

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061438.D
 Acq On : 17 Jan 2019 12:05
 Operator : VA/AP
 Sample : VF0117SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:41:57 PM

Quant Time: Jan 18 03:42:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	195998	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	362916	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	331155	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	161651	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	121680	50.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.56%	
35) Dibromofluoromethane	4.08	113	143548	50.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	7.53	98	408403	52.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.39	95	182734	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	71407	18.542	ug/l	90
3) Chloromethane	1.10	50	55021	19.485	ug/l	95
4) Vinyl Chloride	1.13	62	49895	19.864	ug/l	98
5) Bromomethane	1.30	94	31352	19.141	ug/l #	75
6) Chloroethane	1.38	64	22629	20.331	ug/l	93
7) Trichlorofluoromethane	1.48	101	84516m	17.308	ug/l	
8) Diethyl Ether	1.62	74	13311	21.274	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45993	19.602	ug/l	91
10) Methyl Iodide	1.89	142	70920m	19.497	ug/l	
11) Tert butyl alcohol	2.56	59	11087	108.242	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	35797	20.535	ug/l	90
13) Acrolein	1.98	56	7392	90.658	ug/l	88
14) Allyl chloride	2.08	41	53617	26.814	ug/l	89
15) Acrylonitrile	2.92	53	28108	107.132	ug/l	97
16) Acetone	2.22	43	61805	127.315	ug/l	100
17) Carbon Disulfide	1.82	76	106730m	19.636	ug/l	
18) Methyl Acetate	2.33	43	20787	21.592	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76767	19.645	ug/l	96
20) Methylene Chloride	2.16	84	37349m	21.669	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	38594	20.123	ug/l	89
22) Diisopropyl ether	2.78	45	129598	20.891	ug/l	95
23) Vinyl Acetate	3.17	43	342907	127.260	ug/l	99
24) 1,1-Dichloroethane	2.85	63	77140	19.813	ug/l	98
25) 2-Butanone	4.30	43	101478	125.703	ug/l	98
26) 2,2-Dichloropropane	3.57	77	45944	19.207	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	61530	21.733	ug/l	97
28) Bromochloromethane	3.70	49	41575	23.755	ug/l #	95
29) Tetrahydrofuran	4.05	42	38189	109.862	ug/l	99
30) Chloroform	3.84	83	113124	21.529	ug/l	98
31) Cyclohexane	3.67	56	86295m	22.188	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	69191	17.959	ug/l	95
36) 1,1-Dichloropropene	4.25	75	83852	19.928	ug/l	99
37) Ethyl Acetate	4.07	43	33266	19.778	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65603	17.833	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87734	19.240	ug/l	98
40) Benzene	4.61	78	199162	21.271	ug/l	96
41) Methacrylonitrile	4.73	41	17674	19.747	ug/l	94
42) 1,2-Dichloroethane	4.91	62	59619	17.869	ug/l	100
43) Isopropyl Acetate	6.94	43	42529	20.146	ug/l #	95
44) Trichloroethene	5.48	130	62852	21.882	ug/l	98
45) 1,2-Dichloropropane	6.22	63	53071	21.596	ug/l	98
46) Dibromomethane	6.07	93	33186	20.310	ug/l	94
47) Bromodichloromethane	6.36	83	81752	20.221	ug/l	99
48) Methyl methacrylate	6.69	41	29180	20.585	ug/l	92
49) 1,4-Dioxane	6.69	88	4288	391.076	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	172605	111.218	ug/l	99
52) Toluene	7.61	92	118975	19.295	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	67259	20.951	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	87998	21.930	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	35593	20.328	ug/l	99
56) Ethyl methacrylate	8.60	69	41005	20.129	ug/l	97
57) 1,3-Dichloropropane	8.83	76	68303	20.812	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.27	63	28037	144.320	ug/l #	89
59) 2-Hexanone	9.47	43	132545	122.477	ug/l	94
60) Dibromochloromethane	8.69	129	49234	19.233	ug/l	94
61) 1,2-Dibromoethane	8.97	107	39378	19.645	ug/l	89
64) Tetrachloroethene	8.13	164	49461	19.861	ug/l	97
65) Chlorobenzene	9.78	112	142017	21.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	54192	20.201	ug/l	97
67) Ethyl Benzene	9.88	91	253813	20.629	ug/l	100
68) m/p-Xylenes	10.11	106	180856	40.869	ug/l	98
69) o-Xylene	10.69	106	99825	20.813	ug/l	91
70) Styrene	10.77	104	138672	21.122	ug/l	97
71) Bromoform	10.75	173	24801	20.576	ug/l #	97
73) Isopropylbenzene	11.11	105	302539	23.011	ug/l	98
74) N-amyl acetate	11.35	43	76967	24.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	52919	22.594	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	36979	21.973	ug/l	88
77) Bromobenzene	11.48	156	60238	21.695	ug/l	95
78) n-propylbenzene	11.58	91	347752	20.311	ug/l	99
79) 2-Chlorotoluene	11.70	91	197542	21.655	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	241368	22.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	15763m	21.546	ug/l	
82) 4-Chlorotoluene	11.88	91	205422	22.316	ug/l	92
83) tert-Butylbenzene	12.11	119	238502	21.718	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	244792	22.398	ug/l	99
85) sec-Butylbenzene	12.29	105	333370	22.354	ug/l	96
86) p-Isopropyltoluene	12.45	119	271160	22.149	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	116556	19.978	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	116067	22.121	ug/l	99
89) n-Butylbenzene	12.82	91	281677	22.310	ug/l	97
90) Hexachloroethane	12.90	117	62250	21.571	ug/l	98
91) 1,2-Dichlorobenzene	12.92	146	107785	20.751	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8687	20.911	ug/l	92

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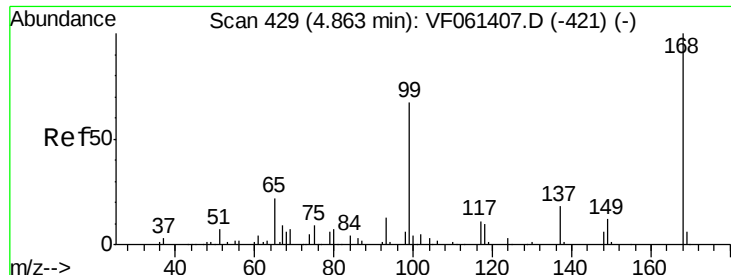
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	74571	20.494	ug/l	98
94) Hexachlorobutadiene	14.18	225	43542	19.285	ug/l	96
95) Naphthalene	14.44	128	132787	19.208	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	64140	19.042	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion:168 Resp: 195998

Ion Ratio Lower Upper

168 100

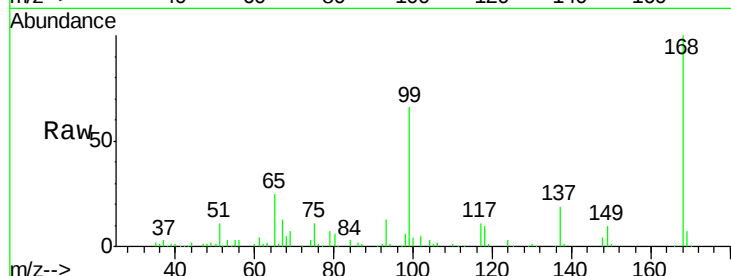
99 65.6 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

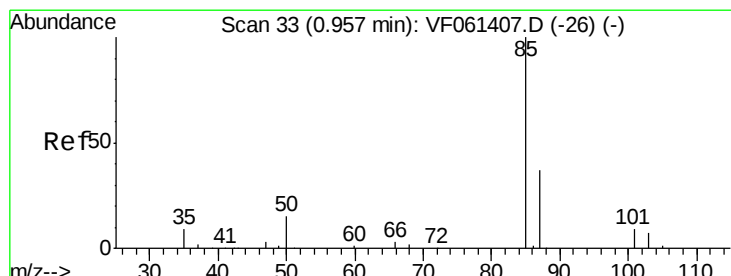
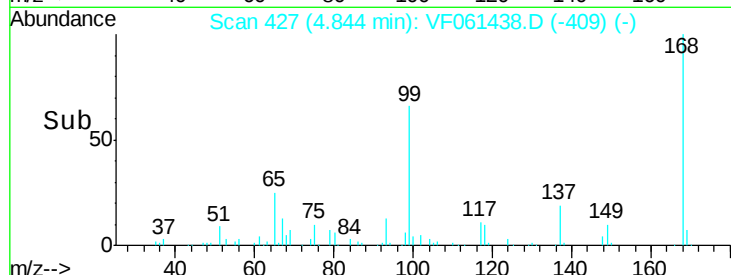
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.542 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061438.D

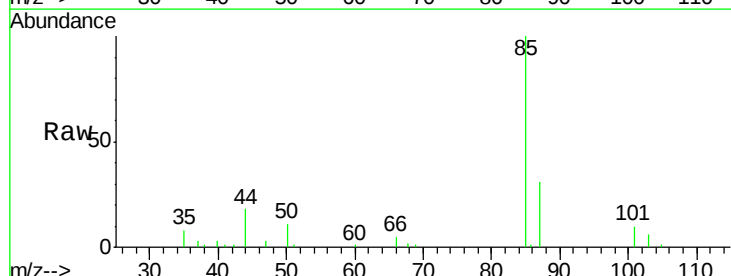
Acq: 17 Jan 2019 12:05

Tgt Ion: 85 Resp: 71407

Ion Ratio Lower Upper

85 100

87 30.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

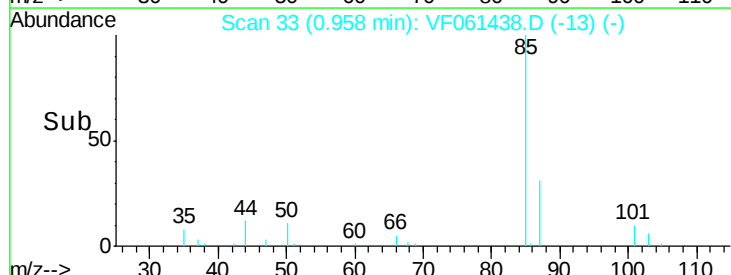
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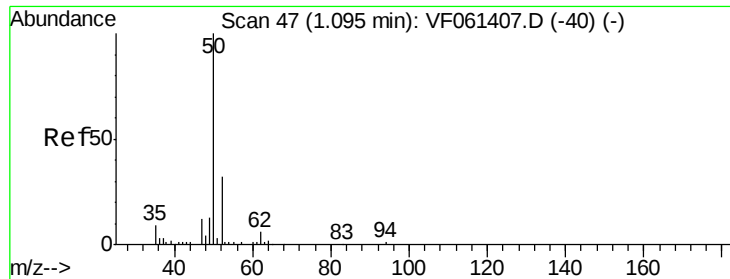
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.485 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 50 Resp: 55021

Ion Ratio Lower Upper

50 100

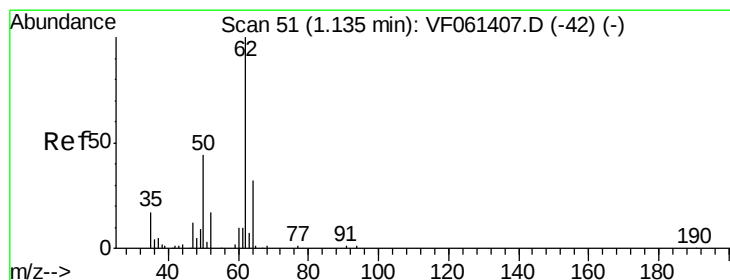
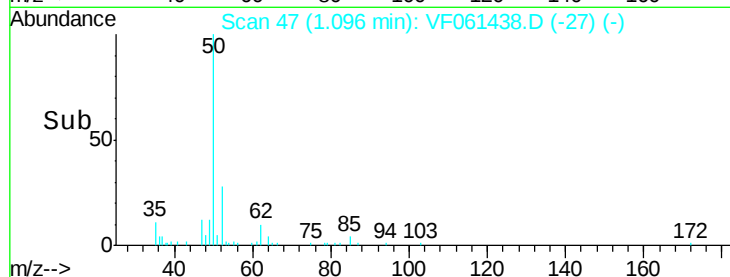
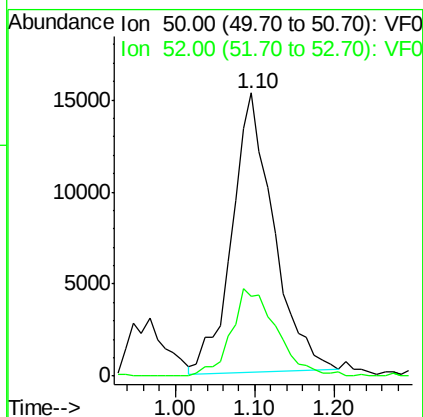
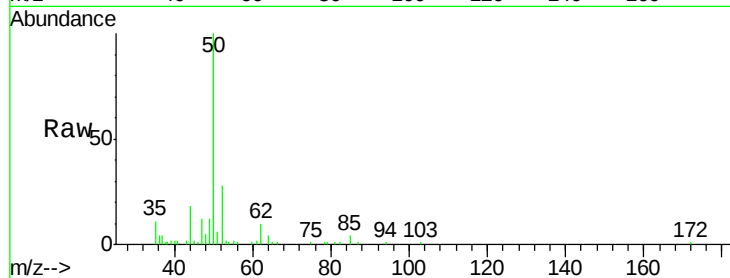
52 28.1 24.6 36.8

Manual Integrations

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1/18/2019 3:41:57 PM



#4

Vinyl Chloride

Concen: 19.864 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF061438.D

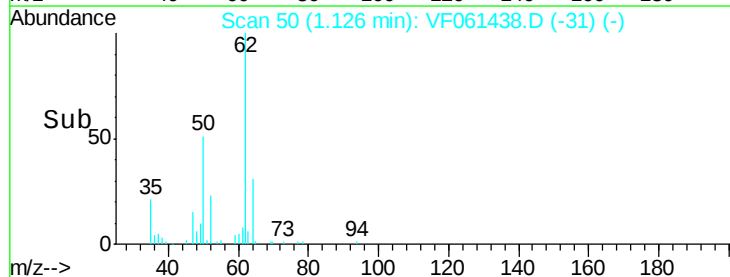
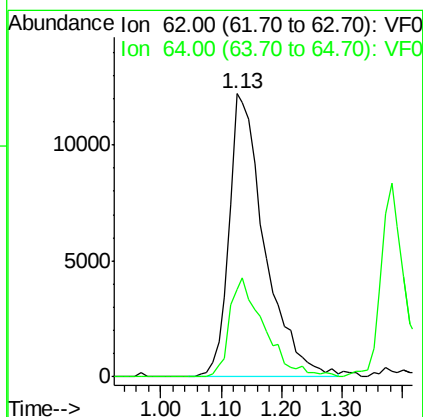
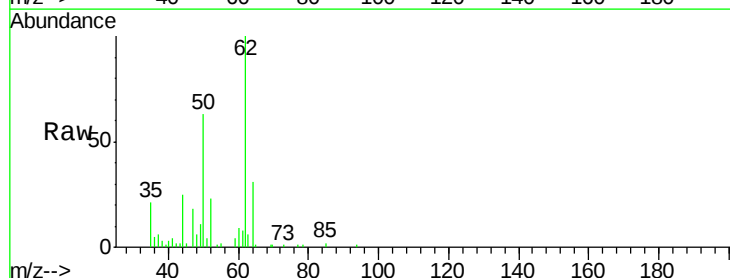
Acq: 17 Jan 2019 12:05

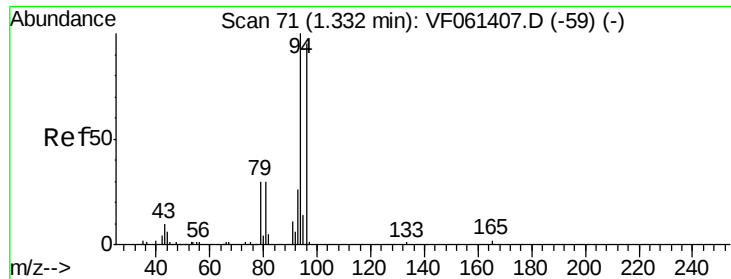
Tgt Ion: 62 Resp: 49895

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 19.141 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

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VF0117SBS01

Tot Ion: 94 Resp: 31352

Ion Ratio Lower Upper

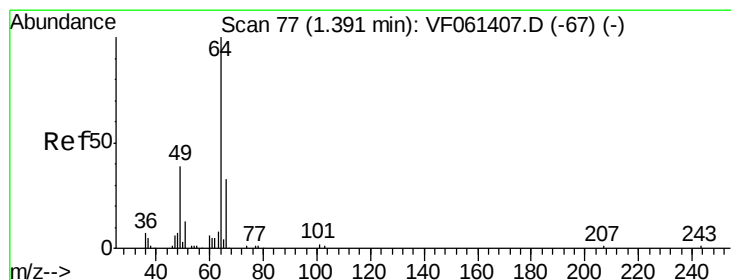
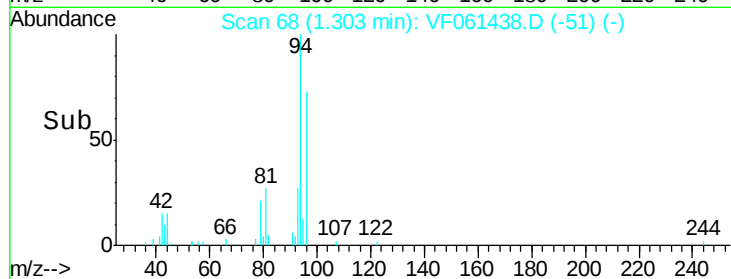
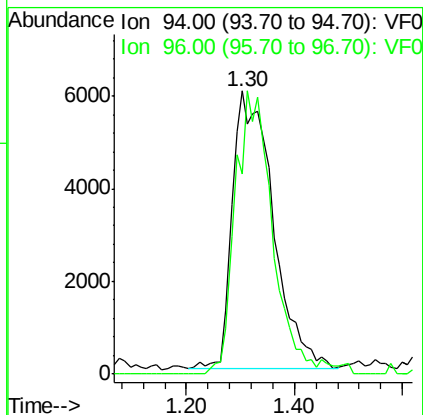
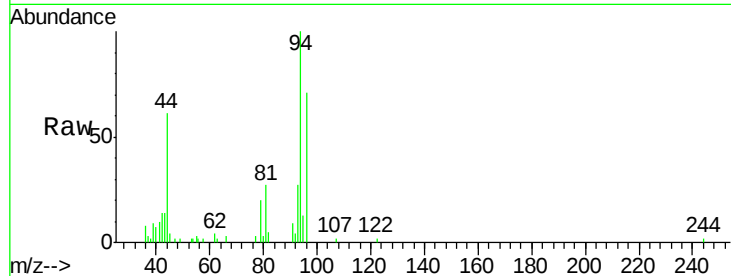
94 100

96 70.7 76.0 114.0#

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#6

Chloroethane

Concen: 20.331 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061438.D

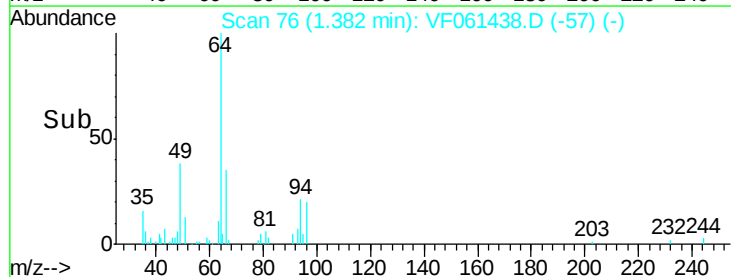
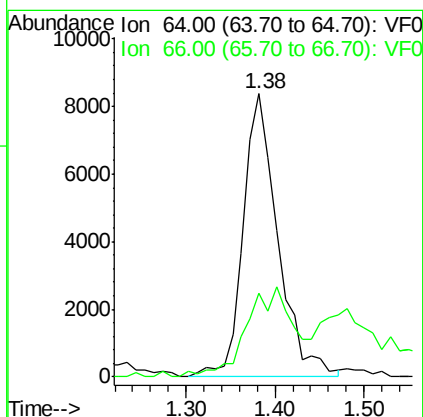
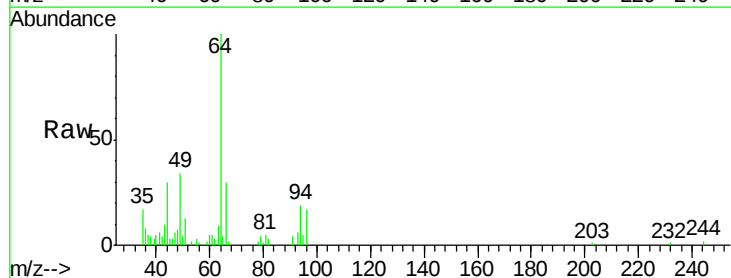
Acq: 17 Jan 2019 12:05

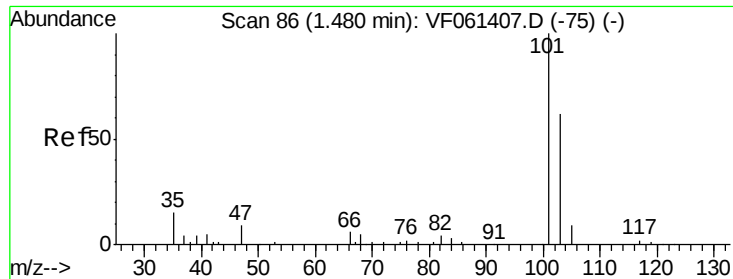
Tgt Ion: 64 Resp: 22629

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0





#7

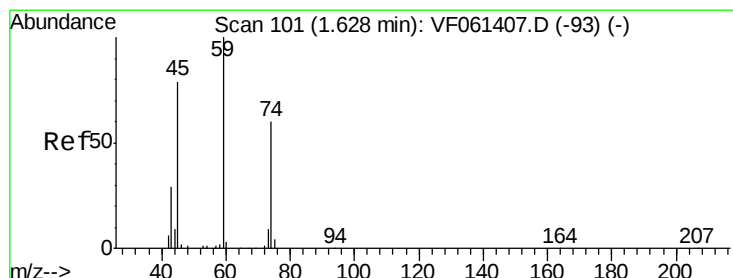
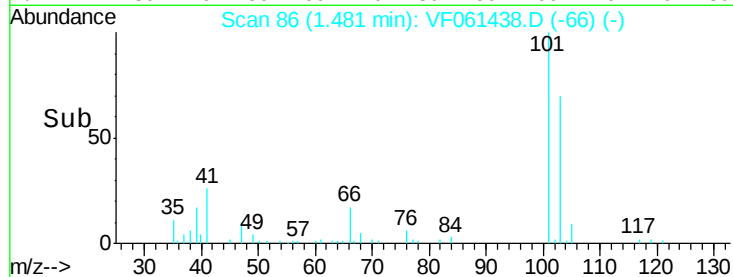
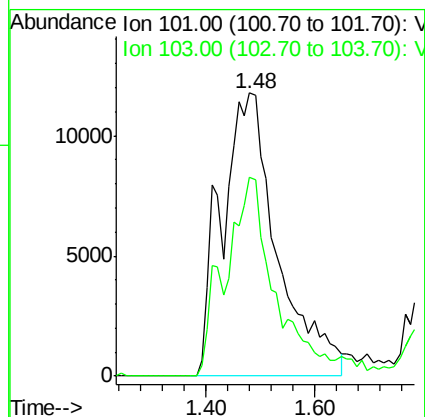
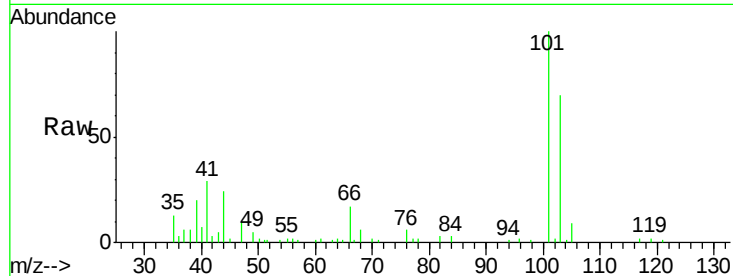
Trichlorofluoromethane
Concen: 17.308 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.00 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

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Tot Ion	101	Resp	84516
Ion Ratio	Lower	Upper	
101	100		
103	70.1	49.7	74.5

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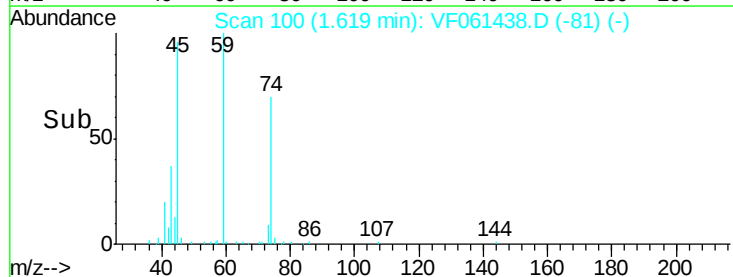
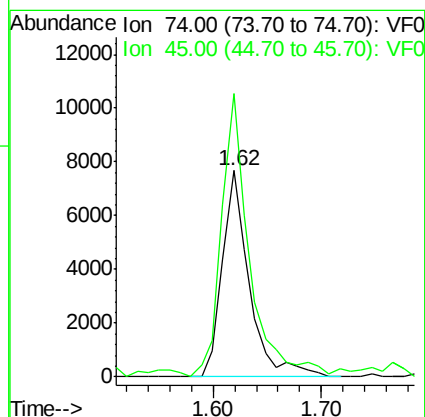
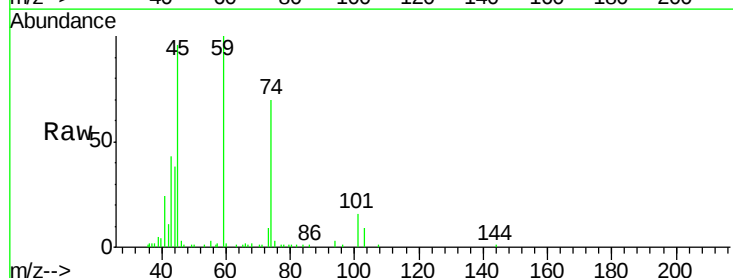
MMDadoda
1/18/2019 3:41:57 PM

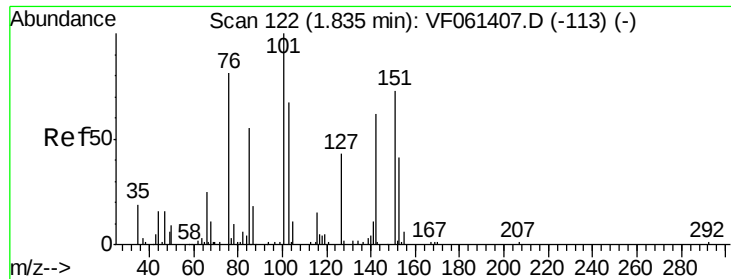


#8

Diethyl Ether
Concen: 21.274 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	74	Resp	13311
Ion Ratio	Lower	Upper	
74	100		
45	137.2	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

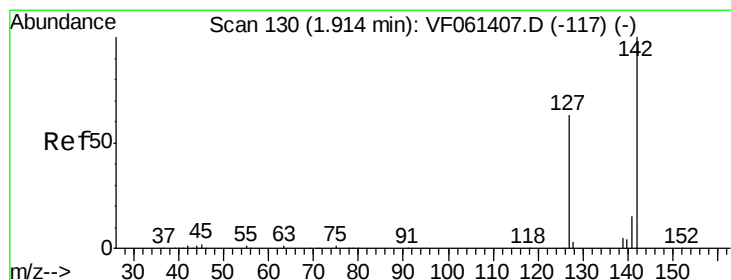
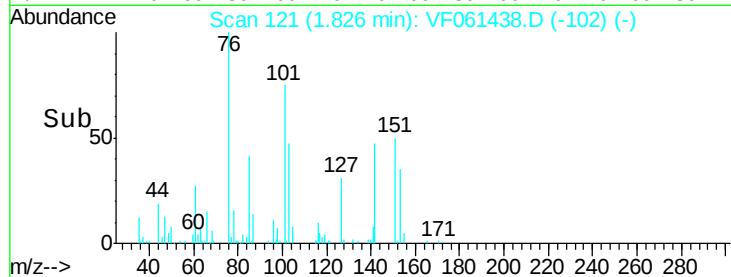
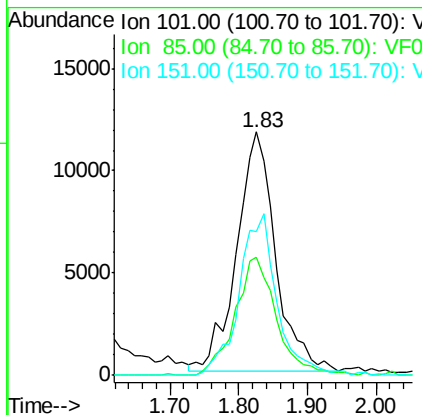
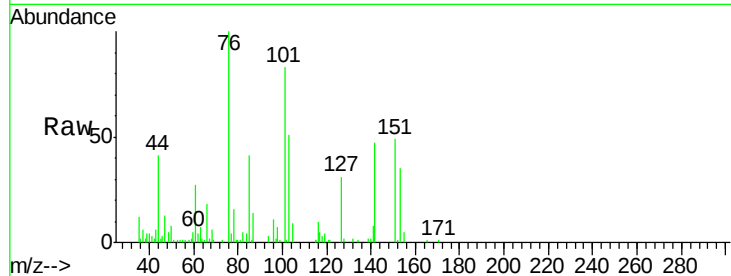
ClientSampleId :

VF0117SBS01

Tot Ion:	101	Resp:	45993
Ion Ratio	Lower	Upper	
101	100		
85	48.7	41.9	62.9
151	59.1	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.497 ug/l m

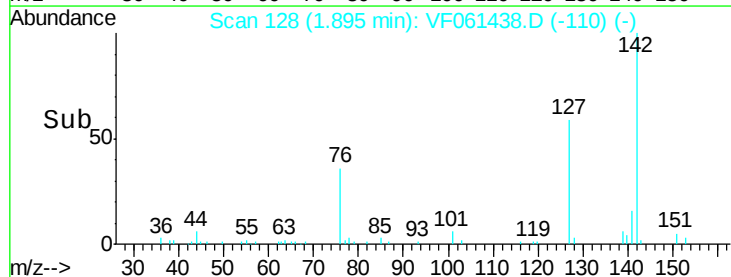
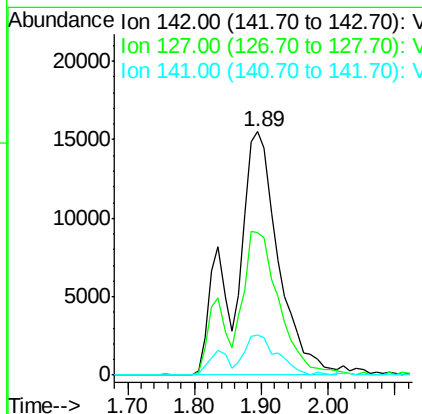
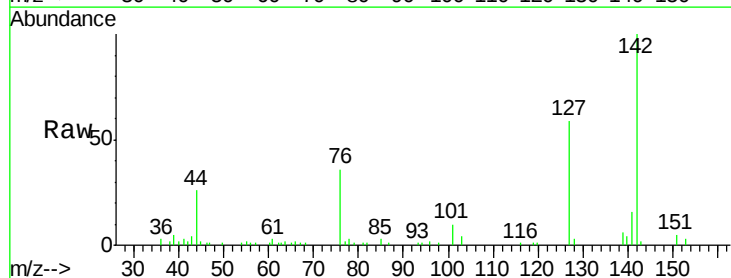
RT: 1.89 min Scan# 128

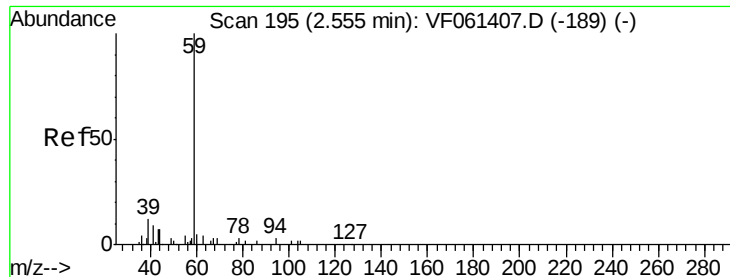
Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	142	Resp:	70920
Ion Ratio	Lower	Upper	
142	100		
127	58.8	50.7	76.1
141	16.3	11.8	17.6





#11

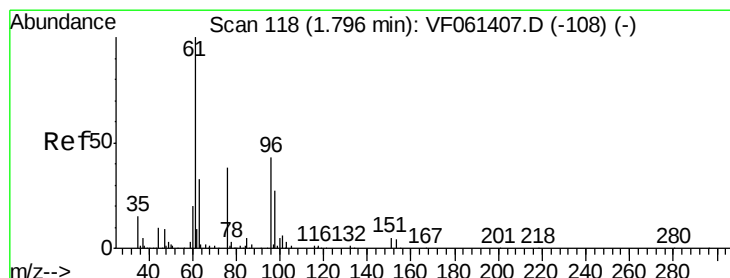
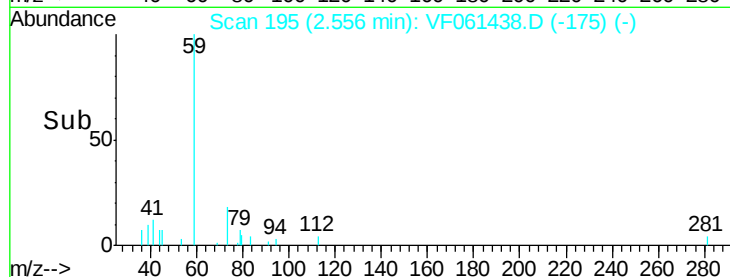
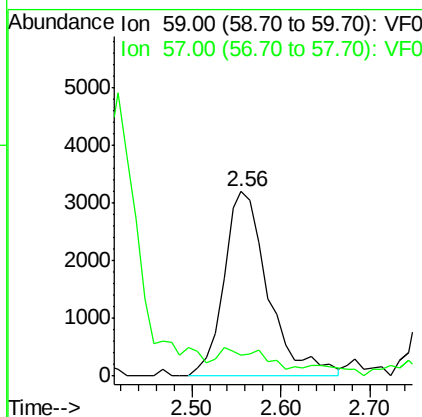
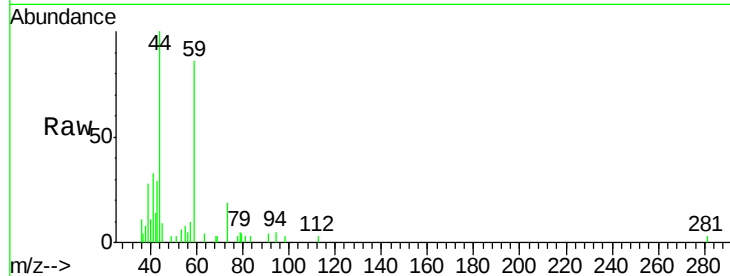
Tert butyl alcohol
Concen: 108.242 ug/l
RT: 2.56 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	11.9	17.9#

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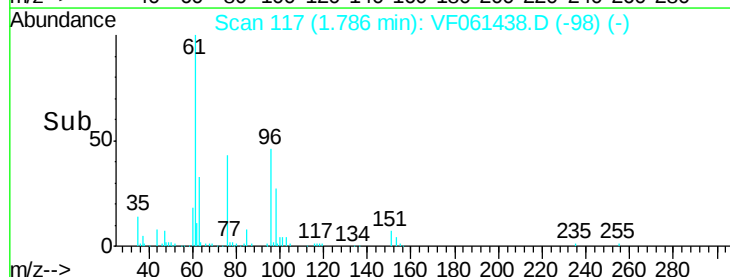
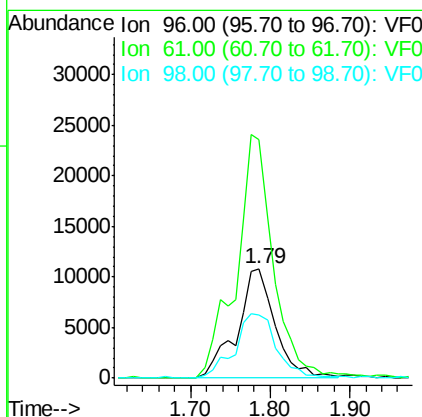
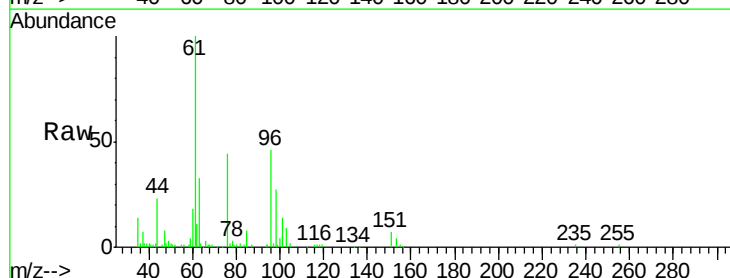
MMDadoda
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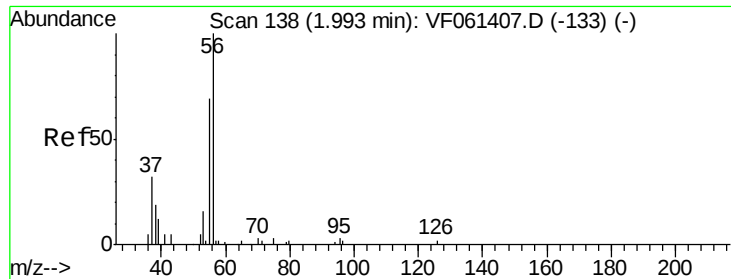


#12

1,1-Dichloroethene
Concen: 20.535 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	217.8	186.9	280.3
98	58.2	53.0	79.4





#13

Acrolein

Concen: 90.658 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 56 Resp: 7392

Ion Ratio Lower Upper

56 100

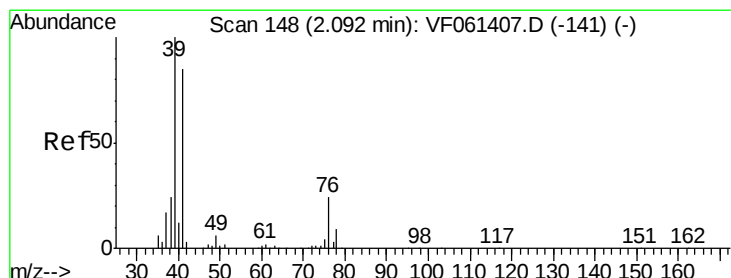
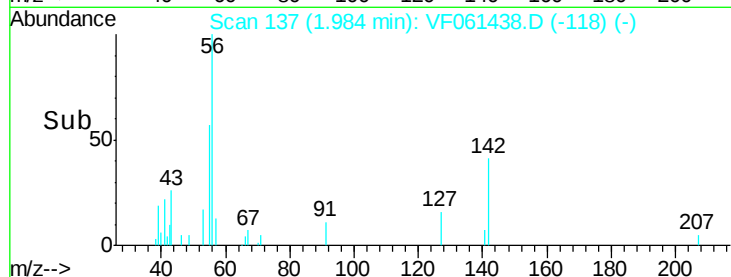
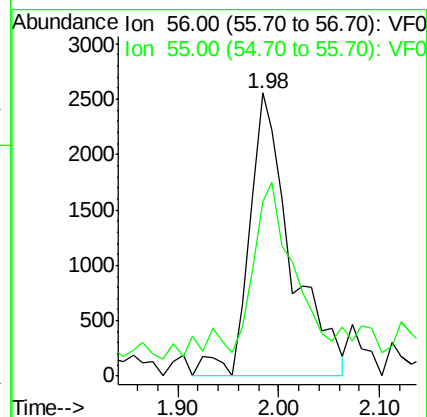
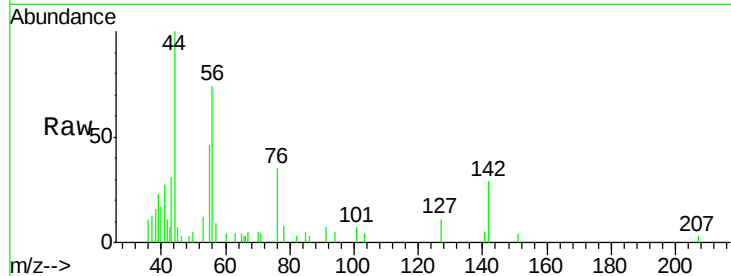
55 61.8 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 26.814 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

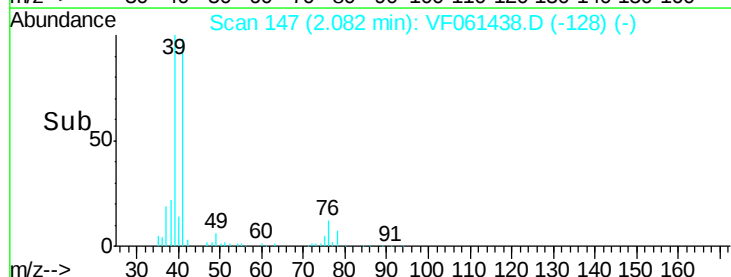
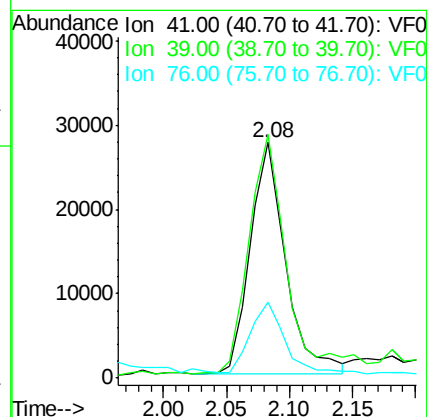
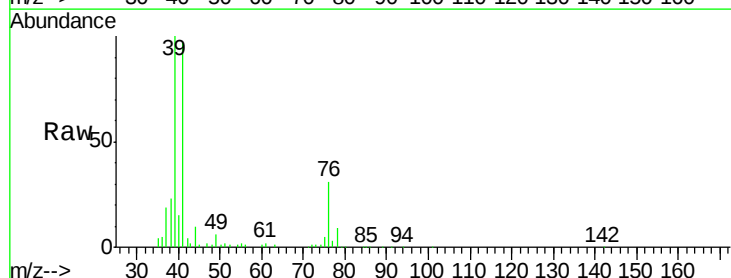
Tgt Ion: 41 Resp: 53617

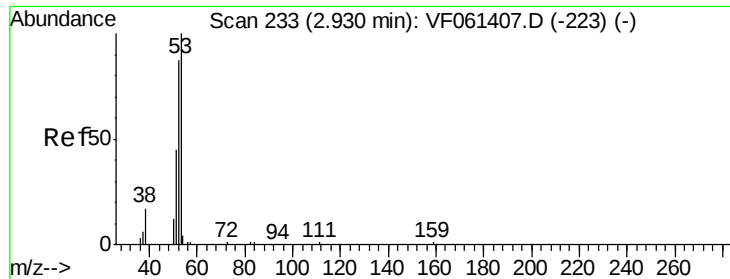
Ion Ratio Lower Upper

41 100

39 103.3 94.6 141.8

76 32.2 25.9 38.9





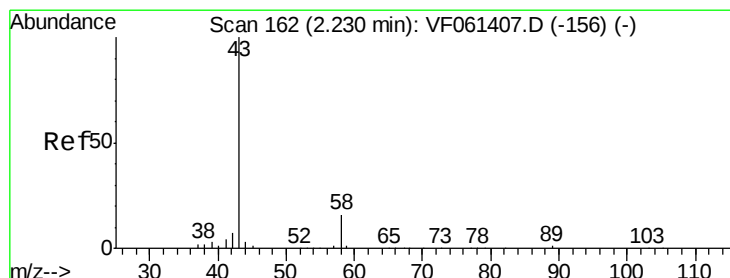
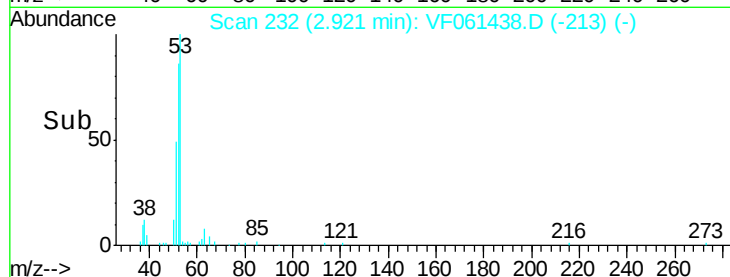
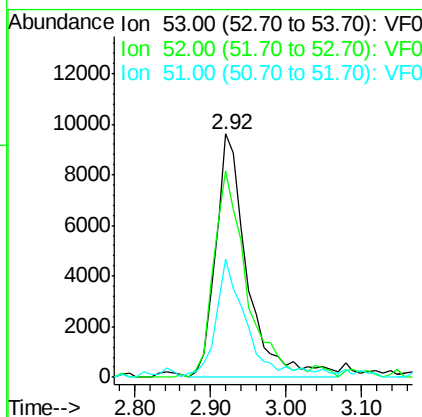
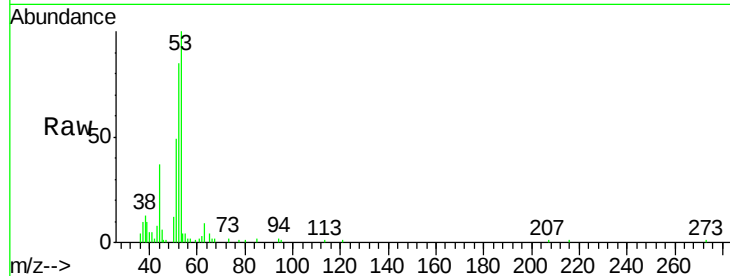
#15
 Acrylonitrile
 Concen: 107.132 ug/l
 RT: 2.92 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.6	69.6	104.4
51	48.5	36.8	55.2

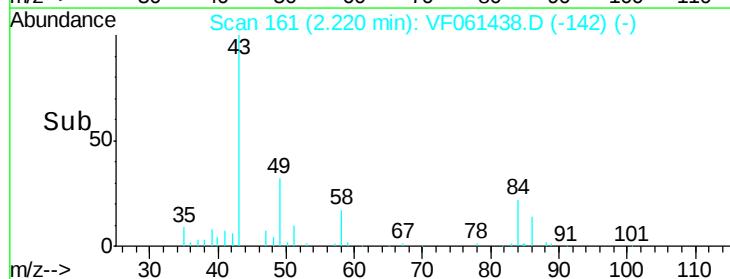
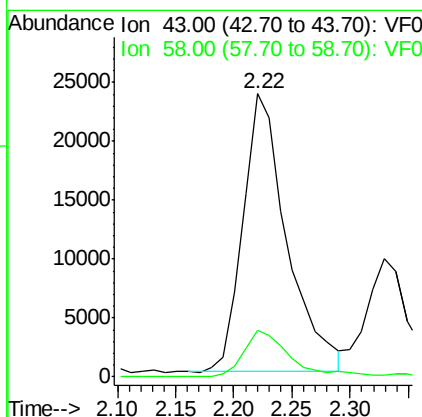
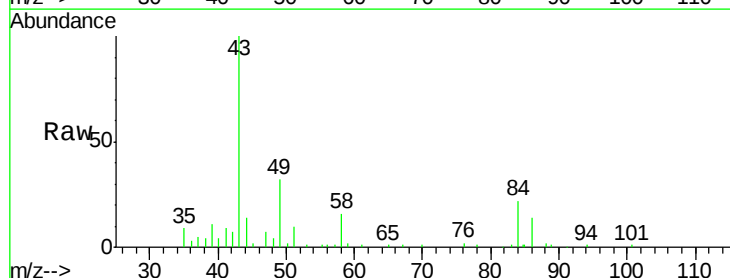
Manual Integrations
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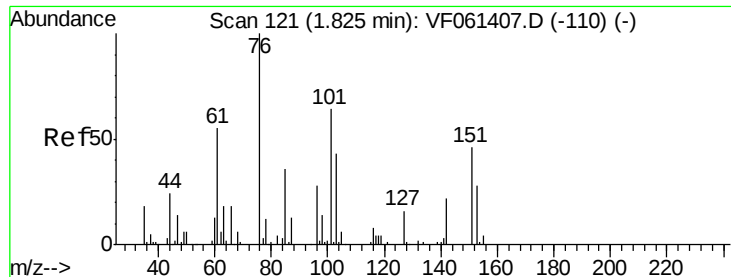
MMDadoda
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#16
 Acetone
 Concen: 127.315 ug/l
 RT: 2.22 min Scan# 161
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.4	13.3	19.9





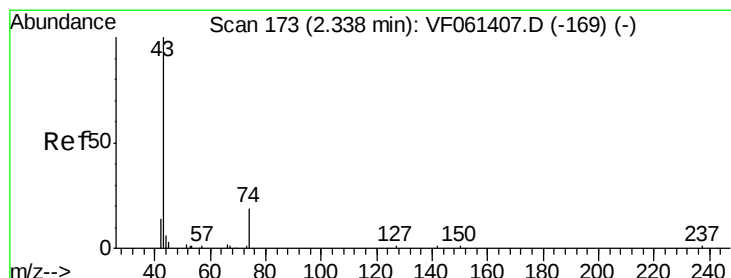
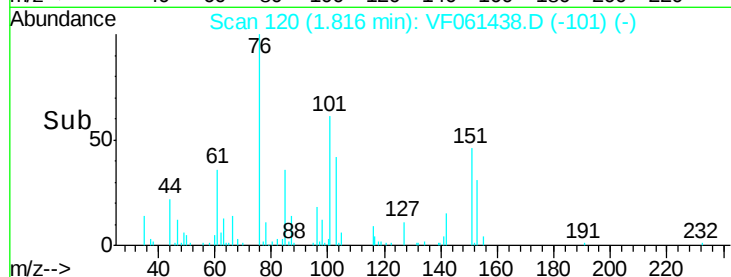
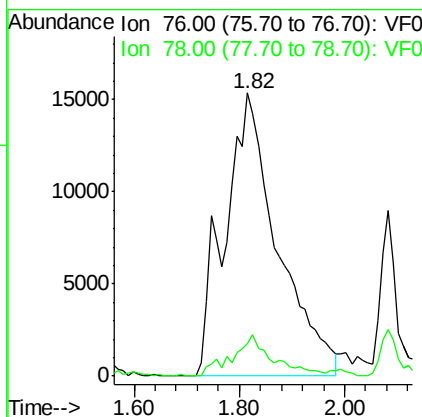
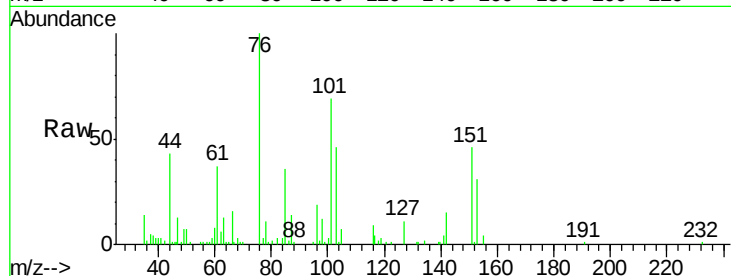
#17
Carbon Disulfide
Concen: 19.636 ug/l m
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion: 76 Resp: 106730
Ion Ratio Lower Upper
76 100
78 11.4 9.6 14.4

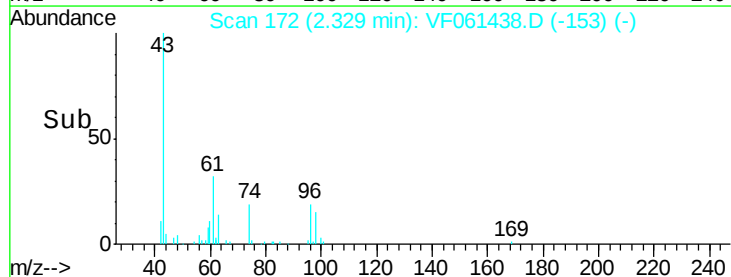
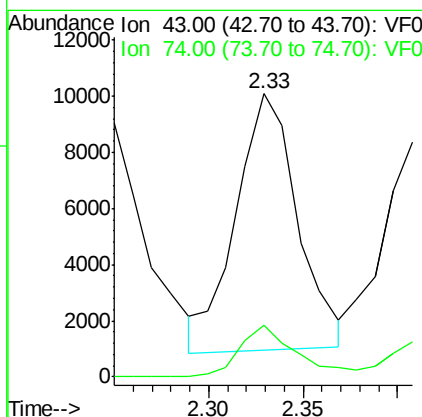
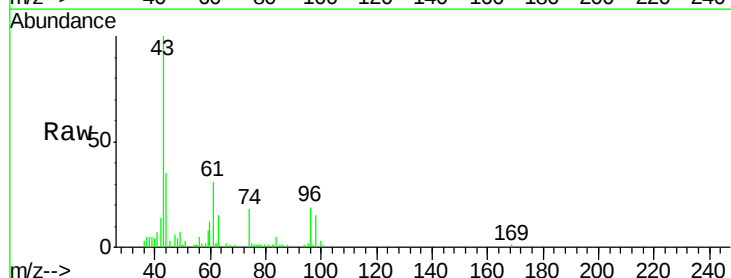
Manual Integrations
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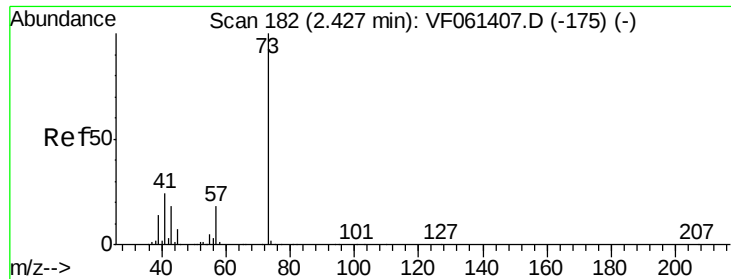
MMDadoda
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#18
Methyl Acetate
Concen: 21.592 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 43 Resp: 20787
Ion Ratio Lower Upper
43 100
74 18.3 13.4 20.0





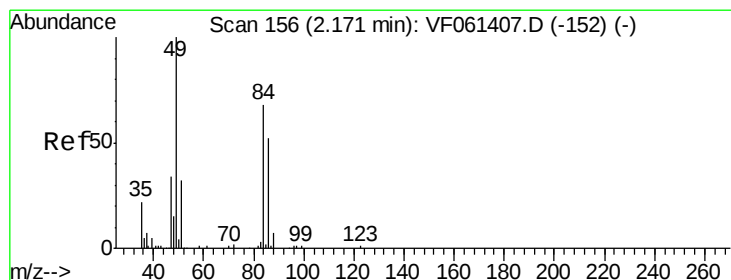
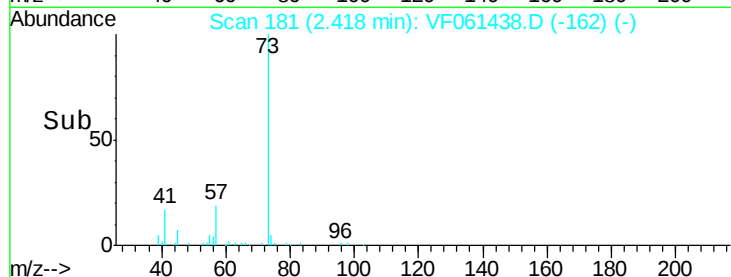
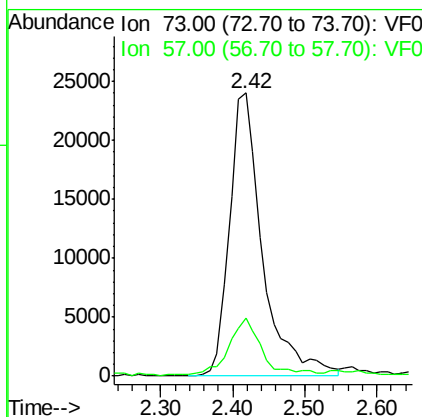
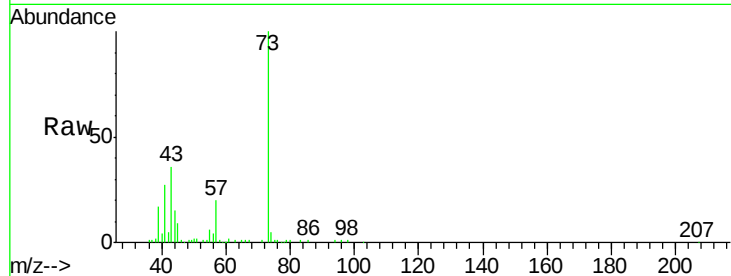
#19
Methvl tert-butvl Ether
Concen: 19.645 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	14.8	22.2

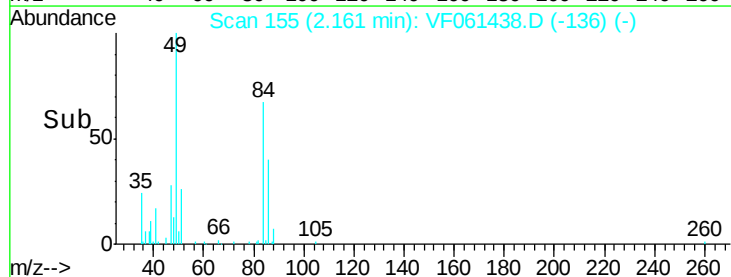
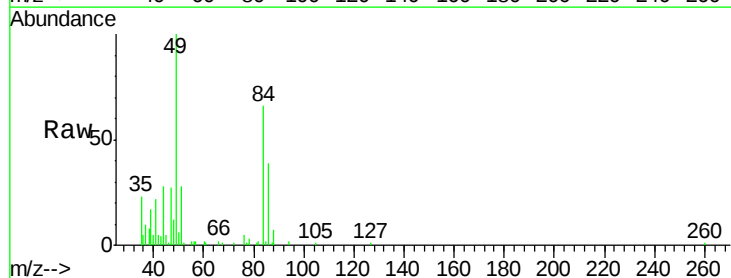
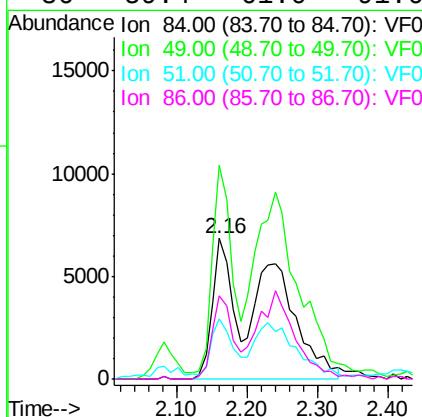
Manual Integrations
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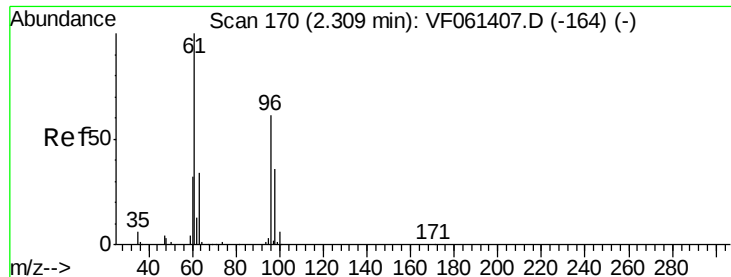
MMDadoda
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#20
Methylene Chloride
Concen: 21.669 ug/l m
RT: 2.16 min Scan# 155
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	120.0	180.0
51	42.4	38.6	58.0
86	59.4	61.0	91.6#





#21

trans-1,2-Dichloroethene

Concen: 20.123 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

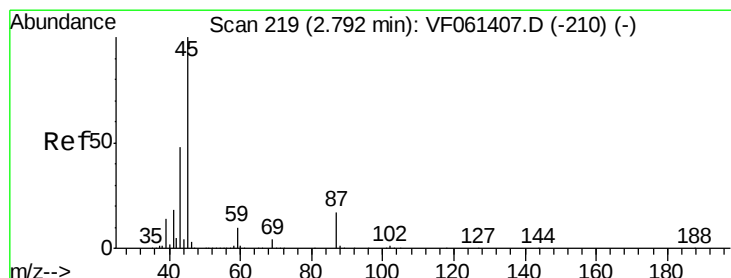
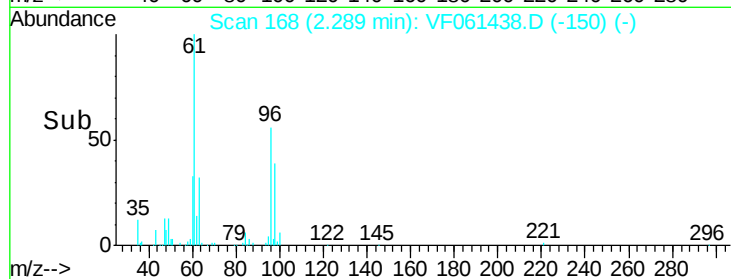
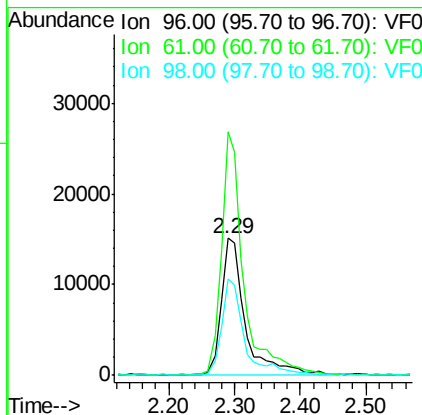
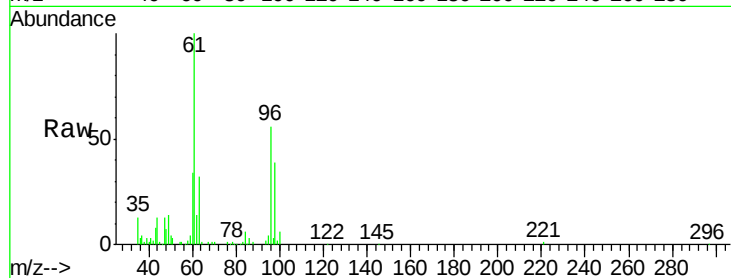
ClientSampleId :

VF0117SBS01

Tot Ion:	96	Resp:	38594
Ion	Ratio	Lower	Upper
96	100		
61	178.0	131.8	197.8
98	70.0	47.4	71.0

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#22

Diisopropyl ether

Concen: 20.891 ug/l

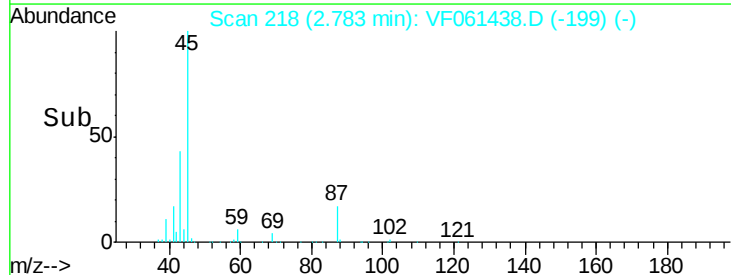
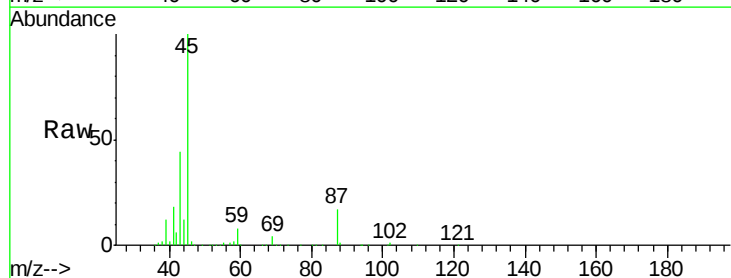
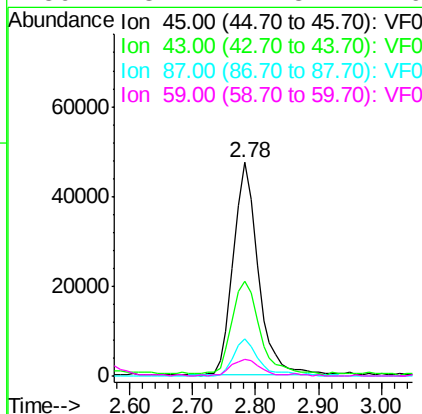
RT: 2.78 min Scan# 218

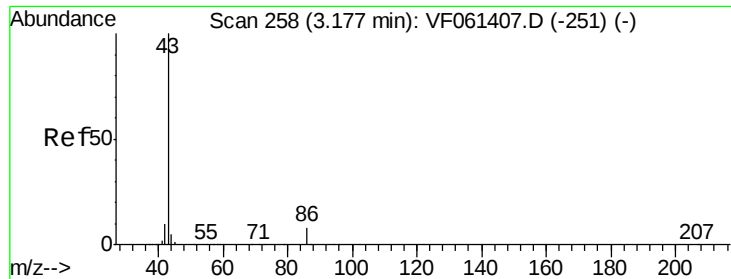
Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	45	Resp:	129598
Ion	Ratio	Lower	Upper
45	100		
43	44.3	39.0	58.6
87	17.2	13.9	20.9
59	8.1	7.8	11.6





#23

Vinyl Acetate

Concen: 127.260 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

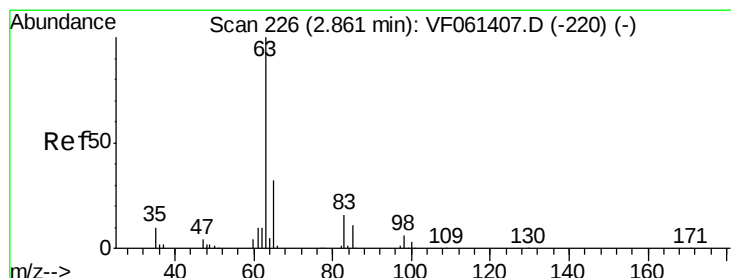
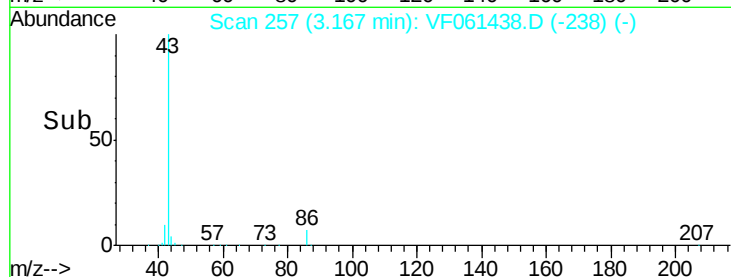
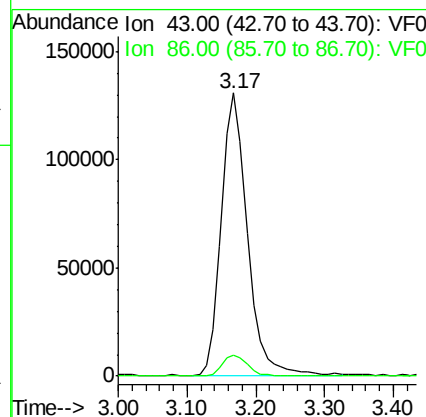
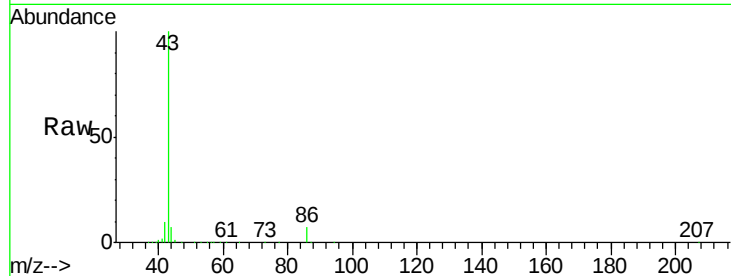
ClientSampleId :

VF0117SBS01

Tot Ion	43	Resp	342907
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.2	9.4

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#24

1,1-Dichloroethane

Concen: 19.813 ug/l

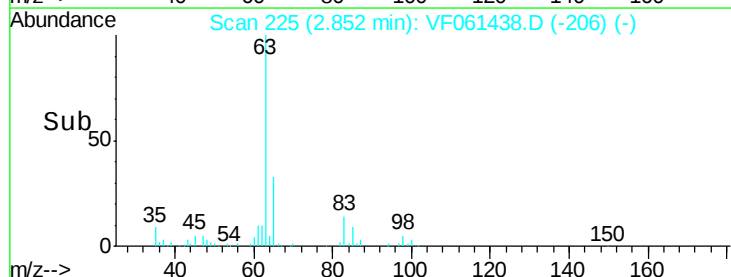
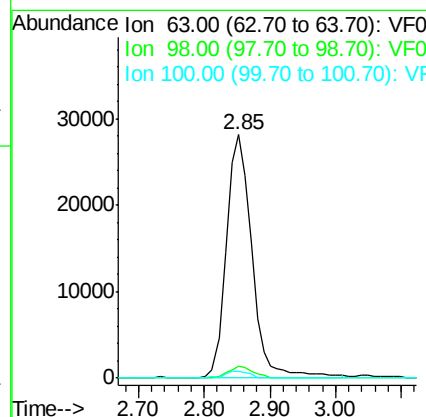
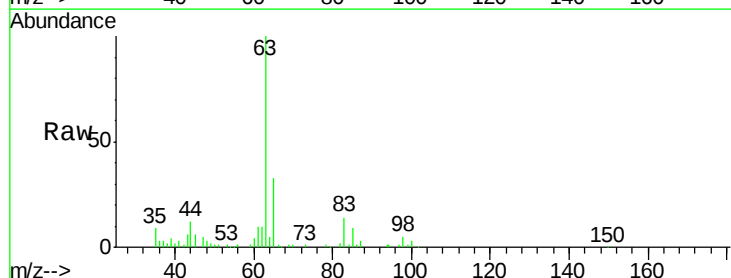
RT: 2.85 min Scan# 225

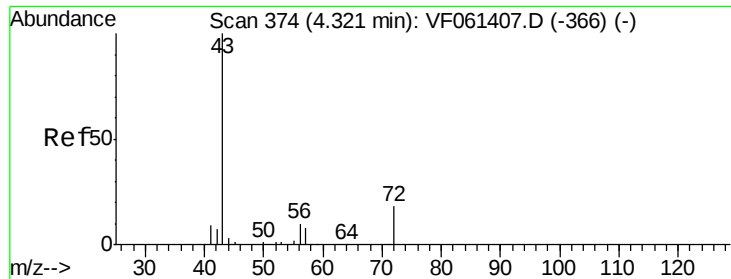
Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion	63	Resp	77140
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.9	8.8
100	2.9	1.6	4.8





#25

2-Butanone

Concen: 125.703 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 43 Resp: 101478

Ion Ratio Lower Upper

43 100

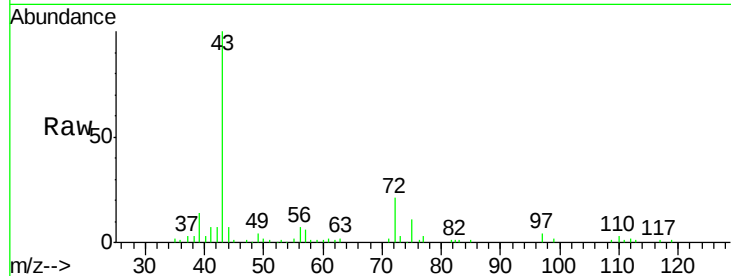
72 20.6 15.8 23.6

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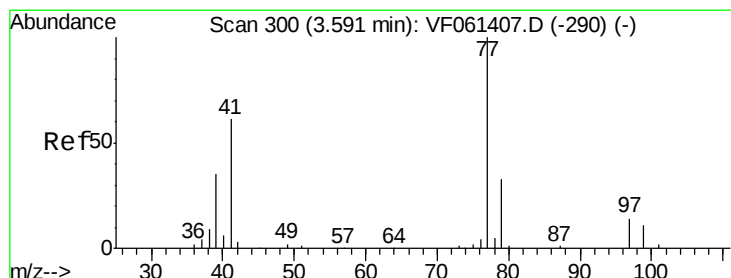
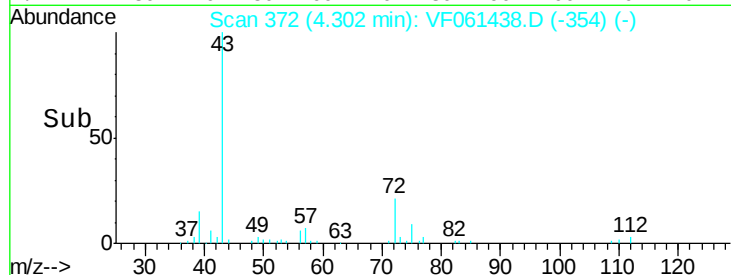
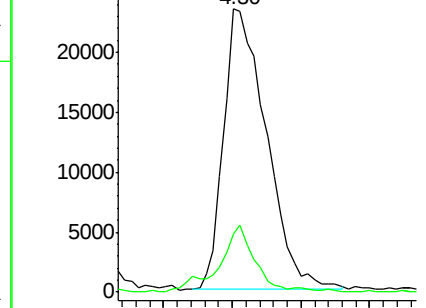
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.207 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.02 min

Lab File: VF061438.D

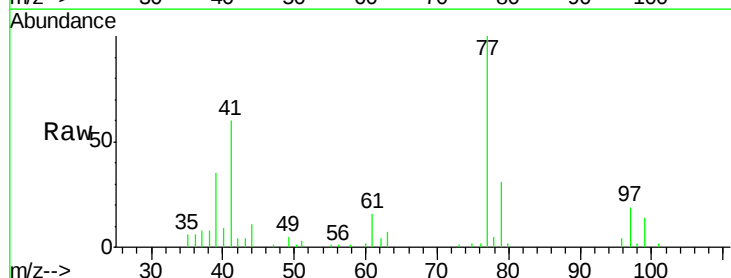
Acq: 17 Jan 2019 12:05

Tgt Ion: 77 Resp: 45944

Ion Ratio Lower Upper

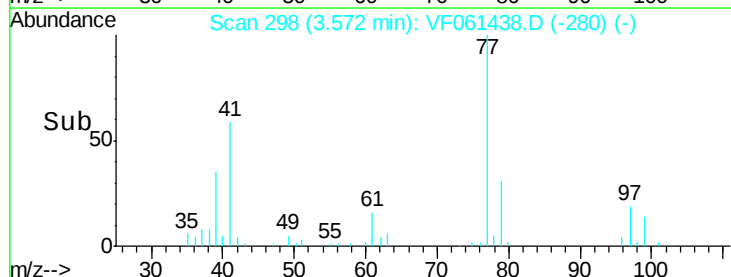
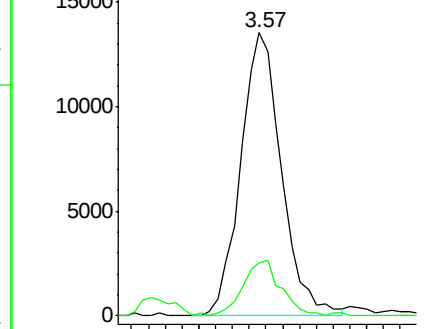
77 100

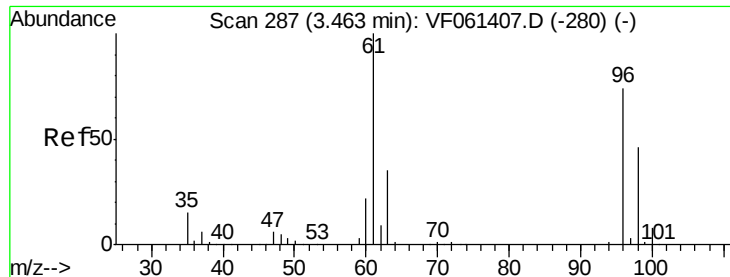
97 18.8 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

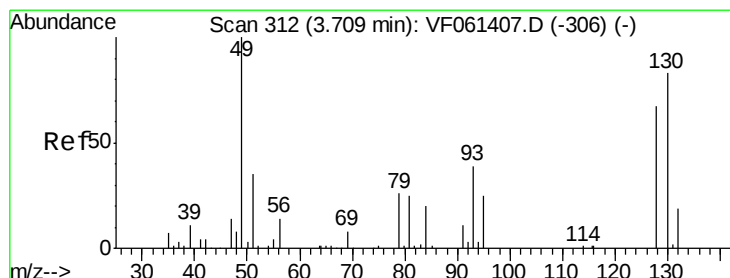
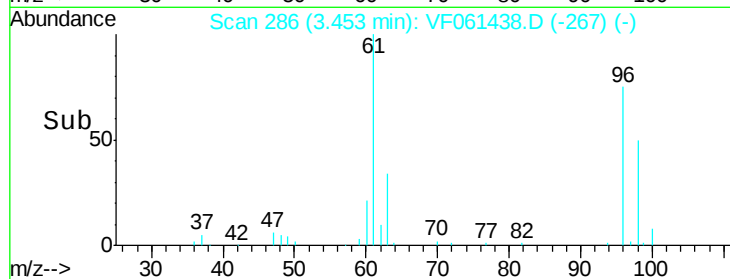
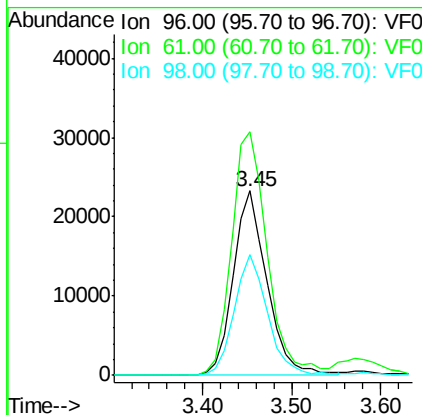
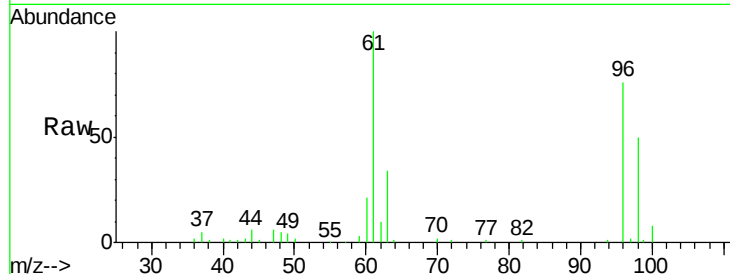
cis-1,2-Dichloroethene
Concen: 21.733 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	61530		
61	132.1		0.0	270.2
98	65.5		0.0	124.0

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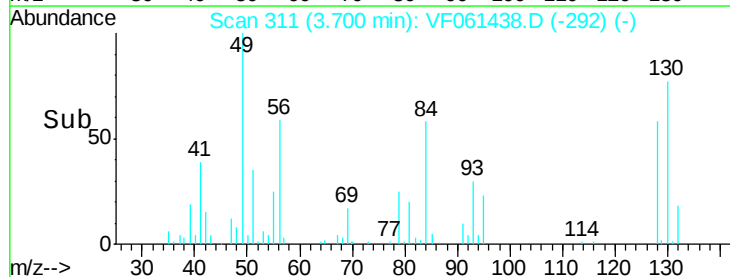
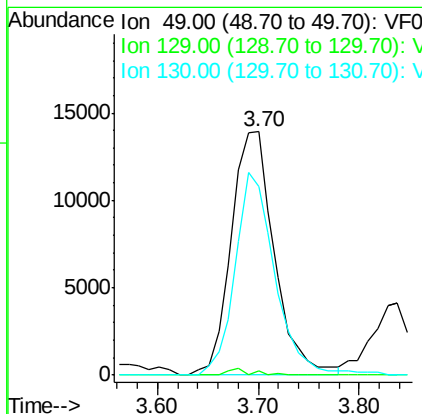
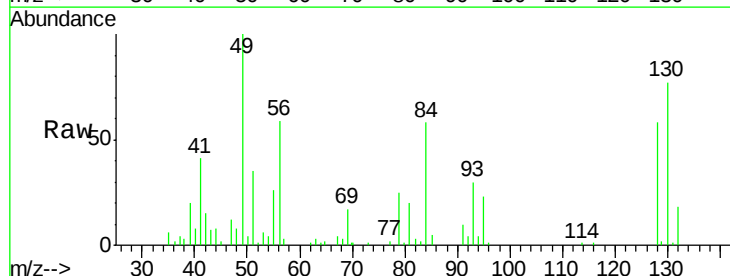
MMDadoda
1/18/2019 3:41:57 PM

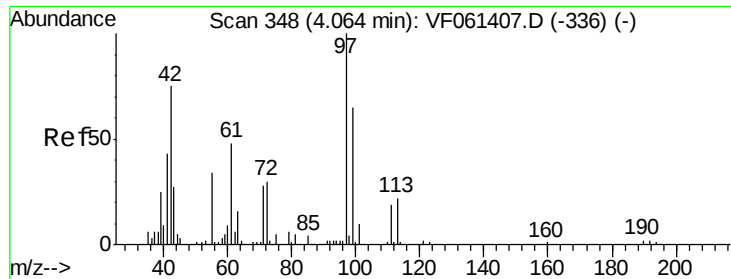


#28

Bromochloromethane
Concen: 23.755 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41575		
129	1.7		0.0	0.0#
130	77.4		65.4	98.2





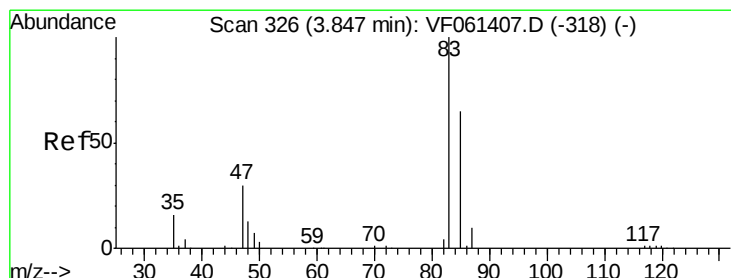
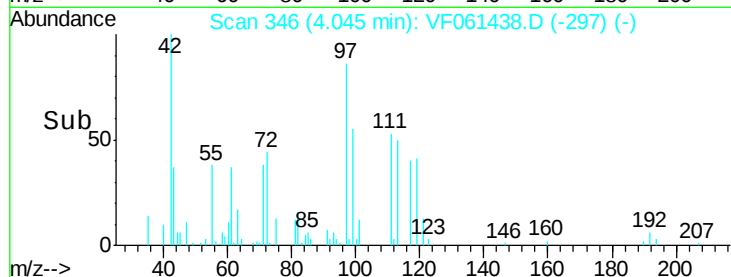
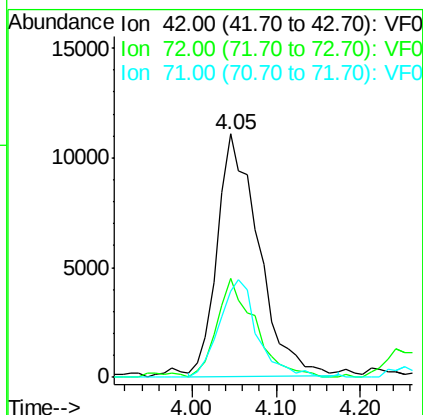
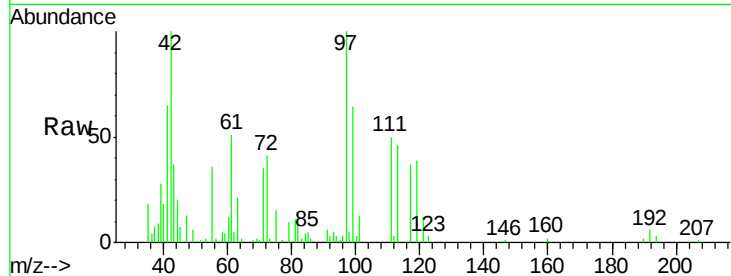
#29
Tetrahydrofuran
Concen: 109.862 ug/l
RT: 4.05 min Scan# 346
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	38189		
72	37.3		28.9	43.3
71	36.5		29.6	44.4

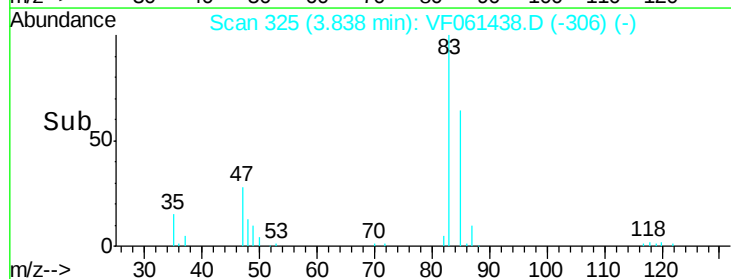
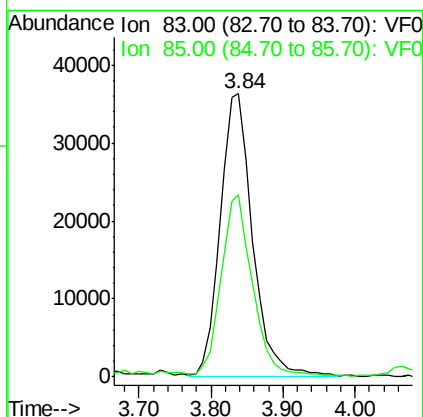
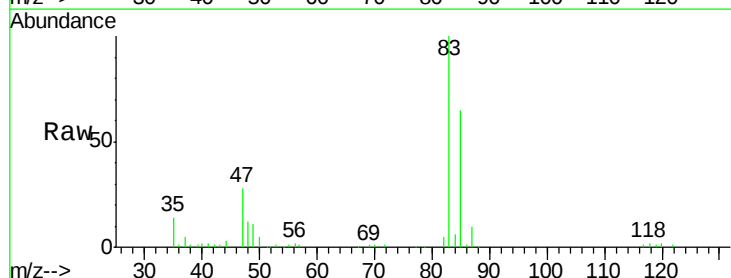
Manual Integrations
APPROVED

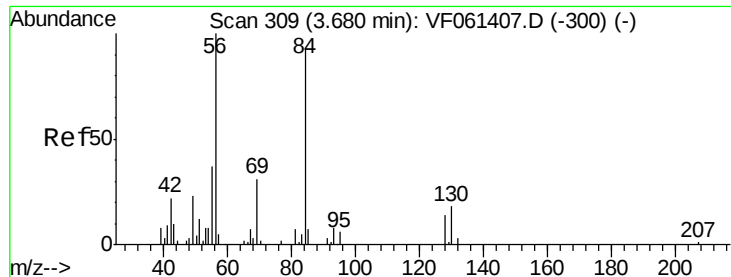
MMDadoda
1/18/2019 3:41:57 PM



#30
Chloroform
Concen: 21.529 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	113124		
85	64.5		52.7	79.1





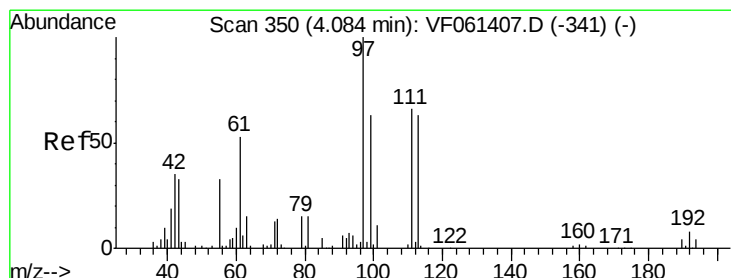
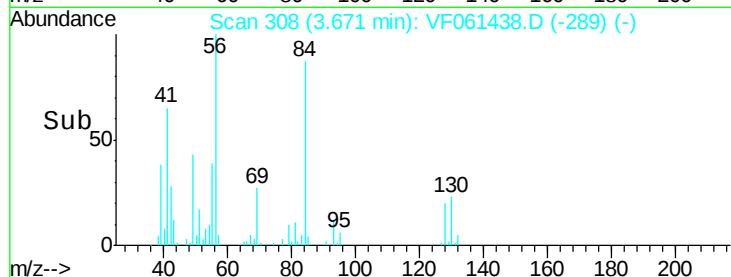
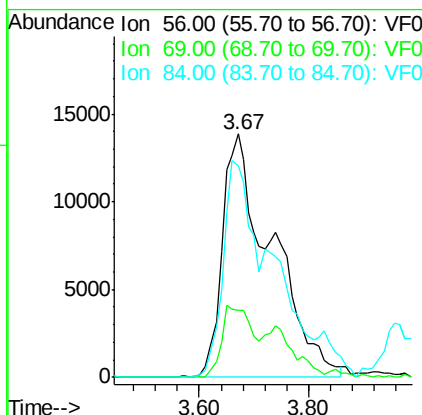
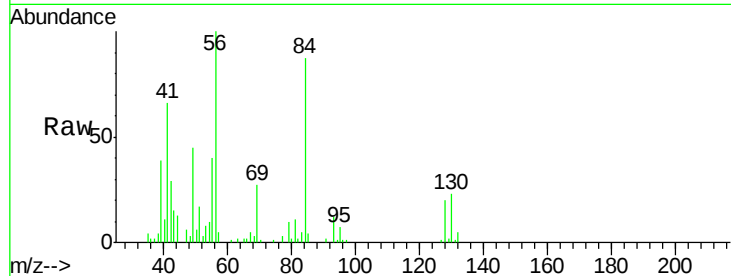
#31
Cvclohexane
Concen: 22.188 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	24.6	36.8
84	87.1	74.2	111.2

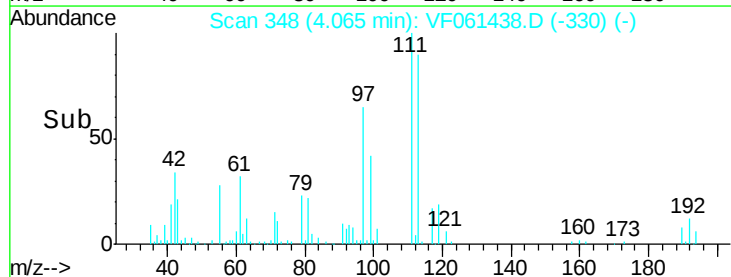
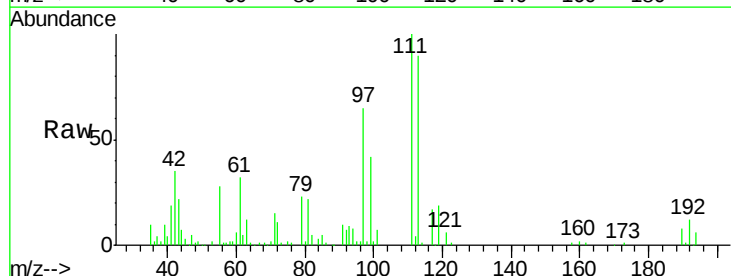
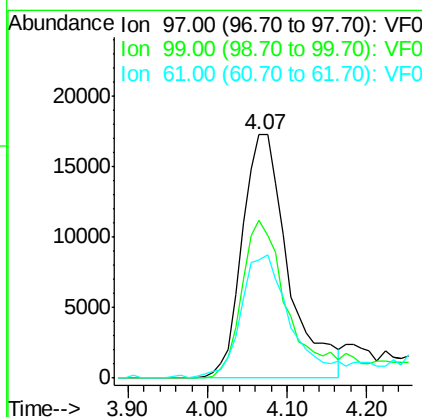
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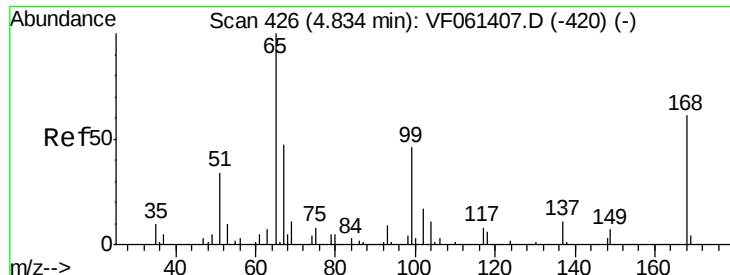
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#32
1,1,1-Trichloroethane
Concen: 17.959 ug/l
RT: 4.07 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.1	75.1
61	48.6	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 50.284 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.02 min

Lab File: VF061438.D

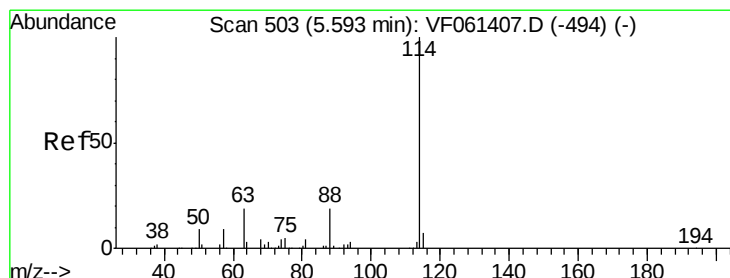
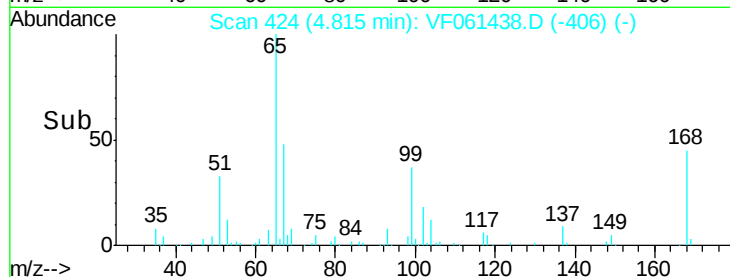
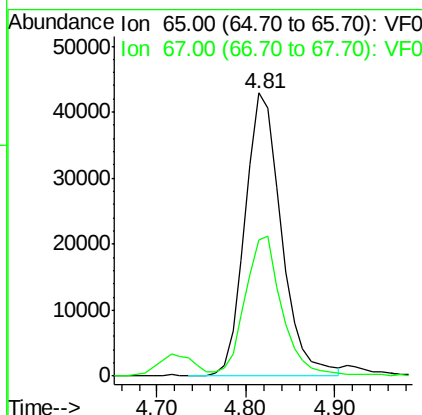
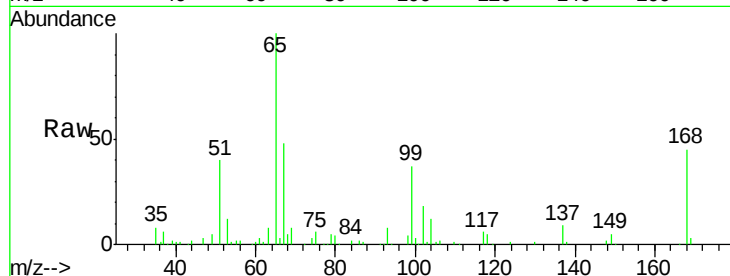
Acq: 17 Jan 2019 12:05

Tot Ion:	65	Resp:	121680
Ion Ratio	Lower	Upper	
65	100		
67	48.3	0.0	99.8

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

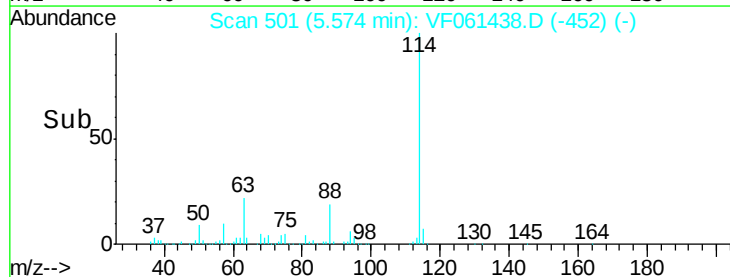
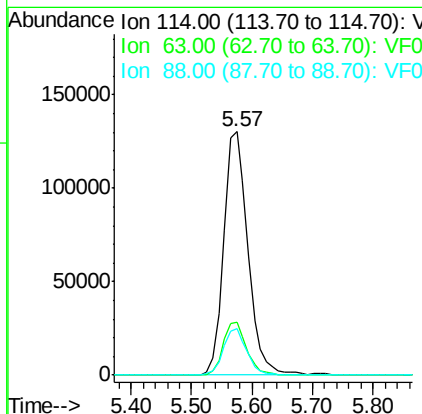
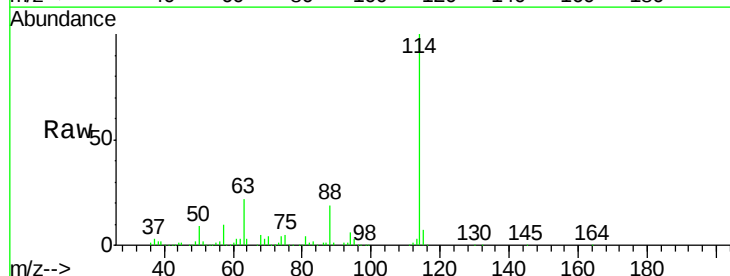
RT: 5.57 min Scan# 501

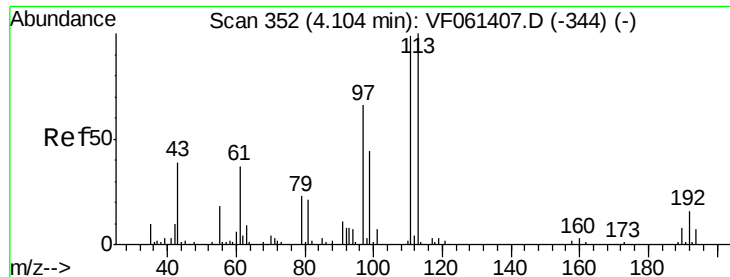
Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	114	Resp:	362916
Ion Ratio	Lower	Upper	
114	100		
63	21.8	0.0	39.0
88	18.9	0.0	37.4





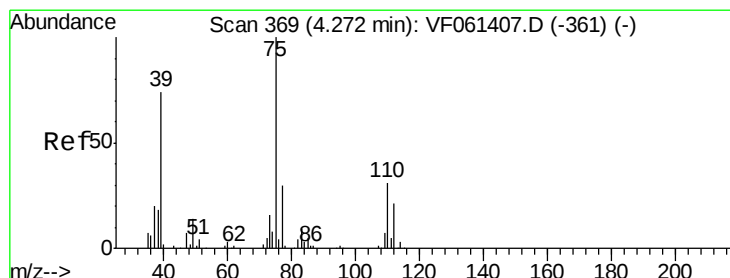
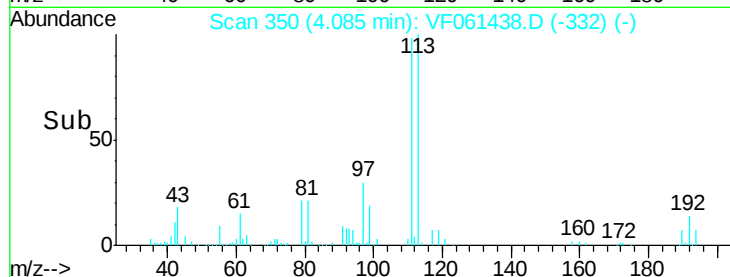
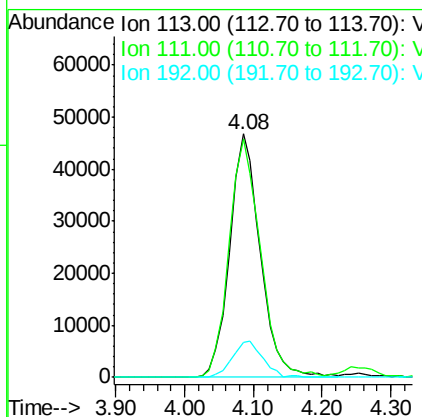
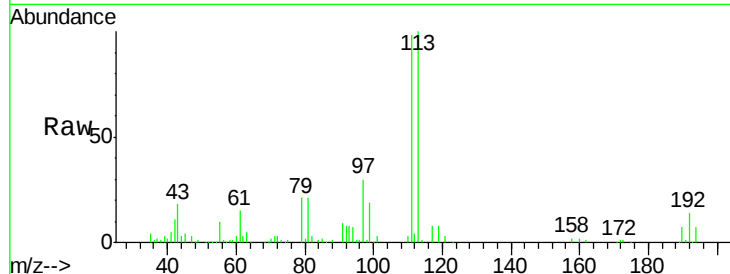
#35
 Dibromofluoromethane
 Concen: 50.126 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143548		
111	97.9		79.4	119.0
192	14.5		12.4	18.6

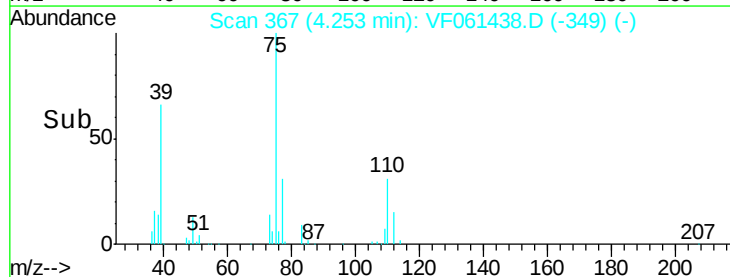
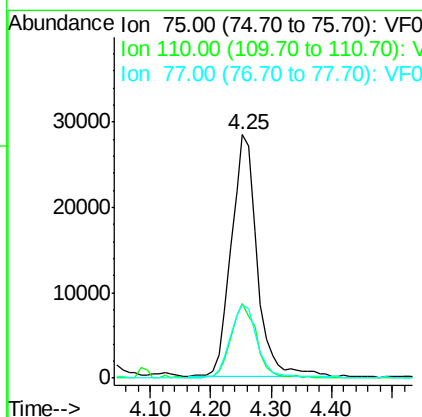
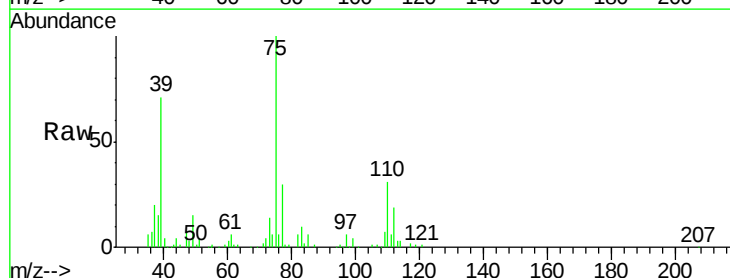
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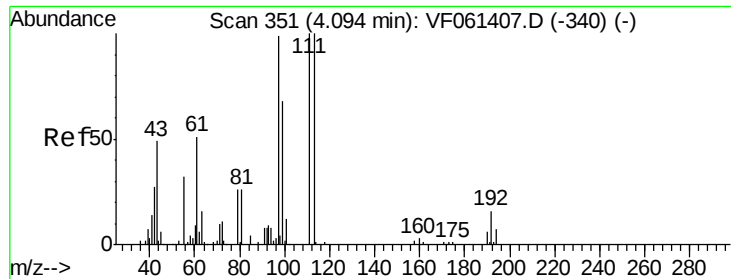
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#36
 1,1-Dichloropropene
 Concen: 19.928 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83852		
110	30.6		15.8	47.3
77	30.2		24.0	36.0





#37

Ethyl Acetate

Concen: 19.778 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

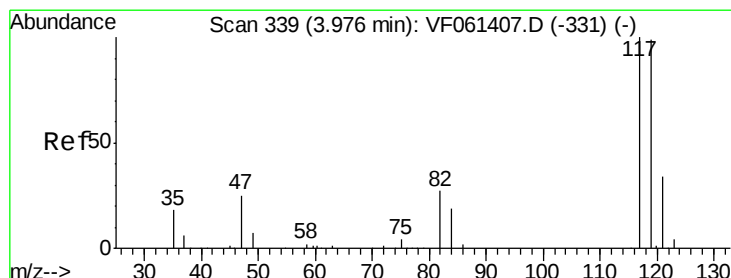
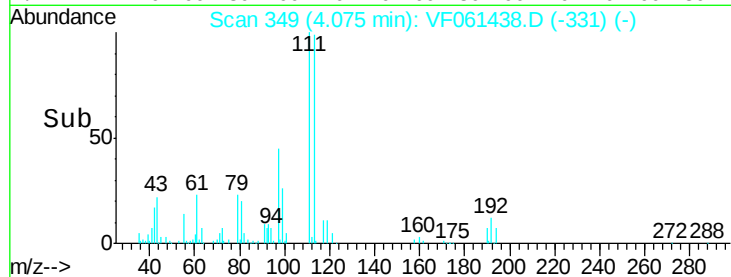
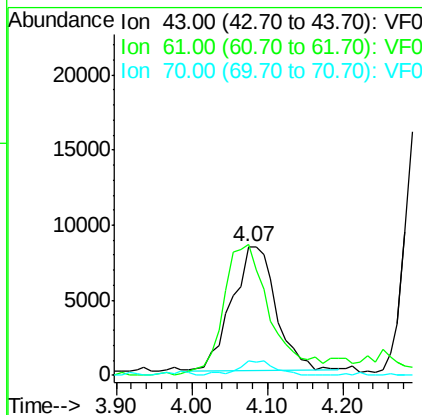
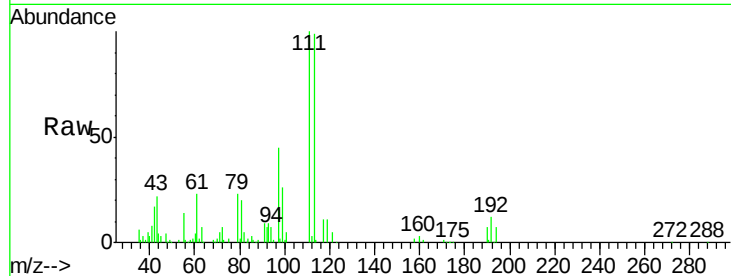
ClientSampleId :

VF0117SBS01

Tot Ion:	43	Resp:	33266
Ion	Ratio	Lower	Upper
43	100		
61	101.8	81.7	122.5
70	11.1	6.2	9.2#

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#38

Carbon Tetrachloride

Concen: 17.833 ug/l

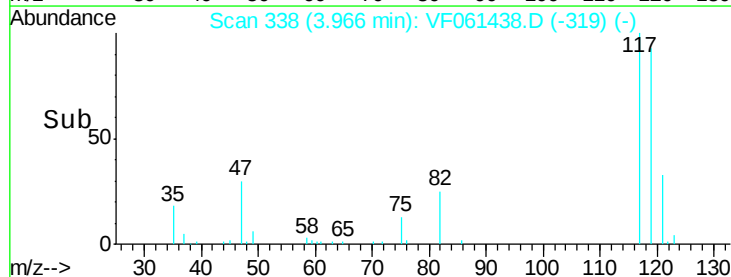
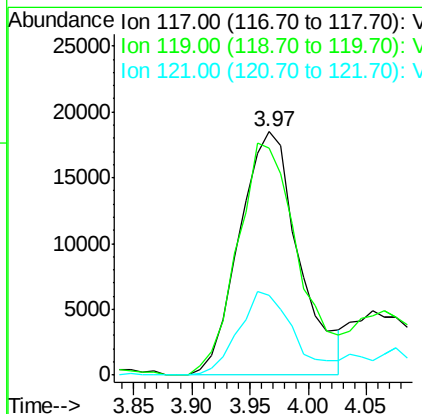
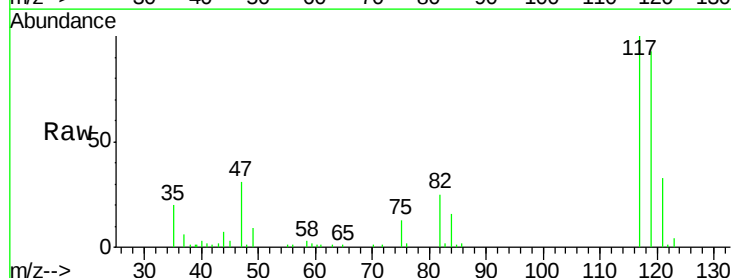
RT: 3.97 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	117	Resp:	65603
Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.0	118.6
121	32.7	27.0	40.6





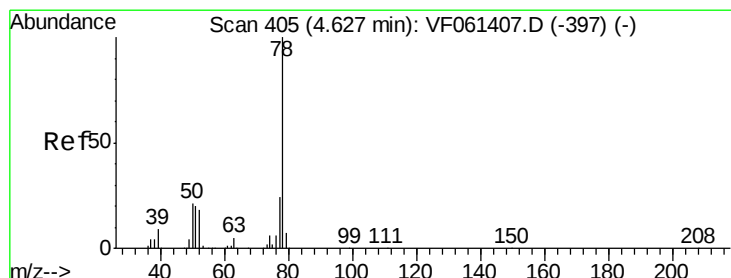
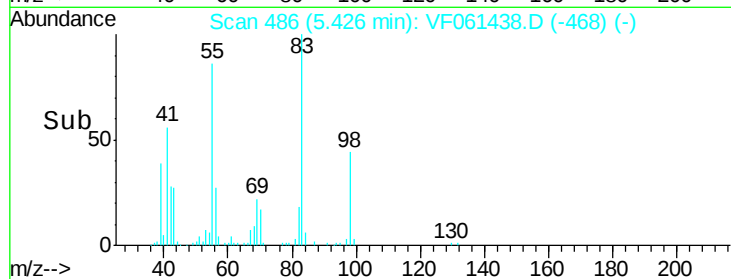
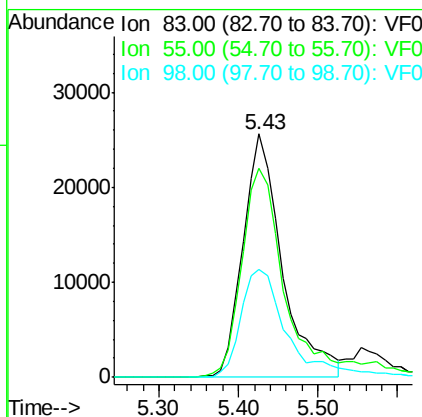
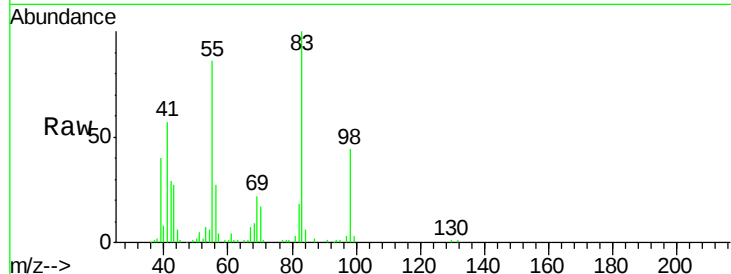
#39
Methvlcvclohexane
Concen: 19.240 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	83	Resp	87734
Ion Ratio	Lower	Upper	
83	100		
55	86.0	67.4	101.2
98	44.1	36.7	55.1

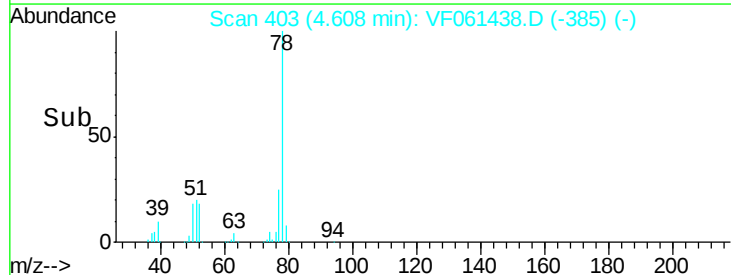
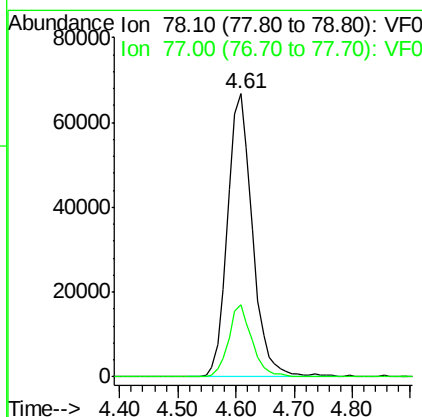
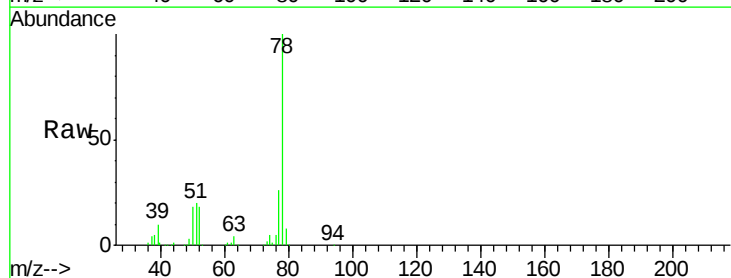
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#40
Benzene
Concen: 21.271 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	78	Resp	199162
Ion Ratio	Lower	Upper	
78	100		
77	25.6	19.0	28.6





#41

Methacrylonitrile

Concen: 19.747 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

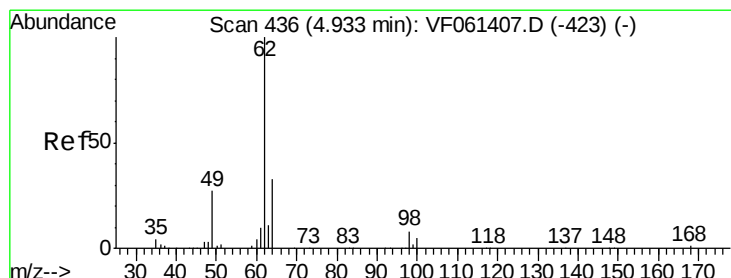
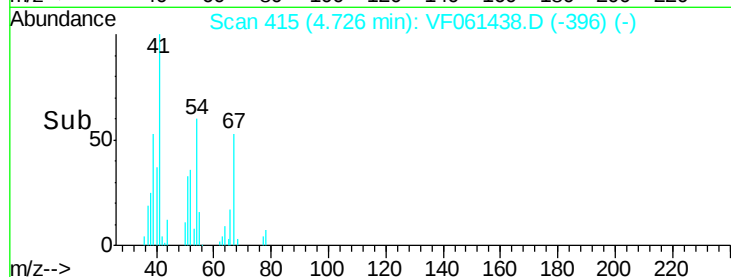
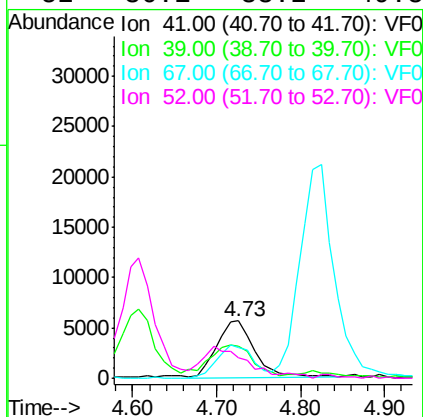
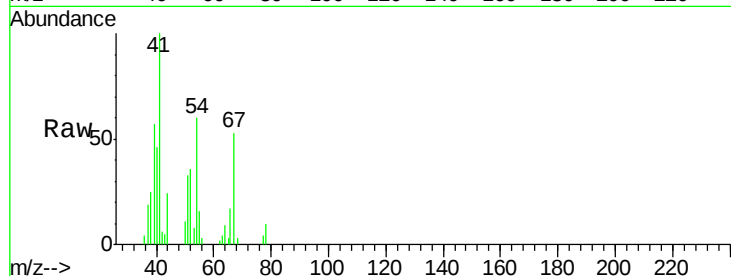
ClientSampleId :

VF0117SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.7	43.1	64.7	
67	53.0	38.8	58.2	
52	36.1	33.2	49.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 17.869 ug/l

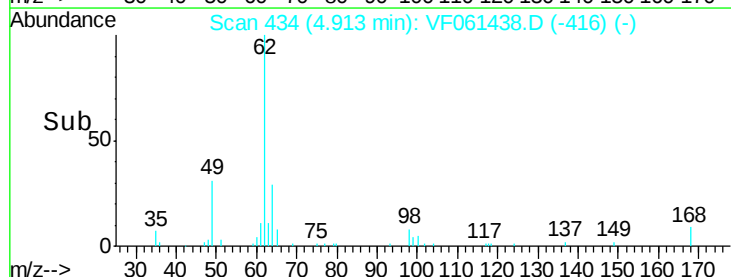
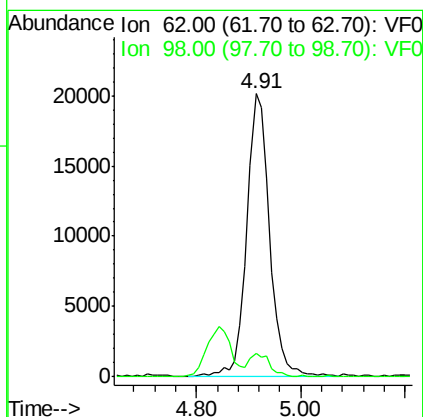
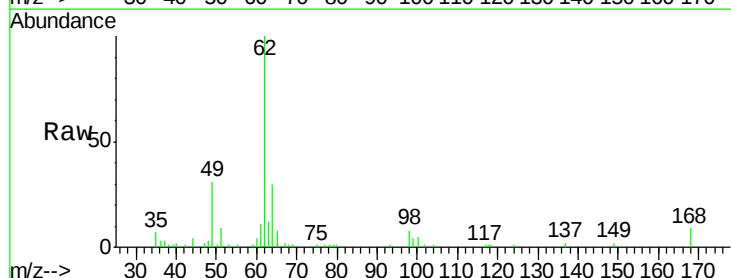
RT: 4.91 min Scan# 434

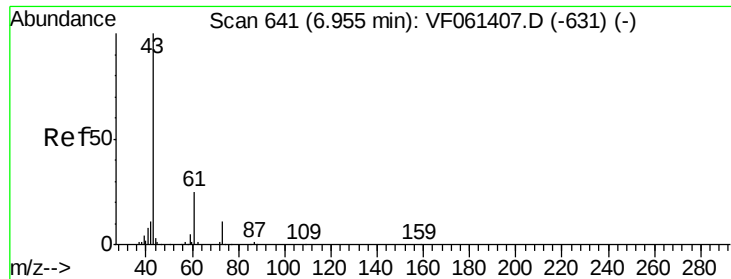
Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





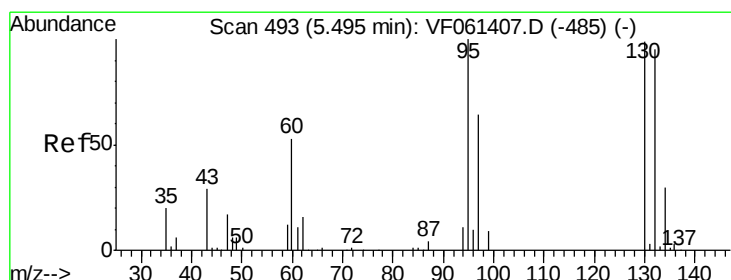
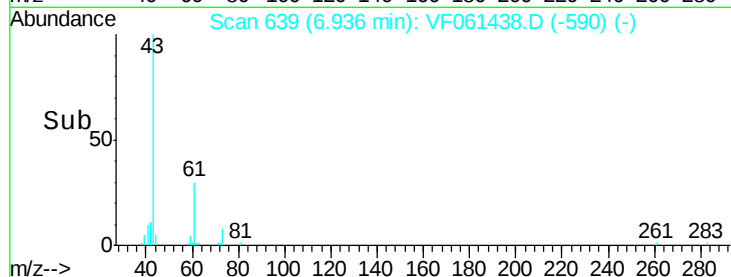
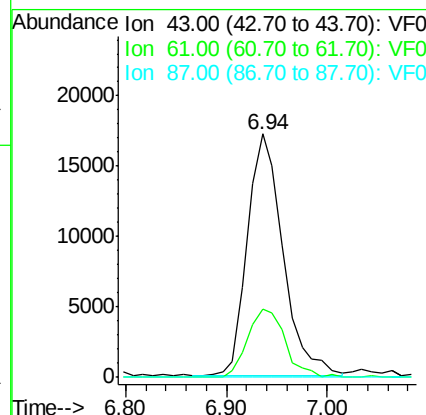
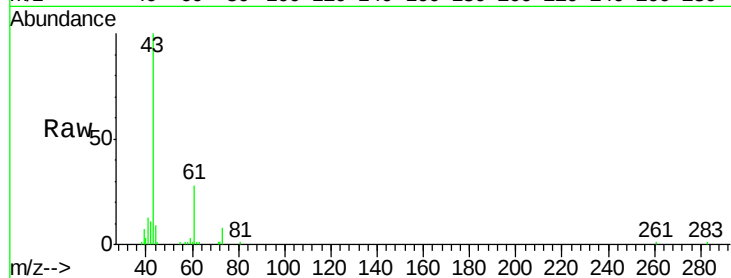
#43
Isopropyl Acetate
Concen: 20.146 ug/l
RT: 6.94 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.3	30.5
87	0.0	0.5	0.7#

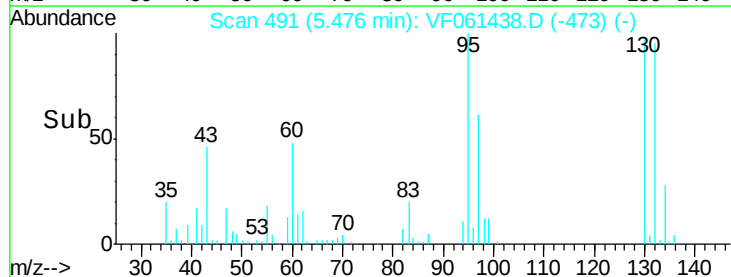
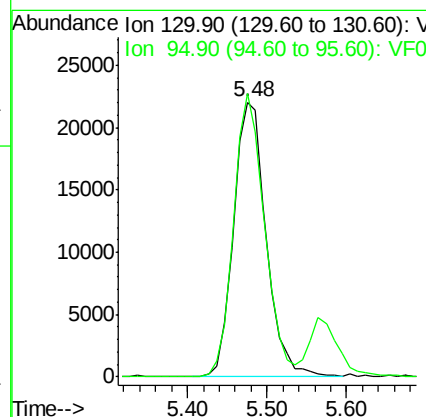
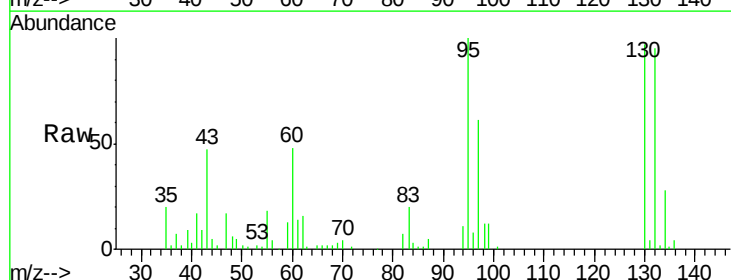
Manual Integrations
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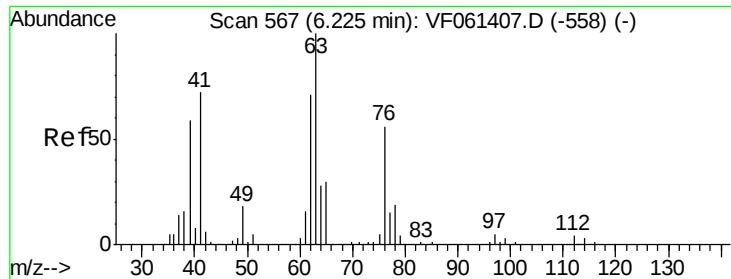
MMDadoda
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#44
Trichloroethene
Concen: 21.882 ug/l
RT: 5.48 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 21.596 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 63 Resp: 53071

Ion Ratio Lower Upper

63 100

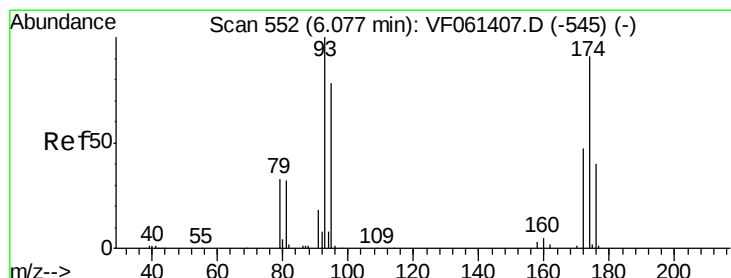
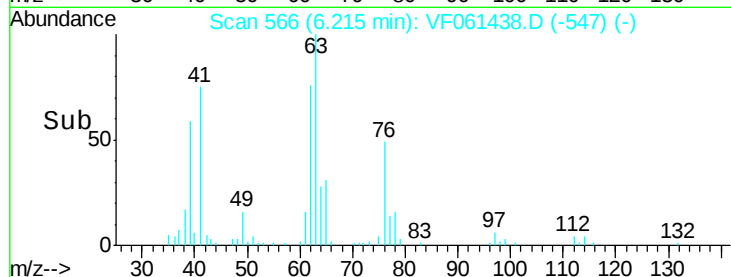
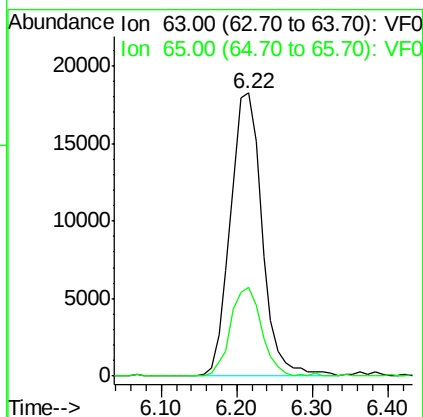
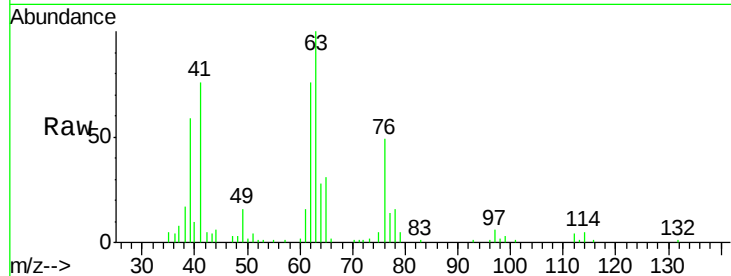
65 31.4 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.310 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

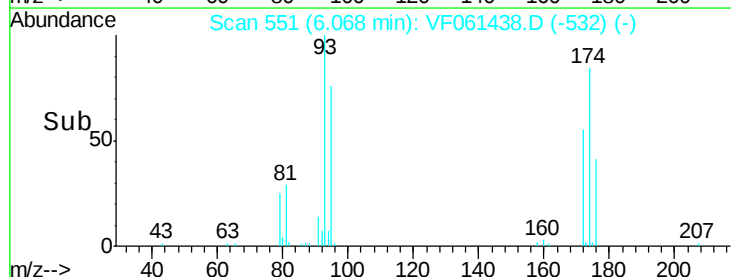
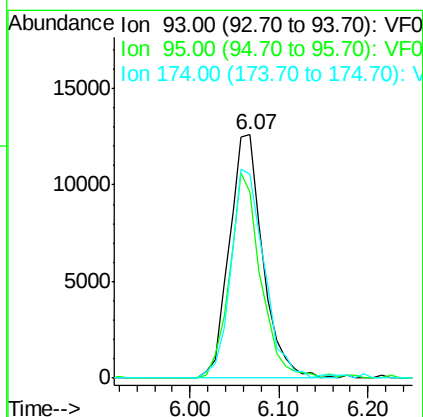
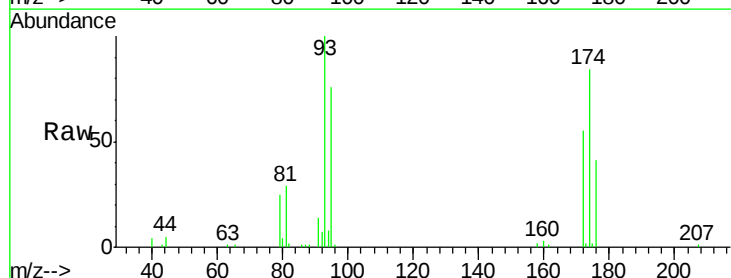
Tgt Ion: 93 Resp: 33186

Ion Ratio Lower Upper

93 100

95 76.2 62.1 93.1

174 83.5 74.6 111.8





#47

Bromodichloromethane

Concen: 20.221 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

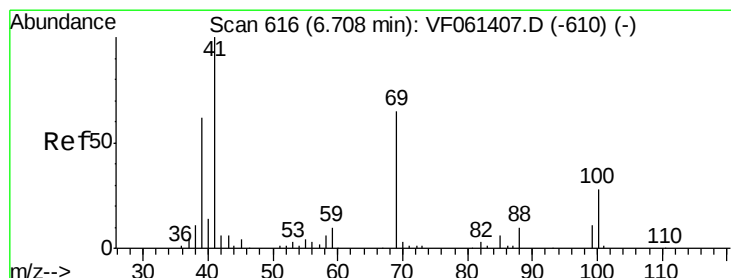
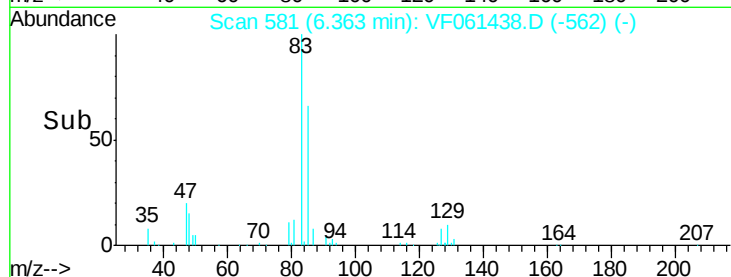
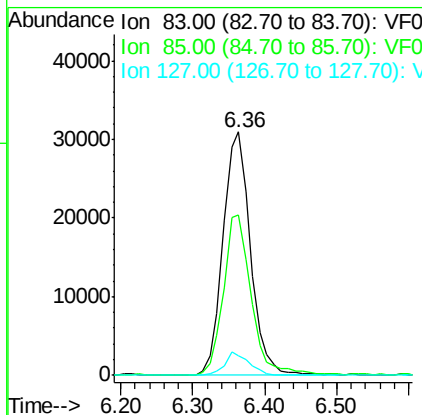
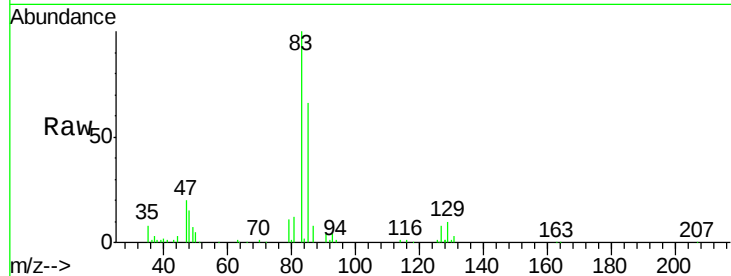
ClientSampleId :

VF0117SBS01

Tot Ion:	83	Resp:	81752
Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.0	79.4
127	7.9	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.585 ug/l

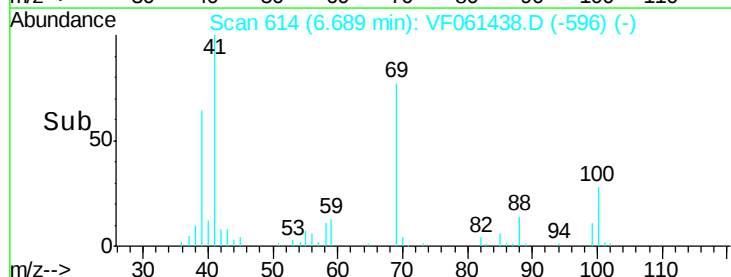
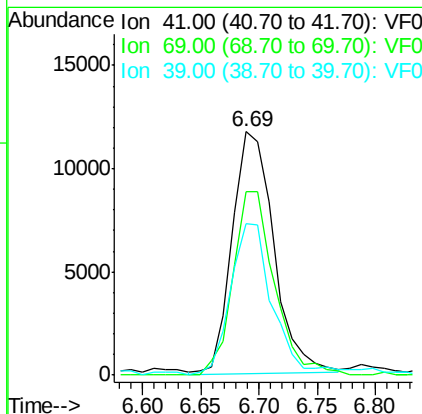
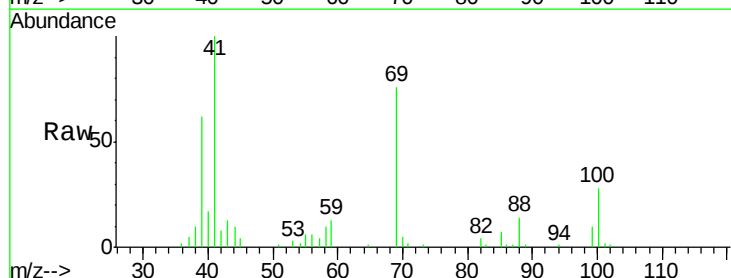
RT: 6.69 min Scan# 614

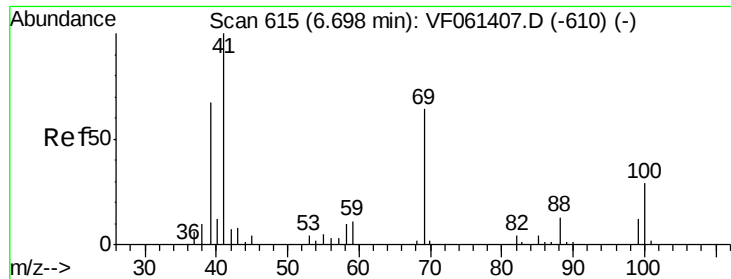
Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	41	Resp:	29180
Ion	Ratio	Lower	Upper
41	100		
69	75.5	51.7	77.5
39	62.4	49.2	73.8





#49

1,4-Dioxane

Concen: 391.076 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

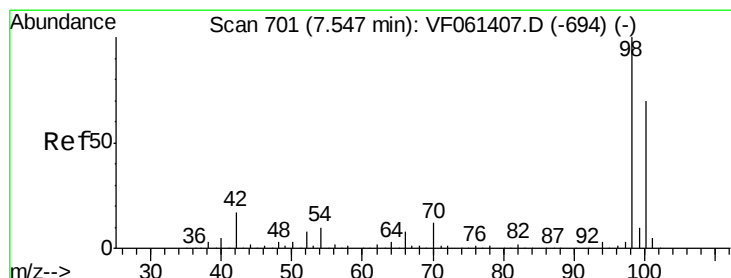
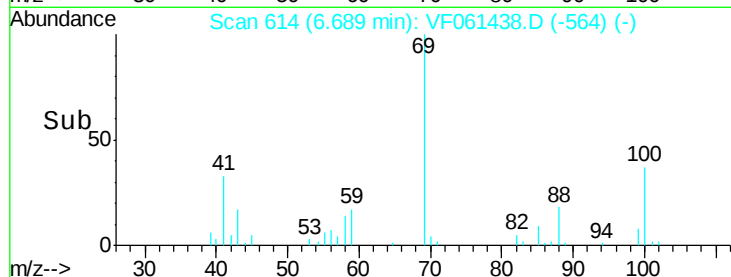
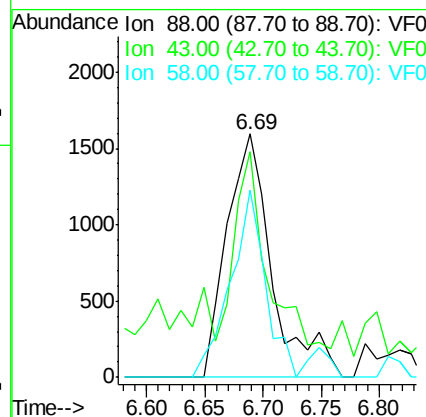
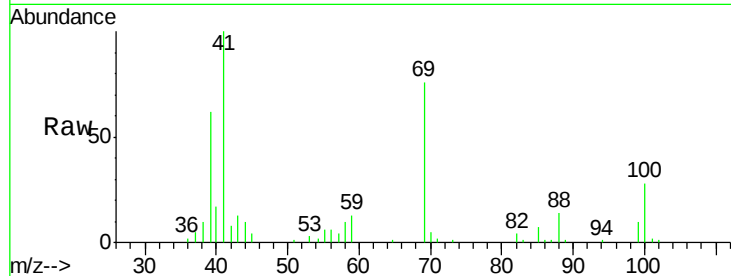
ClientSampleId :

VF0117SBS01

Tot Ion:	88	Resp:	4288
Ion	Ratio	Lower	Upper
88	100		
43	92.9	55.5	83.3#
58	76.7	59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 52.052 ug/l

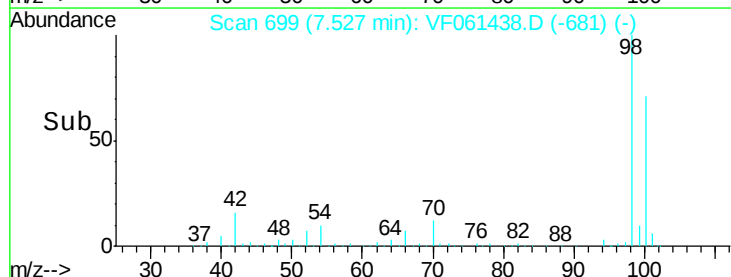
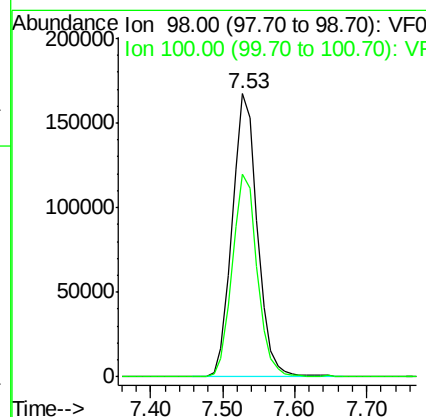
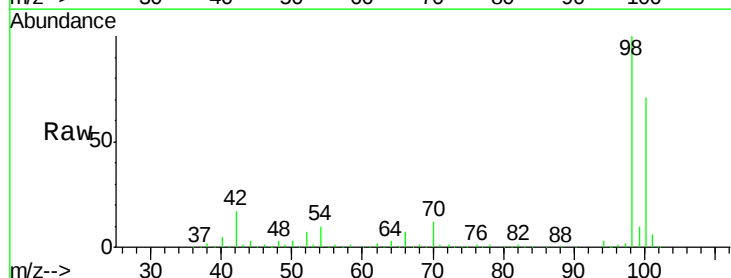
RT: 7.53 min Scan# 699

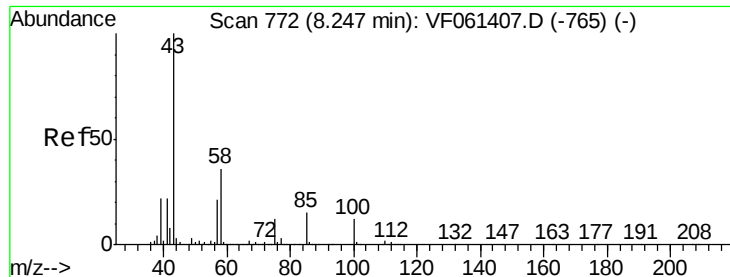
Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	98	Resp:	408403
Ion	Ratio	Lower	Upper
98	100		
100	71.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 111.218 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 43 Resp: 172605

Ion Ratio Lower Upper

43 100

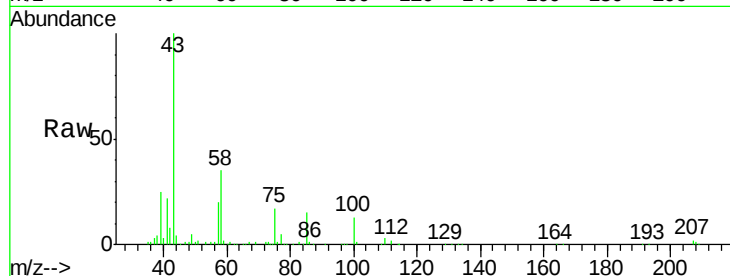
58 35.5 28.8 43.2

Manual Integrations

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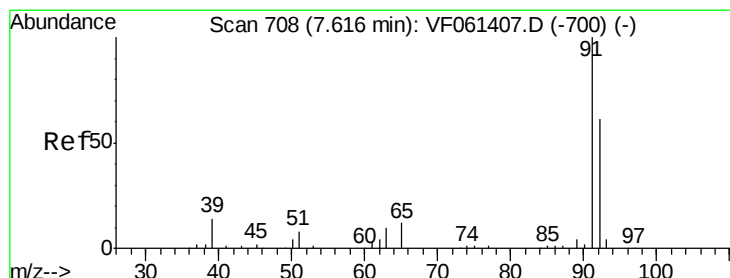
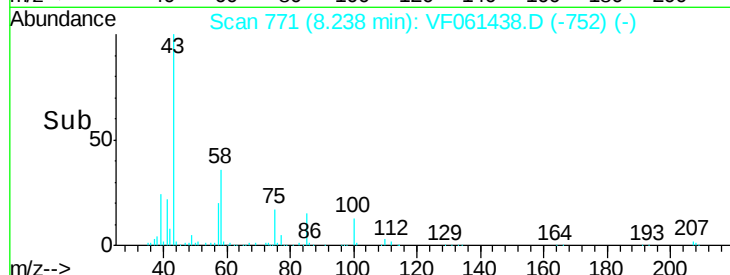
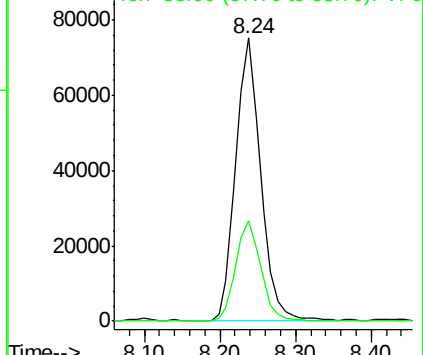
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.295 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061438.D

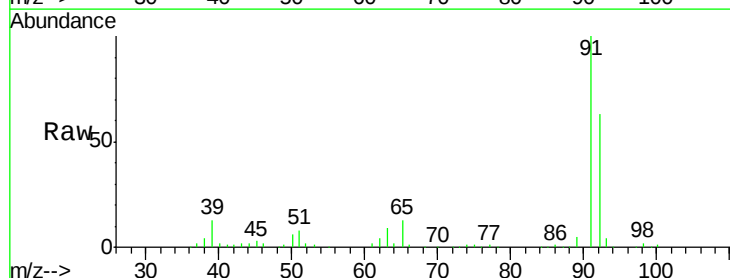
Acq: 17 Jan 2019 12:05

Tgt Ion: 92 Resp: 118975

Ion Ratio Lower Upper

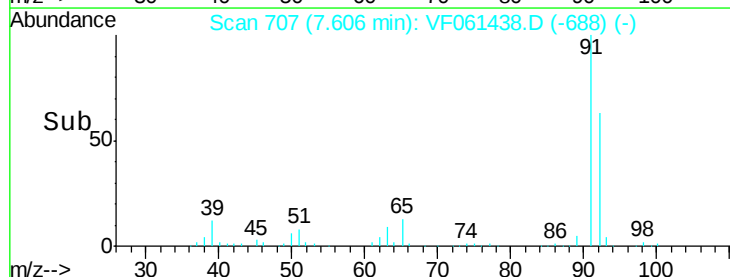
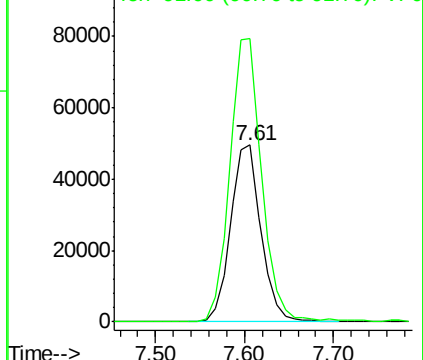
92 100

91 159.9 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.951 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 75 Resp: 67259

Ion Ratio Lower Upper

75 100

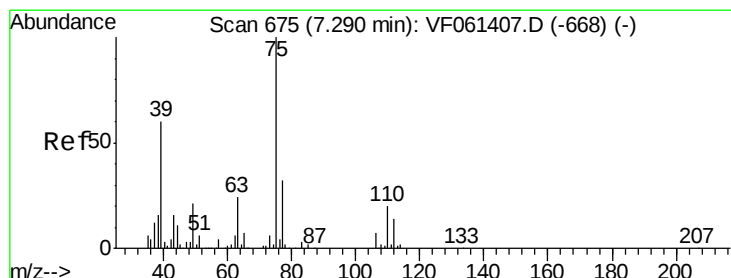
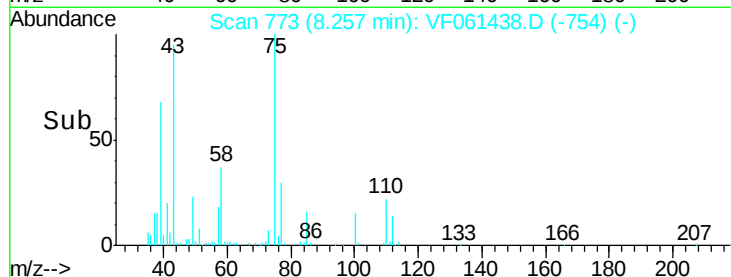
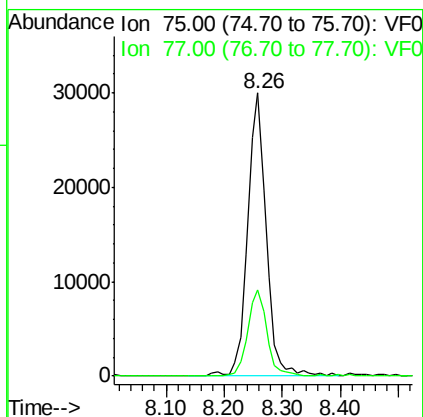
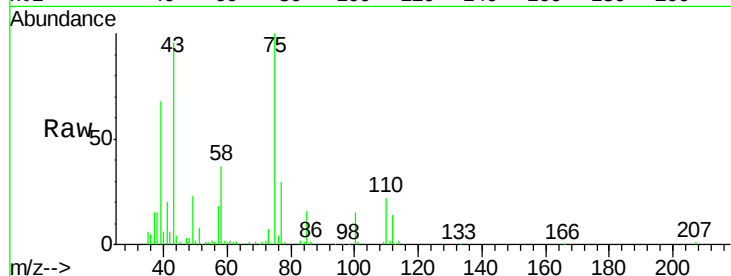
77 30.4 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.930 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

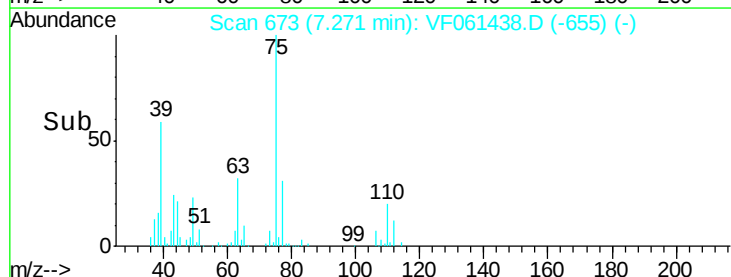
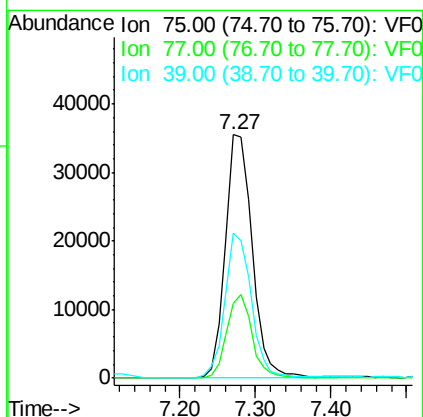
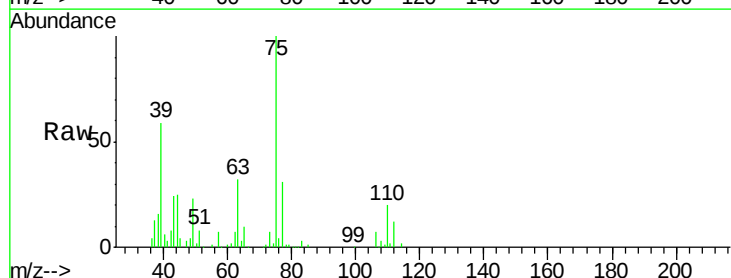
Tgt Ion: 75 Resp: 87998

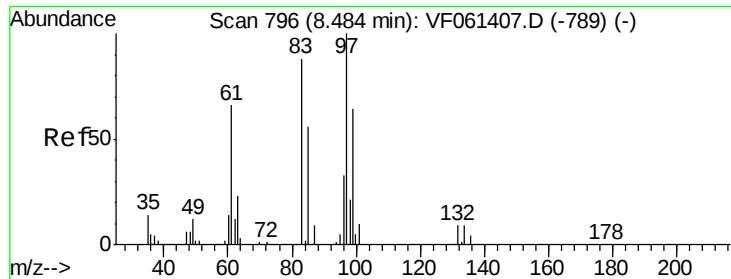
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 59.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 20.328 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

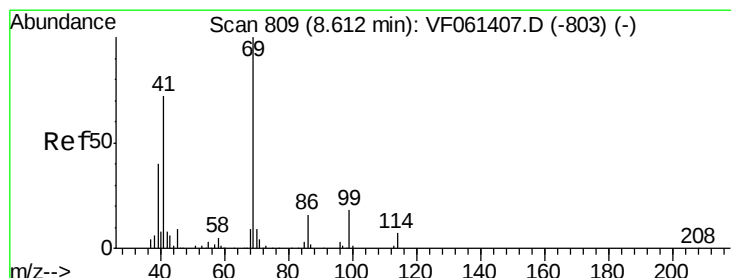
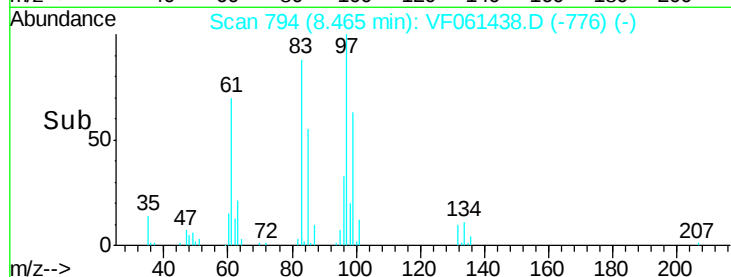
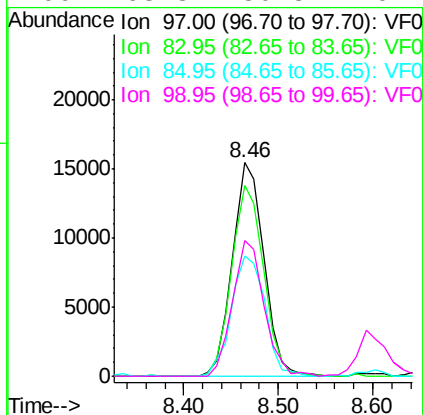
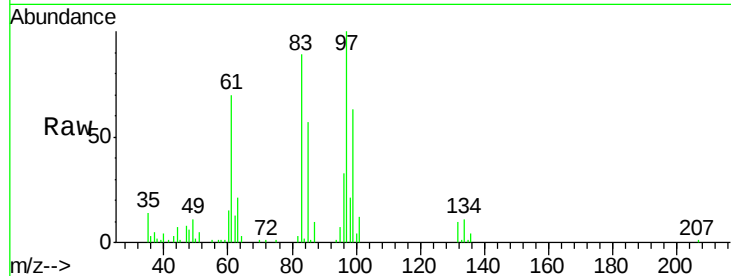
ClientSampleId :

VF0117SBS01

Tot Ion:	97	Resp:	35593
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.4	105.6
85	56.5	44.7	67.1
99	63.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.129 ug/l

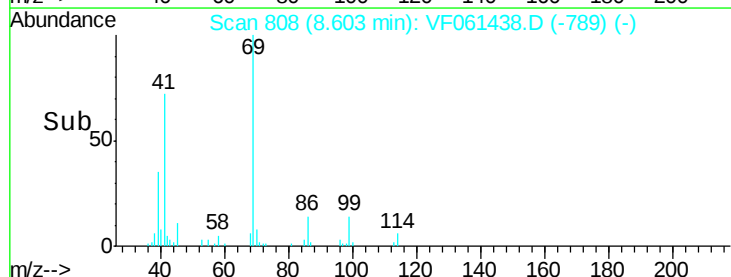
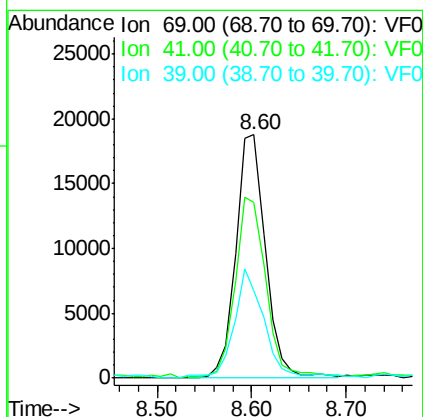
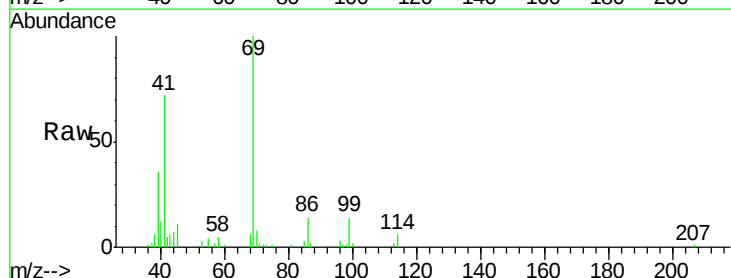
RT: 8.60 min Scan# 808

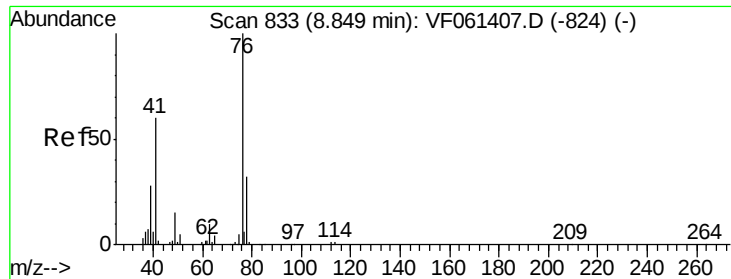
Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	69	Resp:	41005
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.5	86.3
39	35.8	32.0	48.0





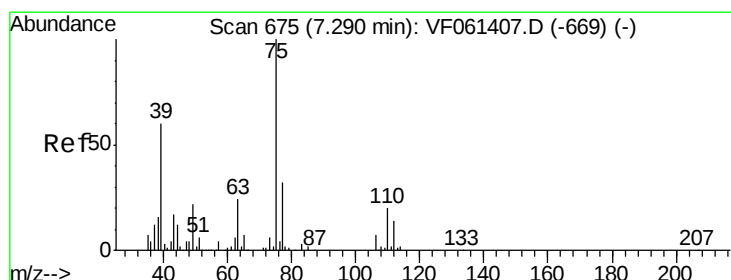
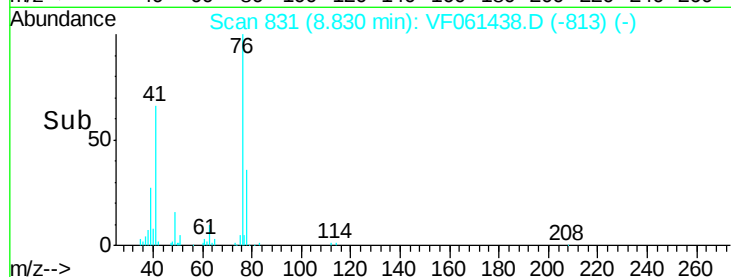
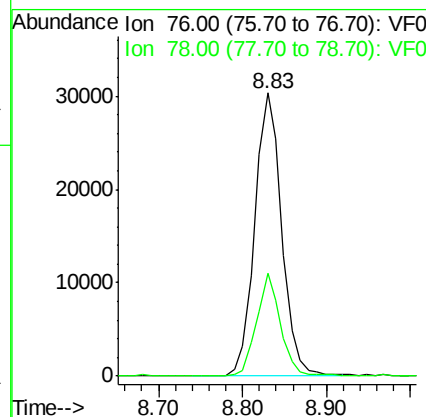
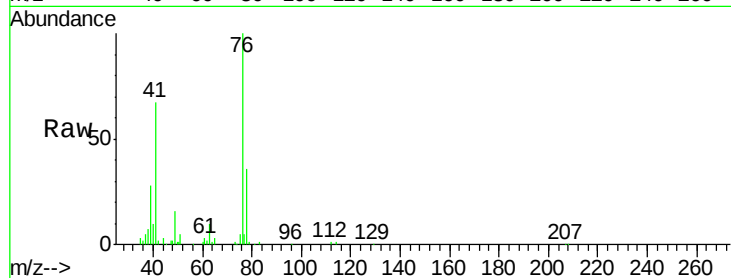
#57
 1,3-Dichloropropane
 Concen: 20.812 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.2	25.3	37.9

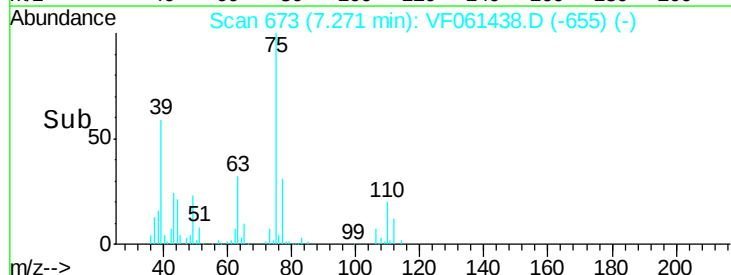
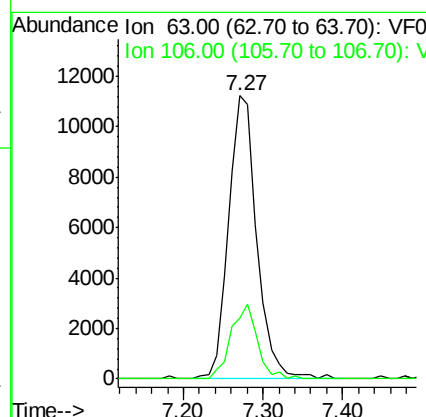
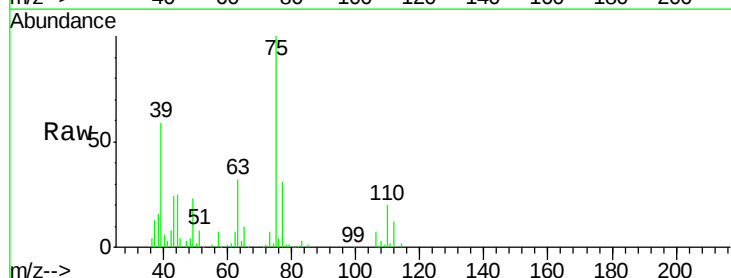
Manual Integrations
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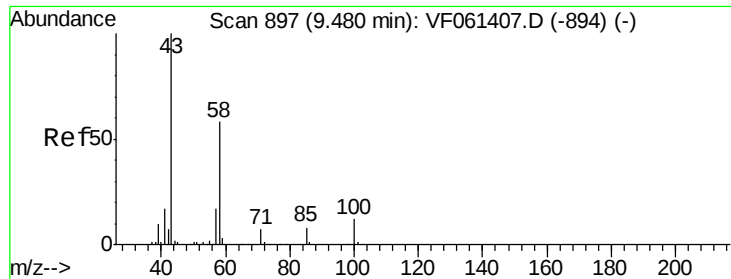
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 144.320 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.5	21.9	32.9#





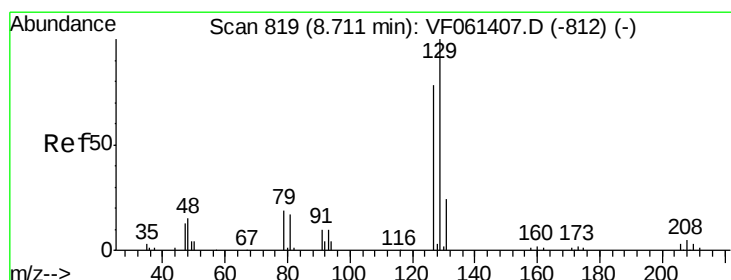
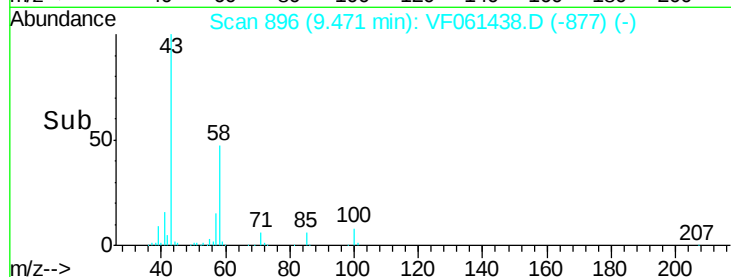
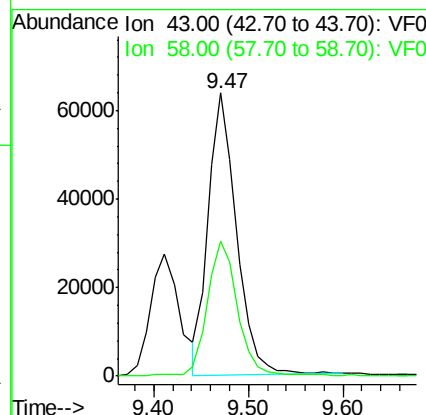
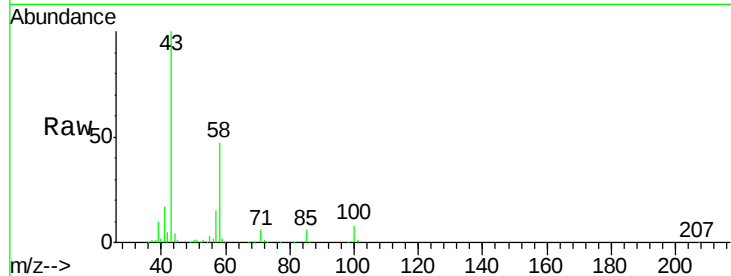
#59
2-Hexanone
Concen: 122.477 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	25.9	77.6

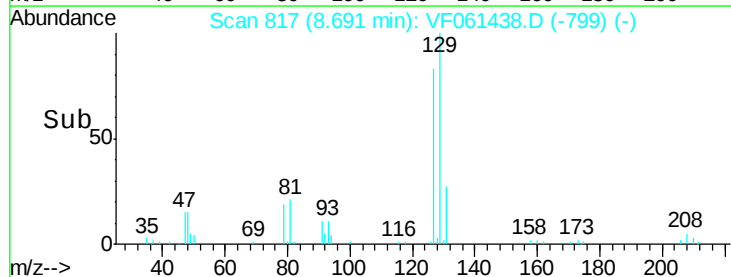
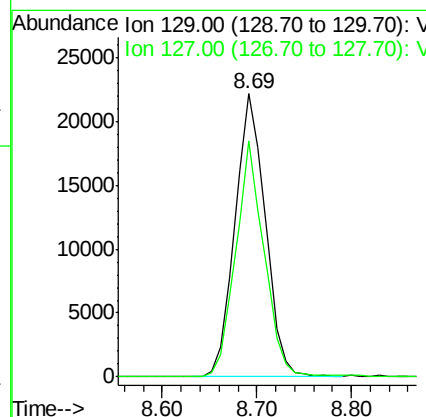
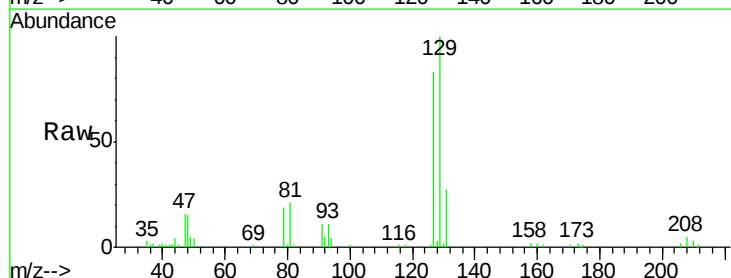
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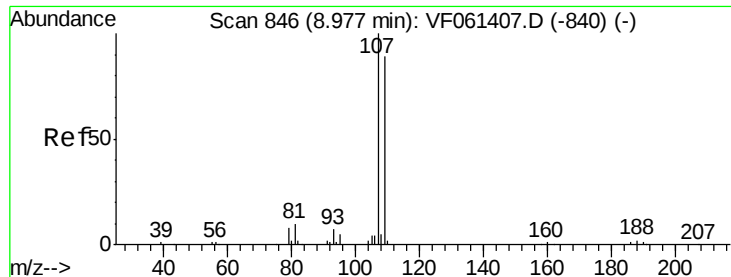
MMDadoda
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#60
Dibromochloromethane
Concen: 19.233 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	83.3	39.1	117.2





#61

1,2-Dibromoethane

Concen: 19.645 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion:107 Resp: 39378

Ion Ratio Lower Upper

107 100

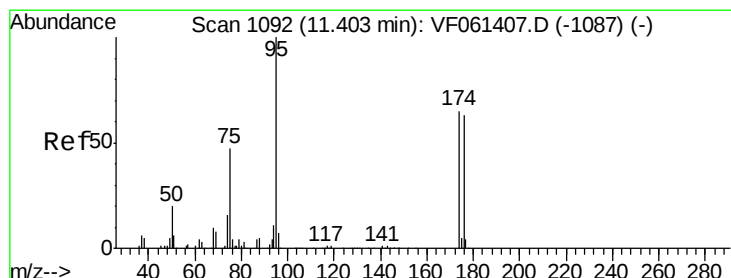
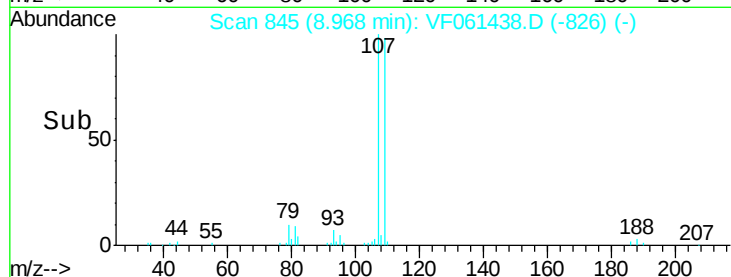
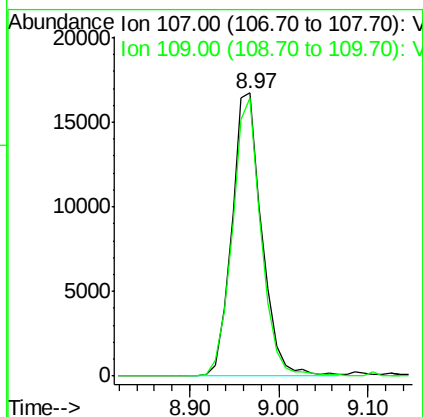
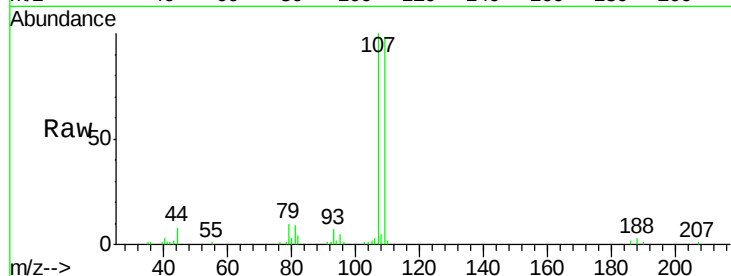
109 98.5 70.8 106.2

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#62

4-Bromofluorobenzene

Concen: 49.847 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

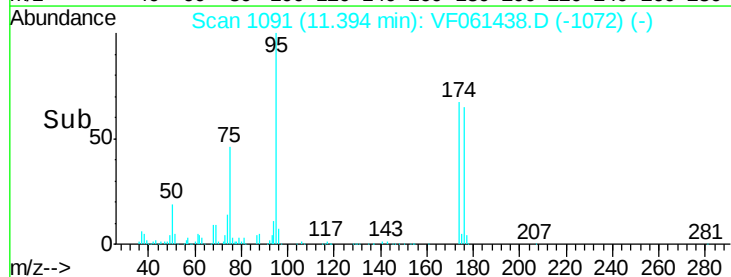
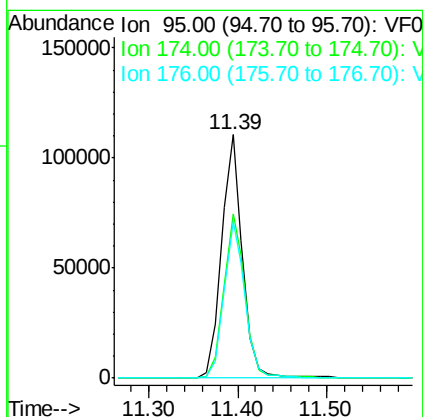
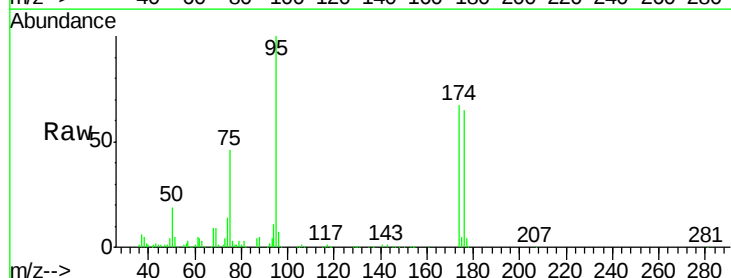
Tgt Ion: 95 Resp: 182734

Ion Ratio Lower Upper

95 100

174 67.3 0.0 130.4

176 64.5 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 924

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

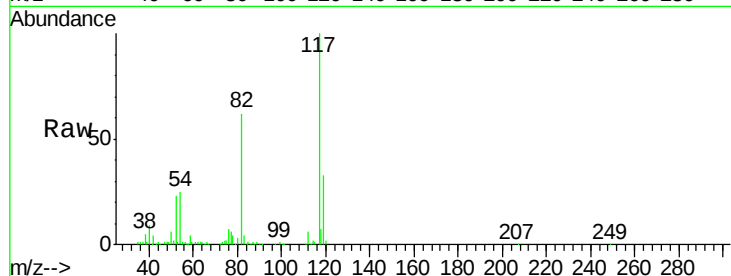
ClientSampleId :

VF0117SBS01

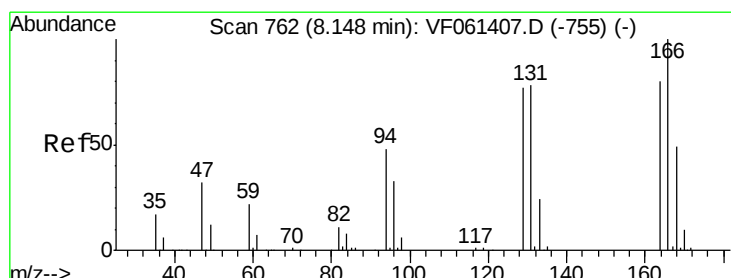
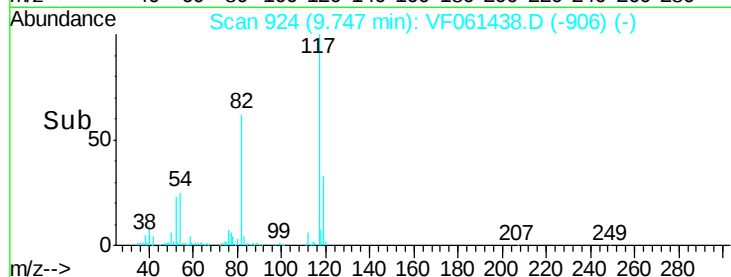
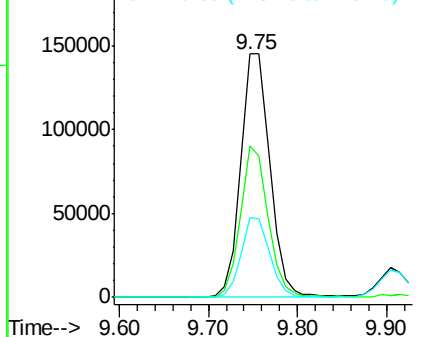
Tot Ion:	117	Resp:	331155
Ion Ratio	Lower	Upper	
117	100		
82	62.0	46.4	69.6
119	32.6	27.2	40.8

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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: 19.861 ug/l

RT: 8.13 min Scan# 760

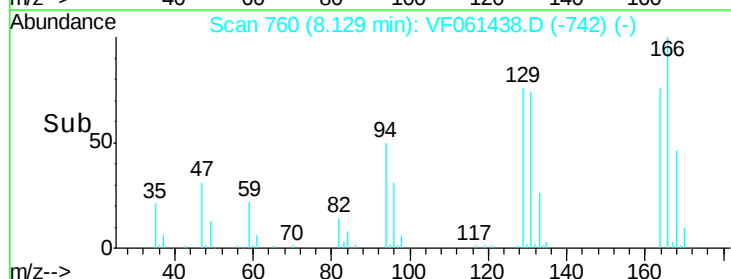
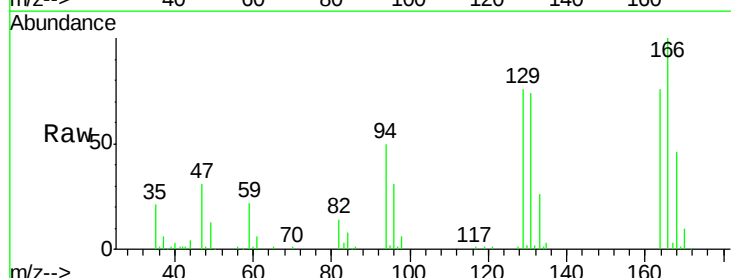
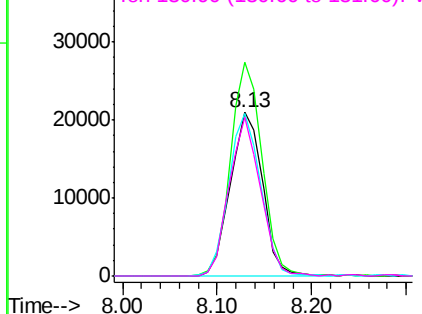
Delta R.T. -0.02 min

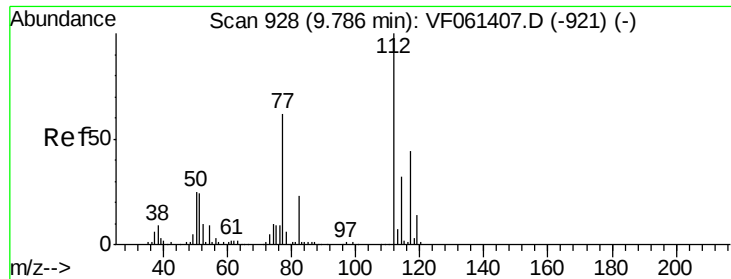
Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	164	Resp:	49461
Ion Ratio	Lower	Upper	
164	100		
166	130.7	99.6	149.4
129	99.7	76.4	114.6
131	97.4	77.9	116.9

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





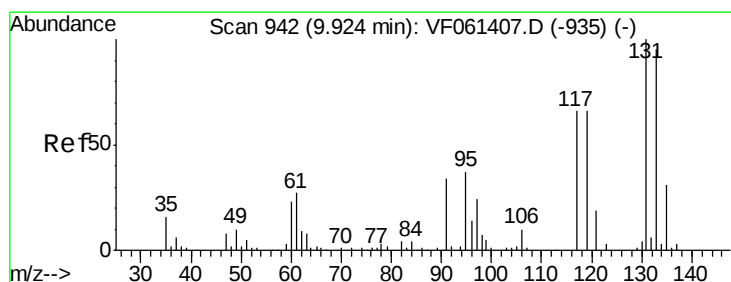
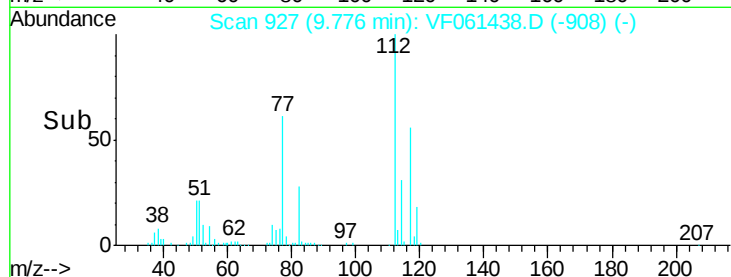
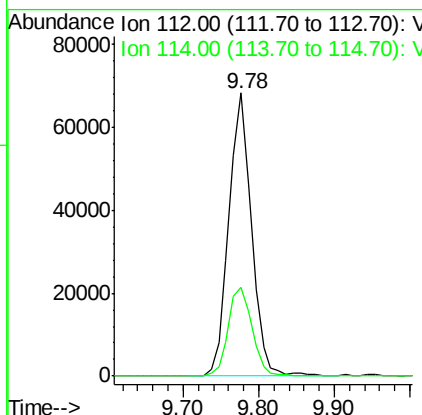
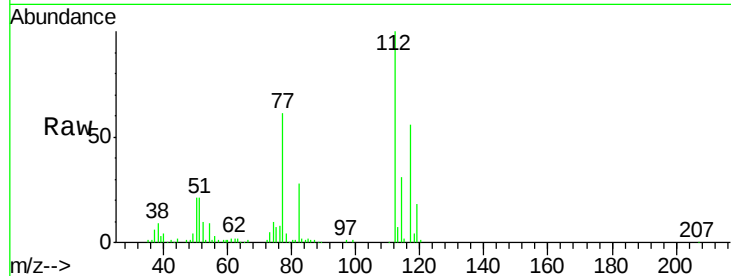
#65
Chlorobenzene
Concen: 21.089 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.0

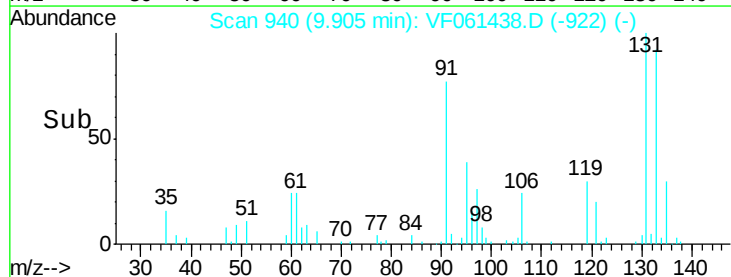
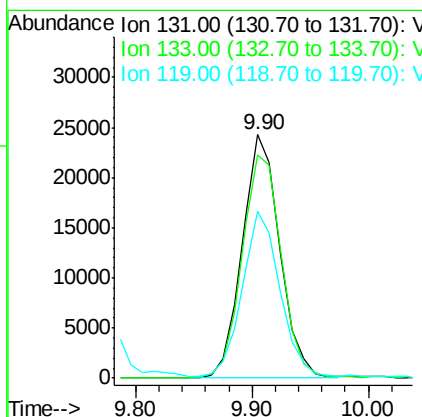
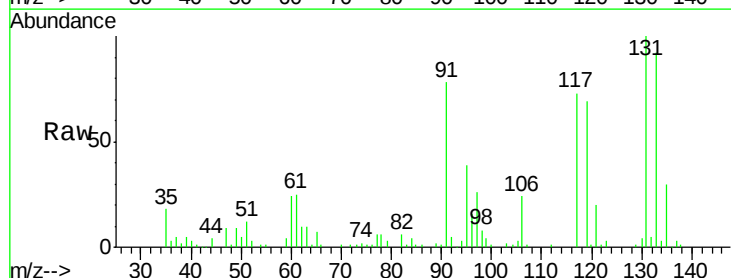
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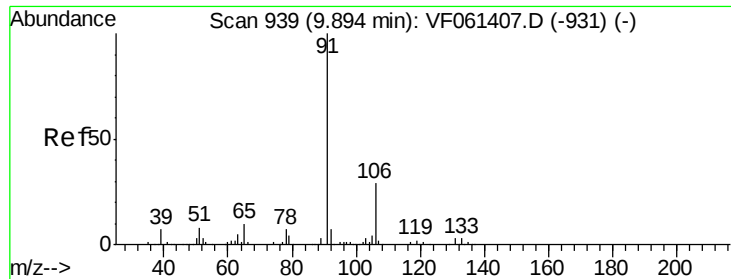
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.201 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.8	47.4	142.2
119	68.6	33.1	99.3





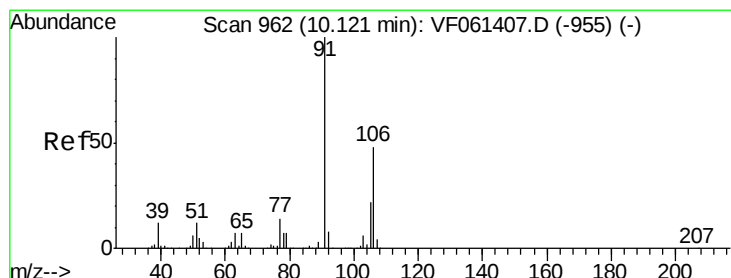
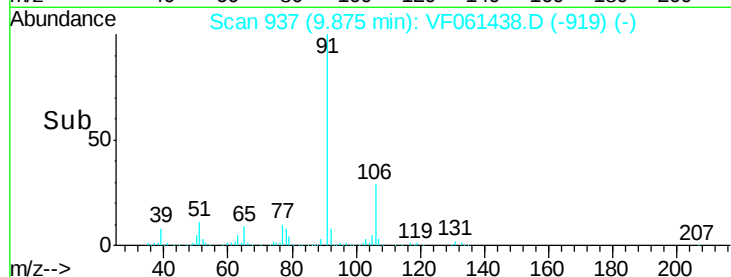
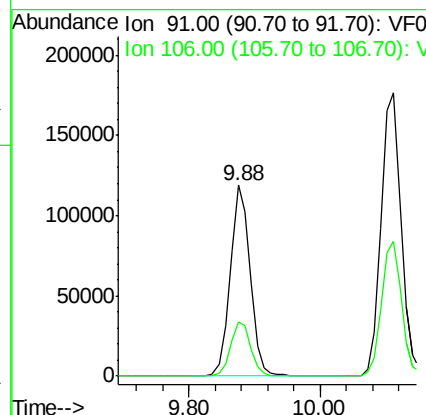
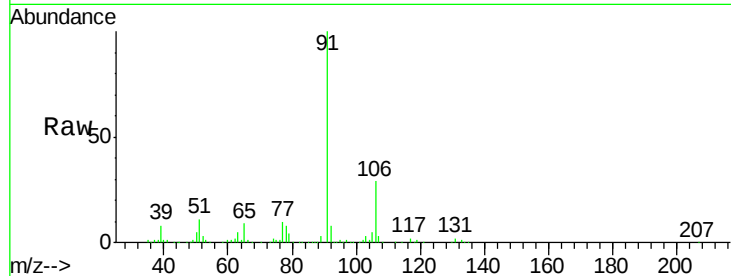
#67
Ethyl Benzene
Concen: 20.629 ug/l
RT: 9.88 min Scan# 937
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion: 91 Resp: 253813
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7

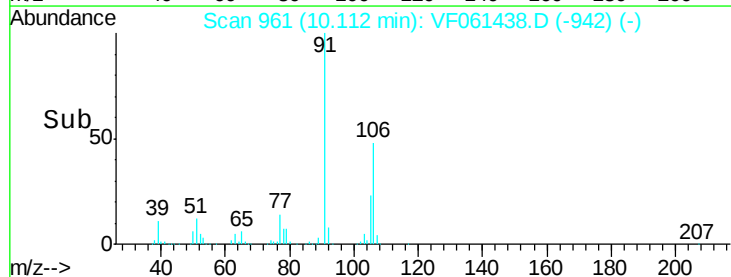
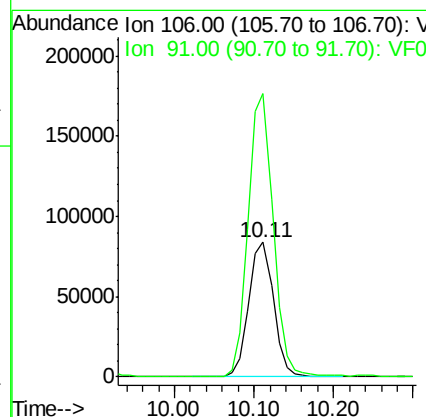
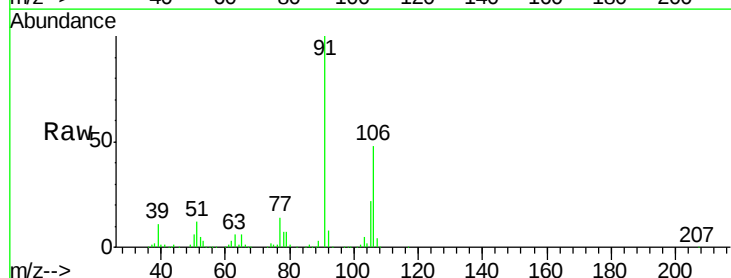
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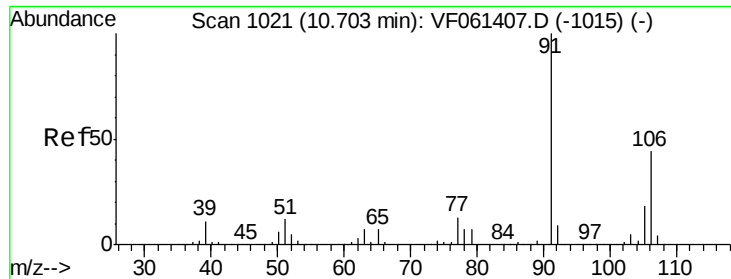
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#68
m/p-Xylenes
Concen: 40.869 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 106 Resp: 180856
Ion Ratio Lower Upper
106 100
91 210.3 166.2 249.4





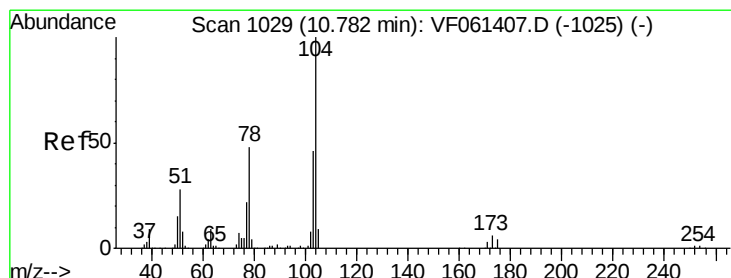
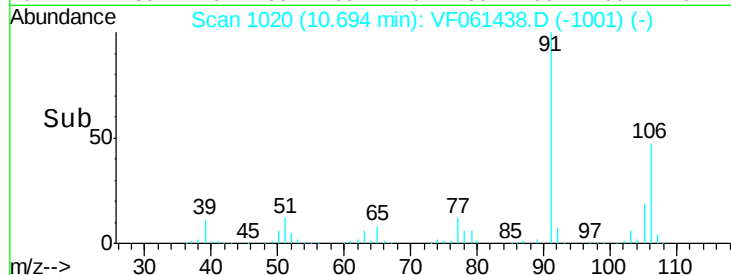
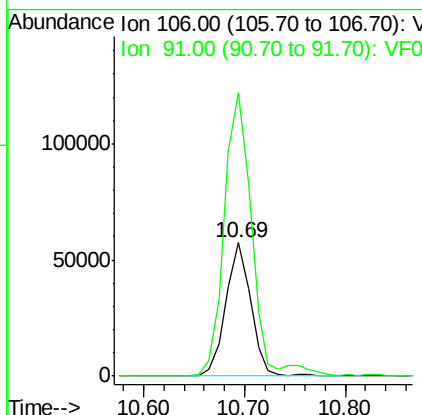
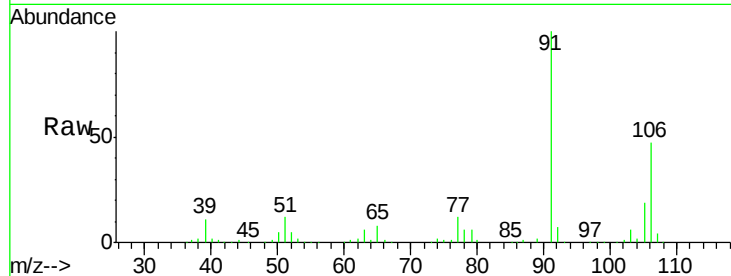
#69
o-Xylene
Concen: 20.813 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion:106 Resp: 99825
Ion Ratio Lower Upper
106 100
91 212.0 113.3 339.8

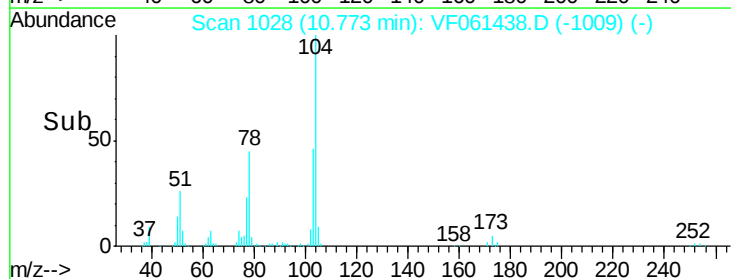
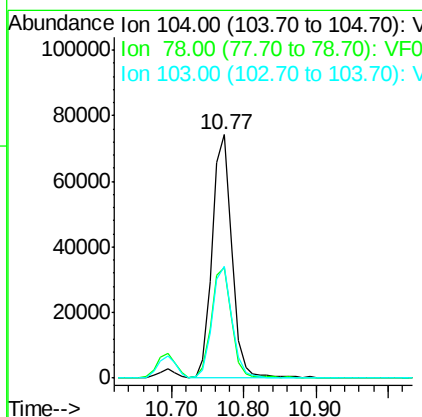
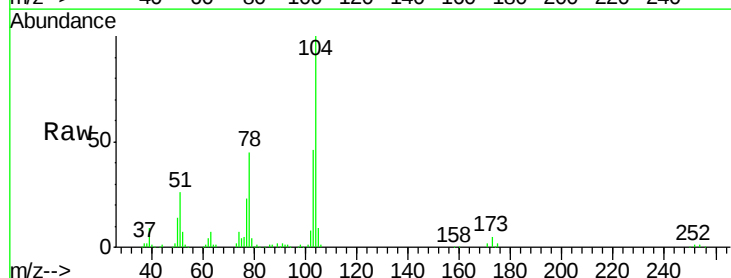
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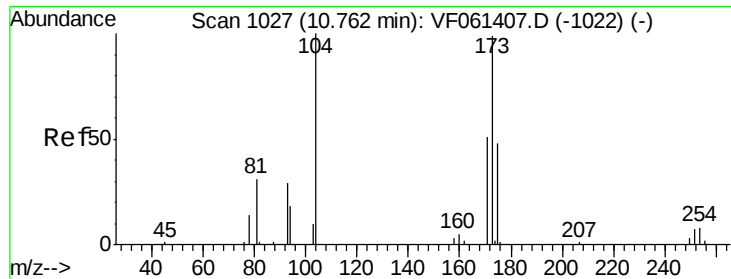
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#70
Styrene
Concen: 21.122 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:104 Resp: 138672
Ion Ratio Lower Upper
104 100
78 45.5 38.8 58.2
103 45.8 37.0 55.6





#71

Bromoform

Concen: 20.576 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion:173 Resp: 24801

Ion Ratio Lower Upper

173 100

175 50.6 24.1 72.4

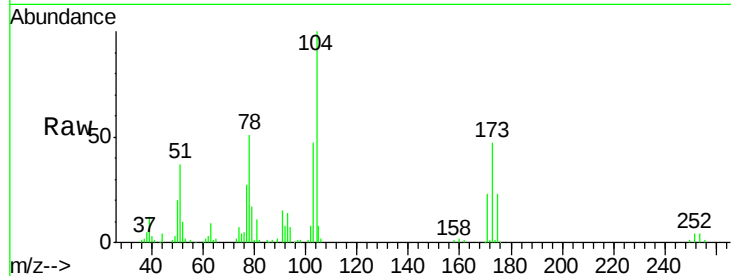
254 8.0 0.0 0.0#

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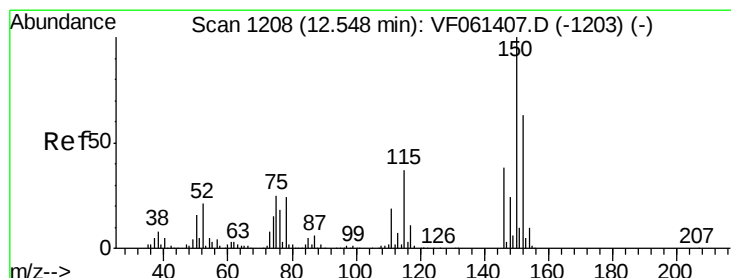
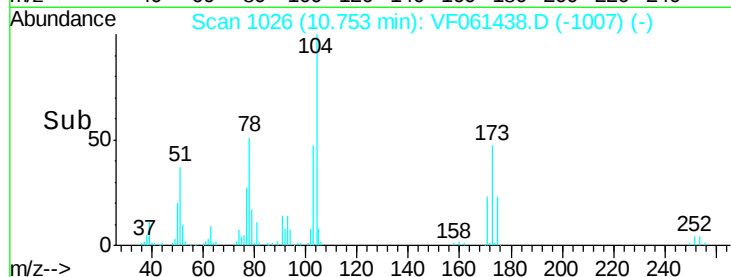
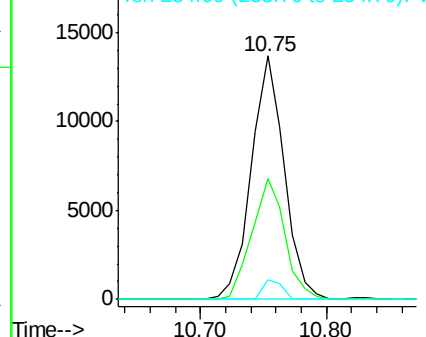
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

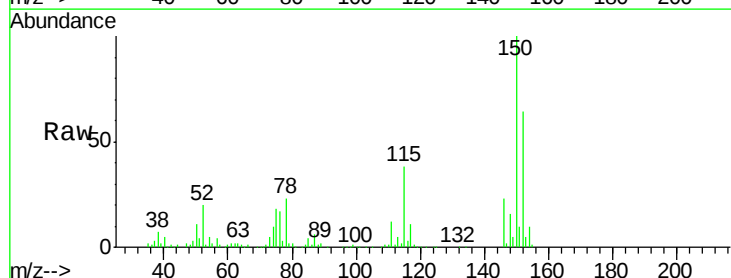
Tgt Ion:152 Resp: 161651

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

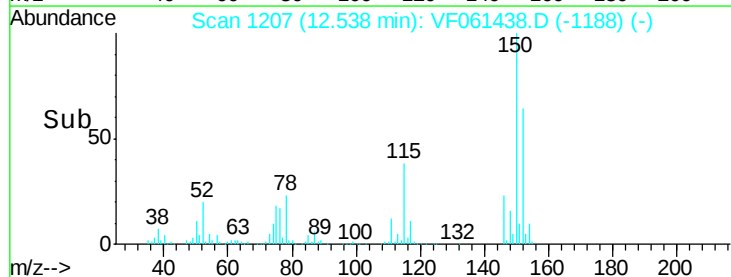
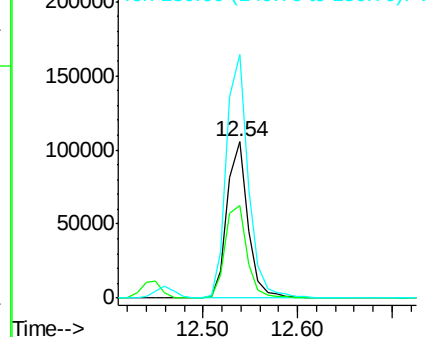
150 155.9 0.0 321.4

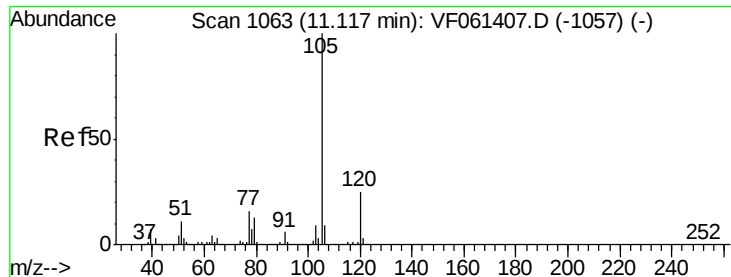


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.011 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 105 Resp: 302539

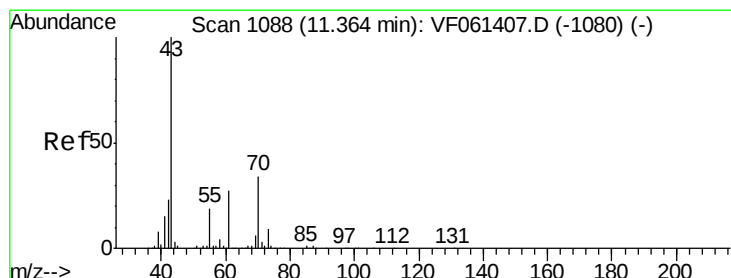
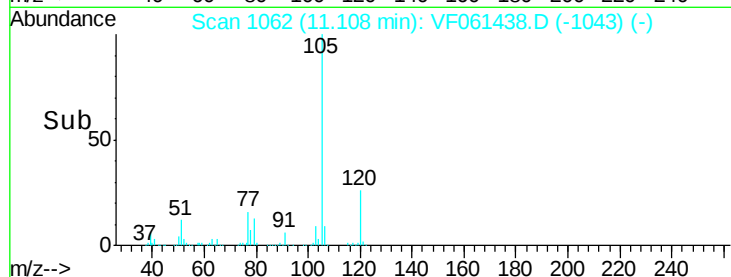
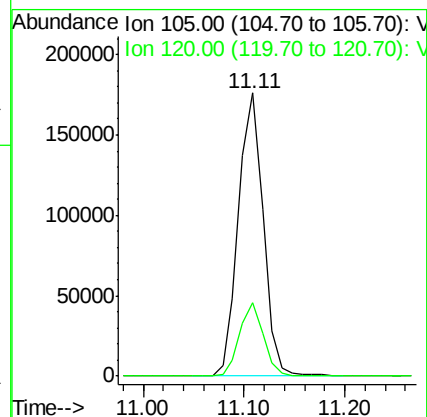
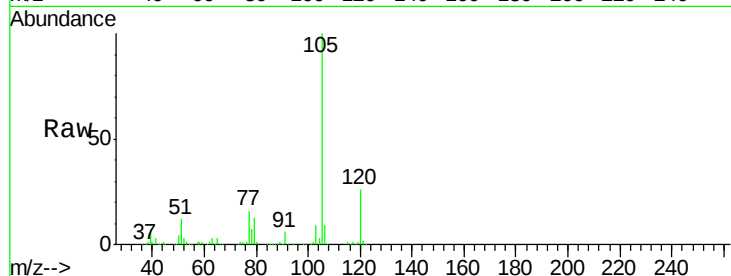
Ion Ratio Lower Upper

105 100

120 26.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 24.757 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion: 43 Resp: 76967

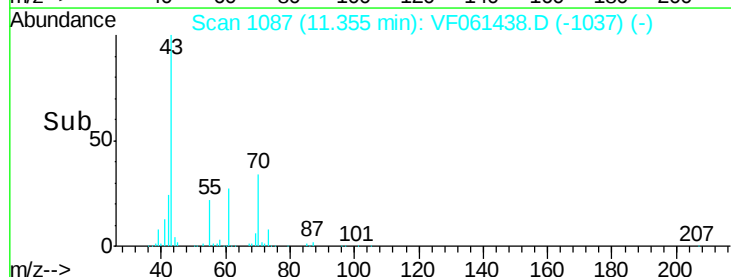
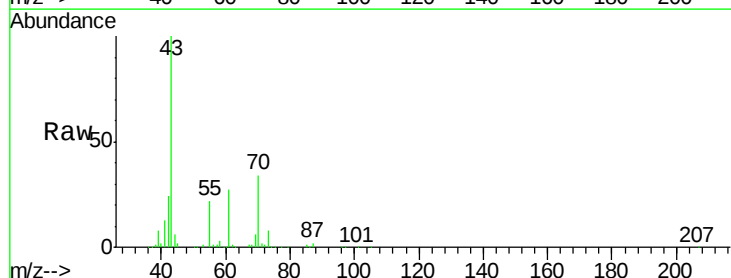
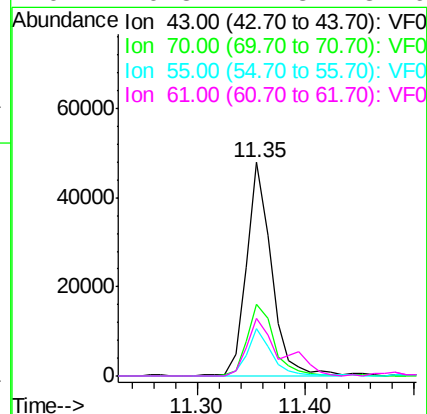
Ion Ratio Lower Upper

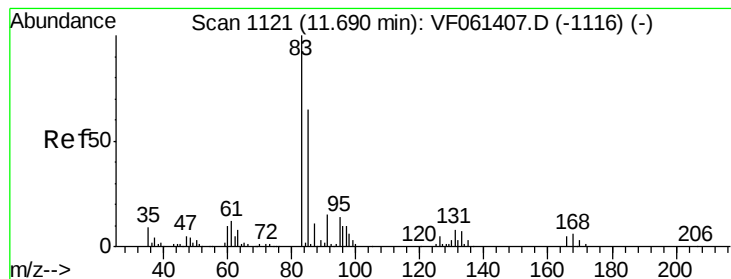
43 100

70 33.8 27.6 41.4

55 21.9 15.4 23.2

61 26.8 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.594 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

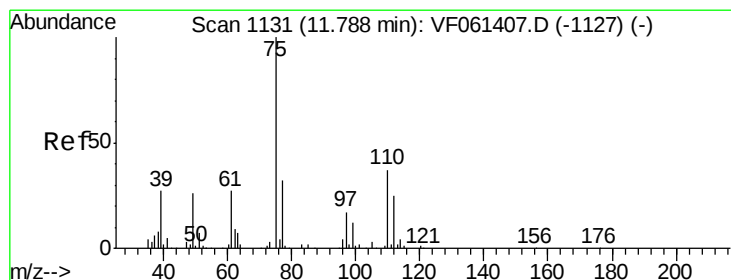
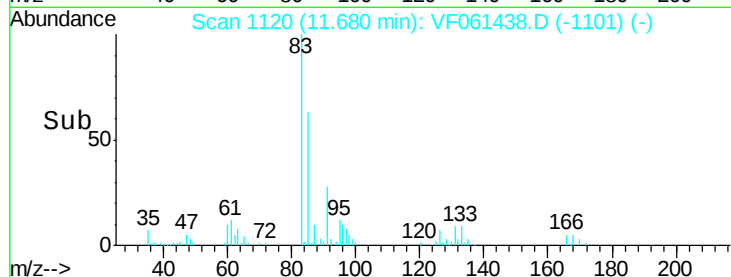
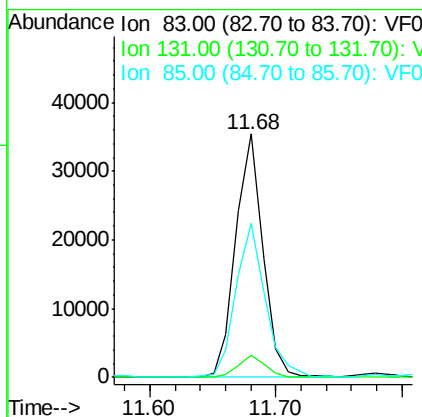
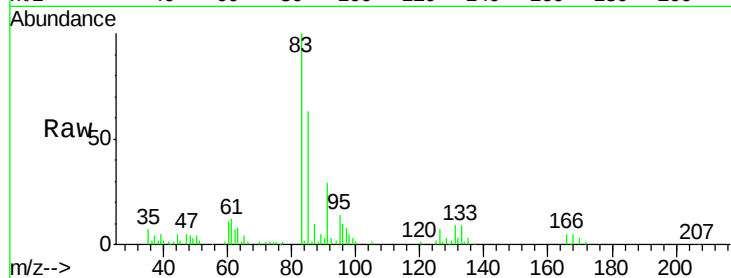
ClientSampleId :

VF0117SBS01

Tot Ion:	83	Resp:	52919
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.0	12.2
85	63.3	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 21.973 ug/l

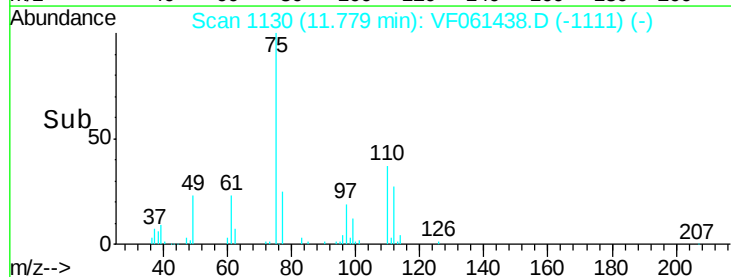
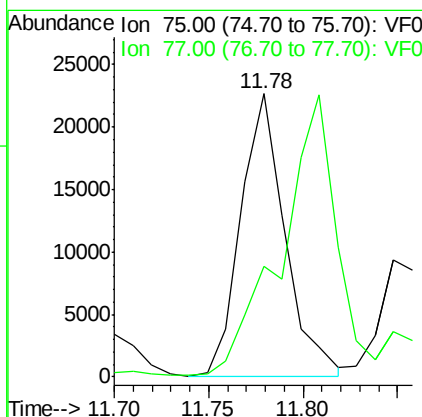
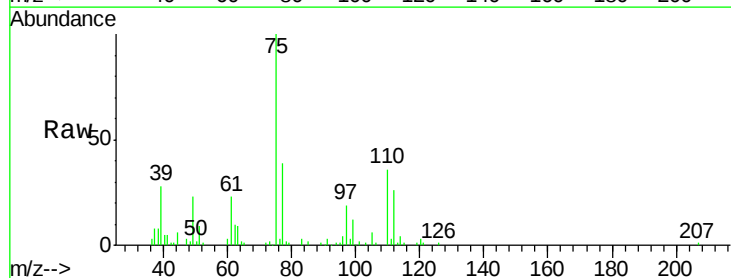
RT: 11.78 min Scan# 1130

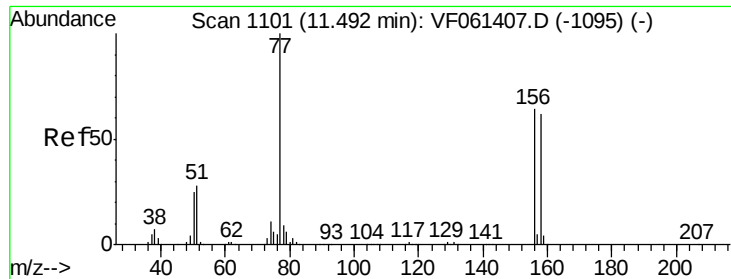
Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	75	Resp:	36979
Ion Ratio	Lower	Upper	
75	100		
77	38.9	16.1	48.3





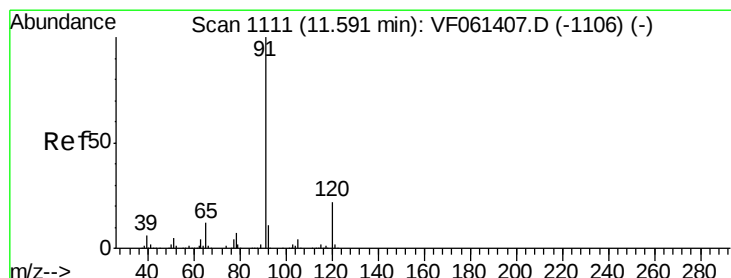
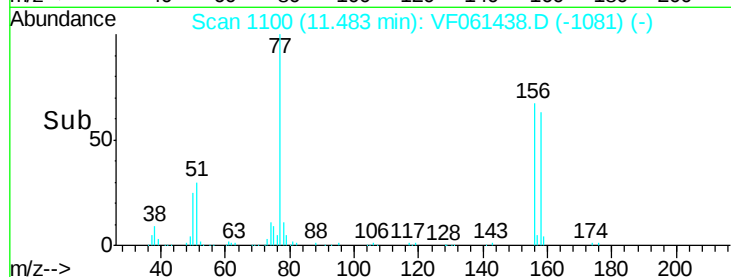
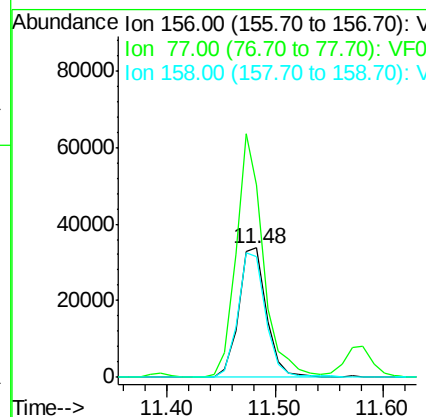
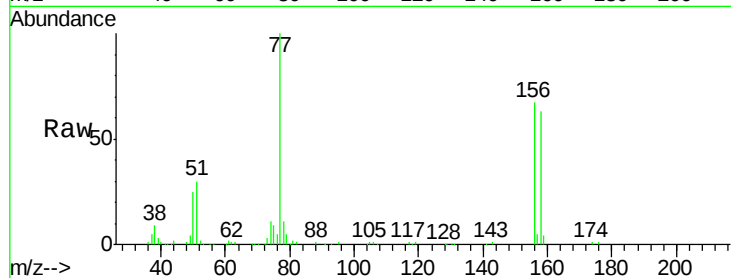
#77
Bromobenzene
Concen: 21.695 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	149.0	78.3	234.9	
158	93.4	48.9	146.7	

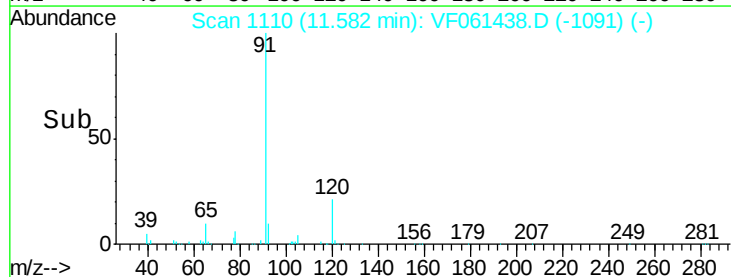
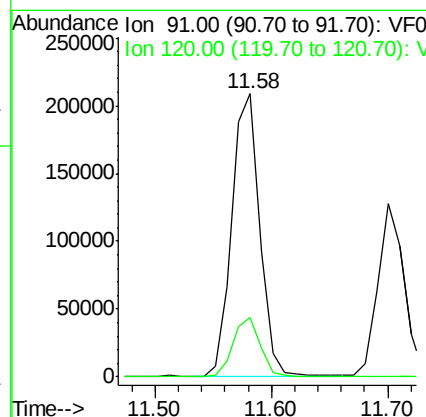
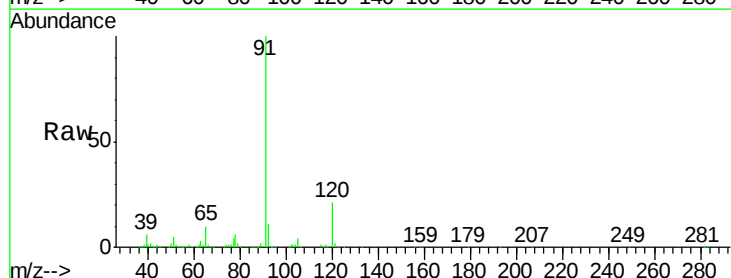
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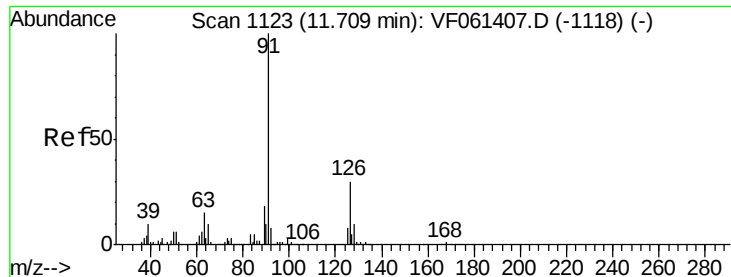
MMDadoda
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#78
n-propylbenzene
Concen: 20.311 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.0	10.9	32.6	





#79

2-Chlorotoluene

Concen: 21.655 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 91 Resp: 197542

Ion Ratio Lower Upper

91 100

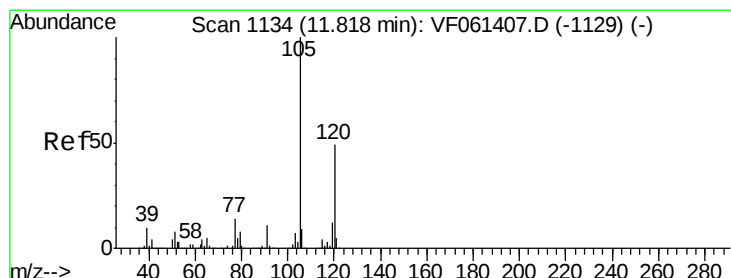
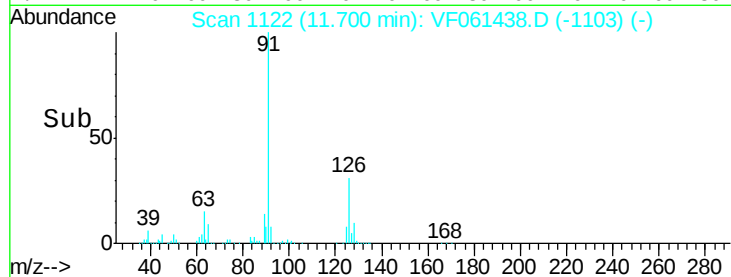
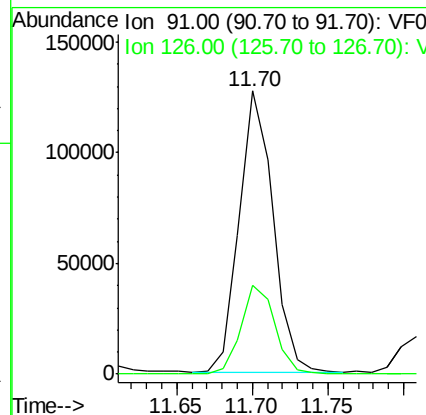
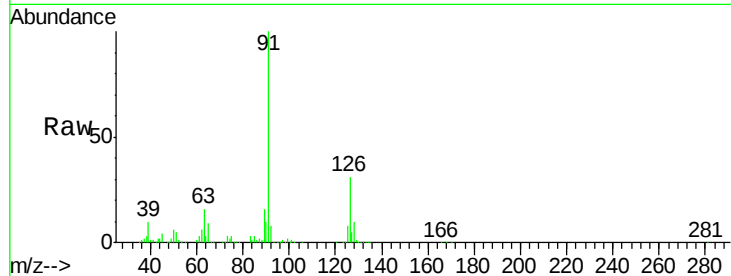
126 31.2 15.0 45.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.749 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF061438.D

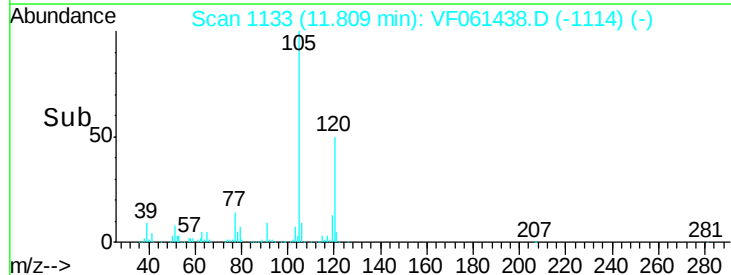
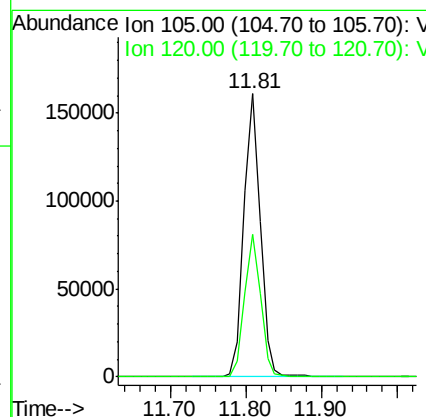
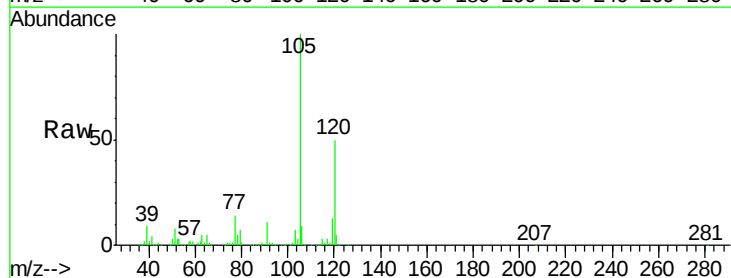
Acq: 17 Jan 2019 12:05

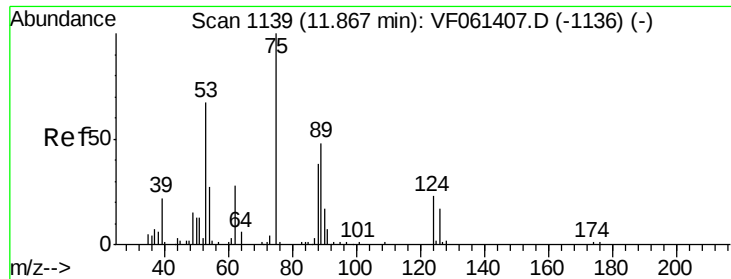
Tgt Ion: 105 Resp: 241368

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





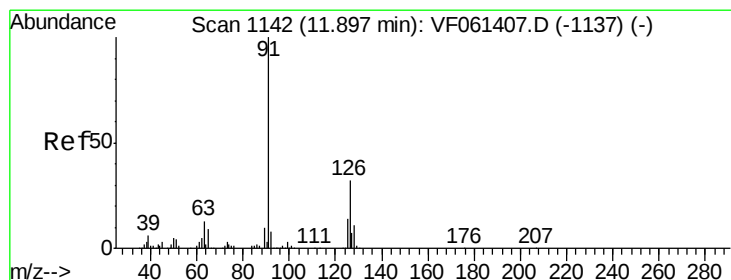
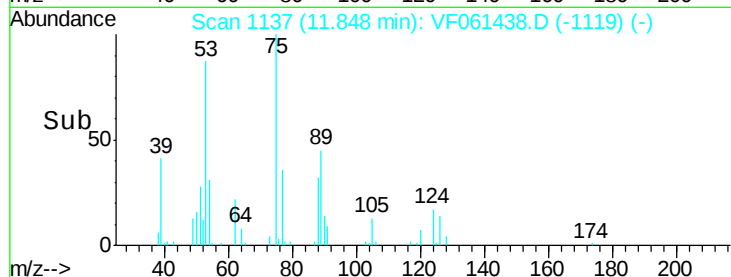
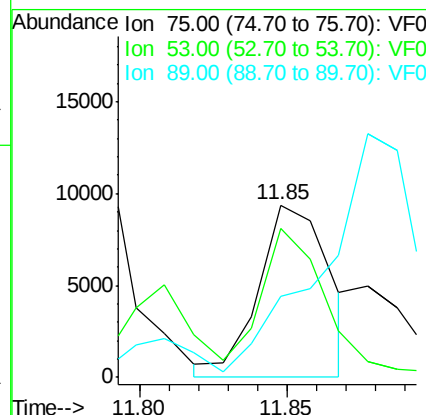
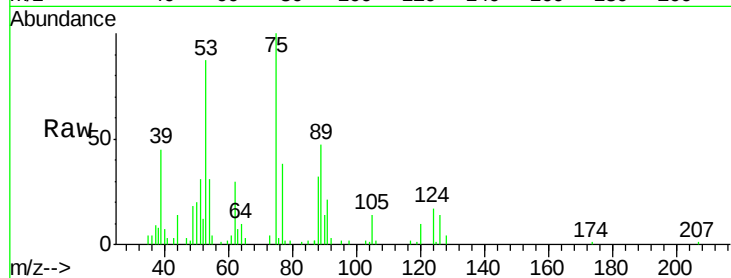
#81
trans-1,4-Dichloro-2-butene
Concen: 21.546 ug/l m
RT: 11.85 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion: 75 Resp: 15763
Ion Ratio Lower Upper
75 100
53 86.7 57.8 86.6#
89 46.8 40.7 61.1

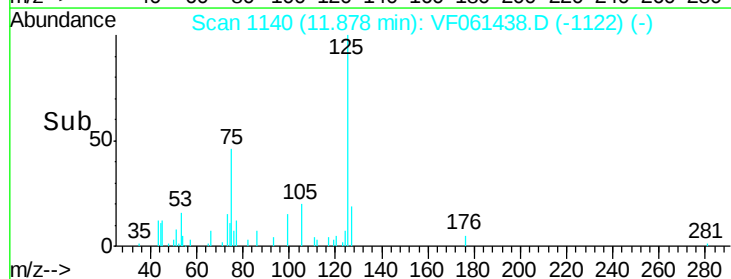
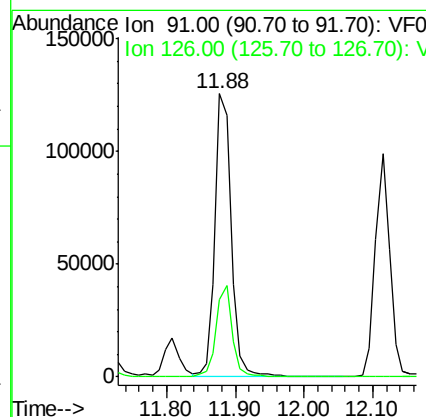
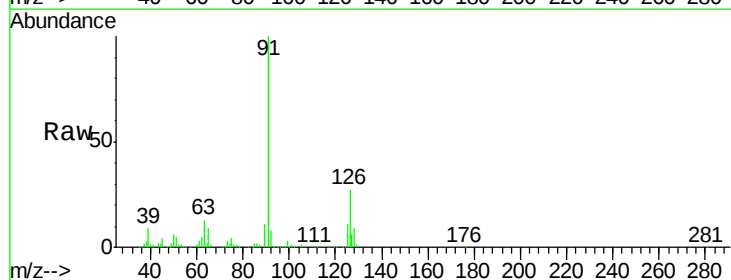
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#82
4-Chlorotoluene
Concen: 22.316 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 91 Resp: 205422
Ion Ratio Lower Upper
91 100
126 27.3 16.0 47.9





#83

tert-Butylbenzene

Concen: 21.718 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

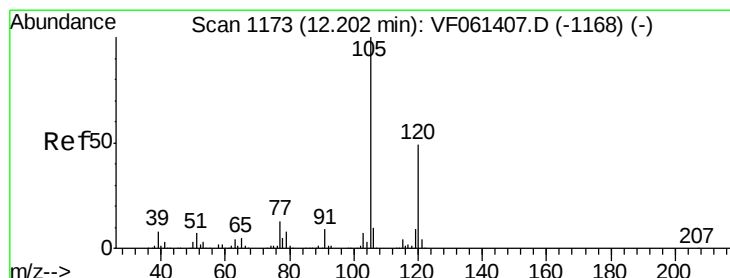
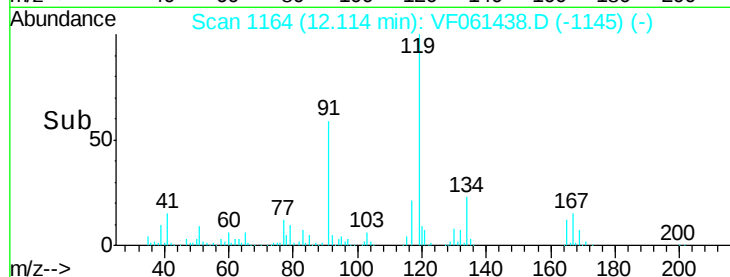
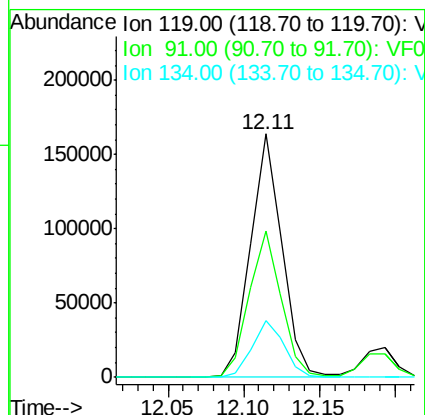
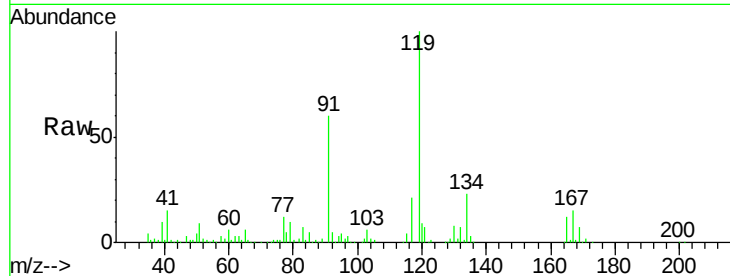
ClientSampleId :

VF0117SBS01

Tot Ion:	119	Resp:	238502
Ion Ratio	Lower	Upper	
119	100		
91	60.3	31.3	93.8
134	23.2	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 22.398 ug/l

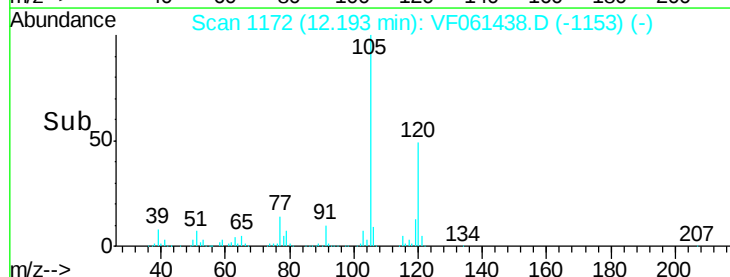
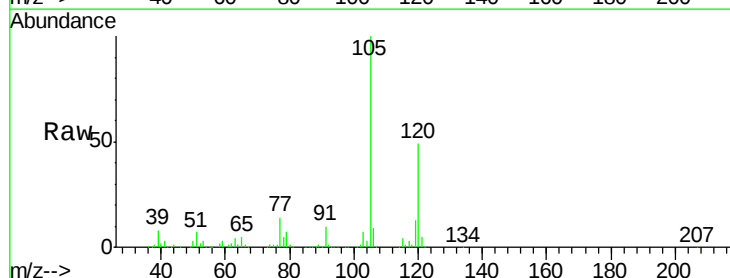
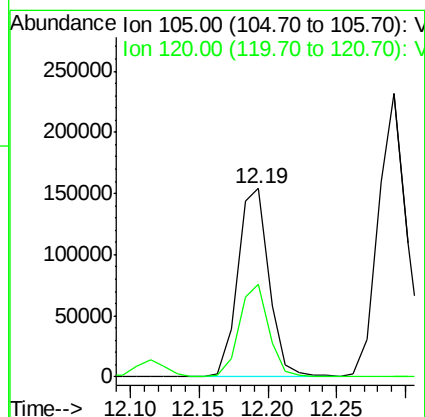
RT: 12.19 min Scan# 1172

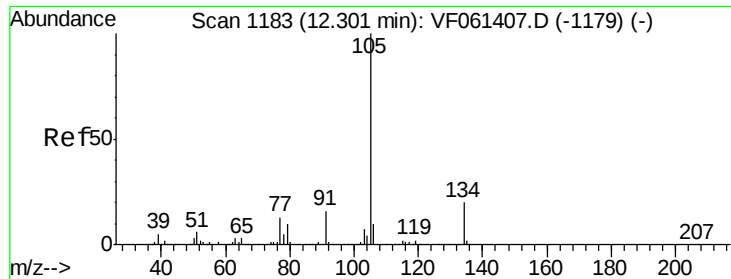
Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion:	105	Resp:	244792
Ion Ratio	Lower	Upper	
105	100		
120	49.0	24.9	74.6





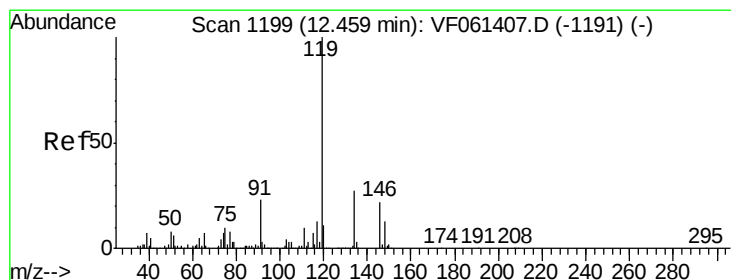
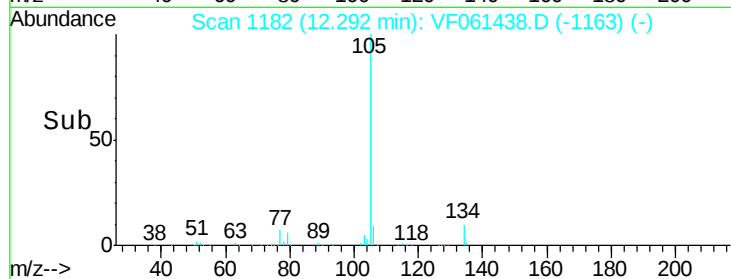
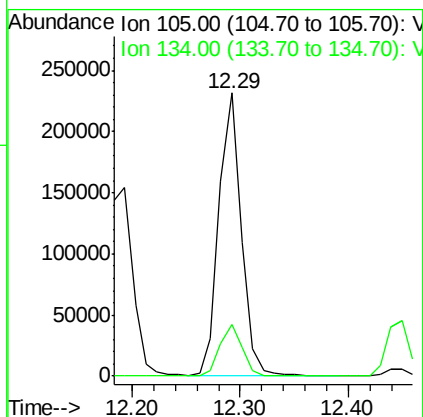
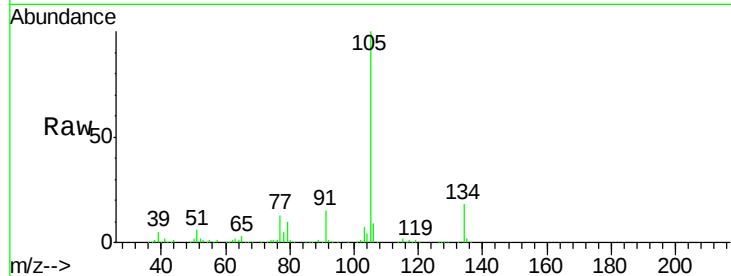
#85
 sec-Butylbenzene
 Concen: 22.354 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampled :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	10.0	30.0

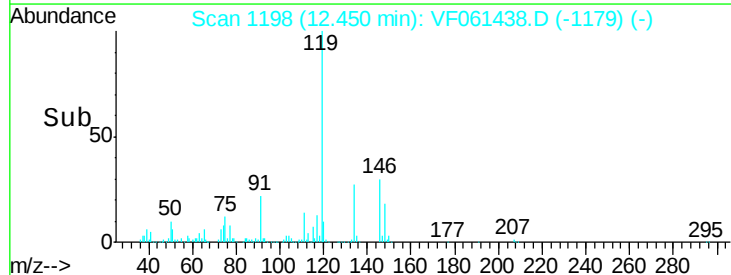
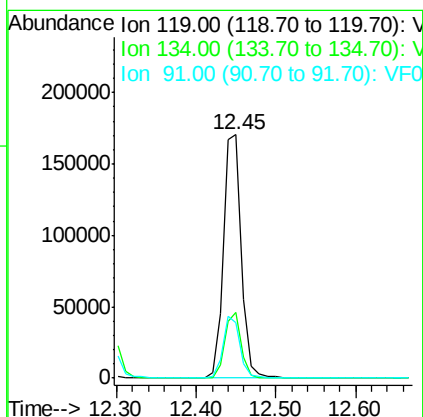
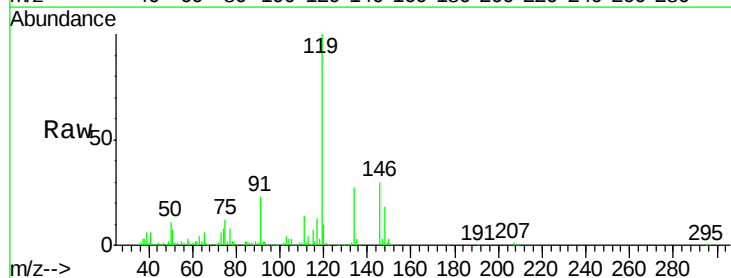
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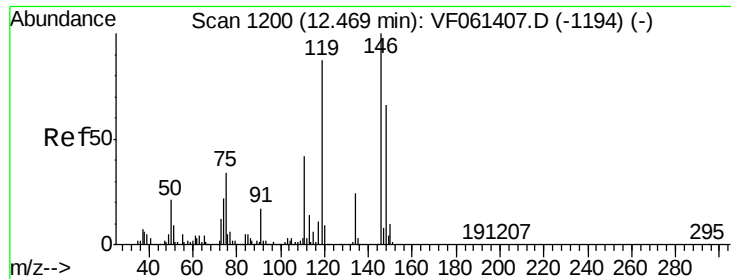
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#86
 p-Isopropyltoluene
 Concen: 22.149 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.8	11.4	34.2





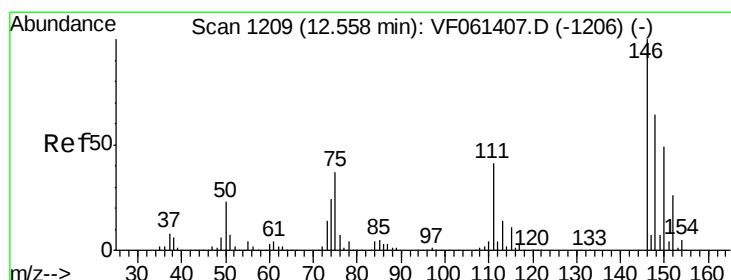
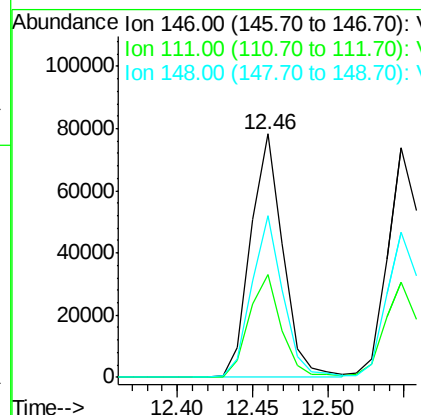
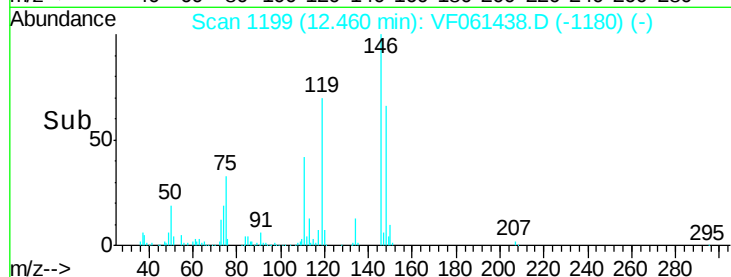
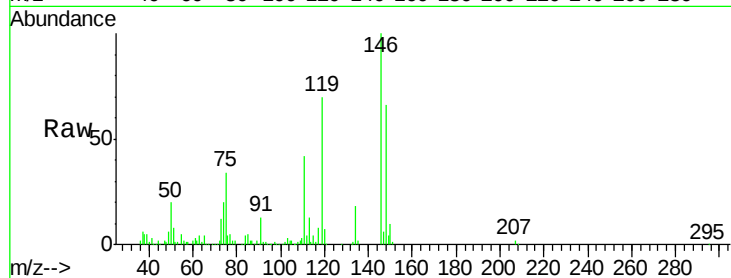
#87
 1,3-Dichlorobenzene
 Concen: 19.978 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	66.3	32.9	98.6

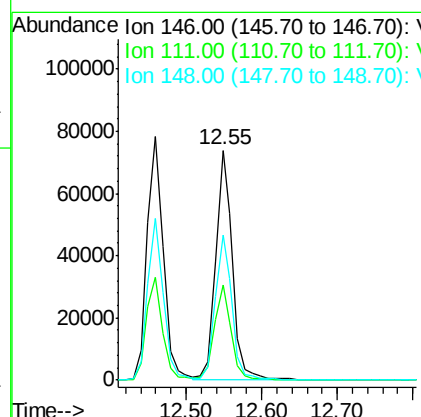
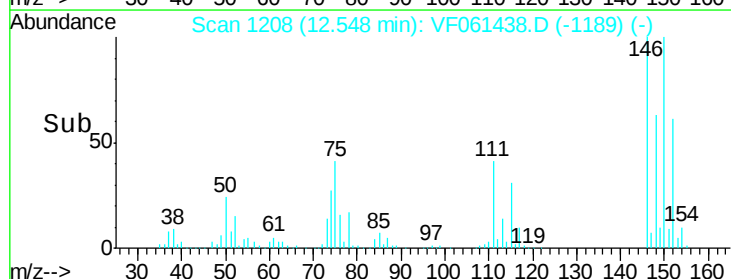
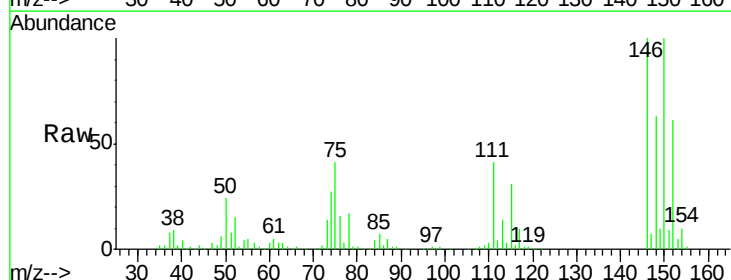
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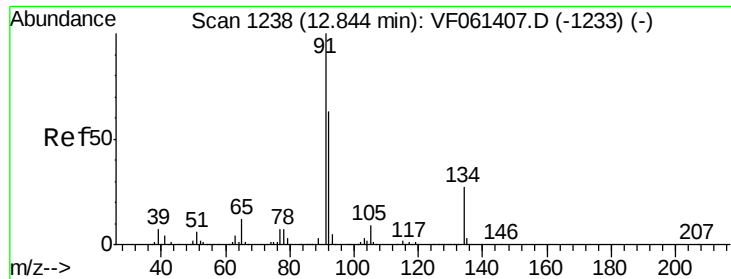
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#88
 1,4-Dichlorobenzene
 Concen: 22.121 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	63.1	32.1	96.5





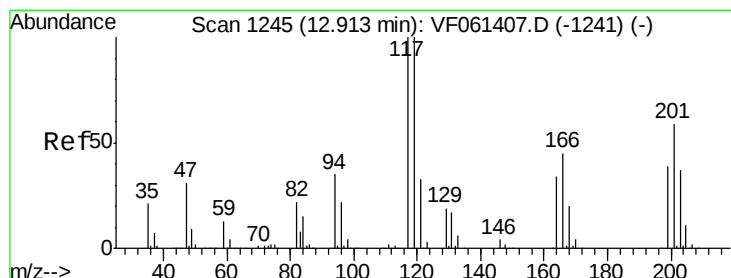
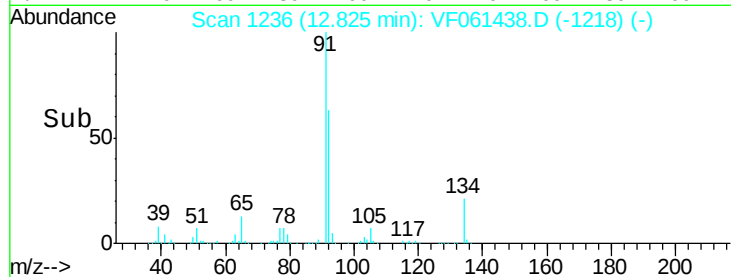
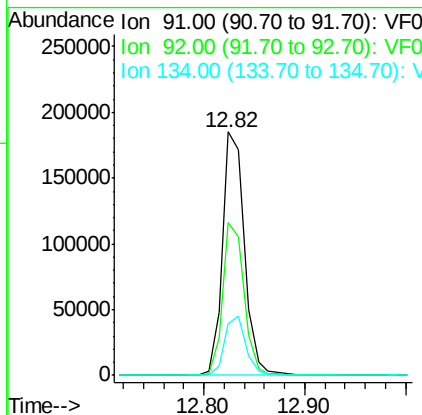
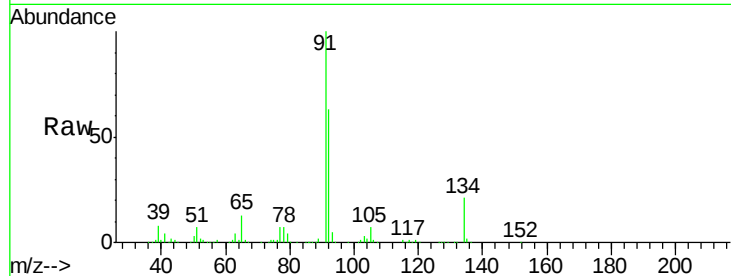
#89
n-Butylbenzene
Concen: 22.310 ug/l
RT: 12.82 min Scan# 1236
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	31.6	94.7
134	21.3	13.6	40.8

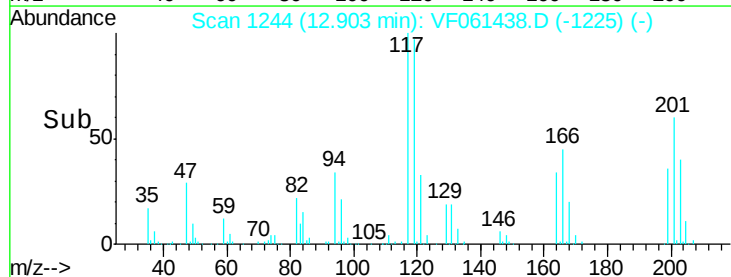
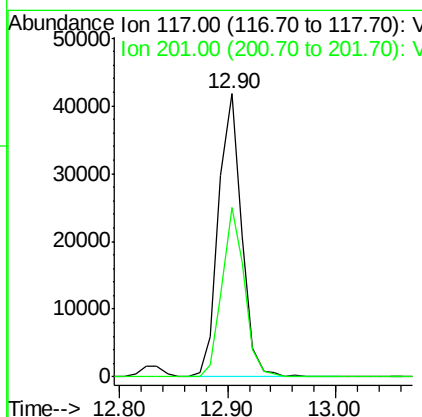
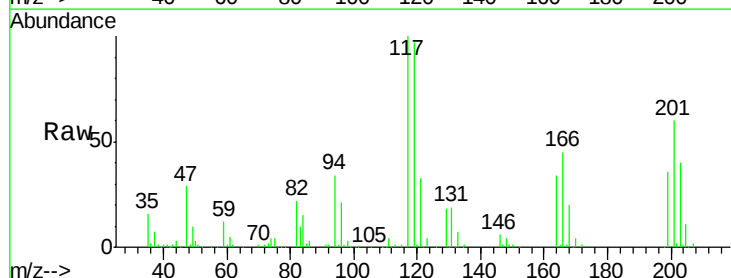
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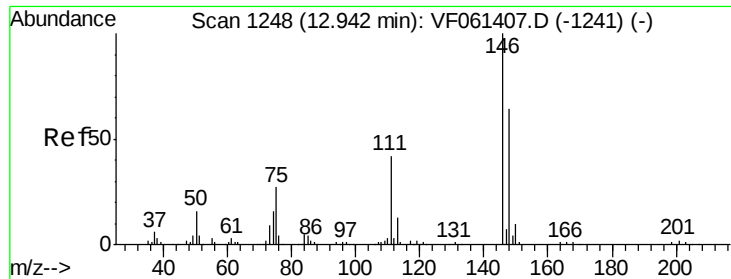
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#90
Hexachloroethane
Concen: 21.571 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.0	29.3	87.8





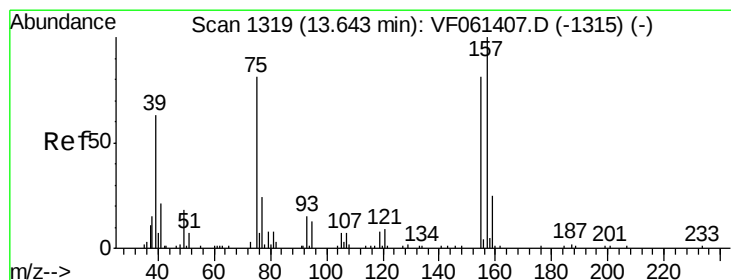
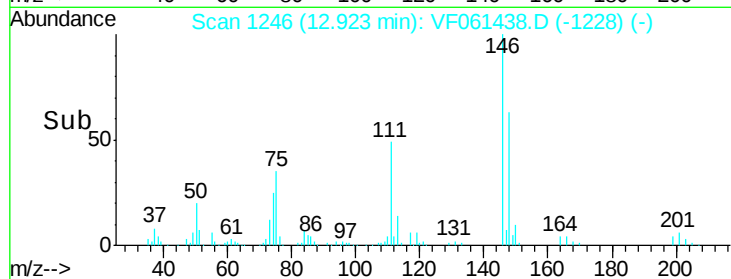
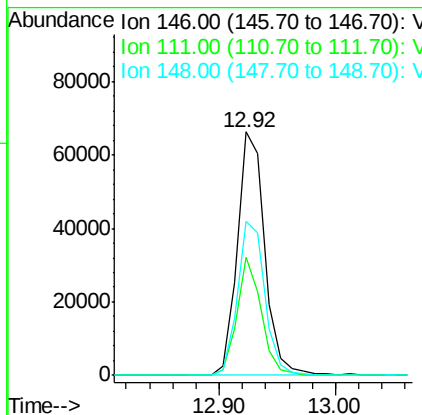
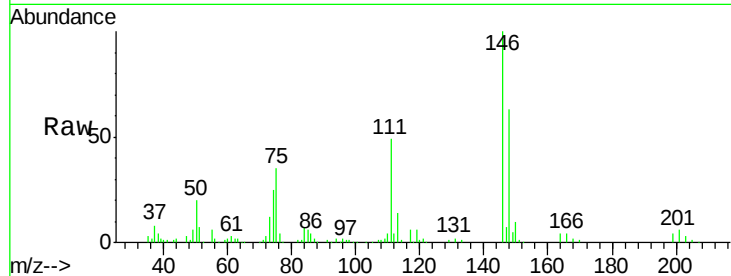
#91
 1,2-Dichlorobenzene
 Concen: 20.751 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	21.1	63.3
148	63.2	31.9	95.7

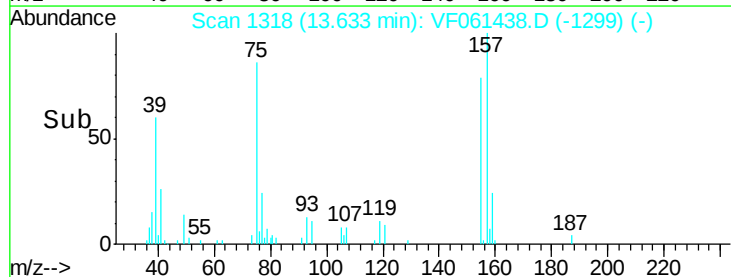
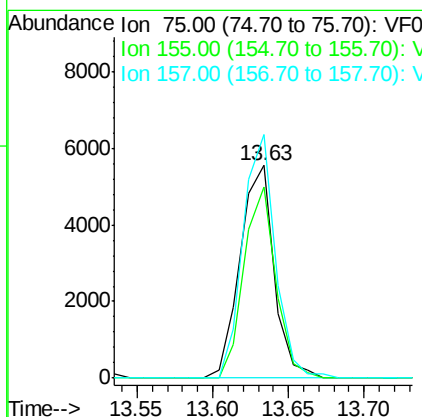
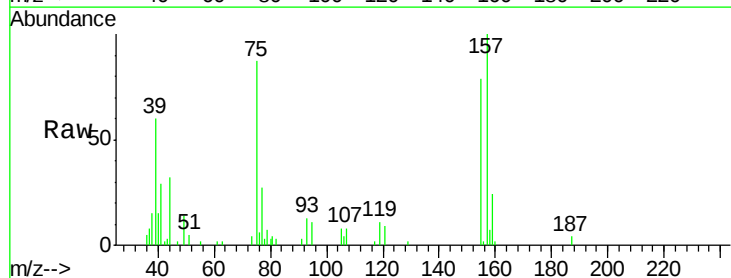
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.911 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	49.7	149.1
157	114.5	61.4	184.1





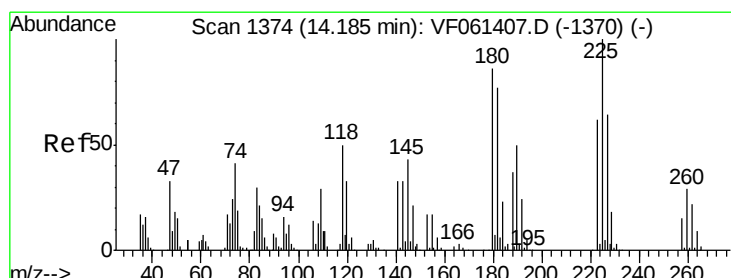
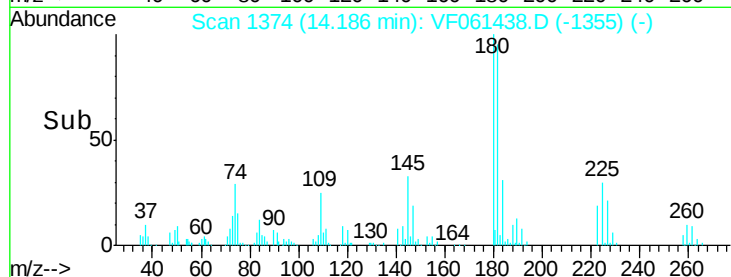
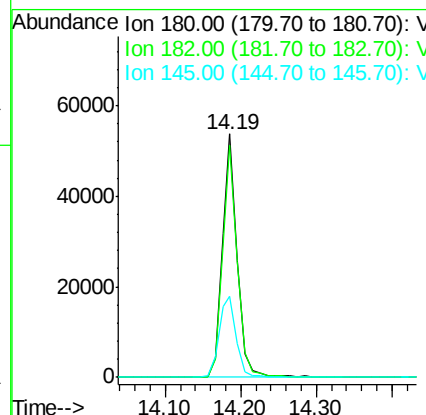
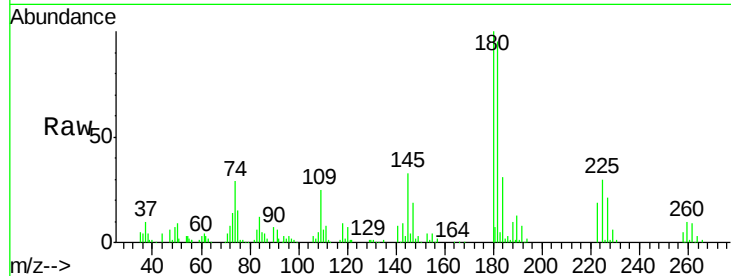
#93
 1,2,4-Trichlorobenzene
 Concen: 20.494 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.6
145	33.2	17.5	52.6

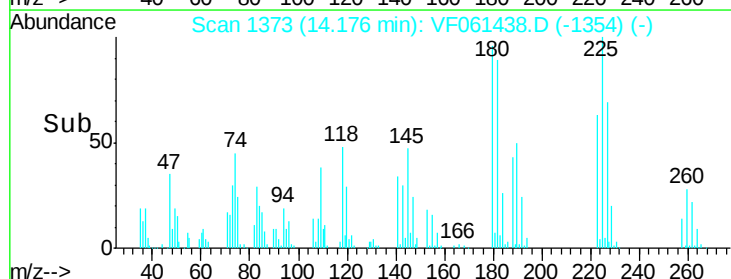
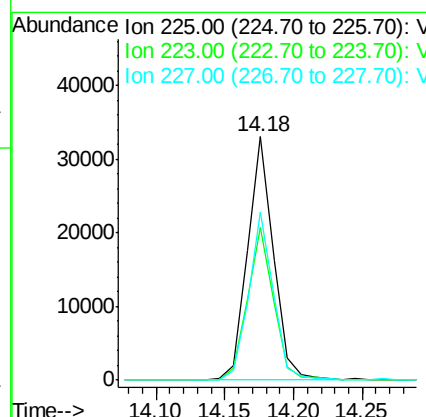
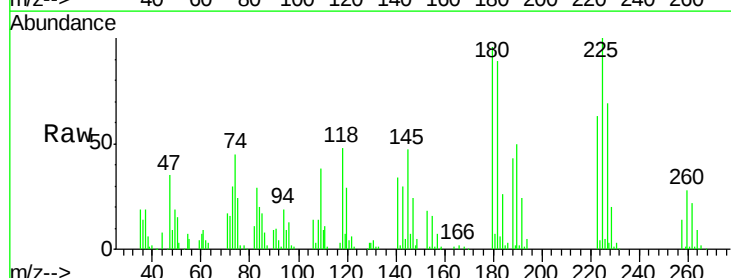
Manual Integrations
 APPROVED

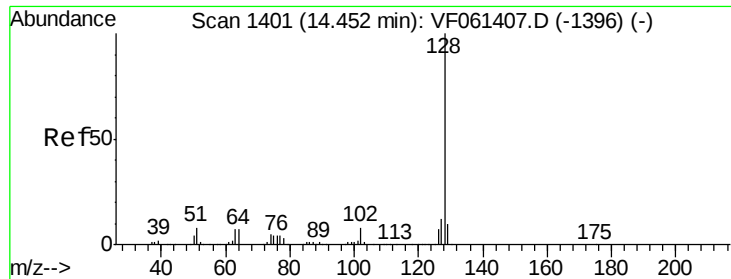
MMDadoda
 1/18/2019 3:41:57 PM



#94
 Hexachlorobutadiene
 Concen: 19.285 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	69.1	32.2	96.6





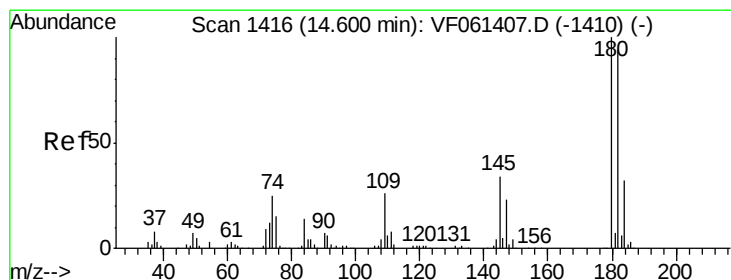
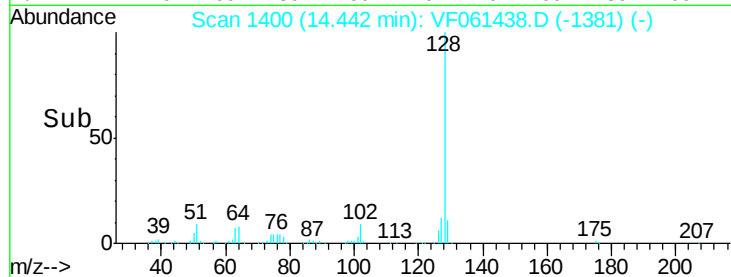
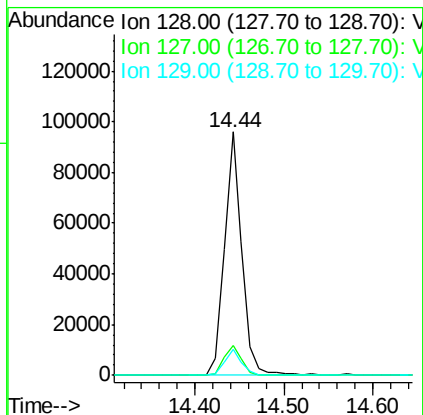
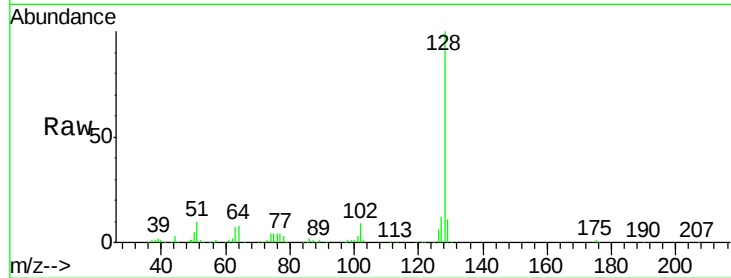
#95
Naphthalene
Concen: 19.208 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.5	14.3
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/18/2019 3:41:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.042 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.2
145	34.7	17.1	51.2

