) Ethyl methacrylate	8.62	69	31790	18.056	ug/l	97
57) 1,3-Dichloropropane	8.84	76	48460	17.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	22621	136.557	ug/l	97
59) 2-Hexanone	9.48	43	100008	106.925	ug/l	96
60) Dibromochloromethane	8.70	129	40345	18.236	ug/l	98
61) 1,2-Dibromoethane	8.98	107	29509	17.034	ug/l	98
64) Tetrachloroethene	8.14	164	39142	19.464	ug/l	93
65) Chlorobenzene	9.79	112	102490	18.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	45693	21.092	ug/l	98
67) Ethyl Benzene	9.89	91	196675	19.795	ug/l	96
68) m/p-Xylenes	10.13	106	140858	39.418	ug/l	98
69) o-Xylene	10.71	106	78127	20.172	ug/l	96
70) Styrene	10.79	104	107927	20.358	ug/l	98
71) Bromoform	10.77	173	22581	23.199	ug/l	95
73) Isopropylbenzene	11.12	105	224256	18.405	ug/l	100
74) N-amyl acetate	11.37	43	60370	20.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	42160	19.423	ug/l	92
76) 1,2,3-Trichloropropane	11.79	75	28743	18.429	ug/l	99
77) Bromobenzene	11.49	156	48219	18.739	ug/l	90
78) n-propylbenzene	11.59	91	278535	17.467	ug/l	96
79) 2-Chlorotoluene	11.71	91	151728	17.947	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	192268	19.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	12129m	17.889	ug/l	
82) 4-Chlorotoluene	11.89	91	156581	18.354	ug/l	99
83) tert-Butylbenzene	12.13	119	200834	19.733	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	181143	17.884	ug/l	94
85) sec-Butylbenzene	12.30	105	261297	18.906	ug/l	97
86) p-Isopropyltoluene	12.45	119	221145	19.491	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	95194	17.564	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	94807	19.497	ug/l	96
89) n-Butylbenzene	12.84	91	231629	19.796	ug/l	95
90) Hexachloroethane	12.91	117	55834	20.877	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	89327	18.557	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6816	17.704	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	65535	19.434	ug/l	96
94) Hexachlorobutadiene	14.18	225	40333	19.275	ug/l	97
95) Naphthalene	14.46	128	109044	17.020	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	56262	18.023	ug/l	98

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

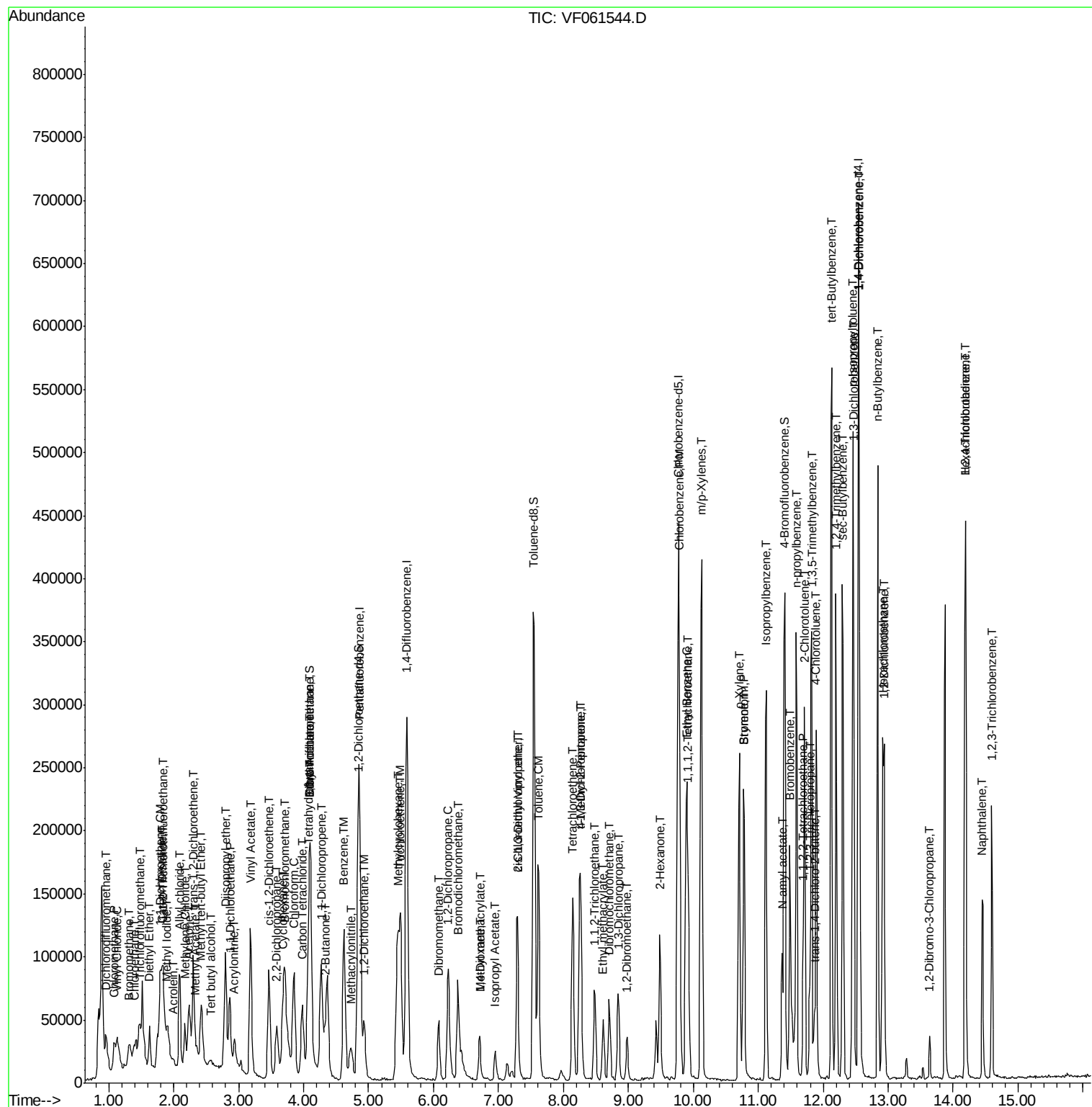
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
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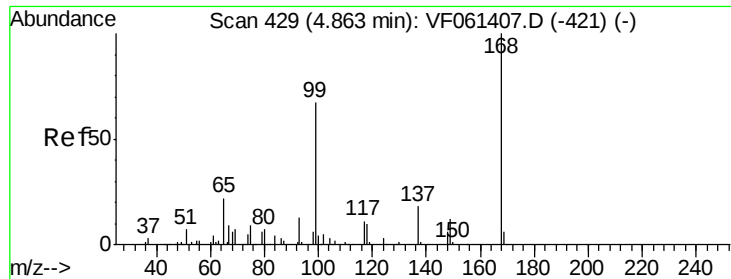
Instrument :
MSVOA_F
Client Sample Id :
VF0207SBS01

Manual Integrations
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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: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion:168 Resp: 185127

Ion Ratio Lower Upper

168 100

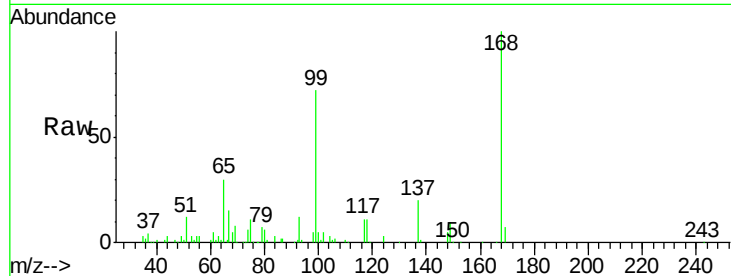
99 72.0 53.5 80.3

Manual Integrations

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2/11/2019 12:35:51 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

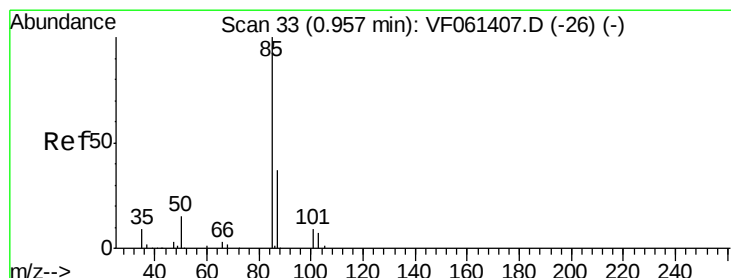
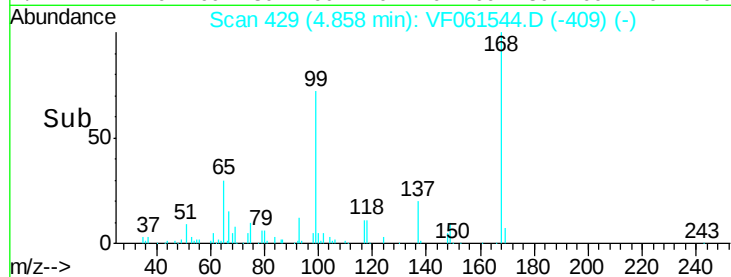
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.194 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061544.D

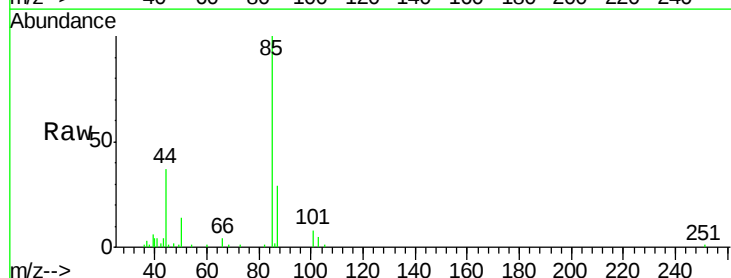
Acq: 7 Feb 2019 14:49

Tgt Ion: 85 Resp: 55269

Ion Ratio Lower Upper

85 100

87 28.7 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

15000

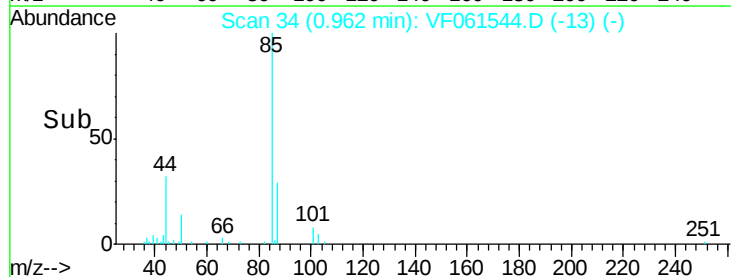
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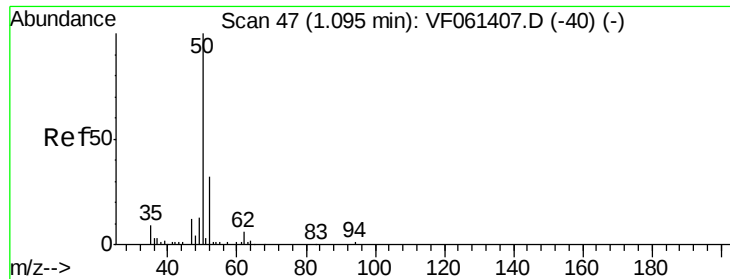
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 16.200 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 50 Resp: 43207

Ion Ratio Lower Upper

50 100

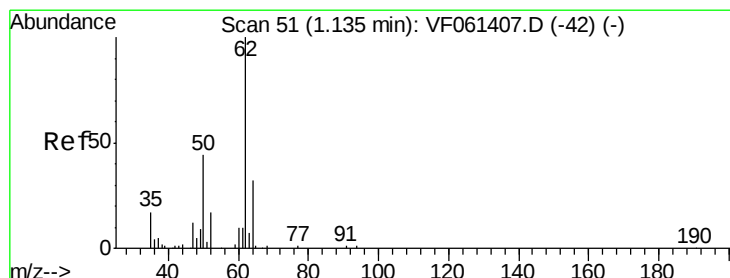
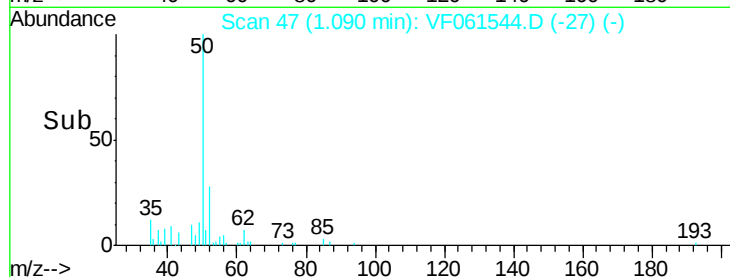
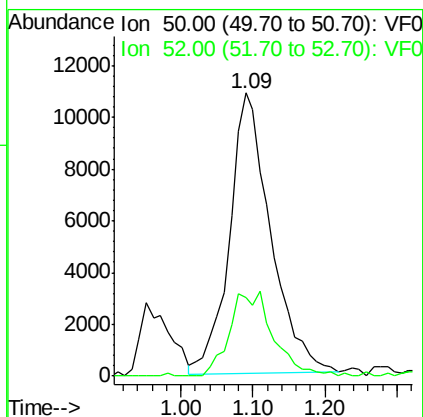
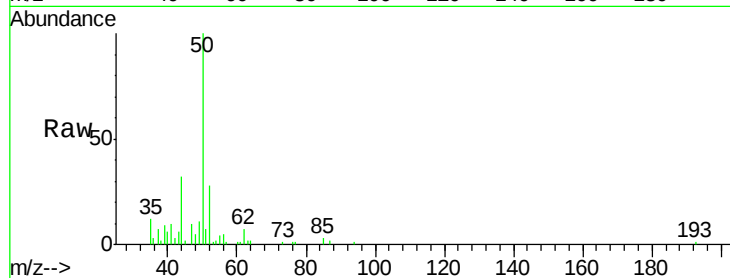
52 28.0 24.6 36.8

Manual Integrations

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2/11/2019 12:35:51 PM



#4

Vinyl Chloride

Concen: 17.107 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061544.D

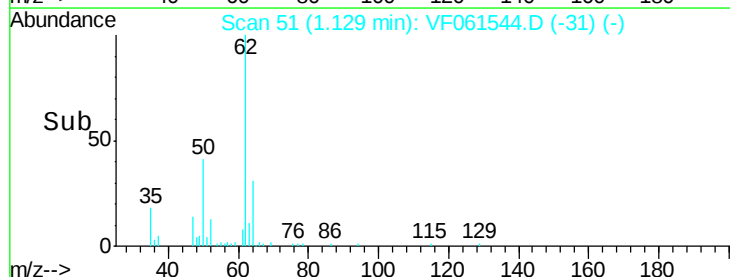
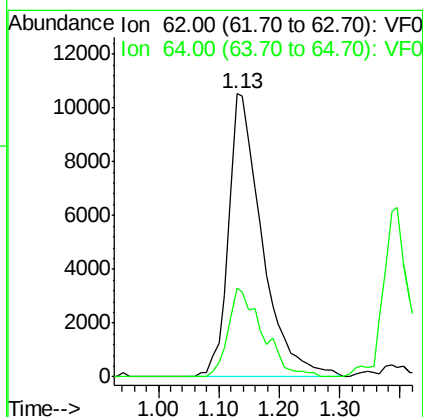
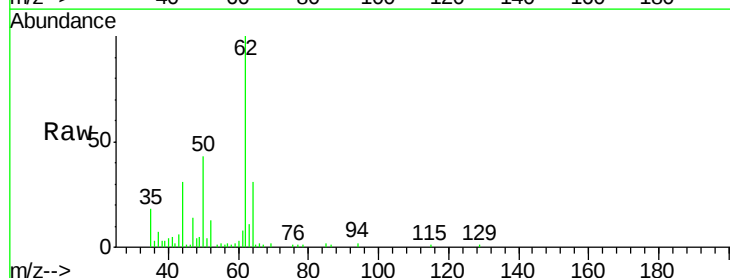
Acq: 7 Feb 2019 14:49

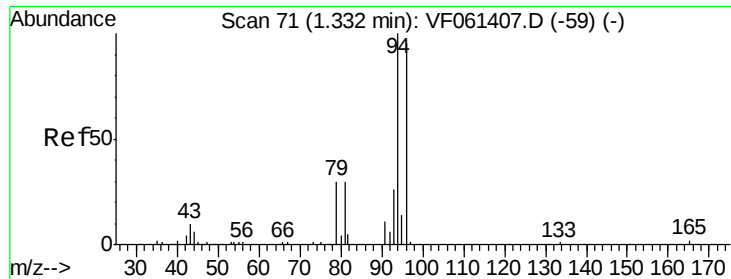
Tgt Ion: 62 Resp: 40588

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 16.776 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

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ClientSampleId :

VF0207SBS01

Tot Ion: 94 Resp: 25954

Ion Ratio Lower Upper

94 100

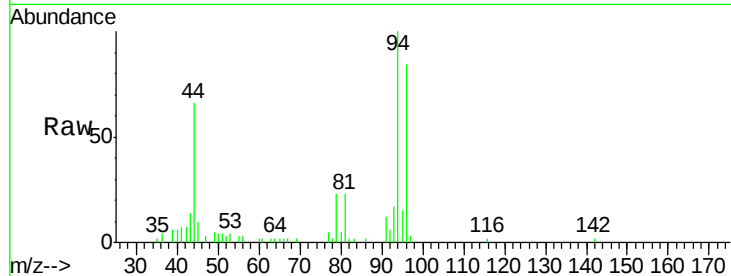
96 84.0 76.0 114.0

Manual Integrations

APPROVED

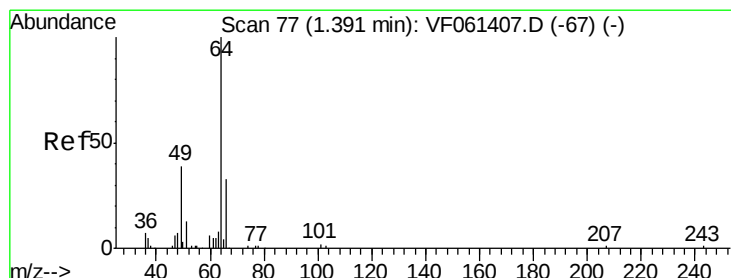
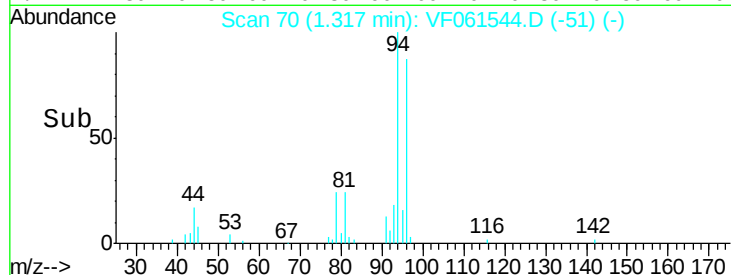
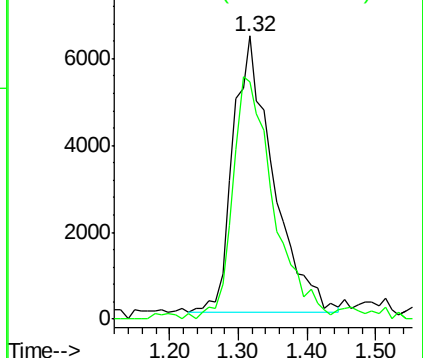
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.122 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061544.D

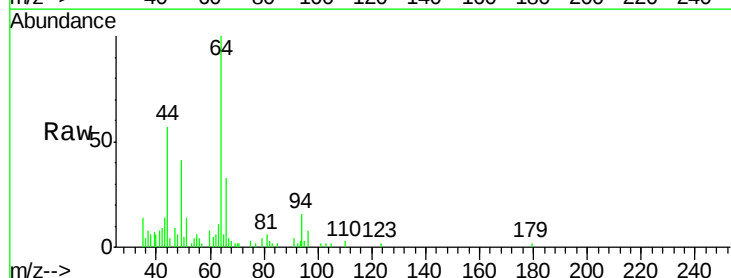
Acq: 7 Feb 2019 14:49

Tgt Ion: 64 Resp: 19051

Ion Ratio Lower Upper

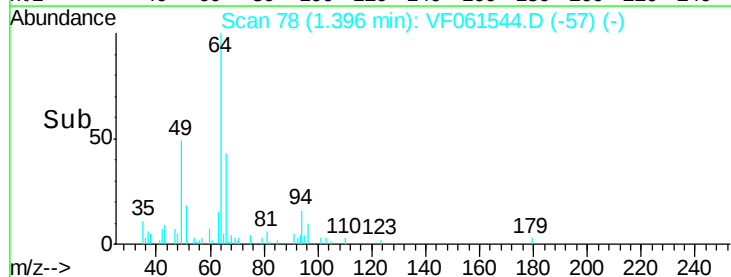
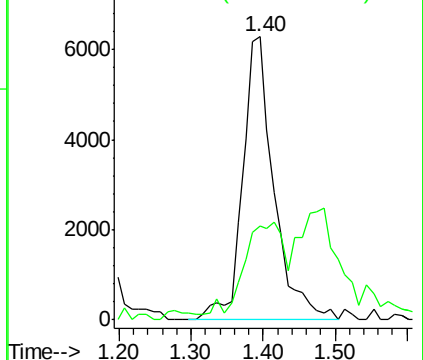
64 100

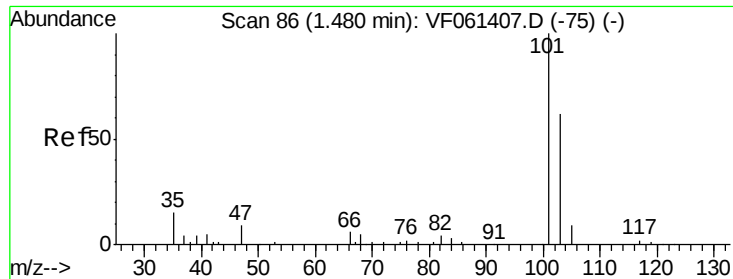
66 33.1 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

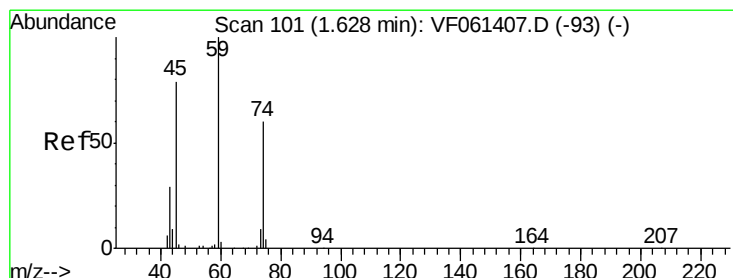
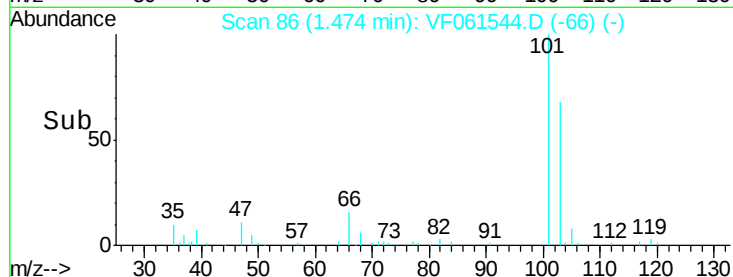
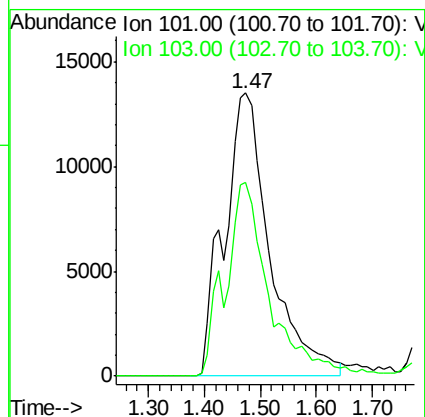
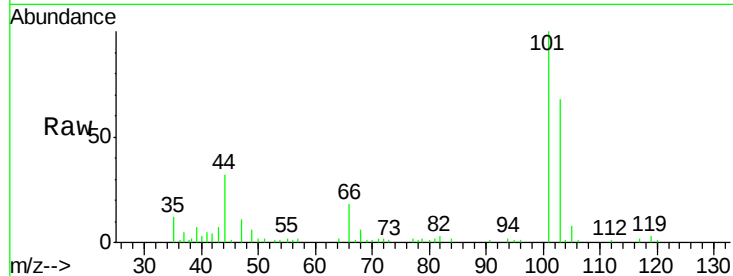
Trichlorofluoromethane
Concen: 16.601 ug/l
RT: 1.47 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
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ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	49.7	74.5

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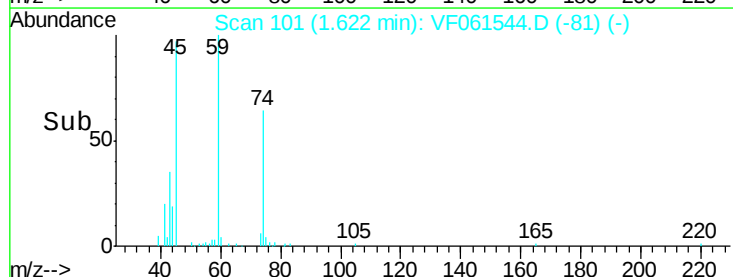
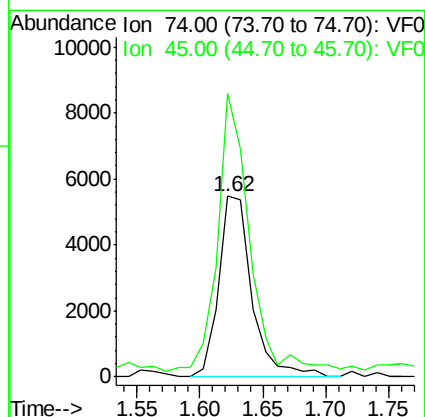
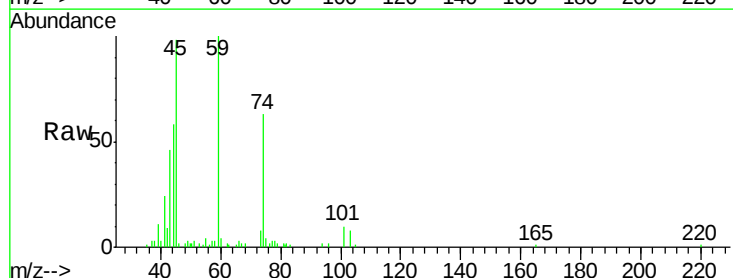
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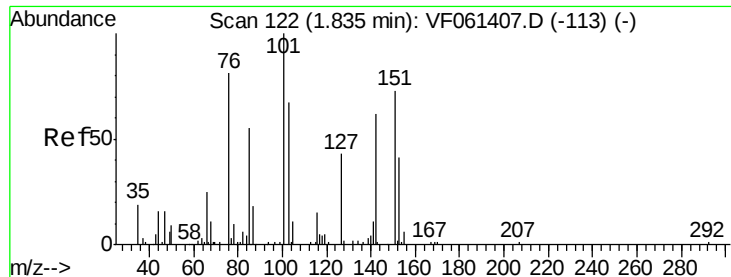


#8

Diethyl Ether
Concen: 16.909 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.5	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.464 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

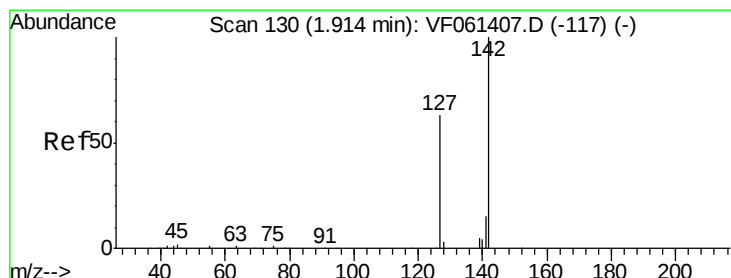
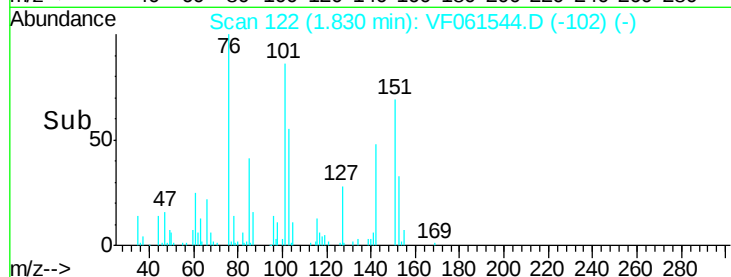
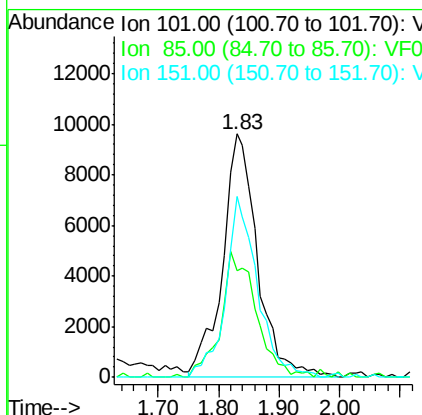
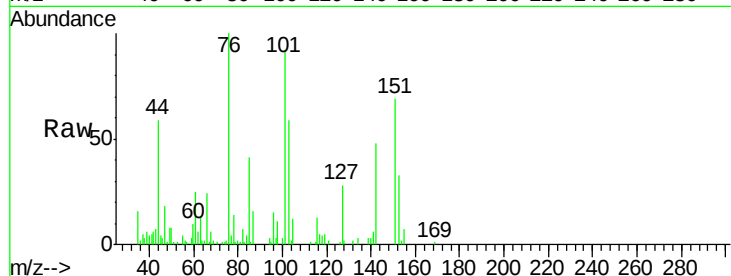
ClientSampleId :

VF0207SBS01

Tot Ion:	101	Resp:	38703
Ion Ratio	Lower	Upper	
101	100		
85	44.0	41.9	62.9
151	74.6	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 17.366 ug/l m

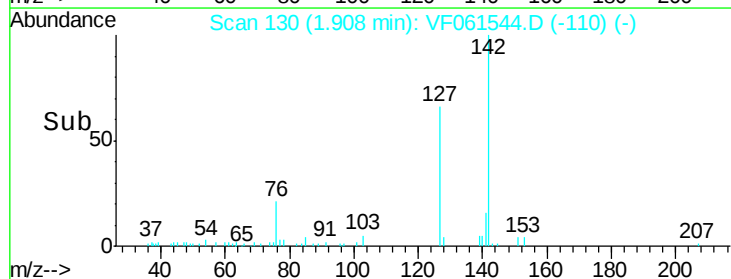
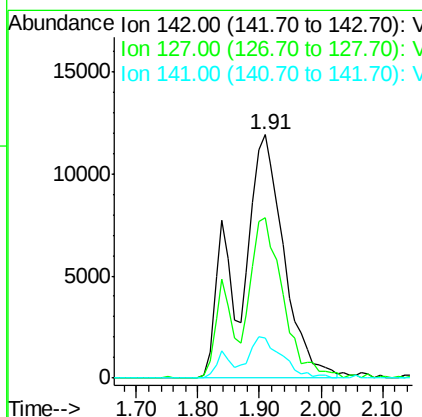
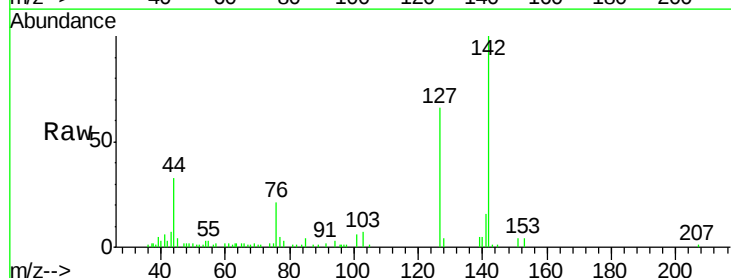
RT: 1.91 min Scan# 130

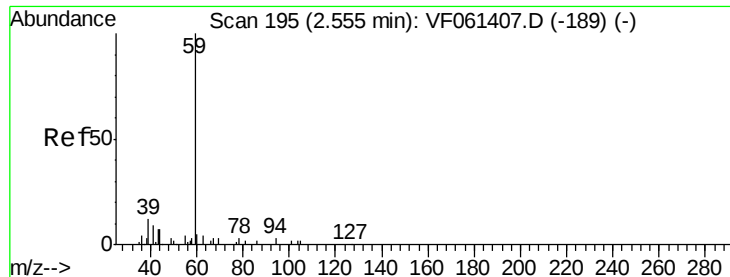
Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	142	Resp:	59664
Ion Ratio	Lower	Upper	
142	100		
127	65.7	50.7	76.1
141	16.3	11.8	17.6





#11

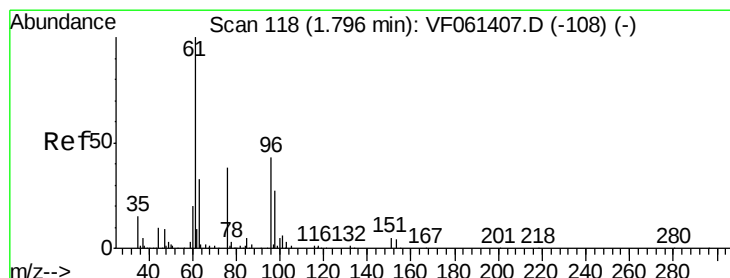
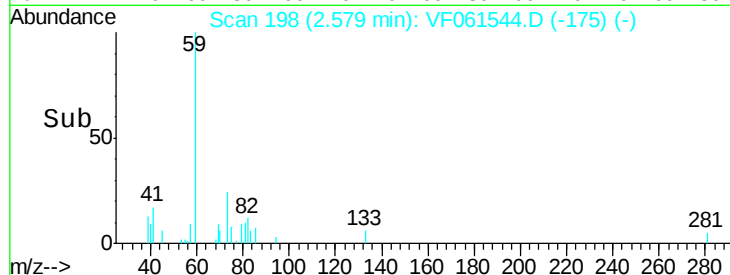
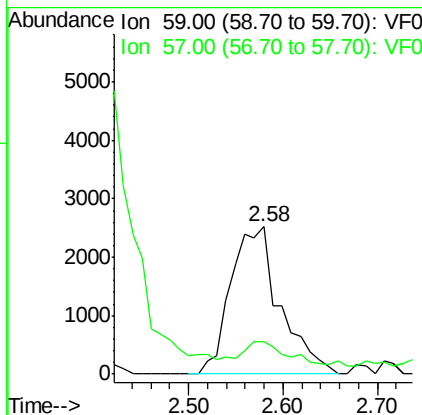
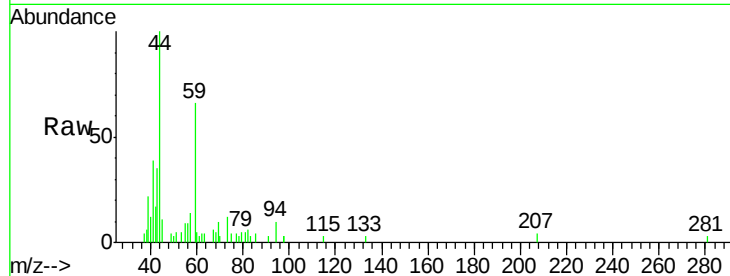
Tert butyl alcohol
Concen: 94.319 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampled :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	21.8	11.9	17.9#

Manual Integrations
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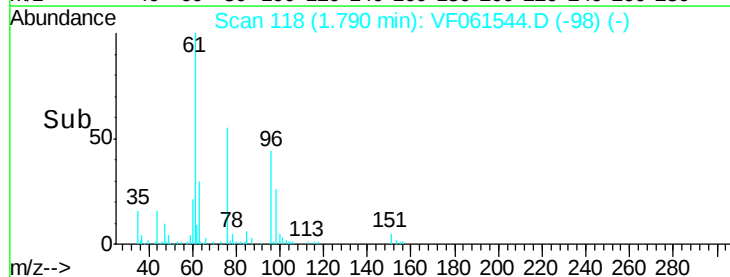
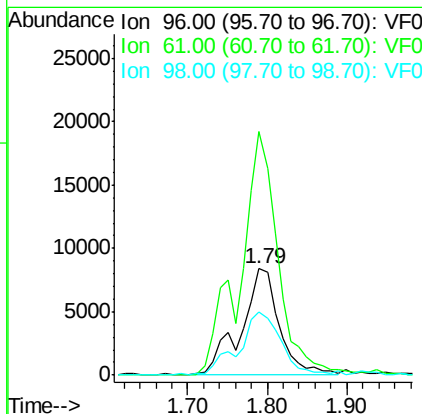
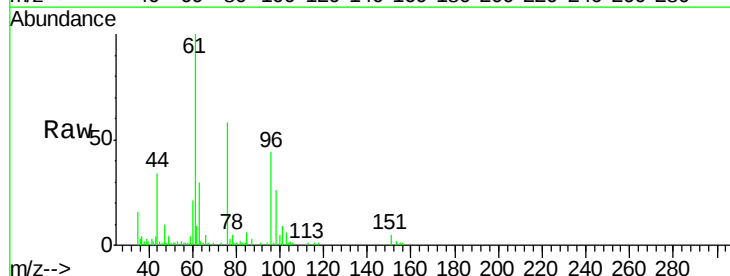
MMDadoda
2/11/2019 12:35:51 PM

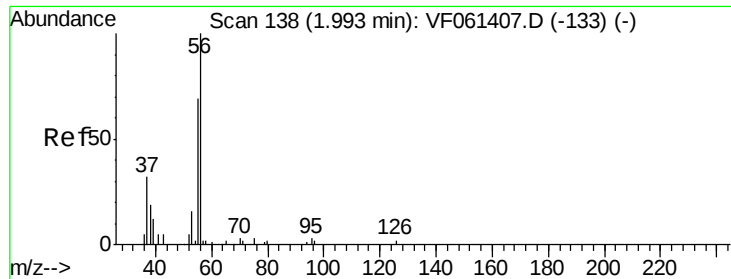


#12

1,1-Dichloroethene
Concen: 17.147 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	229.1	186.9	280.3
98	59.0	53.0	79.4





#13

Acrolein

Concen: 62.508 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 56 Resp: 4535

Ion Ratio Lower Upper

56 100

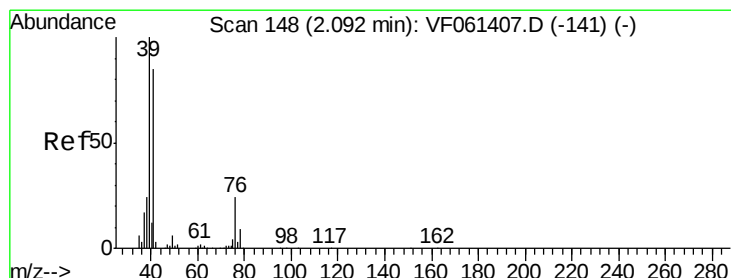
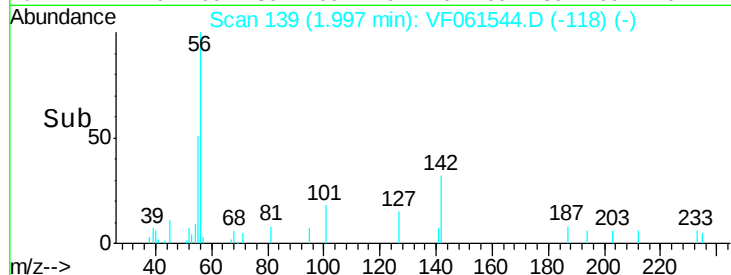
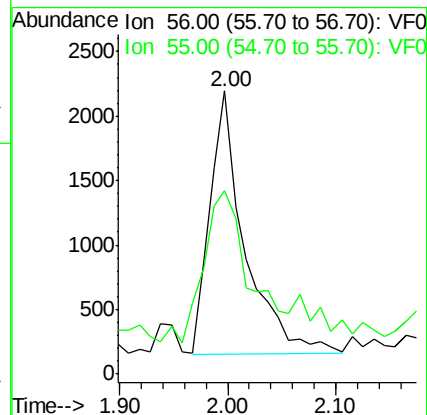
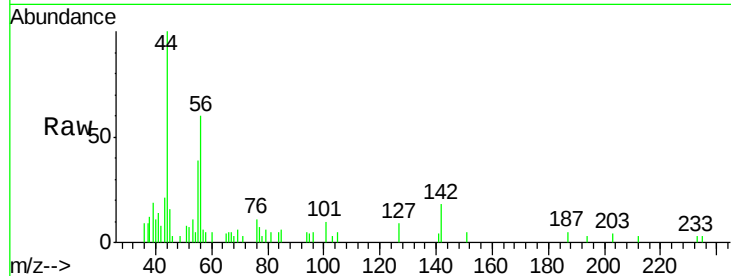
55 64.9 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 21.150 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

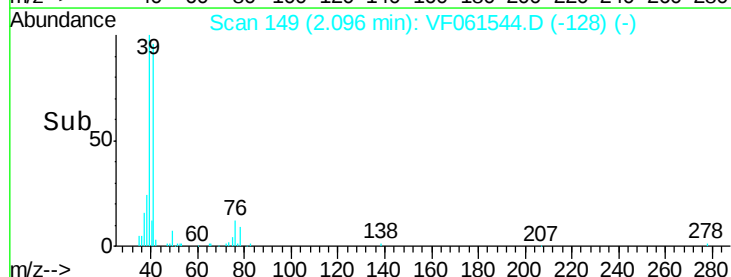
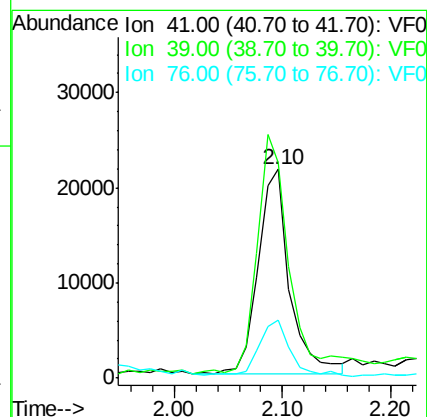
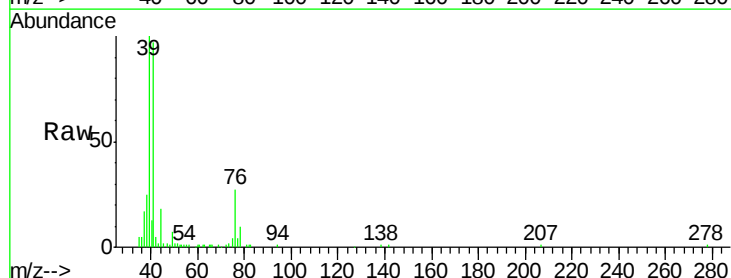
Tgt Ion: 41 Resp: 43843

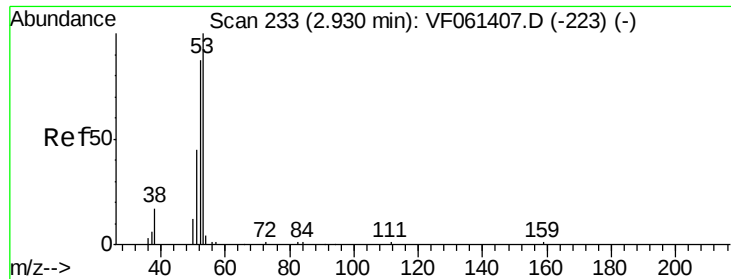
Ion Ratio Lower Upper

41 100

39 103.5 94.6 141.8

76 27.8 25.9 38.9





#15

Acrylonitrile

Concen: 87.290 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

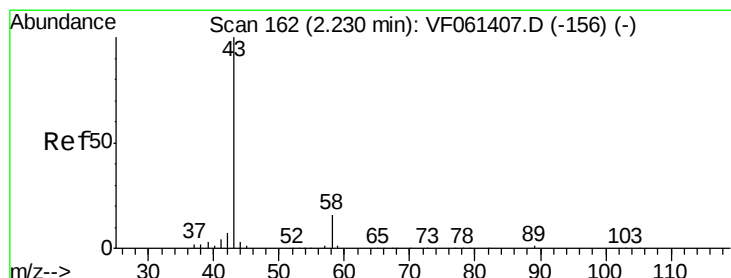
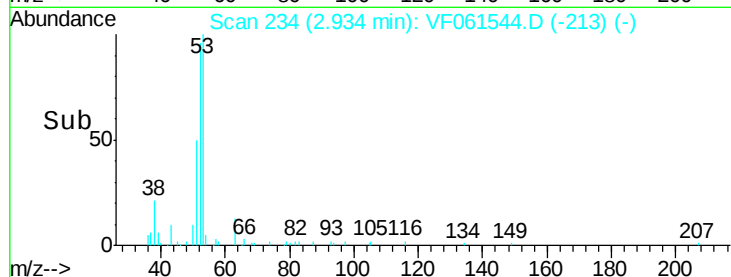
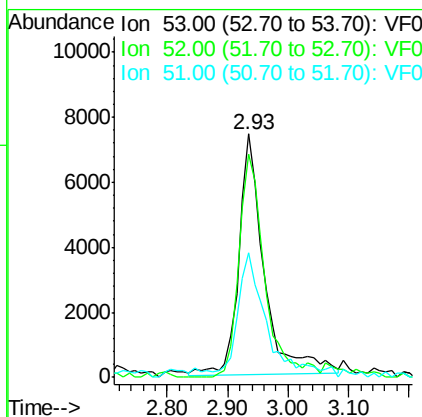
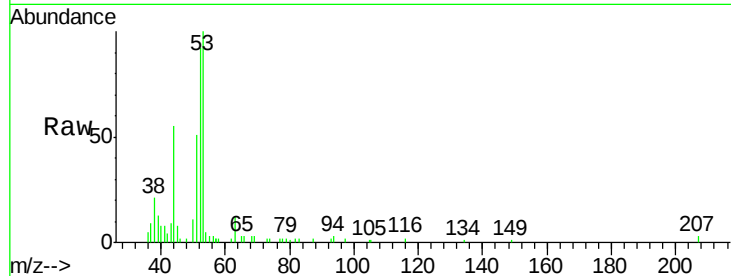
ClientSampleId :

VF0207SBS01

Tot Ion:	53	Resp:	21632
Ion	Ratio	Lower	Upper
53	100		
52	91.7	69.6	104.4
51	51.2	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 119.797 ug/l

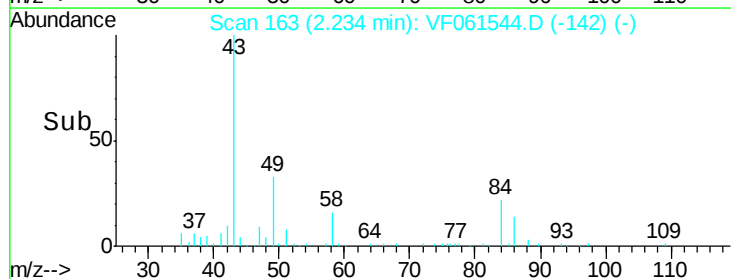
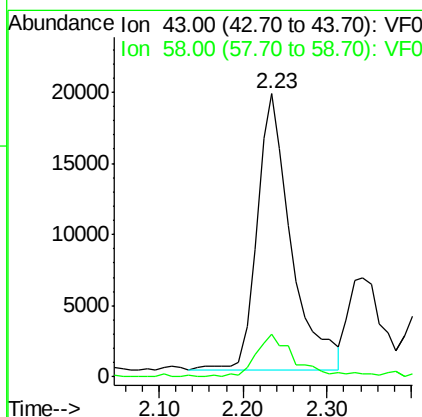
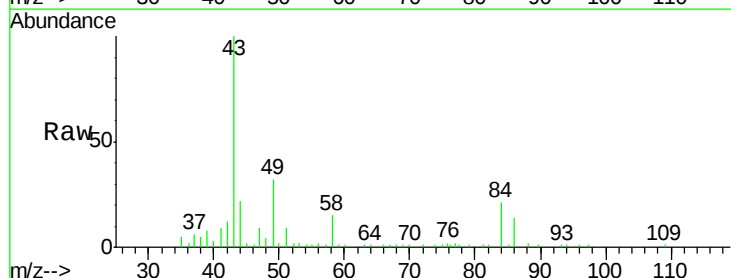
RT: 2.23 min Scan# 163

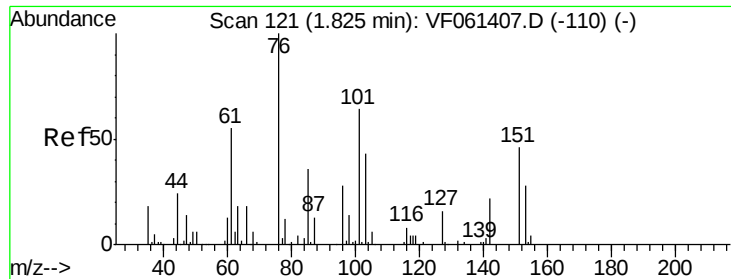
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	43	Resp:	54930
Ion	Ratio	Lower	Upper
43	100		
58	15.1	13.3	19.9





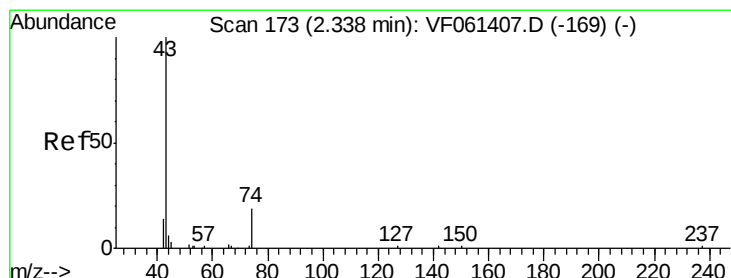
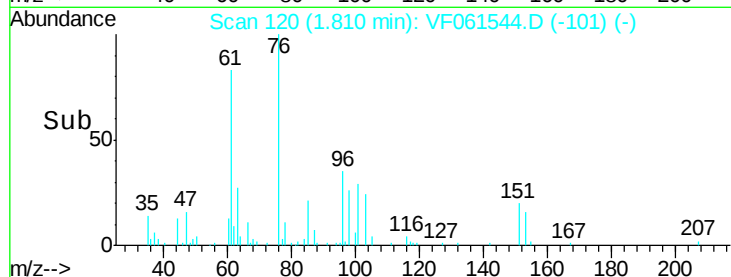
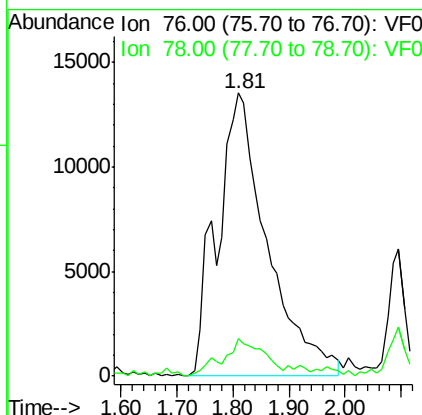
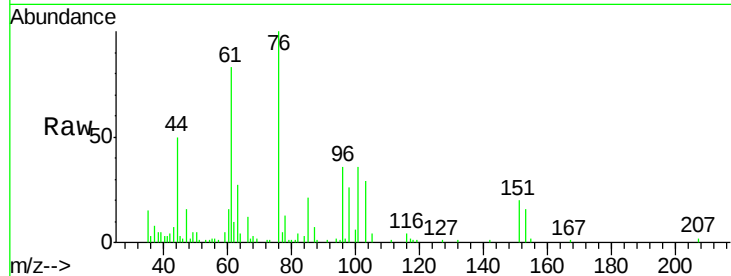
#17
Carbon Disulfide
Concen: 16.324 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	76	Resp	83804
Ion Ratio	100	Lower	Upper
76	100		
78	13.1	9.6	14.4

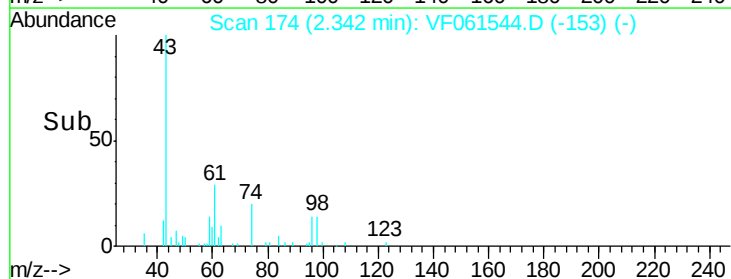
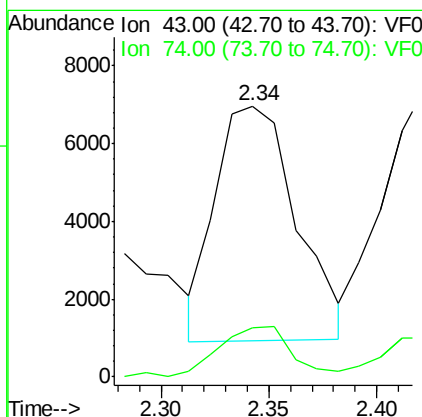
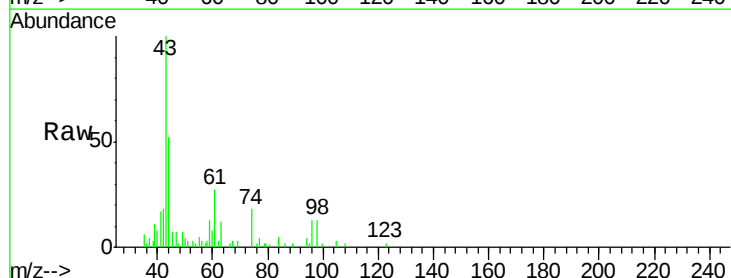
Manual Integrations
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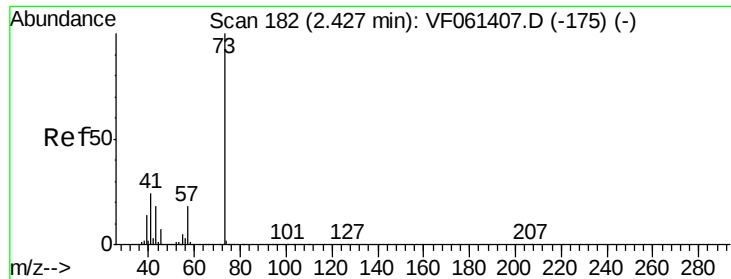
MMDadoda
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#18
Methyl Acetate
Concen: 17.205 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	43	Resp	15645
Ion Ratio	100	Lower	Upper
43	100		
74	18.4	13.4	20.0





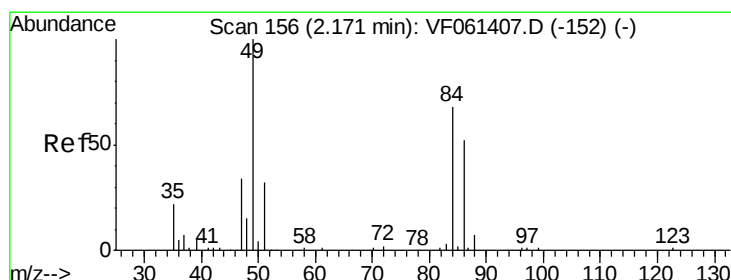
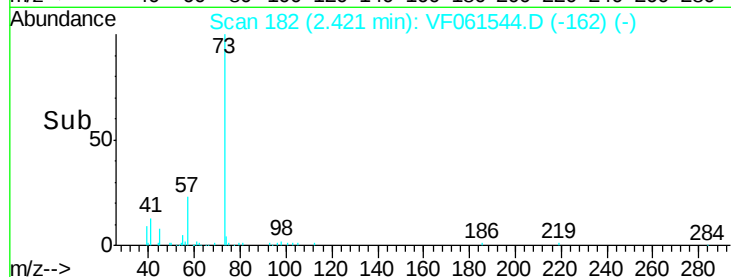
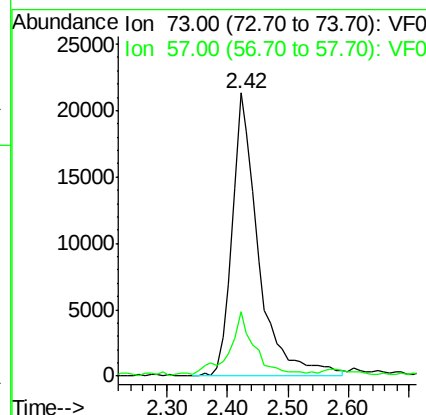
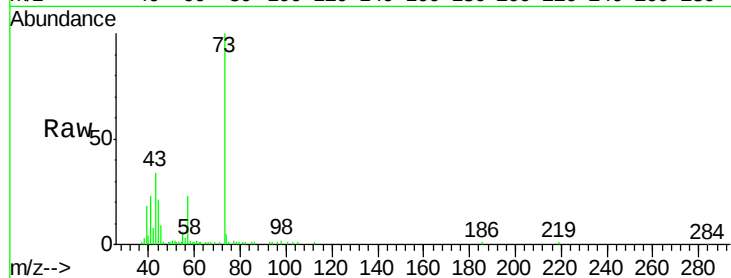
#19
Methvl tert-butvl Ether
Concen: 17.408 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	14.8	22.2#

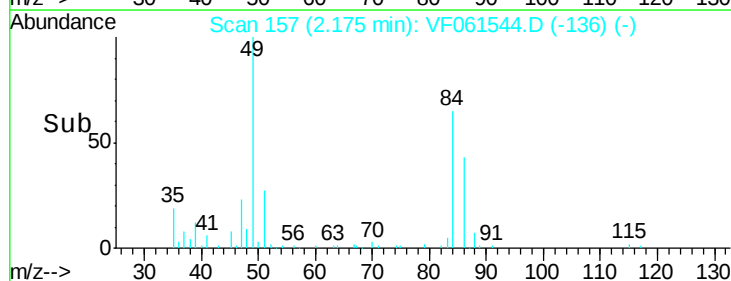
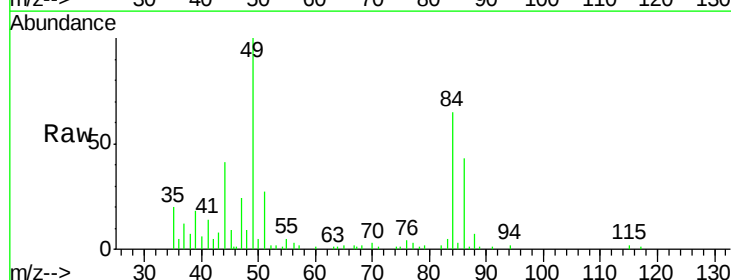
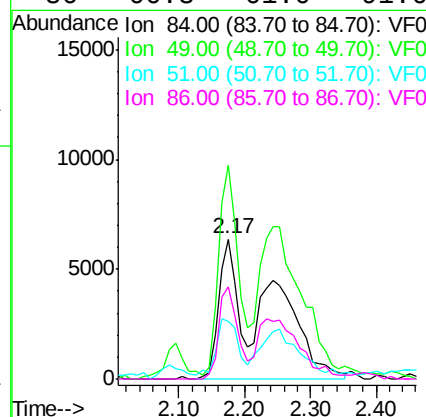
Manual Integrations
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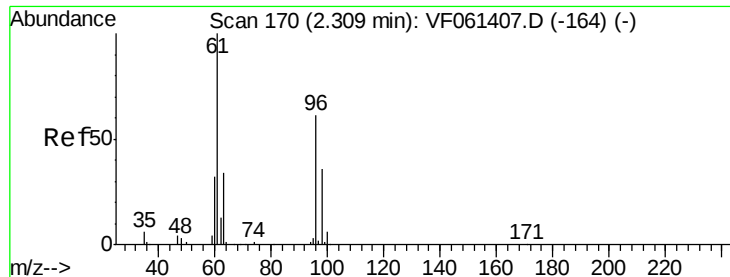
MMDadoda
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#20
Methylene Chloride
Concen: 19.560 ug/l m
RT: 2.17 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.9	120.0	180.0
51	41.6	38.6	58.0
86	66.3	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 16.522 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

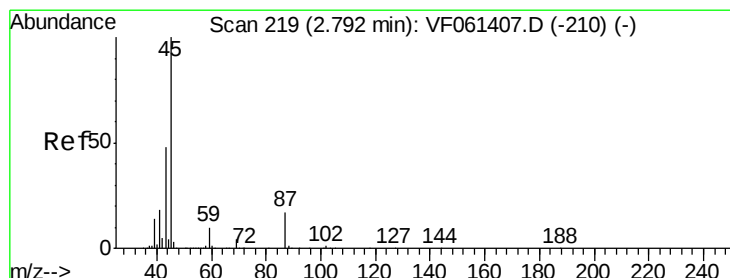
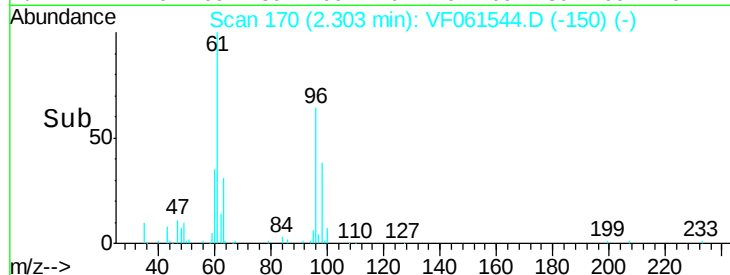
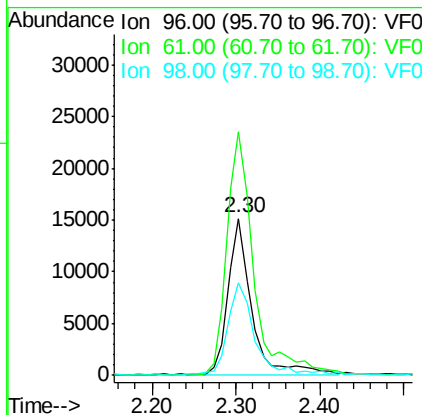
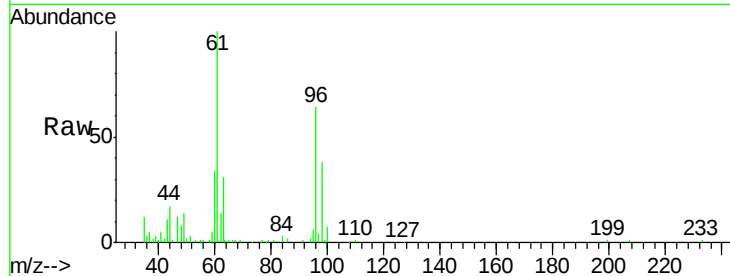
ClientSampleId :

VF0207SBS01

Tot Ion:	96	Resp:	29930
Ion	Ratio	Lower	Upper
96	100		
61	155.1	131.8	197.8
98	59.0	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.232 ug/l

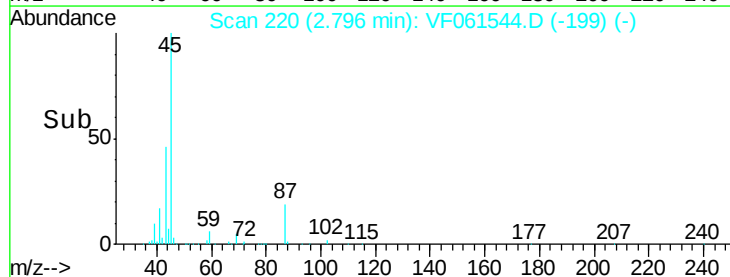
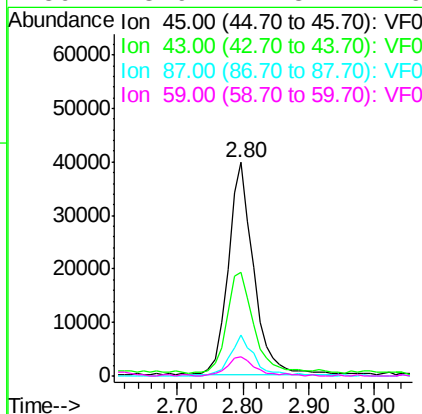
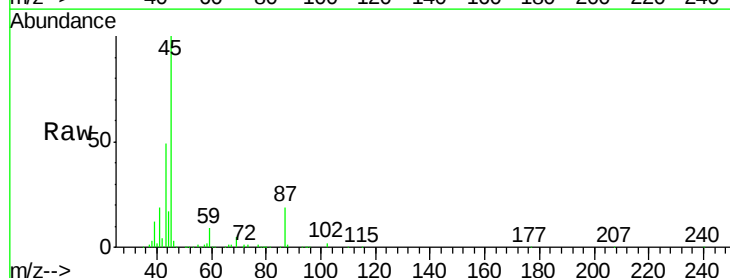
RT: 2.80 min Scan# 220

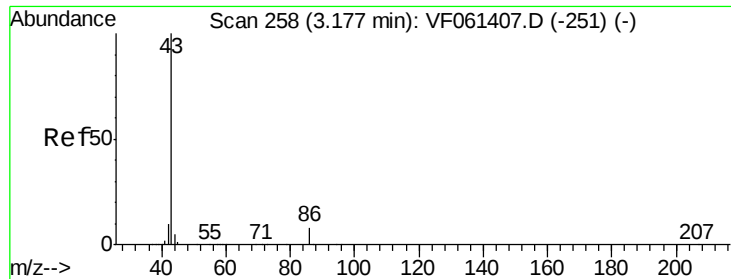
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	45	Resp:	106831
Ion	Ratio	Lower	Upper
45	100		
43	48.5	39.0	58.6
87	18.9	13.9	20.9
59	8.9	7.8	11.6





#23

Vinyl Acetate

Concen: 95.258 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 43 Resp: 240341

Ion Ratio Lower Upper

43 100

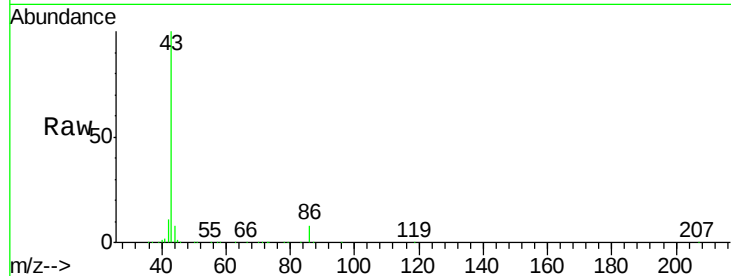
86 8.2 6.2 9.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

100000

80000

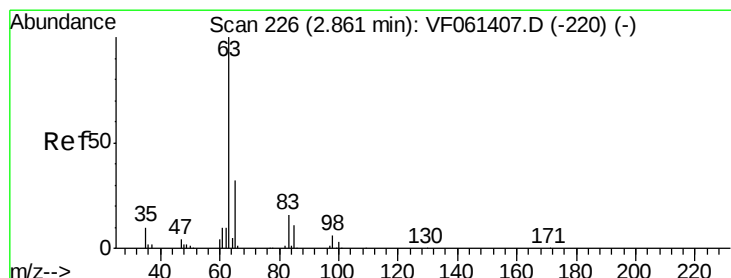
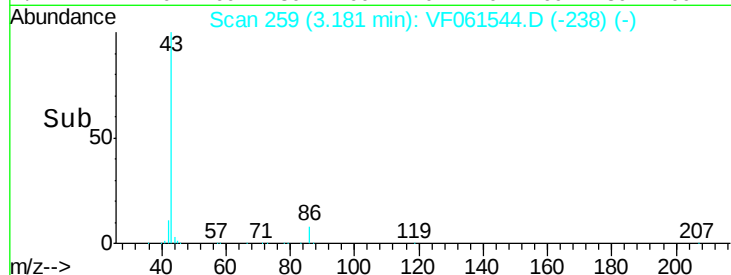
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.648 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

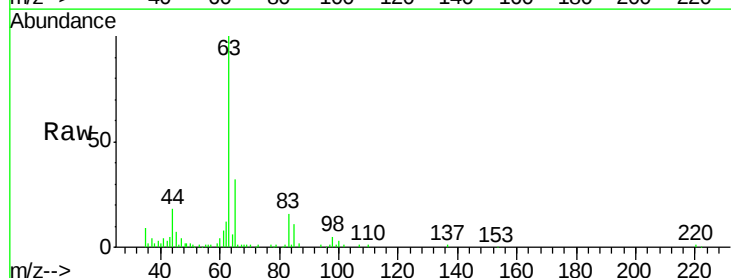
Tgt Ion: 63 Resp: 61223

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

100 2.6 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

30000

25000

20000

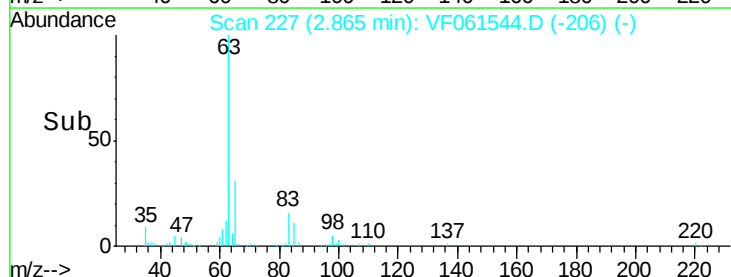
15000

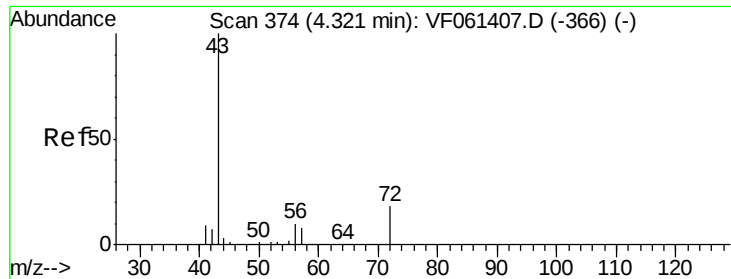
10000

5000

0

Time-->





#25

2-Butanone

Concen: 100.398 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 43 Resp: 76554

Ion Ratio Lower Upper

43 100

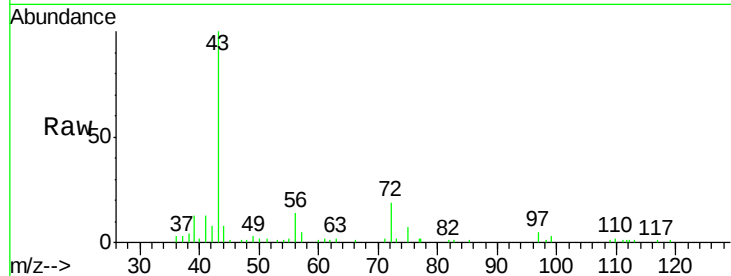
72 19.2 15.8 23.6

Manual Integrations

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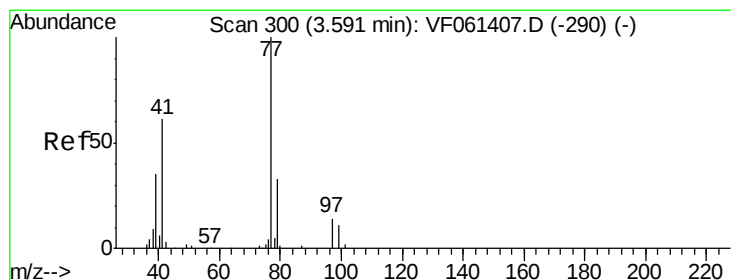
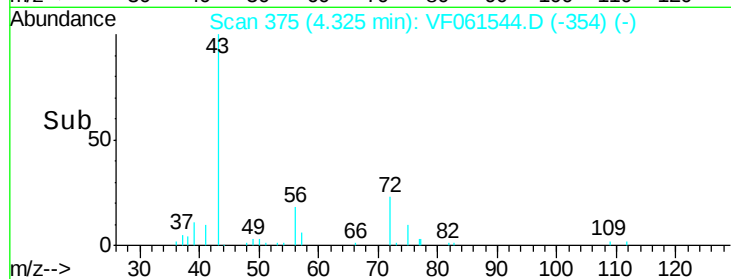
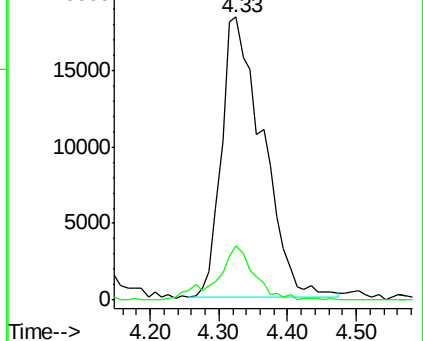
MMDadoda

2/11/2019 12:35:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 18.640 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061544.D

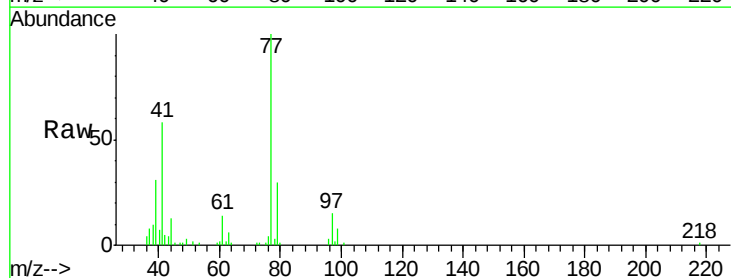
Acq: 7 Feb 2019 14:49

Tgt Ion: 77 Resp: 42116

Ion Ratio Lower Upper

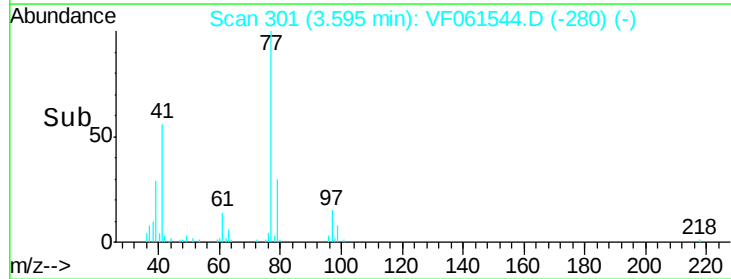
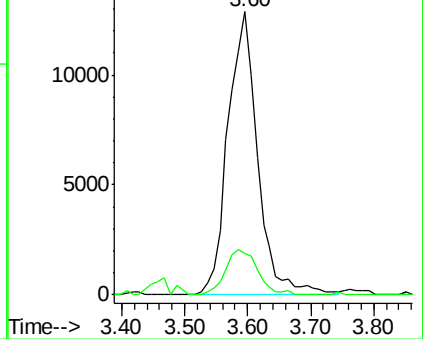
77 100

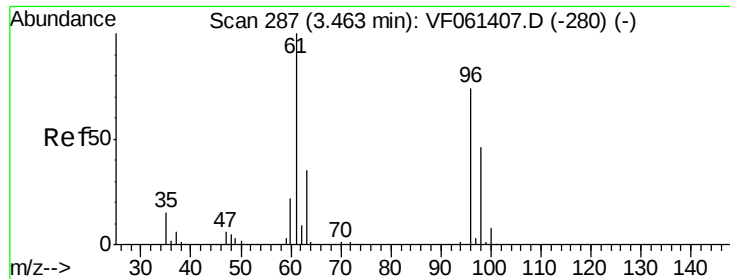
97 14.7 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

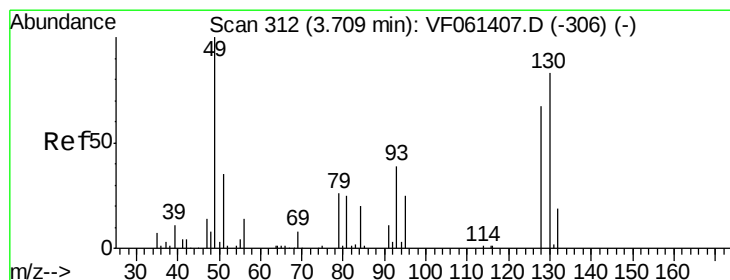
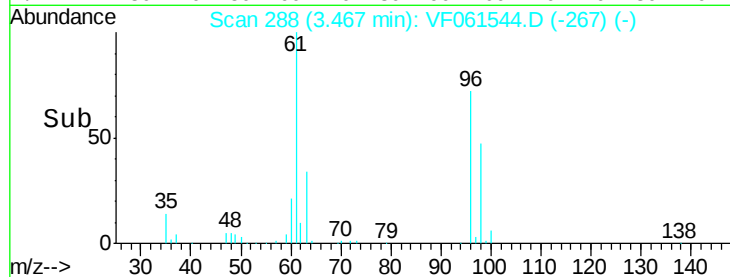
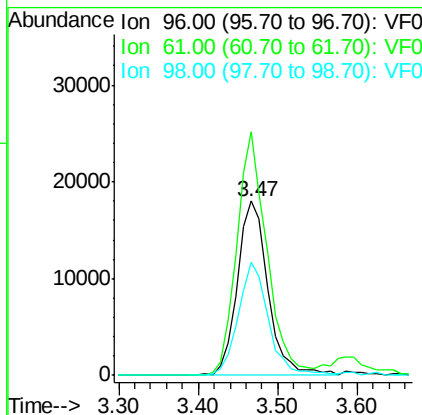
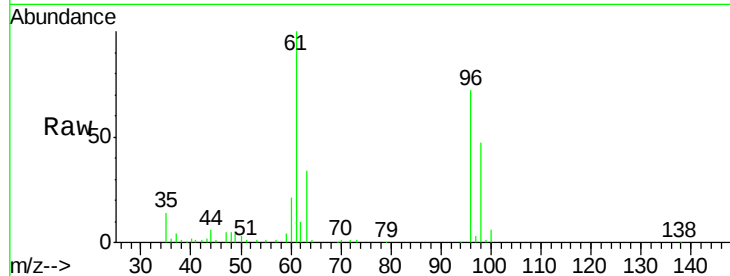
cis-1,2-Dichloroethene
Concen: 17.855 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	270.2
98	65.1	0.0	124.0

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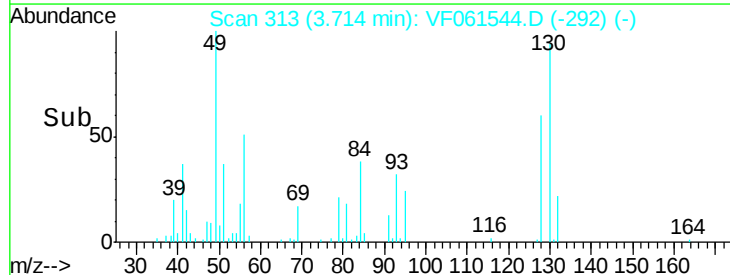
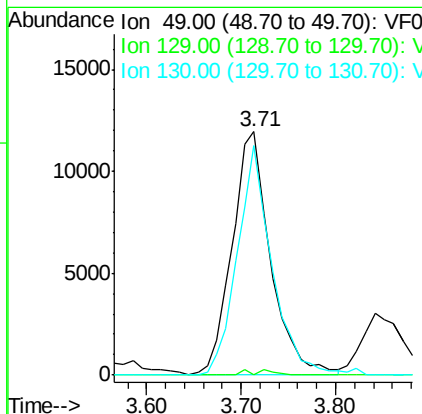
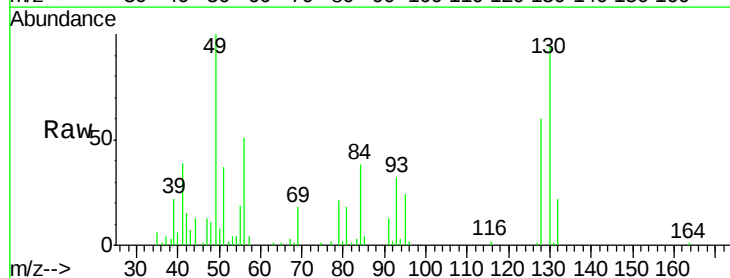
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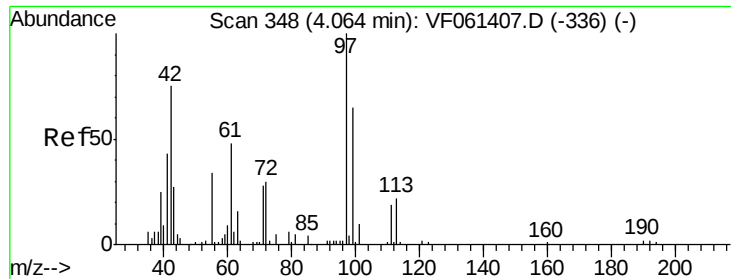


#28

Bromochloromethane
Concen: 20.422 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	94.2	65.4	98.2





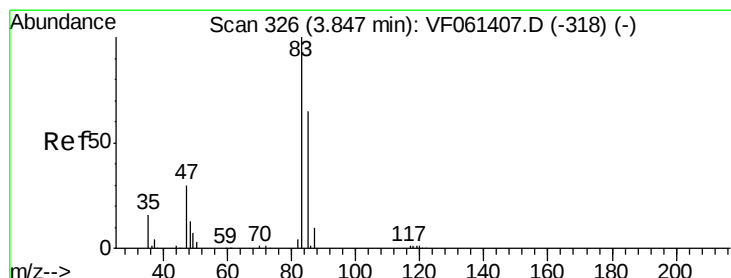
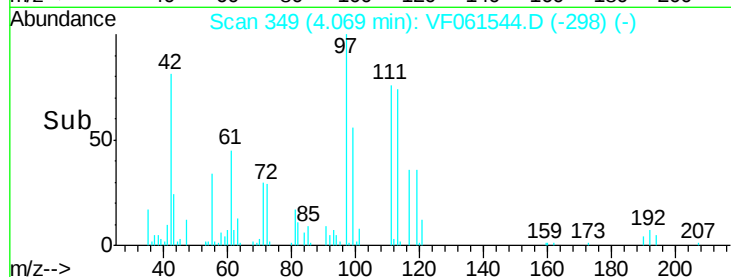
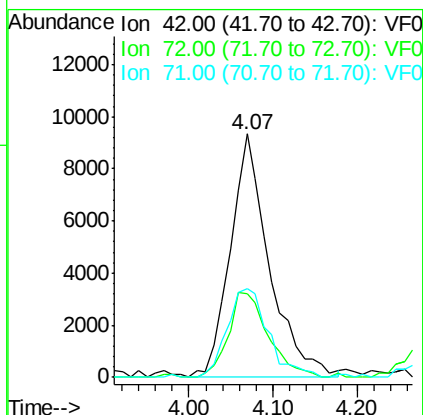
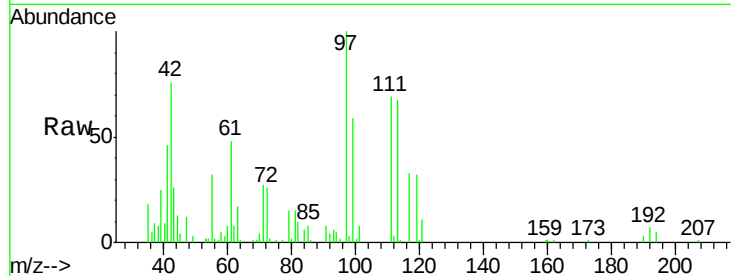
#29
Tetrahydrofuran
Concen: 91.917 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.9	43.3
71	38.4	29.6	44.4

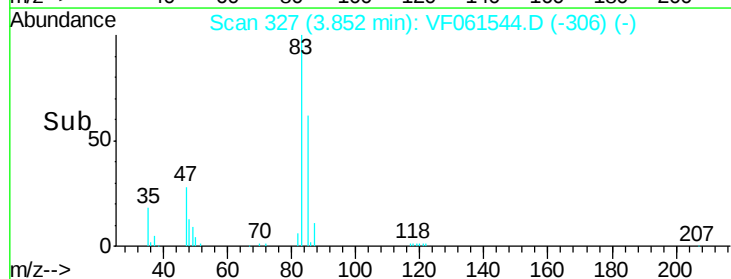
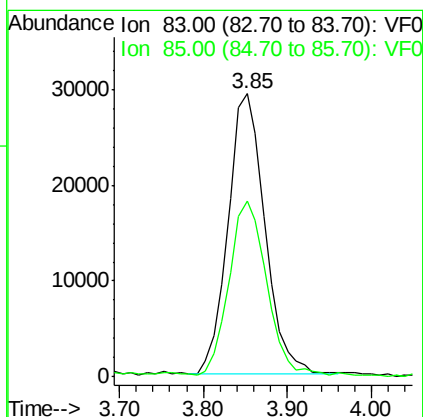
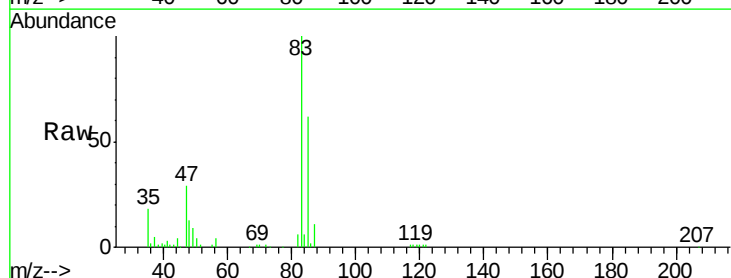
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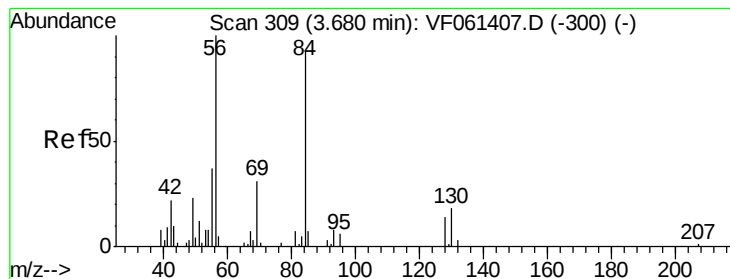
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#30
Chloroform
Concen: 17.989 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.7	79.1





#31

Cyclohexane

Concen: 18.488 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

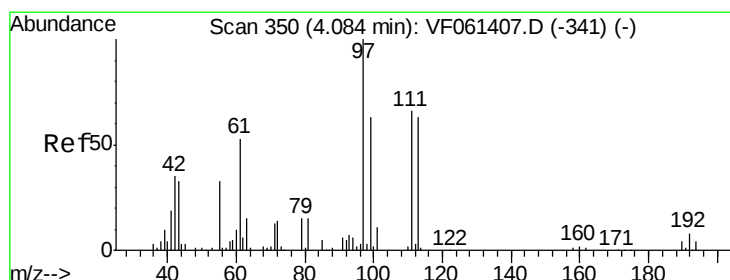
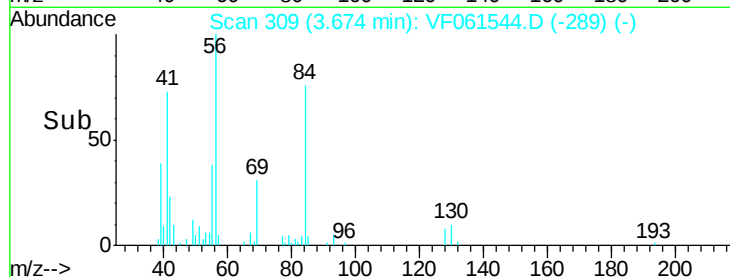
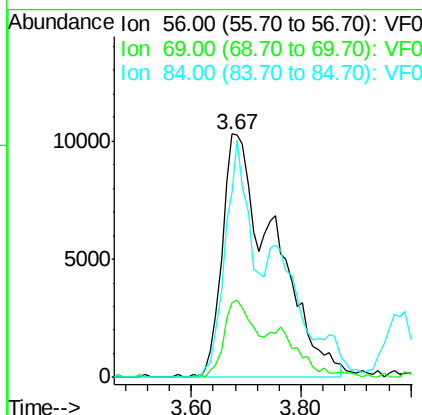
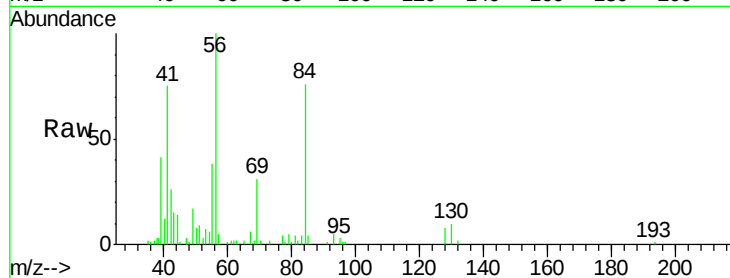
ClientSampleId :

VF0207SBS01

Tot Ion:	56	Resp:	67914
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	36.8
84	75.9	74.2	111.2

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#32

1,1,1-Trichloroethane

Concen: 16.066 ug/l

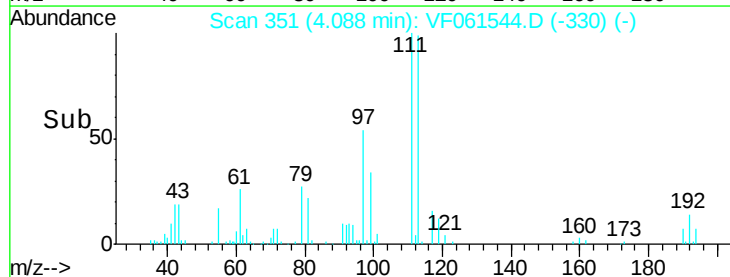
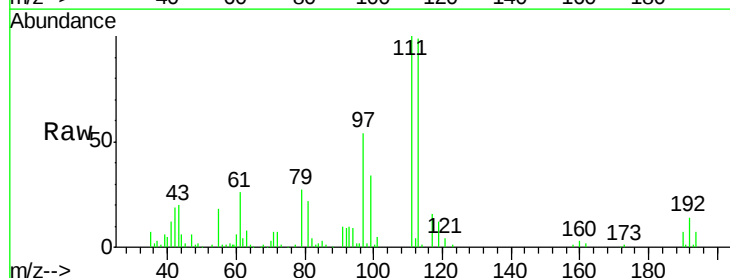
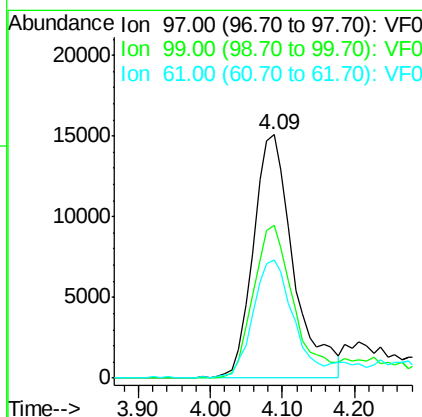
RT: 4.09 min Scan# 351

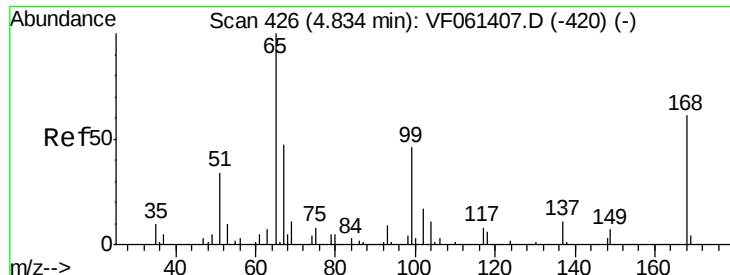
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	97	Resp:	58467
Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.1	75.1
61	48.4	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 49.003 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tot Ion: 65 Resp: 112003

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

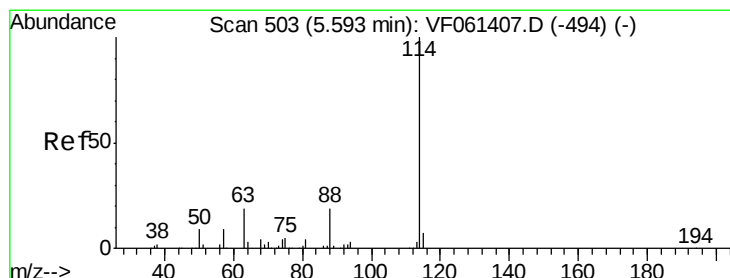
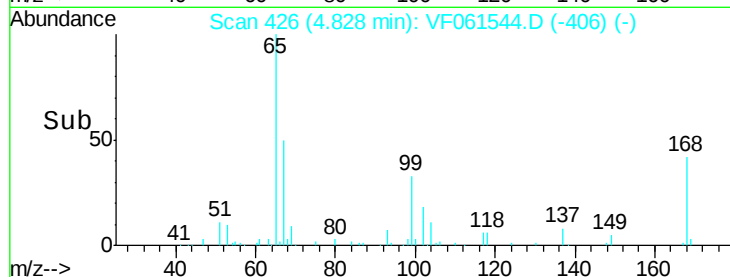
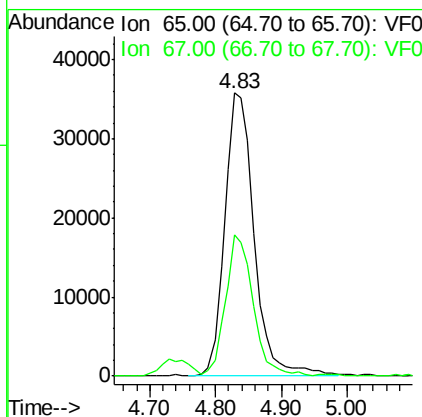
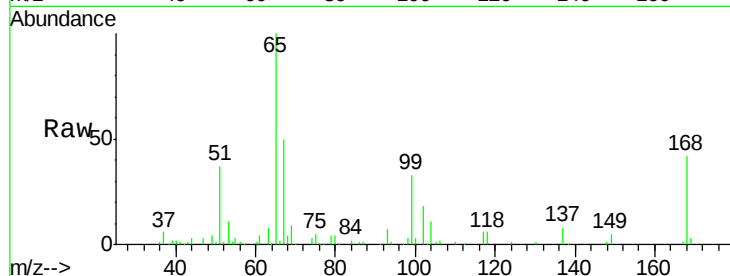
VF0207SBS01

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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: VF061544.D

Acq: 7 Feb 2019 14:49

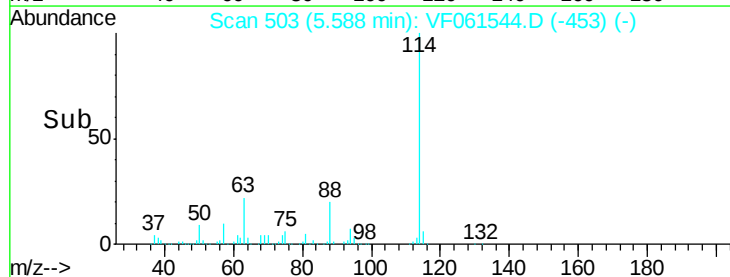
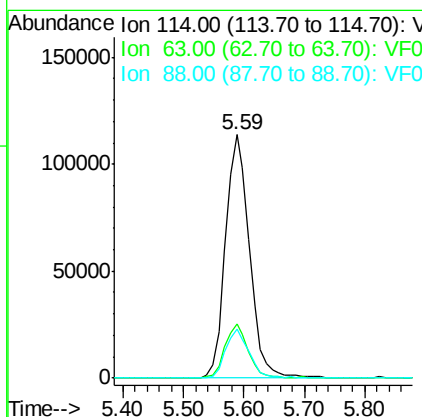
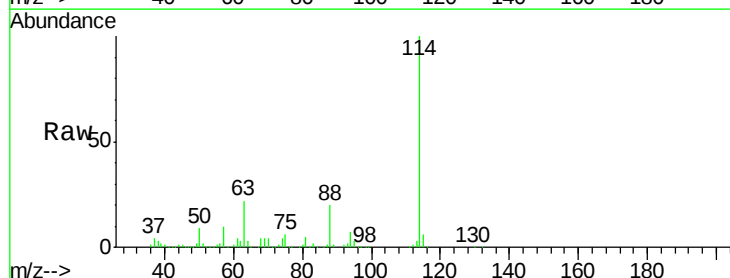
Tgt Ion: 114 Resp: 313657

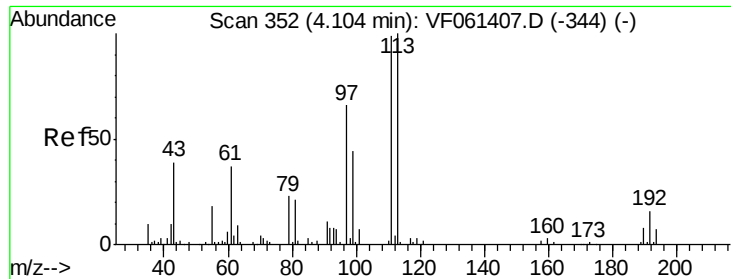
Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

88 20.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 47.854 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

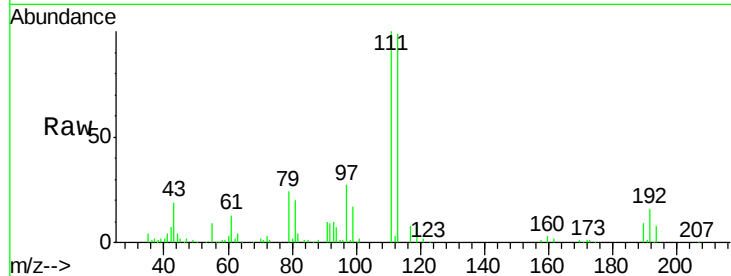
ClientSampleId :

VF0207SBS01

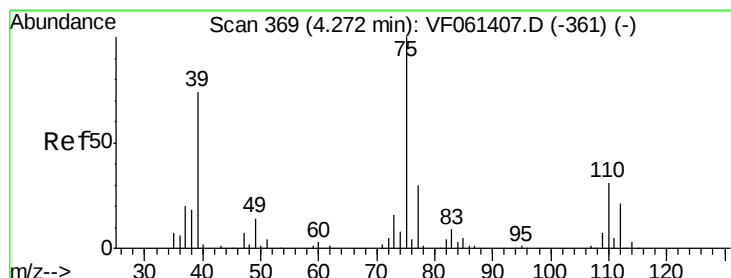
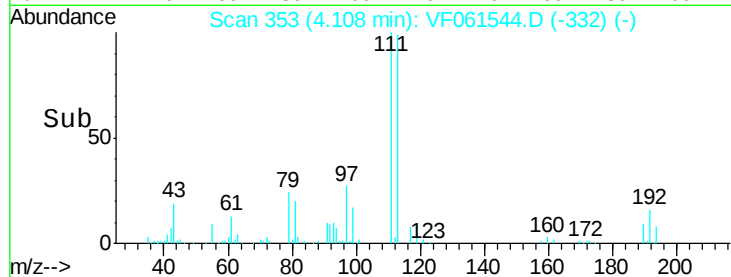
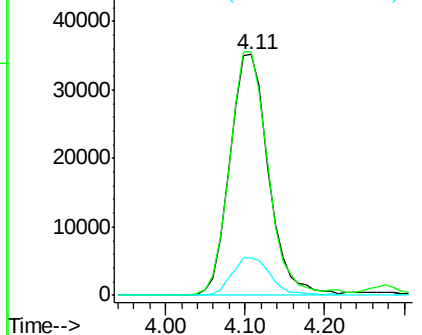
Tot Ion:	113	Resp:	118439
Ion Ratio	Lower	Upper	
113	100		
111	101.0	79.4	119.0
192	15.8	12.4	18.6

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 17.680 ug/l

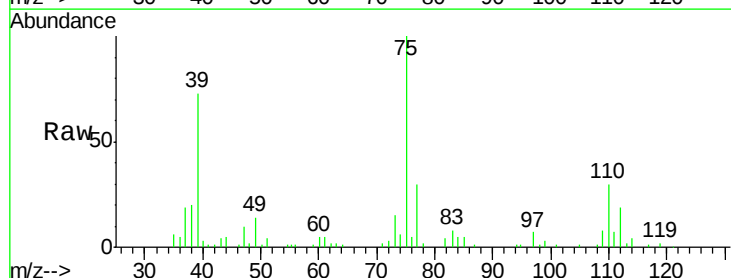
RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

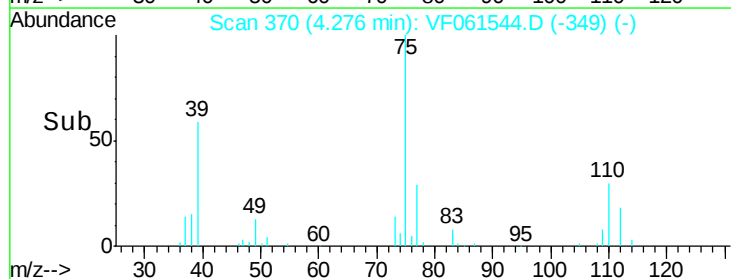
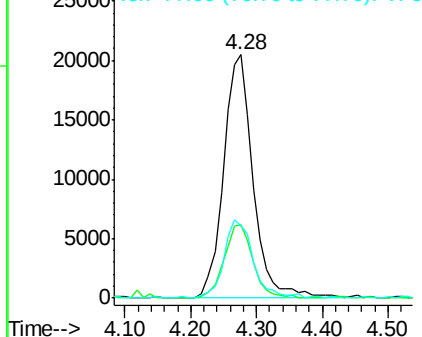
Lab File: VF061544.D

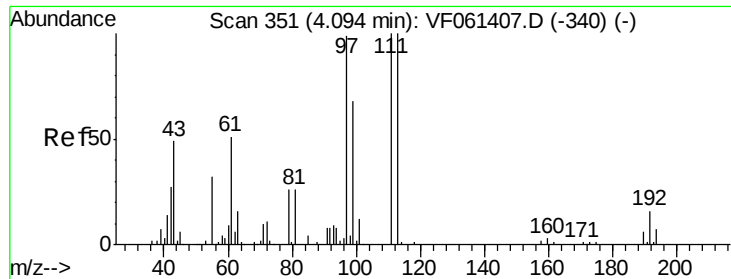
Acq: 7 Feb 2019 14:49

Tgt Ion:	75	Resp:	64295
Ion Ratio	Lower	Upper	
75	100		
110	30.1	15.8	47.3
77	29.8	24.0	36.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 18.521 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

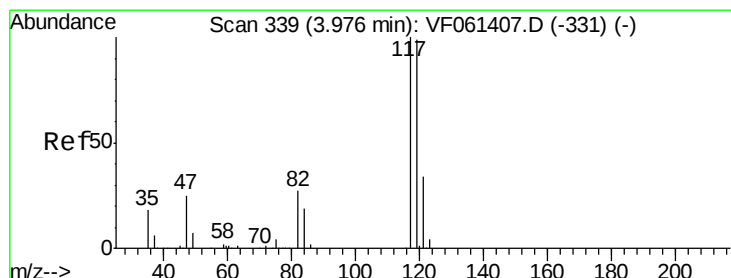
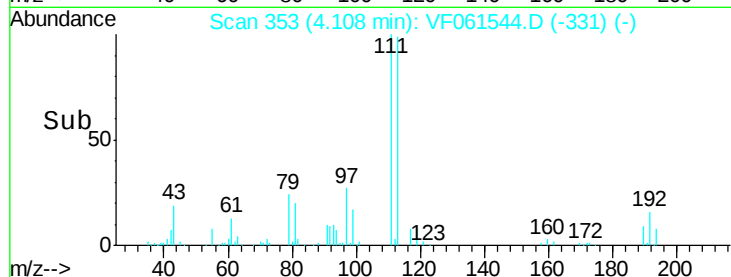
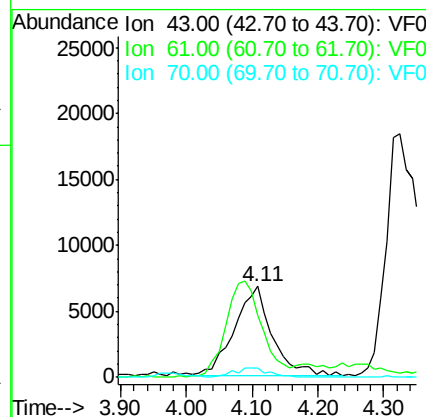
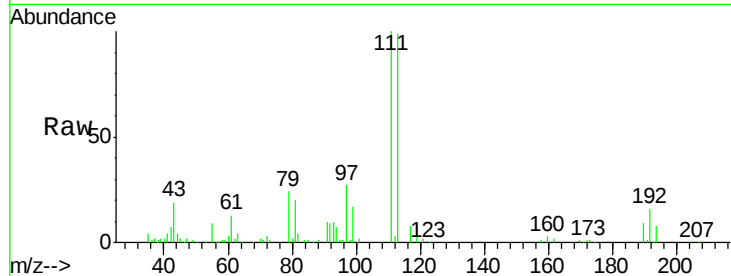
ClientSampleID :

VF0207SBS01

Tot Ion:	43	Resp:	26924
Ion	Ratio	Lower	Upper
43	100		
61	67.5	81.7	122.5#
70	10.2	6.2	9.2#

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#38

Carbon Tetrachloride

Concen: 17.632 ug/l

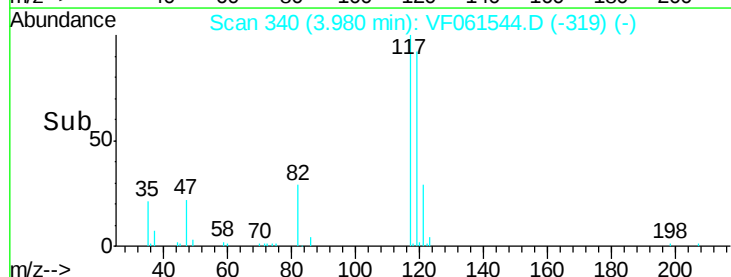
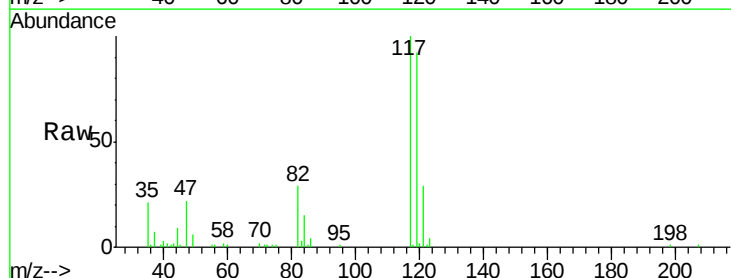
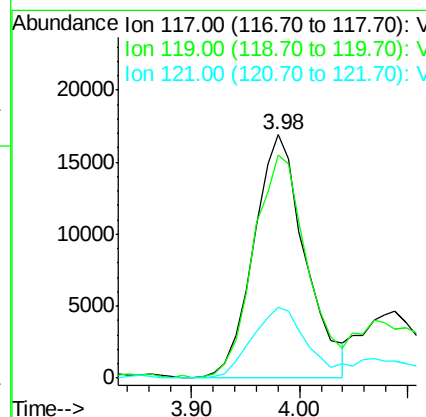
RT: 3.98 min Scan# 340

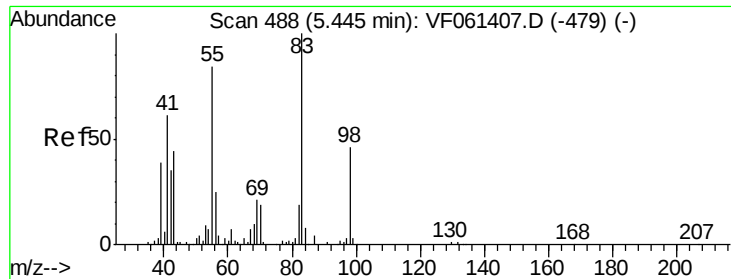
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	117	Resp:	56058
Ion	Ratio	Lower	Upper
117	100		
119	91.6	79.0	118.6
121	29.1	27.0	40.6





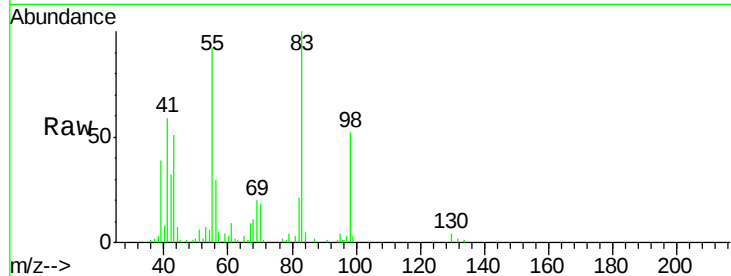
#39
Methvlcvclohexane
Concen: 16.636 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

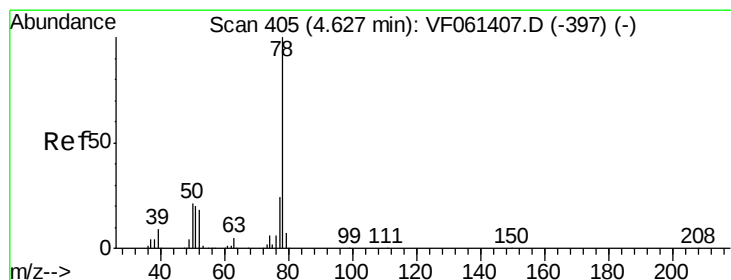
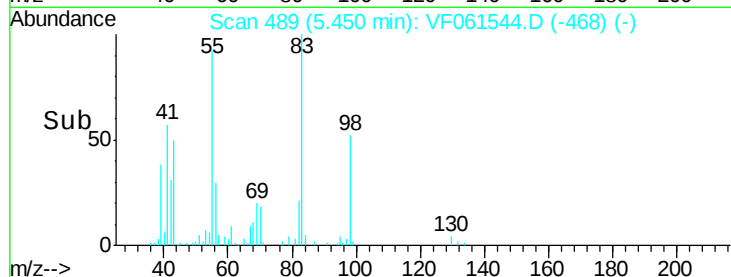
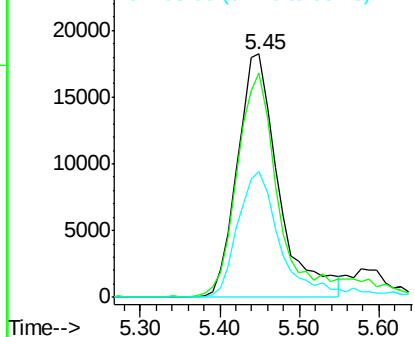
Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	67.4	101.2
98	51.9	36.7	55.1

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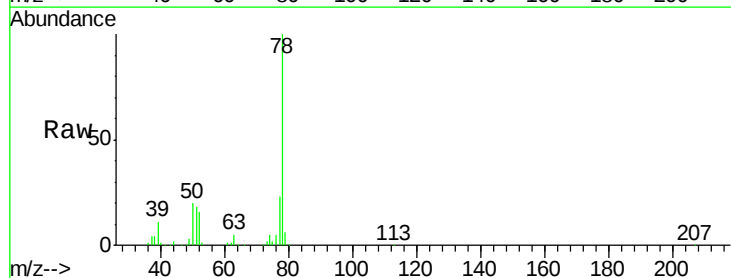


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

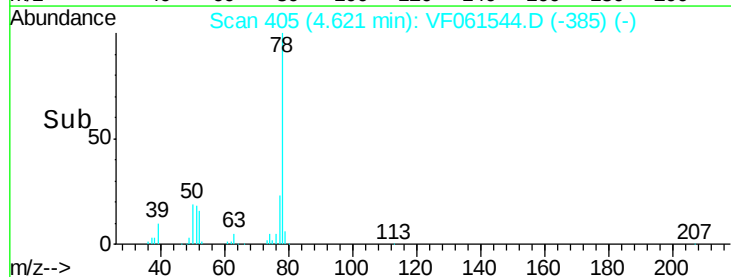
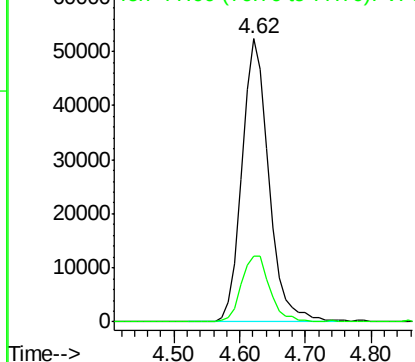


#40
Benzene
Concen: 18.600 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





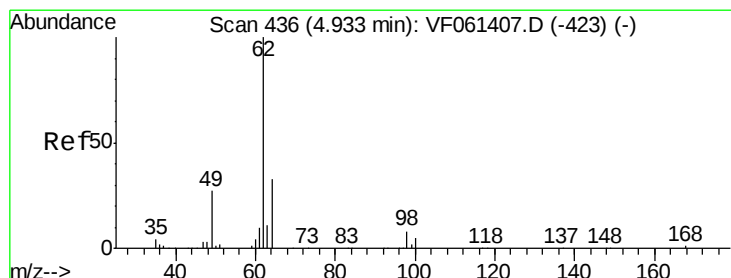
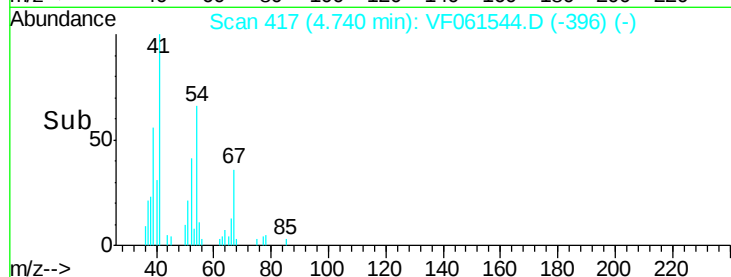
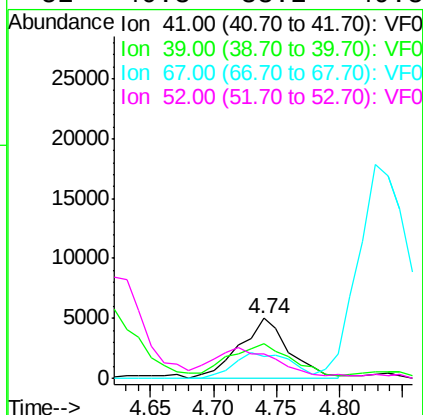
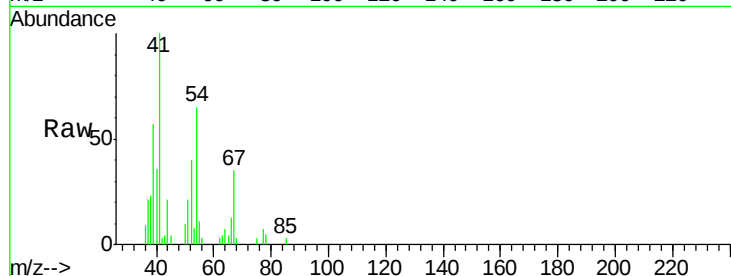
#41
Methacrylonitrile
Concen: 17.559 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	43.1	64.7
67	35.5	38.8	58.2
52	40.3	33.2	49.8

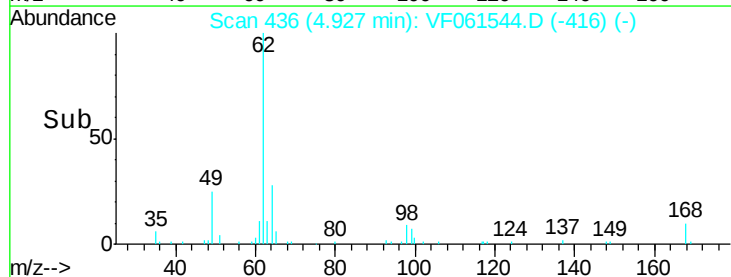
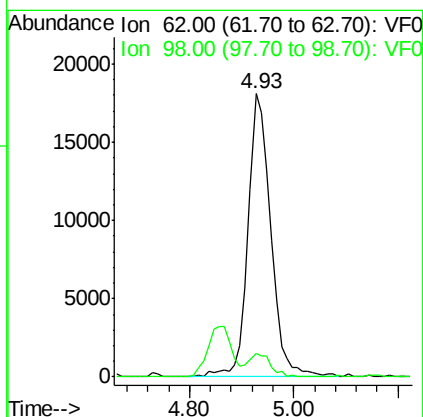
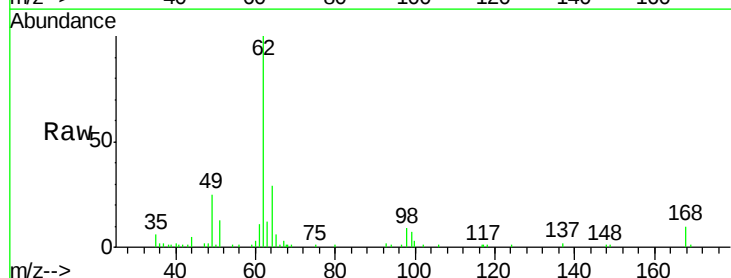
Manual Integrations
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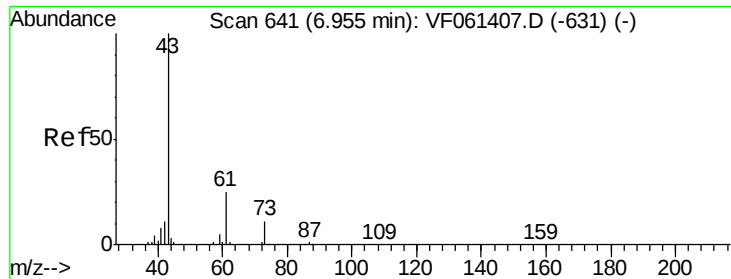
MMDadoda
2/11/2019 12:35:51 PM



#42
1,2-Dichloroethane
Concen: 18.542 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 16.945 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

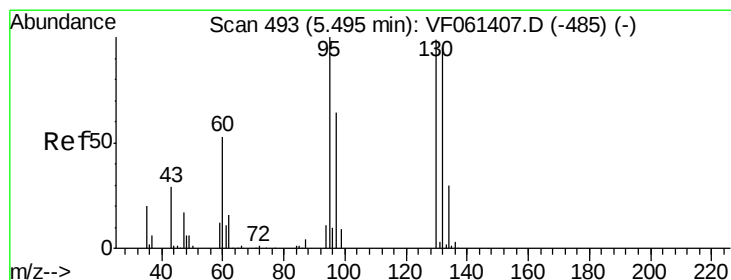
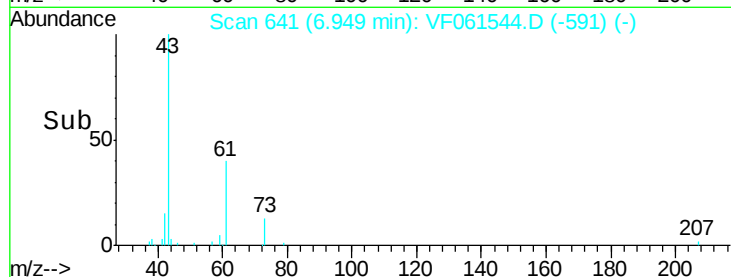
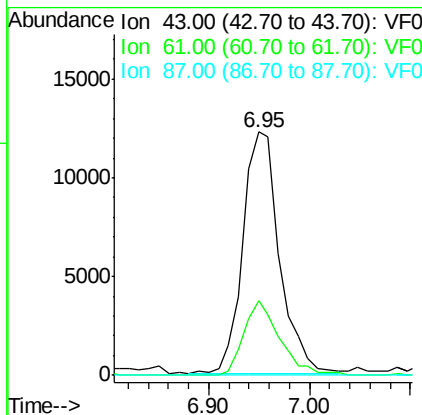
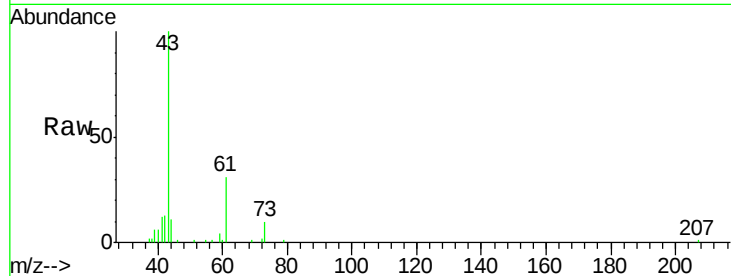
ClientSampleId :

VF0207SBS01

Tot Ion:	43	Resp:	30917
Ion Ratio	Lower	Upper	
43	100		
61	30.7	20.3	30.5#
87	0.0	0.5	0.7#

Manual Integrations
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#44

Trichloroethene

Concen: 18.538 ug/l

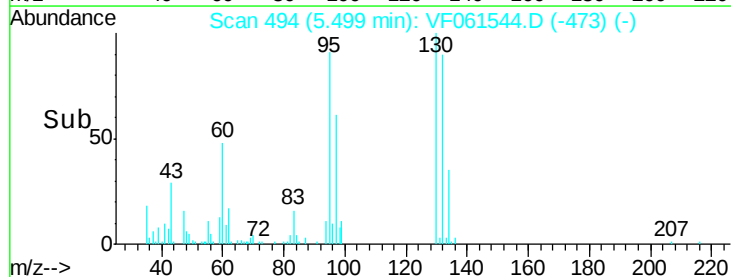
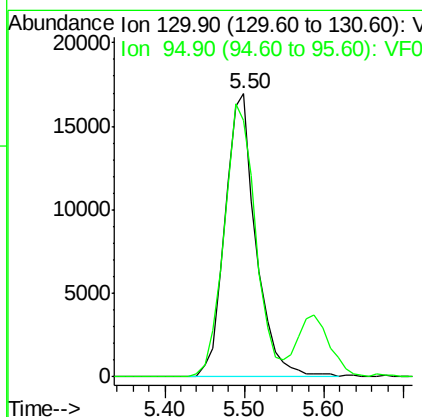
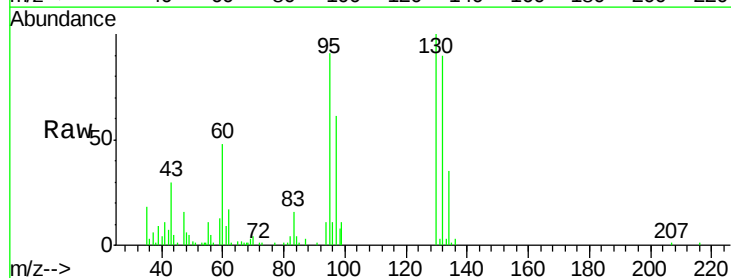
RT: 5.50 min Scan# 494

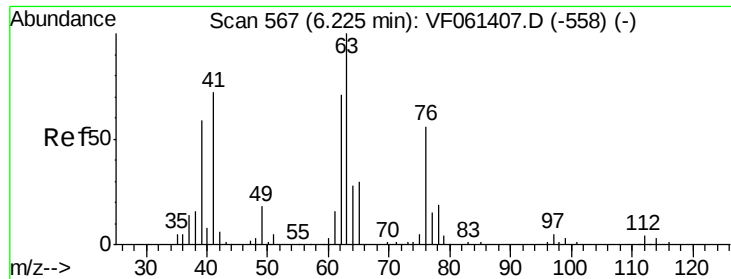
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	130	Resp:	46020
Ion Ratio	Lower	Upper	
130	100		
95	90.6	0.0	202.8





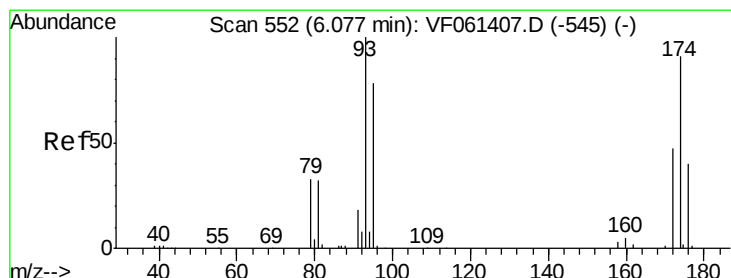
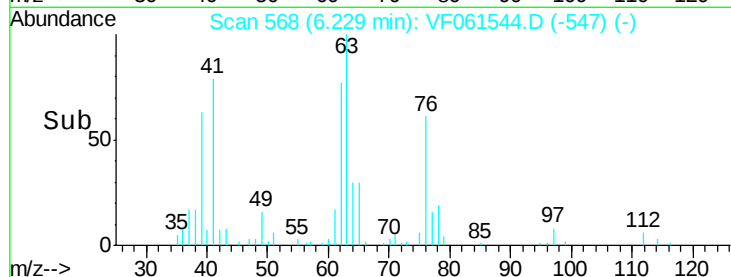
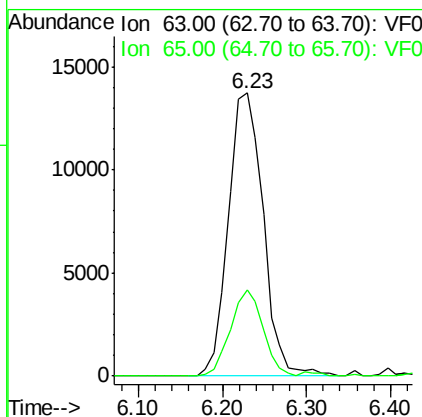
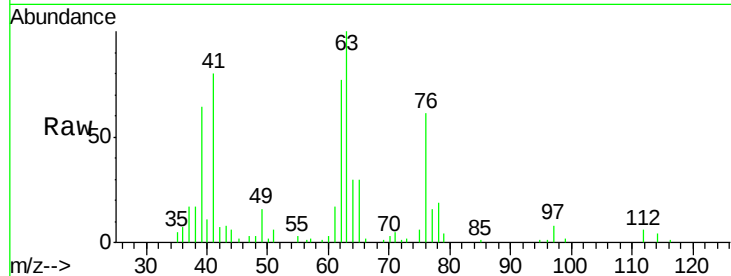
#45
 1,2-Dichloropropane
 Concen: 18.641 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Tot Ion: 63 Resp: 39590
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6

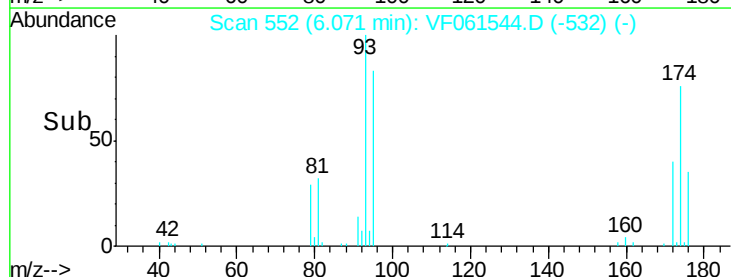
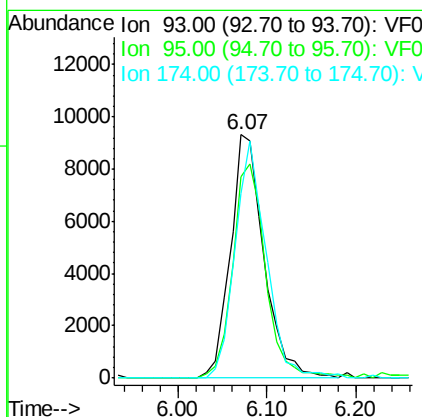
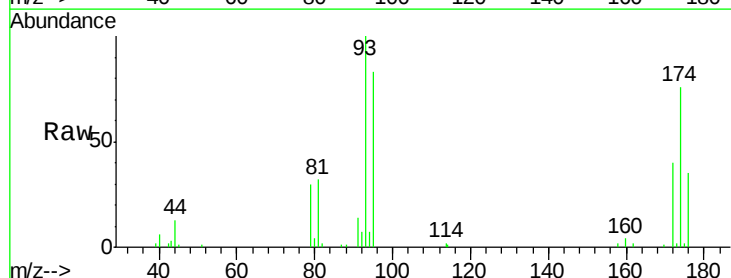
Manual Integrations
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#46
 Dibromomethane
 Concen: 17.409 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion: 93 Resp: 24586
 Ion Ratio Lower Upper
 93 100
 95 82.8 62.1 93.1
 174 76.1 74.6 111.8





#47

Bromodichloromethane

Concen: 17.979 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

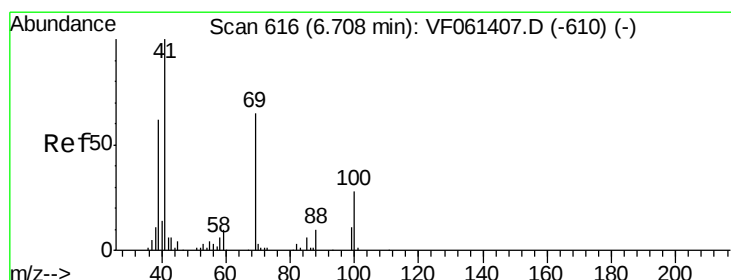
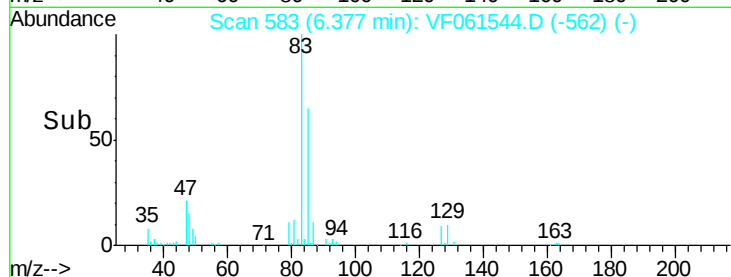
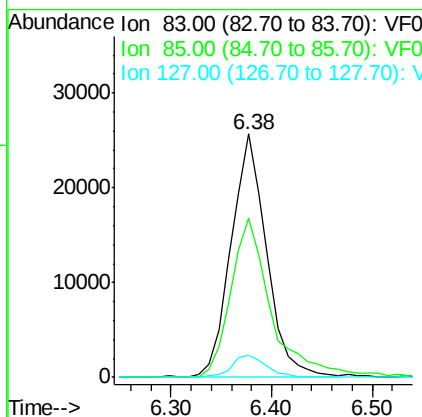
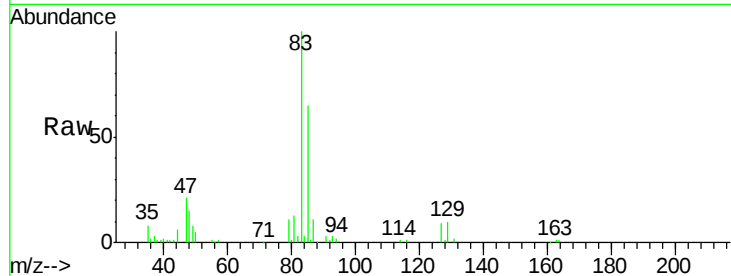
ClientSampleId :

VF0207SBS01

Tot Ion:	83	Resp:	62820
Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.0	79.4
127	9.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.050 ug/l

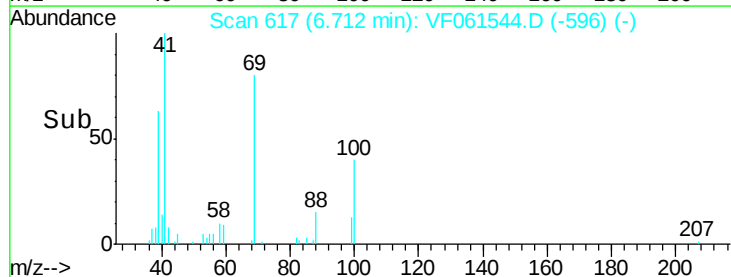
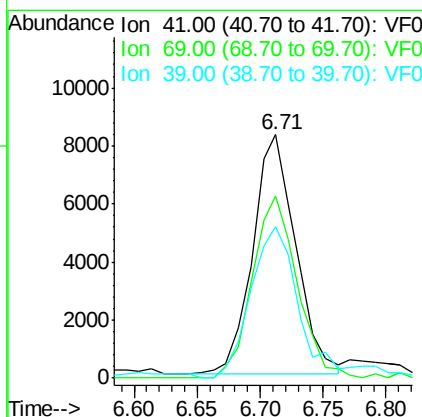
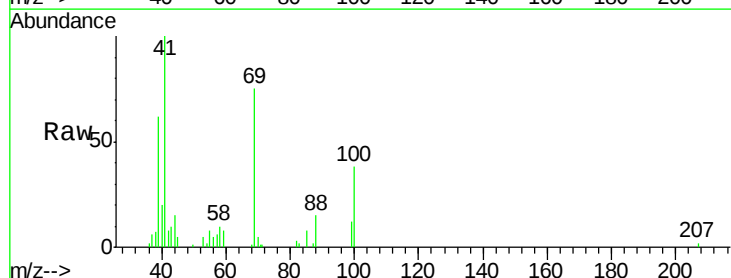
RT: 6.71 min Scan# 617

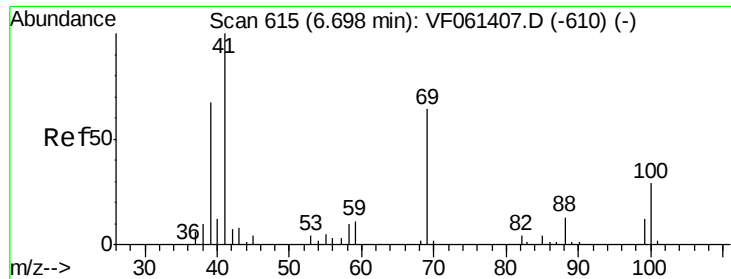
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	41	Resp:	19664
Ion	Ratio	Lower	Upper
41	100		
69	74.8	51.7	77.5
39	62.1	49.2	73.8





#49

1,4-Dioxane

Concen: 347.477 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

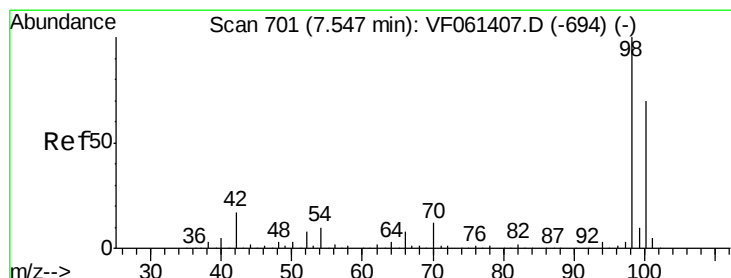
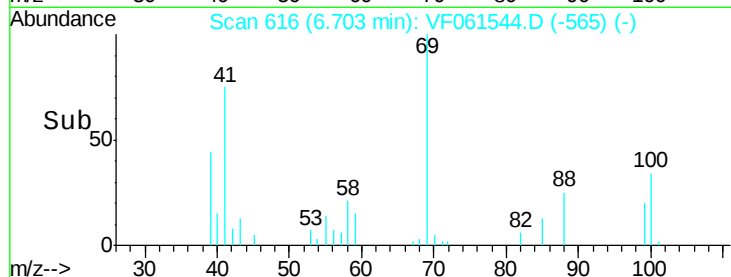
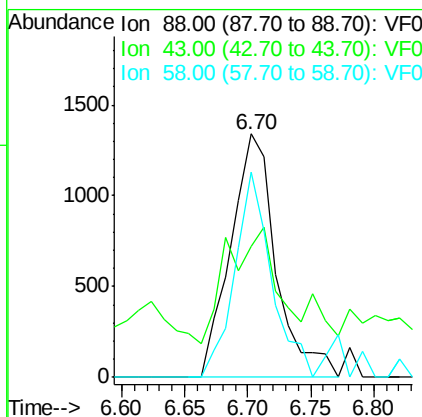
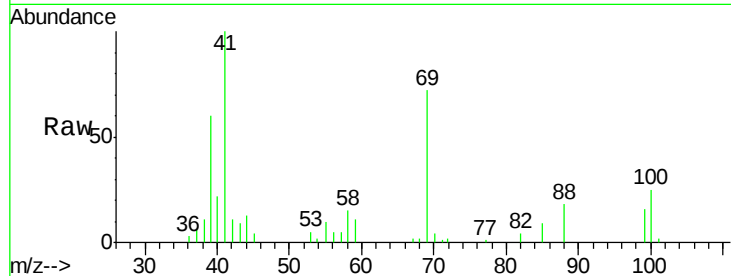
ClientSampleId :

VF0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3359		
43	53.6		55.5	83.3#
58	84.3		59.9	89.9

Manual Integrations
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2/11/2019 12:35:51 PM



#50

Toluene-d8

Concen: 47.112 ug/l

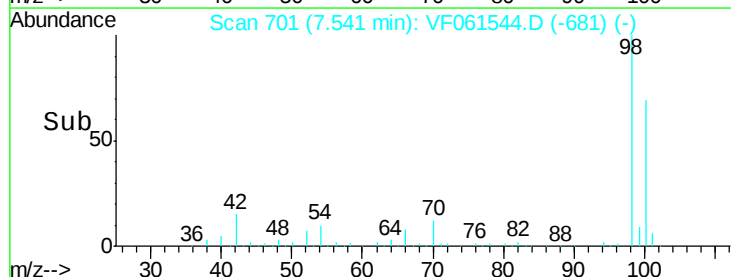
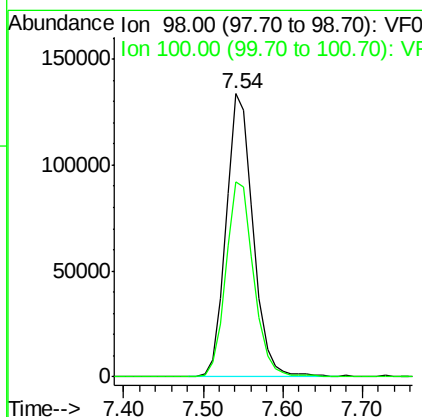
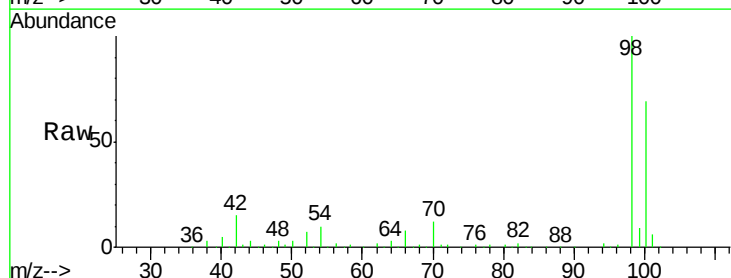
RT: 7.54 min Scan# 701

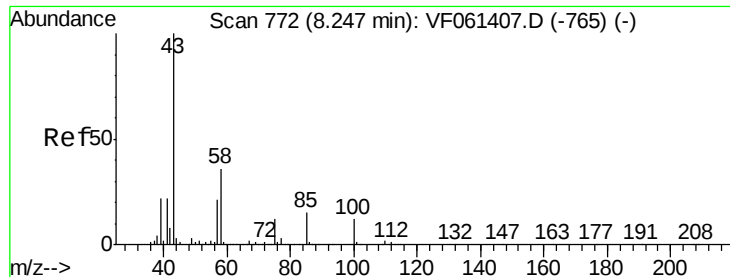
Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	319475		
100	68.8		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 92.230 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 43 Resp: 123708

Ion Ratio Lower Upper

43 100

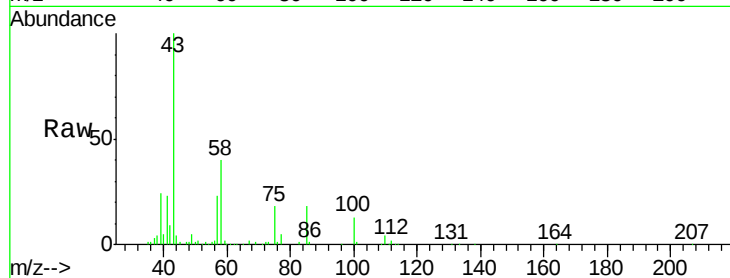
58 39.9 28.8 43.2

Manual Integrations

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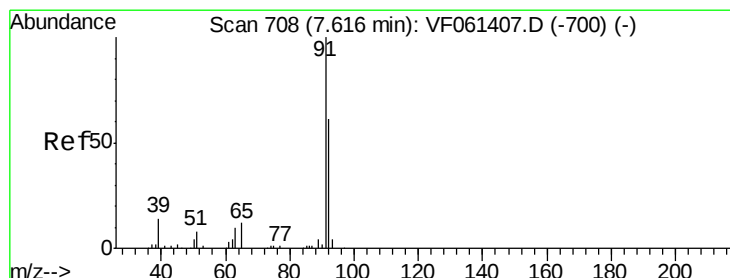
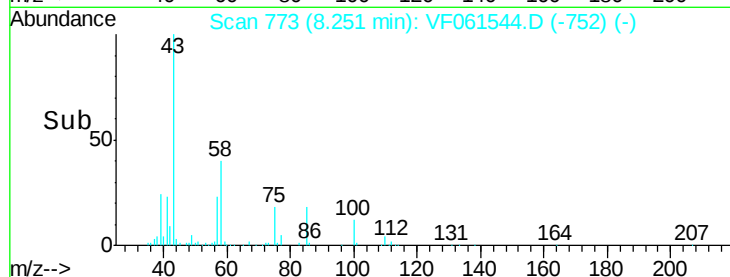
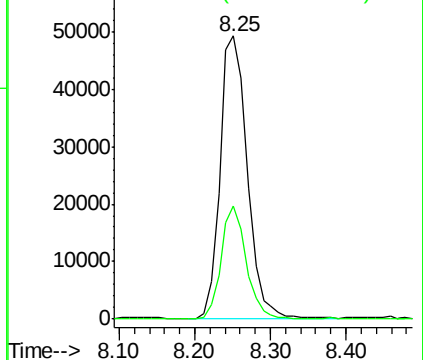
MMDadoda

2/11/2019 12:35:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 17.692 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061544.D

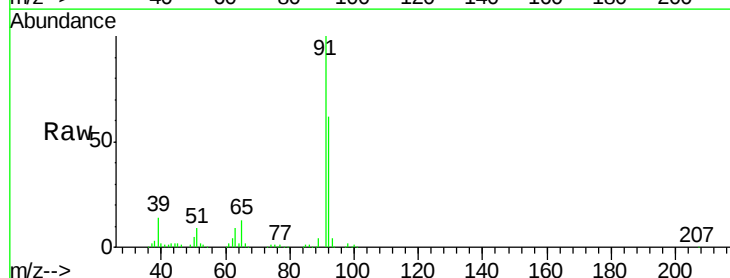
Acq: 7 Feb 2019 14:49

Tgt Ion: 92 Resp: 94279

Ion Ratio Lower Upper

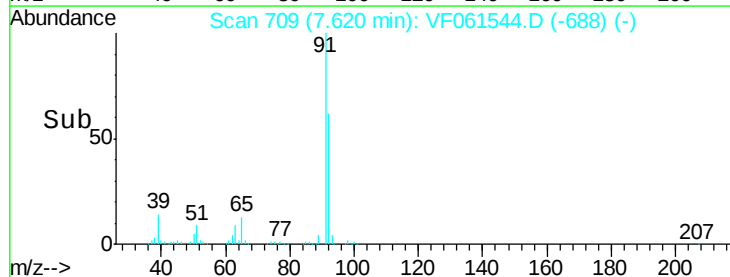
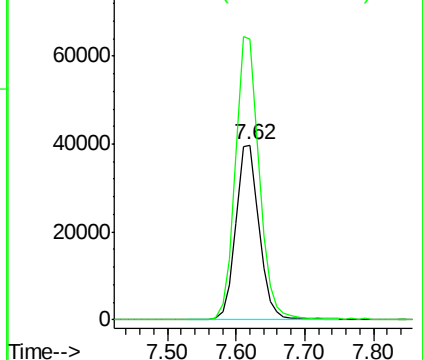
92 100

91 160.5 131.2 196.8



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: 18.115 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 75 Resp: 50262

Ion Ratio Lower Upper

75 100

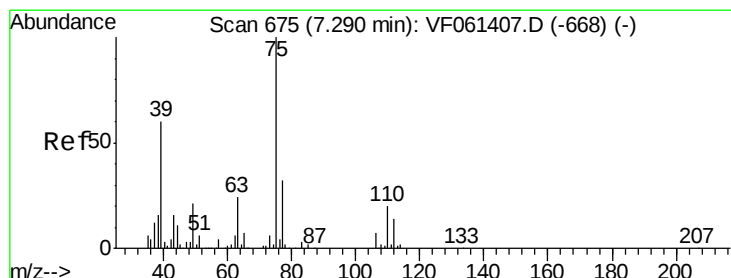
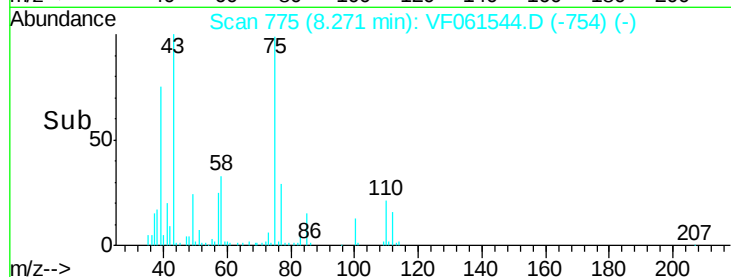
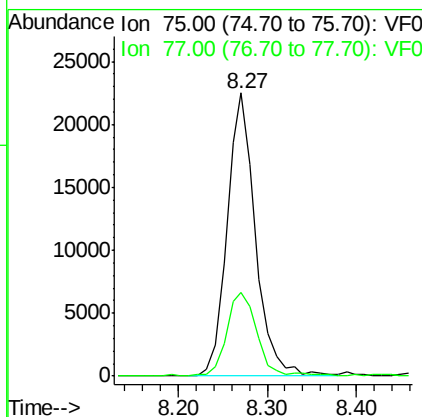
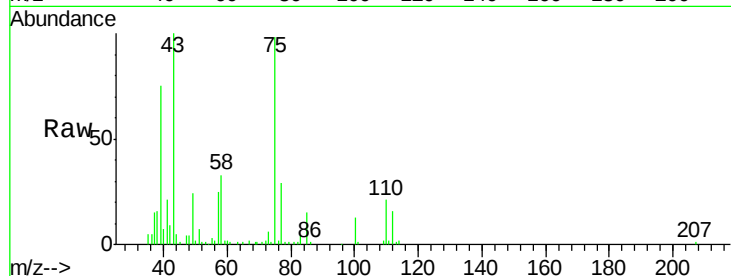
77 29.4 24.4 36.6

Manual Integrations

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2/11/2019 12:35:51 PM



#54

cis-1,3-Dichloropropene

Concen: 19.148 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

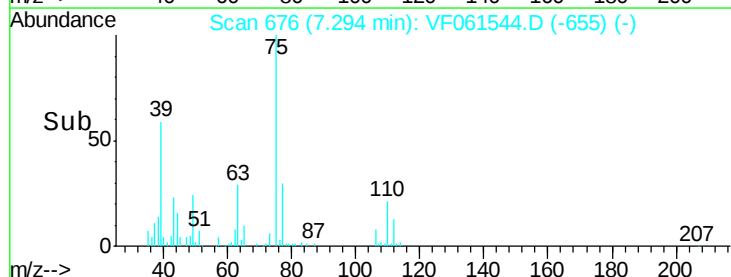
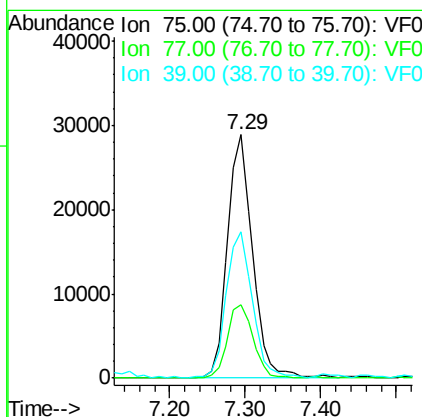
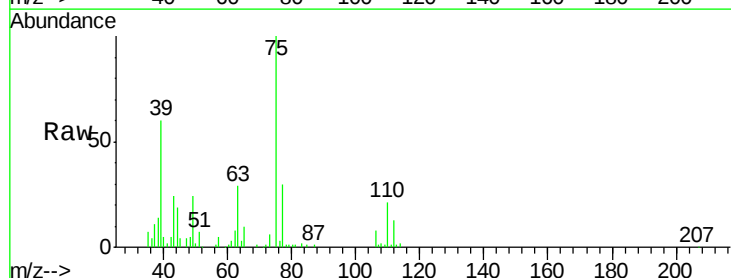
Tgt Ion: 75 Resp: 66406

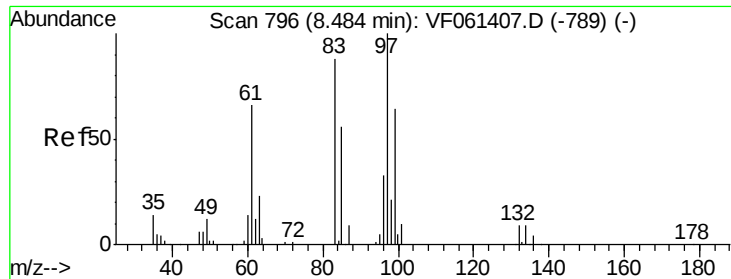
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 60.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 18.967 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

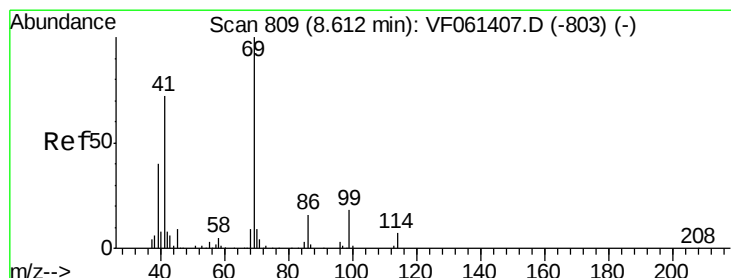
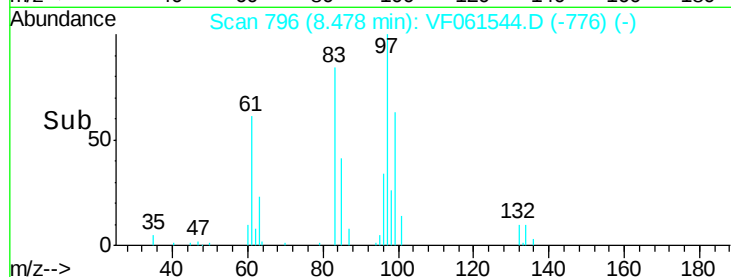
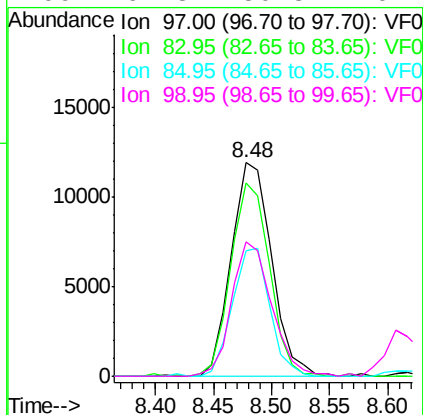
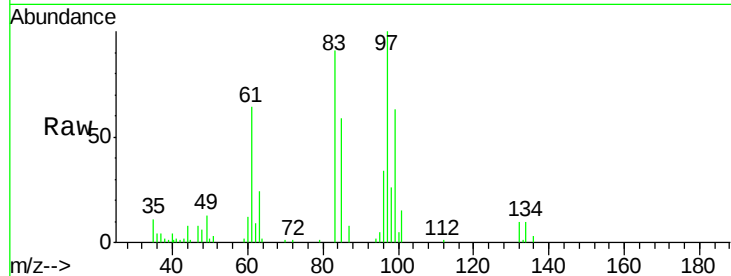
ClientSampleId :

VF0207SBS01

Tot Ion:	97	Resp:	28703
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.4	105.6
85	58.8	44.7	67.1
99	62.8	50.8	76.2

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2/11/2019 12:35:51 PM



#56

Ethyl methacrylate

Concen: 18.056 ug/l

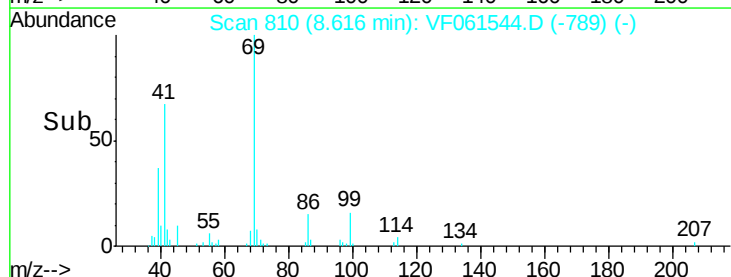
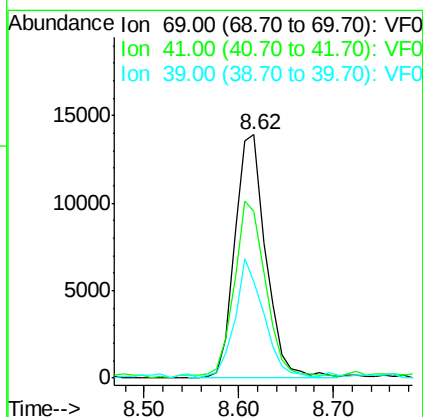
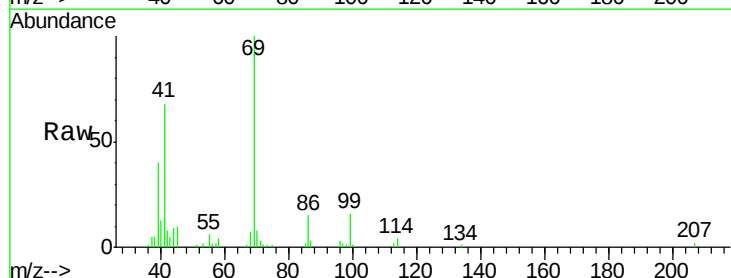
RT: 8.62 min Scan# 810

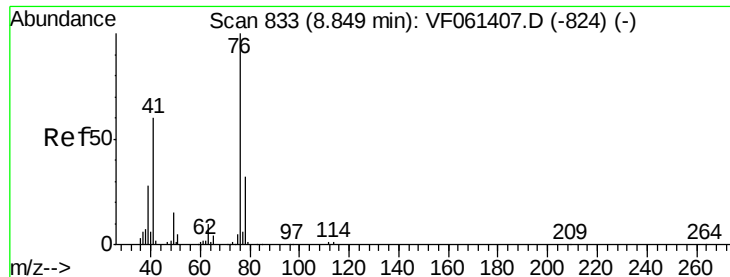
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	69	Resp:	31790
Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.5	86.3
39	39.8	32.0	48.0





#57

1,3-Dichloropropane

Concen: 17.085 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 76 Resp: 48460

Ion Ratio Lower Upper

76 100

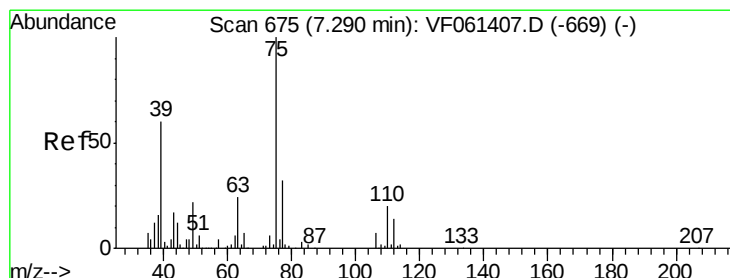
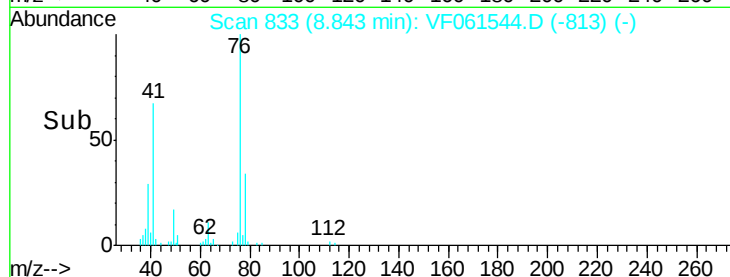
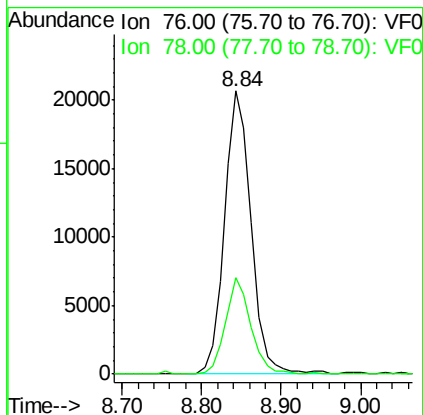
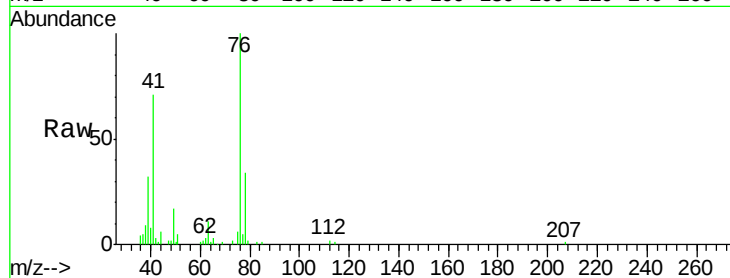
78 33.9 25.3 37.9

Manual Integrations

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2/11/2019 12:35:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 136.557 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061544.D

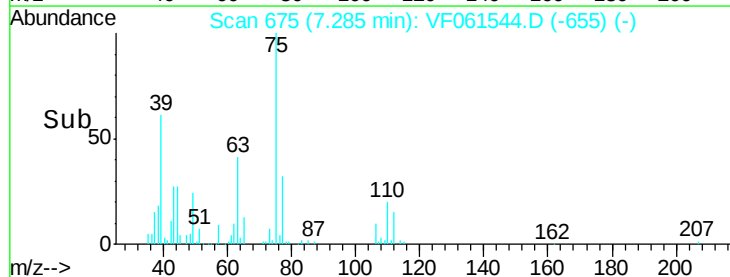
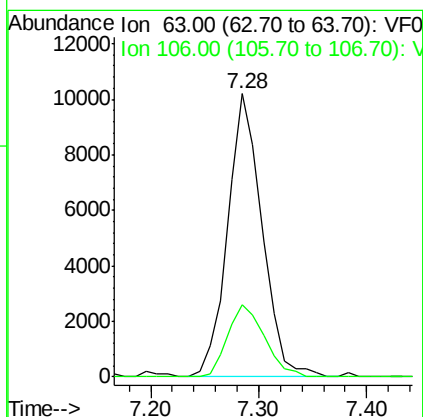
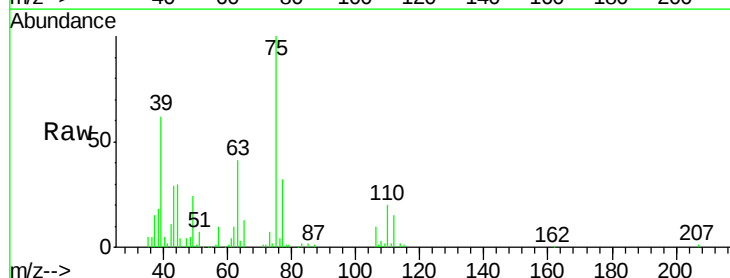
Acq: 7 Feb 2019 14:49

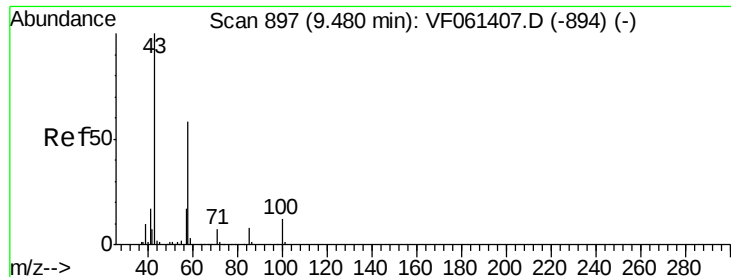
Tgt Ion: 63 Resp: 22621

Ion Ratio Lower Upper

63 100

106 25.7 21.9 32.9





#59

2-Hexanone

Concen: 106.925 ug/l

RT: 9.48 min Scan# 898

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampled :

VF0207SBS01

Tot Ion: 43 Resp: 100008

Ion Ratio Lower Upper

43 100

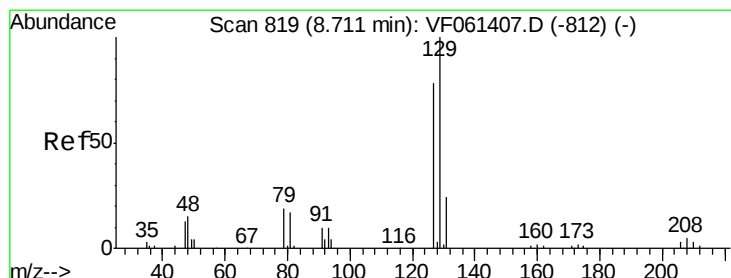
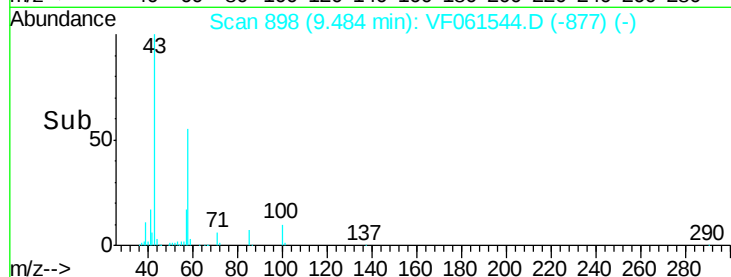
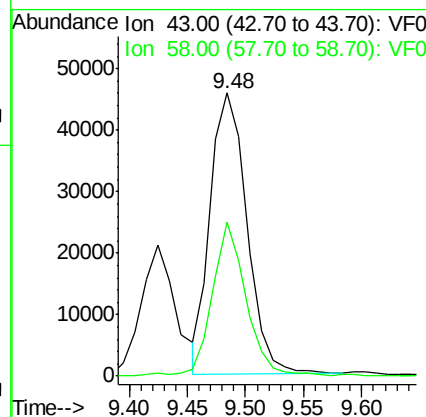
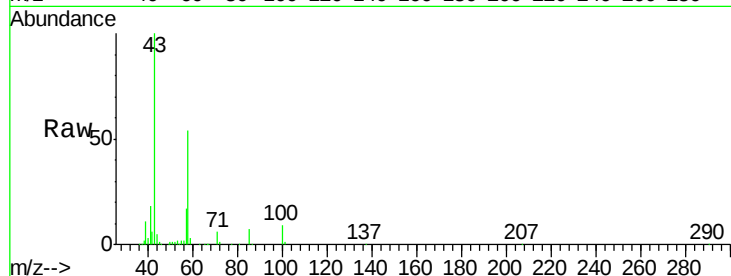
58 54.3 25.9 77.6

Manual Integrations

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MMDadoda

2/11/2019 12:35:51 PM



#60

Dibromochloromethane

Concen: 18.236 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF061544.D

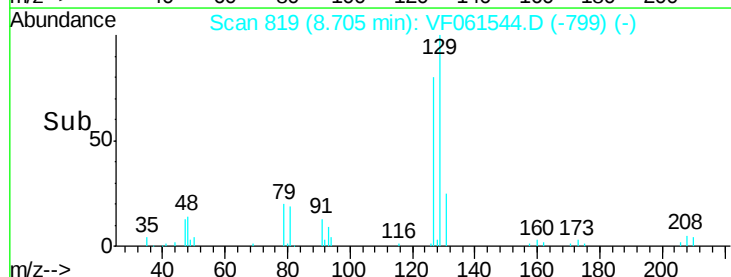
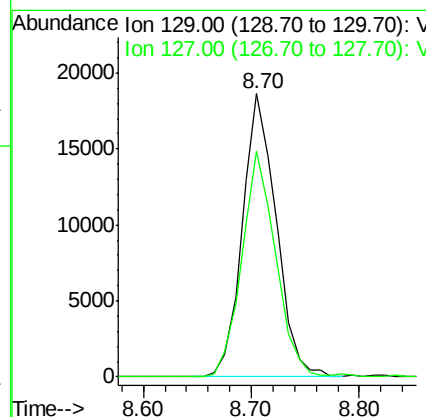
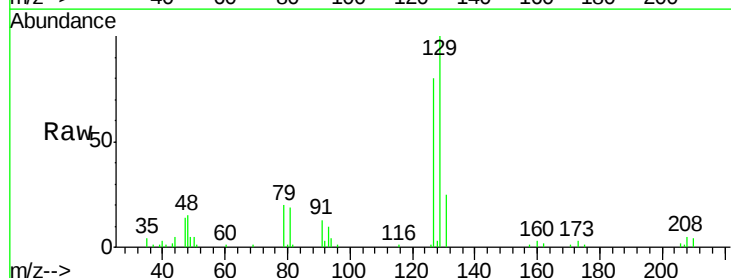
Acq: 7 Feb 2019 14:49

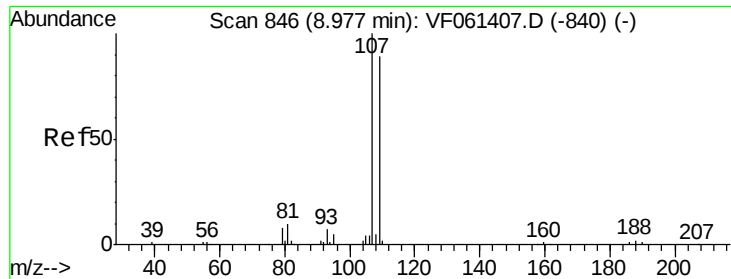
Tgt Ion: 129 Resp: 40345

Ion Ratio Lower Upper

129 100

127 79.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.034 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion:107 Resp: 29509

Ion Ratio Lower Upper

107 100

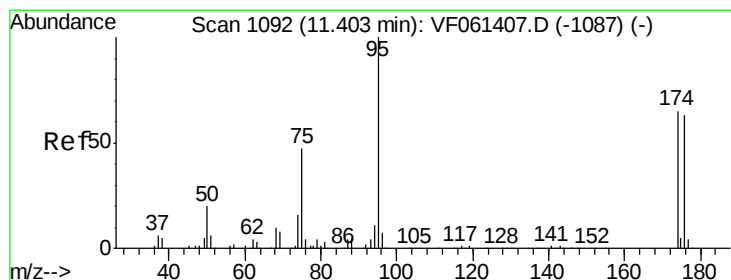
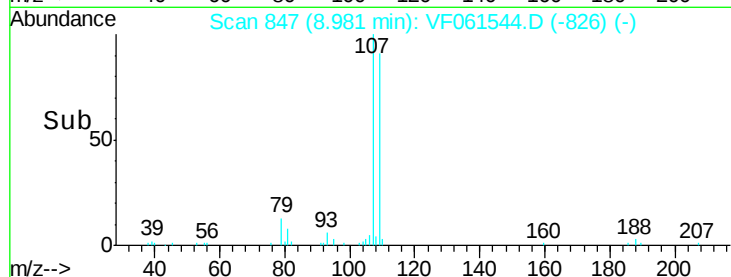
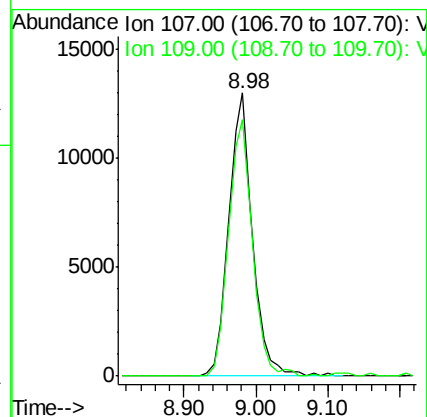
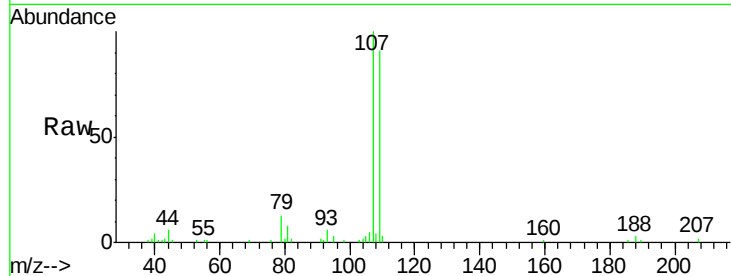
109 90.5 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

2/11/2019 12:35:51 PM



#62

4-Bromofluorobenzene

Concen: 46.701 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

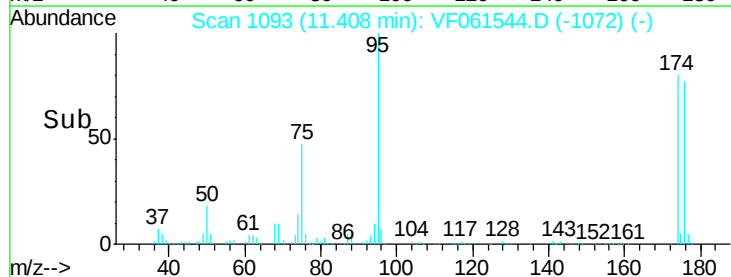
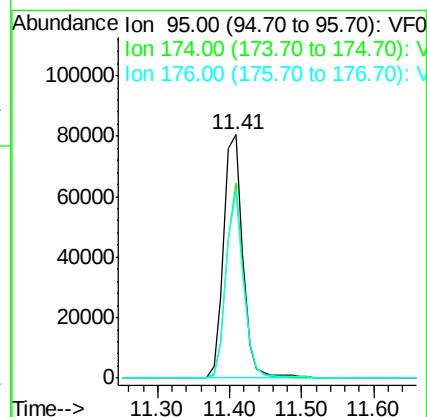
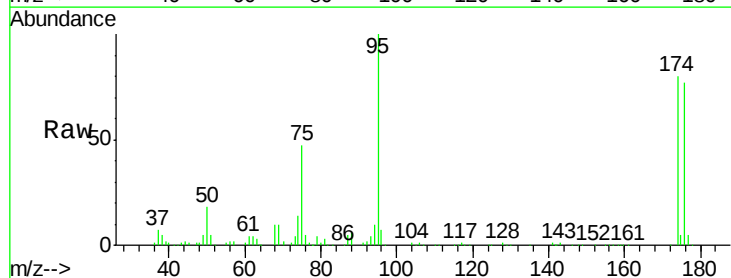
Tgt Ion: 95 Resp: 147963

Ion Ratio Lower Upper

95 100

174 80.2 0.0 130.4

176 77.1 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

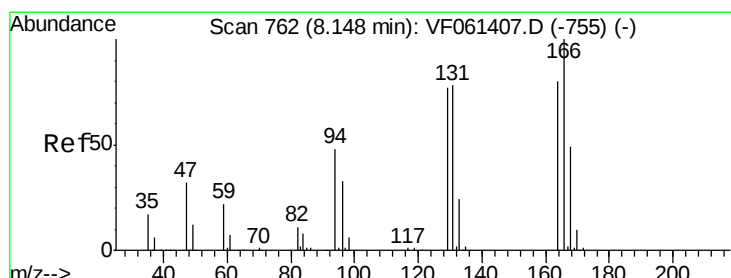
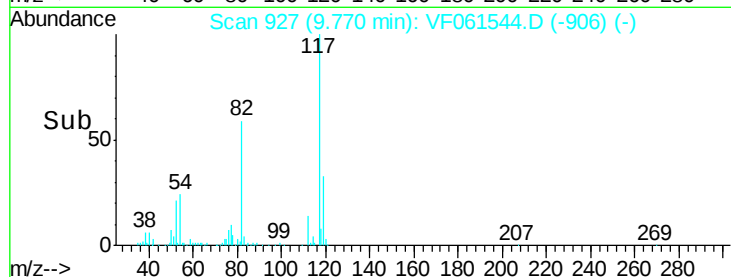
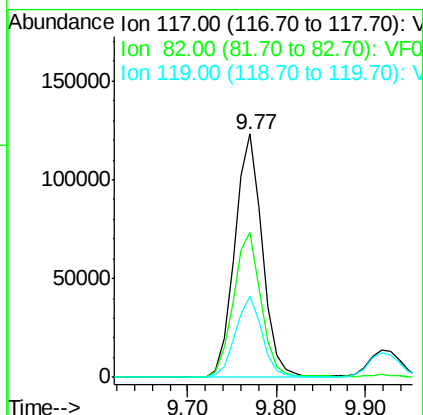
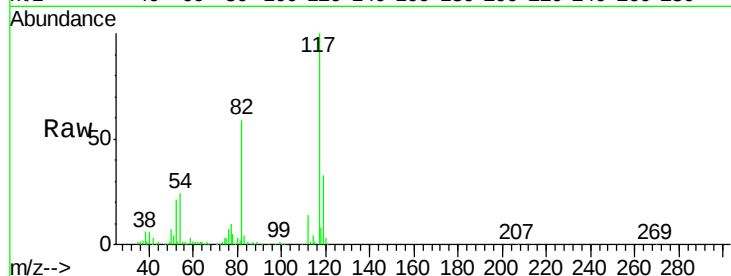
ClientSampleId :

VF0207SBS01

Tot Ion:	117	Resp:	267412
Ion Ratio	Lower	Upper	
117	100		
82	59.4	46.4	69.6
119	33.1	27.2	40.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.464 ug/l

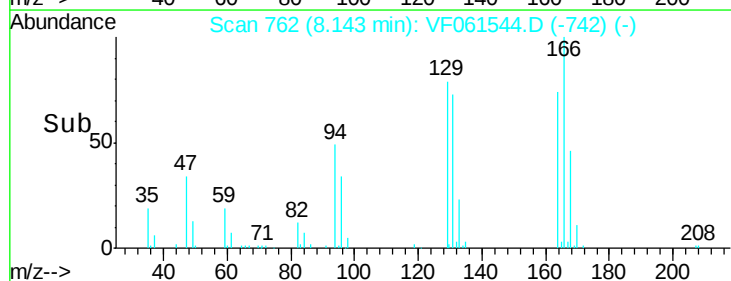
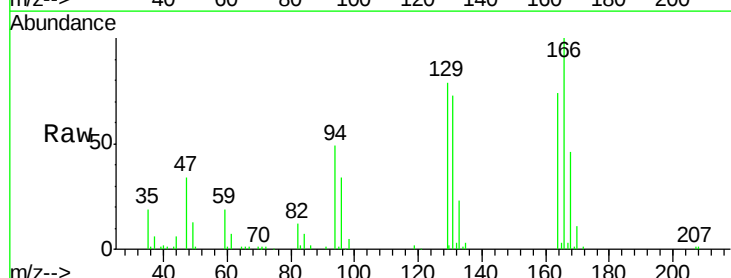
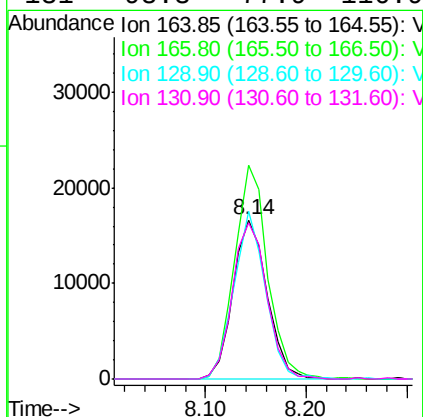
RT: 8.14 min Scan# 762

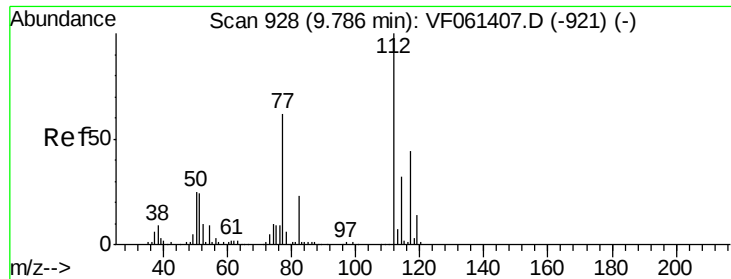
Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	164	Resp:	39142
Ion Ratio	Lower	Upper	
164	100		
166	134.5	99.6	149.4
129	105.9	76.4	114.6
131	98.3	77.9	116.9





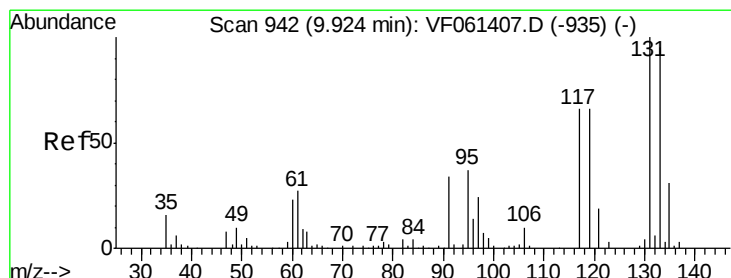
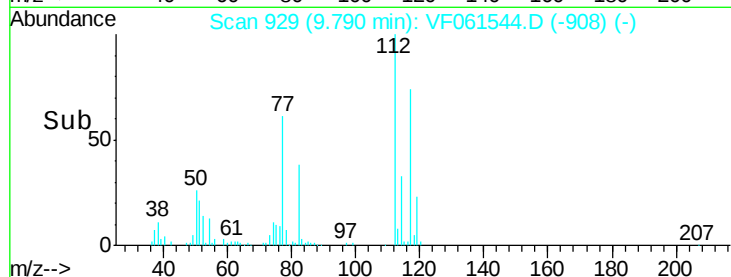
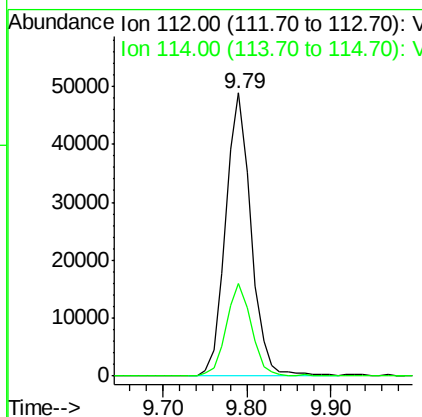
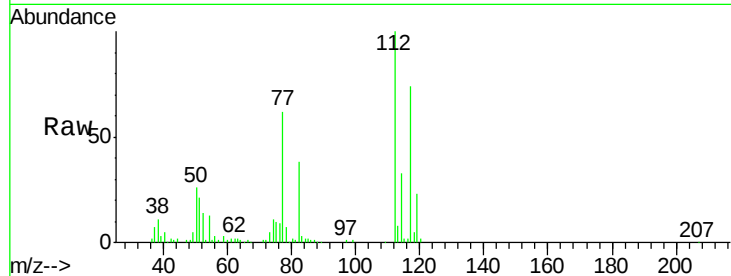
#65
Chlorobenzene
Concen: 18.847 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion:112 Resp: 102490
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

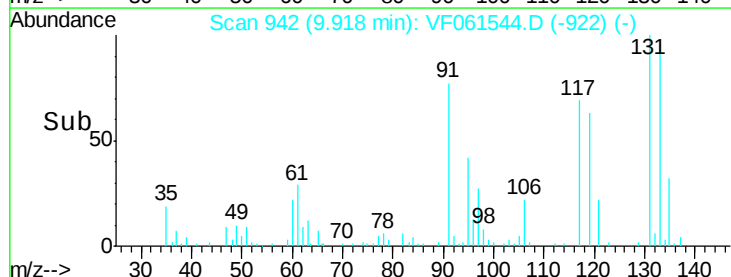
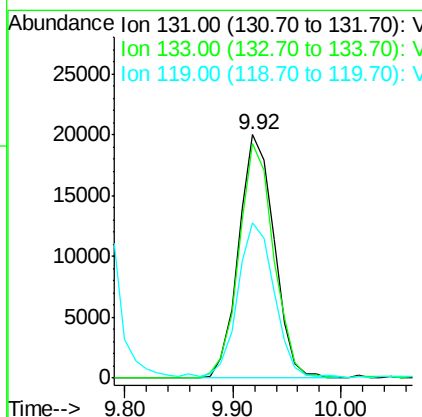
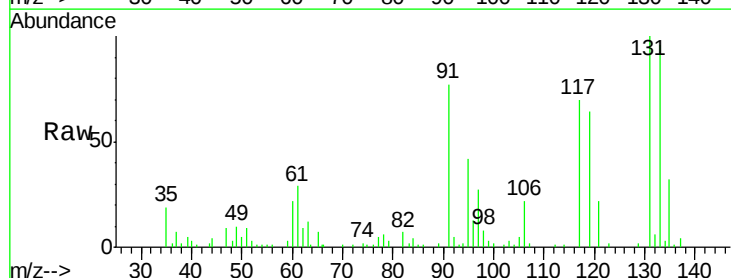
Manual Integrations
APPROVED

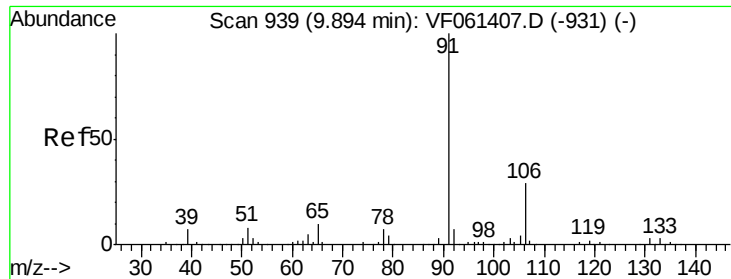
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.092 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:131 Resp: 45693
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 63.7 33.1 99.3





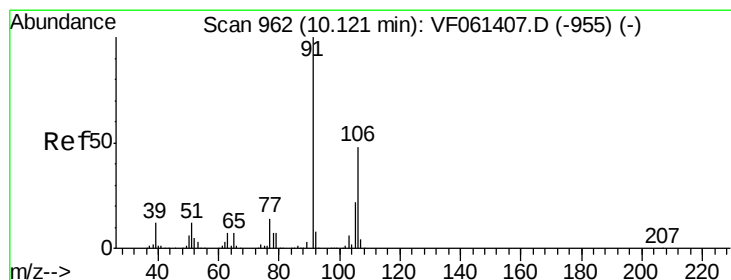
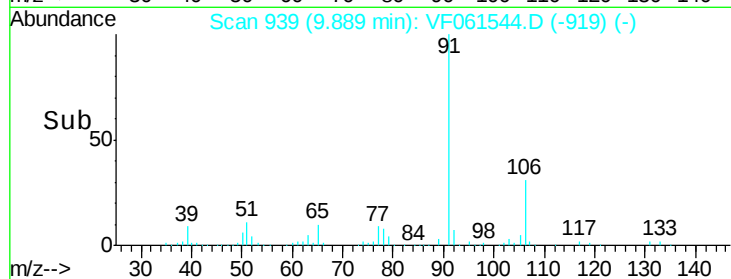
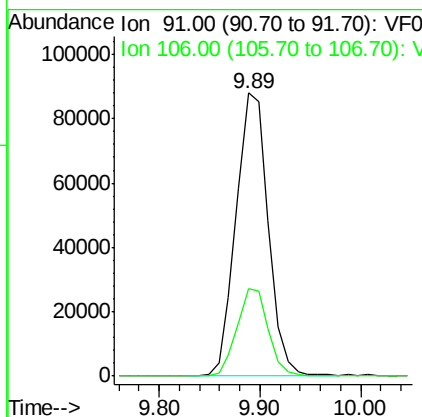
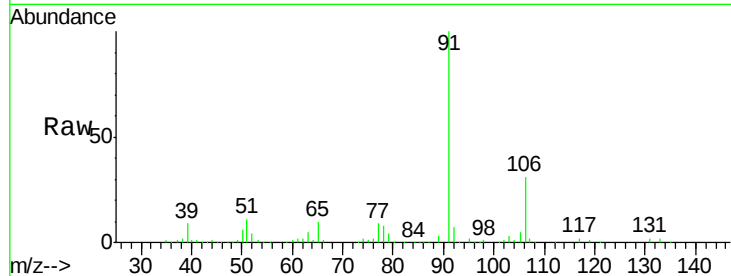
#67
Ethyl Benzene
Concen: 19.795 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion: 91 Resp: 196675
Ion Ratio Lower Upper
91 100
106 30.9 23.1 34.7

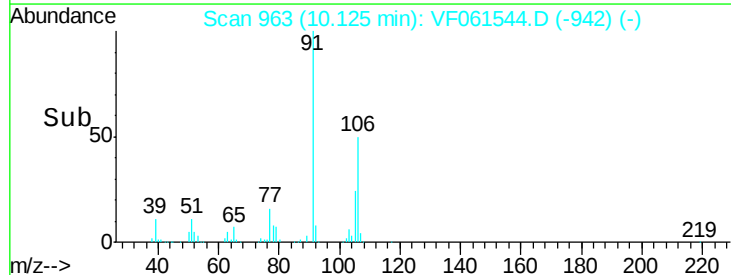
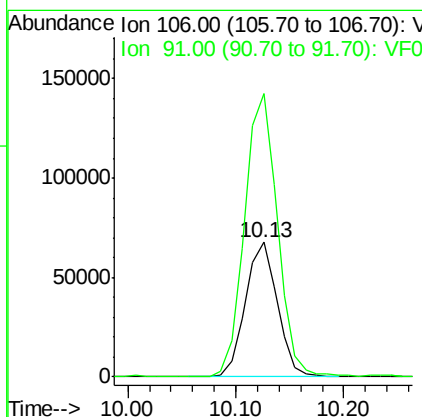
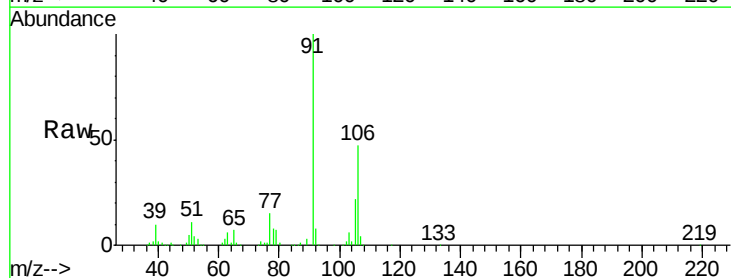
Manual Integrations
APPROVED

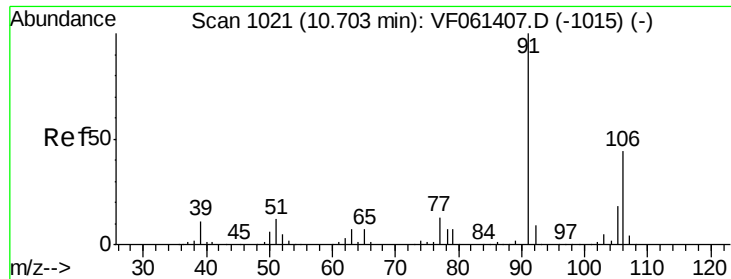
MMDadoda
2/11/2019 12:35:51 PM



#68
m/p-Xylenes
Concen: 39.418 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion: 106 Resp: 140858
Ion Ratio Lower Upper
106 100
91 210.6 166.2 249.4





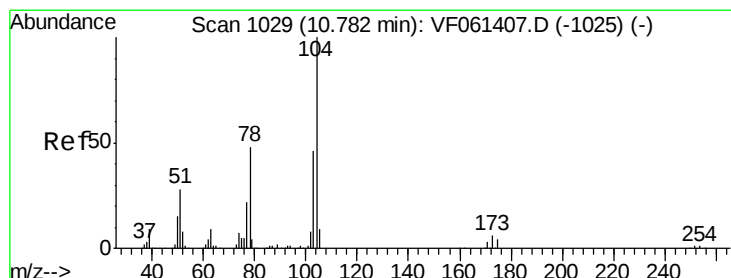
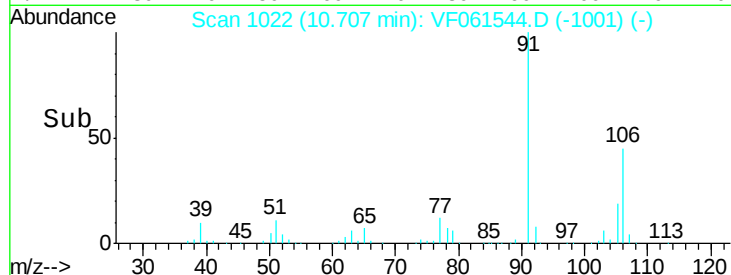
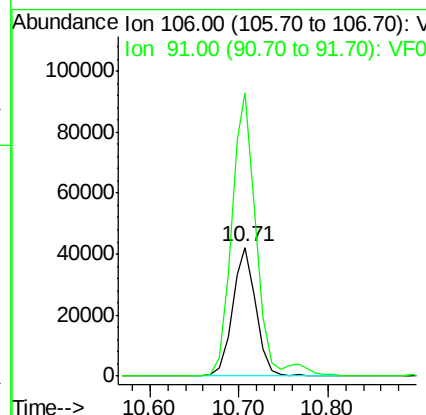
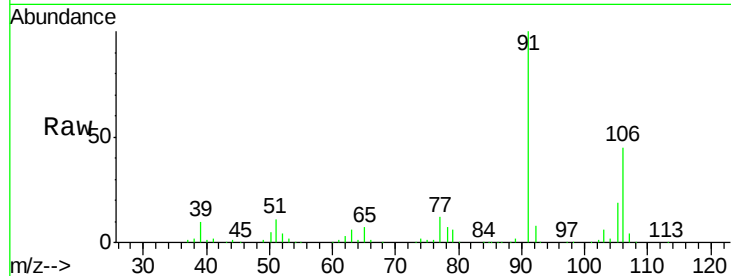
#69
o-Xylene
Concen: 20.172 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion:106 Resp: 78127
Ion Ratio Lower Upper
106 100
91 220.1 113.3 339.8

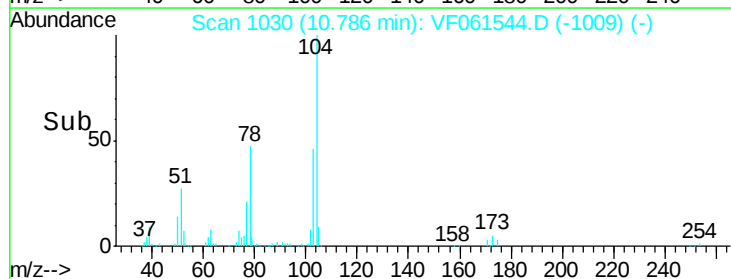
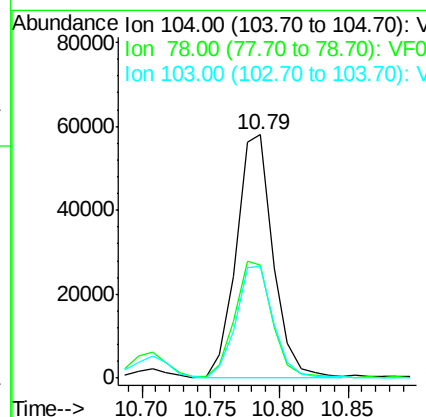
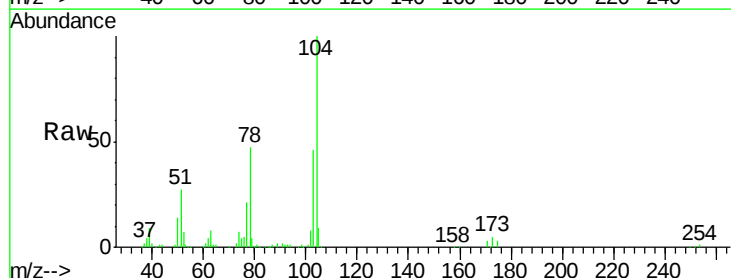
Manual Integrations
APPROVED

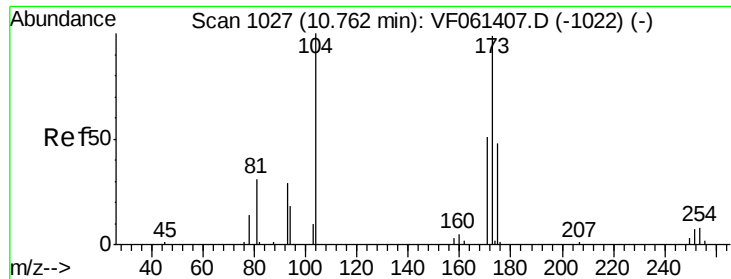
MMDadoda
2/11/2019 12:35:51 PM



#70
Styrene
Concen: 20.358 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion:104 Resp: 107927
Ion Ratio Lower Upper
104 100
78 46.5 38.8 58.2
103 45.8 37.0 55.6





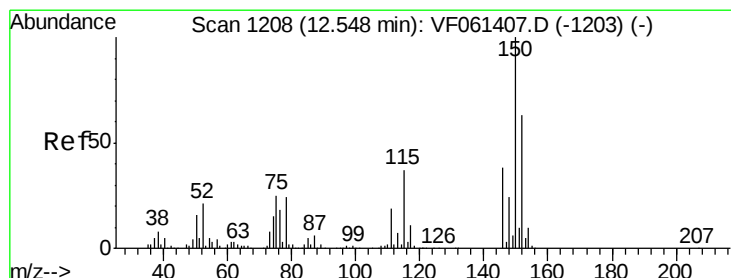
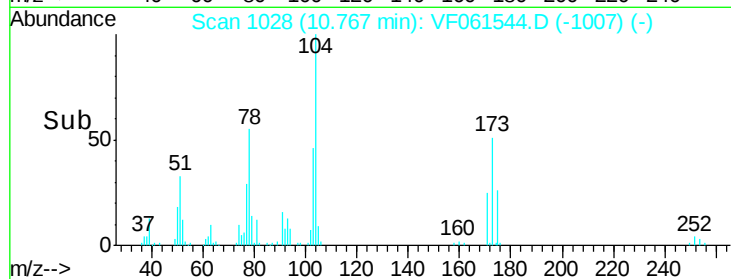
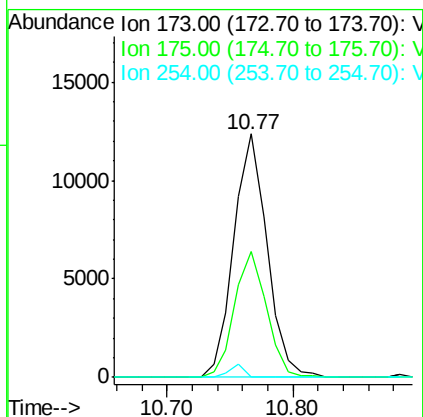
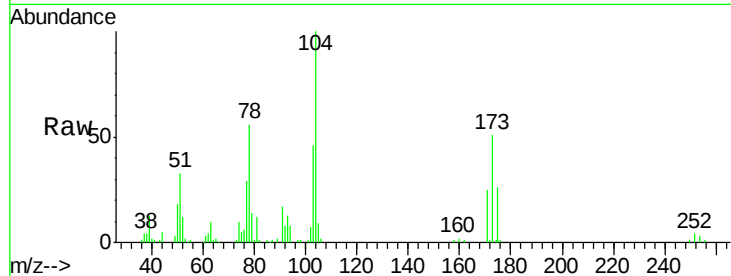
#71
Bromoform
Concen: 23.199 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	24.1	72.4
254	0.0	0.0	0.0

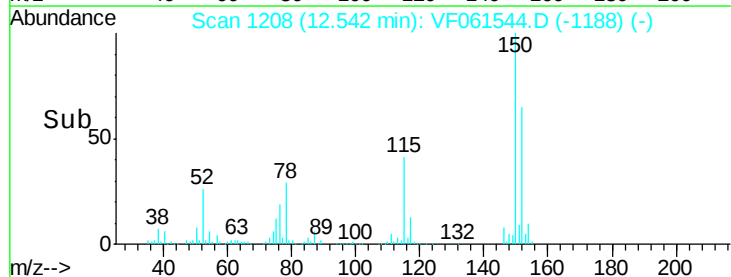
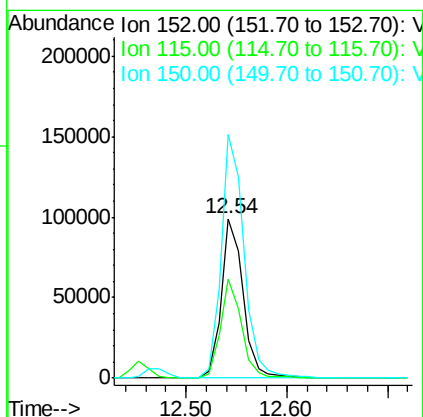
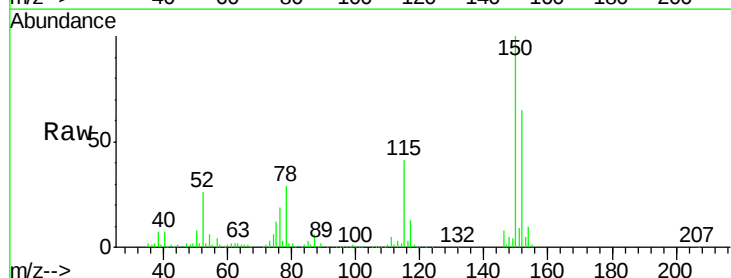
Manual Integrations
APPROVED

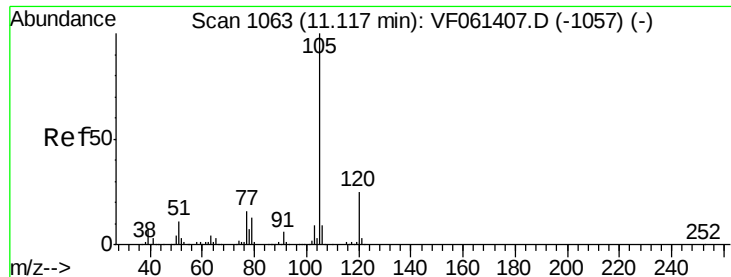
MMDadoda
2/11/2019 12:35:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.0	90.0
150	152.9	0.0	321.4





#73

Isopropylbenzene

Concen: 18.405 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampled :

VF0207SBS01

Tot Ion:105 Resp: 224256

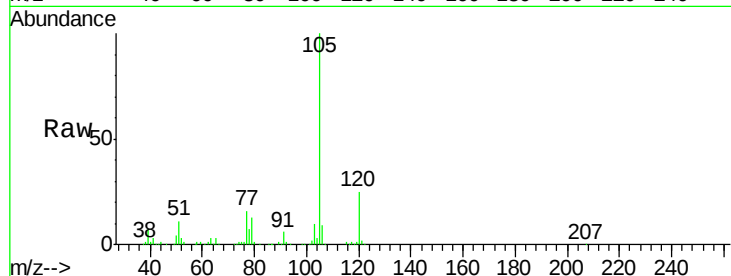
Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8

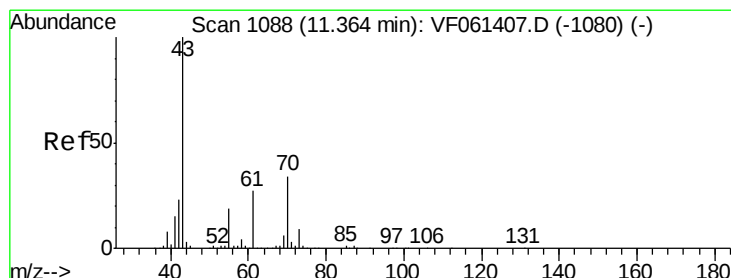
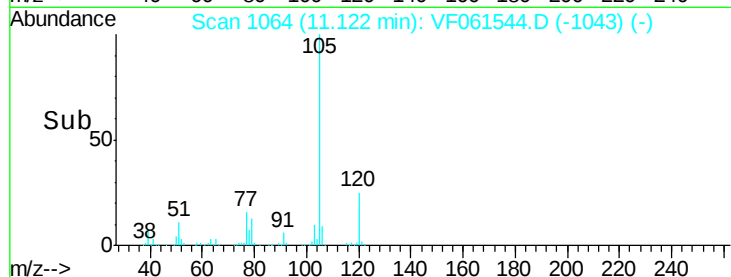
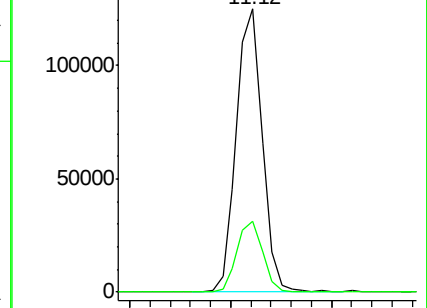
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:35:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.953 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion: 43 Resp: 60370

Ion Ratio Lower Upper

43 100

70 37.3 27.6 41.4

55 20.5 15.4 23.2

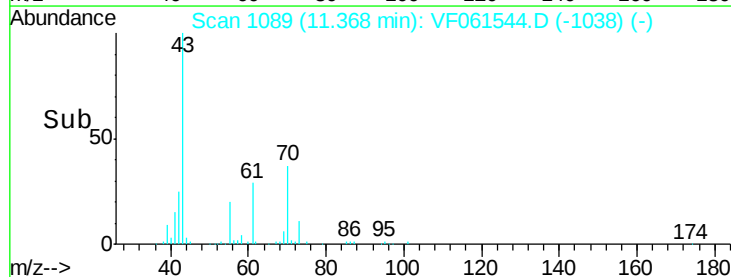
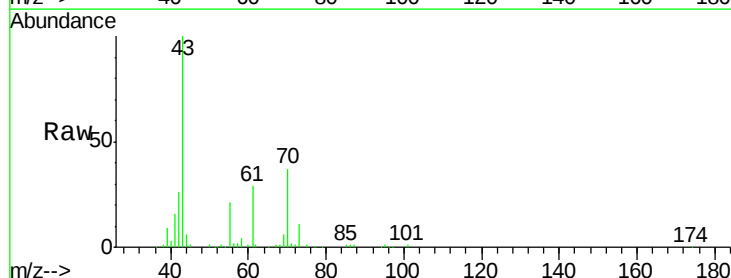
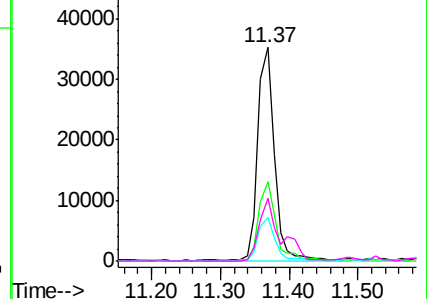
61 29.2 21.8 32.6

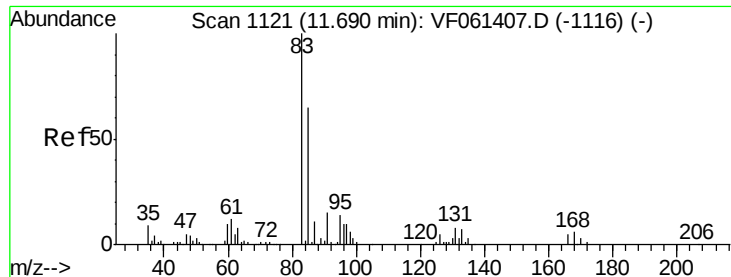
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.423 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

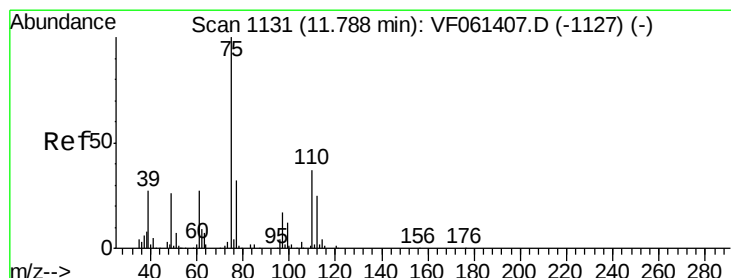
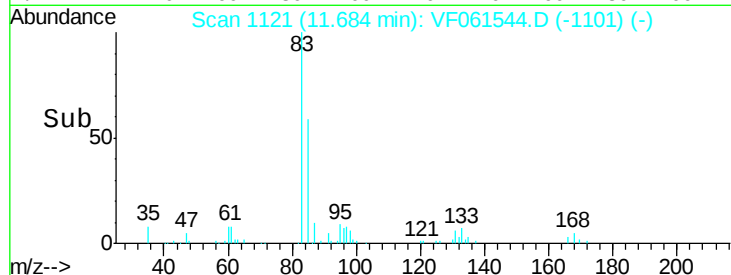
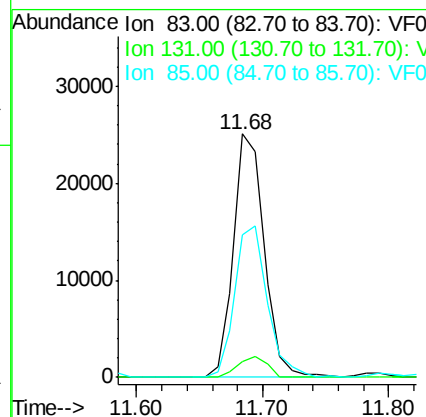
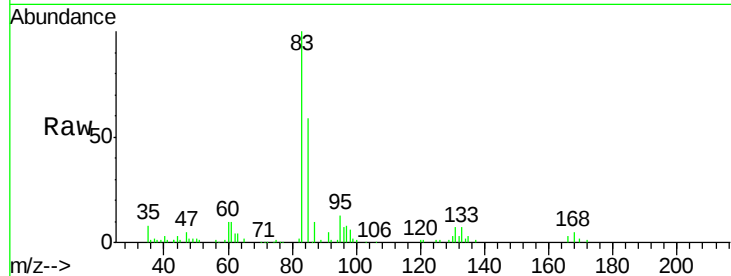
ClientSampleId :

VF0207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	6.7	4.0	12.2
85	58.7	32.7	98.1

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2/11/2019 12:35:51 PM



#76

1,2,3-Trichloropropane

Concen: 18.429 ug/l

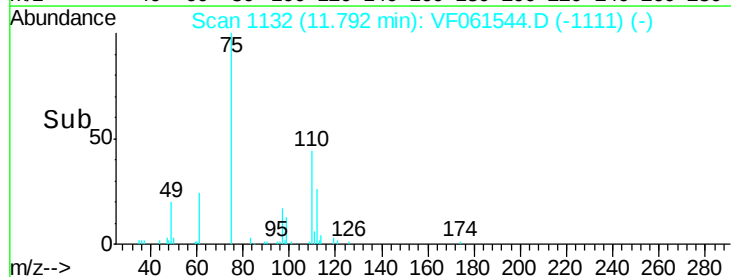
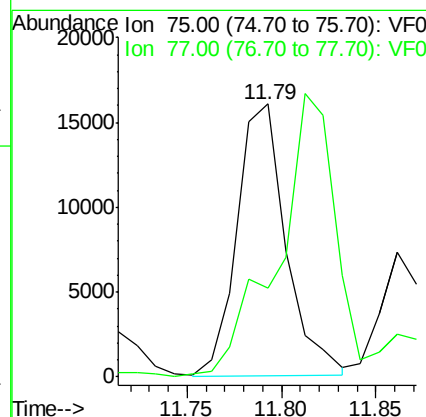
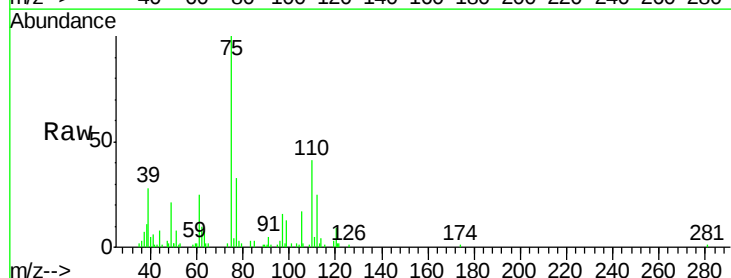
RT: 11.79 min Scan# 1132

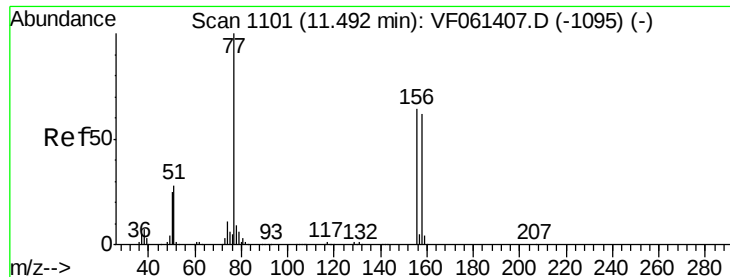
Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.1	48.3





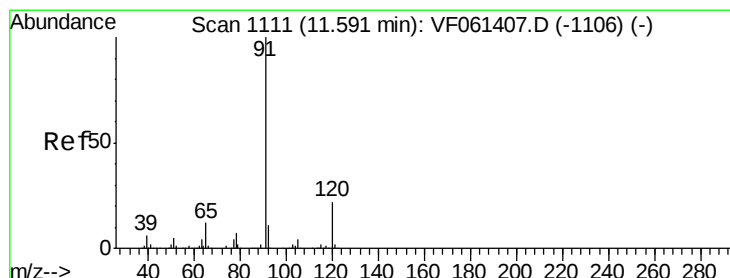
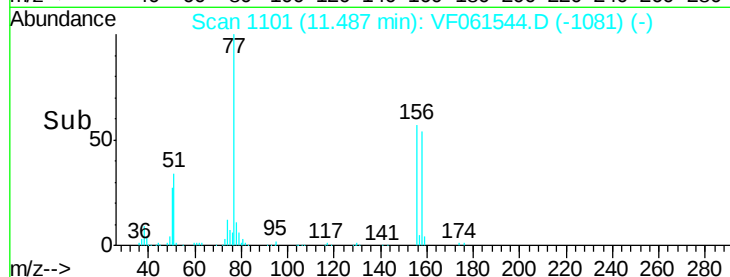
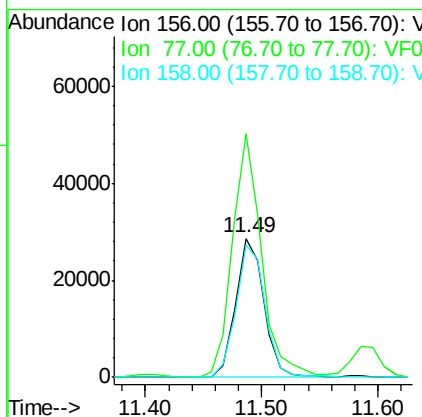
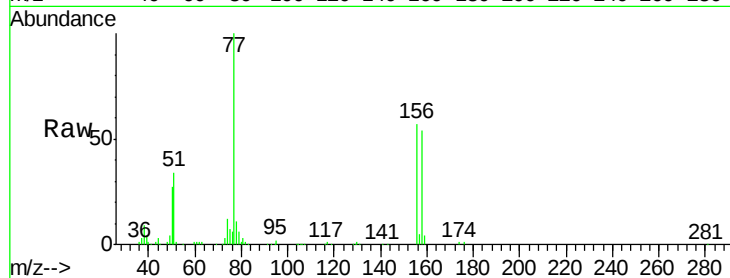
#77
Bromobenzene
Concen: 18.739 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.4	78.3	234.9
158	95.4	48.9	146.7

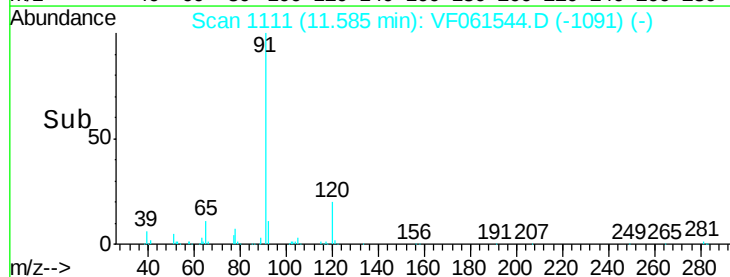
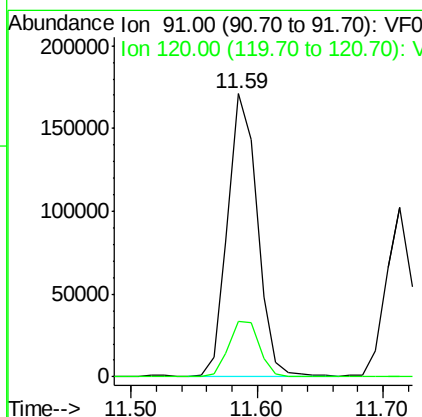
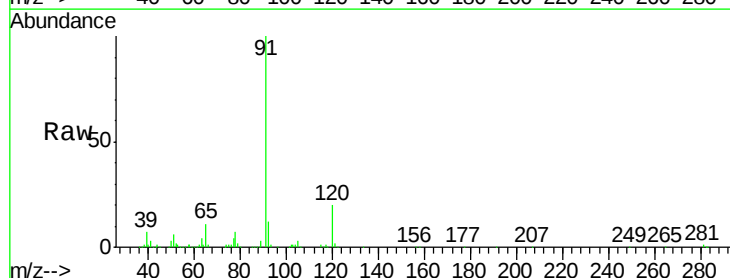
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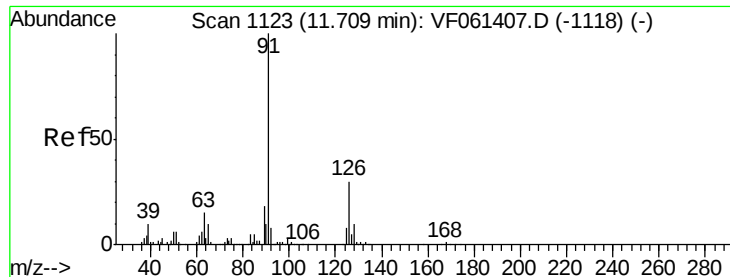
MMDadoda
2/11/2019 12:35:51 PM



#78
n-propylbenzene
Concen: 17.467 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.6	10.9	32.6





#79

2-Chlorotoluene

Concen: 17.947 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

VF0207SBS01

Tot Ion: 91 Resp: 151728

Ion Ratio Lower Upper

91 100

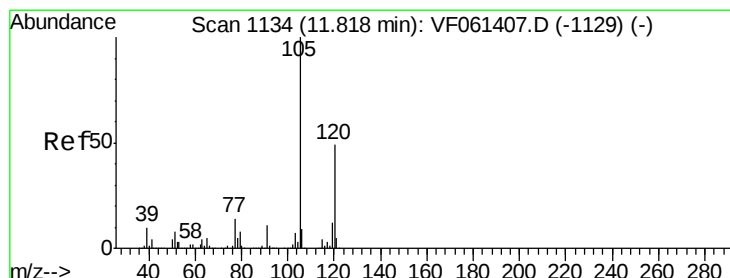
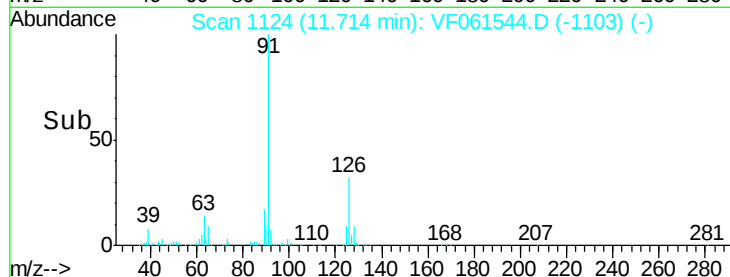
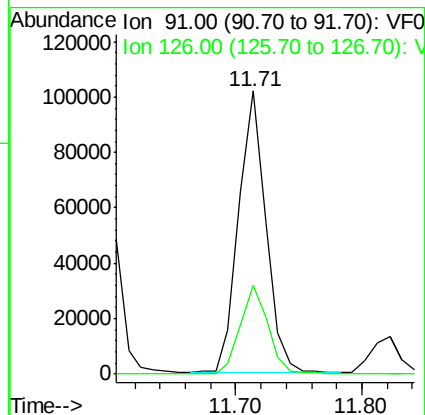
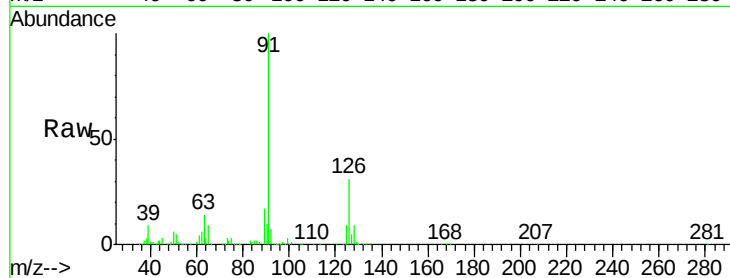
126 31.5 15.0 45.1

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2/11/2019 12:35:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061544.D

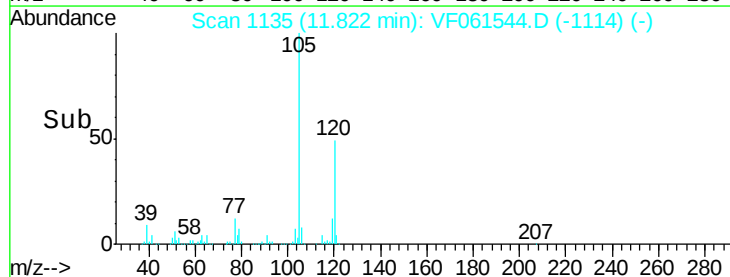
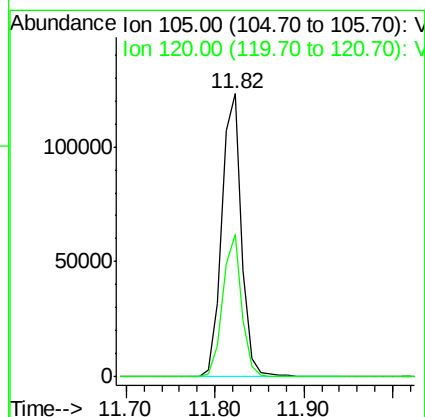
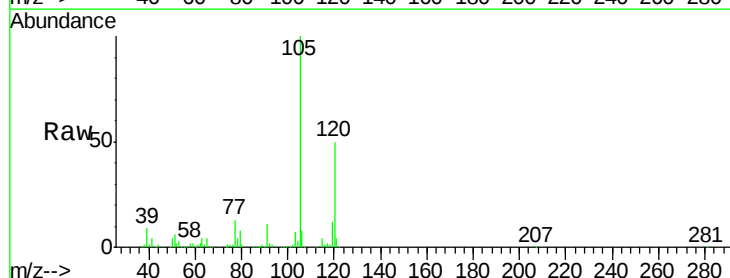
Acq: 7 Feb 2019 14:49

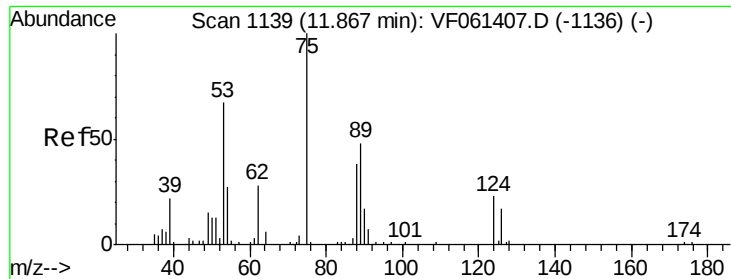
Tgt Ion: 105 Resp: 192268

Ion Ratio Lower Upper

105 100

120 50.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.889 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

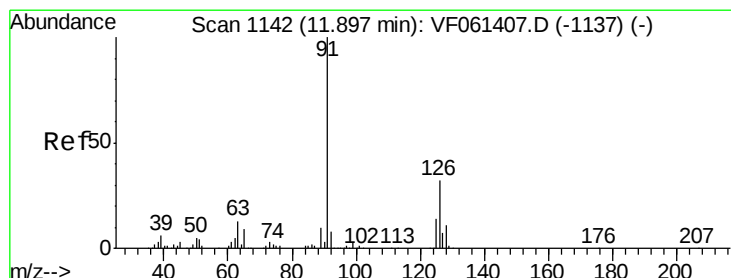
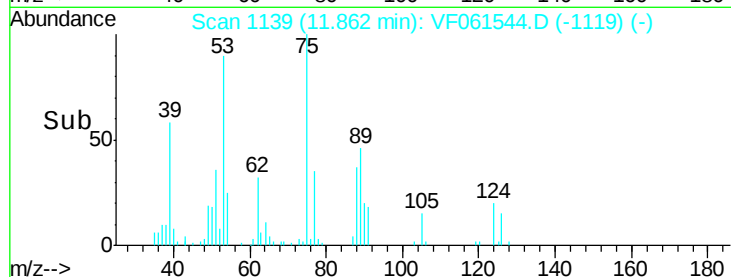
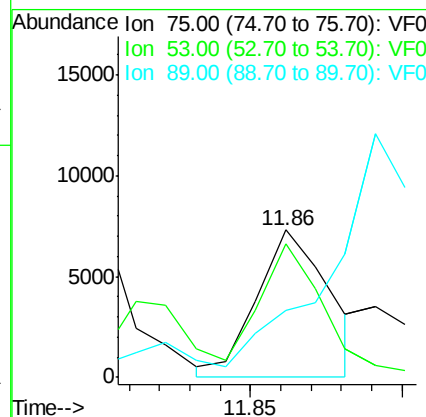
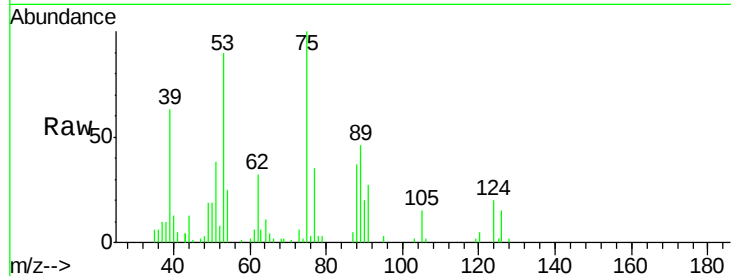
ClientSampleId :

VF0207SBS01

Tot Ion:	75	Resp:	12129
Ion Ratio	Lower	Upper	
75	100		
53	90.1	57.8	86.6#
89	45.6	40.7	61.1

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2/11/2019 12:35:51 PM



#82

4-Chlorotoluene

Concen: 18.354 ug/l

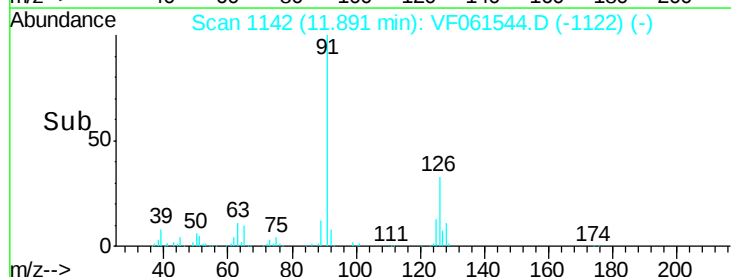
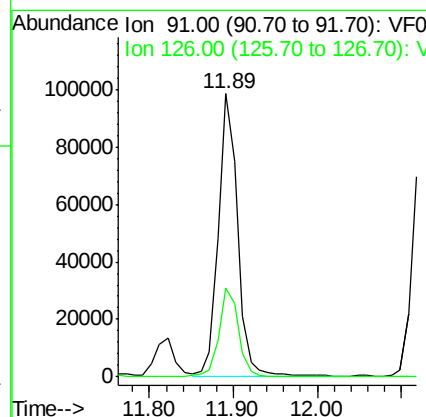
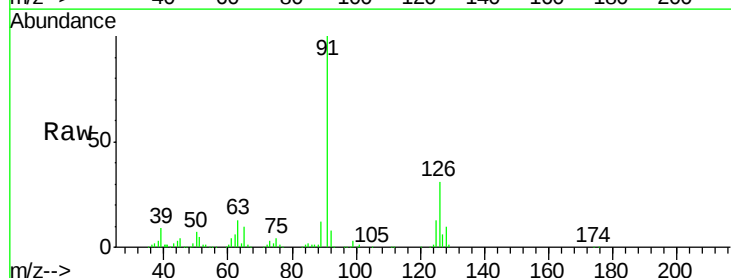
RT: 11.89 min Scan# 1142

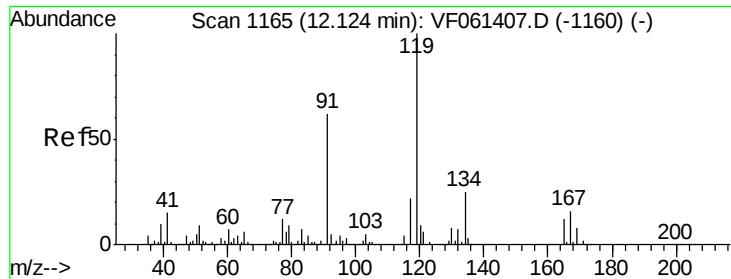
Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	91	Resp:	156581
Ion Ratio	Lower	Upper	
91	100		
126	31.4	16.0	47.9





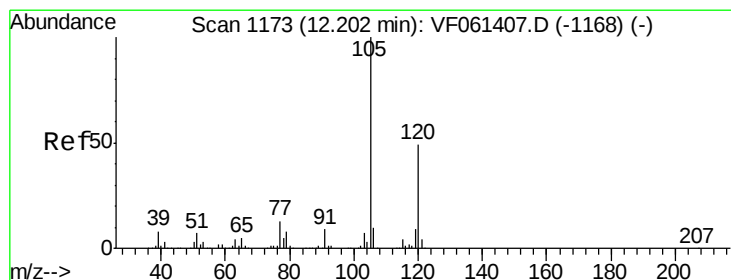
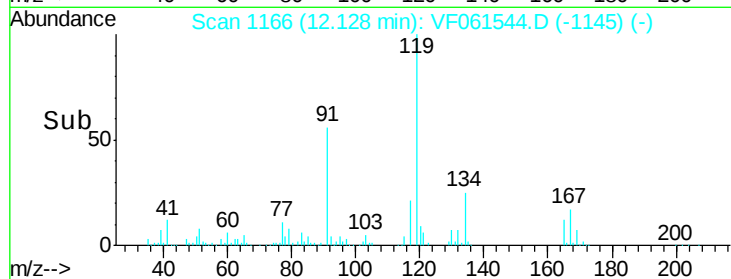
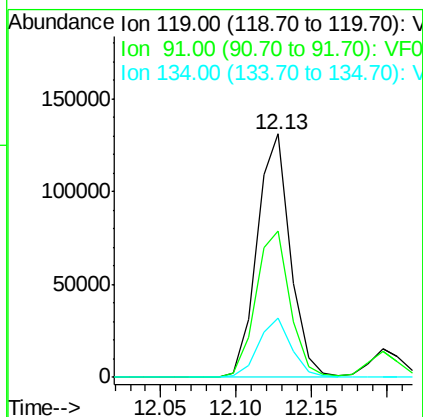
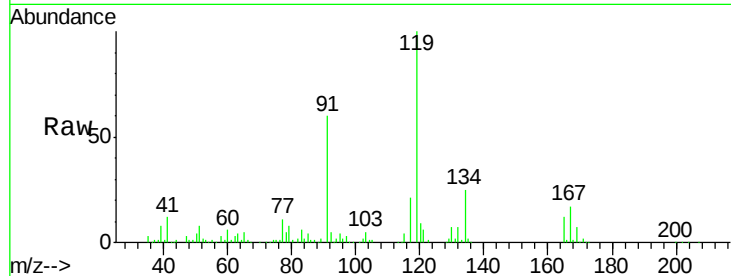
#83
tert-Butylbenzene
Concen: 19.733 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200834		
91	60.2		31.3	93.8
134	24.6		12.4	37.0

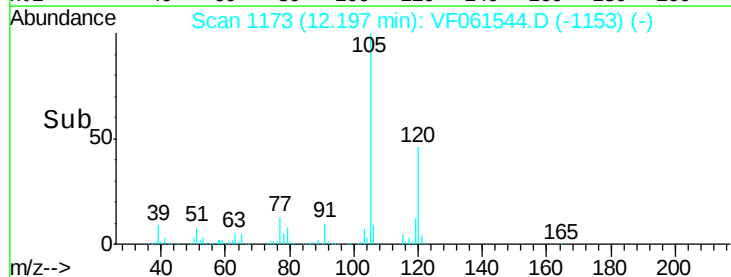
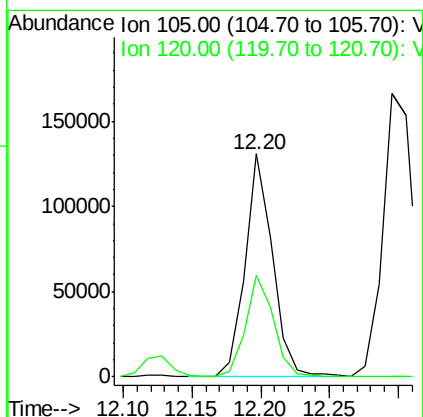
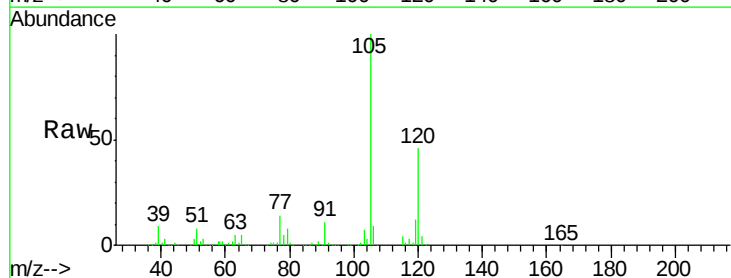
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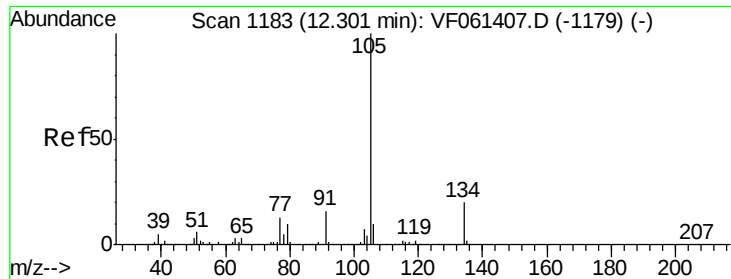
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#84
1,2,4-Trimethylbenzene
Concen: 17.884 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181143		
120	45.6		24.9	74.6





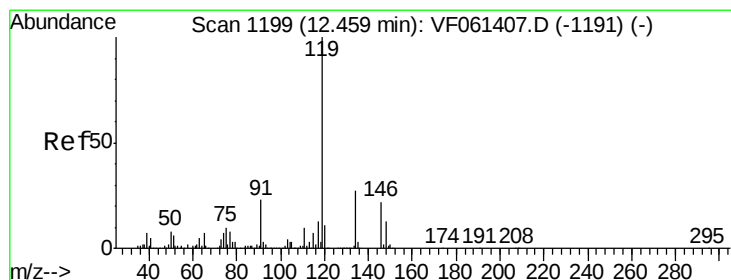
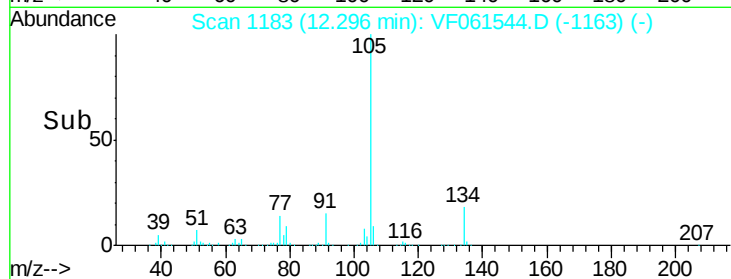
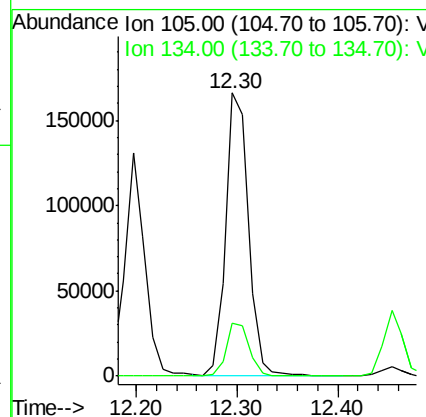
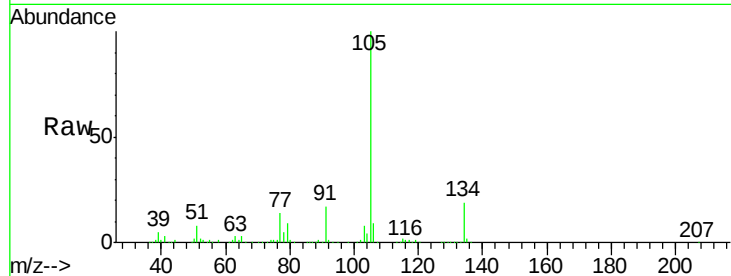
#85
 sec-Butylbenzene
 Concen: 18.906 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.0	30.0

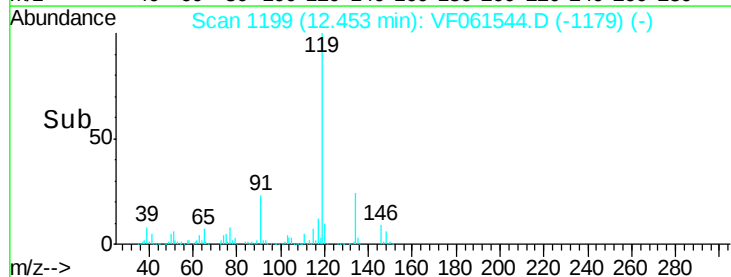
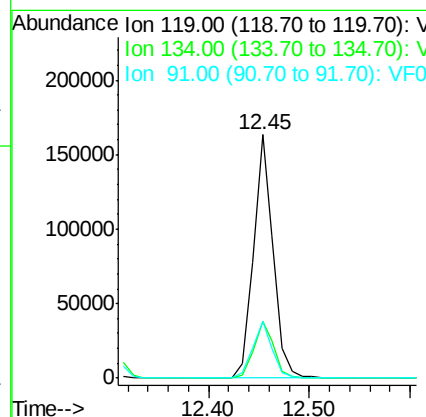
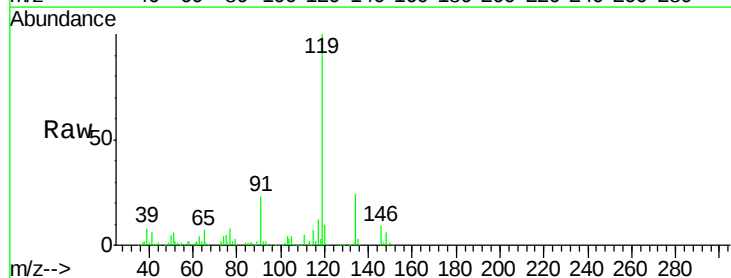
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#86
 p-Isopropyltoluene
 Concen: 19.491 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	13.4	40.2
91	23.2	11.4	34.2





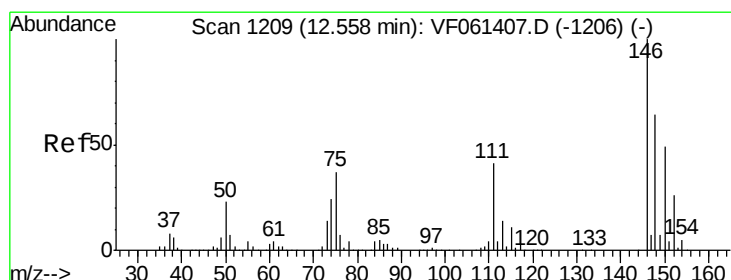
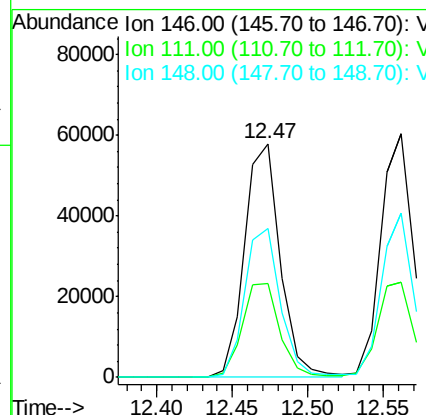
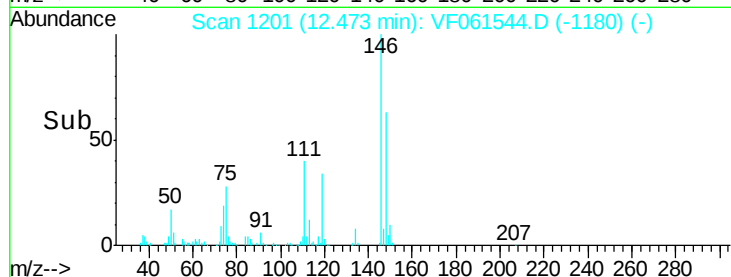
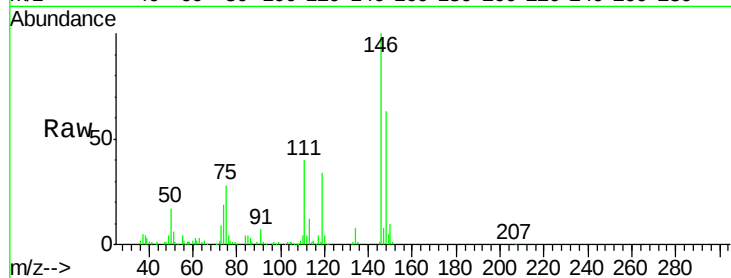
#87
 1,3-Dichlorobenzene
 Concen: 17.564 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	63.4	32.9	98.6

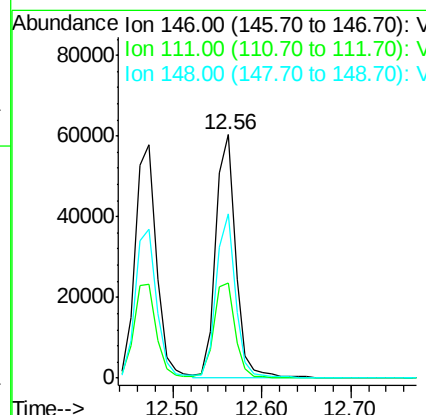
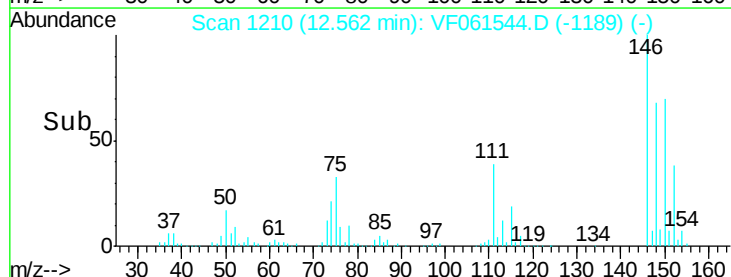
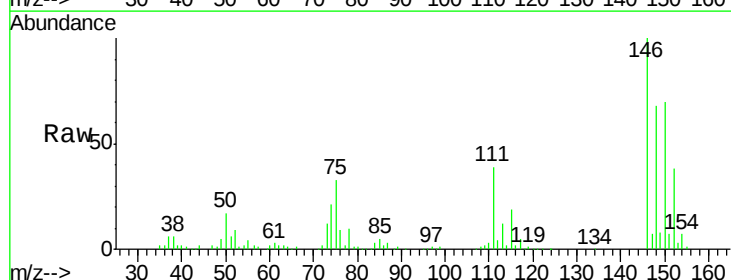
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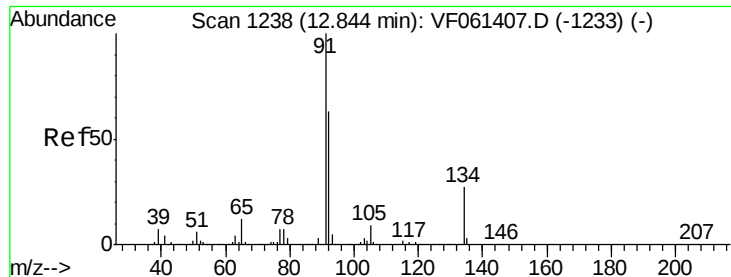
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#88
 1,4-Dichlorobenzene
 Concen: 19.497 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	67.6	32.1	96.5





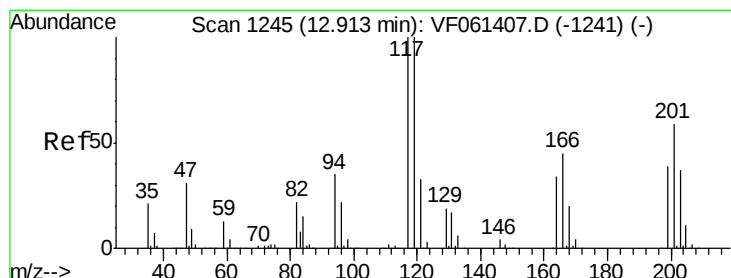
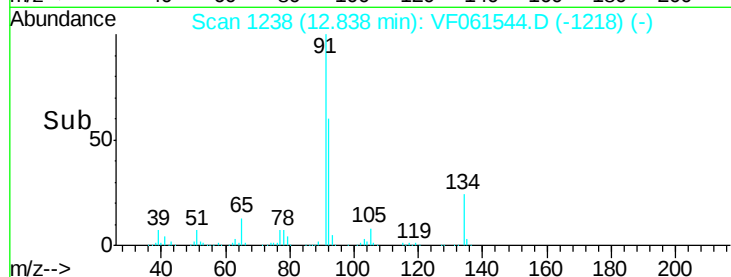
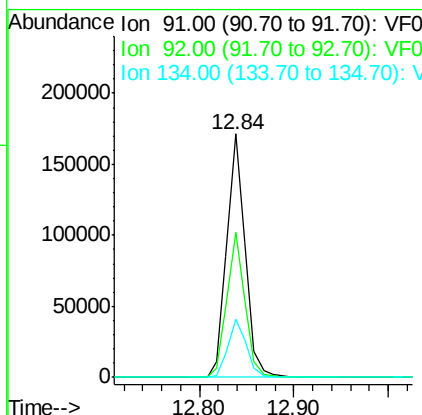
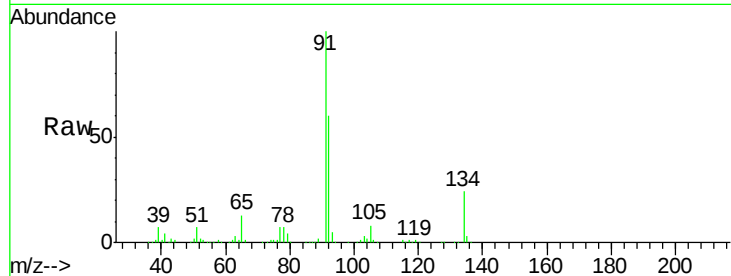
#89
n-Butylbenzene
Concen: 19.796 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Instrument :
MSVOA_F
ClientSampleId :
VF0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	231629		
92	59.6		31.6	94.7
134	23.7		13.6	40.8

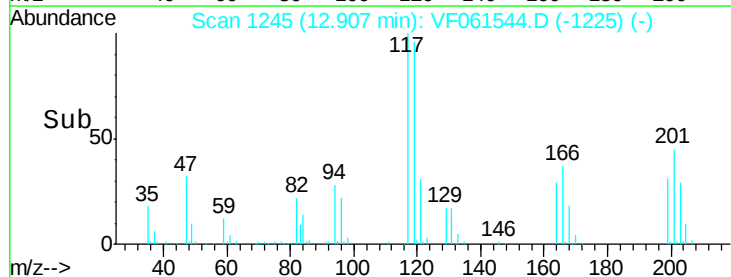
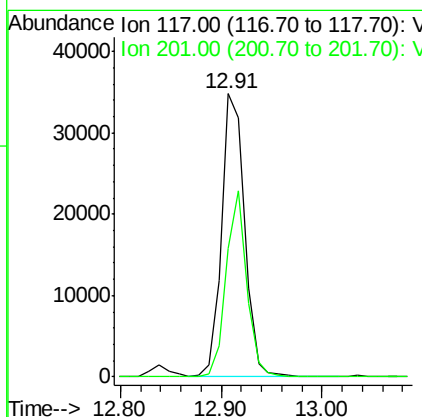
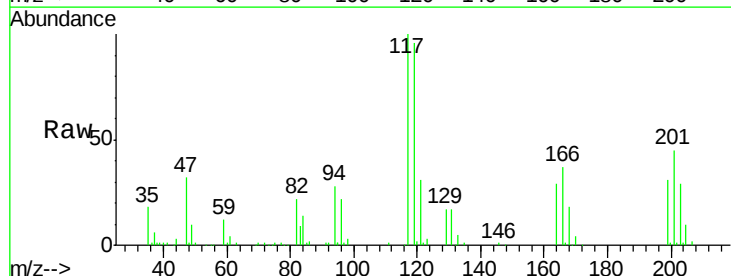
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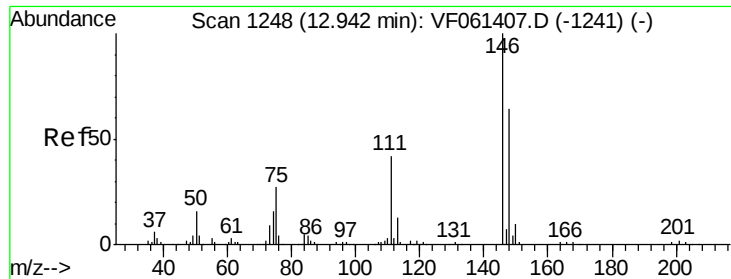
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#90
Hexachloroethane
Concen: 20.877 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061544.D
Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55834		
201	46.6		29.3	87.8





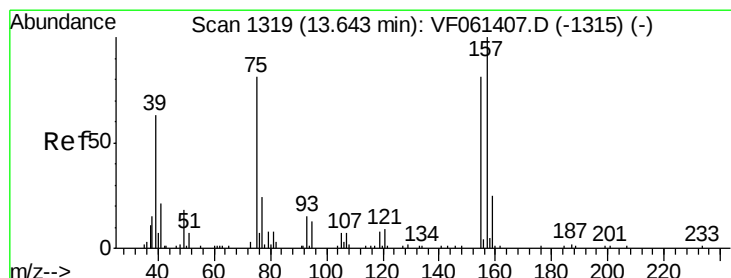
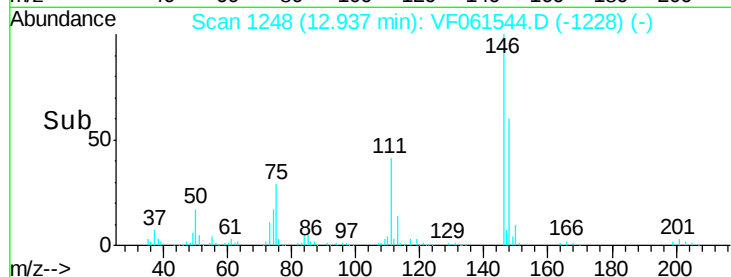
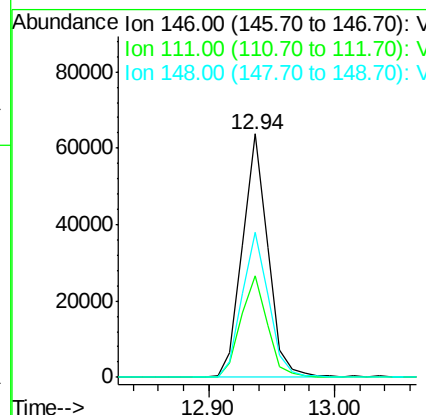
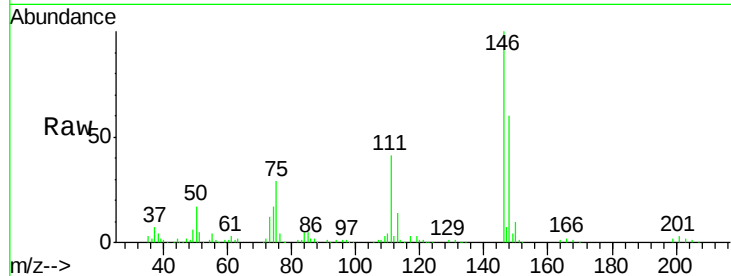
#91
 1,2-Dichlorobenzene
 Concen: 18.557 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.3
148	59.7	31.9	95.7

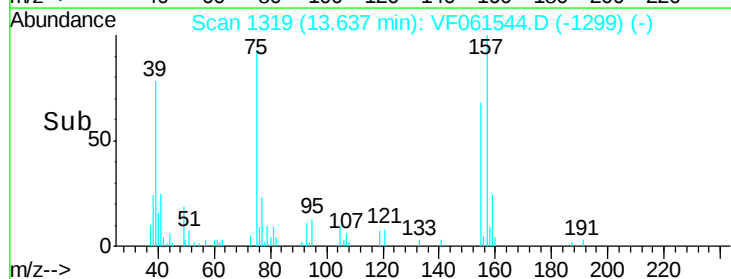
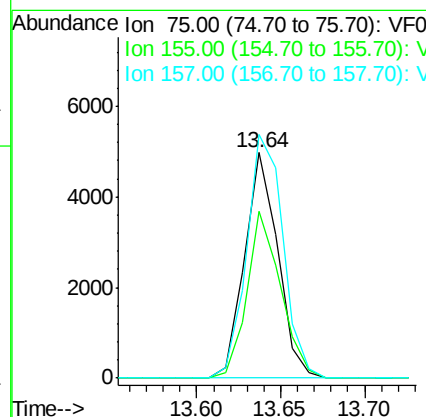
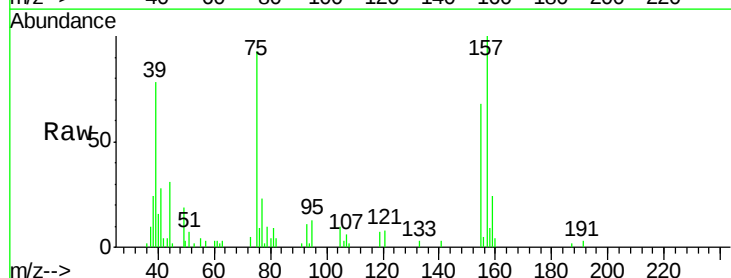
Manual Integrations
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 2/11/2019 12:35:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.704 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	49.7	149.1
157	108.0	61.4	184.1





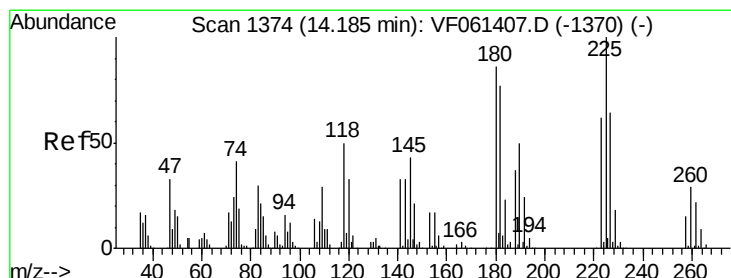
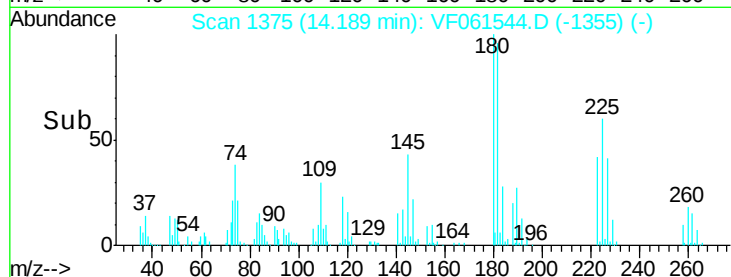
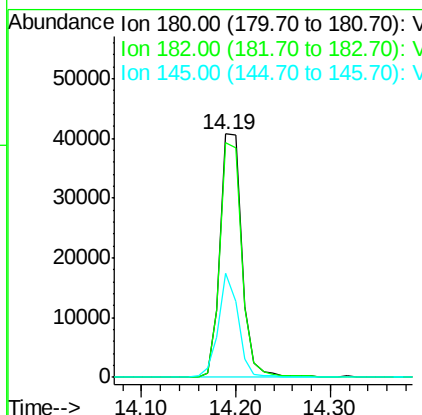
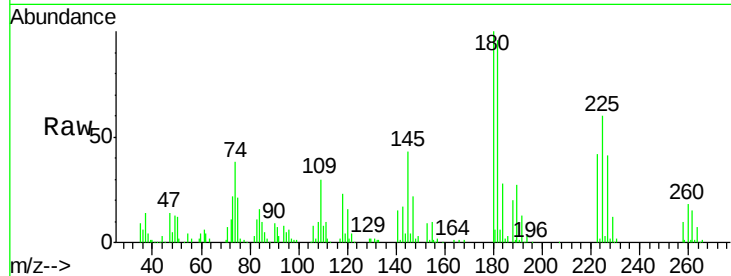
#93
 1,2,4-Trichlorobenzene
 Concen: 19.434 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65535		
182	96.4	48.5	145.6	
145	42.7	17.5	52.6	

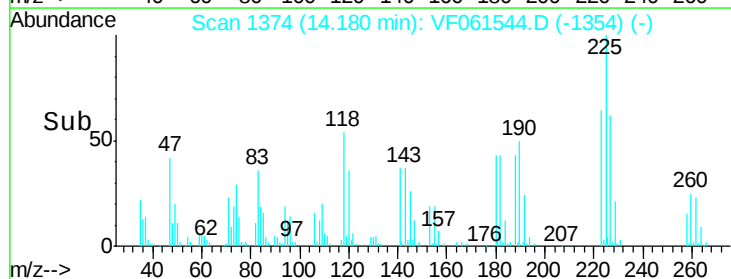
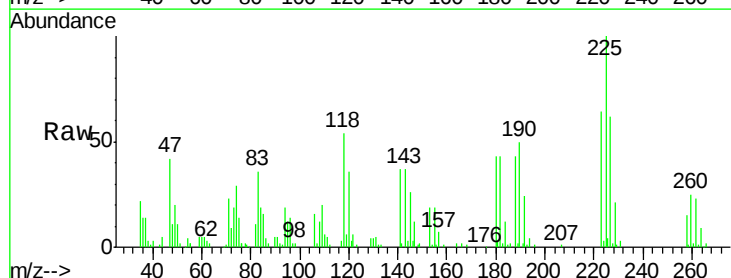
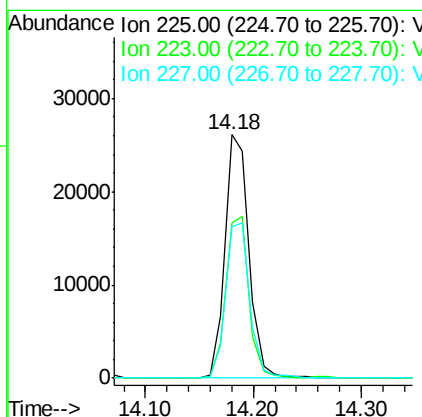
Manual Integrations
 APPROVED

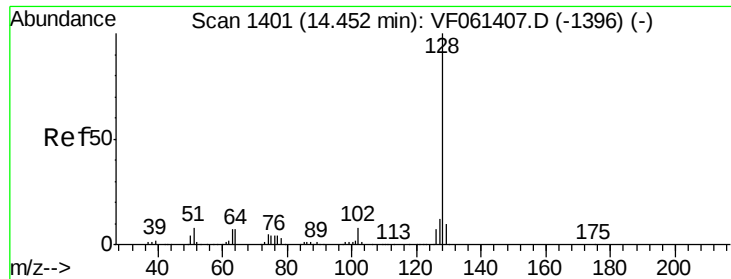
MMDadoda
 2/11/2019 12:35:51 PM



#94
 Hexachlorobutadiene
 Concen: 19.275 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061544.D
 Acq: 7 Feb 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40333		
223	63.6	31.1	93.2	
227	62.1	32.2	96.6	





#95

Naphthalene

Concen: 17.020 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Instrument :

MSVOA_F

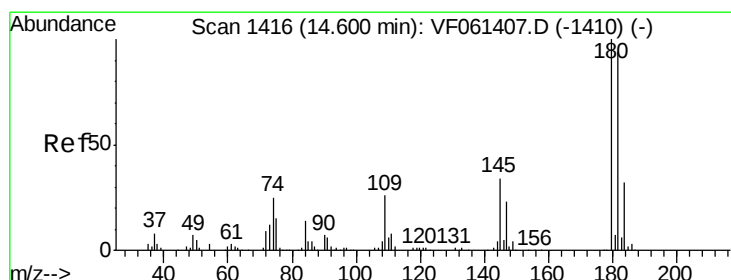
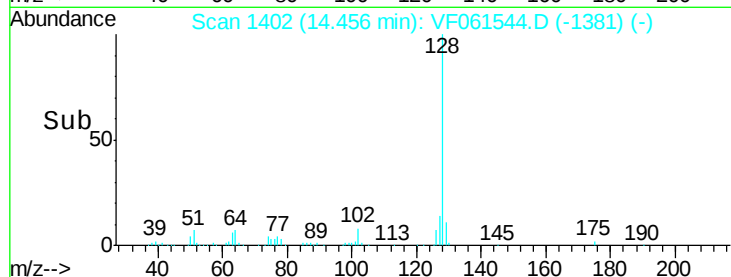
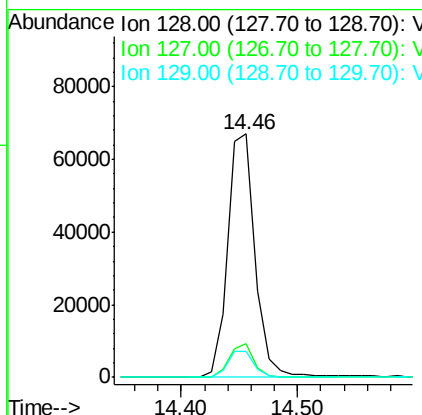
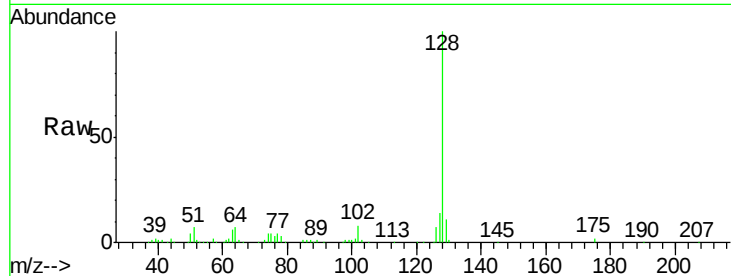
ClientSampleId :

VF0207SBS01

Tot Ion:	128	Resp:	109044
Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.5	14.3
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:35:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.023 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061544.D

Acq: 7 Feb 2019 14:49

Tgt Ion:	180	Resp:	56262
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.0	141.2
145	36.1	17.1	51.2

