

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061828.D
 Acq On : 4 Mar 2019 19:24
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVVF030419

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:52 AM

Quant Time: Mar 05 05:33:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	307777	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	448941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	389189	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	204084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	113899	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	4.11	113	154195	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	7.56	98	490583	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.41	95	187744	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	177592	50.245	ug/l	96
3) Chloromethane	1.11	50	170668	46.021	ug/l	94
4) Vinyl Chloride	1.14	62	170938	49.583	ug/l	93
5) Bromomethane	1.33	94	116274	49.005	ug/l	94
6) Chloroethane	1.38	64	86945	51.176	ug/l	99
7) Trichlorofluoromethane	1.50	101	213539m	51.355	ug/l	
8) Diethyl Ether	1.64	74	46342	44.224	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.83	101	152207	50.741	ug/l #	93
10) Methyl Iodide	1.91	142	276369m	48.231	ug/l	
11) Tert butyl alcohol	2.58	59	31452	240.791	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	138561	52.538	ug/l	93
13) Acrolein	2.00	56	43979	267.894	ug/l	97
14) Allyl chloride	2.10	41	150026	46.357	ug/l	98
15) Acrylonitrile	2.95	53	103794	224.026	ug/l	95
16) Acetone	2.24	43	112358	232.027	ug/l	95
17) Carbon Disulfide	1.85	76	427597m	51.580	ug/l	
18) Methyl Acetate	2.35	43	49923	45.764	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	240194	53.290	ug/l	98
20) Methylene Chloride	2.18	84	134368m	45.934	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	137187	47.850	ug/l	96
22) Diisopropyl ether	2.80	45	399222	51.390	ug/l	99
23) Vinyl Acetate	3.20	43	919183	242.249	ug/l	99
24) 1,1-Dichloroethane	2.87	63	237260	50.468	ug/l	98
25) 2-Butanone	4.34	43	230675	218.082	ug/l	97
26) 2,2-Dichloropropane	3.60	77	106489	53.476	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	180379	47.933	ug/l	96
28) Bromochloromethane	3.72	49	99380	44.057	ug/l	97
29) Tetrahydrofuran	4.08	42	101120	210.337	ug/l	98
30) Chloroform	3.87	83	262686	49.133	ug/l	98
31) Cyclohexane	3.69	56	239764	47.111	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	177546	50.695	ug/l	99
36) 1,1-Dichloropropene	4.28	75	220614	49.606	ug/l	93
37) Ethyl Acetate	4.11	43	89505	43.330	ug/l #	72
38) Carbon Tetrachloride	4.00	117	160723	52.337	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	260763	49.578	ug/l	97
40) Benzene	4.64	78	571781	49.153	ug/l	99
41) Methacrylonitrile	4.76	41	49671	47.020	ug/l	93
42) 1,2-Dichloroethane	4.94	62	144167	51.810	ug/l	98
43) Isopropyl Acetate	6.96	43	115449	47.216	ug/l #	100
44) Trichloroethene	5.50	130	171126	45.491	ug/l	94
45) 1,2-Dichloropropane	6.24	63	139968	49.778	ug/l	99
46) Dibromomethane	6.09	93	89797	51.868	ug/l	84
47) Bromodichloromethane	6.39	83	192098	50.669	ug/l	98
48) Methyl methacrylate	6.73	41	69781	47.424	ug/l	93
49) 1,4-Dioxane	6.71	88	13430	970.920	ug/l #	86
51) 4-Methyl-2-Pentanone	8.27	43	395022	226.101	ug/l	100
52) Toluene	7.62	92	359569	50.966	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	158667	50.286	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	212812	50.635	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	96755	46.678	ug/l	95
56) Ethyl methacrylate	8.62	69	110732	47.982	ug/l	94
57) 1,3-Dichloropropane	8.86	76	162942	47.095	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	90157	226.423	ug/l	95
59) 2-Hexanone	9.50	43	281012	229.459	ug/l	98
60) Dibromochloromethane	8.72	129	145652	50.484	ug/l	98
61) 1,2-Dibromoethane	8.99	107	111212	49.466	ug/l	99
64) Tetrachloroethene	8.16	164	161103	50.643	ug/l	94
65) Chlorobenzene	9.80	112	388600	49.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	154916	50.059	ug/l	99
67) Ethyl Benzene	9.90	91	673085	51.249	ug/l	99
68) m/p-Xylenes	10.13	106	489048	97.296	ug/l	99
69) o-Xylene	10.71	106	270538	50.441	ug/l	88
70) Styrene	10.79	104	356495	46.985	ug/l	97
71) Bromoform	10.77	173	78925	46.967	ug/l	98
73) Isopropylbenzene	11.13	105	755107	51.967	ug/l	99
74) N-amyl acetate	11.37	43	176145	50.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127904	49.134	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	86325	48.775	ug/l	98
77) Bromobenzene	11.50	156	179529	50.013	ug/l	98
78) n-propylbenzene	11.60	91	849346	50.938	ug/l	99
79) 2-Chlorotoluene	11.72	91	494441	52.948	ug/l	91
80) 1,3,5-Trimethylbenzene	11.83	105	612976	52.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	43128m	50.829	ug/l	
82) 4-Chlorotoluene	11.90	91	481470	49.674	ug/l	100
83) tert-Butylbenzene	12.13	119	663866	51.611	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	573925	49.744	ug/l	100
85) sec-Butylbenzene	12.31	105	841396	50.583	ug/l	100
86) p-Isopropyltoluene	12.46	119	713054	51.079	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	338334	48.347	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	333650	49.575	ug/l	98
89) n-Butylbenzene	12.84	91	635922	48.242	ug/l	98
90) Hexachloroethane	12.92	117	173962	53.582	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	312651	46.971	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20710	50.178	ug/l	92

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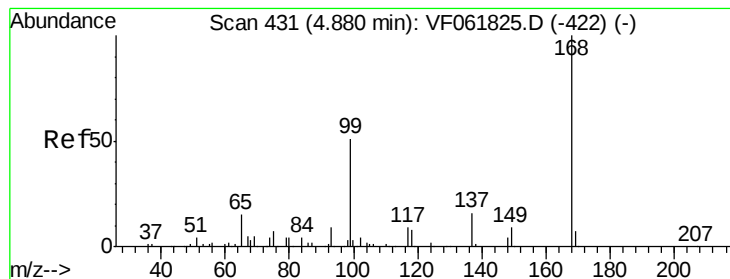
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	222654	46.667	ug/l	99
94) Hexachlorobutadiene	14.19	225	154889	52.565	ug/l	99
95) Naphthalene	14.46	128	421274	50.467	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	212060	48.425	ug/l	99

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



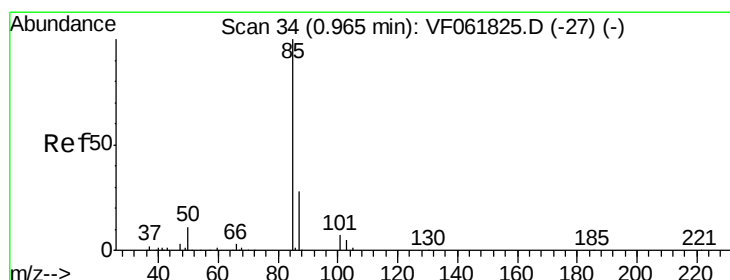
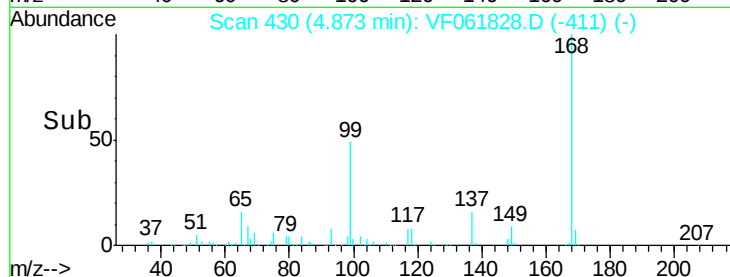
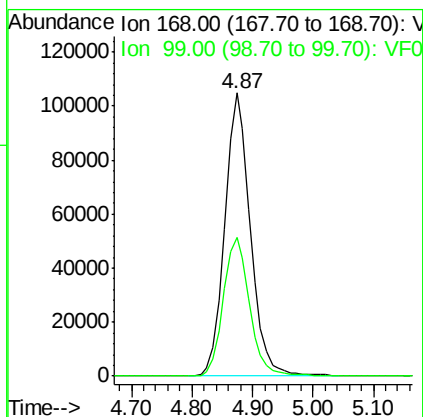
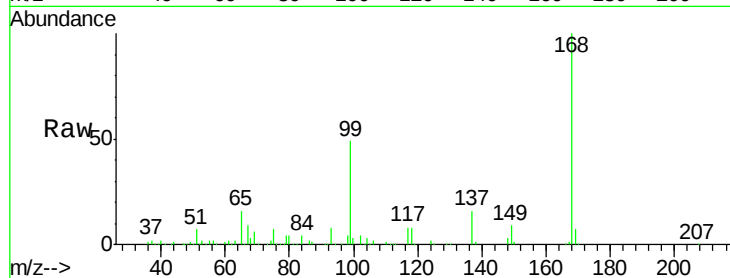
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	34.9	52.3

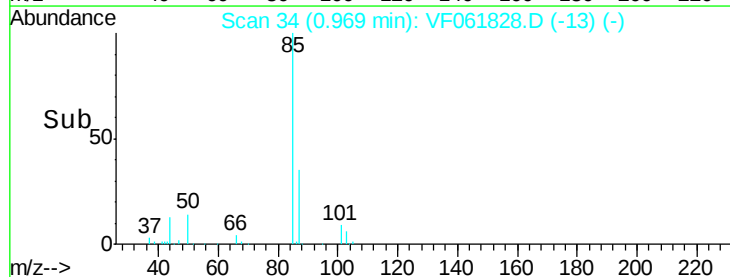
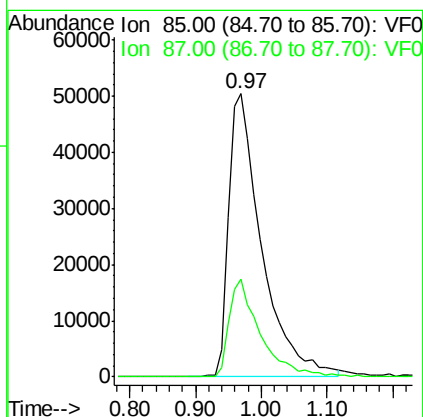
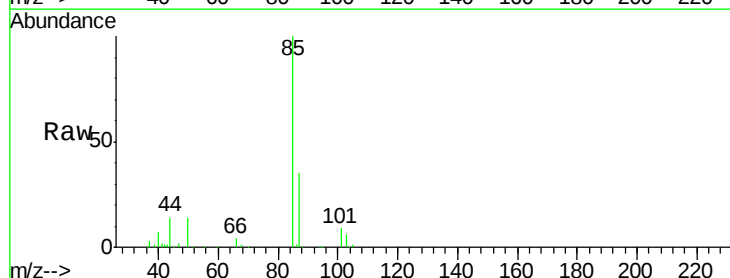
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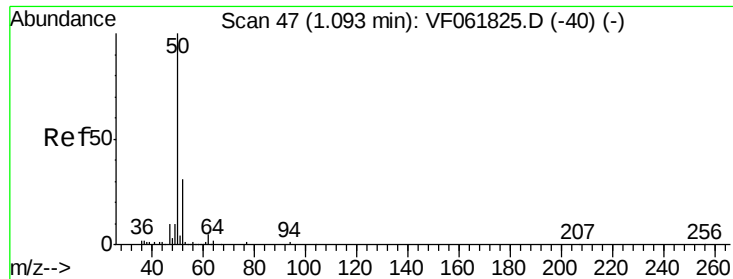
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#2
Dichlorodifluoromethane
Concen: 50.245 ug/l
RT: 0.97 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.6	16.1	48.2





#3

Chloromethane

Concen: 46.021 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 50 Resp: 170668

Ion Ratio Lower Upper

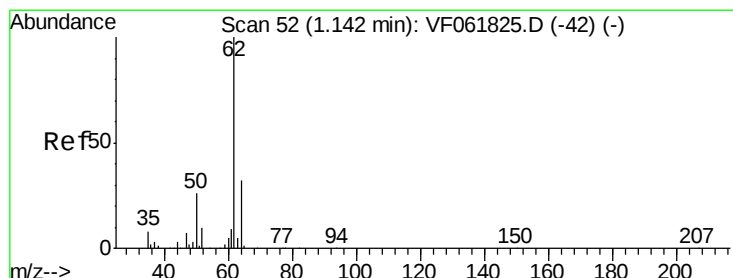
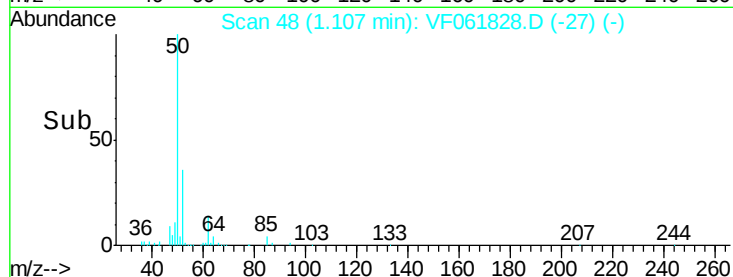
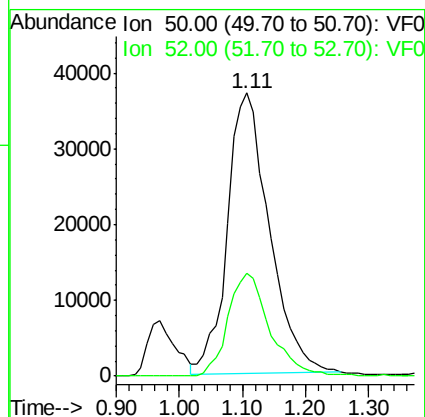
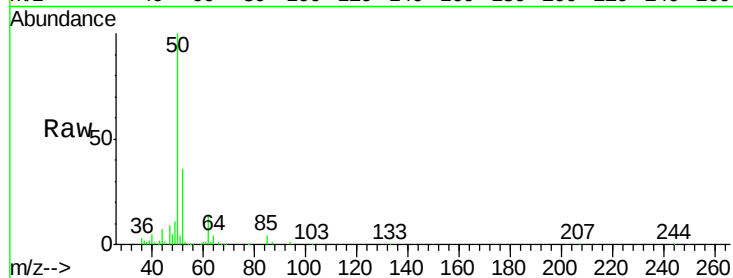
50 100

52 36.2 26.2 39.4

Manual Integrations
APPROVED

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3/5/2019 10:47:52 AM



#4

Vinyl Chloride

Concen: 49.583 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061828.D

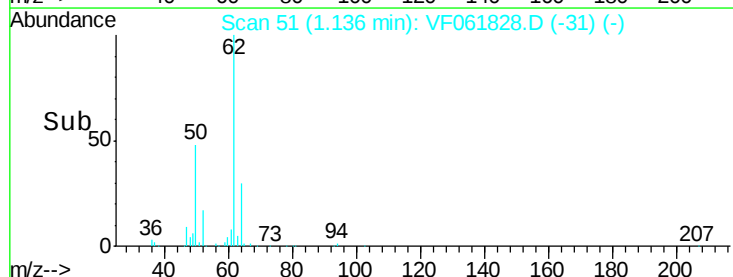
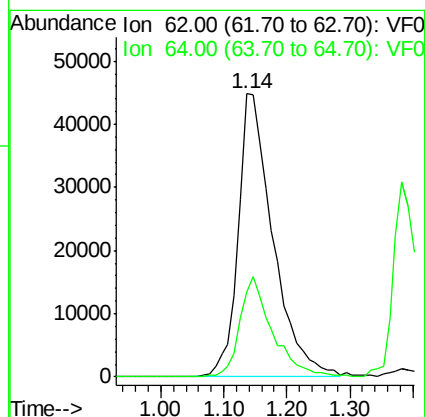
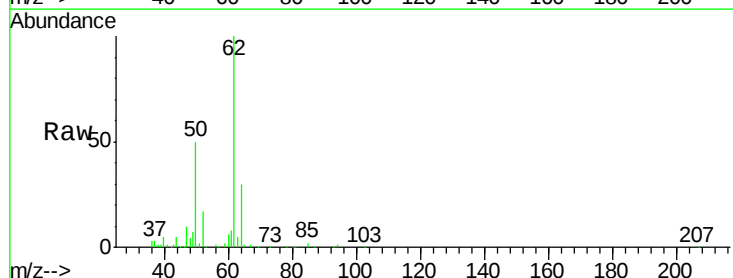
Acq: 4 Mar 2019 19:24

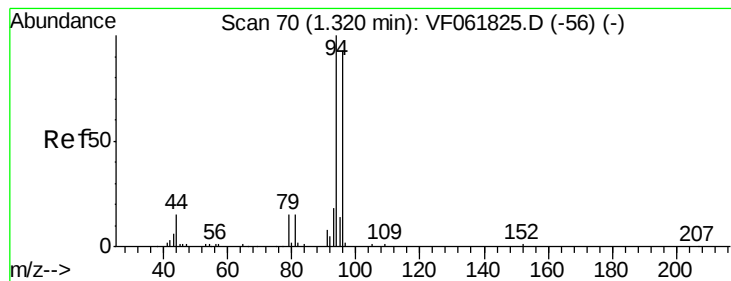
Tgt Ion: 62 Resp: 170938

Ion Ratio Lower Upper

62 100

64 30.1 27.5 41.3





#5

Bromomethane

Concen: 49.005 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.02 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

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ClientSampleId :

ICVVF030419

Tot Ion: 94 Resp: 116274

Ion Ratio Lower Upper

94 100

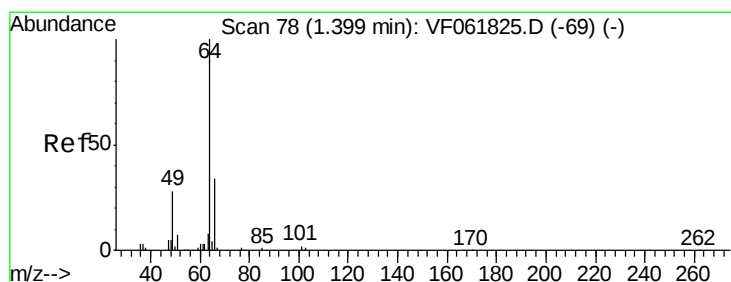
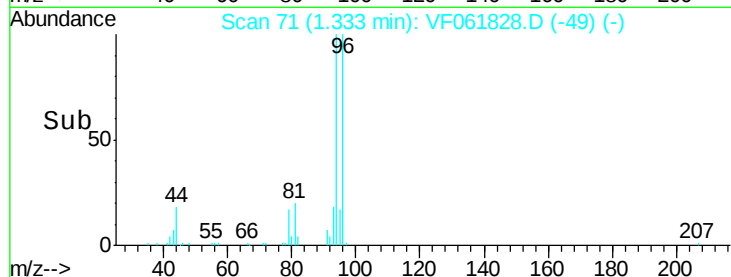
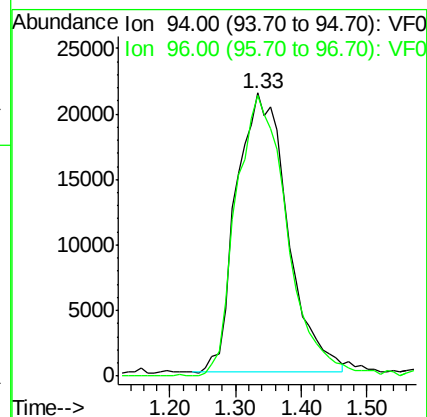
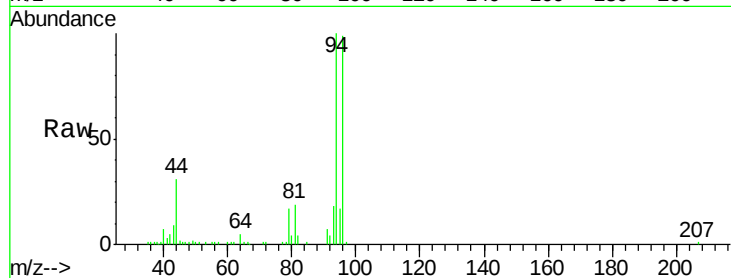
96 99.1 74.6 112.0

Manual Integrations

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3/5/2019 10:47:52 AM



#6

Chloroethane

Concen: 51.176 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061828.D

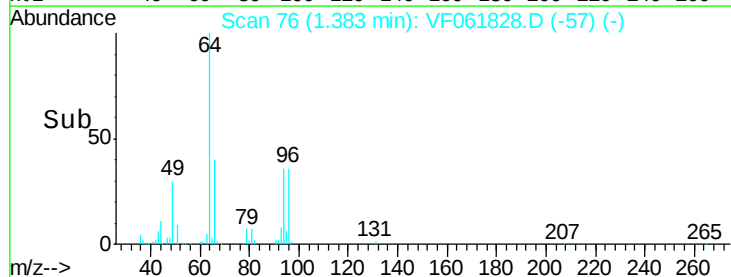
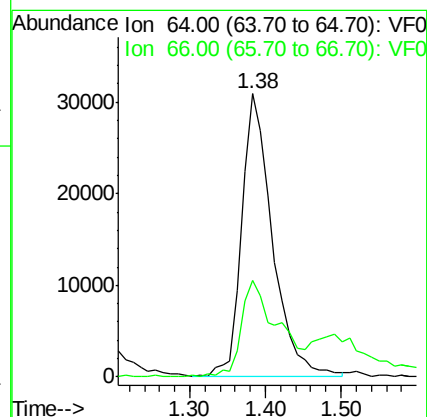
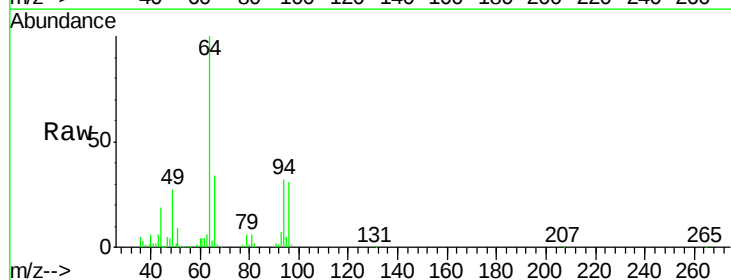
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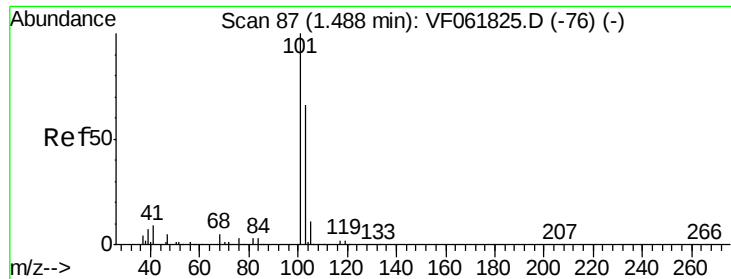
Tgt Ion: 64 Resp: 86945

Ion Ratio Lower Upper

64 100

66 34.3 27.9 41.9





#7

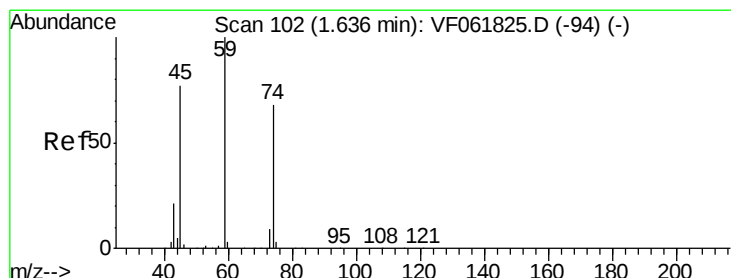
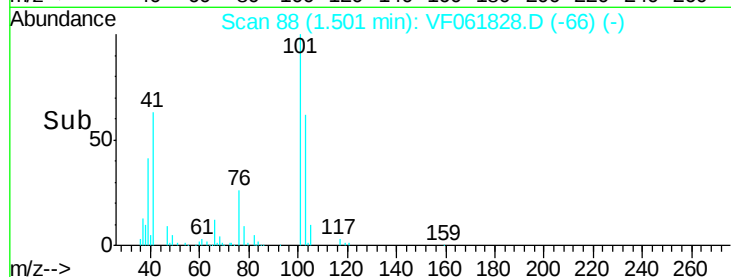
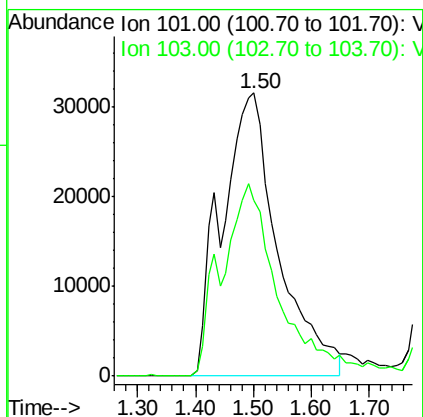
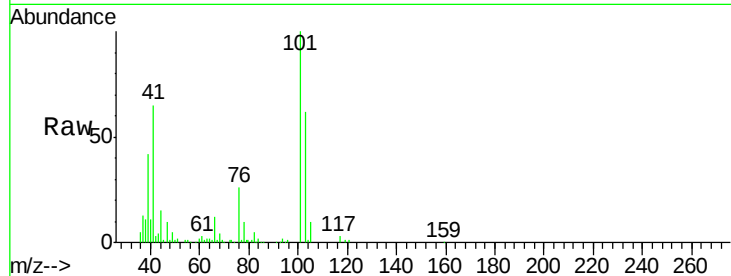
Trichlorofluoromethane
Concen: 51.355 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. 0.02 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
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ClientSampleId :
ICVVF030419

Tot Ion:101 Resp: 213539
Ion Ratio Lower Upper
101 100
103 62.1 49.3 73.9

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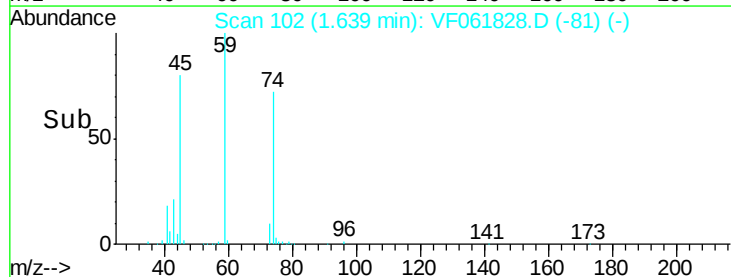
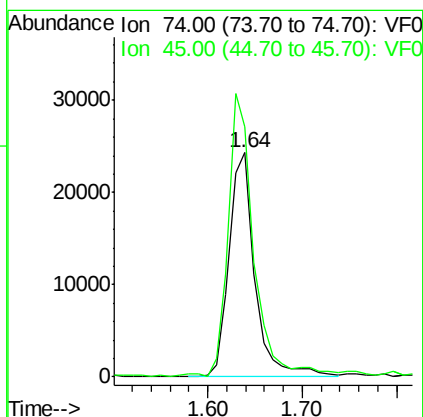
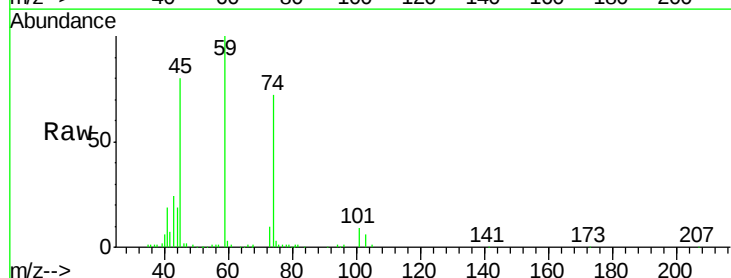
MMDadoda
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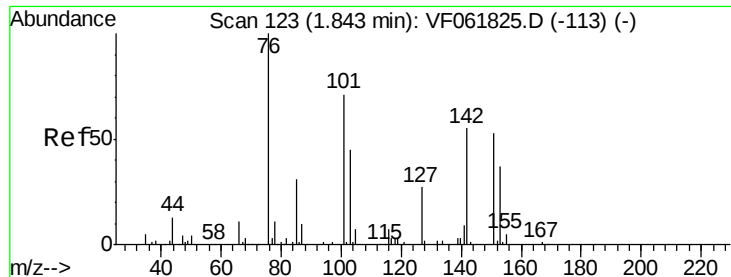


#8

Diethyl Ether
Concen: 44.224 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion: 74 Resp: 46342
Ion Ratio Lower Upper
74 100
45 111.7 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.741 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion:101 Resp: 152207
Ion Ratio Lower Upper

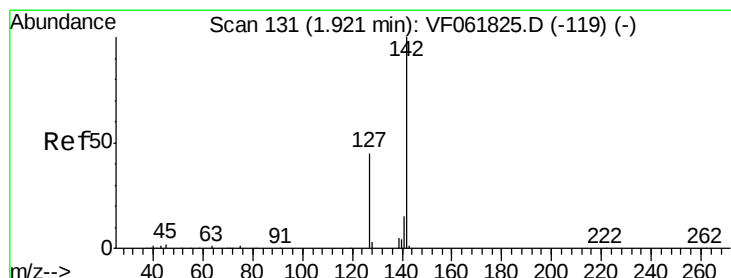
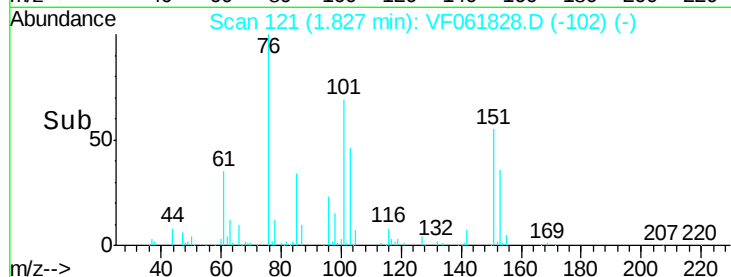
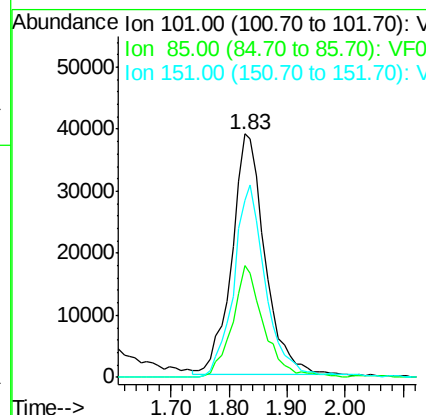
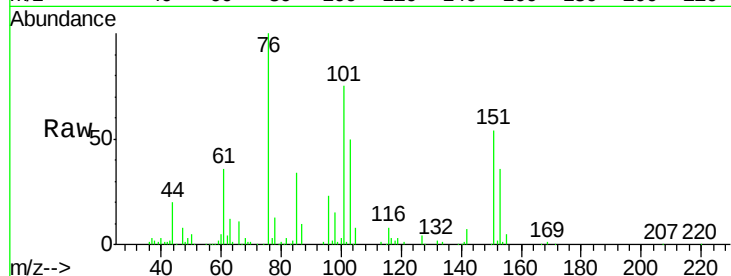
101 100

85 45.7 29.8 44.6#

151 72.8 56.3 84.5

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#10

Methyl Iodide

Concen: 48.231 ug/l m

RT: 1.91 min Scan# 129

Delta R.T. -0.00 min

Lab File: VF061828.D

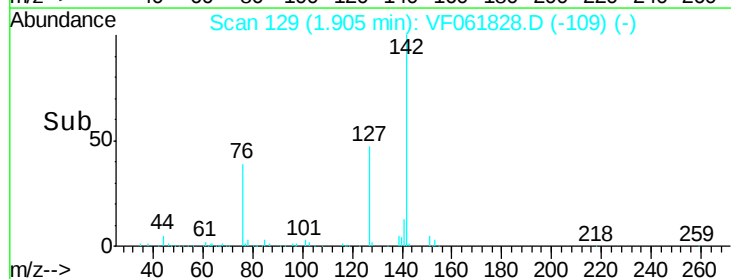
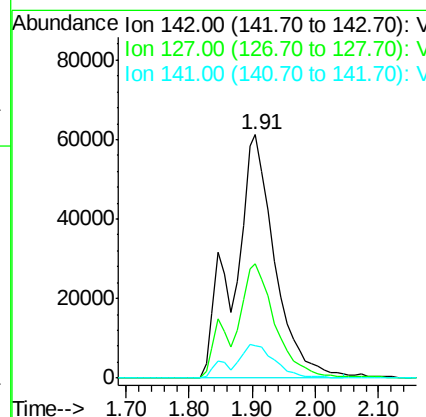
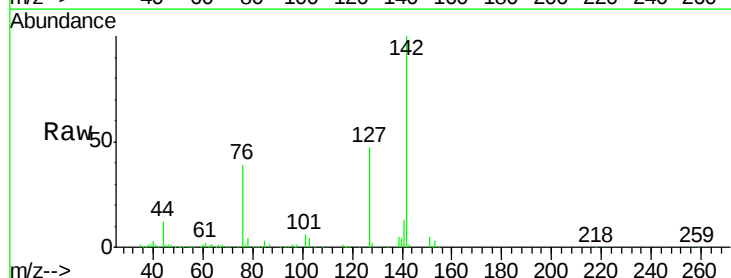
Acq: 4 Mar 2019 19:24

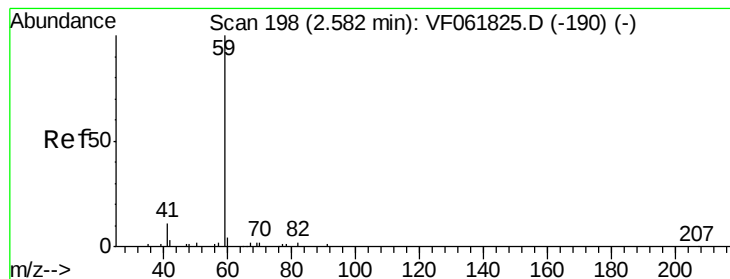
Tgt Ion:142 Resp: 276369
Ion Ratio Lower Upper

142 100

127 46.9 36.6 55.0

141 13.1 11.0 16.6





#11

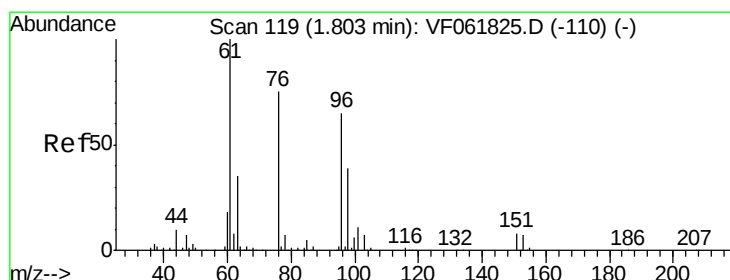
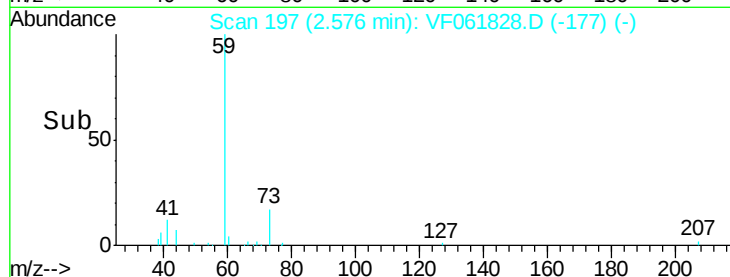
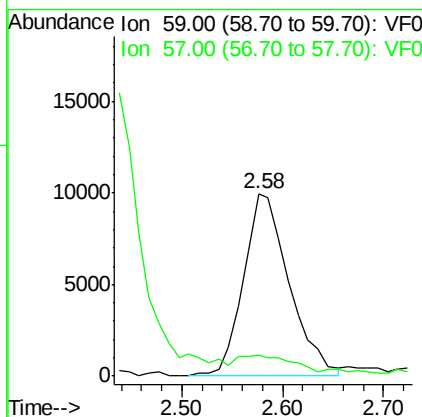
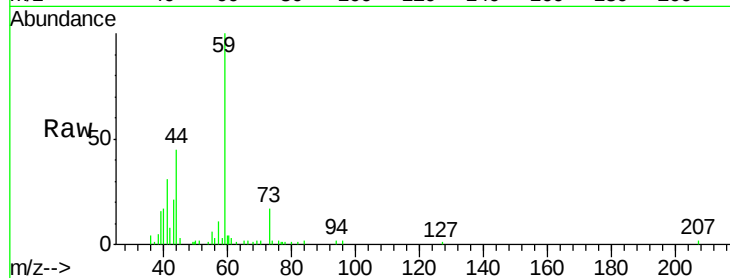
Tert butyl alcohol
Concen: 240.791 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	59	Resp	31452
Ion Ratio	100	Lower	Upper
59	100		
57	11.2	12.5	18.7#

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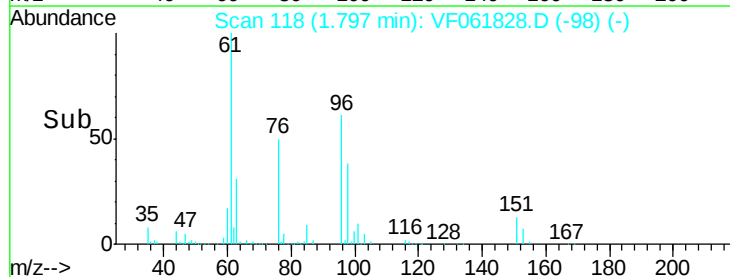
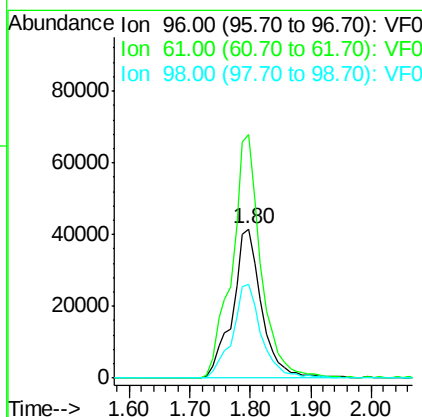
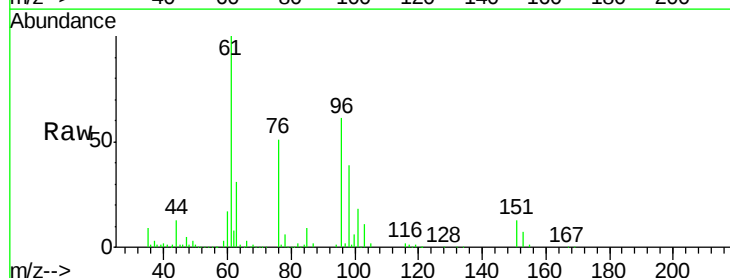
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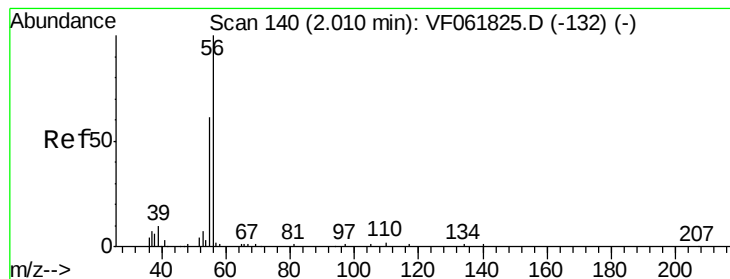


#12

1,1-Dichloroethene
Concen: 52.538 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	96	Resp	138561
Ion Ratio	100	Lower	Upper
96	100		
61	163.5	122.6	184.0
98	63.0	47.2	70.8





#13

Acrolein

Concen: 267.894 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 56 Resp: 43979

Ion Ratio Lower Upper

56 100

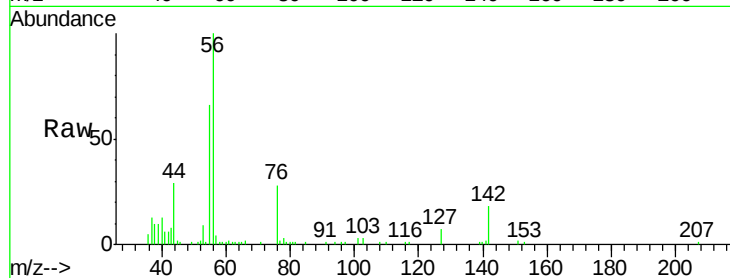
55 66.5 55.0 82.6

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

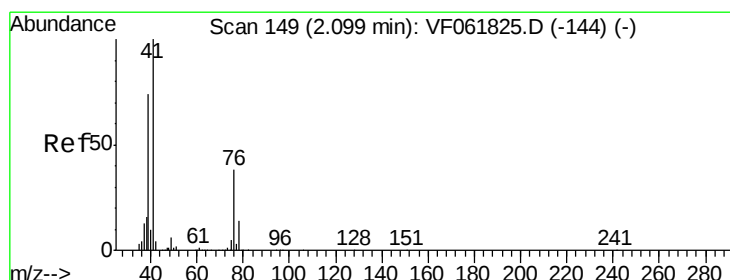
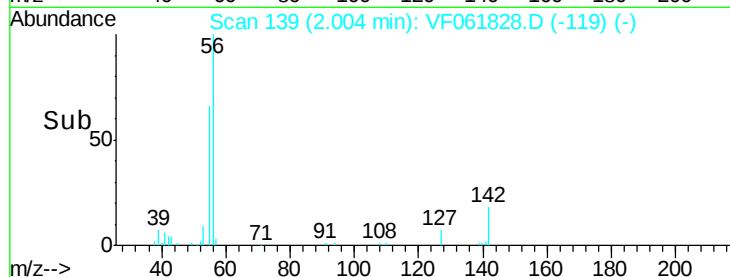
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 46.357 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

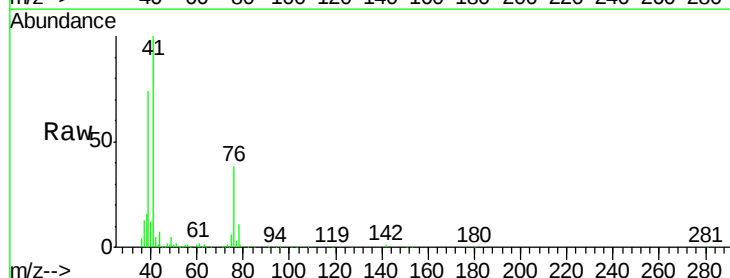
Tgt Ion: 41 Resp: 150026

Ion Ratio Lower Upper

41 100

39 74.2 61.6 92.4

76 38.0 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.10

80000

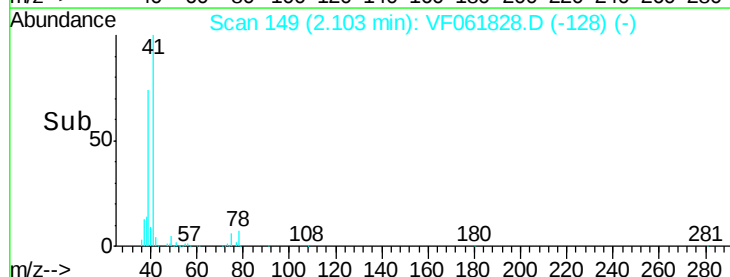
60000

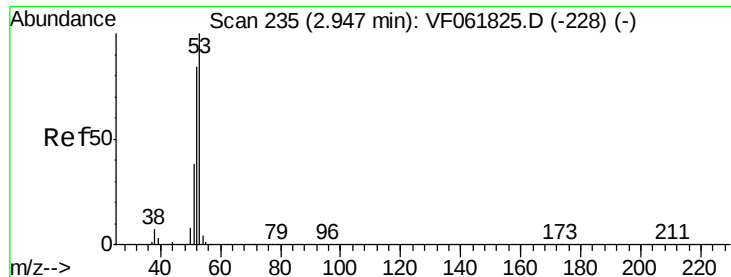
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 224.026 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

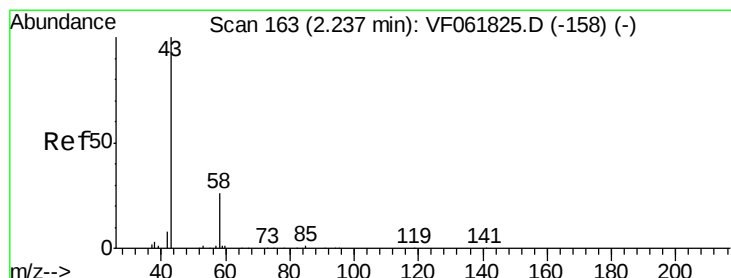
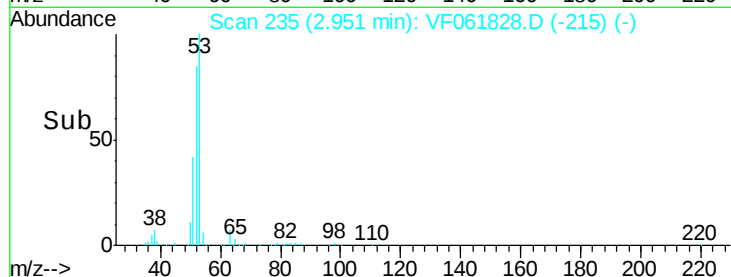
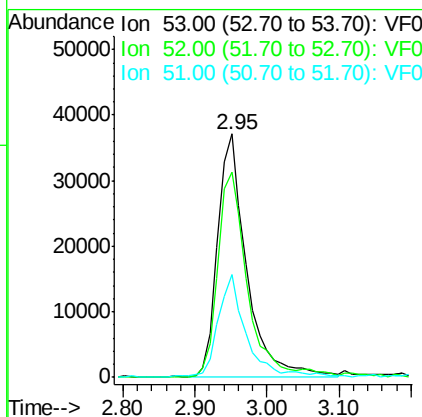
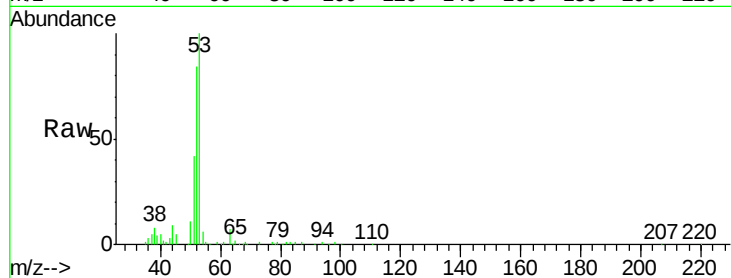
ClientSampleId :

ICVVF030419

Tot Ion:	53	Resp:	103794
Ion	Ratio	Lower	Upper
53	100		
52	84.4	64.6	97.0
51	42.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 232.027 ug/l

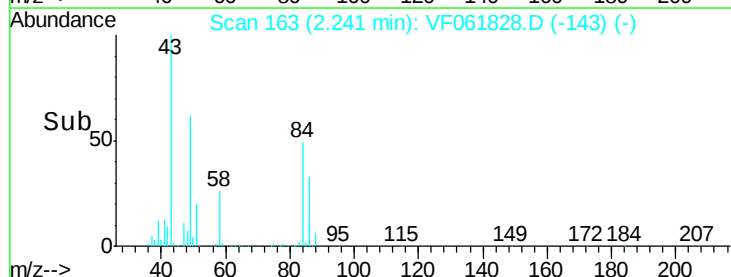
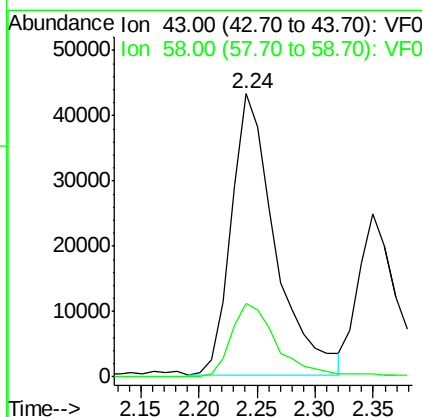
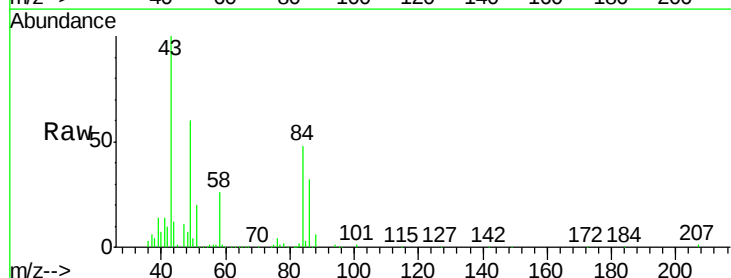
RT: 2.24 min Scan# 163

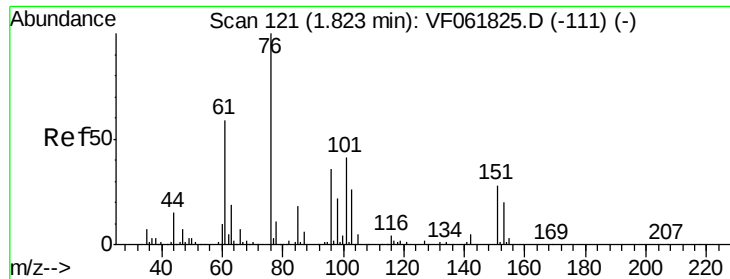
Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	43	Resp:	112358
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.9	34.3





#17

Carbon Disulfide

Concen: 51.580 ug/l m

RT: 1.85 min Scan# 123

Delta R.T. 0.02 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tot Ion: 76 Resp: 427597

Ion Ratio Lower Upper

76 100

78 10.1 7.9 11.9

Instrument :

MSVOA_F

ClientSampleId :

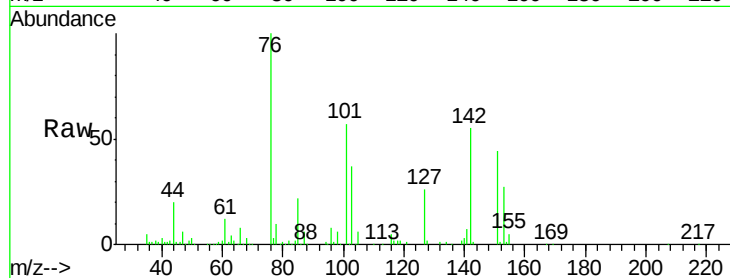
ICVVF030419

Manual Integrations

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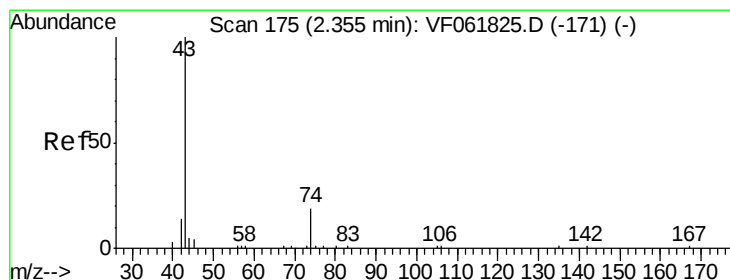
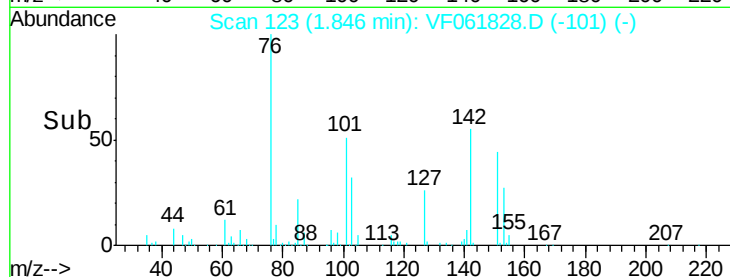
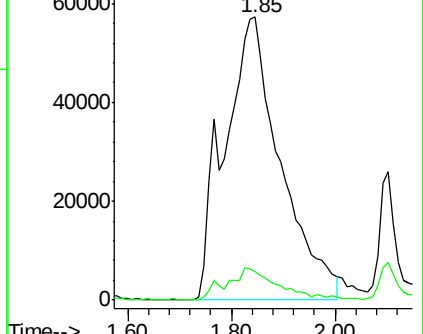
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 45.764 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF061828.D

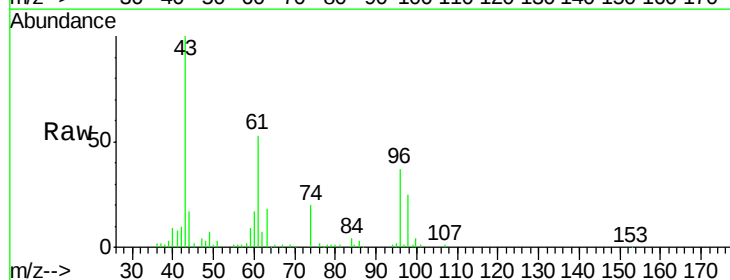
Acq: 4 Mar 2019 19:24

Tgt Ion: 43 Resp: 49923

Ion Ratio Lower Upper

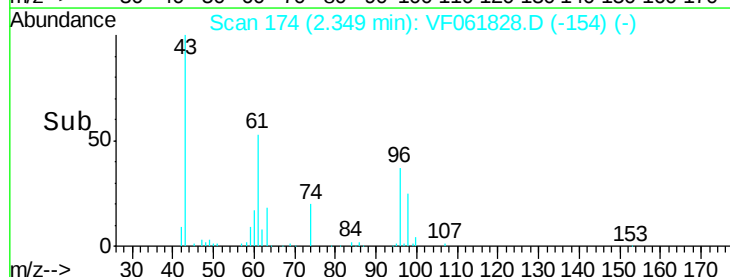
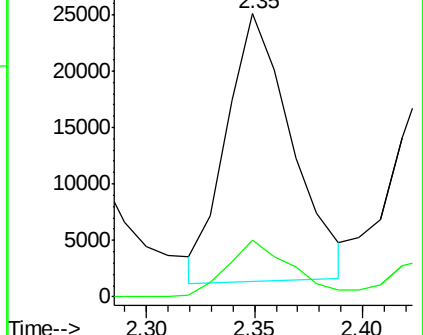
43 100

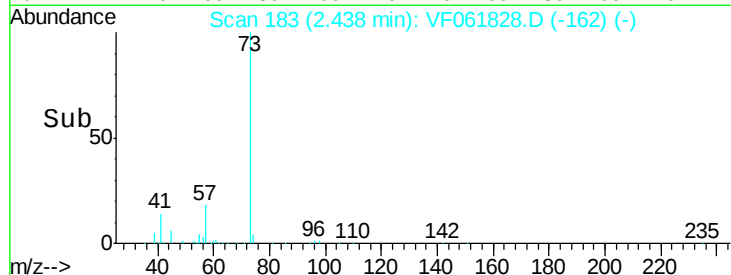
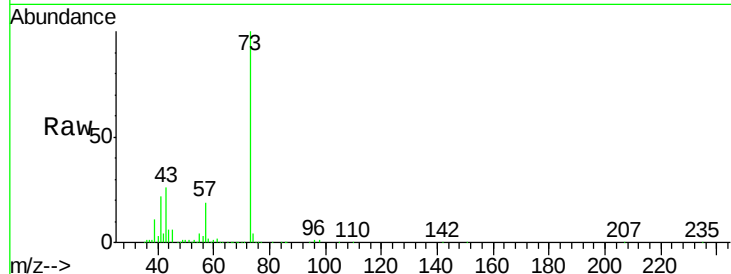
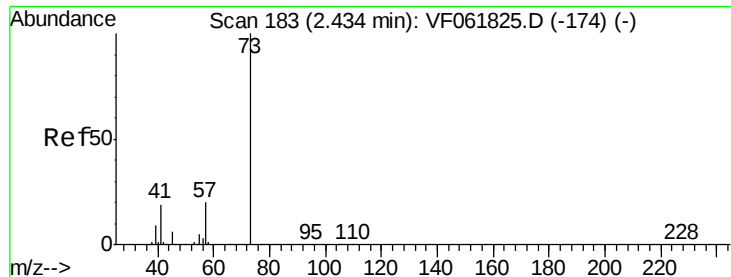
74 20.2 14.6 21.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





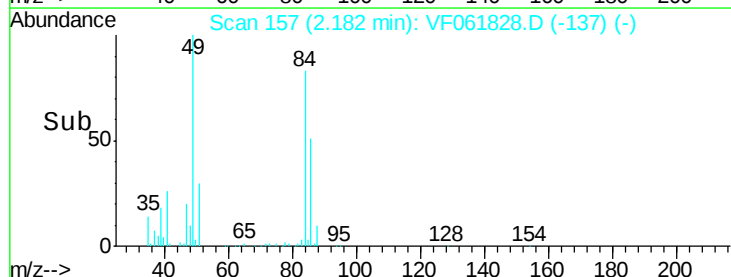
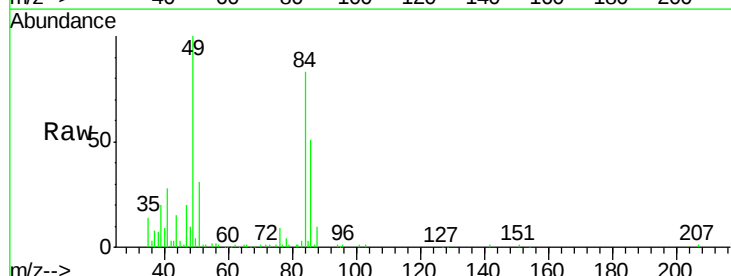
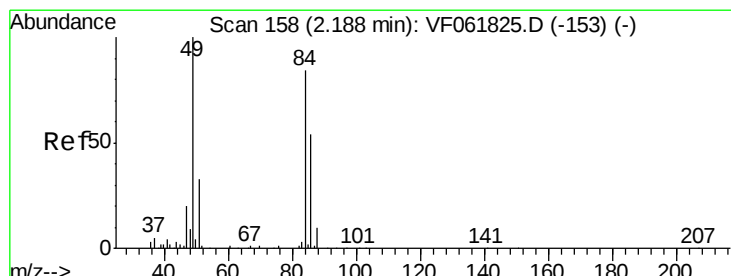
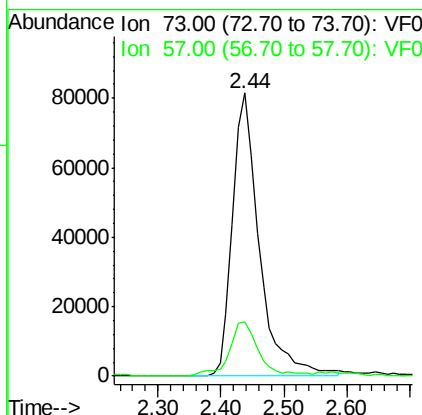
#19
Methyl tert-butyl Ether
Concen: 53.290 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tot Ion	73	Resp	240194
Ion Ratio	100	Lower	Upper
73	100	15.8	23.8
57	19.0		

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

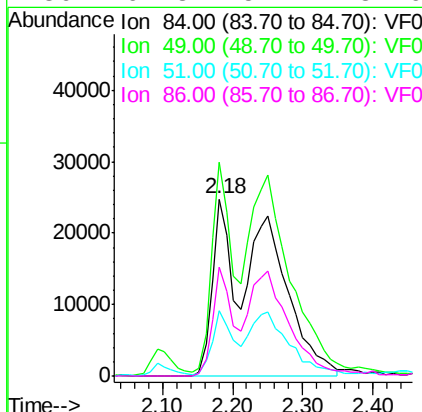
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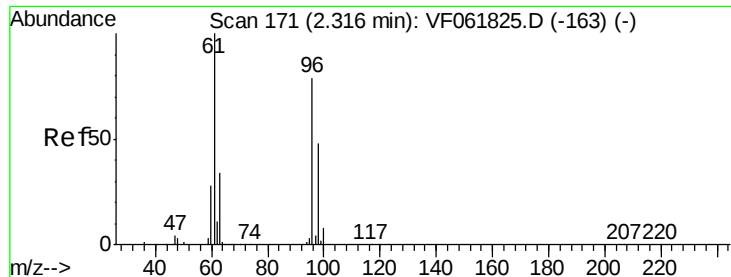
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#20
Methylene Chloride
Concen: 45.934 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	84	Resp	134368
Ion Ratio	100	Lower	Upper
84	100	101.8	152.8
49	120.8	31.1	46.7
51	37.3	54.4	81.6
86	61.3		





#21

trans-1,2-Dichloroethene

Concen: 47.850 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

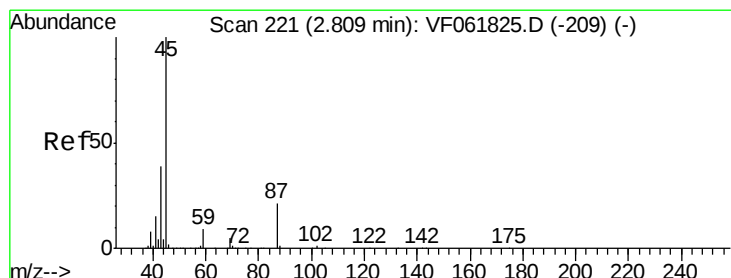
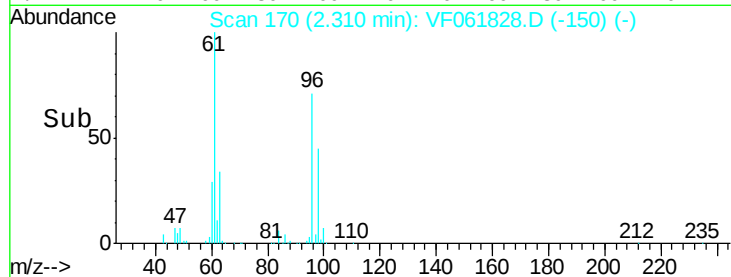
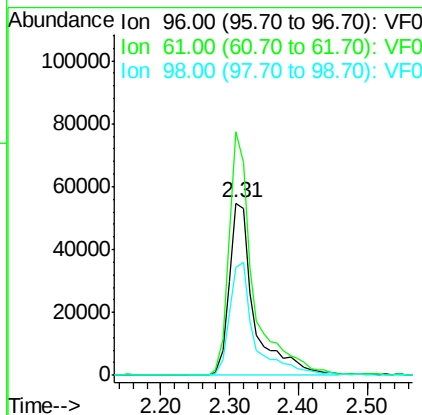
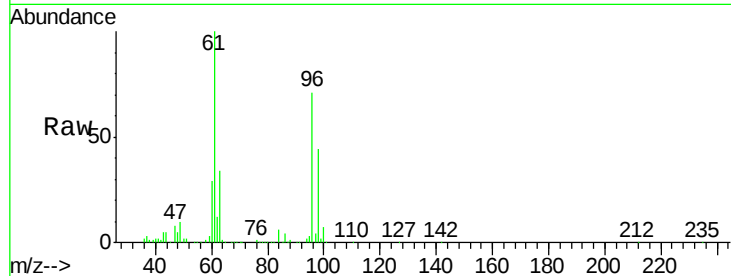
ClientSampleId :

ICVVF030419

Tot Ion:	96	Resp:	137187
Ion	Ratio	Lower	Upper
96	100		
61	141.2	108.2	162.4
98	62.5	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.390 ug/l

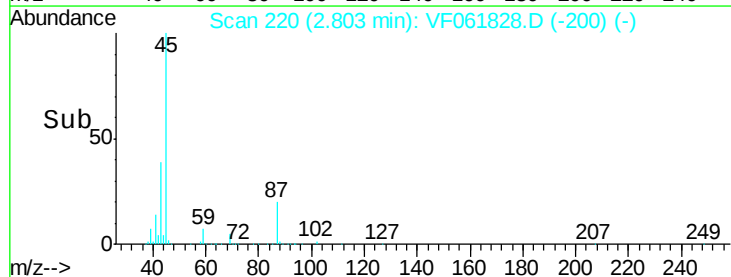
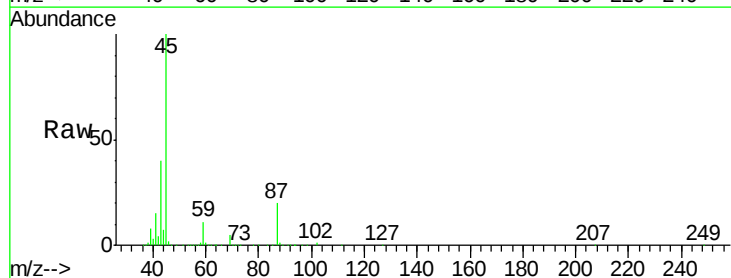
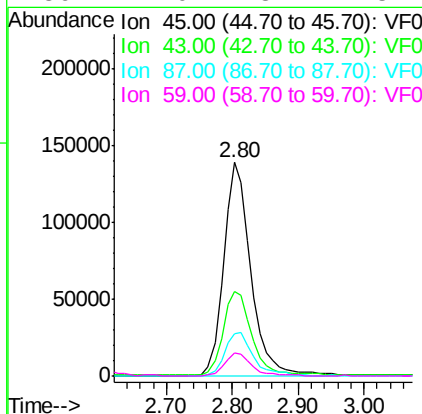
RT: 2.80 min Scan# 220

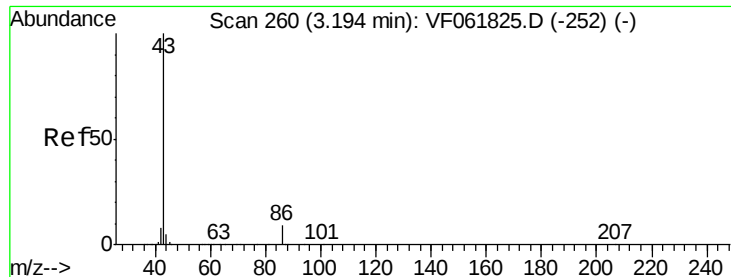
Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	45	Resp:	399222
Ion	Ratio	Lower	Upper
45	100		
43	39.8	31.4	47.2
87	19.7	16.3	24.5
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 242.249 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 43 Resp: 919183

Ion Ratio Lower Upper

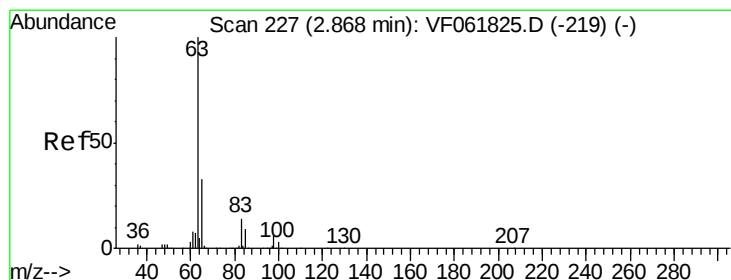
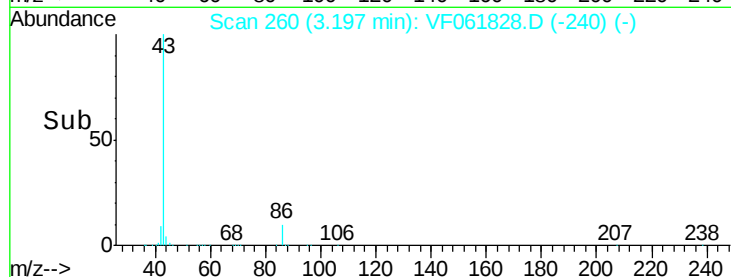
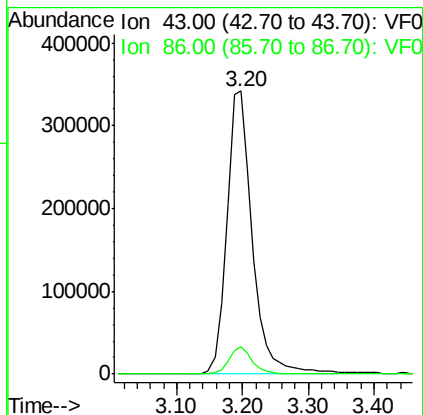
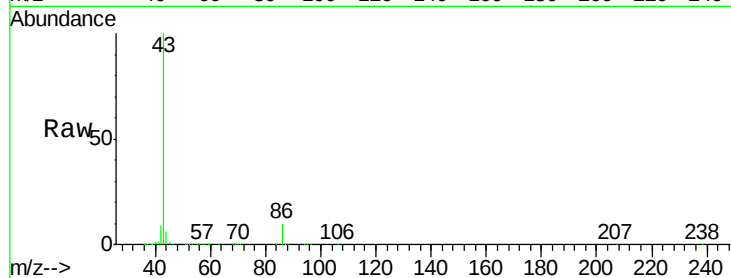
43 100

86 9.9 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 50.468 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

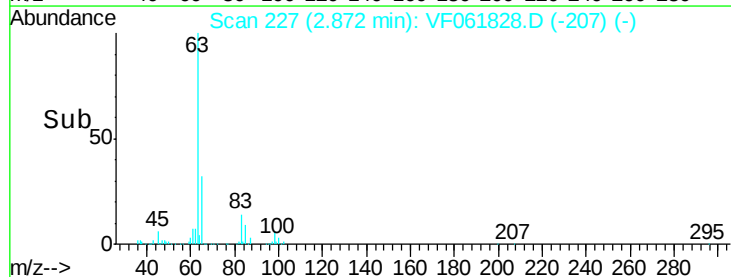
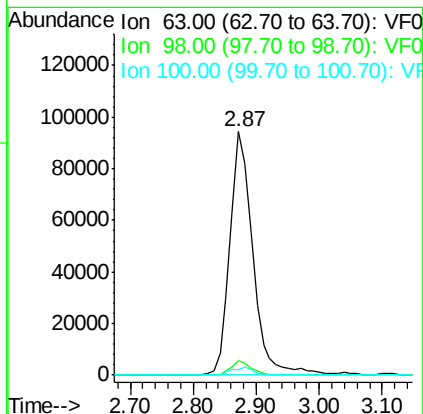
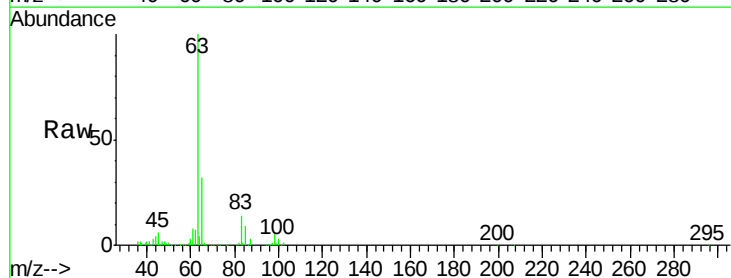
Tgt Ion: 63 Resp: 237260

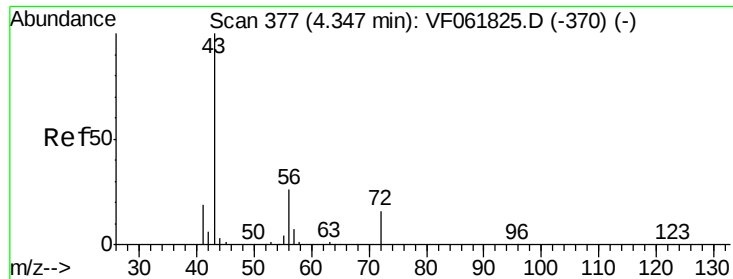
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 2.5 1.8 5.4





#25

2-Butanone

Concen: 218.082 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 43 Resp: 230675

Ion Ratio Lower Upper

43 100

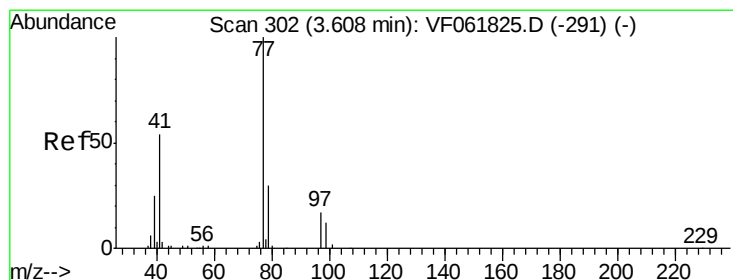
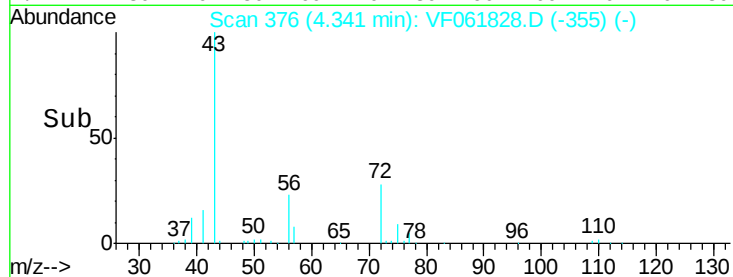
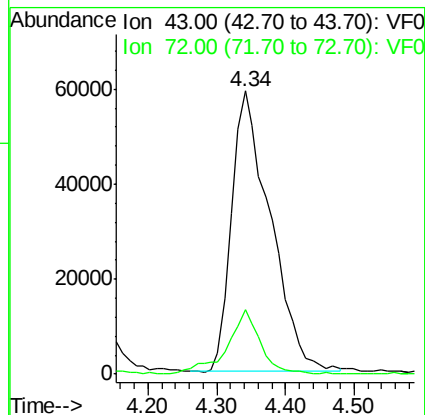
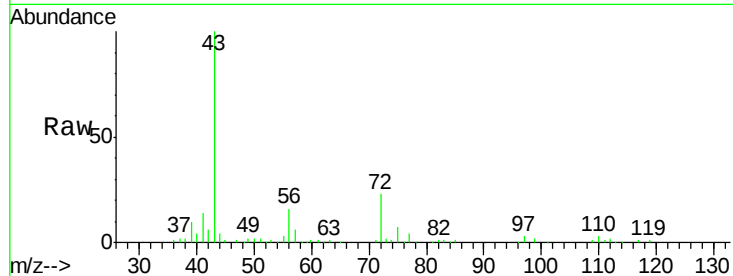
72 22.8 17.1 25.7

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#26

2,2-Dichloropropane

Concen: 53.476 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061828.D

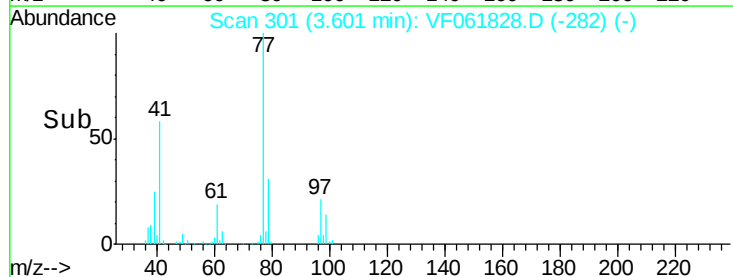
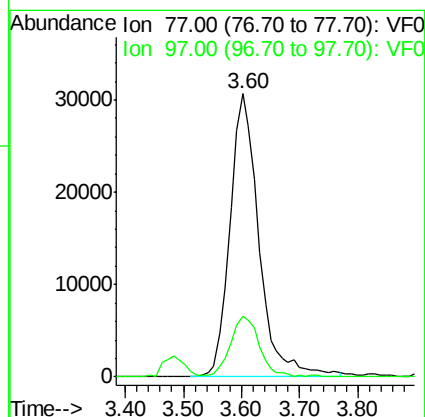
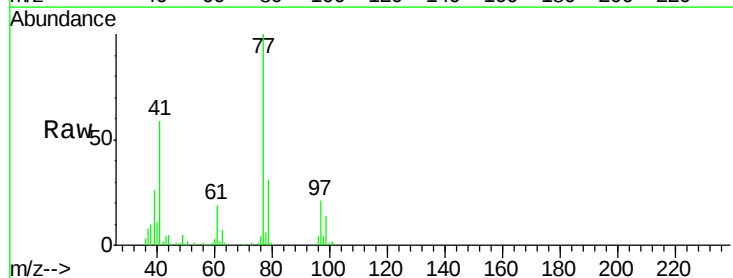
Acq: 4 Mar 2019 19:24

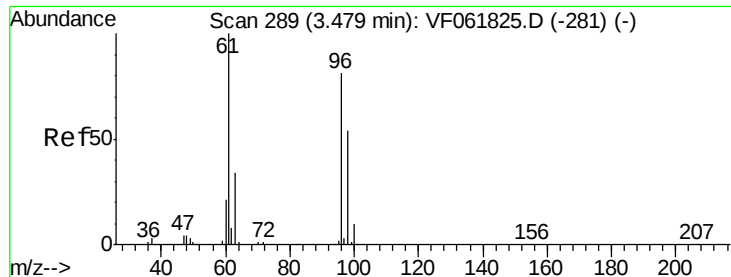
Tgt Ion: 77 Resp: 106489

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.0





#27

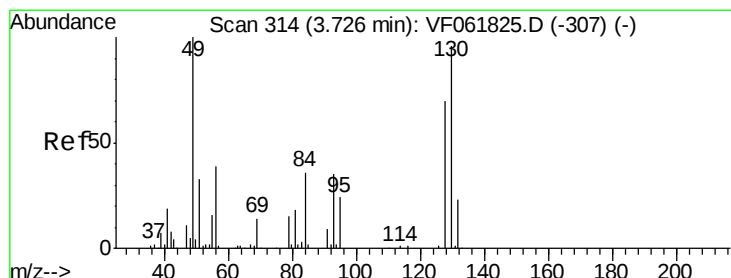
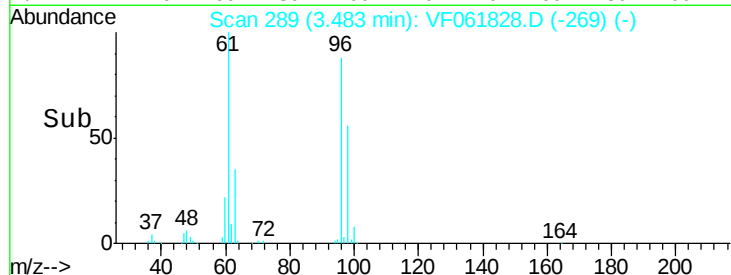
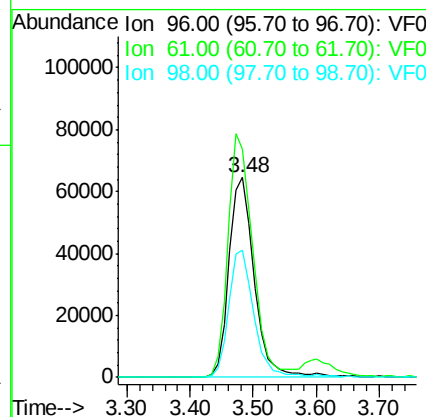
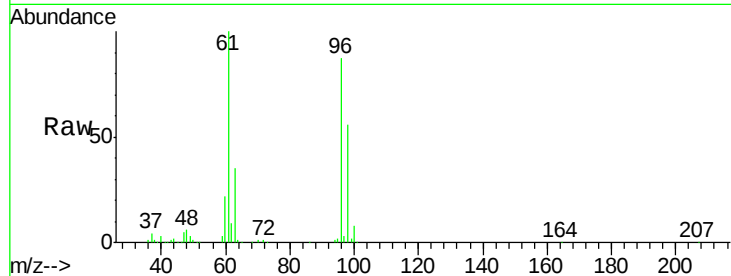
cis-1,2-Dichloroethene
Concen: 47.933 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180379		
61	114.3		0.0	241.6
98	63.5		0.0	130.2

Manual Integrations
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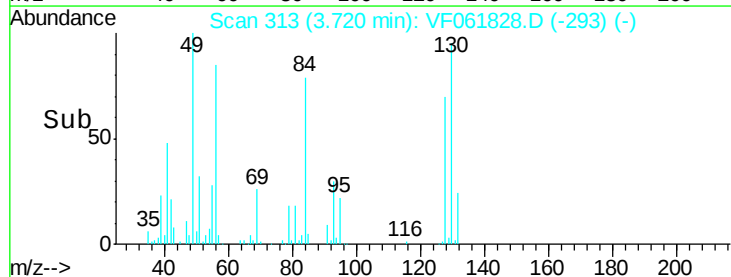
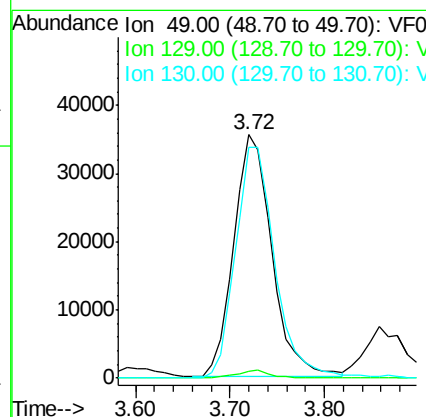
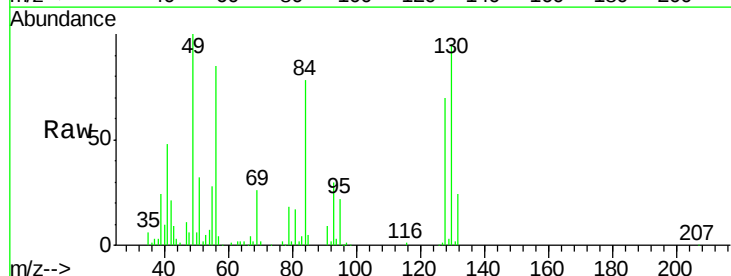
MMDadoda
3/5/2019 10:47:52 AM

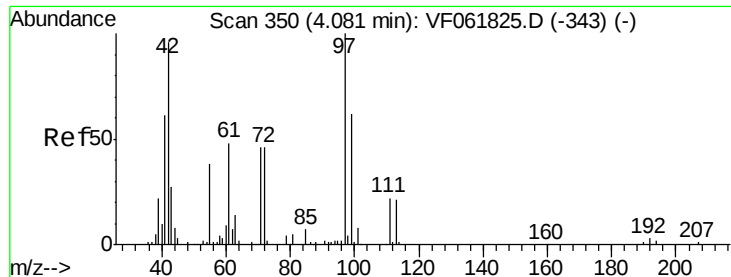


#28

Bromochloromethane
Concen: 44.057 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99380		
129	2.6		0.0	3.4
130	94.6		77.7	116.5





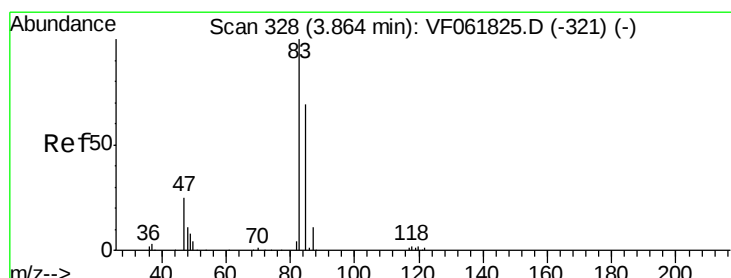
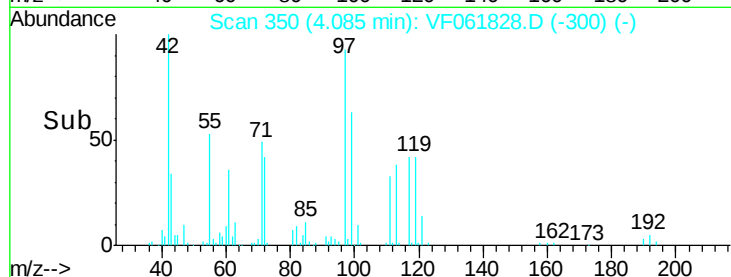
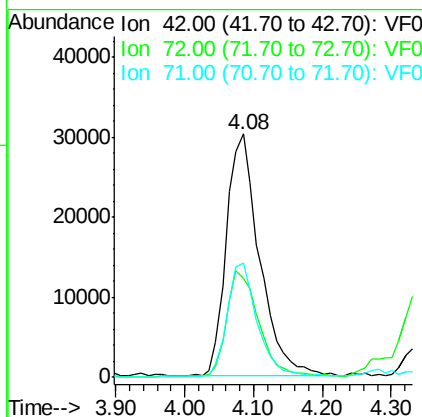
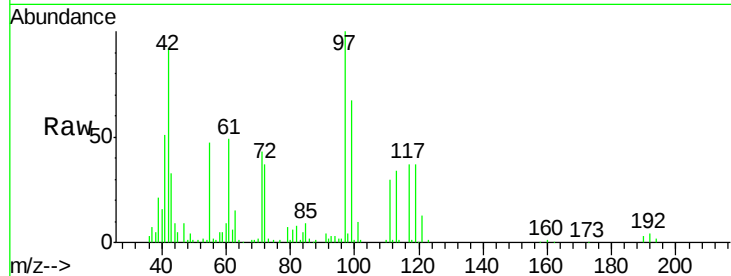
#29
Tetrahydrofuran
Concen: 210.337 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
42	100	101120		
72	44.5		35.2	52.8
71	43.4		32.9	49.3

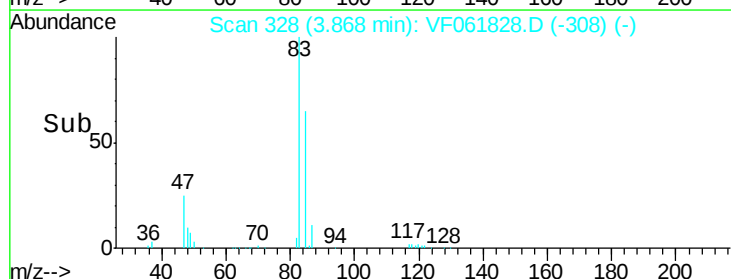
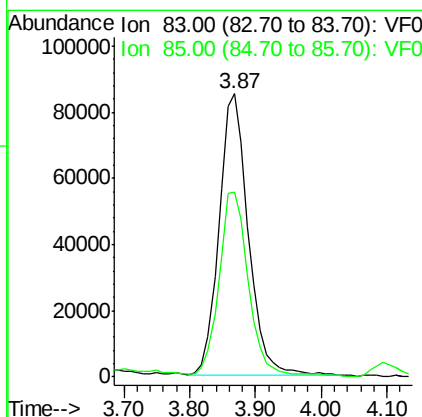
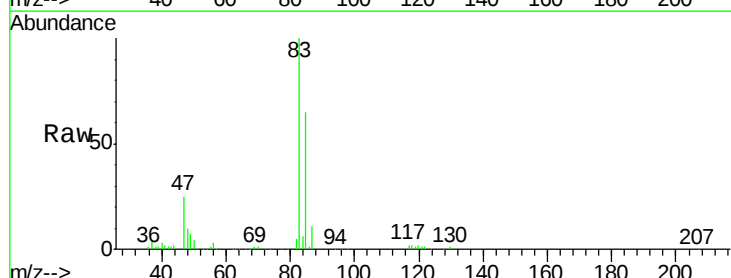
Manual Integrations
APPROVED

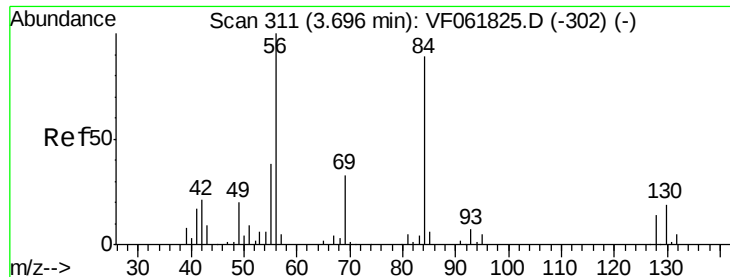
MMDadoda
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#30
Chloroform
Concen: 49.133 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	262686		
85	65.5		51.1	76.7





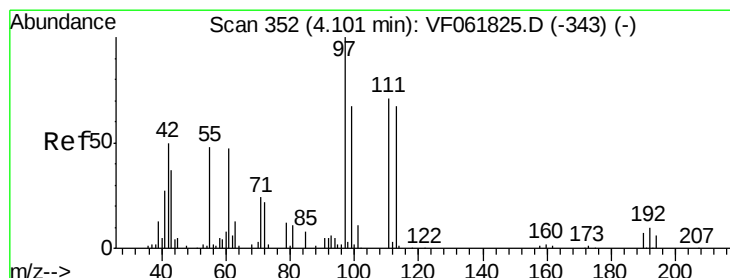
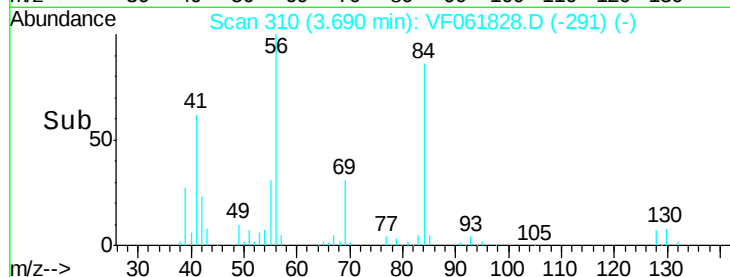
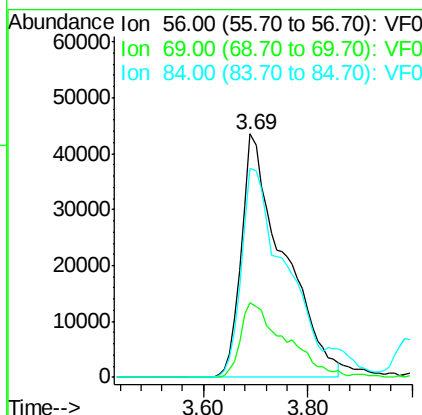
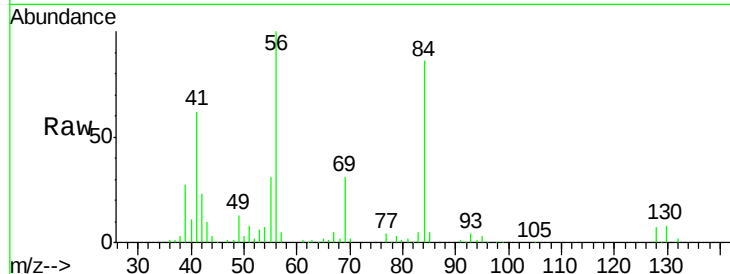
#31
Cyclohexane
Concen: 47.111 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.6	23.8	35.8	
84	85.9	68.6	103.0	

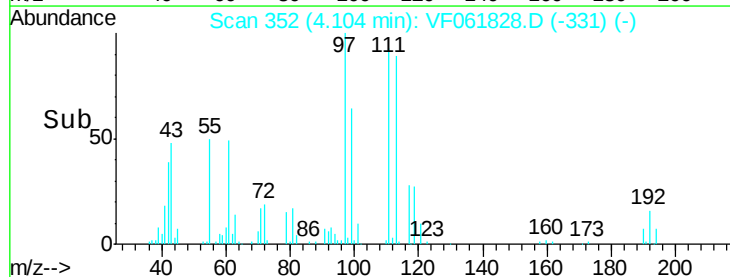
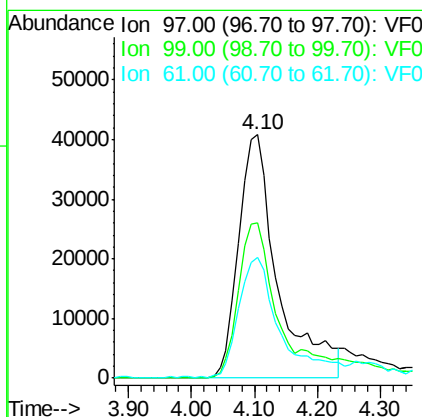
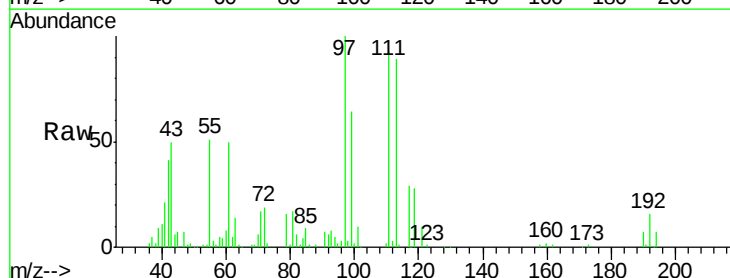
Manual Integrations
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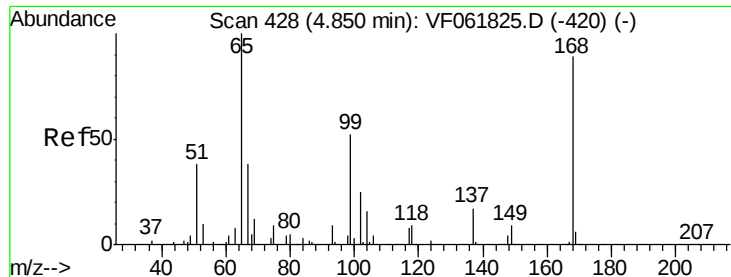
MMDadoda
3/5/2019 10:47:52 AM



#32
1,1,1-Trichloroethane
Concen: 50.695 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	52.2	78.2	
61	49.6	39.2	58.8	





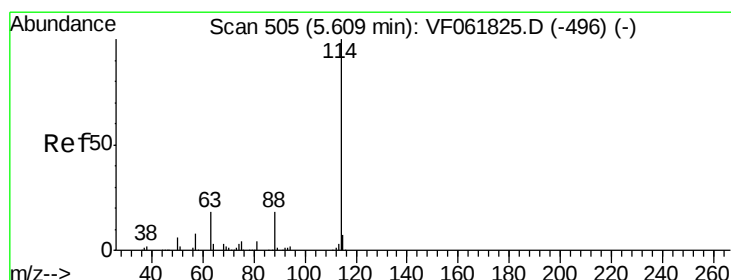
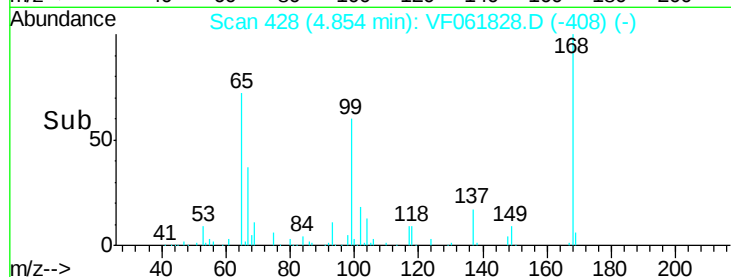
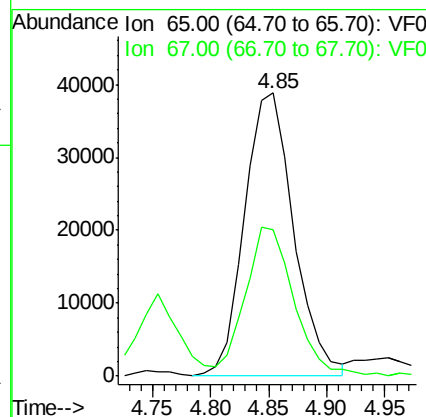
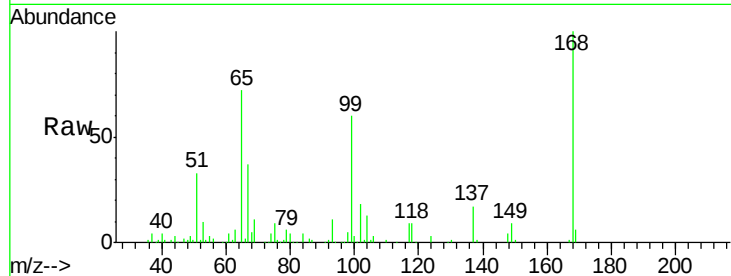
#33
 1,2-Dichloroethane-d4
 Concen: 50.465 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113899		
67	51.8	0.0	104.0	

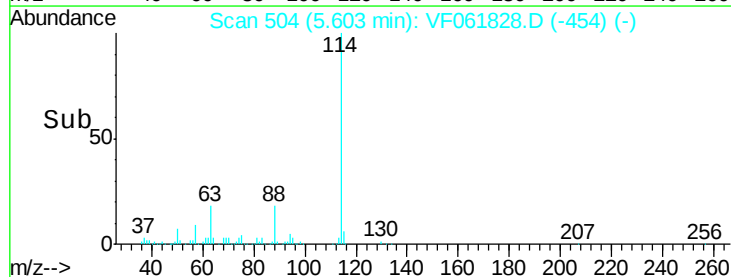
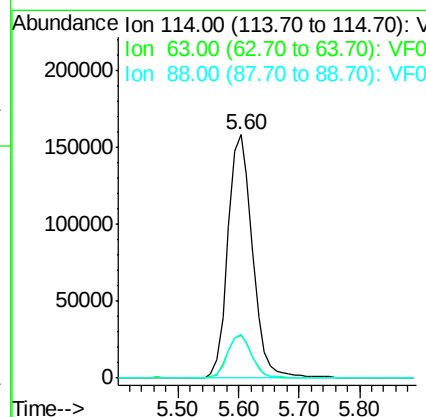
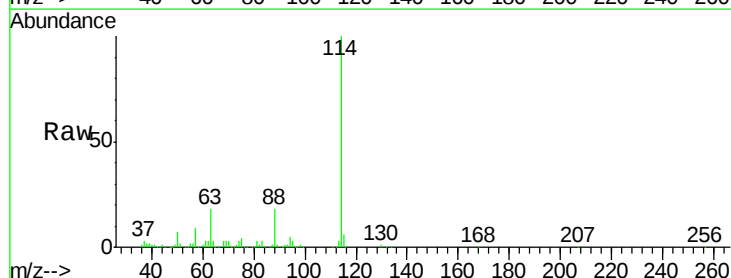
Manual Integrations
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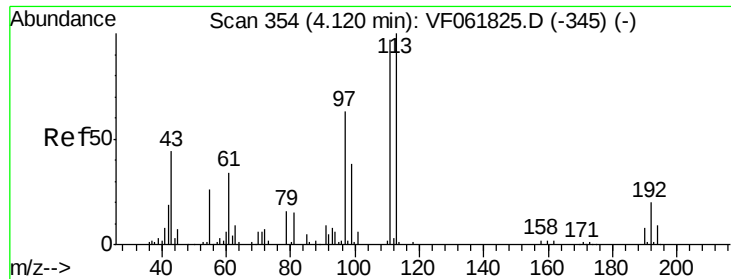
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448941		
63	17.7	0.0	36.6	
88	17.8	0.0	34.4	





#35

Dibromofluoromethane

Concen: 46.251 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

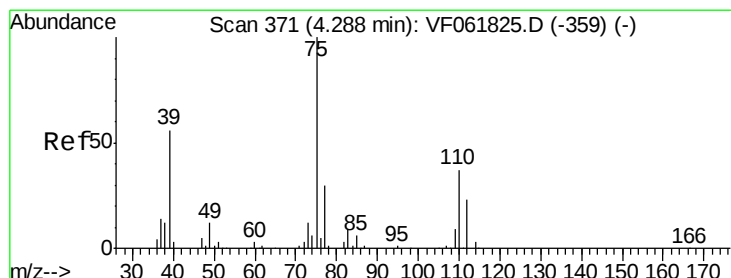
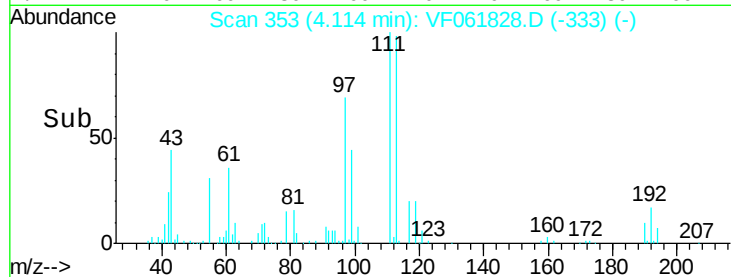
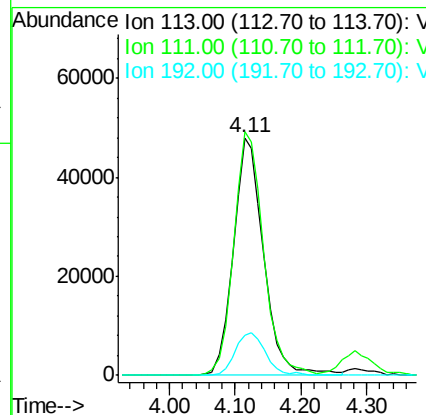
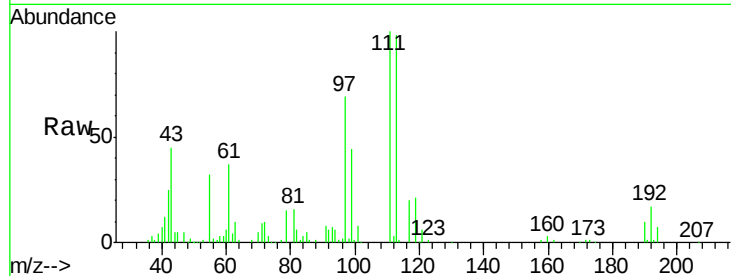
ClientSampleId :

ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154195		
111	102.5	78.8	118.2	
192	17.5	13.4	20.0	

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#36

1,1-Dichloropropene

Concen: 49.606 ug/l

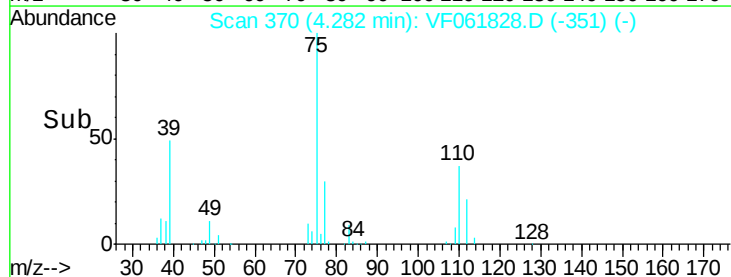
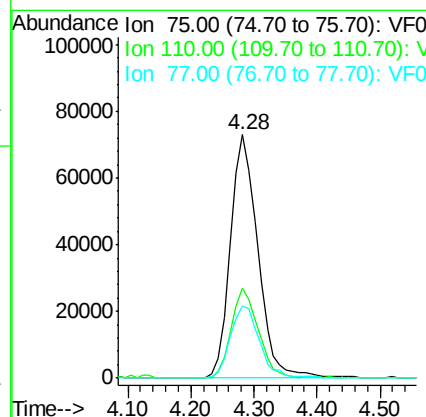
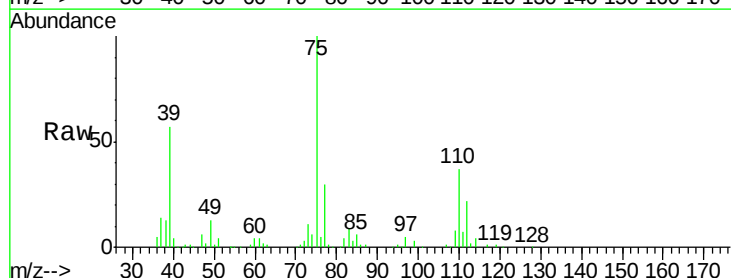
RT: 4.28 min Scan# 370

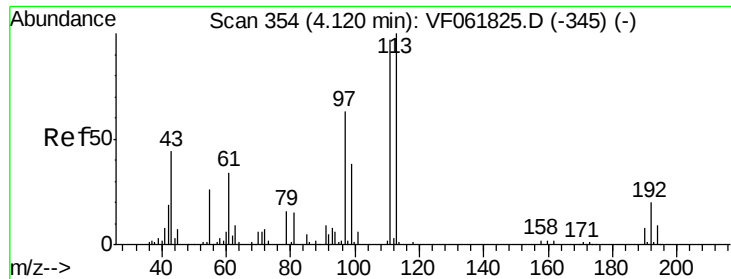
Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	220614		
110	36.8	20.5	61.6	
77	29.8	27.0	40.4	





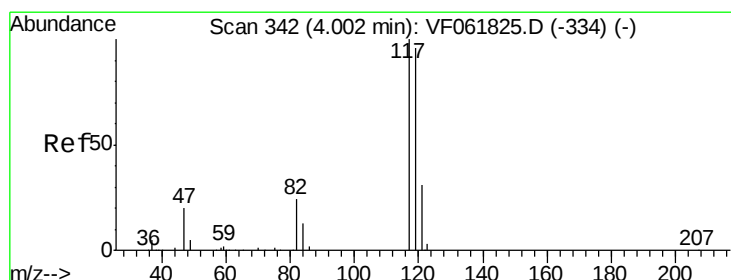
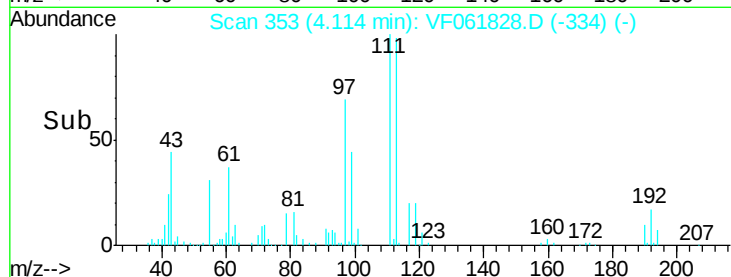
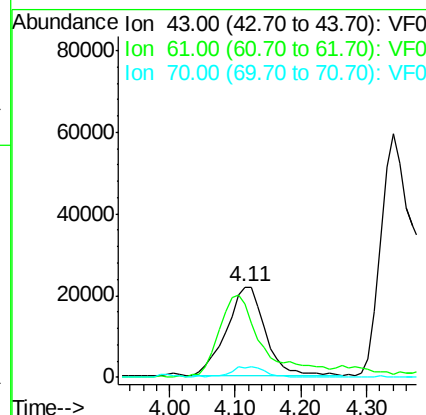
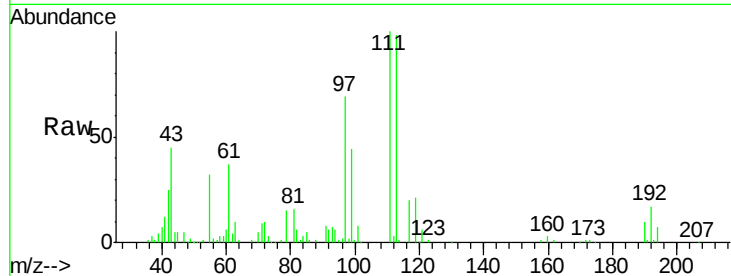
#37
Ethyl Acetate
Concen: 43.330 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.5	45.7	68.5#
70	11.1	8.5	12.7

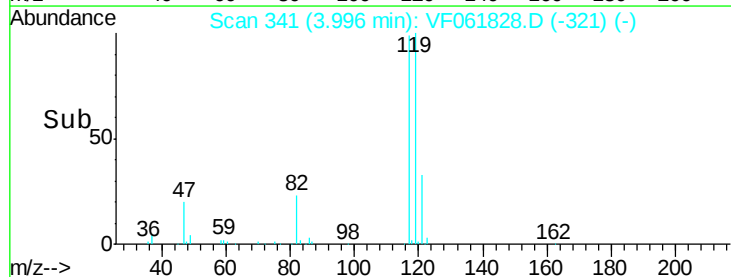
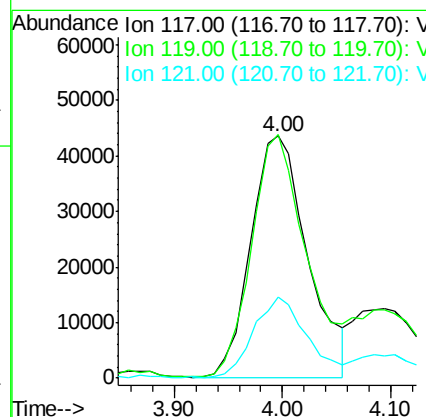
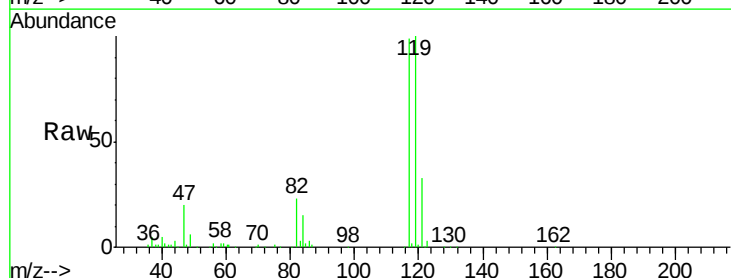
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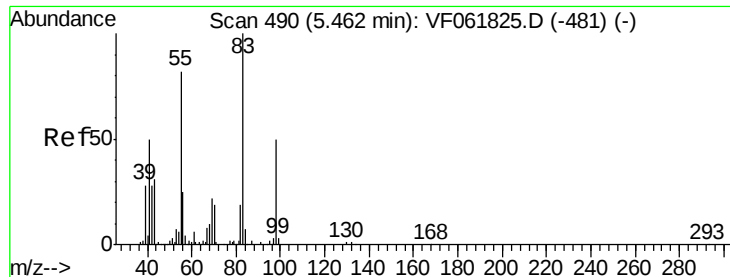
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#38
Carbon Tetrachloride
Concen: 52.337 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	75.6	113.4
121	33.5	25.2	37.8





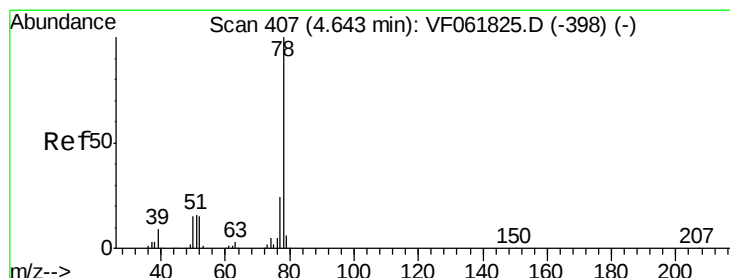
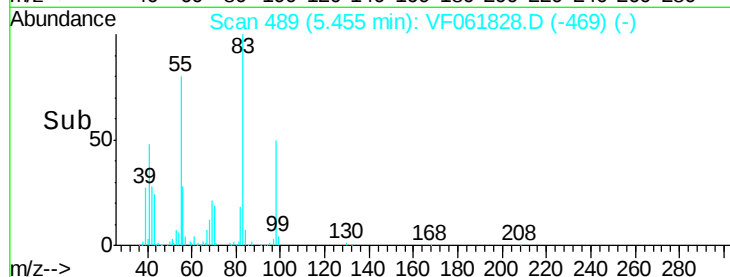
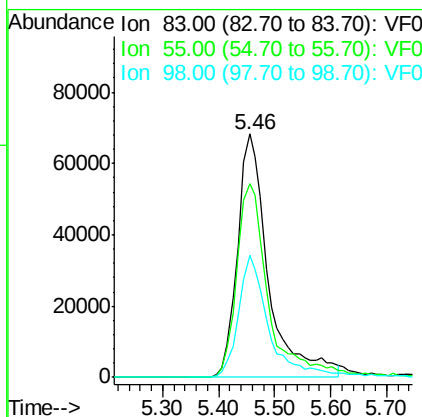
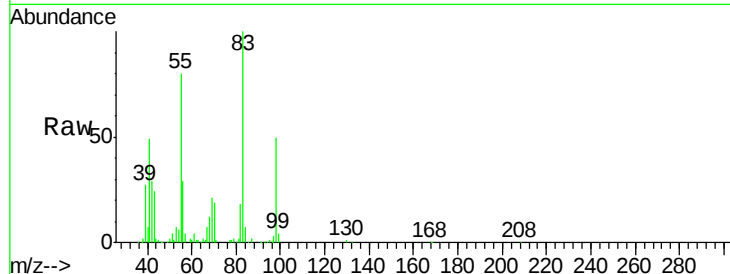
#39
Methvlcvclohexane
Concen: 49.578 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	83	Resp	260763
Ion Ratio	Lower	Upper	
83	100		
55	79.8	66.6	99.8
98	50.0	40.4	60.6

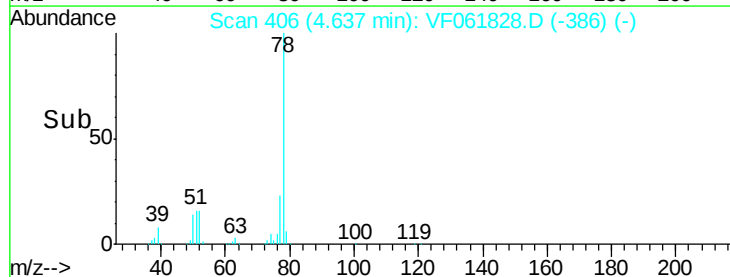
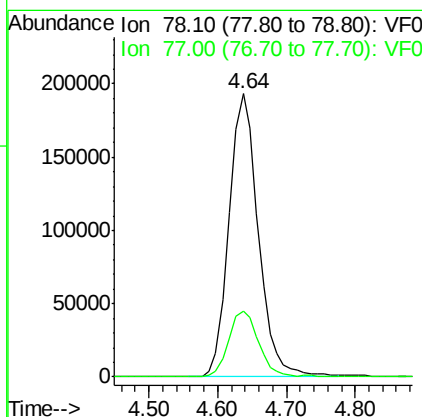
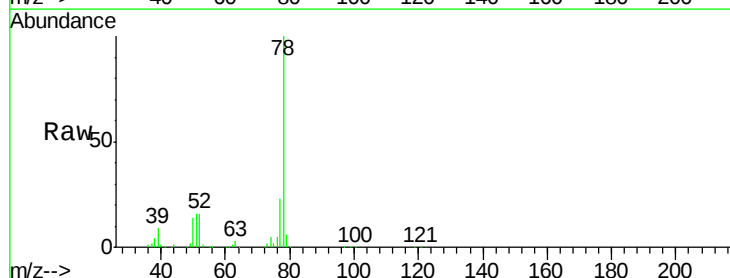
Manual Integrations
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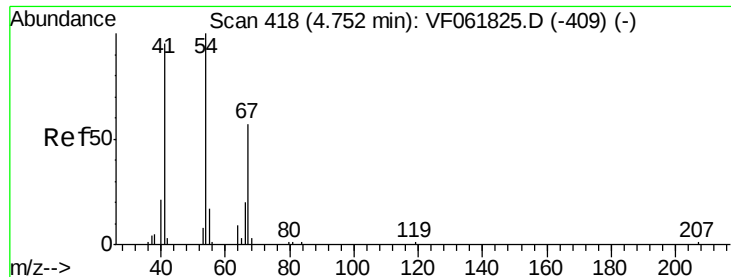
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#40
Benzene
Concen: 49.153 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	78	Resp	571781
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.6





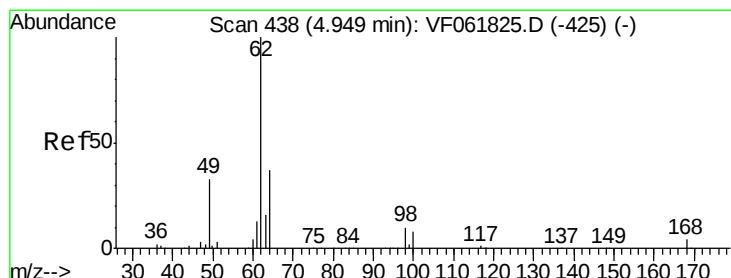
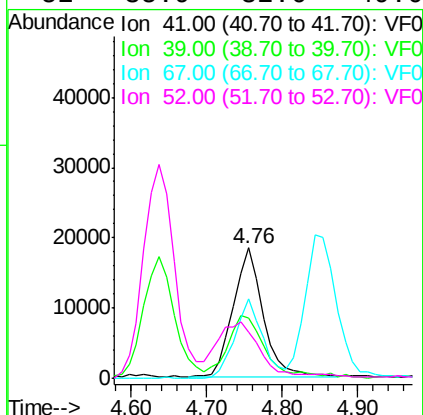
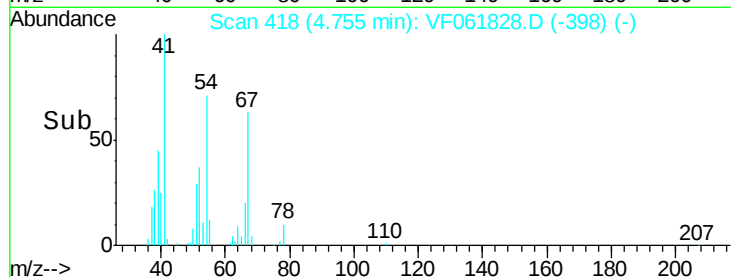
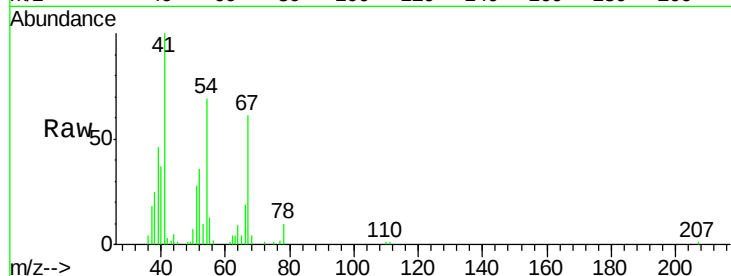
#41
Methacrylonitrile
Concen: 47.020 ug/l
RT: 4.76 min Scan# 418
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49671		
39	46.2	45.3	67.9		
67	60.9	49.3	73.9		
52	35.9	32.6	49.0		

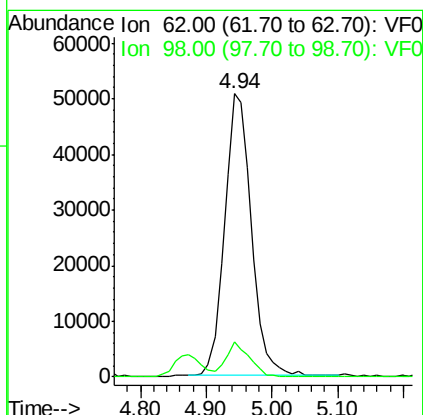
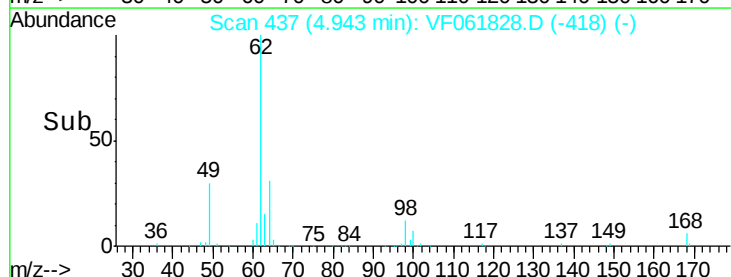
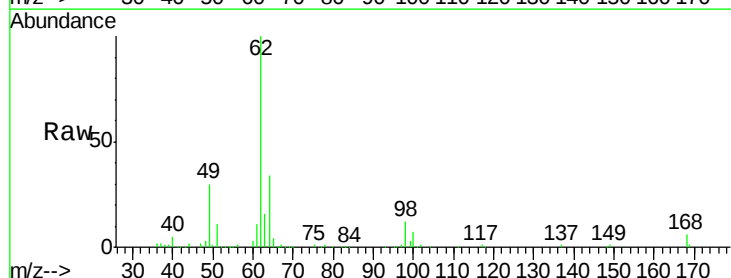
Manual Integrations
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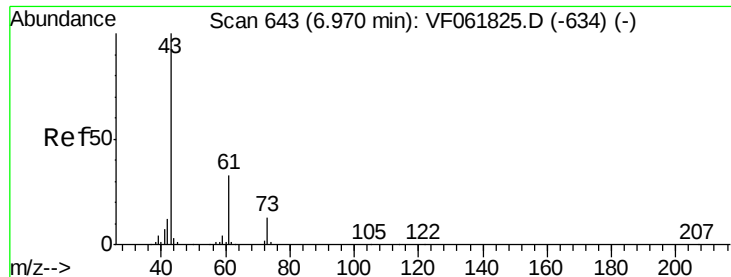
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.810 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		144167		
98	12.2	0.0	26.0		





#43

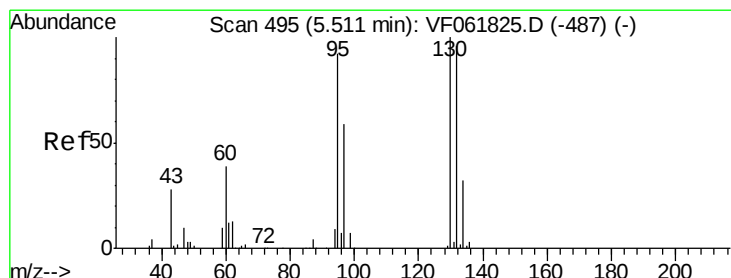
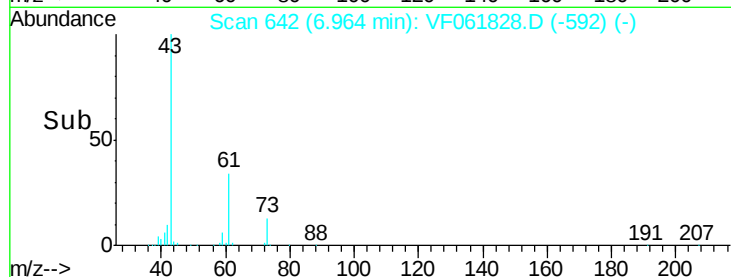
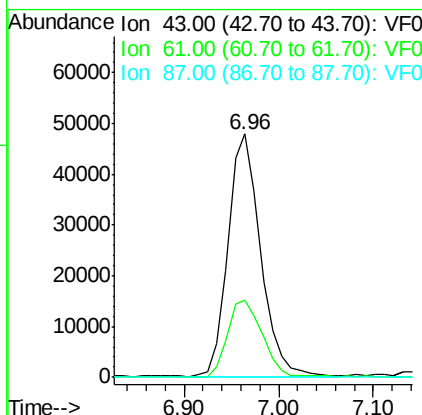
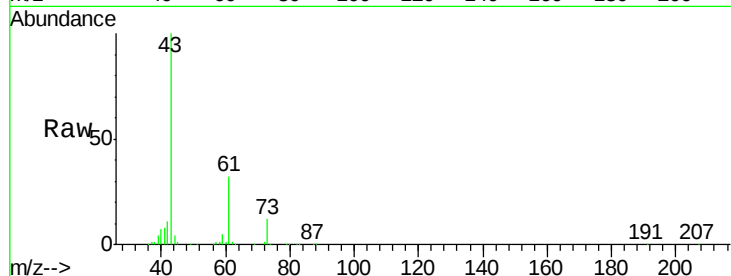
Isopropyl Acetate
 Concen: 47.216 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	43	Resp	115449
Ion Ratio	100	Lower	Upper
43	100		
61	32.0	25.8	38.6
87	0.3	0.4	0.6

Manual Integrations
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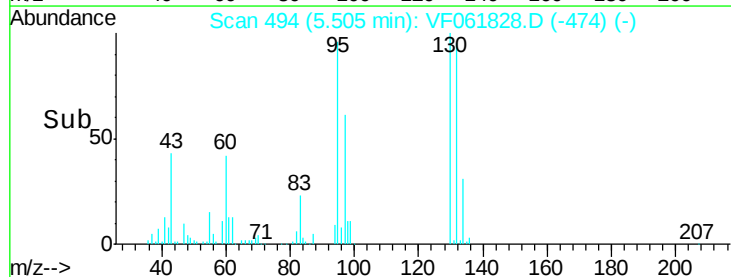
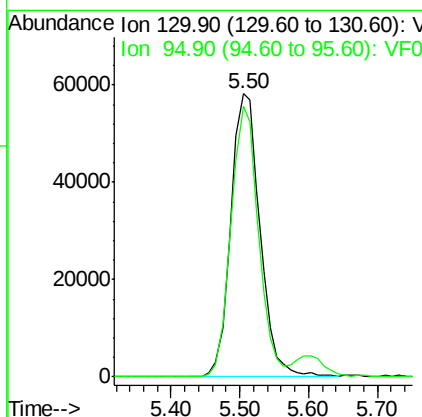
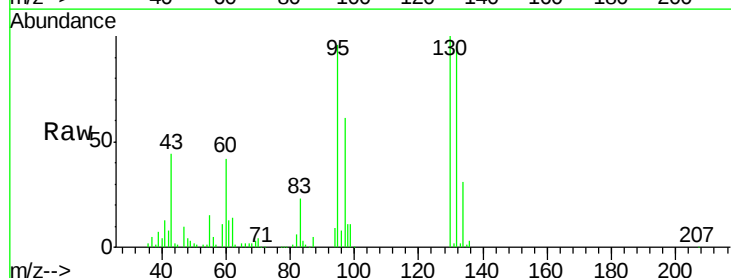
MMDadoda
 3/5/2019 10:47:52 AM

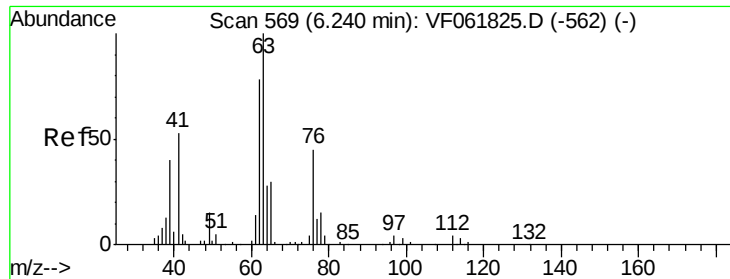


#44

Trichloroethene
 Concen: 45.491 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	130	Resp	171126
Ion Ratio	100	Lower	Upper
130	100		
95	95.8	0.0	179.4





#45

1,2-Dichloropropane

Concen: 49.778 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 63 Resp: 139968

Ion Ratio Lower Upper

63 100

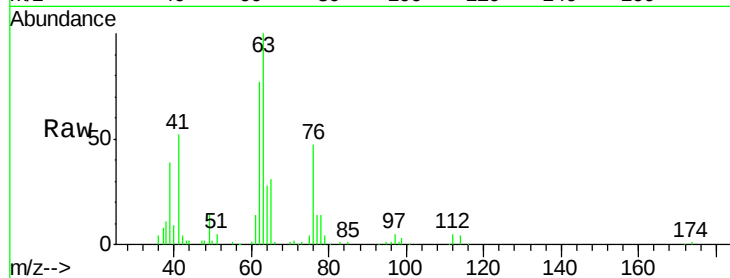
65 31.5 24.9 37.3

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

60000

50000

40000

30000

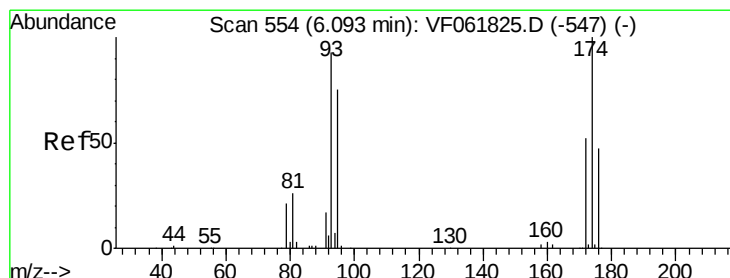
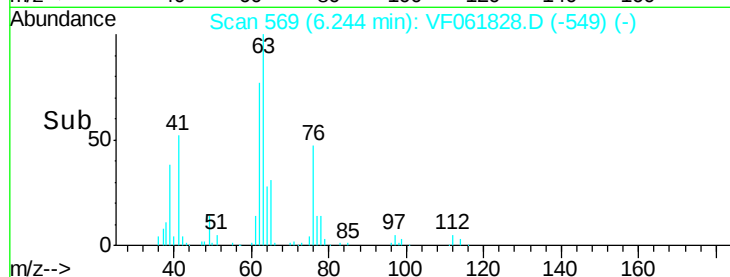
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 51.868 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

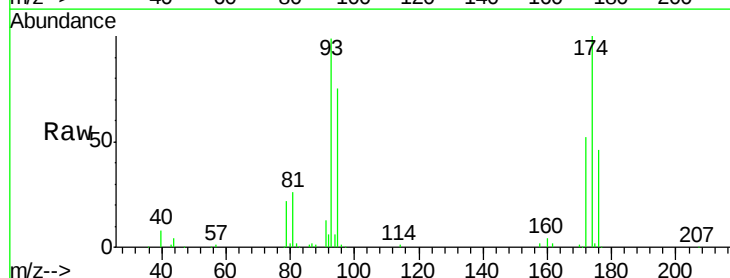
Tgt Ion: 93 Resp: 89797

Ion Ratio Lower Upper

93 100

95 76.1 69.0 103.6

174 101.3 99.3 148.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

40000

30000

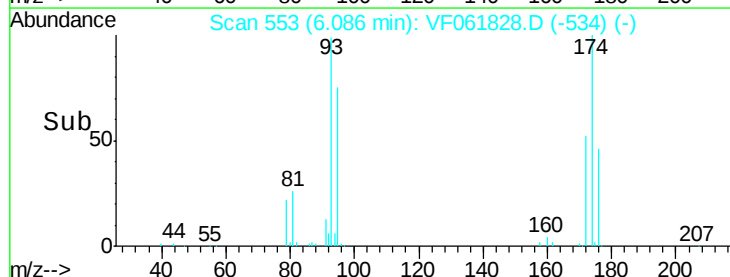
20000

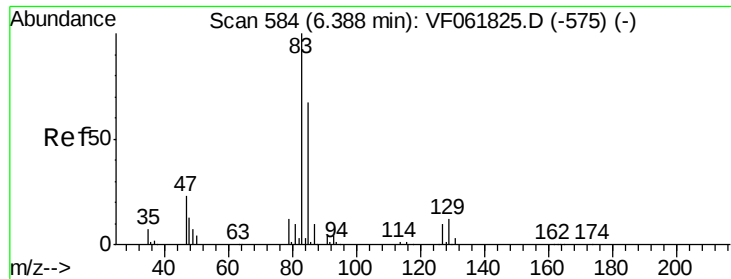
10000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 50.669 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

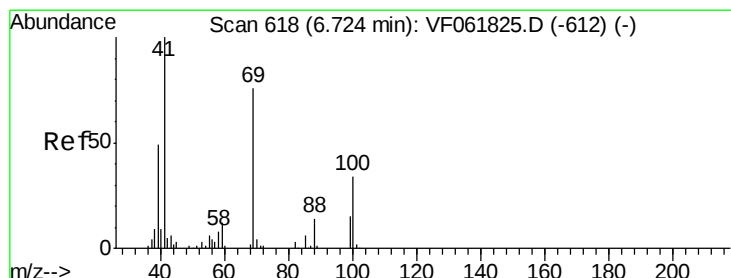
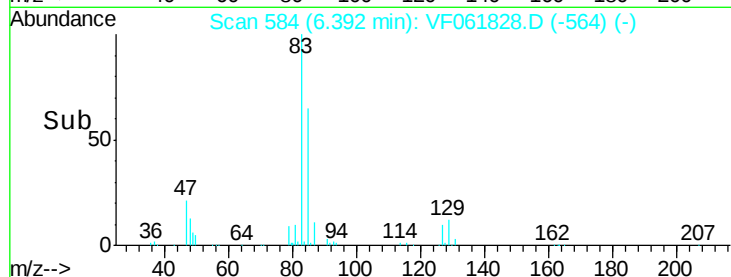
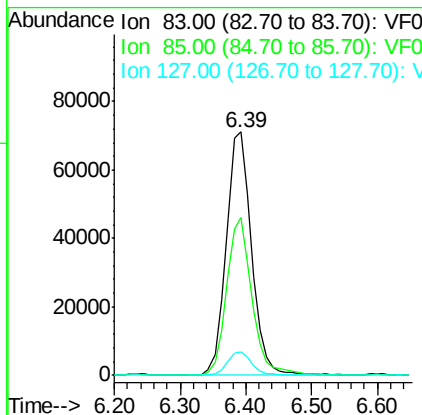
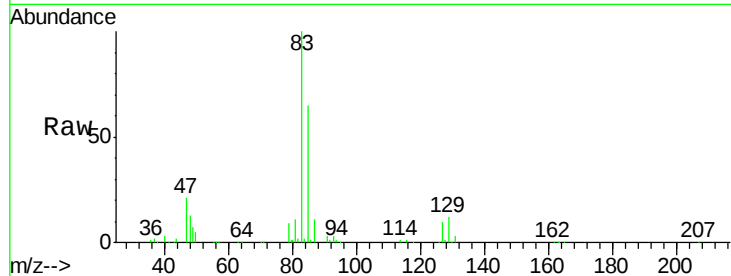
ClientSampleId :

ICVVF030419

Tot Ion:	83	Resp:	192098
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.2
127	9.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.424 ug/l

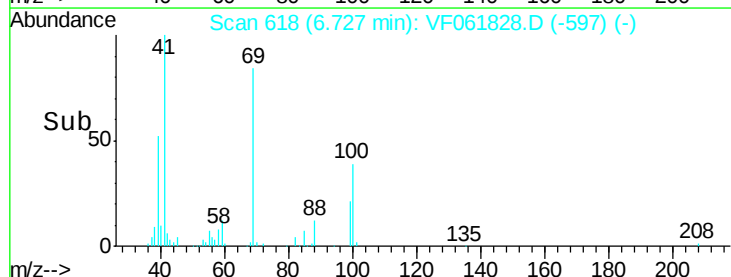
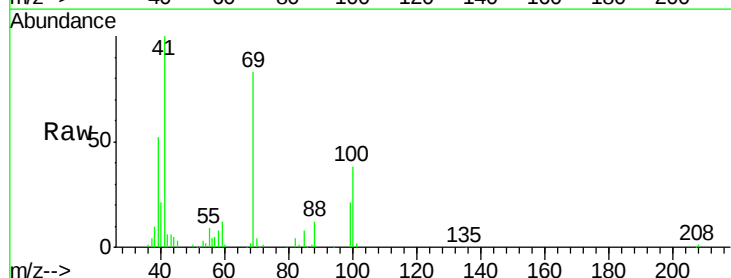
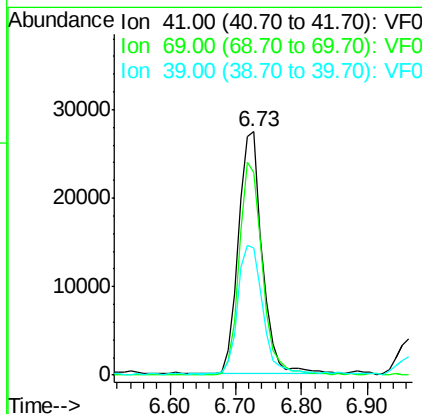
RT: 6.73 min Scan# 618

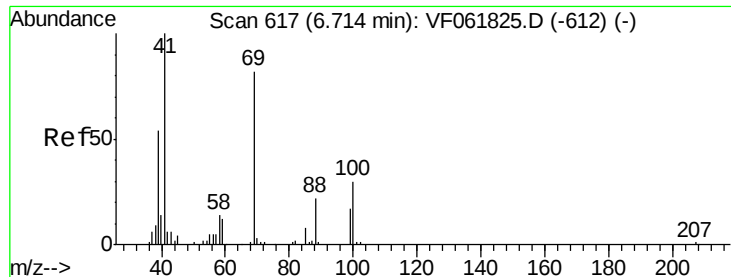
Delta R.T. 0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	41	Resp:	69781
Ion	Ratio	Lower	Upper
41	100		
69	83.3	60.4	90.6
39	52.0	43.7	65.5





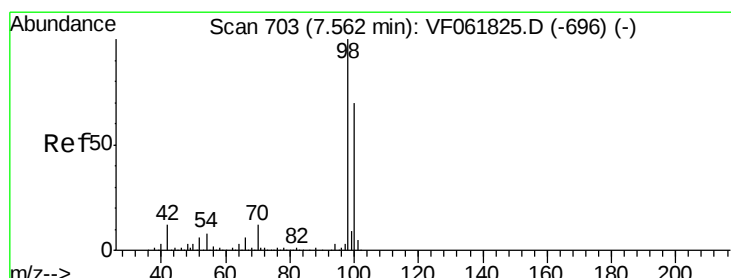
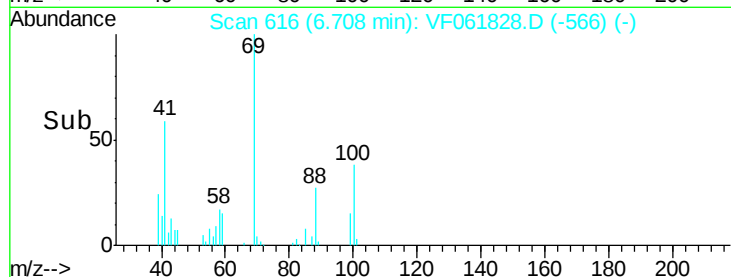
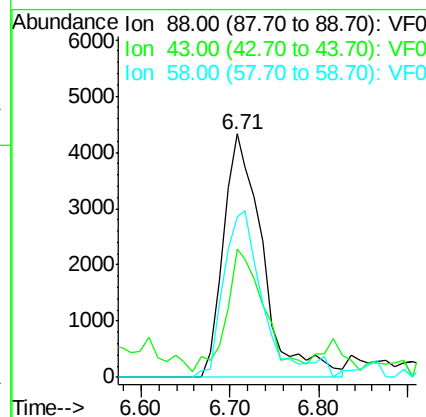
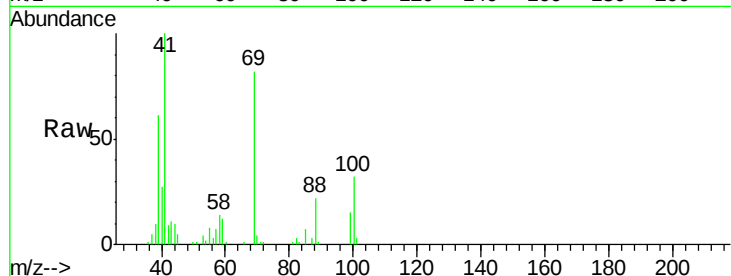
#49
1,4-Dioxane
Concen: 970.920 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	52.8	32.3	48.5#	
58	65.8	59.4	89.2	

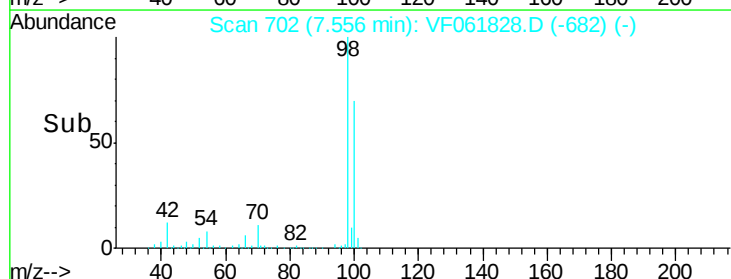
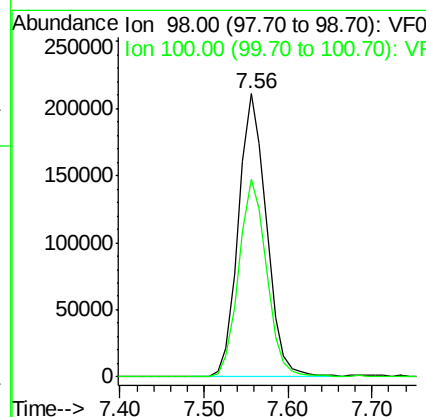
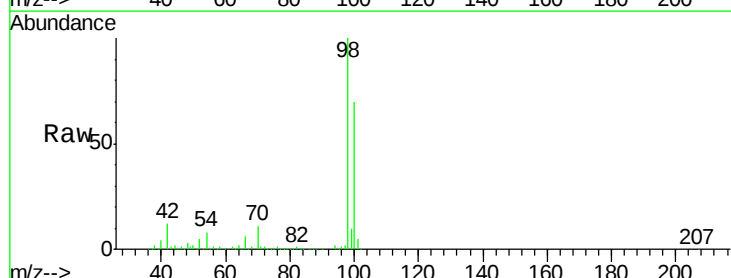
Manual Integrations
APPROVED

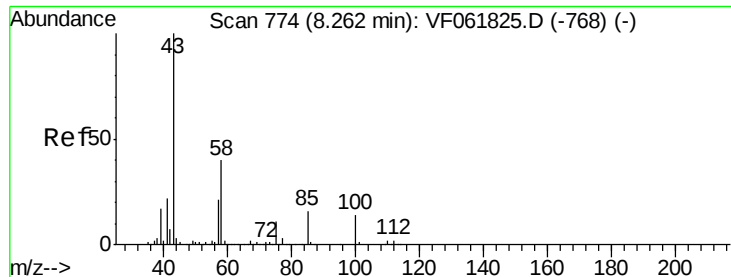
MMDadoda
3/5/2019 10:47:52 AM



#50
Toluene-d8
Concen: 51.188 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.6	55.4	83.2	





#51

4-Methyl-2-Pentanone

Concen: 226.101 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion: 43 Resp: 395022

Ion Ratio Lower Upper

43 100

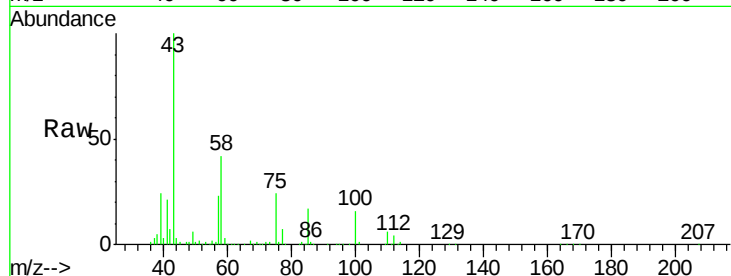
58 41.6 33.1 49.7

Manual Integrations

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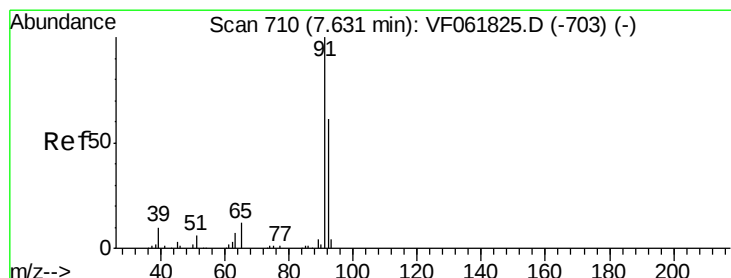
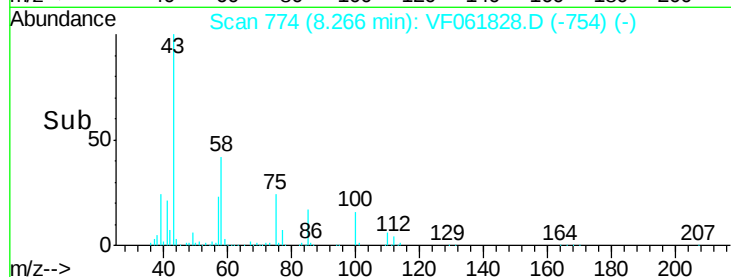
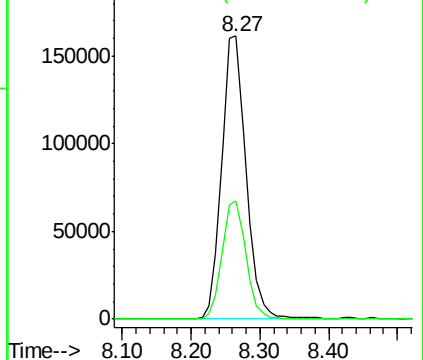
MMDadoda

3/5/2019 10:47:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.966 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061828.D

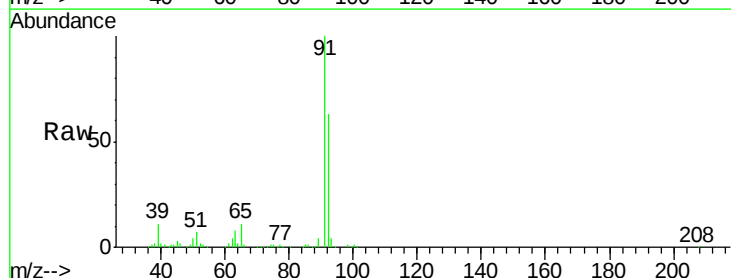
Acq: 4 Mar 2019 19:24

Tgt Ion: 92 Resp: 359569

Ion Ratio Lower Upper

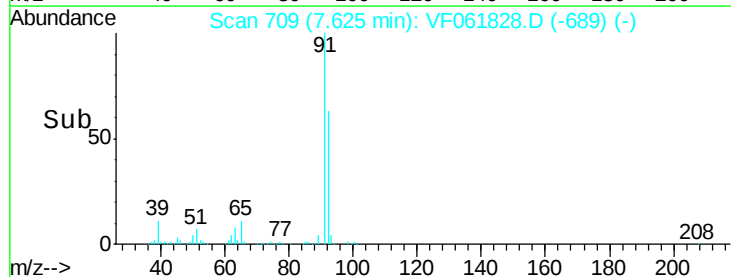
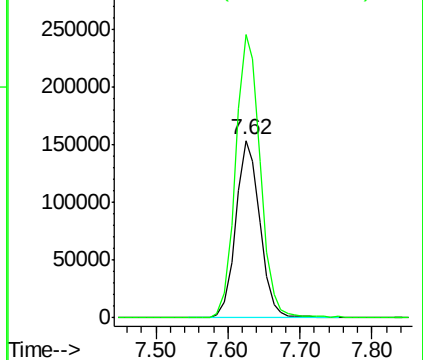
92 100

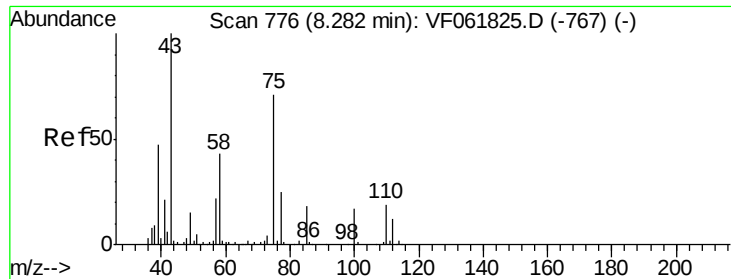
91 159.5 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





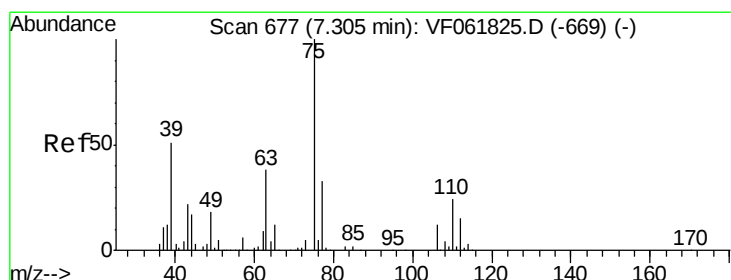
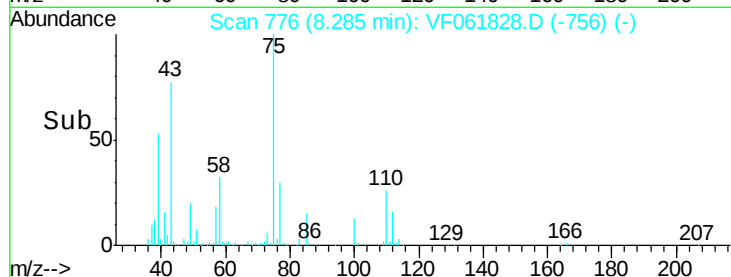
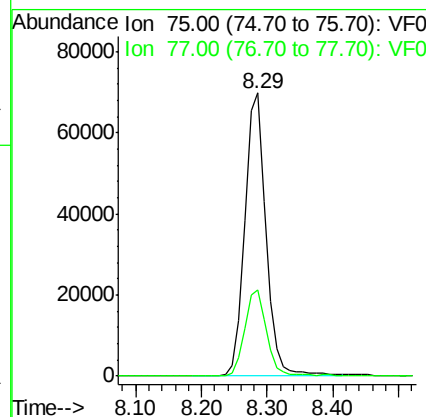
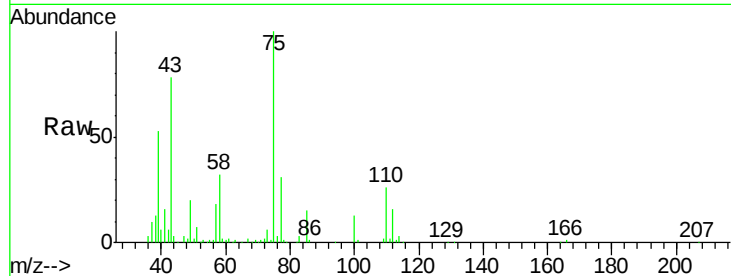
#53
 t-1,3-Dichloropropene
 Concen: 50.286 ug/l
 RT: 8.29 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.2	39.2

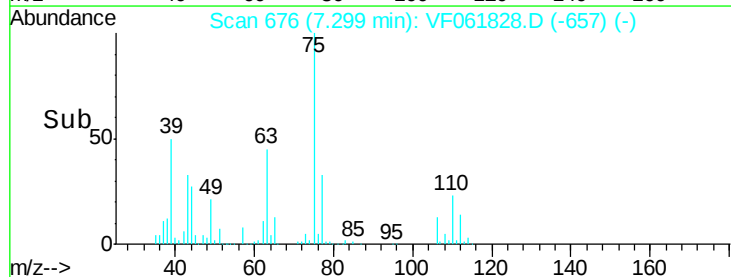
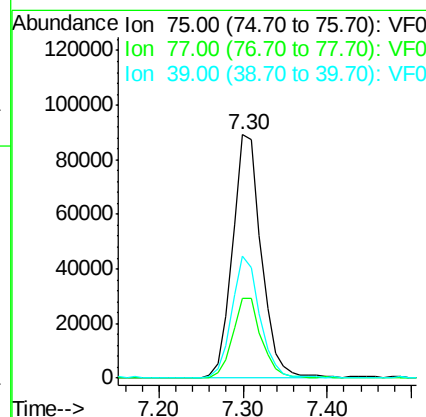
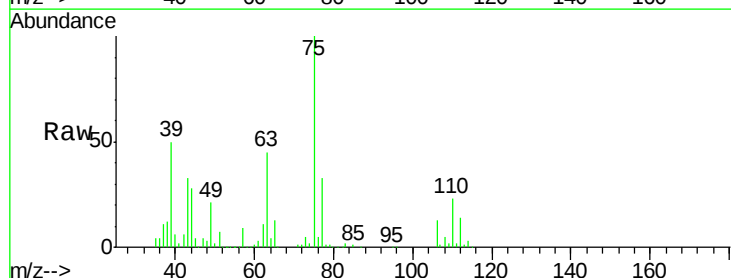
Manual Integrations
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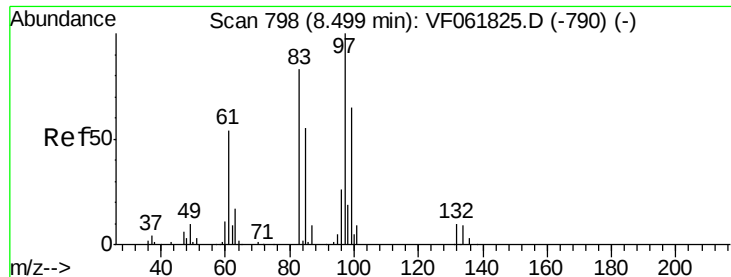
MMDadoda
 3/5/2019 10:47:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.635 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.4	39.6
39	50.0	36.0	54.0





#55

1,1,2-Trichloroethane

Concen: 46.678 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

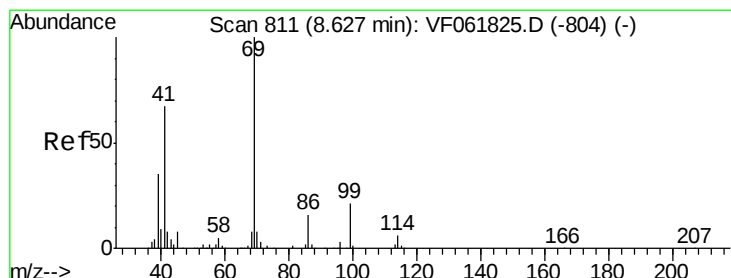
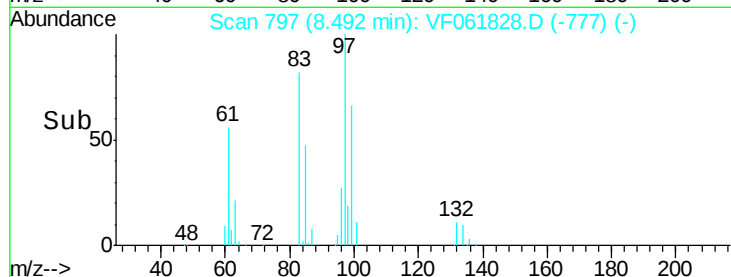
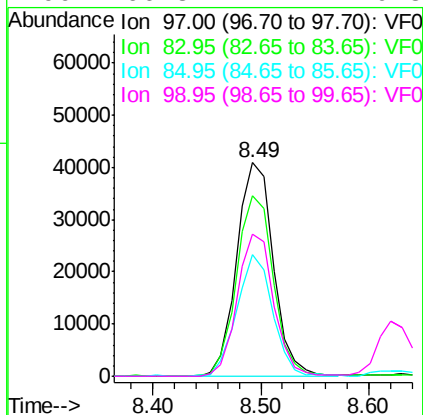
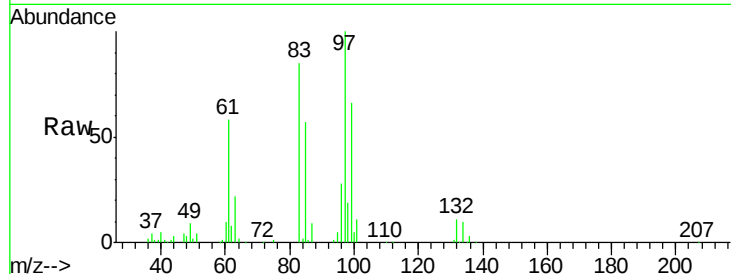
ClientSampleId :

ICVVF030419

Tot Ion:	97	Resp:	96755
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.2	103.8
85	56.7	43.0	64.4
99	66.3	47.2	70.8

Manual Integrations
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MMDadoda
3/5/2019 10:47:52 AM



#56

Ethyl methacrylate

Concen: 47.982 ug/l

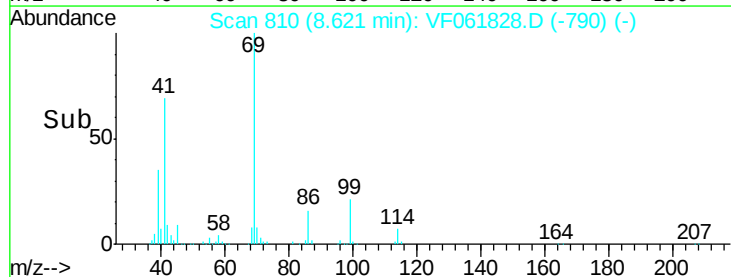
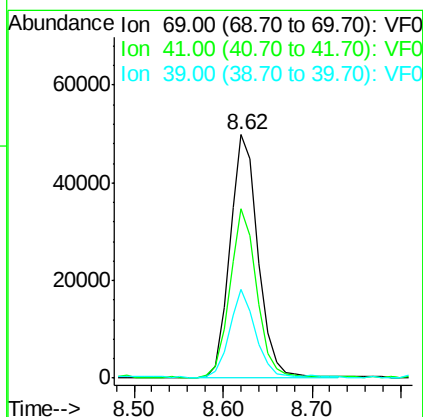
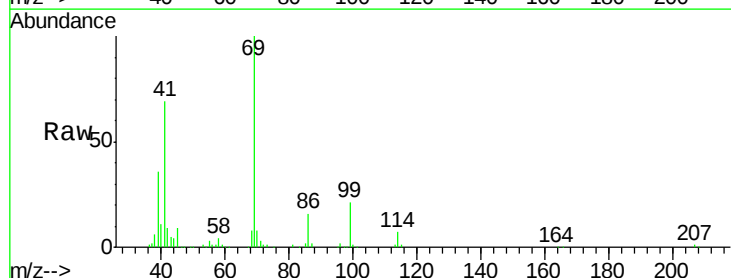
RT: 8.62 min Scan# 810

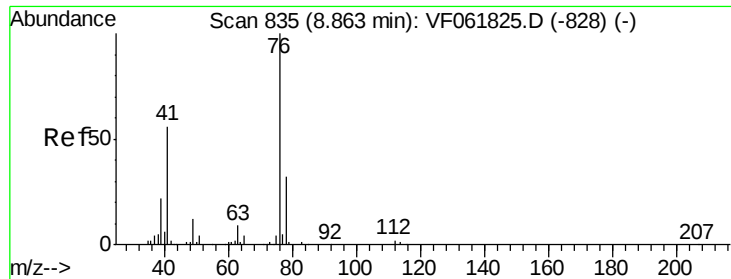
Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	69	Resp:	110732
Ion	Ratio	Lower	Upper
69	100		
41	69.4	52.9	79.3
39	36.3	24.5	36.7





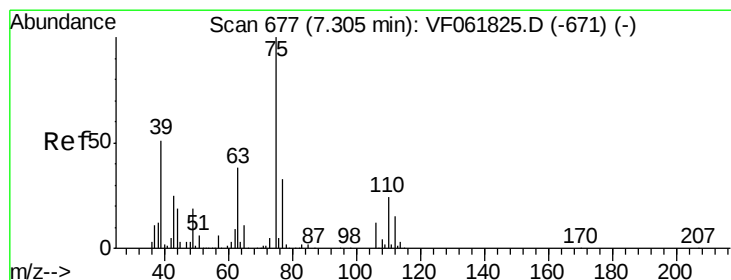
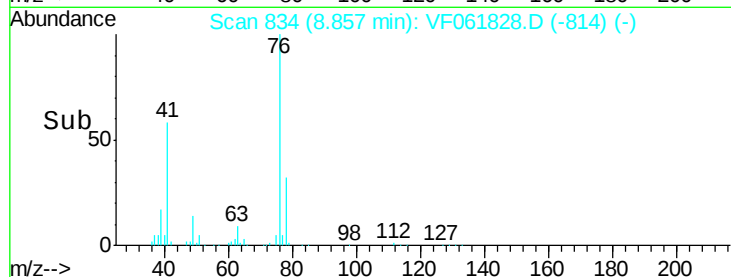
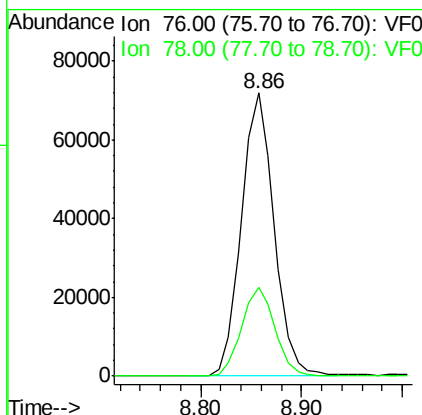
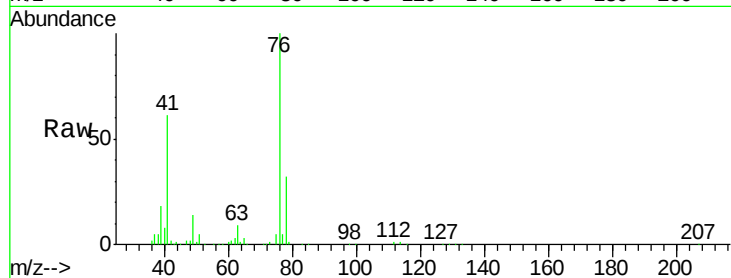
#57
 1,3-Dichloropropane
 Concen: 47.095 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion: 76 Resp: 162942
 Ion Ratio Lower Upper
 76 100
 78 31.5 27.8 41.6

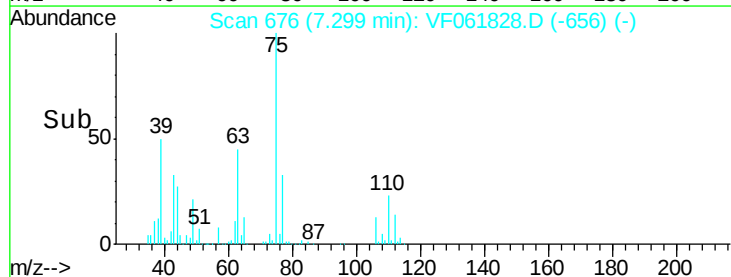
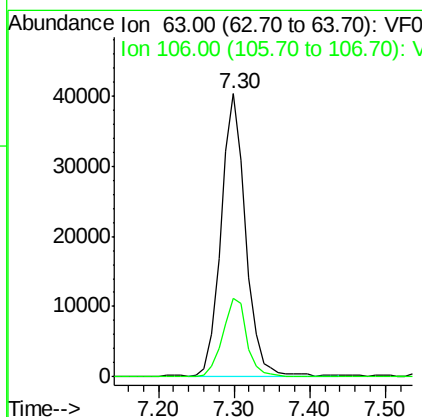
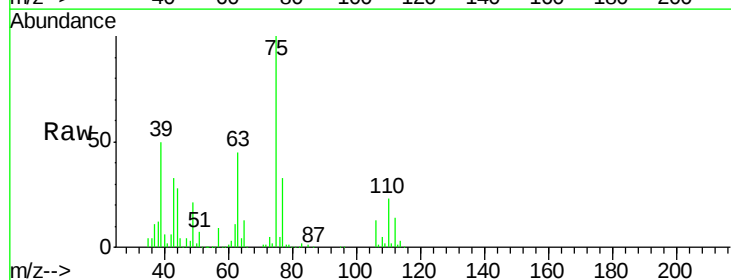
Manual Integrations
 APPROVED

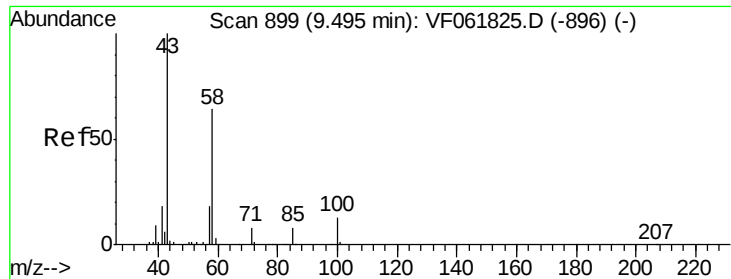
MMDadoda
 3/5/2019 10:47:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.423 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion: 63 Resp: 90157
 Ion Ratio Lower Upper
 63 100
 106 27.9 24.6 36.8





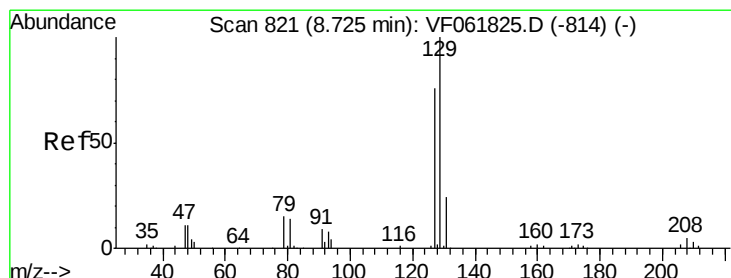
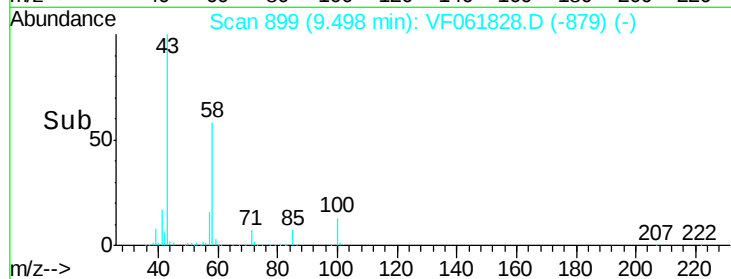
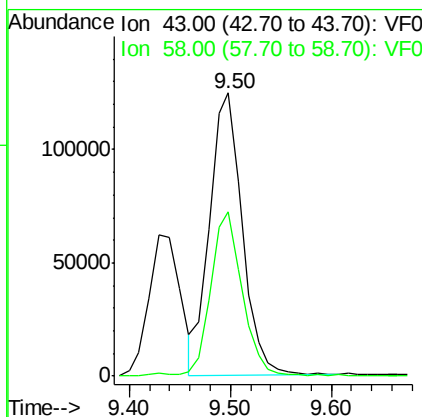
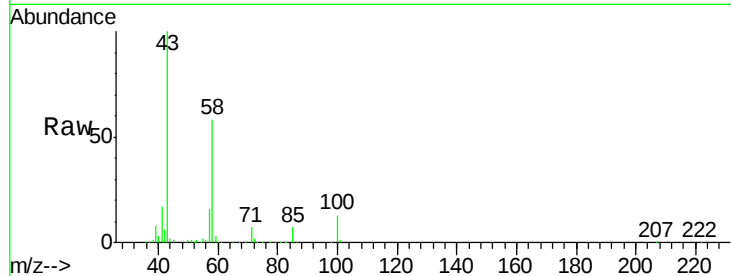
#59
2-Hexanone
Concen: 229.459 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion: 43 Resp: 281012
Ion Ratio Lower Upper
43 100
58 58.2 28.5 85.5

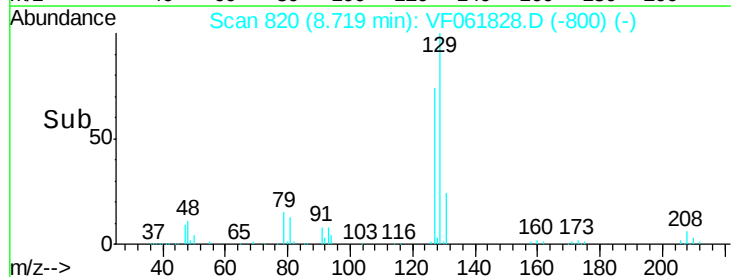
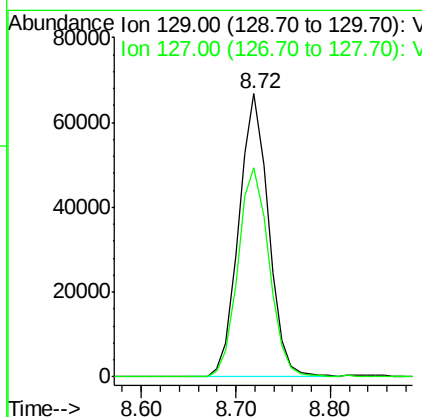
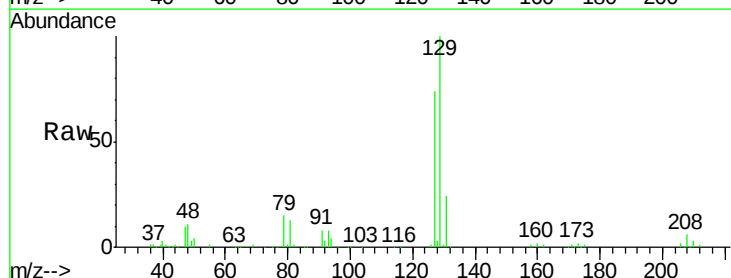
Manual Integrations
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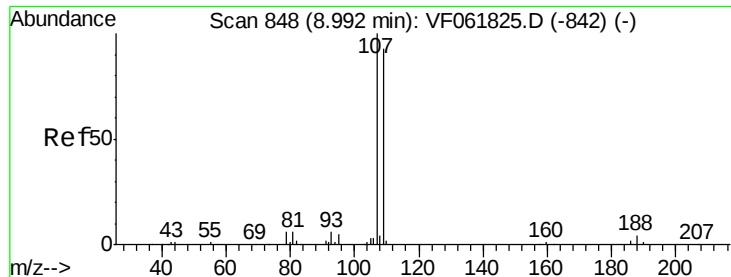
MMDadoda
3/5/2019 10:47:52 AM



#60
Dibromochloromethane
Concen: 50.484 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion:129 Resp: 145652
Ion Ratio Lower Upper
129 100
127 74.1 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.466 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion:107 Resp: 111212

Ion Ratio Lower Upper

107 100

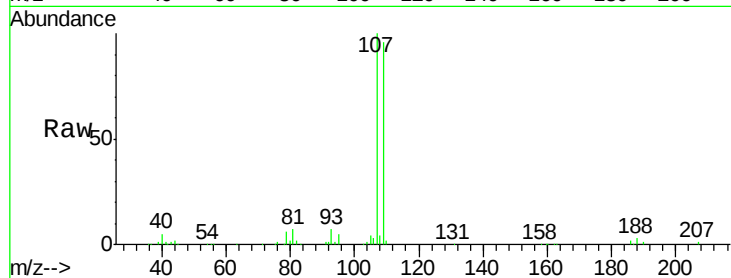
109 96.1 77.4 116.0

Manual Integrations

APPROVED

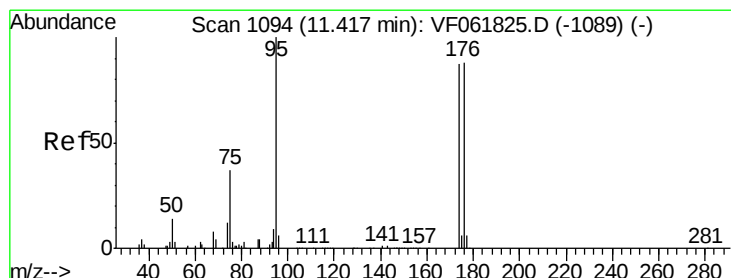
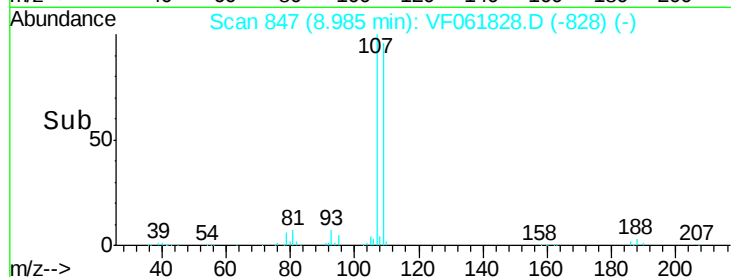
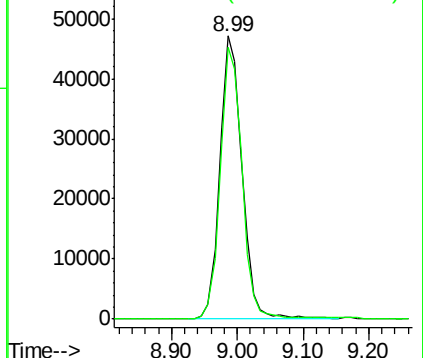
MMDadoda

3/5/2019 10:47:52 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.415 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

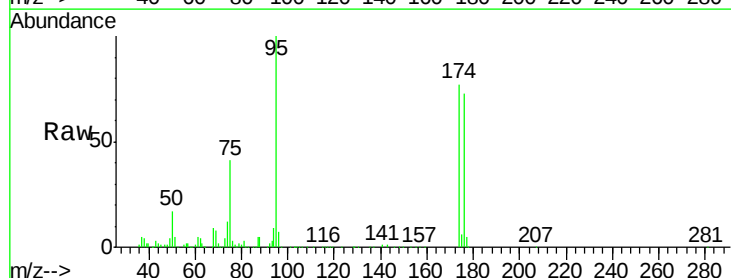
Tgt Ion: 95 Resp: 187744

Ion Ratio Lower Upper

95 100

174 77.4 0.0 165.8

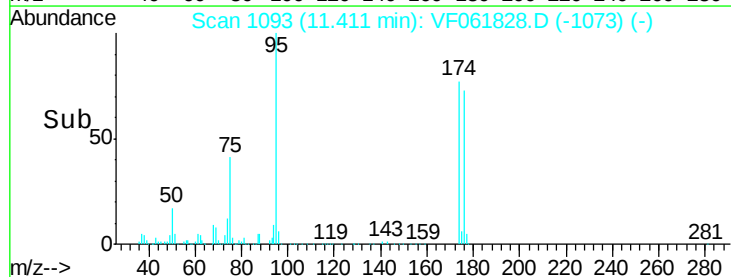
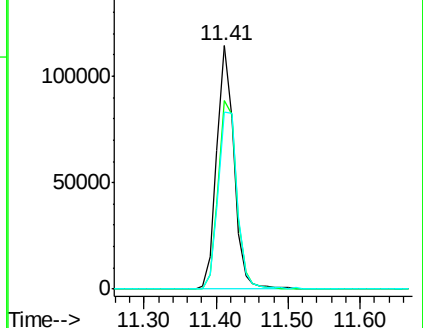
176 73.0 0.0 167.0

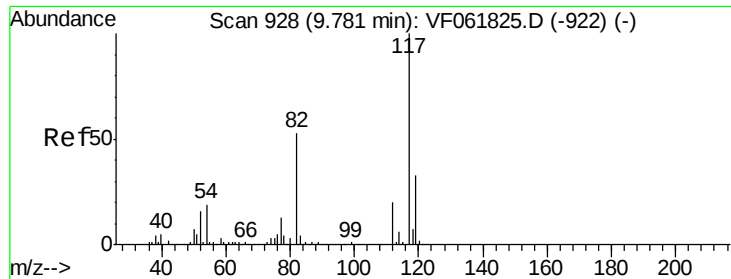


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





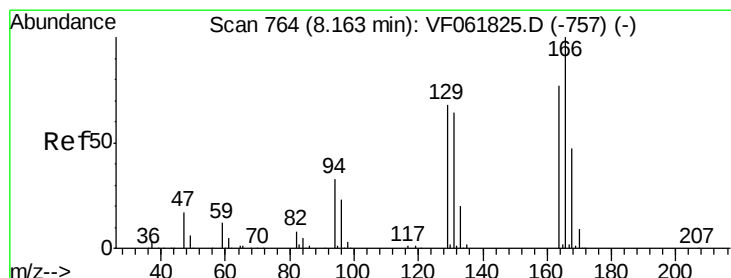
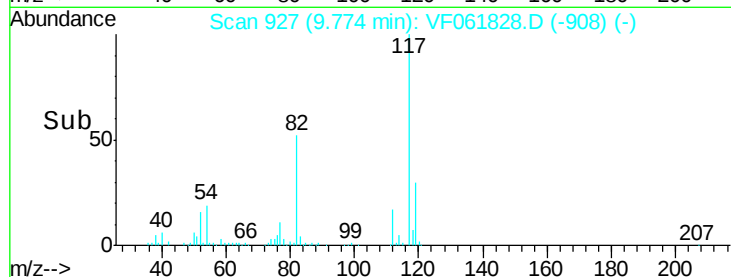
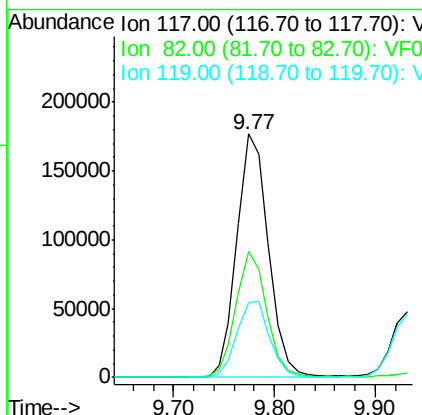
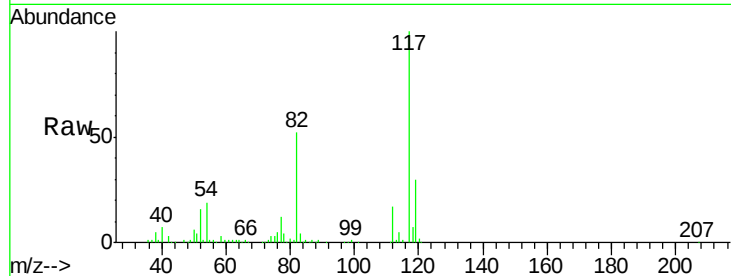
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389189		
82	51.9		39.3	58.9
119	30.5		26.6	40.0

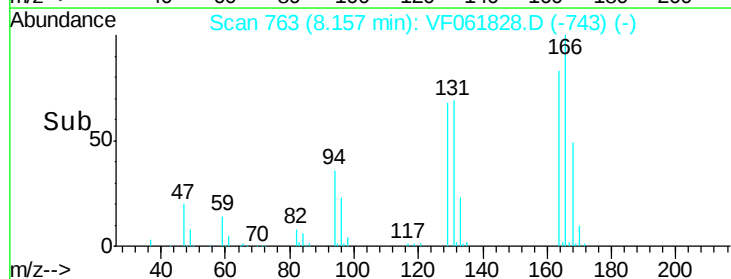
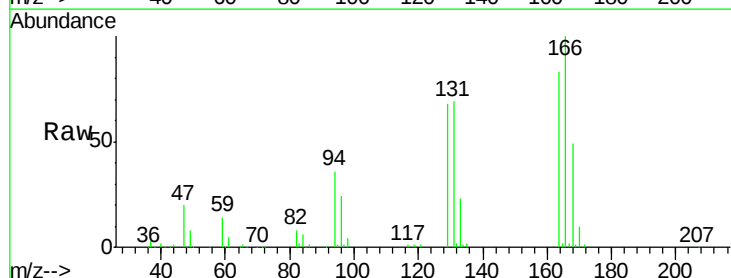
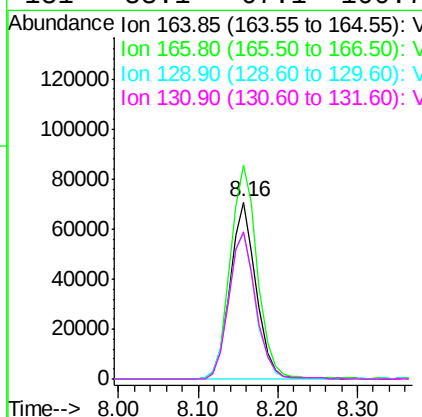
Manual Integrations
APPROVED

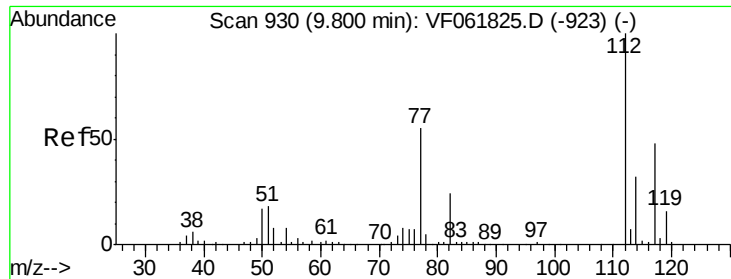
MMDadoda
3/5/2019 10:47:52 AM



#64
Tetrachloroethene
Concen: 50.643 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161103		
166	120.5		103.9	155.9
129	82.4		71.3	106.9
131	83.1		67.1	100.7





#65

Chlorobenzene

Concen: 49.205 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion:112 Resp: 388600

Ion Ratio Lower Upper

112 100

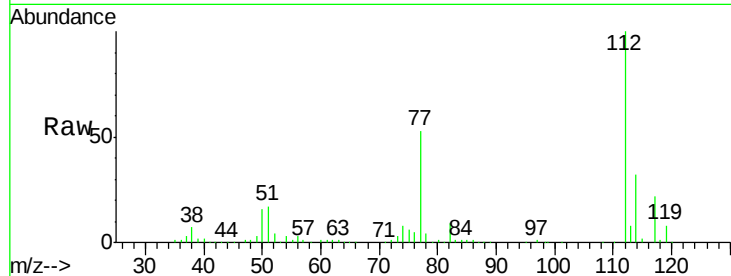
114 32.3 26.2 39.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

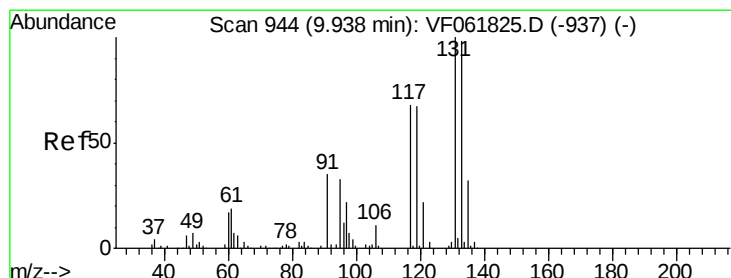
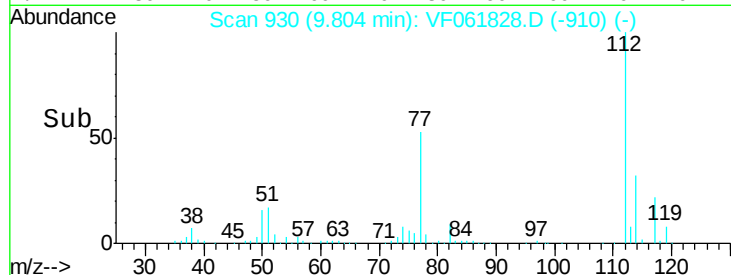
100000

50000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.059 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

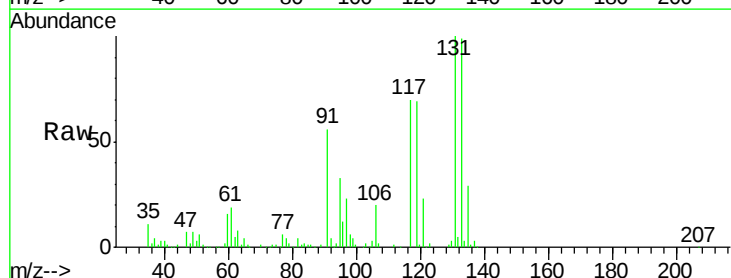
Tgt Ion:131 Resp: 154916

Ion Ratio Lower Upper

131 100

133 98.9 48.9 146.6

119 68.7 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

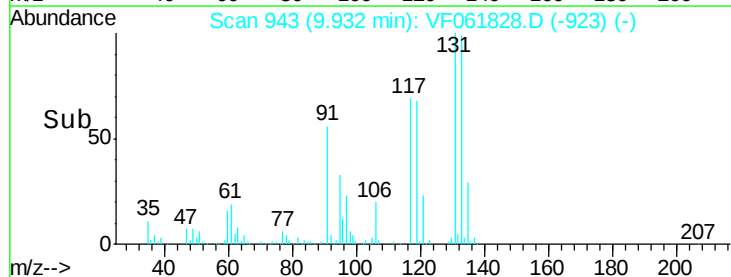
40000

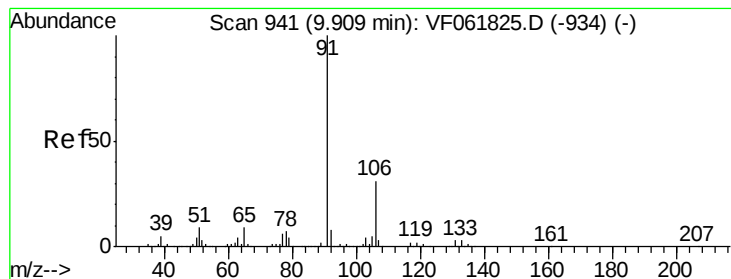
20000

0

9.80 9.90 10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 51.249 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tot Ion: 91 Resp: 673085

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

Instrument :

MSVOA_F

ClientSampleId :

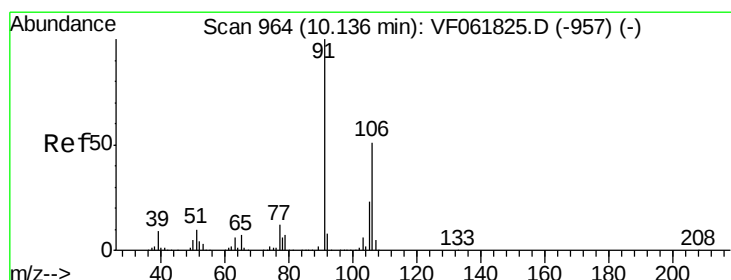
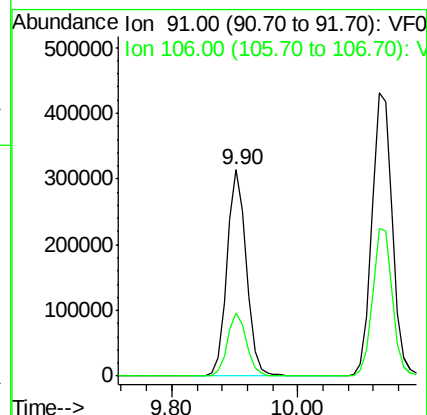
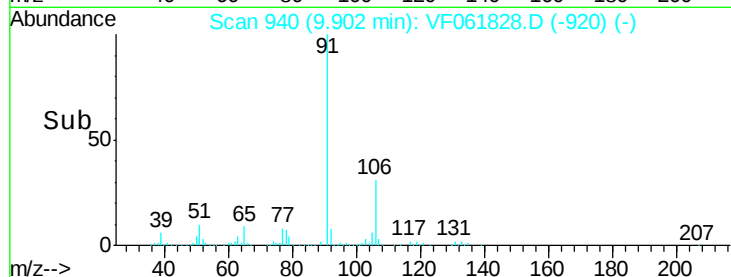
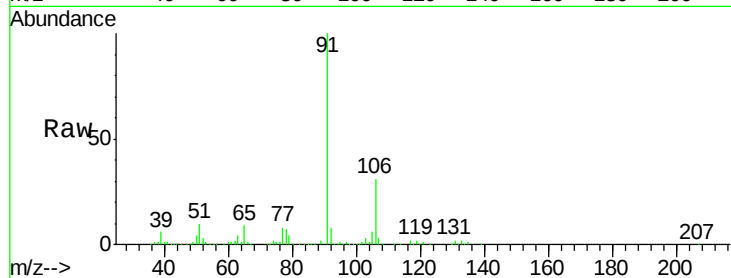
ICVVF030419

Manual Integrations

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3/5/2019 10:47:52 AM



#68

m/p-Xylenes

Concen: 97.296 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061828.D

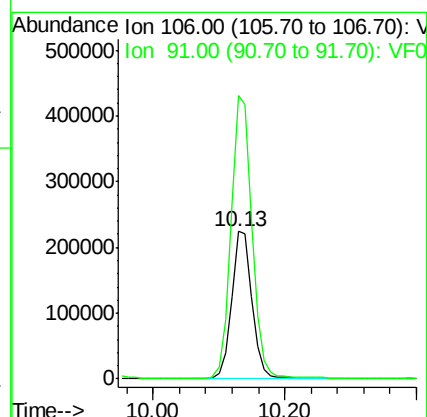
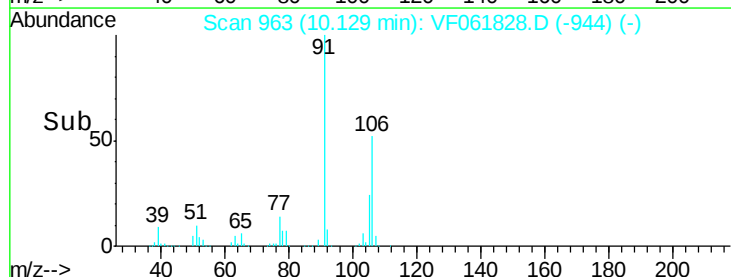
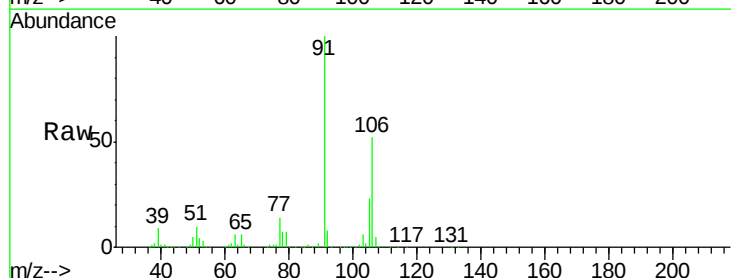
Acq: 4 Mar 2019 19:24

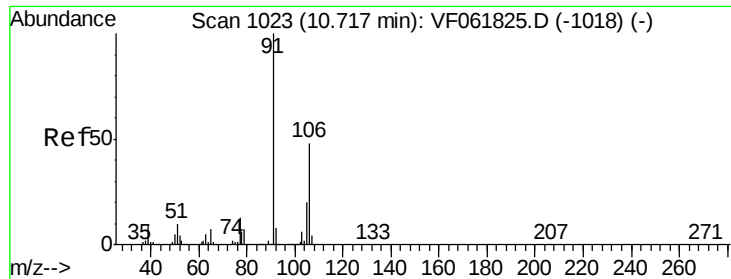
Tgt Ion: 106 Resp: 489048

Ion Ratio Lower Upper

106 100

91 192.1 153.0 229.6





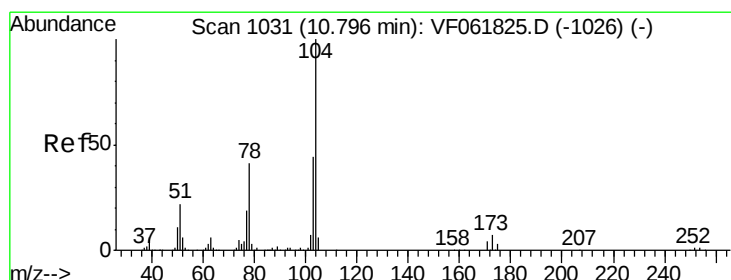
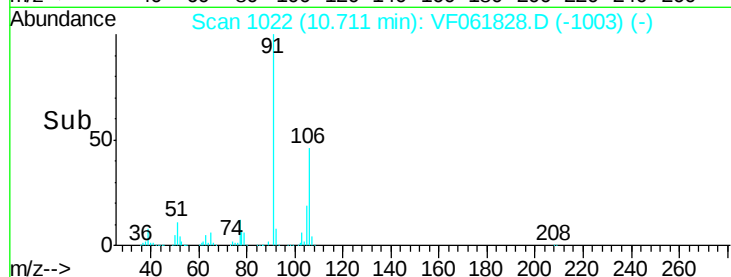
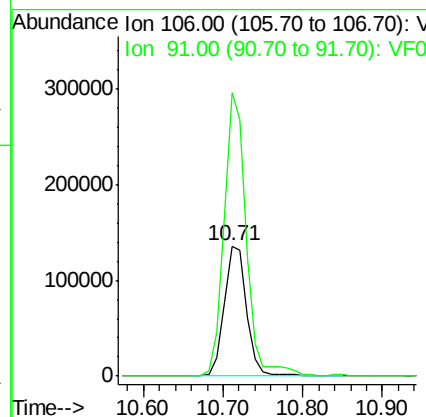
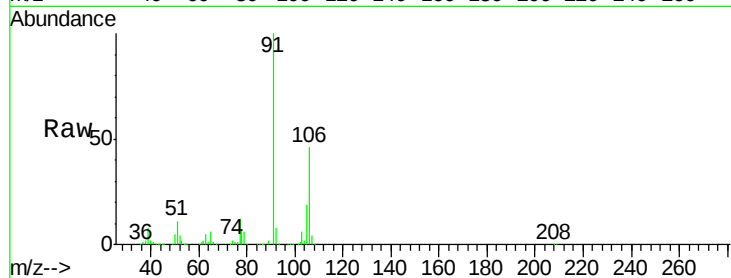
#69
o-Xylene
Concen: 50.441 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		270538		
91	217.6	100.1	300.1		

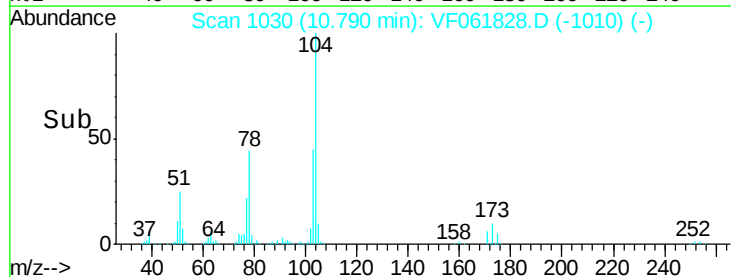
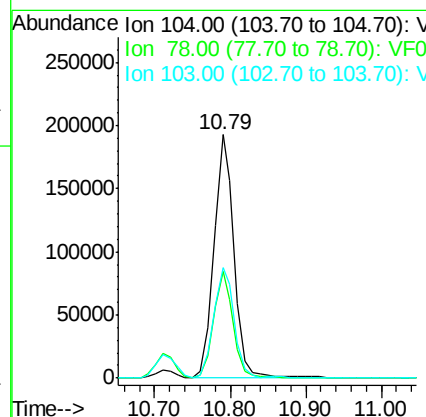
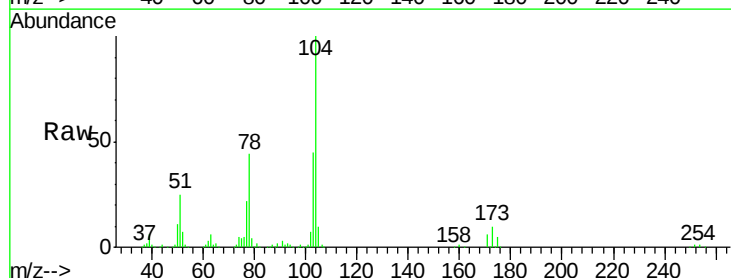
Manual Integrations
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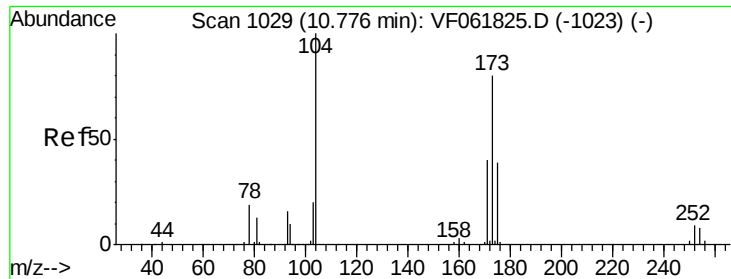
MMDadoda
3/5/2019 10:47:52 AM



#70
Styrene
Concen: 46.985 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		356495		
78	43.7	33.2	49.8		
103	45.3	37.2	55.8		





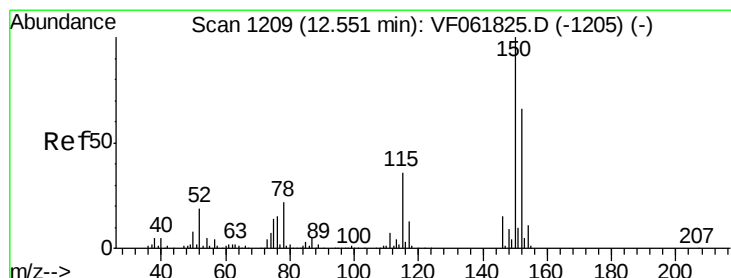
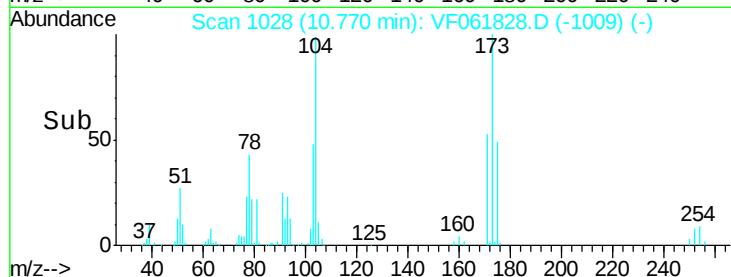
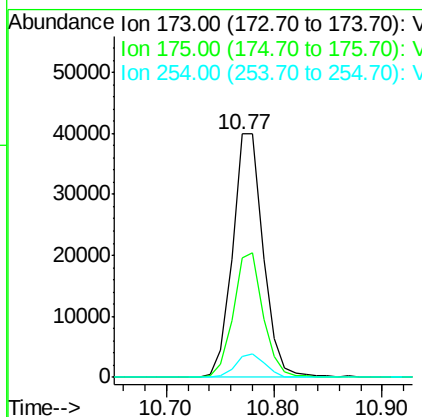
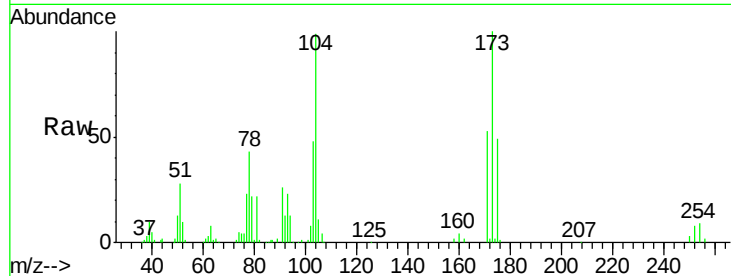
#71
Bromoform
Concen: 46.967 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	8.7	8.2	12.2

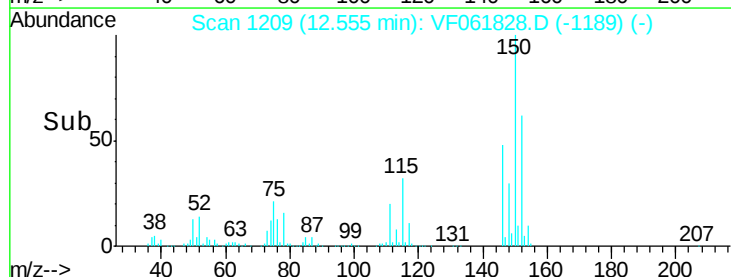
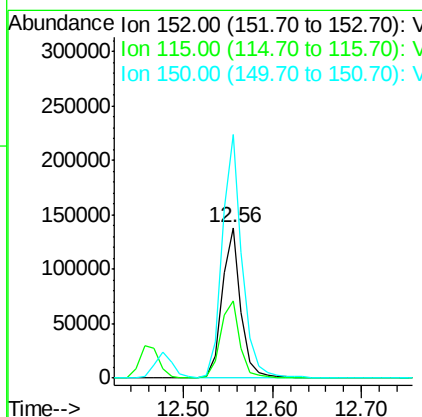
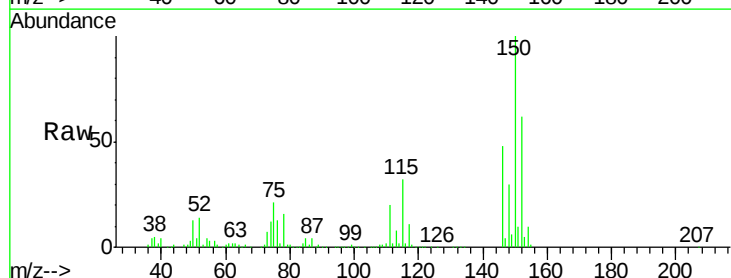
Manual Integrations
APPROVED

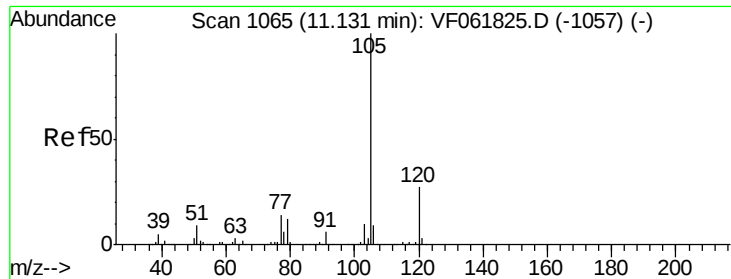
MMDadoda
3/5/2019 10:47:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.1	24.3	72.8
150	161.8	0.0	312.0





#73

Isopropylbenzene

Concen: 51.967 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

ICVVF030419

Tot Ion:105 Resp: 755107

Ion Ratio Lower Upper

105 100

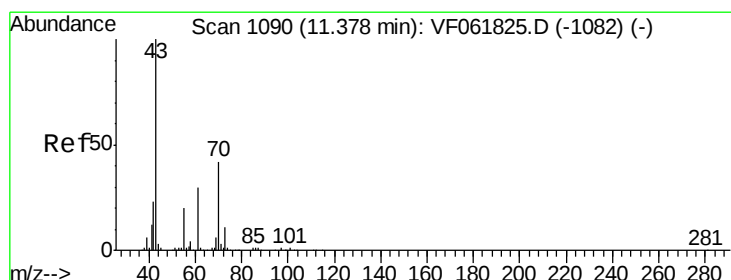
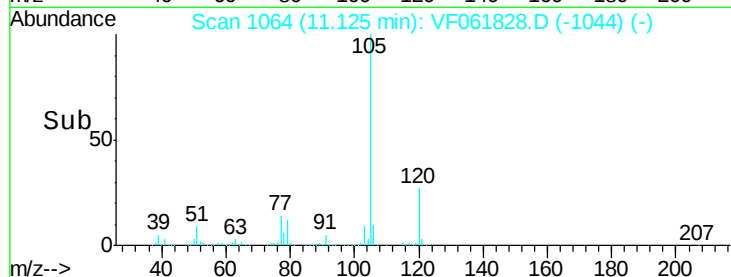
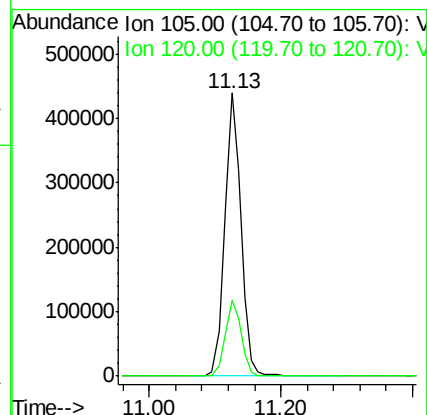
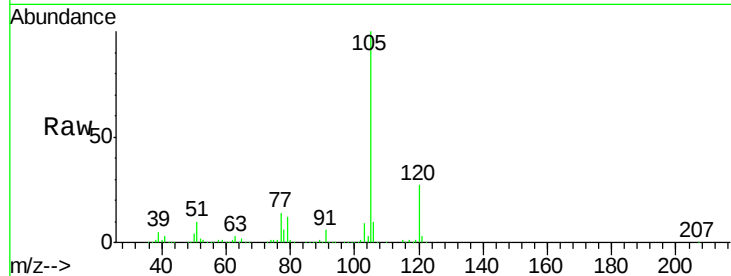
120 27.0 13.4 40.1

Manual Integrations

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MMDadoda

3/5/2019 10:47:52 AM



#74

N-ethyl acetate

Concen: 50.505 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion: 43 Resp: 176145

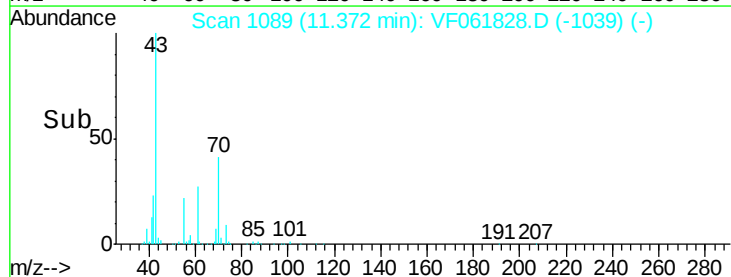
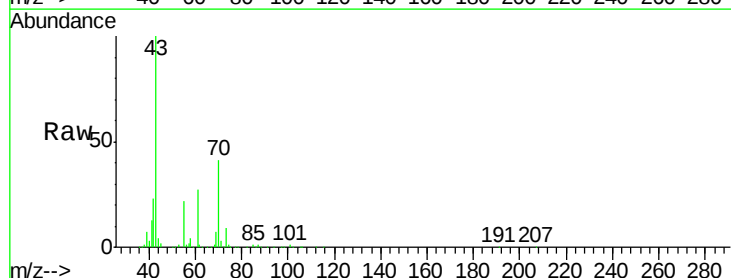
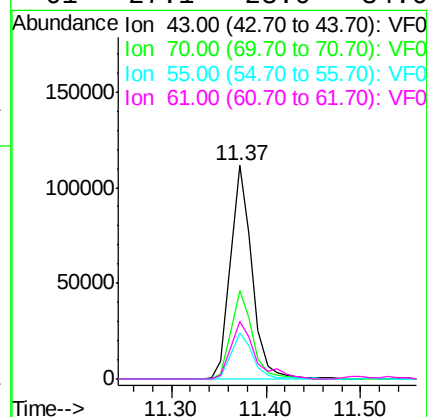
Ion Ratio Lower Upper

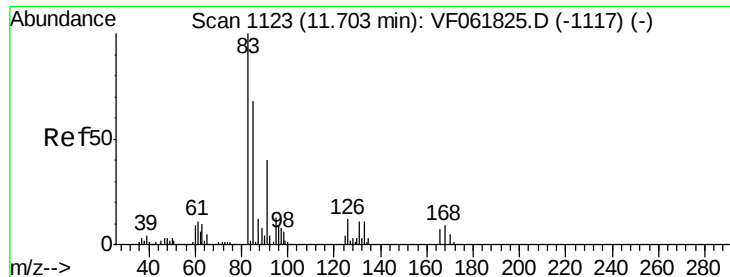
43 100

70 41.2 31.5 47.3

55 21.5 16.7 25.1

61 27.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.134 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

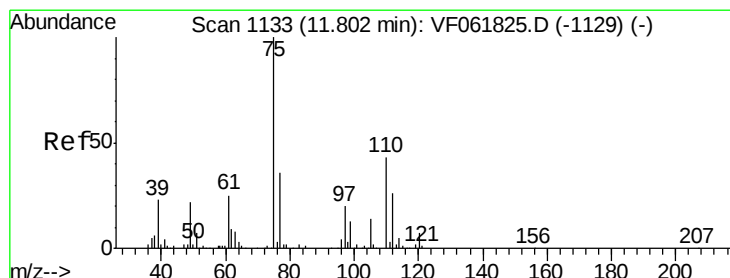
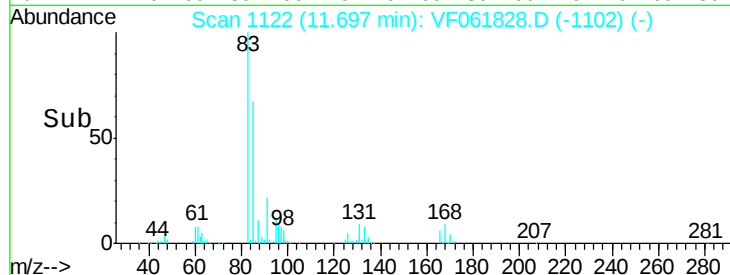
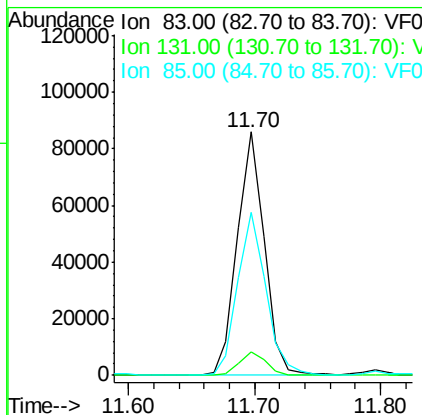
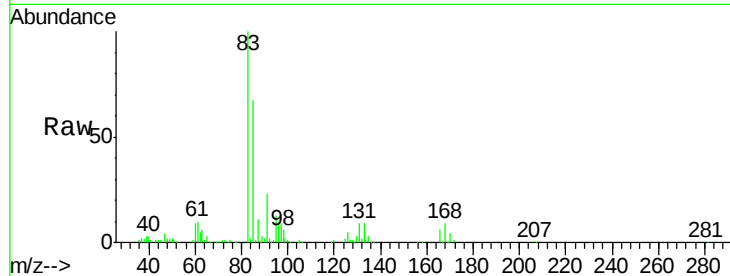
ClientSampleId :

ICVVF030419

Tot Ion:	83	Resp:	127904
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.4	13.2
85	66.8	31.5	94.5

Manual Integrations
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3/5/2019 10:47:52 AM



#76

1,2,3-Trichloropropane

Concen: 48.775 ug/l

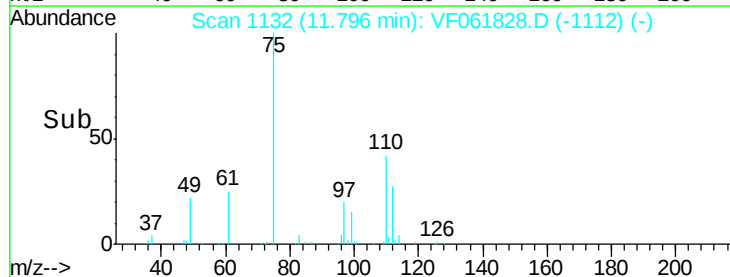
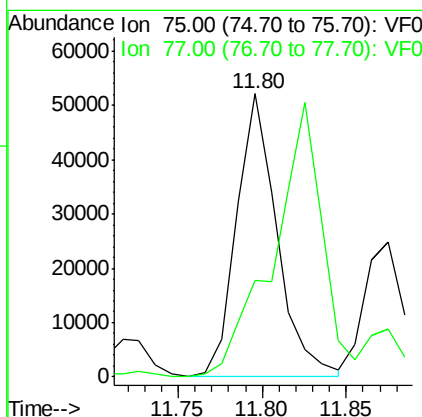
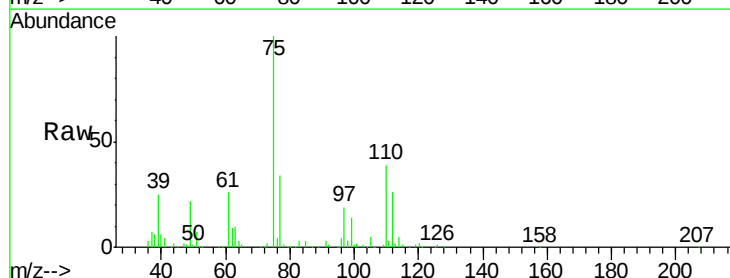
RT: 11.80 min Scan# 1132

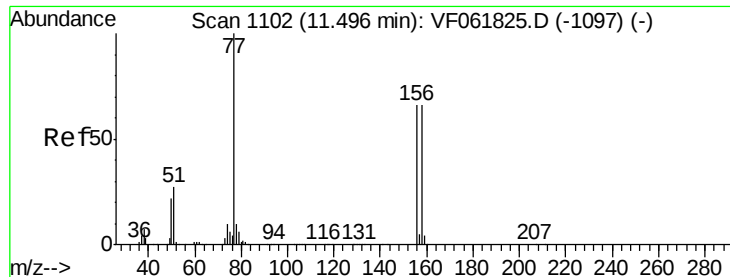
Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	75	Resp:	86325
Ion Ratio	Lower	Upper	
75	100		
77	34.3	16.6	49.7





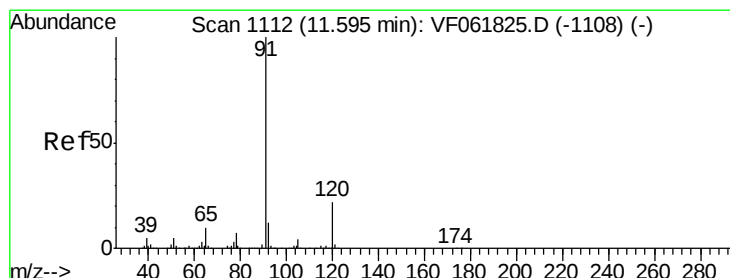
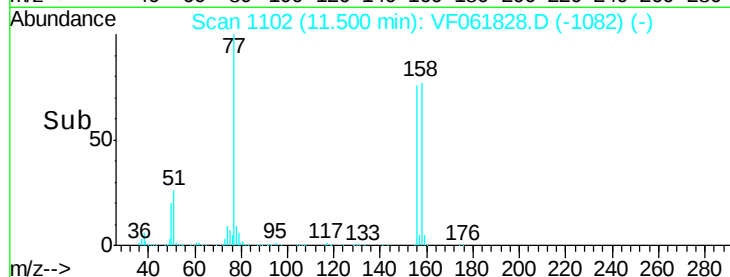
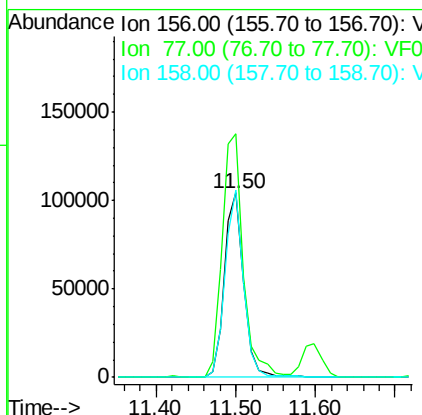
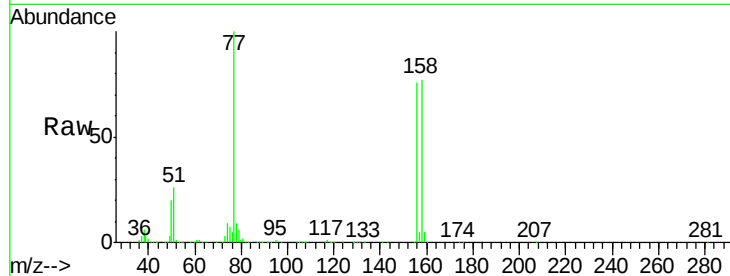
#77
Bromobenzene
Concen: 50.013 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.1	64.3	192.7
158	101.5	50.9	152.7

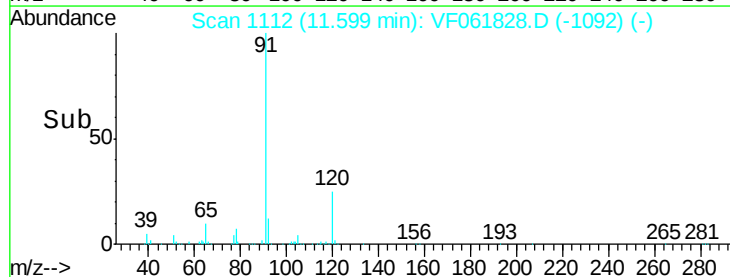
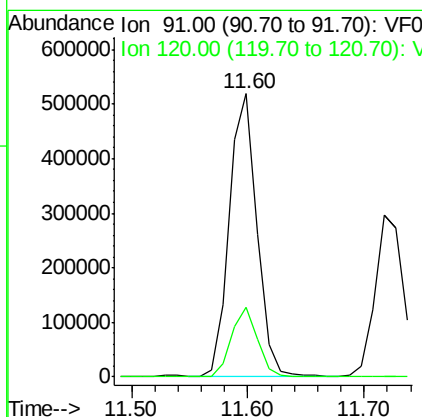
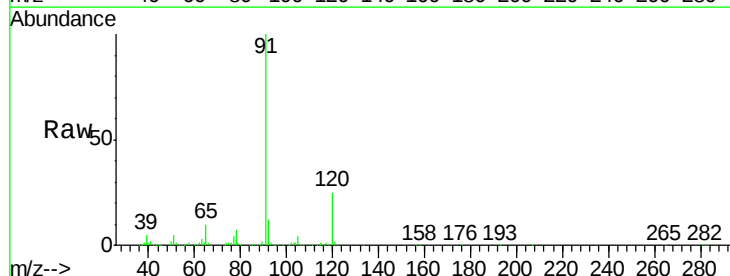
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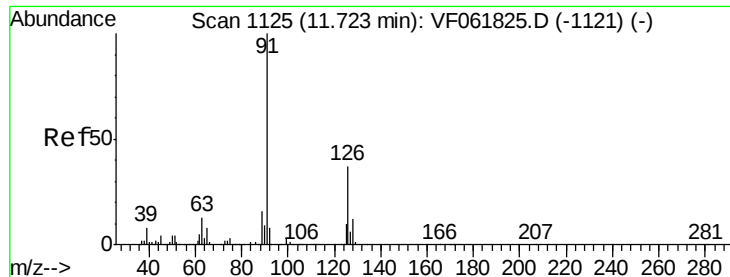
MMDadoda
3/5/2019 10:47:52 AM



#78
n-propylbenzene
Concen: 50.938 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.1	36.3





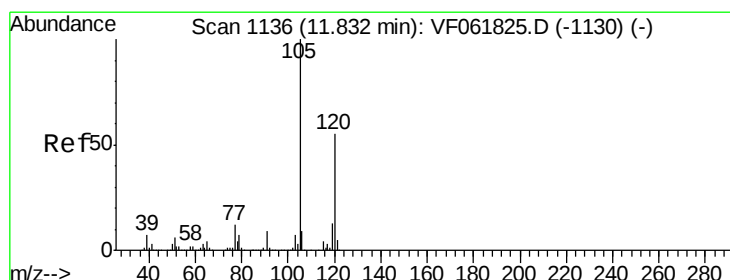
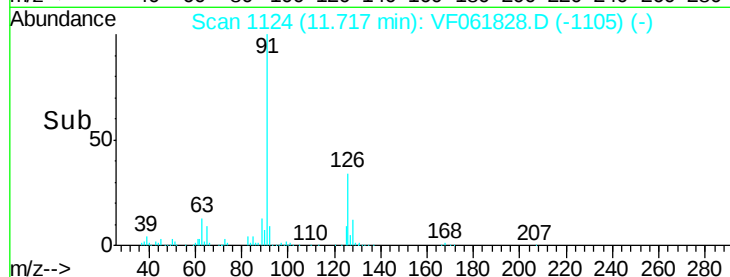
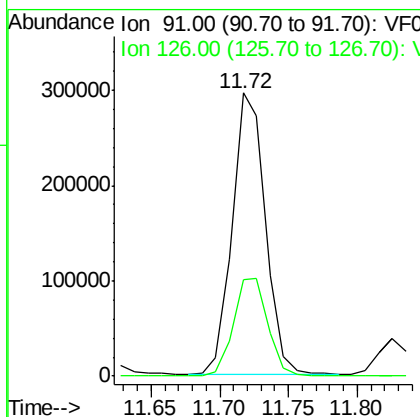
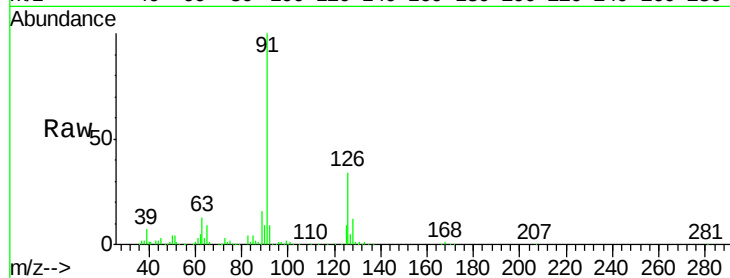
#79
 2-Chlorotoluene
 Concen: 52.948 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion: 91 Resp: 494441
 Ion Ratio Lower Upper
 91 100
 126 33.9 19.8 59.4

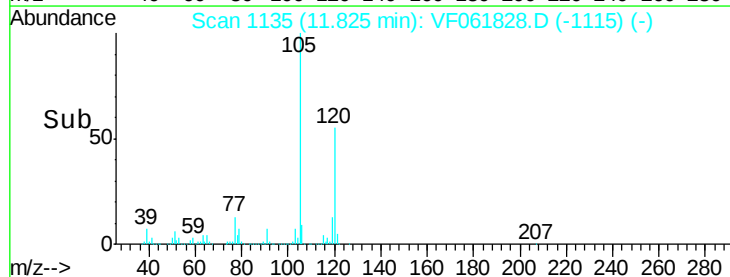
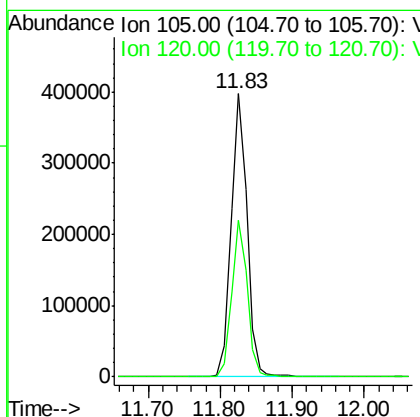
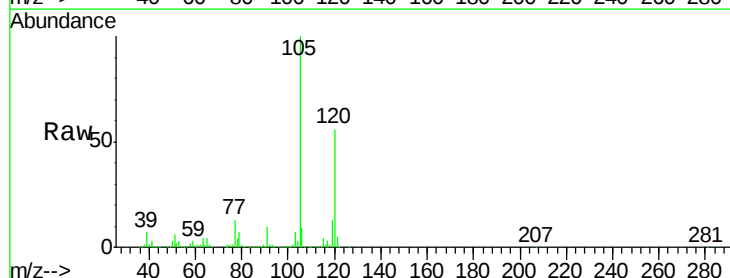
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.782 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion: 105 Resp: 612976
 Ion Ratio Lower Upper
 105 100
 120 55.5 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.829 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Instrument :

MSVOA_F

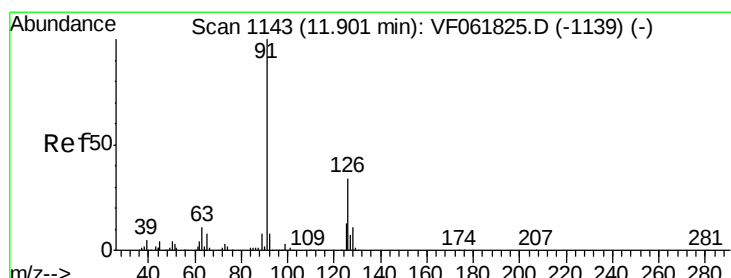
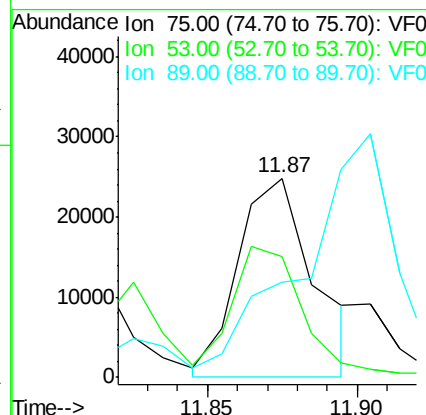
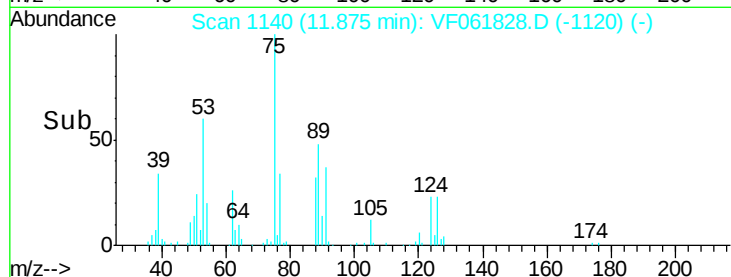
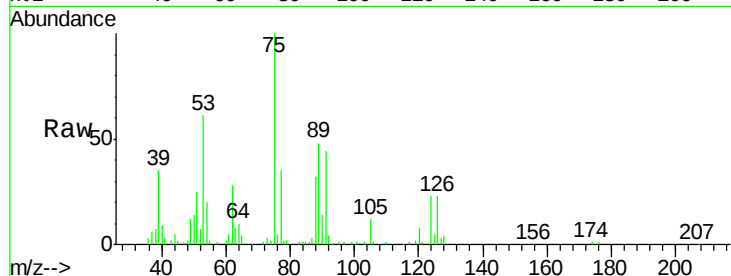
ClientSampleId :

ICVVF030419

Tot Ion:	75	Resp:	43128
Ion	Ratio	Lower	Upper
75	100		
53	60.7	53.7	80.5
89	48.1	41.6	62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.674 ug/l

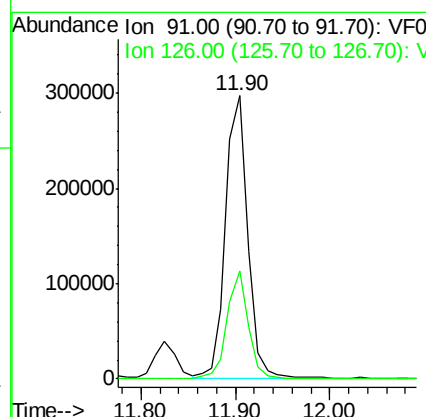
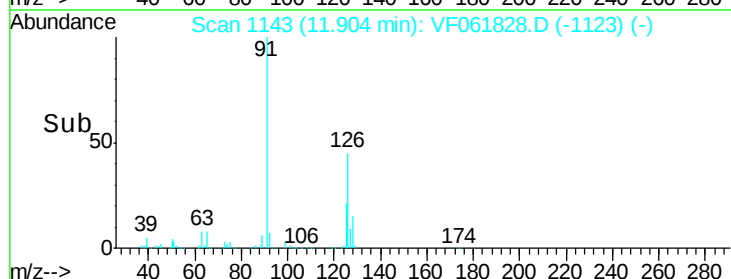
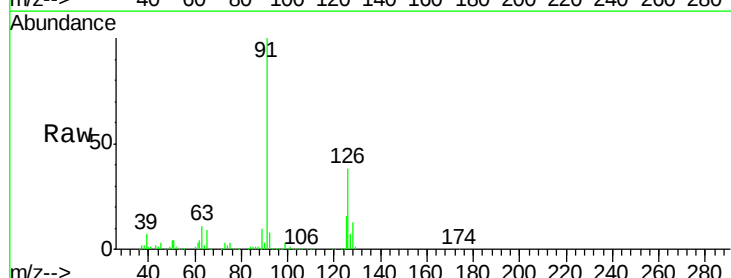
RT: 11.90 min Scan# 1143

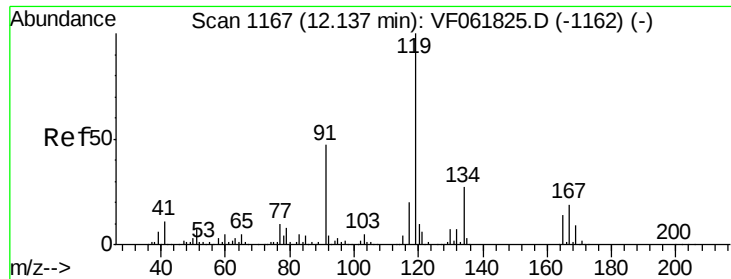
Delta R.T. -0.00 min

Lab File: VF061828.D

Acq: 4 Mar 2019 19:24

Tgt Ion:	91	Resp:	481470
Ion	Ratio	Lower	Upper
91	100		
126	38.3	19.1	57.1





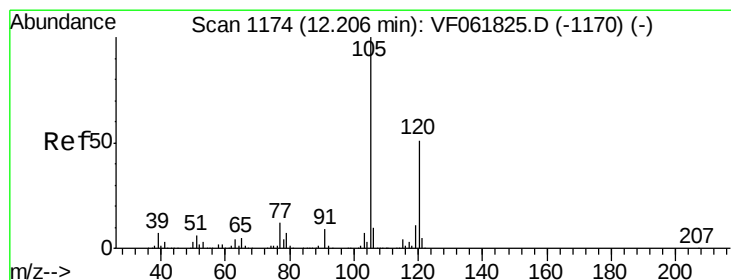
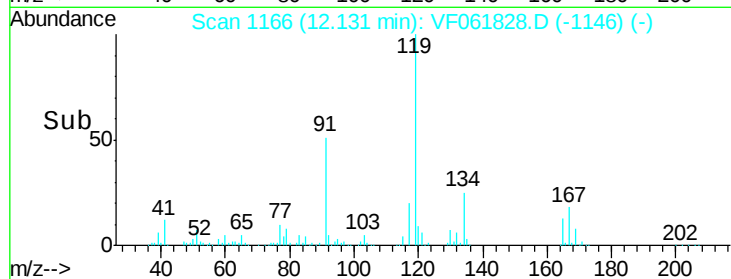
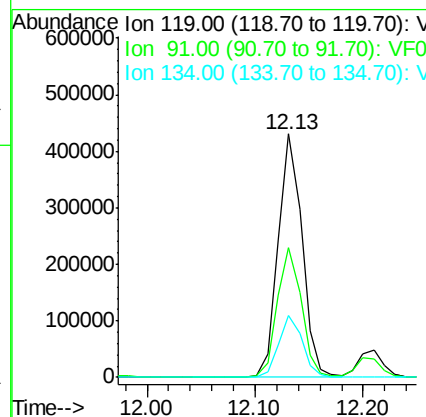
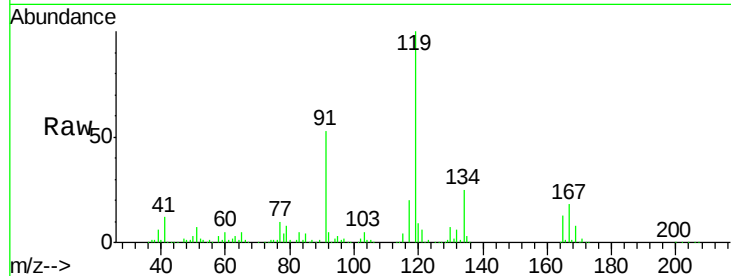
#83
tert-Butylbenzene
Concen: 51.611 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.2	26.3	78.8
134	25.3	12.9	38.7

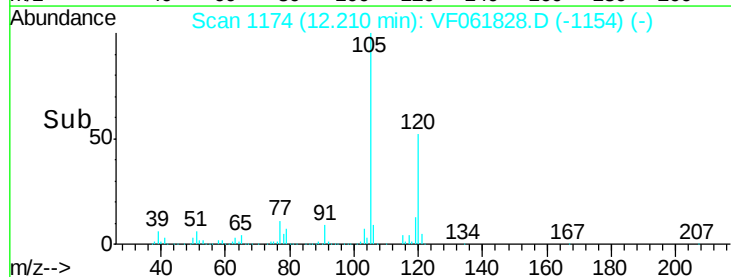
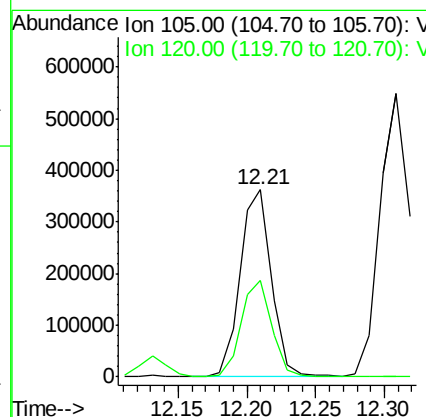
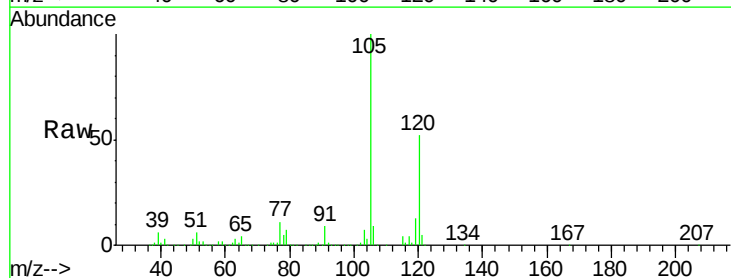
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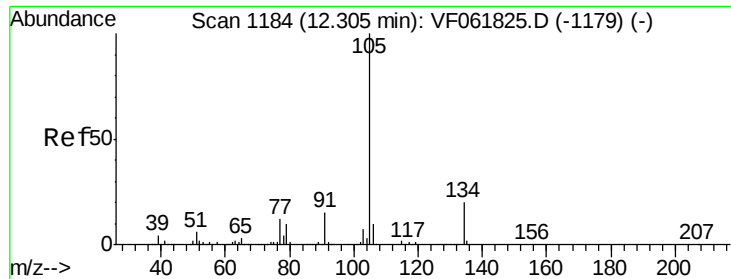
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#84
1,2,4-Trimethylbenzene
Concen: 49.744 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.9	26.1	78.3





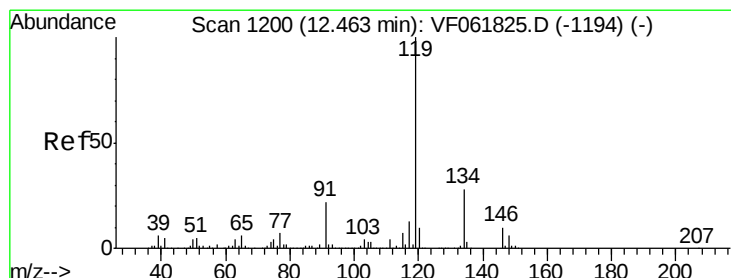
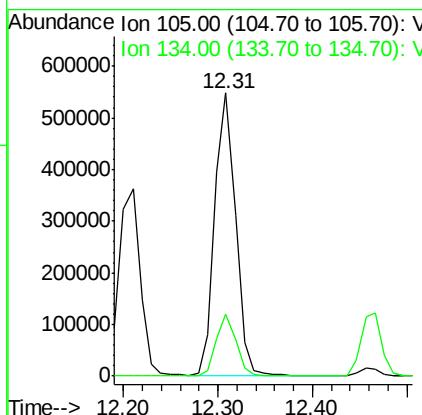
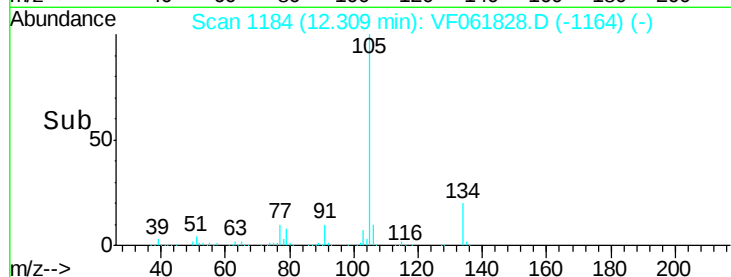
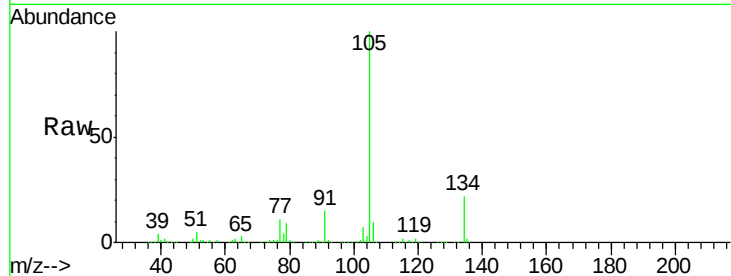
#85
 sec-Butylbenzene
 Concen: 50.583 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.8	32.4

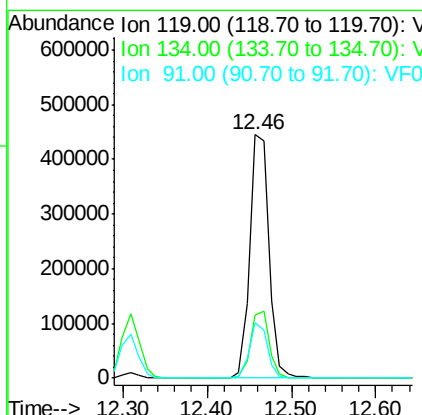
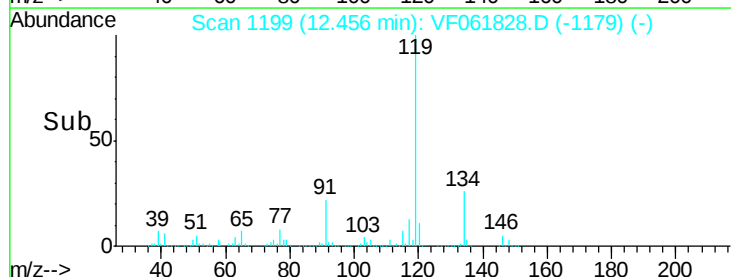
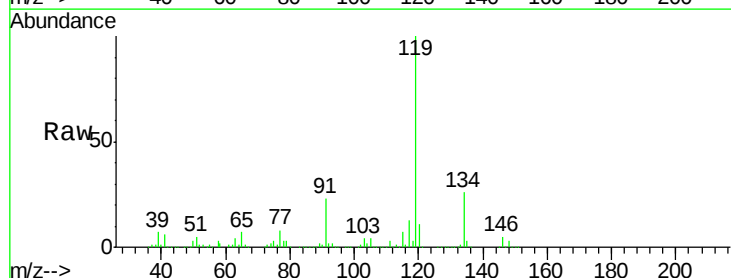
Manual Integrations
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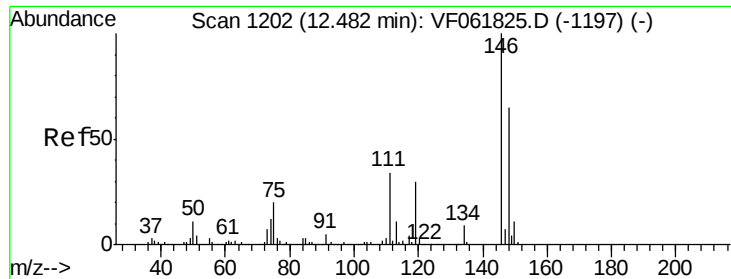
MMDadoda
 3/5/2019 10:47:52 AM



#86
 p-Isopropyltoluene
 Concen: 51.079 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.7	41.1
91	22.5	10.8	32.4





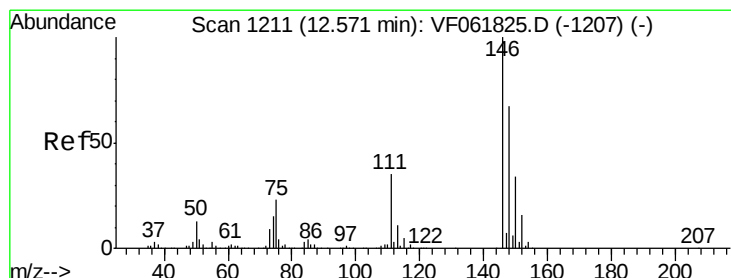
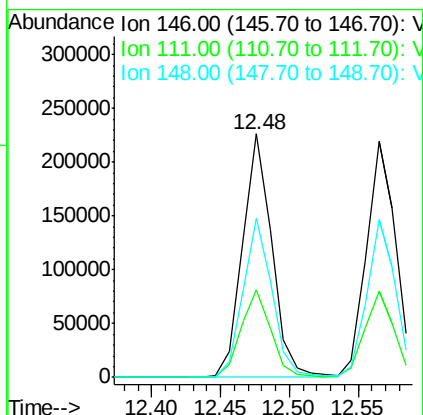
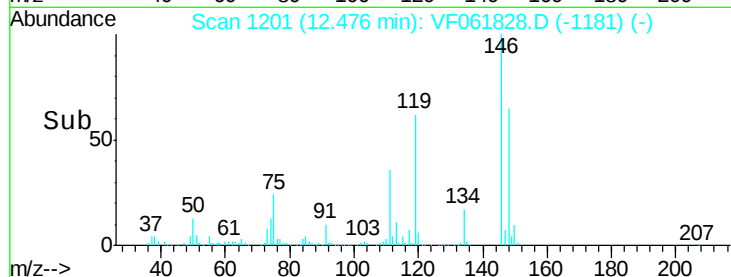
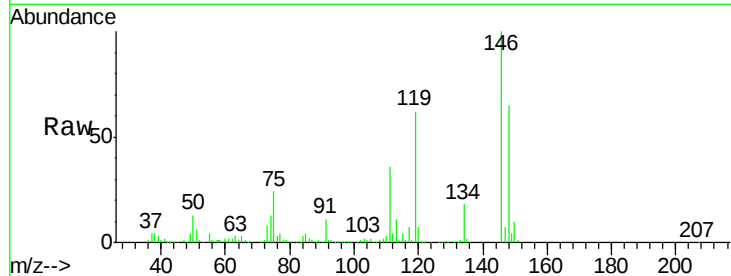
#87
 1,3-Dichlorobenzene
 Concen: 48.347 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.5	52.6
148	65.4	31.4	94.3

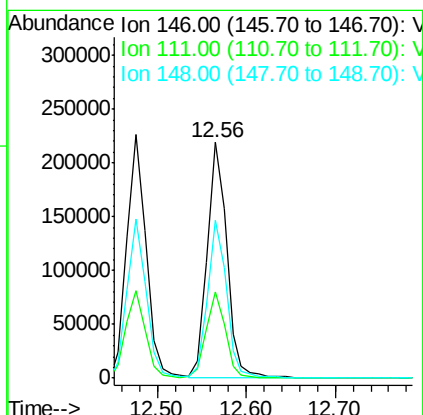
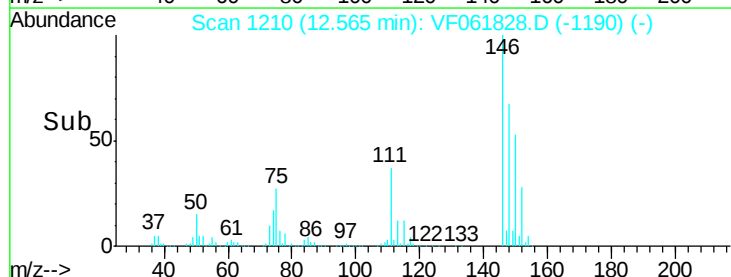
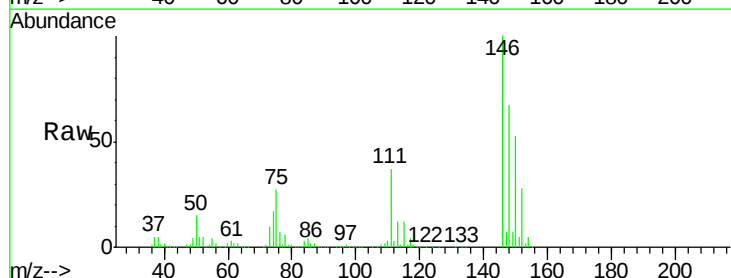
Manual Integrations
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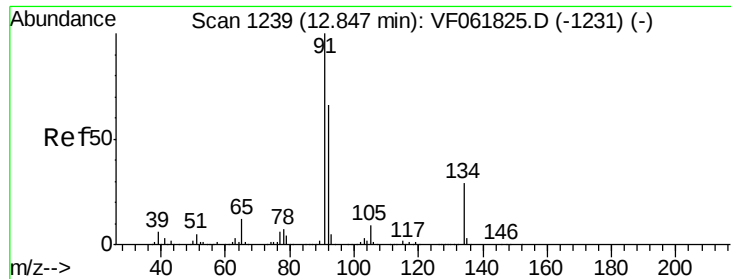
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#88
 1,4-Dichlorobenzene
 Concen: 49.575 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	67.1	32.2	96.6





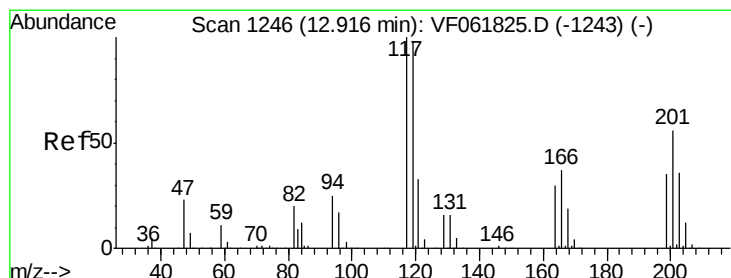
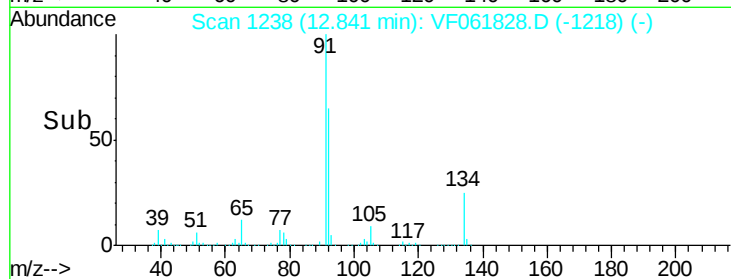
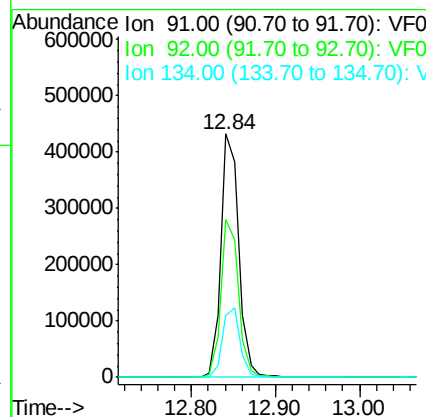
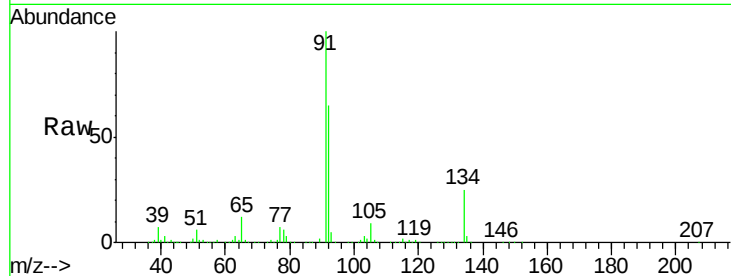
#89
n-Butylbenzene
Concen: 48.242 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.7	31.4	94.3
134	25.2	12.3	36.9

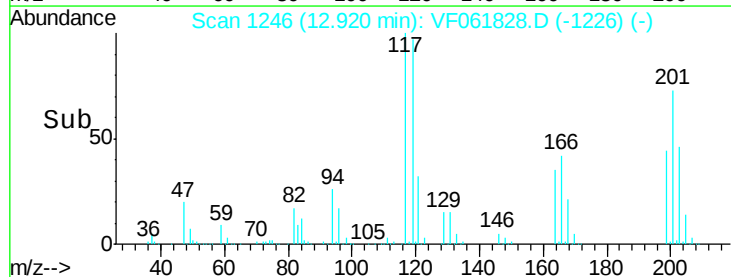
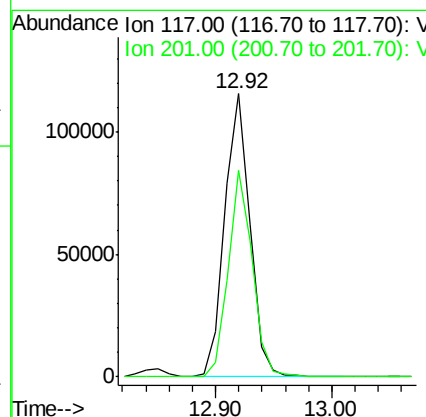
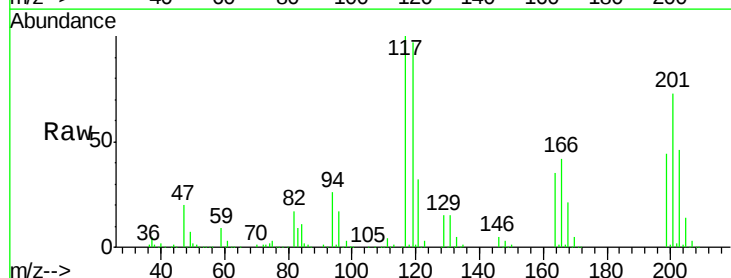
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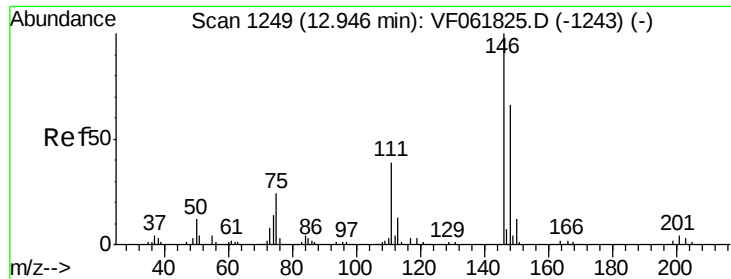
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#90
Hexachloroethane
Concen: 53.582 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	36.2	108.6





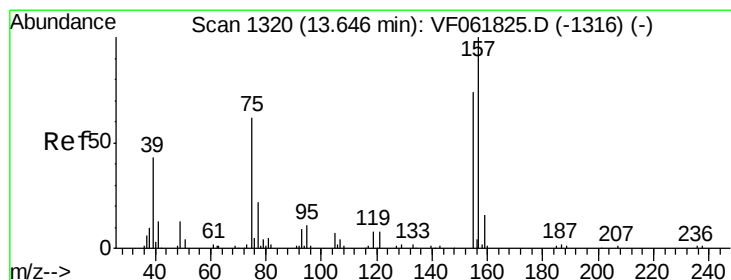
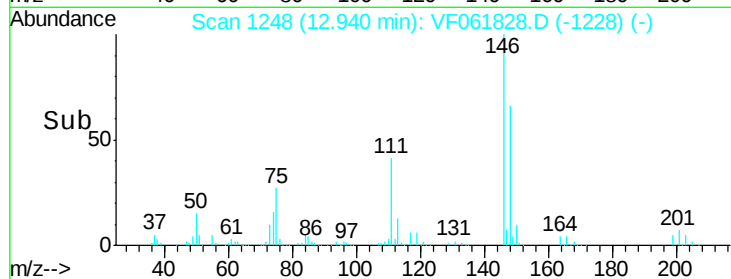
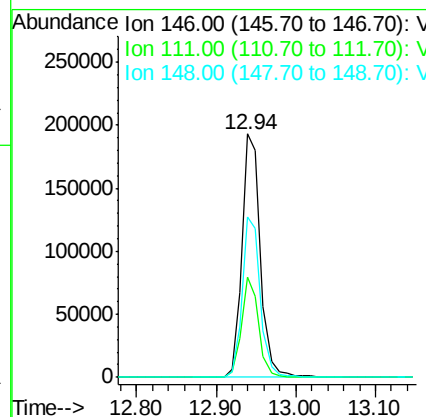
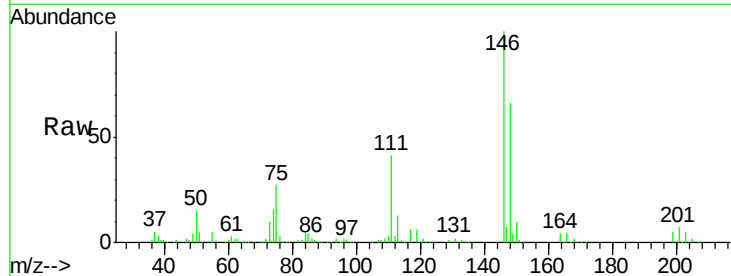
#91
 1,2-Dichlorobenzene
 Concen: 46.971 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
146	100	312651		
111	41.1	20.2	60.5	
148	66.1	32.3	96.9	

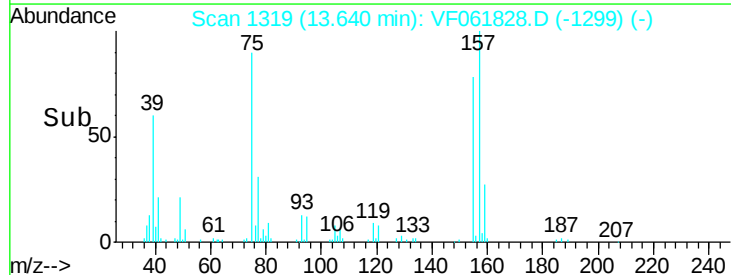
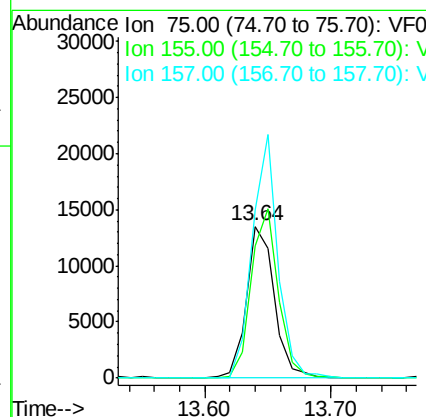
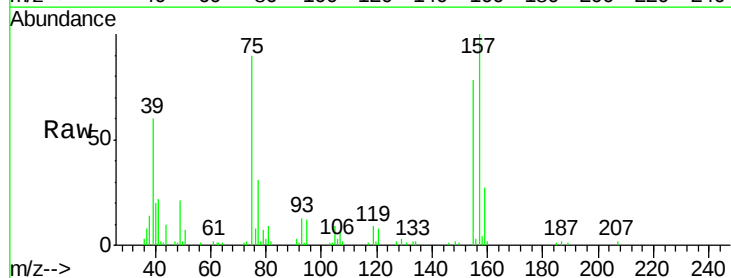
Manual Integrations
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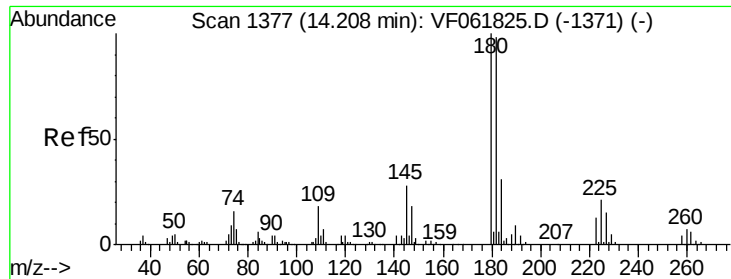
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.178 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20710		
155	87.1	48.9	146.8	
157	111.2	58.3	174.8	





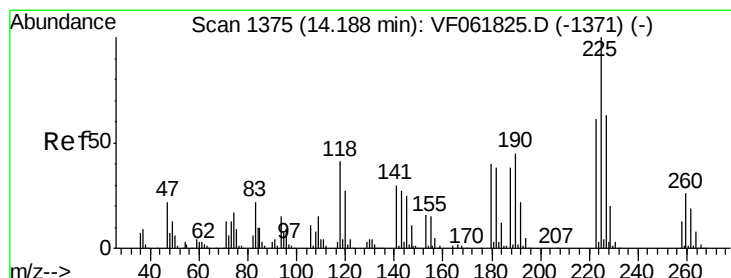
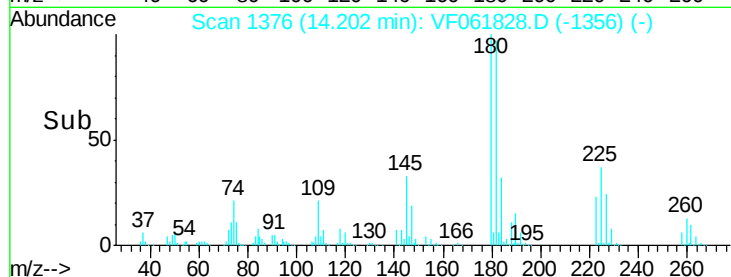
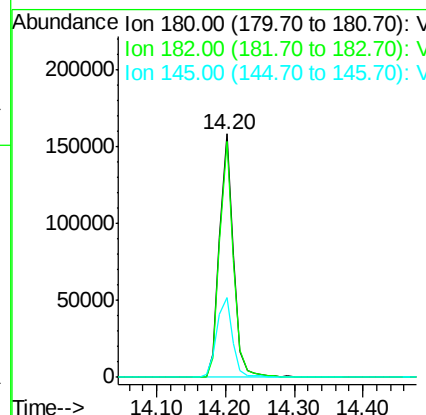
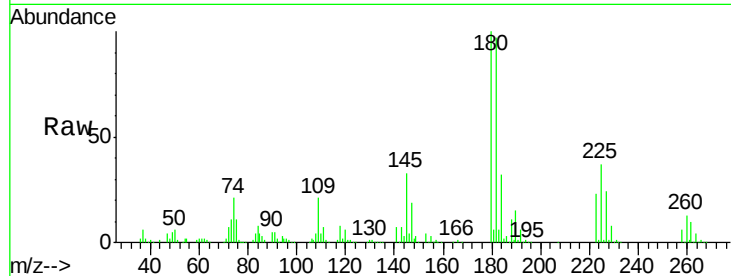
#93
 1,2,4-Trichlorobenzene
 Concen: 46.667 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
180	100	222654		
182	96.9	48.6	145.9	
145	33.0	15.3	45.9	

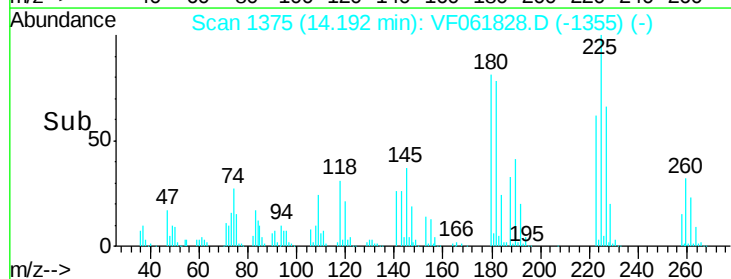
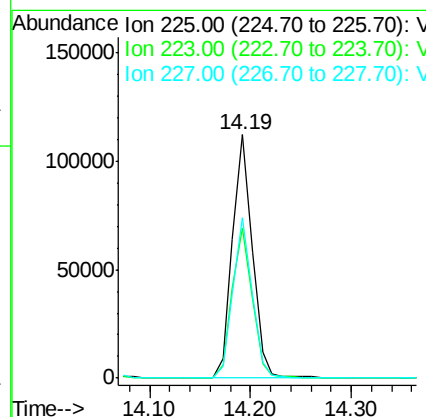
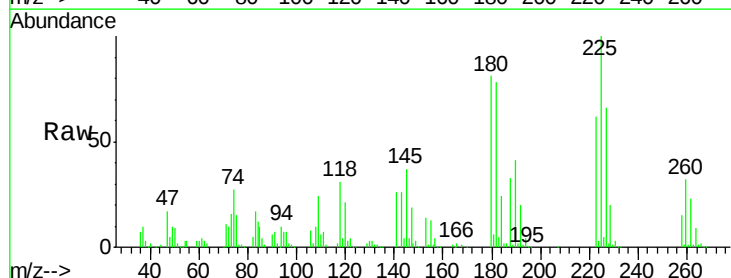
Manual Integrations
 APPROVED

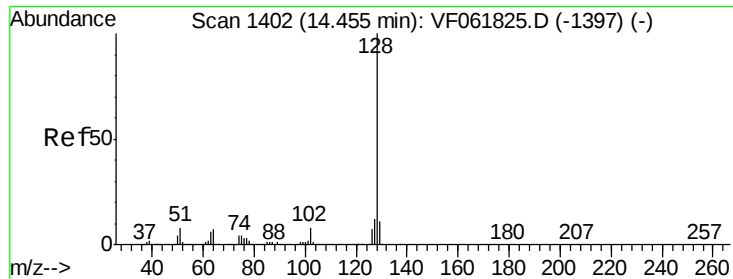
MMDadoda
 3/5/2019 10:47:52 AM



#94
 Hexachlorobutadiene
 Concen: 52.565 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061828.D
 Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154889		
223	61.9	30.9	92.7	
227	65.8	32.1	96.3	





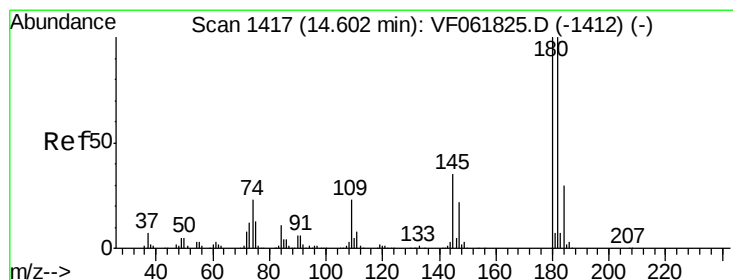
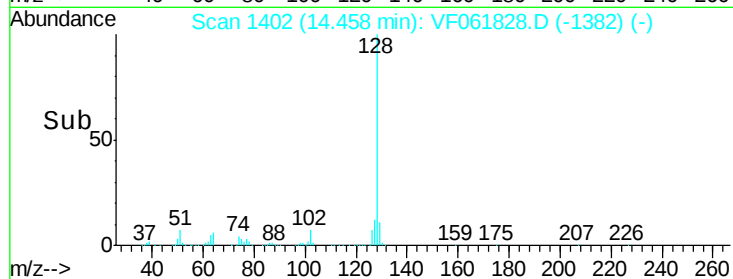
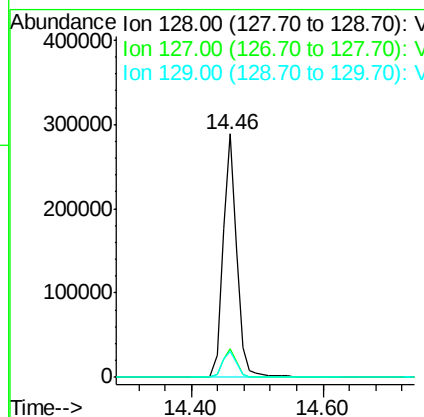
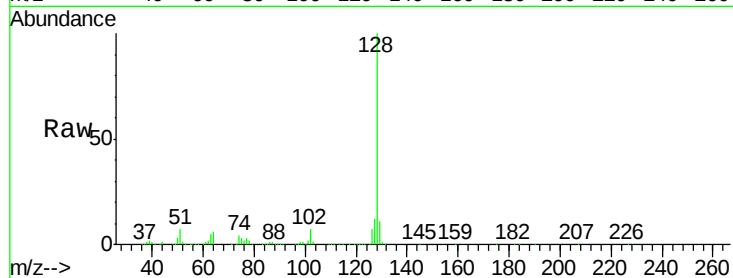
#95
Naphthalene
Concen: 50.467 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
ICVVF030419

Tot Ion	Ratio	Resp	Lower	Upper
128	100	421274		
127	11.8		9.8	14.6
129	10.7		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
3/5/2019 10:47:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.425 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061828.D
Acq: 4 Mar 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	212060		
182	99.2		49.0	147.2
145	32.1		15.4	46.1

