

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061743.D
 Acq On : 26 Feb 2019 15:37
 Operator : VA/AP
 Sample : VF0226SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 3:19:22 PM

Quant Time: Feb 27 04:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	310818	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	475489	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	406573	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	231056	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	125152	54.91	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	109.82%	
35) Dibromofluoromethane	4.09	113	182499	51.68	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.36%	
50) Toluene-d8	7.53	98	533621	52.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.40	95	208094	50.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	89543	25.086	ug/l	94
3) Chloromethane	1.10	50	85758	22.899	ug/l	98
4) Vinyl Chloride	1.13	62	81038	23.276	ug/l	91
5) Bromomethane	1.32	94	53944	22.513	ug/l	94
6) Chloroethane	1.39	64	40038	23.336	ug/l	97
7) Trichlorofluoromethane	1.48	101	98063m	23.353	ug/l	
8) Diethyl Ether	1.62	74	21448	20.268	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	67662	22.336	ug/l	90
10) Methyl Iodide	1.90	142	131385m	22.705	ug/l	
11) Tert butyl alcohol	2.57	59	13283	100.697	ug/l #	80
12) 1,1-Dichloroethene	1.79	96	60948	22.883	ug/l	96
13) Acrolein	1.99	56	15243	91.943	ug/l	99
14) Allyl chloride	2.09	41	71019	21.730	ug/l	98
15) Acrylonitrile	2.93	53	42084	89.944	ug/l #	79
16) Acetone	2.23	43	56624	115.788	ug/l	94
17) Carbon Disulfide	1.83	76	186183m	22.239	ug/l	
18) Methyl Acetate	2.33	43	28447m	25.822	ug/l	
19) Methyl tert-butyl Ether	2.41	73	98254	21.585	ug/l	97
20) Methylene Chloride	2.17	84	62486m	22.457	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	61078	21.095	ug/l	96
22) Diisopropyl ether	2.79	45	158531	20.207	ug/l	96
23) Vinyl Acetate	3.17	43	368946	96.284	ug/l	100
24) 1,1-Dichloroethane	2.86	63	97004	20.432	ug/l	99
25) 2-Butanone	4.31	43	106617	99.810	ug/l	99
26) 2,2-Dichloropropane	3.58	77	46546	23.145	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	78835	20.744	ug/l	97
28) Bromochloromethane	3.70	49	45578	20.008	ug/l	92
29) Tetrahydrofuran	4.05	42	44911	92.504	ug/l	95
30) Chloroform	3.84	83	119639	22.159	ug/l	100
31) Cyclohexane	3.67	56	105766m	20.579	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	69504	19.652	ug/l	97
36) 1,1-Dichloropropene	4.25	75	101637	21.578	ug/l	91
37) Ethyl Acetate	4.09	43	38316	17.513	ug/l #	76
38) Carbon Tetrachloride	3.96	117	69609	21.402	ug/l	98

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Quant Time: Feb 27 04:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	108501	19.477	ug/l	100
40) Benzene	4.61	78	254776	20.679	ug/l	100
41) Methacrylonitrile	4.72	41	21402	19.129	ug/l	90
42) 1,2-Dichloroethane	4.92	62	59527	20.198	ug/l	95
43) Isopropyl Acetate	6.94	43	45048	17.395	ug/l #	92
44) Trichloroethene	5.48	130	84140	21.118	ug/l	97
45) 1,2-Dichloropropane	6.21	63	61019	20.489	ug/l	99
46) Dibromomethane	6.06	93	36112	19.694	ug/l	95
47) Bromodichloromethane	6.36	83	83114	20.699	ug/l	98
48) Methyl methacrylate	6.69	41	28656	18.387	ug/l #	83
49) 1,4-Dioxane	6.68	88	5868	400.540	ug/l	87
51) 4-Methyl-2-Pentanone	8.23	43	171717	92.799	ug/l	99
52) Toluene	7.60	92	155589	20.822	ug/l	100
53) t-1,3-Dichloropropene	8.25	75	69213	20.711	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	100061	22.479	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	42399	19.313	ug/l	98
56) Ethyl methacrylate	8.60	69	46385	18.977	ug/l	98
57) 1,3-Dichloropropane	8.83	76	67926	18.537	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	40543	96.136	ug/l	100
59) 2-Hexanone	9.47	43	128540	99.098	ug/l	99
60) Dibromochloromethane	8.70	129	63014	20.622	ug/l	97
61) 1,2-Dibromoethane	8.96	107	45910	19.280	ug/l	100
64) Tetrachloroethene	8.13	164	73727	22.185	ug/l	93
65) Chlorobenzene	9.77	112	168860	20.467	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	71395	22.084	ug/l	97
67) Ethyl Benzene	9.88	91	298555	21.760	ug/l	100
68) m/p-Xylenes	10.11	106	218117	41.539	ug/l	99
69) o-Xylene	10.70	106	120875	21.573	ug/l	93
70) Styrene	10.77	104	169471	21.381	ug/l	99
71) Bromoform	10.76	173	35129	20.011	ug/l	97
73) Isopropylbenzene	11.10	105	350621	21.313	ug/l	99
74) N-amyl acetate	11.36	43	78044	19.765	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	56561	19.191	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	37457	18.693	ug/l	88
77) Bromobenzene	11.48	156	83571	20.563	ug/l	95
78) n-propylbenzene	11.57	91	368415	19.516	ug/l	95
79) 2-Chlorotoluene	11.70	91	228335	21.597	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	279943	21.292	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	17552m	18.271	ug/l	
82) 4-Chlorotoluene	11.88	91	222605	20.285	ug/l	94
83) tert-Butylbenzene	12.12	119	313044	21.496	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	278933	21.354	ug/l	96
85) sec-Butylbenzene	12.29	105	400587	21.271	ug/l	99
86) p-Isopropyltoluene	12.44	119	335907	21.254	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	160798	20.295	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	160755	21.097	ug/l	97
89) n-Butylbenzene	12.83	91	328210	21.992	ug/l	98
90) Hexachloroethane	12.91	117	76738	20.877	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	151765	20.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8395	17.966	ug/l	78

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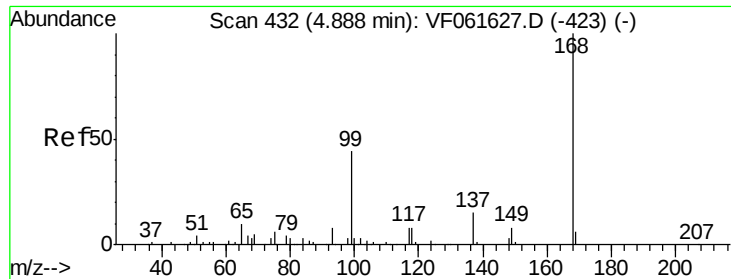
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	116199	21.512	ug/l	95
94) Hexachlorobutadiene	14.18	225	74369	22.293	ug/l	97
95) Naphthalene	14.44	128	186257	19.708	ug/l	100
96) 1,2,3-Trichlorobenzene	14.58	180	104544	21.087	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:168 Resp: 310818

Ion Ratio Lower Upper

168 100

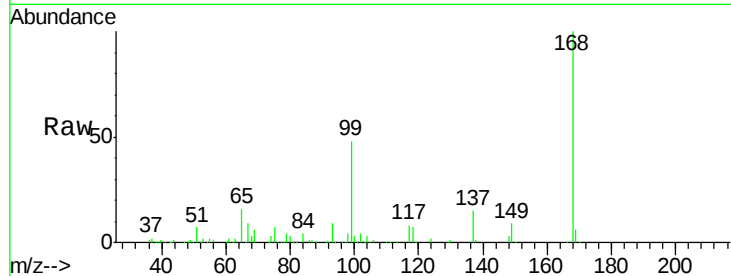
99 47.8 34.9 52.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

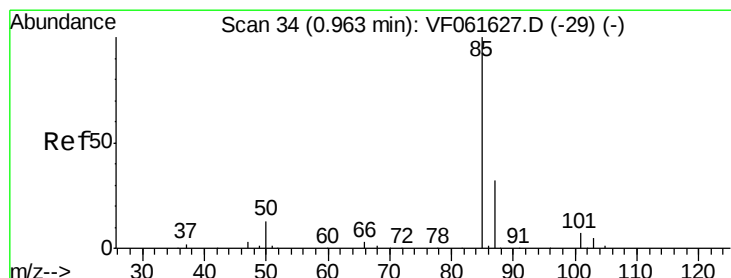
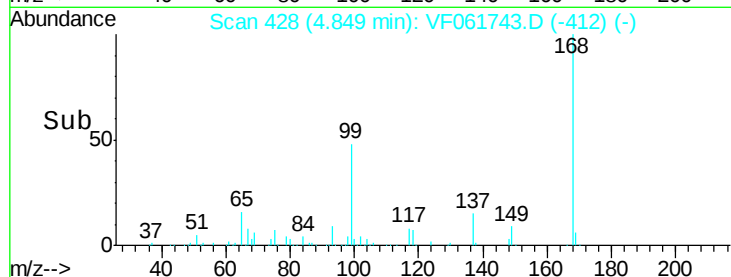
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.086 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061743.D

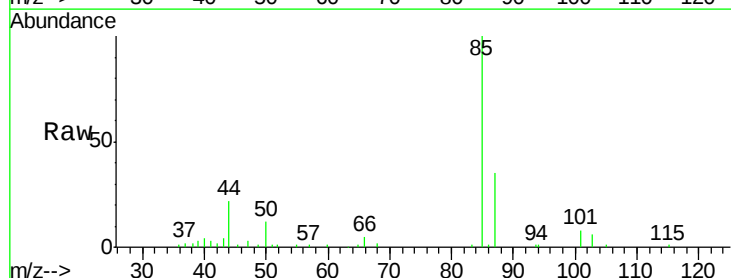
Acq: 26 Feb 2019 15:37

Tgt Ion: 85 Resp: 89543

Ion Ratio Lower Upper

85 100

87 35.4 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

25000

20000

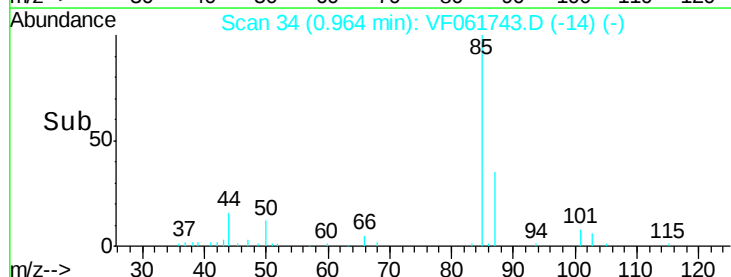
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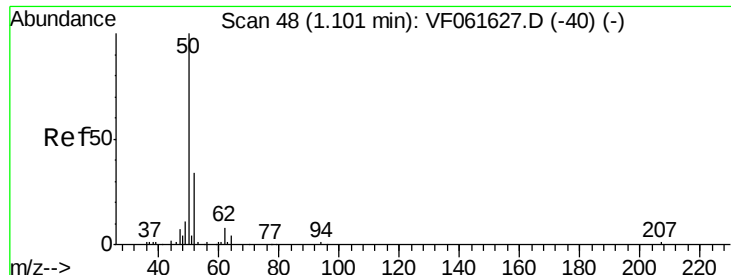
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.899 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 50 Resp: 85758

Ion Ratio Lower Upper

50 100

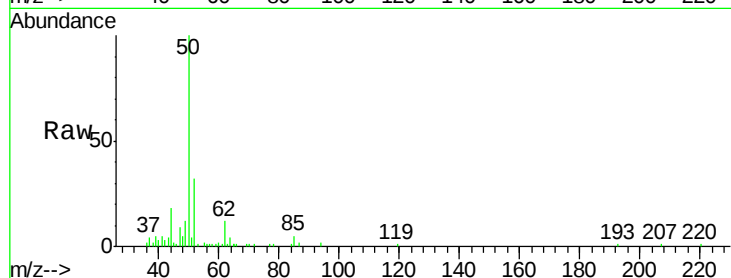
52 31.7 26.2 39.4

Manual Integrations

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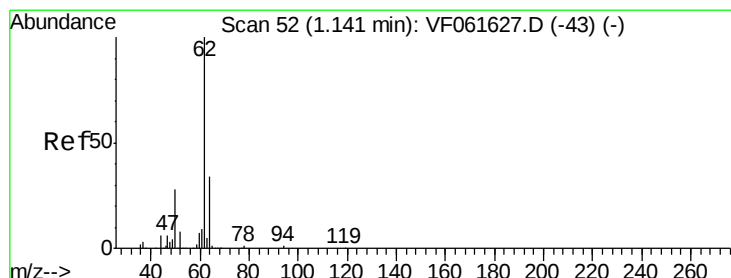
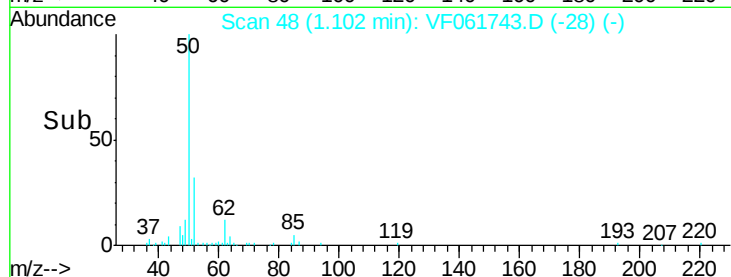
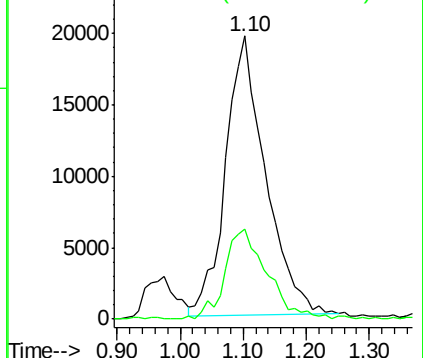
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.276 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061743.D

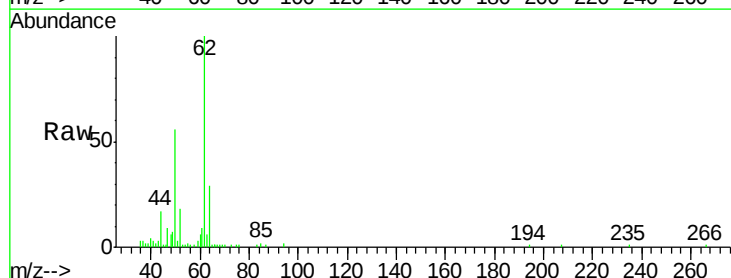
Acq: 26 Feb 2019 15:37

Tgt Ion: 62 Resp: 81038

Ion Ratio Lower Upper

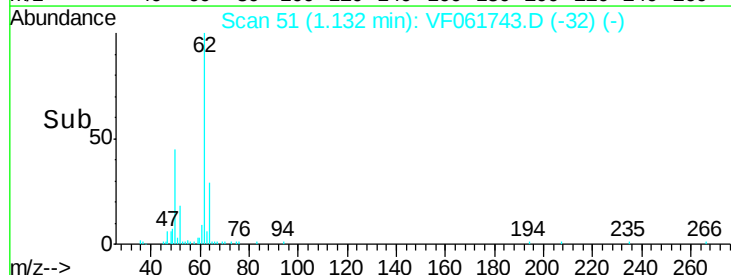
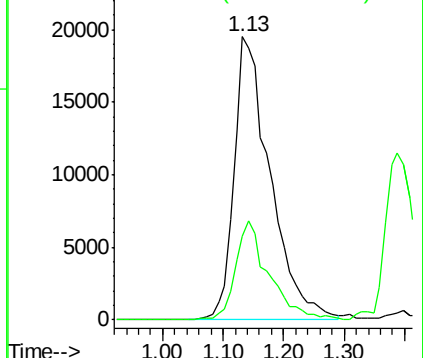
62 100

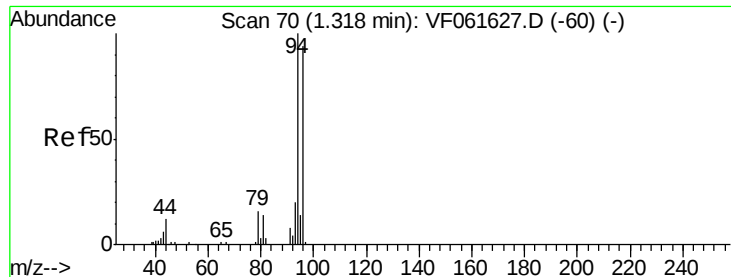
64 29.5 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.513 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 94 Resp: 53944

Ion Ratio Lower Upper

94 100

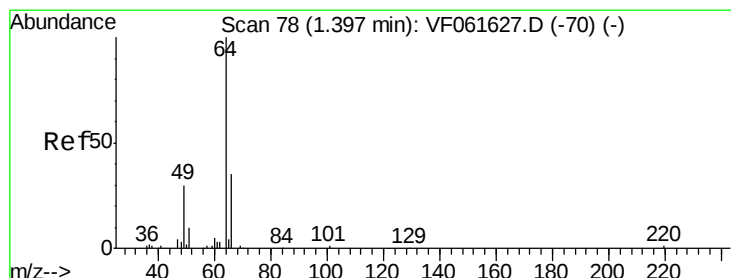
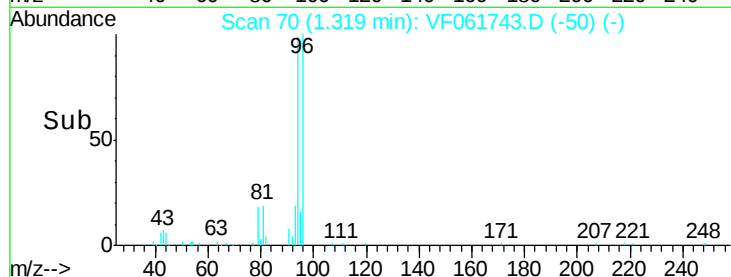
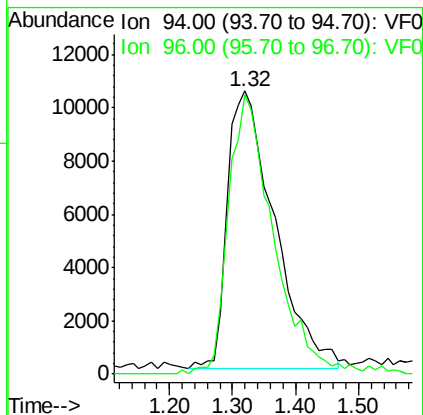
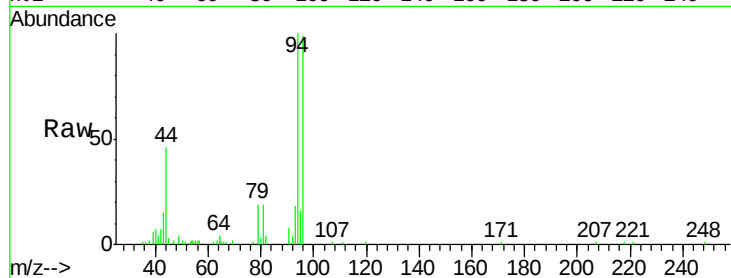
96 98.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 23.336 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061743.D

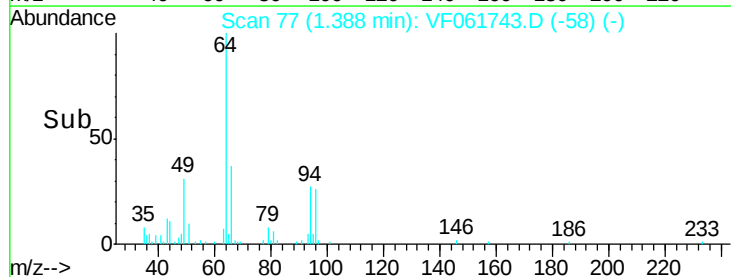
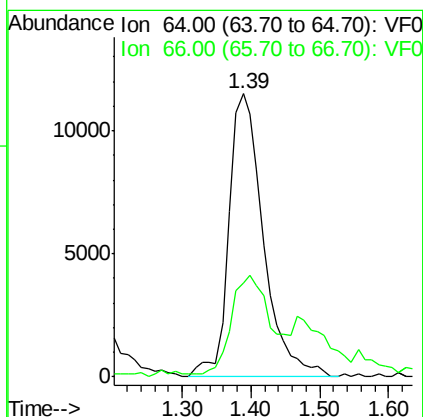
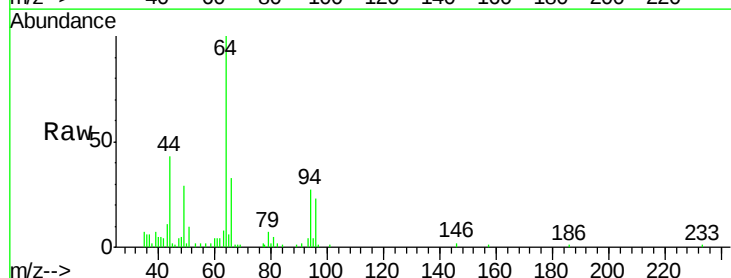
Acq: 26 Feb 2019 15:37

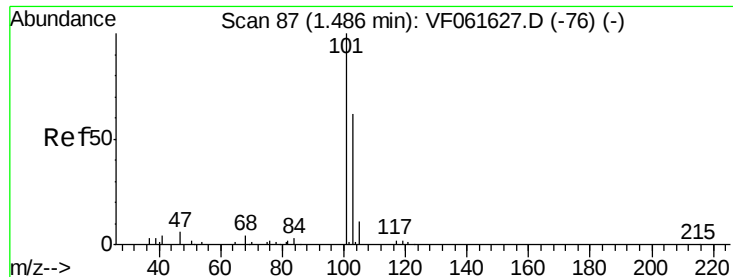
Tgt Ion: 64 Resp: 40038

Ion Ratio Lower Upper

64 100

66 33.0 27.9 41.9





#7

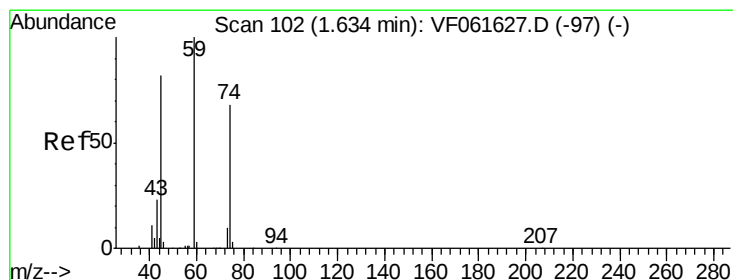
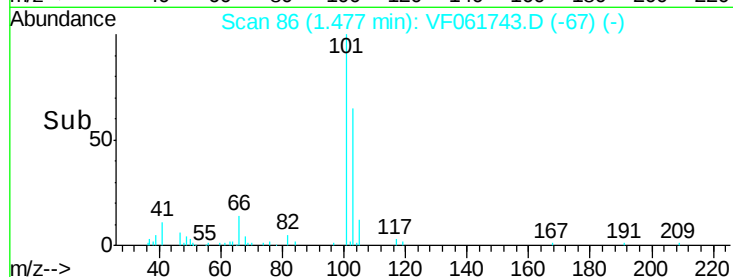
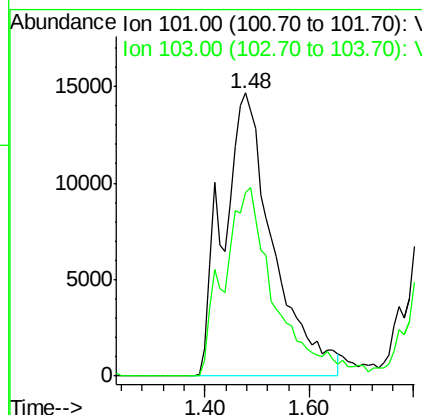
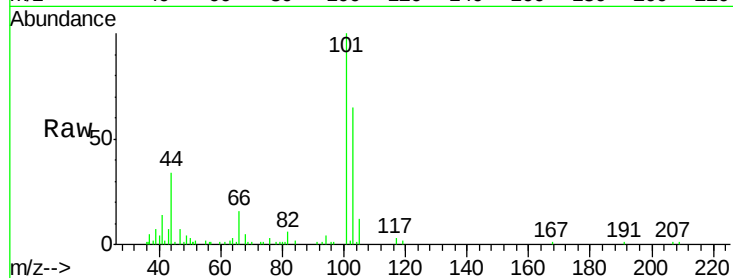
Trichlorofluoromethane
 Concen: 23.353 ug/l m
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

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Tot Ion	101	Resp	98063
Ion Ratio	Lower	Upper	
101	100		
103	64.7	49.3	73.9

Manual Integrations
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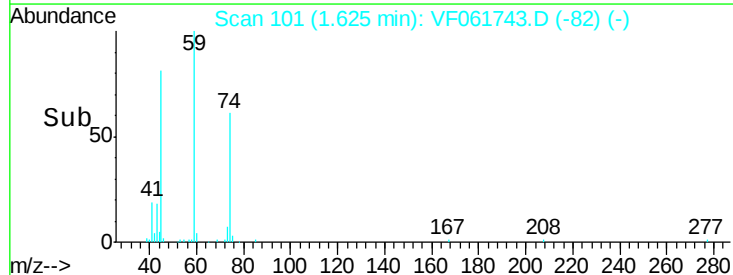
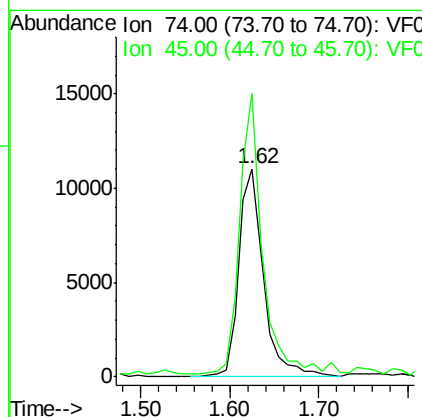
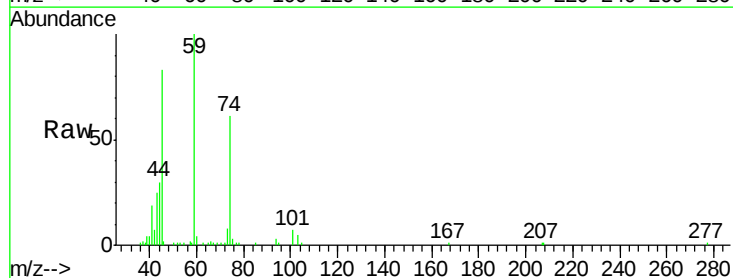
MMDadoda
 2/27/2019 3:19:22 PM

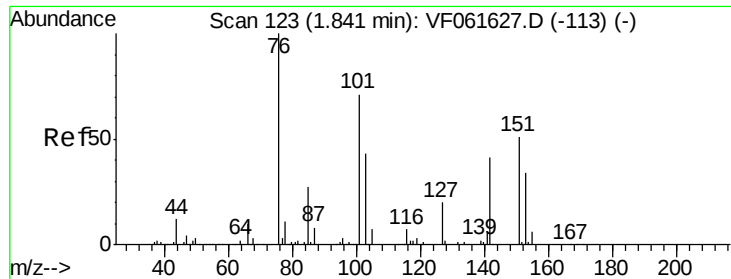


#8

Diethyl Ether
 Concen: 20.268 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	74	Resp	21448
Ion Ratio	Lower	Upper	
74	100		
45	136.0	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.336 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

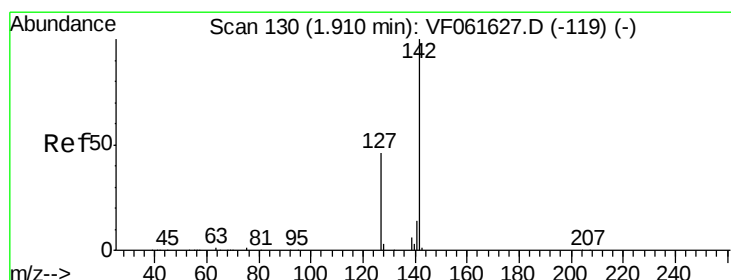
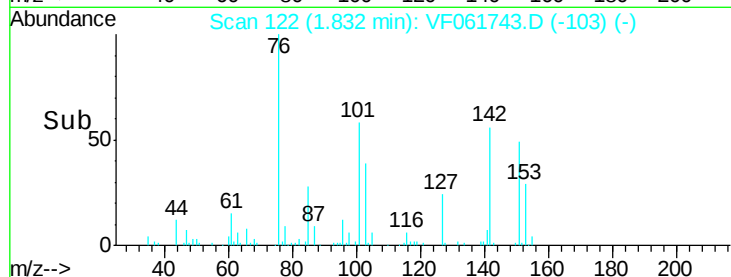
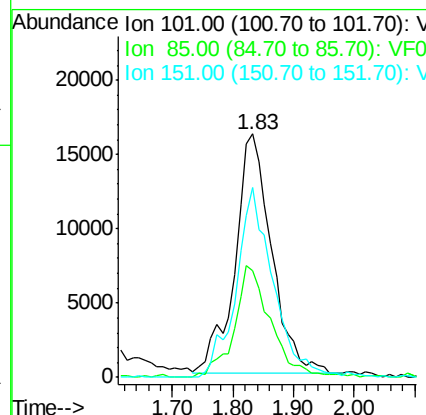
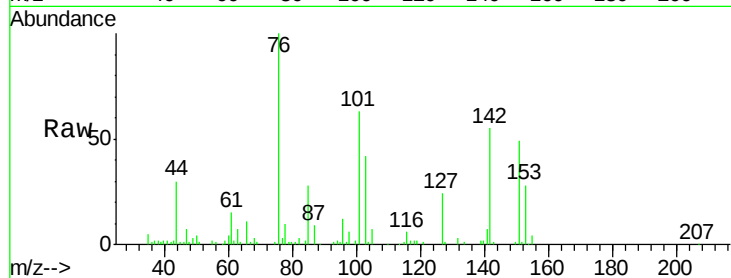
ClientSampleId :

VF0226SBS01

Tot Ion:	101	Resp:	67662
Ion Ratio	Lower	Upper	
101	100		
85	43.6	29.8	44.6
151	78.0	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 22.705 ug/l m

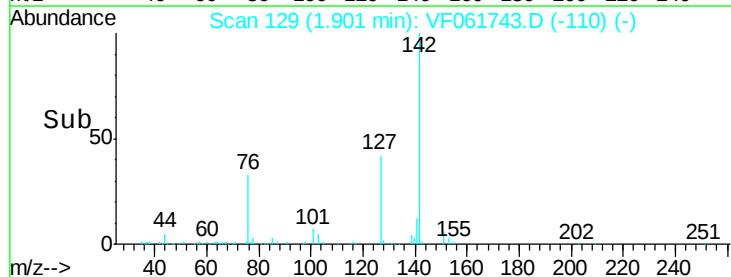
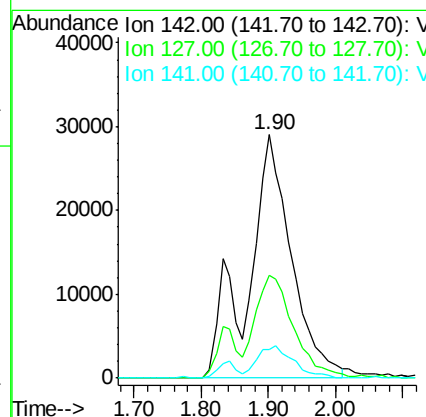
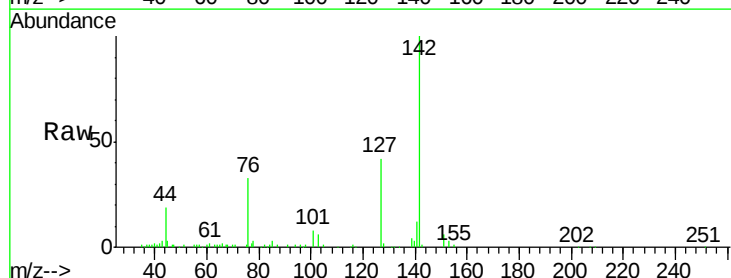
RT: 1.90 min Scan# 129

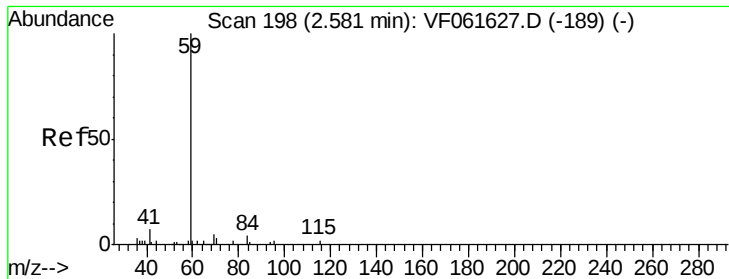
Delta R.T. -0.01 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	142	Resp:	131385
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.6	55.0
141	12.0	11.0	16.6





#11

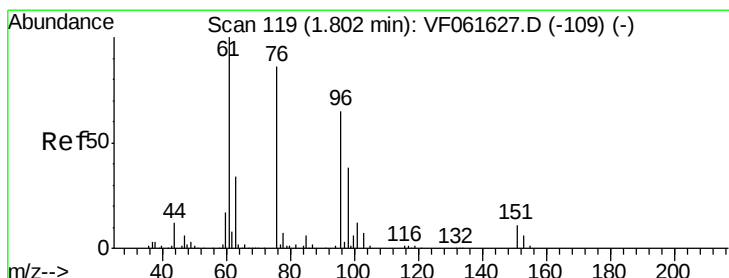
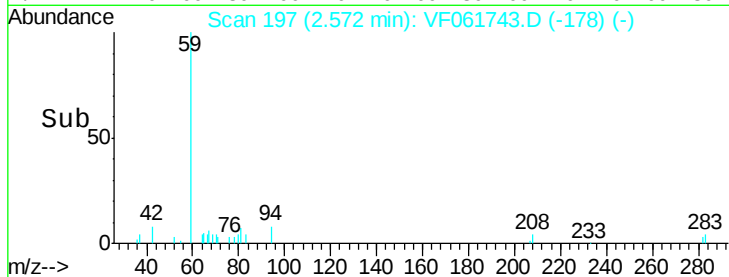
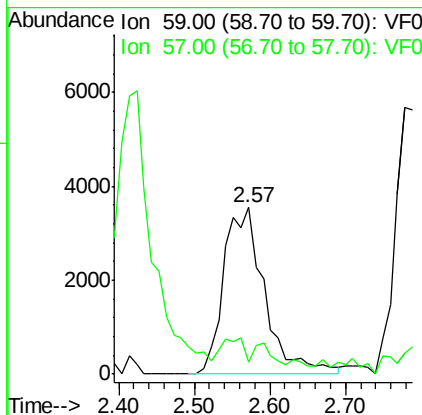
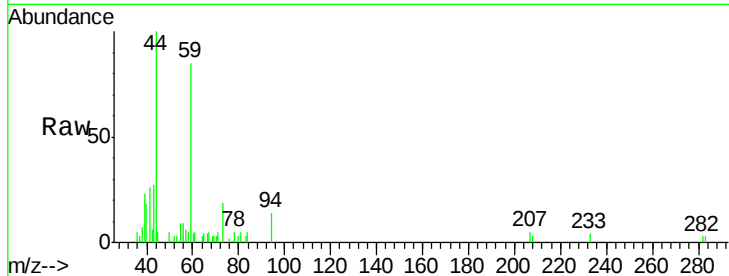
Tert butyl alcohol
Concen: 100.697 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	59	Resp	13283
Ion Ratio	100	Lower	Upper
57	7.2	12.5	18.7#

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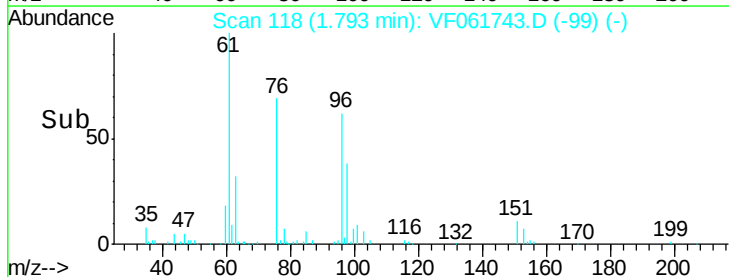
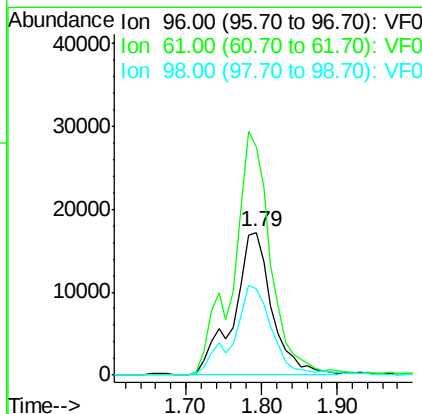
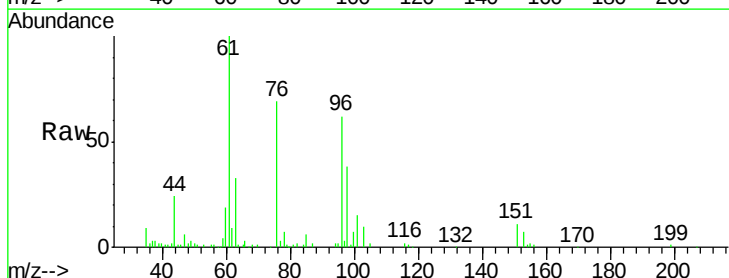
MMDadoda
2/27/2019 3:19:22 PM

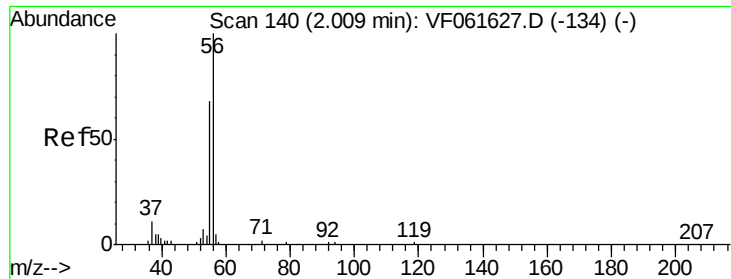


#12

1,1-Dichloroethene
Concen: 22.883 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	96	Resp	60948
Ion Ratio	100	Lower	Upper
61	160.4	122.6	184.0
98	60.4	47.2	70.8





#13

Acrolein

Concen: 91.943 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 56 Resp: 15243

Ion Ratio Lower Upper

56 100

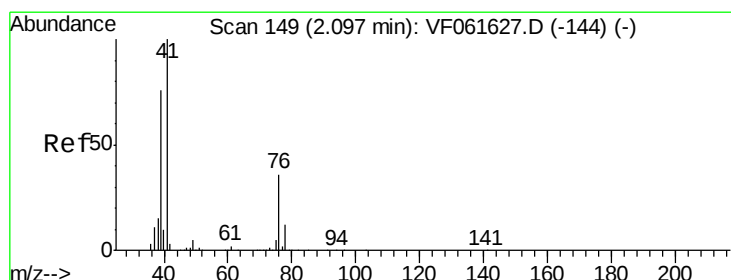
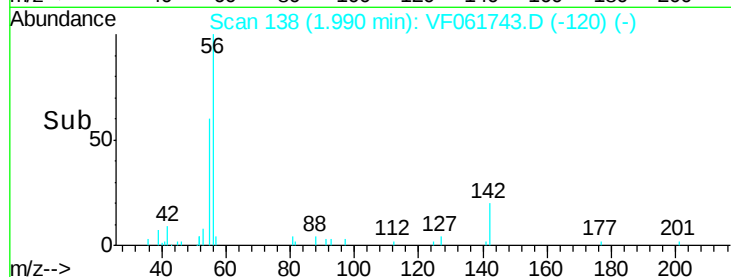
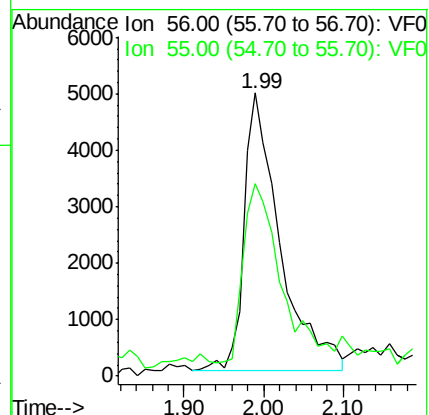
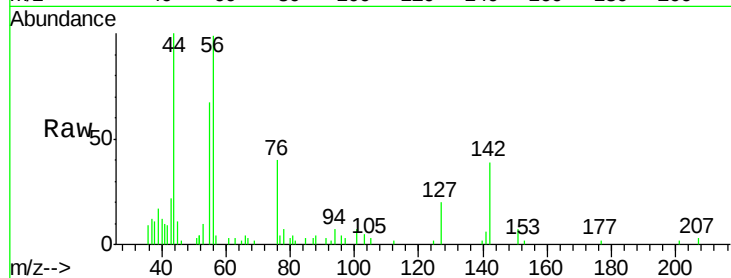
55 68.0 55.0 82.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 21.730 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

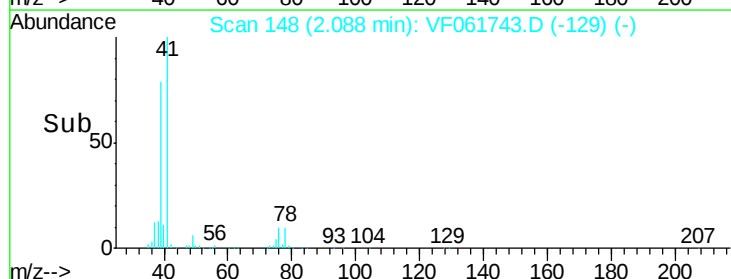
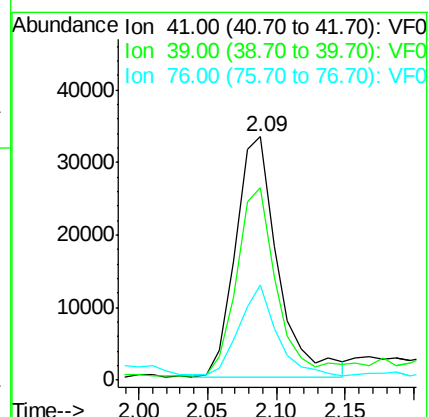
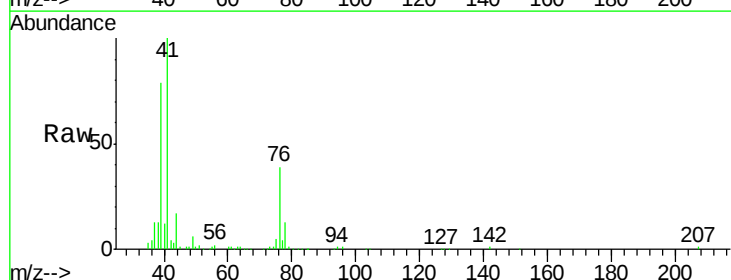
Tgt Ion: 41 Resp: 71019

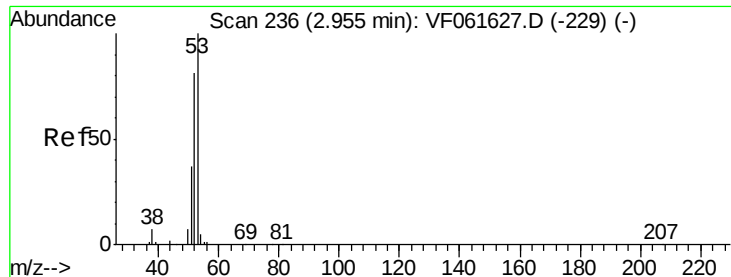
Ion Ratio Lower Upper

41 100

39 79.2 61.6 92.4

76 38.9 30.3 45.5





#15

Acrylonitrile

Concen: 89.944 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

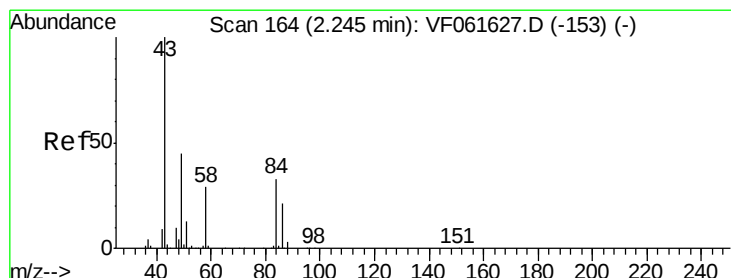
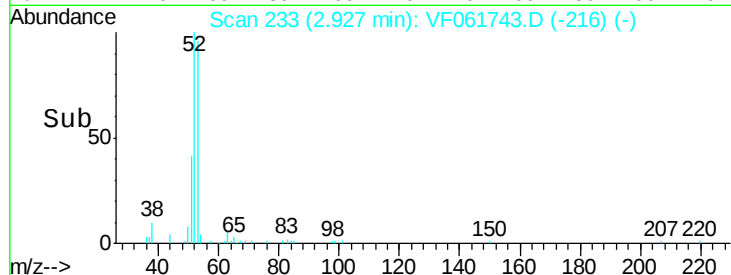
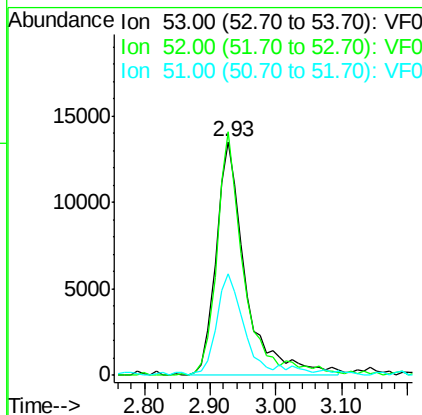
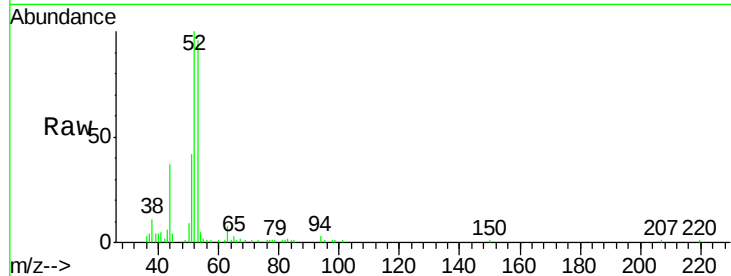
ClientSampleId :

VF0226SBS01

Tot Ion:	53	Resp:	42084
Ion Ratio	Lower	Upper	
53	100		
52	104.3	64.6	97.0#
51	43.5	29.8	44.8

Manual Integrations
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2/27/2019 3:19:22 PM



#16

Acetone

Concen: 115.788 ug/l

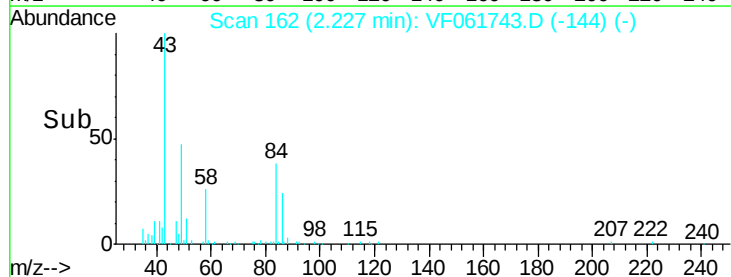
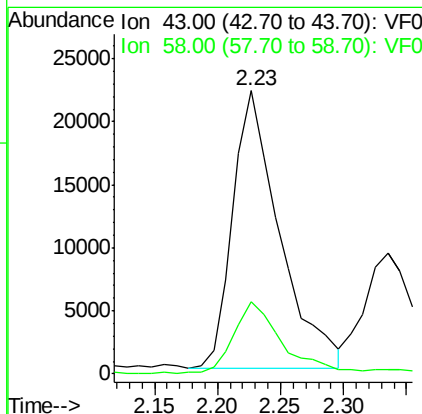
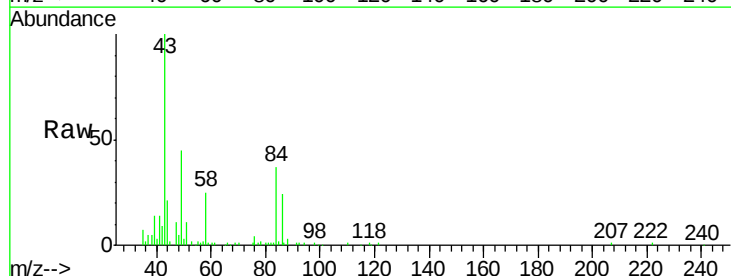
RT: 2.23 min Scan# 162

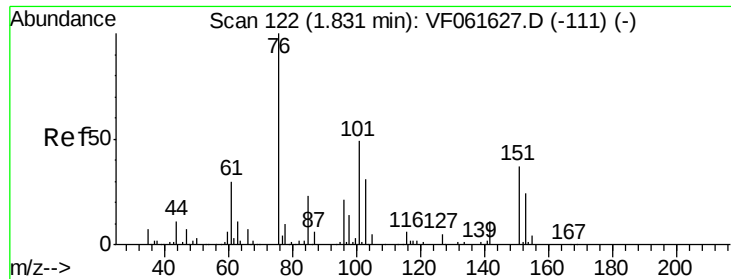
Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	43	Resp:	56624
Ion Ratio	Lower	Upper	
43	100		
58	25.3	22.9	34.3





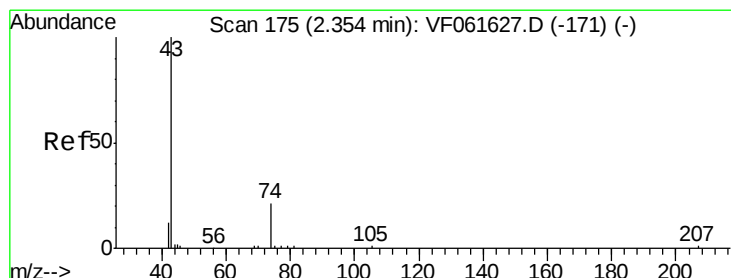
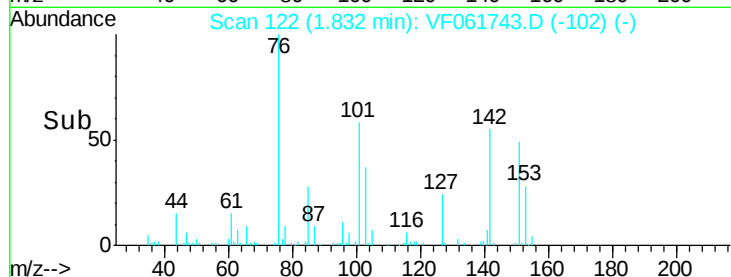
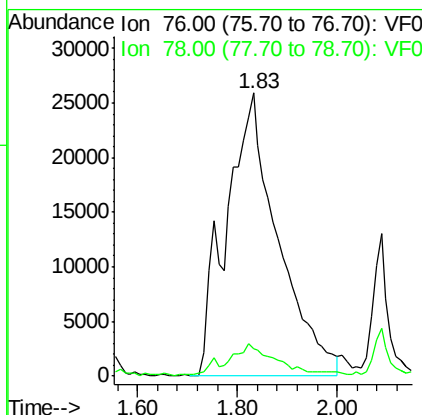
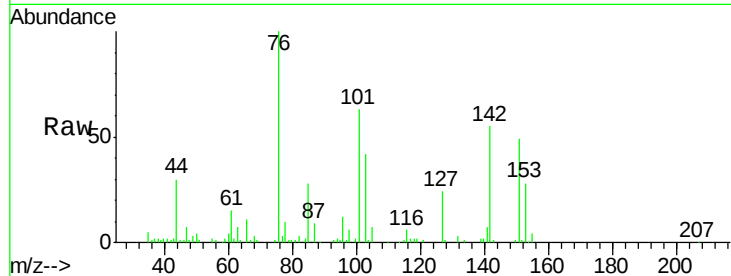
#17
Carbon Disulfide
Concen: 22.239 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 76 Resp: 186183
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9

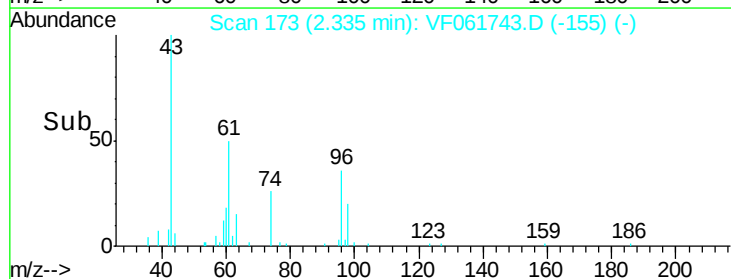
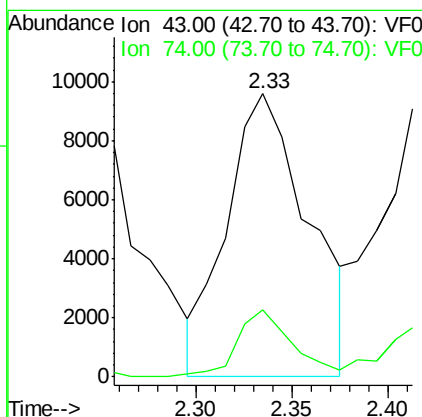
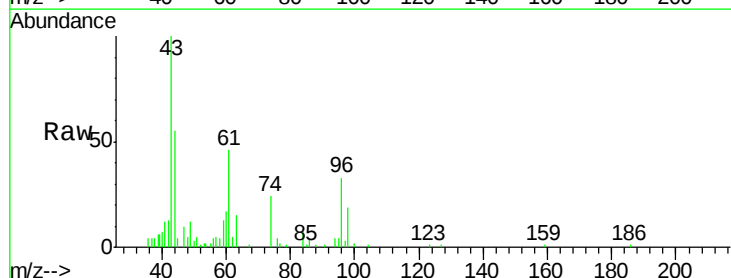
Manual Integrations
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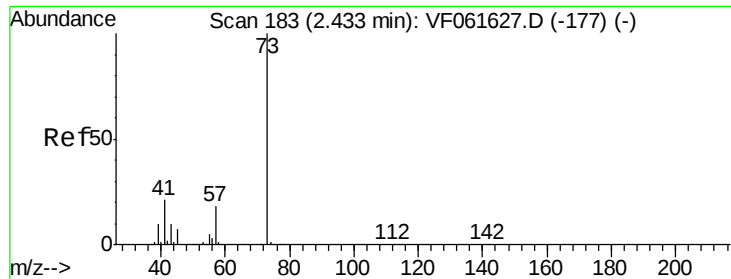
MMDadoda
2/27/2019 3:19:22 PM



#18
Methyl Acetate
Concen: 25.822 ug/l m
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion: 43 Resp: 28447
Ion Ratio Lower Upper
43 100
74 23.9 14.6 21.8#





#19

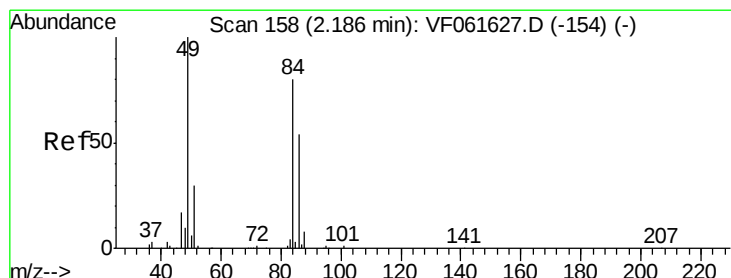
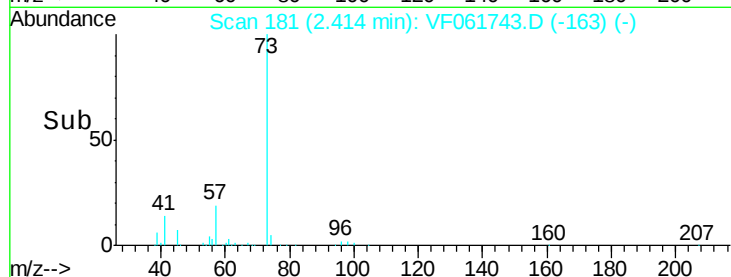
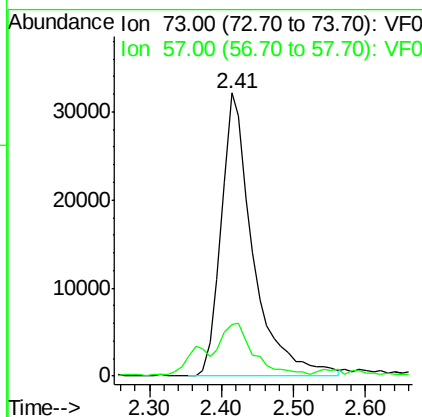
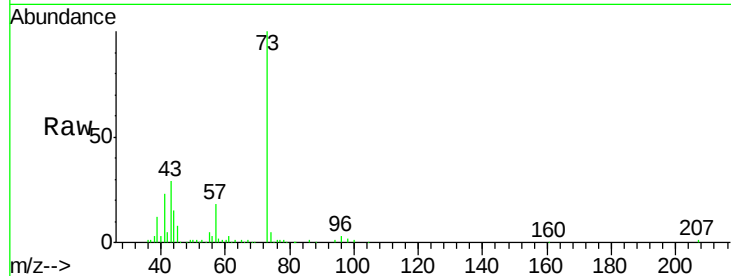
Methyl tert-butyl Ether
 Concen: 21.585 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.8	23.8

Manual Integrations
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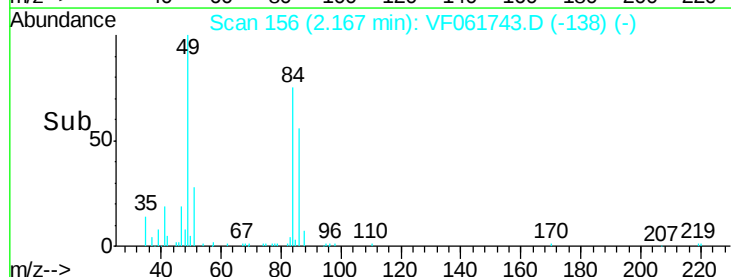
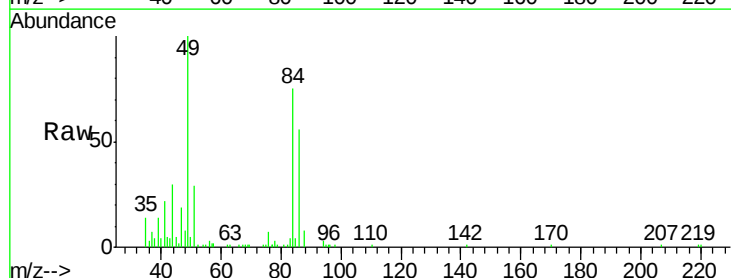
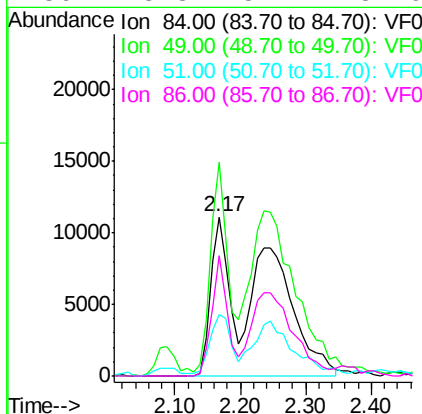
MMDadoda
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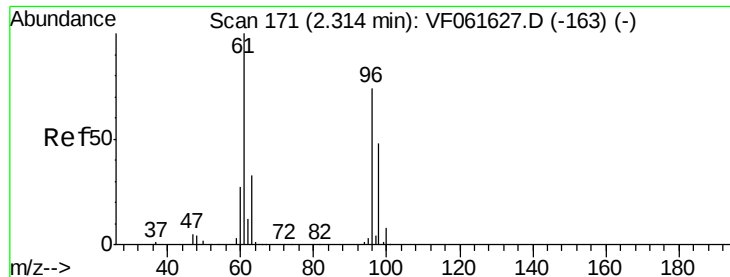


#20

Methylene Chloride
 Concen: 22.457 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	101.8	152.8
51	38.5	31.1	46.7
86	75.3	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 21.095 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 96 Resp: 61078

Ion Ratio Lower Upper

96 100

61 139.9 108.2 162.4

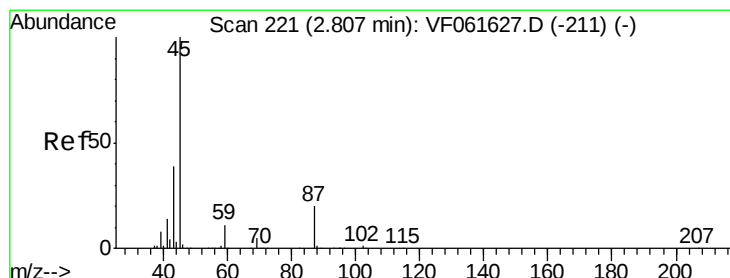
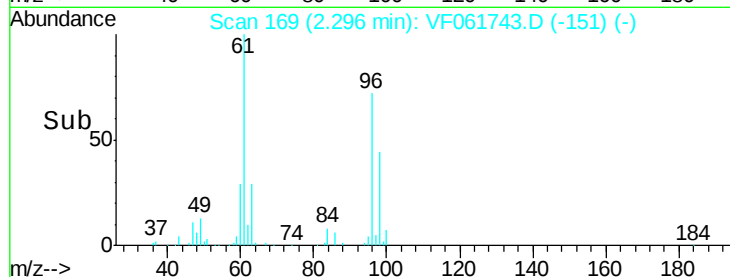
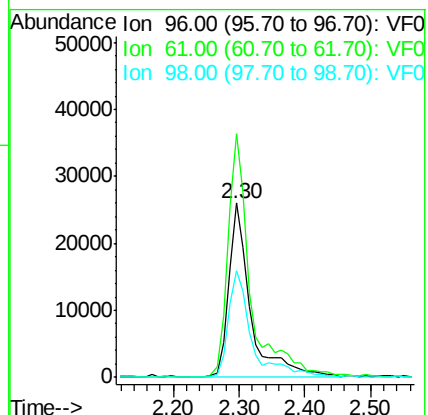
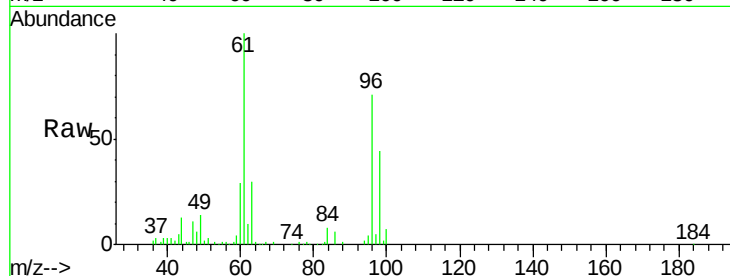
98 61.7 52.2 78.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.207 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion: 45 Resp: 158531

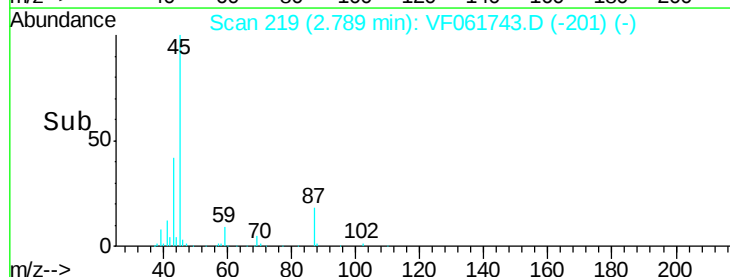
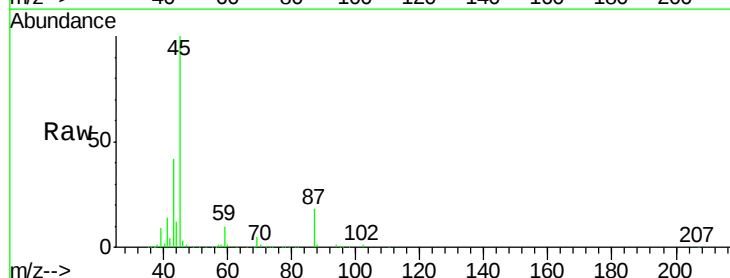
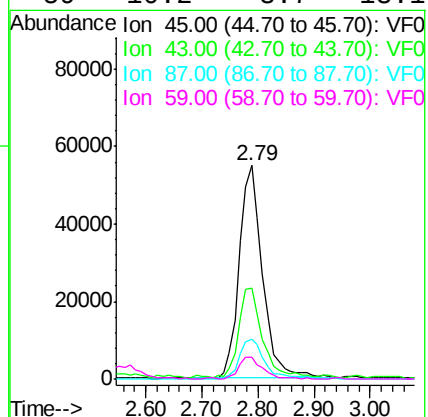
Ion Ratio Lower Upper

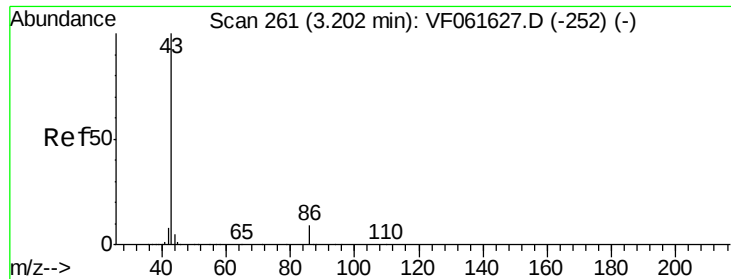
45 100

43 42.3 31.4 47.2

87 18.3 16.3 24.5

59 10.2 8.7 13.1





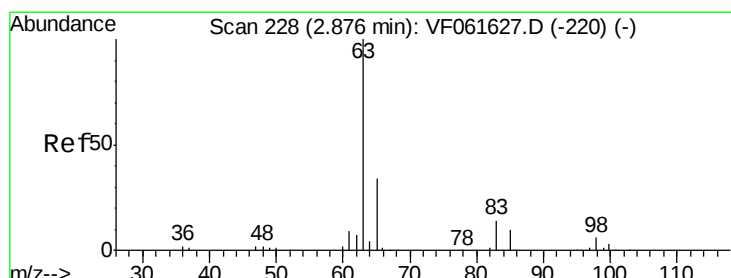
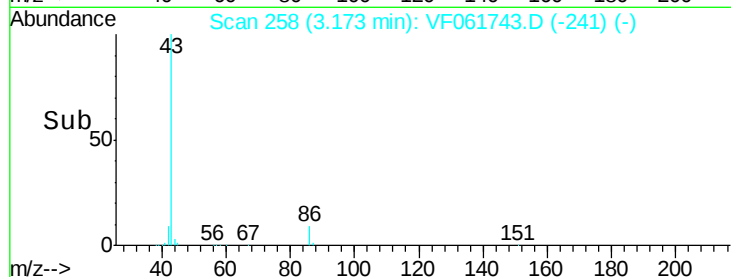
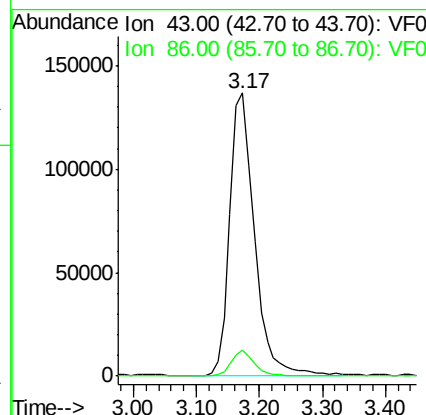
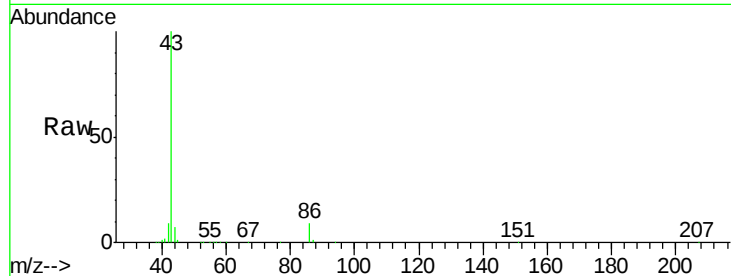
#23
 Vinyl Acetate
 Concen: 96.284 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.03 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	43	Resp	368946
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.5	11.3

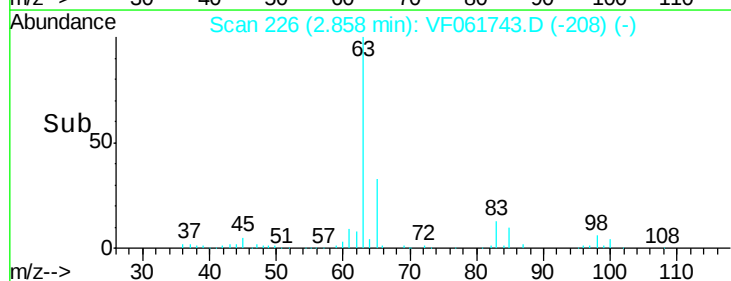
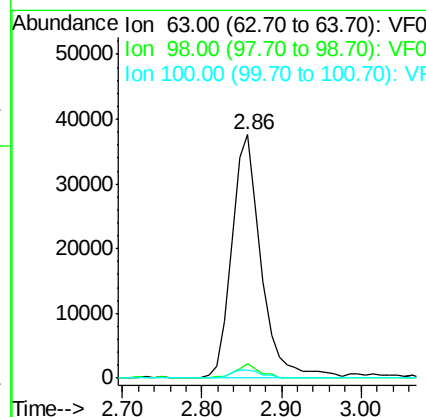
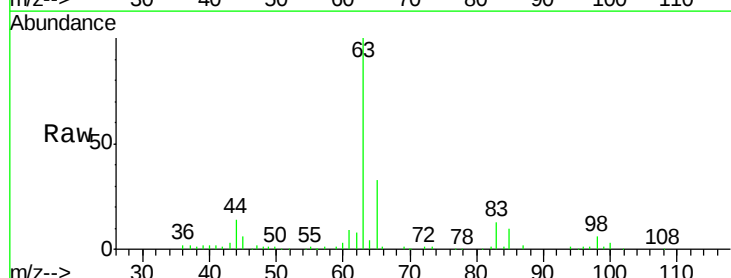
Manual Integrations
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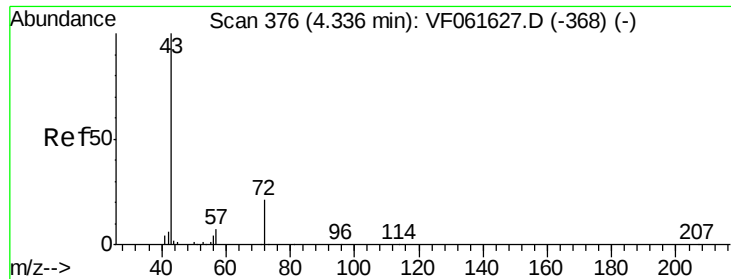
MMDadoda
 2/27/2019 3:19:22 PM



#24
 1,1-Dichloroethane
 Concen: 20.432 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	63	Resp	97004
Ion Ratio	100	Lower	Upper
63	100		
98	5.9	2.8	8.3
100	3.5	1.8	5.4





#25

2-Butanone

Concen: 99.810 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 43 Resp: 106617

Ion Ratio Lower Upper

43 100

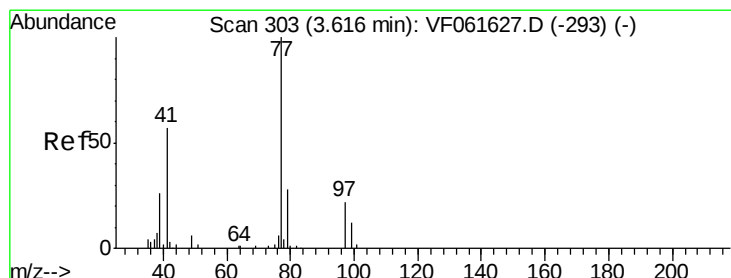
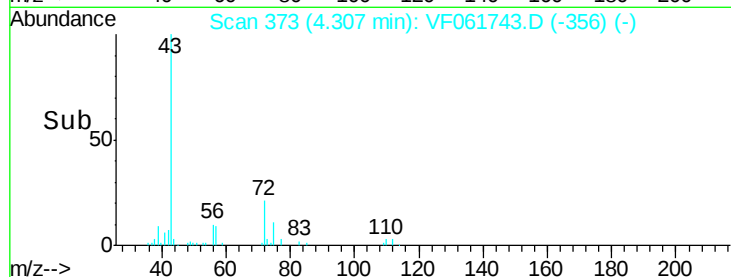
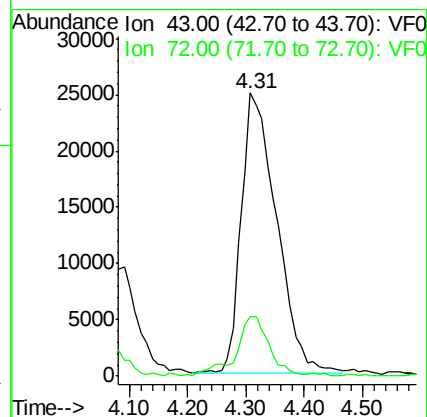
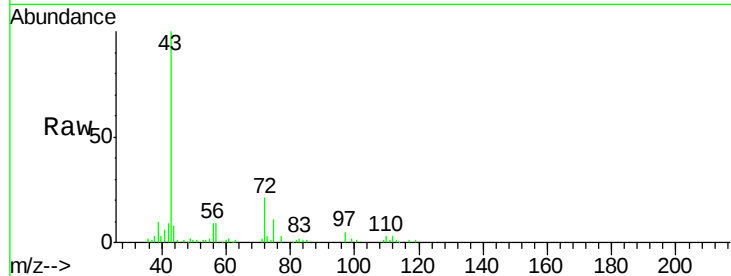
72 20.9 17.1 25.7

Manual Integrations

APPROVED

MMDadoda

2/27/2019 3:19:22 PM



#26

2,2-Dichloropropane

Concen: 23.145 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061743.D

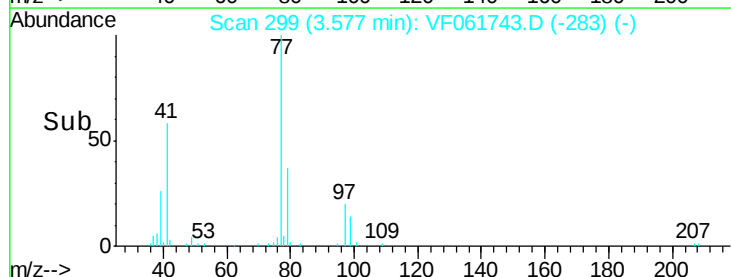
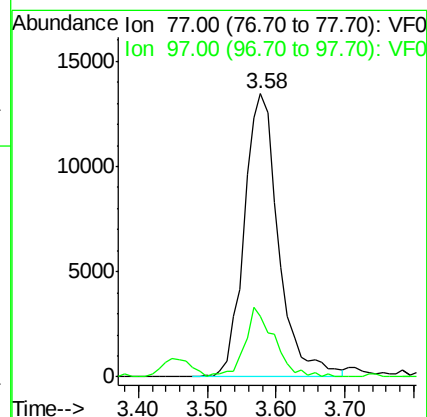
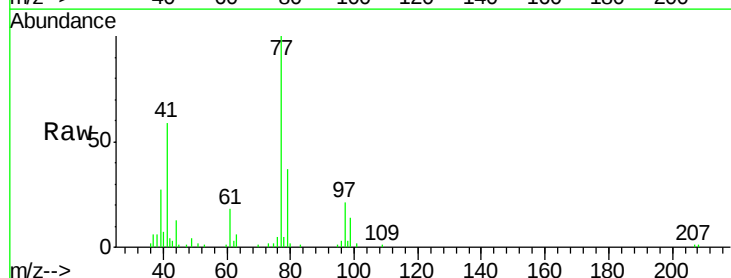
Acq: 26 Feb 2019 15:37

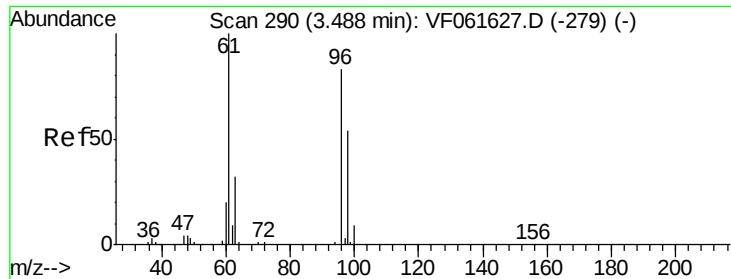
Tgt Ion: 77 Resp: 46546

Ion Ratio Lower Upper

77 100

97 21.5 11.7 35.0





#27

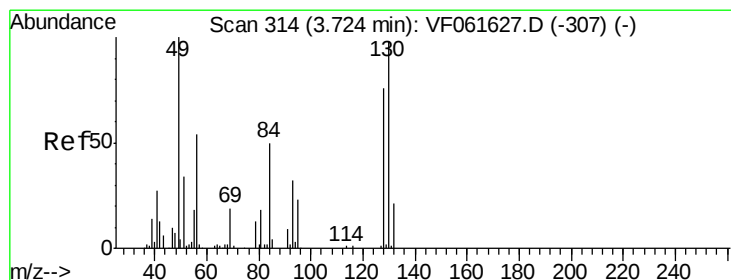
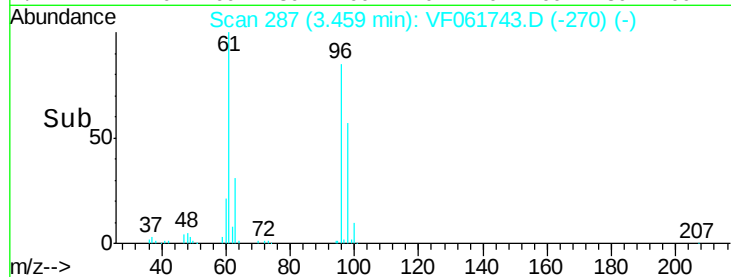
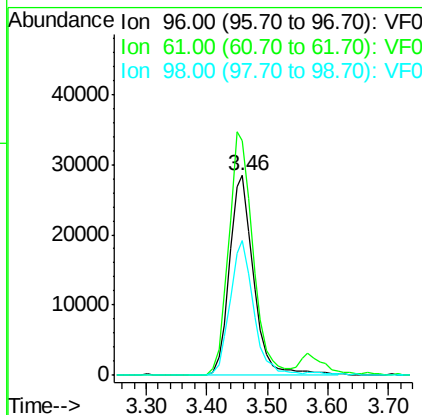
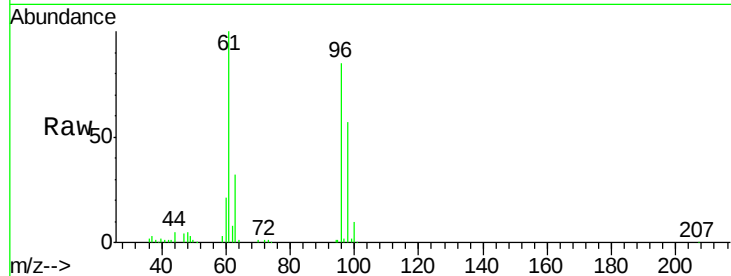
cis-1,2-Dichloroethene
Concen: 20.744 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	117.3	0.0	241.6	
98	67.2	0.0	130.2	

Manual Integrations
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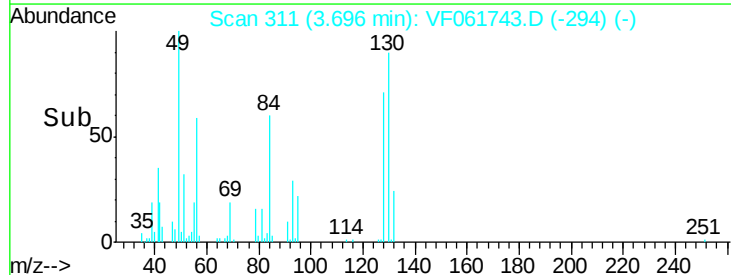
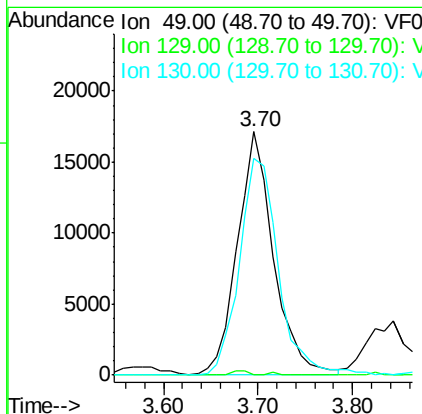
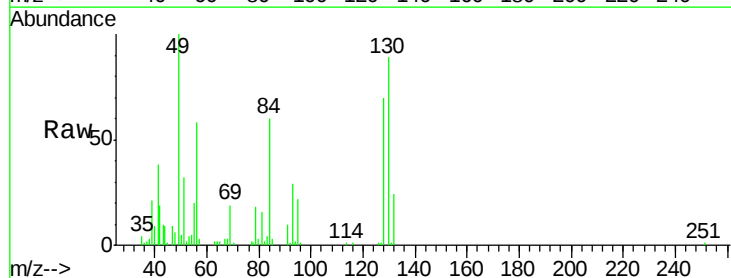
MMDadoda
2/27/2019 3:19:22 PM

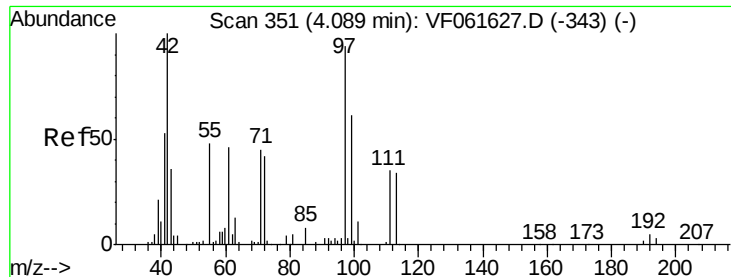


#28

Bromochloromethane
Concen: 20.008 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.4	
130	89.0	77.7	116.5	





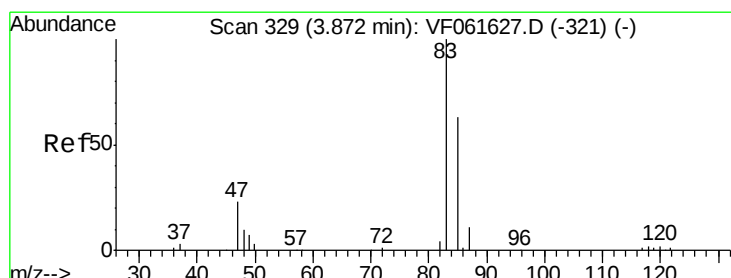
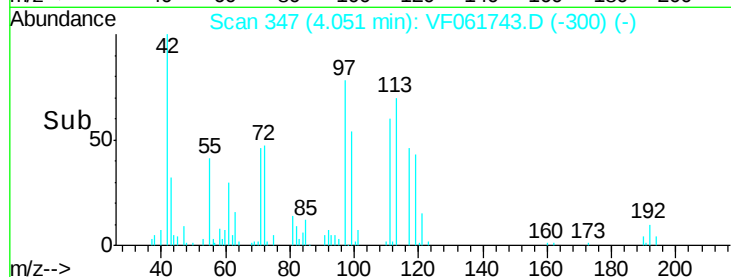
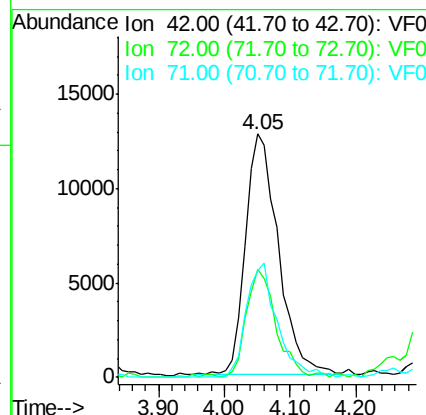
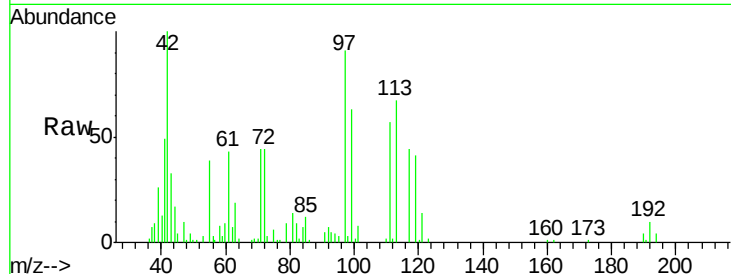
#29
Tetrahydrofuran
Concen: 92.504 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	44911		
72	40.8		35.2	52.8
71	44.6		32.9	49.3

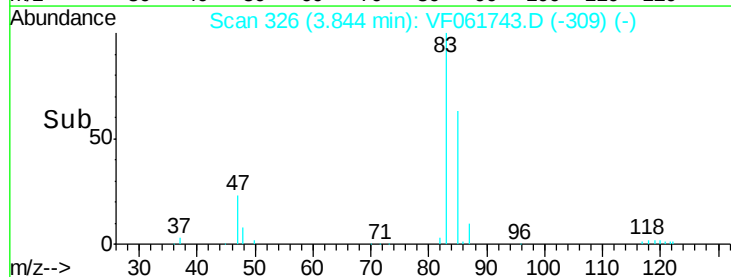
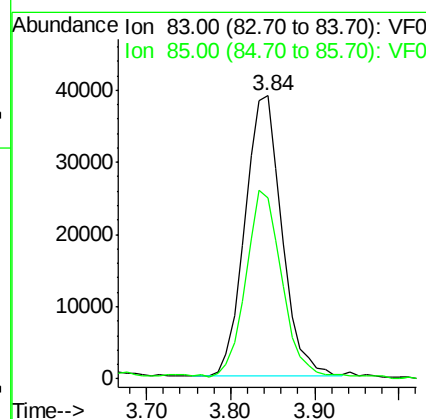
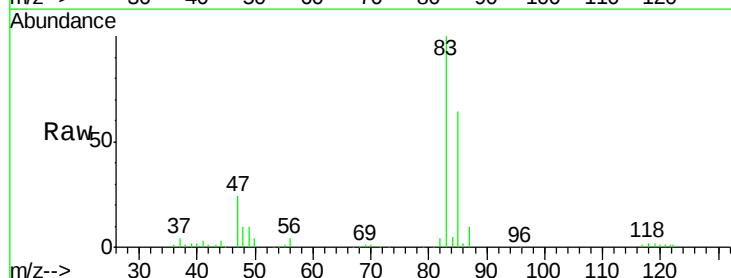
Manual Integrations
APPROVED

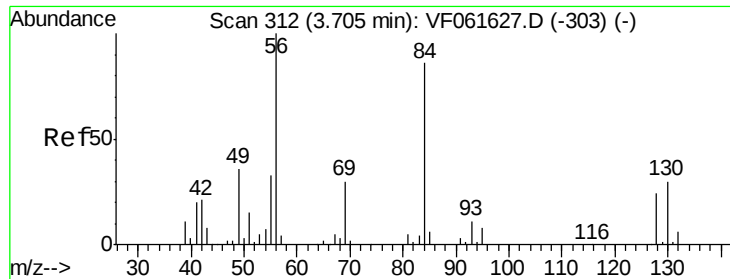
MMDadoda
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#30
Chloroform
Concen: 22.159 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	119639		
85	64.1		51.1	76.7





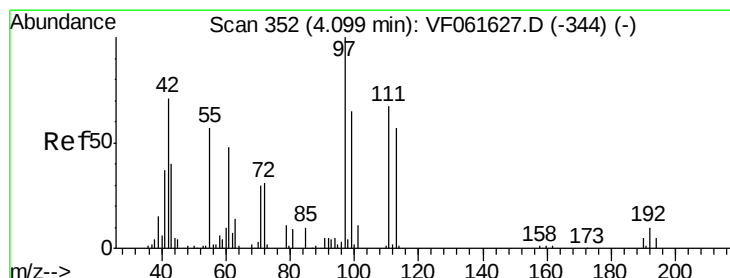
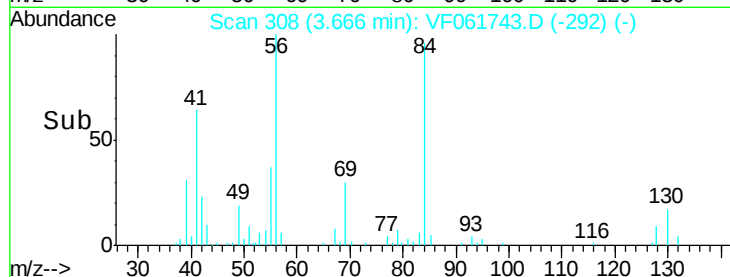
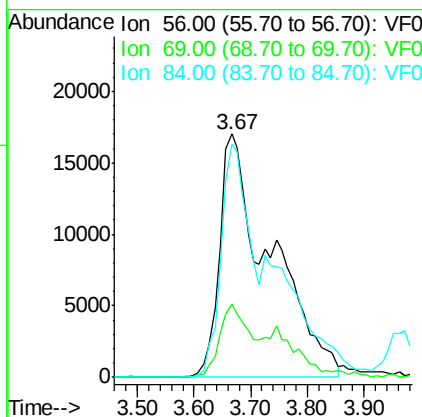
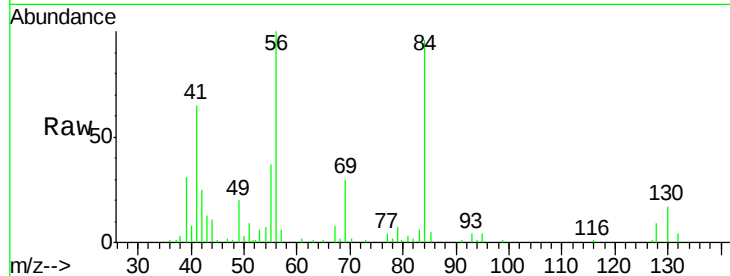
#31
Cyclohexane
Concen: 20.579 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	95.7	68.6	103.0

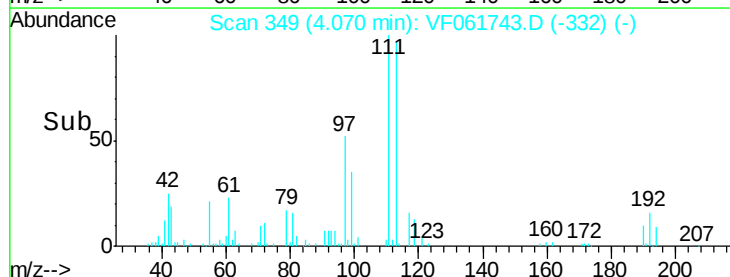
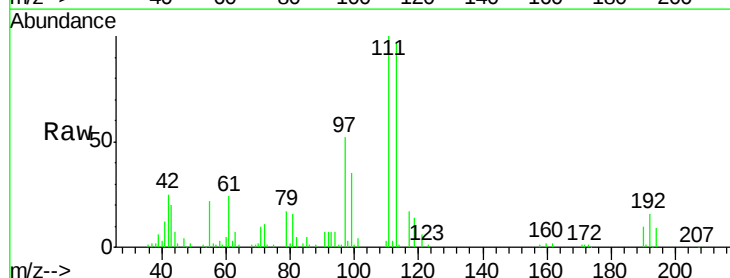
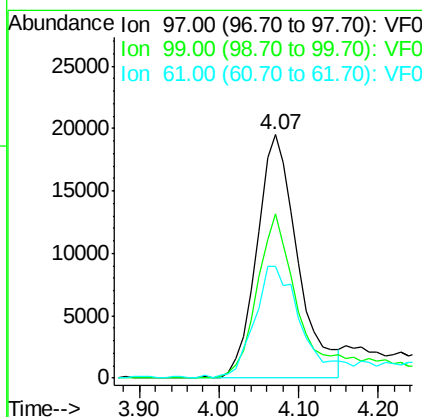
Manual Integrations
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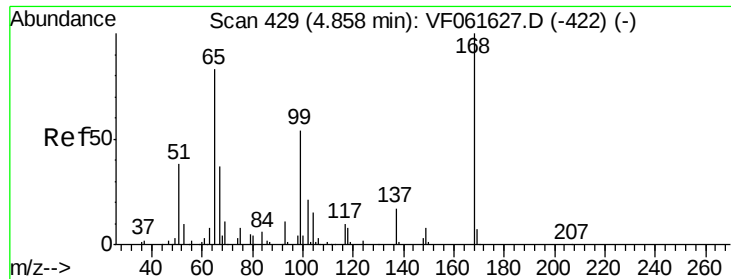
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#32
1,1,1-Trichloroethane
Concen: 19.652 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	52.2	78.2
61	46.0	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 54.909 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 65 Resp: 125152

Ion Ratio Lower Upper

65 100

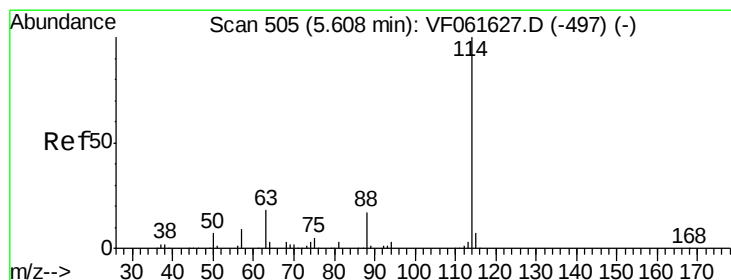
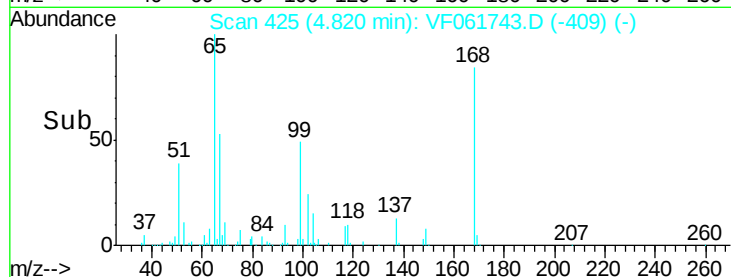
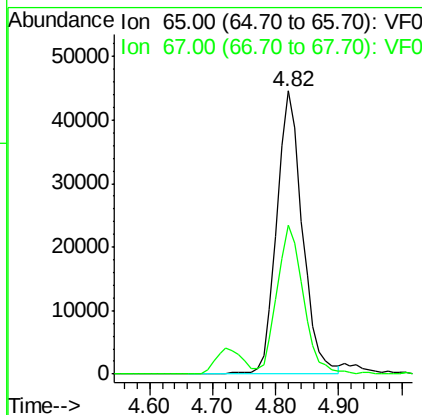
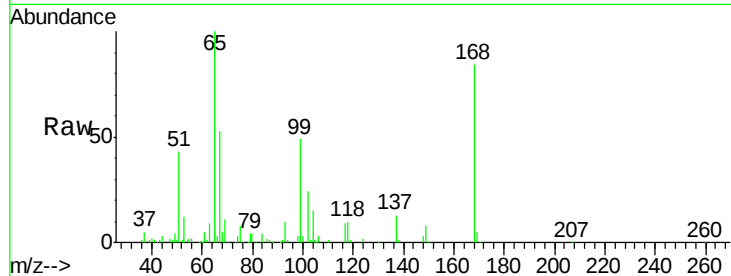
67 52.7 0.0 104.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

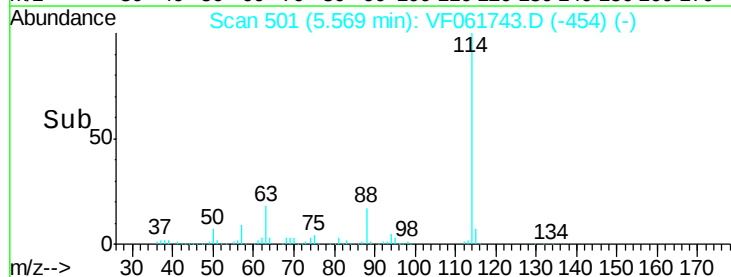
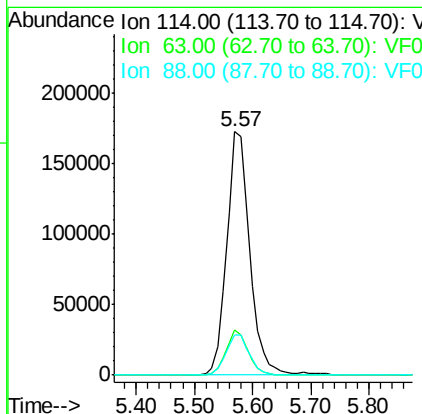
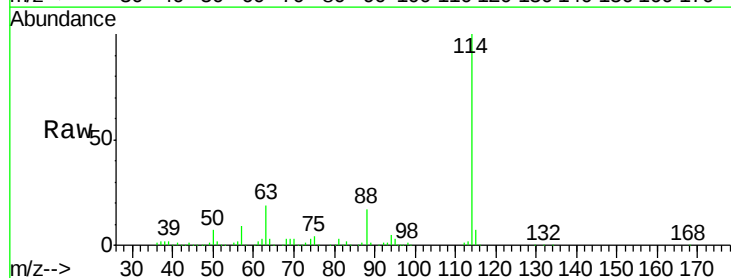
Tgt Ion: 114 Resp: 475489

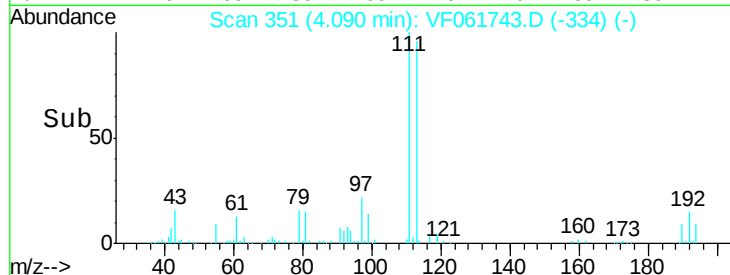
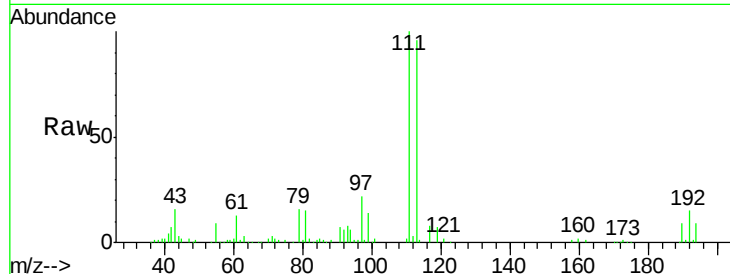
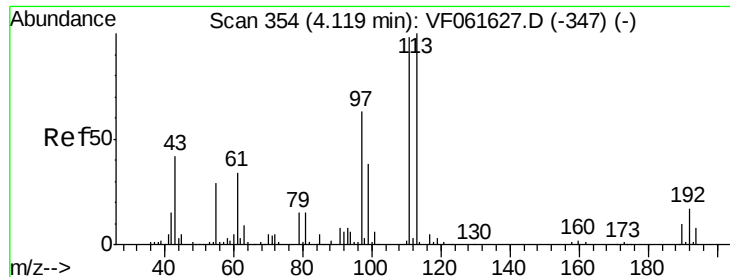
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

88 16.7 0.0 34.4





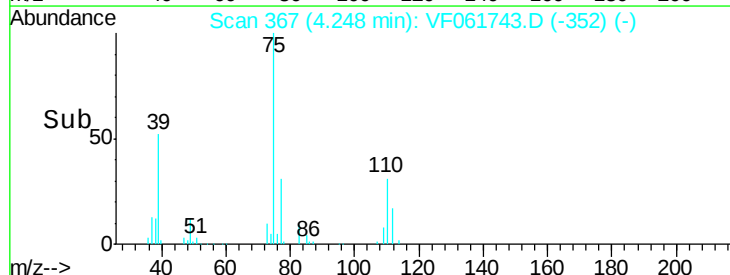
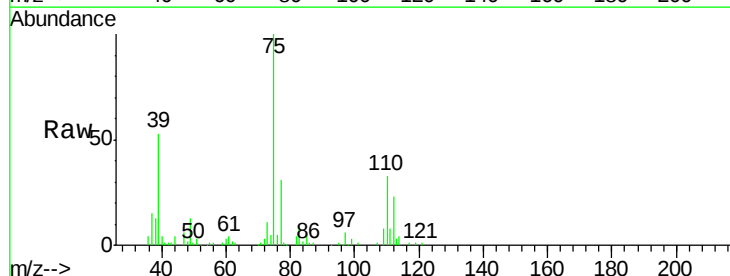
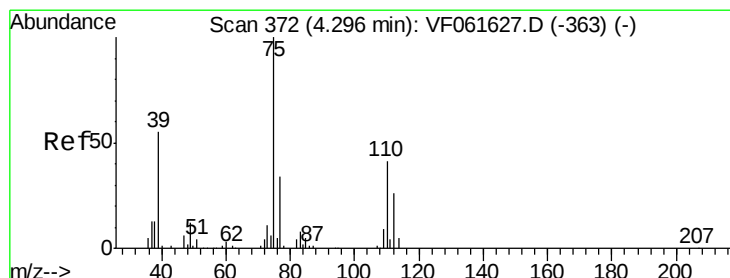
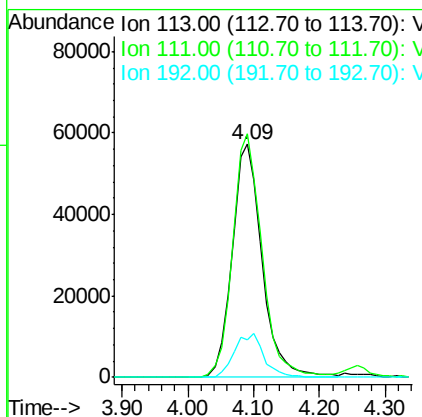
#35
Dibromofluoromethane
Concen: 51.685 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182499		
111	104.3	78.8	118.2	
192	15.9	13.4	20.0	

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

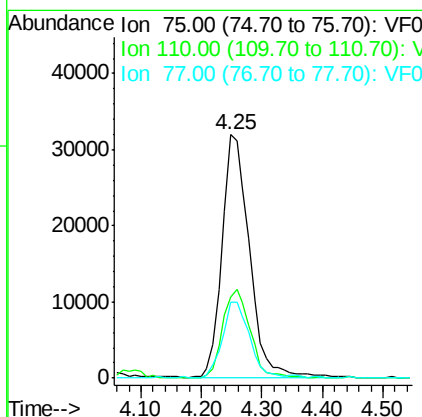
Manual Integrations
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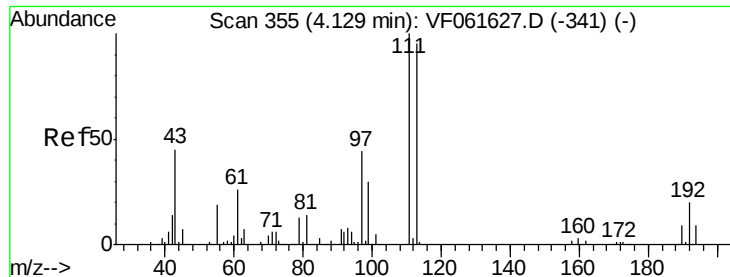
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.578 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.05 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101637		
110	33.5	20.5	61.6	
77	31.1	27.0	40.4	





#37

Ethyl Acetate

Concen: 17.513 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

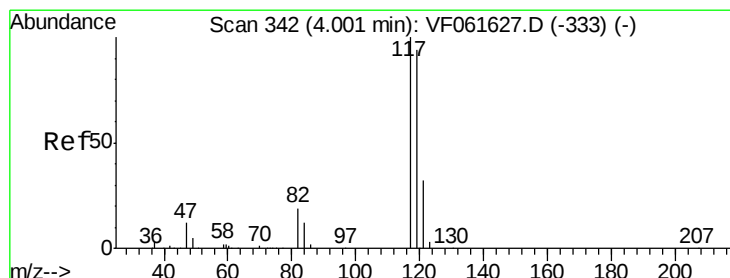
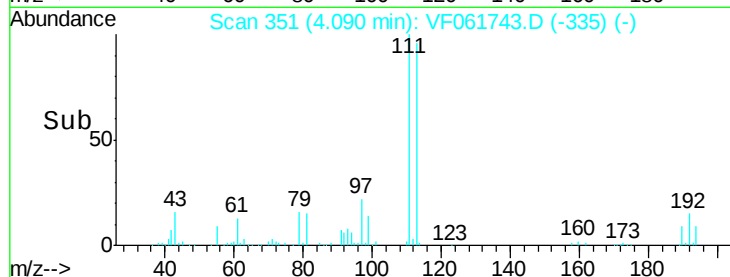
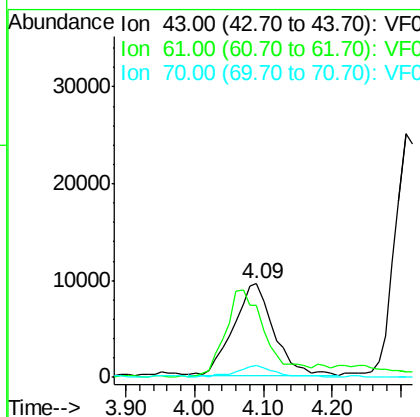
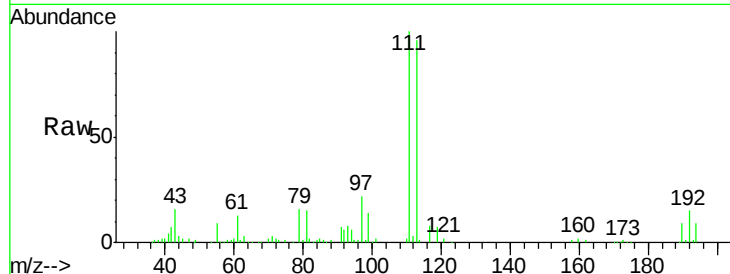
ClientSampleId :

VF0226SBS01

Tot Ion:	43	Resp:	38316
Ion	Ratio	Lower	Upper
43	100		
61	77.5	45.7	68.5#
70	13.3	8.5	12.7#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.402 ug/l

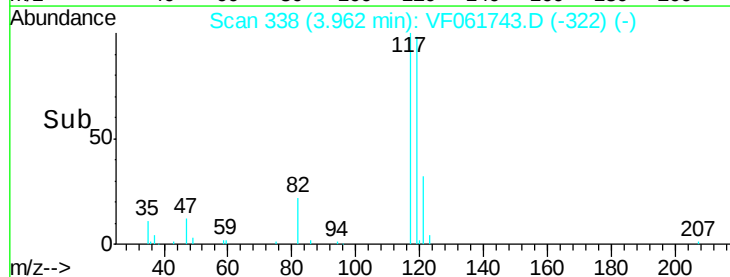
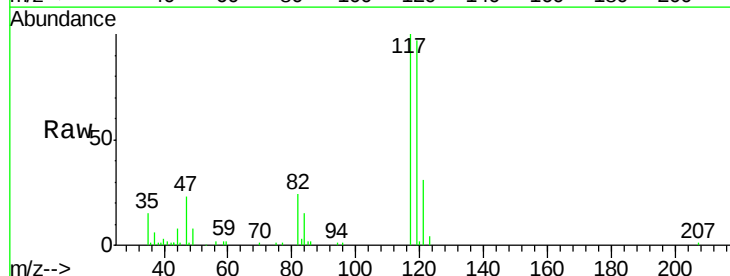
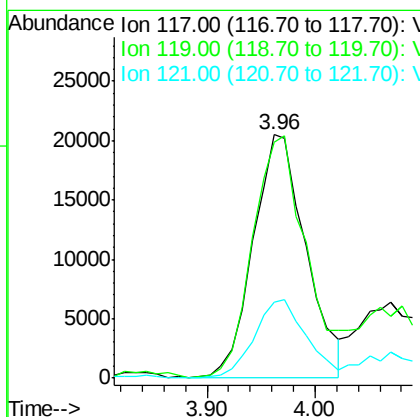
RT: 3.96 min Scan# 338

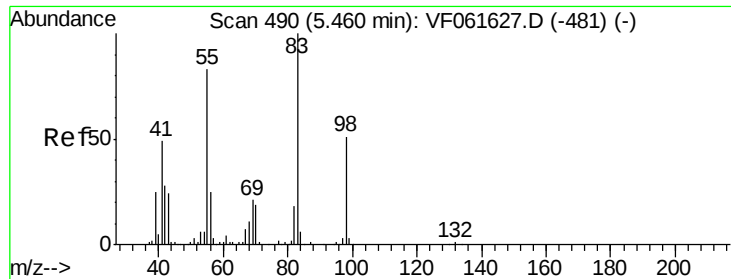
Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	117	Resp:	69609
Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.6	113.4
121	31.4	25.2	37.8





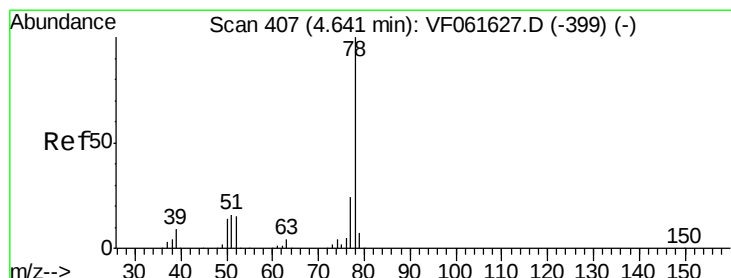
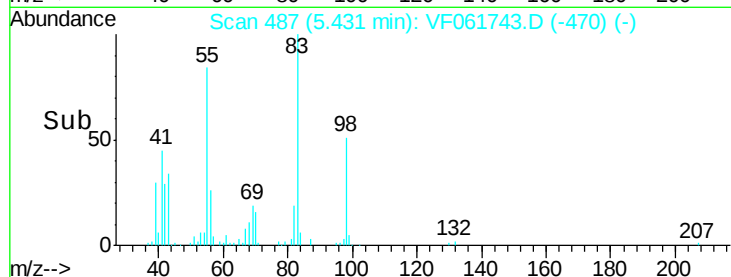
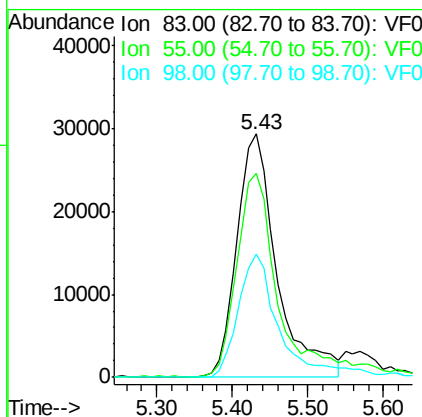
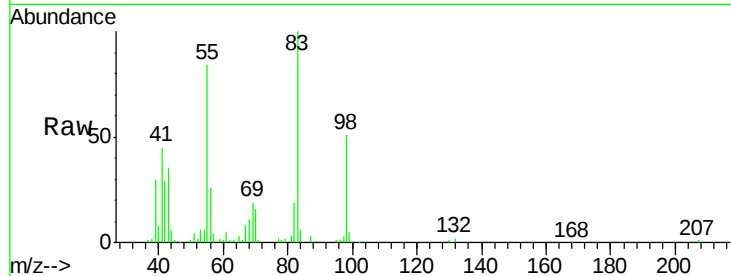
#39
Methylvlcvclohexane
Concen: 19.477 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	108501		
55	83.8	66.6	99.8	
98	50.6	40.4	60.6	

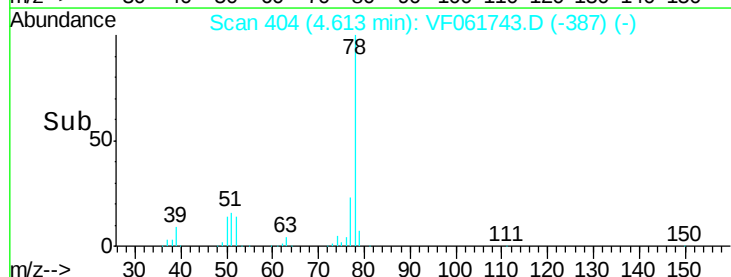
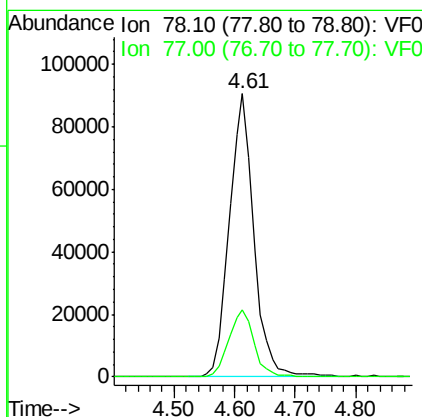
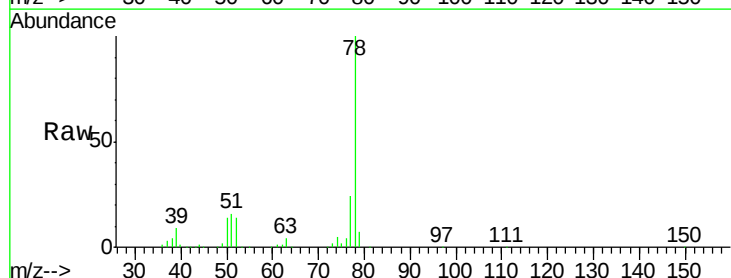
Manual Integrations
APPROVED

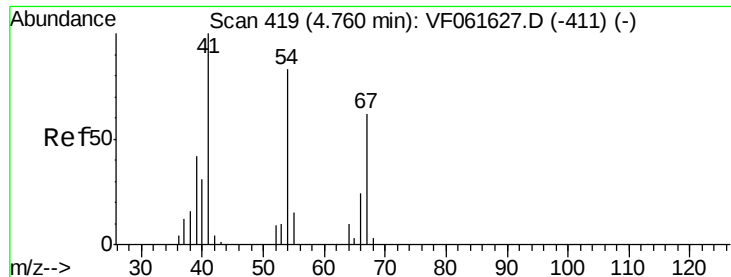
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#40
Benzene
Concen: 20.679 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	254776		
77	23.7	19.0	28.6	





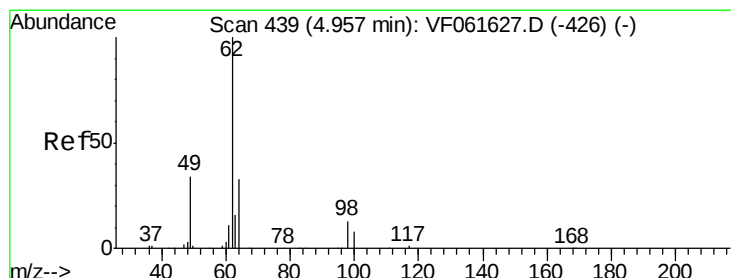
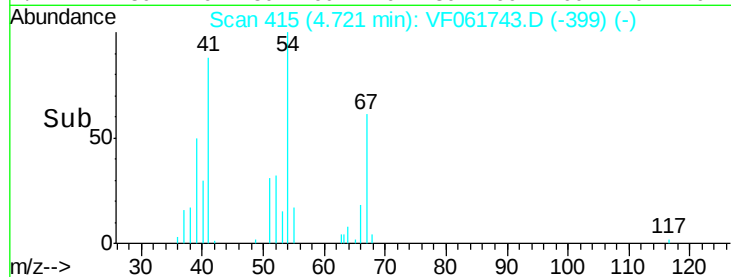
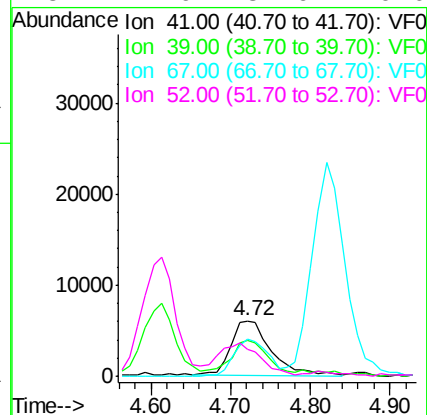
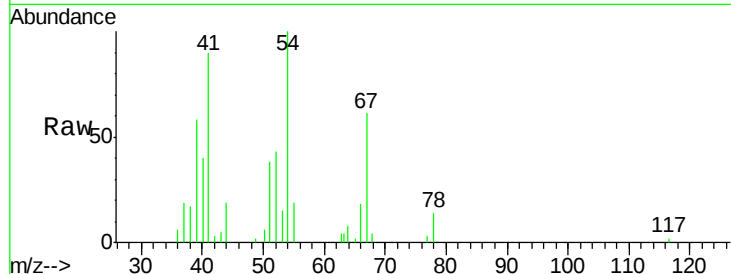
#41
Methacrylonitrile
Concen: 19.129 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion:	41	Resp:	21402
Ion	Ratio	Lower	Upper
41	100		
39	64.0	45.3	67.9
67	67.8	49.3	73.9
52	47.9	32.6	49.0

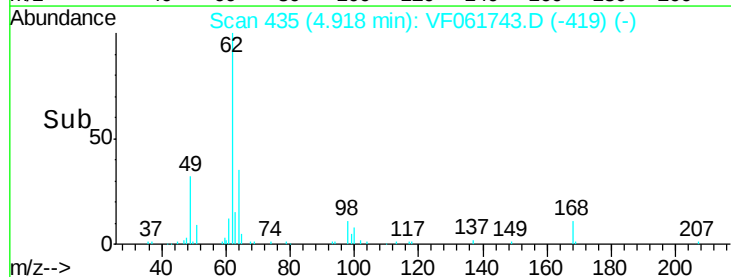
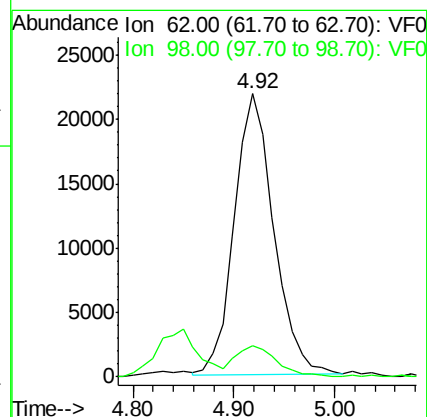
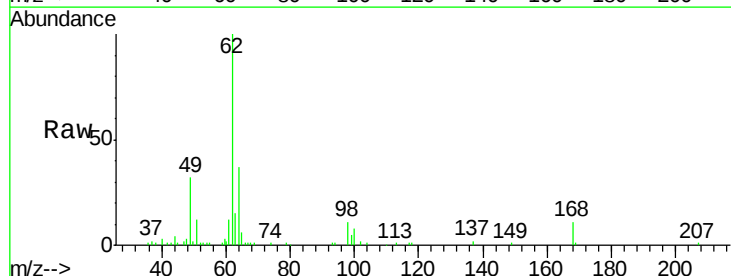
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.198 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion:	62	Resp:	59527
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	26.0





#43

Isopropyl Acetate

Concen: 17.395 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

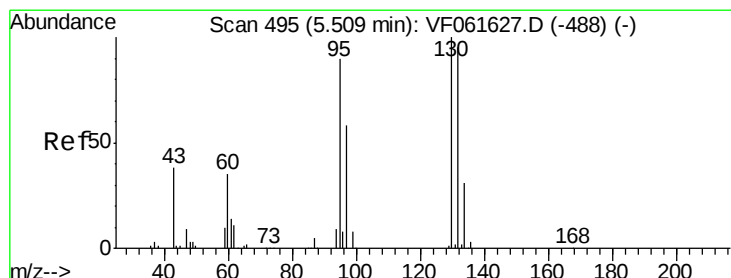
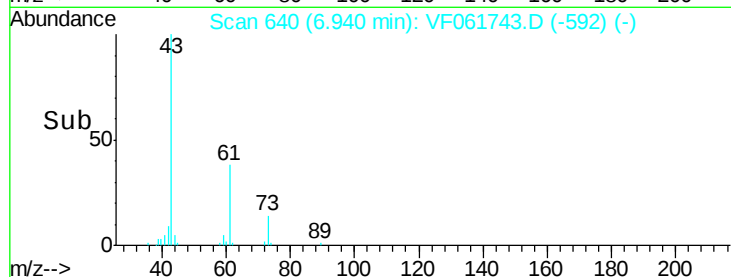
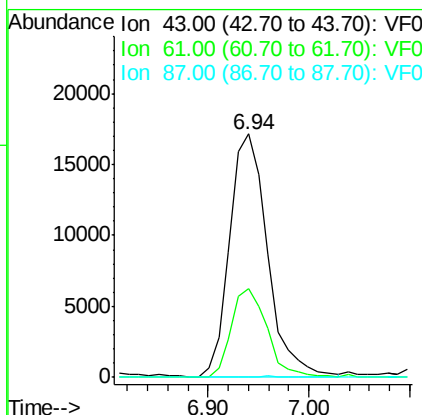
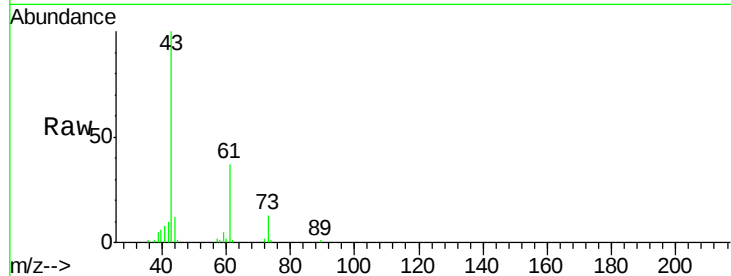
ClientSampleId :

VF0226SBS01

Tot Ion:	43	Resp:	45048
Ion	Ratio	Lower	Upper
43	100		
61	36.7	25.8	38.6
87	0.0	0.4	0.6

Manual Integrations
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2/27/2019 3:19:22 PM



#44

Trichloroethene

Concen: 21.118 ug/l

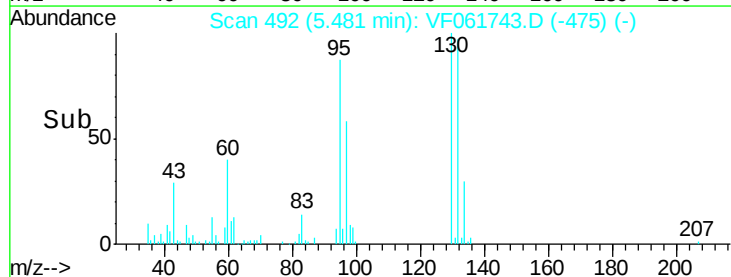
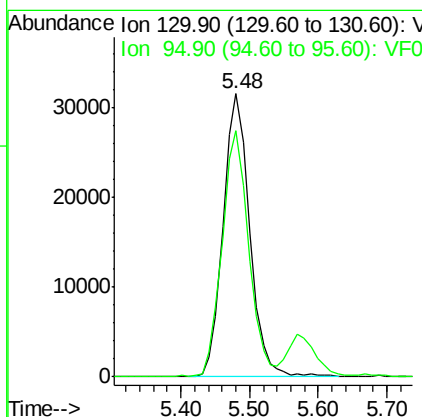
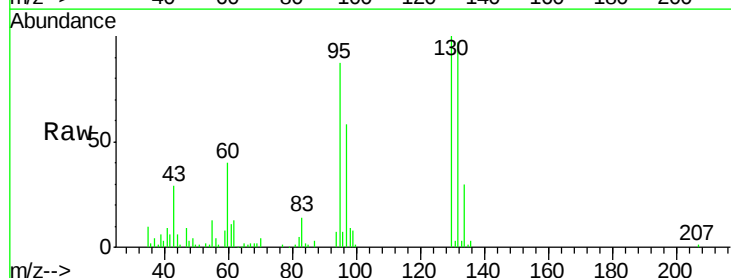
RT: 5.48 min Scan# 492

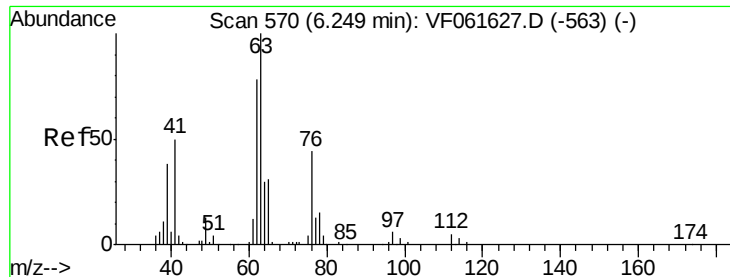
Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	130	Resp:	84140
Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	179.4





#45

1,2-Dichloropropane

Concen: 20.489 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampled :

VF0226SBS01

Tot Ion: 63 Resp: 61019

Ion Ratio Lower Upper

63 100

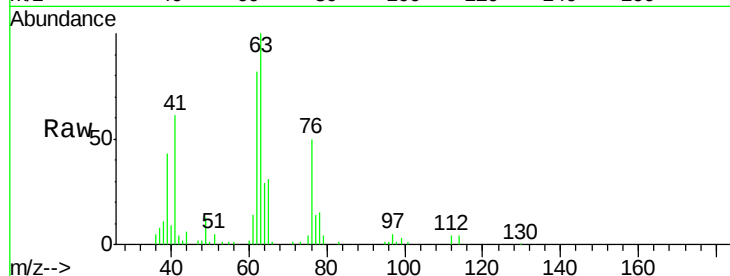
65 30.5 24.9 37.3

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

25000

20000

15000

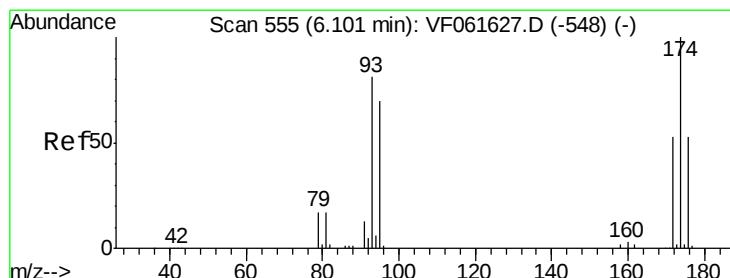
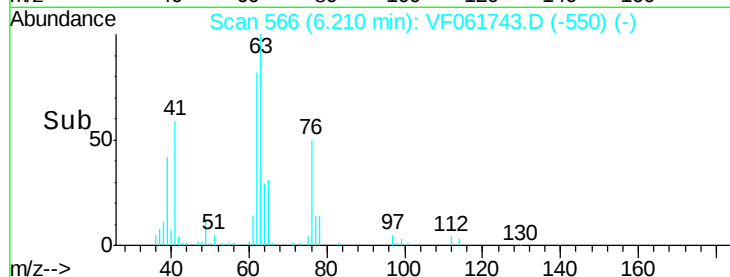
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 19.694 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

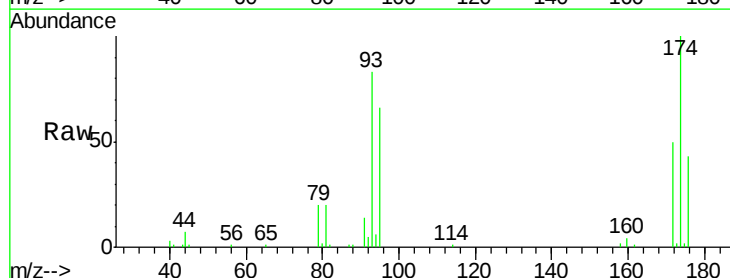
Tgt Ion: 93 Resp: 36112

Ion Ratio Lower Upper

93 100

95 79.3 69.0 103.6

174 120.4 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

20000

15000

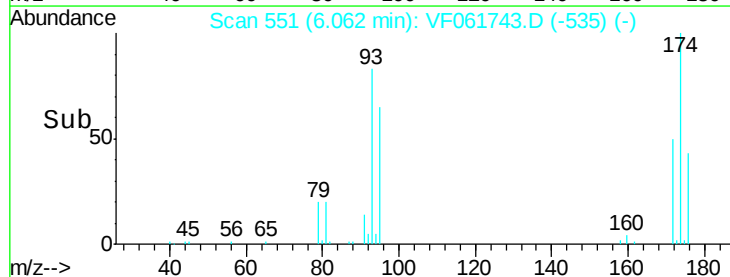
10000

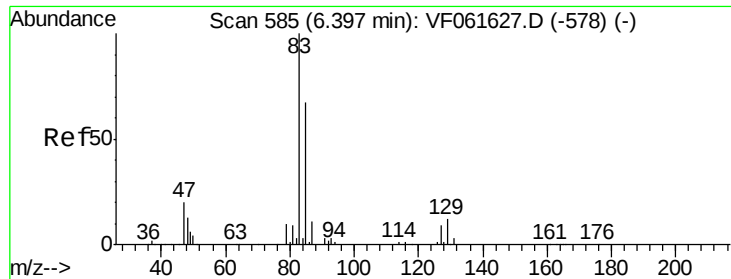
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 20.699 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

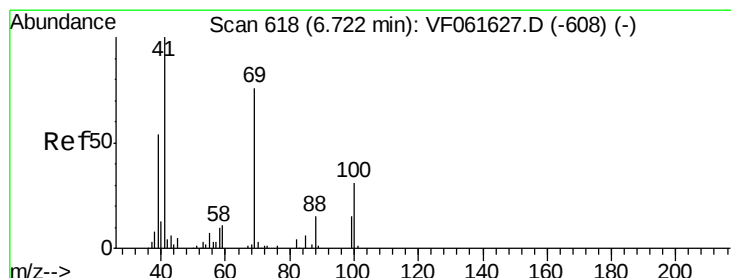
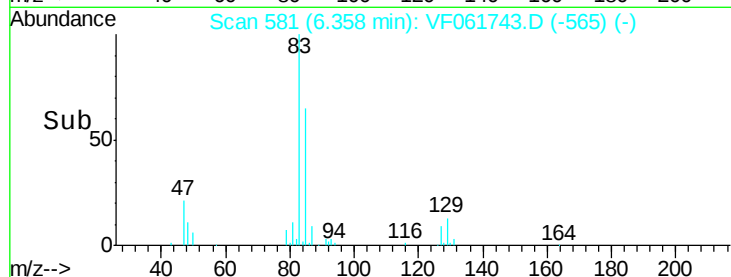
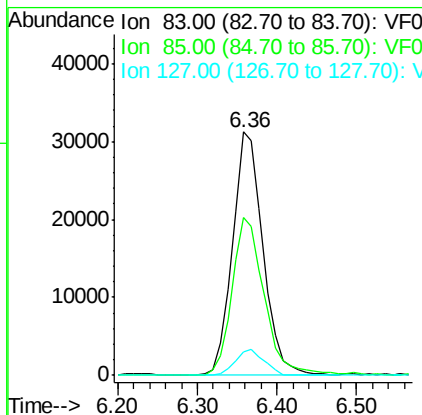
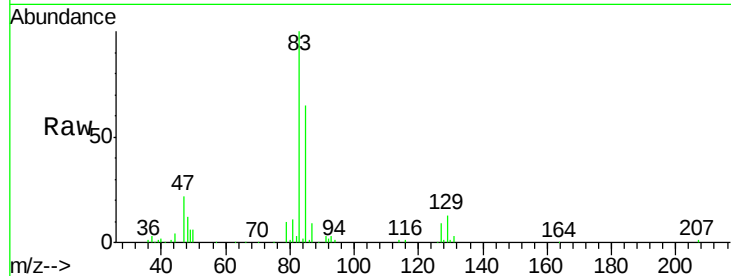
ClientSampleId :

VF0226SBS01

Tot Ion:	83	Resp:	83114
Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.4	80.2
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.387 ug/l

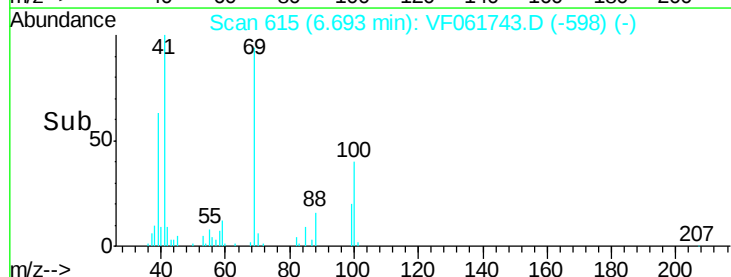
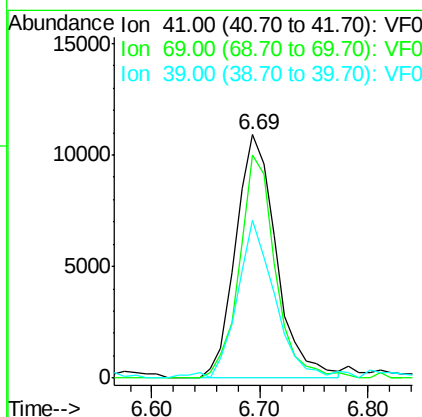
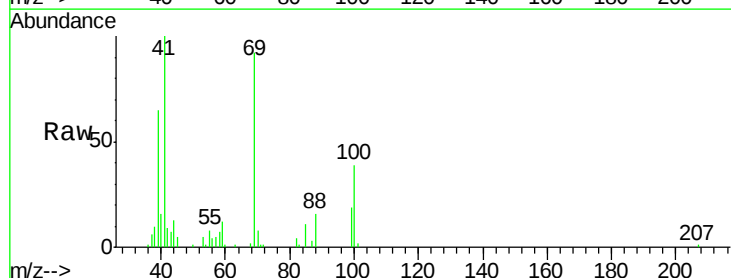
RT: 6.69 min Scan# 615

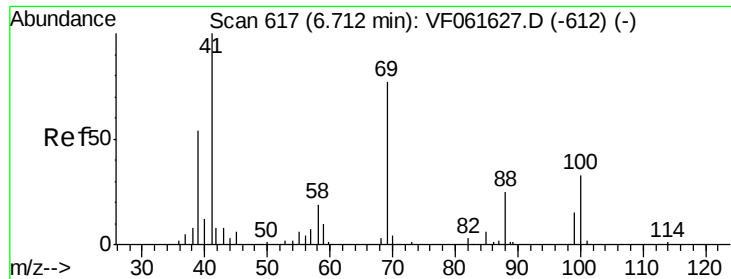
Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	41	Resp:	28656
Ion	Ratio	Lower	Upper
41	100		
69	91.9	60.4	90.6#
39	64.7	43.7	65.5





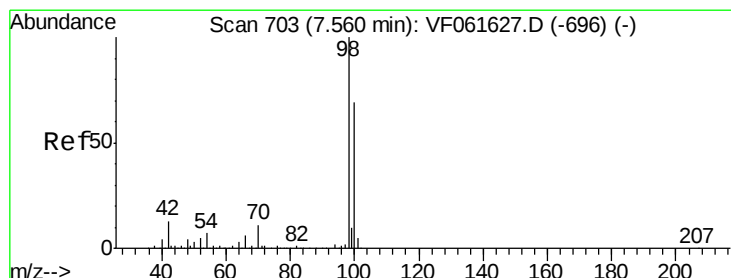
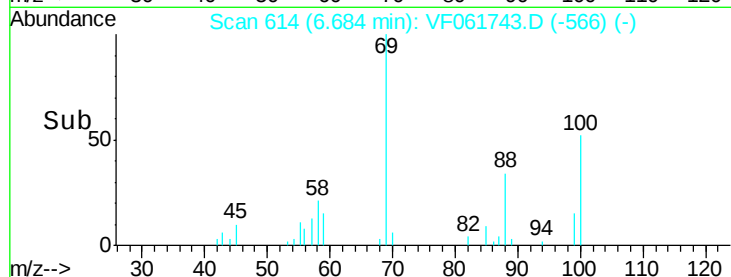
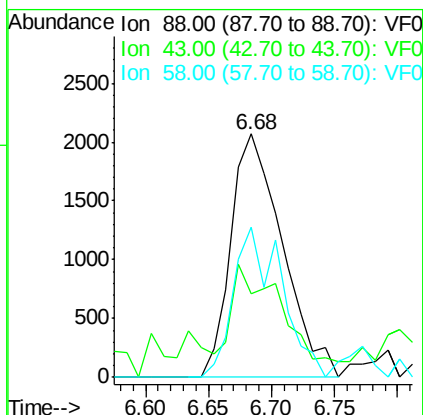
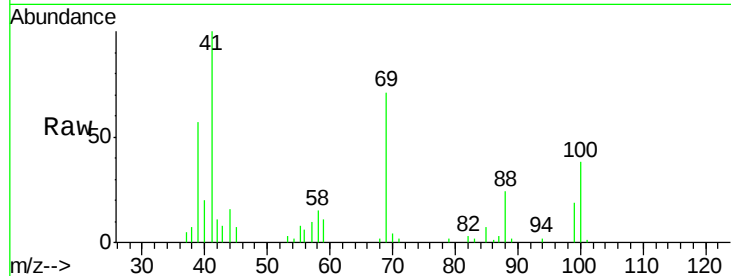
#49
1,4-Dioxane
Concen: 400.540 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5868		
43	34.3		32.3	48.5
58	61.9		59.4	89.2

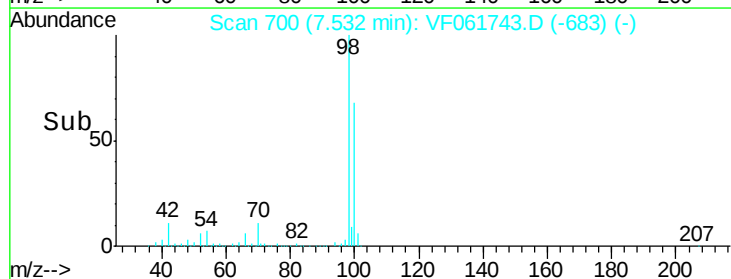
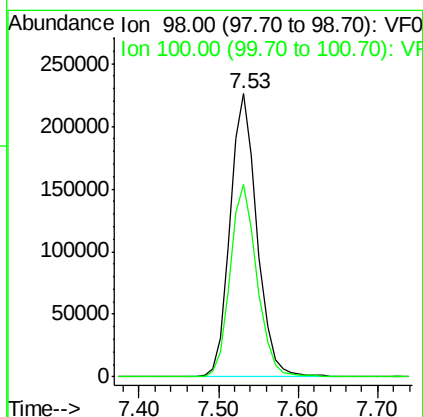
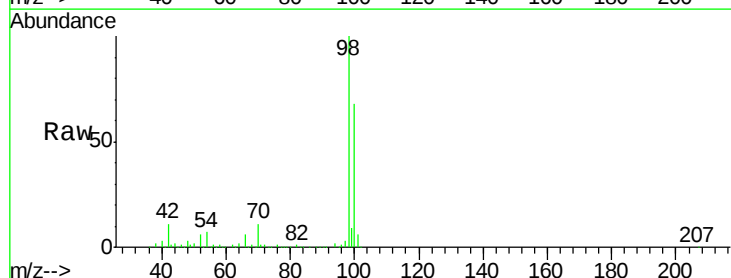
Manual Integrations
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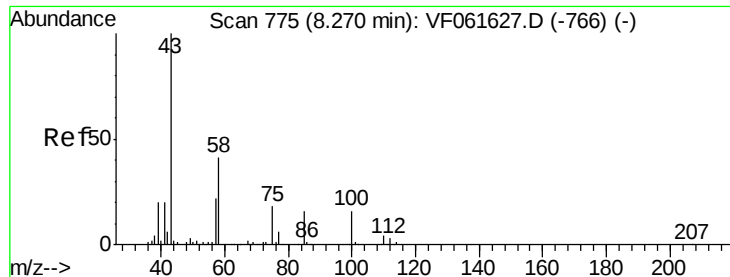
MMDadoda
2/27/2019 3:19:22 PM



#50
Toluene-d8
Concen: 52.570 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	533621		
100	68.0		55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 92.799 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 43 Resp: 171717

Ion Ratio Lower Upper

43 100

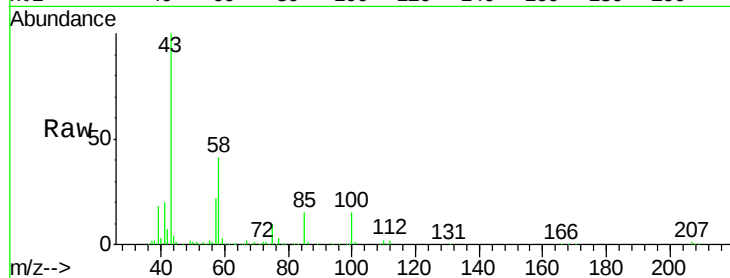
58 40.9 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.23

60000

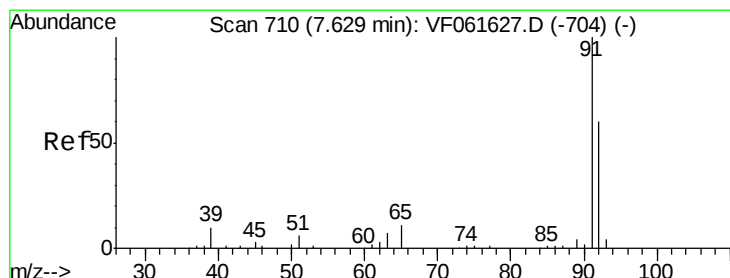
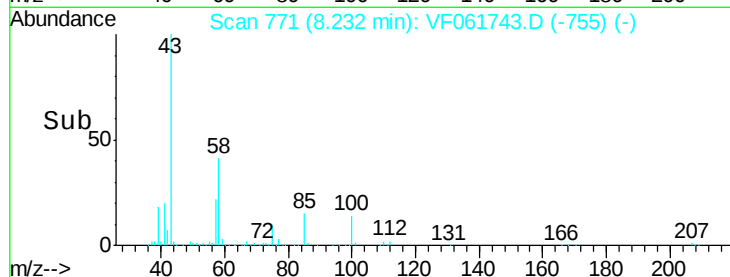
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 20.822 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061743.D

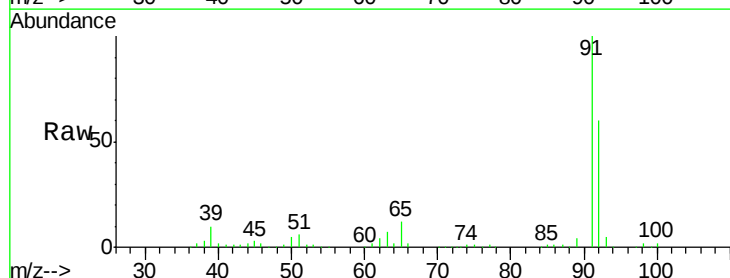
Acq: 26 Feb 2019 15:37

Tgt Ion: 92 Resp: 155589

Ion Ratio Lower Upper

92 100

91 167.9 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.60

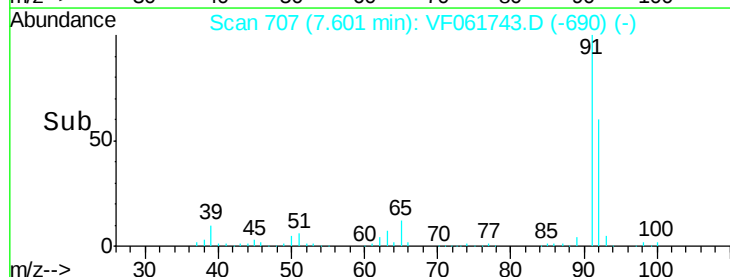
100000

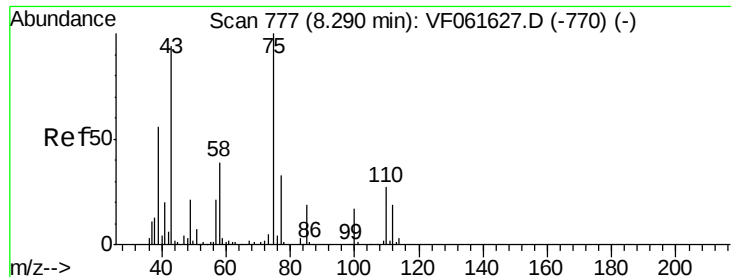
50000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.711 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tot Ion: 75 Resp: 69213

Ion Ratio Lower Upper

75 100

77 30.4 26.2 39.2

Instrument :

MSVOA_F

ClientSampleId :

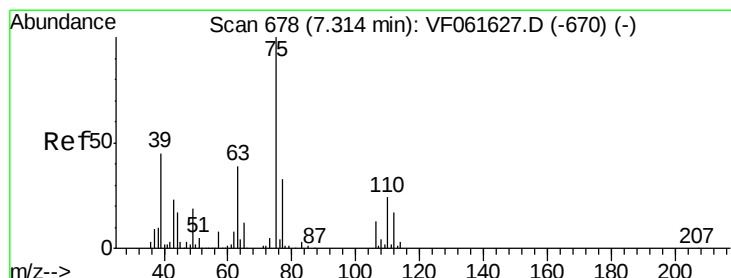
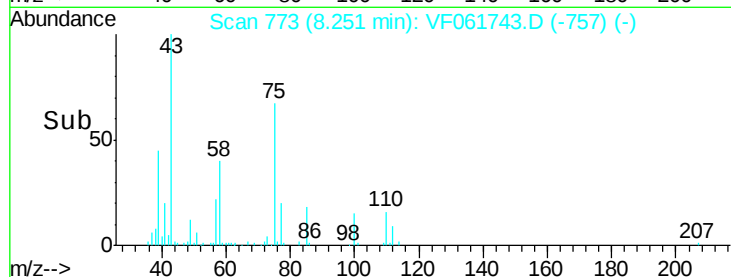
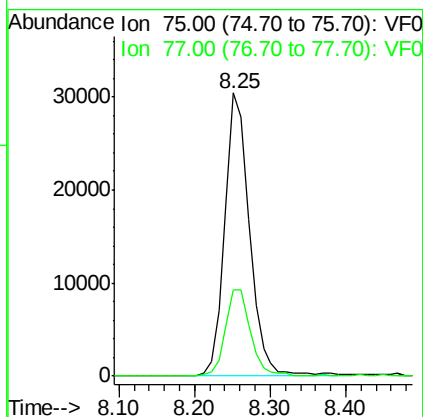
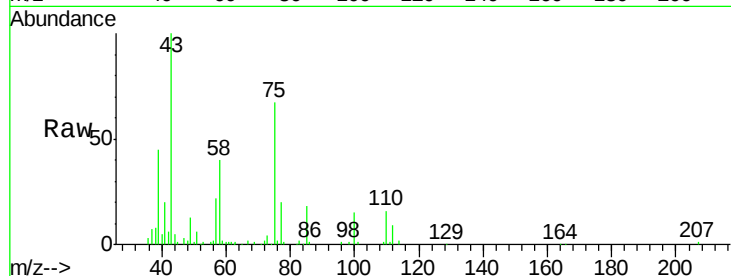
VF0226SBS01

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.479 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

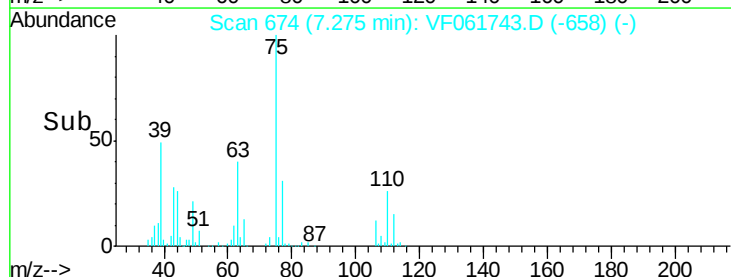
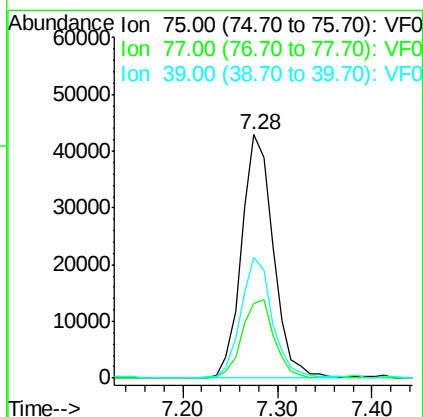
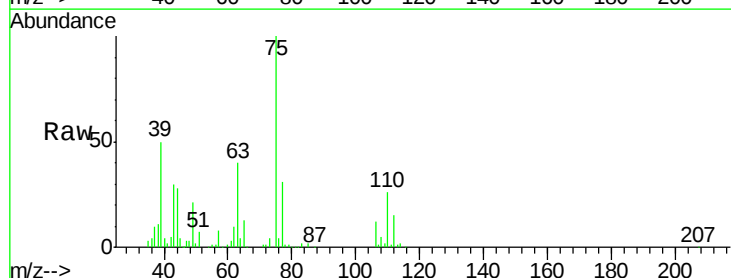
Tgt Ion: 75 Resp: 100061

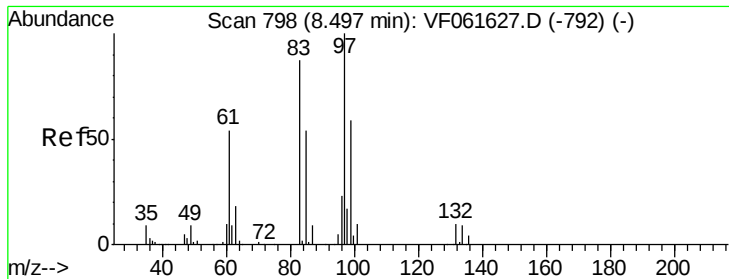
Ion Ratio Lower Upper

75 100

77 30.7 26.4 39.6

39 49.6 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.313 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

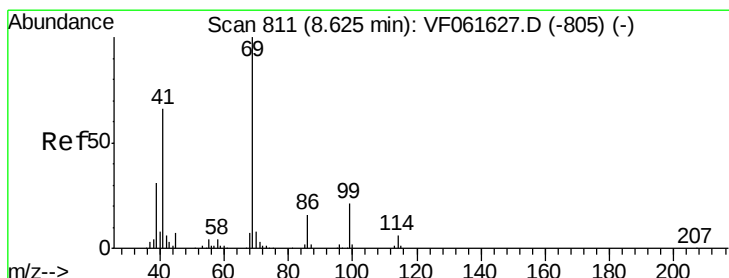
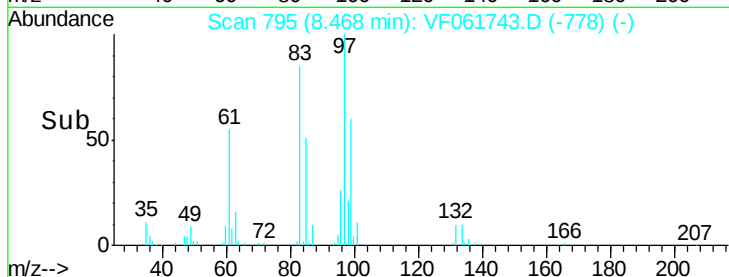
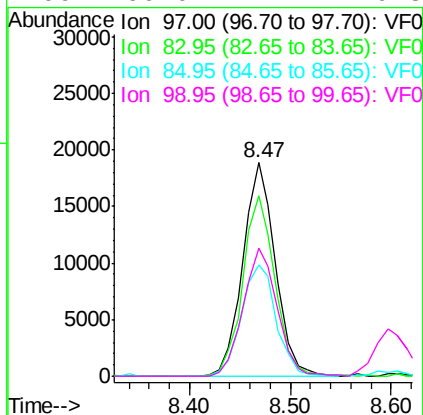
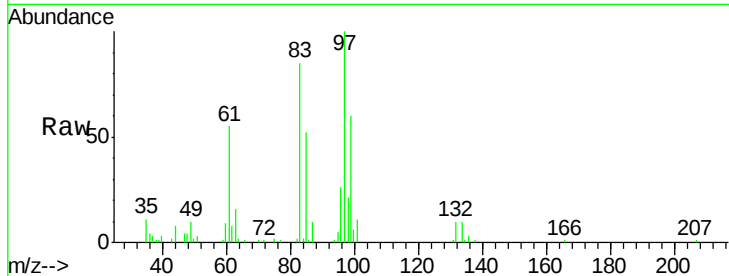
ClientSampleId :

VF0226SBS01

Tot Ion:	97	Resp:	42399
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.2	103.8
85	52.3	43.0	64.4
99	60.0	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.977 ug/l

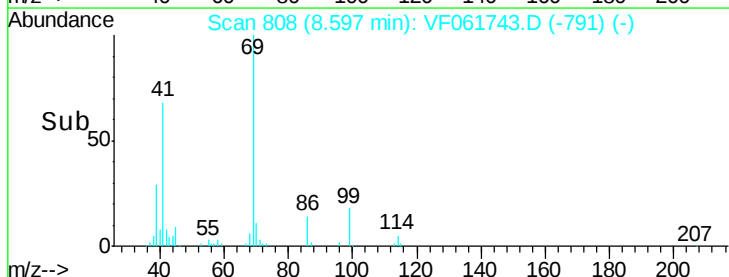
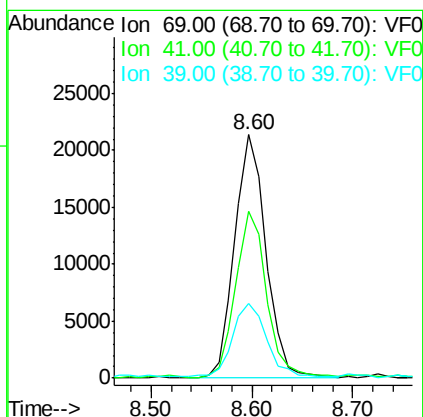
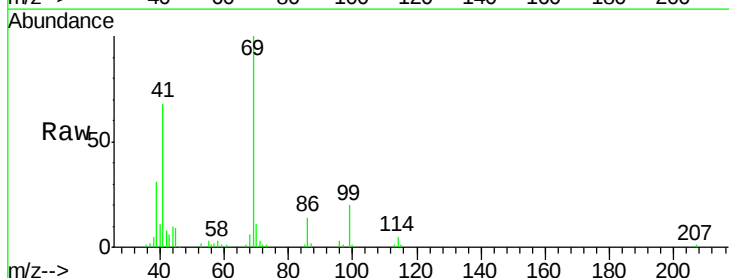
RT: 8.60 min Scan# 808

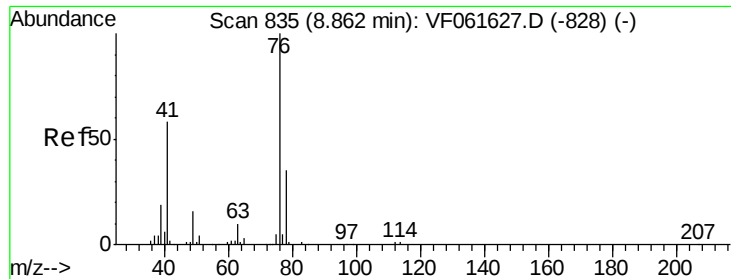
Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	69	Resp:	46385
Ion	Ratio	Lower	Upper
69	100		
41	68.4	52.9	79.3
39	30.8	24.5	36.7





#57

1,3-Dichloropropane

Concen: 18.537 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 76 Resp: 67926

Ion Ratio Lower Upper

76 100

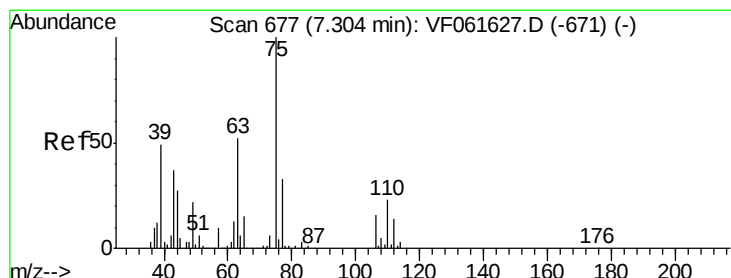
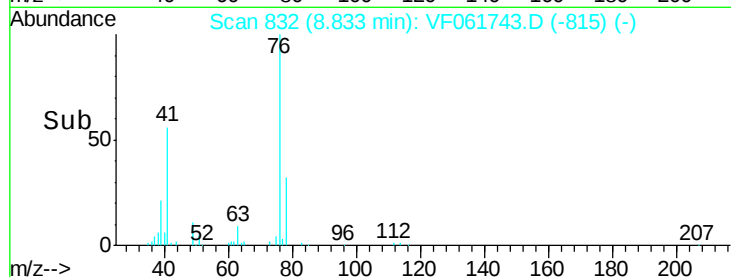
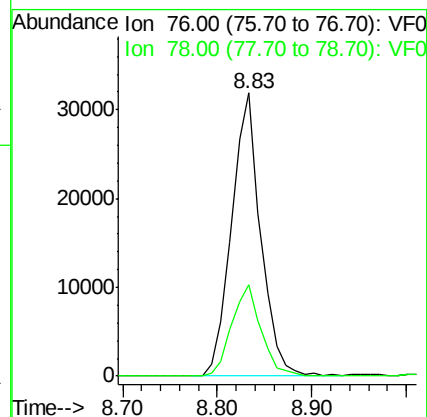
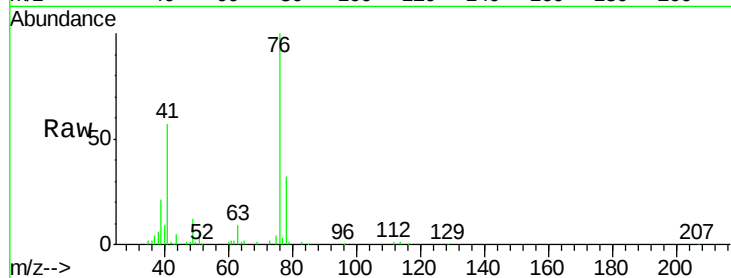
78 32.3 27.8 41.6

Manual Integrations

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MMDadoda

2/27/2019 3:19:22 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.136 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061743.D

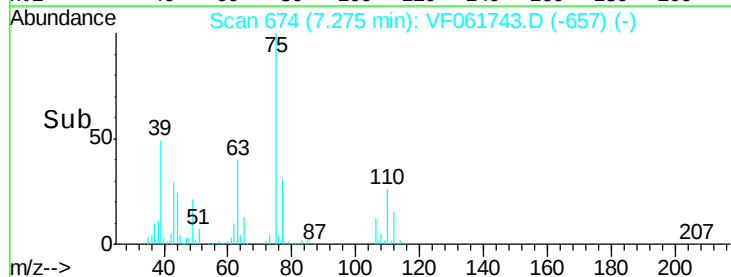
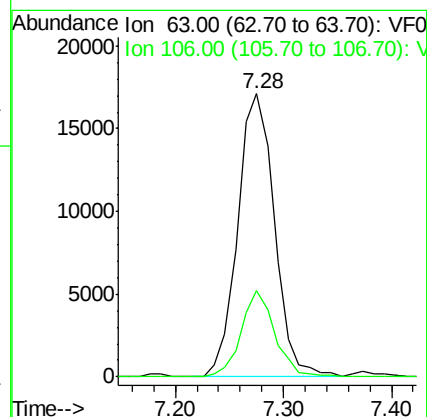
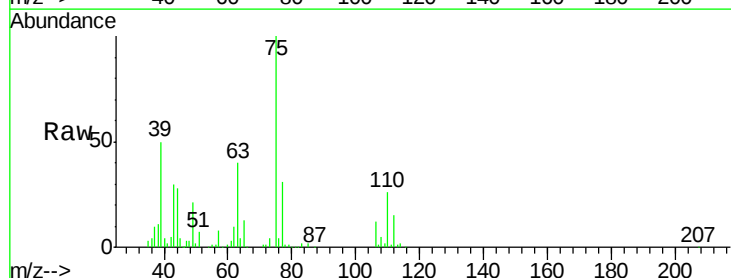
Acq: 26 Feb 2019 15:37

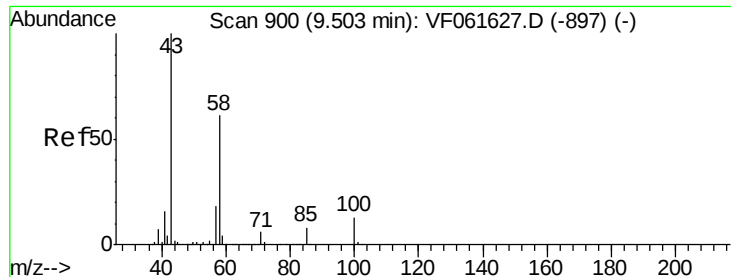
Tgt Ion: 63 Resp: 40543

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





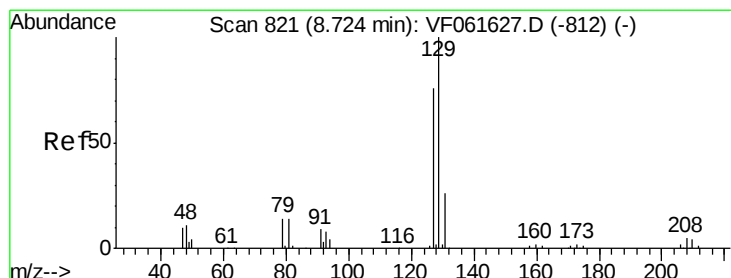
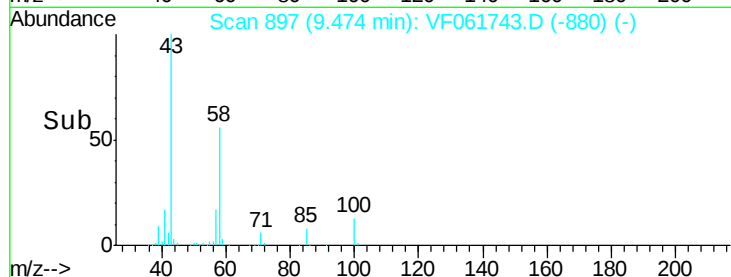
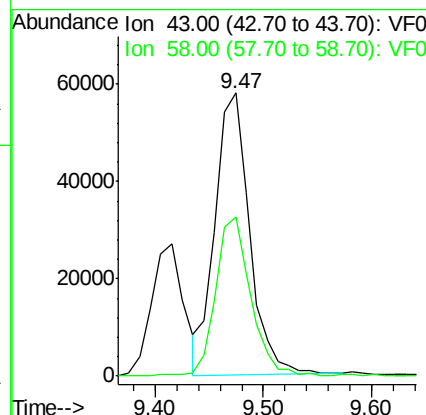
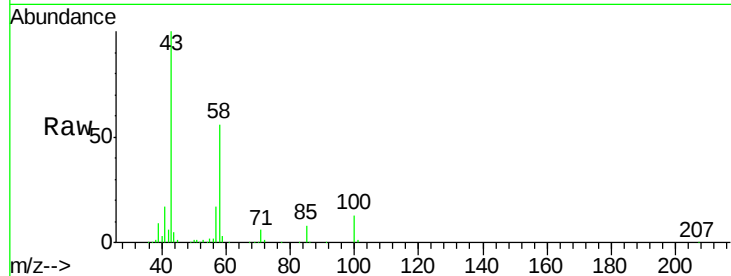
#59
2-Hexanone
Concen: 99.098 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion: 43 Resp: 128540
Ion Ratio Lower Upper
43 100
58 56.1 28.5 85.5

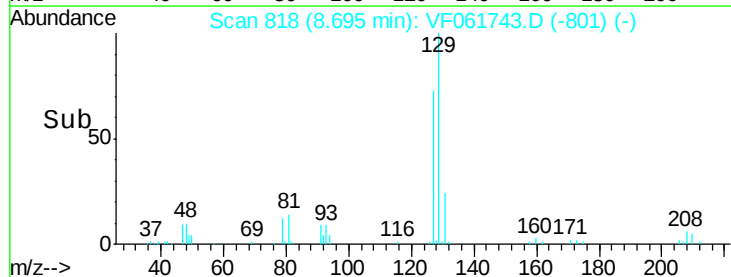
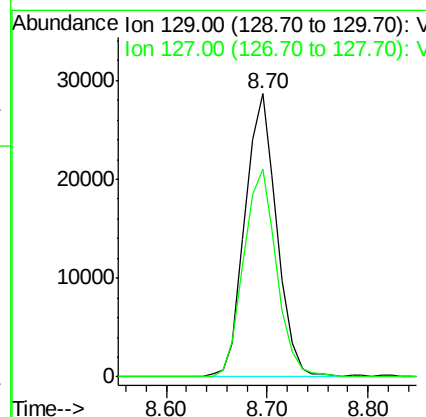
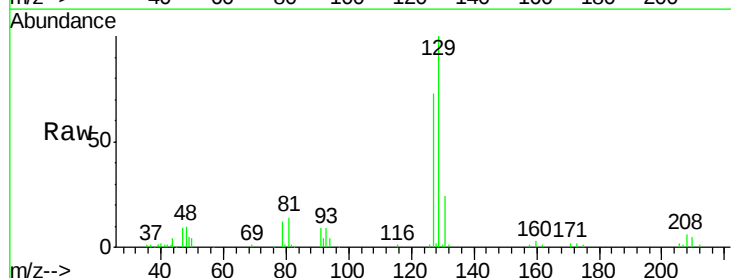
Manual Integrations
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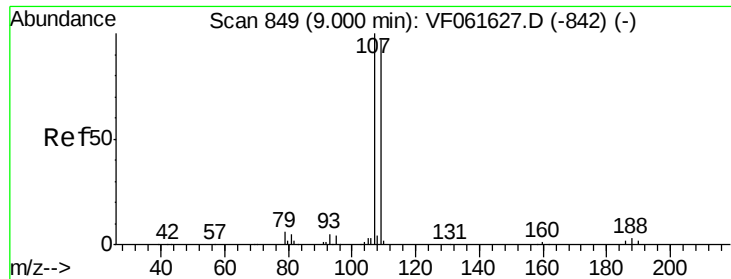
MMDadoda
2/27/2019 3:19:22 PM



#60
Dibromochloromethane
Concen: 20.622 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion: 129 Resp: 63014
Ion Ratio Lower Upper
129 100
127 73.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.280 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:107 Resp: 45910

Ion Ratio Lower Upper

107 100

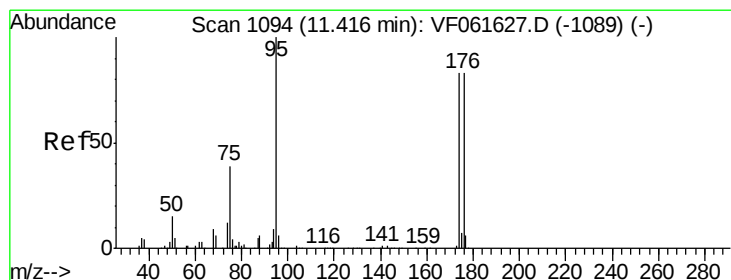
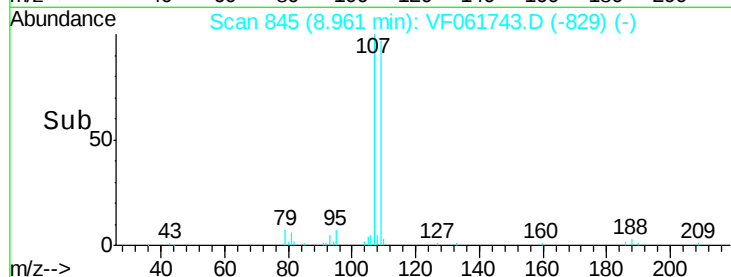
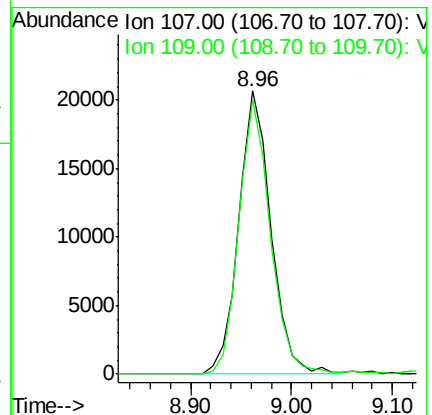
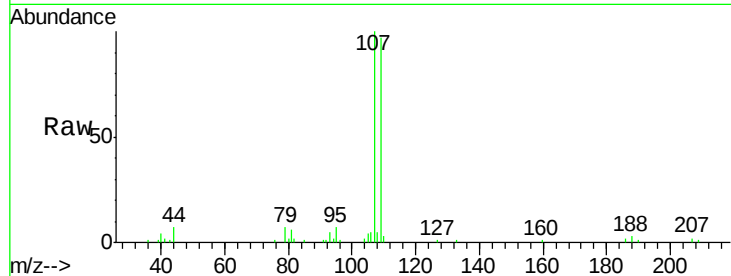
109 97.1 77.4 116.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.666 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

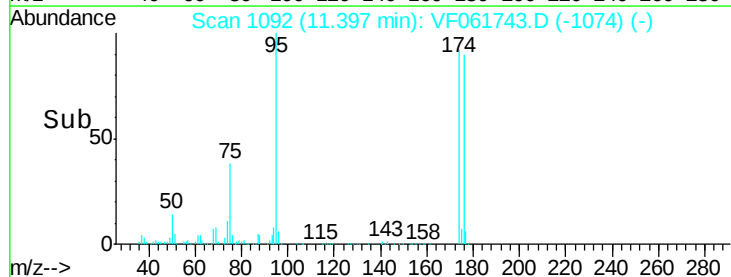
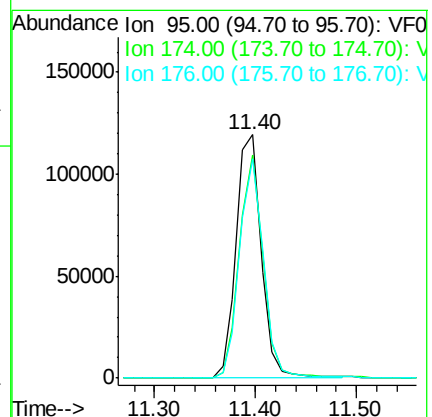
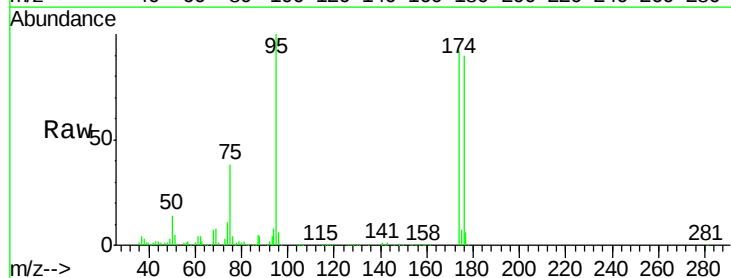
Tgt Ion: 95 Resp: 208094

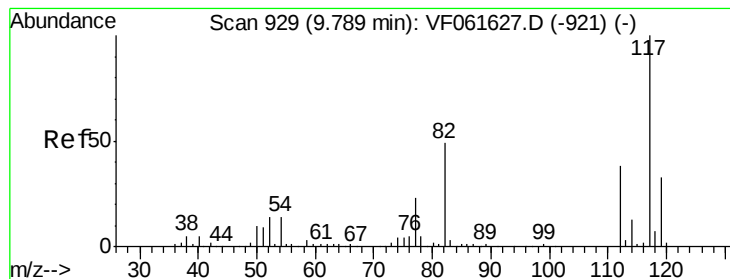
Ion Ratio Lower Upper

95 100

174 91.7 0.0 165.8

176 90.0 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

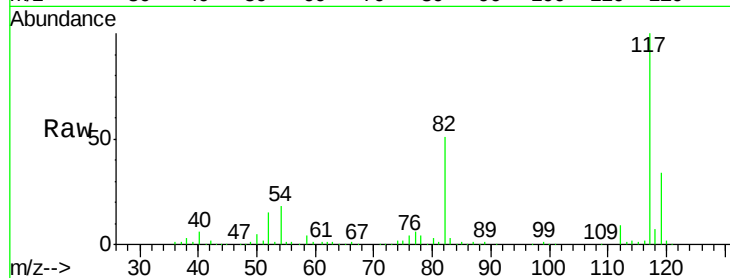
ClientSampleId :

VF0226SBS01

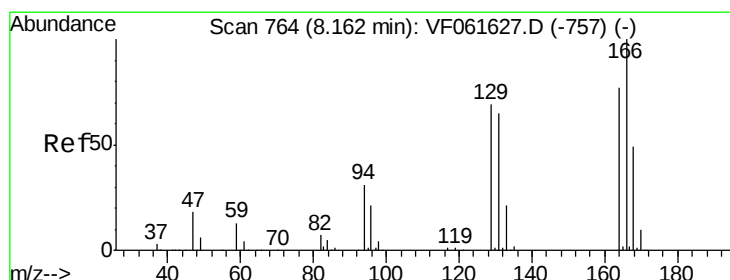
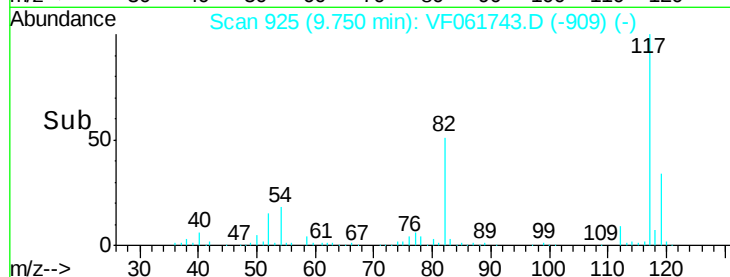
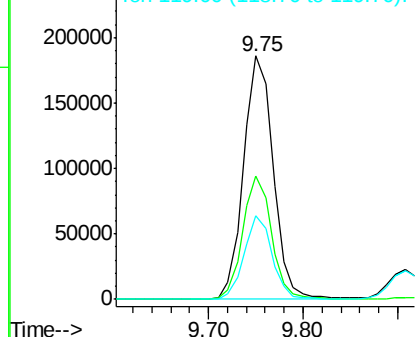
Tot Ion:	117	Resp:	406573
Ion Ratio	Lower	Upper	
117	100		
82	50.8	39.3	58.9
119	34.3	26.6	40.0

Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 22.185 ug/l

RT: 8.13 min Scan# 761

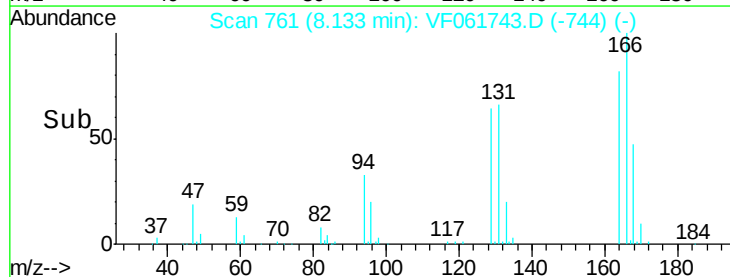
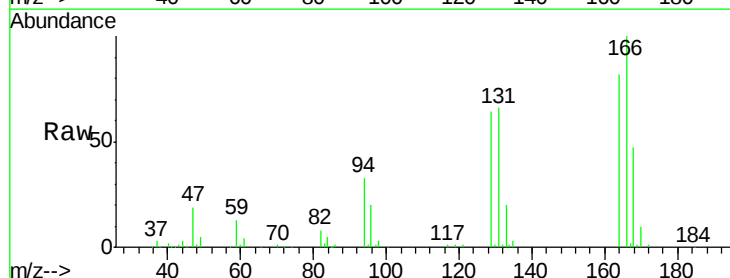
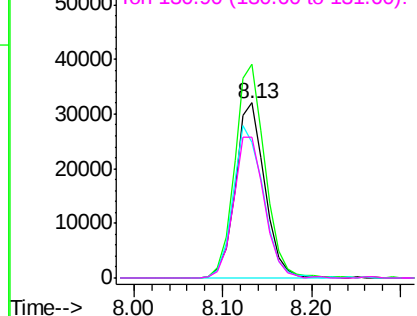
Delta R.T. -0.03 min

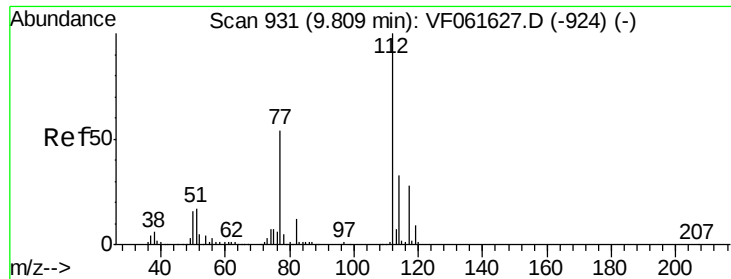
Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	164	Resp:	73727
Ion Ratio	Lower	Upper	
164	100		
166	122.2	103.9	155.9
129	77.7	71.3	106.9
131	80.4	67.1	100.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





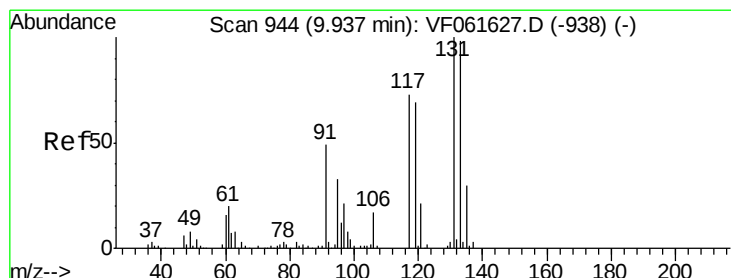
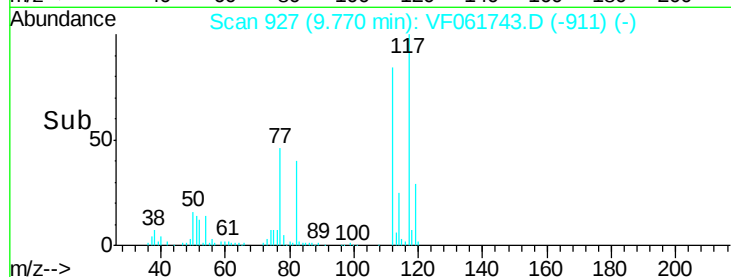
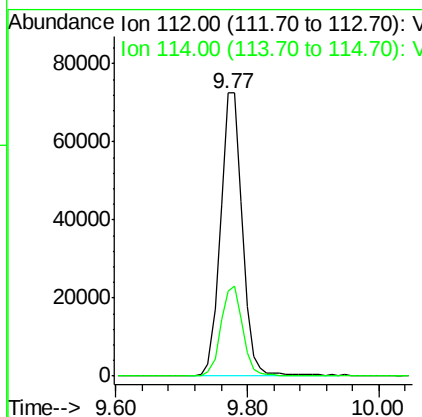
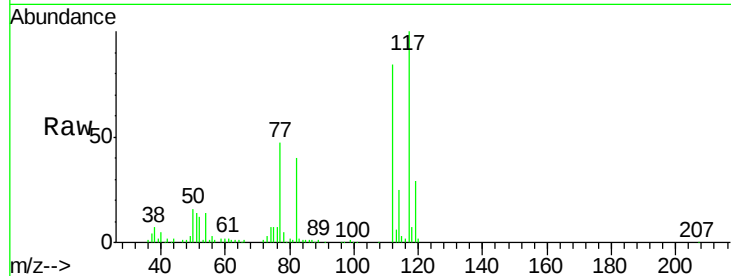
#65
Chlorobenzene
Concen: 20.467 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	168860		
114	30.0	26.2	39.2	

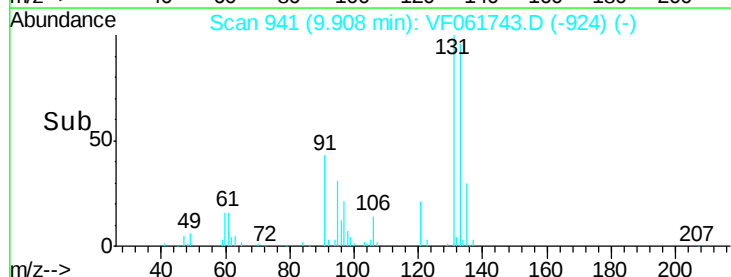
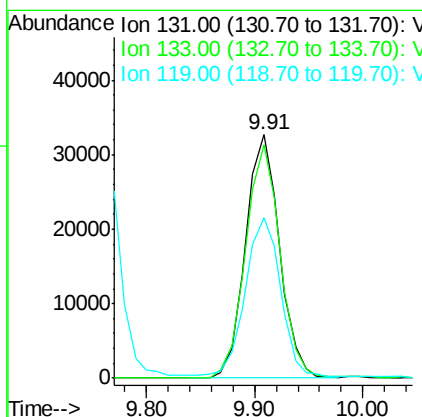
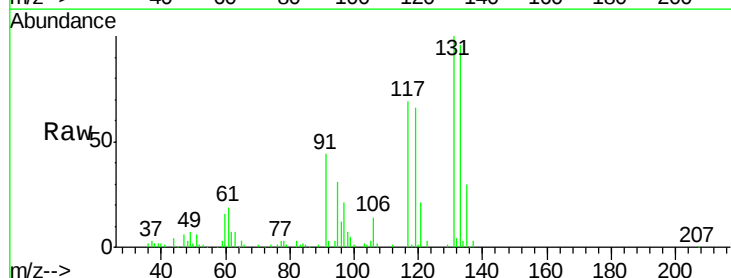
Manual Integrations
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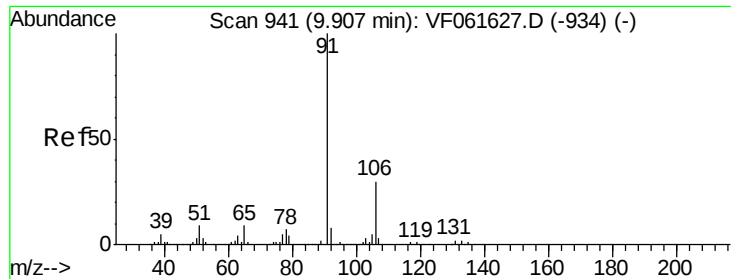
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.084 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	71395		
133	95.9	48.9	146.6	
119	65.7	34.8	104.3	





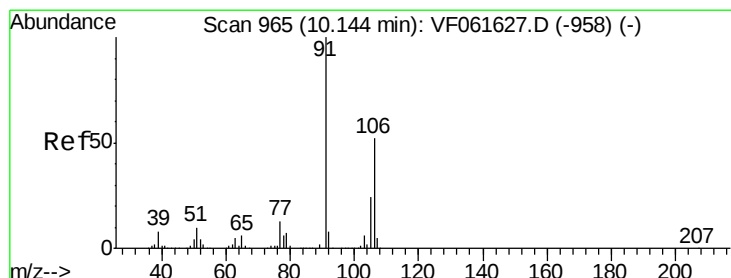
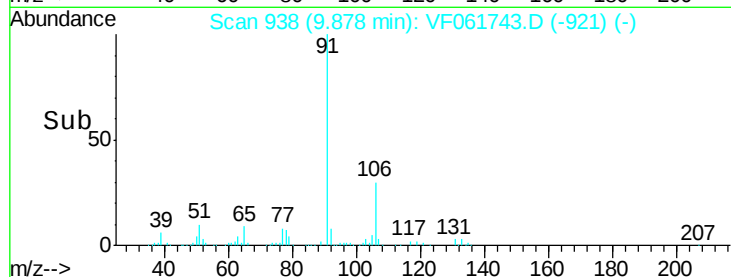
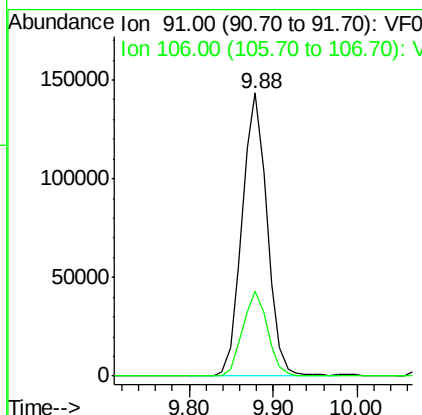
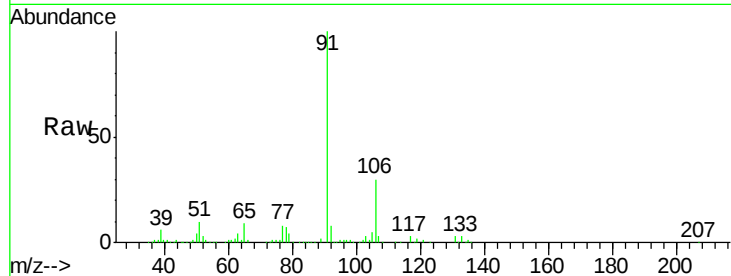
#67
Ethyl Benzene
Concen: 21.760 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	91	Resp	298555
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.1	36.1

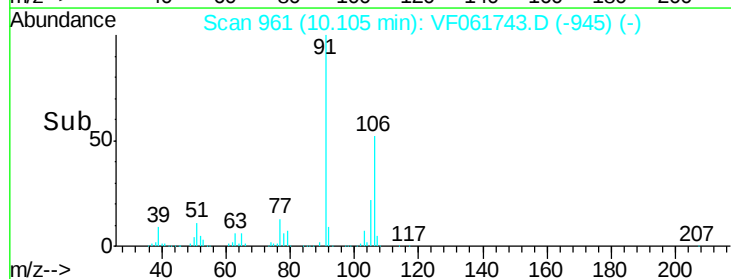
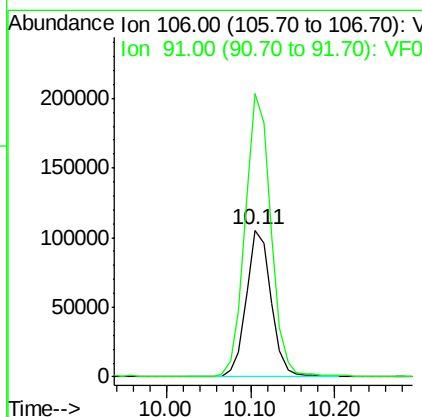
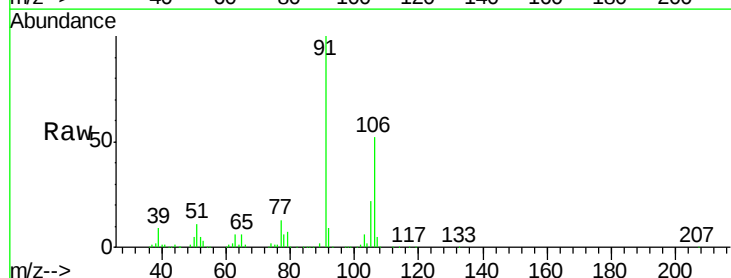
Manual Integrations
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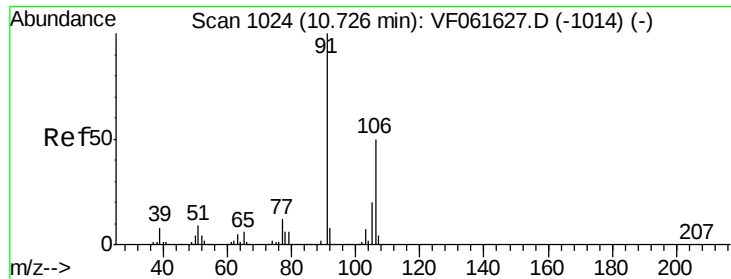
MMDadoda
2/27/2019 3:19:22 PM



#68
m/p-Xylenes
Concen: 41.539 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.04 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	106	Resp	218117
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	192.5	153.0	229.6





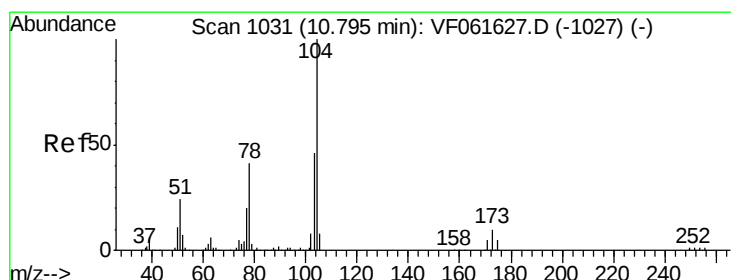
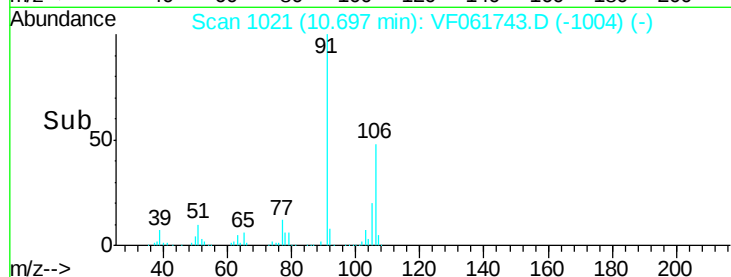
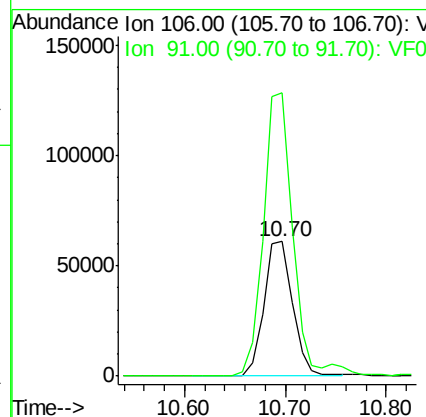
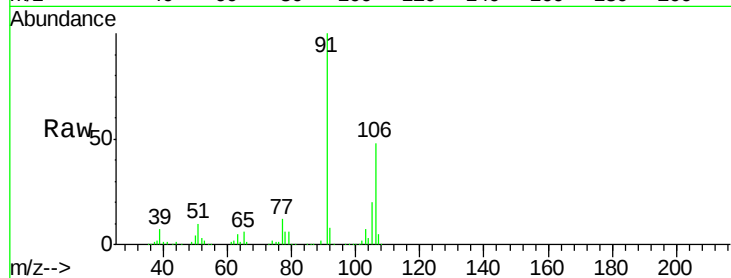
#69
o-Xylene
Concen: 21.573 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampled :
VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	120875		
91	210.3	100.1	300.1	

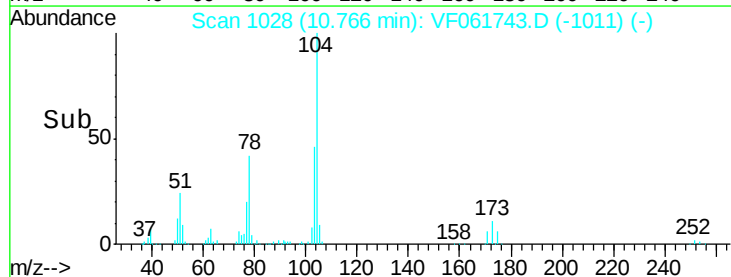
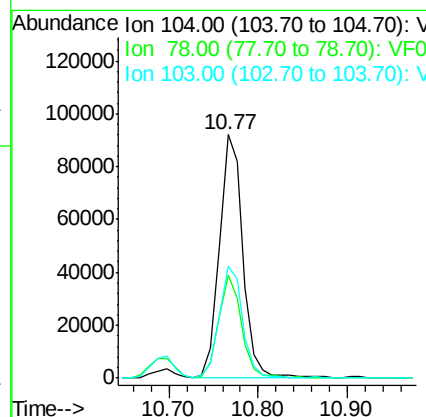
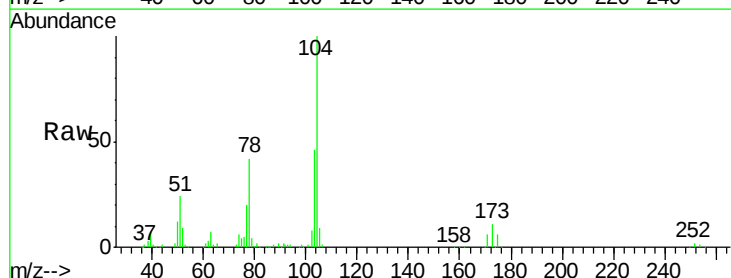
Manual Integrations
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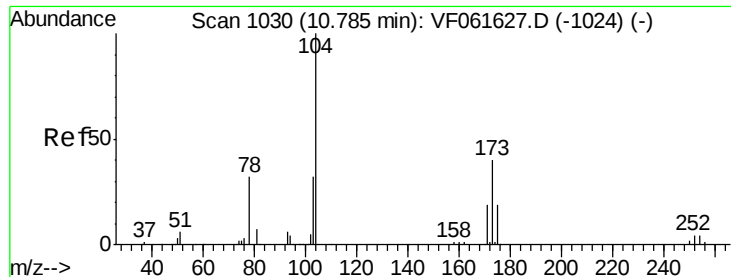
MMDadoda
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#70
Styrene
Concen: 21.381 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	169471		
78	42.2	33.2	49.8	
103	46.1	37.2	55.8	





#71

Bromoform

Concen: 20.011 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

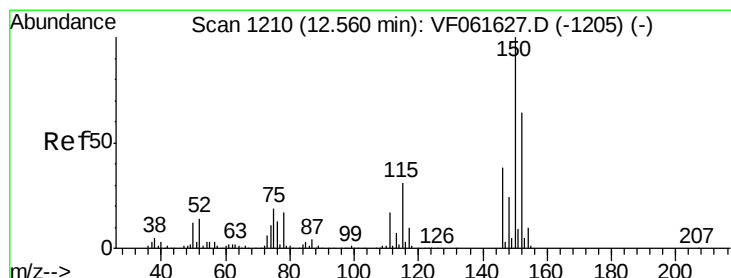
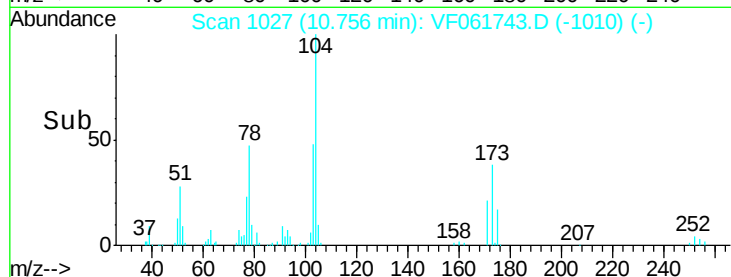
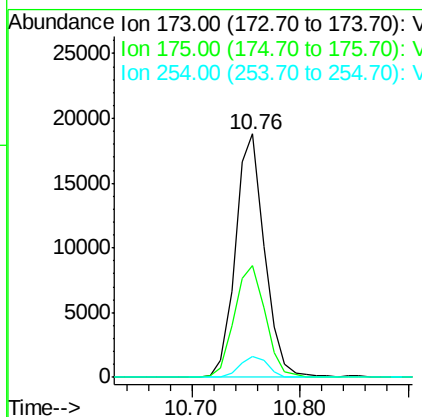
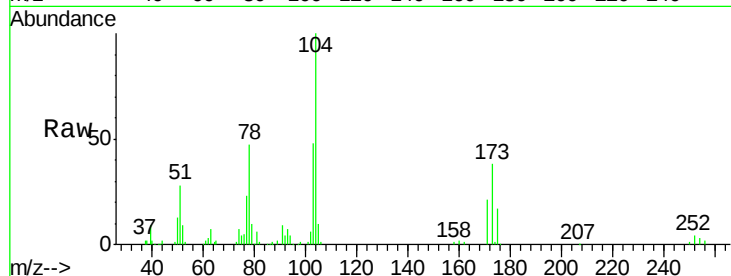
ClientSampleId :

VF0226SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	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

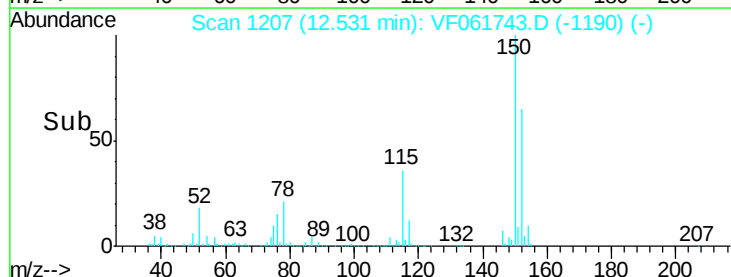
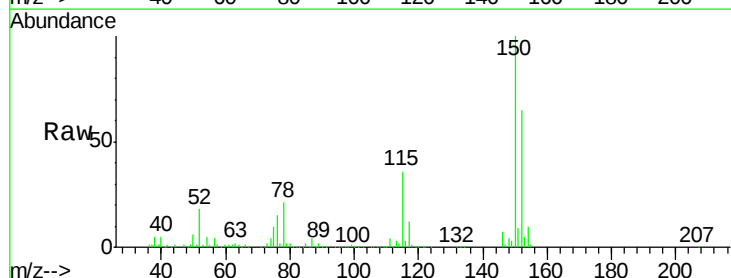
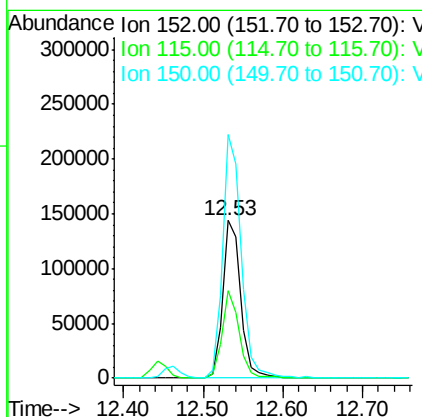
RT: 12.53 min Scan# 1207

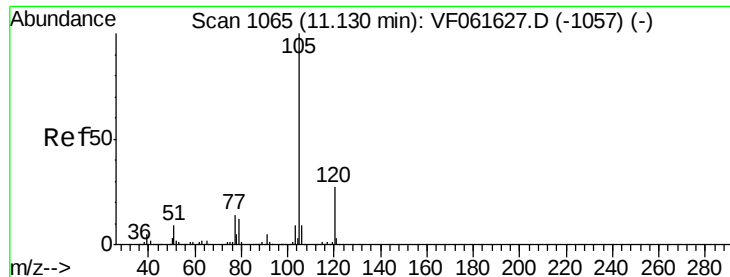
Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	24.3	72.8
150	154.6	0.0	312.0





#73

Isopropylbenzene

Concen: 21.313 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:105 Resp: 350621

Ion Ratio Lower Upper

105 100

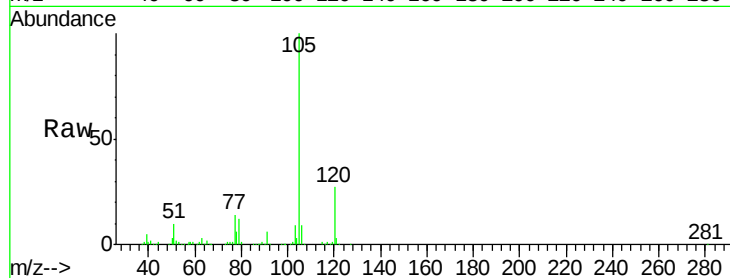
120 27.0 13.4 40.1

Manual Integrations

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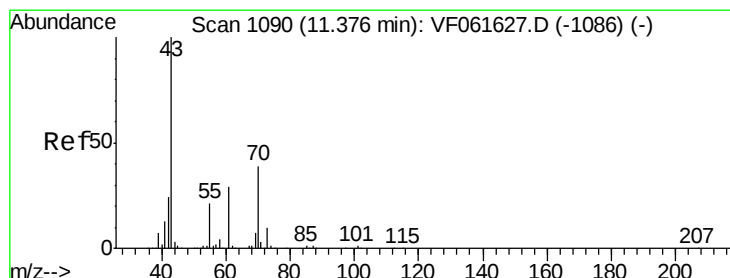
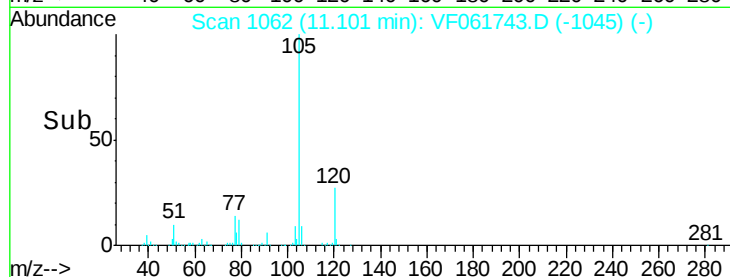
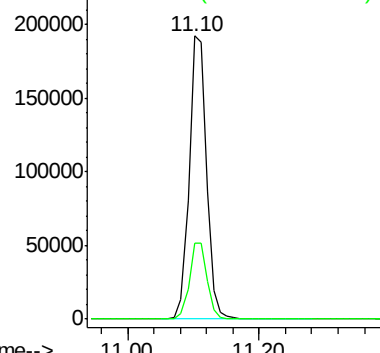
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.765 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion: 43 Resp: 78044

Ion Ratio Lower Upper

43 100

70 38.8 31.5 47.3

55 21.4 16.7 25.1

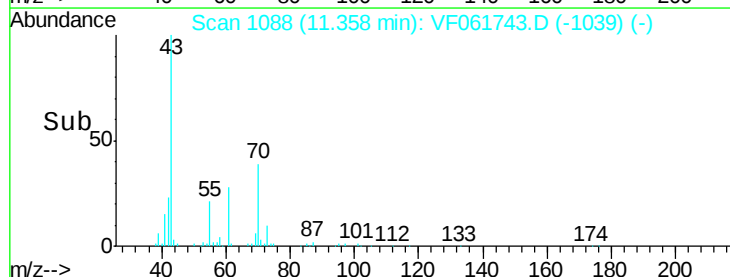
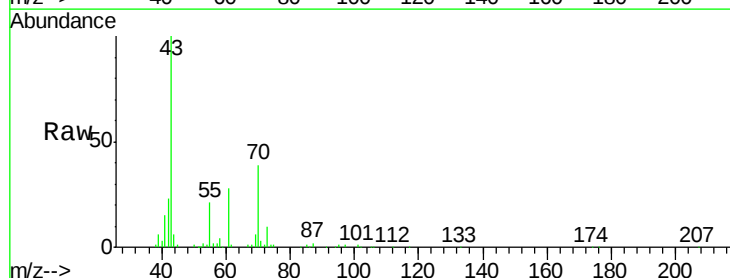
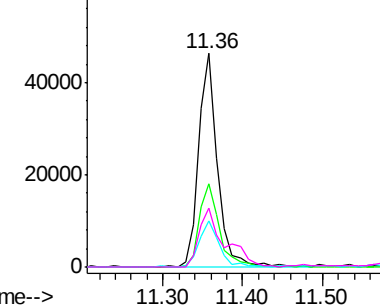
61 27.8 23.0 34.6

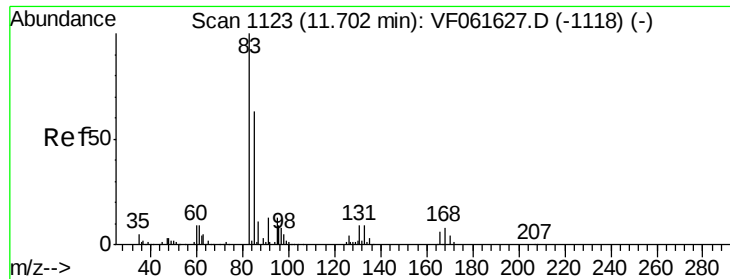
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.191 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

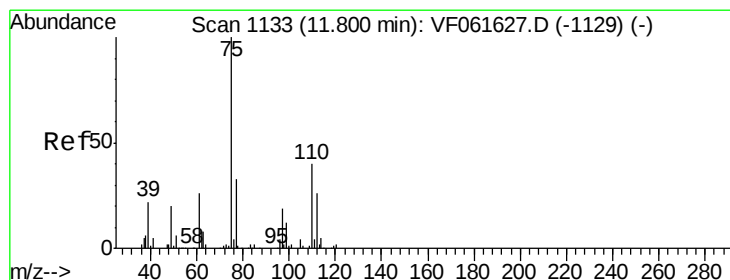
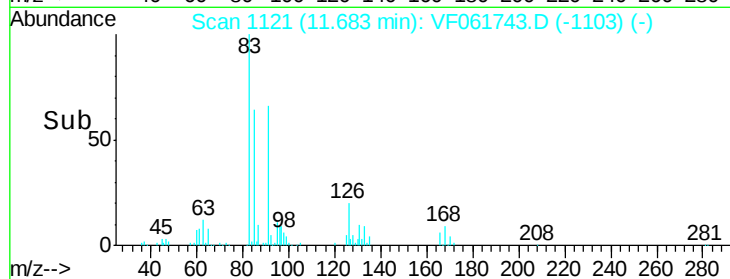
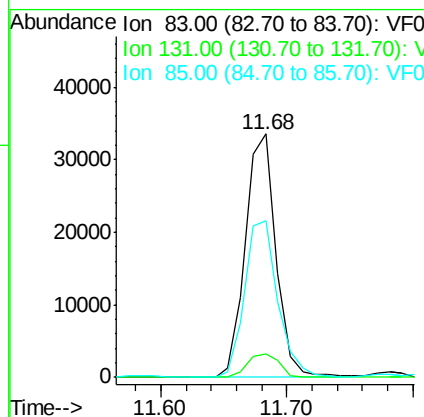
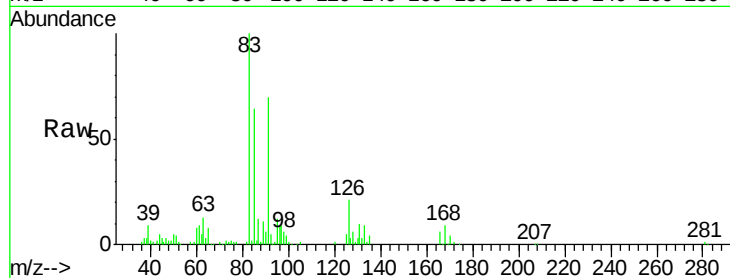
ClientSampleId :

VF0226SBS01

Tot Ion:	83	Resp:	56561
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.4	13.2
85	64.5	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.693 ug/l

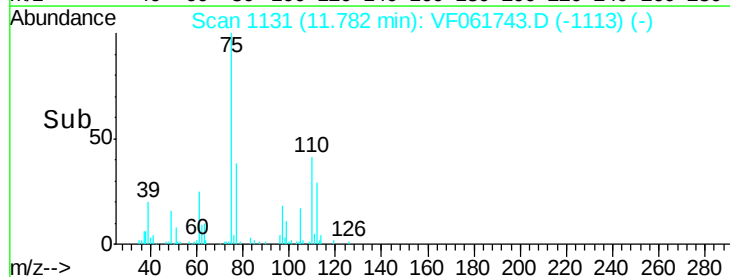
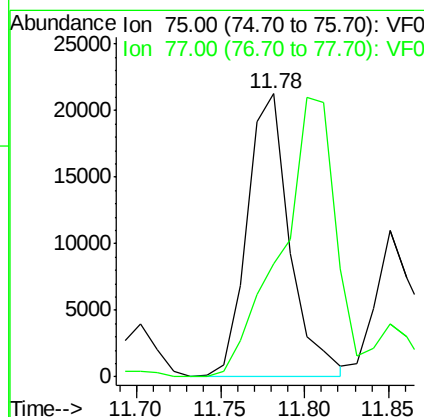
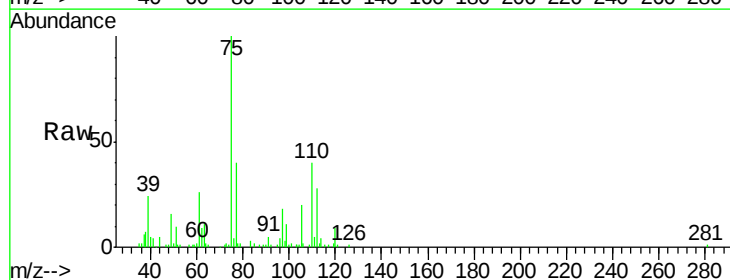
RT: 11.78 min Scan# 1131

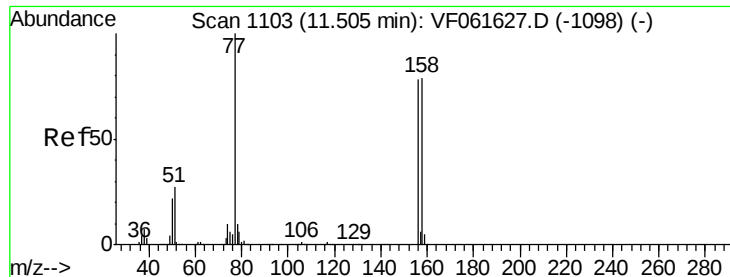
Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	75	Resp:	37457
Ion Ratio	Lower	Upper	
75	100		
77	39.8	16.6	49.7





#77

Bromobenzene

Concen: 20.563 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion:156 Resp: 83571

Ion Ratio Lower Upper

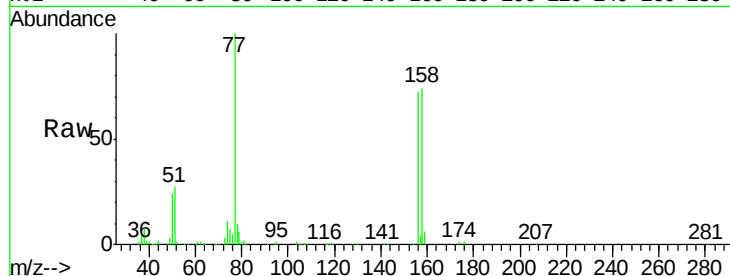
156 100

77 138.8 64.3 192.7

158 102.2 50.9 152.7

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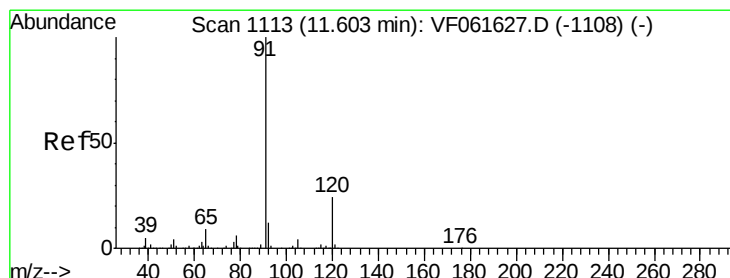
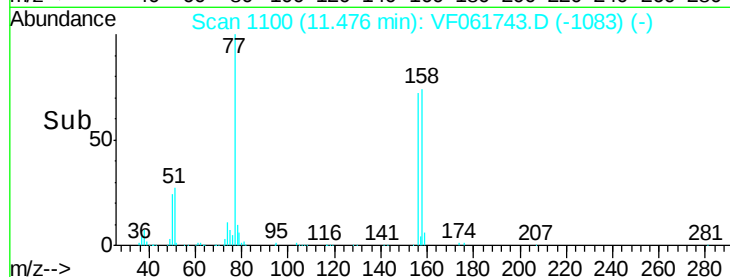
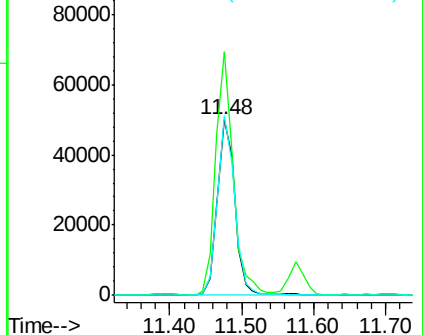
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.516 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF061743.D

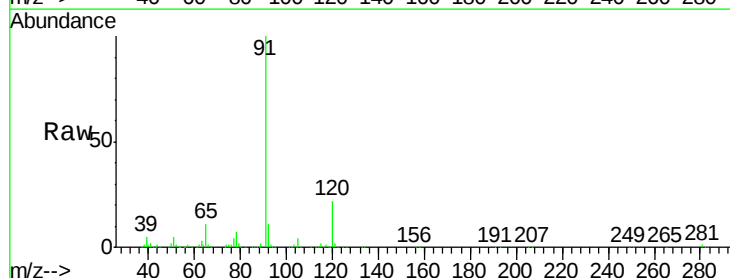
Acq: 26 Feb 2019 15:37

Tgt Ion: 91 Resp: 368415

Ion Ratio Lower Upper

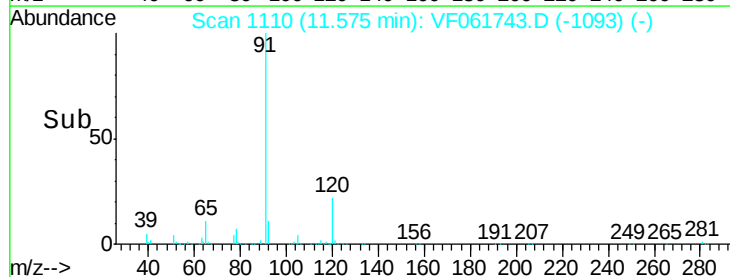
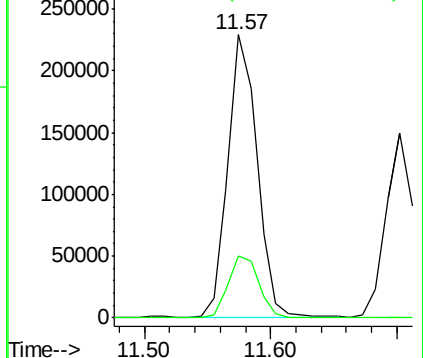
91 100

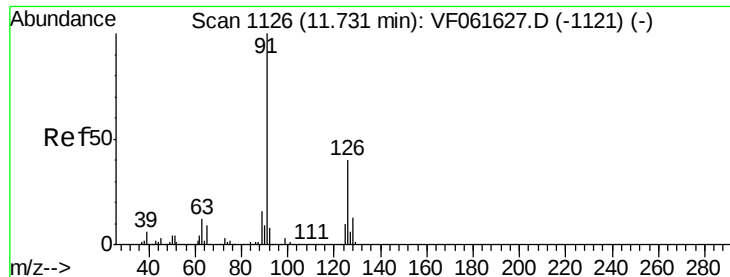
120 21.7 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.597 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 91 Resp: 228335

Ion Ratio Lower Upper

91 100

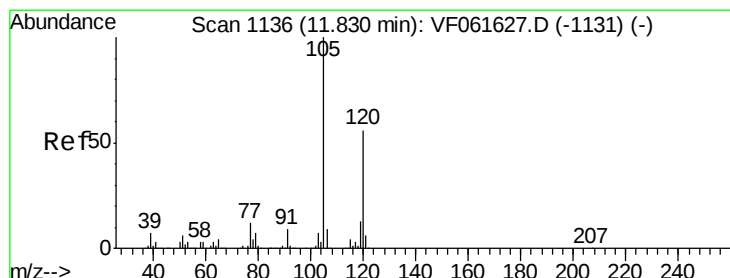
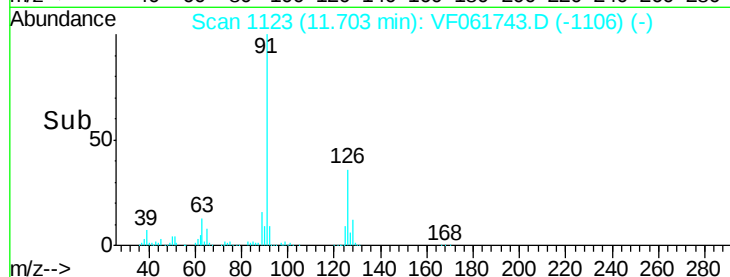
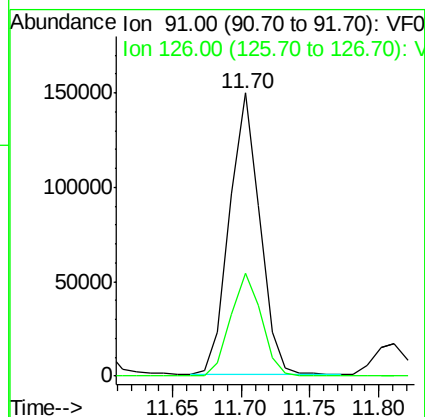
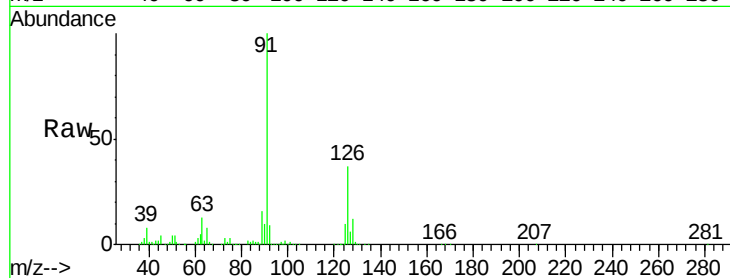
126 36.6 19.8 59.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.292 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061743.D

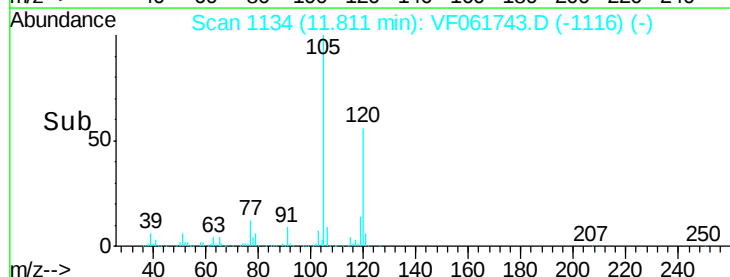
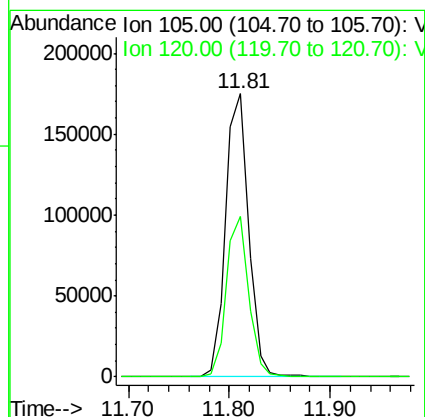
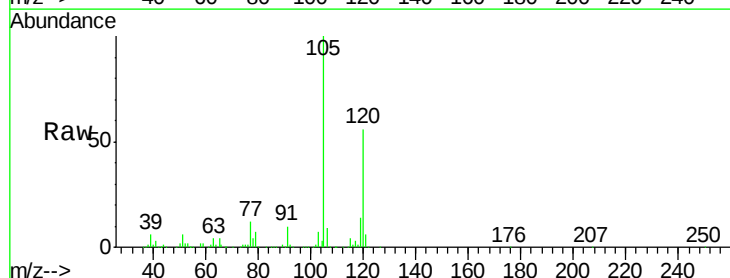
Acq: 26 Feb 2019 15:37

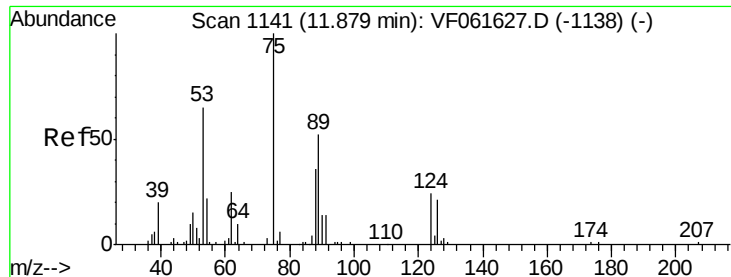
Tgt Ion:105 Resp: 279943

Ion Ratio Lower Upper

105 100

120 56.5 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.271 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

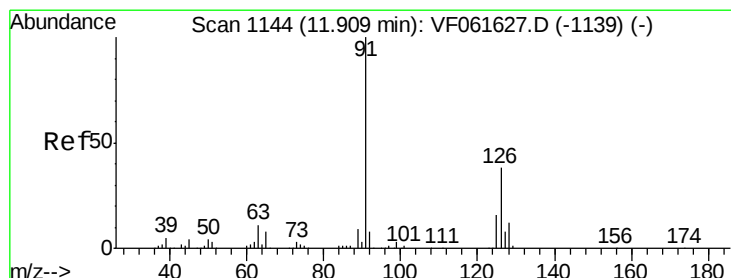
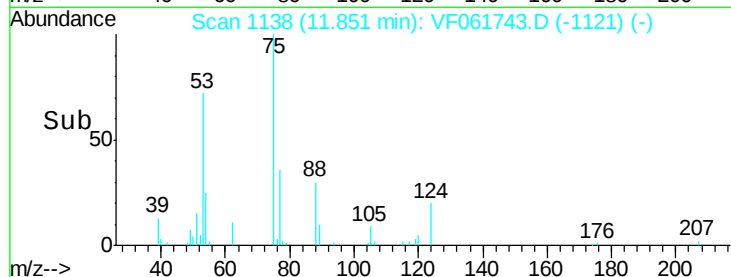
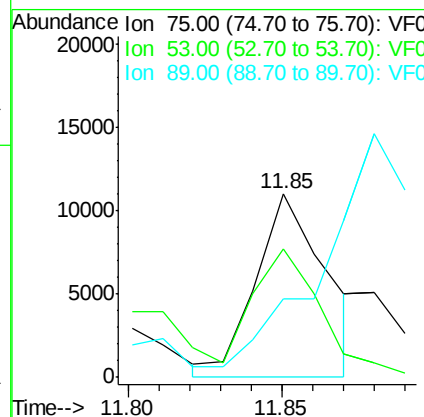
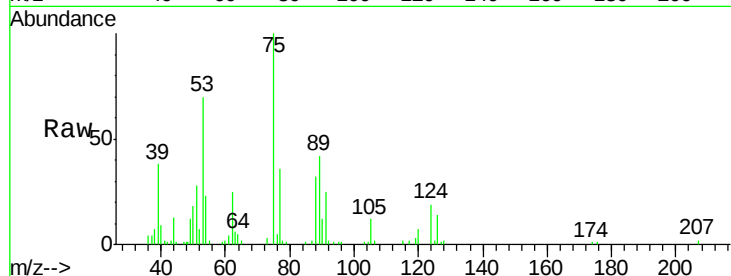
ClientSampleId :

VF0226SBS01

Tot Ion:	75	Resp:	17552
Ion	Ratio	Lower	Upper
75	100		
53	70.3	53.7	80.5
89	42.4	41.6	62.4

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#82

4-Chlorotoluene

Concen: 20.285 ug/l

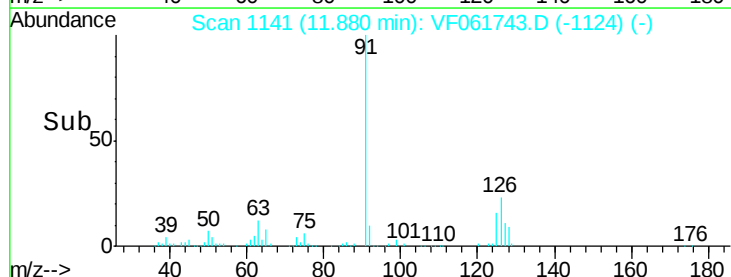
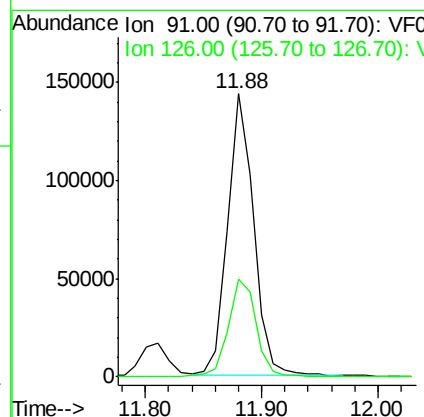
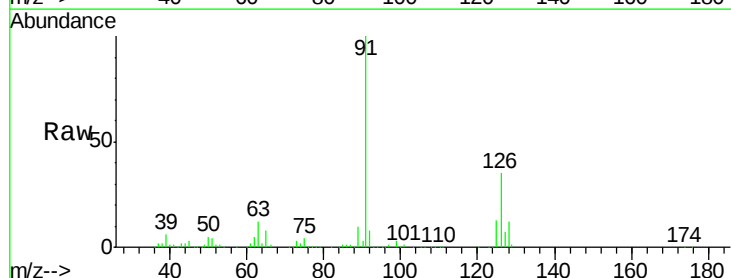
RT: 11.88 min Scan# 1141

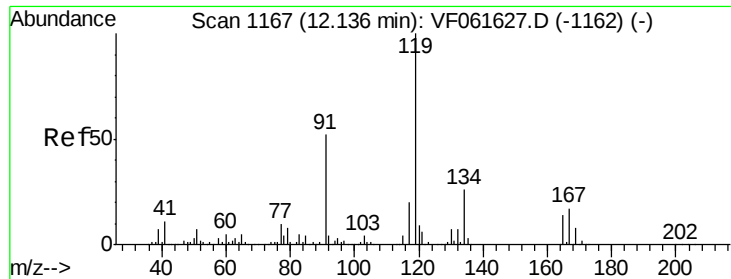
Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	91	Resp:	222605
Ion	Ratio	Lower	Upper
91	100		
126	34.5	19.1	57.1





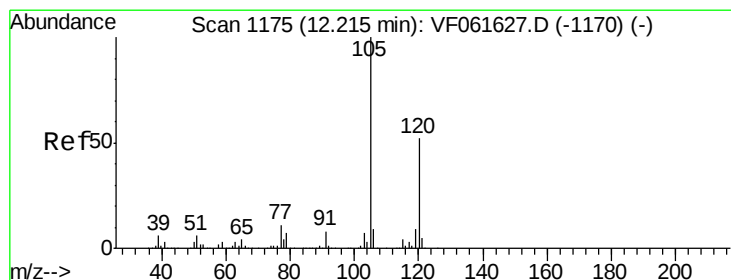
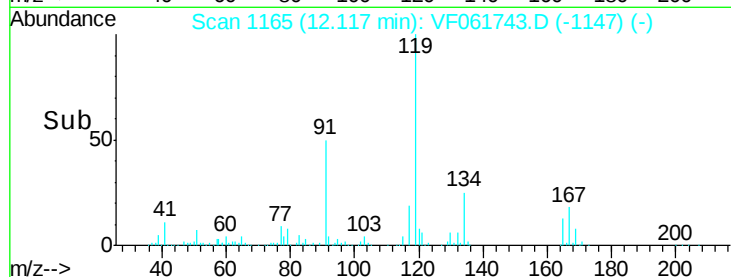
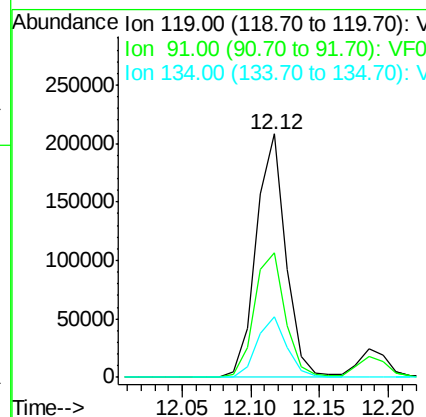
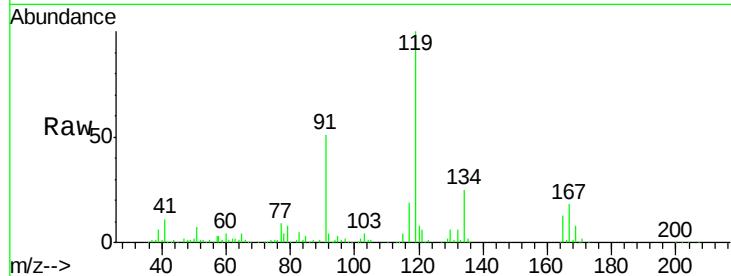
#83
tert-Butylbenzene
Concen: 21.496 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	51.1	26.3	78.8
134	25.0	12.9	38.7

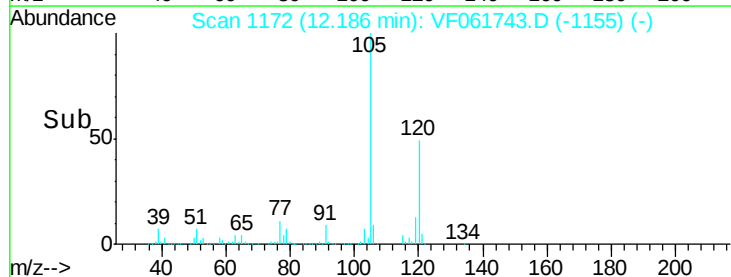
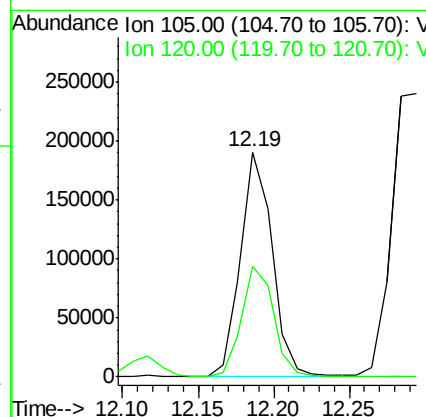
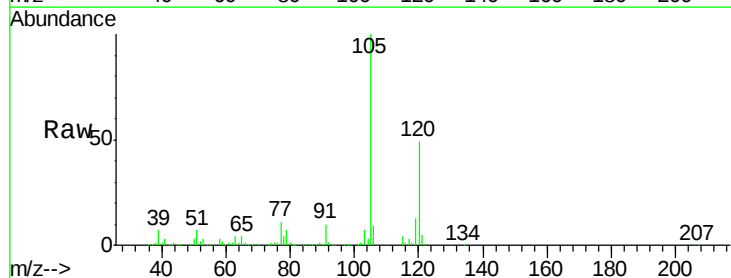
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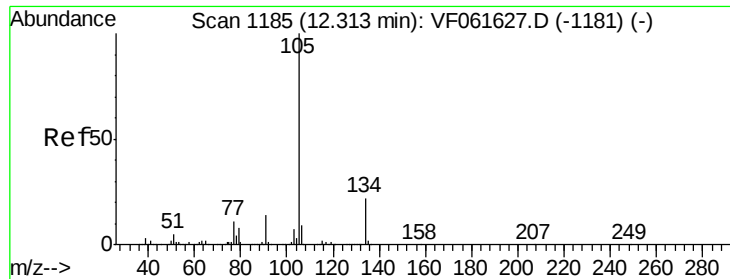
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#84
1,2,4-Trimethylbenzene
Concen: 21.354 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.03 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	26.1	78.3





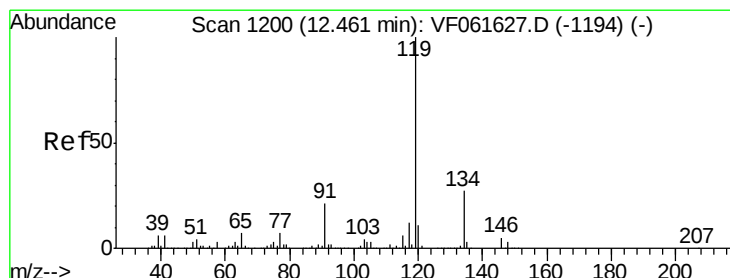
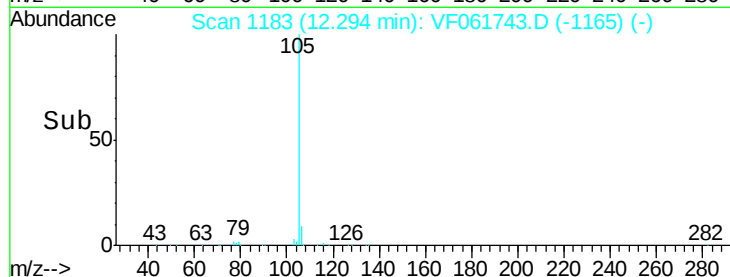
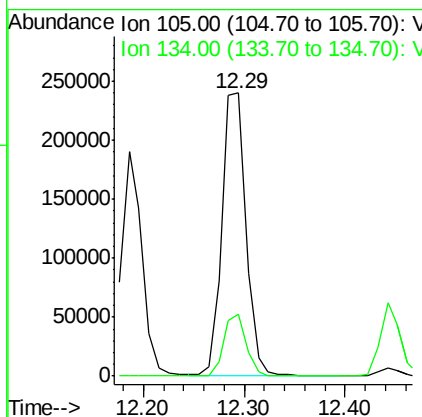
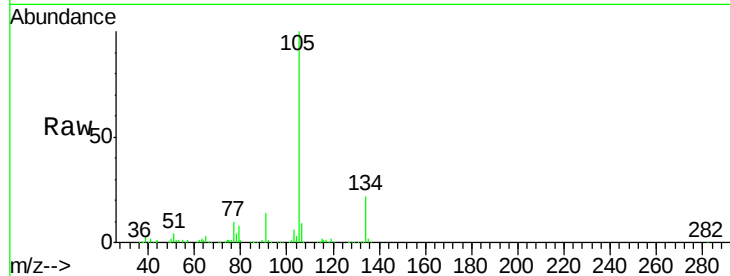
#85
 sec-Butylbenzene
 Concen: 21.271 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.8	32.4

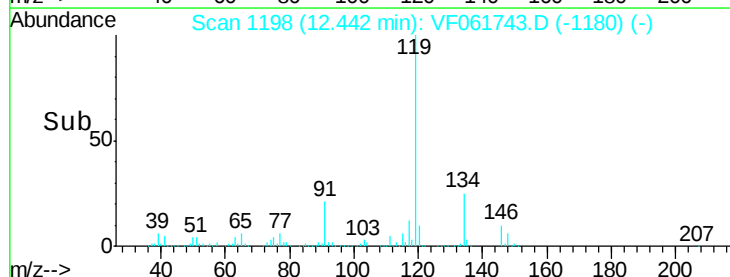
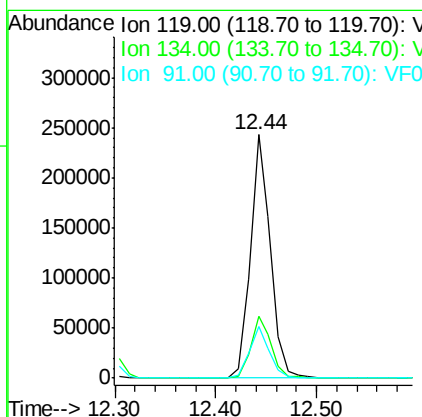
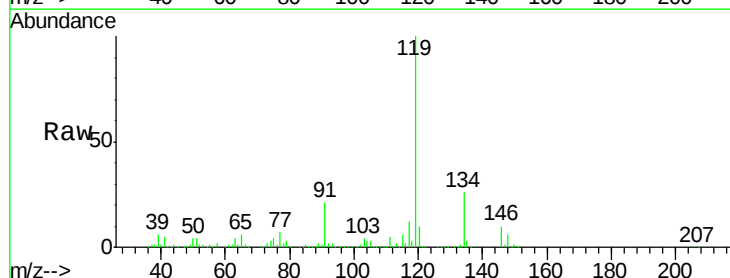
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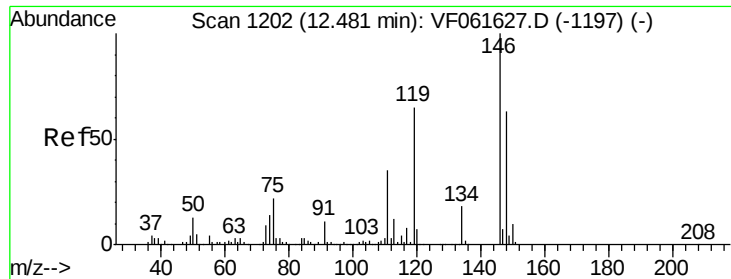
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#86
 p-Isopropyltoluene
 Concen: 21.254 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.7	41.1
91	21.5	10.8	32.4





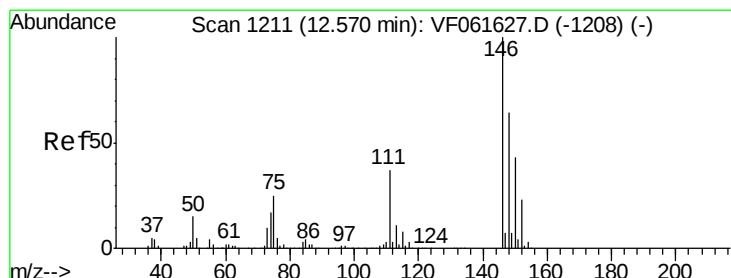
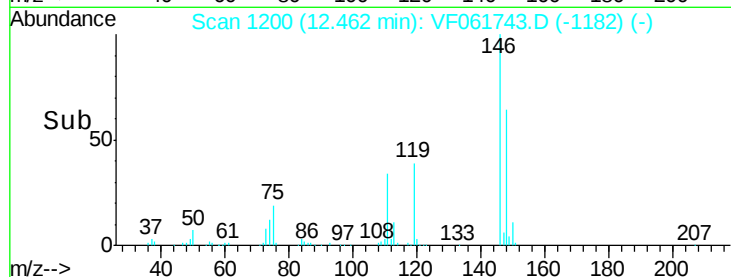
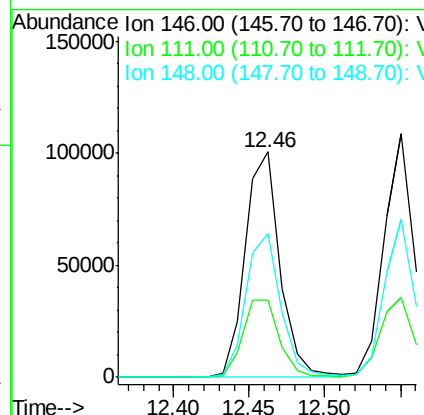
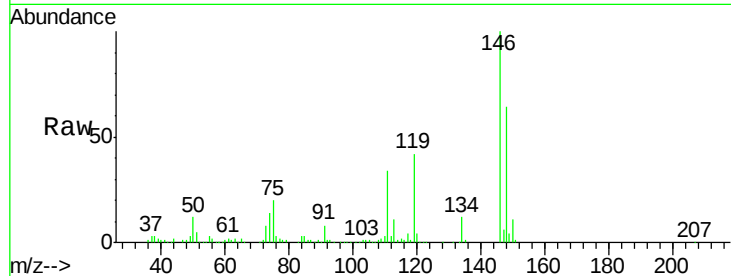
#87
 1,3-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	17.5	52.6
148	64.0	31.4	94.3

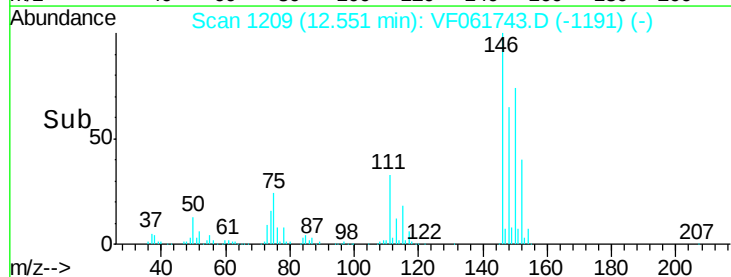
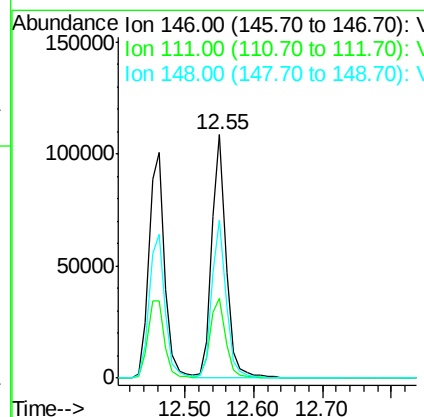
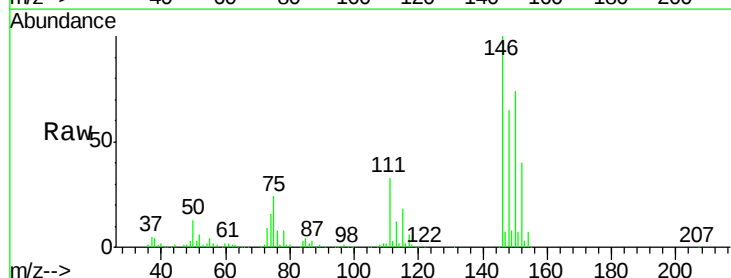
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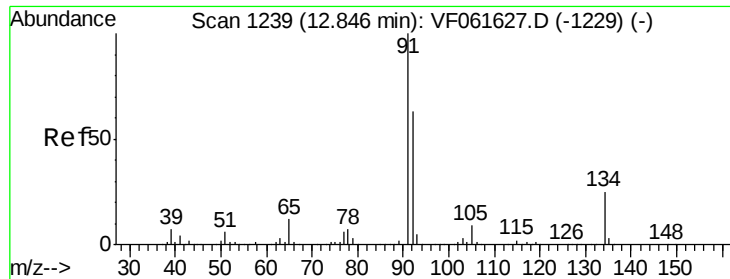
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#88
 1,4-Dichlorobenzene
 Concen: 21.097 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	18.4	55.4
148	65.0	32.2	96.6





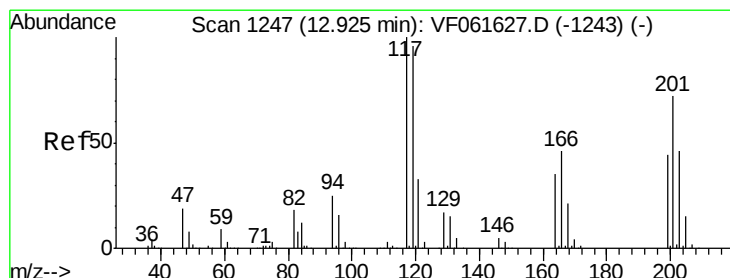
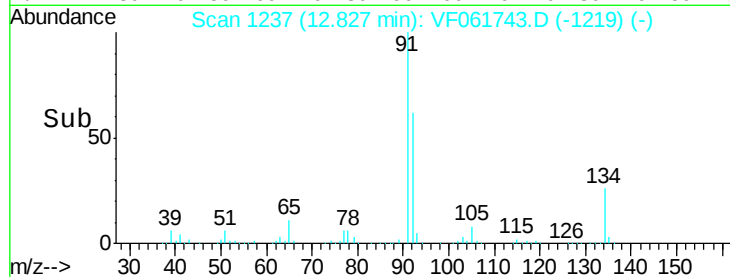
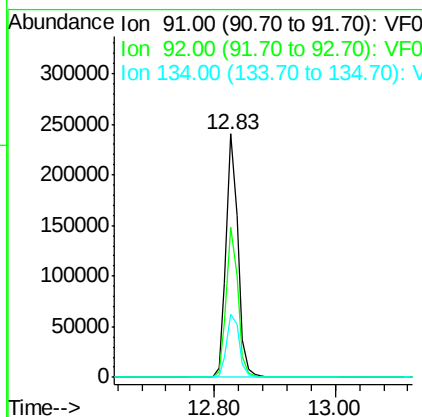
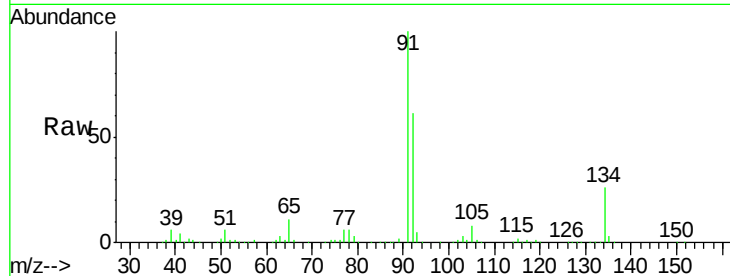
#89
n-Butylbenzene
Concen: 21.992 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	31.4	94.3
134	26.1	12.3	36.9

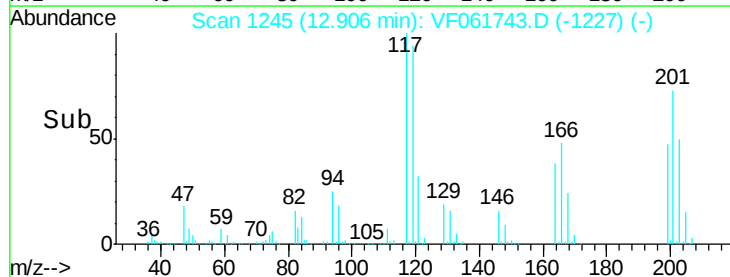
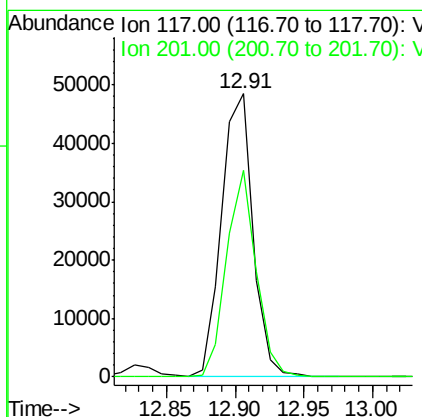
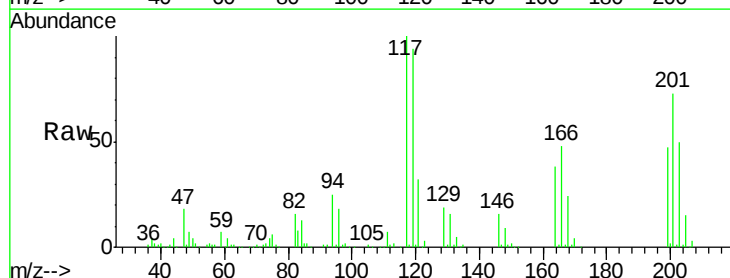
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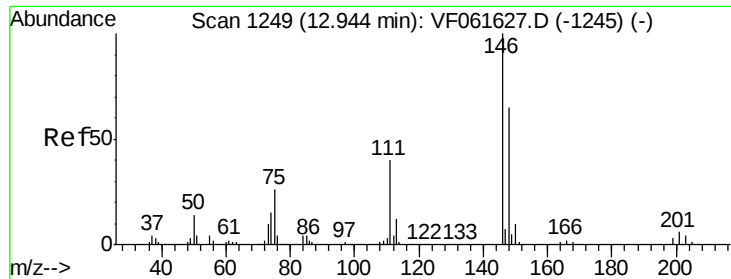
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#90
Hexachloroethane
Concen: 20.877 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061743.D
Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	36.2	108.6





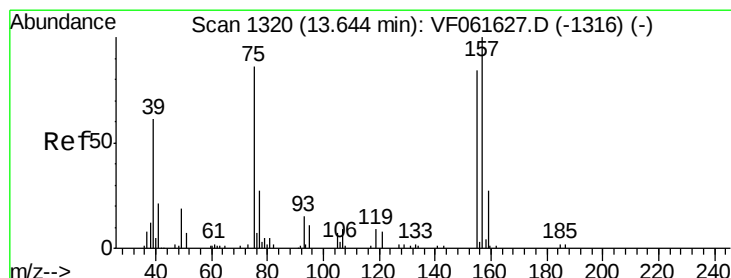
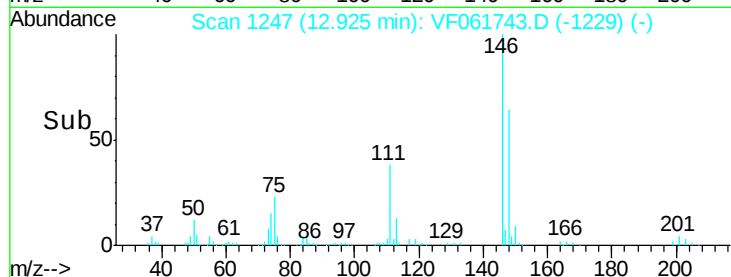
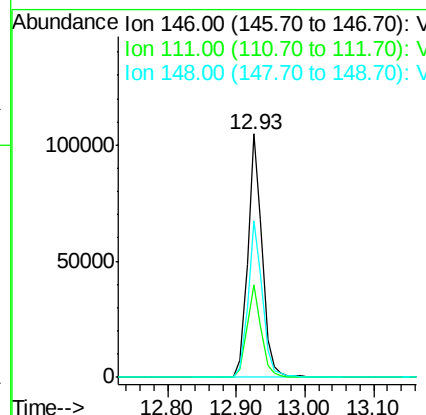
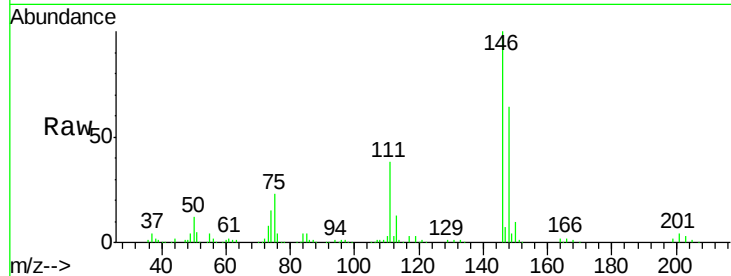
#91
 1,2-Dichlorobenzene
 Concen: 20.139 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151765		
111	38.0	20.2	60.5	
148	64.0	32.3	96.9	

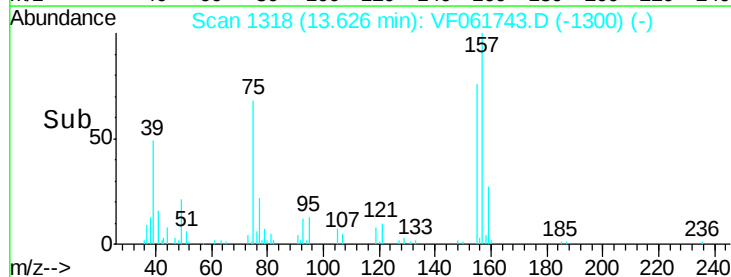
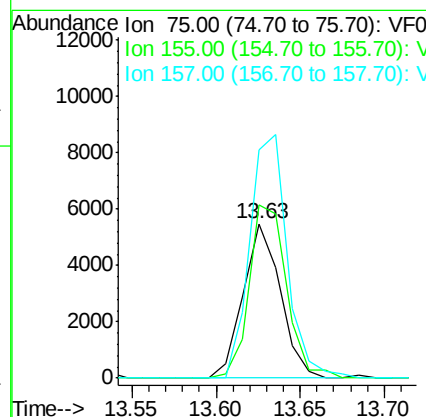
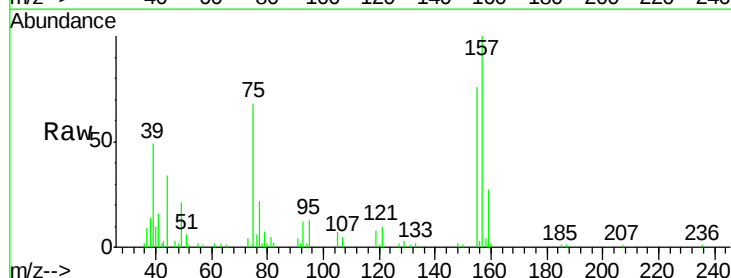
Manual Integrations
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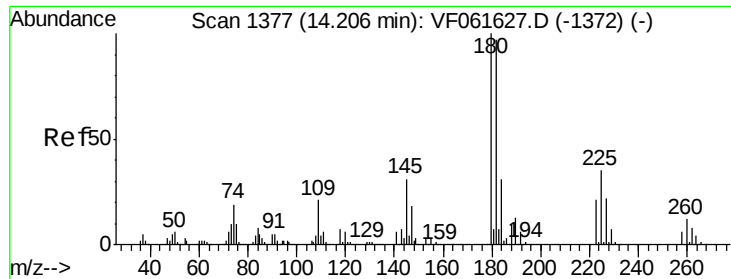
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.966 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8395		
155	112.0	48.9	146.8	
157	147.9	58.3	174.8	





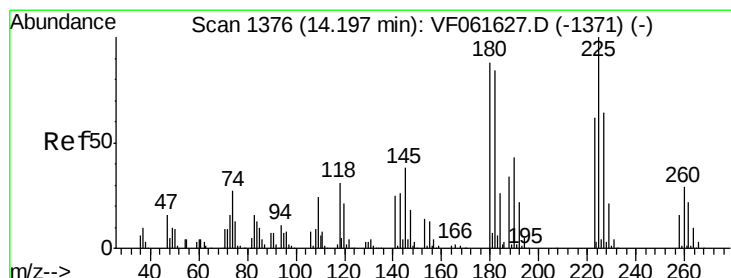
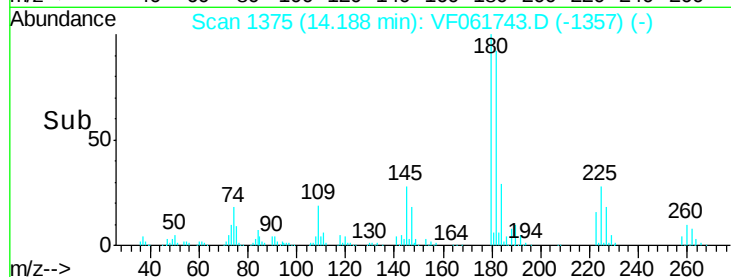
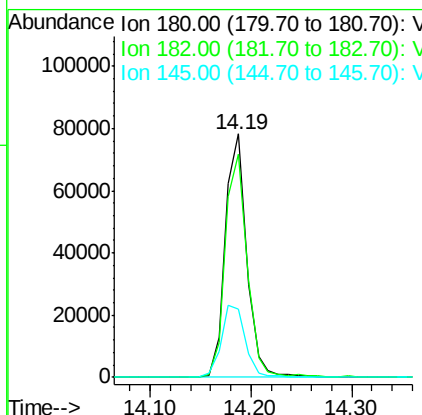
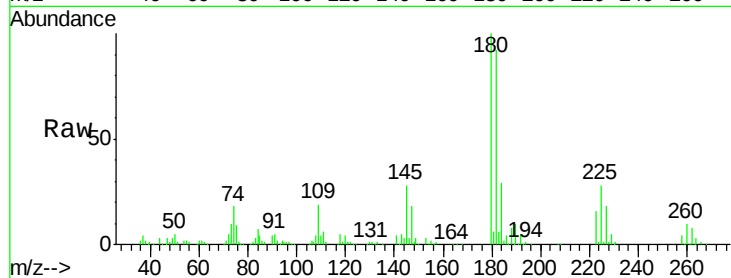
#93
 1,2,4-Trichlorobenzene
 Concen: 21.512 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116199		
182	91.9	48.6	145.9	
145	28.2	15.3	45.9	

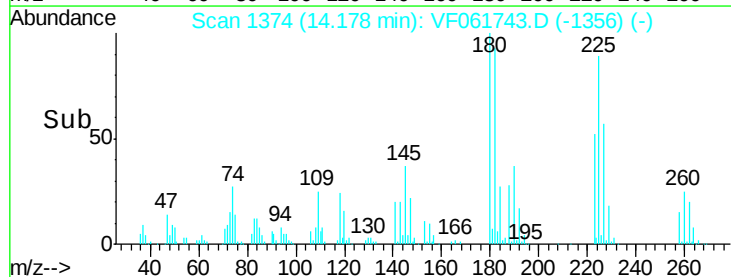
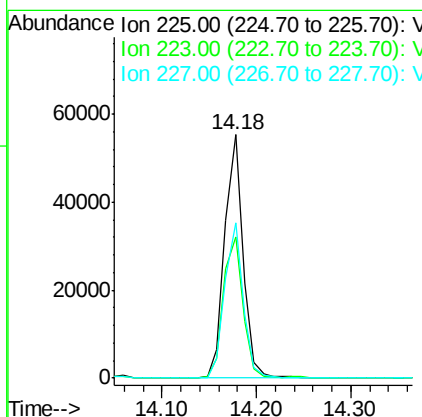
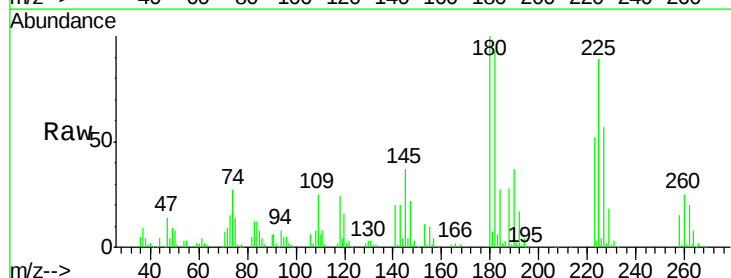
Manual Integrations
 APPROVED

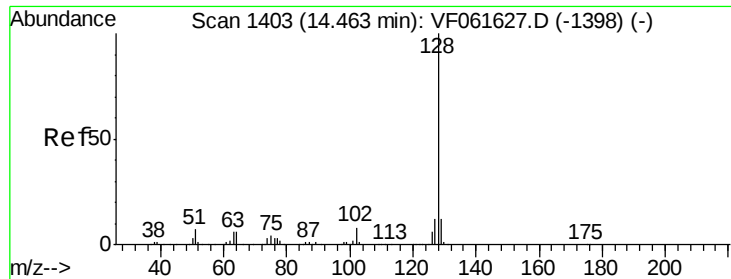
MMDadoda
 2/27/2019 3:19:22 PM



#94
 Hexachlorobutadiene
 Concen: 22.293 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061743.D
 Acq: 26 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74369		
223	58.2	30.9	92.7	
227	63.6	32.1	96.3	





#95

Naphthalene

Concen: 19.708 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Instrument :

MSVOA_F

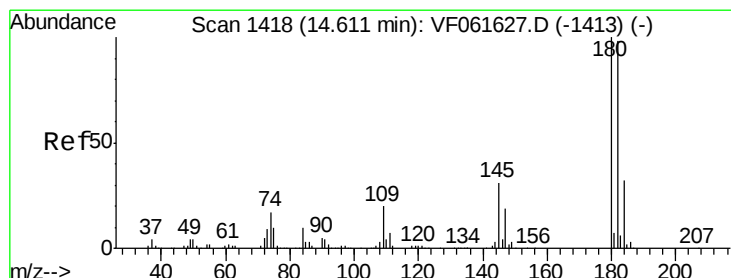
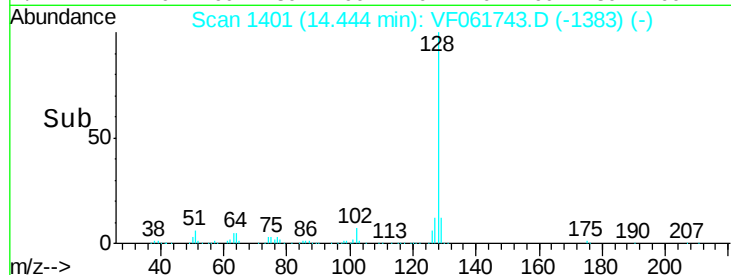
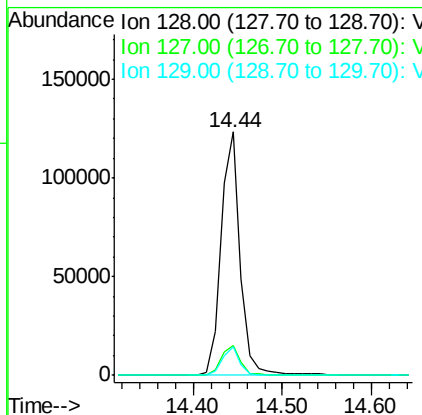
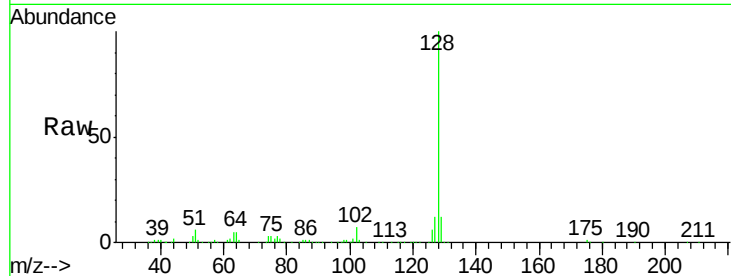
ClientSampleId :

VF0226SBS01

Tot Ion:	128	Resp:	186257
Ion Ratio		Lower	Upper
128	100		
127	12.0	9.8	14.6
129	11.6	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
2/27/2019 3:19:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.087 ug/l

RT: 14.58 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VF061743.D

Acq: 26 Feb 2019 15:37

Tgt Ion:	180	Resp:	104544
Ion Ratio		Lower	Upper
180	100		
182	90.5	49.0	147.2
145	33.2	15.4	46.1

