

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061553.D
 Acq On : 7 Feb 2019 19:08
 Operator : VA/AP
 Sample : K1404-04MSD
 Misc : 5.96g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:36:33 PM

Quant Time: Feb 09 05:00:46 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	163676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	280864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	265708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	130728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	104774	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	4.11	113	110883	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.55	98	297879	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.41	95	132673	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	142361	44.267	ug/l	90
3) Chloromethane	1.09	50	104169	44.175	ug/l	93
4) Vinyl Chloride	1.14	62	105588	50.337	ug/l	99
5) Bromomethane	1.33	94	71593	52.340	ug/l	92
6) Chloroethane	1.38	64	47673	51.290	ug/l	90
7) Trichlorofluoromethane	1.49	101	195446	47.928	ug/l	100
8) Diethyl Ether	1.63	74	29687	56.815	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	89899	45.880	ug/l	94
10) Methyl Iodide	1.89	142	159437m	52.487	ug/l	
11) Tert butyl alcohol	2.57	59	26154	305.765	ug/l #	91
12) 1,1-Dichloroethene	1.78	96	74958	51.492	ug/l	90
13) Acrolein	2.00	56	12901	178.201	ug/l	99
14) Allyl chloride	2.09	41	118061	71.467	ug/l	97
15) Acrylonitrile	2.94	53	70259	320.669	ug/l	98
16) Acetone	2.24	43	107077	264.130	ug/l	100
17) Carbon Disulfide	1.82	76	213330	46.999	ug/l	99
18) Methyl Acetate	2.35	43	57068	70.984	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	178825	54.798	ug/l	96
20) Methylene Chloride	2.18	84	82252m	60.126	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	82155	51.294	ug/l	95
22) Diisopropyl ether	2.80	45	272378	52.578	ug/l	98
23) Vinyl Acetate	3.19	43	590300	258.945	ug/l	98
24) 1,1-Dichloroethane	2.87	63	167245	51.438	ug/l	97
25) 2-Butanone	4.33	43	180993	268.474	ug/l	98
26) 2,2-Dichloropropane	3.60	77	94646	47.379	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	117059	49.512	ug/l	89
28) Bromochloromethane	3.72	49	69054	47.248	ug/l	97
29) Tetrahydrofuran	4.06	42	84992	292.787	ug/l	96
30) Chloroform	3.86	83	225459	51.381	ug/l	99
31) Cyclohexane	3.69	56	152140m	46.843	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	164234	51.045	ug/l	97
36) 1,1-Dichloropropene	4.27	75	166901	51.252	ug/l	97
37) Ethyl Acetate	4.10	43	78660	60.428	ug/l	90
38) Carbon Tetrachloride	3.98	117	148232	52.067	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	150666	42.692	ug/l	95
40) Benzene	4.63	78	366891	50.632	ug/l	99
41) Methacrylonitrile	4.74	41	39348	56.808	ug/l	94
42) 1,2-Dichloroethane	4.94	62	142591	55.222	ug/l	96
43) Isopropyl Acetate	6.95	43	92666	56.720	ug/l #	91
44) Trichloroethene	5.50	130	110912	49.896	ug/l	99
45) 1,2-Dichloropropane	6.23	63	107660	56.610	ug/l	98
46) Dibromomethane	6.09	93	74239	58.707	ug/l	96
47) Bromodichloromethane	6.38	83	177838	56.839	ug/l	96
48) Methyl methacrylate	6.72	41	69991	63.798	ug/l	96
49) 1,4-Dioxane	6.70	88	9638	1277.841	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	355969	296.378	ug/l	99
52) Toluene	7.62	92	242555	50.830	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	137233	55.237	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177343	57.106	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	83534	61.645	ug/l	98
56) Ethyl methacrylate	8.62	69	91986	58.347	ug/l	95
57) 1,3-Dichloropropane	8.85	76	141481	55.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	62875	365.979	ug/l	98
59) 2-Hexanone	9.49	43	244416	291.831	ug/l	97
60) Dibromochloromethane	8.71	129	118254	59.692	ug/l	98
61) 1,2-Dibromoethane	8.99	107	87404	56.343	ug/l	93
64) Tetrachloroethene	8.15	164	95975	48.032	ug/l	99
65) Chlorobenzene	9.79	112	273399	50.598	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	116372	54.063	ug/l	98
67) Ethyl Benzene	9.89	91	494528	50.093	ug/l	99
68) m/p-Xylenes	10.13	106	329268	92.733	ug/l	99
69) o-Xylene	10.71	106	194229	50.471	ug/l	98
70) Styrene	10.79	104	254015	48.221	ug/l	99
71) Bromoform	10.77	173	61528	63.618	ug/l #	100
73) Isopropylbenzene	11.12	105	544738	51.234	ug/l	99
74) N-amyl acetate	11.36	43	152539	60.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	107318	56.658	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	78063	57.356	ug/l	99
77) Bromobenzene	11.49	156	124543	55.464	ug/l	96
78) n-propylbenzene	11.59	91	599372	45.810	ug/l	98
79) 2-Chlorotoluene	11.72	91	375009	50.834	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	437093	50.941	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	35601m	60.173	ug/l	
82) 4-Chlorotoluene	11.90	91	373034	50.110	ug/l	100
83) tert-Butylbenzene	12.12	119	463876	52.232	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	435823	49.311	ug/l	95
85) sec-Butylbenzene	12.30	105	575310	47.702	ug/l	95
86) p-Isopropyltoluene	12.46	119	473503	47.826	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	216127	48.233	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	211599	49.868	ug/l	96
89) n-Butylbenzene	12.84	91	474857	46.507	ug/l	98
90) Hexachloroethane	12.91	117	120496	51.631	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	209910	49.972	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21791	64.862	ug/l	82

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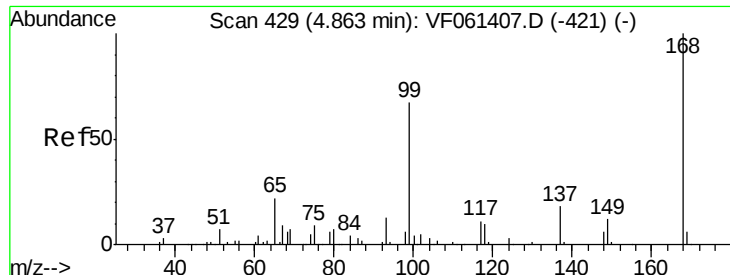
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	149011	50.640	ug/l	98
94) Hexachlorobutadiene	14.18	225	81059	44.393	ug/l	96
95) Naphthalene	14.45	128	319597	57.166	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	139145	51.082	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:168 Resp: 163676

Ion Ratio Lower Upper

168 100

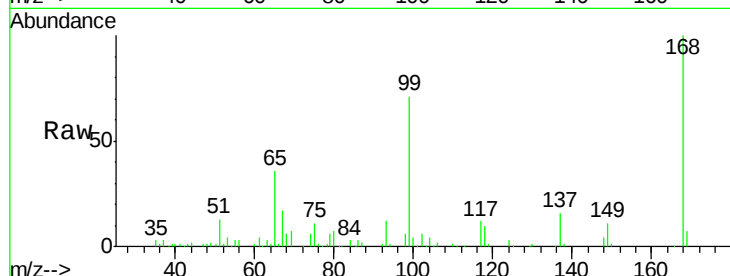
99 71.1 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

50000

40000

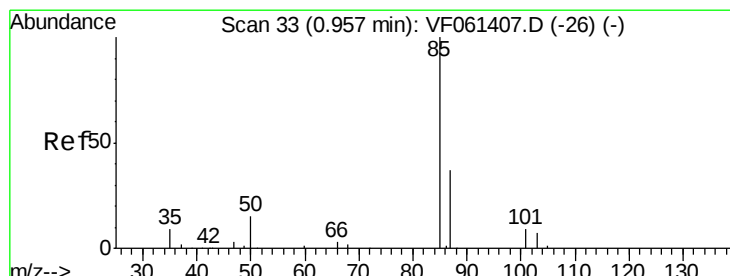
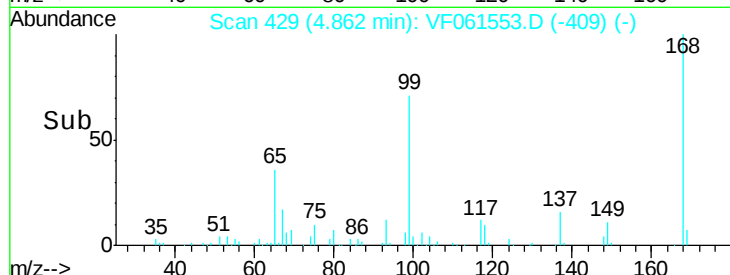
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 44.267 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061553.D

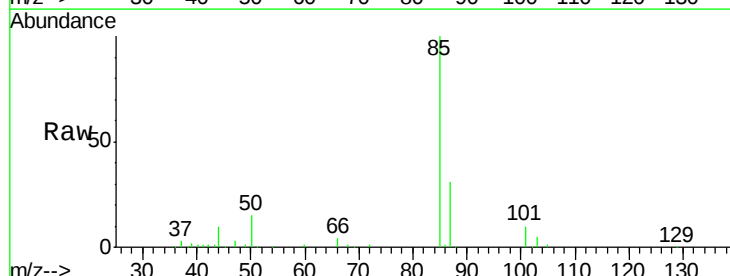
Acq: 7 Feb 2019 19:08

Tgt Ion: 85 Resp: 142361

Ion Ratio Lower Upper

85 100

87 30.8 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

40000

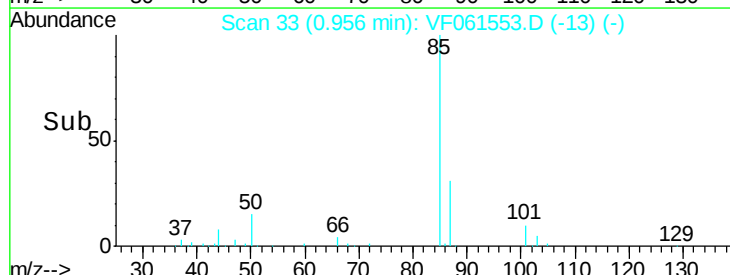
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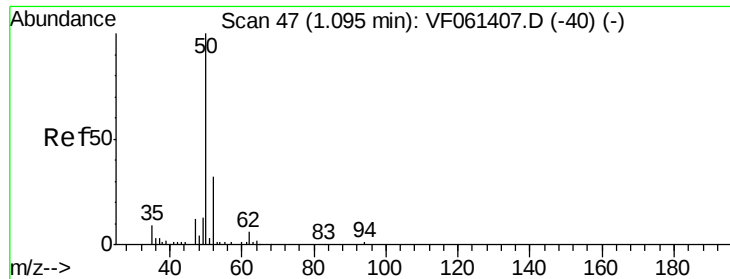
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.175 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 50 Resp: 104169

Ion Ratio Lower Upper

50 100

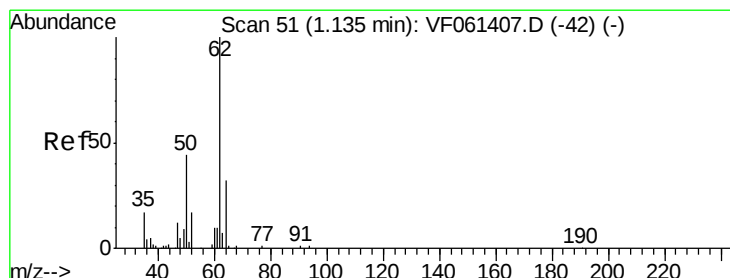
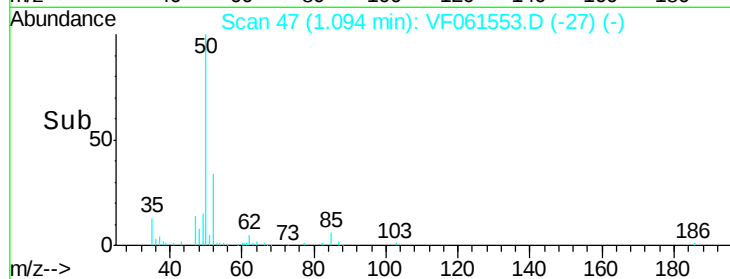
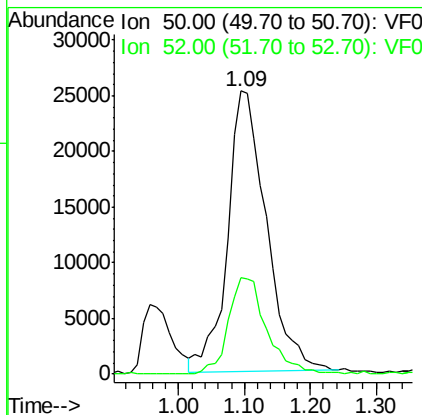
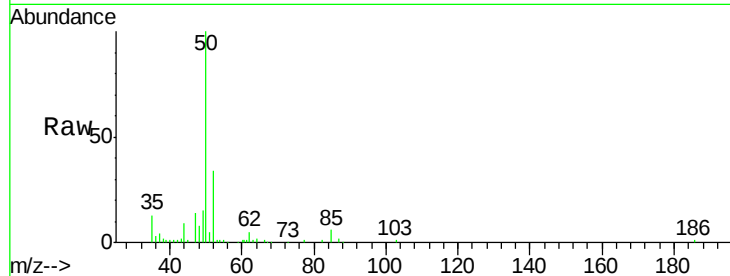
52 34.3 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.337 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061553.D

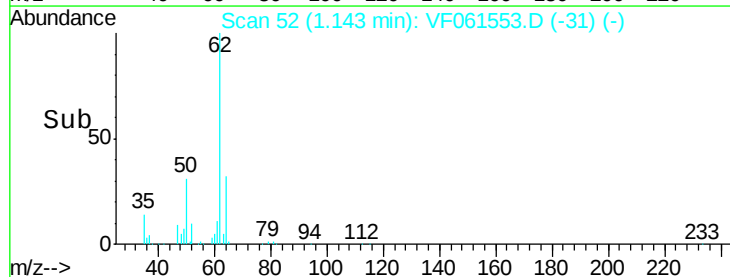
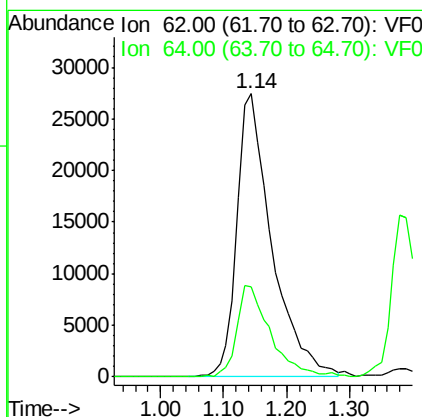
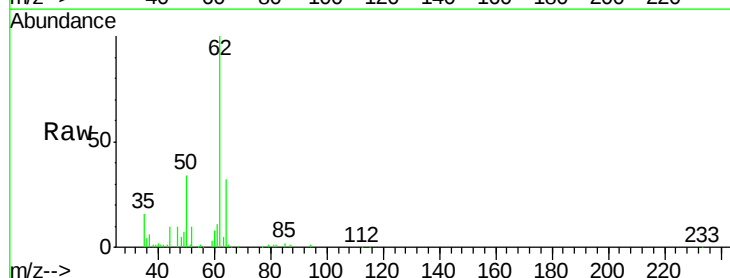
Acq: 7 Feb 2019 19:08

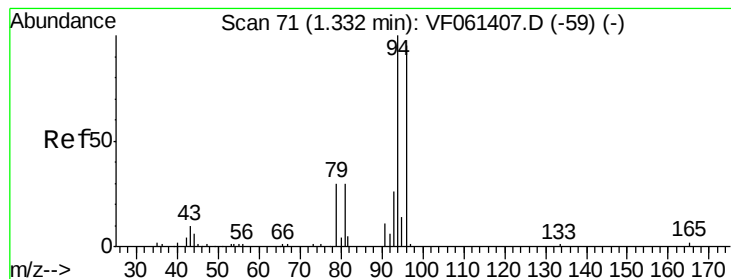
Tgt Ion: 62 Resp: 105588

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 52.340 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF061553.D

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Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 94 Resp: 71593

Ion Ratio Lower Upper

94 100

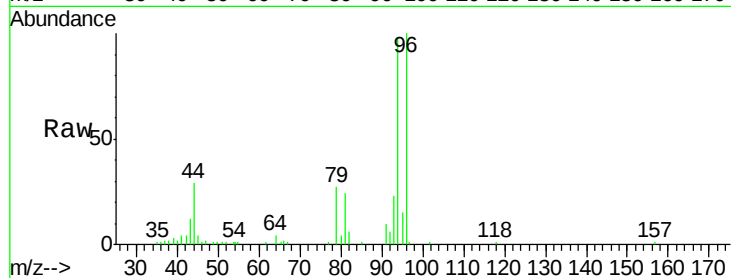
96 103.0 76.0 114.0

Manual Integrations

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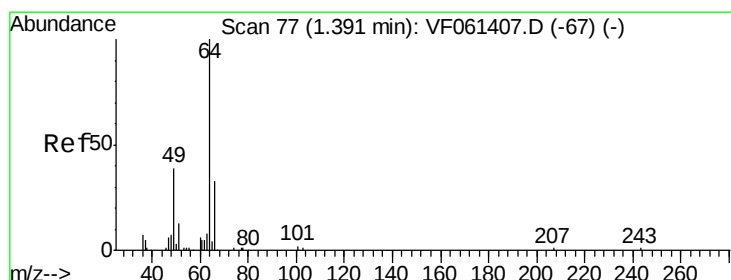
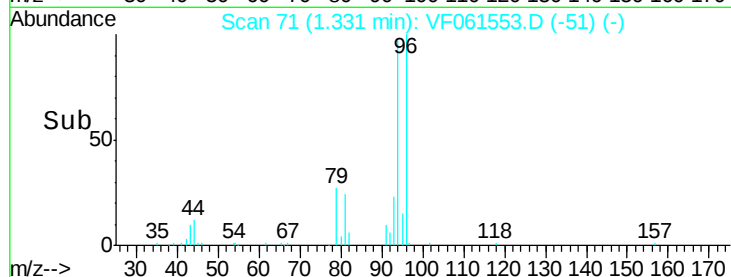
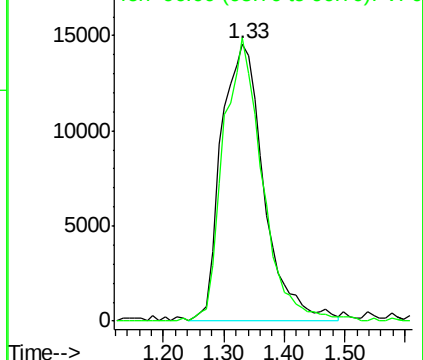
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 51.290 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061553.D

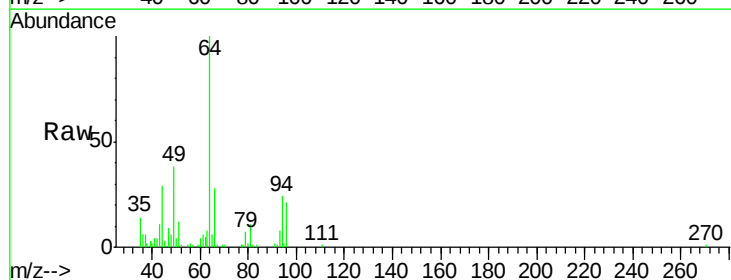
Acq: 7 Feb 2019 19:08

Tgt Ion: 64 Resp: 47673

Ion Ratio Lower Upper

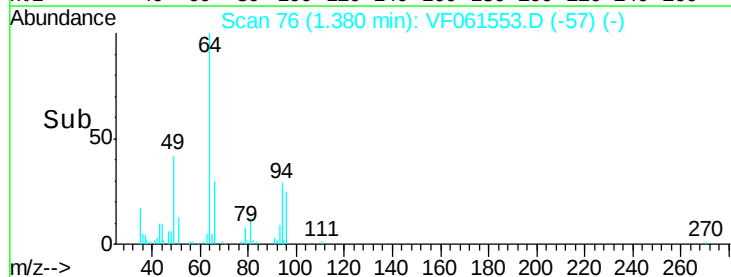
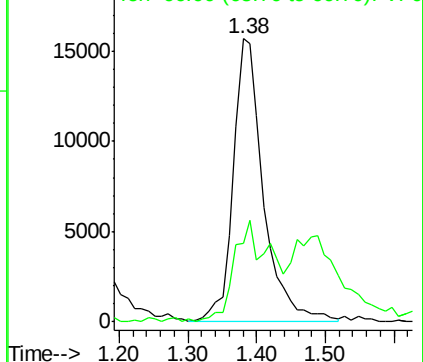
64 100

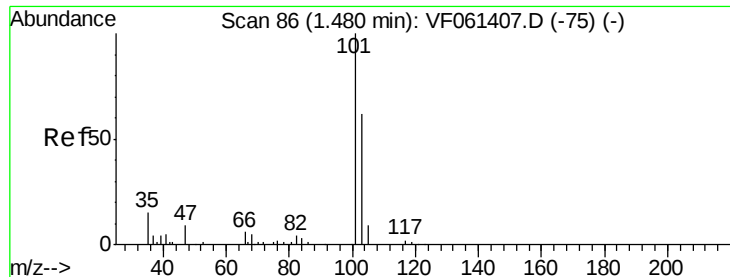
66 27.6 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 47.928 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

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Acq: 7 Feb 2019 19:08

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ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:101 Resp: 195446

Ion Ratio Lower Upper

101 100

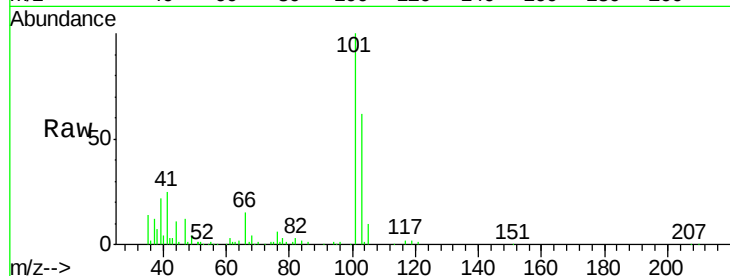
103 61.8 49.7 74.5

Manual Integrations

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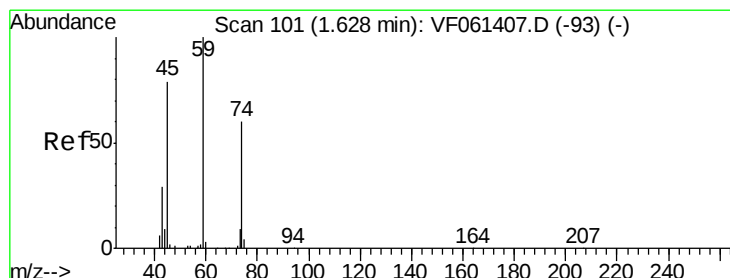
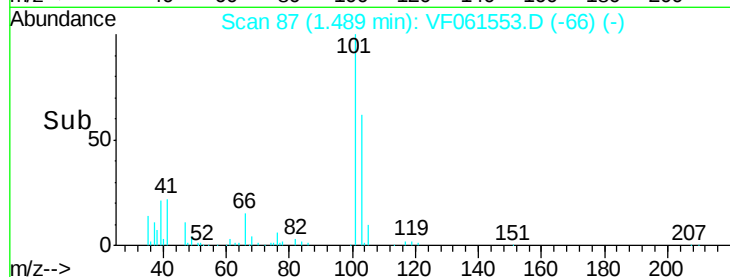
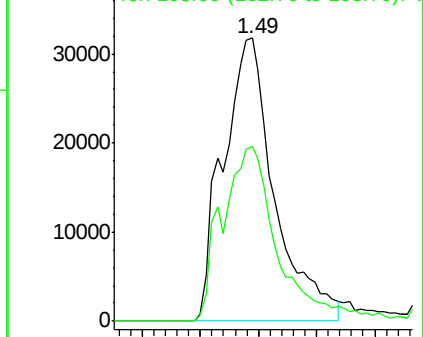
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 56.815 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061553.D

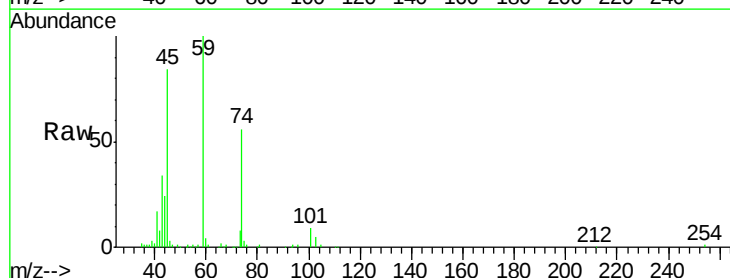
Acq: 7 Feb 2019 19:08

Tgt Ion: 74 Resp: 29687

Ion Ratio Lower Upper

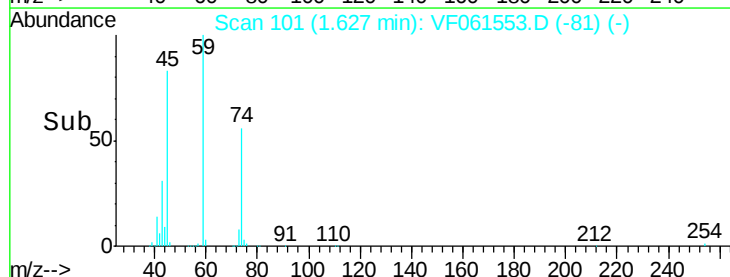
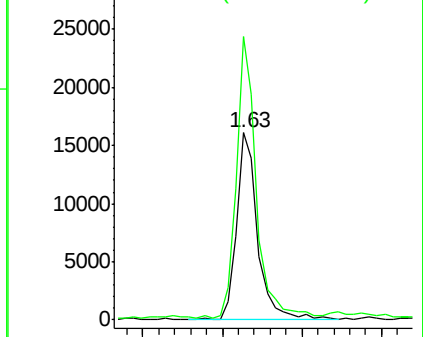
74 100

45 151.2 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.880 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

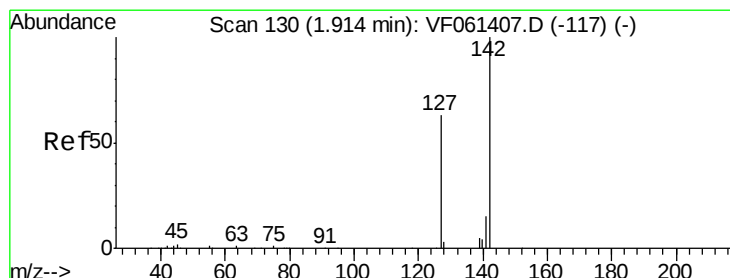
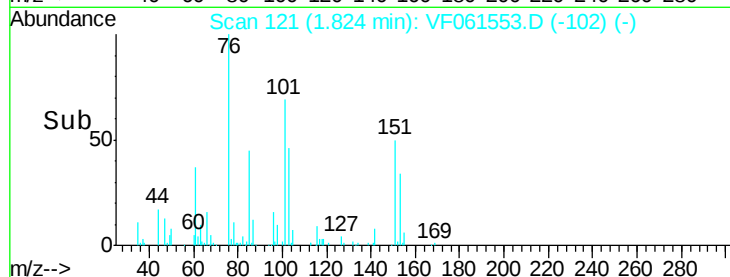
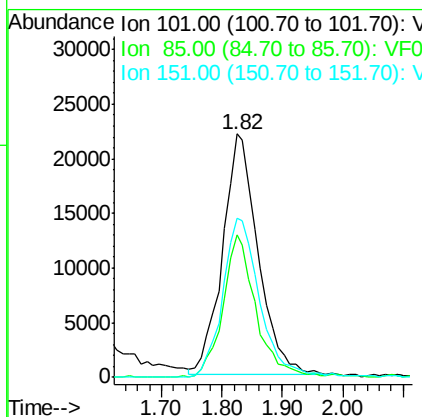
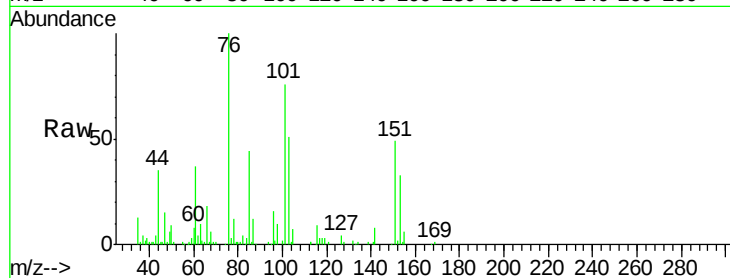
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	101	Resp:	89899
Ion Ratio	Lower	Upper	
101	100		
85	58.4	41.9	62.9
151	65.5	55.1	82.7

Manual Integrations
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MMDadoda
2/11/2019 12:36:33 PM



#10

Methyl Iodide

Concen: 52.487 ug/l m

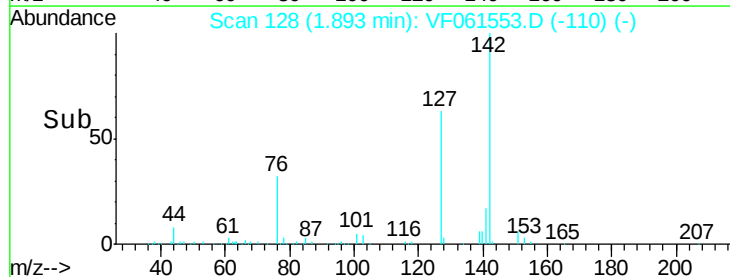
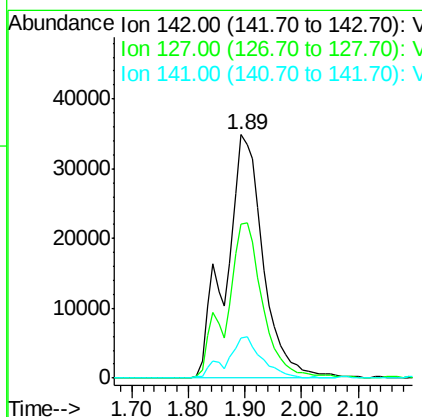
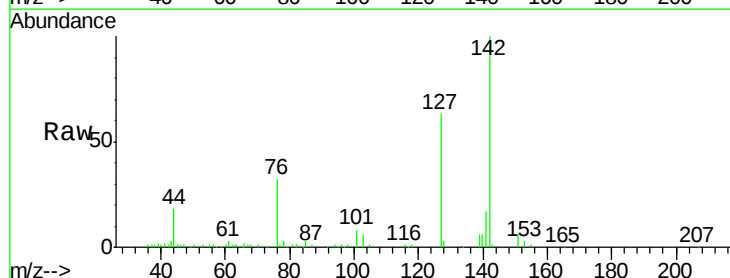
RT: 1.89 min Scan# 128

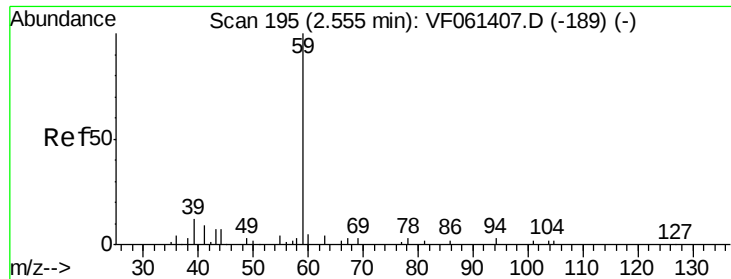
Delta R.T. -0.02 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	142	Resp:	159437
Ion Ratio	Lower	Upper	
142	100		
127	63.0	50.7	76.1
141	16.7	11.8	17.6





#11

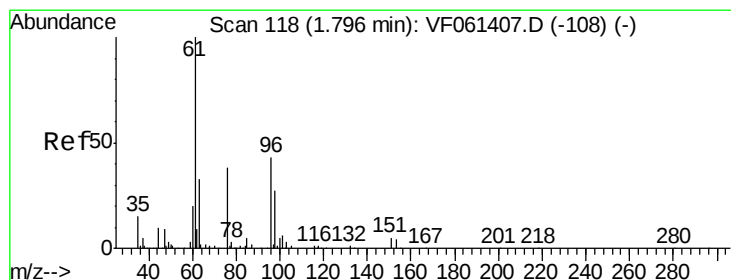
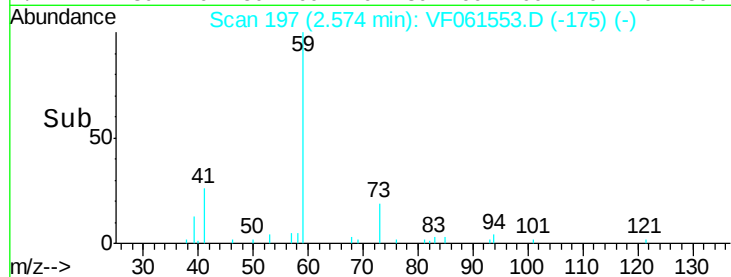
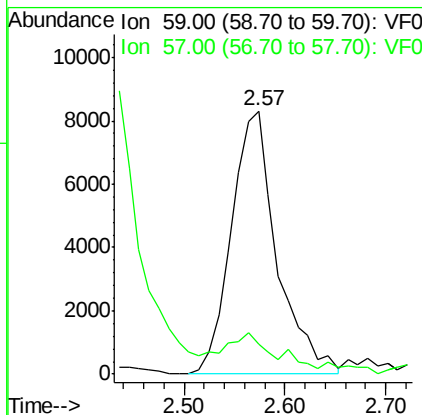
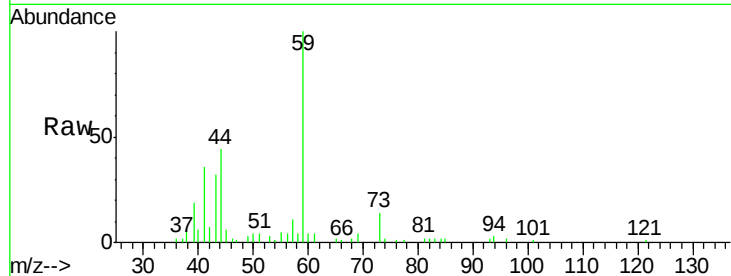
Tert butyl alcohol
Concen: 305.765 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	59	Resp	26154
Ion Ratio	100	Lower	Upper
59	100		
57	11.3	11.9	17.9#

Manual Integrations
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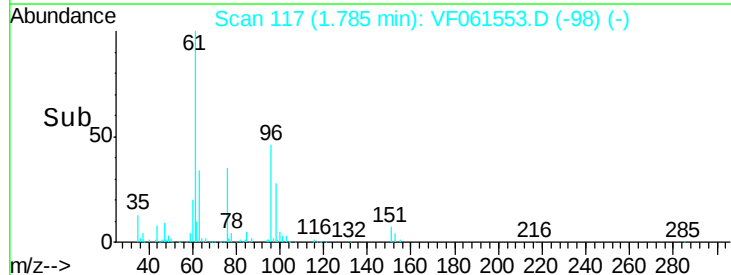
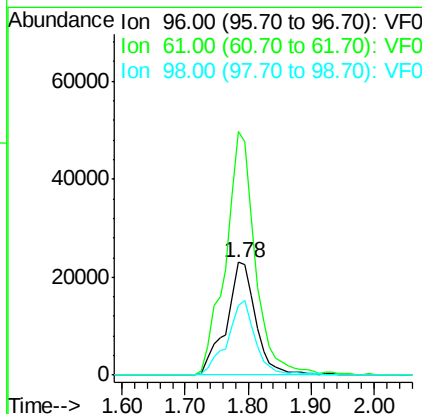
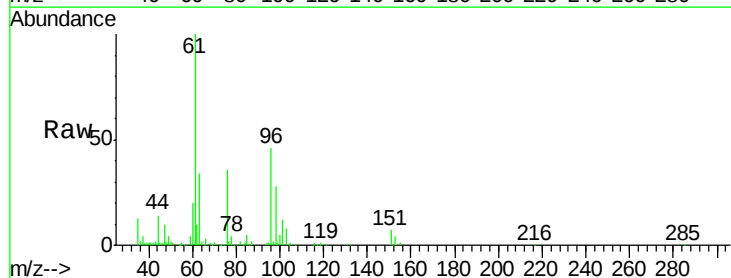
MMDadoda
2/11/2019 12:36:33 PM

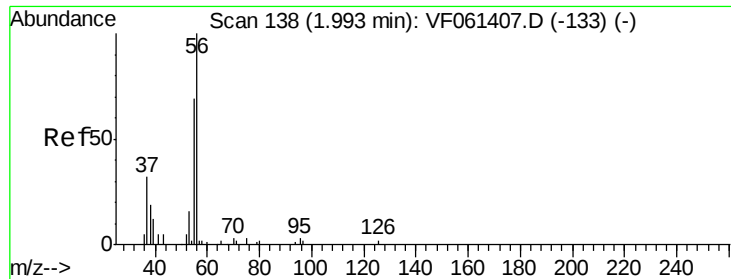


#12

1,1-Dichloroethene
Concen: 51.492 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	96	Resp	74958
Ion Ratio	100	Lower	Upper
96	100		
61	216.1	186.9	280.3
98	61.4	53.0	79.4





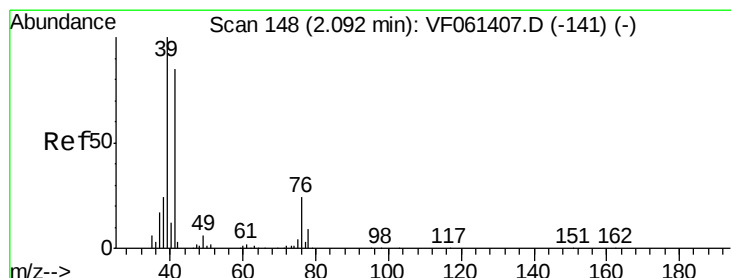
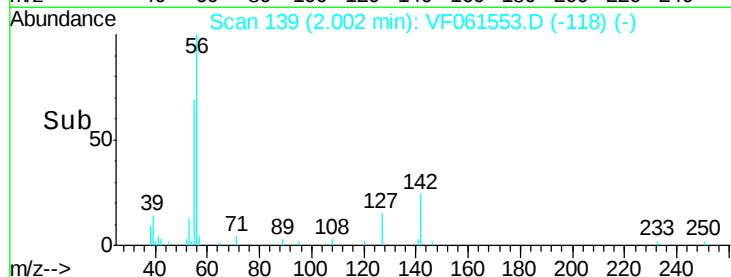
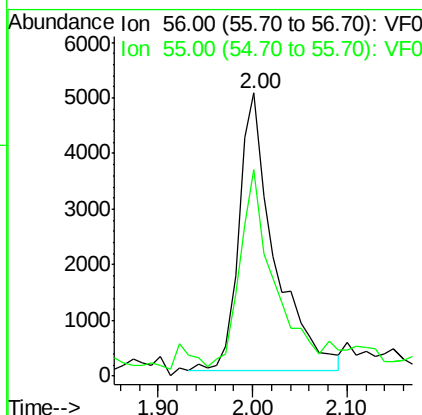
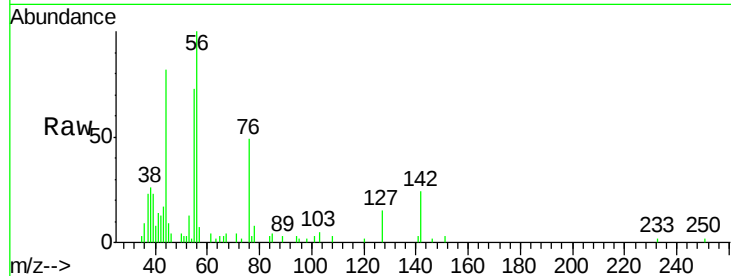
#13
Acrolein
Concen: 178.201 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.5	86.3

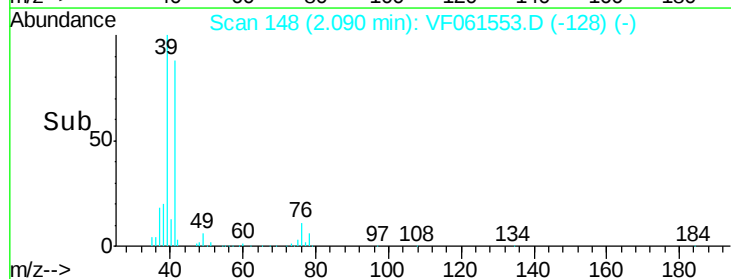
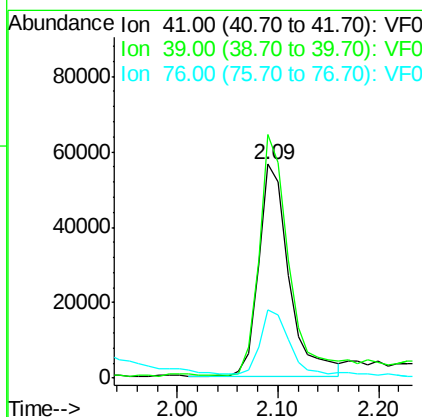
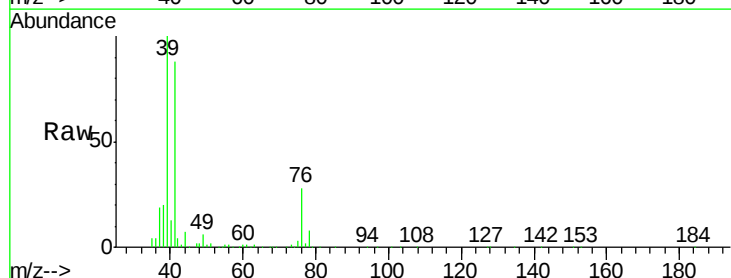
Manual Integrations
APPROVED

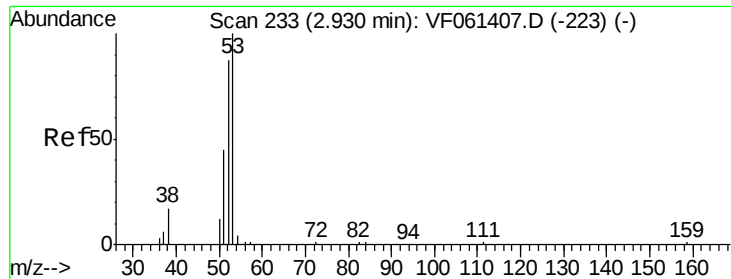
MMDadoda
2/11/2019 12:36:33 PM



#14
Allyl chloride
Concen: 71.467 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.0	94.6	141.8
76	31.8	25.9	38.9





#15

Acrylonitrile

Concen: 320.669 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

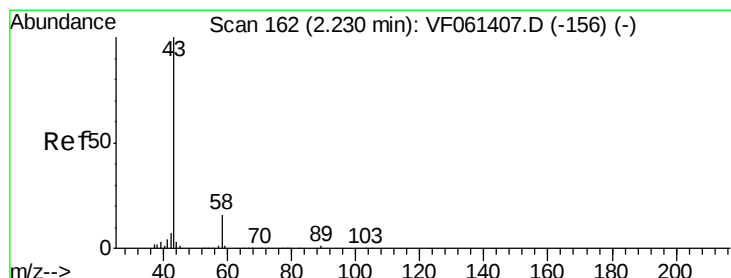
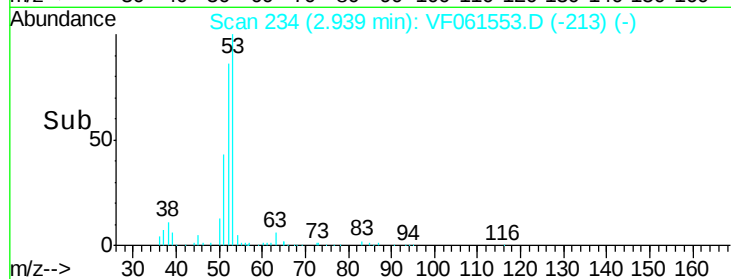
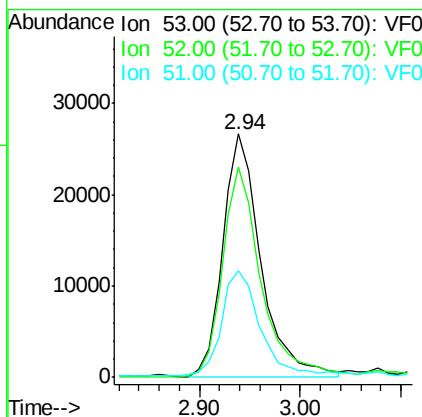
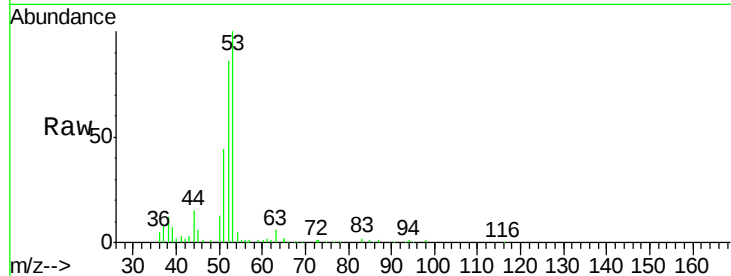
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	53	Resp:	70259
Ion	Ratio	Lower	Upper
53	100		
52	86.1	69.6	104.4
51	43.6	36.8	55.2

Manual Integrations
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2/11/2019 12:36:33 PM



#16

Acetone

Concen: 264.130 ug/l

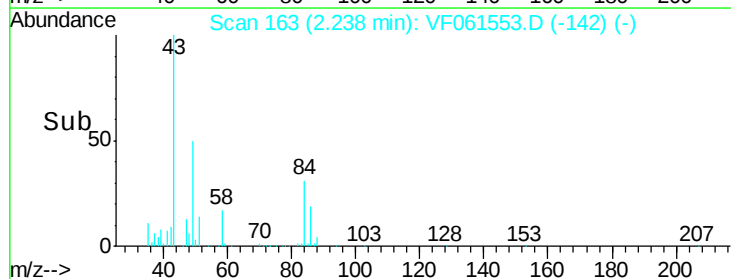
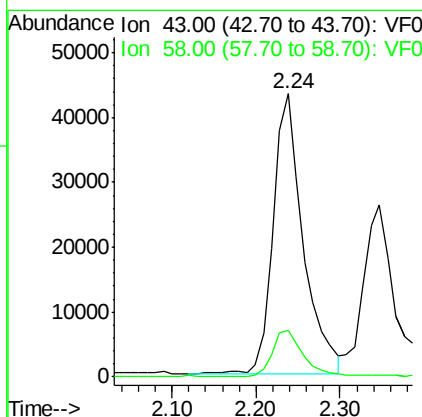
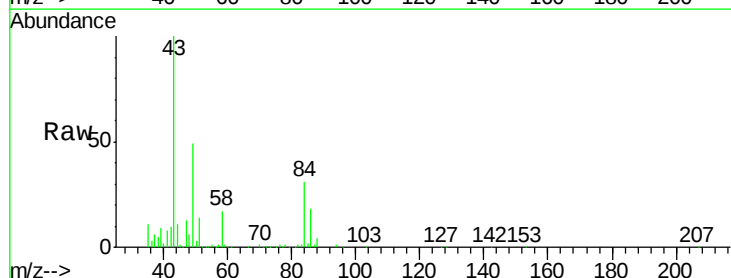
RT: 2.24 min Scan# 163

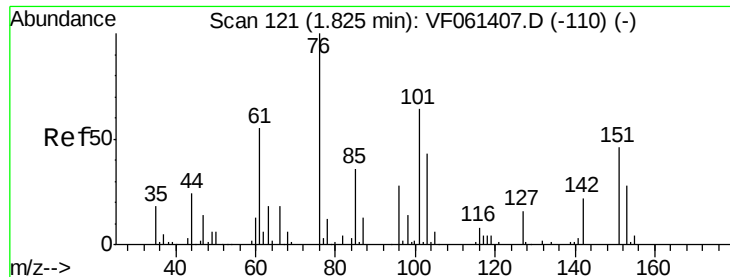
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	43	Resp:	107077
Ion	Ratio	Lower	Upper
43	100		
58	16.6	13.3	19.9





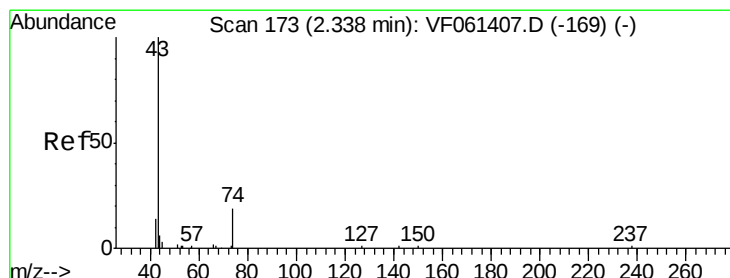
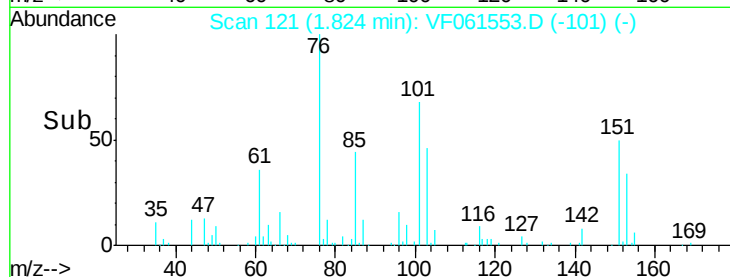
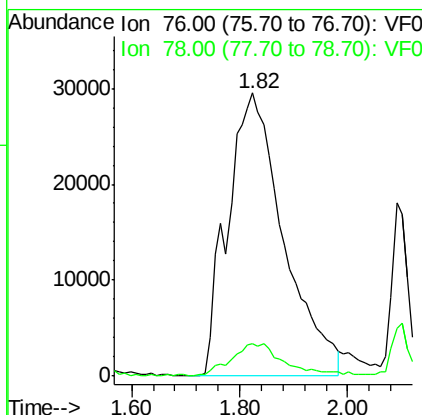
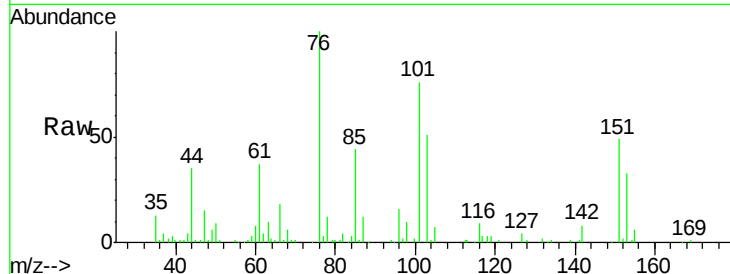
#17
Carbon Disulfide
Concen: 46.999 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion: 76 Resp: 213330
Ion Ratio Lower Upper
76 100
78 11.7 9.6 14.4

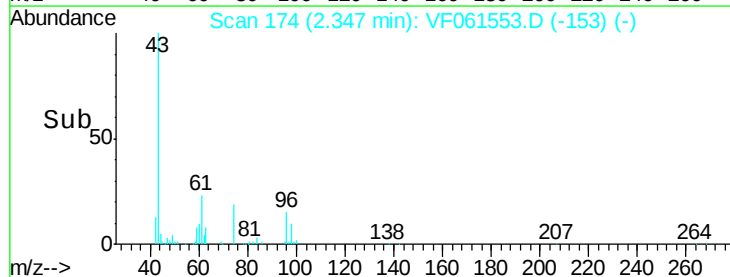
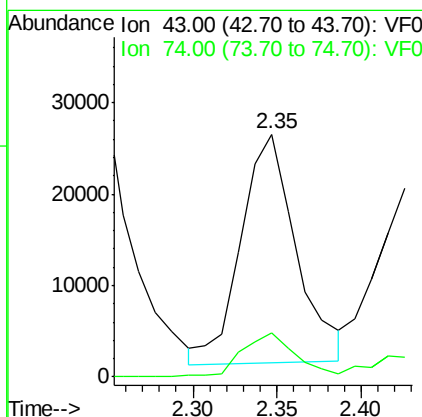
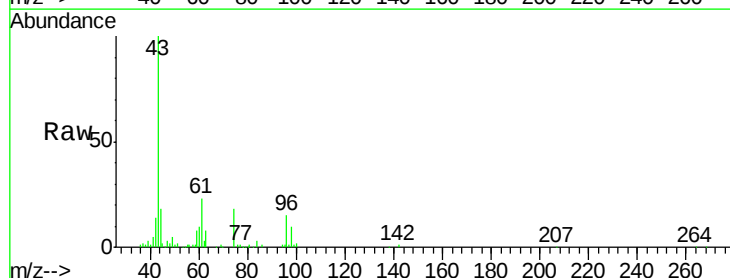
Manual Integrations
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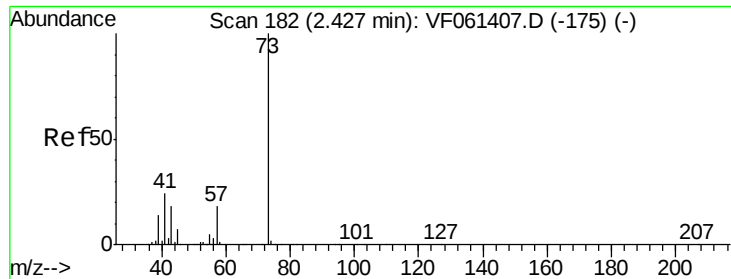
MMDadoda
2/11/2019 12:36:33 PM



#18
Methyl Acetate
Concen: 70.984 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion: 43 Resp: 57068
Ion Ratio Lower Upper
43 100
74 18.3 13.4 20.0





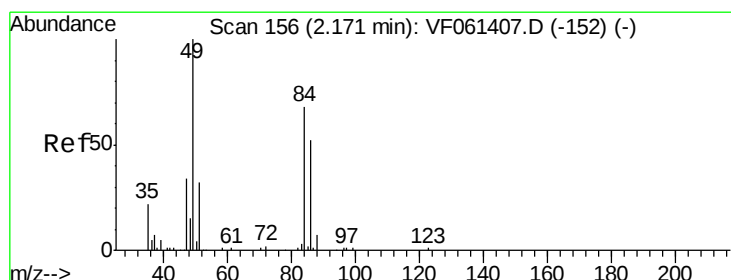
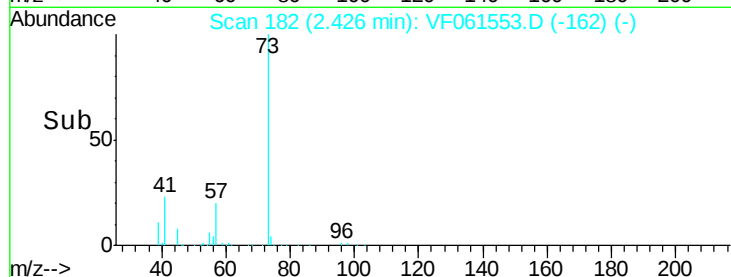
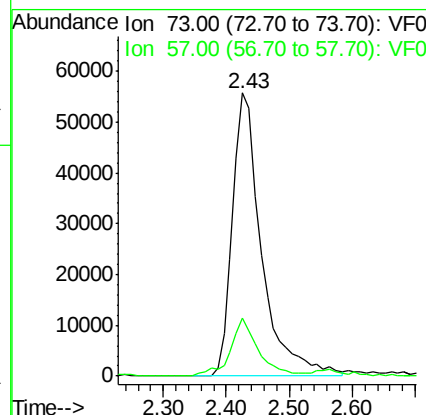
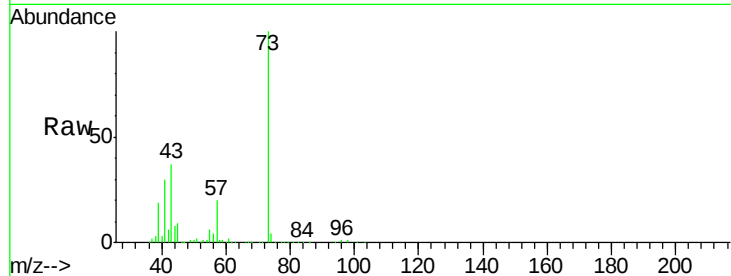
#19
Methvl tert-butvl Ether
Concen: 54.798 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion: 73 Resp: 178825
Ion Ratio Lower Upper
73 100
57 20.4 14.8 22.2

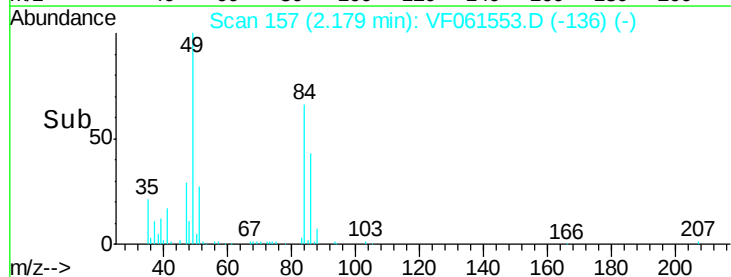
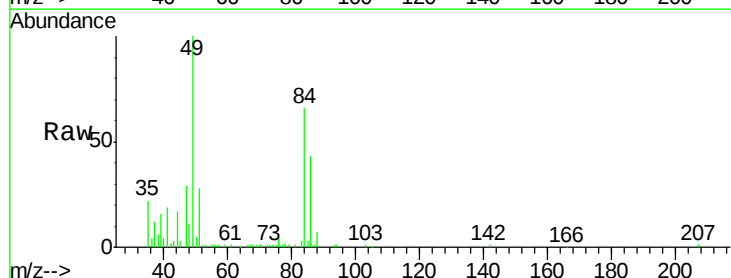
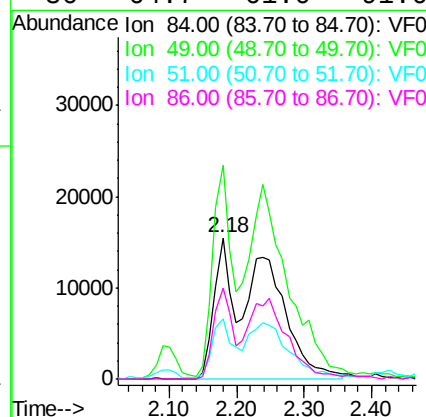
Manual Integrations
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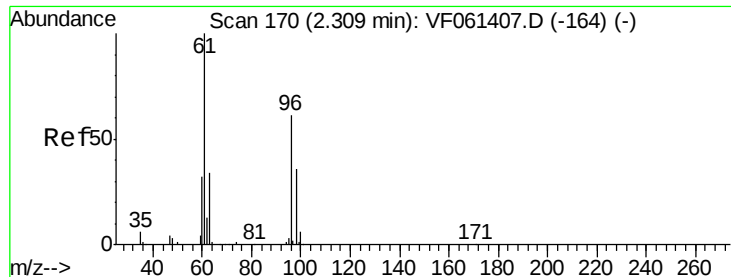
MMDadoda
2/11/2019 12:36:33 PM



#20
Methylene Chloride
Concen: 60.126 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion: 84 Resp: 82252
Ion Ratio Lower Upper
84 100
49 151.5 120.0 180.0
51 42.4 38.6 58.0
86 64.7 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 51.294 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

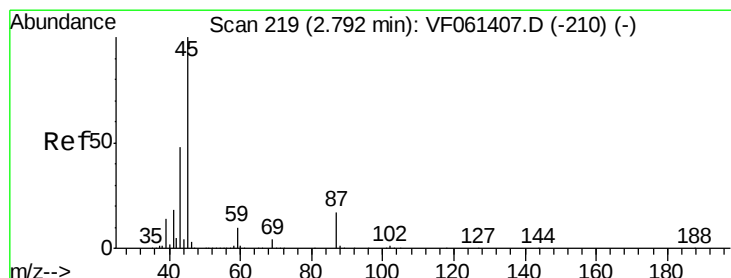
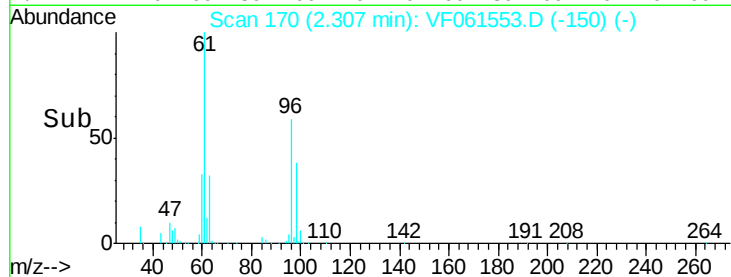
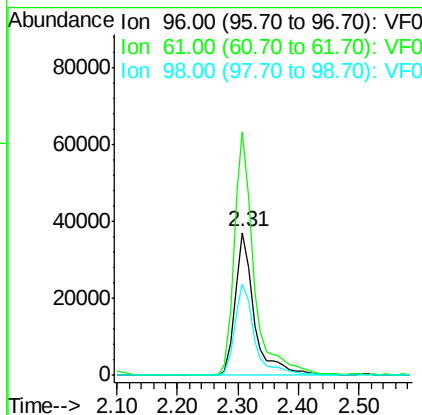
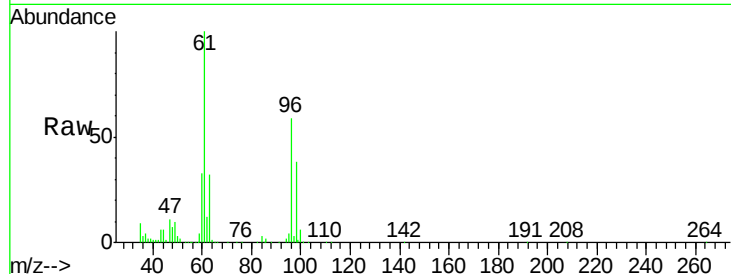
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	96	Resp:	82155
Ion	Ratio	Lower	Upper
96	100		
61	170.6	131.8	197.8
98	64.0	47.4	71.0

Manual Integrations
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MMDadoda
2/11/2019 12:36:33 PM



#22

Diisopropyl ether

Concen: 52.578 ug/l

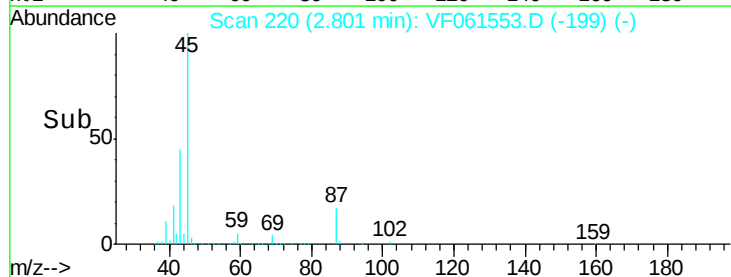
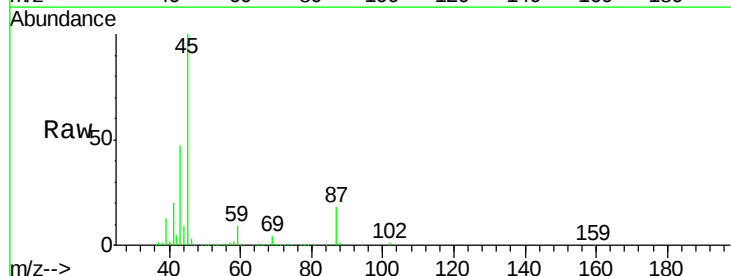
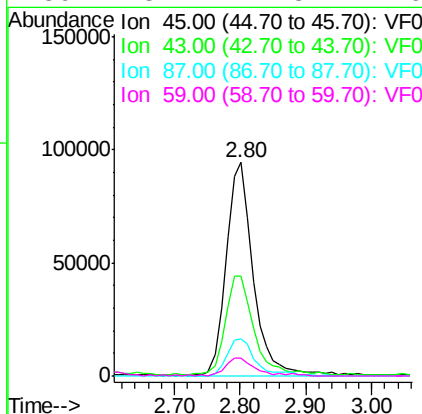
RT: 2.80 min Scan# 220

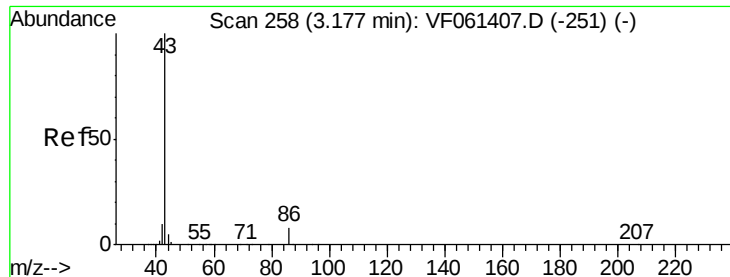
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	45	Resp:	272378
Ion	Ratio	Lower	Upper
45	100		
43	47.0	39.0	58.6
87	17.5	13.9	20.9
59	8.7	7.8	11.6





#23

Vinyl Acetate

Concen: 258.945 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 43 Resp: 590300

Ion Ratio Lower Upper

43 100

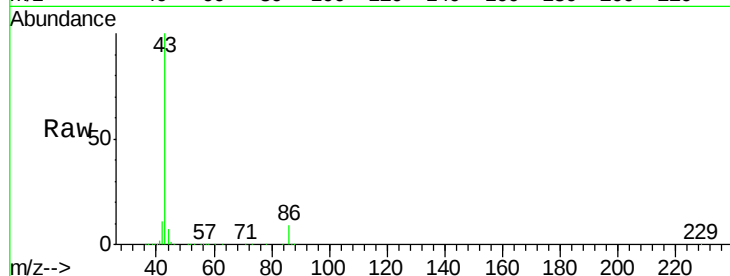
86 8.6 6.2 9.4

Manual Integrations

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MMDadoda

2/11/2019 12:36:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

100000

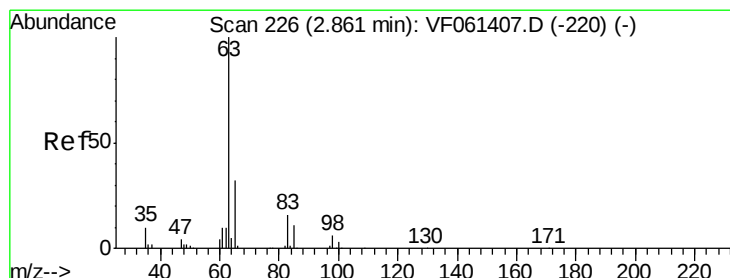
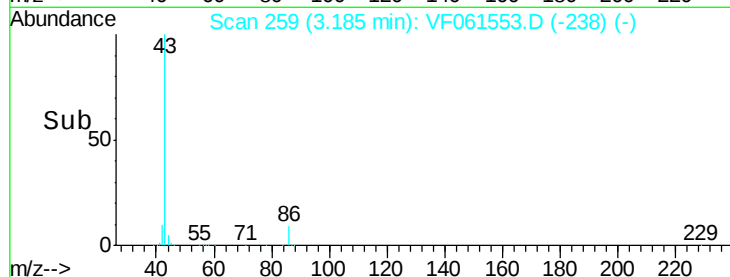
50000

0

3.19

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 51.438 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

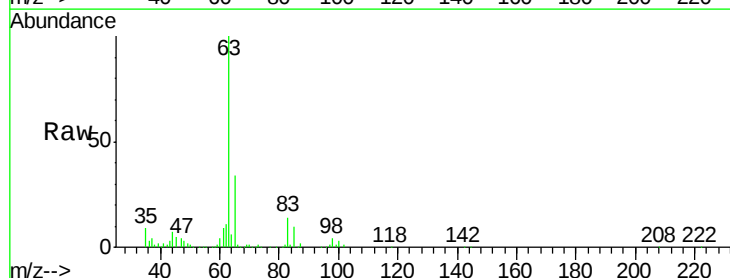
Tgt Ion: 63 Resp: 167245

Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

100 3.3 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

80000

60000

40000

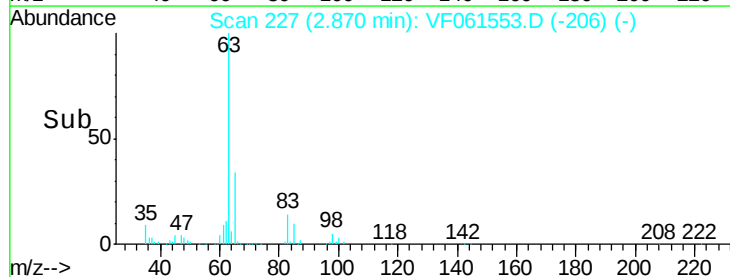
20000

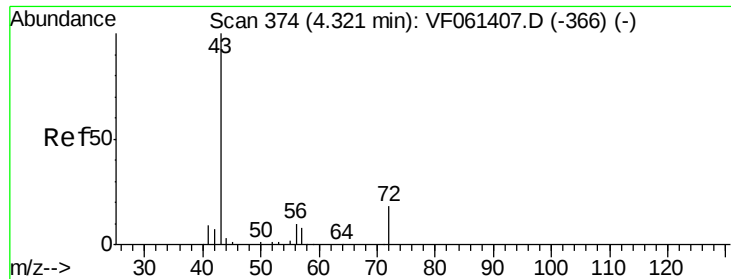
0

2.87

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 268.474 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 43 Resp: 180993

Ion Ratio Lower Upper

43 100

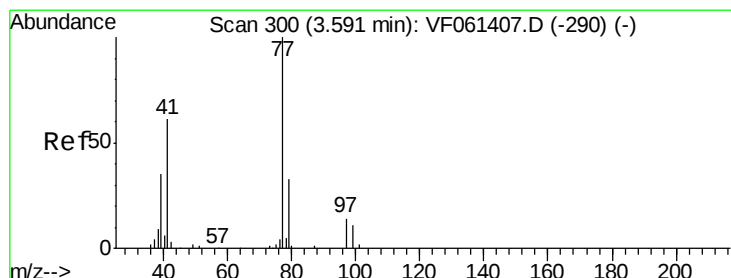
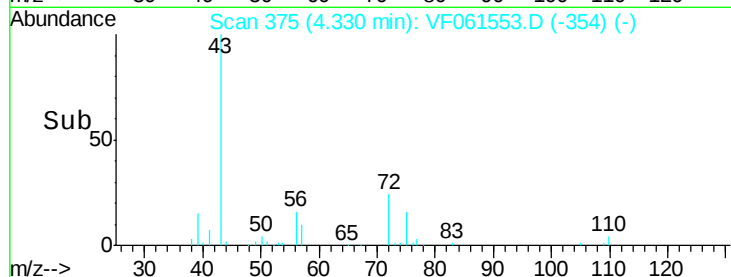
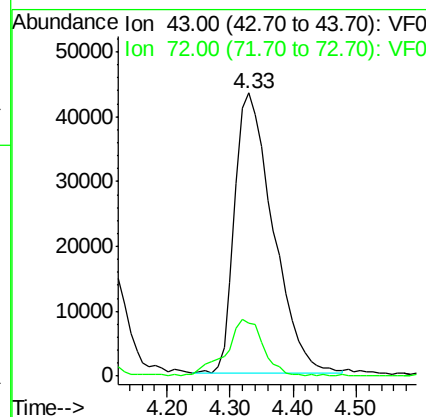
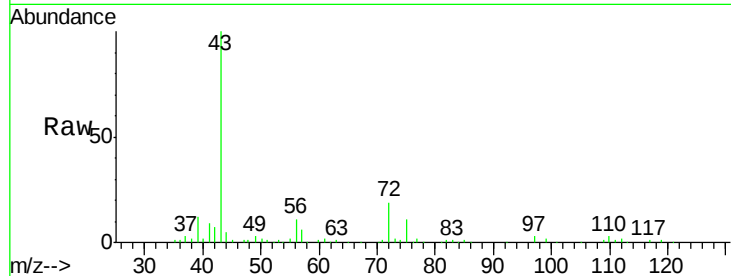
72 18.9 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.379 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061553.D

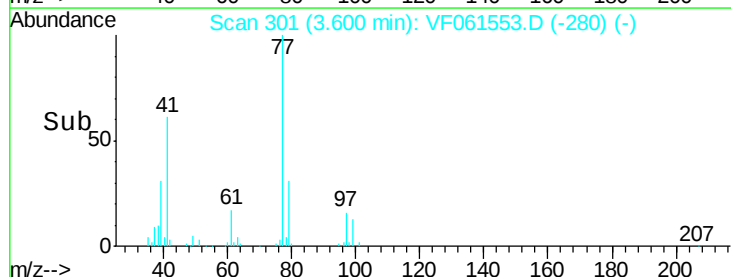
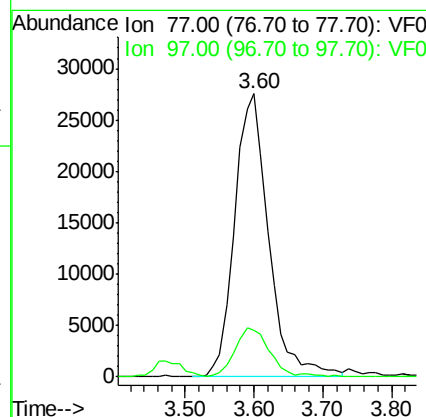
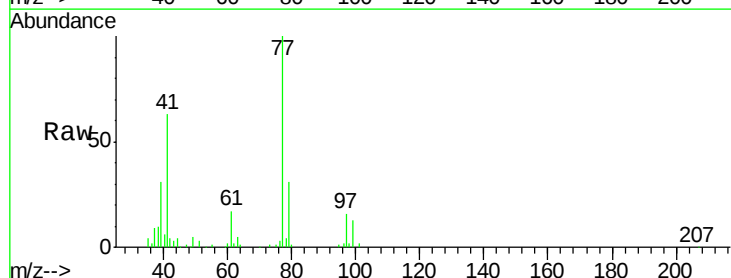
Acq: 7 Feb 2019 19:08

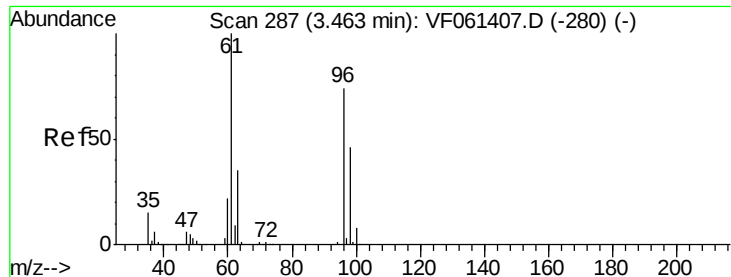
Tgt Ion: 77 Resp: 94646

Ion Ratio Lower Upper

77 100

97 16.5 8.5 25.5





#27

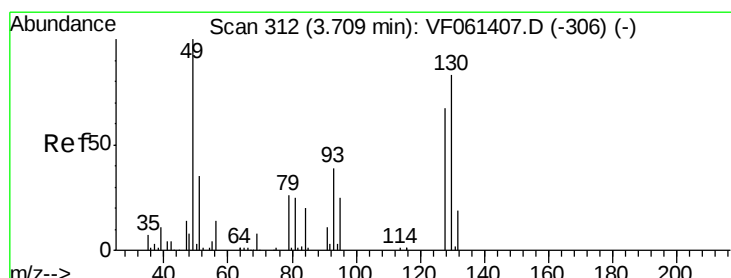
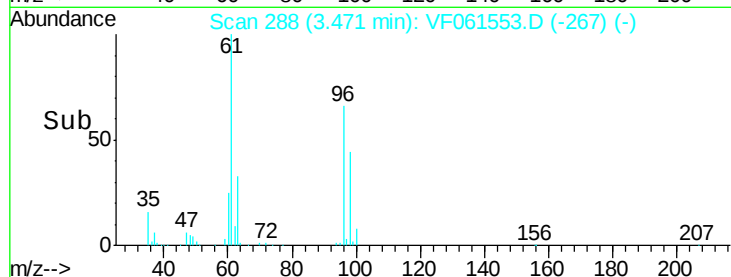
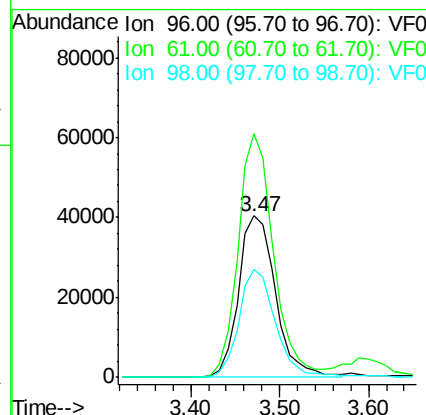
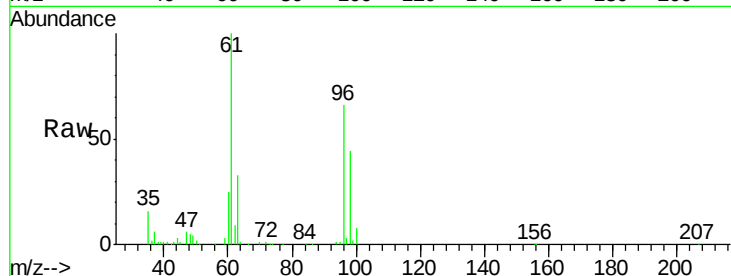
cis-1,2-Dichloroethene
Concen: 49.512 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117059		
61	150.7		0.0	270.2
98	66.9		0.0	124.0

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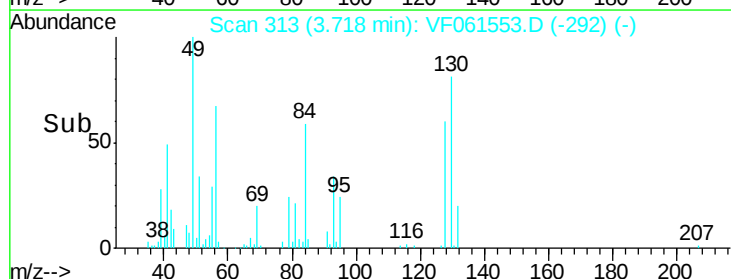
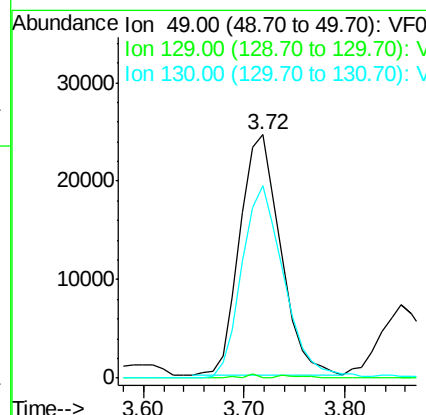
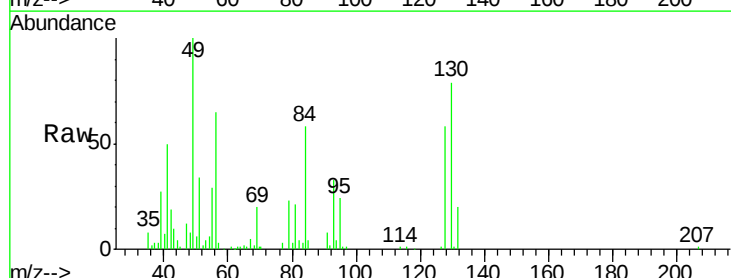
MMDadoda
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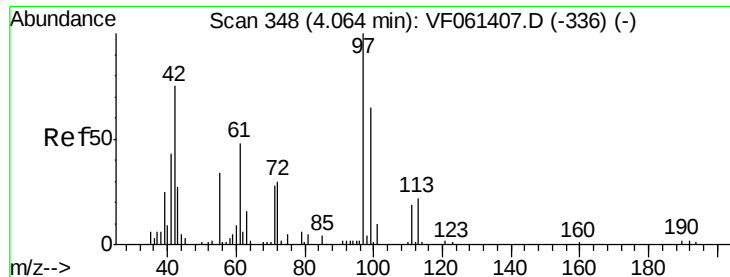


#28

Bromochloromethane
Concen: 47.248 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69054		
129	0.0		0.0	0.0
130	78.9		65.4	98.2





#29

Tetrahydrofuran

Concen: 292.787 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

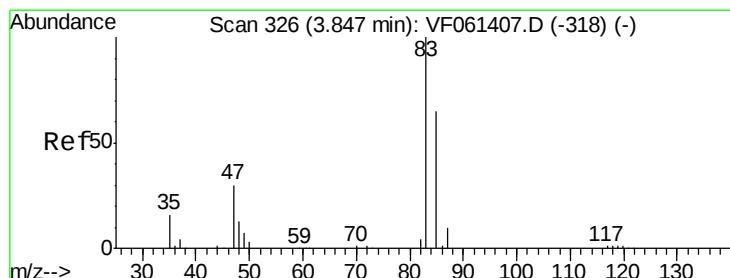
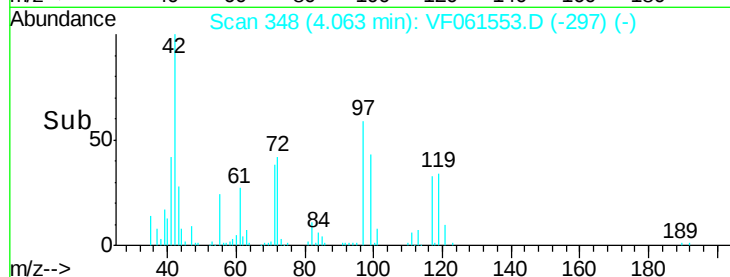
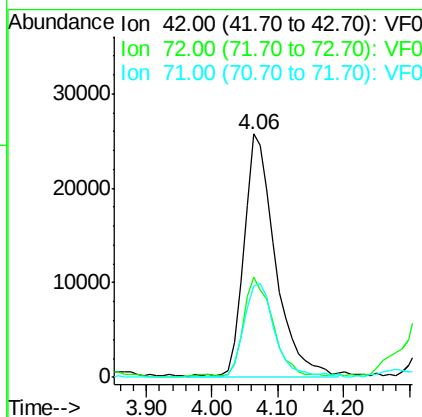
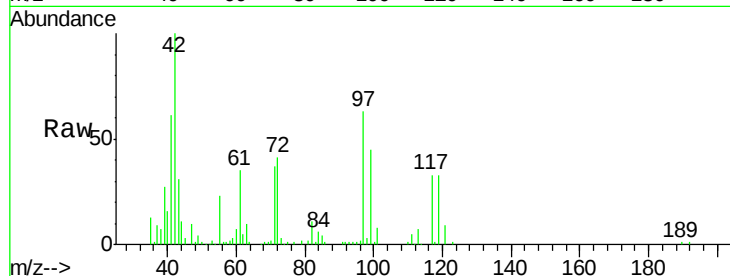
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	42	Resp:	84992
Ion	Ratio	Lower	Upper
42	100		
72	39.0	28.9	43.3
71	38.4	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 51.381 ug/l

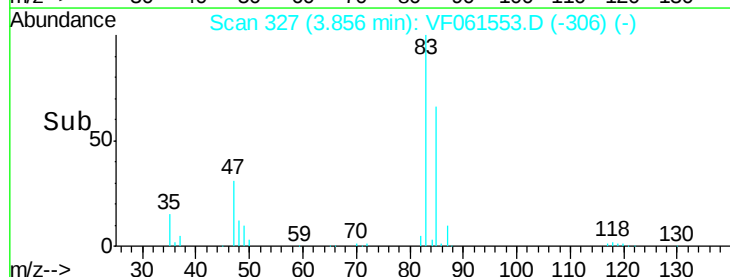
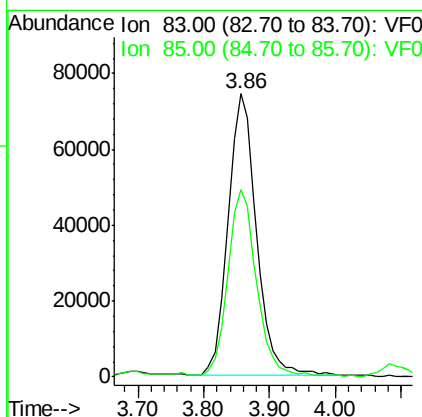
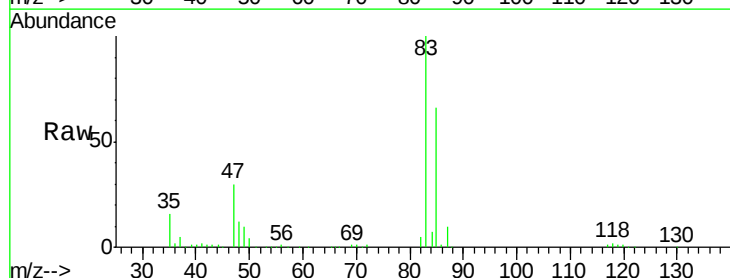
RT: 3.86 min Scan# 327

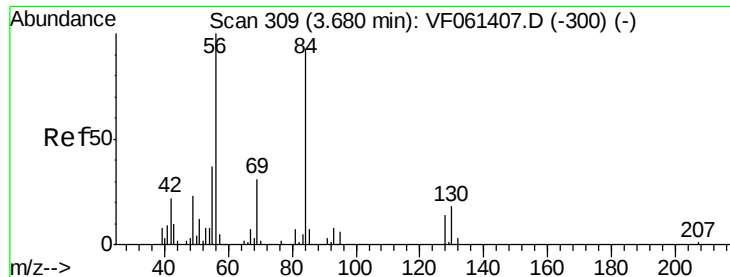
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	83	Resp:	225459
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.7	79.1





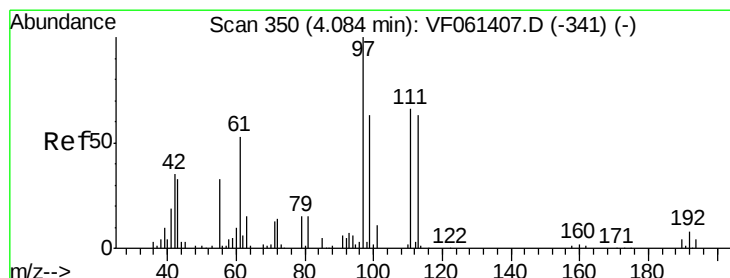
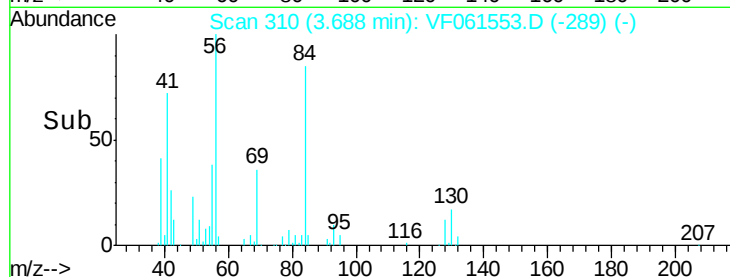
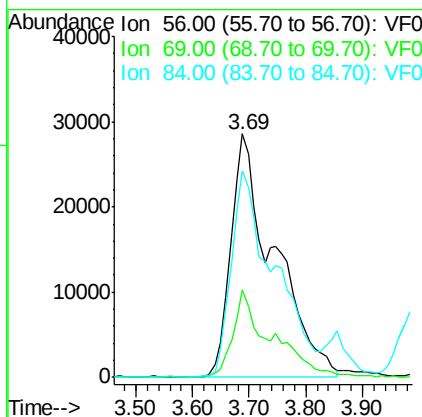
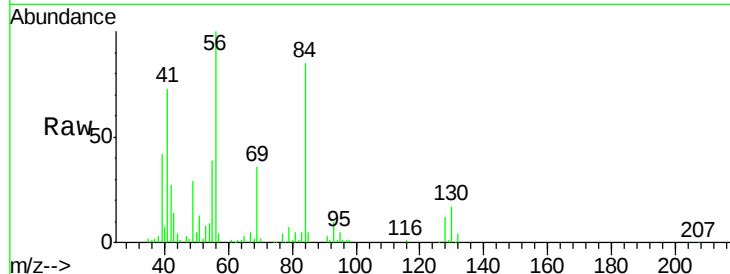
#31
Cyclohexane
Concen: 46.843 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
56	100	152140		
69	36.1		24.6	36.8
84	85.1		74.2	111.2

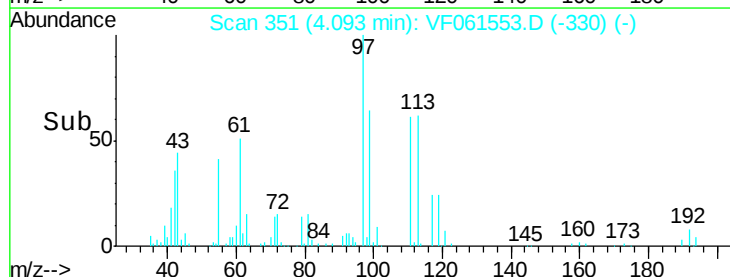
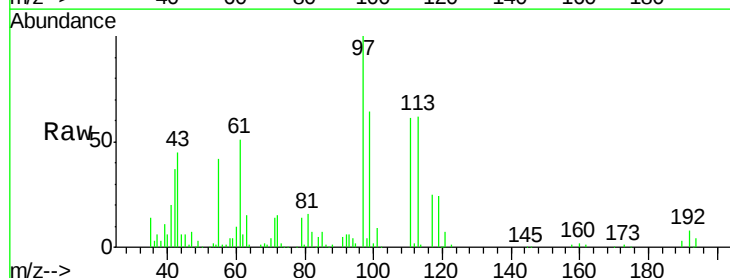
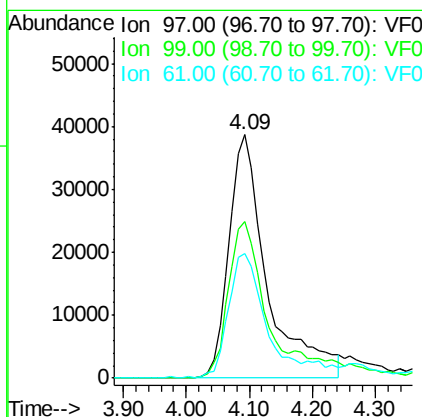
Manual Integrations
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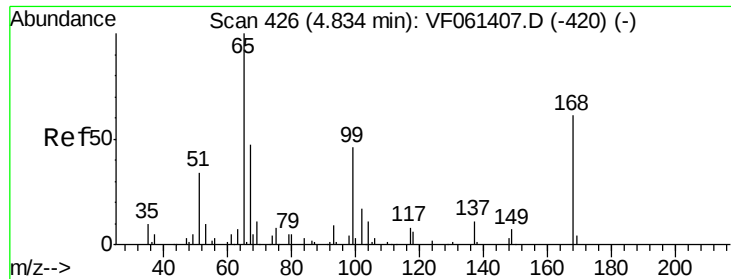
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.045 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	164234		
99	64.1		50.1	75.1
61	51.0		43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 51.848 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 65 Resp: 104774

Ion Ratio Lower Upper

65 100

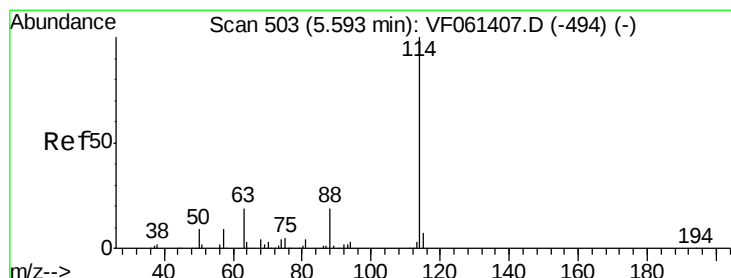
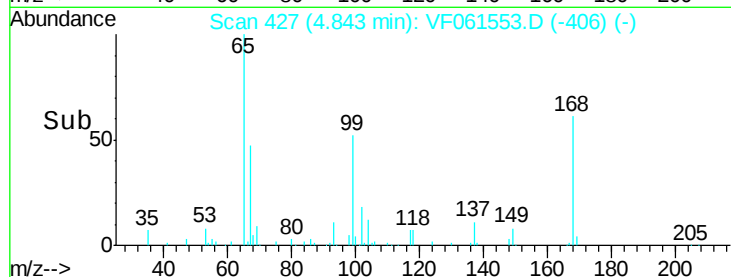
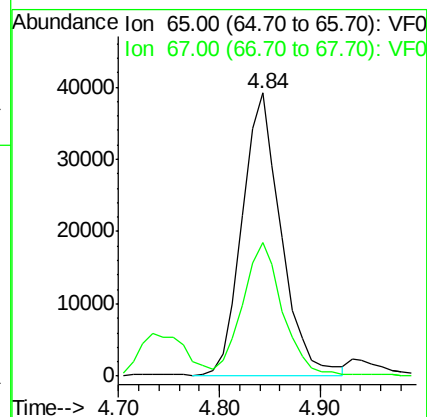
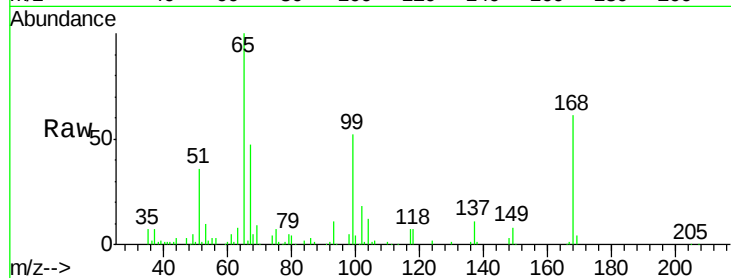
67 47.4 0.0 99.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

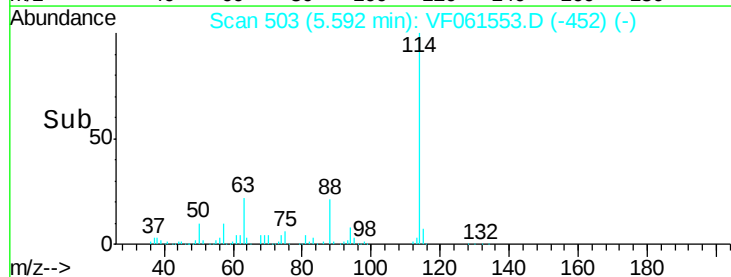
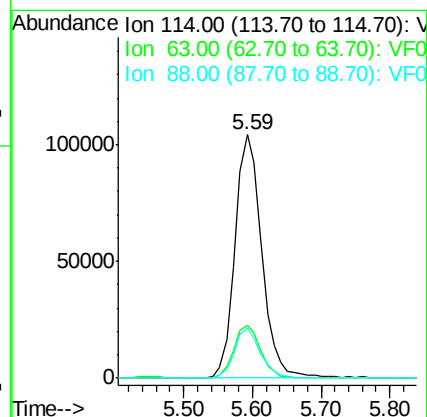
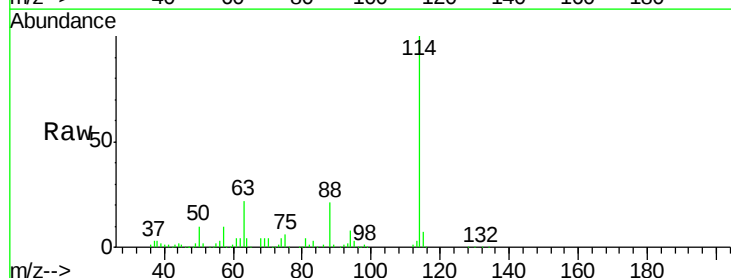
Tgt Ion:114 Resp: 280864

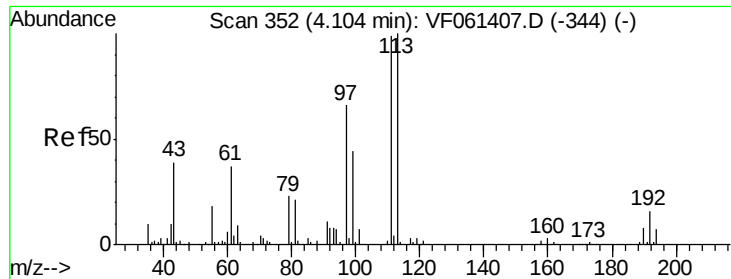
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 20.6 0.0 37.4





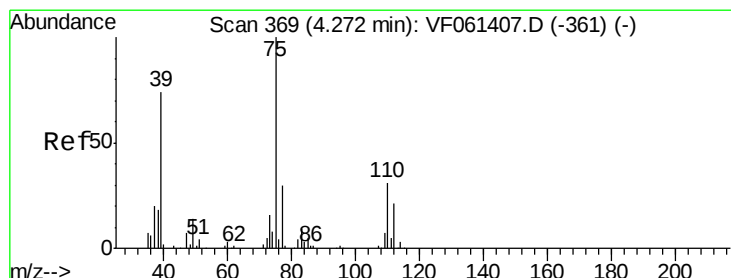
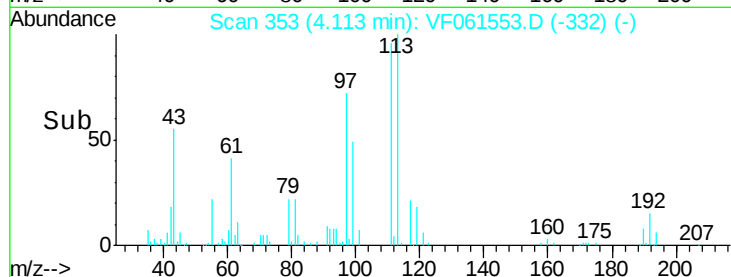
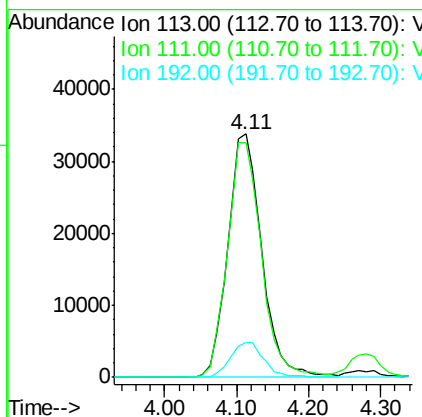
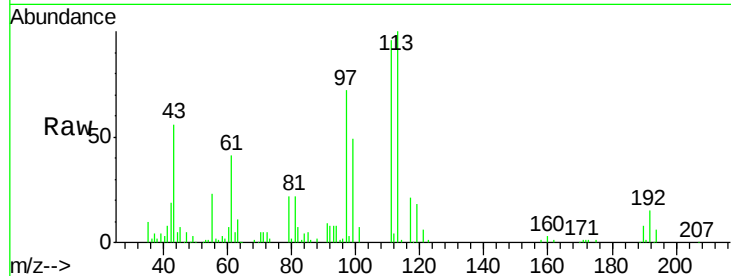
#35
 Dibromofluoromethane
 Concen: 50.032 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.4	79.4	119.0
192	14.6	12.4	18.6

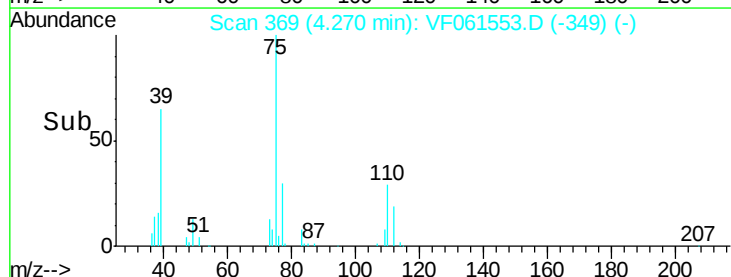
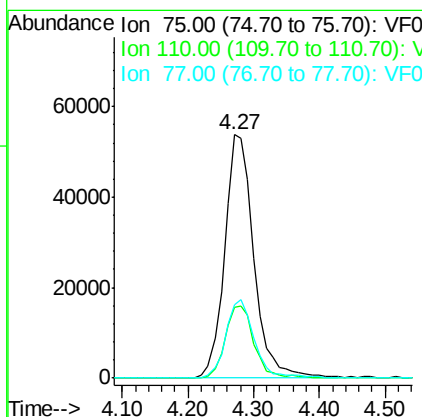
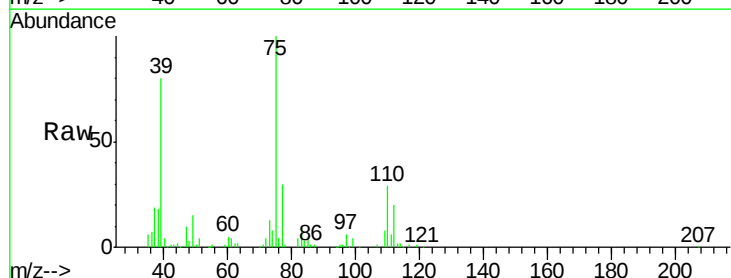
Manual Integrations
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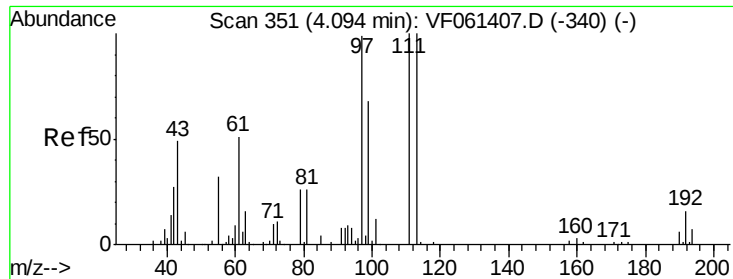
MMDadoda
 2/11/2019 12:36:33 PM



#36
 1,1-Dichloropropene
 Concen: 51.252 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.8	15.8	47.3
77	30.1	24.0	36.0





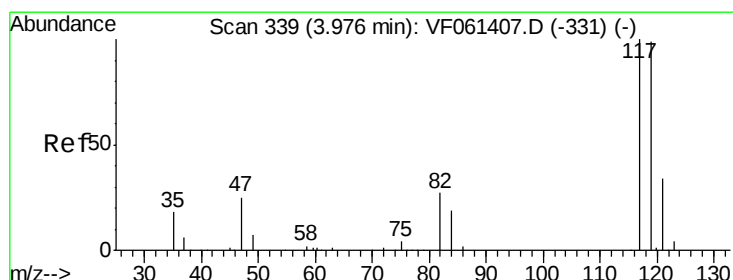
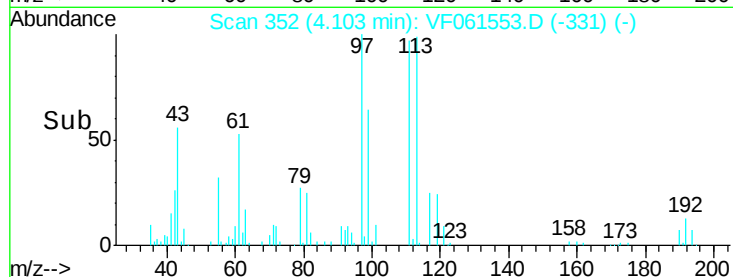
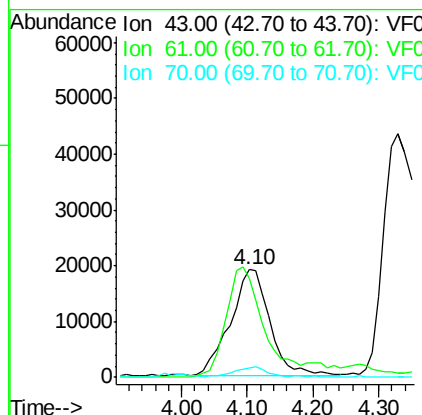
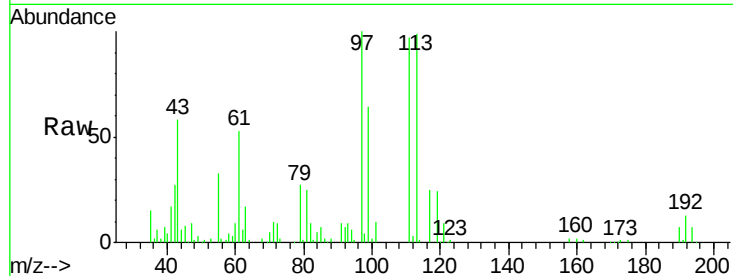
#37
Ethyl Acetate
Concen: 60.428 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	92.0	81.7	122.5			
70	8.7	6.2	9.2			

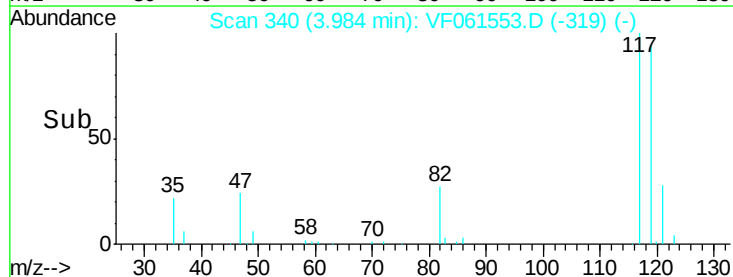
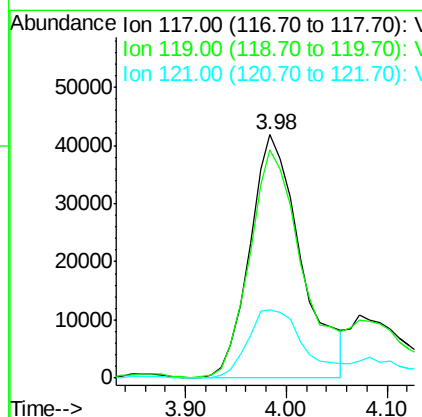
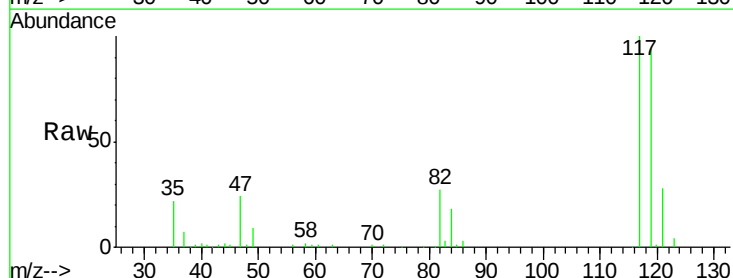
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 52.067 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	93.7	79.0	118.6			
121	28.2	27.0	40.6			





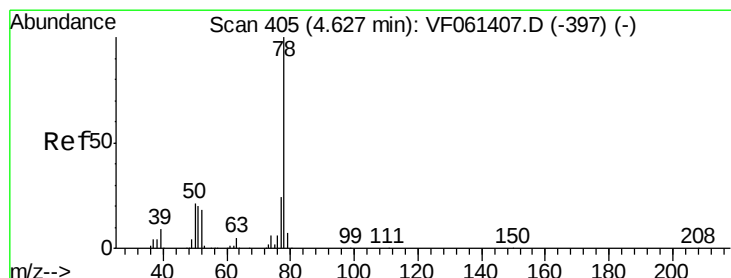
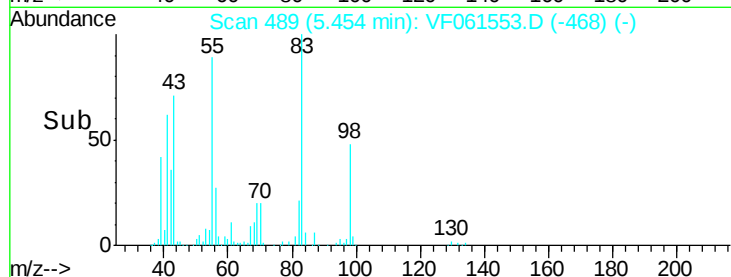
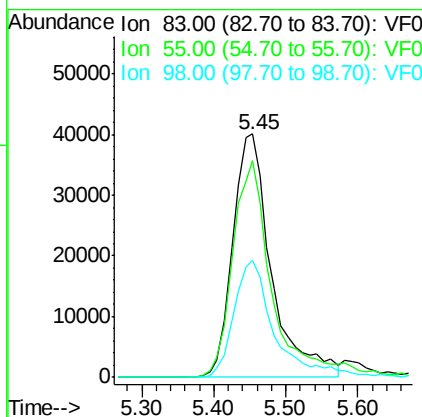
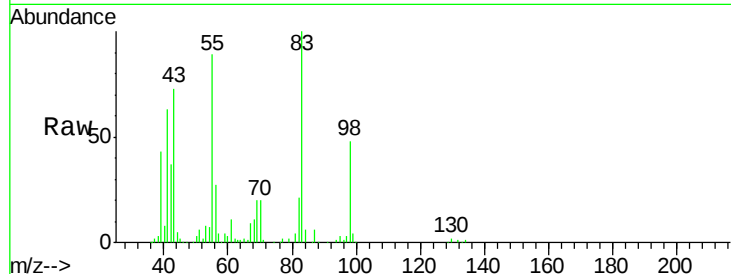
#39
Methvlcvclohexane
Concen: 42.692 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	67.4	101.2
98	48.0	36.7	55.1

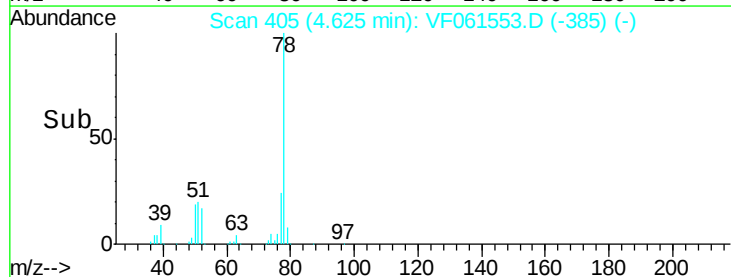
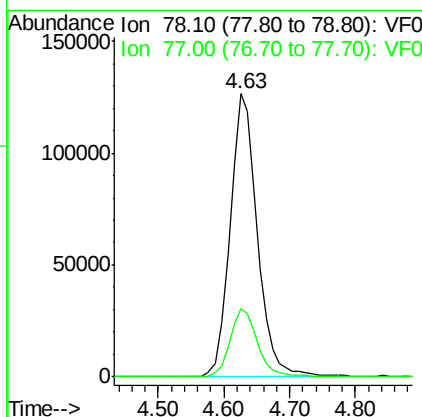
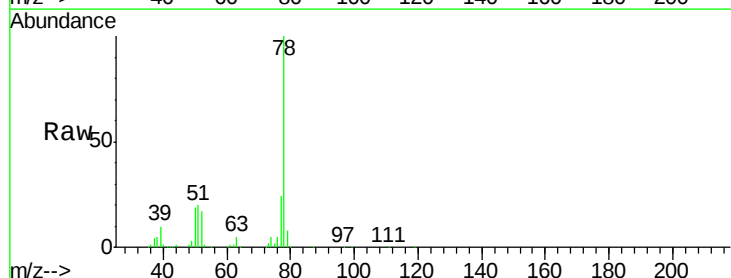
Manual Integrations
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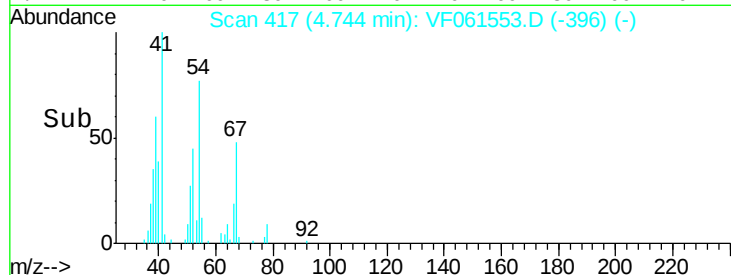
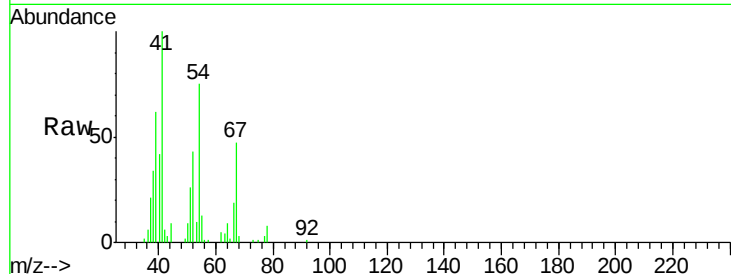
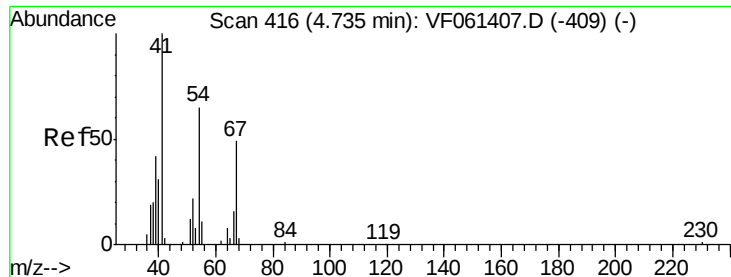
MMDadoda
2/11/2019 12:36:33 PM



#40
Benzene
Concen: 50.632 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





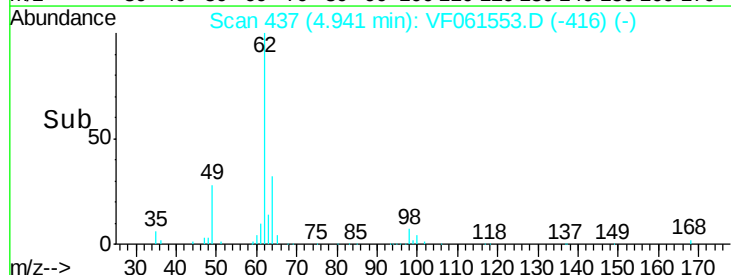
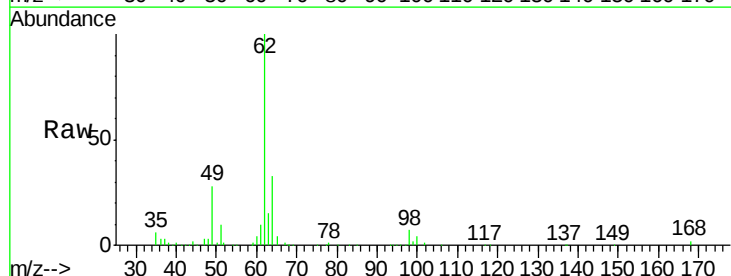
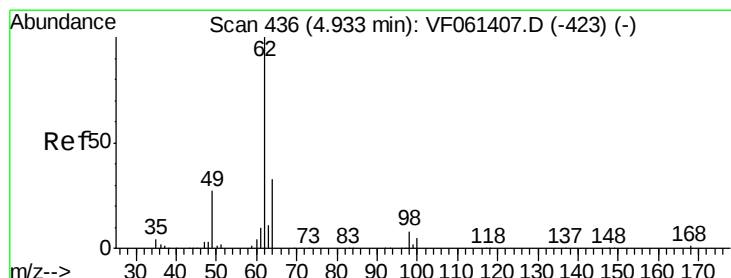
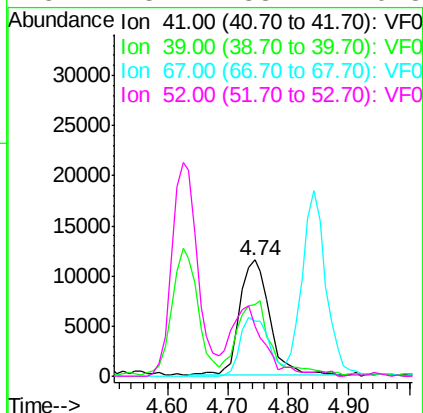
#41
Methacrylonitrile
Concen: 56.808 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tot Ion	41	Resp	39348
Ion Ratio	Lower	Upper	
41	100		
39	62.0	43.1	64.7
67	47.0	38.8	58.2
52	43.4	33.2	49.8

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

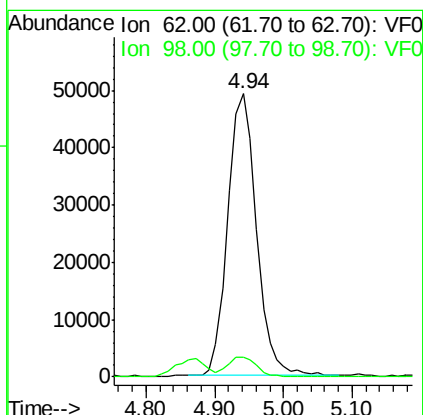
Manual Integrations
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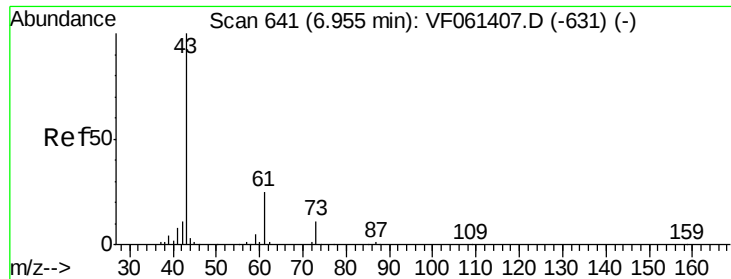
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.222 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	62	Resp	142591
Ion Ratio	Lower	Upper	
62	100		
98	7.1	0.0	17.0





#43

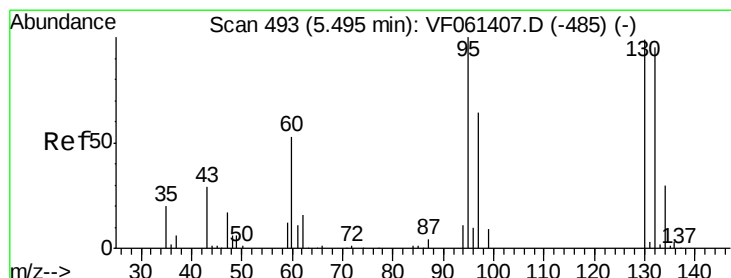
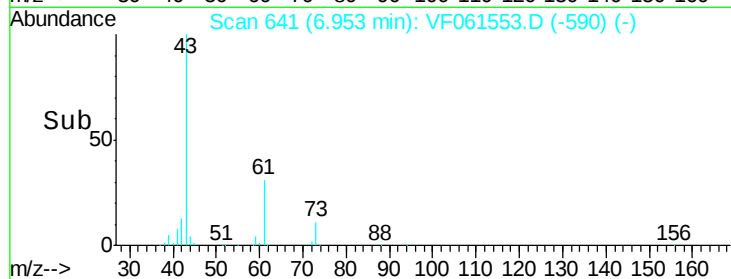
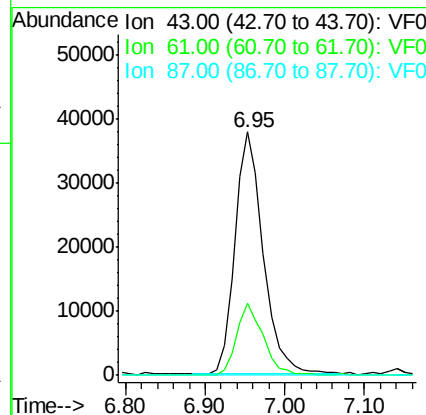
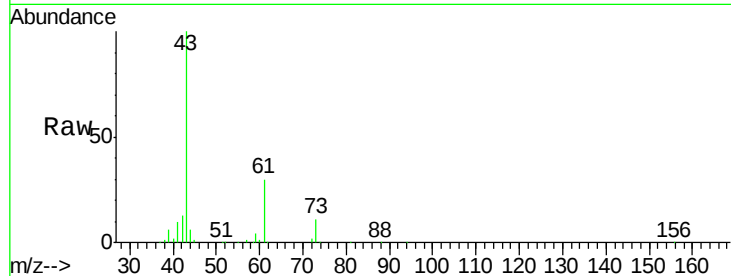
Isopropyl Acetate
 Concen: 56.720 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	20.3	30.5
87	0.0	0.5	0.7#

Manual Integrations
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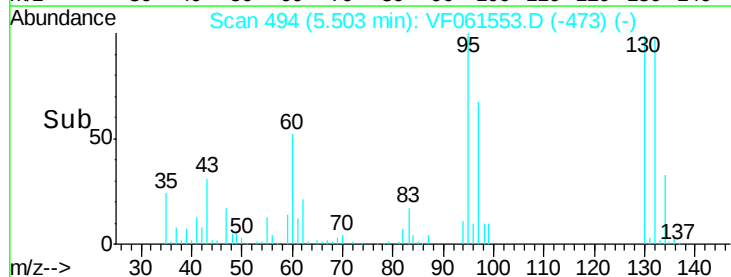
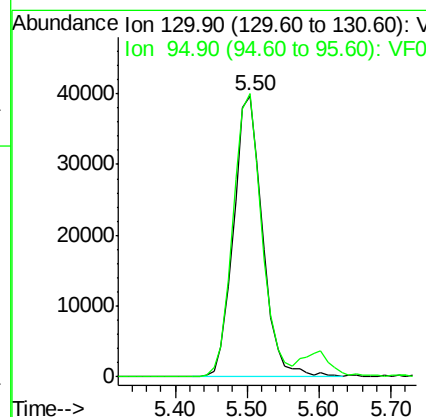
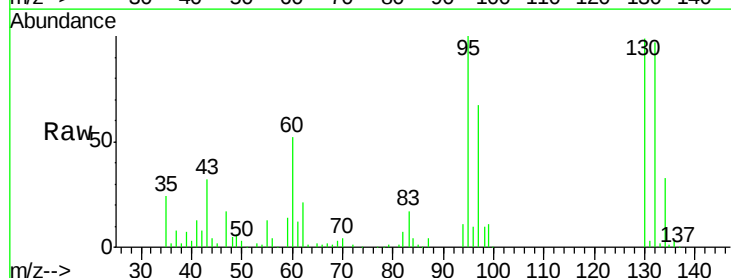
MMDadoda
 2/11/2019 12:36:33 PM

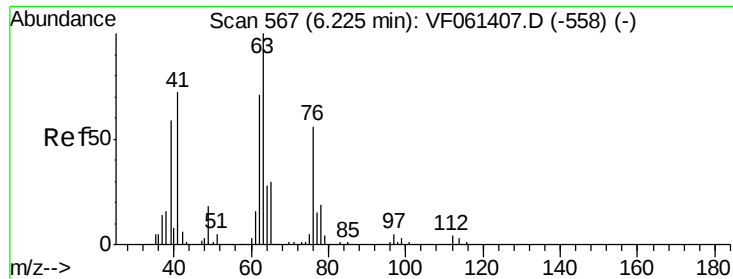


#44

Trichloroethene
 Concen: 49.896 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	202.8





#45

1,2-Dichloropropane

Concen: 56.610 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 63 Resp: 107660

Ion Ratio Lower Upper

63 100

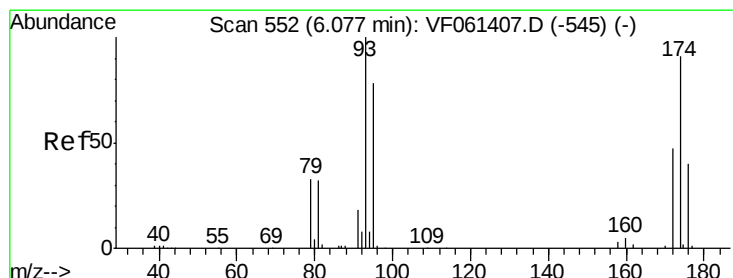
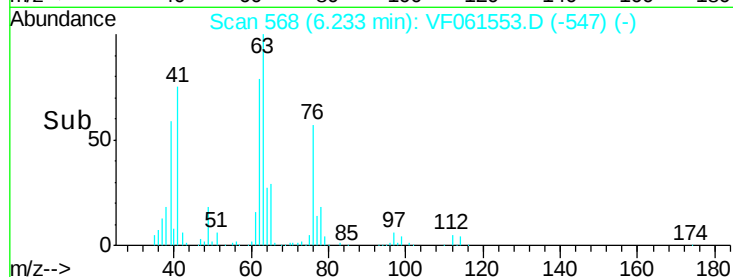
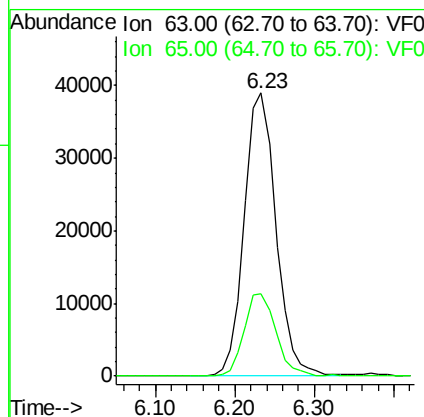
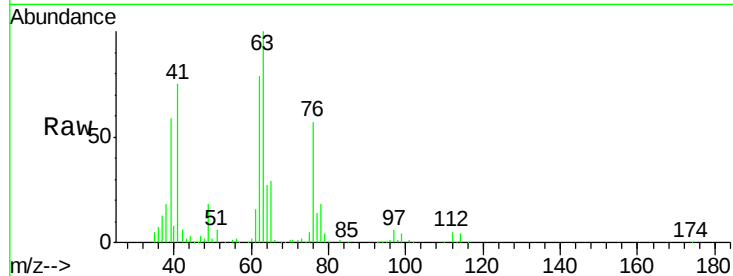
65 29.1 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 58.707 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

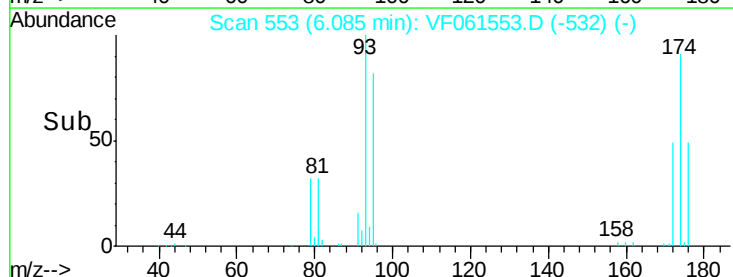
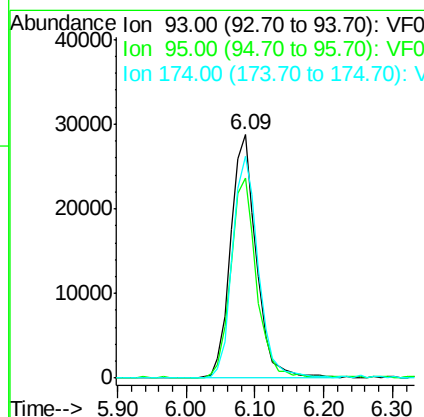
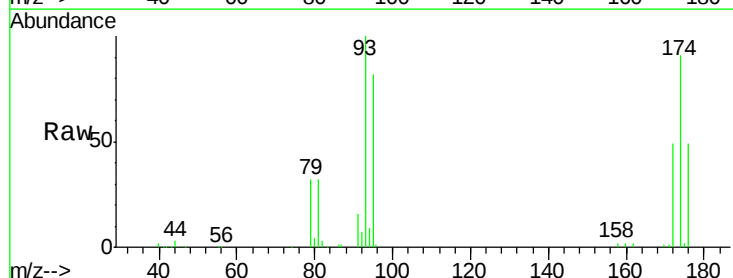
Tgt Ion: 93 Resp: 74239

Ion Ratio Lower Upper

93 100

95 82.3 62.1 93.1

174 91.2 74.6 111.8





#47

Bromodichloromethane

Concen: 56.839 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

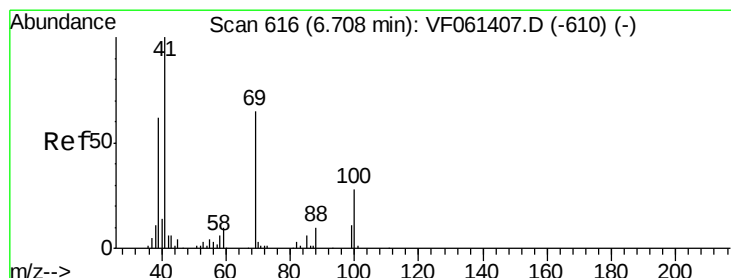
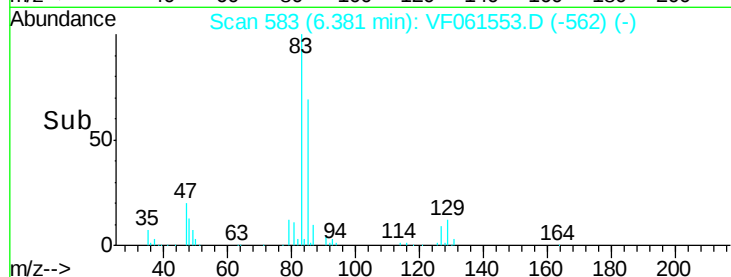
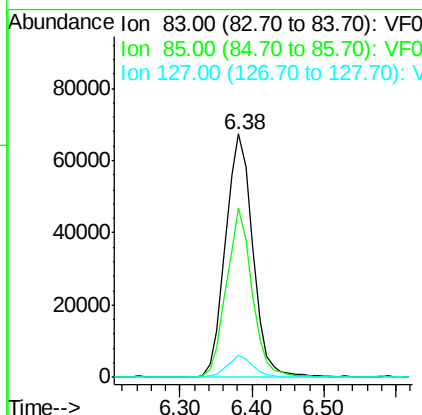
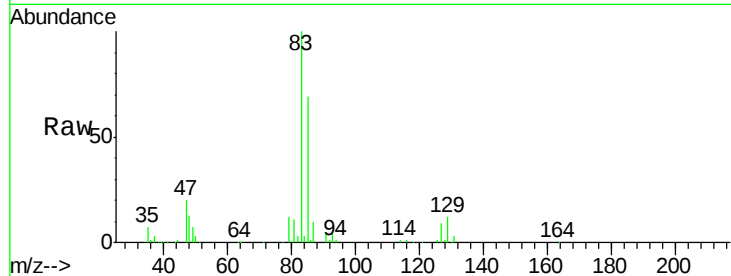
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	83	Resp:	177838
Ion Ratio	Lower	Upper	
83	100		
85	69.3	53.0	79.4
127	9.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 63.798 ug/l

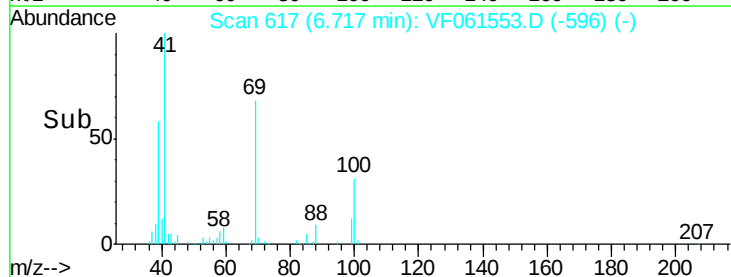
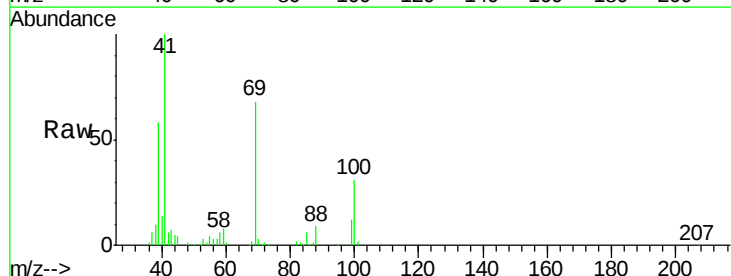
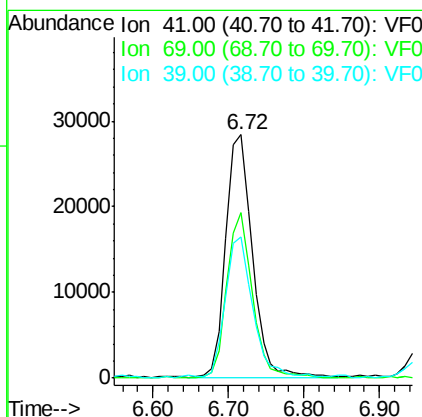
RT: 6.72 min Scan# 617

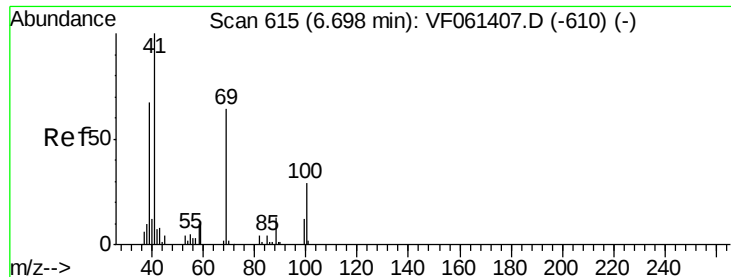
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	41	Resp:	69991
Ion Ratio	Lower	Upper	
41	100		
69	67.9	51.7	77.5
39	58.1	49.2	73.8





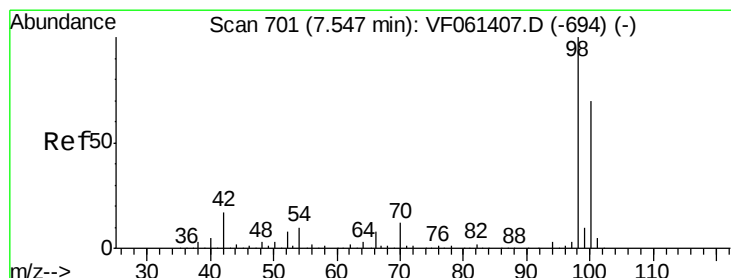
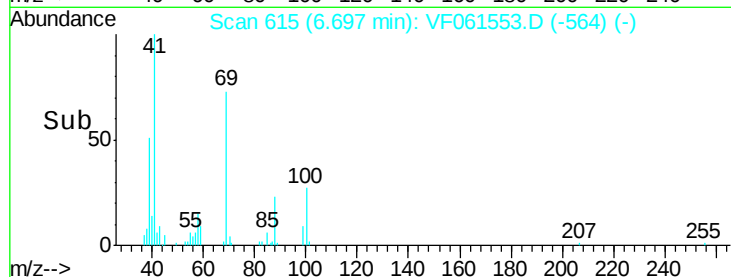
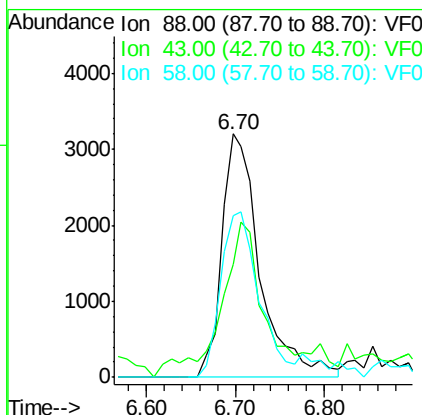
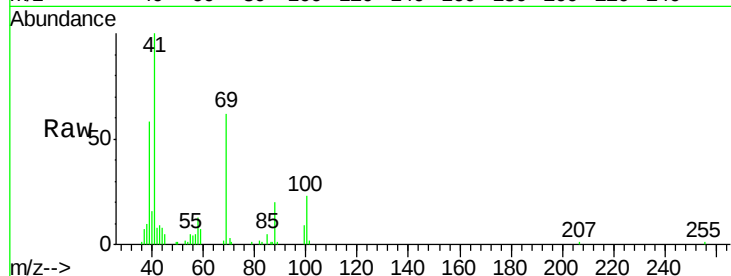
#49
1,4-Dioxane
Concen: 1277.841 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion: 88 Resp: 9638
Ion Ratio Lower Upper
88 100
43 46.3 55.5 83.3#
58 66.6 59.9 89.9

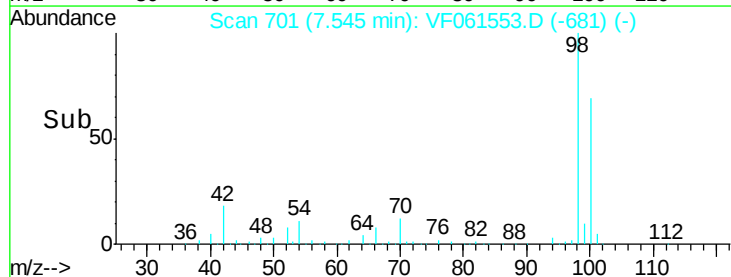
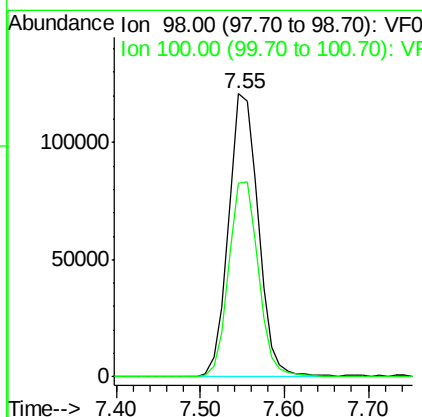
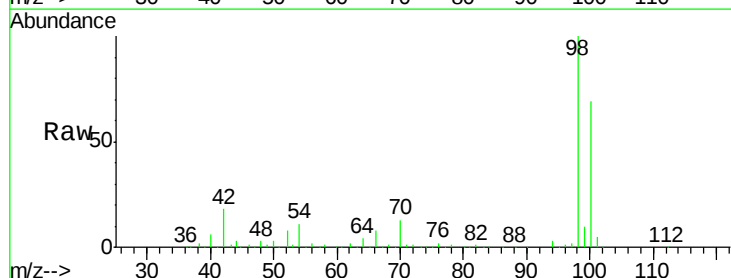
Manual Integrations
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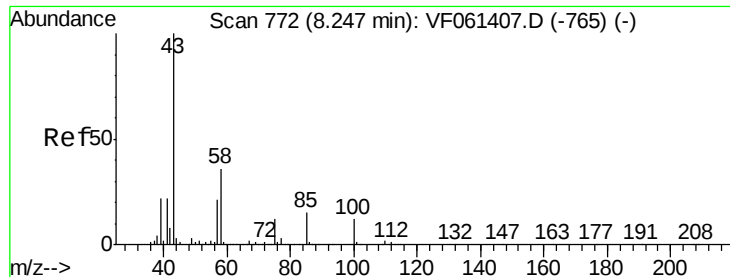
MMDadoda
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#50
Toluene-d8
Concen: 49.057 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion: 98 Resp: 297879
Ion Ratio Lower Upper
98 100
100 68.6 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 296.378 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 43 Resp: 355969

Ion Ratio Lower Upper

43 100

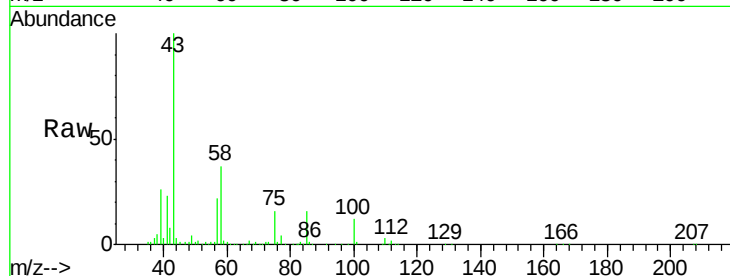
58 36.8 28.8 43.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

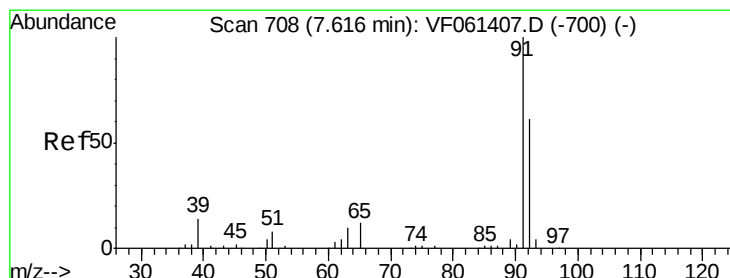
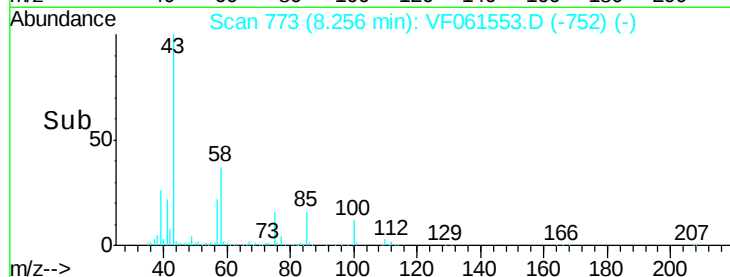
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 50.830 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061553.D

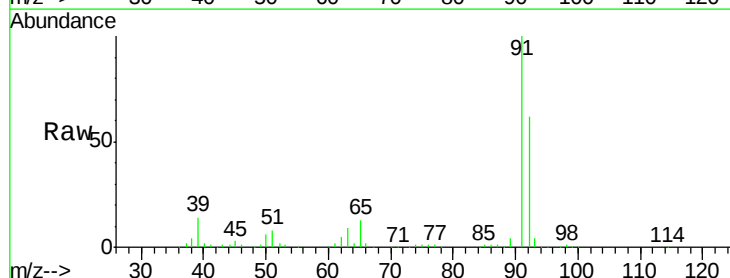
Acq: 7 Feb 2019 19:08

Tgt Ion: 92 Resp: 242555

Ion Ratio Lower Upper

92 100

91 162.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

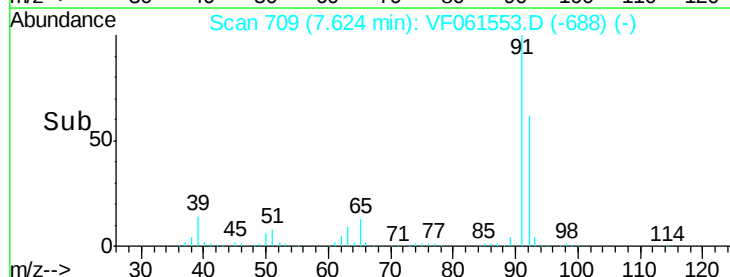
100000

50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.237 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 75 Resp: 137233

Ion Ratio Lower Upper

75 100

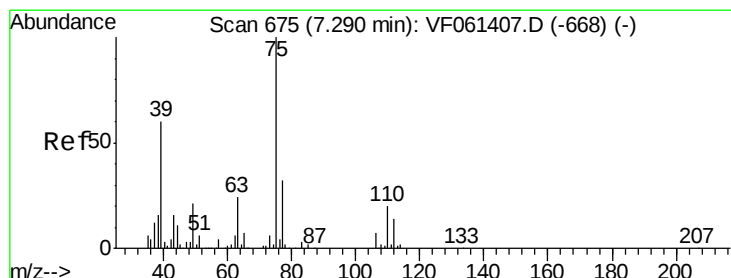
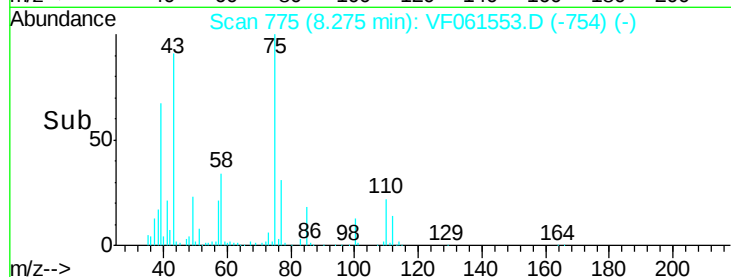
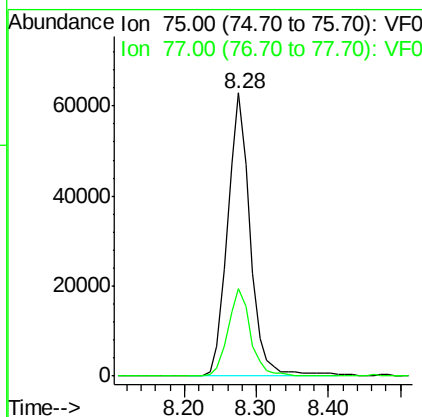
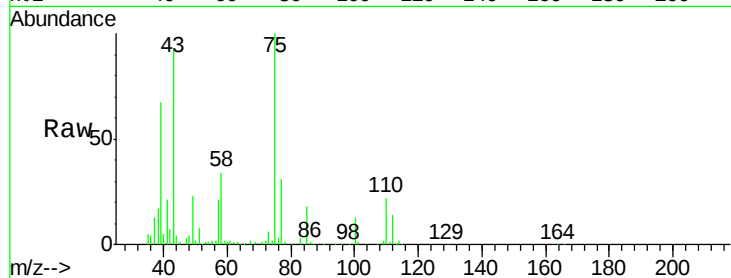
77 30.8 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 57.106 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

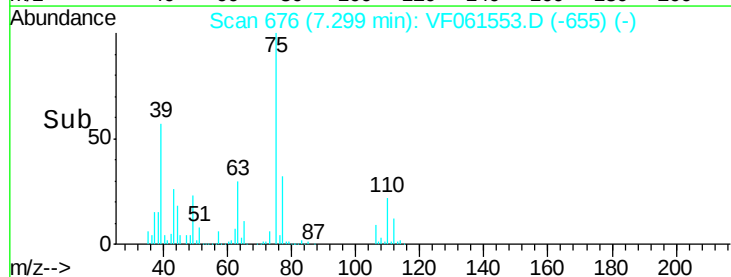
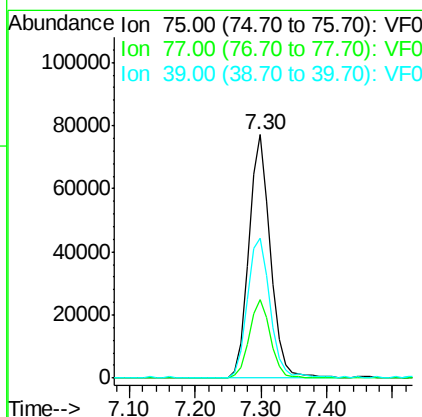
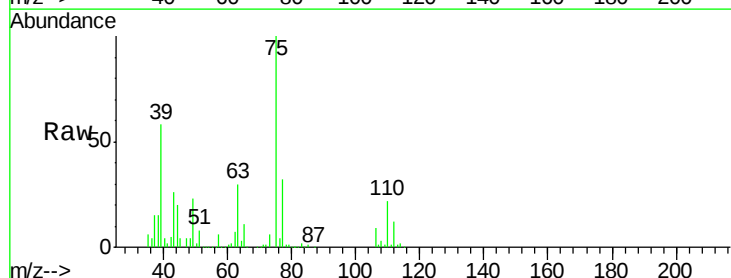
Tgt Ion: 75 Resp: 177343

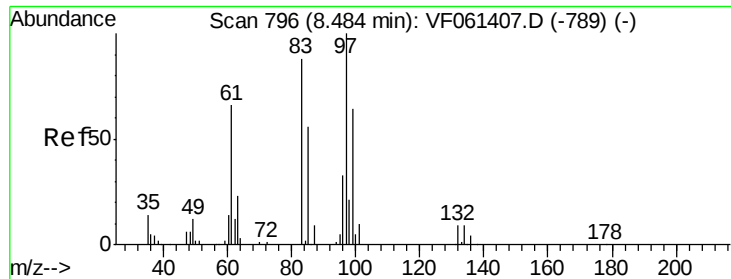
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

39 57.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 61.645 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

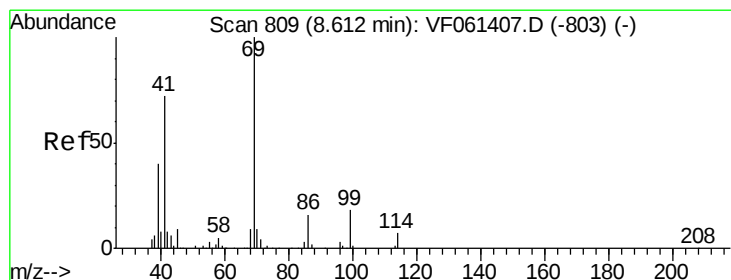
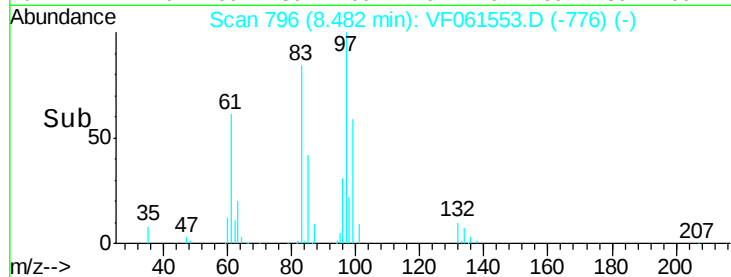
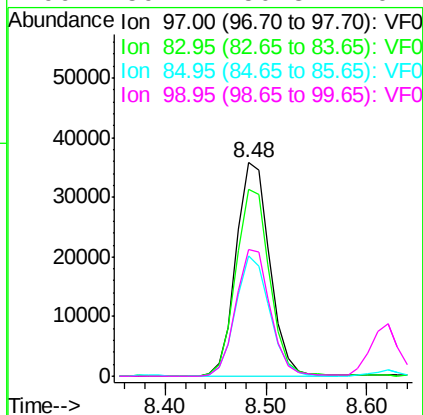
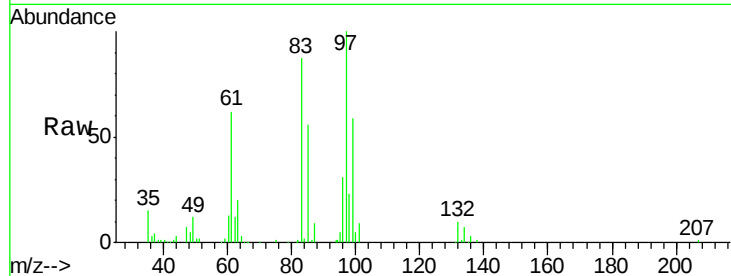
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	97	Resp:	83534
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	56.3	44.7	67.1
99	59.1	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 58.347 ug/l

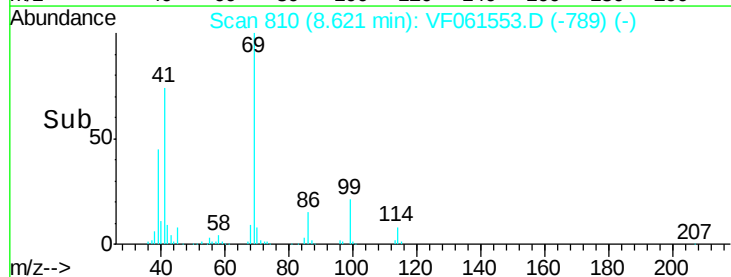
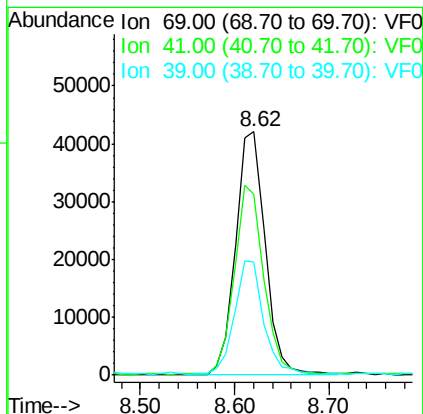
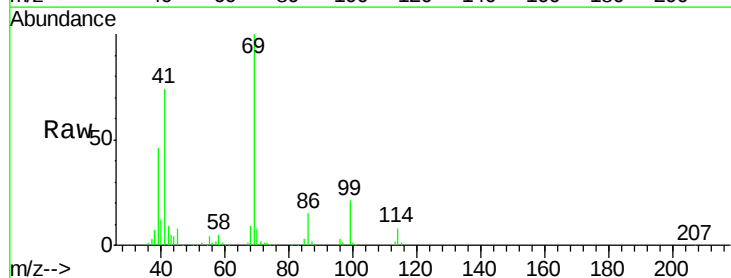
RT: 8.62 min Scan# 810

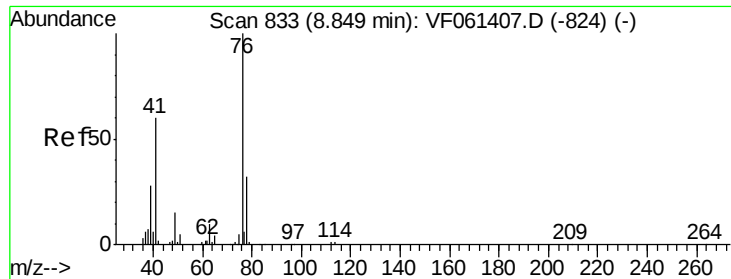
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	69	Resp:	91986
Ion	Ratio	Lower	Upper
69	100		
41	74.3	57.5	86.3
39	46.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 55.703 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 76 Resp: 141481

Ion Ratio Lower Upper

76 100

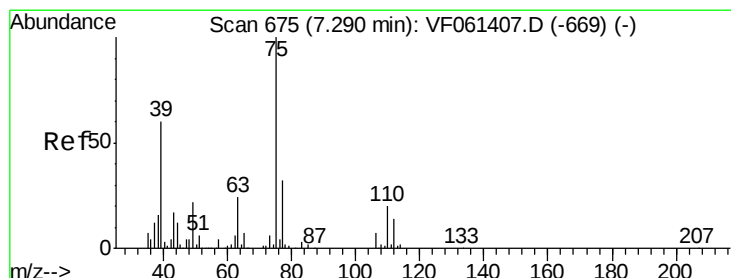
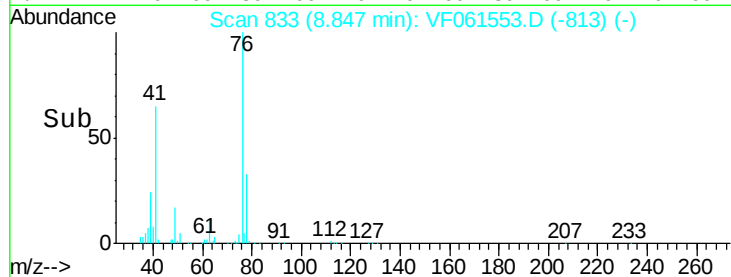
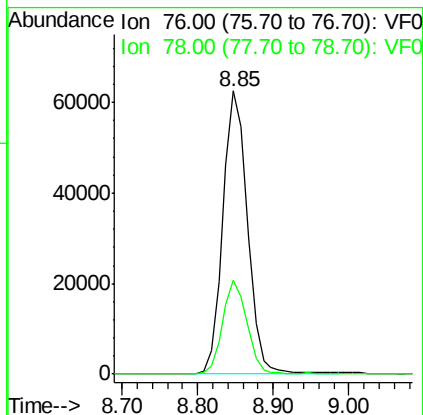
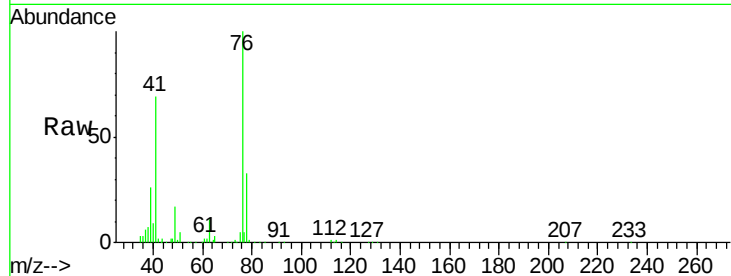
78 33.2 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 365.979 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061553.D

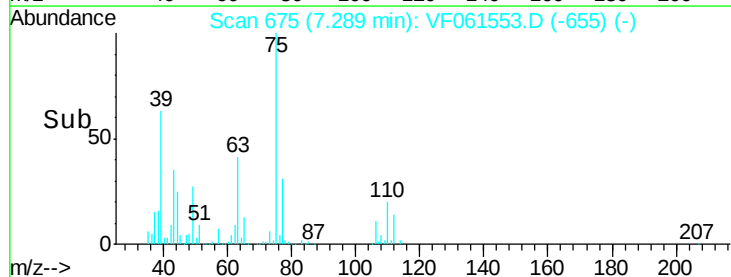
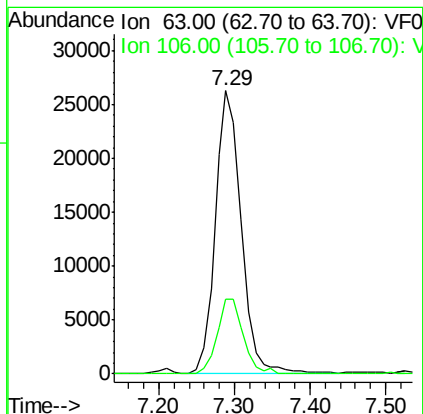
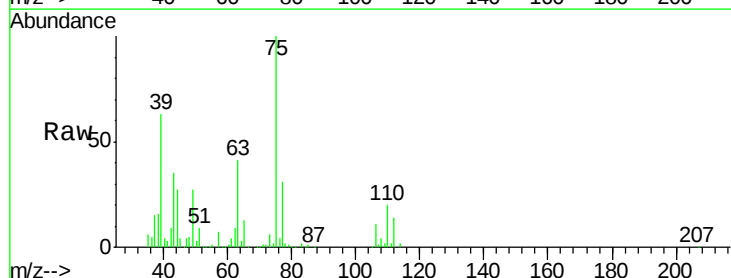
Acq: 7 Feb 2019 19:08

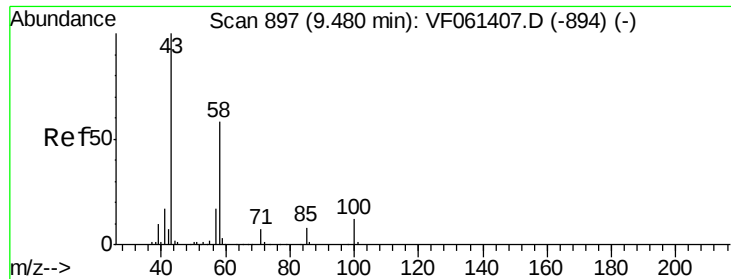
Tgt Ion: 63 Resp: 62875

Ion Ratio Lower Upper

63 100

106 26.3 21.9 32.9





#59

2-Hexanone

Concen: 291.831 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 43 Resp: 244416

Ion Ratio Lower Upper

43 100

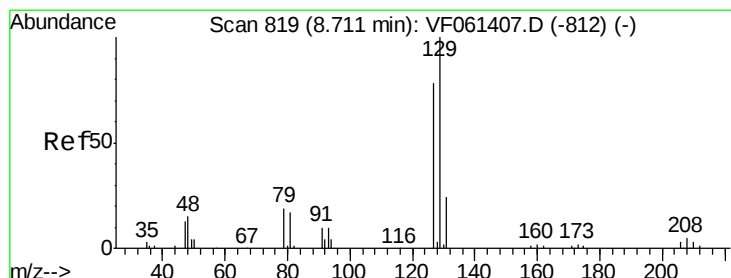
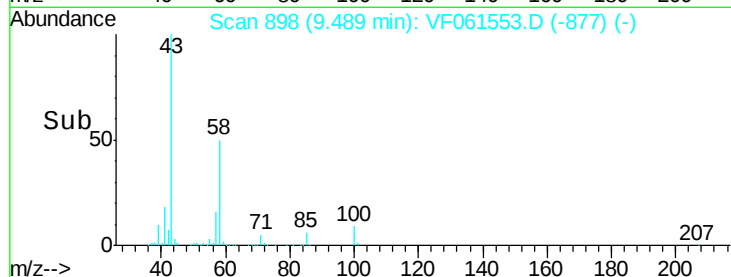
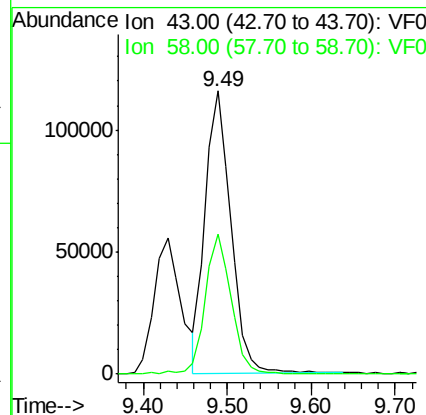
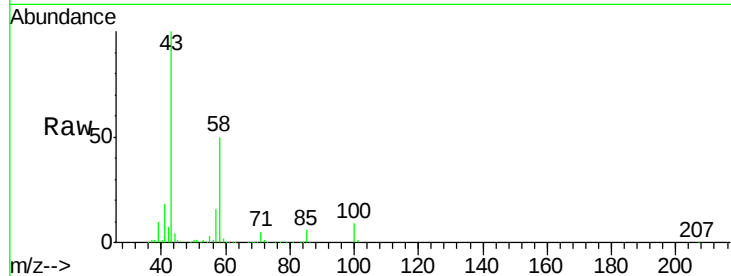
58 49.7 25.9 77.6

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#60

Dibromochloromethane

Concen: 59.692 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061553.D

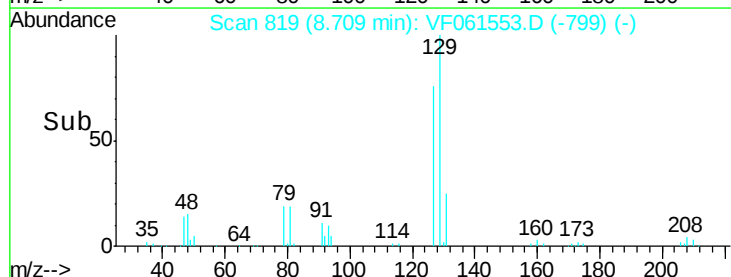
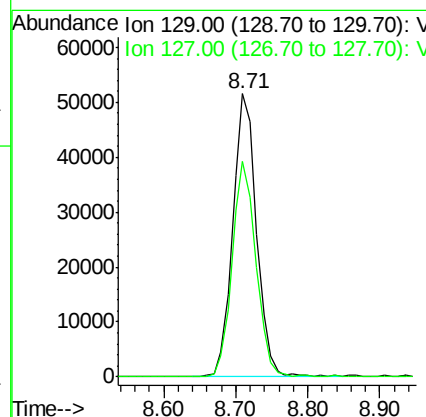
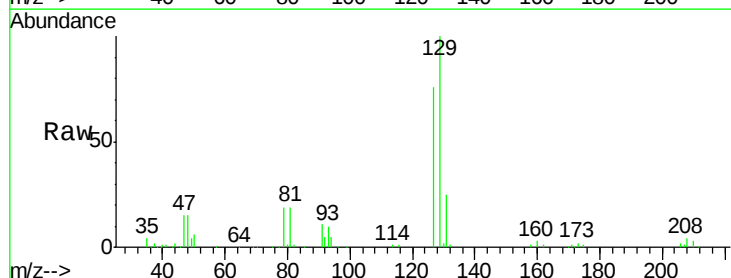
Acq: 7 Feb 2019 19:08

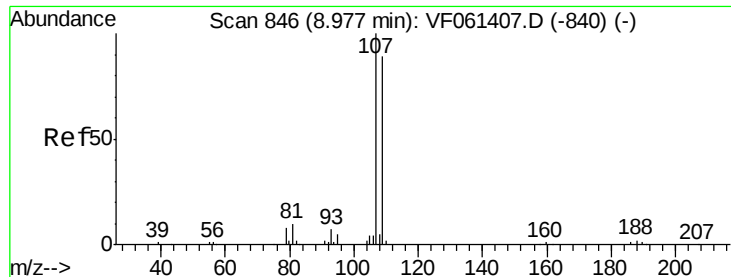
Tgt Ion: 129 Resp: 118254

Ion Ratio Lower Upper

129 100

127 75.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 56.343 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 107 Resp: 87404

Ion Ratio Lower Upper

107 100

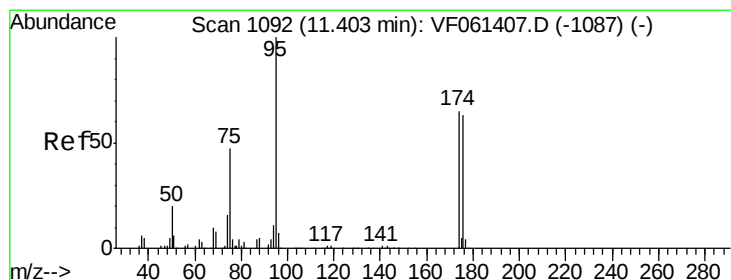
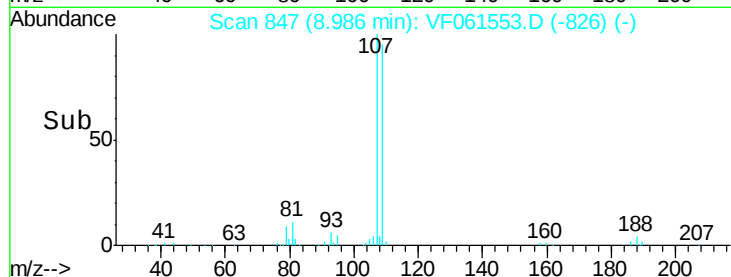
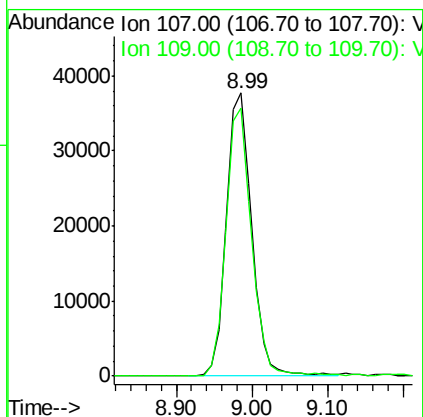
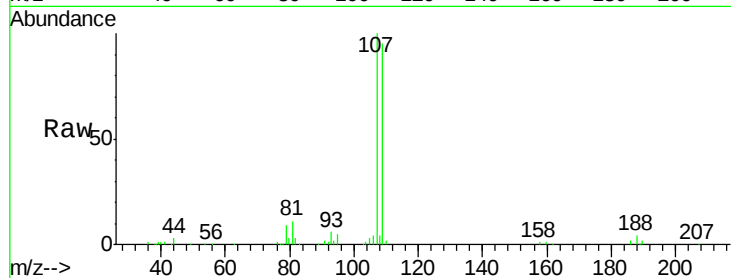
109 94.8 70.8 106.2

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#62

4-Bromofluorobenzene

Concen: 46.764 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

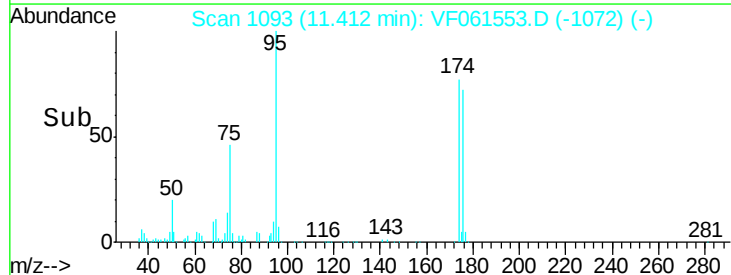
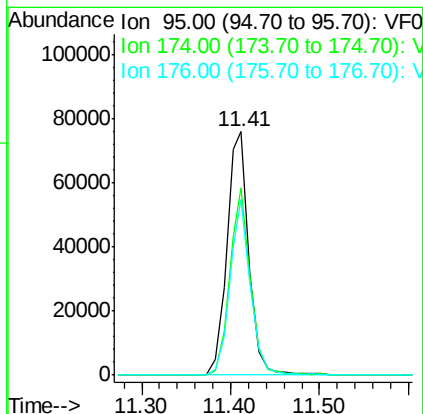
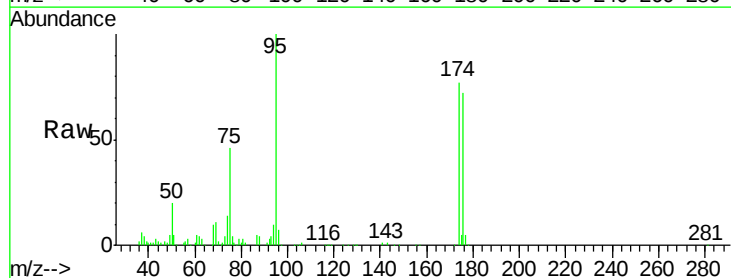
Tgt Ion: 95 Resp: 132673

Ion Ratio Lower Upper

95 100

174 76.7 0.0 130.4

176 72.2 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

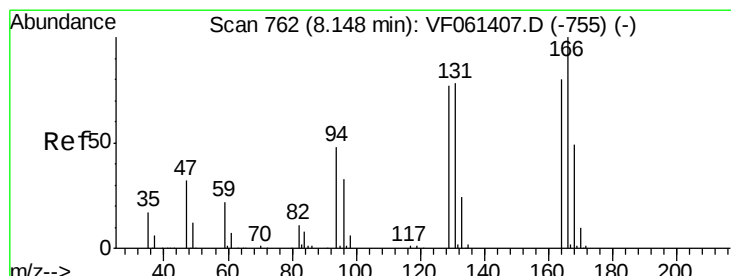
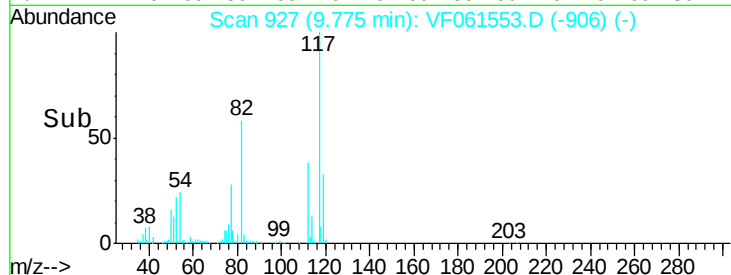
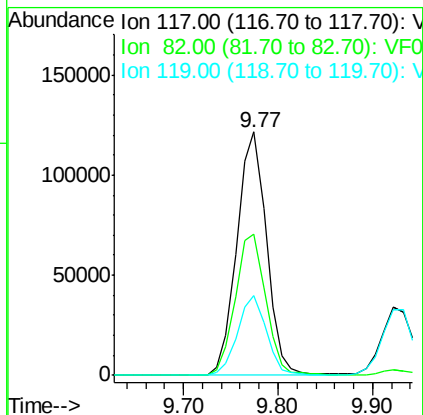
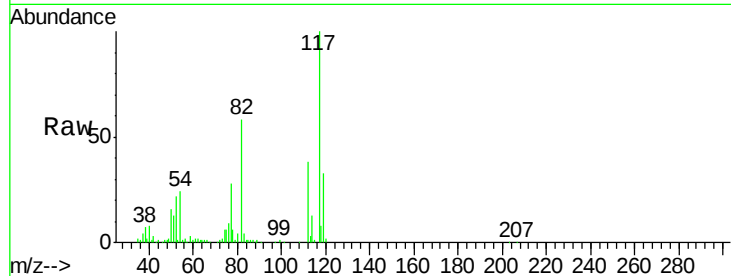
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	117	Resp:	265708
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.4	69.6
119	32.6	27.2	40.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.032 ug/l

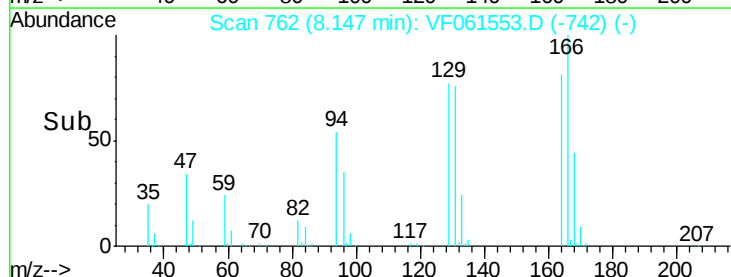
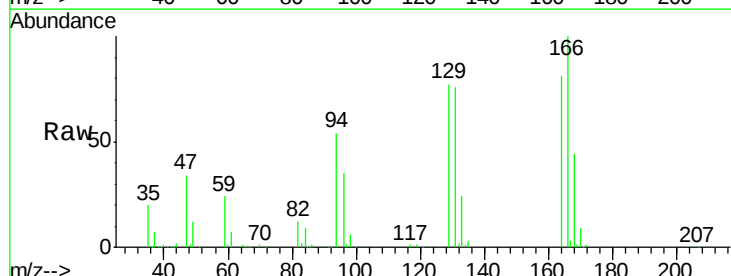
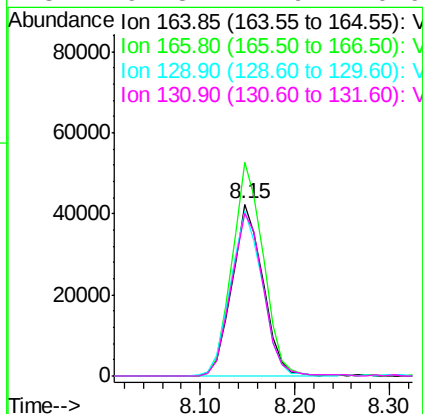
RT: 8.15 min Scan# 762

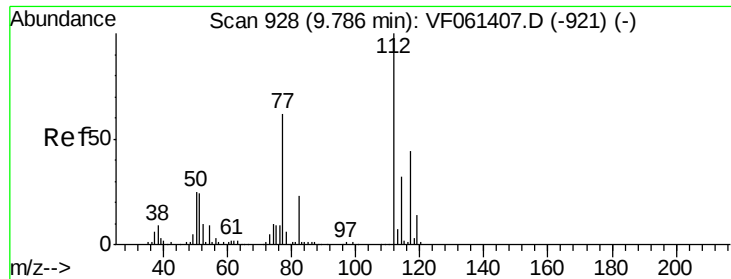
Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	164	Resp:	95975
Ion Ratio	Lower	Upper	
164	100		
166	124.1	99.6	149.4
129	95.6	76.4	114.6
131	94.8	77.9	116.9





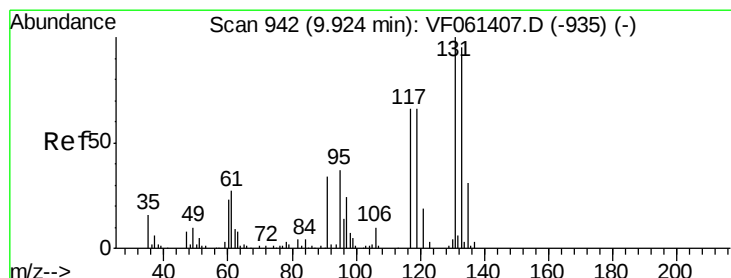
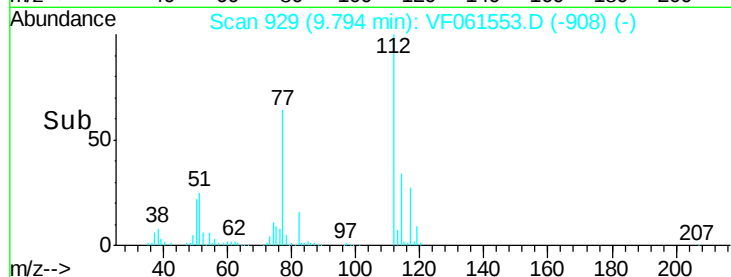
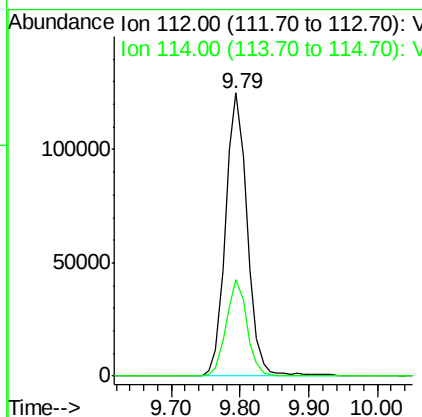
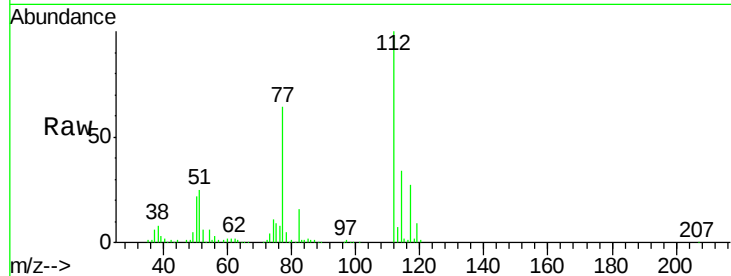
#65
Chlorobenzene
Concen: 50.598 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion:112 Resp: 273399
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.0

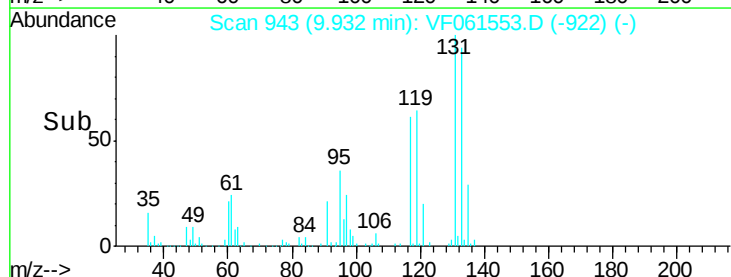
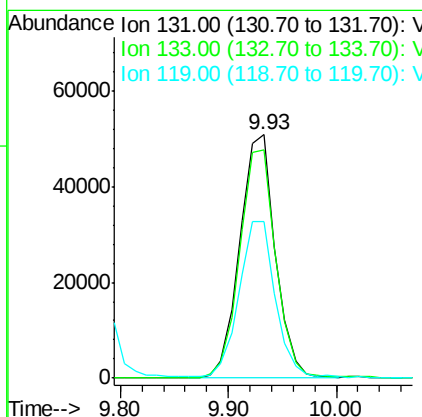
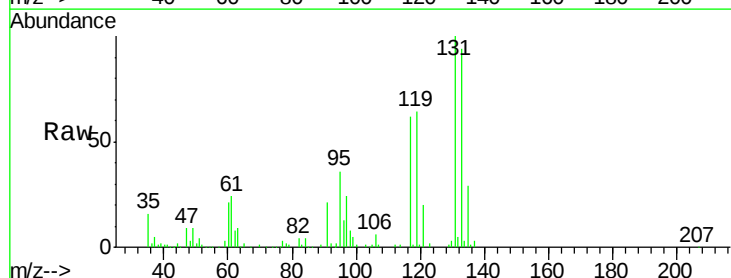
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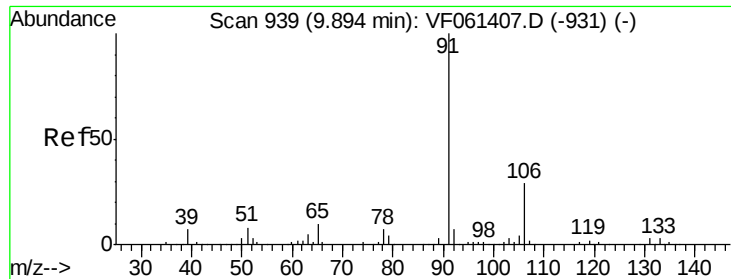
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.063 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion:131 Resp: 116372
Ion Ratio Lower Upper
131 100
133 93.7 47.4 142.2
119 64.2 33.1 99.3





#67

Ethyl Benzene

Concen: 50.093 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 91 Resp: 494528

Ion Ratio Lower Upper

91 100

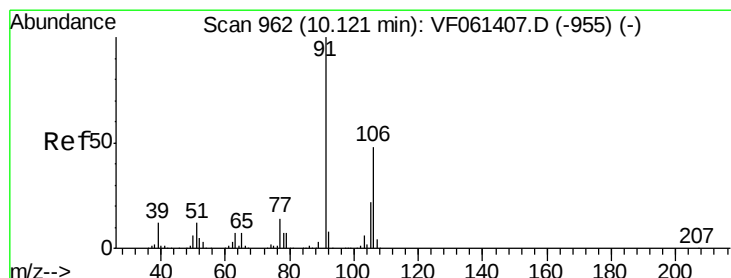
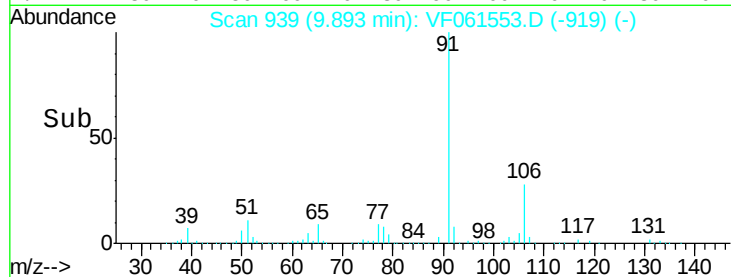
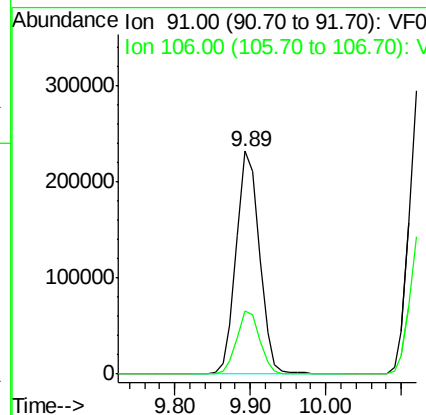
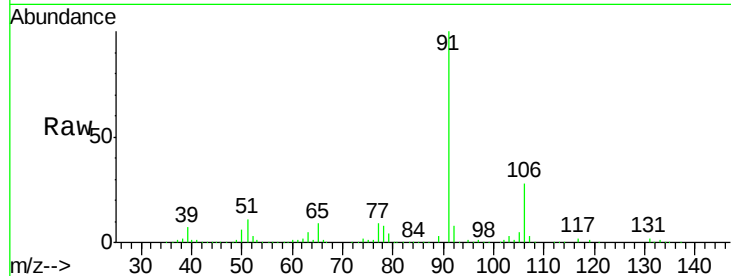
106 28.2 23.1 34.7

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#68

m/p-Xylenes

Concen: 92.733 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061553.D

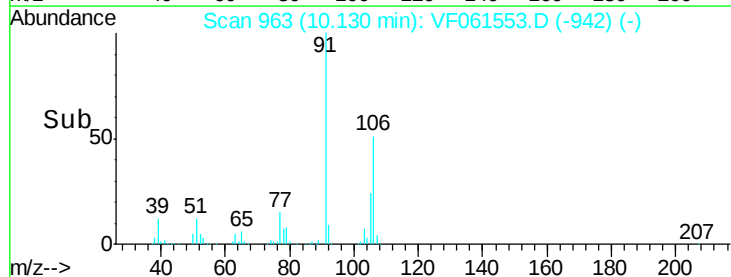
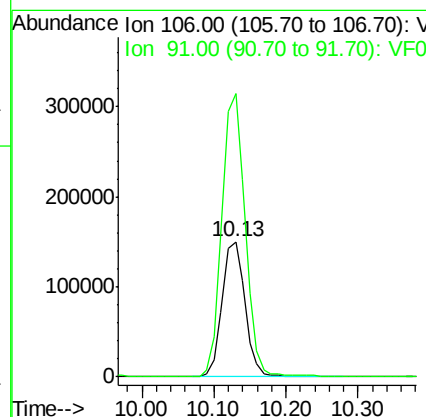
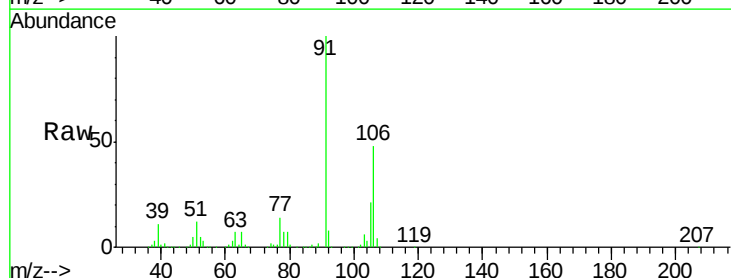
Acq: 7 Feb 2019 19:08

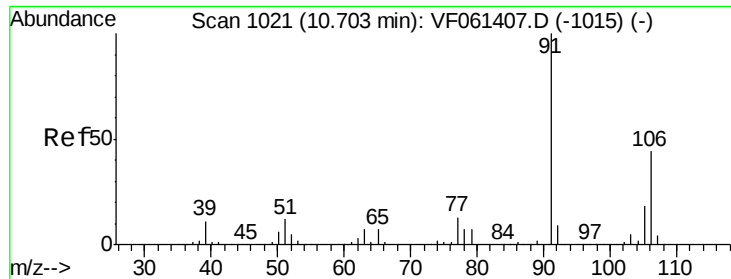
Tgt Ion: 106 Resp: 329268

Ion Ratio Lower Upper

106 100

91 209.4 166.2 249.4





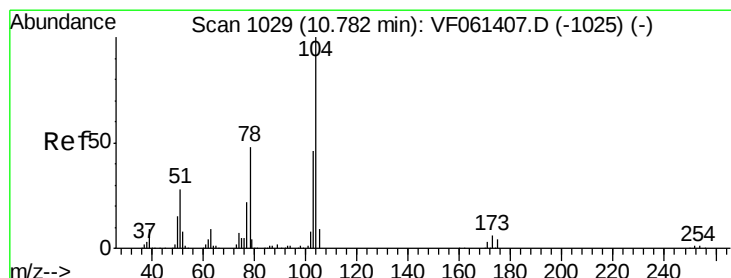
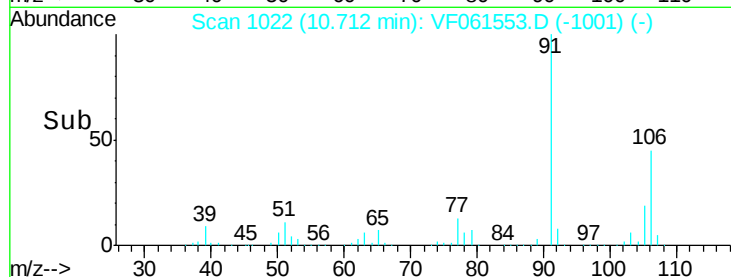
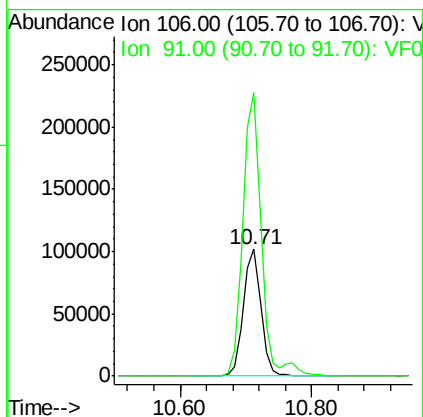
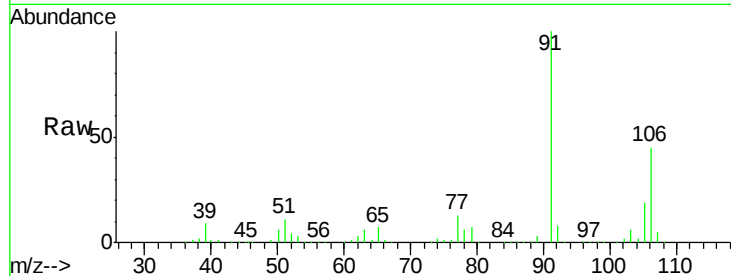
#69
o-Xylene
Concen: 50.471 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion:106 Resp: 194229
Ion Ratio Lower Upper
106 100
91 222.6 113.3 339.8

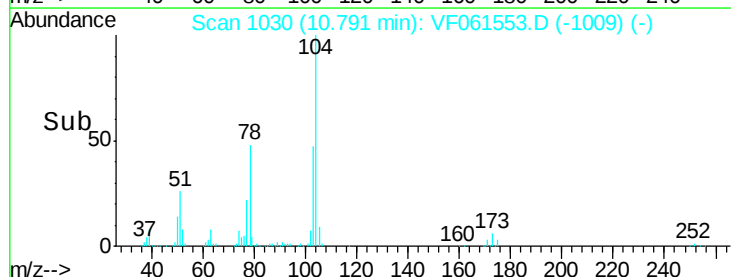
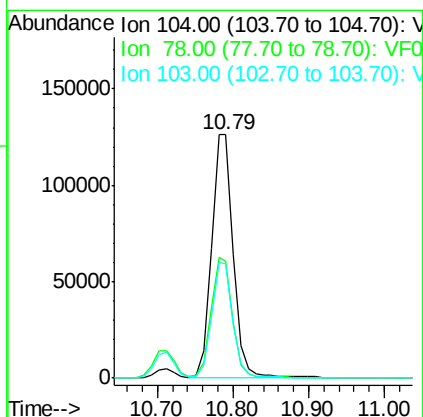
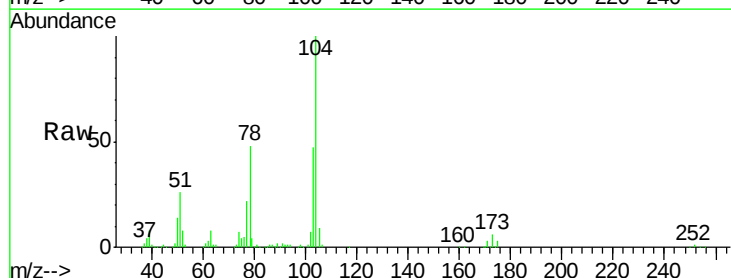
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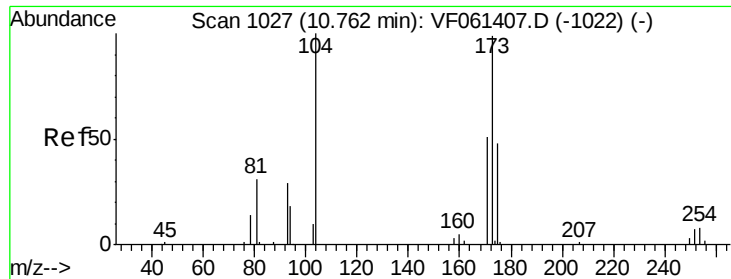
MMDadoda
2/11/2019 12:36:33 PM



#70
Styrene
Concen: 48.221 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion:104 Resp: 254015
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 47.2 37.0 55.6





#71

Bromoform

Concen: 63.618 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:173 Resp: 61528

Ion Ratio Lower Upper

173 100

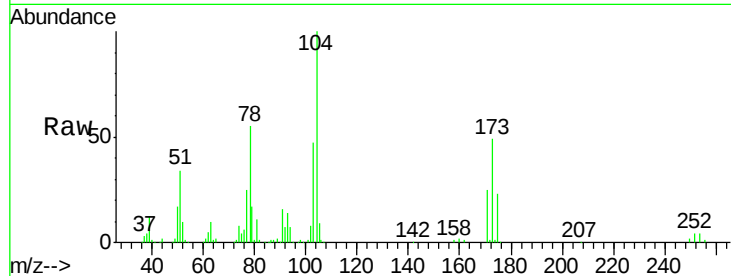
175 48.1 24.1 72.4

254 8.1 0.0 0.0#

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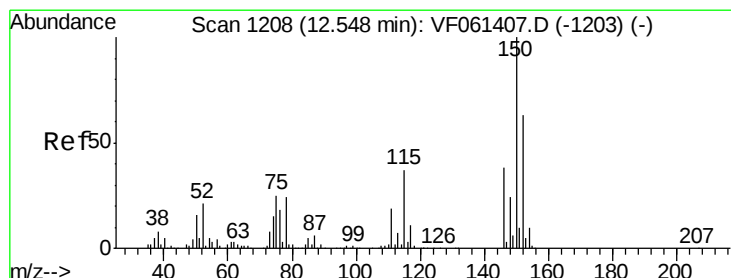
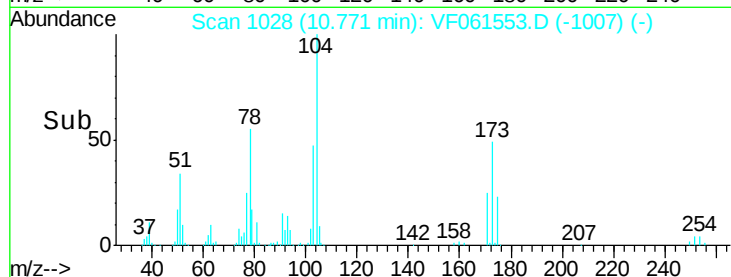
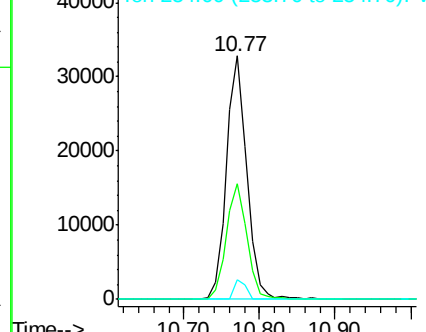
2/11/2019 12:36:33 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

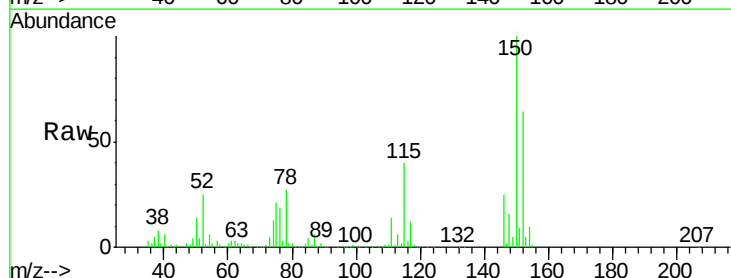
Tgt Ion:152 Resp: 130728

Ion Ratio Lower Upper

152 100

115 63.1 30.0 90.0

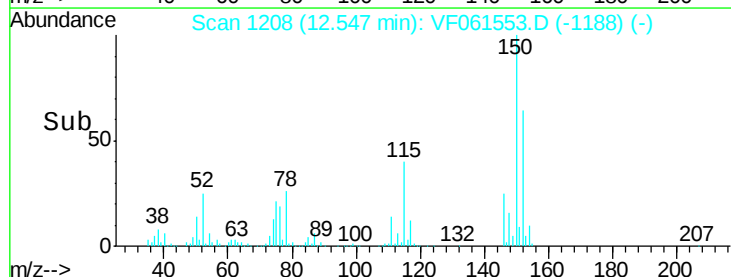
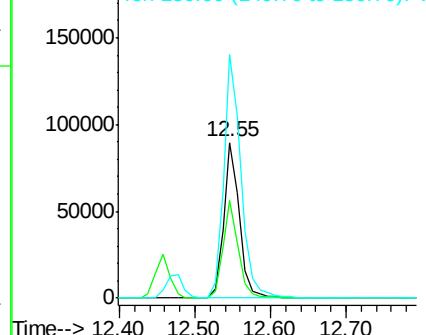
150 156.8 0.0 321.4

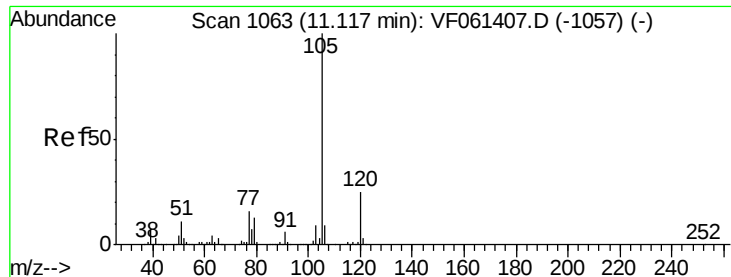


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.234 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 105 Resp: 544738

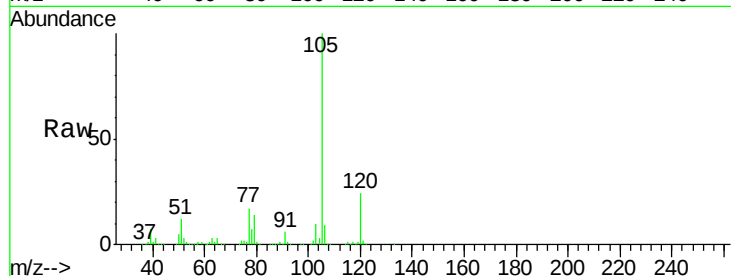
Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

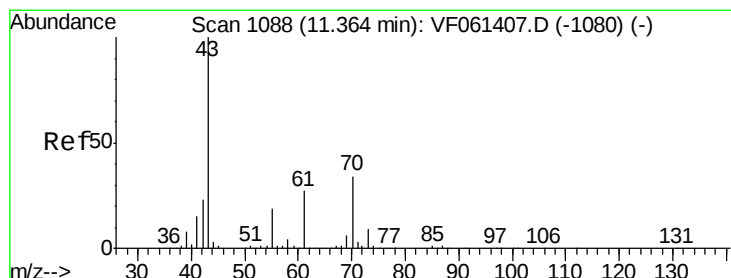
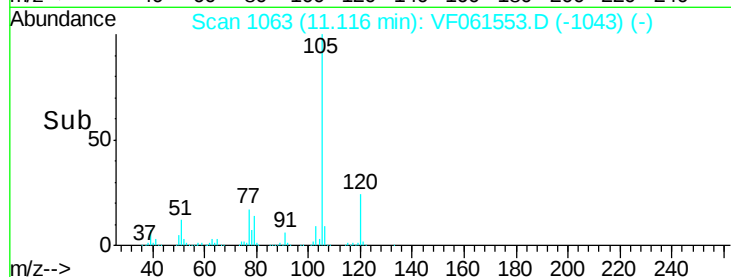
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 60.672 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion: 43 Resp: 152539

Ion Ratio Lower Upper

43 100

70 34.6 27.6 41.4

55 19.9 15.4 23.2

61 24.9 21.8 32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

120000

100000

80000

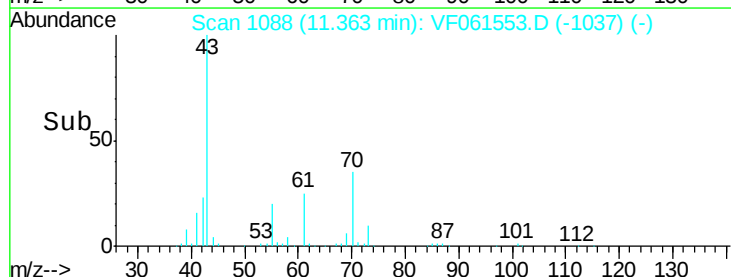
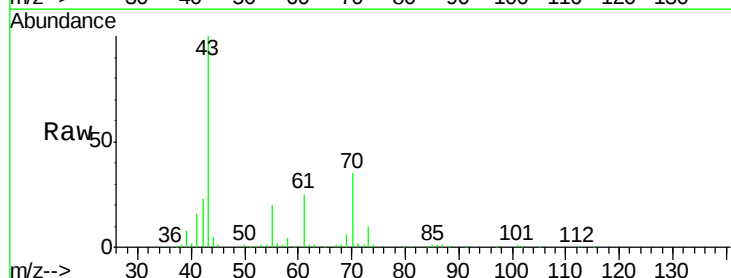
60000

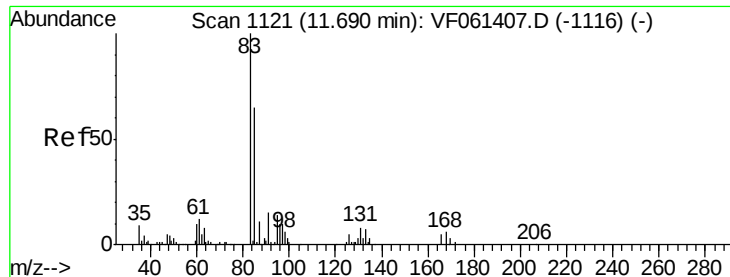
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.658 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion: 83 Resp: 107318
Ion Ratio Lower Upper

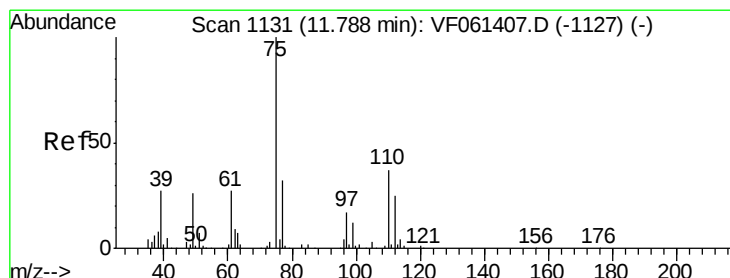
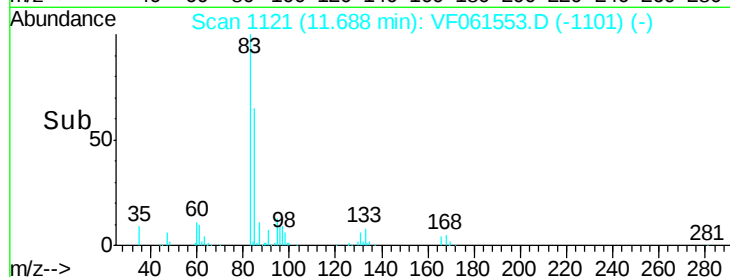
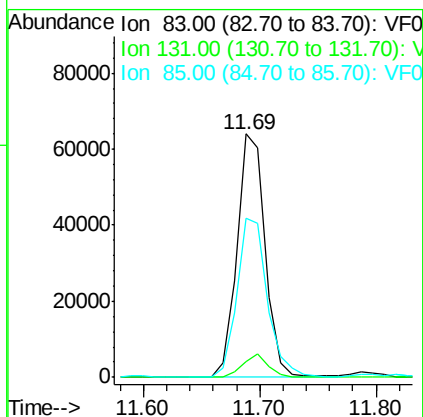
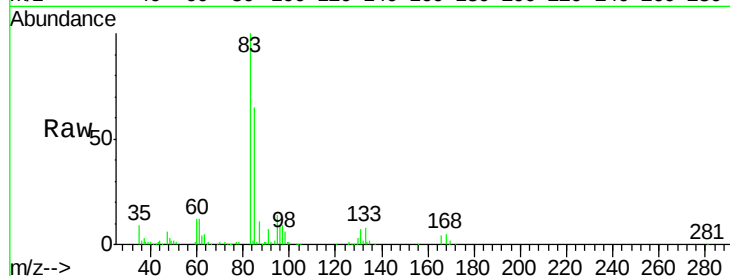
83 100

131 6.7 4.0 12.2

85 65.2 32.7 98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.356 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.00 min

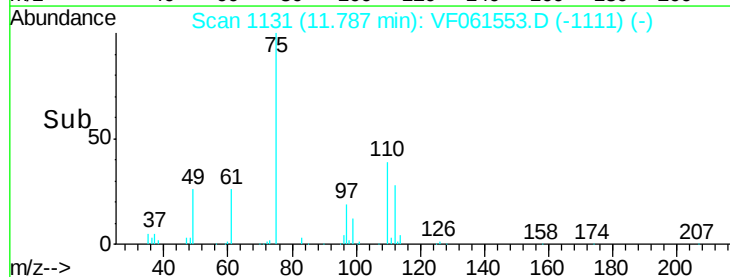
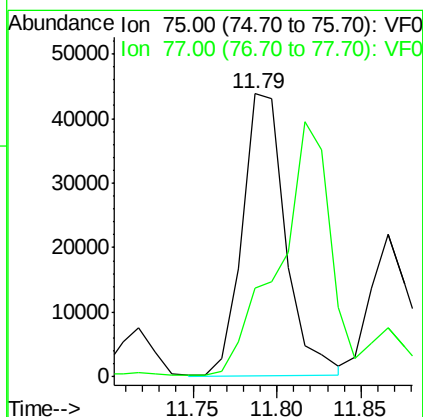
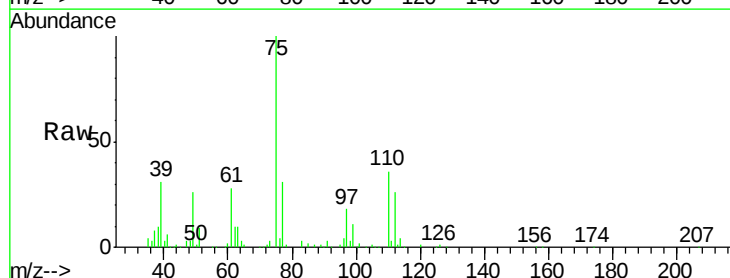
Lab File: VF061553.D

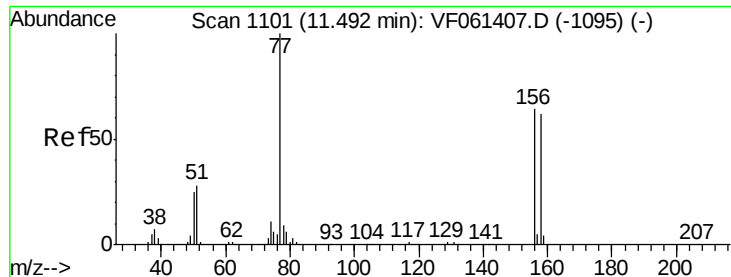
Acq: 7 Feb 2019 19:08

Tgt Ion: 75 Resp: 78063
Ion Ratio Lower Upper

75 100

77 31.5 16.1 48.3





#77

Bromobenzene

Concen: 55.464 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

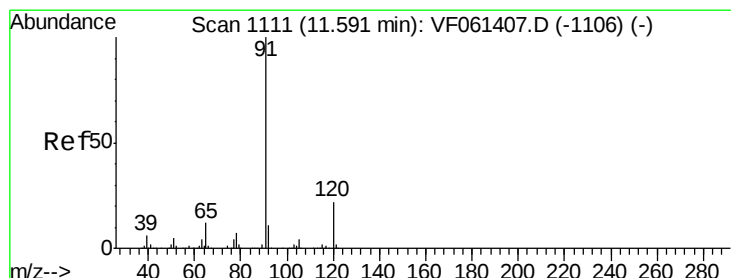
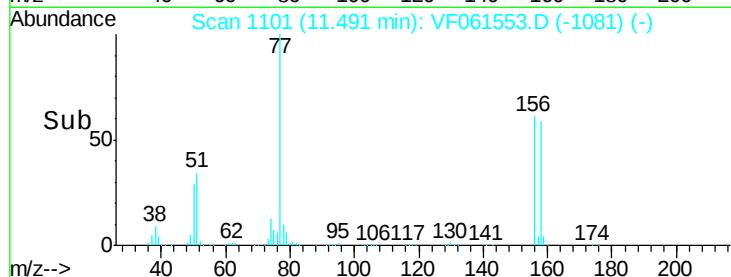
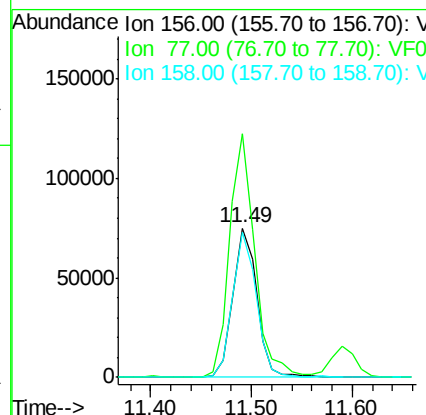
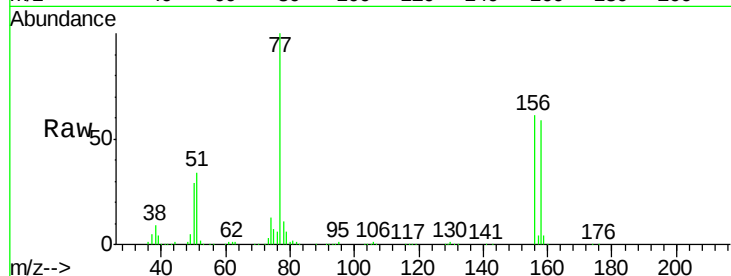
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.4	78.3	234.9
158	96.9	48.9	146.7

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#78

n-propylbenzene

Concen: 45.810 ug/l

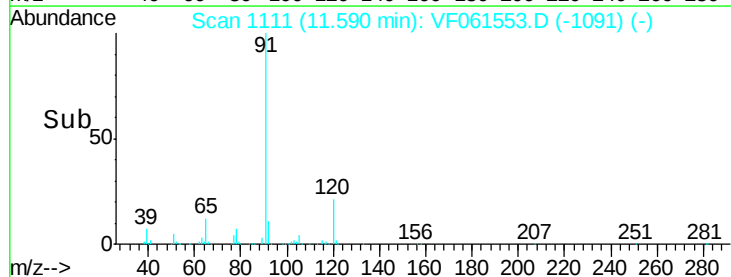
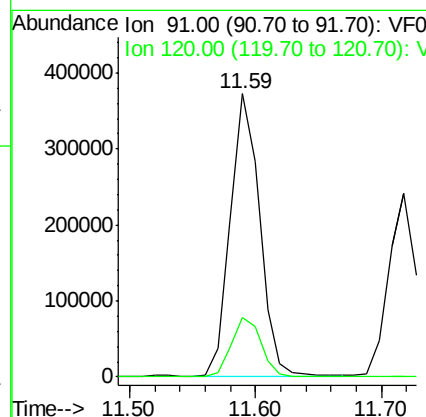
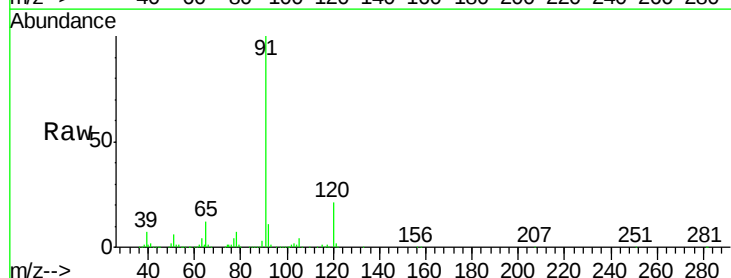
RT: 11.59 min Scan# 1111

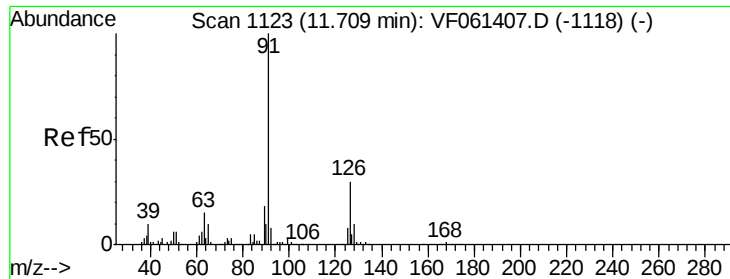
Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.9	32.6





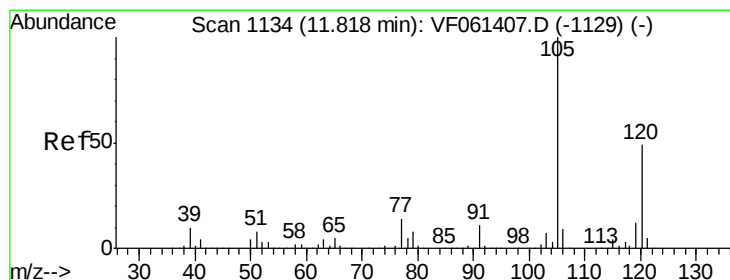
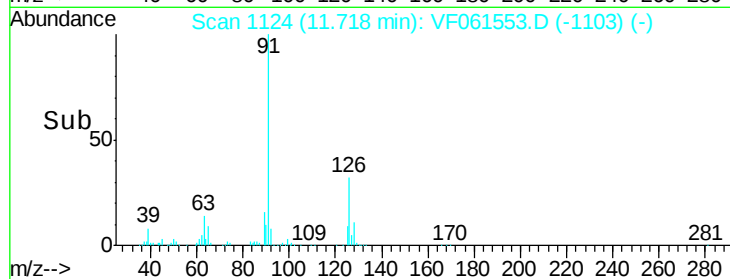
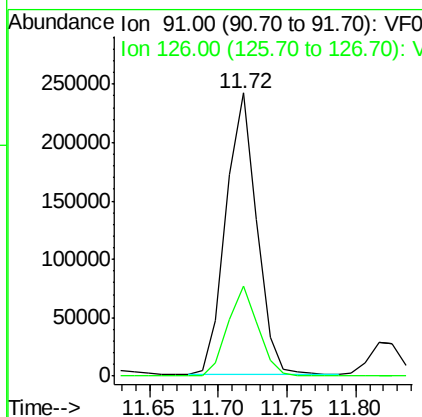
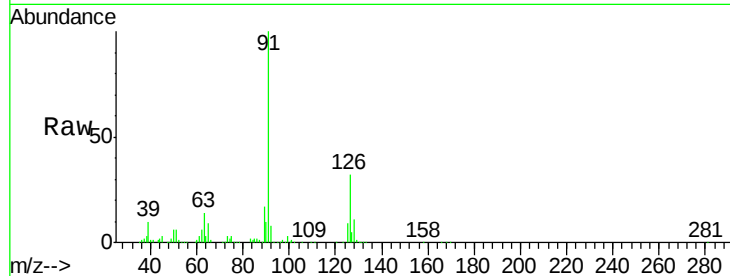
#79
 2-Chlorotoluene
 Concen: 50.834 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion: 91 Resp: 375009
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.0 45.1

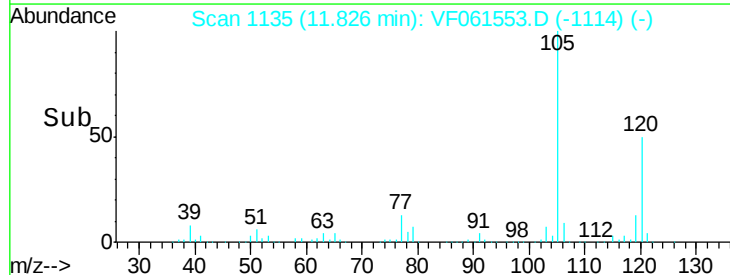
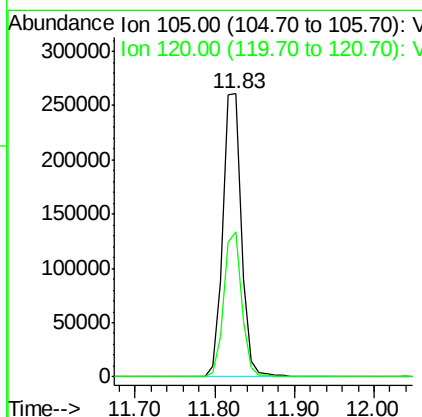
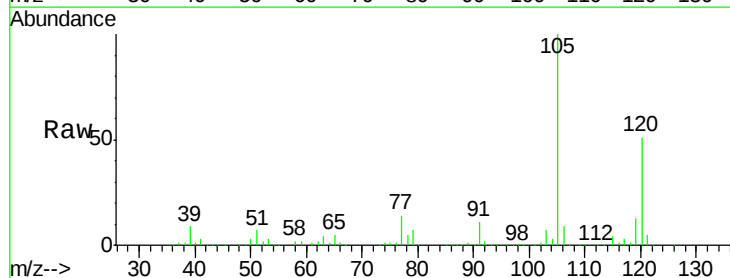
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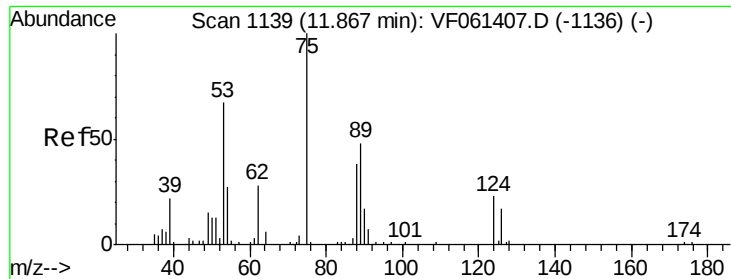
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.941 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion: 105 Resp: 437093
 Ion Ratio Lower Upper
 105 100
 120 51.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 60.173 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

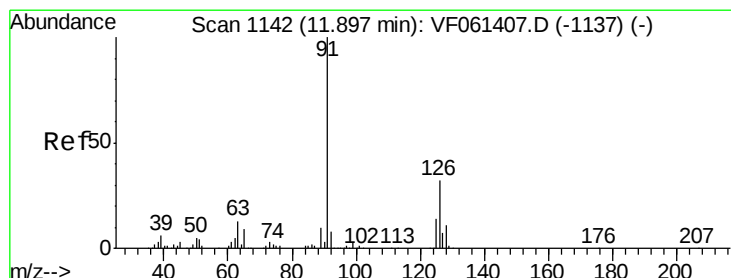
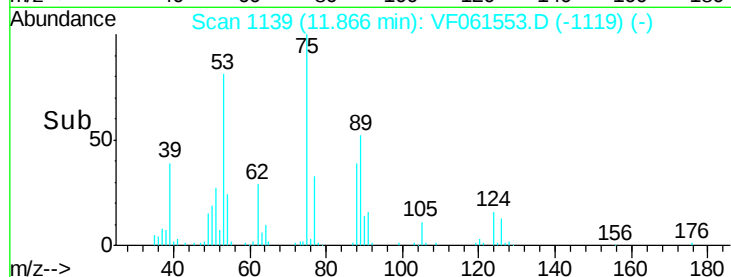
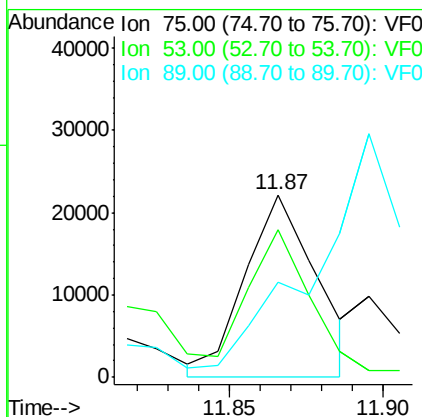
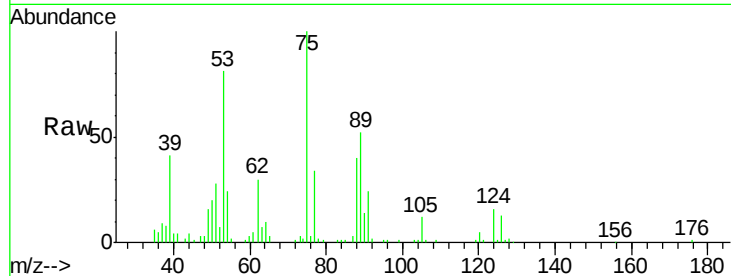
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	75	Resp:	35601
Ion	Ratio	Lower	Upper
75	100		
53	80.6	57.8	86.6
89	52.2	40.7	61.1

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#82

4-Chlorotoluene

Concen: 50.110 ug/l

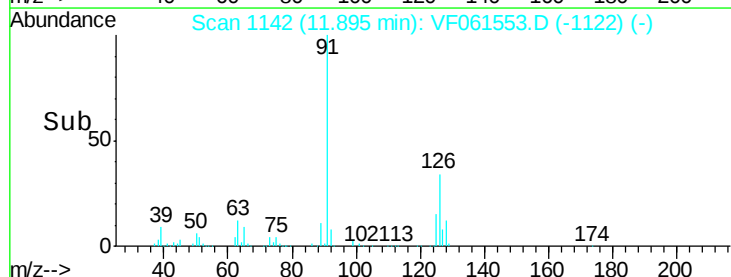
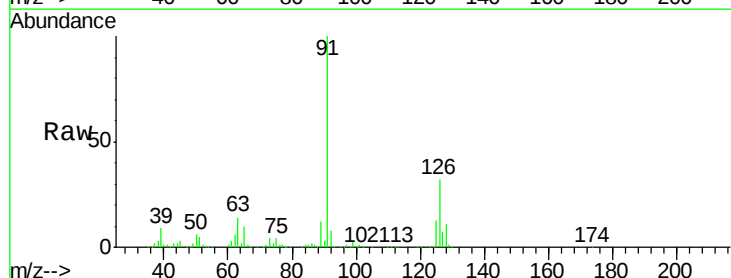
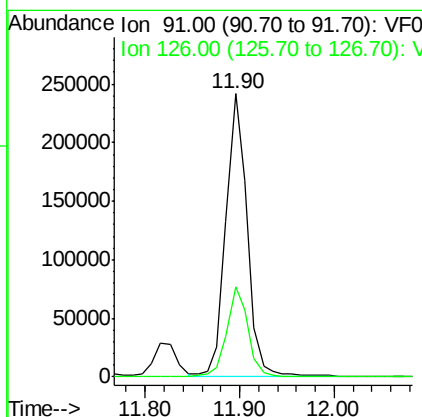
RT: 11.90 min Scan# 1142

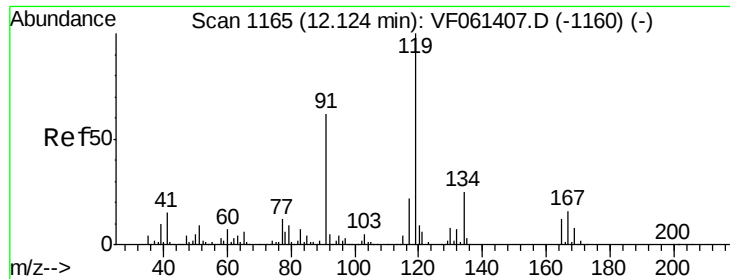
Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	91	Resp:	373034
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





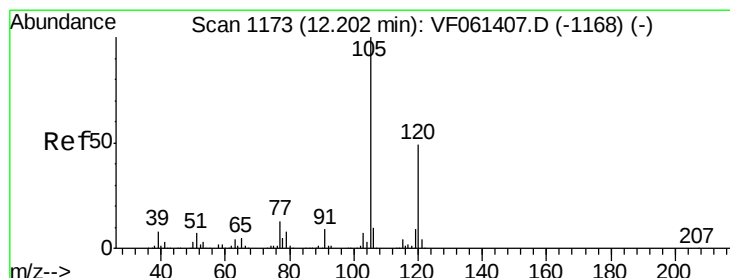
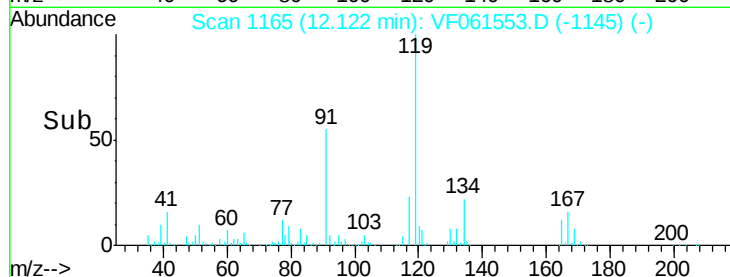
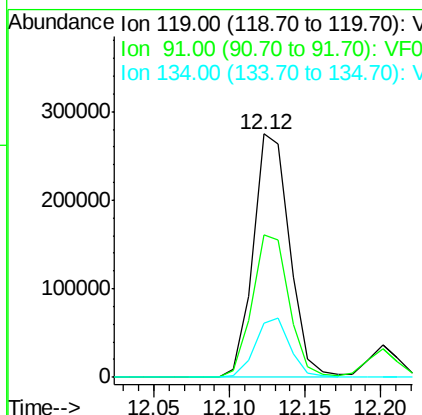
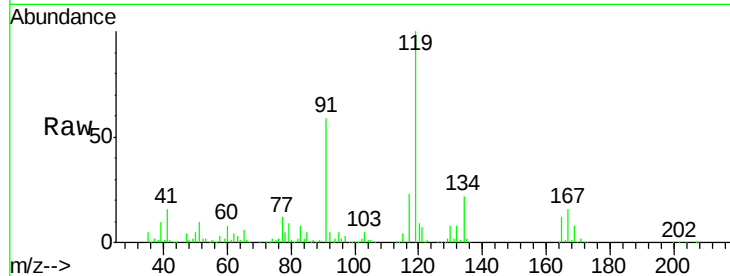
#83
 tert-Butylbenzene
 Concen: 52.232 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463876		
91	58.8		31.3	93.8
134	22.4		12.4	37.0

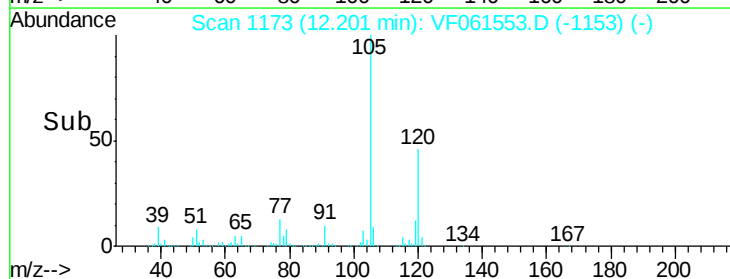
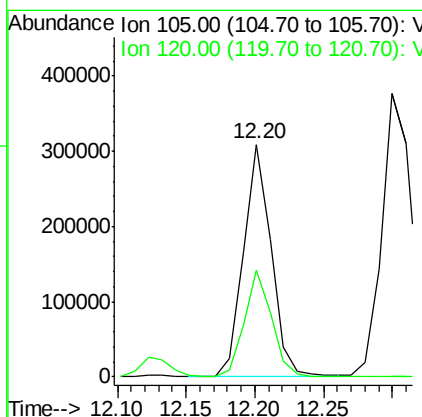
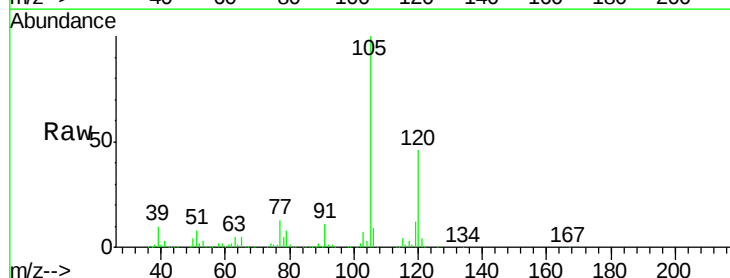
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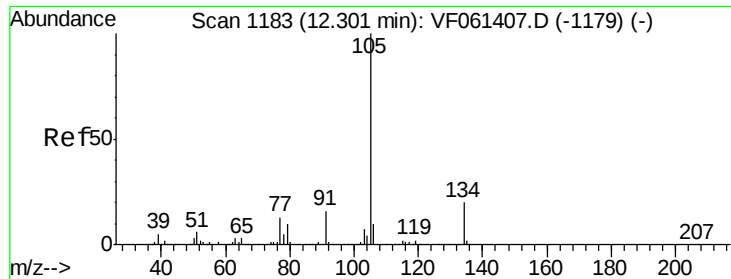
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.311 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435823		
120	46.0		24.9	74.6





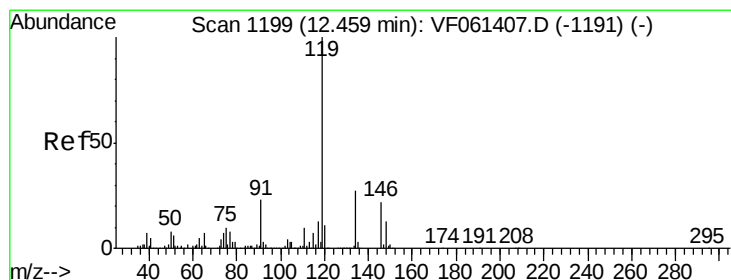
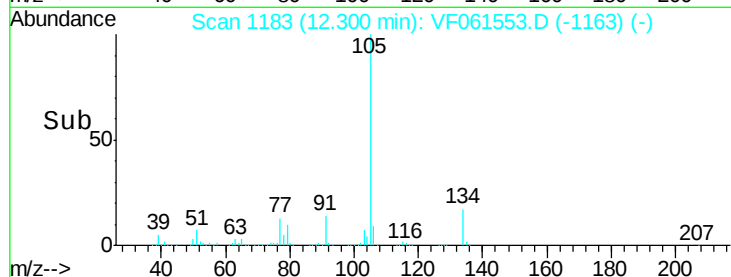
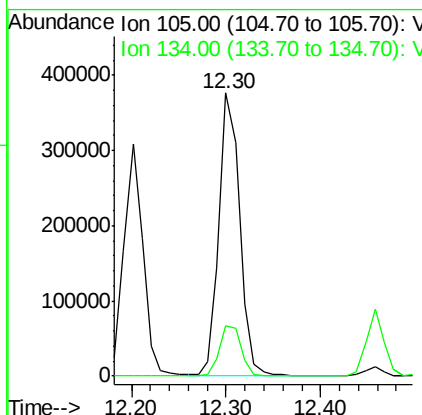
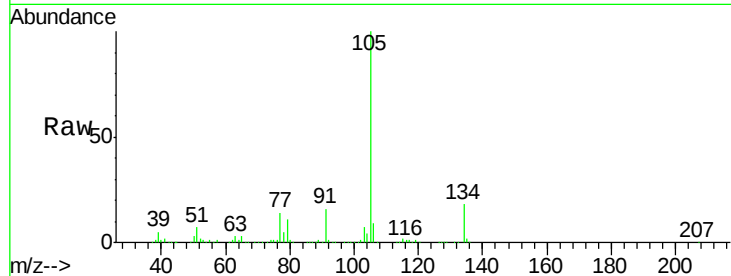
#85
 sec-Butylbenzene
 Concen: 47.702 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	10.0	30.0

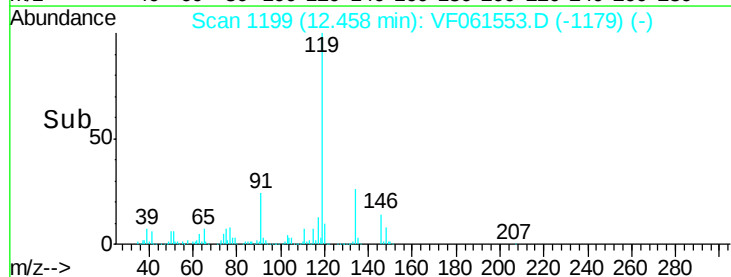
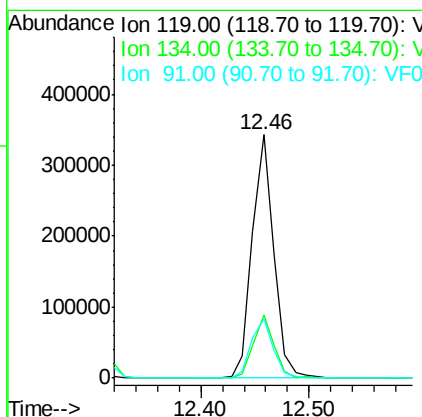
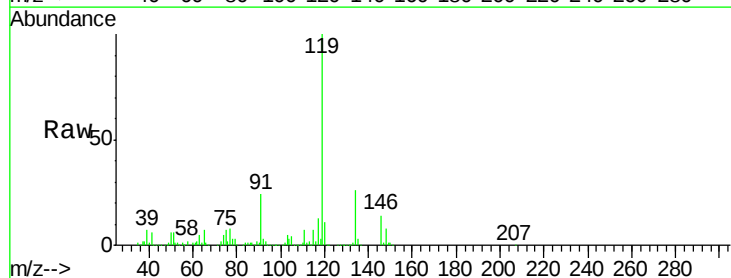
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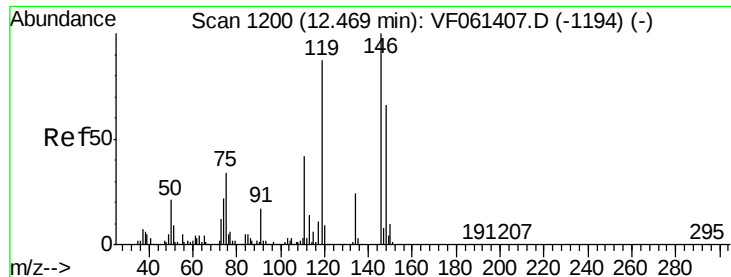
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#86
 p-Isopropyltoluene
 Concen: 47.826 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	24.4	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 48.233 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Instrument :

MSVOA_F

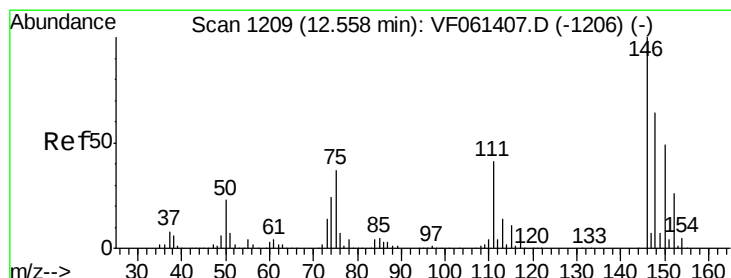
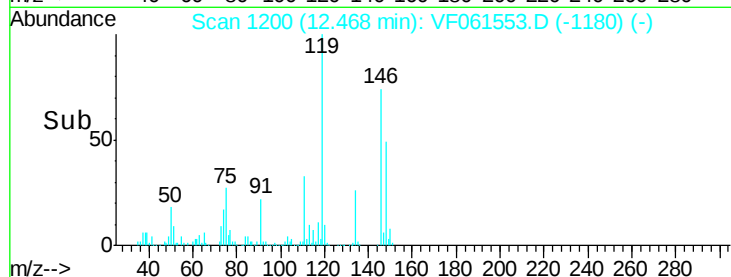
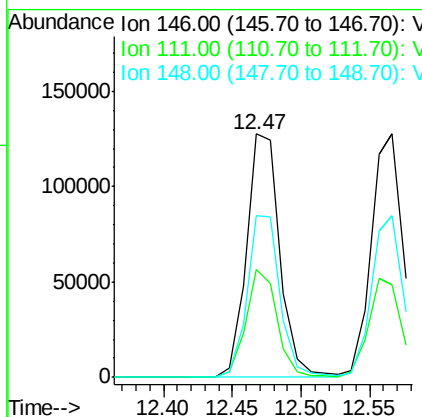
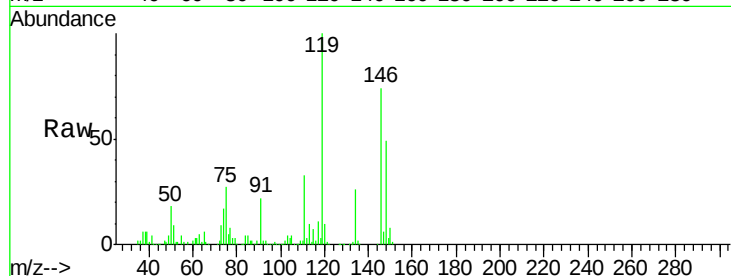
ClientSampleId :

A0C12-SS1-7.5-8.0MSD

Tot Ion:	146	Resp:	216127
Ion Ratio	Lower	Upper	
146	100		
111	44.2	21.1	63.4
148	66.5	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.868 ug/l

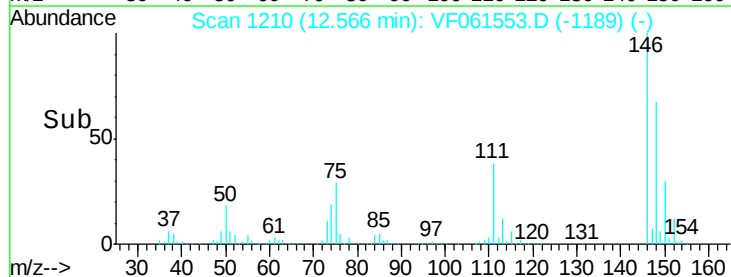
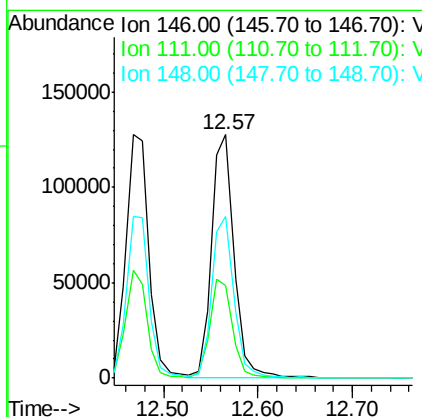
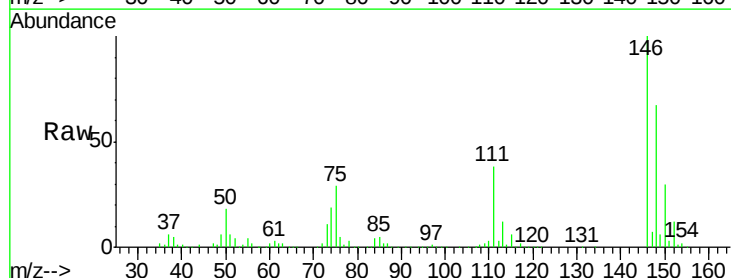
RT: 12.57 min Scan# 1210

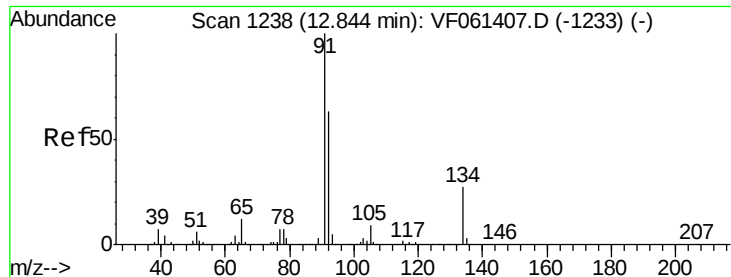
Delta R.T. 0.01 min

Lab File: VF061553.D

Acq: 7 Feb 2019 19:08

Tgt Ion:	146	Resp:	211599
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.8	62.2
148	66.6	32.1	96.5





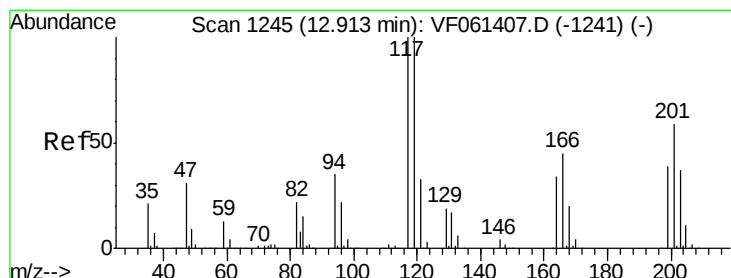
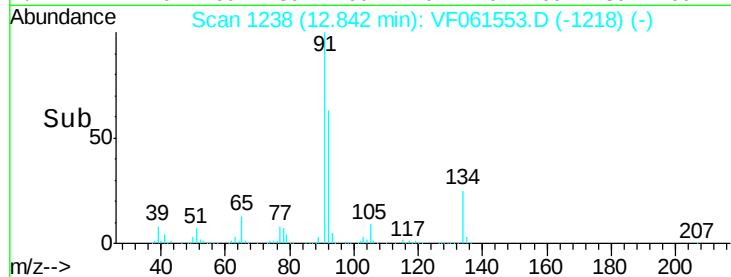
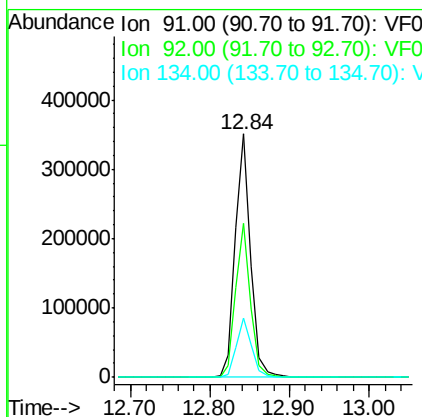
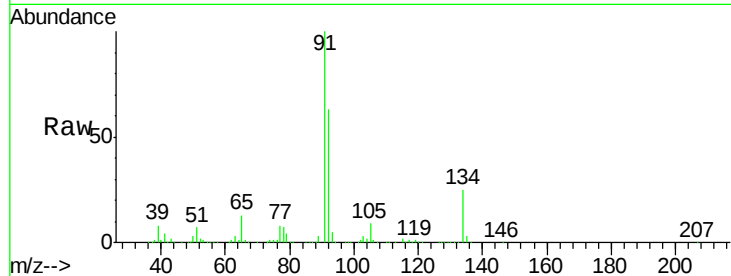
#89
n-Butylbenzene
Concen: 46.507 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	31.6	94.7
134	24.5	13.6	40.8

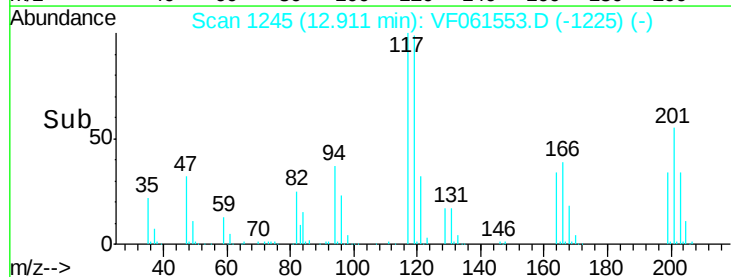
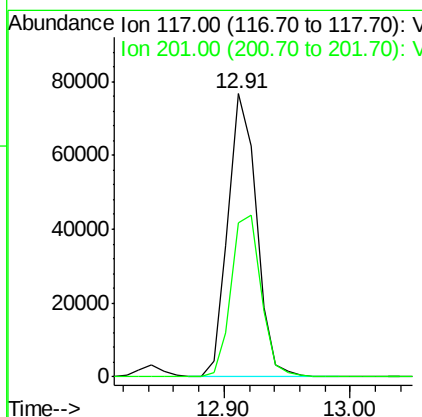
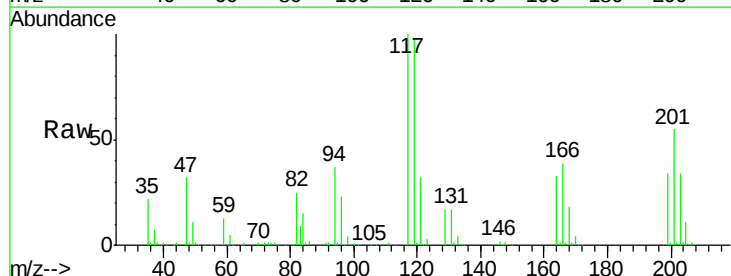
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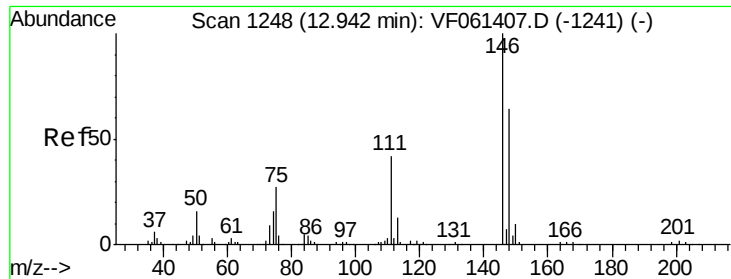
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#90
Hexachloroethane
Concen: 51.631 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.6	29.3	87.8





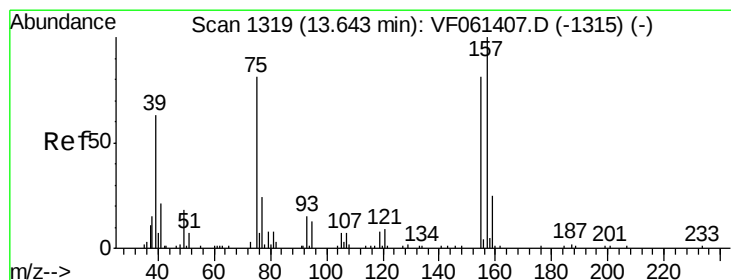
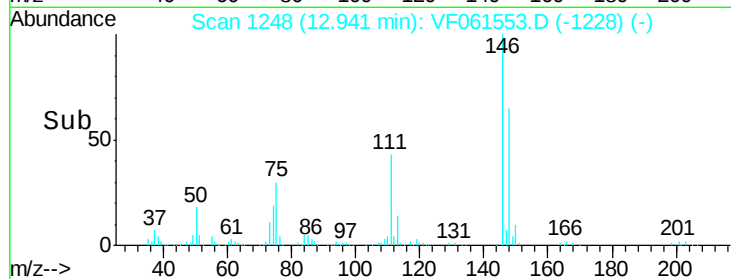
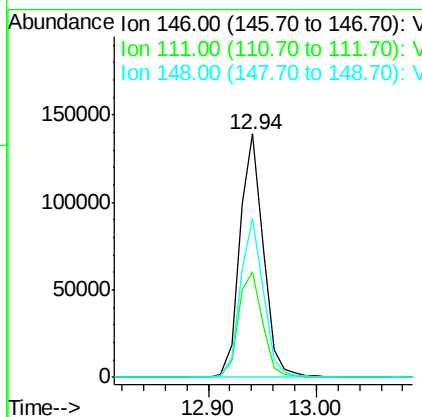
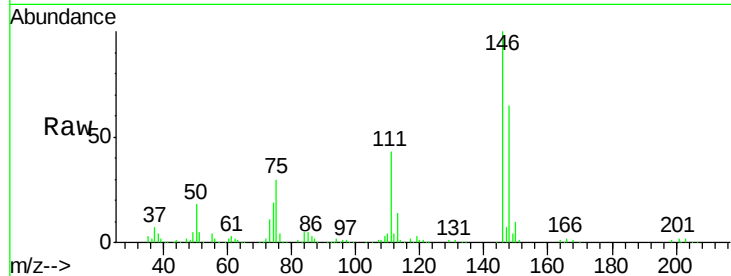
#91
 1,2-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	65.1	31.9	95.7

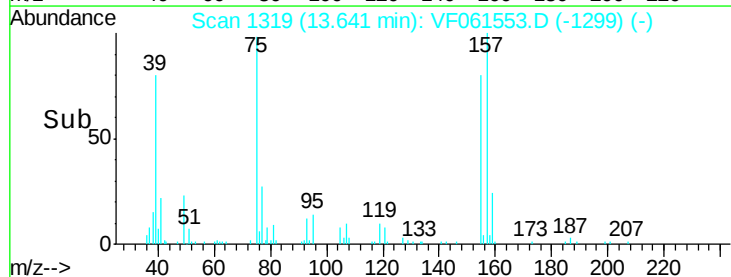
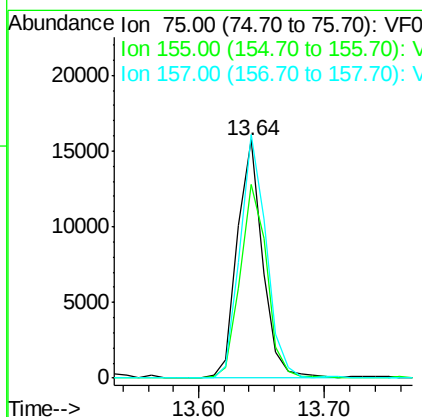
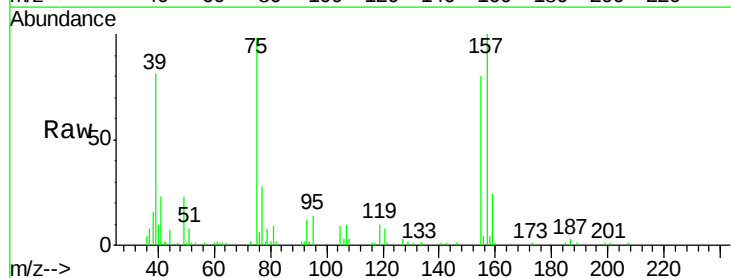
Manual Integrations
 APPROVED

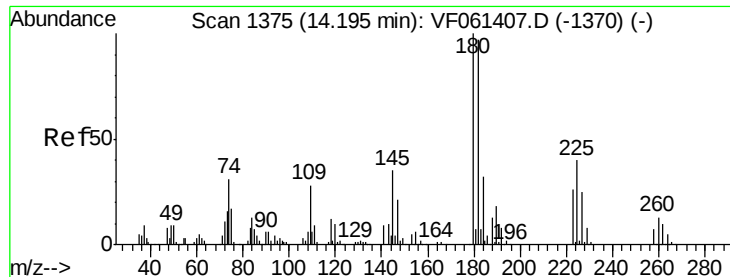
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.862 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	49.7	149.1
157	102.3	61.4	184.1





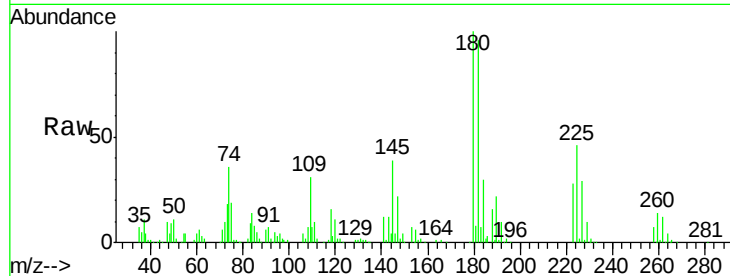
#93
 1,2,4-Trichlorobenzene
 Concen: 50.640 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MSD

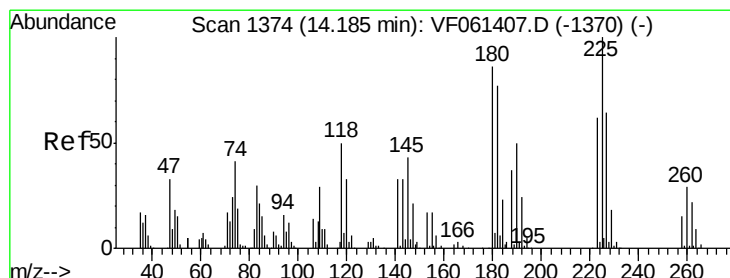
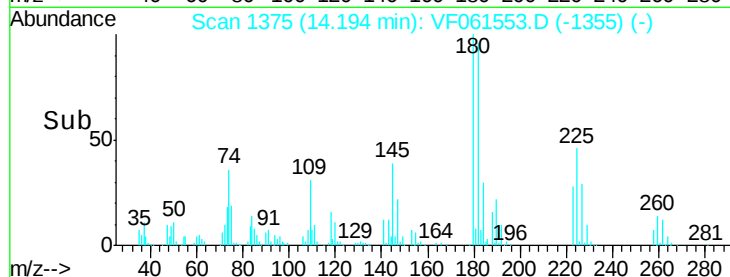
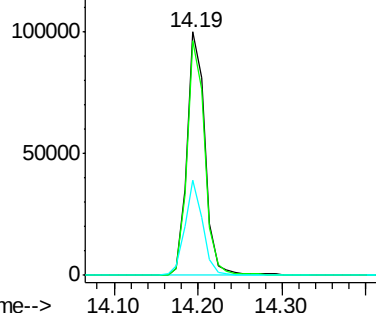
Tot Ion	Ratio	Resp	Lower	Upper
180	100	149011		
182	96.2	48.5	145.6	
145	39.0	17.5	52.6	

Manual Integrations
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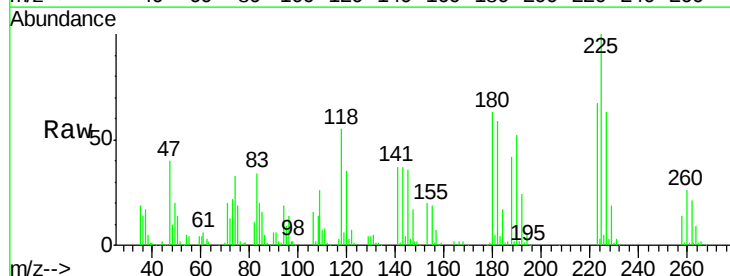


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

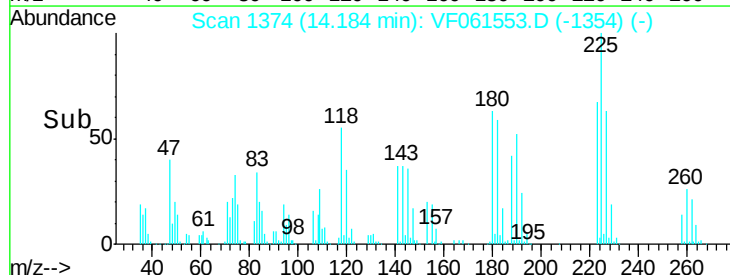
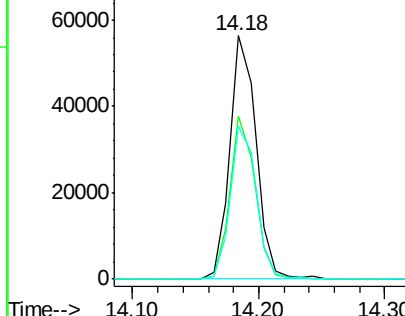


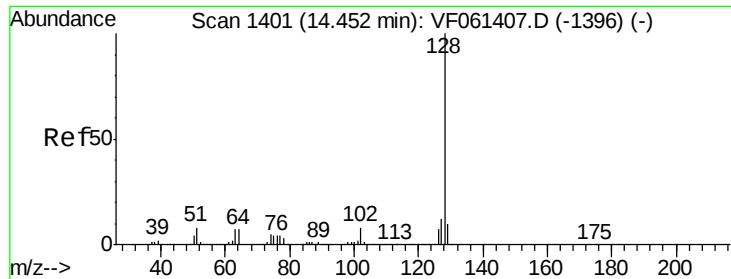
#94
 Hexachlorobutadiene
 Concen: 44.393 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061553.D
 Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81059		
223	66.7	31.1	93.2	
227	62.6	32.2	96.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





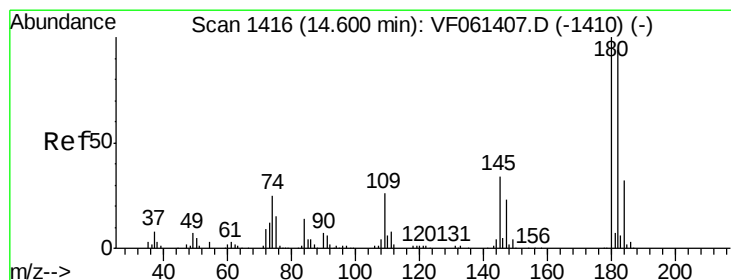
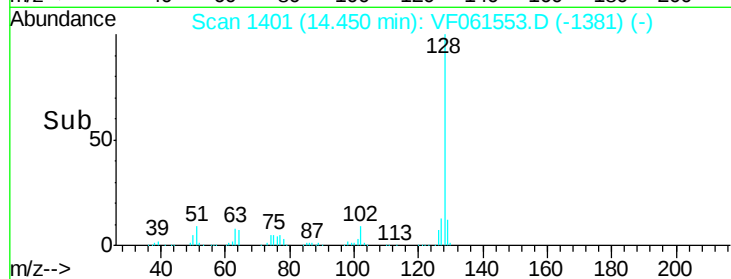
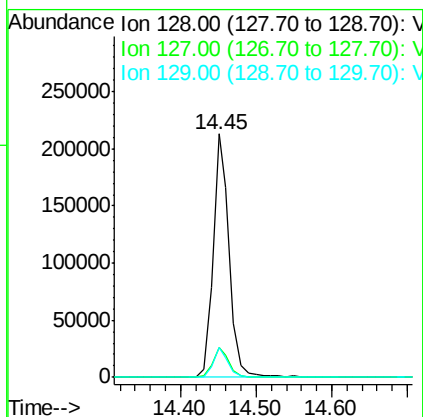
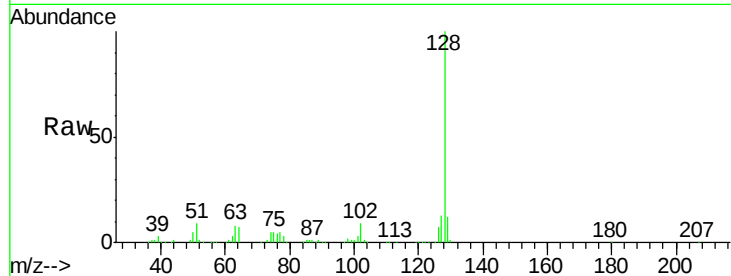
#95
Naphthalene
Concen: 57.166 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	319597		
127	12.5		9.5	14.3
129	12.1		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.082 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061553.D
Acq: 7 Feb 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	139145		
182	94.3		47.0	141.2
145	34.8		17.1	51.2

