

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061827.D
 Acq On : 4 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:35 AM

Quant Time: Mar 05 04:55:03 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	4.88	168	299194	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	456463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	398386	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	202102	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	230894	105.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	210.48%	
35) Dibromofluoromethane	4.12	113	318397	93.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.86%	
50) Toluene-d8	7.56	98	942216	96.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.38%	
62) 4-Bromofluorobenzene	11.42	95	347348	88.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	347260	101.067	ug/l	98
3) Chloromethane	1.10	50	333208	92.429	ug/l	96
4) Vinyl Chloride	1.14	62	322586	96.256	ug/l	95
5) Bromomethane	1.33	94	212469	92.116	ug/l	98
6) Chloroethane	1.39	64	159136	96.354	ug/l	95
7) Trichlorofluoromethane	1.49	101	408176m	100.980	ug/l	
8) Diethyl Ether	1.63	74	90948	89.282	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	262242	89.931	ug/l #	91
10) Methyl Iodide	1.91	142	519074m	93.187	ug/l	
11) Tert butyl alcohol	2.58	59	70102	552.085	ug/l	95
12) 1,1-Dichloroethene	1.79	96	237092	92.477	ug/l	90
13) Acrolein	2.01	56	89121	558.447	ug/l	94
14) Allyl chloride	2.10	41	282549	89.811	ug/l	98
15) Acrylonitrile	2.94	53	212838	472.563	ug/l	95
16) Acetone	2.24	43	236160	501.677	ug/l	97
17) Carbon Disulfide	1.83	76	756534	93.876	ug/l	96
18) Methyl Acetate	2.35	43	104082	98.147	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	462743	105.610	ug/l	98
20) Methylene Chloride	2.25	84	248194m	87.279	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	256421	92.005	ug/l	98
22) Diisopropyl ether	2.81	45	760133	100.655	ug/l	98
23) Vinyl Acetate	3.19	43	1723346	467.215	ug/l	99
24) 1,1-Dichloroethane	2.88	63	436443	95.499	ug/l	100
25) 2-Butanone	4.35	43	502142	488.348	ug/l	97
26) 2,2-Dichloropropane	3.61	77	188245	97.243	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	341444	93.337	ug/l	98
28) Bromochloromethane	3.72	49	181204	82.636	ug/l	100
29) Tetrahydrofuran	4.08	42	218776	468.124	ug/l	98
30) Chloroform	3.86	83	491549	94.578	ug/l	98
31) Cyclohexane	3.69	56	444139m	89.772	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	316633	93.003	ug/l	97
36) 1,1-Dichloropropene	4.29	75	403974	89.339	ug/l	94
37) Ethyl Acetate	4.12	43	187950	89.488	ug/l	94
38) Carbon Tetrachloride	3.99	117	281132	90.038	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	480539	89.858	ug/l	98
40) Benzene	4.63	78	1057651	89.422	ug/l	99
41) Methacrylonitrile	4.75	41	101579	94.573	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	288093	101.828	ug/l	92
43) Isopropyl Acetate	6.96	43	233915	94.090	ug/l	92
44) Trichloroethene	5.51	130	338133	88.406	ug/l	98
45) 1,2-Dichloropropane	6.24	63	263614	92.207	ug/l	98
46) Dibromomethane	6.09	93	178612	101.469	ug/l	90
47) Bromodichloromethane	6.39	83	369759	95.923	ug/l	100
48) Methyl methacrylate	6.72	41	152226	101.749	ug/l	93
49) 1,4-Dioxane	6.71	88	29764	2116.325	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	768391	432.561	ug/l	98
52) Toluene	7.63	92	639316	89.125	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	313097	97.593	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	418192	97.862	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	197359	93.643	ug/l	97
56) Ethyl methacrylate	8.62	69	227773	97.071	ug/l	96
57) 1,3-Dichloropropane	8.85	76	320910	91.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	188197	464.855	ug/l	99
59) 2-Hexanone	9.49	43	536537	430.887	ug/l	100
60) Dibromochloromethane	8.71	129	292970	99.872	ug/l	100
61) 1,2-Dibromoethane	8.99	107	223314	97.691	ug/l	100
64) Tetrachloroethene	8.15	164	285453	87.660	ug/l	97
65) Chlorobenzene	9.80	112	742202	91.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	293980	92.803	ug/l	97
67) Ethyl Benzene	9.91	91	1173062	87.256	ug/l	96
68) m/p-Xylenes	10.13	106	873490	169.769	ug/l	92
69) o-Xylene	10.72	106	499621	91.003	ug/l	95
70) Styrene	10.79	104	705855	90.881	ug/l	97
71) Bromoform	10.77	173	162441	94.433	ug/l	96
73) Isopropylbenzene	11.13	105	1314443	91.349	ug/l	93
74) N-amyl acetate	11.38	43	335037	97.006	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	249542	96.801	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	167179	95.385	ug/l	95
77) Bromobenzene	11.49	156	337015	94.806	ug/l	90
78) n-propylbenzene	11.59	91	1448351	87.714	ug/l	100
79) 2-Chlorotoluene	11.72	91	849676	91.881	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	1033598	89.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	81344m	96.809	ug/l	
82) 4-Chlorotoluene	11.90	91	863107	89.921	ug/l	98
83) tert-Butylbenzene	12.14	119	1108551	87.027	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	1001377	87.644	ug/l	98
85) sec-Butylbenzene	12.31	105	1455729	88.375	ug/l	95
86) p-Isopropyltoluene	12.46	119	1222432	88.427	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	594678	85.811	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	598369	89.780	ug/l	97
89) n-Butylbenzene	12.85	91	1130354	86.591	ug/l	91
90) Hexachloroethane	12.92	117	317507	98.753	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	576848	87.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	43652	106.802	ug/l	75

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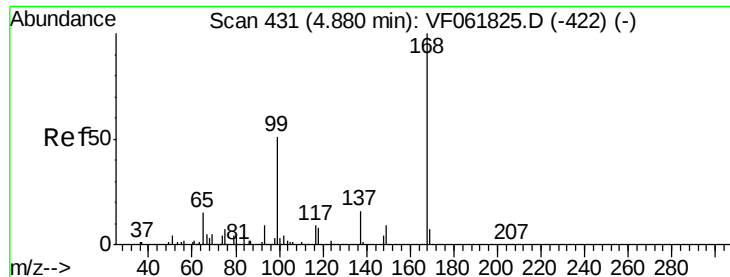
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	406218	85.977	ug/l	100
94) Hexachlorobutadiene	14.20	225	268945	92.168	ug/l	97
95) Naphthalene	14.45	128	834389	100.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	406514	93.741	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 299194

Ion Ratio Lower Upper

168 100

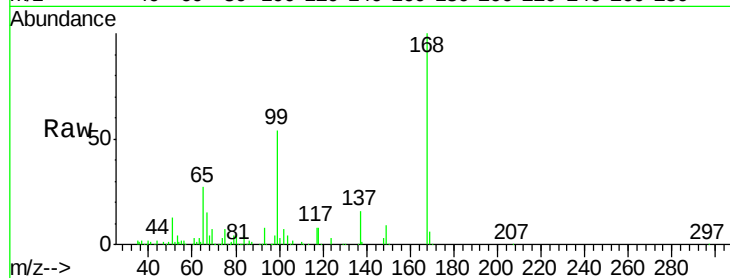
99 53.6 34.9 52.3#

Manual Integrations

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3/5/2019 10:47:35 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

60000

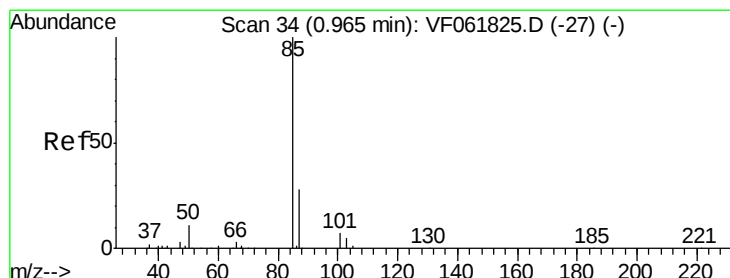
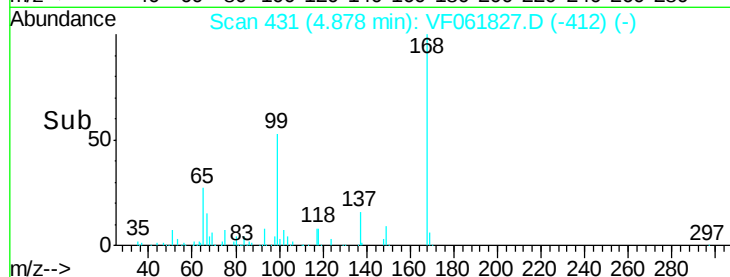
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 101.067 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061827.D

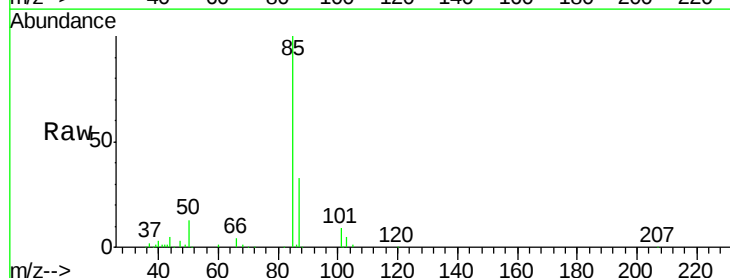
Acq: 4 Mar 2019 18:27

Tgt Ion: 85 Resp: 347260

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

100000

80000

60000

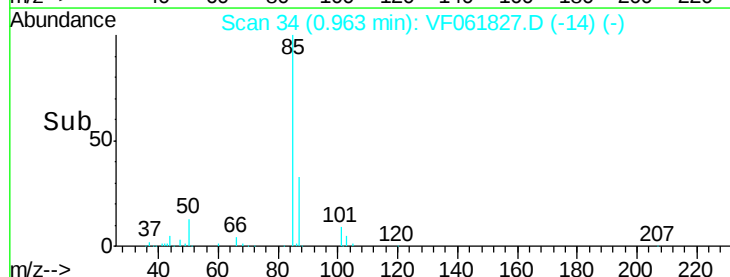
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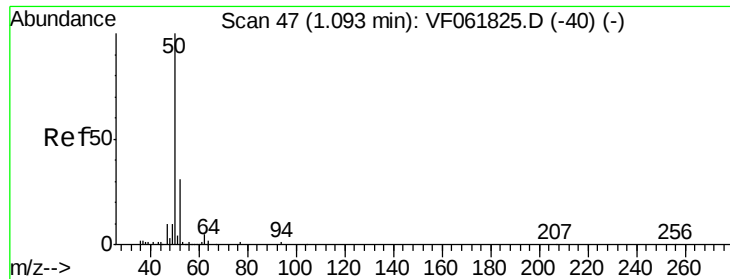
20000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 92.429 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 333208

Ion Ratio Lower Upper

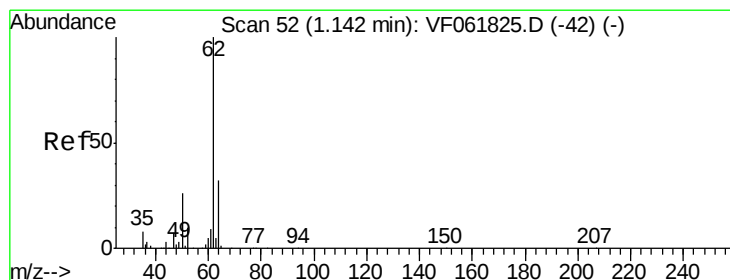
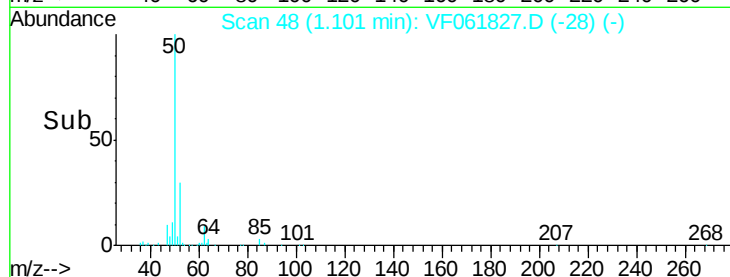
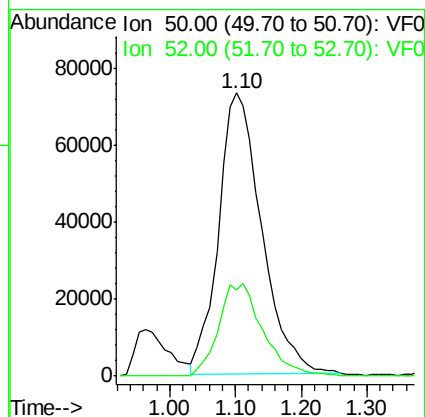
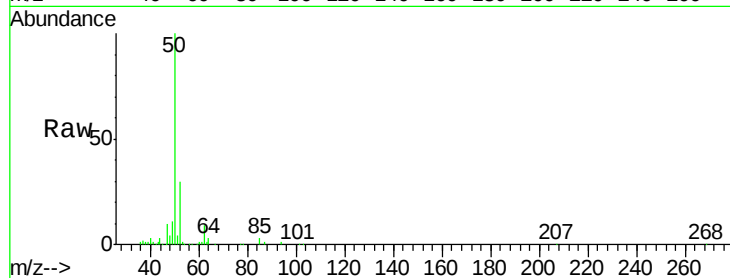
50 100

52 30.3 26.2 39.4

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3/5/2019 10:47:35 AM



#4

Vinyl Chloride

Concen: 96.256 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061827.D

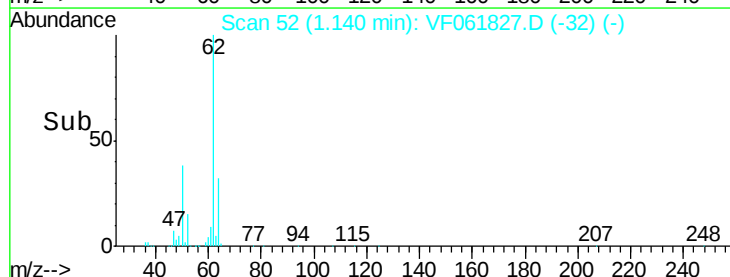
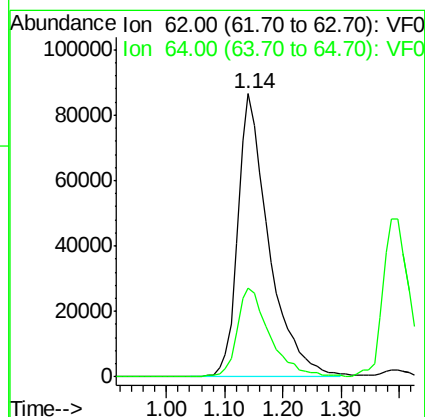
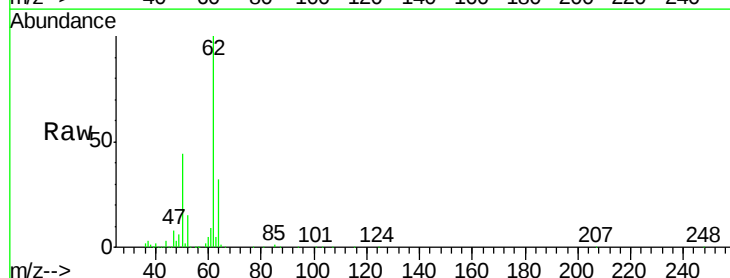
Acq: 4 Mar 2019 18:27

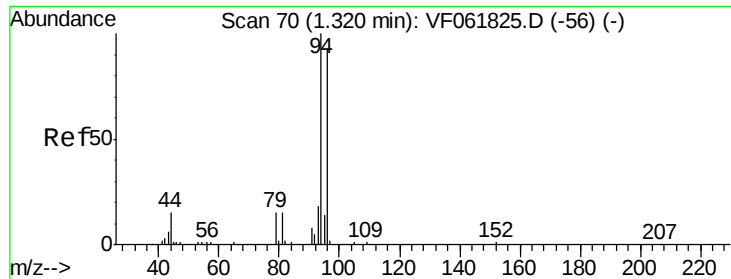
Tgt Ion: 62 Resp: 322586

Ion Ratio Lower Upper

62 100

64 31.5 27.5 41.3





#5

Bromomethane

Concen: 92.116 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 212469

Ion Ratio Lower Upper

94 100

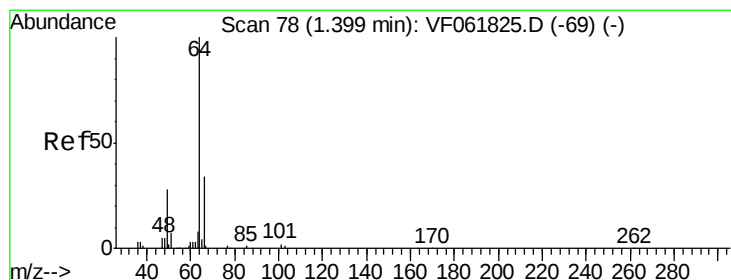
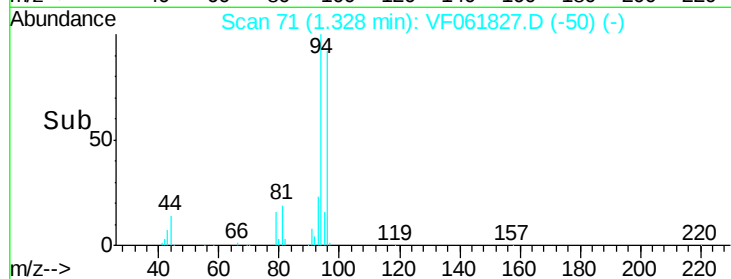
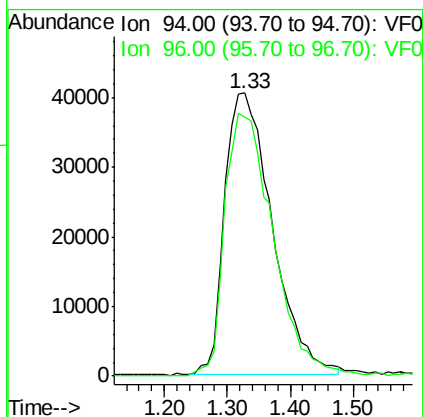
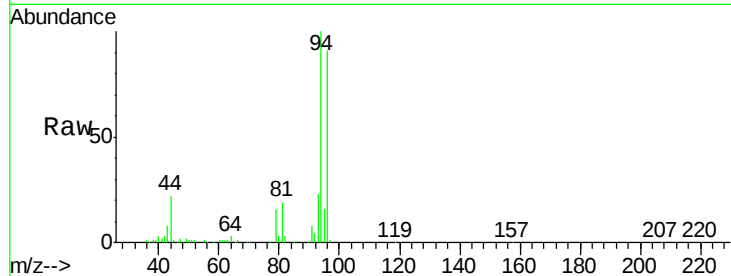
96 91.4 74.6 112.0

Manual Integrations

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3/5/2019 10:47:35 AM



#6

Chloroethane

Concen: 96.354 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061827.D

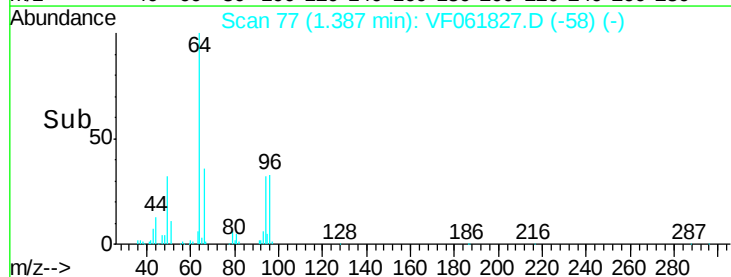
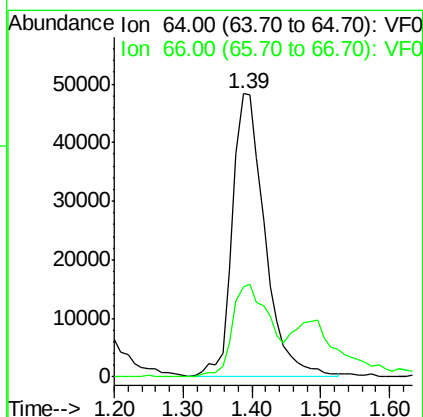
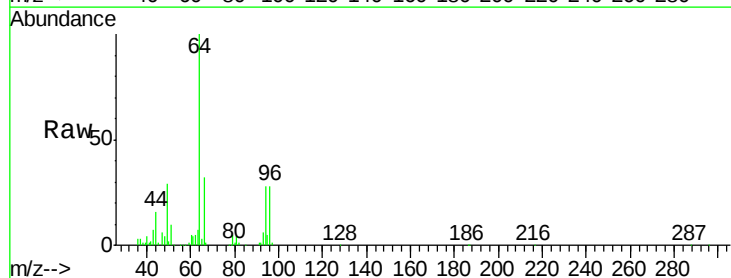
Acq: 4 Mar 2019 18:27

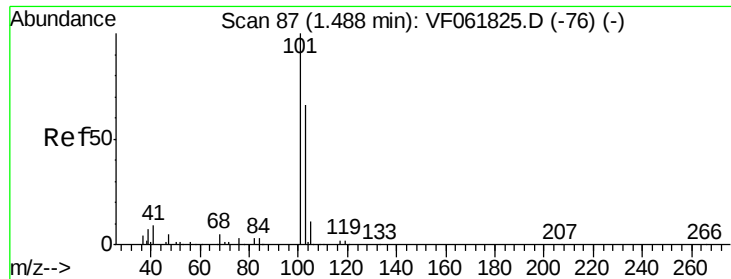
Tgt Ion: 64 Resp: 159136

Ion Ratio Lower Upper

64 100

66 32.0 27.9 41.9





#7

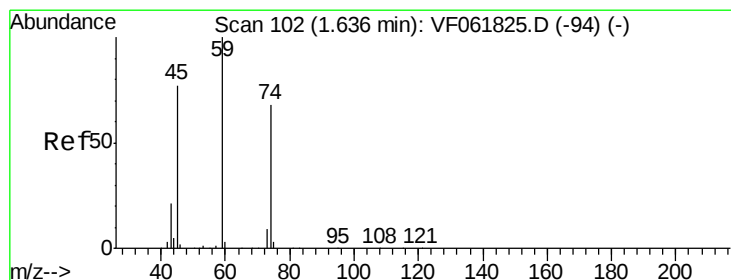
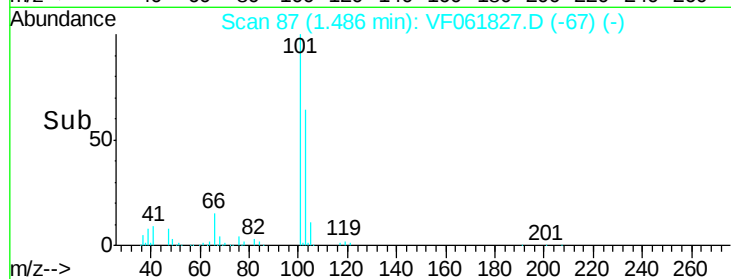
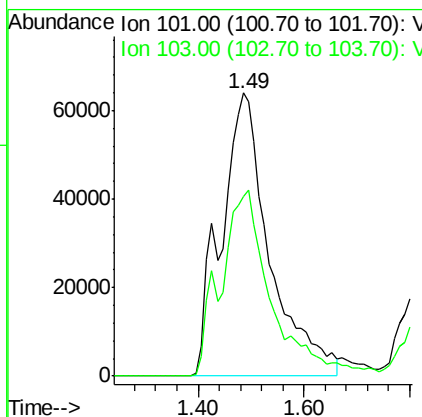
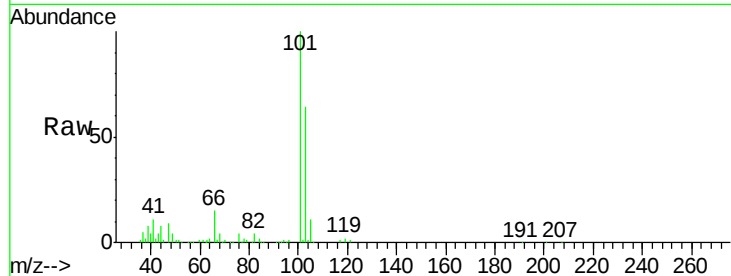
Trichlorofluoromethane
Concen: 100.980 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.3	73.9

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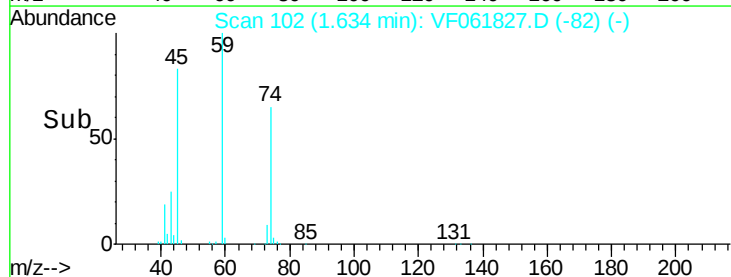
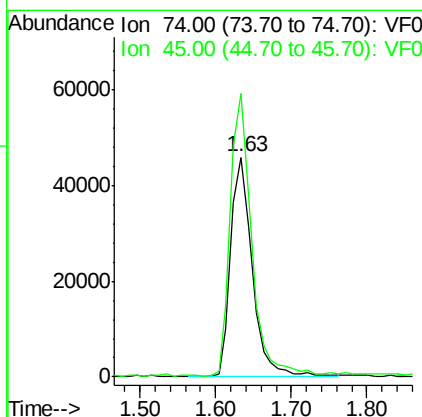
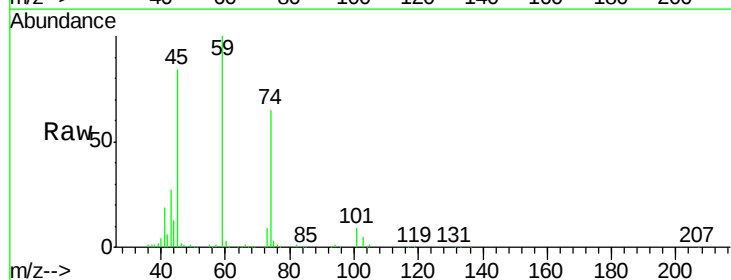
MMDadoda
3/5/2019 10:47:35 AM

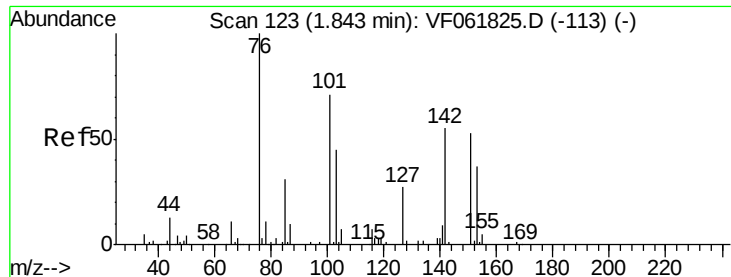


#8

Diethyl Ether
Concen: 89.282 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.7	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.931 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061827.D

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Instrument :

MSVOA_F

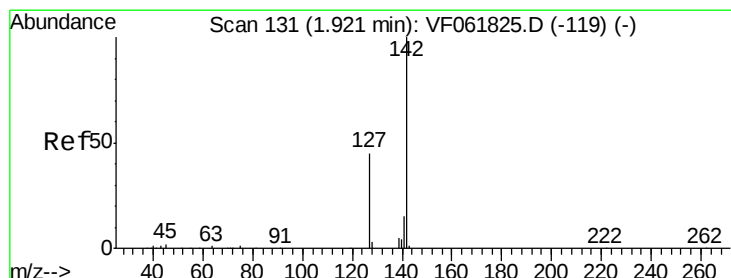
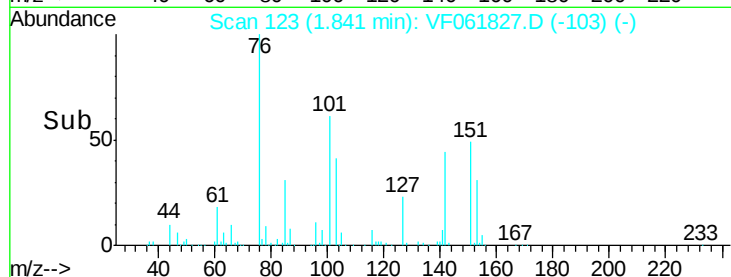
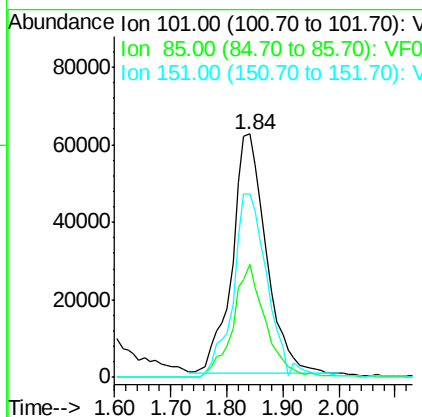
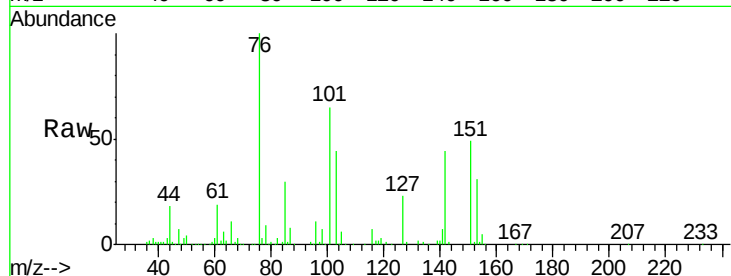
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	262242
Ion Ratio	Lower	Upper	
101	100		
85	46.7	29.8	44.6#
151	75.4	56.3	84.5

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#10

Methyl Iodide

Concen: 93.187 ug/l m

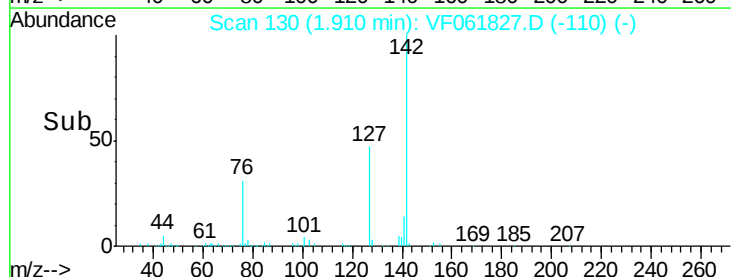
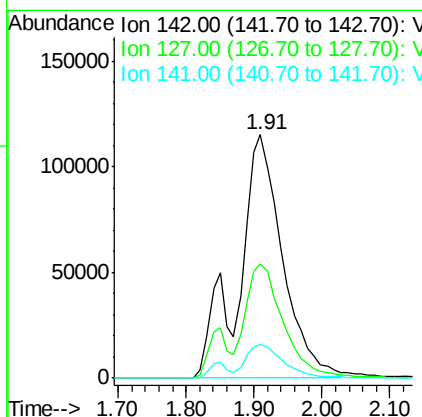
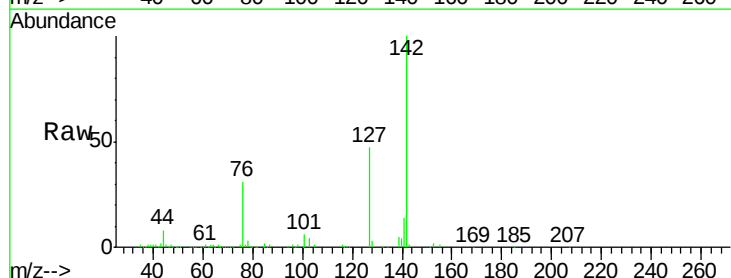
RT: 1.91 min Scan# 130

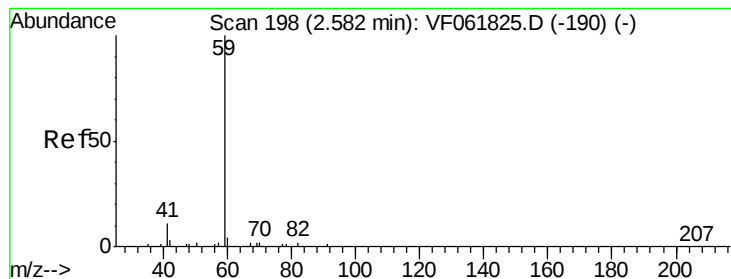
Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion:	142	Resp:	519074
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.6	55.0
141	14.0	11.0	16.6





#11

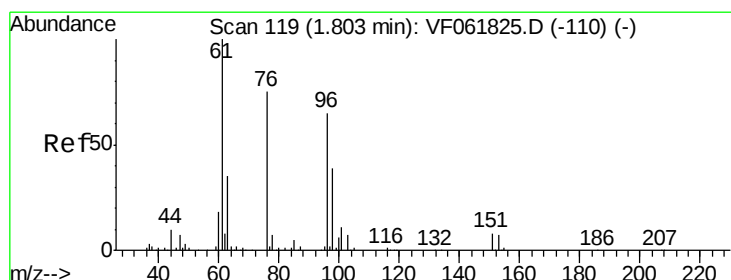
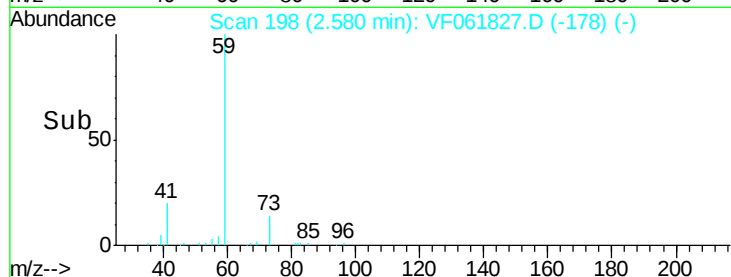
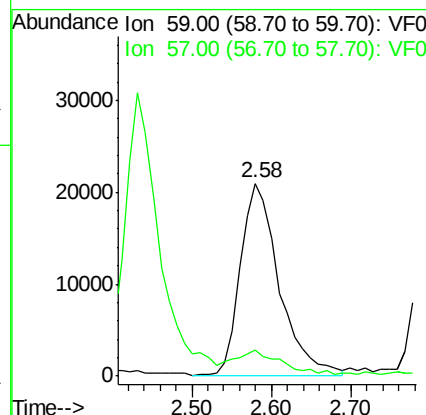
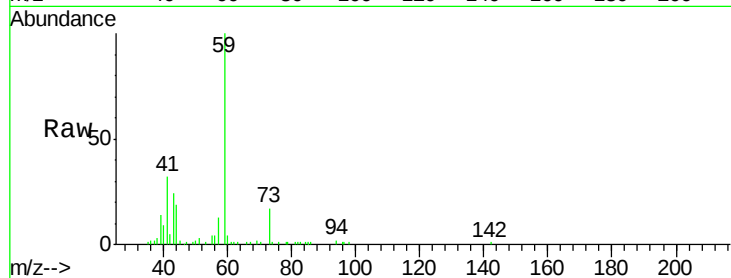
Tert butyl alcohol
Concen: 552.085 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	70102
Ion Ratio	100	Lower	Upper
57	13.3	12.5	18.7

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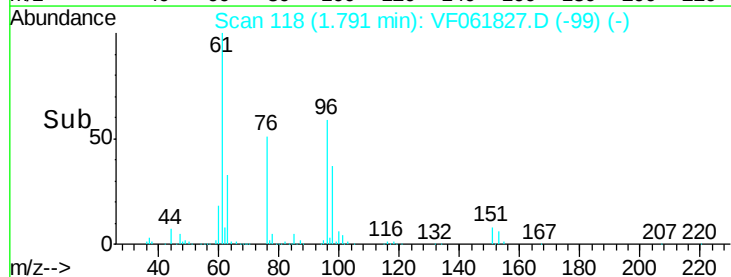
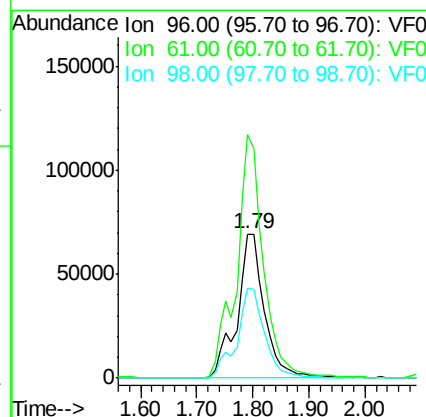
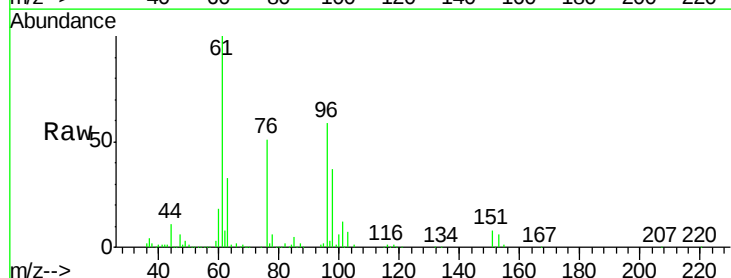
MMDadoda
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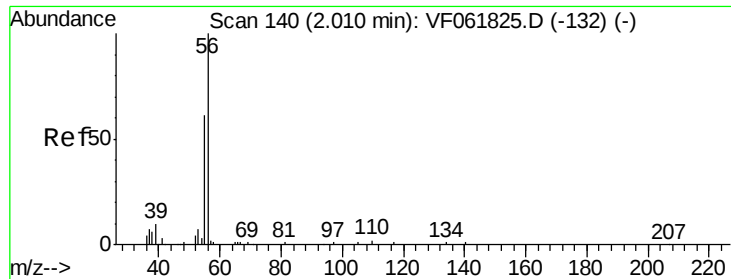


#12

1,1-Dichloroethene
Concen: 92.477 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	96	Resp	237092
Ion Ratio	100	Lower	Upper
61	168.9	122.6	184.0
98	62.6	47.2	70.8





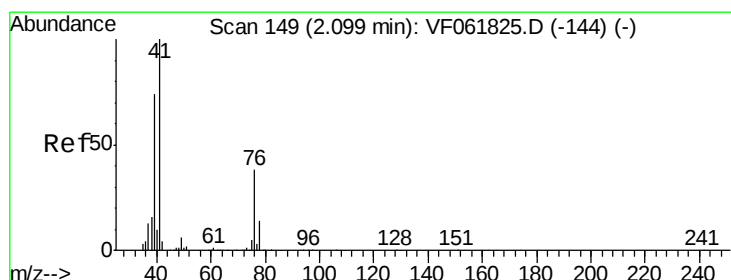
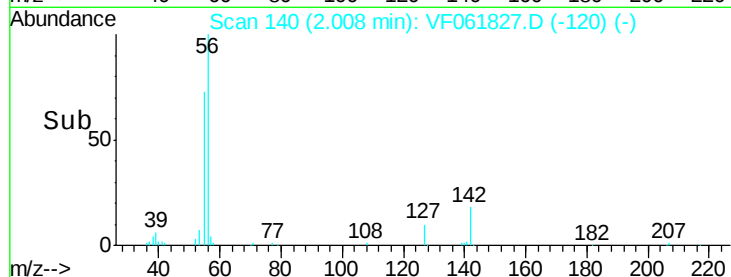
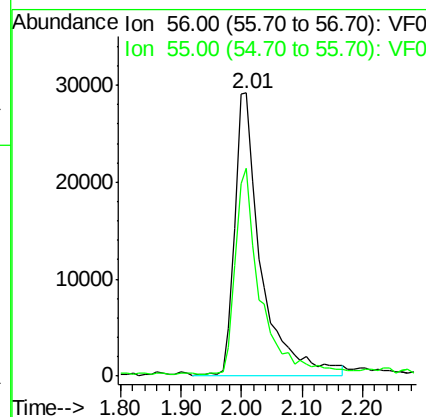
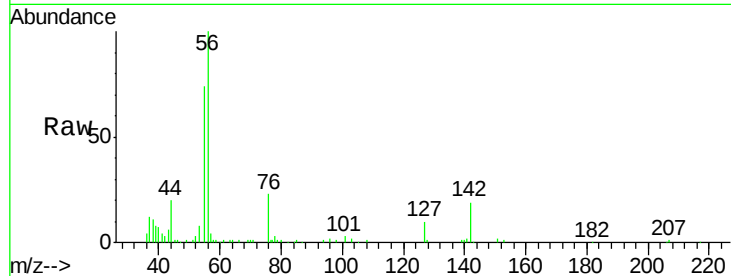
#13
Acrolein
Concen: 558.447 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	89121
Ion Ratio	100	Lower	Upper
55	73.7	55.0	82.6

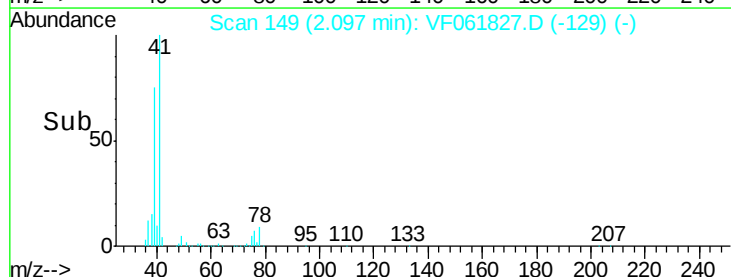
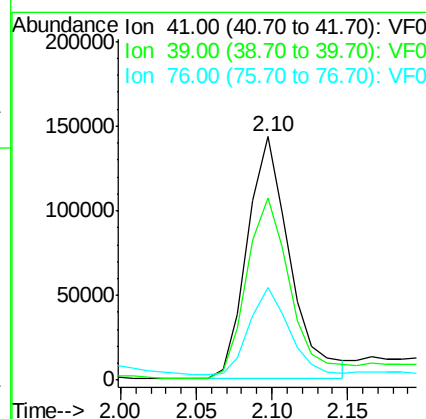
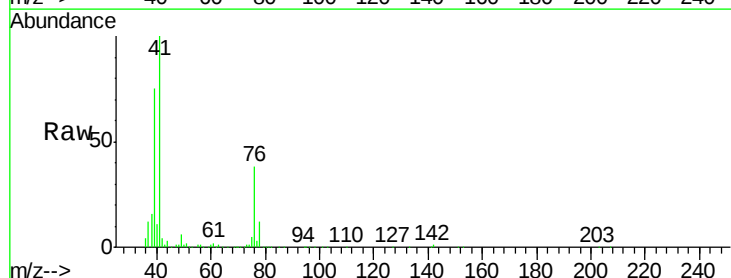
Manual Integrations
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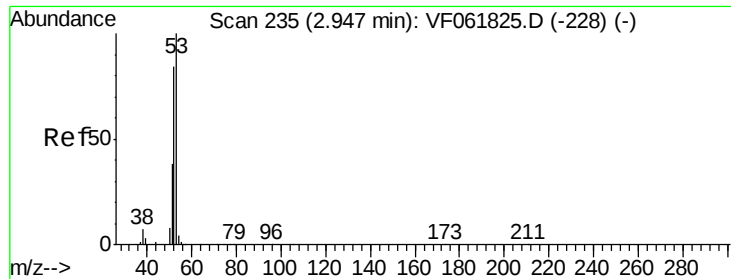
MMDadoda
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#14
Allyl chloride
Concen: 89.811 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	41	Resp	282549
Ion Ratio	100	Lower	Upper
39	74.9	61.6	92.4
76	37.8	30.3	45.5





#15

Acrylonitrile

Concen: 472.563 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

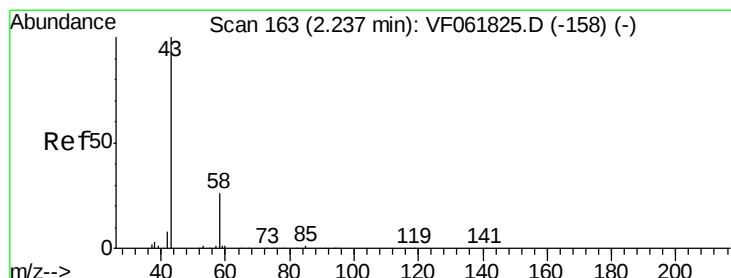
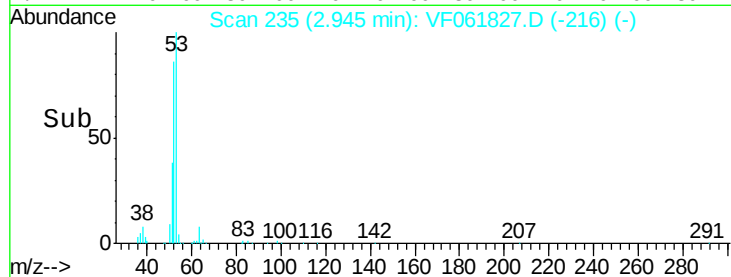
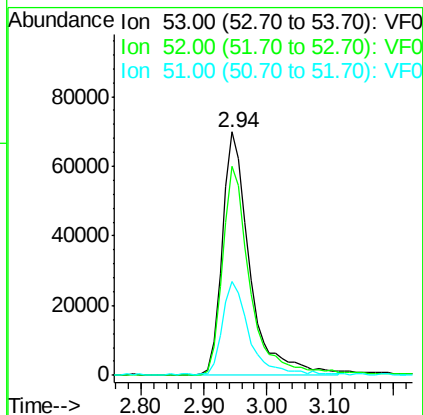
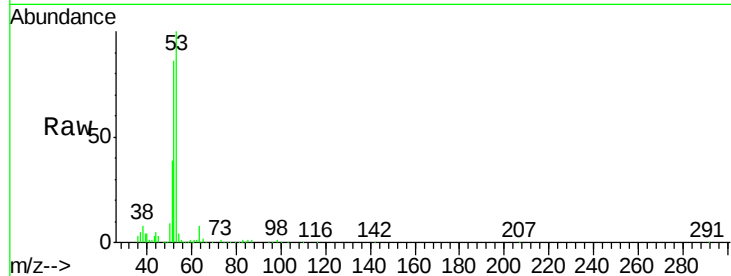
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	212838
Ion	Ratio	Lower	Upper
53	100		
52	85.9	64.6	97.0
51	38.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 501.677 ug/l

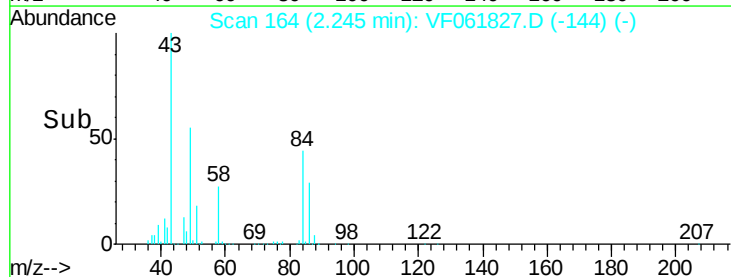
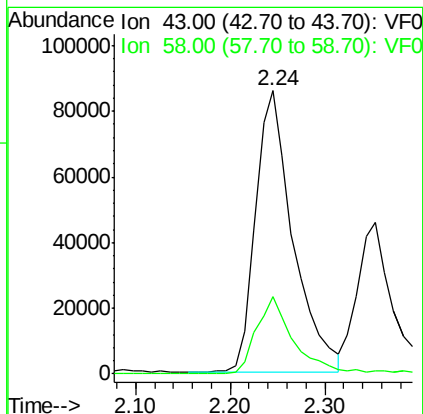
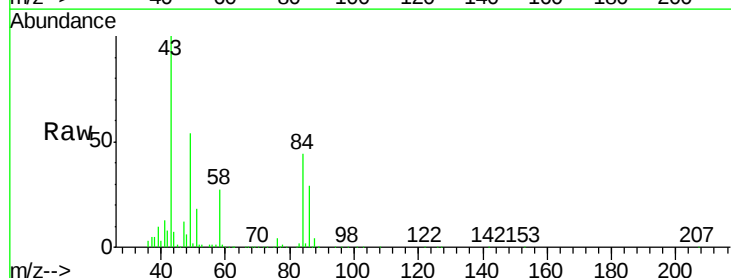
RT: 2.24 min Scan# 164

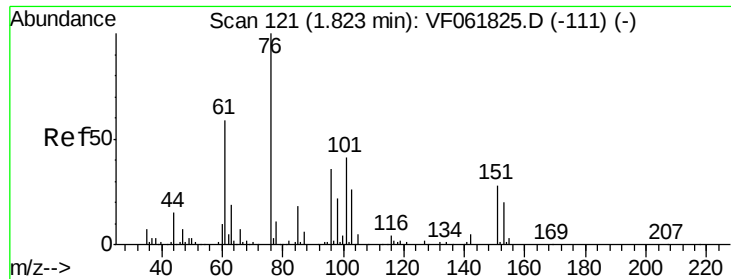
Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion:	43	Resp:	236160
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.9	34.3





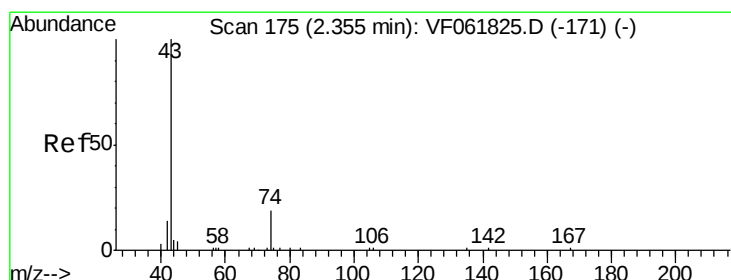
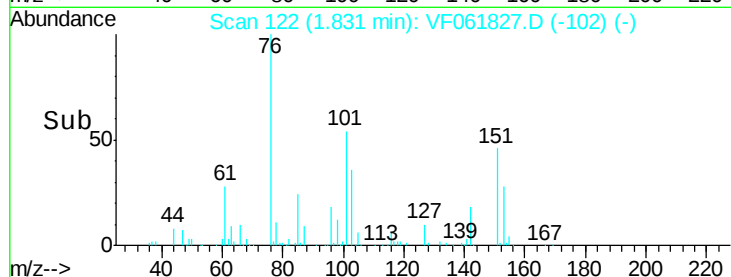
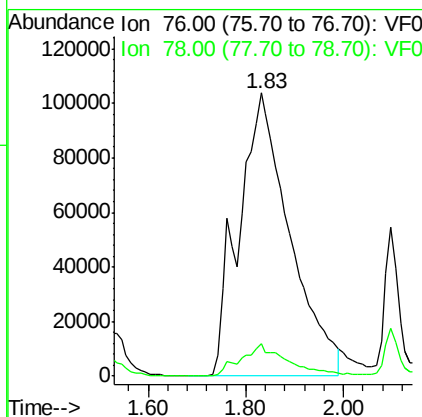
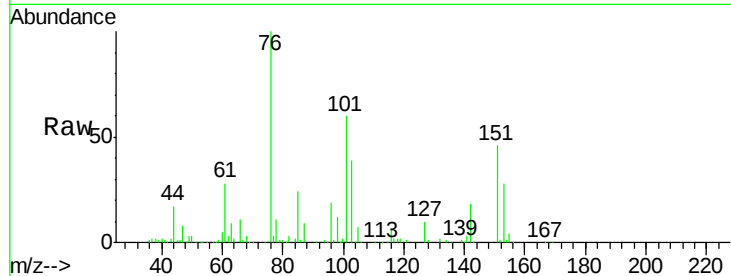
#17
Carbon Disulfide
Concen: 93.876 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 756534
Ion Ratio Lower Upper
76 100
78 11.4 7.9 11.9

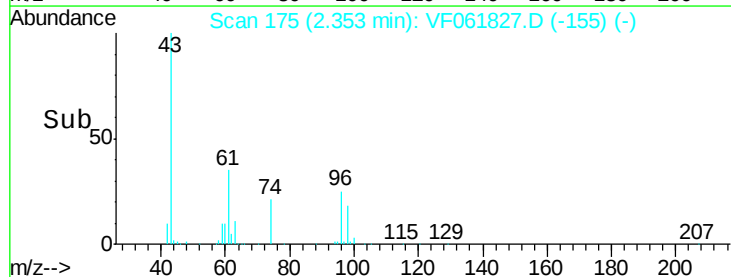
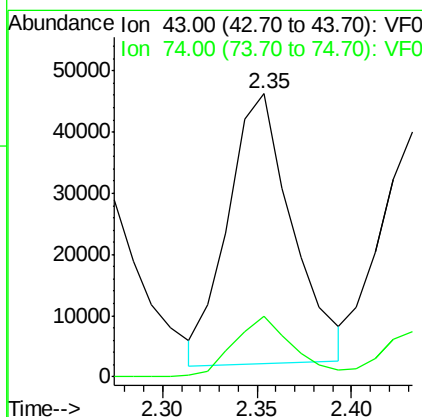
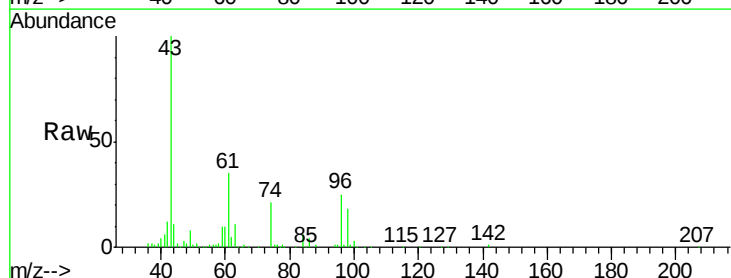
Manual Integrations
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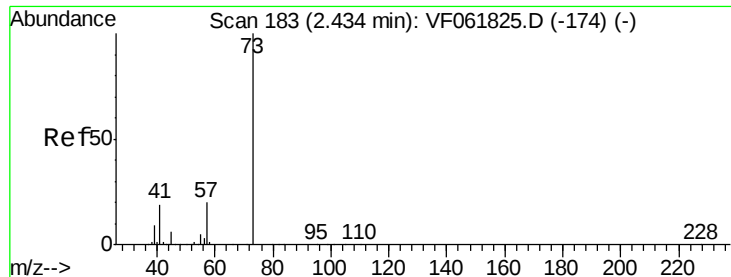
MMDadoda
3/5/2019 10:47:35 AM



#18
Methyl Acetate
Concen: 98.147 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 43 Resp: 104082
Ion Ratio Lower Upper
43 100
74 21.3 14.6 21.8





#19

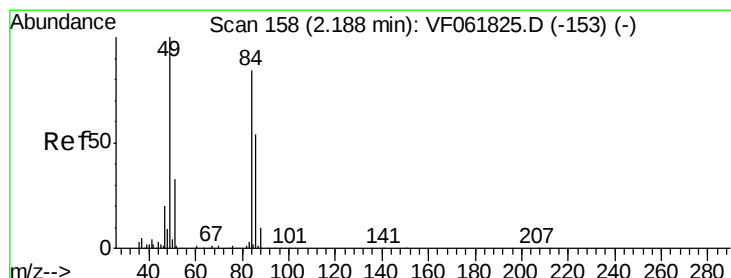
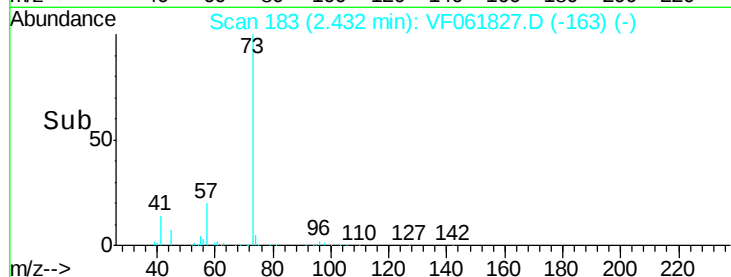
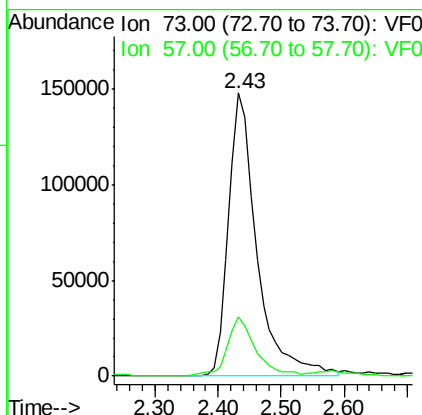
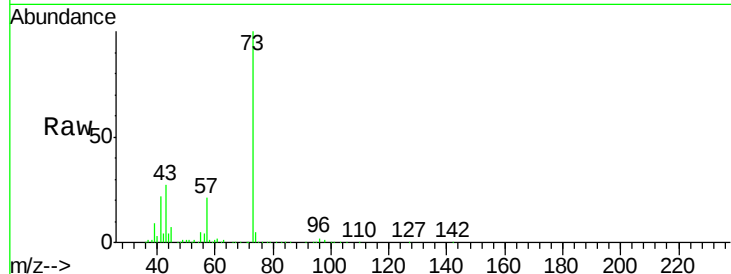
Methyl tert-butyl Ether
 Concen: 105.610 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	15.8	23.8

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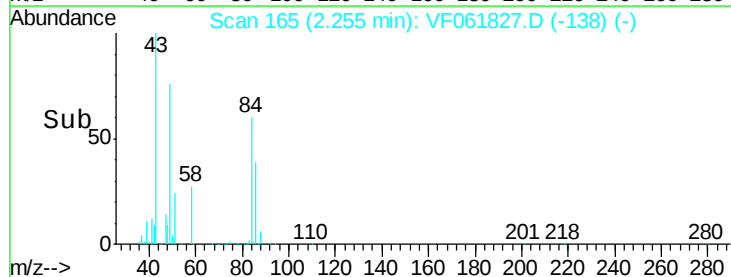
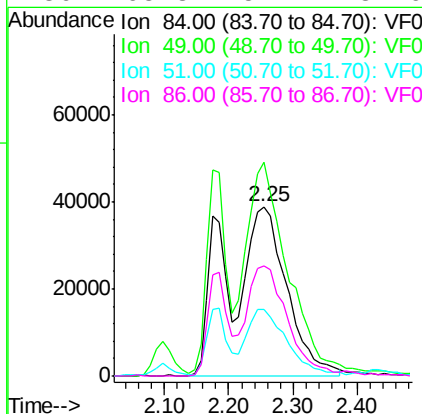
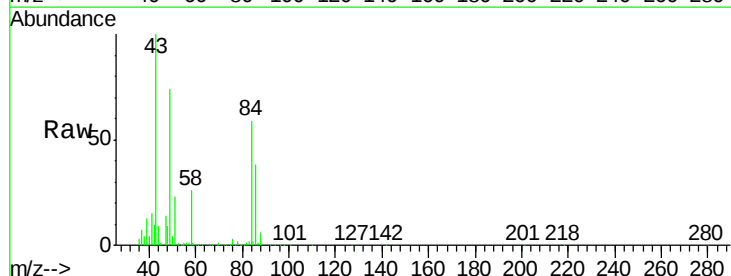
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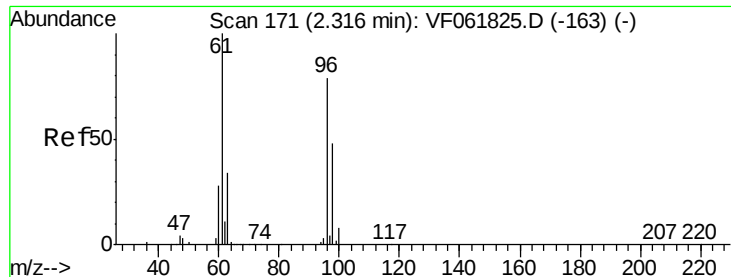


#20

Methylene Chloride
 Concen: 87.279 ug/l m
 RT: 2.25 min Scan# 165
 Delta R.T. 0.07 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.8	152.8
51	39.4	31.1	46.7
86	65.3	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 92.005 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 256421

Ion Ratio Lower Upper

96 100

61 132.4 108.2 162.4

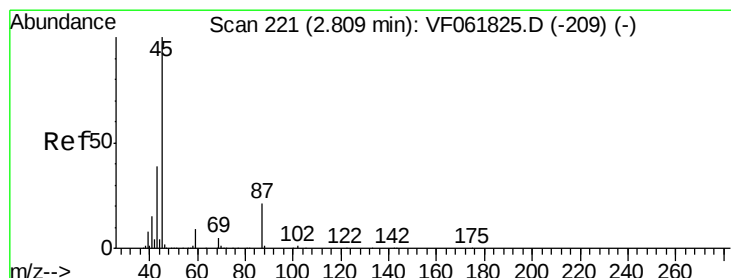
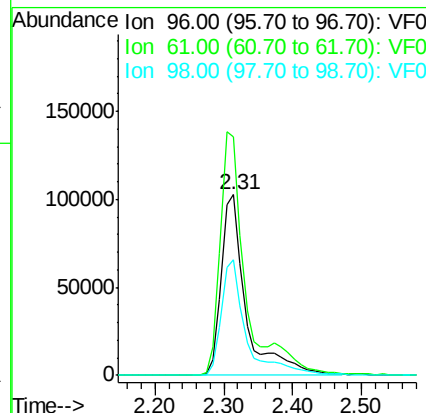
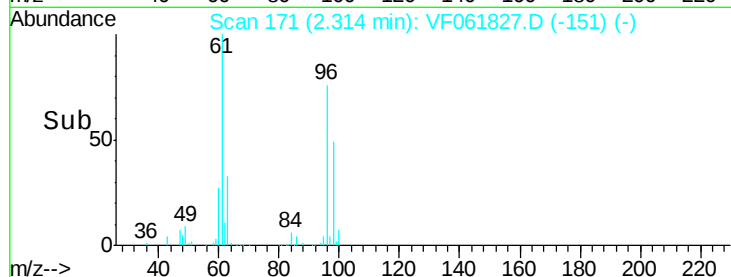
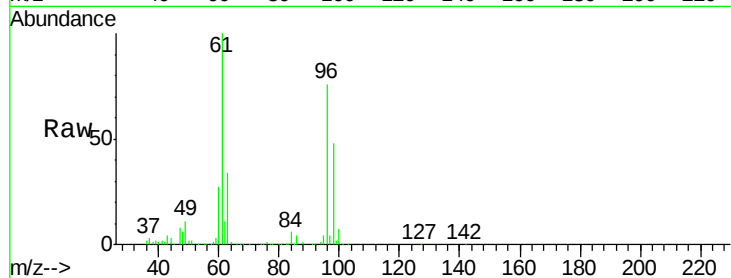
98 64.0 52.2 78.2

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#22

Diisopropyl ether

Concen: 100.655 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion: 45 Resp: 760133

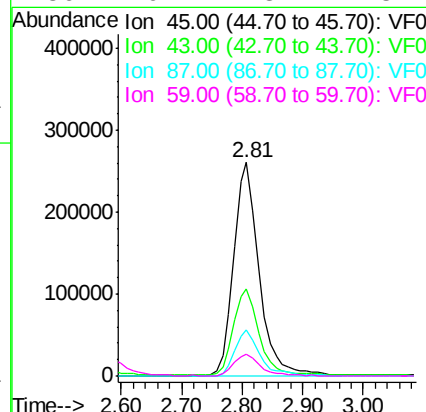
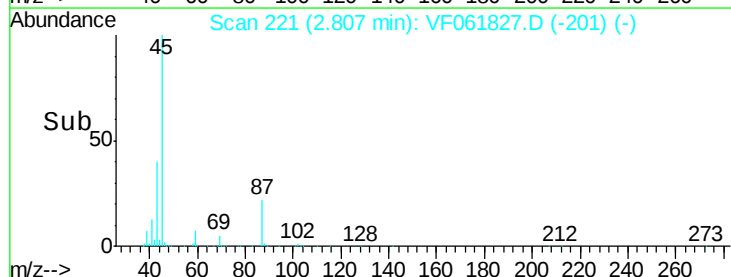
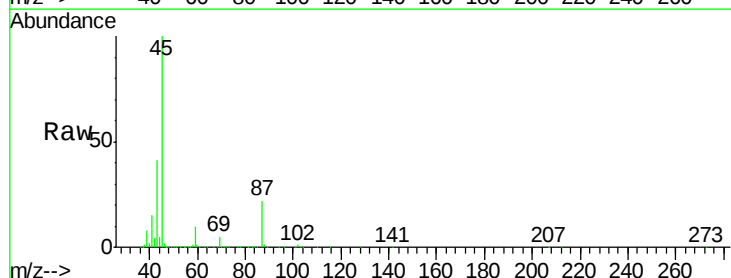
Ion Ratio Lower Upper

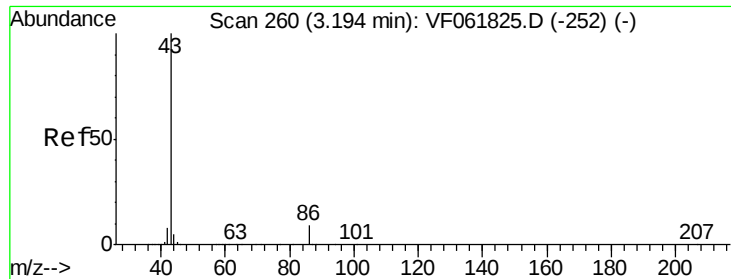
45 100

43 40.6 31.4 47.2

87 21.9 16.3 24.5

59 10.4 8.7 13.1





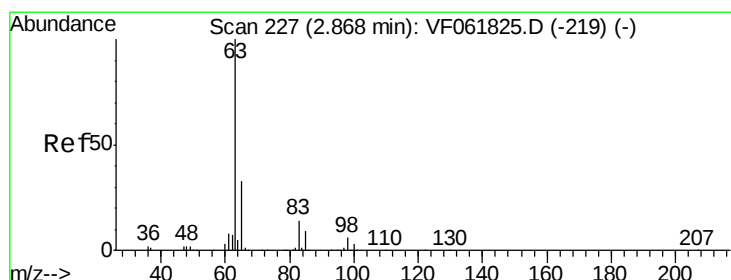
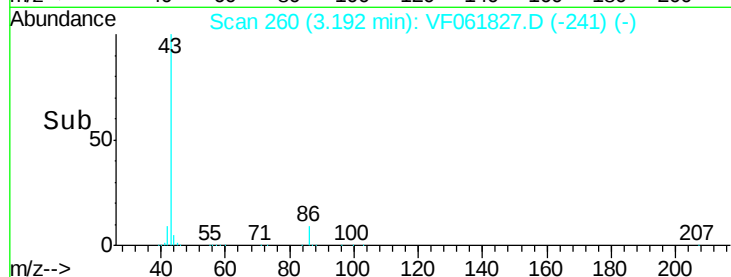
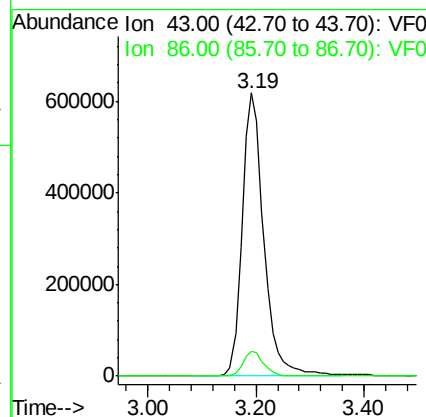
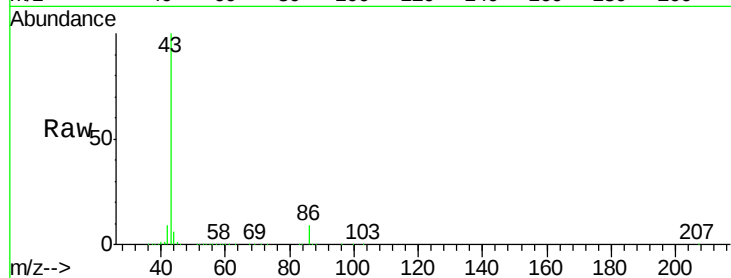
#23
 Vinyl Acetate
 Concen: 467.215 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1723346
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.5 11.3

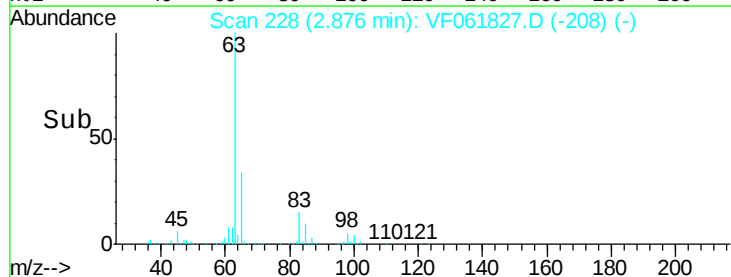
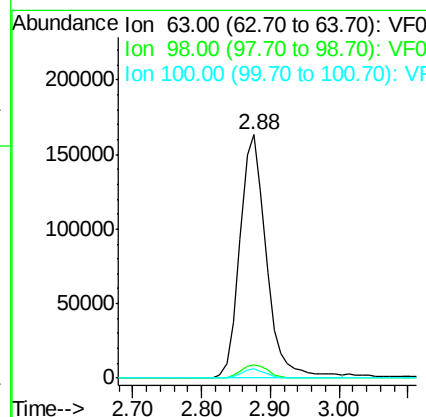
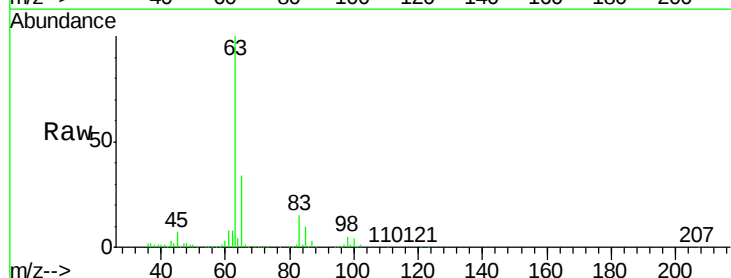
Manual Integrations
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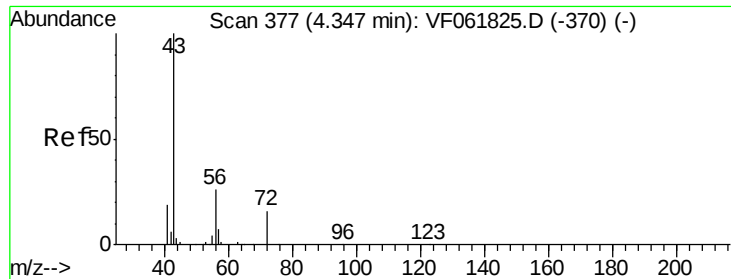
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 95.499 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion: 63 Resp: 436443
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 488.348 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 502142

Ion Ratio Lower Upper

43 100

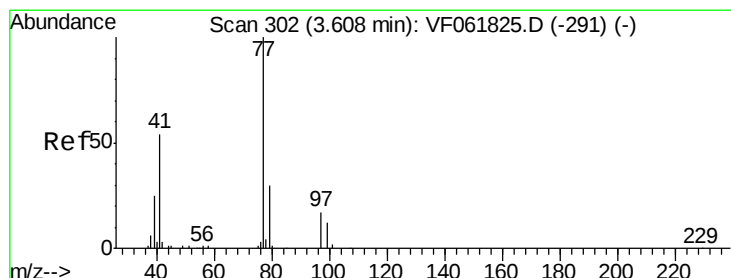
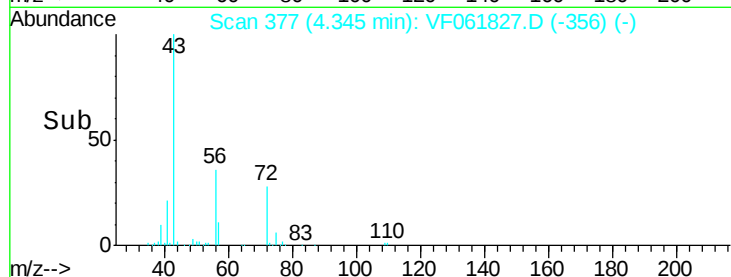
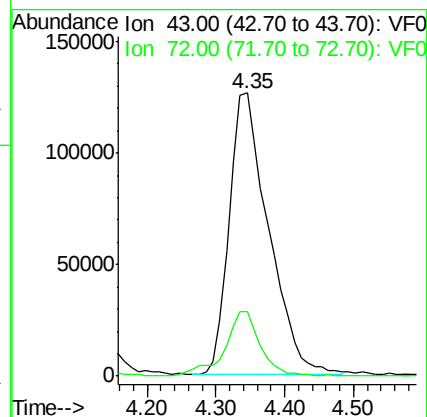
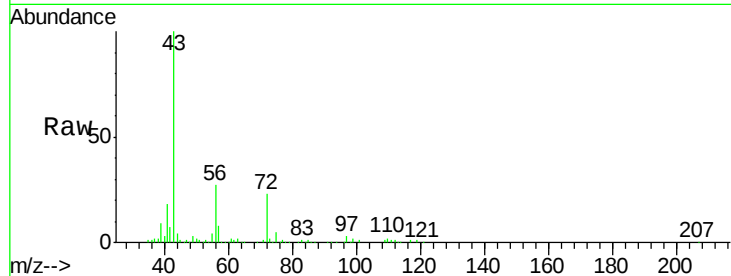
72 23.0 17.1 25.7

Manual Integrations

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MMDadoda

3/5/2019 10:47:35 AM



#26

2,2-Dichloropropane

Concen: 97.243 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061827.D

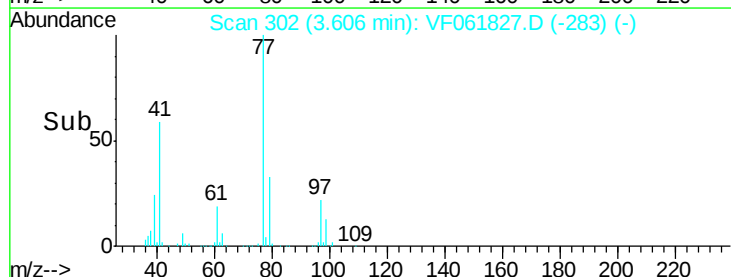
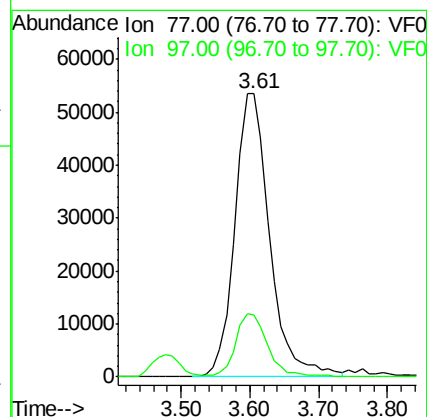
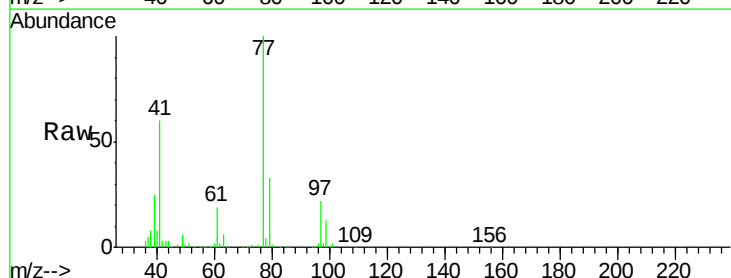
Acq: 4 Mar 2019 18:27

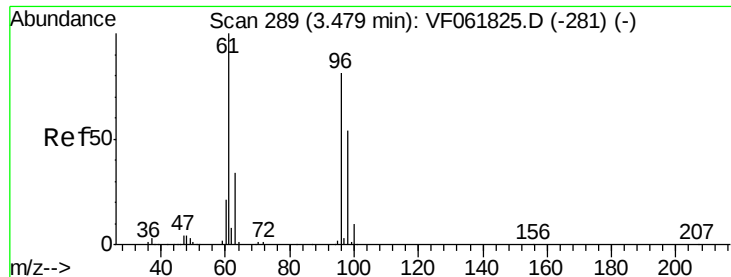
Tgt Ion: 77 Resp: 188245

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0





#27

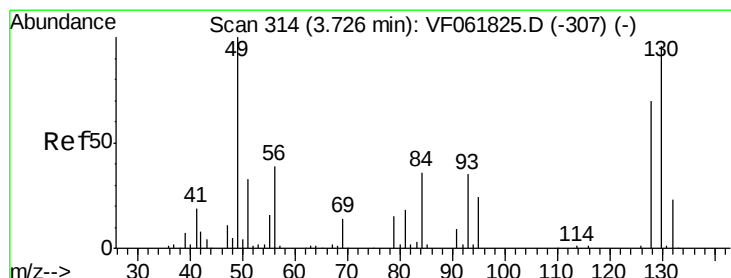
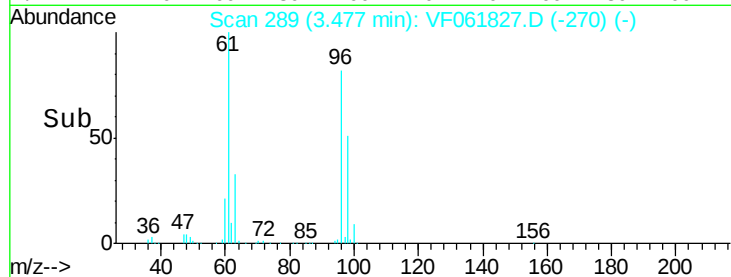
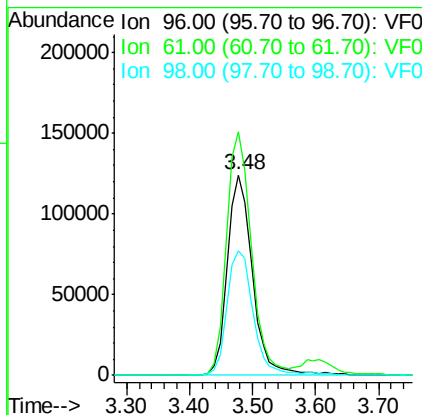
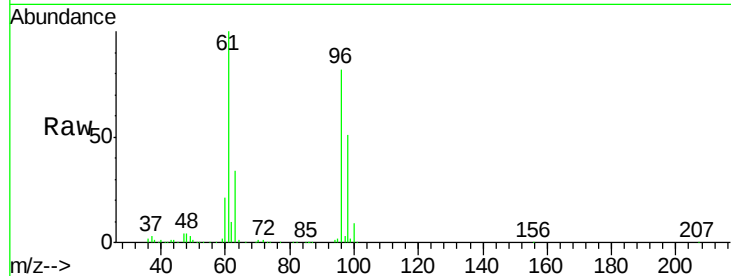
cis-1,2-Dichloroethene
Concen: 93.337 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.7	0.0	241.6
98	62.4	0.0	130.2

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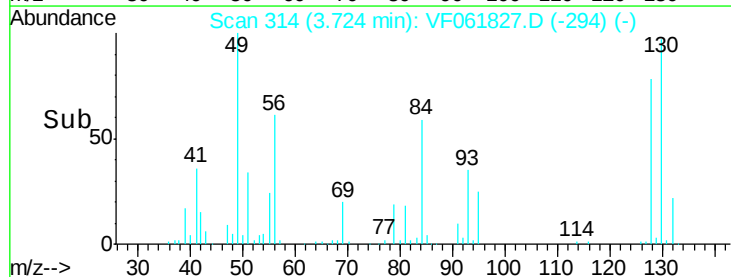
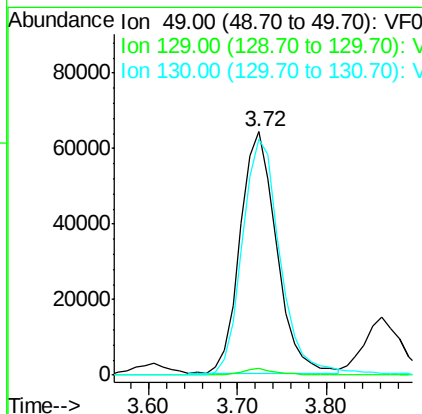
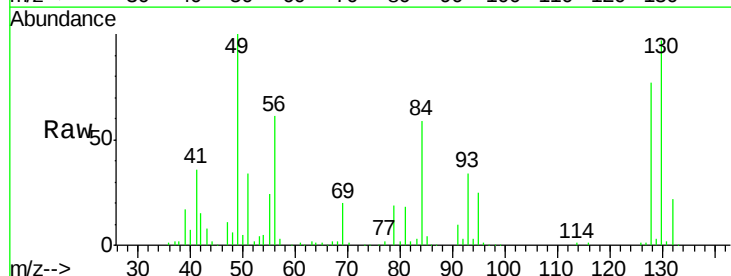
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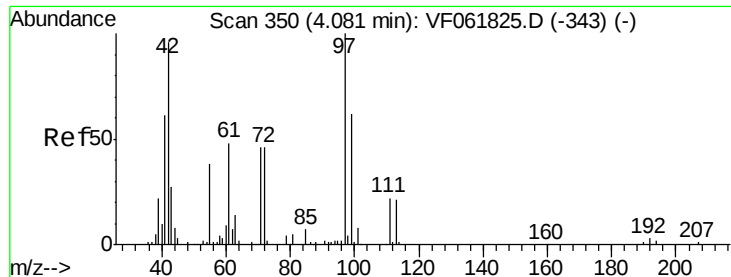


#28

Bromochloromethane
Concen: 82.636 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.4
130	96.7	77.7	116.5





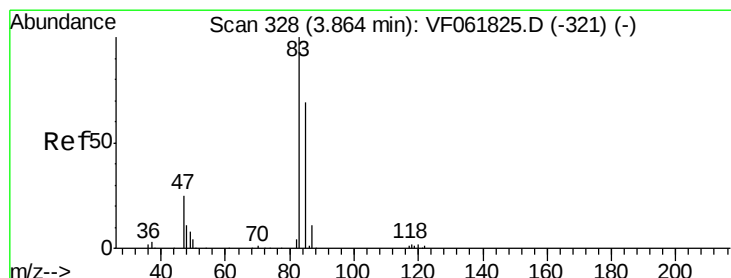
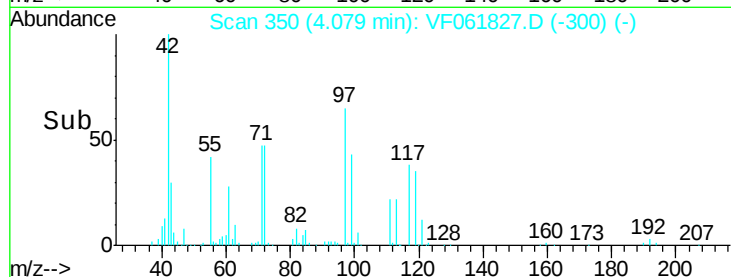
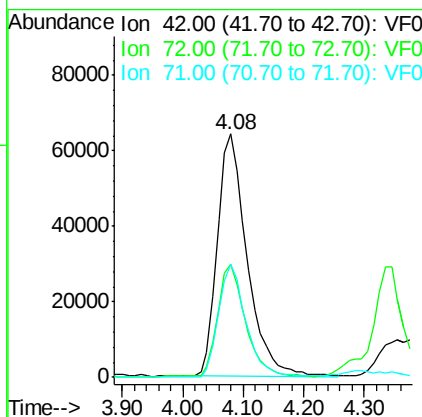
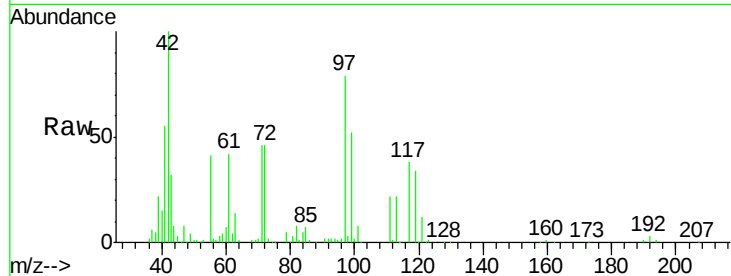
#29
Tetrahydrofuran
Concen: 468.124 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100	218776		
72	43.4		35.2	52.8
71	43.6		32.9	49.3

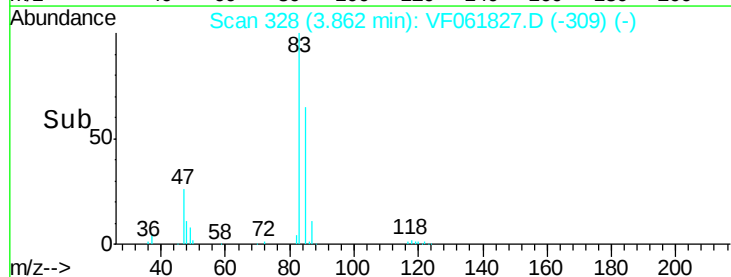
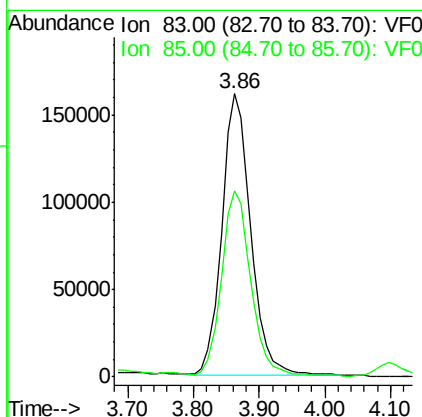
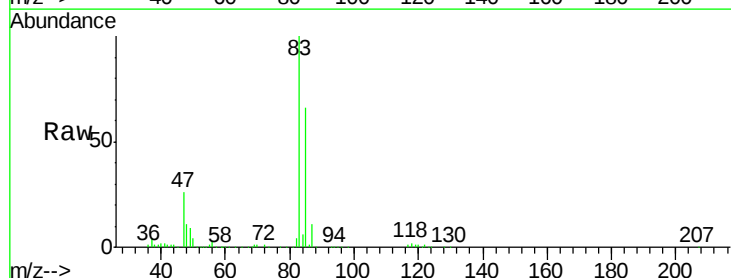
Manual Integrations
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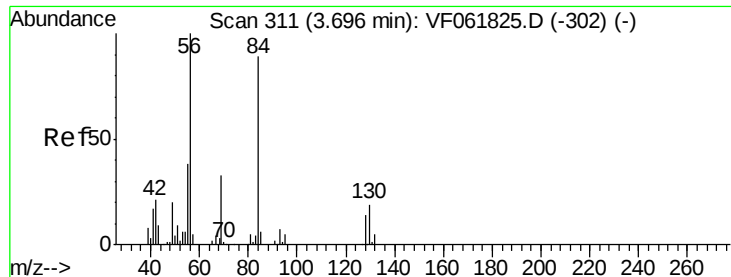
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#30
Chloroform
Concen: 94.578 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	491549		
85	65.7		51.1	76.7





#31

Cyclohexane

Concen: 89.772 ug/l m

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

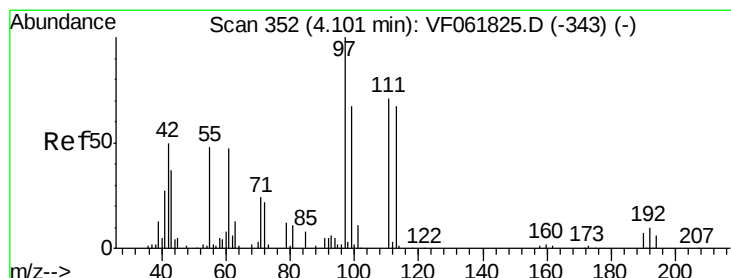
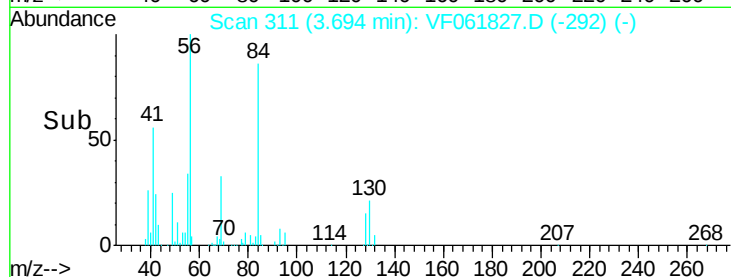
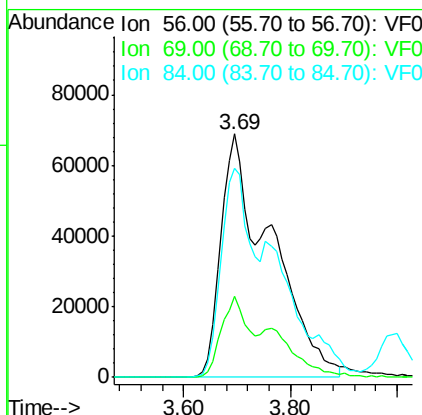
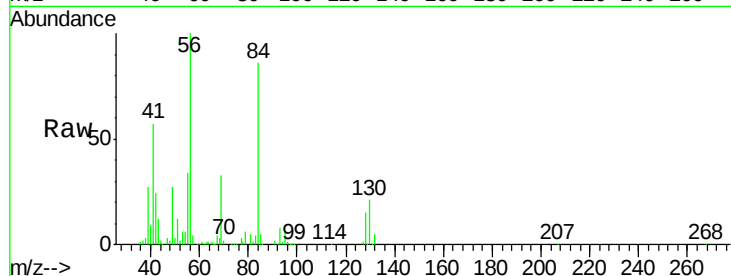
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	444139
Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.8
84	85.7	68.6	103.0

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#32

1,1,1-Trichloroethane

Concen: 93.003 ug/l

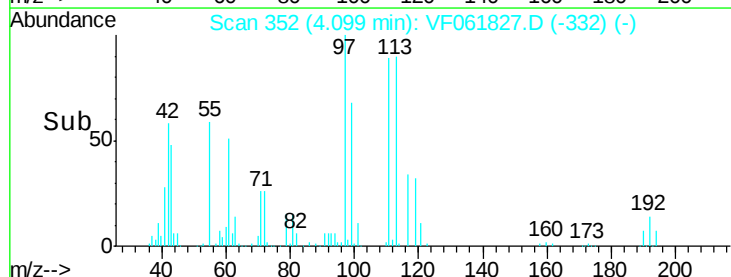
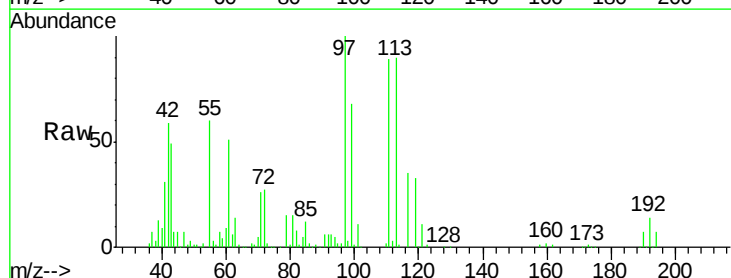
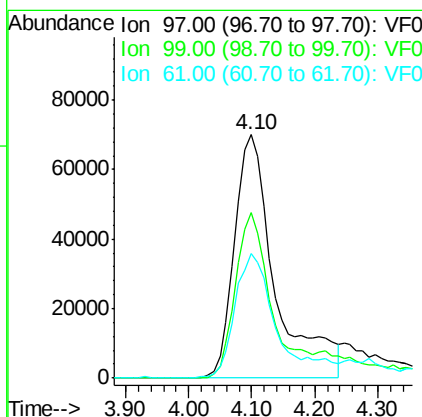
RT: 4.10 min Scan# 352

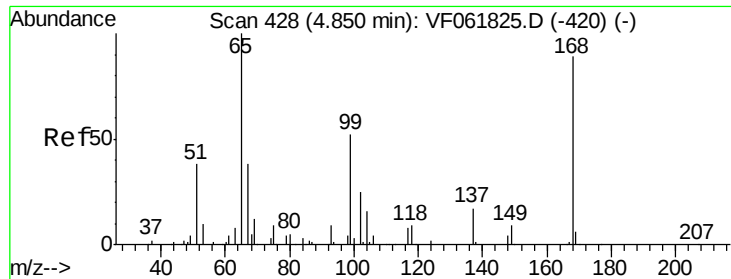
Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion:	97	Resp:	316633
Ion	Ratio	Lower	Upper
97	100		
99	68.1	52.2	78.2
61	51.1	39.2	58.8





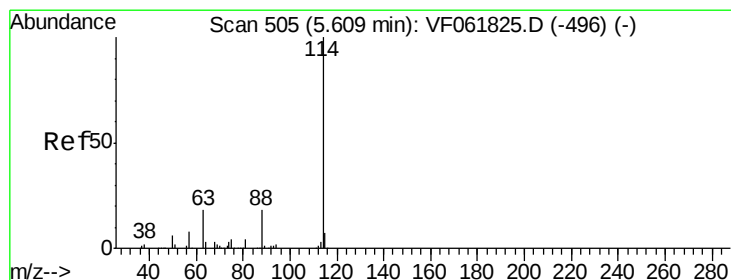
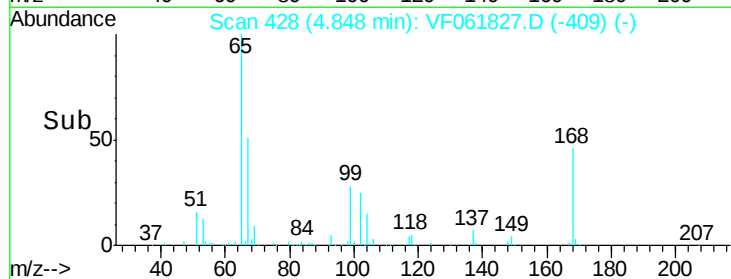
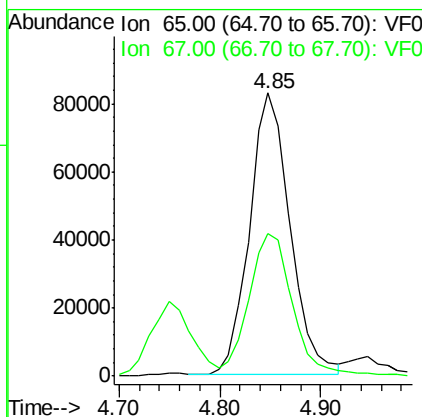
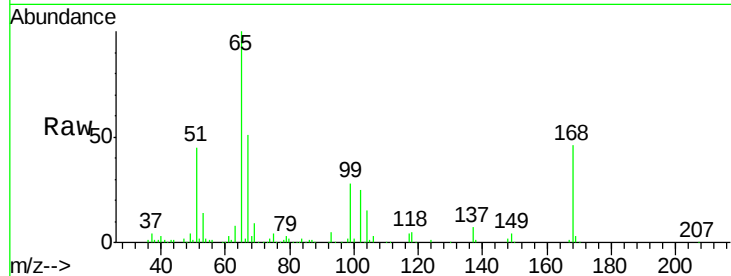
#33
 1,2-Dichloroethane-d4
 Concen: 105.237 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230894		
67	50.6	0.0	104.0	

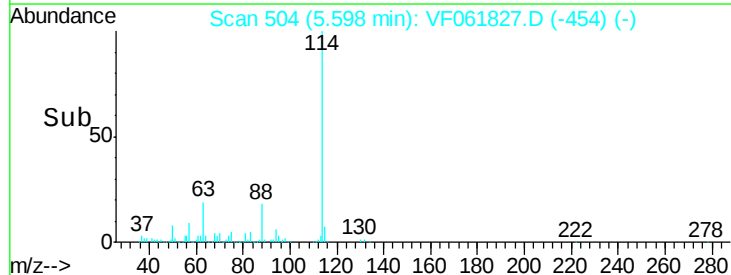
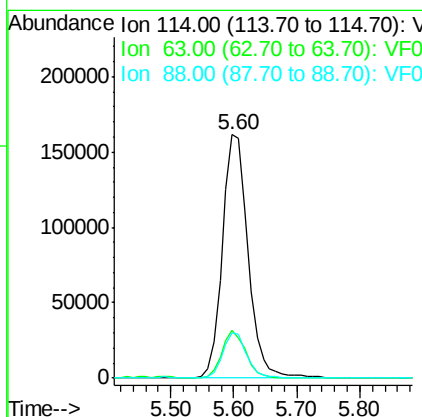
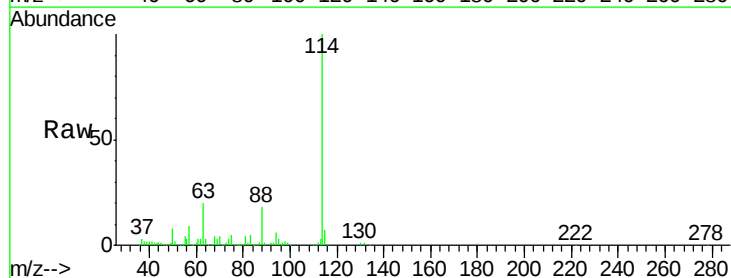
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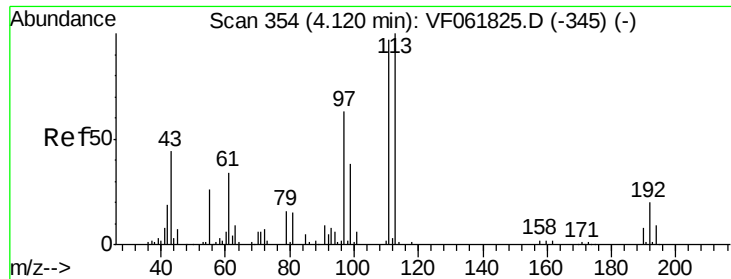
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	456463		
63	19.6	0.0	36.6	
88	18.3	0.0	34.4	





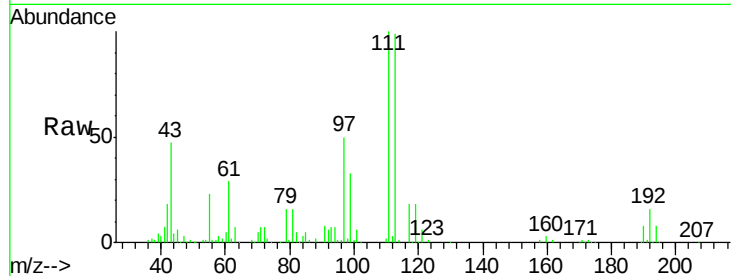
#35
 Dibromofluoromethane
 Concen: 93.930 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

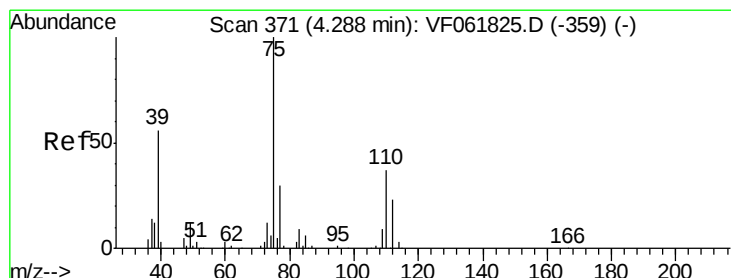
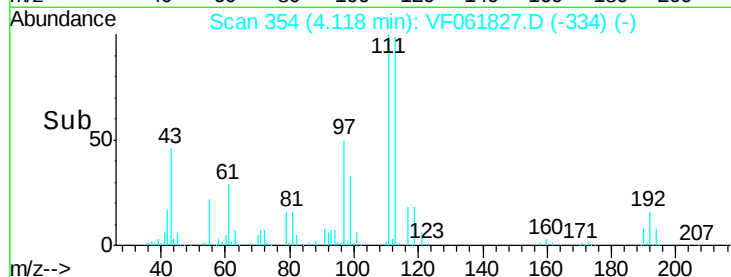
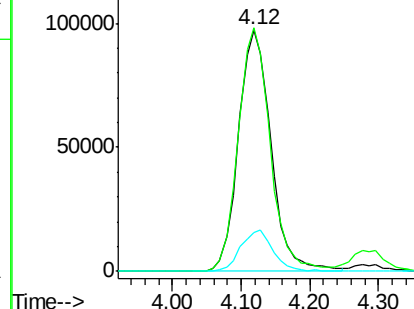
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	78.8	118.2
192	16.7	13.4	20.0

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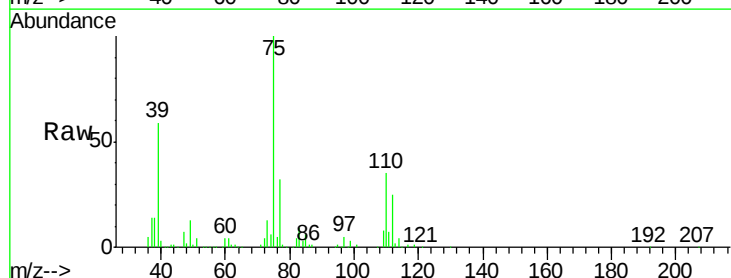


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

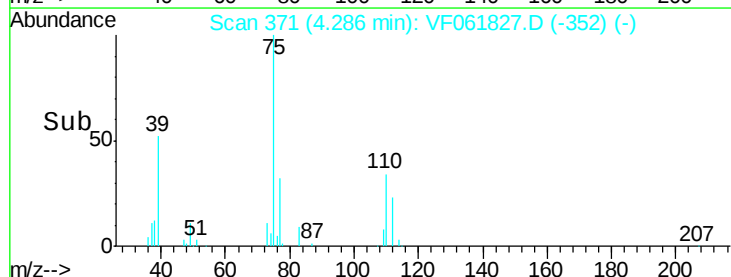
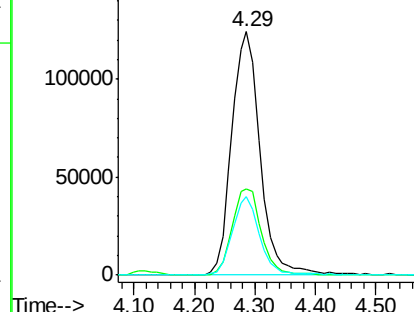


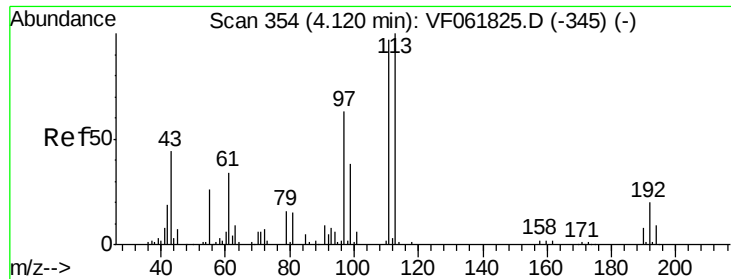
#36
 1,1-Dichloropropene
 Concen: 89.339 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	20.5	61.6
77	32.1	27.0	40.4



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





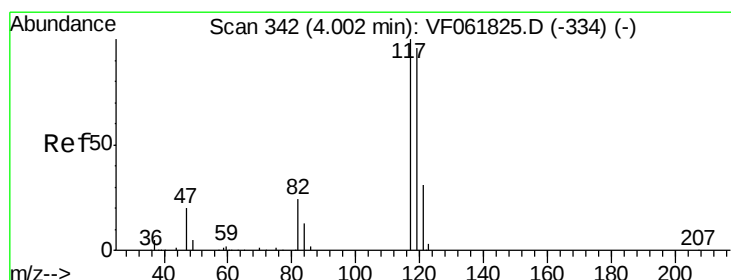
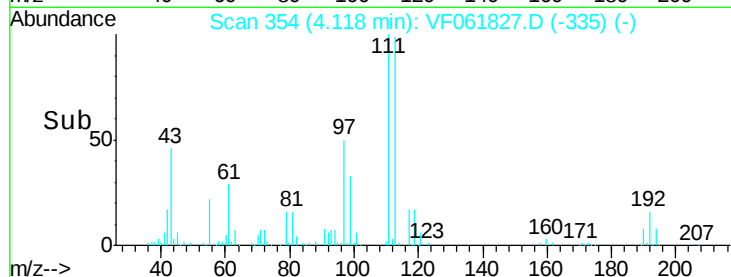
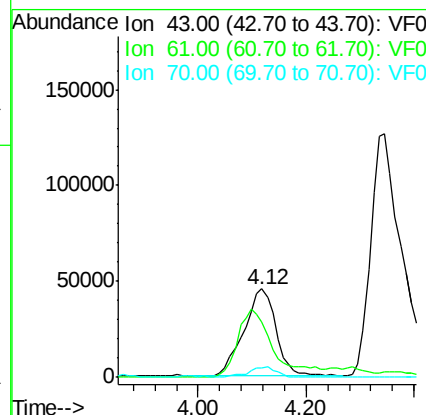
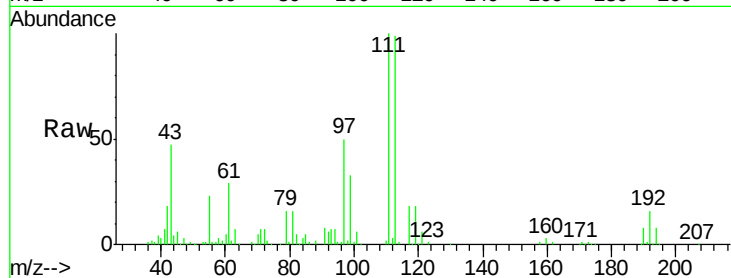
#37
Ethyl Acetate
Concen: 89.488 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	62.5	45.7	68.5
70	10.5	8.5	12.7

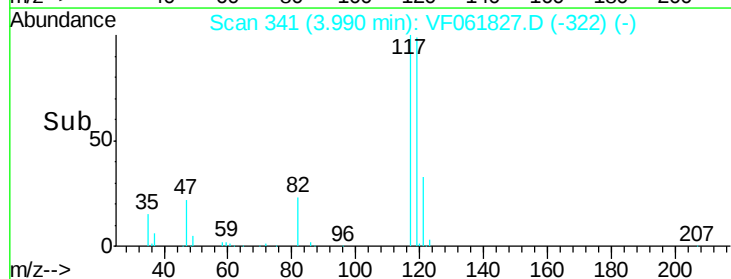
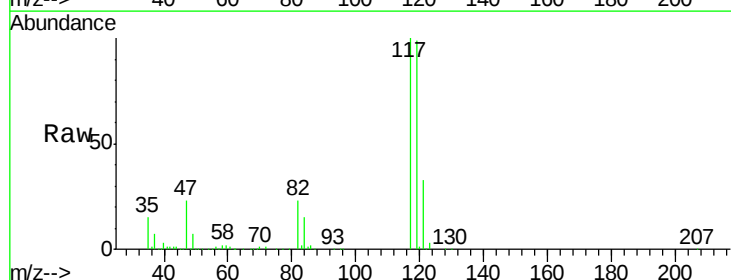
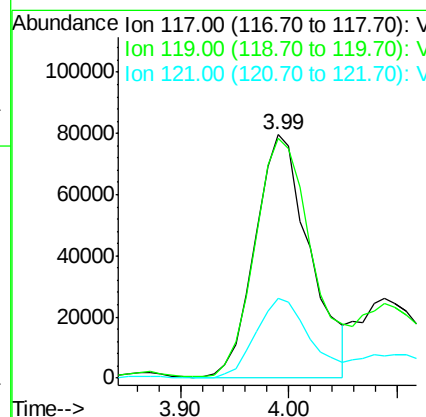
Manual Integrations
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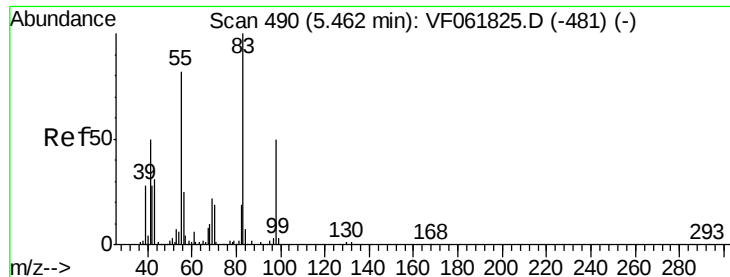
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#38
Carbon Tetrachloride
Concen: 90.038 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.6	113.4
121	32.9	25.2	37.8





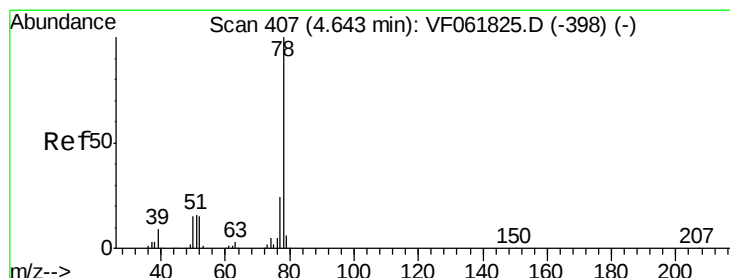
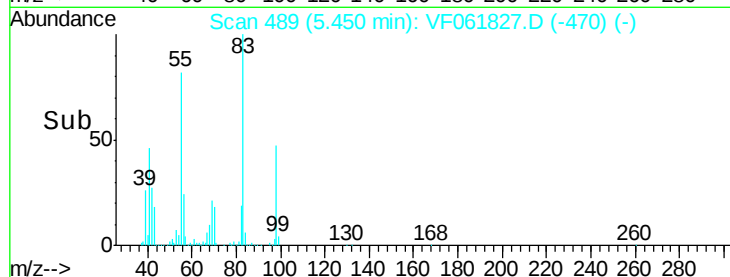
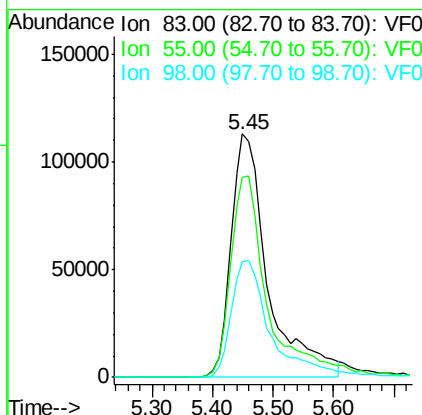
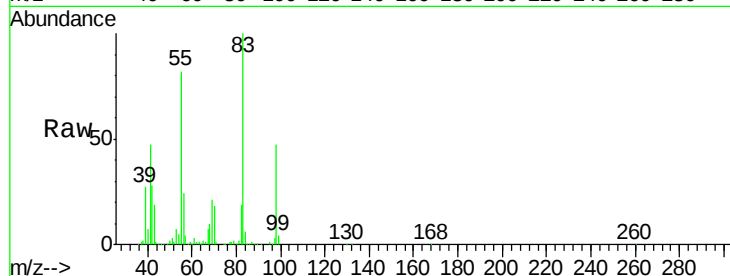
#39
Methvlcvclohexane
Concen: 89.858 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.6	99.8
98	47.5	40.4	60.6

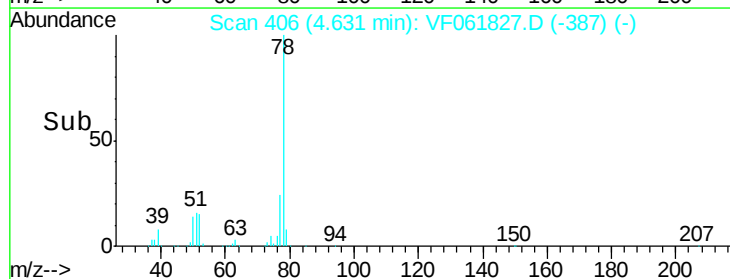
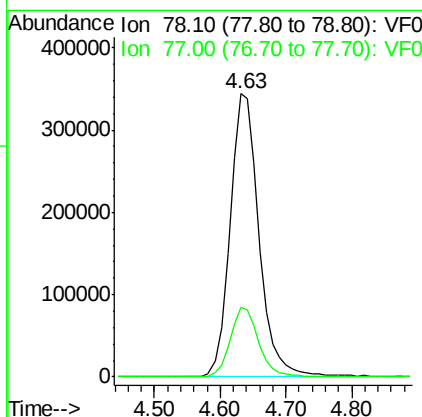
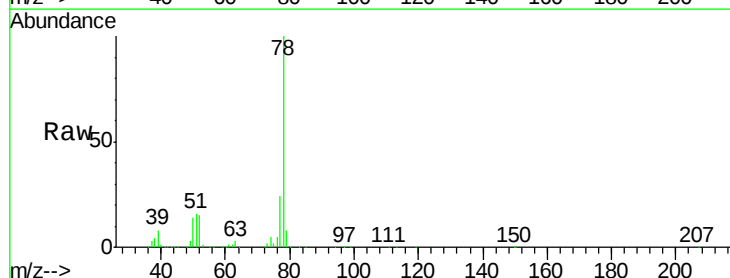
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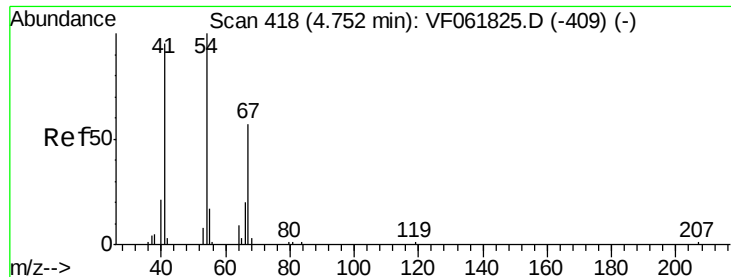
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#40
Benzene
Concen: 89.422 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





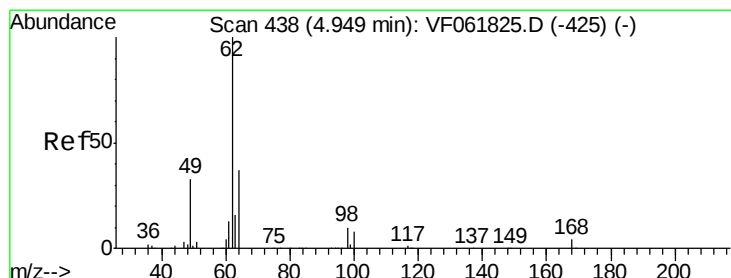
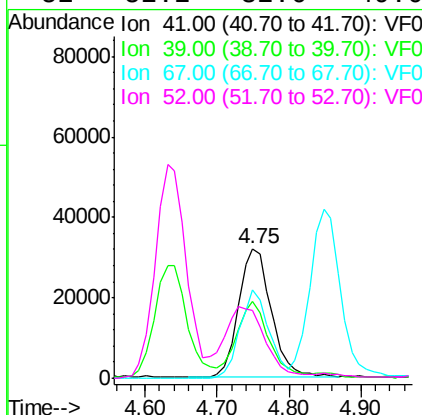
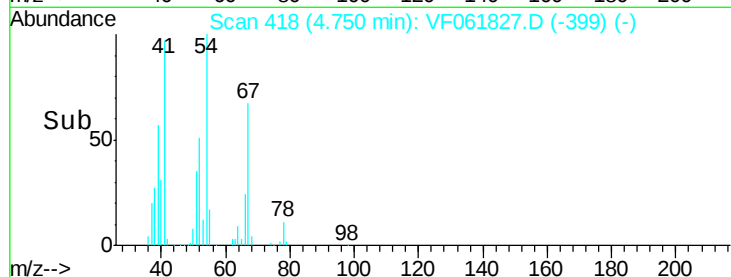
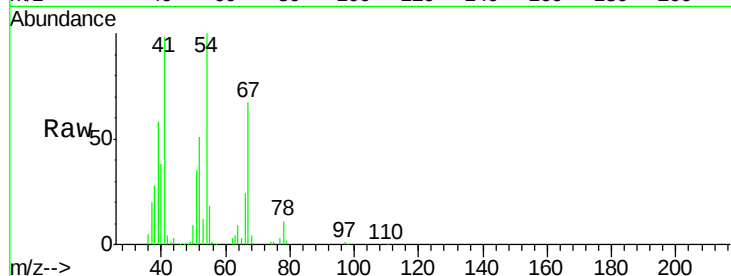
#41
Methacrylonitrile
Concen: 94.573 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		101579		
39	58.9	45.3	67.9		
67	68.3	49.3	73.9		
52	52.2	32.6	49.0		

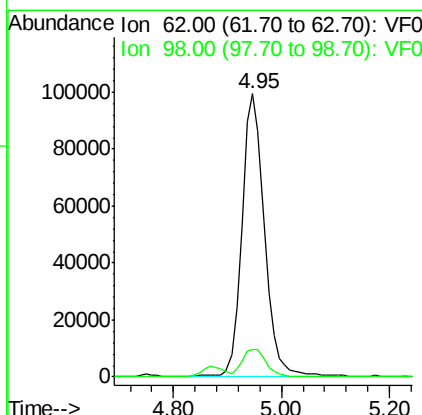
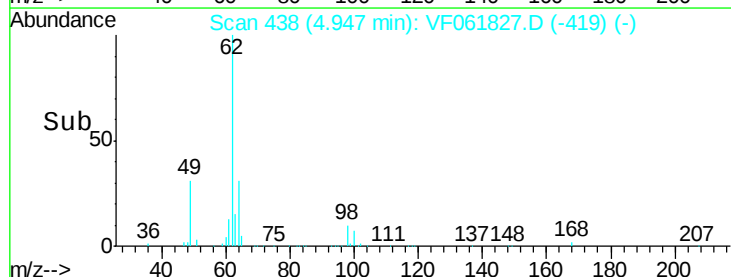
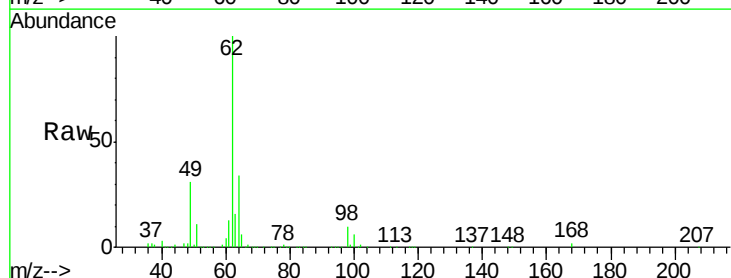
Manual Integrations
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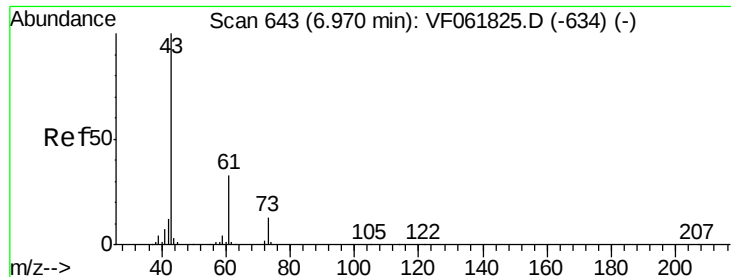
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#42
1,2-Dichloroethane
Concen: 101.828 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		288093		
98	9.7	0.0	26.0		





#43

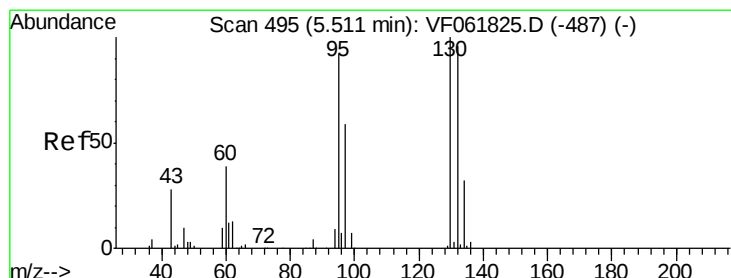
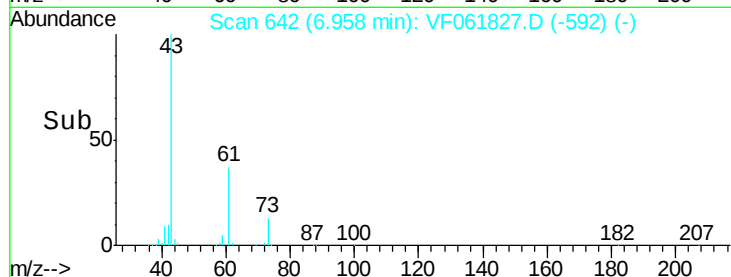
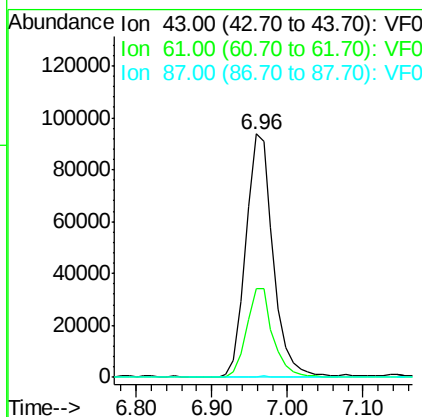
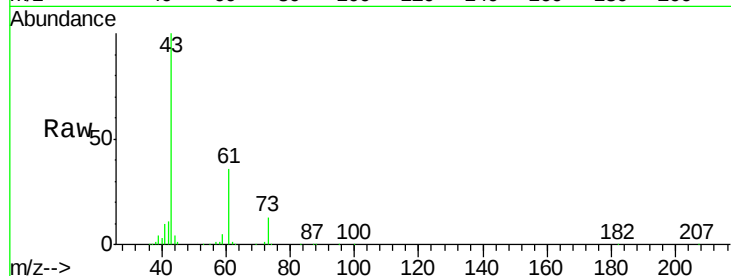
Isopropyl Acetate
 Concen: 94.090 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.5	25.8	38.6
87	0.4	0.4	0.6

Manual Integrations
 APPROVED

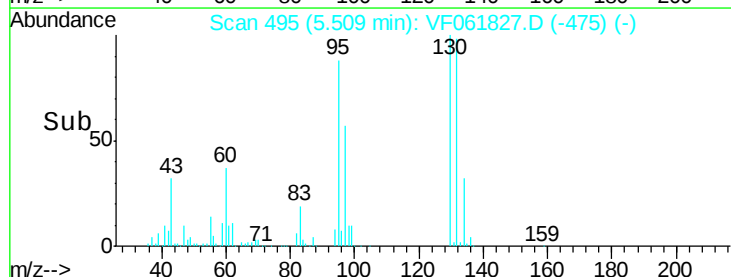
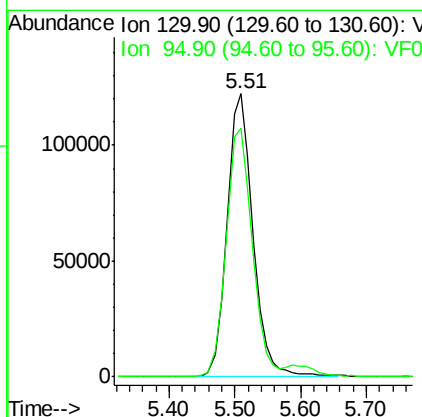
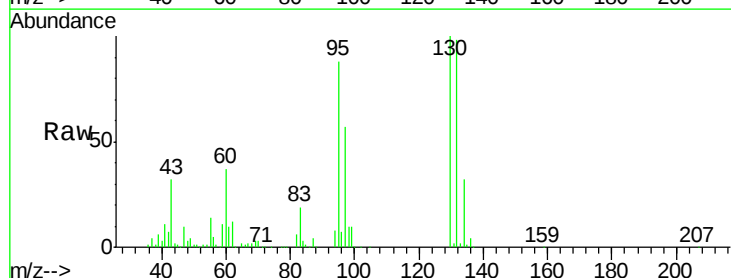
MMDadoda
 3/5/2019 10:47:35 AM

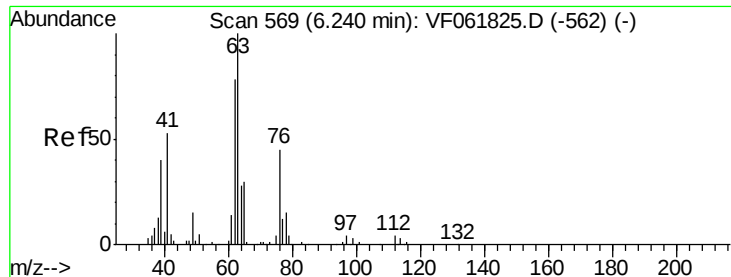


#44

Trichloroethene
 Concen: 88.406 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	179.4





#45

1,2-Dichloropropane

Concen: 92.207 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 263614

Ion Ratio Lower Upper

63 100

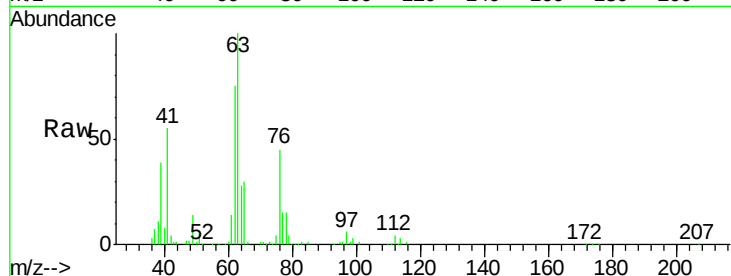
65 30.2 24.9 37.3

Manual Integrations

APPROVED

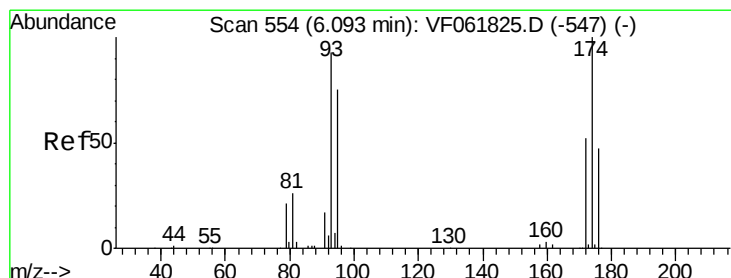
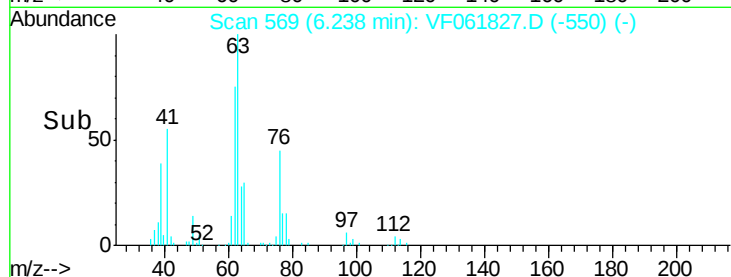
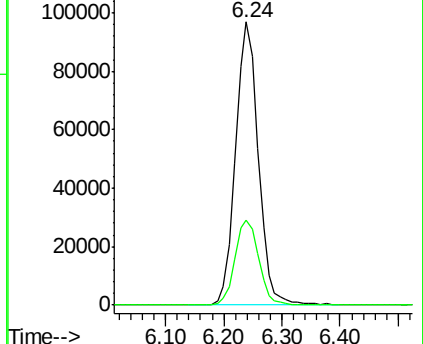
MMDadoda

3/5/2019 10:47:35 AM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 101.469 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

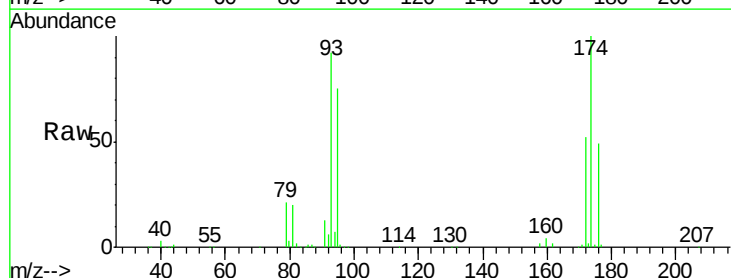
Tgt Ion: 93 Resp: 178612

Ion Ratio Lower Upper

93 100

95 81.4 69.0 103.6

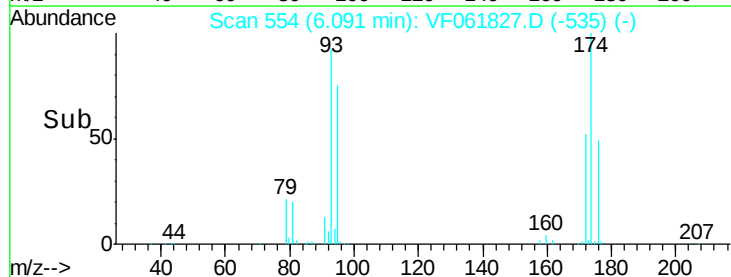
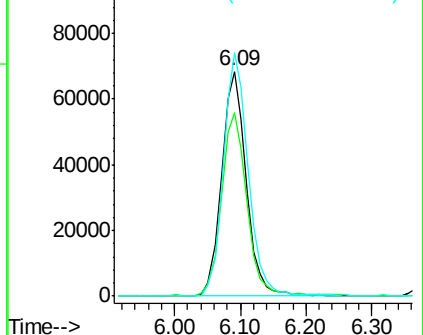
174 108.3 99.3 148.9

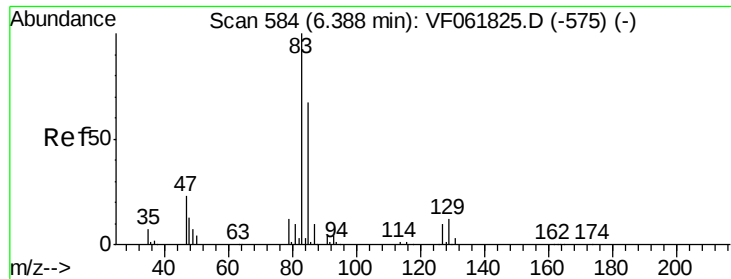


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 95.923 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

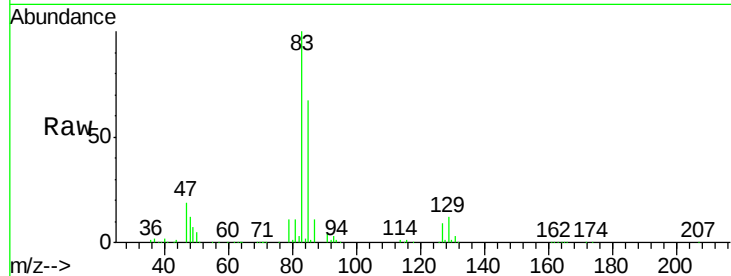
ClientSampleId :

VSTDIC100

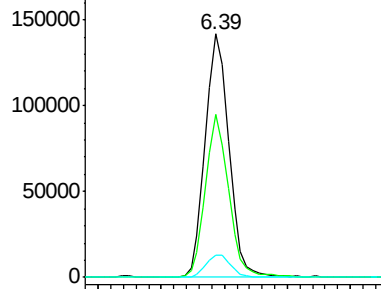
Tot Ion:	83	Resp:	369759
Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2
127	9.3	7.5	11.3

Manual Integrations
APPROVED

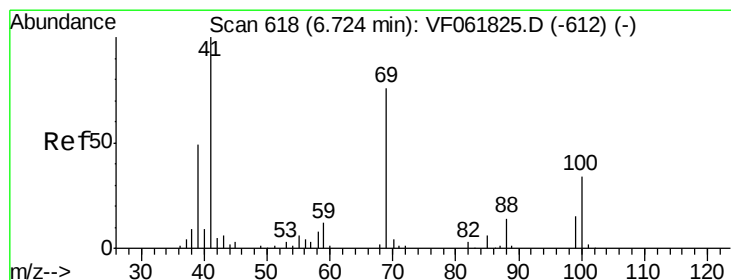
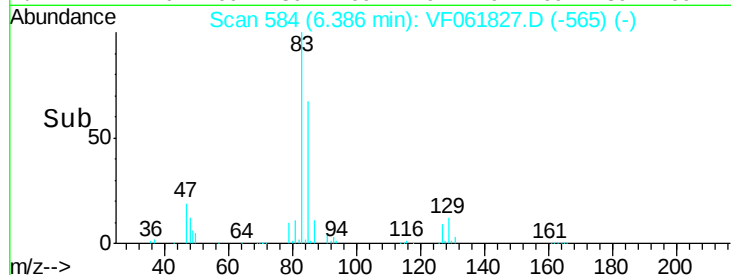
MMDadoda
3/5/2019 10:47:35 AM



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 101.749 ug/l

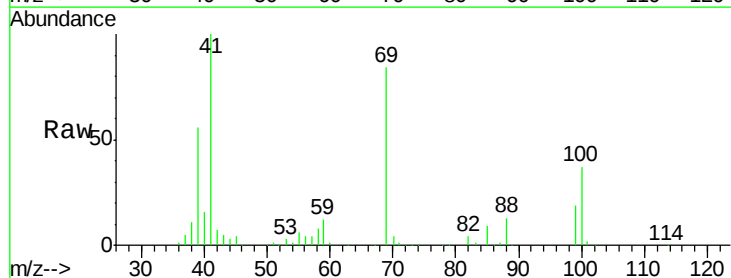
RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

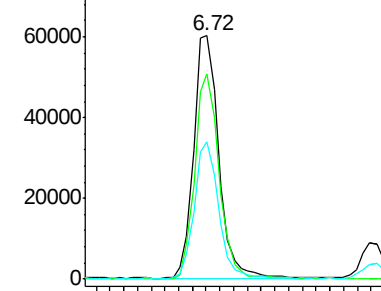
Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

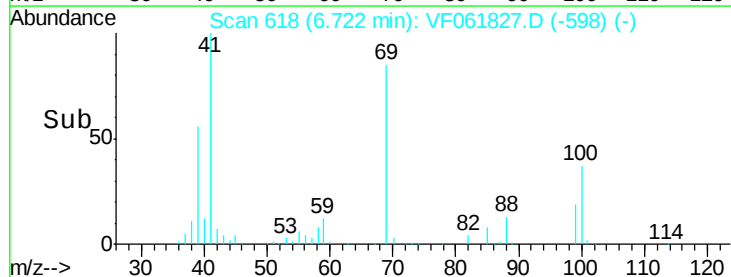
Tgt Ion:	41	Resp:	152226
Ion	Ratio	Lower	Upper
41	100		
69	84.4	60.4	90.6
39	56.3	43.7	65.5

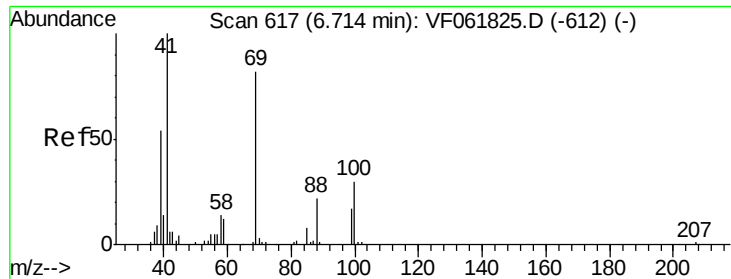


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->





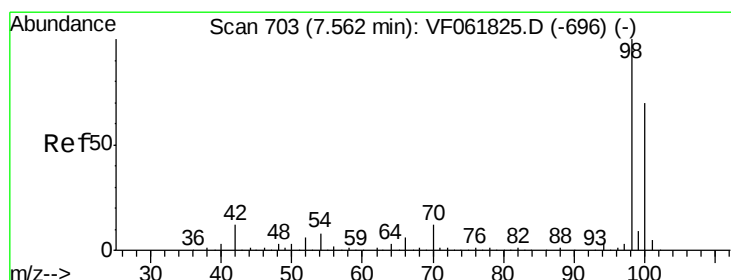
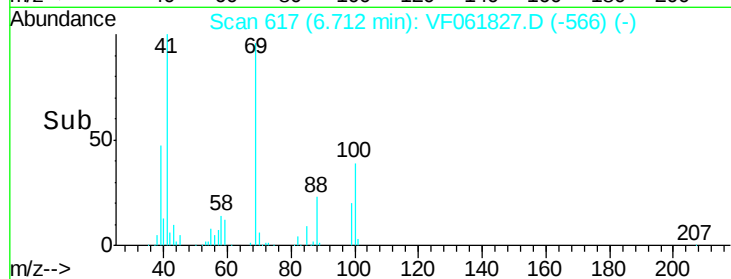
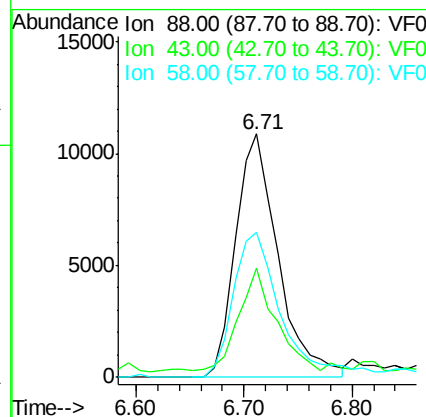
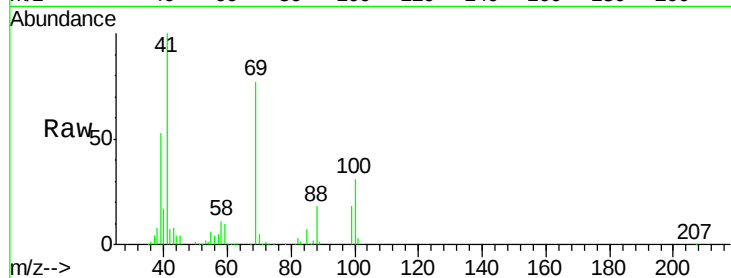
#49
1,4-Dioxane
Concen: 2116.325 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	44.6	32.3	48.5	
58	59.7	59.4	89.2	

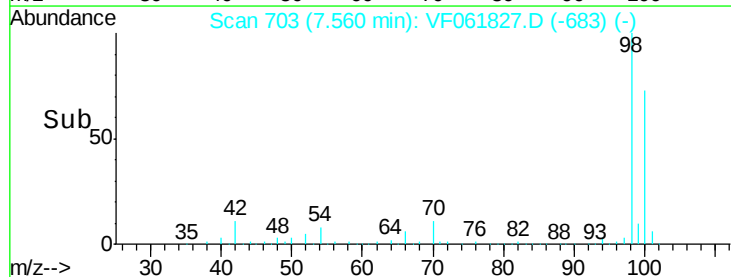
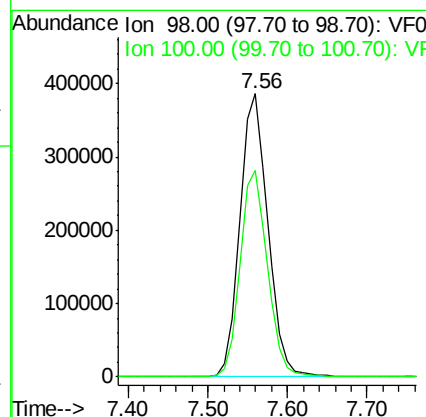
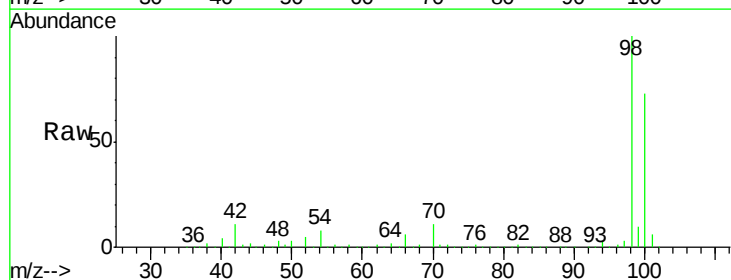
Manual Integrations
APPROVED

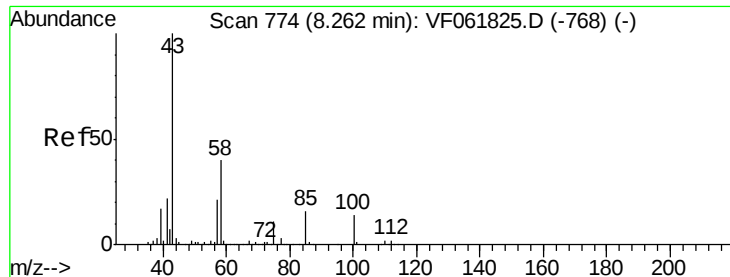
MMDadoda
3/5/2019 10:47:35 AM



#50
Toluene-d8
Concen: 96.692 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.9	55.4	83.2	





#51

4-Methyl-2-Pentanone

Concen: 432.561 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 768391

Ion Ratio Lower Upper

43 100

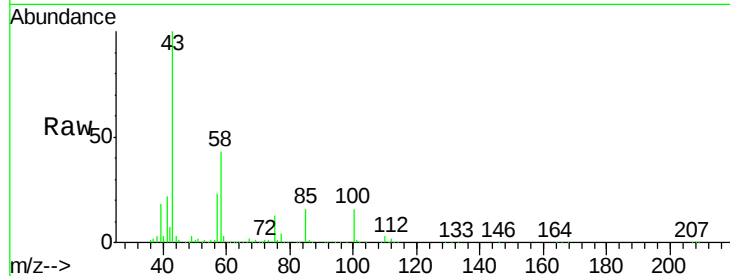
58 42.8 33.1 49.7

Manual Integrations

APPROVED

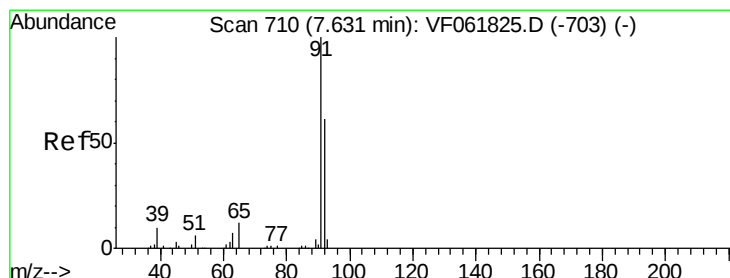
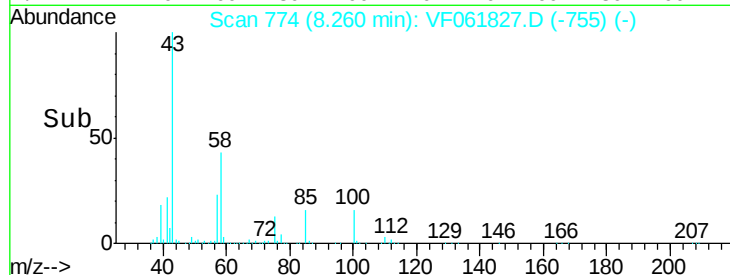
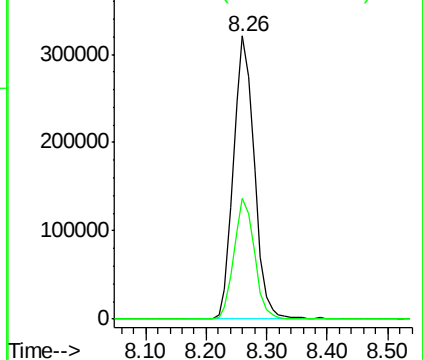
MMDadoda

3/5/2019 10:47:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 89.125 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061827.D

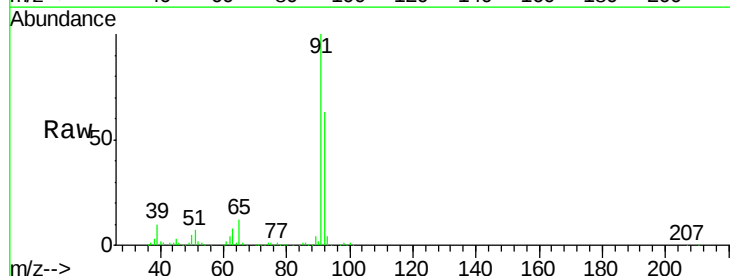
Acq: 4 Mar 2019 18:27

Tgt Ion: 92 Resp: 639316

Ion Ratio Lower Upper

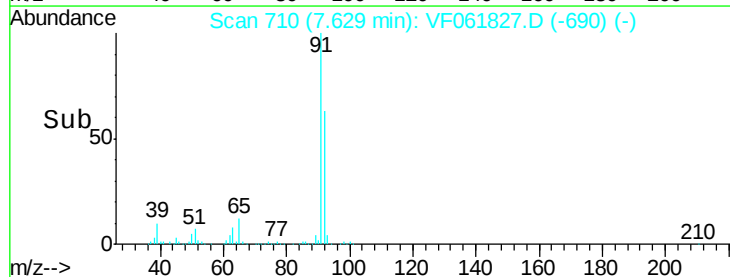
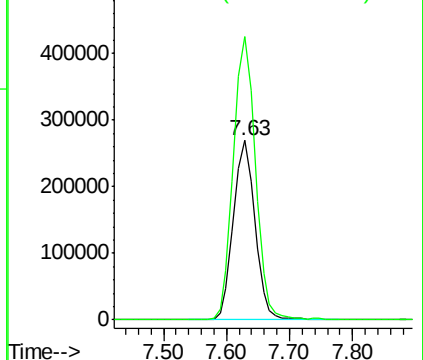
92 100

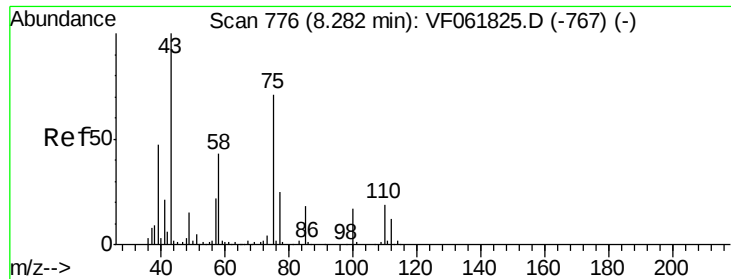
91 157.6 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





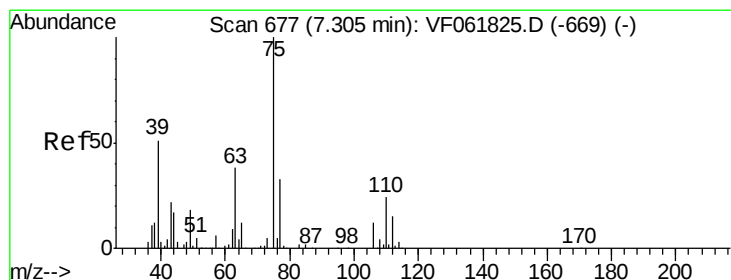
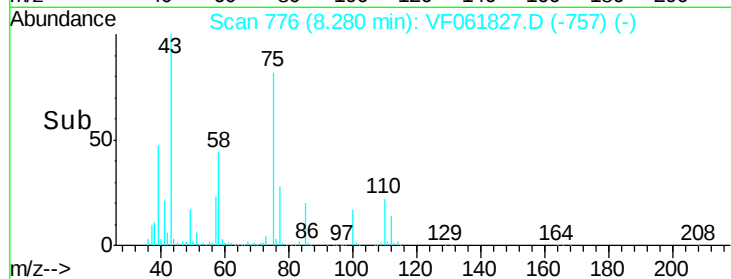
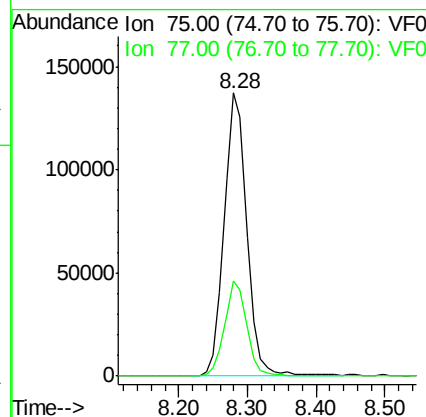
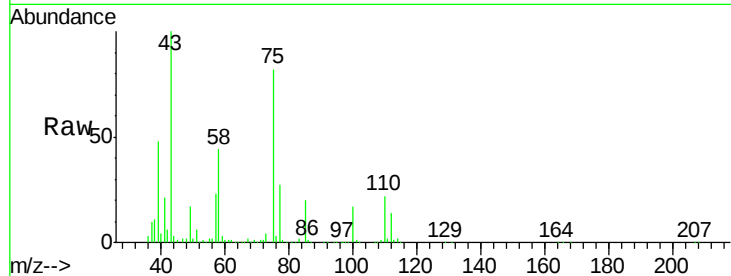
#53
 t-1,3-Dichloropropene
 Concen: 97.593 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	26.2	39.2

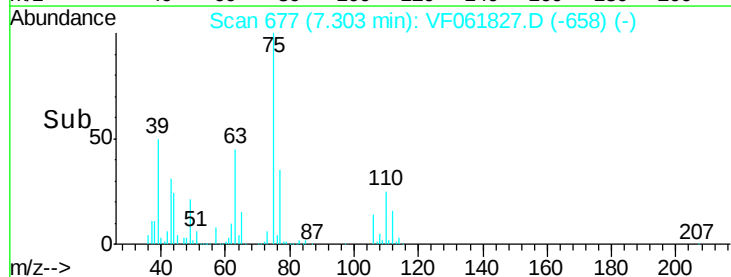
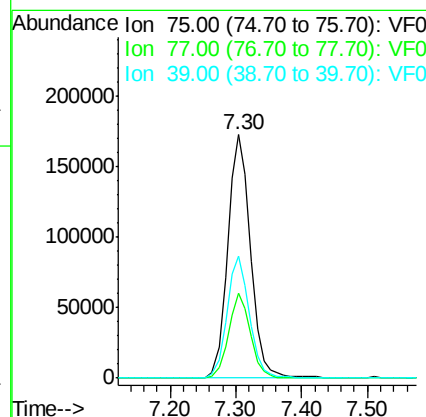
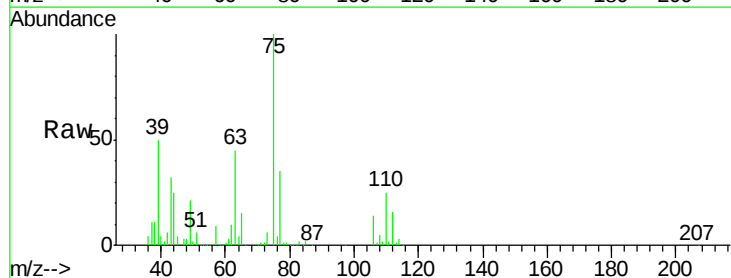
Manual Integrations
 APPROVED

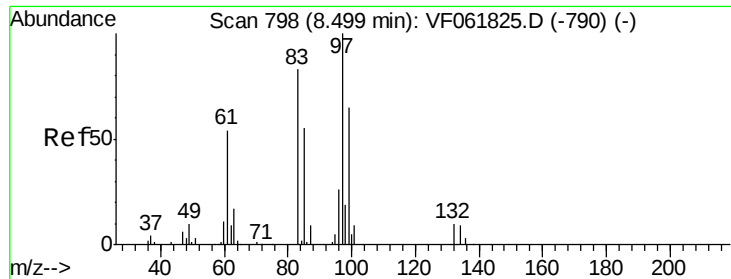
MMDadoda
 3/5/2019 10:47:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 97.862 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.9	26.4	39.6
39	50.1	36.0	54.0





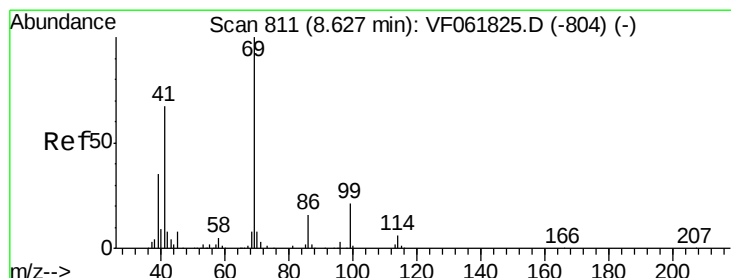
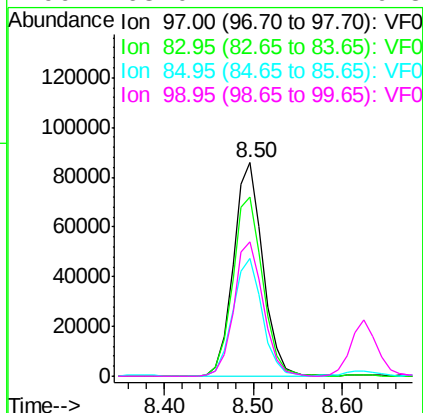
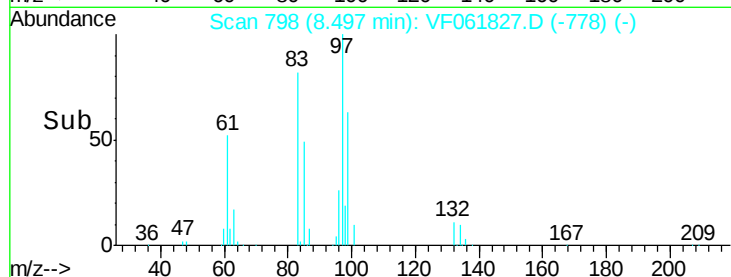
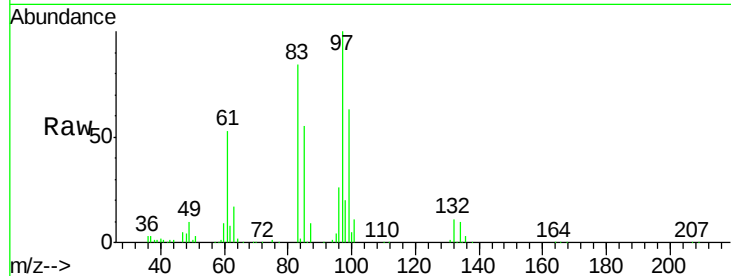
#55
 1,1,2-Trichloroethane
 Concen: 93.643 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		197359		
83	84.1	69.2	103.8		
85	55.2	43.0	64.4		
99	63.0	47.2	70.8		

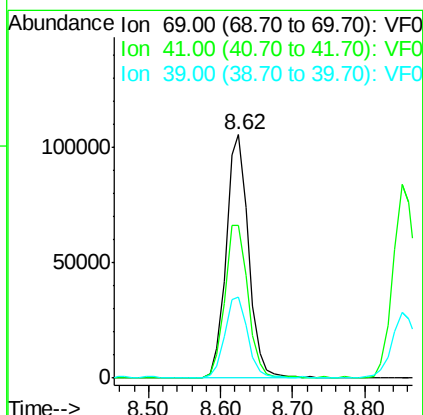
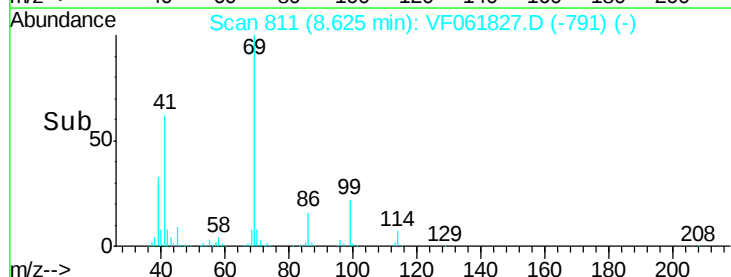
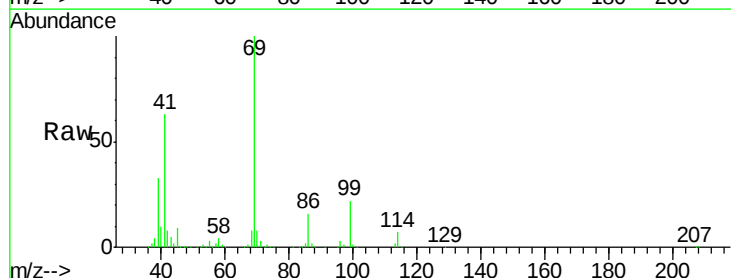
Manual Integrations
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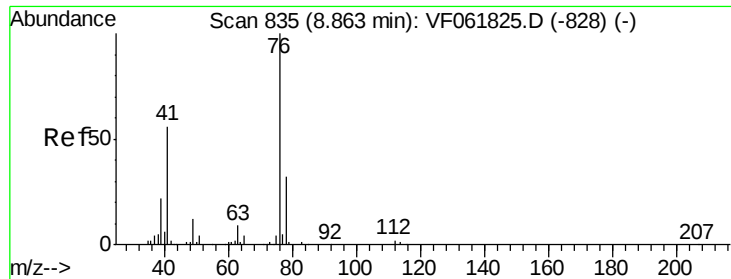
MMDadoda
 3/5/2019 10:47:35 AM



#56
 Ethyl methacrylate
 Concen: 97.071 ug/l
 RT: 8.62 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		227773		
41	62.8	52.9	79.3		
39	33.4	24.5	36.7		





#57

1,3-Dichloropropane

Concen: 91.225 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 320910

Ion Ratio Lower Upper

76 100

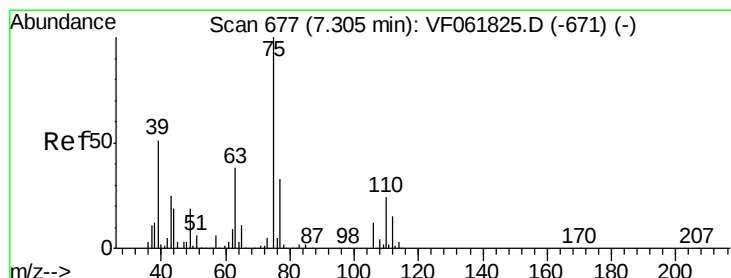
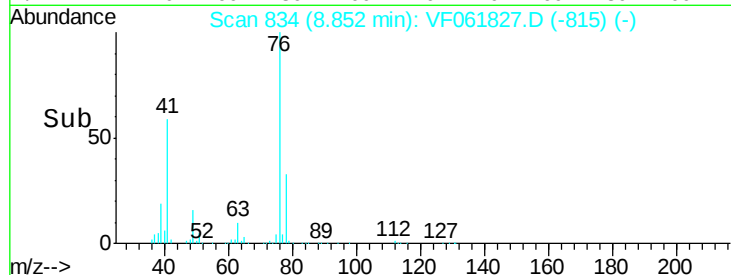
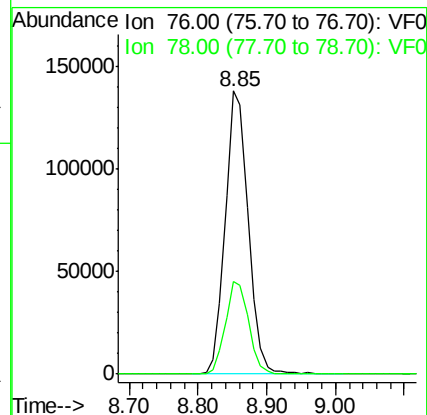
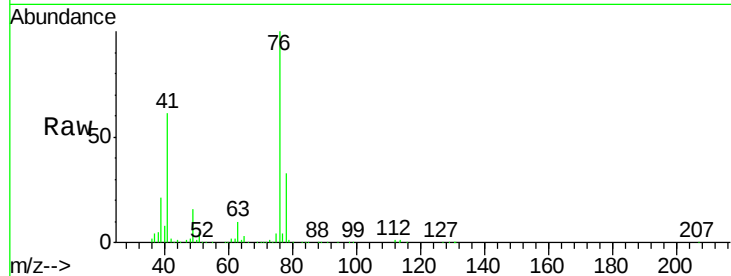
78 32.8 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

3/5/2019 10:47:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 464.855 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061827.D

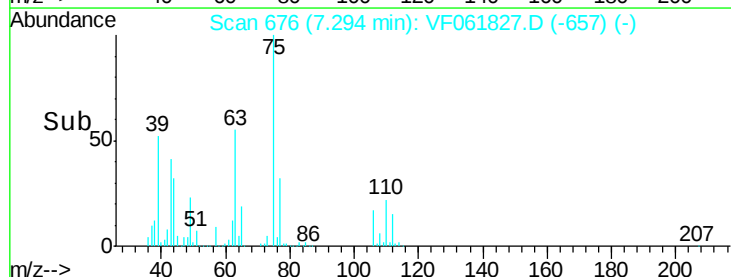
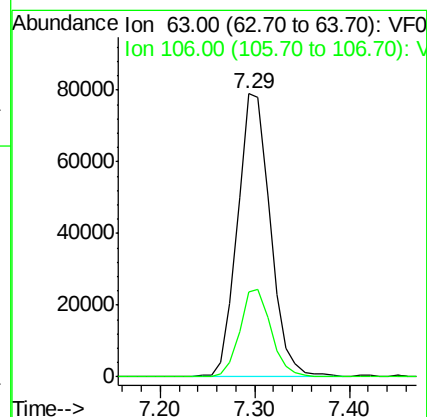
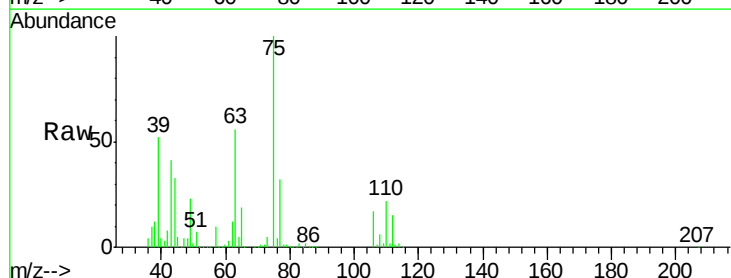
Acq: 4 Mar 2019 18:27

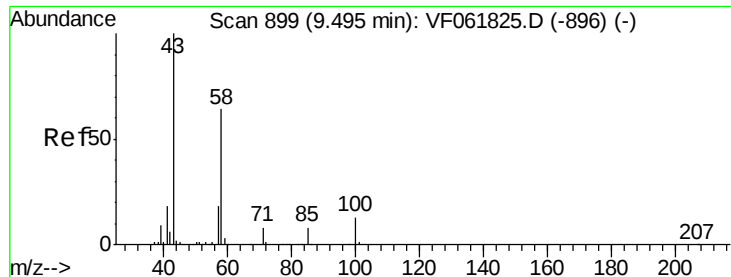
Tgt Ion: 63 Resp: 188197

Ion Ratio Lower Upper

63 100

106 30.1 24.6 36.8





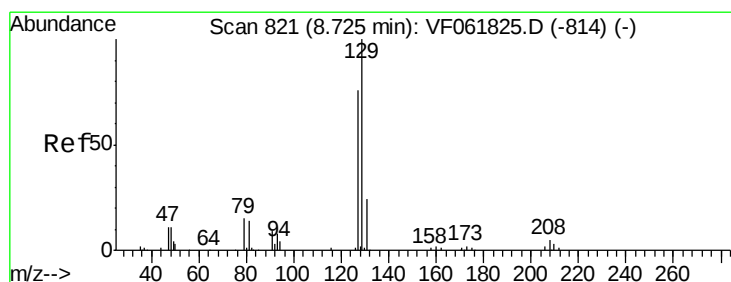
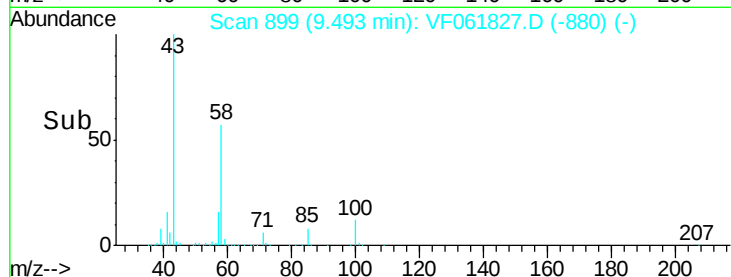
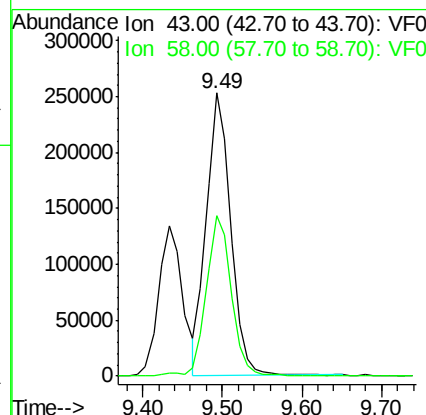
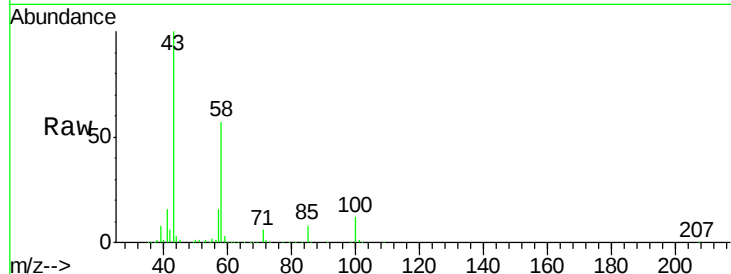
#59
2-Hexanone
Concen: 430.887 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 536537
Ion Ratio Lower Upper
43 100
58 56.9 28.5 85.5

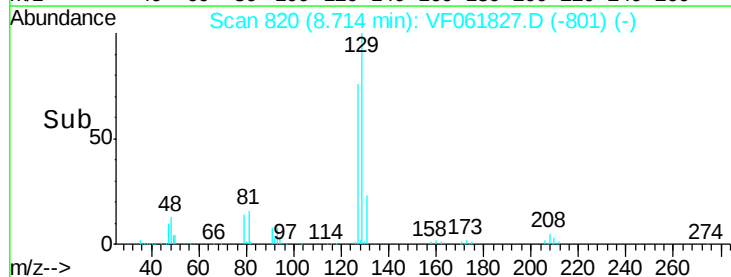
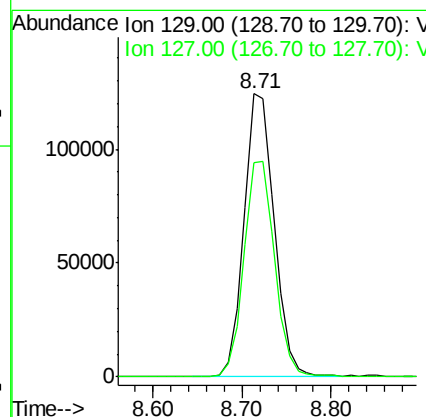
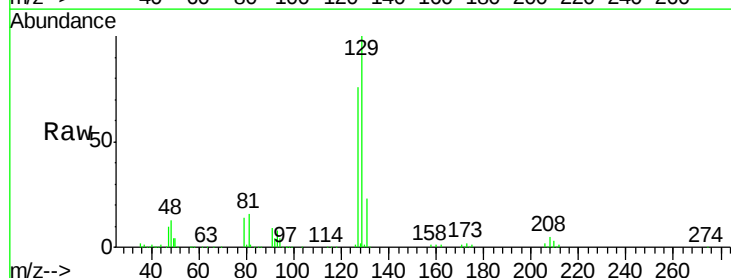
Manual Integrations
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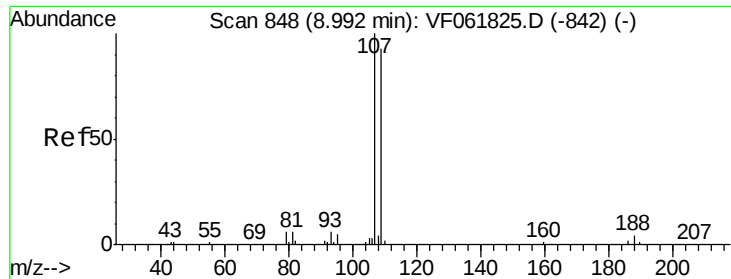
MMDadoda
3/5/2019 10:47:35 AM



#60
Dibromochloromethane
Concen: 99.872 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 129 Resp: 292970
Ion Ratio Lower Upper
129 100
127 75.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 97.691 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 223314

Ion Ratio Lower Upper

107 100

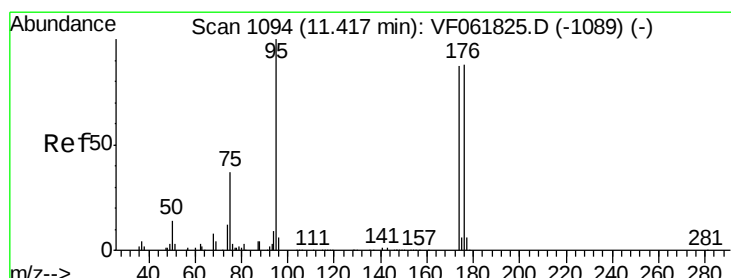
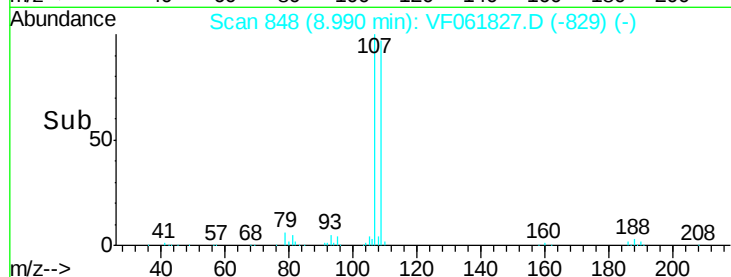
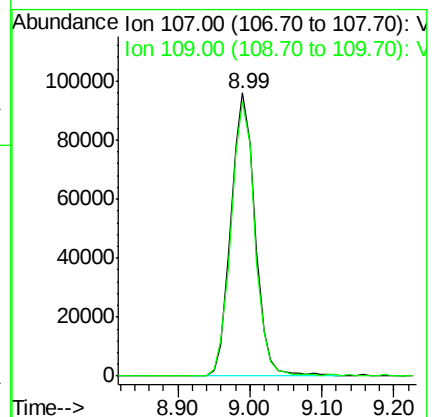
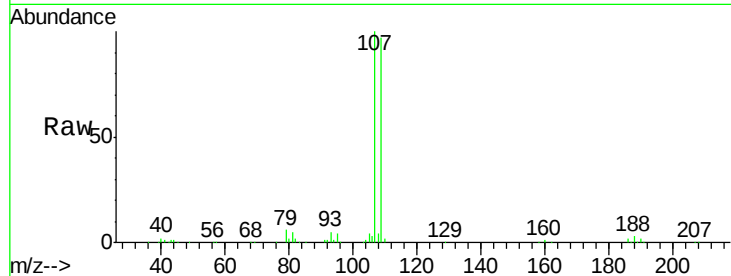
109 96.7 77.4 116.0

Manual Integrations

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MMDadoda

3/5/2019 10:47:35 AM



#62

4-Bromofluorobenzene

Concen: 88.097 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

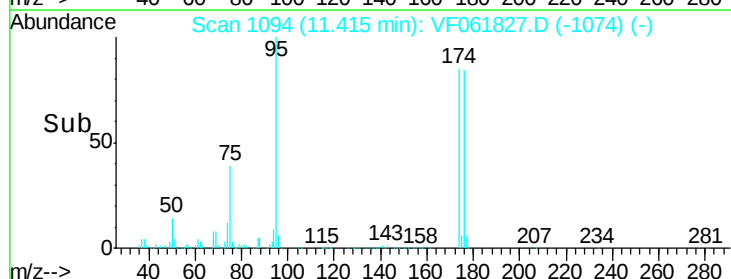
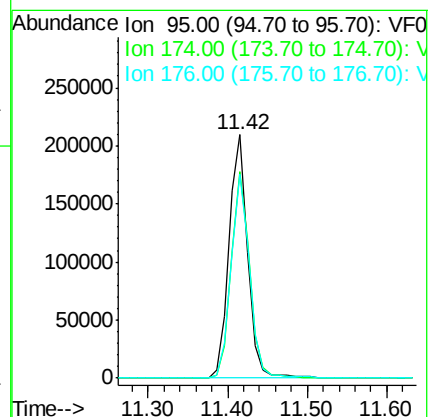
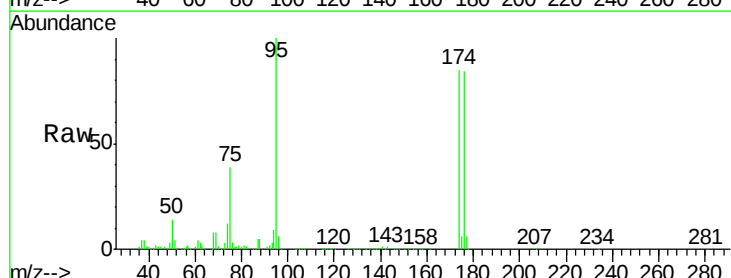
Tgt Ion: 95 Resp: 347348

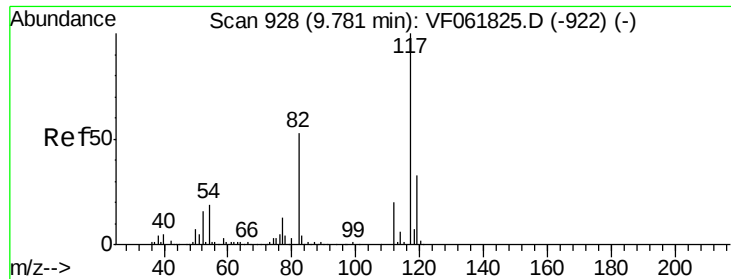
Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

176 83.8 0.0 167.0





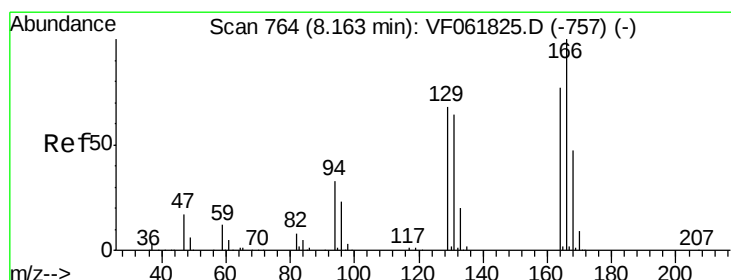
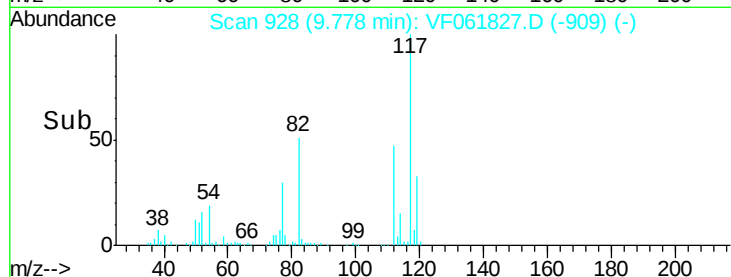
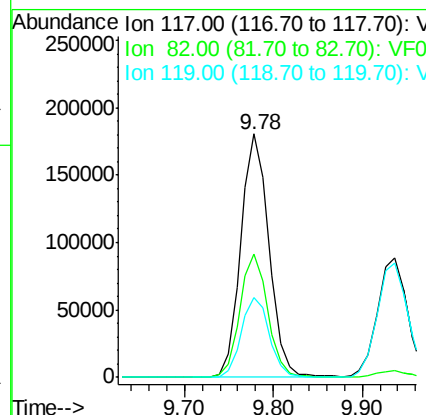
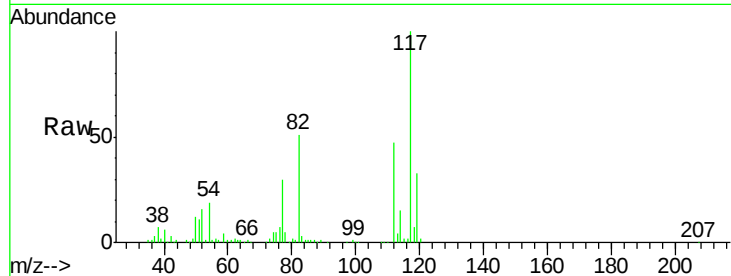
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398386		
82	50.8		39.3	58.9
119	33.0		26.6	40.0

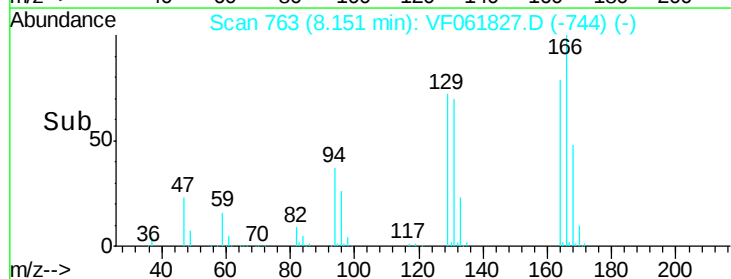
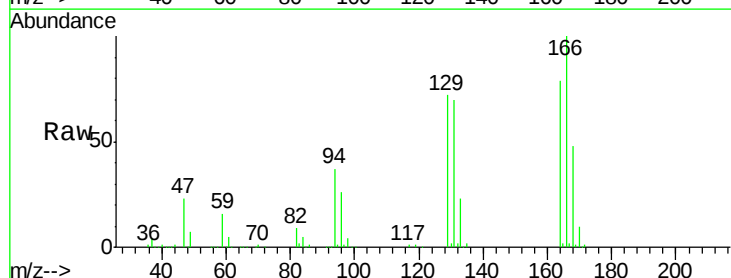
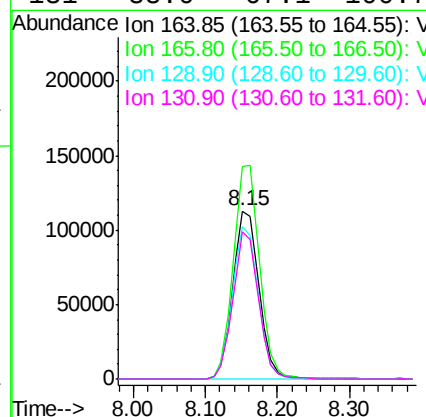
Manual Integrations
APPROVED

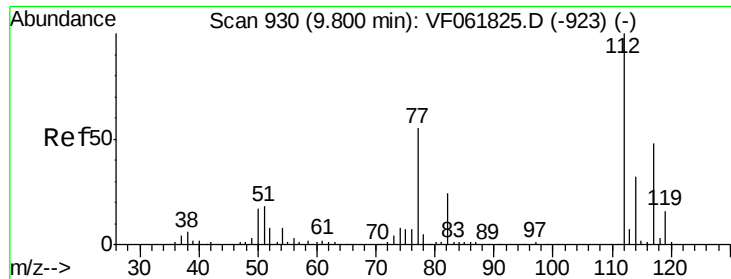
MMDadoda
3/5/2019 10:47:35 AM



#64
Tetrachloroethene
Concen: 87.660 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	285453		
166	126.5		103.9	155.9
129	91.1		71.3	106.9
131	88.0		67.1	100.7





#65

Chlorobenzene

Concen: 91.809 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 742202

Ion Ratio Lower Upper

112 100

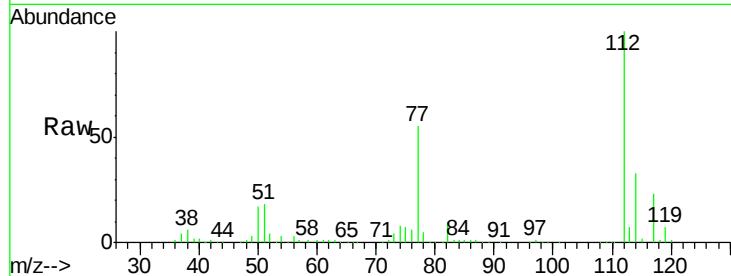
114 33.4 26.2 39.2

Manual Integrations

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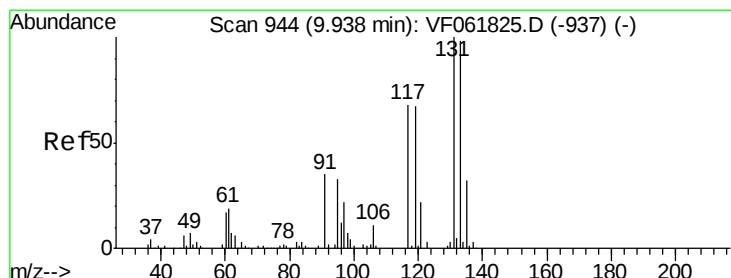
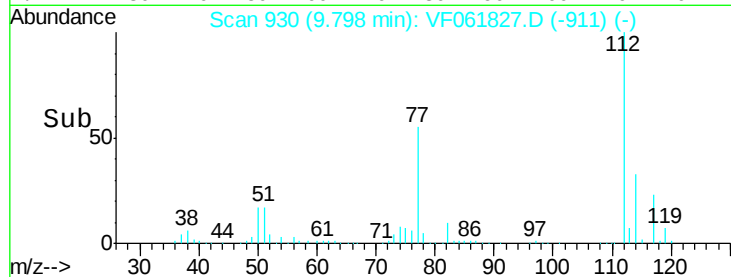
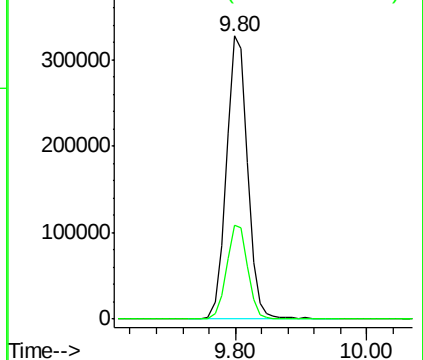
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 92.803 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

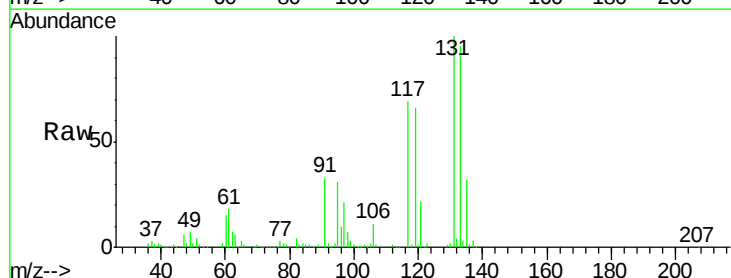
Tgt Ion:131 Resp: 293980

Ion Ratio Lower Upper

131 100

133 95.4 48.9 146.6

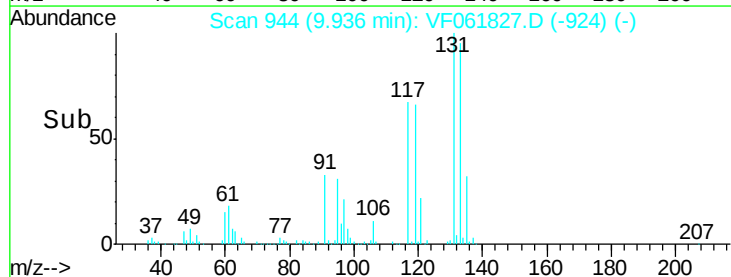
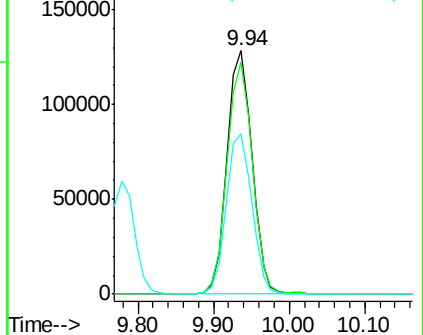
119 66.1 34.8 104.3

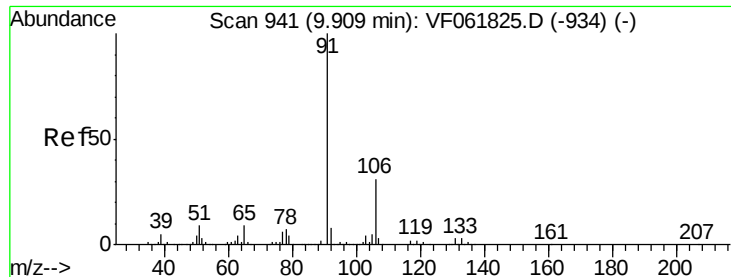


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 87.256 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tot Ion: 91 Resp: 1173062

Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1

Instrument :

MSVOA_F

ClientSampleId :

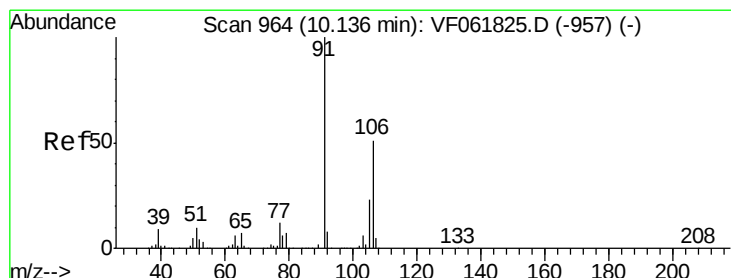
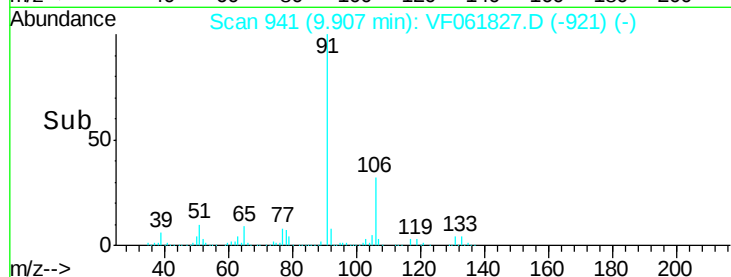
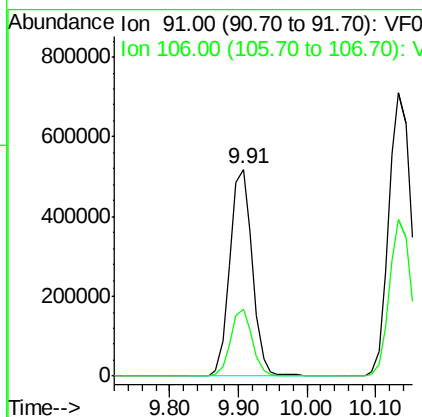
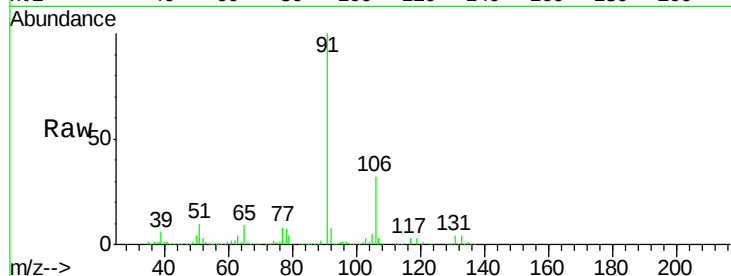
VSTDIC100

Manual Integrations

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3/5/2019 10:47:35 AM



#68

m/p-Xylenes

Concen: 169.769 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061827.D

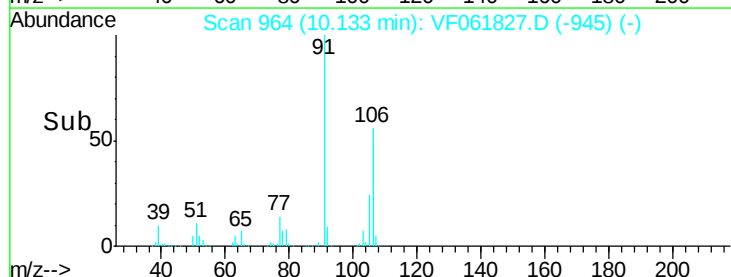
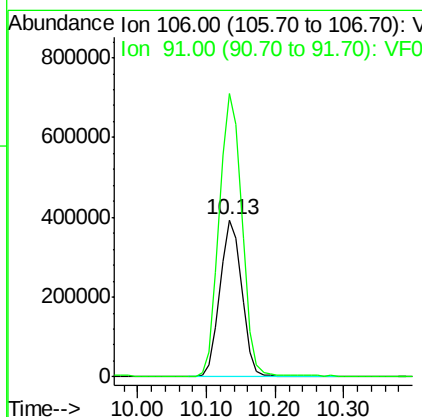
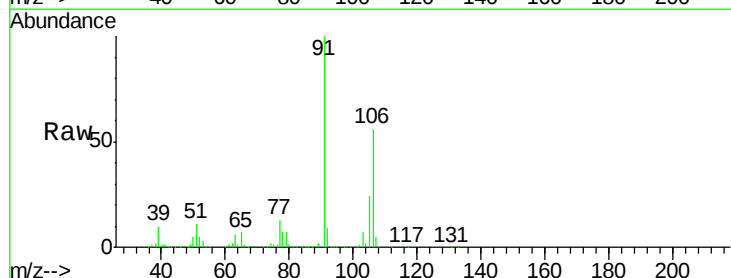
Acq: 4 Mar 2019 18:27

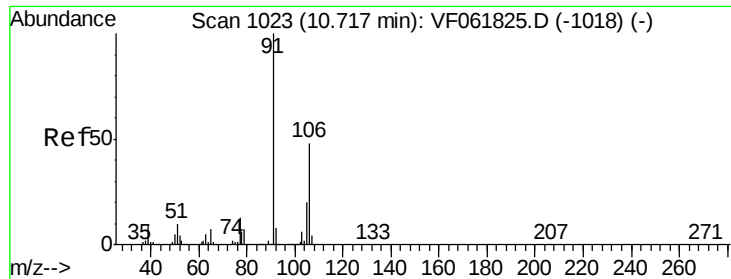
Tgt Ion:106 Resp: 873490

Ion Ratio Lower Upper

106 100

91 180.1 153.0 229.6





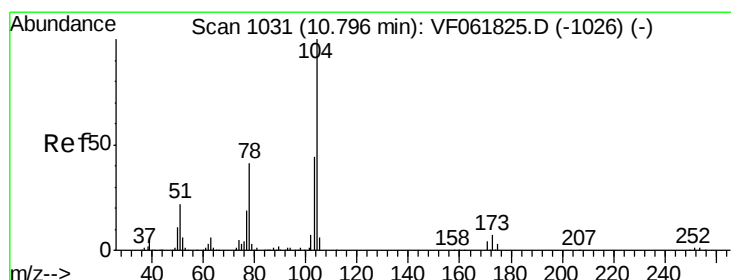
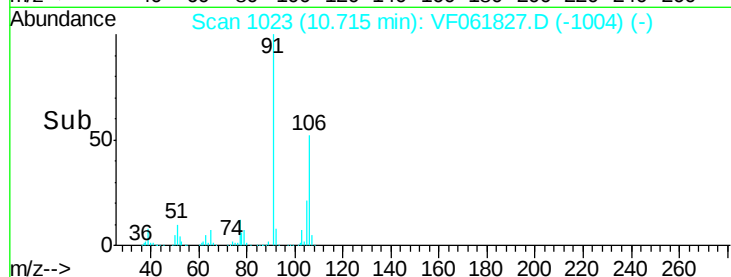
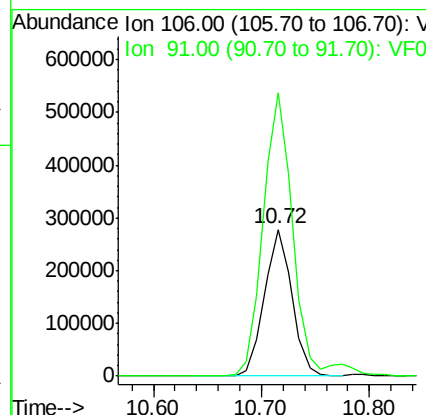
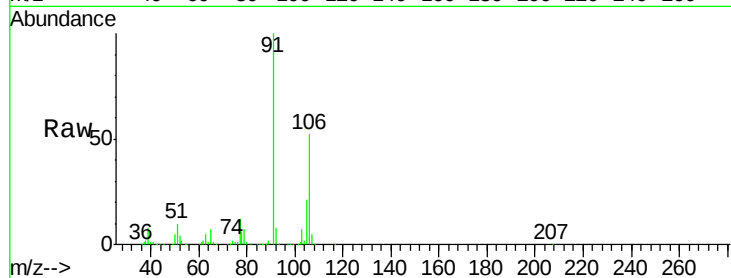
#69
o-Xylene
Concen: 91.003 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
499621	106	100			
	91	192.8	100.1	300.1	

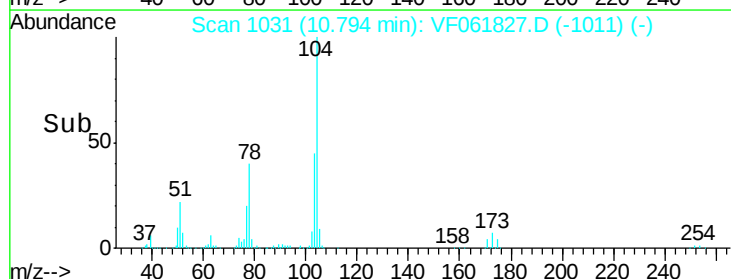
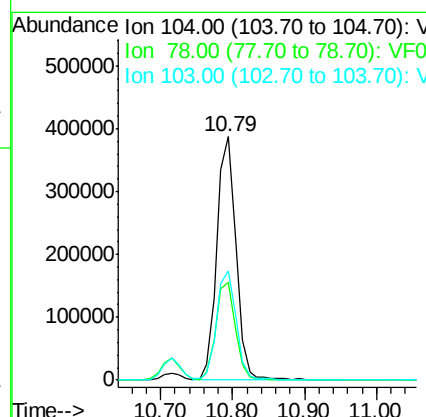
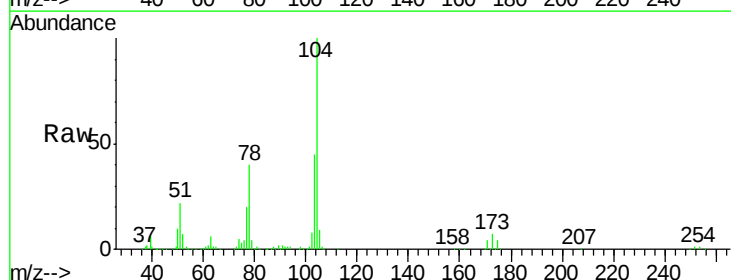
Manual Integrations
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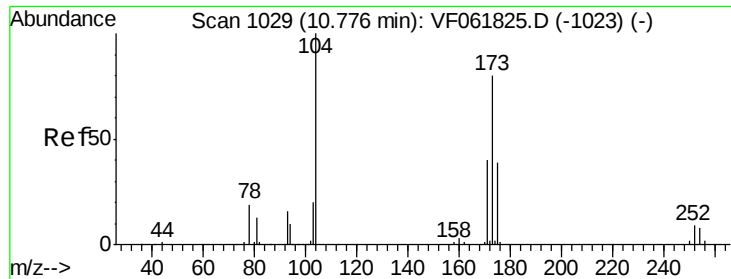
MMDadoda
3/5/2019 10:47:35 AM



#70
Styrene
Concen: 90.881 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
705855	104	100			
	78	39.9	33.2	49.8	
	103	44.9	37.2	55.8	





#71

Bromoform

Concen: 94.433 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

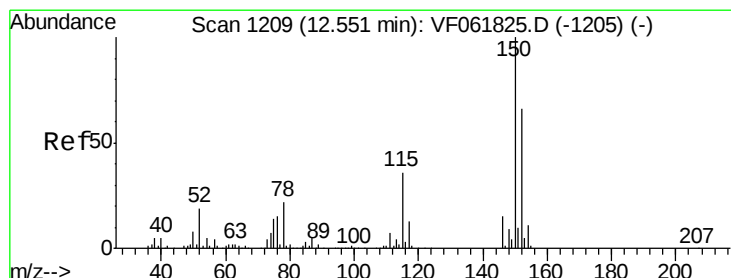
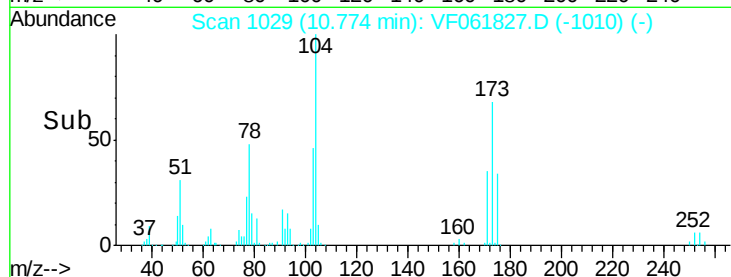
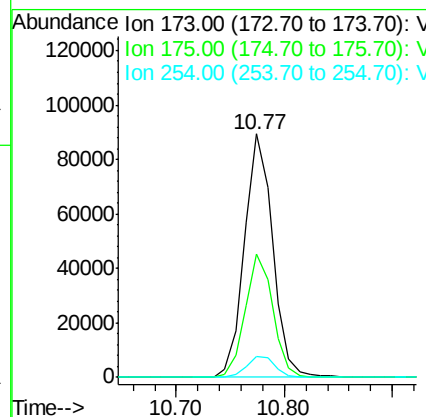
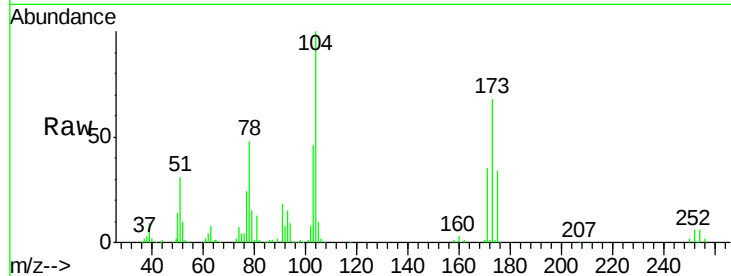
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.0	72.0
254	8.6	8.2	12.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

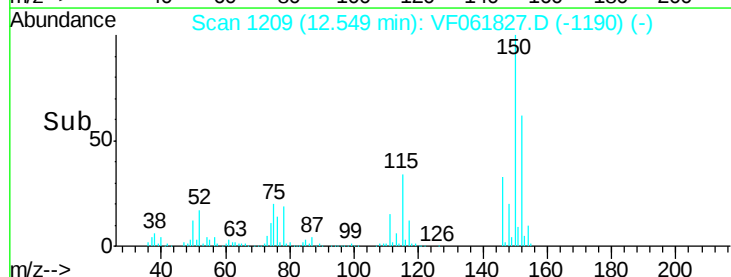
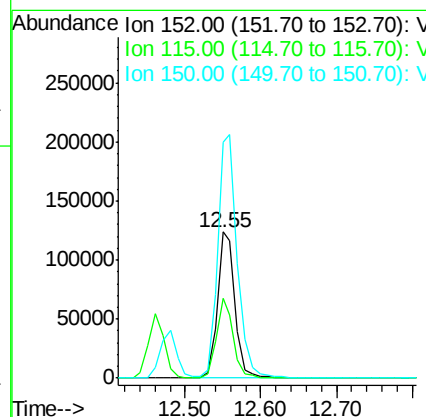
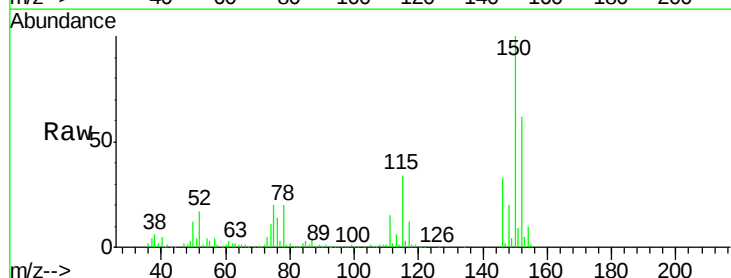
RT: 12.55 min Scan# 1209

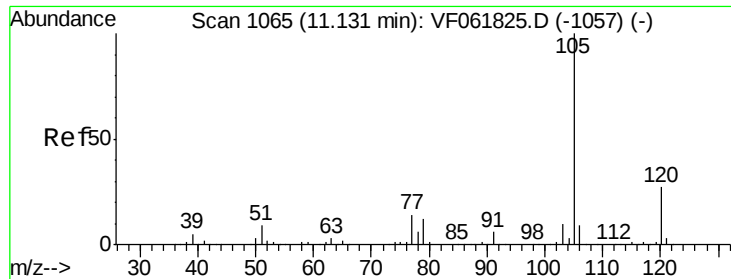
Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	24.3	72.8
150	161.6	0.0	312.0





#73

Isopropylbenzene

Concen: 91.349 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1314443

Ion Ratio Lower Upper

105 100

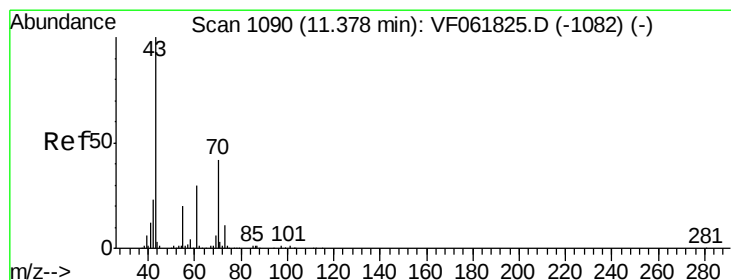
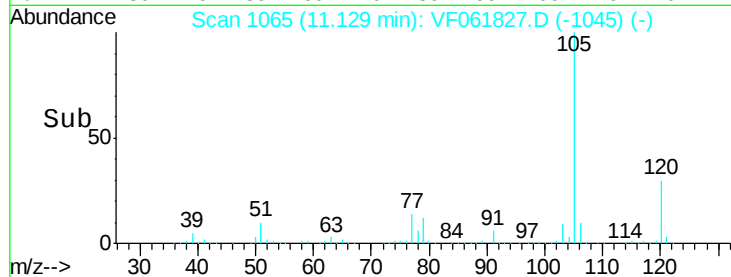
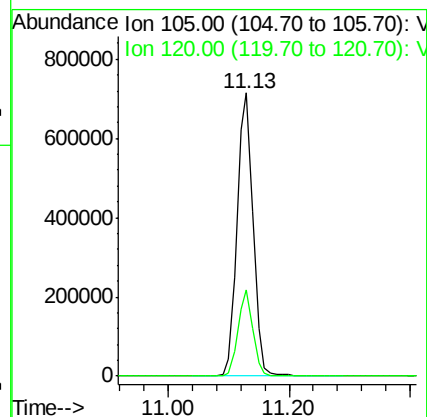
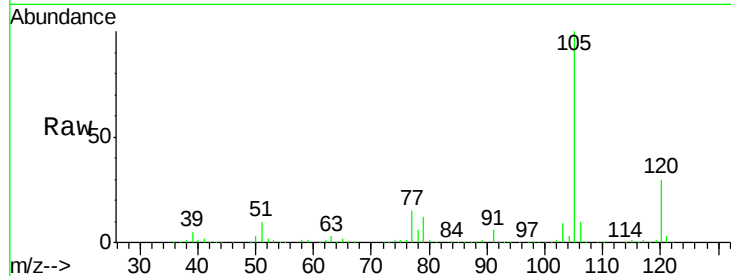
120 30.4 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 97.006 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion: 43 Resp: 335037

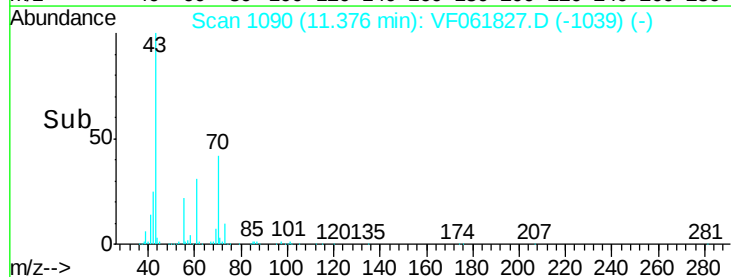
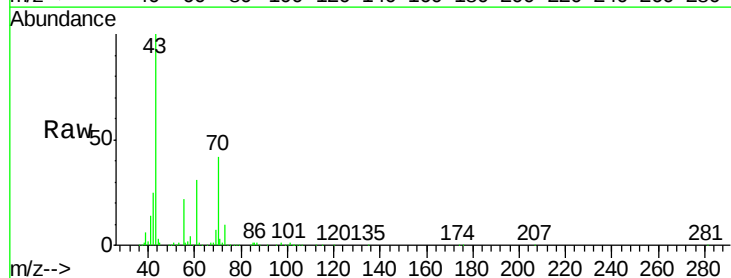
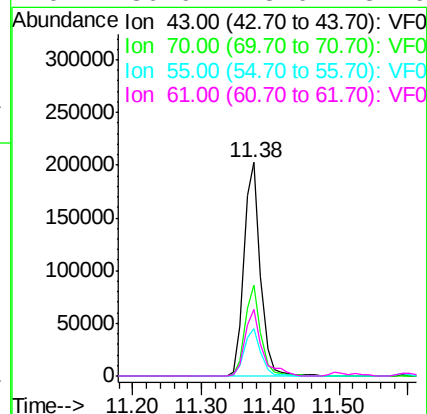
Ion Ratio Lower Upper

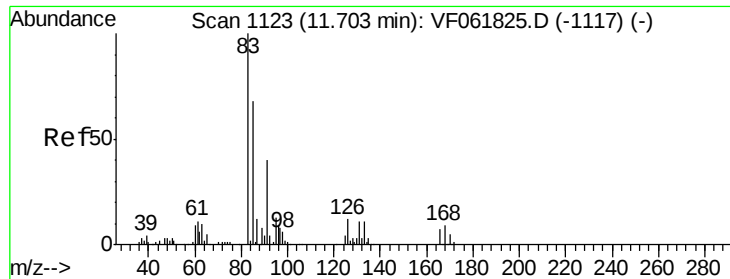
43 100

70 42.3 31.5 47.3

55 22.1 16.7 25.1

61 30.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 96.801 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 249542

Ion Ratio Lower Upper

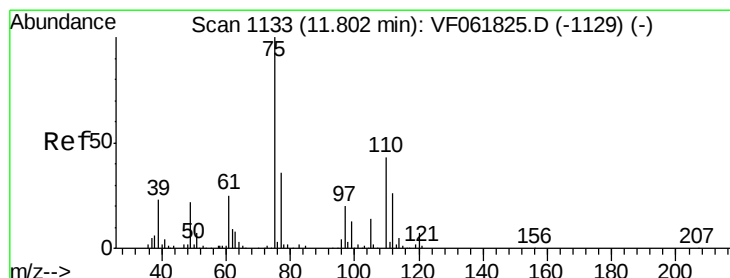
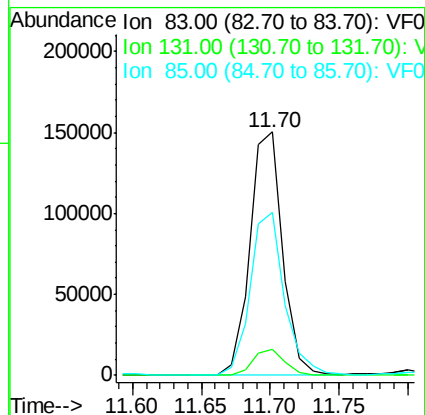
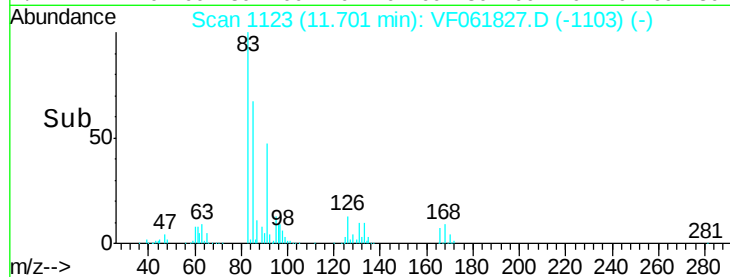
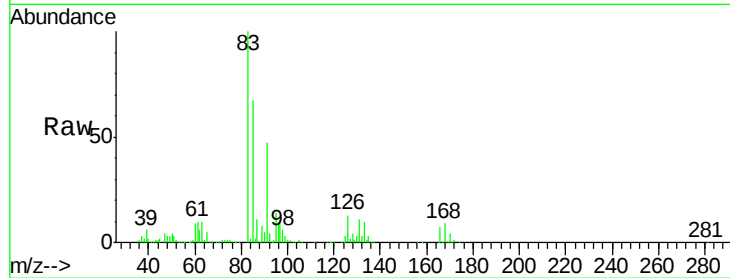
83 100

131 10.9 4.4 13.2

85 66.8 31.5 94.5

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#76

1,2,3-Trichloropropane

Concen: 95.385 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061827.D

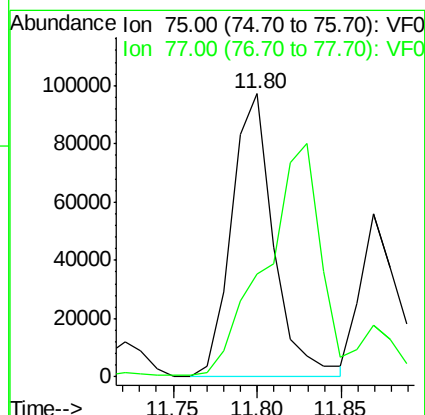
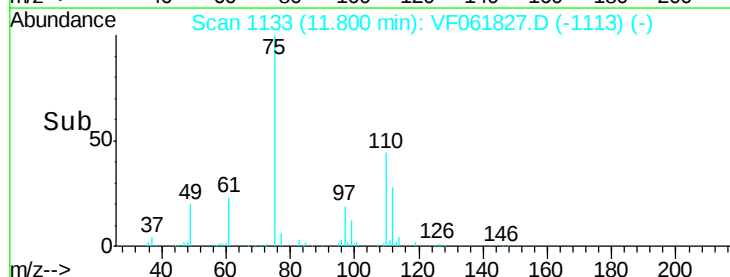
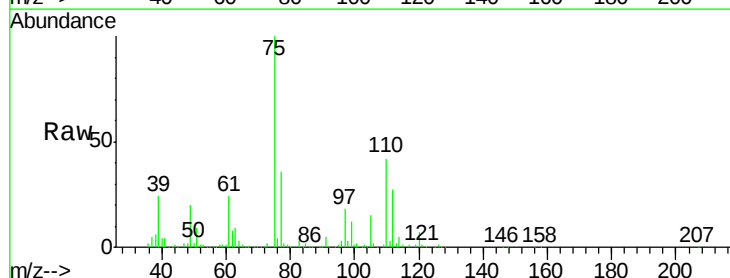
Acq: 4 Mar 2019 18:27

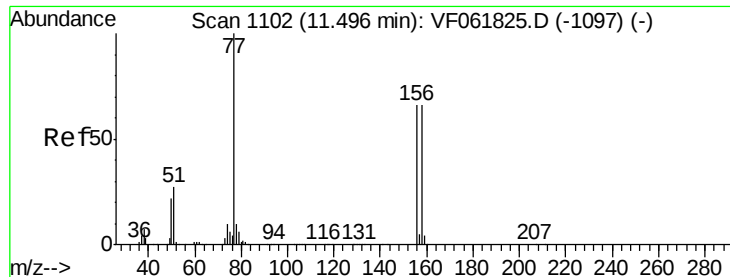
Tgt Ion: 75 Resp: 167179

Ion Ratio Lower Upper

75 100

77 36.2 16.6 49.7





#77

Bromobenzene

Concen: 94.806 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

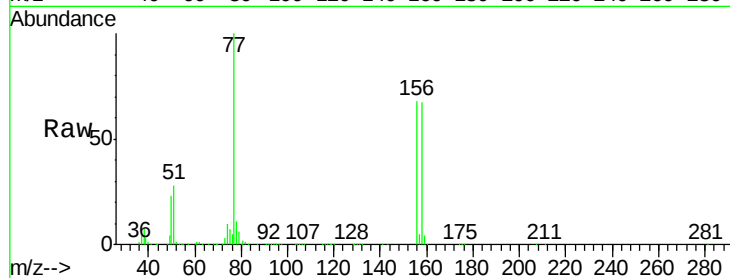
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.0	64.3	192.7
158	98.4	50.9	152.7

Manual Integrations
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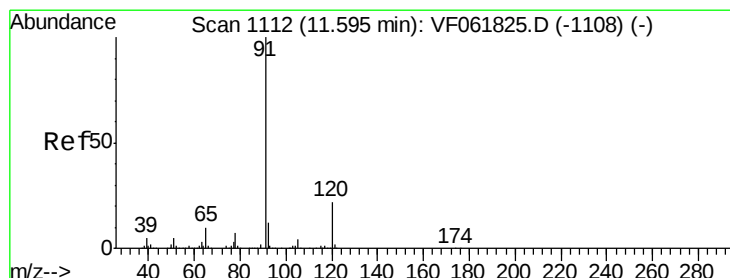
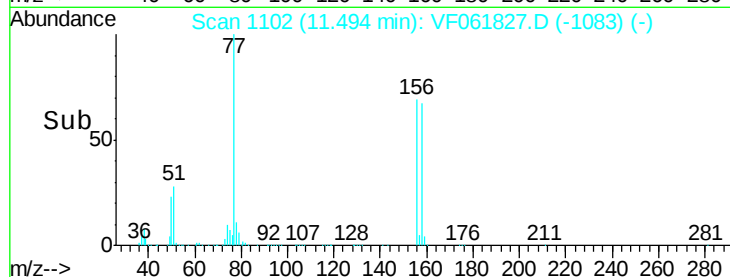
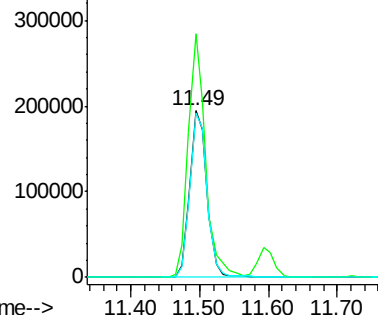
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 87.714 ug/l

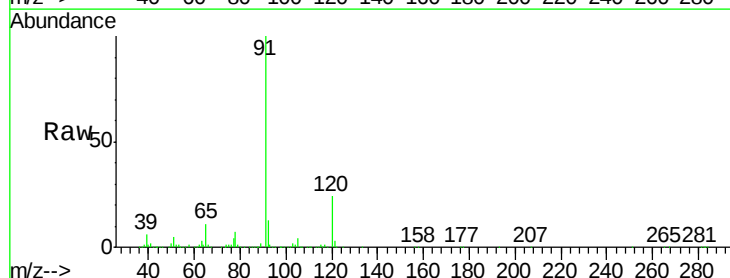
RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061827.D

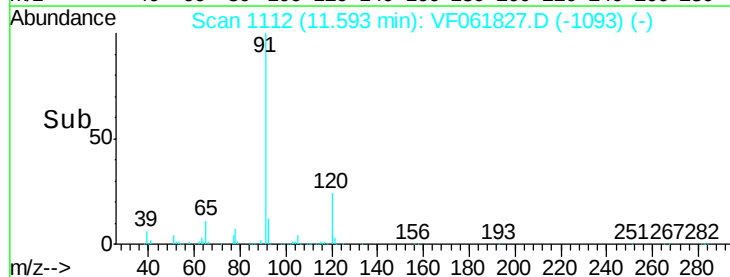
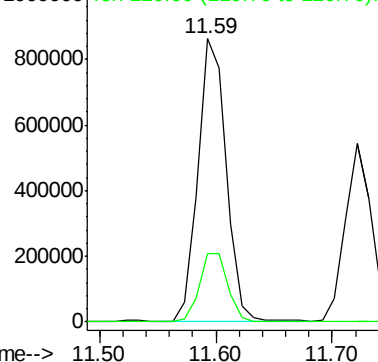
Acq: 4 Mar 2019 18:27

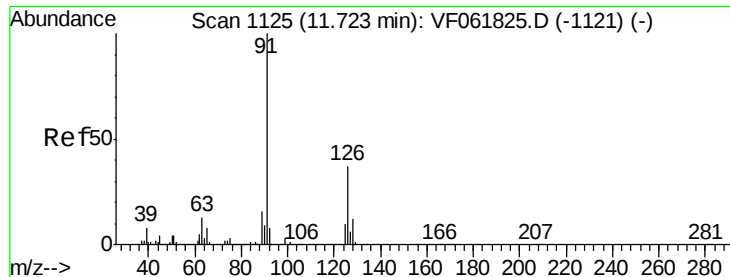
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.881 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 849676

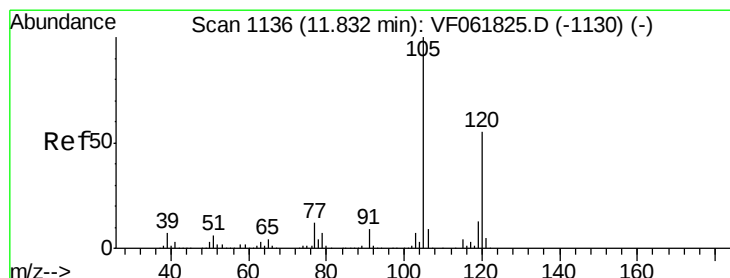
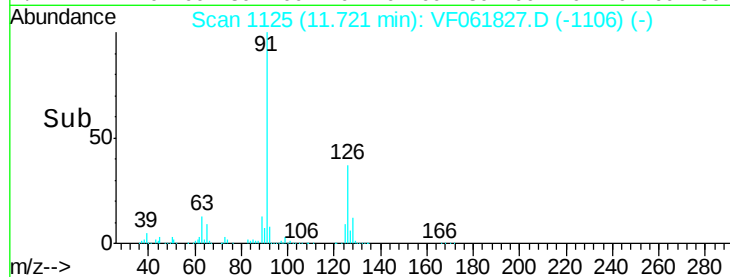
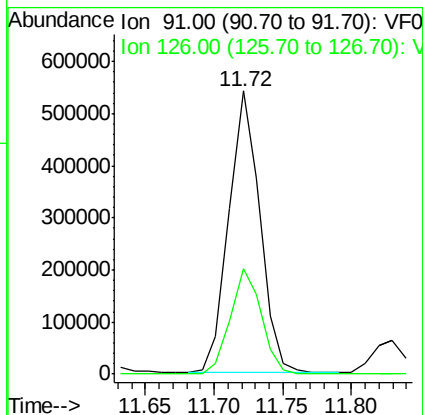
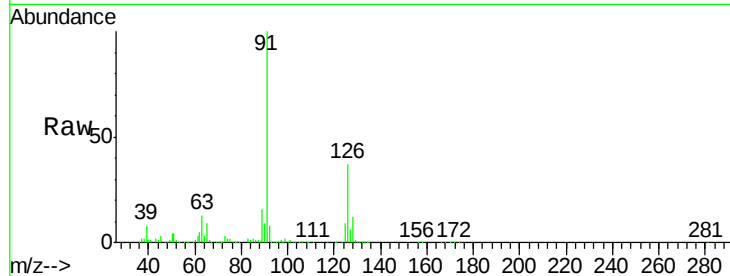
Ion Ratio Lower Upper

91 100

126 37.1 19.8 59.4

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#80

1,3,5-Trimethylbenzene

Concen: 89.874 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061827.D

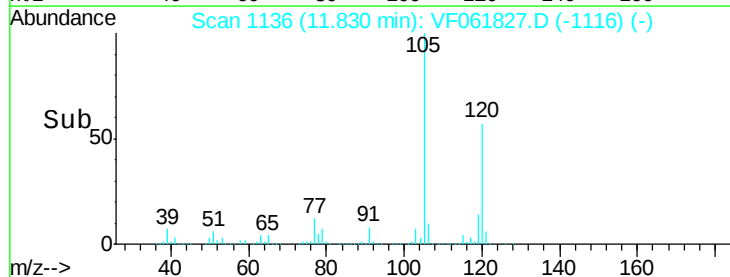
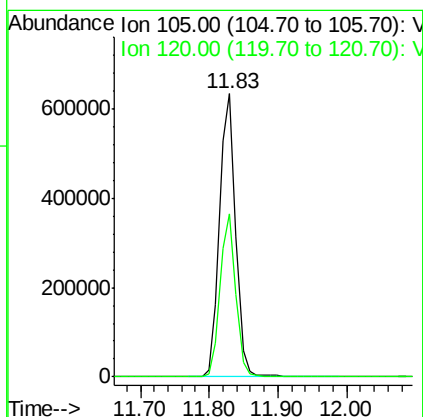
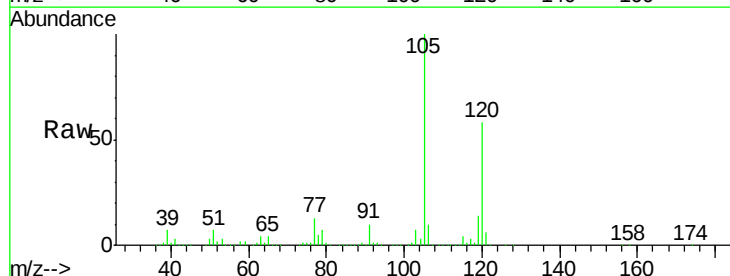
Acq: 4 Mar 2019 18:27

Tgt Ion: 105 Resp: 1033598

Ion Ratio Lower Upper

105 100

120 57.8 27.9 83.6





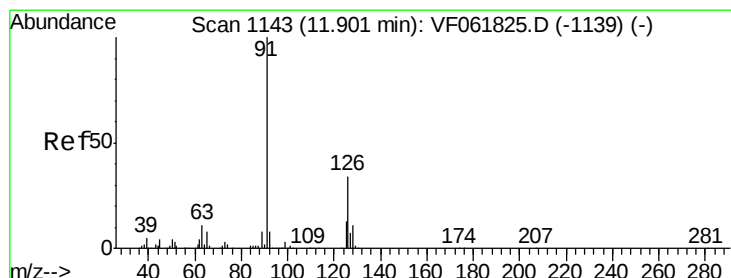
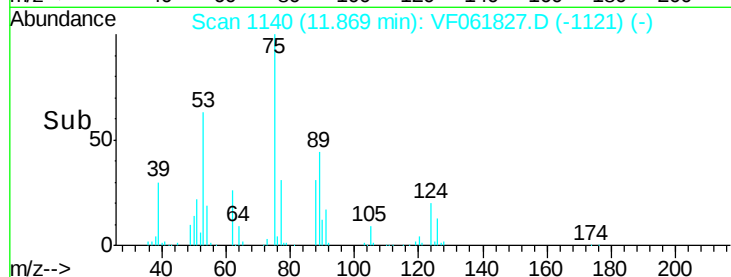
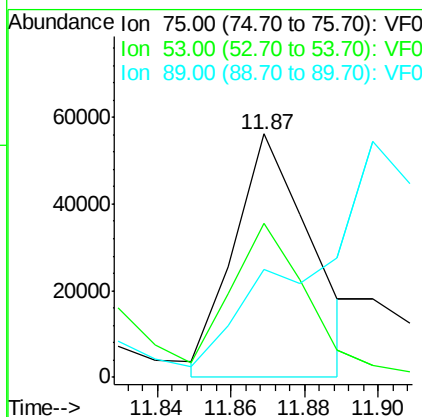
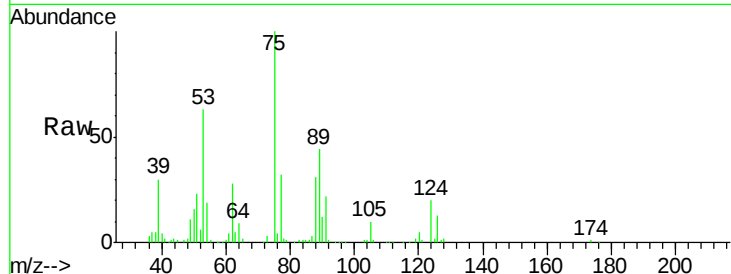
#81
trans-1,4-Dichloro-2-butene
Concen: 96.809 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.3	53.7	80.5
89	44.2	41.6	62.4

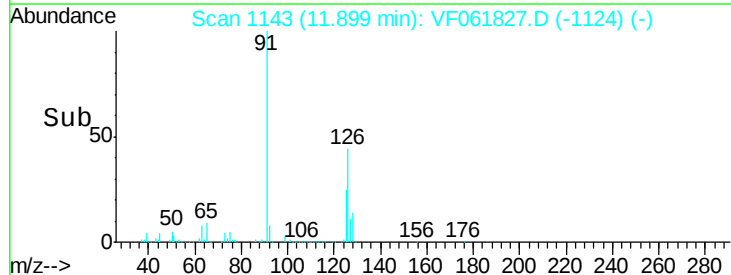
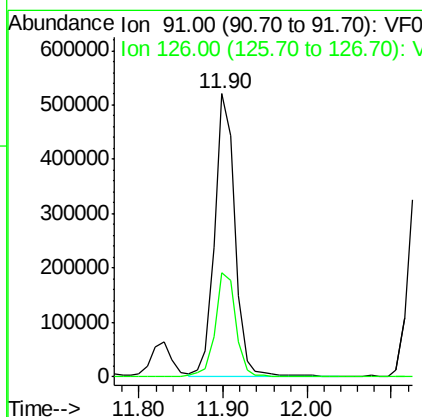
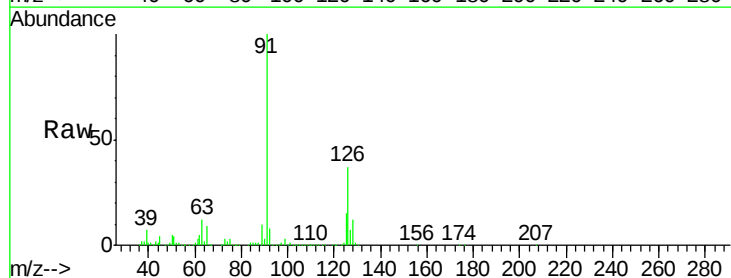
Manual Integrations
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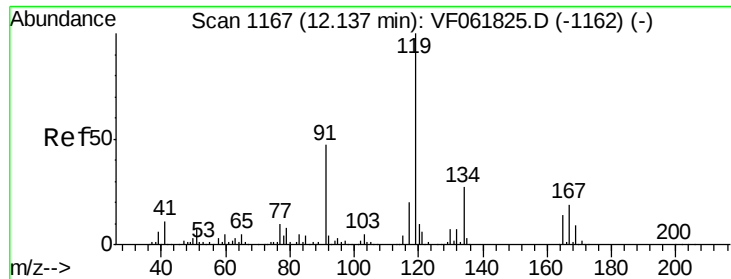
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#82
4-Chlorotoluene
Concen: 89.921 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.9	19.1	57.1





#83

tert-Butylbenzene

Concen: 87.027 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1108551

Ion Ratio Lower Upper

119 100

91 54.3 26.3 78.8

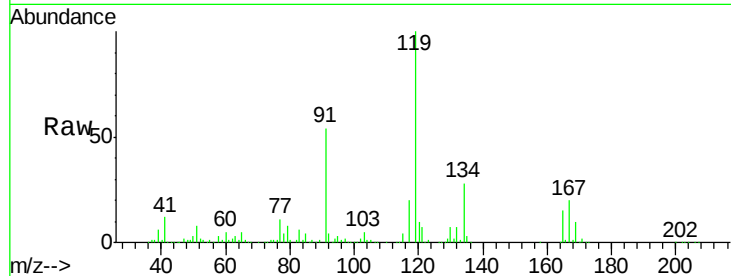
134 28.0 12.9 38.7

Manual Integrations

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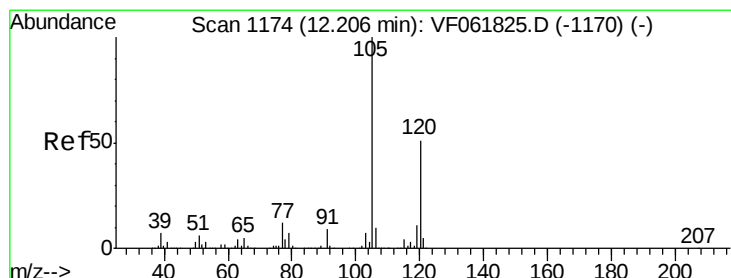
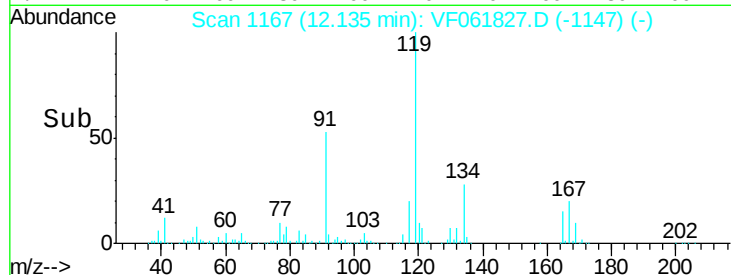
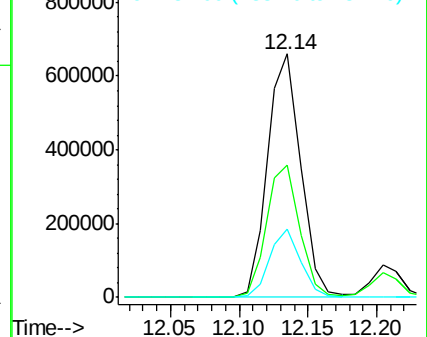
3/5/2019 10:47:35 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 87.644 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061827.D

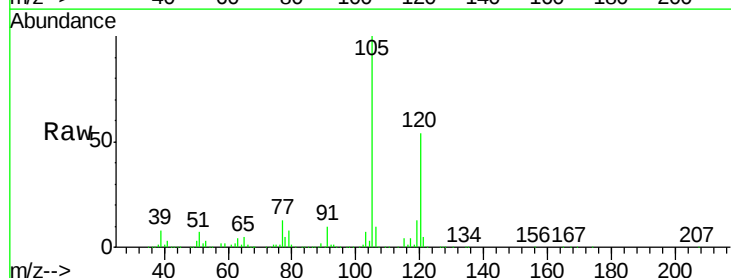
Acq: 4 Mar 2019 18:27

Tgt Ion:105 Resp: 1001377

Ion Ratio Lower Upper

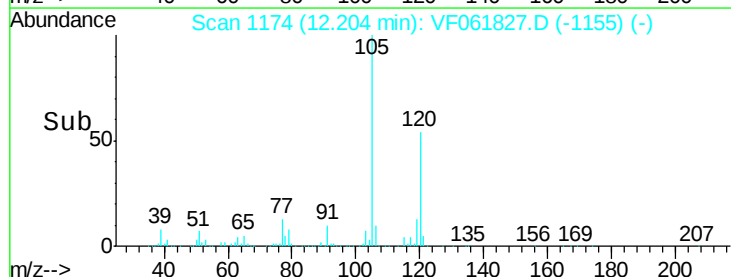
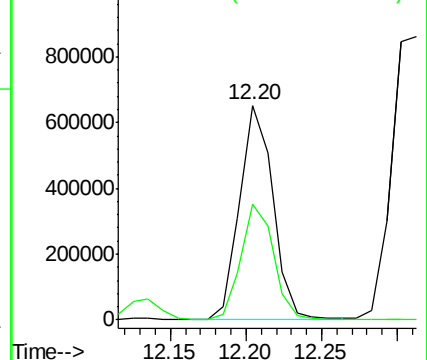
105 100

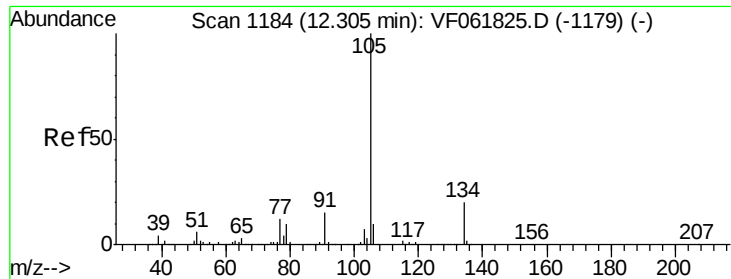
120 53.9 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 88.375 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1455729

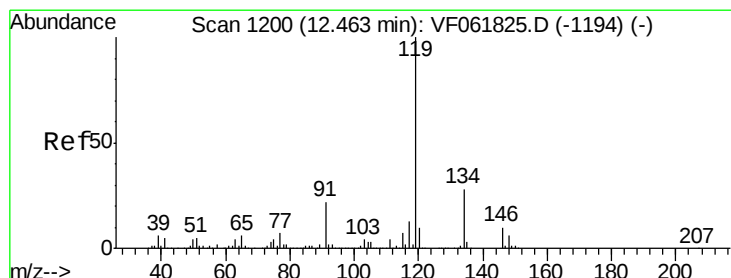
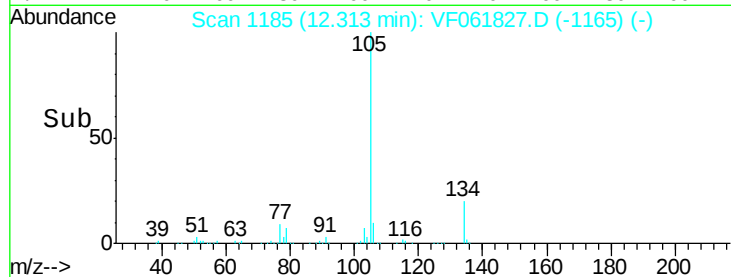
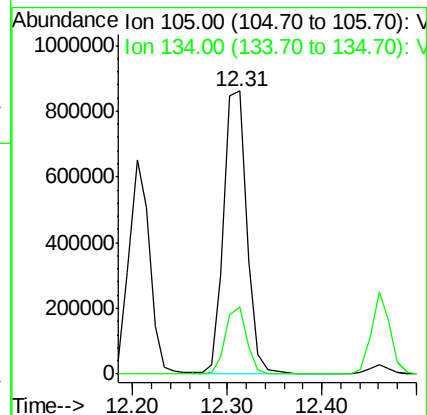
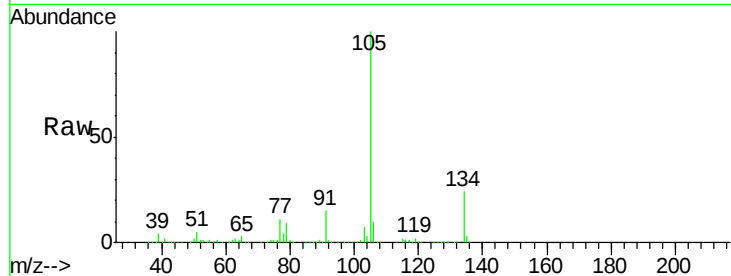
Ion Ratio Lower Upper

105 100

134 23.9 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 88.427 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

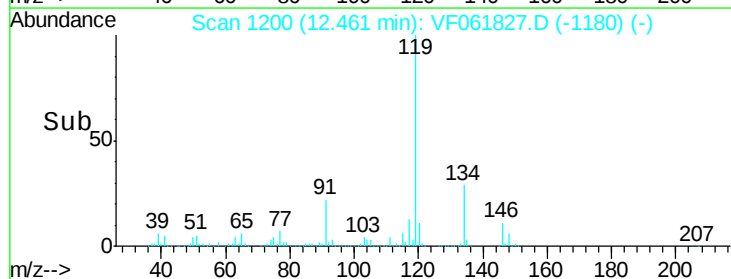
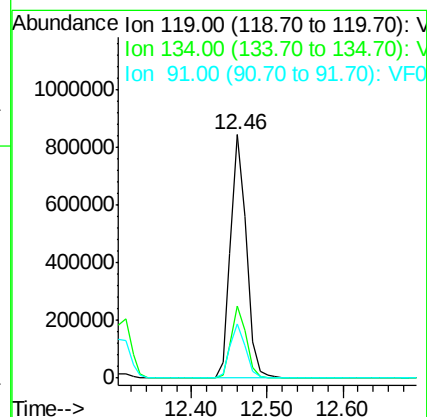
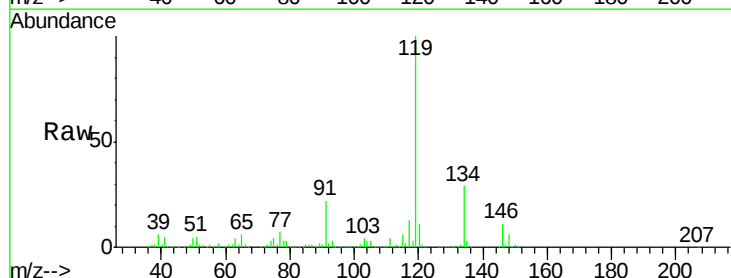
Tgt Ion:119 Resp: 1222432

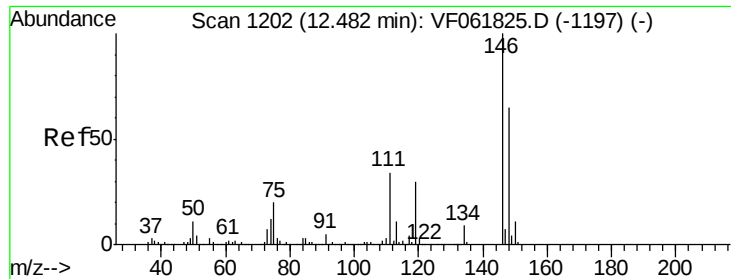
Ion Ratio Lower Upper

119 100

134 29.5 13.7 41.1

91 22.3 10.8 32.4





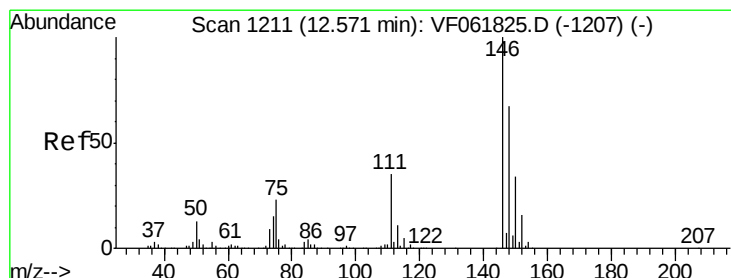
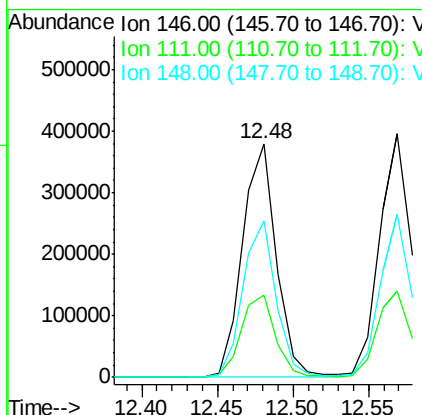
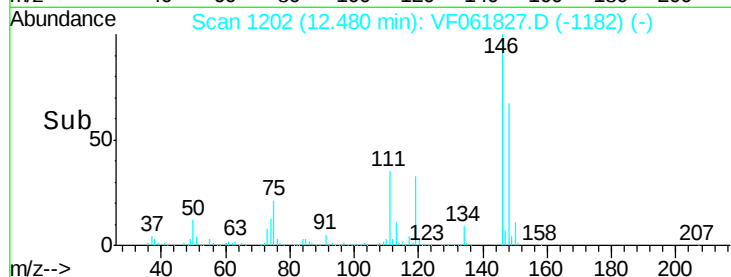
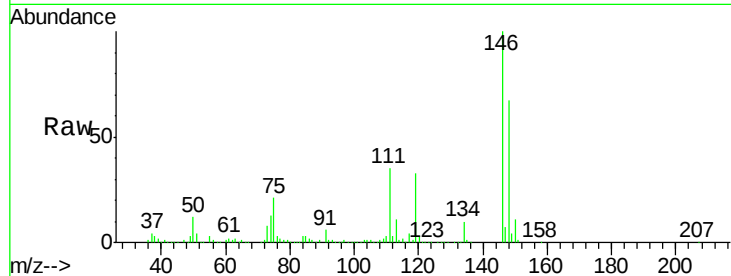
#87
 1,3-Dichlorobenzene
 Concen: 85.811 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.5	52.6
148	67.0	31.4	94.3

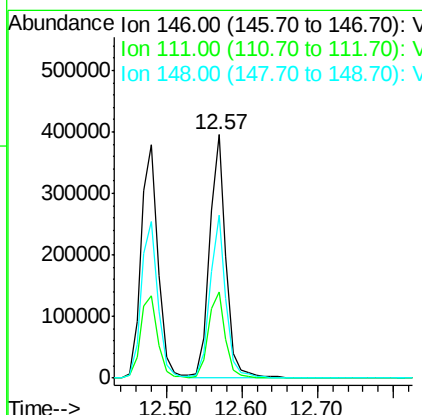
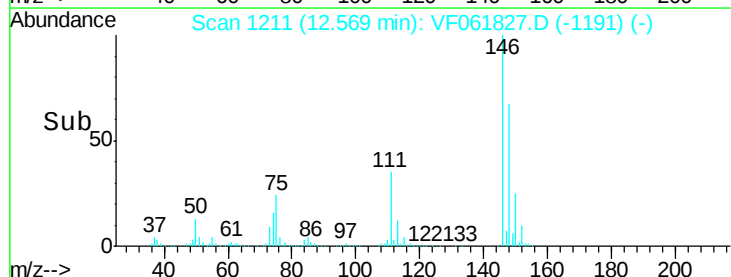
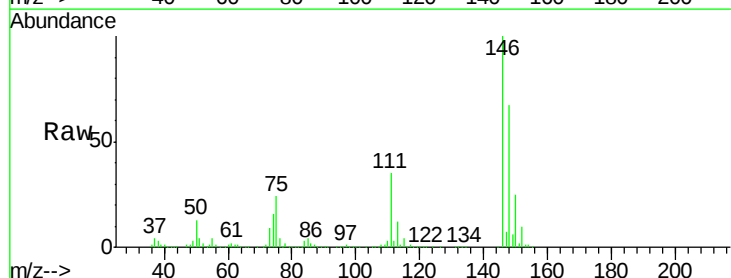
Manual Integrations
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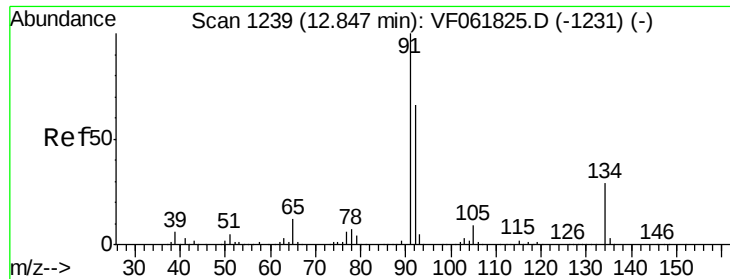
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#88
 1,4-Dichlorobenzene
 Concen: 89.780 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.4	55.4
148	66.9	32.2	96.6





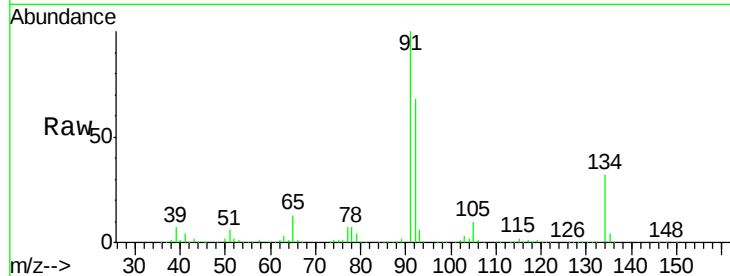
#89
n-Butylbenzene
Concen: 86.591 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

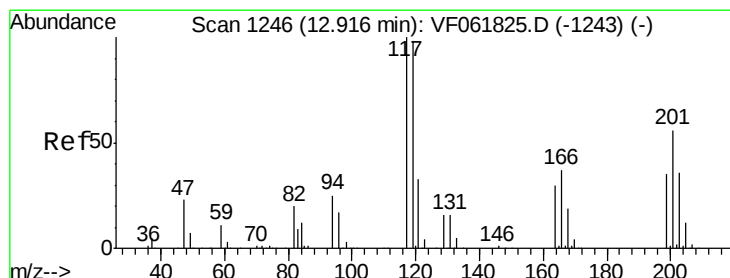
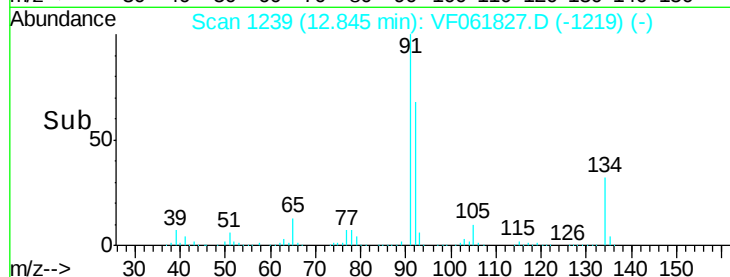
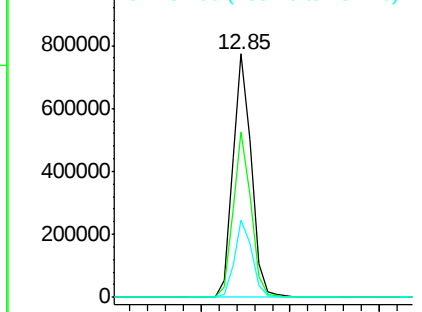
Tot Ion: 91 Resp: 1130354
Ion Ratio Lower Upper
91 100
92 67.9 31.4 94.3
134 31.6 12.3 36.9

Manual Integrations
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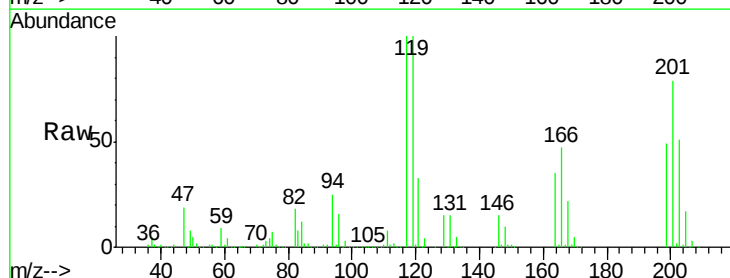


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

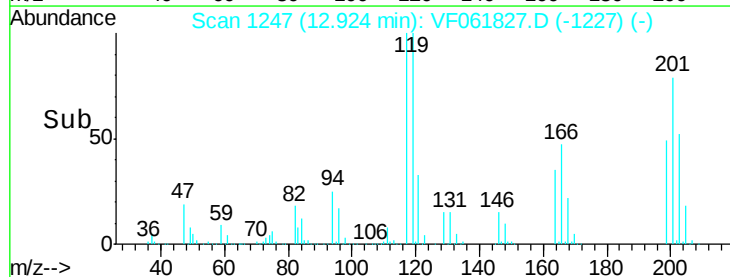
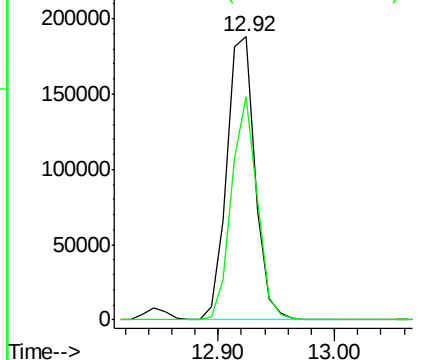


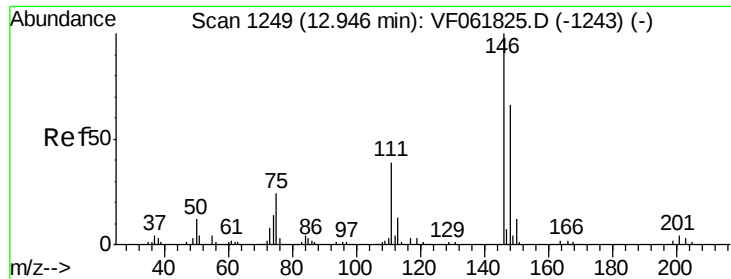
#90
Hexachloroethane
Concen: 98.753 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 117 Resp: 317507
Ion Ratio Lower Upper
117 100
201 78.7 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





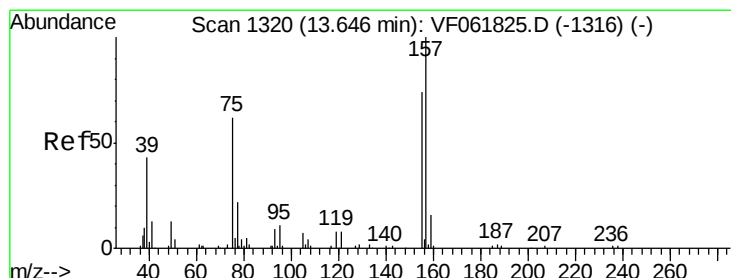
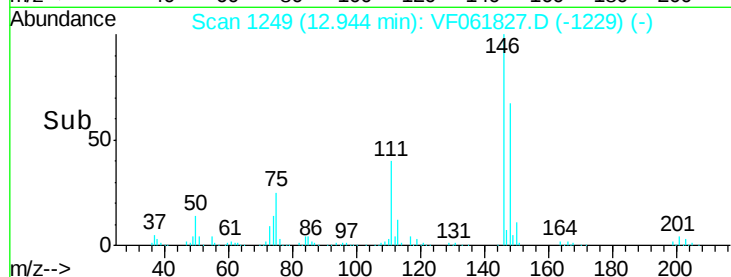
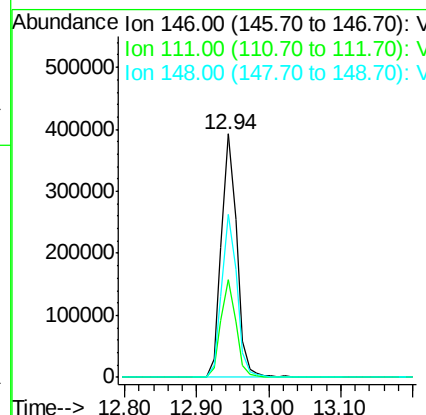
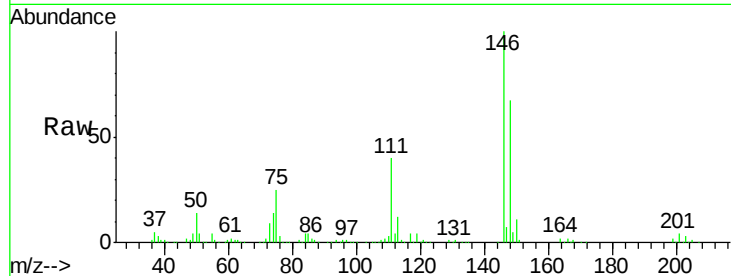
#91
 1,2-Dichlorobenzene
 Concen: 87.512 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	66.7	32.3	96.9

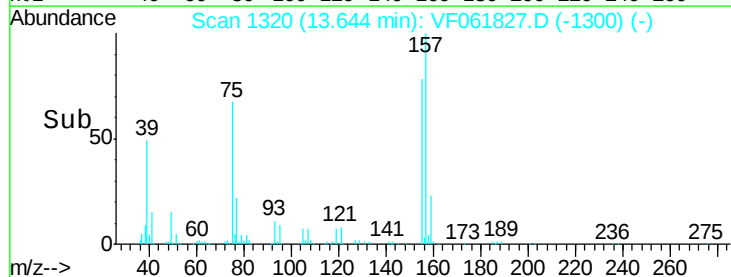
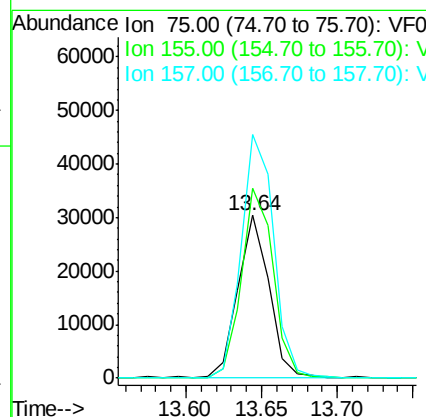
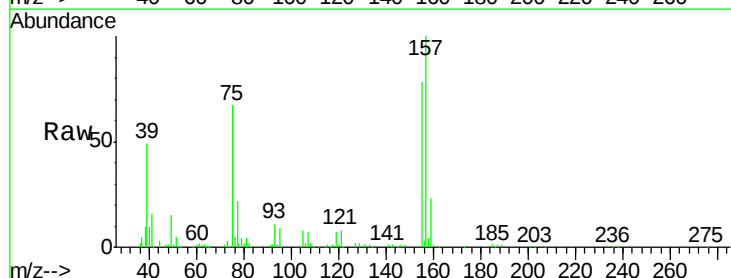
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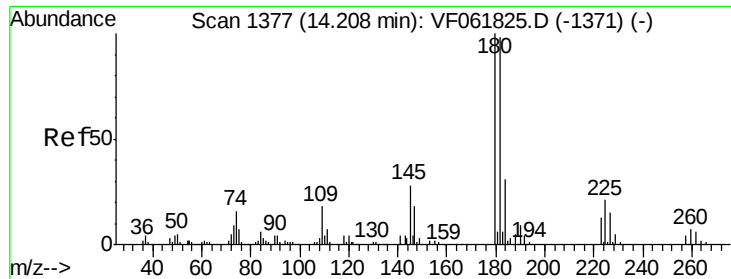
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 106.802 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.5	48.9	146.8
157	149.6	58.3	174.8





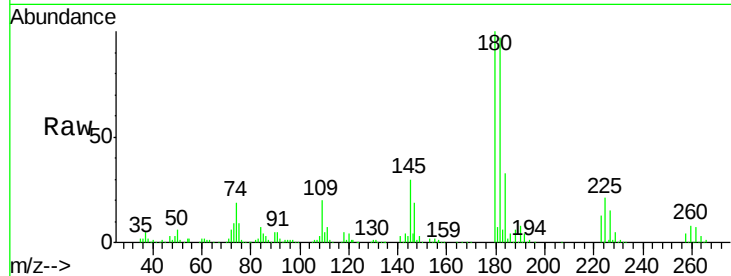
#93
 1,2,4-Trichlorobenzene
 Concen: 85.977 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

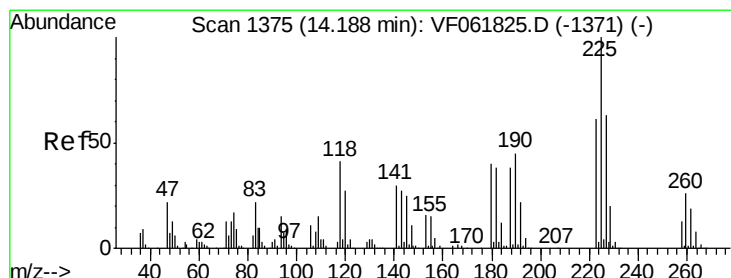
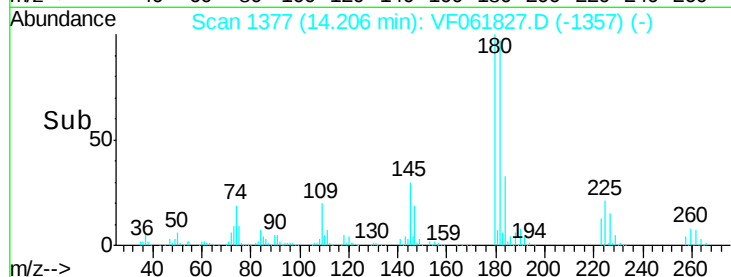
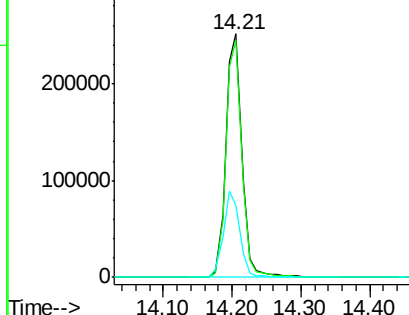
Tot Ion	Ratio	Resp	Lower	Upper
180	100	406218		
182	97.2	48.6	145.9	
145	29.8	15.3	45.9	

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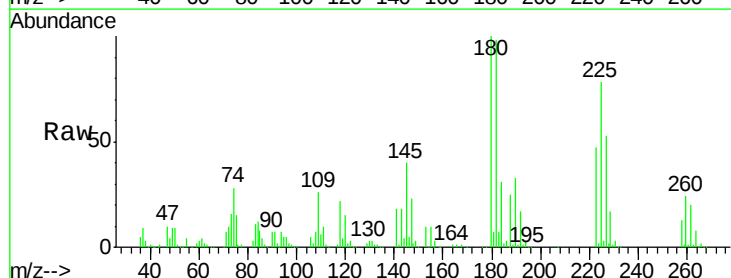


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

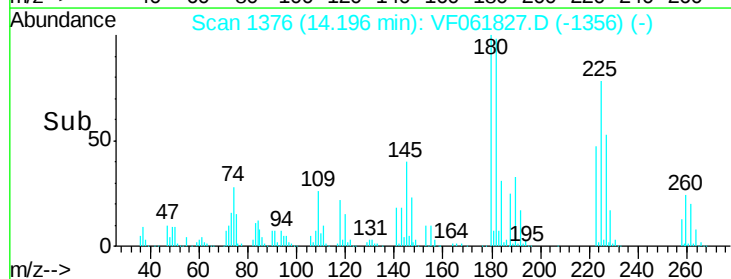
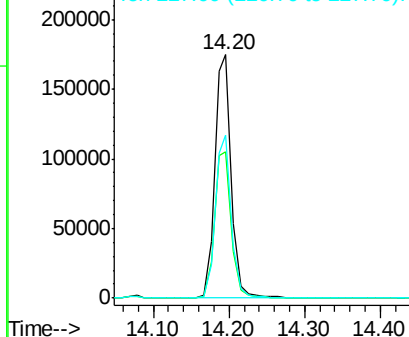


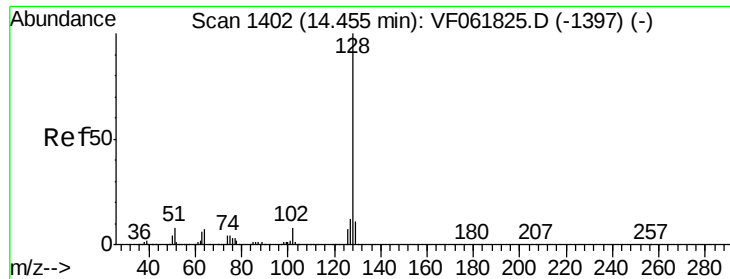
#94
 Hexachlorobutadiene
 Concen: 92.168 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268945		
223	60.3	30.9	92.7	
227	67.2	32.1	96.3	



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





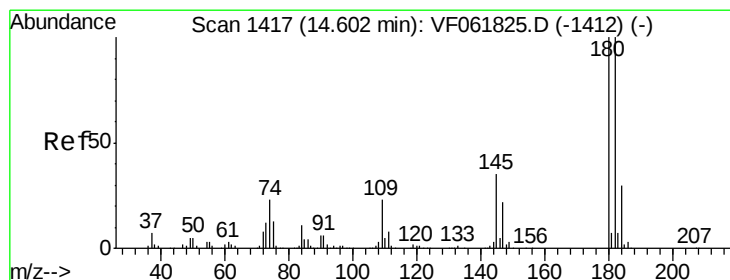
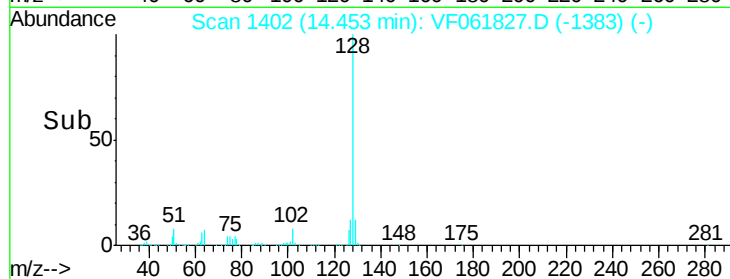
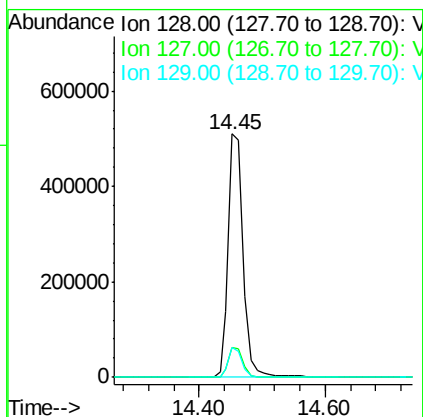
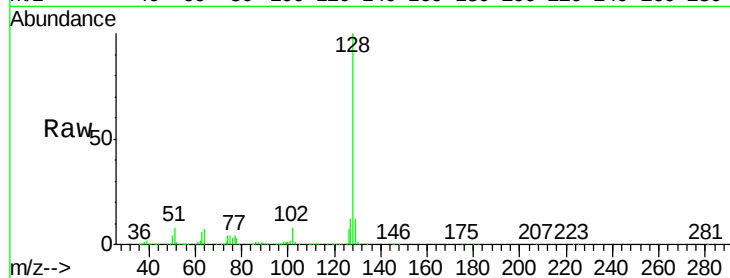
#95
Naphthalene
Concen: 100.936 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	12.1	9.4	14.2

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#96
1,2,3-Trichlorobenzene
Concen: 93.741 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	49.0	147.2
145	33.1	15.4	46.1

