

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061249.D
 Acq On : 2 Jan 2019 12:45
 Operator : VA/AP
 Sample : VF0102SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 3:08:22 PM

Quant Time: Jan 02 15:08:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	202648	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	338704	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	318468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	156503	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	122430	46.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.10	113	138762	51.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	7.54	98	363699	47.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.40	95	166808	47.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	79684	17.689	ug/l	99
3) Chloromethane	1.10	50	55099	21.353	ug/l	97
4) Vinyl Chloride	1.14	62	50345	21.032	ug/l	93
5) Bromomethane	1.33	94	35750	21.532	ug/l	100
6) Chloroethane	1.38	64	22422	20.329	ug/l	90
7) Trichlorofluoromethane	1.48	101	96669	21.151	ug/l	98
8) Diethyl Ether	1.63	74	14661	23.425	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.81	101	49123	20.729	ug/l	94
10) Methyl Iodide	1.89	142	75871m	20.311	ug/l	
11) Tert butyl alcohol	2.56	59	11307	107.503	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	38493	21.549	ug/l	87
13) Acrolein	2.00	56	8603	113.195	ug/l	87
14) Allyl chloride	2.09	41	59883	32.213	ug/l	92
15) Acrylonitrile	2.93	53	31784	130.683	ug/l	96
16) Acetone	2.23	43	58944	113.126	ug/l #	88
17) Carbon Disulfide	1.82	76	107718	19.954	ug/l #	92
18) Methyl Acetate	2.34	43	21442	19.890	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	85027	21.444	ug/l	99
20) Methylene Chloride	2.22	84	44333m	24.319	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	39361	20.601	ug/l	91
22) Diisopropyl ether	2.80	45	144934	23.406	ug/l	93
23) Vinyl Acetate	3.18	43	330709	115.768	ug/l	99
24) 1,1-Dichloroethane	2.87	63	82042	22.361	ug/l	99
25) 2-Butanone	4.33	43	102282	121.038	ug/l	98
26) 2,2-Dichloropropane	3.60	77	52016	24.705	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	60219	20.588	ug/l	100
28) Bromochloromethane	3.71	49	40449	21.728	ug/l	88
29) Tetrahydrofuran	4.05	42	48991	142.440	ug/l	95
30) Chloroform	3.85	83	113438	20.620	ug/l	99
31) Cyclohexane	3.68	56	85362	22.422	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	85063	25.797	ug/l	95
36) 1,1-Dichloropropene	4.27	75	82710	20.231	ug/l	96
37) Ethyl Acetate	4.10	43	42091	24.223	ug/l #	82
38) Carbon Tetrachloride	3.98	117	76400	24.538	ug/l	95

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Quant Time: Jan 02 15:08:09 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	89587	24.425	ug/l	95
40) Benzene	4.62	78	192190	21.859	ug/l	93
41) Methacrylonitrile	4.74	41	21816	25.267	ug/l	94
42) 1,2-Dichloroethane	4.93	62	66389	19.877	ug/l	98
43) Isopropyl Acetate	6.95	43	44844	22.716	ug/l	95
44) Trichloroethene	5.49	130	61847	22.312	ug/l	93
45) 1,2-Dichloropropane	6.23	63	52298	21.863	ug/l	92
46) Dibromomethane	6.08	93	33038	21.295	ug/l	97
47) Bromodichloromethane	6.38	83	85624	21.241	ug/l	94
48) Methyl methacrylate	6.70	41	30661	22.248	ug/l	96
49) 1,4-Dioxane	6.70	88	4173	417.317	ug/l #	75
51) 4-Methyl-2-Pentanone	8.25	43	152749	112.824	ug/l	96
52) Toluene	7.62	92	128033	21.999	ug/l	92
53) t-1,3-Dichloropropene	8.27	75	68954	21.204	ug/l	93
54) cis-1,3-Dichloropropene	7.29	75	91280	22.365	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	37144	21.289	ug/l	99
56) Ethyl methacrylate	8.62	69	44422	23.529	ug/l	96
57) 1,3-Dichloropropane	8.84	76	64220	20.351	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	26515	73.127	ug/l	97
59) 2-Hexanone	9.48	43	125673	128.357	ug/l	96
60) Dibromochloromethane	8.71	129	51916	20.758	ug/l	93
61) 1,2-Dibromoethane	8.98	107	40934	21.968	ug/l	91
64) Tetrachloroethene	8.14	164	52627	21.482	ug/l	95
65) Chlorobenzene	9.79	112	143024	21.739	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.92	131	58556	21.779	ug/l	95
67) Ethyl Benzene	9.89	91	267172	22.290	ug/l	98
68) m/p-Xylenes	10.13	106	188953	44.796	ug/l	99
69) o-Xylene	10.71	106	100909	21.570	ug/l	90
70) Styrene	10.78	104	148393	23.437	ug/l	99
71) Bromoform	10.77	173	29199	23.474	ug/l #	98
73) Isopropylbenzene	11.11	105	309242	22.929	ug/l	96
74) N-amyl acetate	11.37	43	75268	25.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	53693	23.988	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	35438	21.274	ug/l	99
77) Bromobenzene	11.49	156	66262	22.824	ug/l	86
78) n-propylbenzene	11.59	91	352407	20.133	ug/l	97
79) 2-Chlorotoluene	11.71	91	209449	22.639	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	248446	22.372	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	17082m	23.864	ug/l	
82) 4-Chlorotoluene	11.89	91	209995	21.941	ug/l	100
83) tert-Butylbenzene	12.12	119	254425	22.264	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	247429	22.343	ug/l	99
85) sec-Butylbenzene	12.30	105	332929	22.325	ug/l	99
86) p-Isopropyltoluene	12.45	119	291767	23.570	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	126405	23.868	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	117762	22.090	ug/l	95
89) n-Butylbenzene	12.84	91	296703	20.987	ug/l	95
90) Hexachloroethane	12.91	117	67428	22.047	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	110057	21.205	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8529	20.765	ug/l	84

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ClientSampleId :
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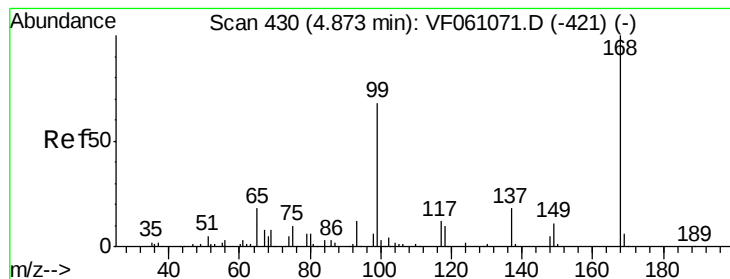
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82778	22.489	ug/l	96
94) Hexachlorobutadiene	14.18	225	52520	22.403	ug/l	96
95) Naphthalene	14.45	128	147369	21.925	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	75362	22.147	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion:168 Resp: 202648

Ion Ratio Lower Upper

168 100

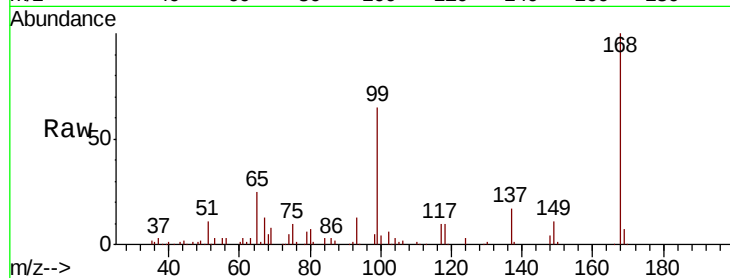
99 65.5 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

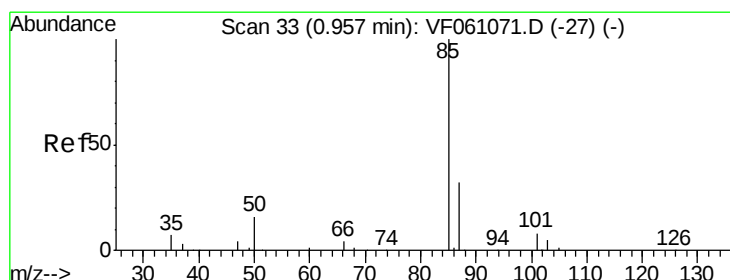
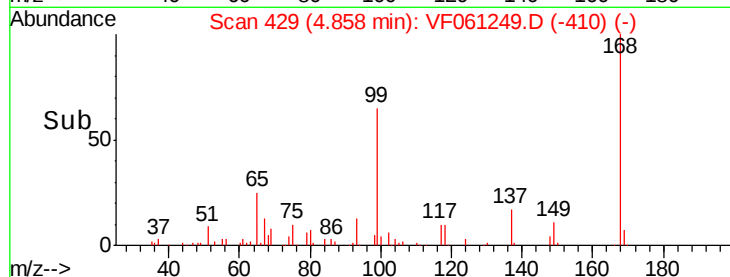
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.689 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061249.D

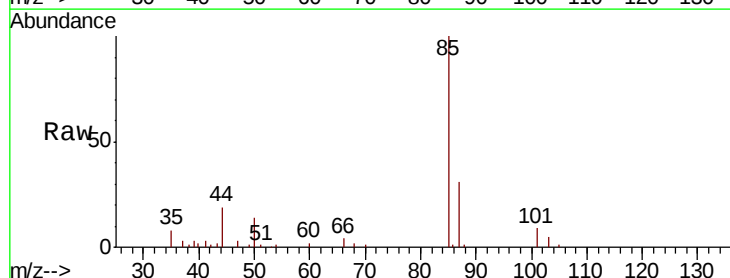
Acq: 2 Jan 2019 12:45

Tgt Ion: 85 Resp: 79684

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

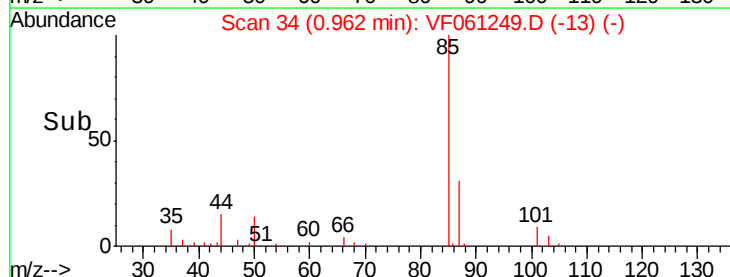
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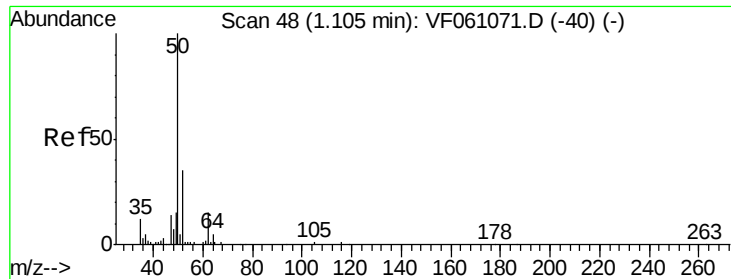
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.353 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 50 Resp: 55099

Ion Ratio Lower Upper

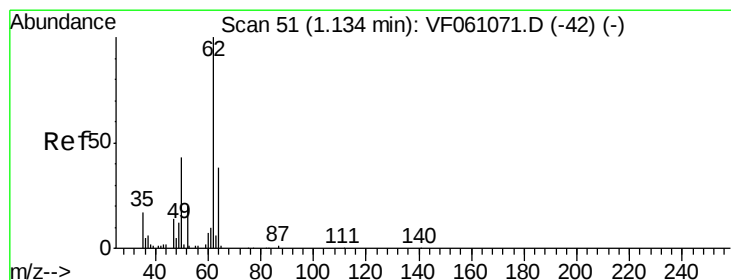
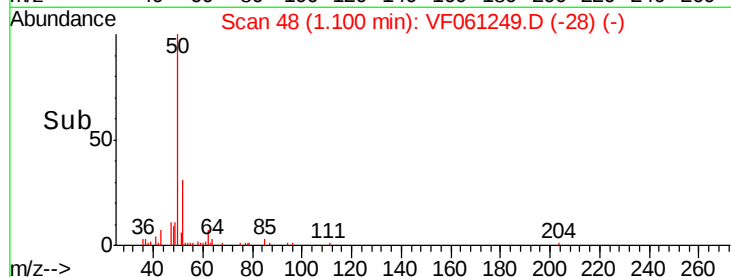
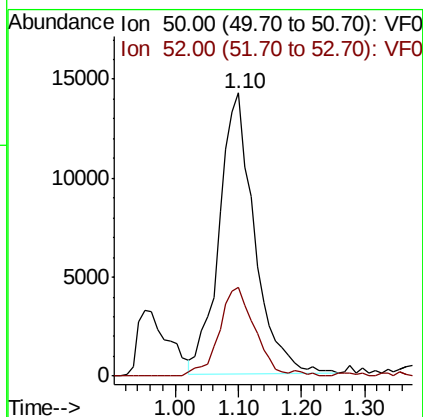
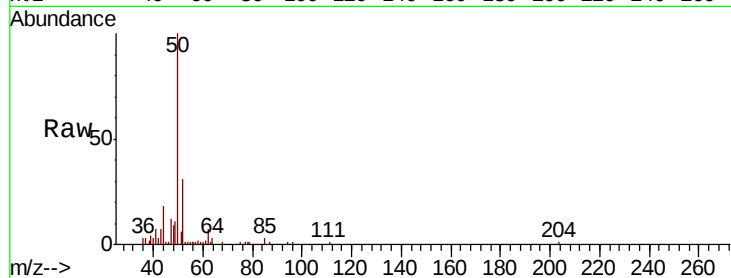
50 100

52 31.2 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.032 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061249.D

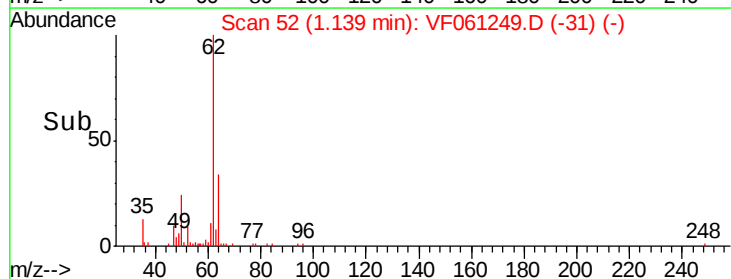
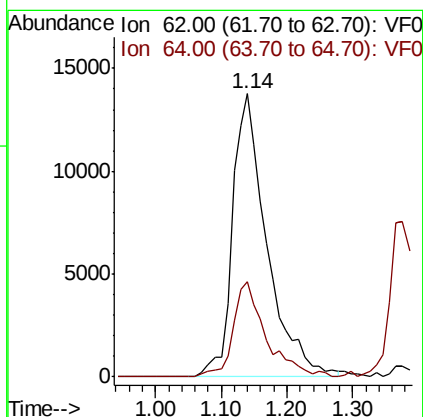
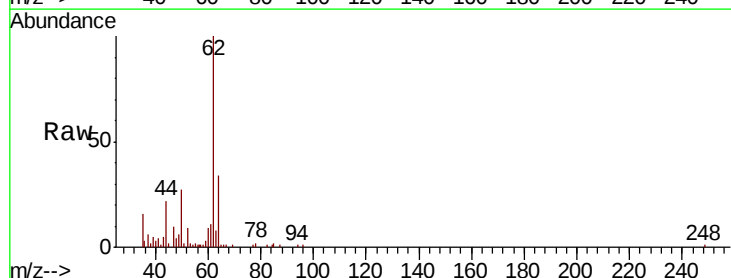
Acq: 2 Jan 2019 12:45

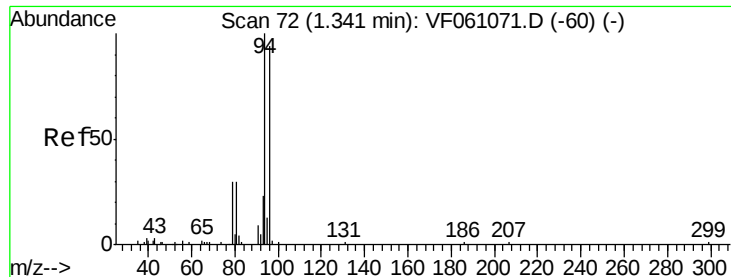
Tgt Ion: 62 Resp: 50345

Ion Ratio Lower Upper

62 100

64 33.6 30.4 45.6





#5

Bromomethane

Concen: 21.532 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 94 Resp: 35750

Ion Ratio Lower Upper

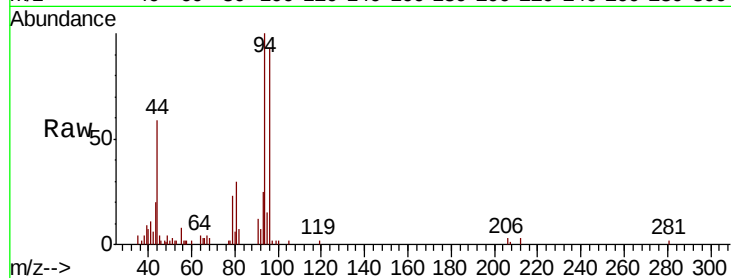
94 100

96 93.3 74.4 111.6

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

8000

6000

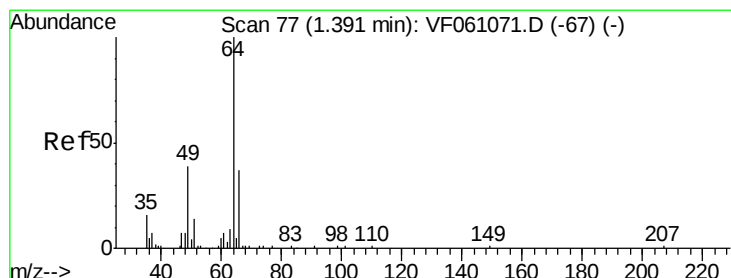
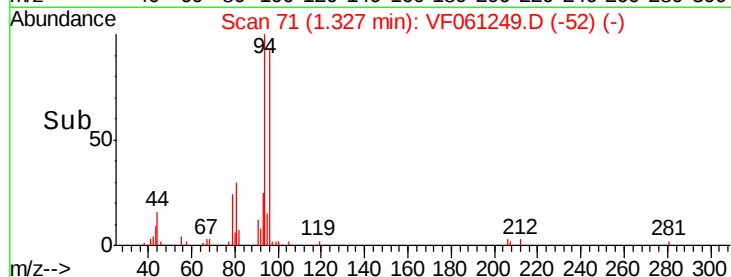
4000

2000

0

1.20 1.40 1.60

Time-->



#6

Chloroethane

Concen: 20.329 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061249.D

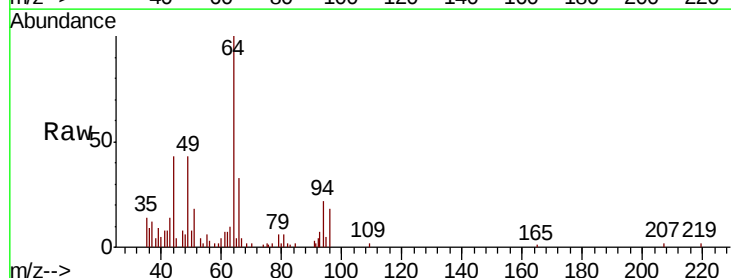
Acq: 2 Jan 2019 12:45

Tgt Ion: 64 Resp: 22422

Ion Ratio Lower Upper

64 100

66 32.7 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

8000

6000

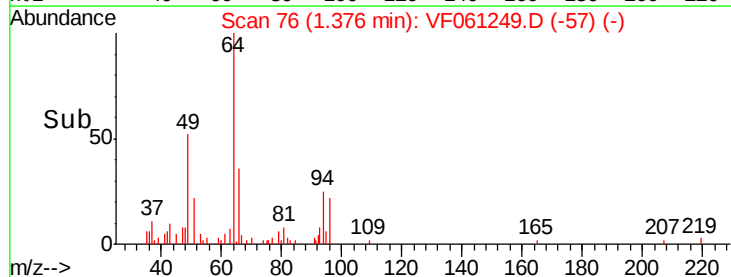
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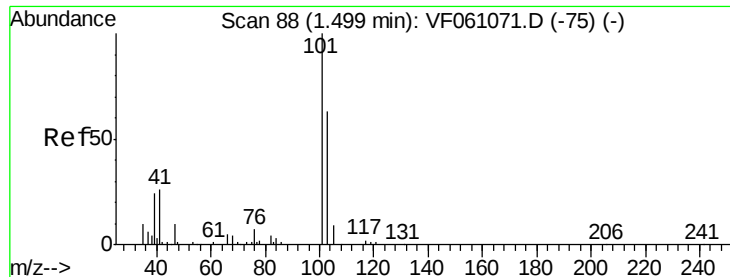
2000

0

1.20 1.30 1.40 1.50 1.60

Time-->





#7

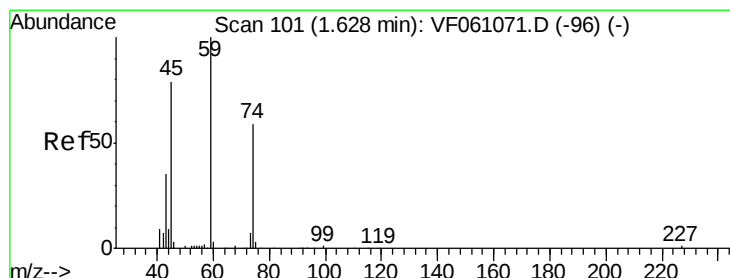
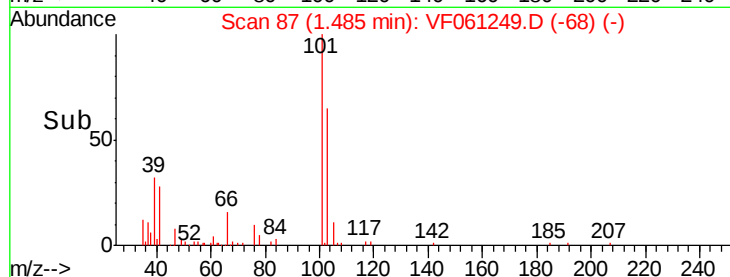
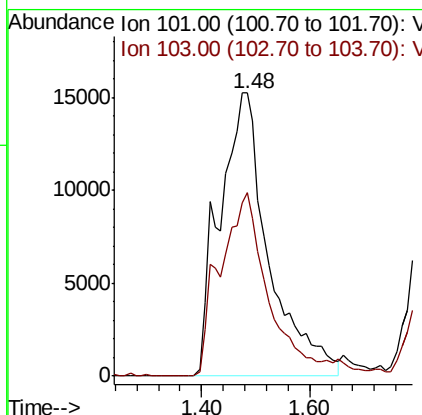
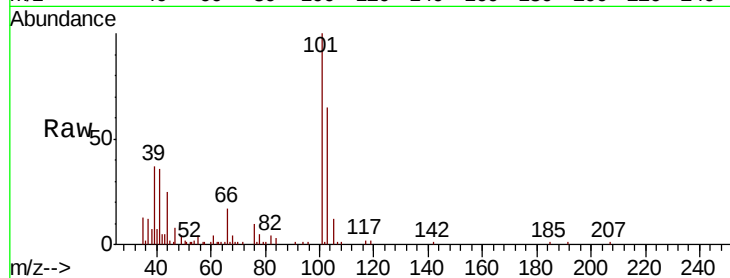
Trichlorofluoromethane
Concen: 21.151 ug/l
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
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ClientSampleId :
VF0102SBSD01

Tot Ion:101 Resp: 96669
Ion Ratio Lower Upper
101 100
103 65.0 50.7 76.1

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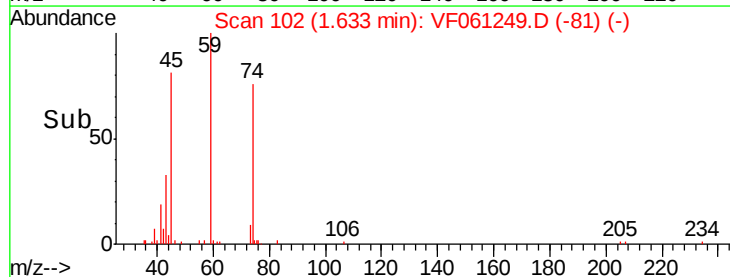
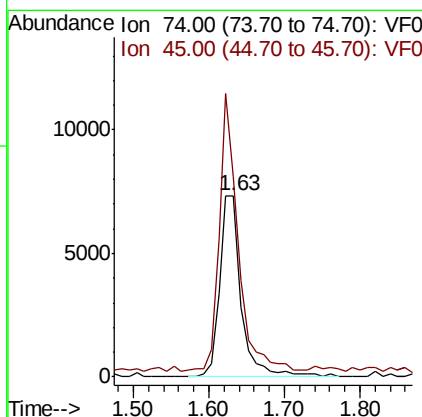
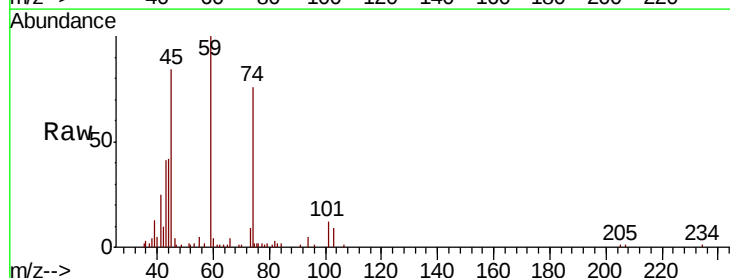
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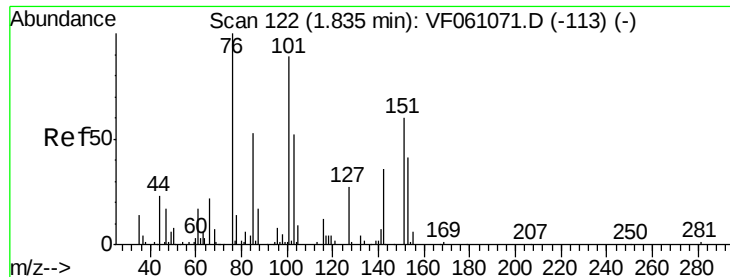


#8

Diethyl Ether
Concen: 23.425 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 74 Resp: 14661
Ion Ratio Lower Upper
74 100
45 110.7 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.729 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

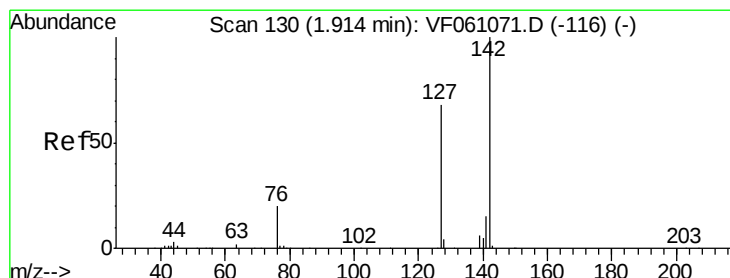
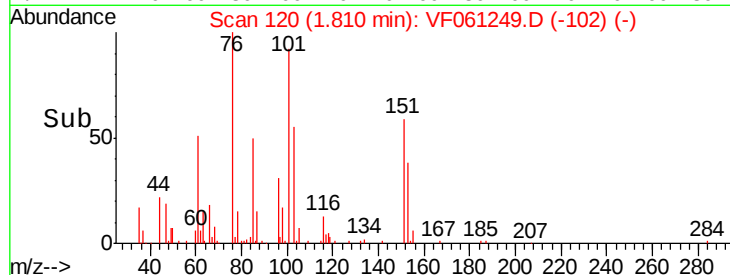
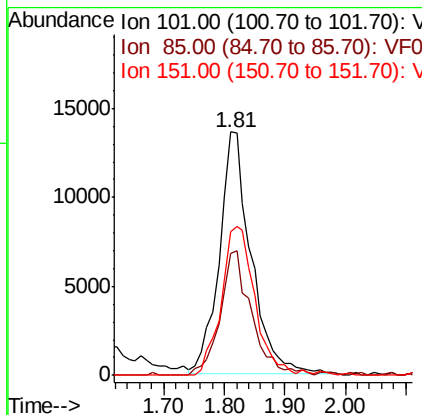
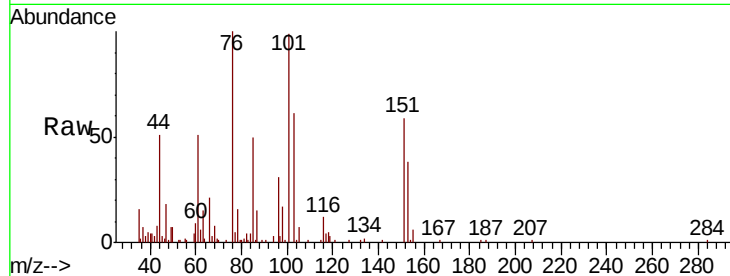
ClientSampleId :

VF0102SBSD01

Tot Ion:	101	Resp:	49123
Ion Ratio	Lower	Upper	
101	100		
85	50.1	44.5	66.7
151	59.0	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.311 ug/l m

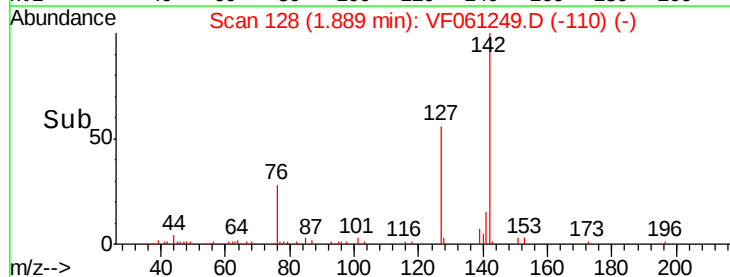
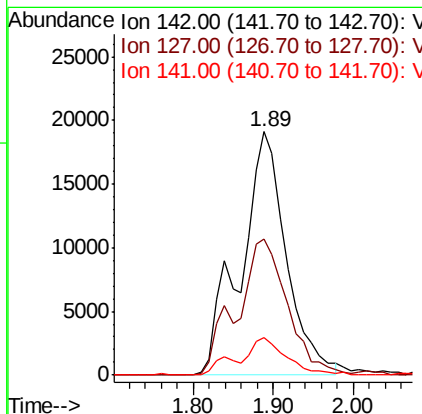
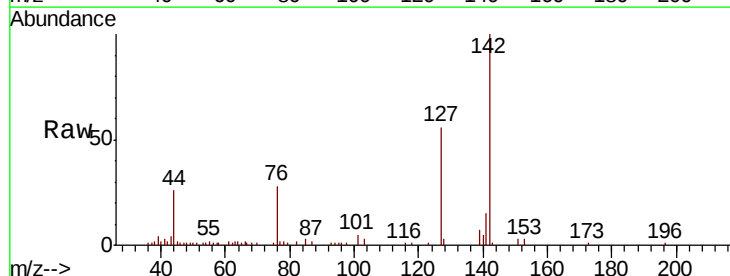
RT: 1.89 min Scan# 128

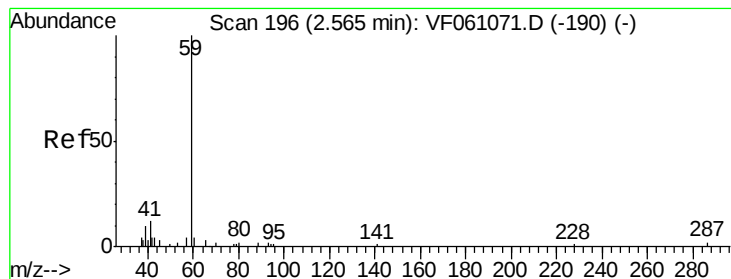
Delta R.T. -0.02 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	142	Resp:	75871
Ion Ratio	Lower	Upper	
142	100		
127	56.1	54.7	82.1
141	15.2	12.2	18.2





#11

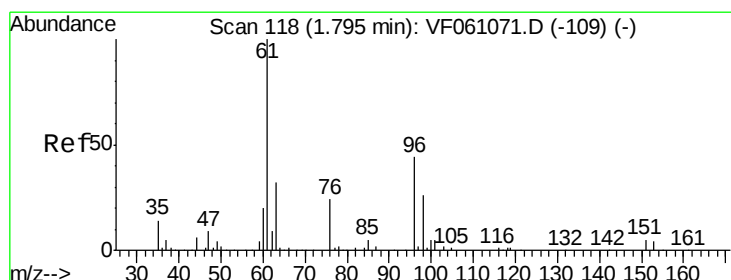
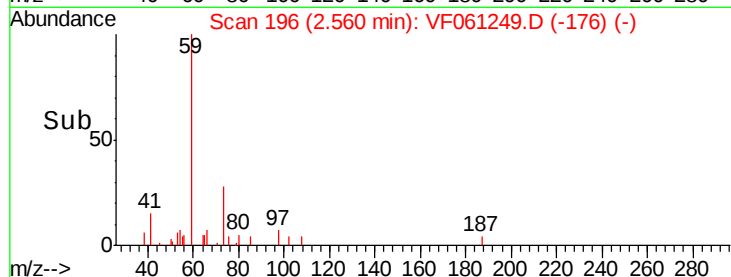
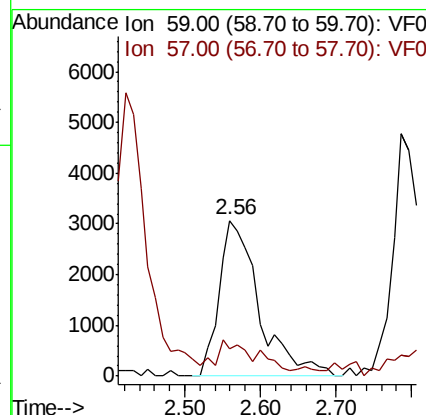
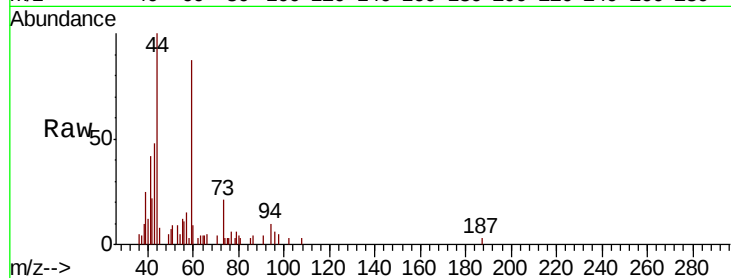
Tert butyl alcohol
Concen: 107.503 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion: 59 Resp: 11307
Ion Ratio Lower Upper
59 100
57 17.3 11.5 17.3#

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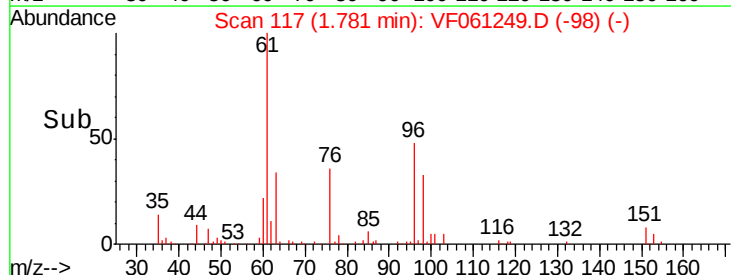
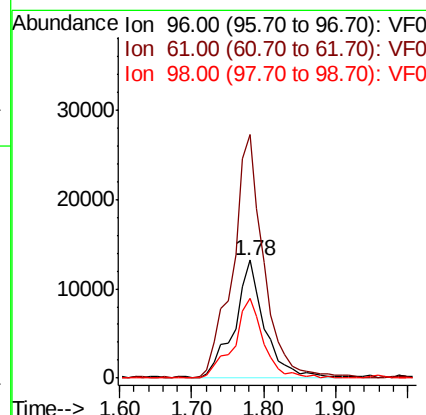
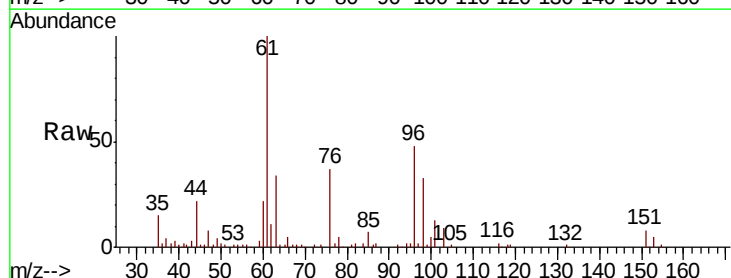
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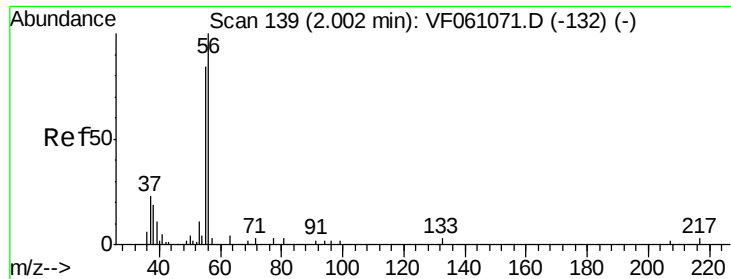


#12

1,1-Dichloroethene
Concen: 21.549 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 96 Resp: 38493
Ion Ratio Lower Upper
96 100
61 206.8 182.0 273.0
98 67.5 46.5 69.7





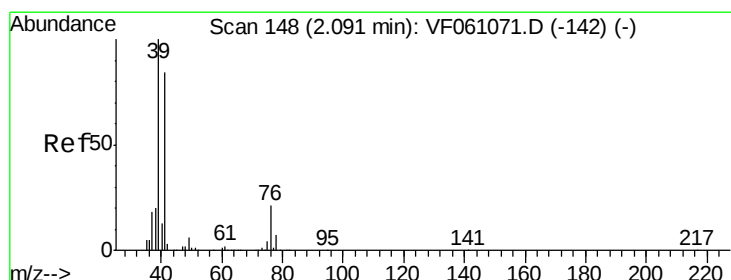
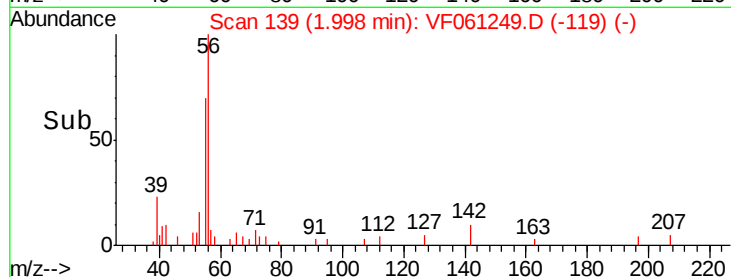
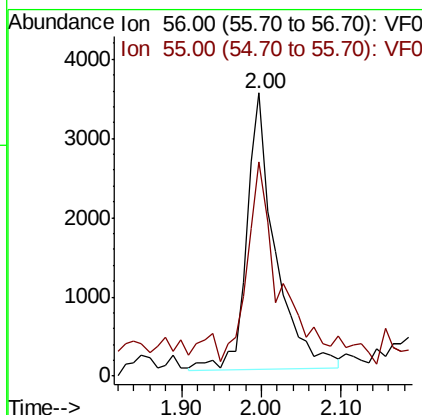
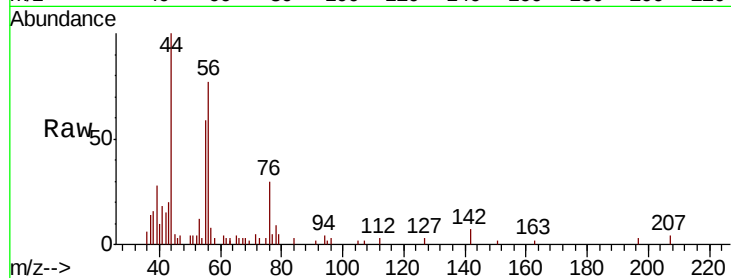
#13
Acrolein
Concen: 113.195 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion: 56 Resp: 8603
Ion Ratio Lower Upper
56 100
55 75.6 70.2 105.2

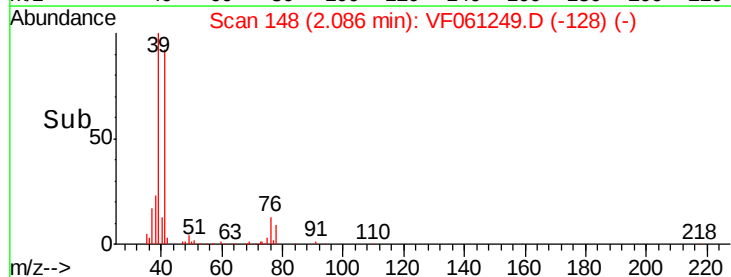
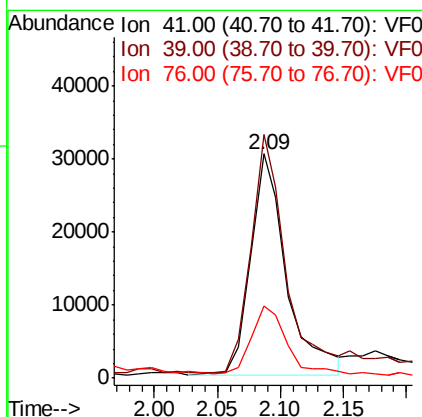
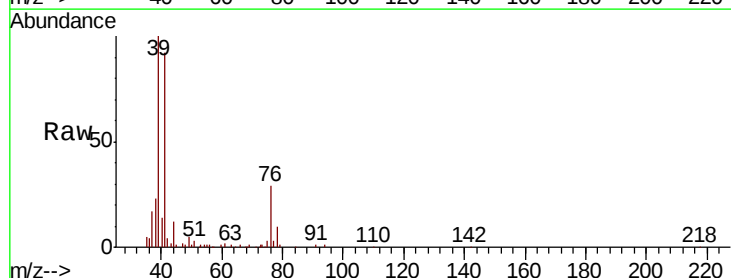
Manual Integrations
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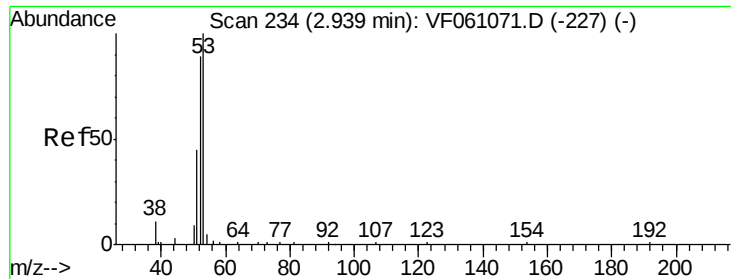
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#14
Allyl chloride
Concen: 32.213 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 41 Resp: 59883
Ion Ratio Lower Upper
41 100
39 108.7 96.4 144.6
76 31.9 25.4 38.0





#15

Acrylonitrile

Concen: 130.683 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

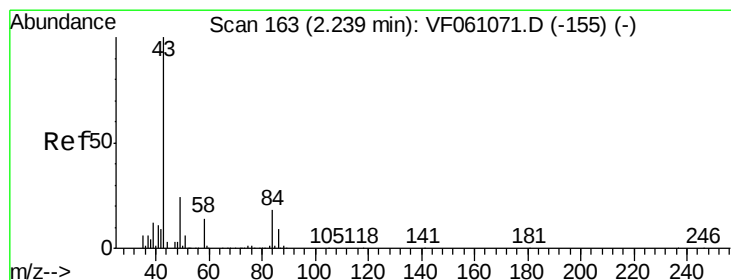
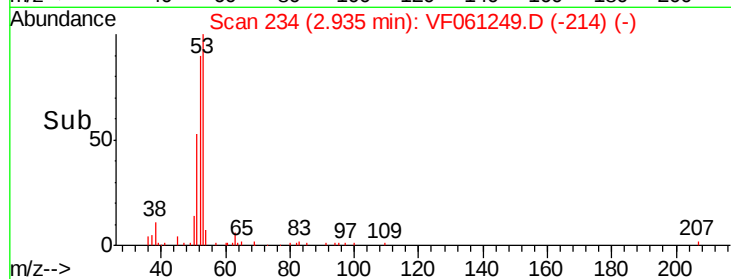
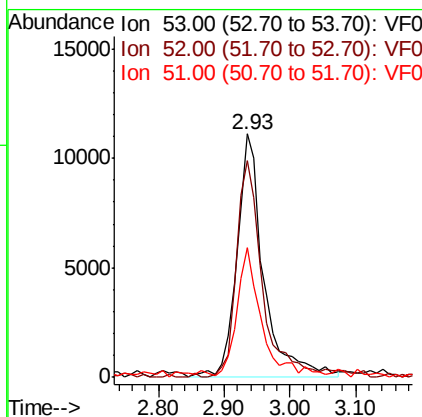
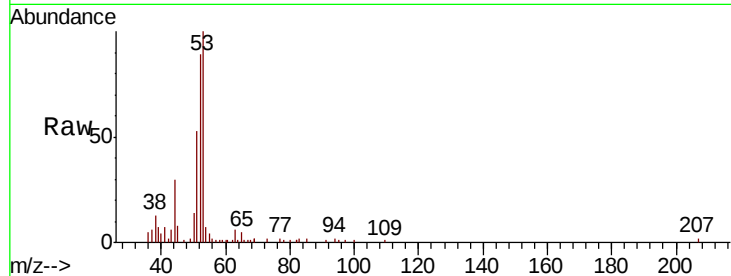
ClientSampleId :

VF0102SBSD01

Tot Ion:	53	Resp:	31784
Ion	Ratio	Lower	Upper
53	100		
52	88.9	71.3	106.9
51	53.0	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 113.126 ug/l

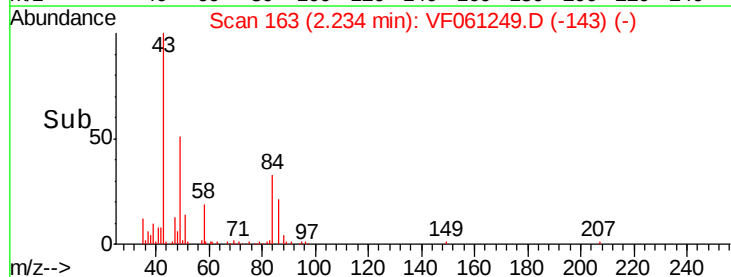
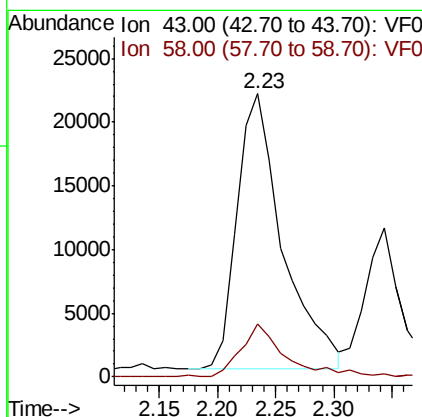
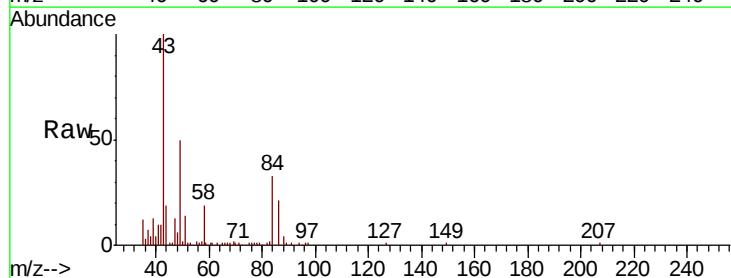
RT: 2.23 min Scan# 163

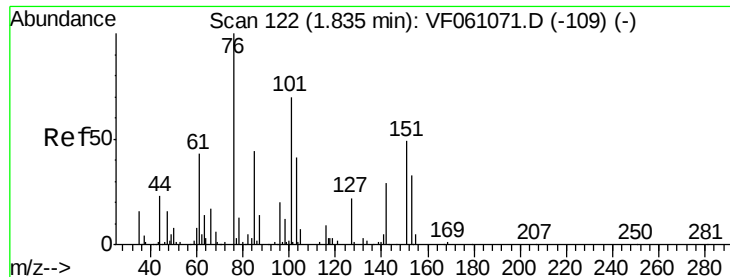
Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	43	Resp:	58944
Ion	Ratio	Lower	Upper
43	100		
58	18.8	11.1	16.7#





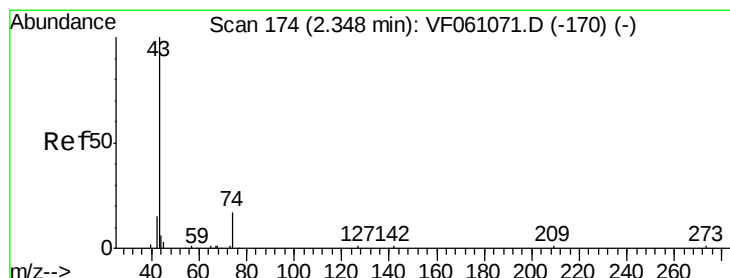
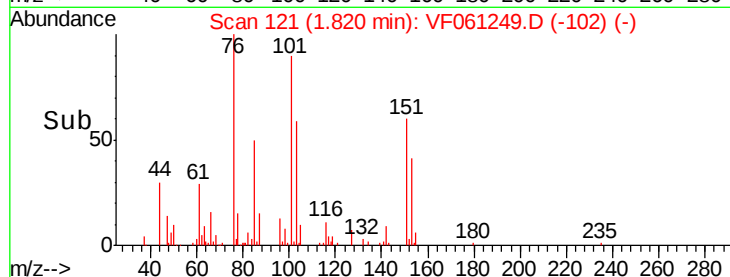
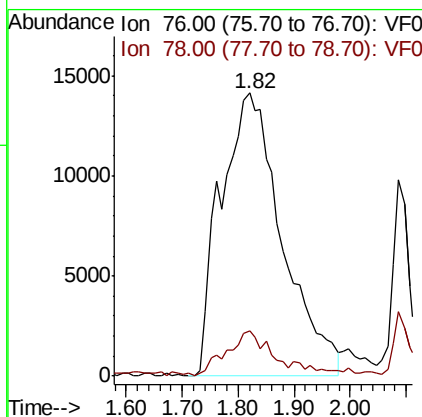
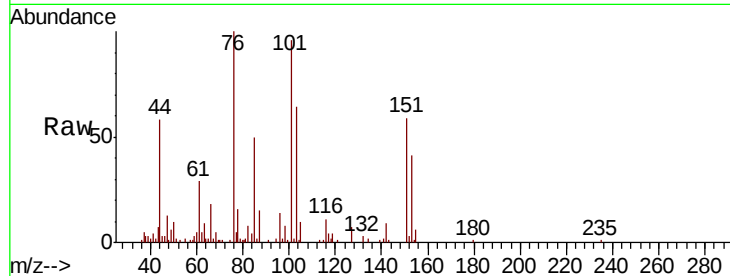
#17
Carbon Disulfide
Concen: 19.954 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion: 76 Resp: 107718
Ion Ratio Lower Upper
76 100
78 15.8 10.2 15.4#

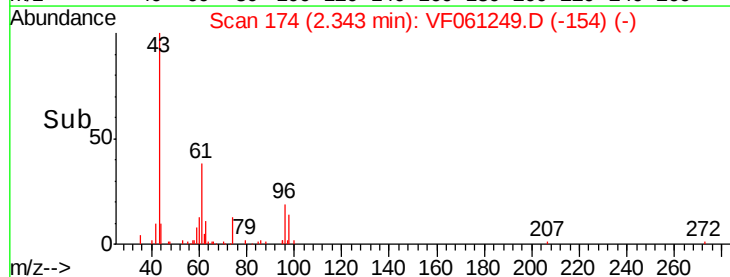
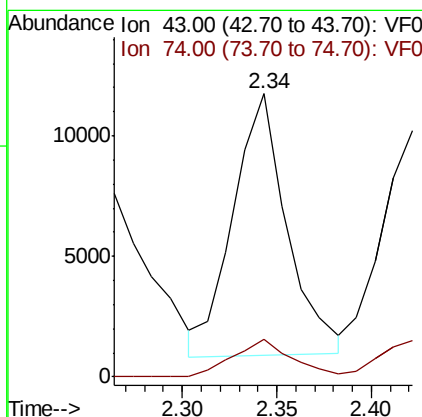
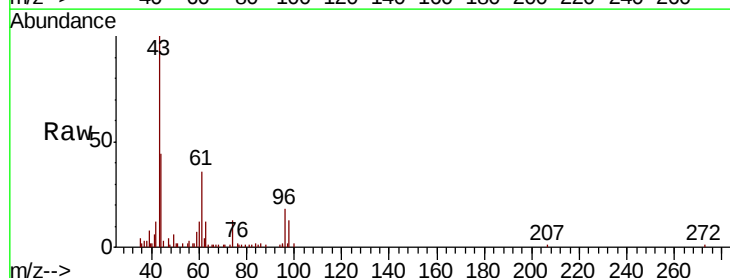
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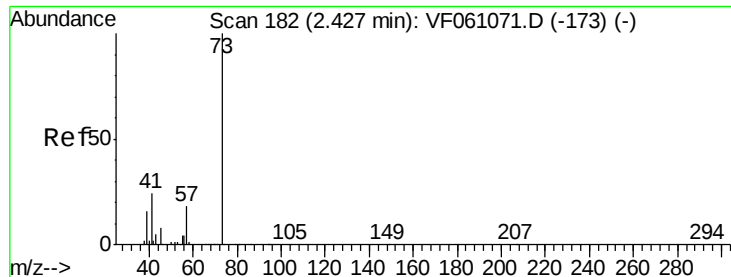
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#18
Methyl Acetate
Concen: 19.890 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 43 Resp: 21442
Ion Ratio Lower Upper
43 100
74 13.3 11.0 16.6





#19

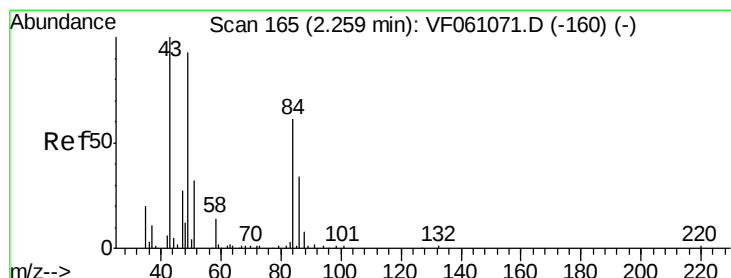
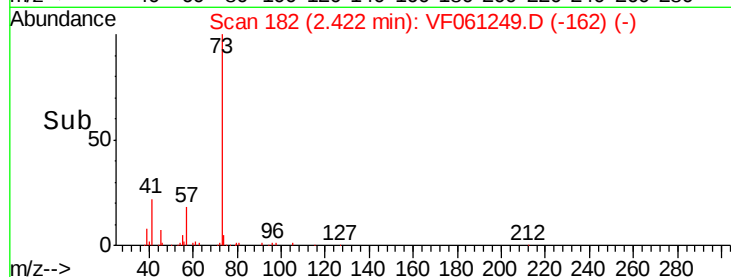
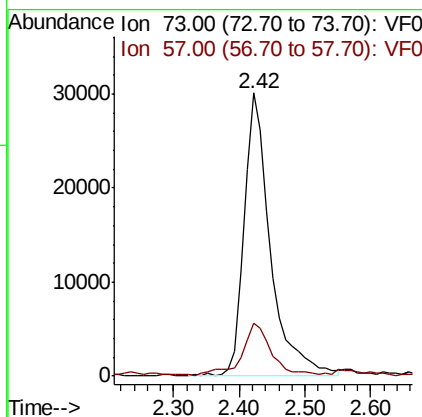
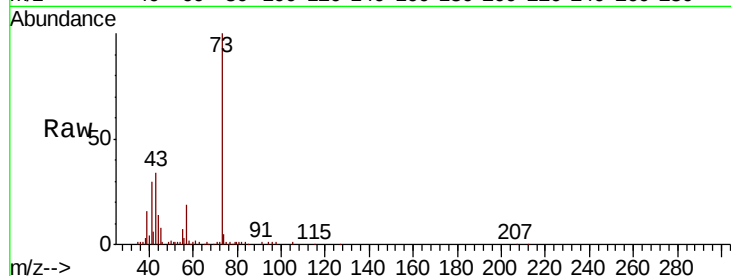
Methyl tert-butyl Ether
 Concen: 21.444 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.5	21.7

Manual Integrations
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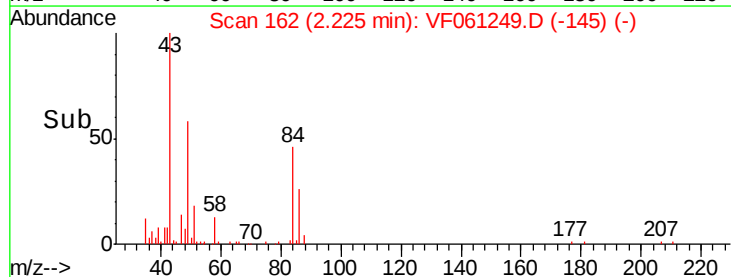
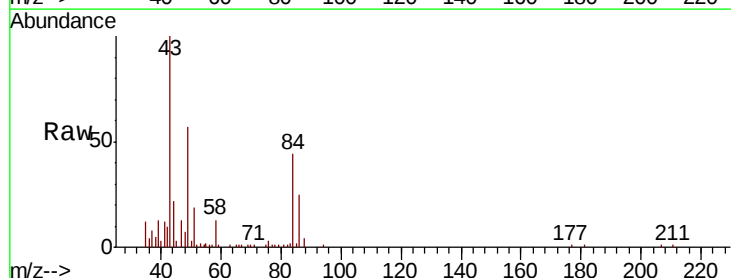
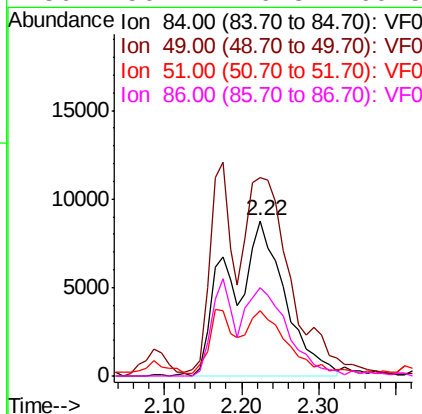
MMDadoda
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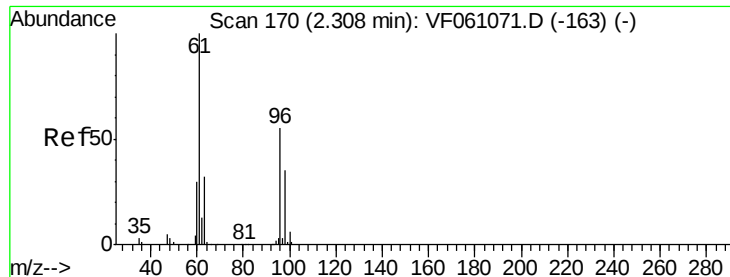


#20

Methylene Chloride
 Concen: 24.319 ug/l m
 RT: 2.22 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.1	129.4	194.2#
51	42.2	44.0	66.0#
86	56.7	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 20.601 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

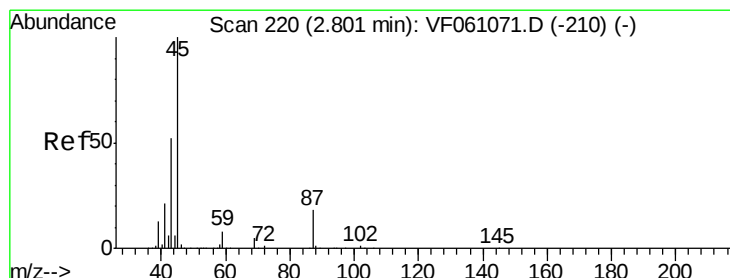
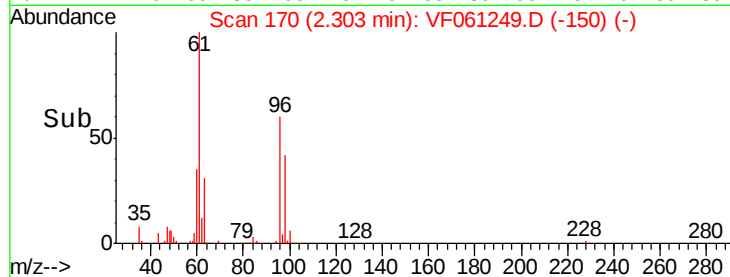
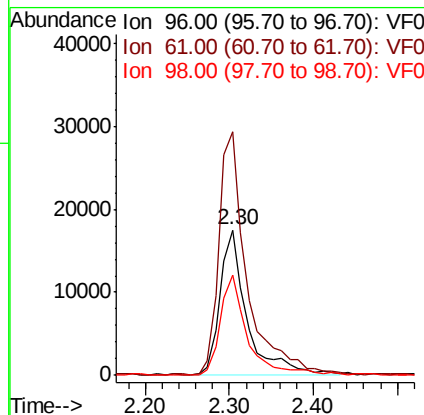
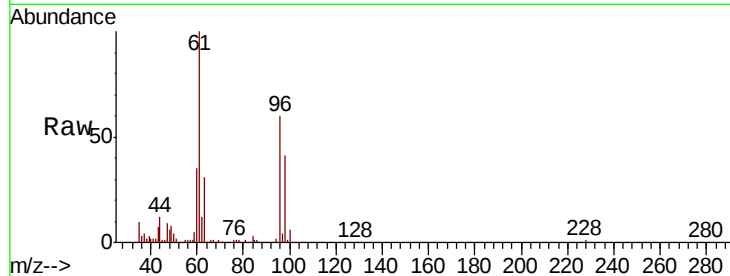
ClientSampleId :

VF0102SBSD01

Tot Ion:	96	Resp:	39361
Ion	Ratio	Lower	Upper
96	100		
61	167.5	146.0	219.0
98	69.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.406 ug/l

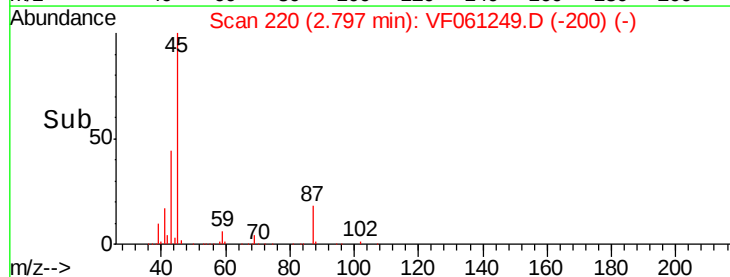
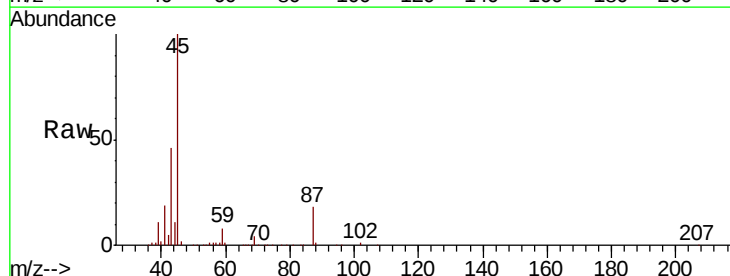
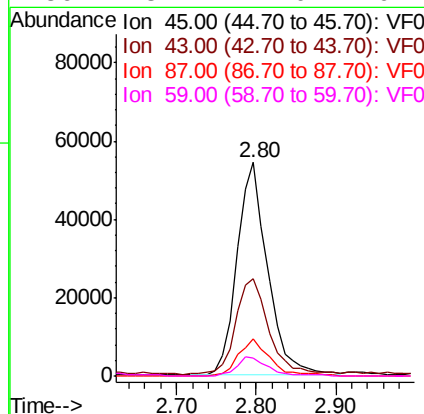
RT: 2.80 min Scan# 220

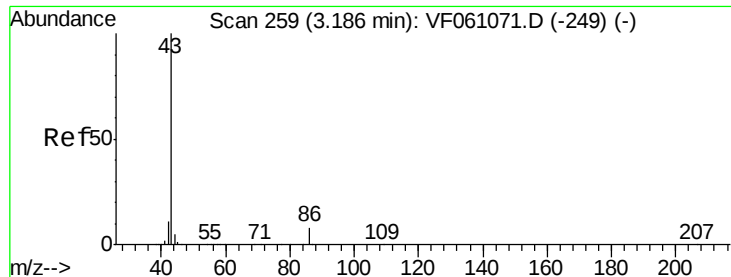
Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	45	Resp:	144934
Ion	Ratio	Lower	Upper
45	100		
43	45.6	42.2	63.2
87	17.6	14.6	22.0
59	8.1	7.0	10.4





#23

Vinyl Acetate

Concen: 115.768 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 43 Resp: 330709

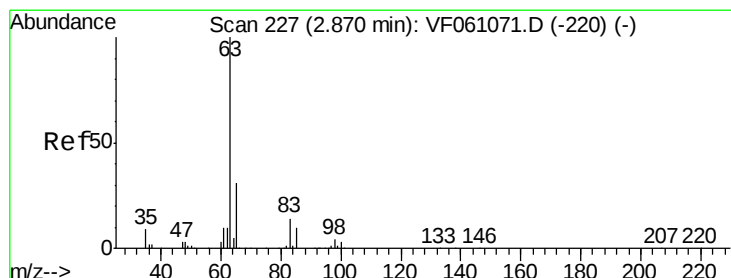
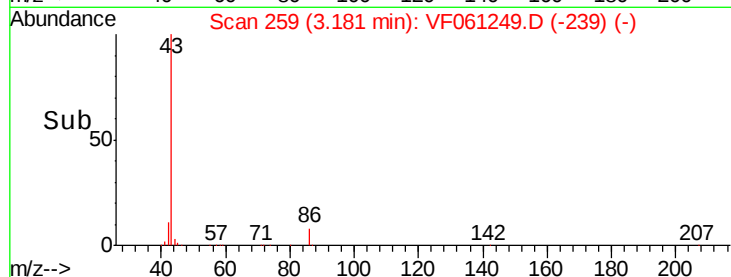
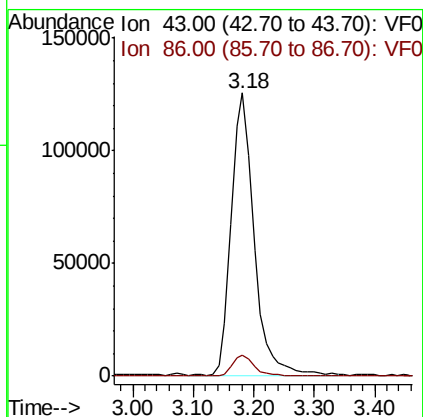
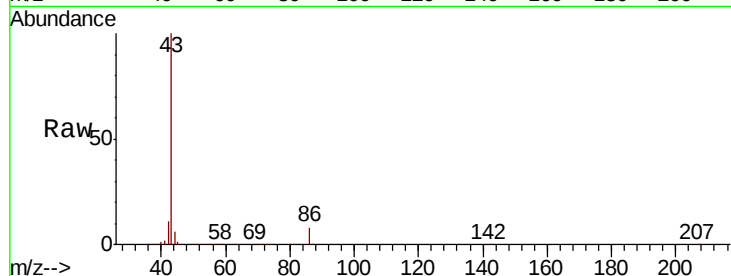
Ion Ratio Lower Upper

43 100

86 7.6 6.3 9.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.361 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

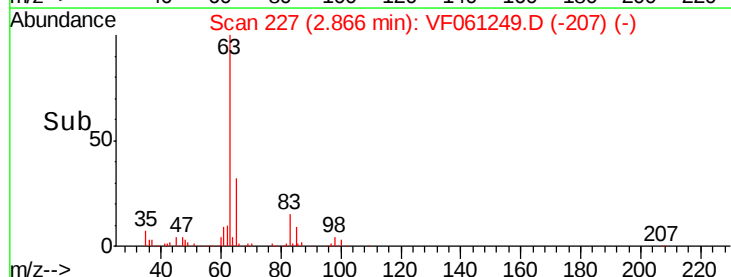
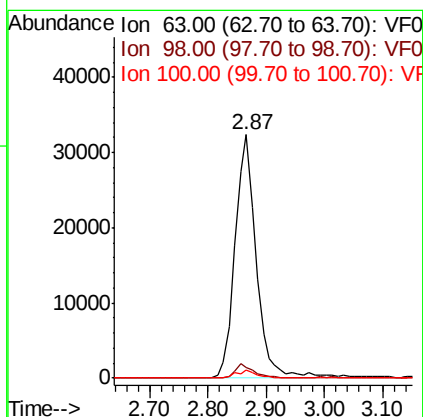
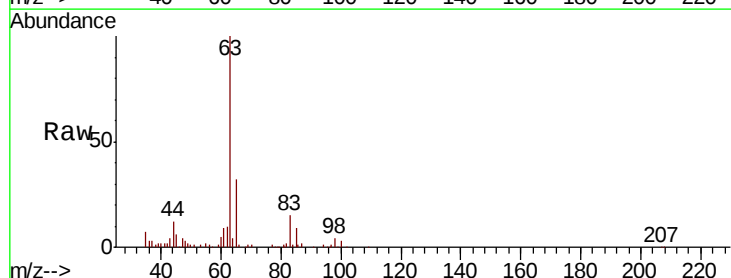
Tgt Ion: 63 Resp: 82042

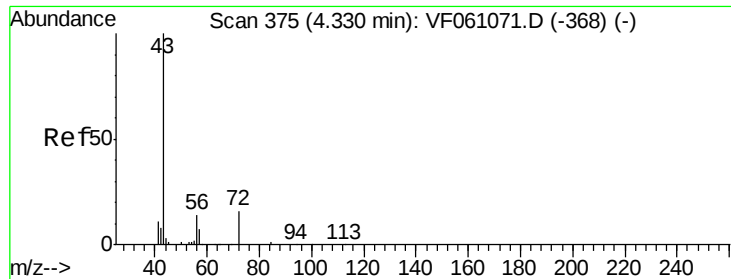
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

100 3.1 1.7 5.1





#25

2-Butanone

Concen: 121.038 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 43 Resp: 102282

Ion Ratio Lower Upper

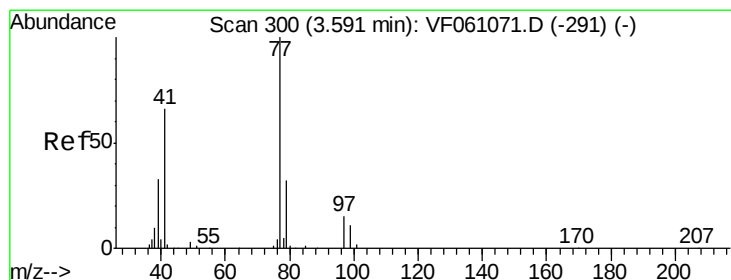
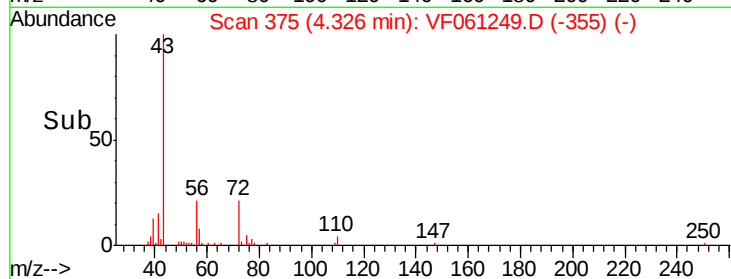
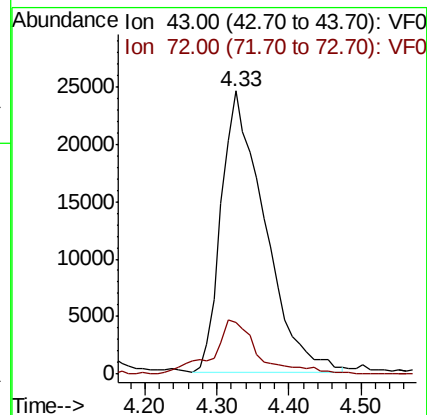
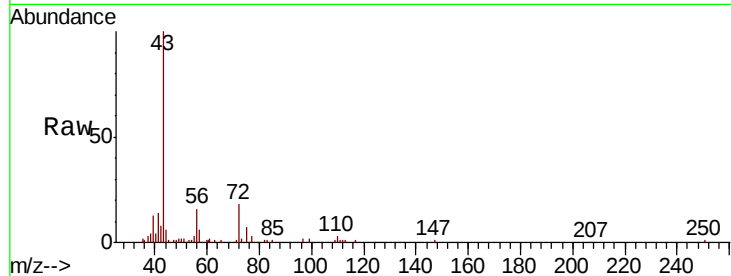
43 100

72 18.4 15.6 23.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 24.705 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061249.D

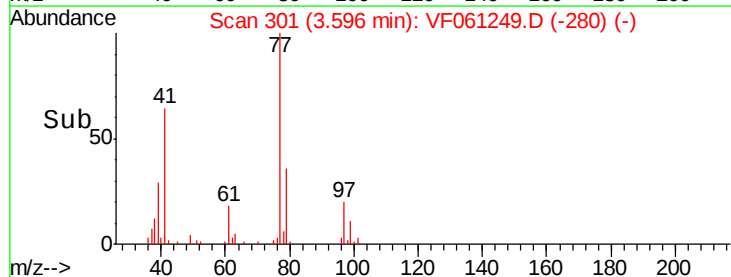
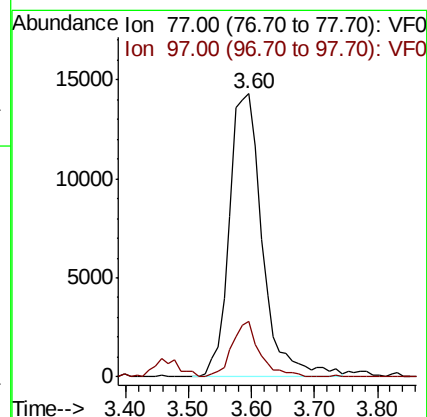
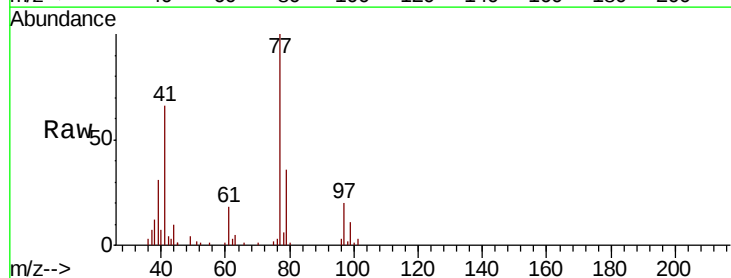
Acq: 2 Jan 2019 12:45

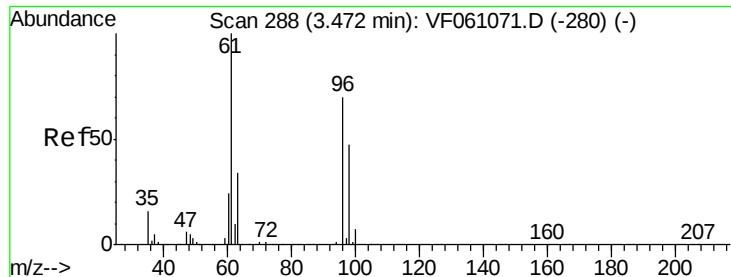
Tgt Ion: 77 Resp: 52016

Ion Ratio Lower Upper

77 100

97 19.5 8.2 24.4





#27

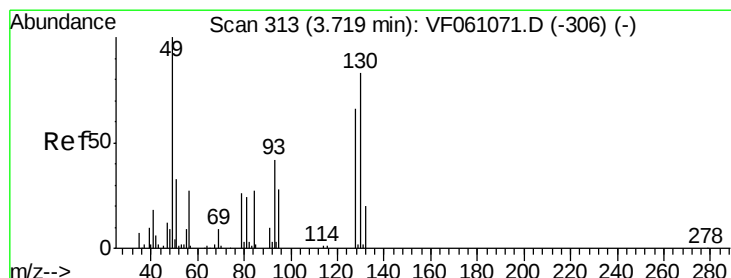
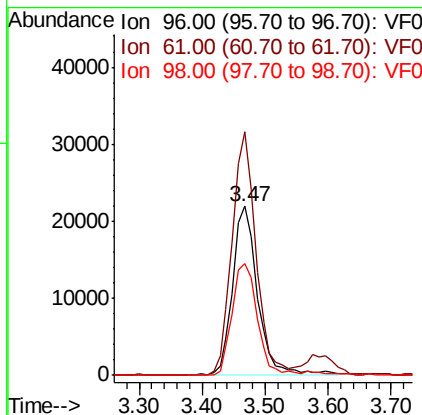
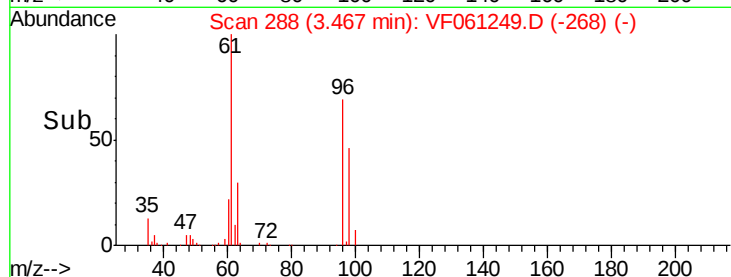
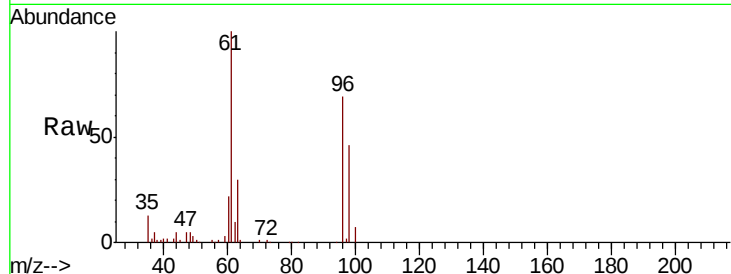
cis-1,2-Dichloroethene
 Concen: 20.588 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	287.8
98	66.3	0.0	134.2

Manual Integrations
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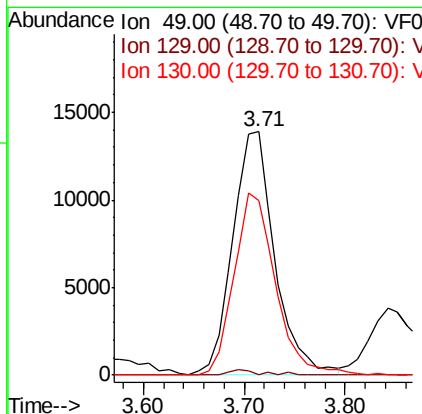
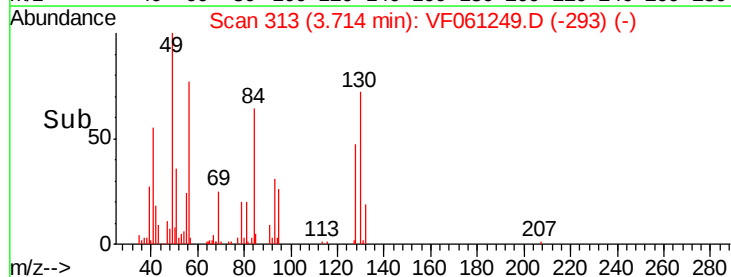
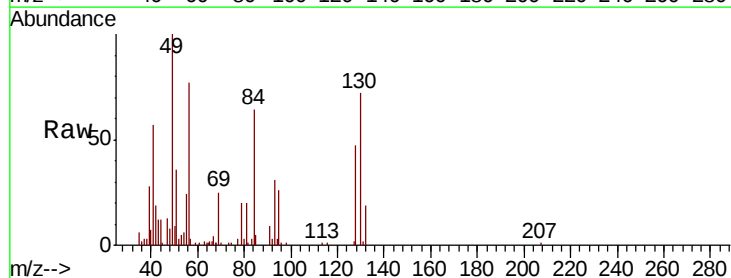
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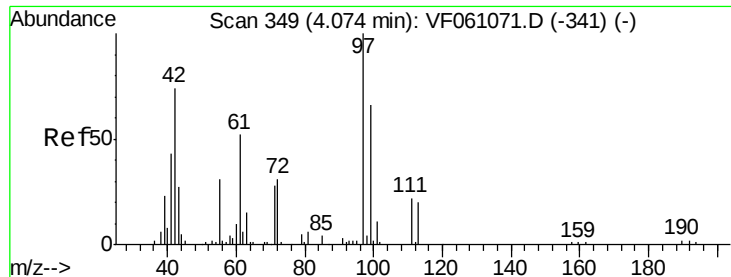


#28

Bromochloromethane
 Concen: 21.728 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	71.6	65.8	98.6





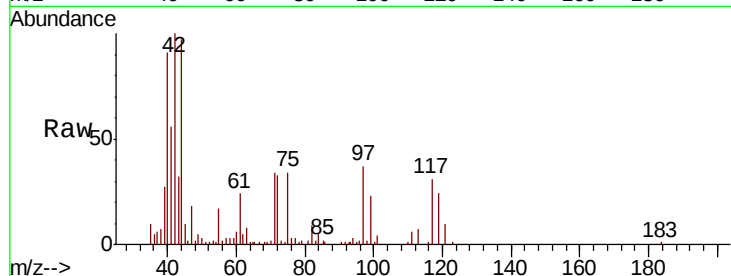
#29
Tetrahydrofuran
Concen: 142.440 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	31.8	47.8
71	35.3	29.7	44.5

Manual Integrations
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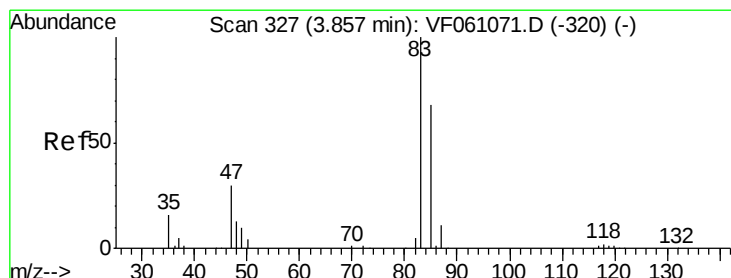
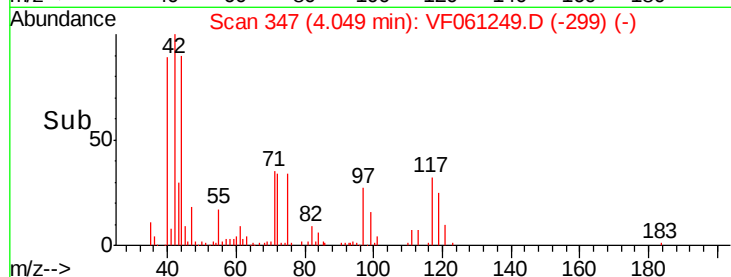
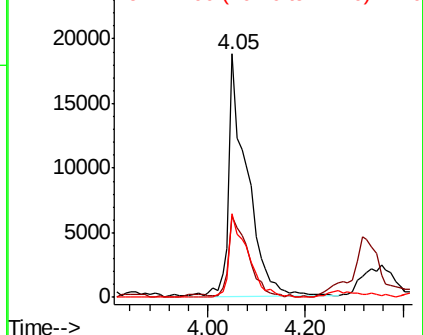


Abundance

Ion 42.00 (41.70 to 42.70): VF0

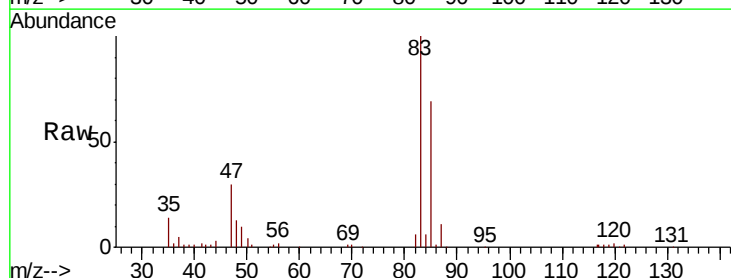
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30
Chloroform
Concen: 20.620 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

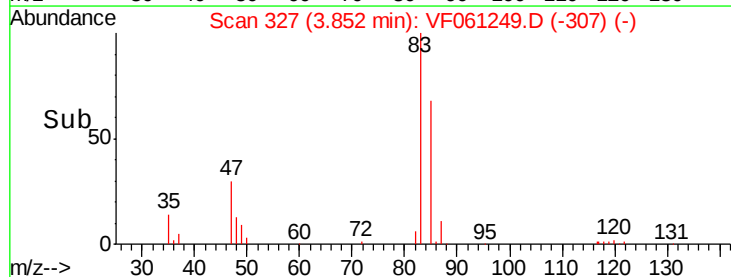
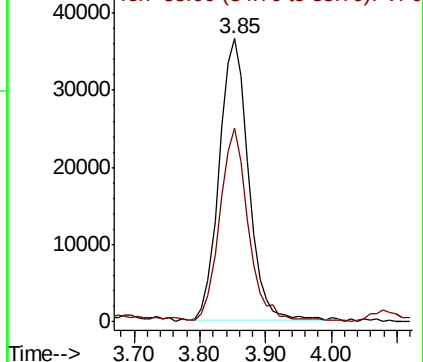
Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	54.5	81.7

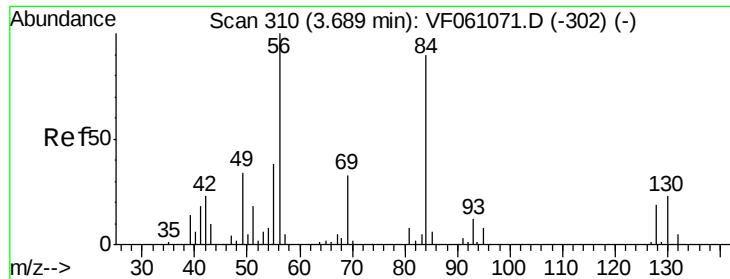


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.422 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 56 Resp: 85362

Ion Ratio Lower Upper

56 100

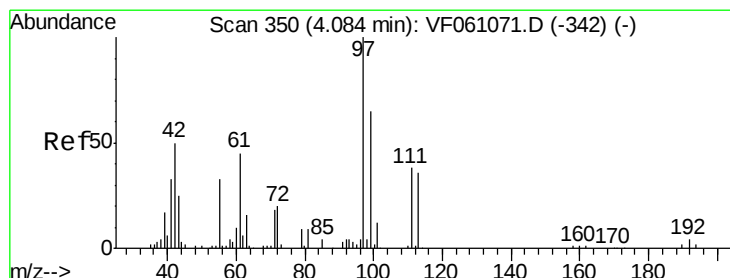
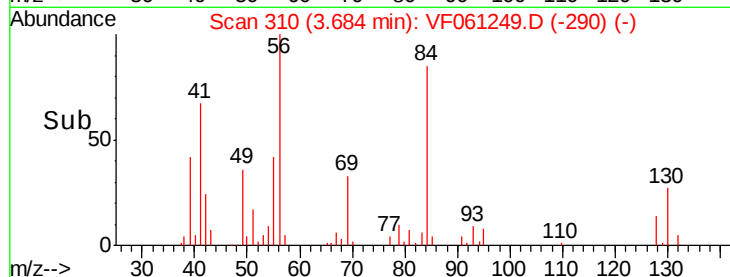
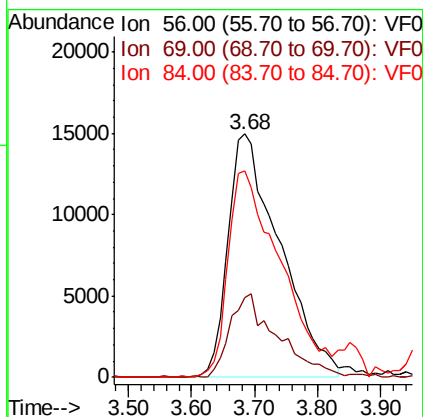
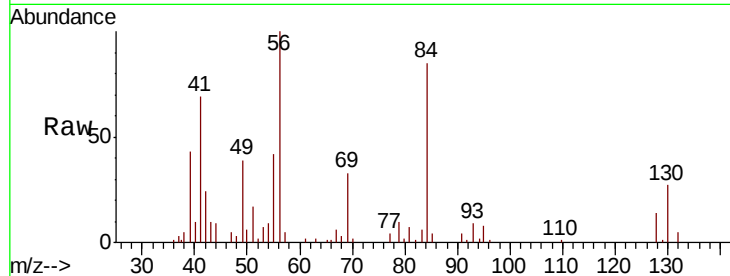
69 32.6 26.0 39.0

84 84.9 71.4 107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 25.797 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

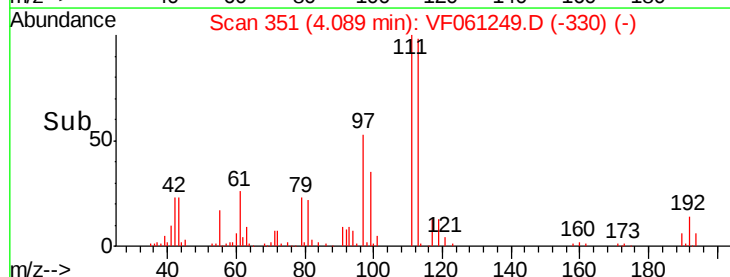
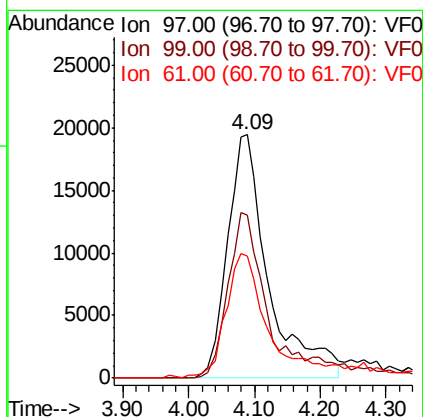
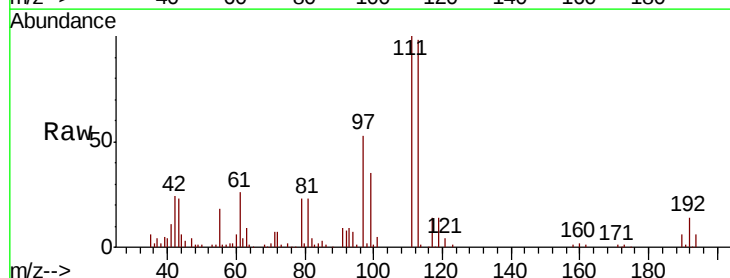
Tgt Ion: 97 Resp: 85063

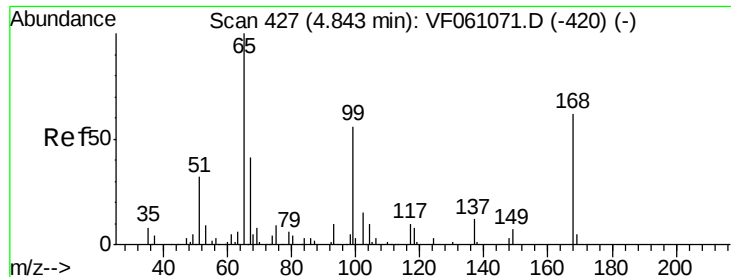
Ion Ratio Lower Upper

97 100

99 66.7 51.6 77.4

61 49.9 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 46.973 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tot Ion: 65 Resp: 122430

Ion Ratio Lower Upper

65 100

67 46.2 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

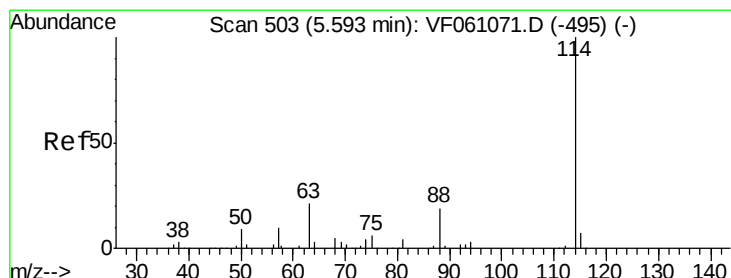
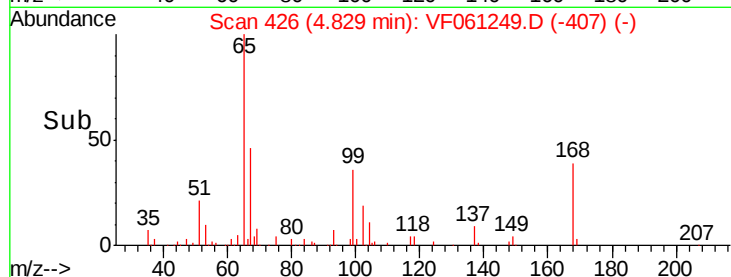
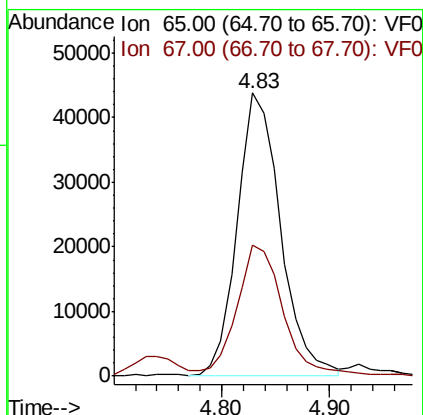
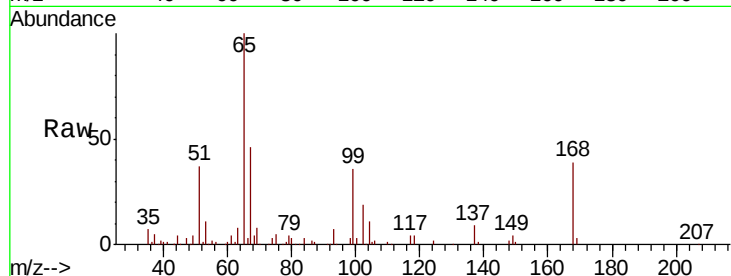
VF0102SBSD01

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

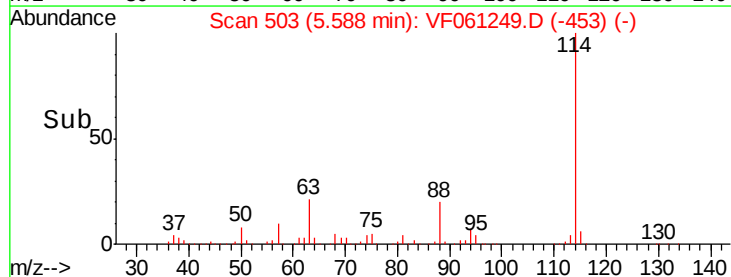
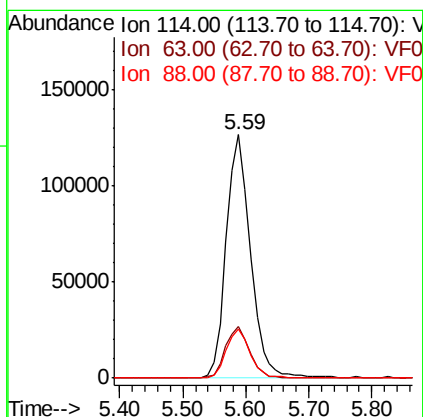
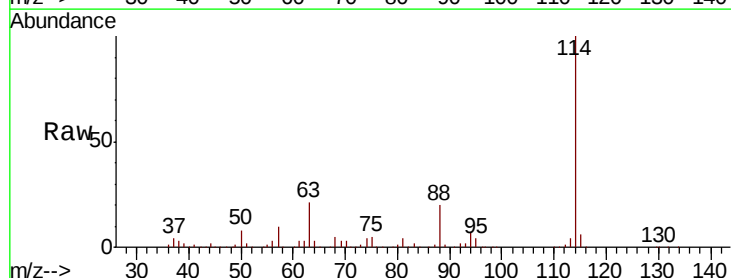
Tgt Ion: 114 Resp: 338704

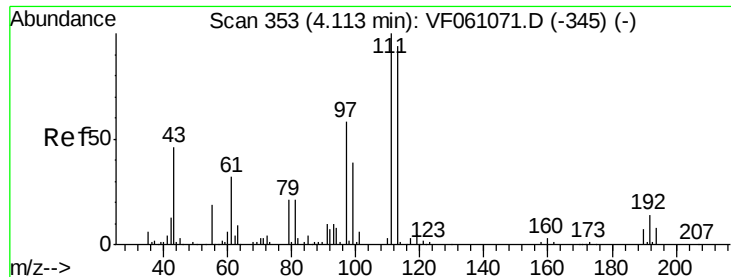
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 20.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 51.143 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

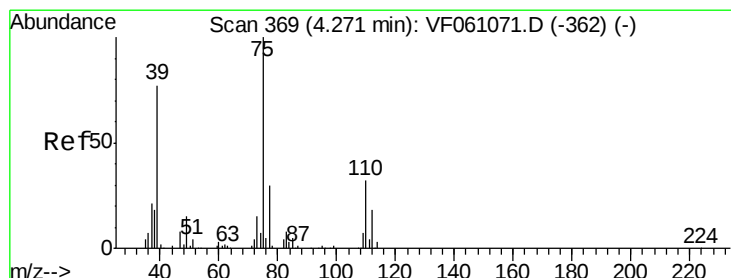
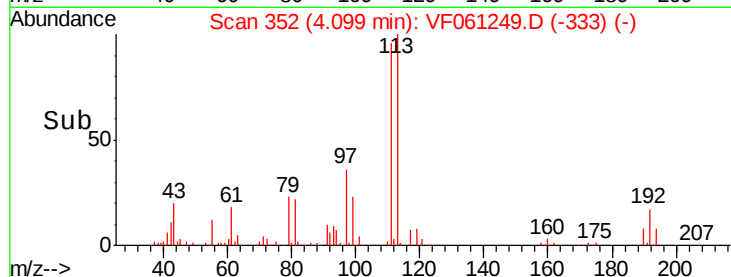
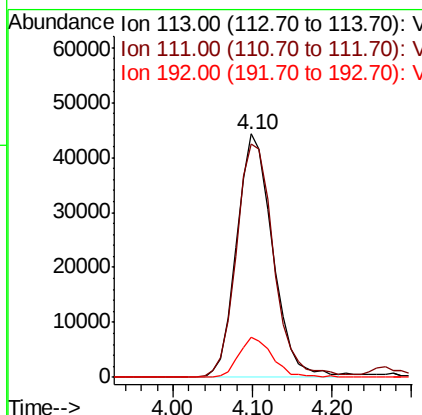
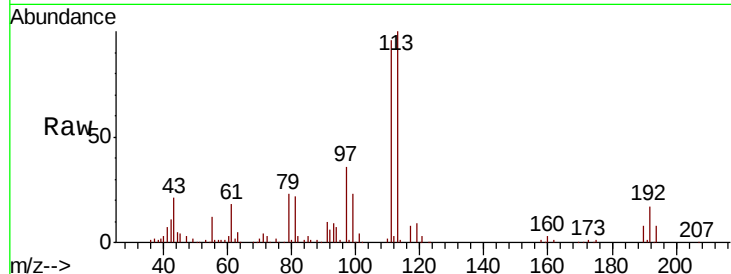
ClientSampleId :

VF0102SBSD01

Tot Ion:	113	Resp:	138762
Ion Ratio	Lower	Upper	
113	100		
111	96.0	85.2	127.8
192	16.6	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.231 ug/l

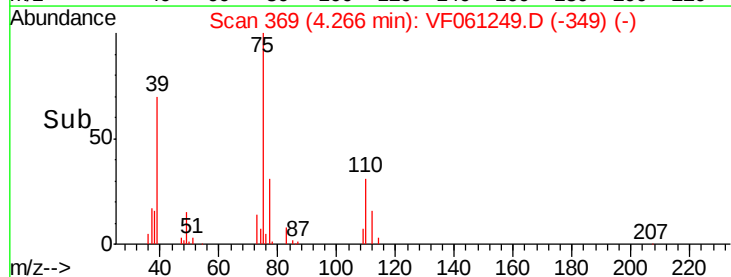
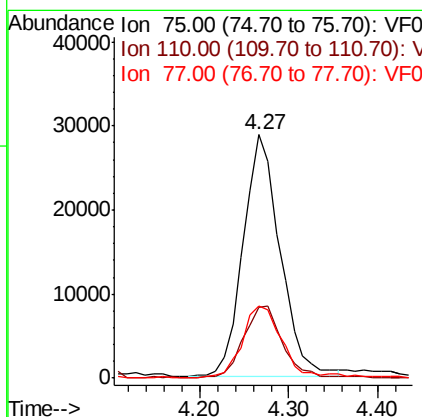
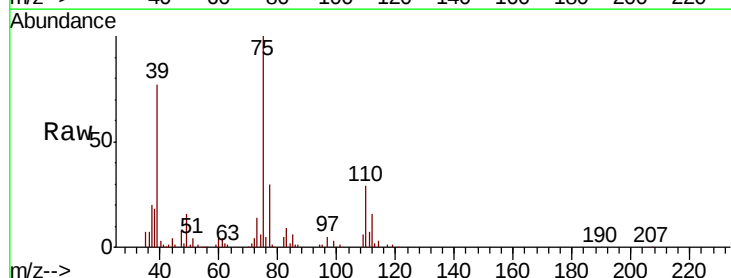
RT: 4.27 min Scan# 369

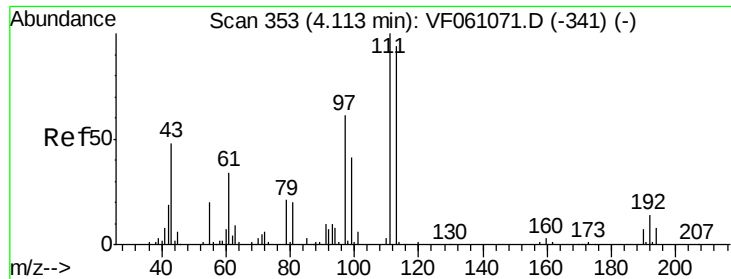
Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	75	Resp:	82710
Ion Ratio	Lower	Upper	
75	100		
110	29.0	16.1	48.2
77	29.7	24.5	36.7





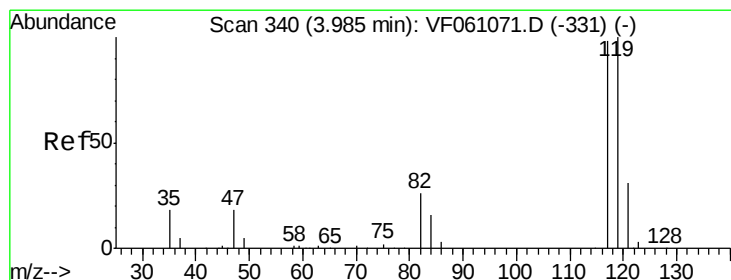
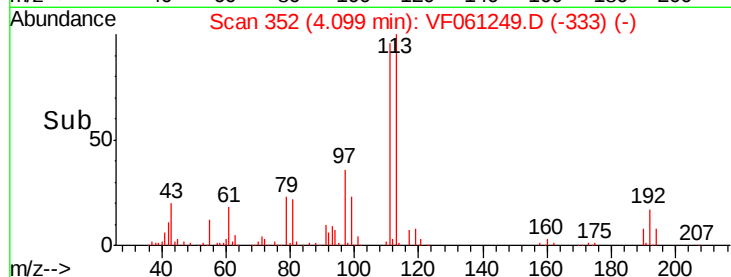
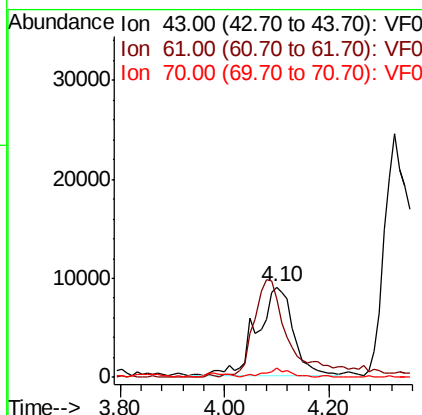
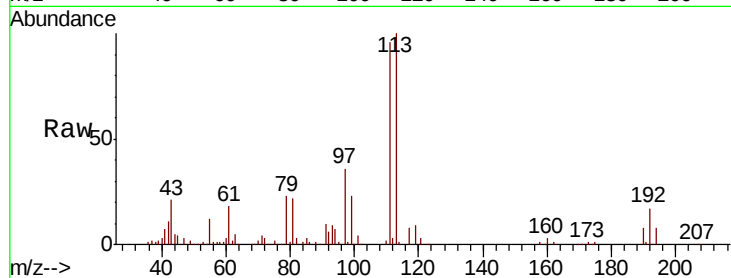
#37
Ethyl Acetate
Concen: 24.223 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	87.0	56.6	84.8#
70	10.2	6.3	9.5#

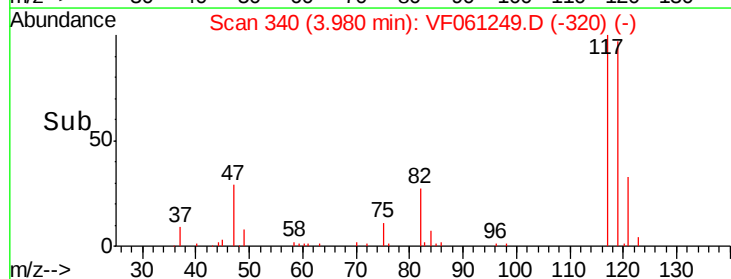
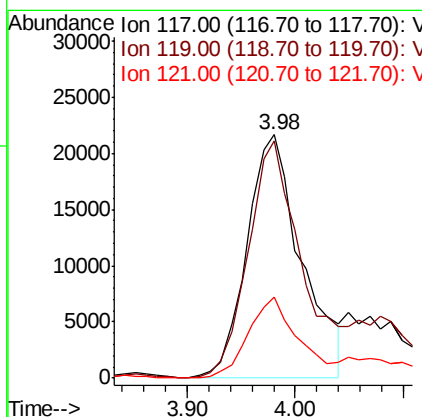
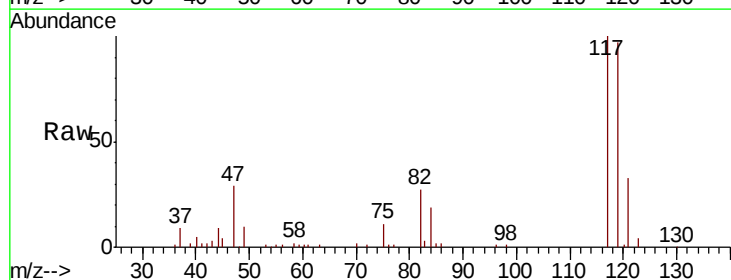
Manual Integrations
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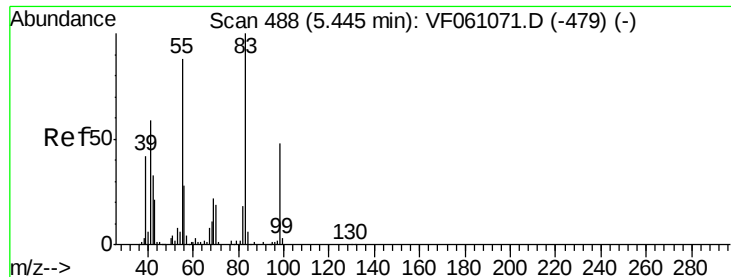
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#38
Carbon Tetrachloride
Concen: 24.538 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	82.1	123.1
121	33.4	25.5	38.3





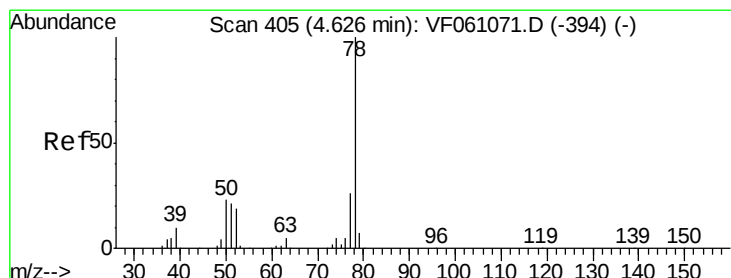
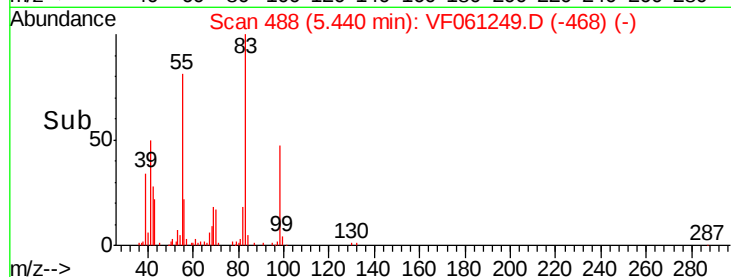
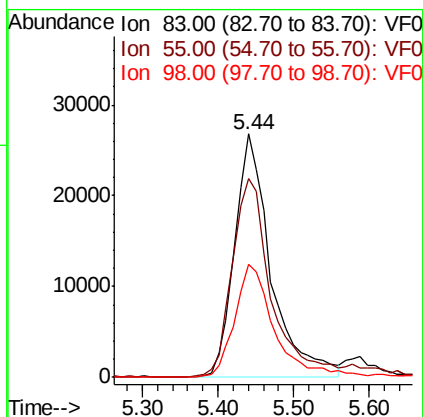
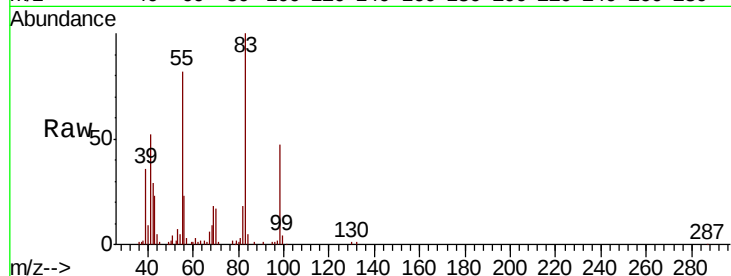
#39
Methylvlcvclohexane
Concen: 24.425 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	70.6	105.8
98	46.6	38.5	57.7

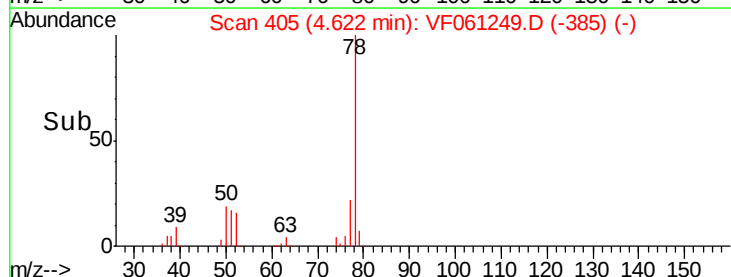
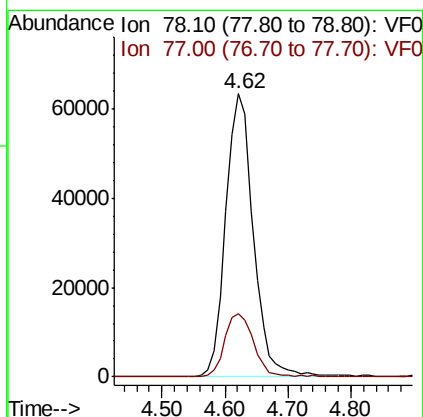
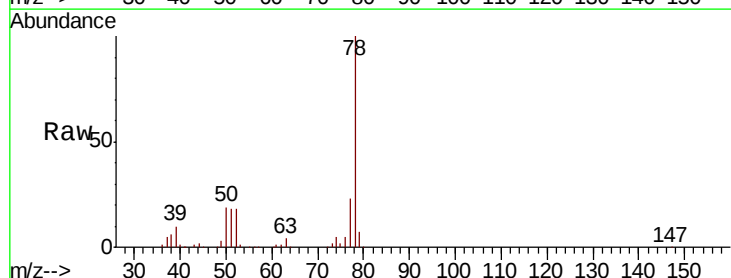
Manual Integrations
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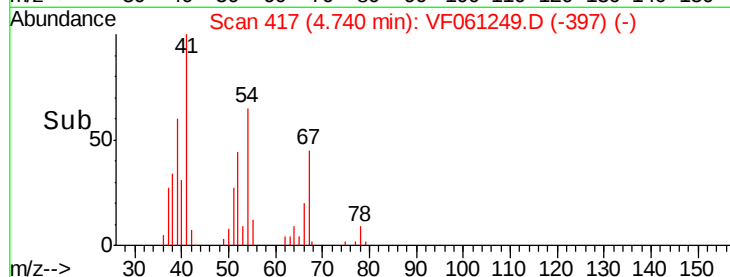
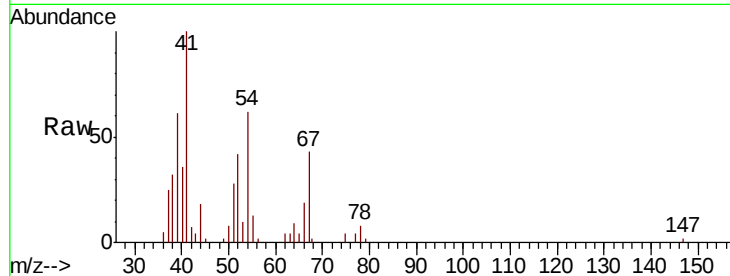
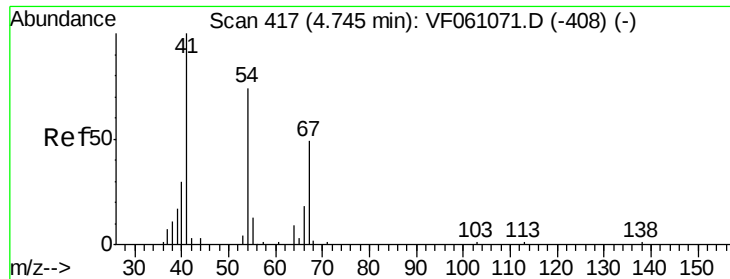
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#40
Benzene
Concen: 21.859 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	20.7	31.1





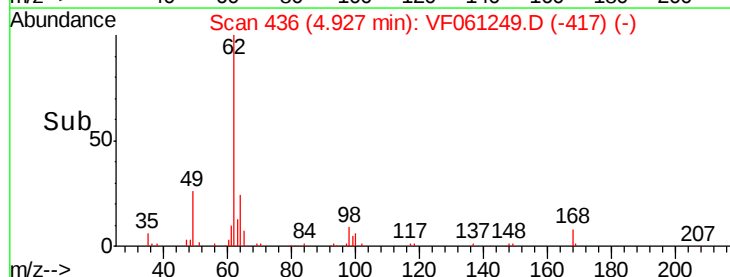
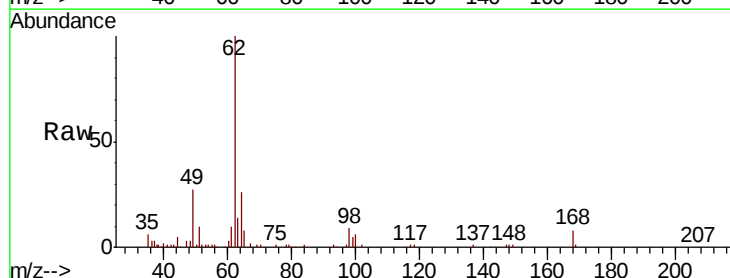
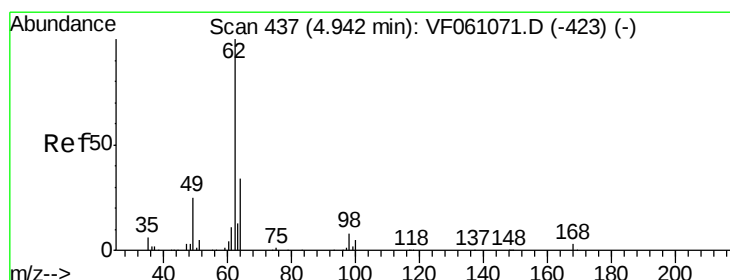
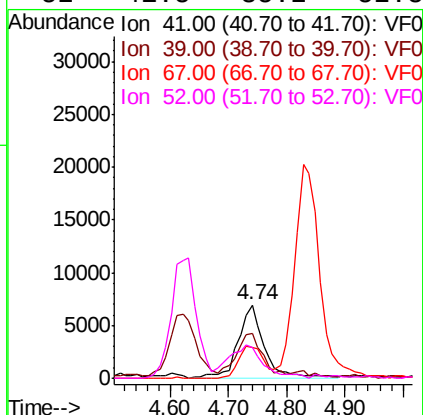
#41
Methacrylonitrile
Concen: 25.267 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.4	45.7	68.5	
67	43.0	38.9	58.3	
52	41.5	35.2	52.8	

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

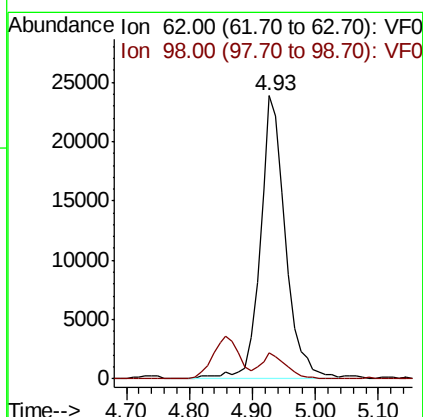
Manual Integrations
APPROVED

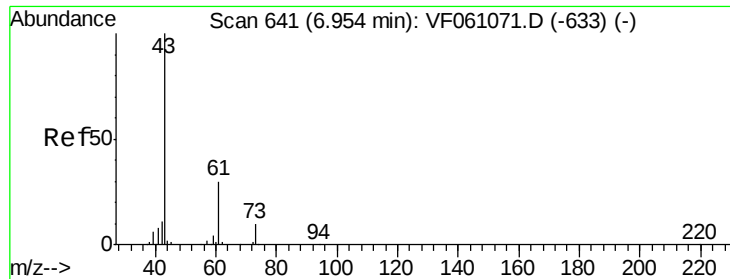
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.877 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	16.6	





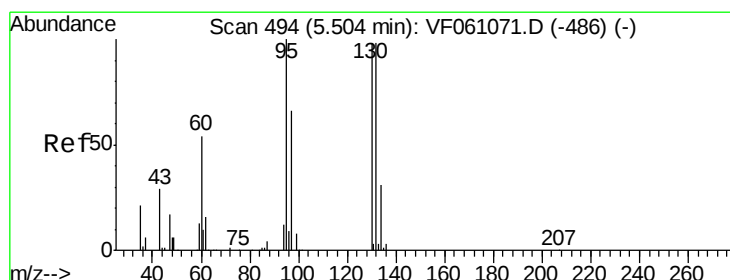
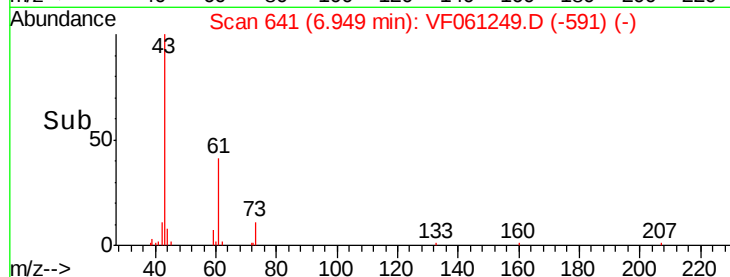
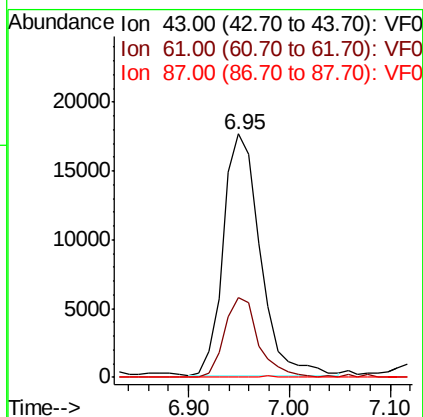
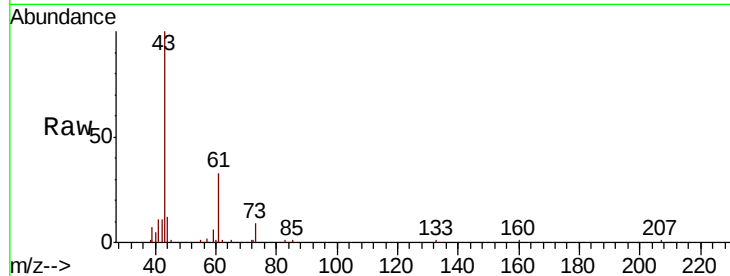
#43
Isopropyl Acetate
Concen: 22.716 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.7	23.8	35.8
87	0.0	0.0	0.0

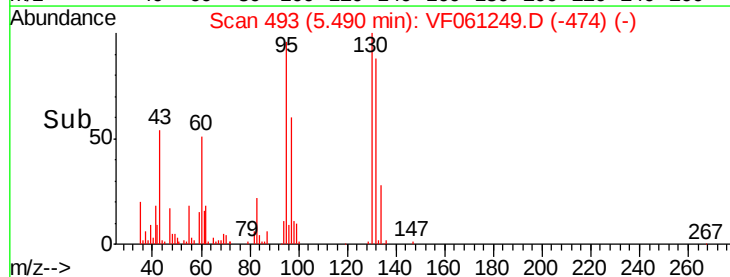
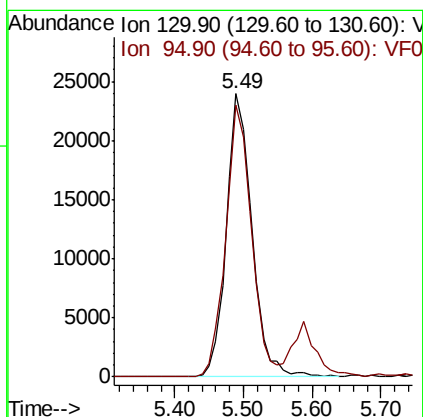
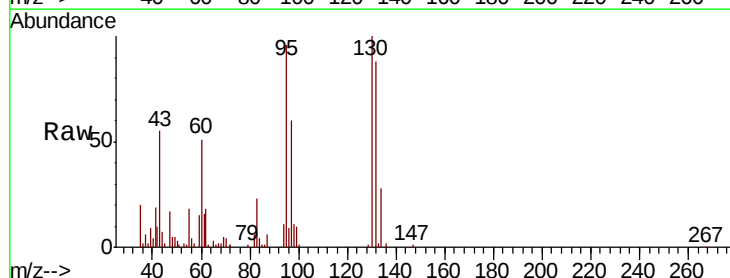
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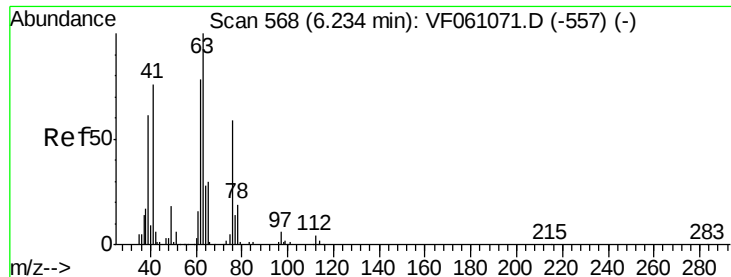
MMDadoda
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#44
Trichloroethene
Concen: 22.312 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	205.2





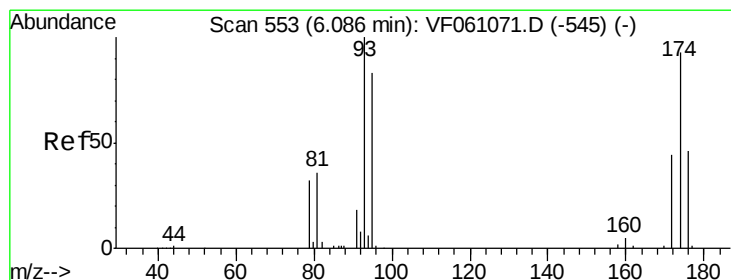
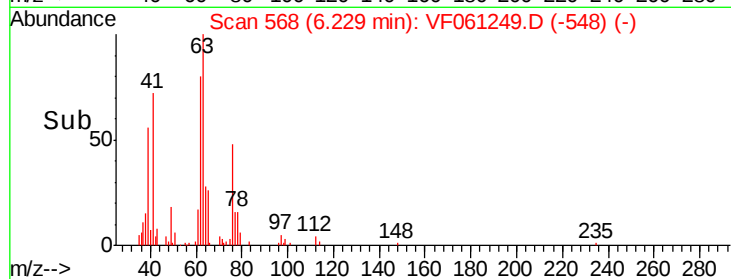
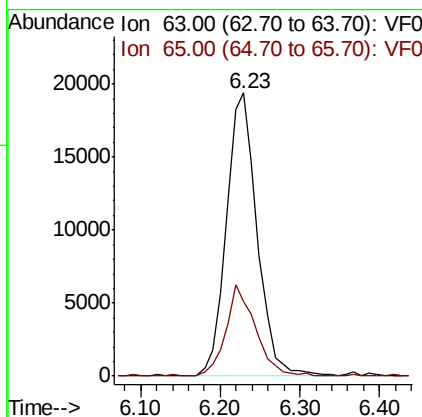
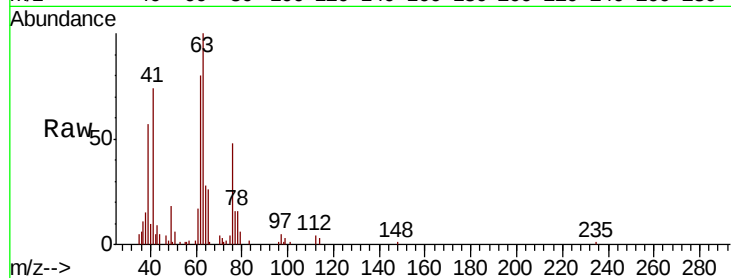
#45
 1,2-Dichloropropane
 Concen: 21.863 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion: 63 Resp: 52298
 Ion Ratio Lower Upper
 63 100
 65 26.2 24.4 36.6

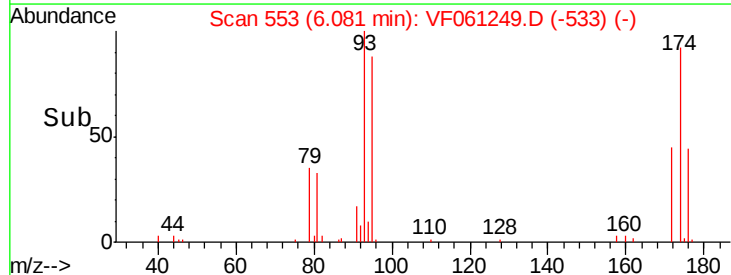
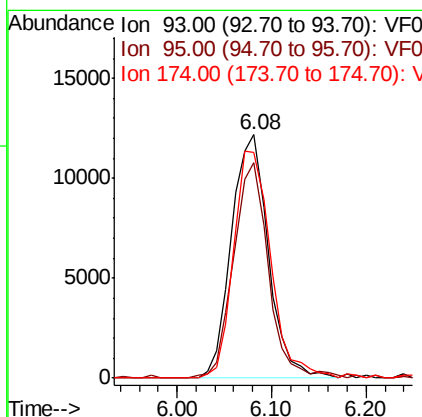
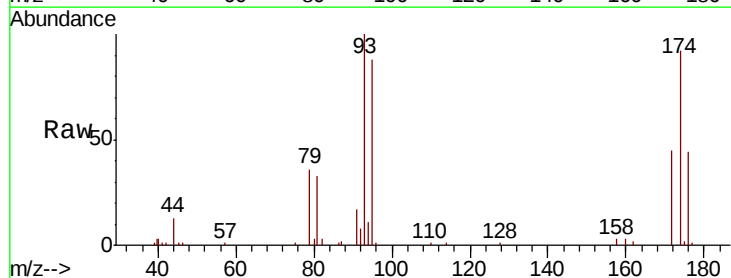
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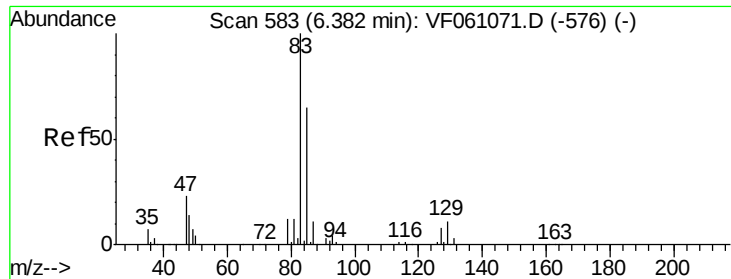
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#46
 Dibromomethane
 Concen: 21.295 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion: 93 Resp: 33038
 Ion Ratio Lower Upper
 93 100
 95 88.4 66.9 100.3
 174 92.5 74.1 111.1





#47

Bromodichloromethane

Concen: 21.241 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

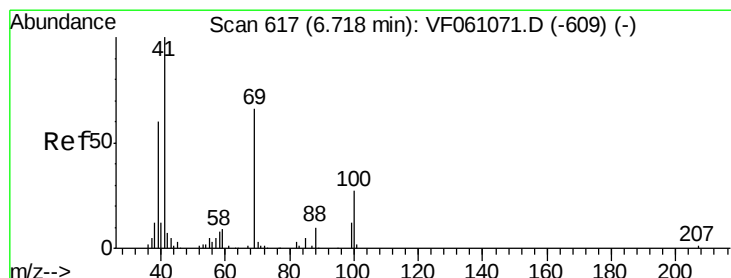
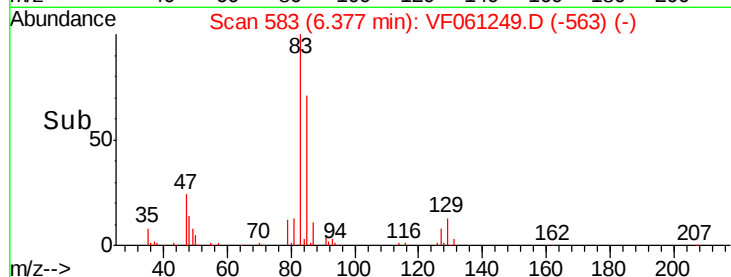
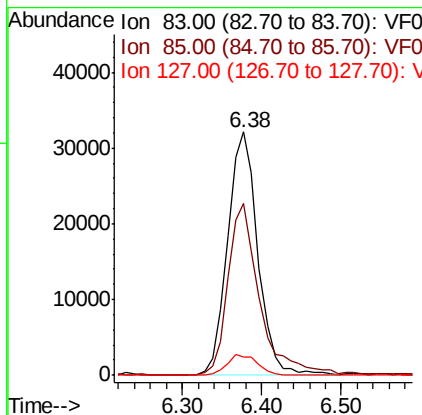
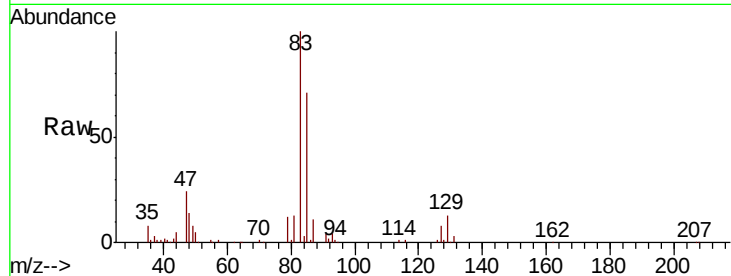
ClientSampleId :

VF0102SBS01

Tot Ion:	83	Resp:	85624
Ion	Ratio	Lower	Upper
83	100		
85	70.6	52.2	78.4
127	7.8	6.1	9.1

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#48

Methyl methacrylate

Concen: 22.248 ug/l

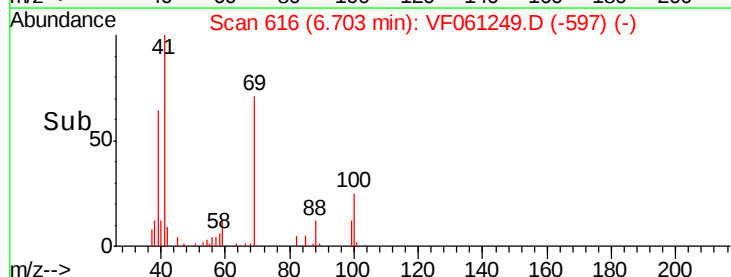
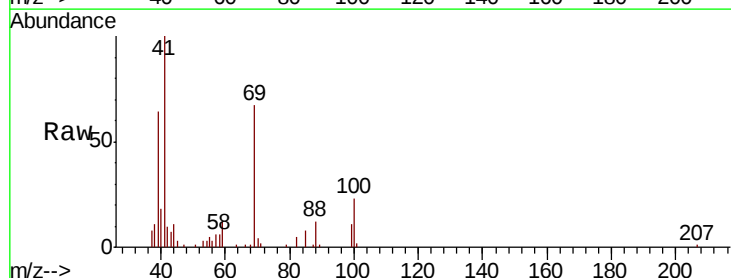
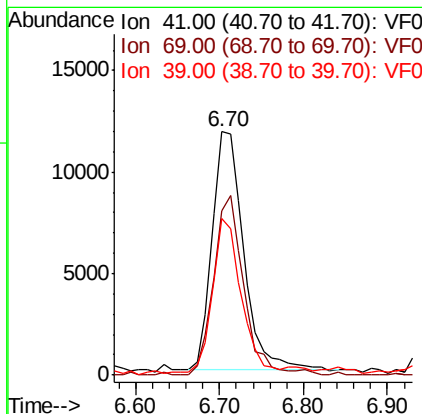
RT: 6.70 min Scan# 616

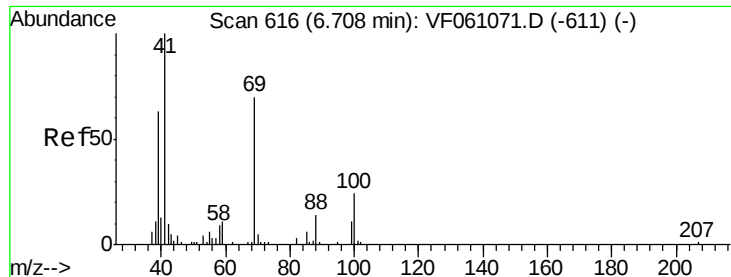
Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	41	Resp:	30661
Ion	Ratio	Lower	Upper
41	100		
69	67.3	52.7	79.1
39	64.4	47.8	71.6





#49

1,4-Dioxane

Concen: 417.317 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

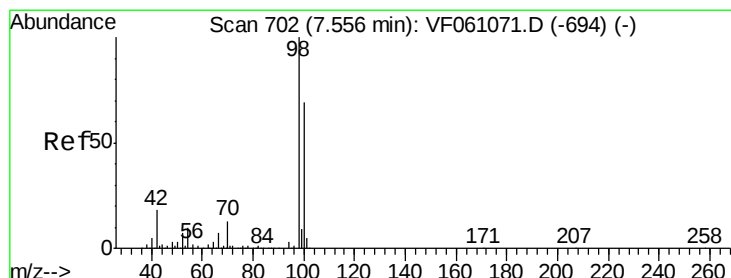
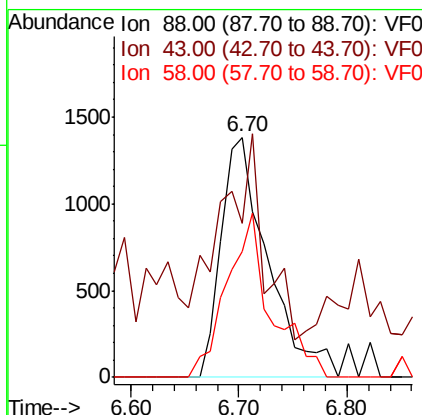
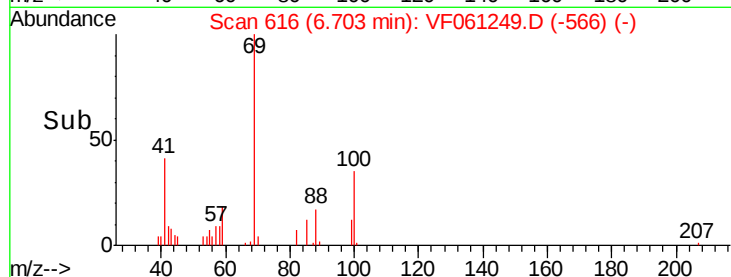
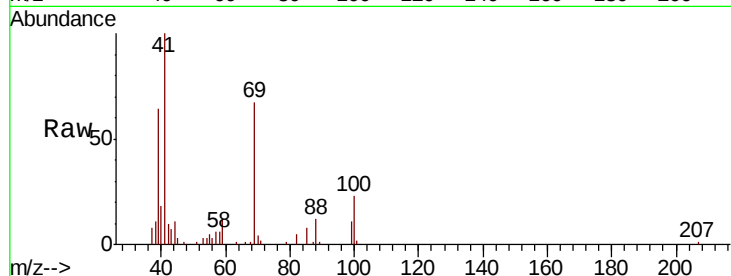
ClientSampleId :

VF0102SBSD01

Tot Ion:	88	Resp:	4173
Ion	Ratio	Lower	Upper
88	100		
43	64.4	33.3	49.9#
58	52.6	53.2	79.8#

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#50

Toluene-d8

Concen: 47.302 ug/l

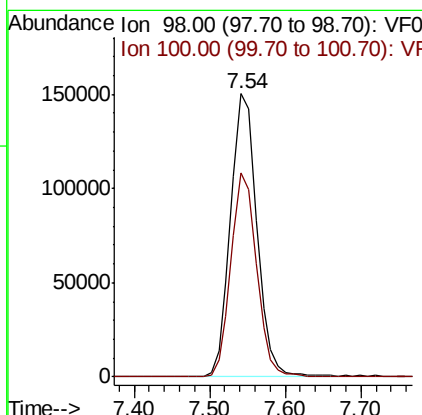
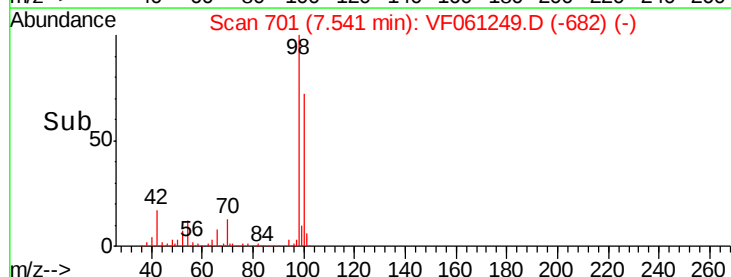
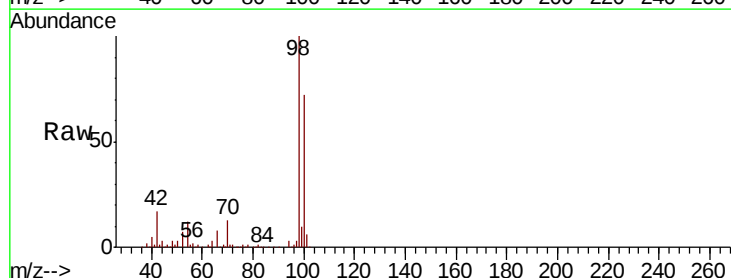
RT: 7.54 min Scan# 701

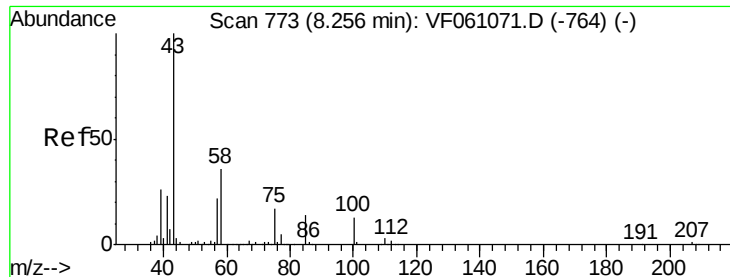
Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	98	Resp:	363699
Ion	Ratio	Lower	Upper
98	100		
100	72.1	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 112.824 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBS01

Tot Ion: 43 Resp: 152749

Ion Ratio Lower Upper

43 100

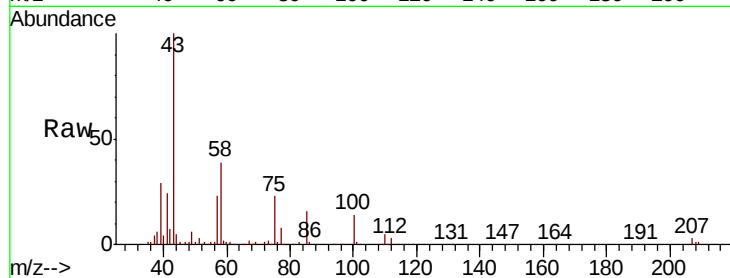
58 39.0 29.1 43.7

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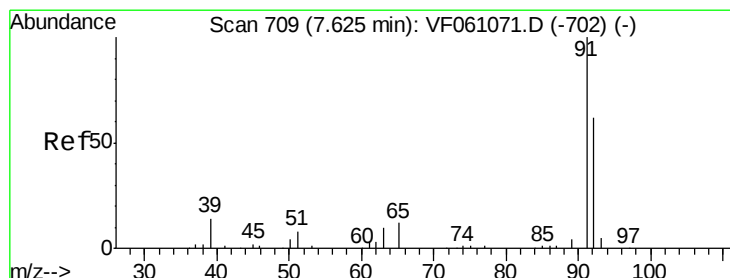
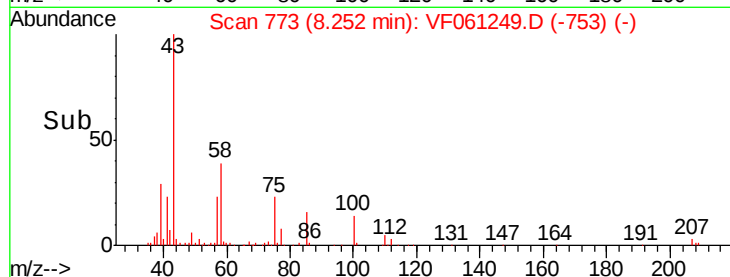
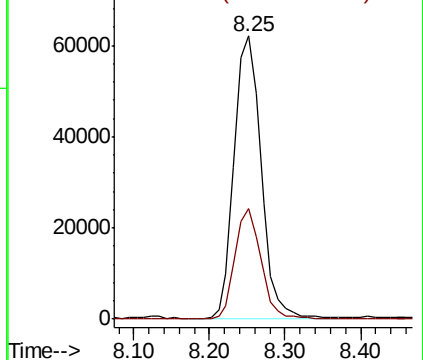
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.999 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061249.D

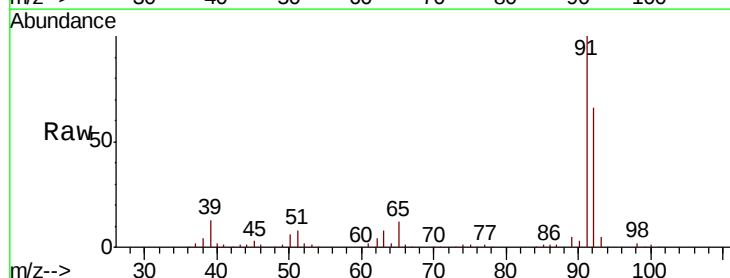
Acq: 2 Jan 2019 12:45

Tgt Ion: 92 Resp: 128033

Ion Ratio Lower Upper

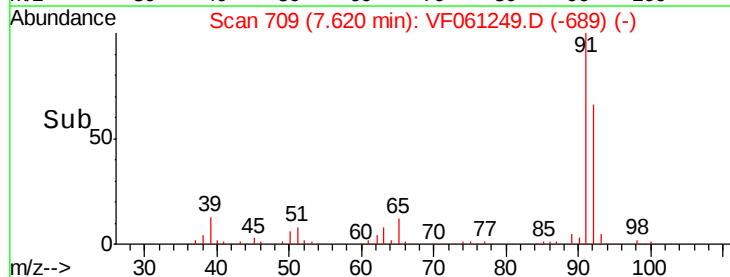
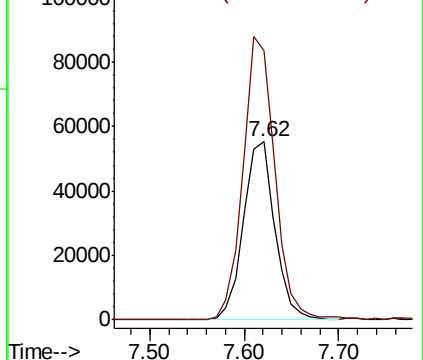
92 100

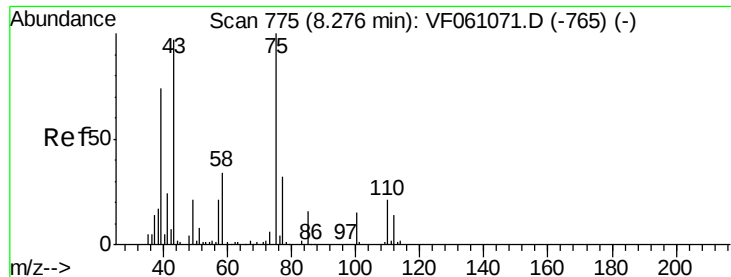
91 151.0 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





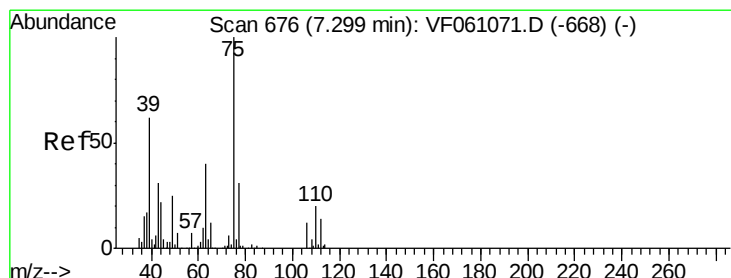
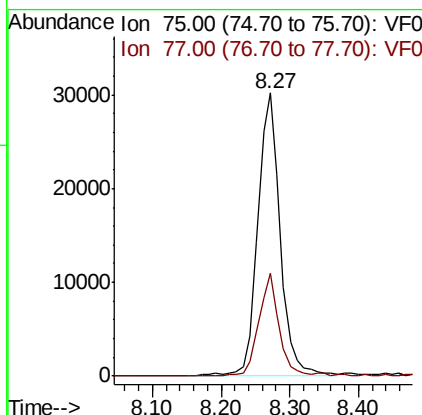
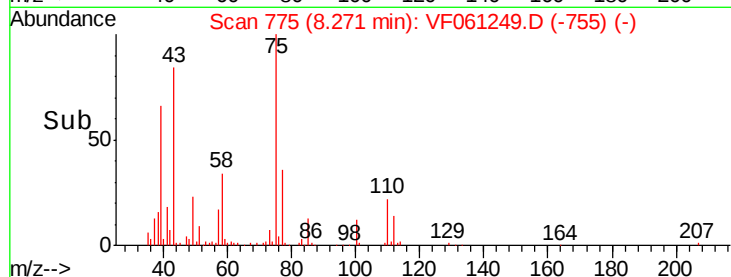
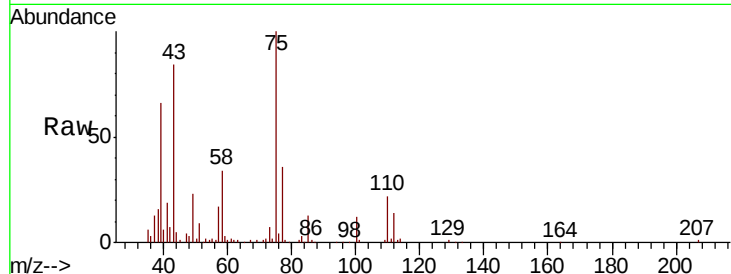
#53
t-1,3-Dichloropropene
Concen: 21.204 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.4	25.8	38.8

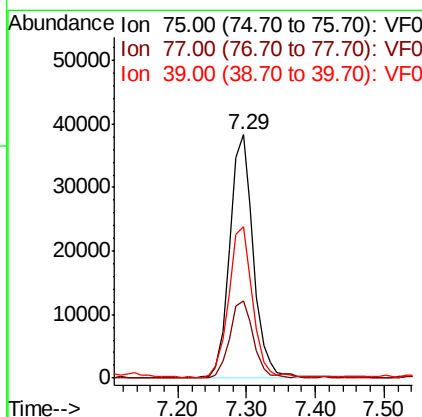
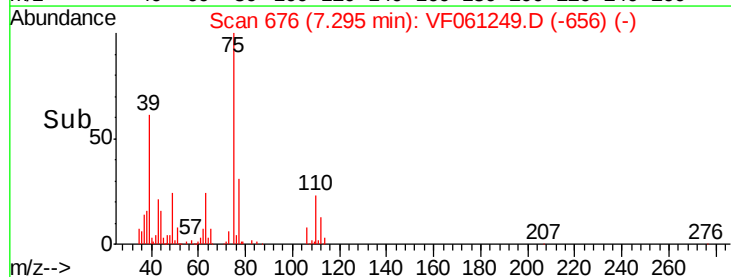
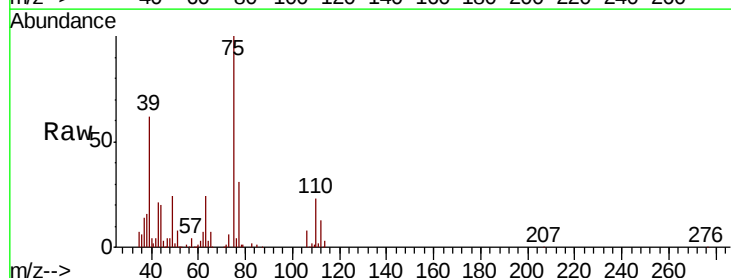
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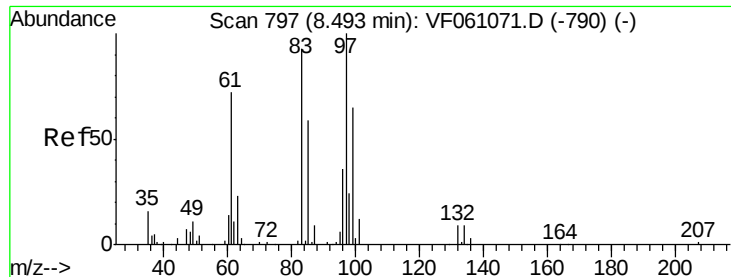
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#54
cis-1,3-Dichloropropene
Concen: 22.365 ug/l
RT: 7.29 min Scan# 676
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	62.0	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 21.289 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

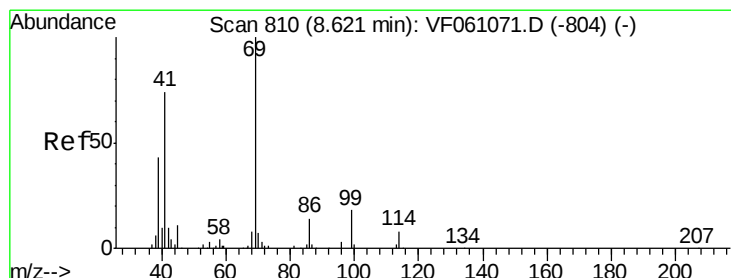
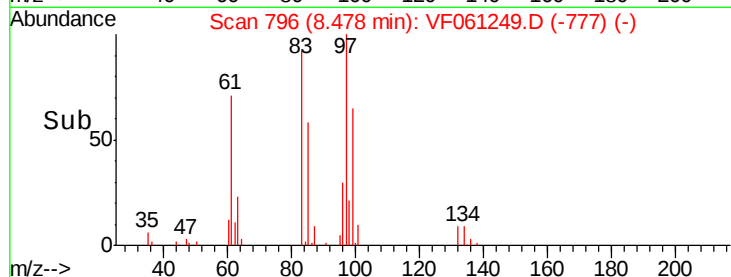
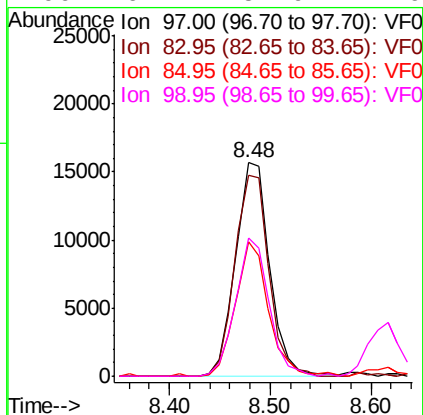
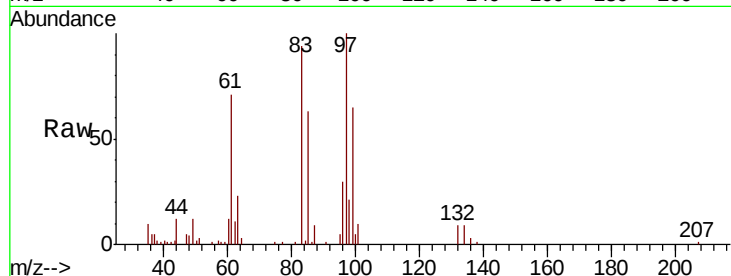
ClientSampleId :

VF0102SBSD01

Tot Ion:	97	Resp:	37144
Ion	Ratio	Lower	Upper
97	100		
83	93.8	75.0	112.4
85	63.1	47.5	71.3
99	64.7	51.9	77.9

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#56

Ethyl methacrylate

Concen: 23.529 ug/l

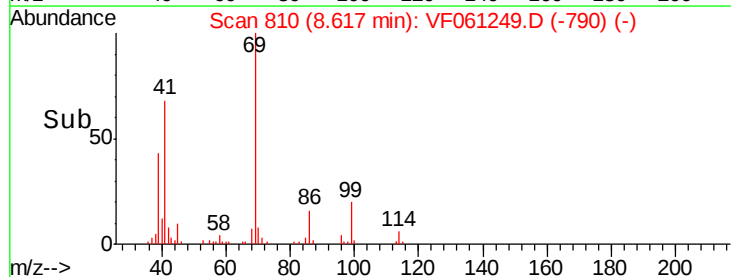
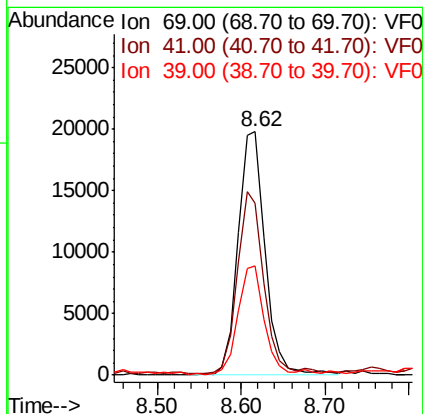
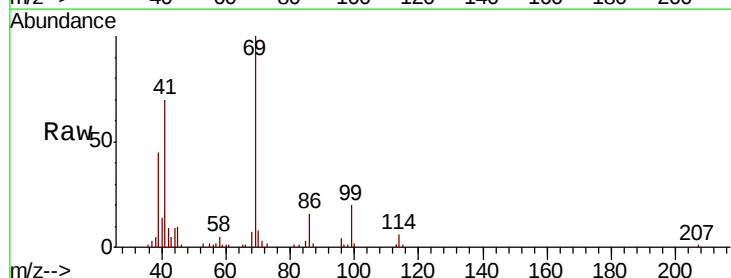
RT: 8.62 min Scan# 810

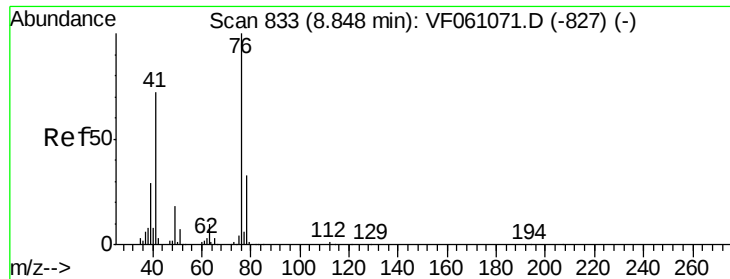
Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion:	69	Resp:	44422
Ion	Ratio	Lower	Upper
69	100		
41	70.5	59.7	89.5
39	44.6	35.0	52.6





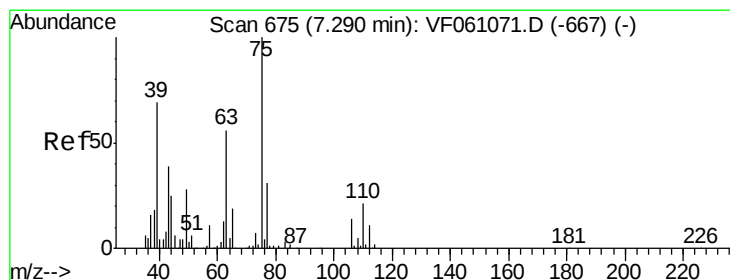
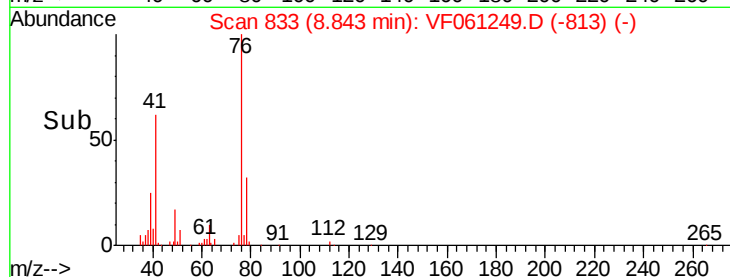
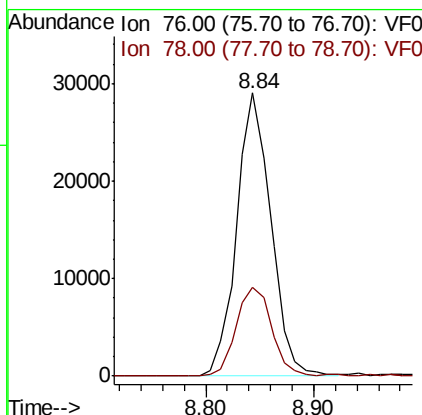
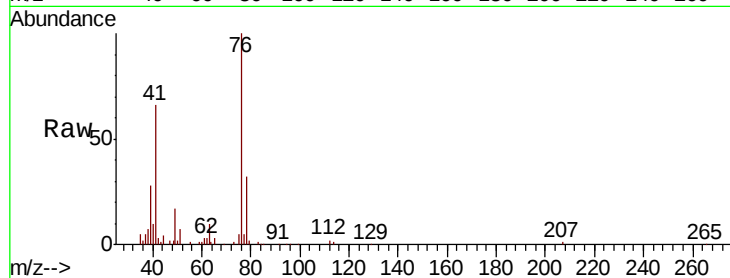
#57
 1,3-Dichloropropane
 Concen: 20.351 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion: 76 Resp: 64220
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.5 39.7

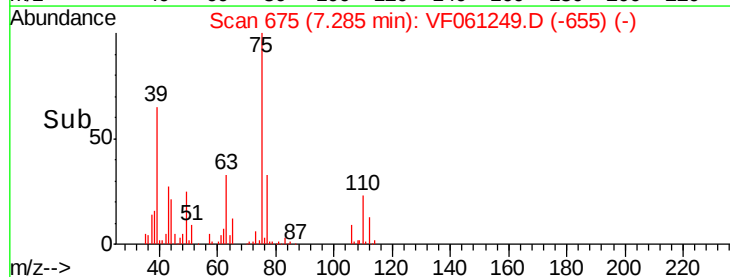
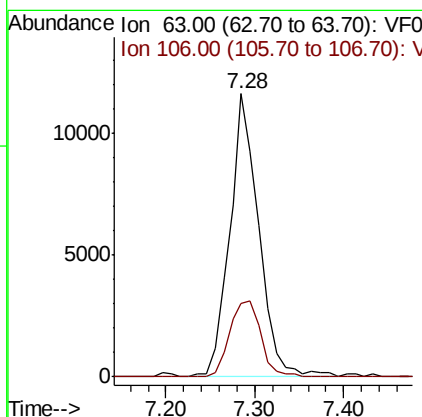
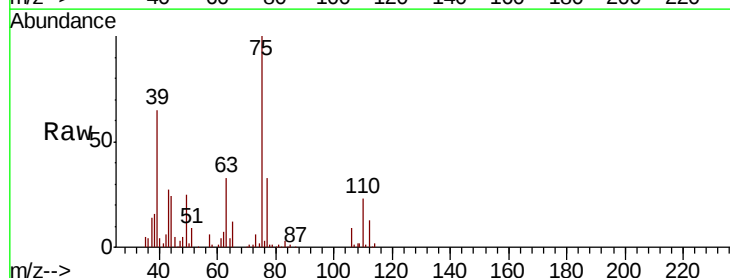
Manual Integrations
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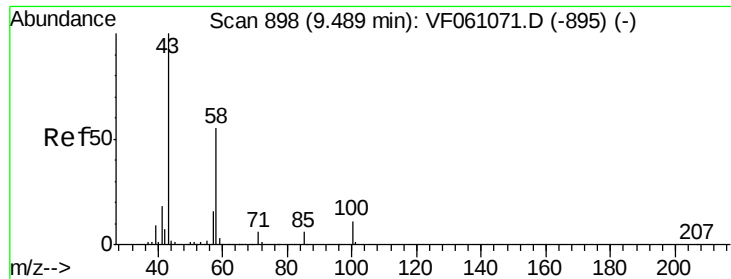
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 1/3/2019 3:08:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 73.127 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion: 63 Resp: 26515
 Ion Ratio Lower Upper
 63 100
 106 26.1 19.8 29.8





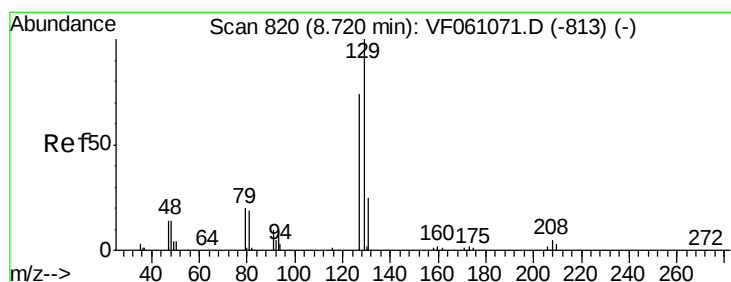
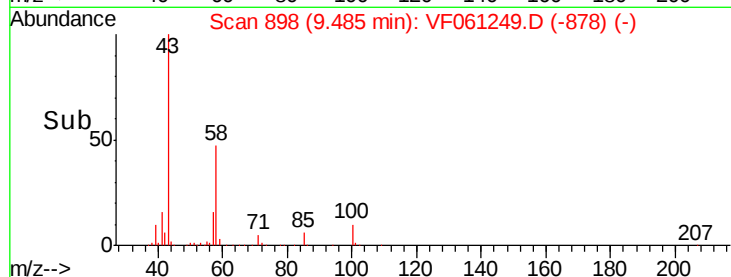
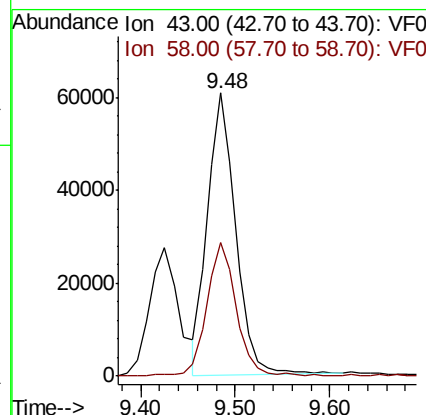
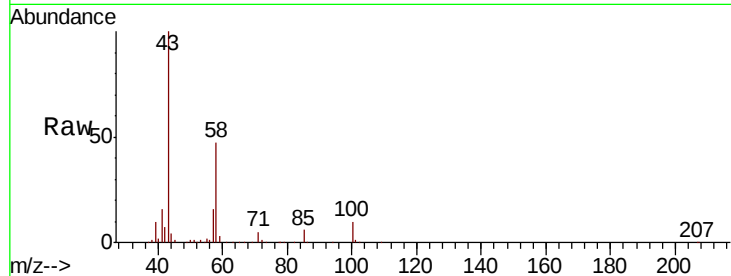
#59
2-Hexanone
Concen: 128.357 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	43	Resp	125673
Ion Ratio	43	100	
Lower	58	47.3	25.1
Upper			75.2

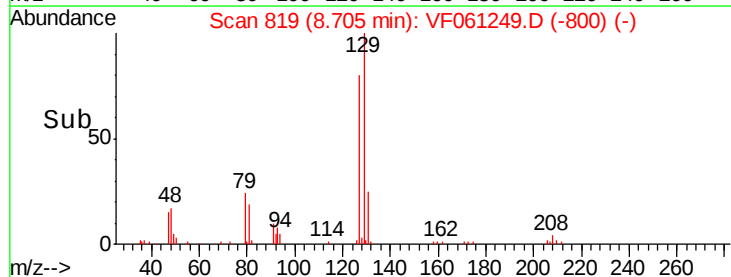
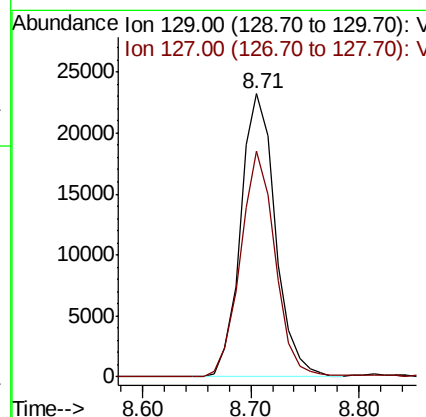
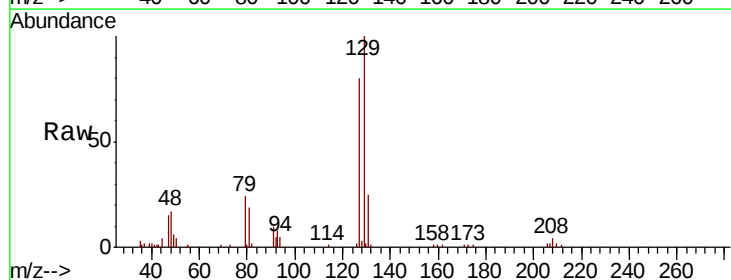
Manual Integrations
APPROVED

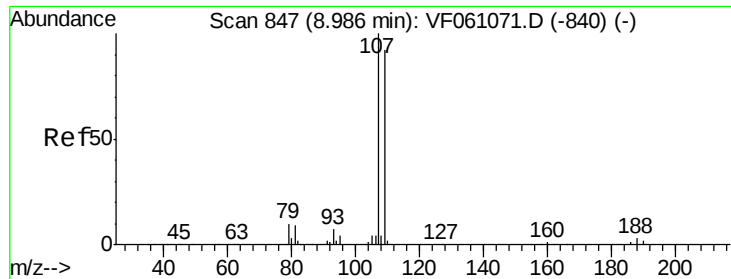
MMDadoda
1/3/2019 3:08:22 PM



#60
Dibromochloromethane
Concen: 20.758 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	129	Resp	51916
Ion Ratio	129	100	
Lower	127	79.7	36.8
Upper			110.3





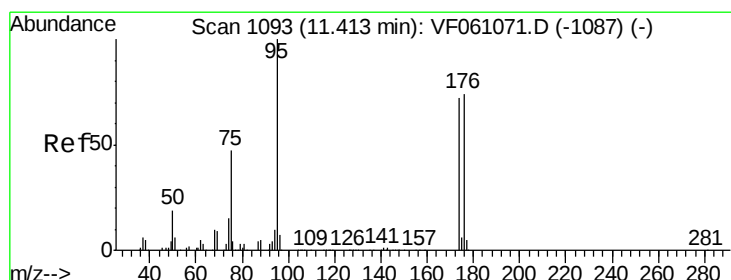
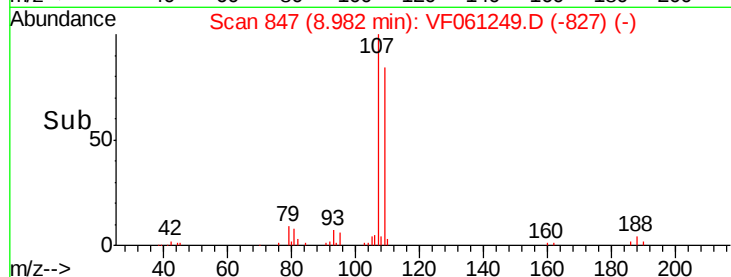
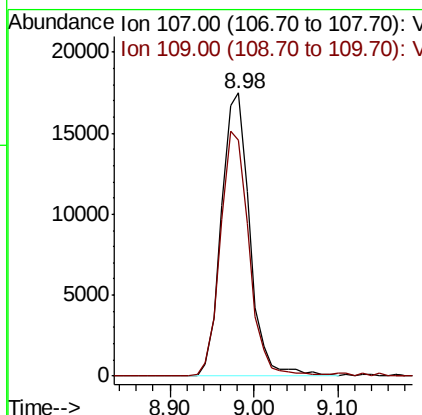
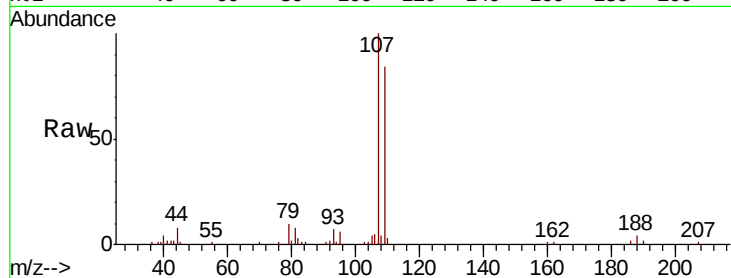
#61
1,2-Dibromoethane
Concen: 21.968 ug/l
RT: 8.98 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion:107 Resp: 40934
Ion Ratio Lower Upper
107 100
109 83.5 73.7 110.5

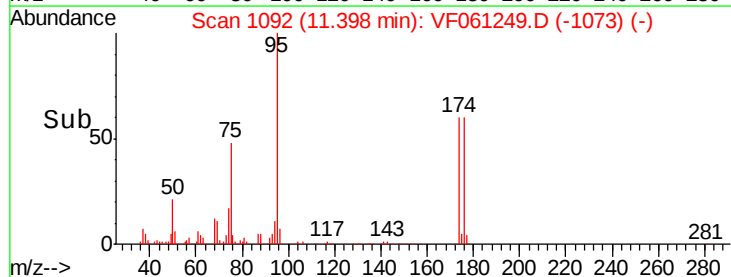
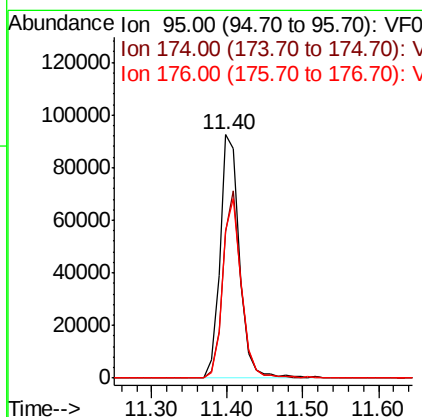
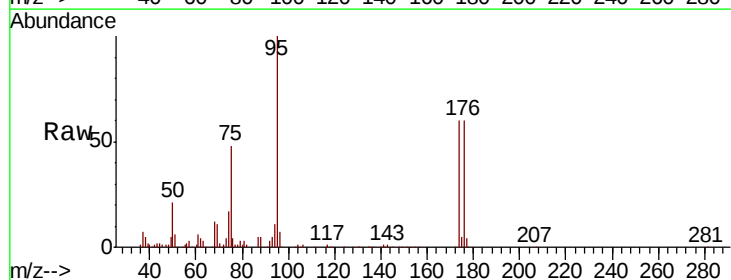
Manual Integrations
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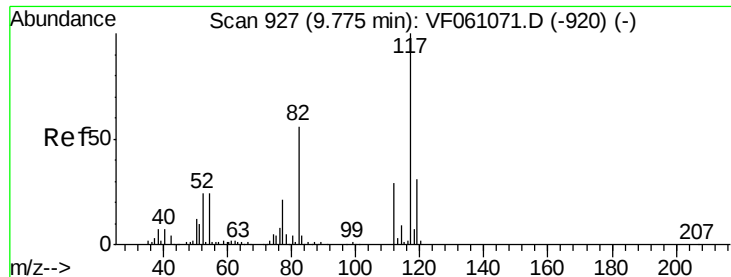
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 95 Resp: 166808
Ion Ratio Lower Upper
95 100
174 60.3 0.0 143.8
176 60.4 0.0 147.6





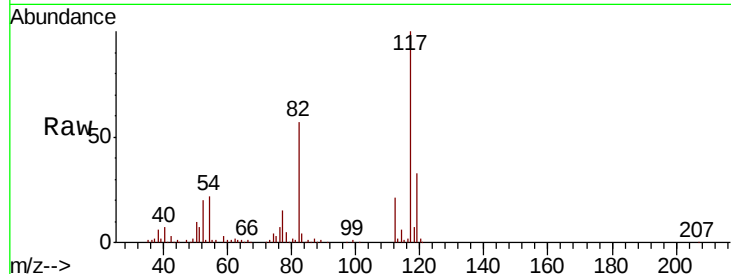
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	56.5	45.0	67.4	
119	33.2	24.8	37.2	

Manual Integrations
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MMDadoda
1/3/2019 3:08:22 PM

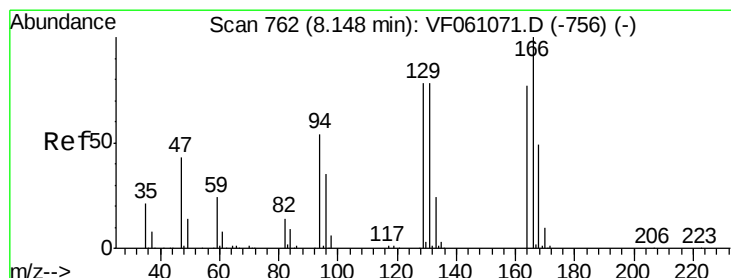
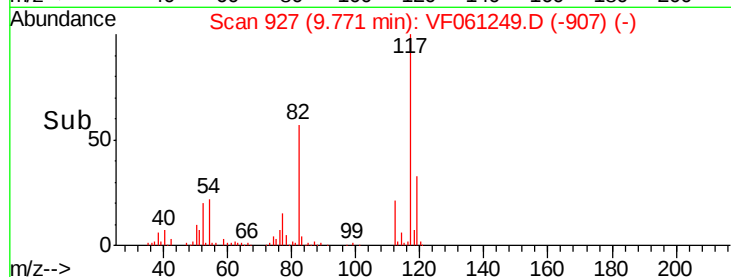
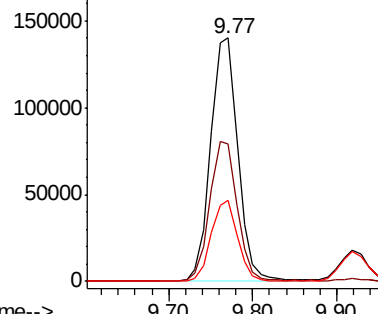


Abundance

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: 21.482 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.7	104.0	156.0	
129	92.2	81.1	121.7	
131	94.7	81.2	121.8	

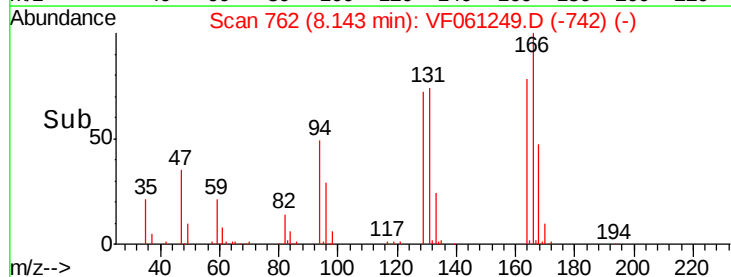
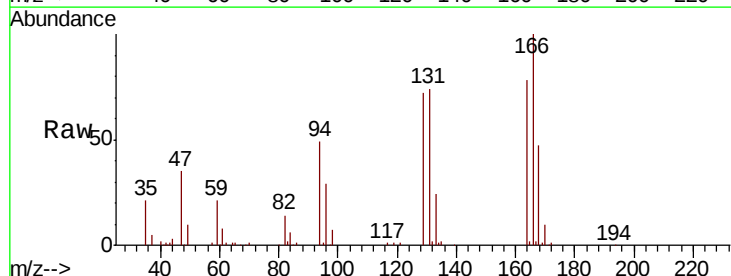
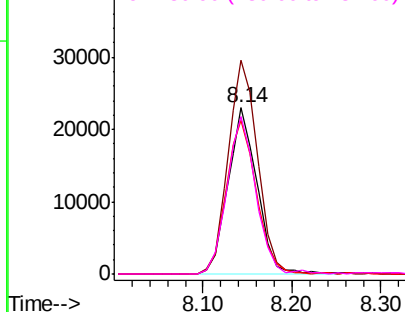
Abundance

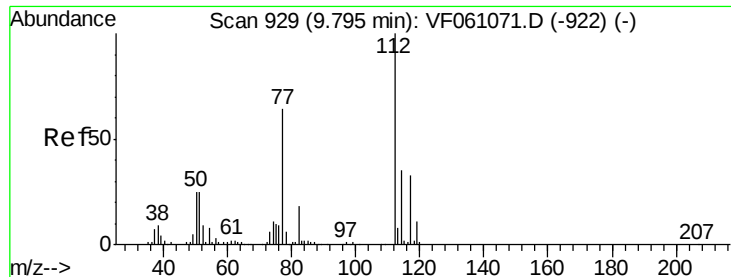
Ion 163.85 (163.55 to 164.55): V

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





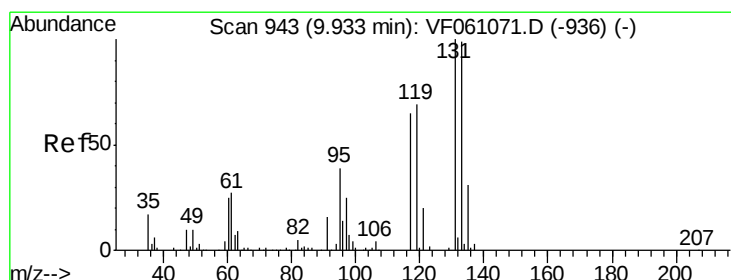
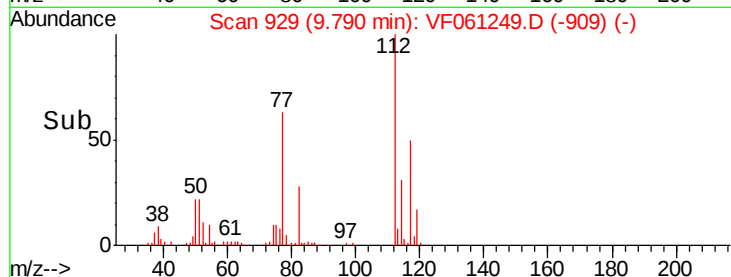
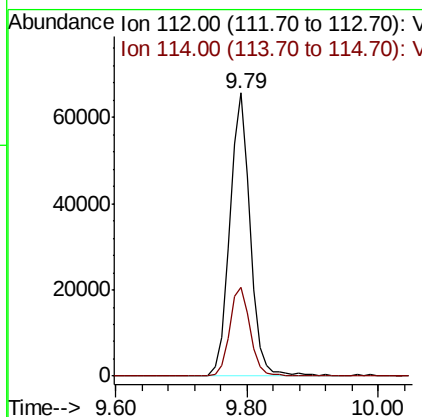
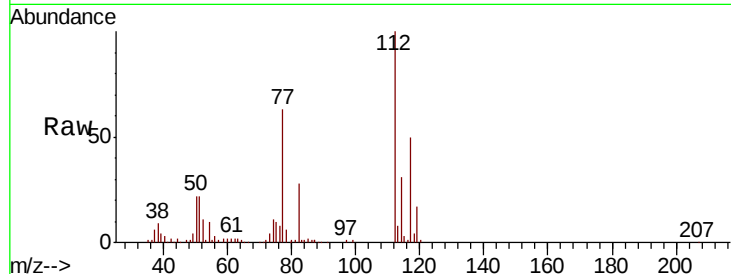
#65
Chlorobenzene
Concen: 21.739 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.8	41.6

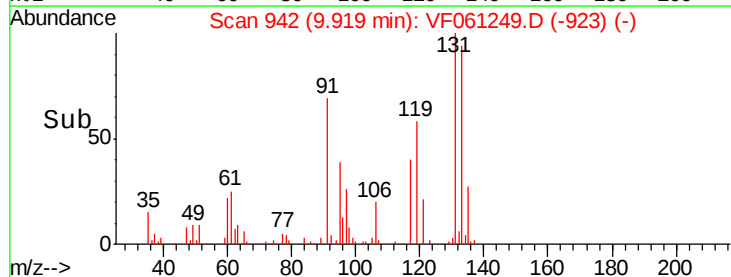
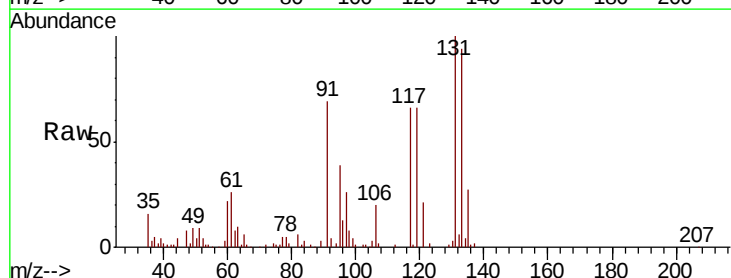
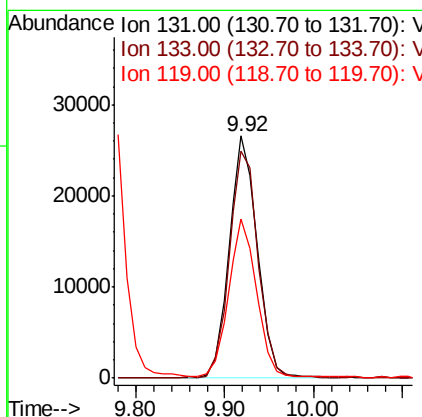
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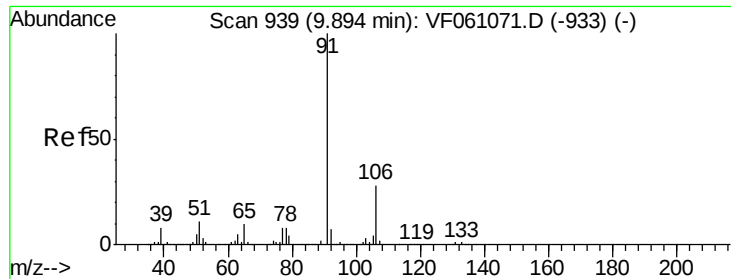
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.779 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	49.5	148.7
119	65.9	34.5	103.5





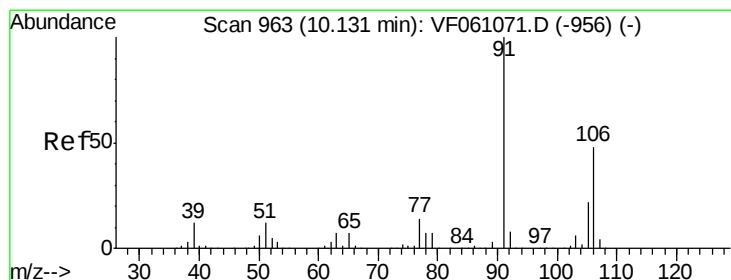
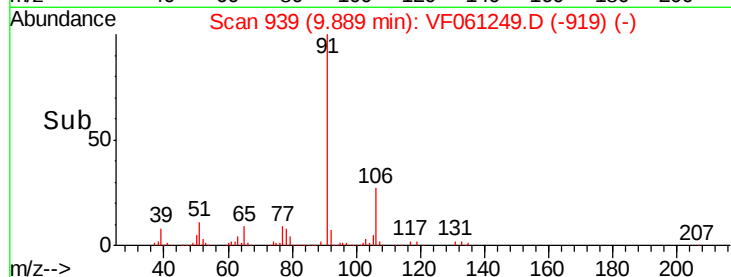
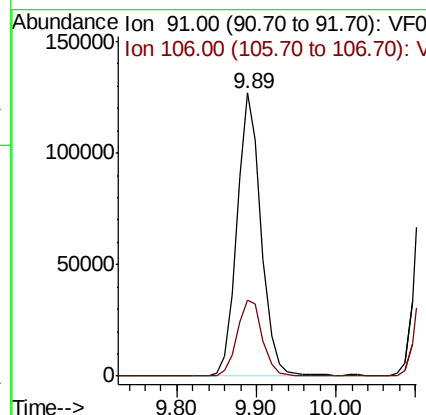
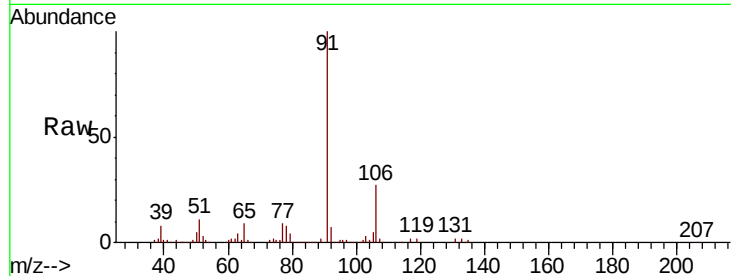
#67
Ethyl Benzene
Concen: 22.290 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion: 91 Resp: 267172
Ion Ratio Lower Upper
91 100
106 26.8 22.5 33.7

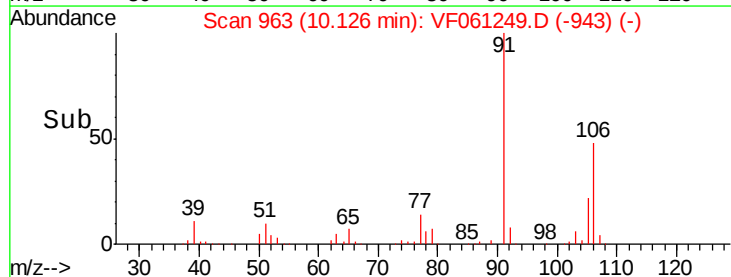
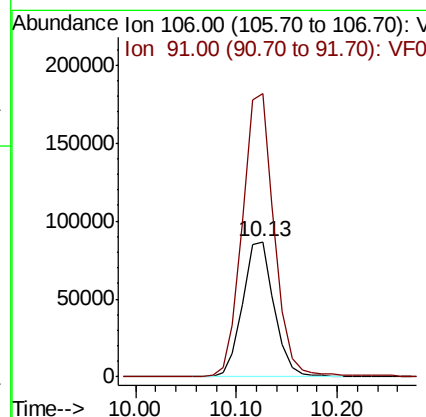
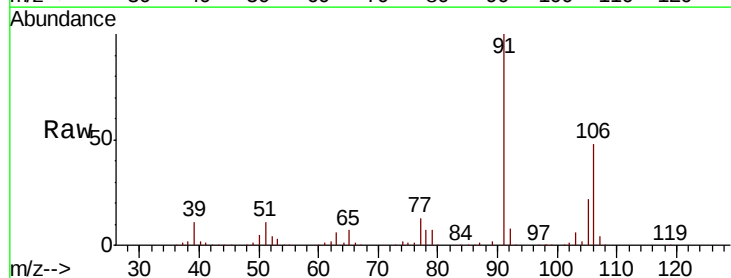
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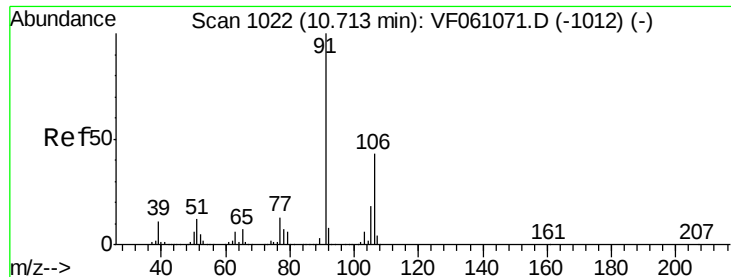
MMDadoda
1/3/2019 3:08:22 PM



#68
m/p-Xylenes
Concen: 44.796 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 106 Resp: 188953
Ion Ratio Lower Upper
106 100
91 209.2 168.2 252.2





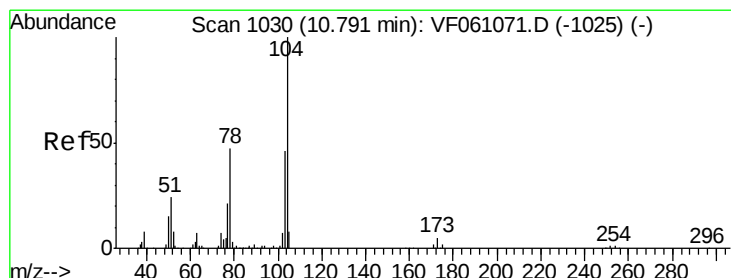
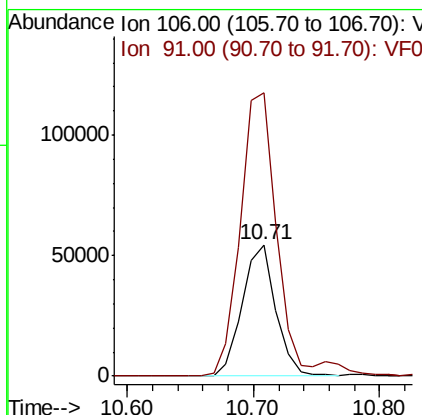
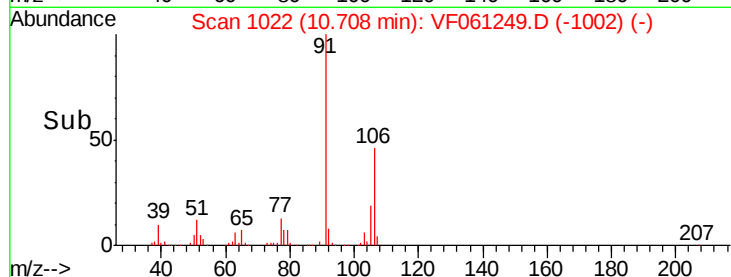
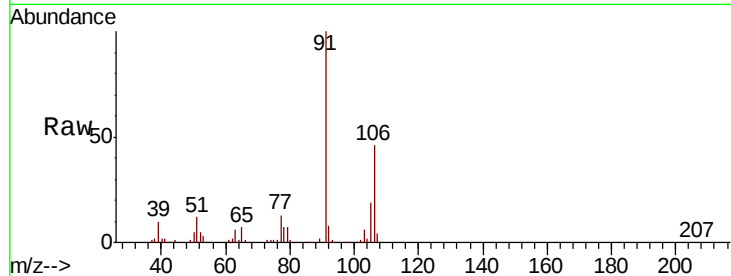
#69
o-Xylene
Concen: 21.570 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	115.9	347.7

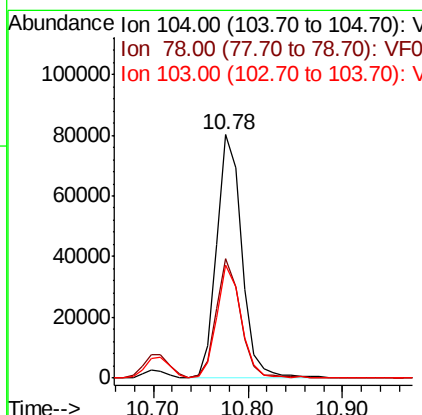
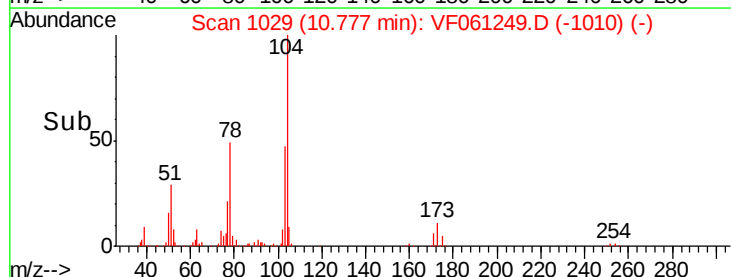
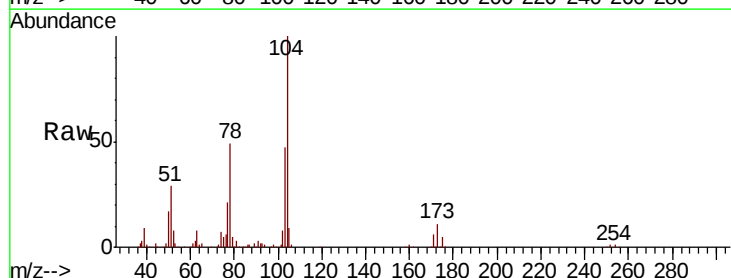
Manual Integrations
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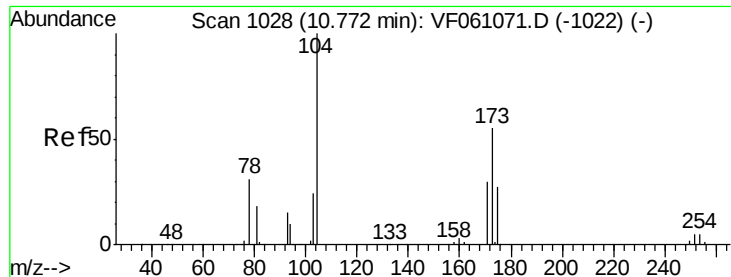
MMDadoda
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#70
Styrene
Concen: 23.437 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.4	57.6
103	46.6	37.0	55.6





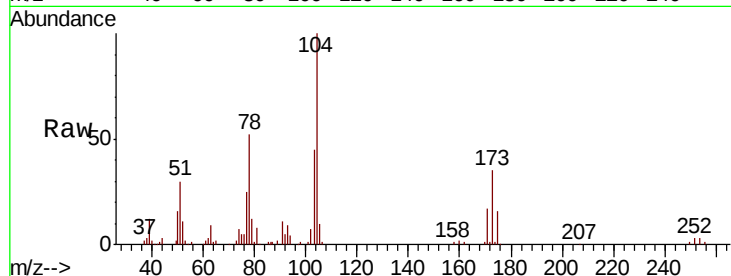
#71
Bromoform
Concen: 23.474 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.4
254	8.8	0.0	0.0#

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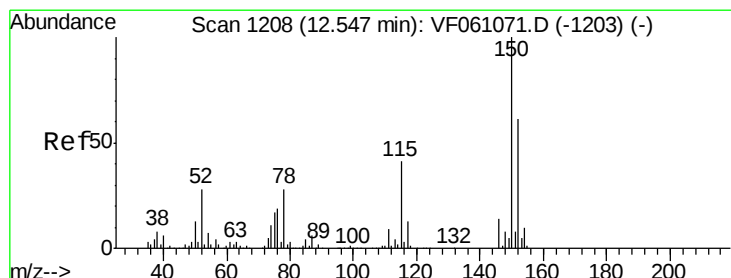
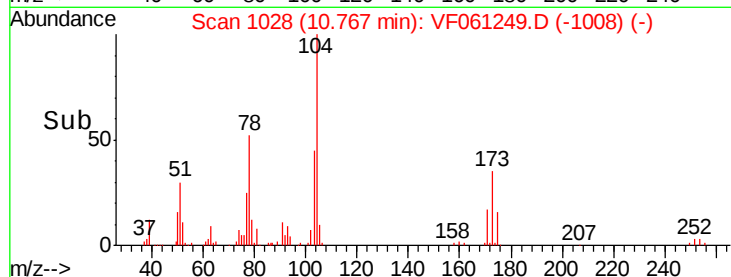
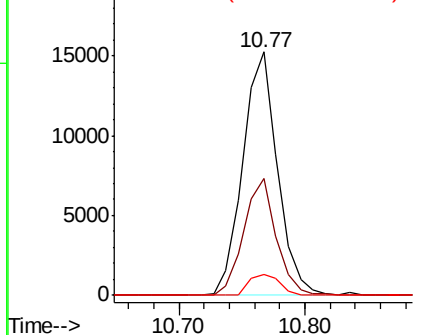


Abundance

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# 1208
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

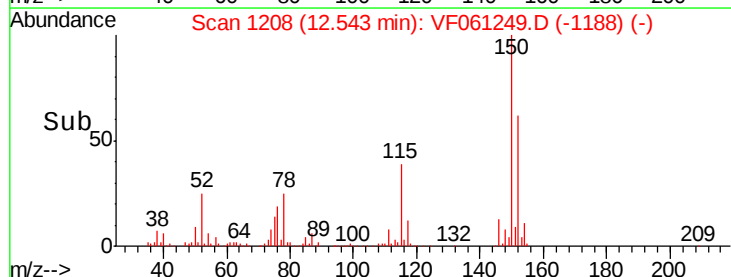
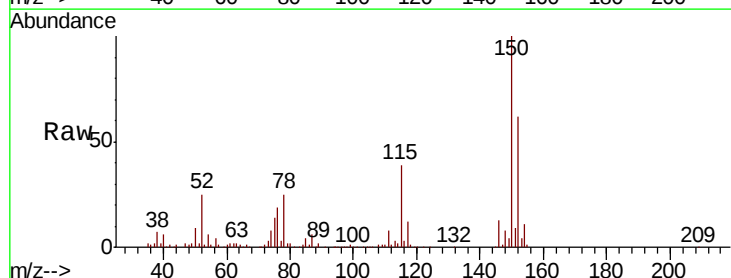
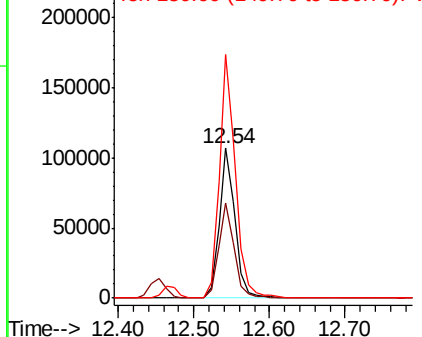
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	33.3	99.9
150	162.3	0.0	328.2

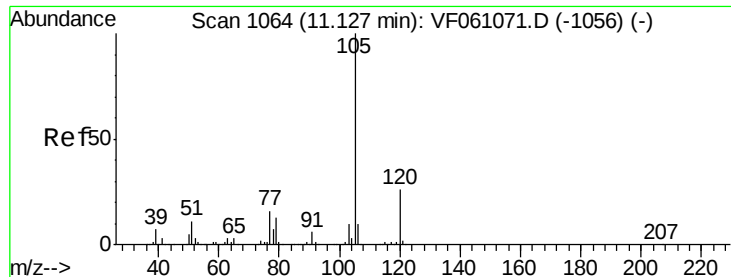
Abundance

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: 22.929 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion:105 Resp: 309242

Ion Ratio Lower Upper

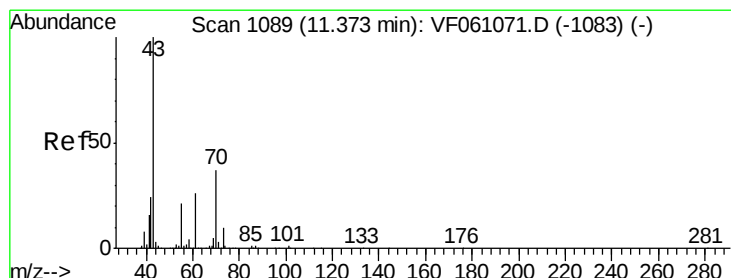
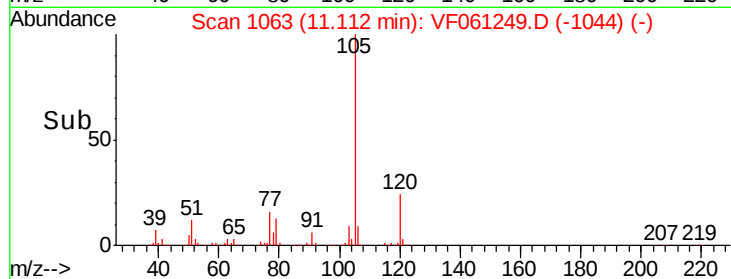
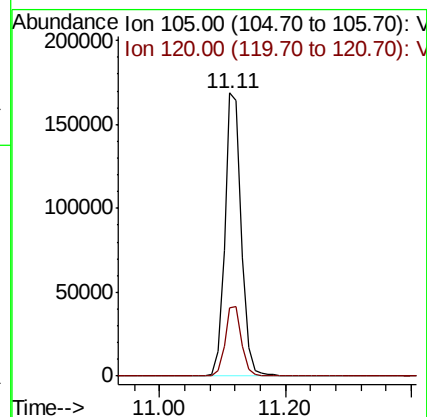
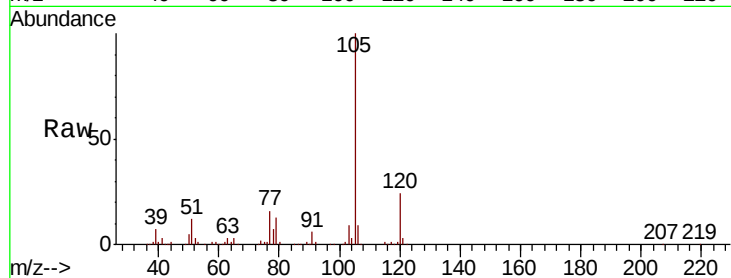
105 100

120 24.0 13.0 39.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 25.137 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion: 43 Resp: 75268

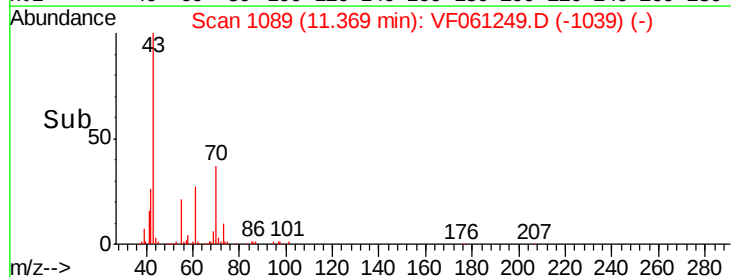
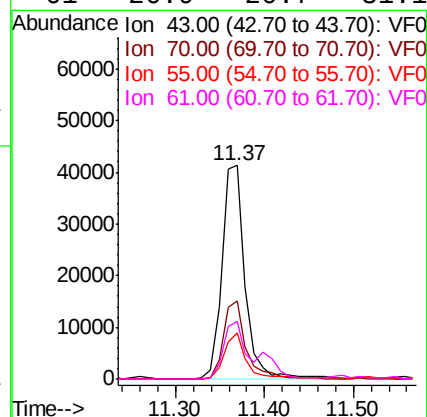
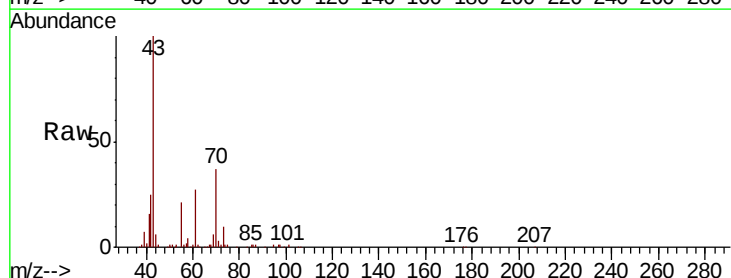
Ion Ratio Lower Upper

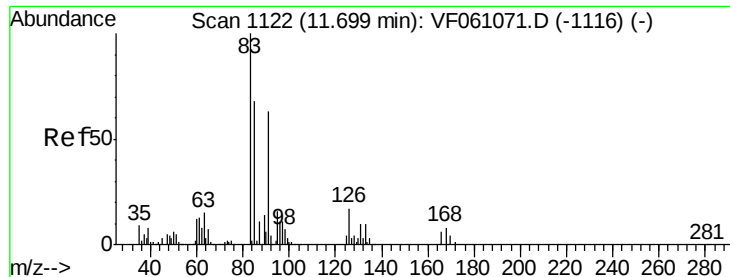
43 100

70 36.8 29.2 43.8

55 21.4 16.5 24.7

61 26.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.988 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 83 Resp: 53693

Ion Ratio Lower Upper

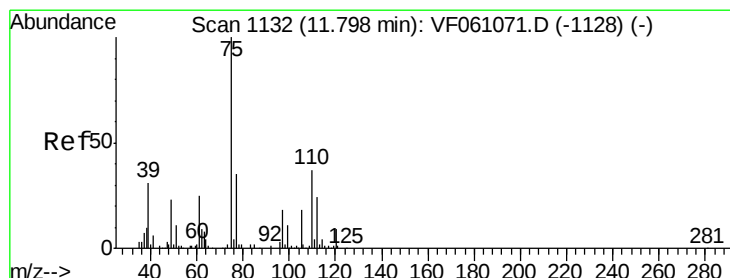
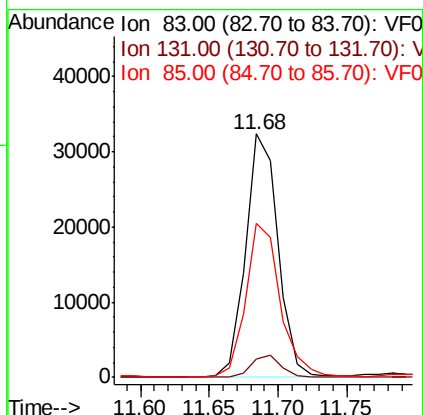
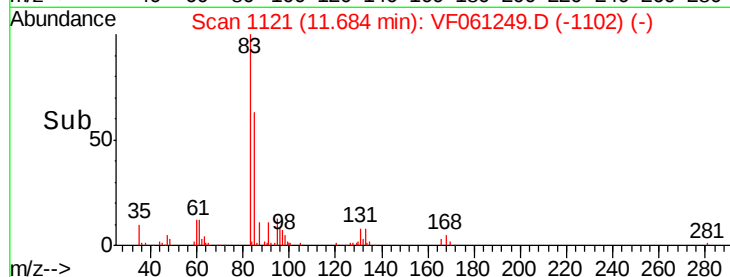
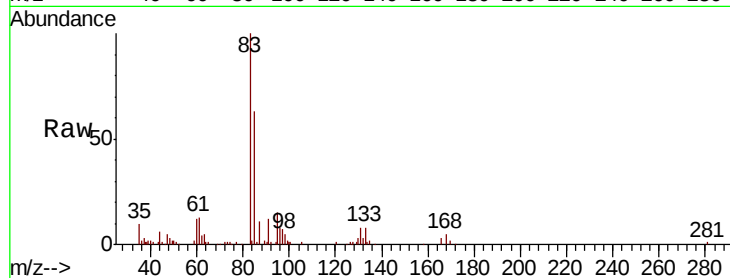
83 100

131 7.5 4.8 14.3

85 63.0 33.9 101.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.274 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061249.D

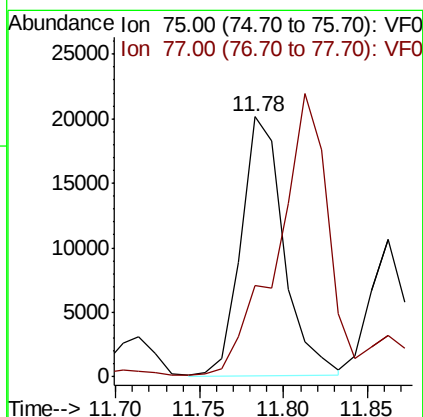
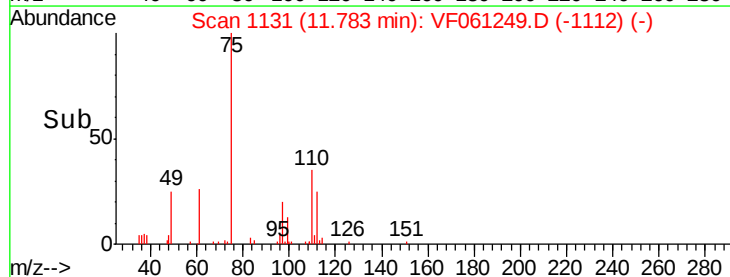
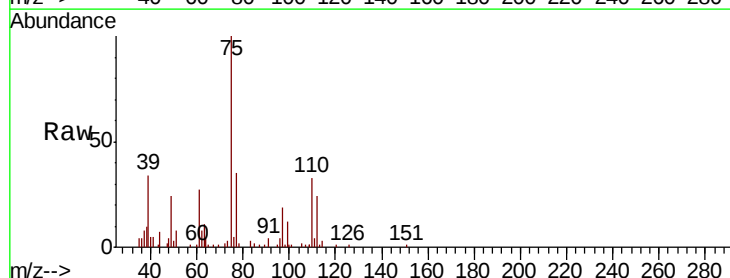
Acq: 2 Jan 2019 12:45

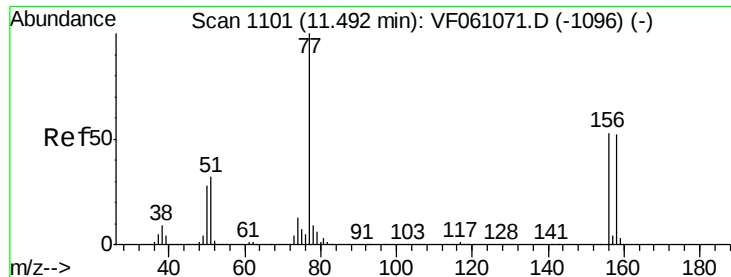
Tgt Ion: 75 Resp: 35438

Ion Ratio Lower Upper

75 100

77 34.9 17.6 52.9





#77

Bromobenzene

Concen: 22.824 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

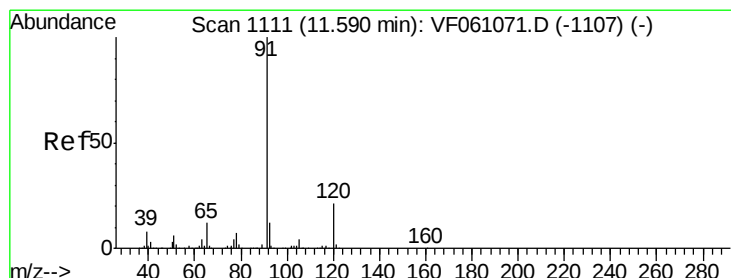
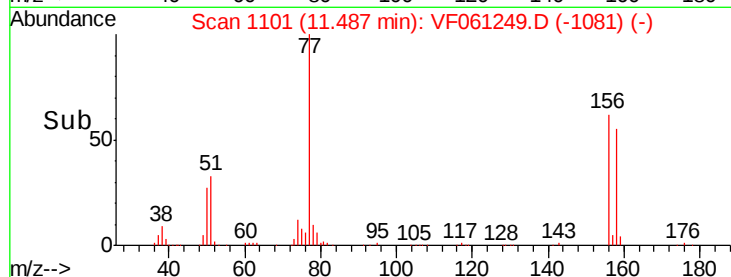
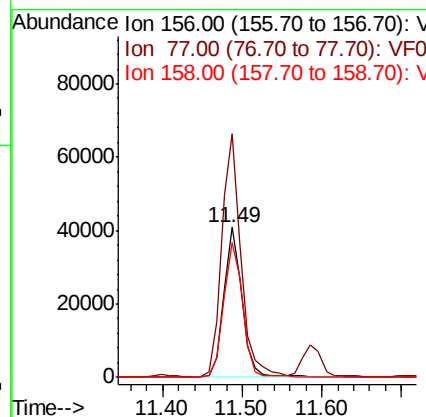
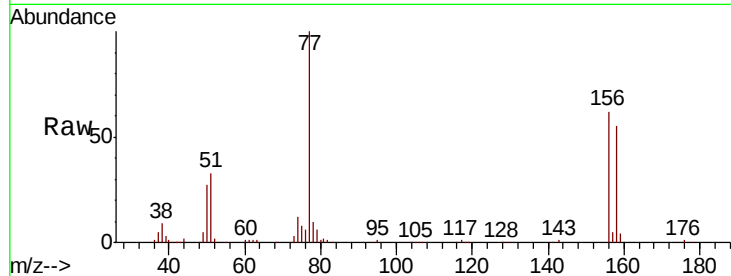
ClientSampleId :

VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.5	93.8	281.4
158	89.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.133 ug/l

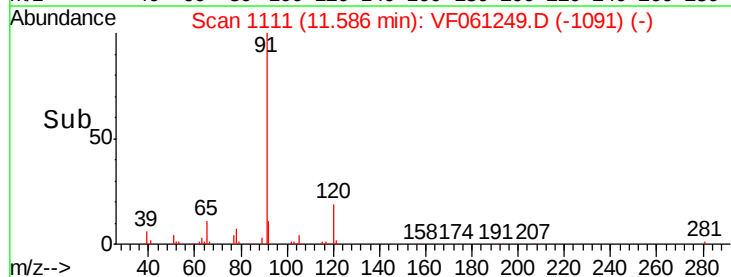
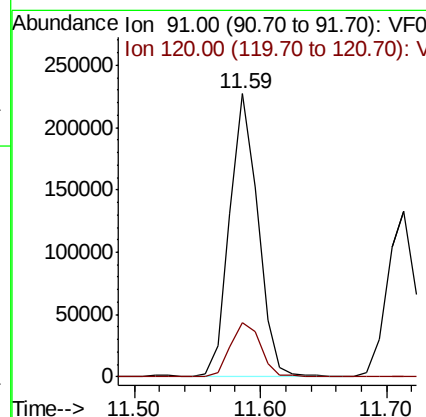
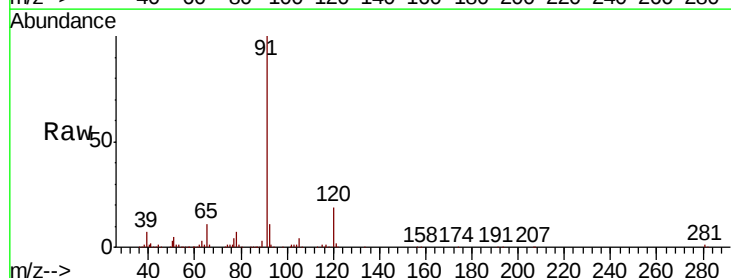
RT: 11.59 min Scan# 1111

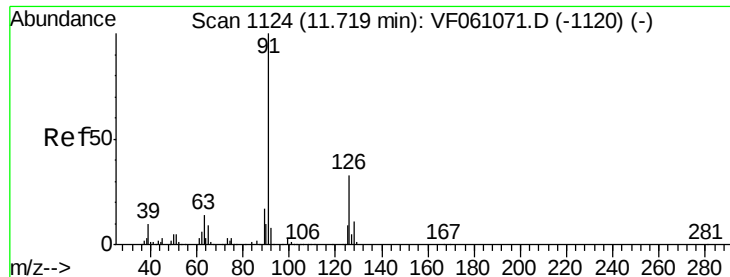
Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	10.4	31.2





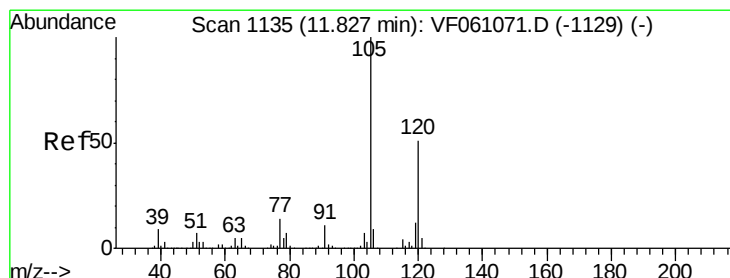
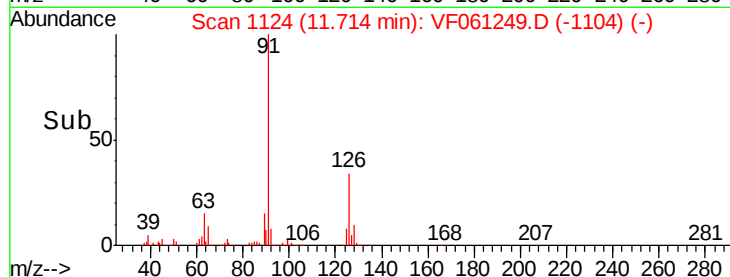
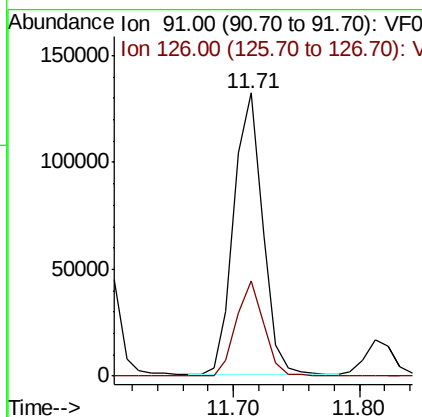
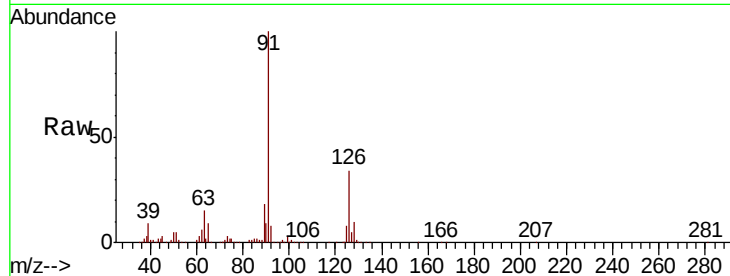
#79
2-Chlorotoluene
Concen: 22.639 ug/l
RT: 11.71 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	33.7	16.4	49.1	

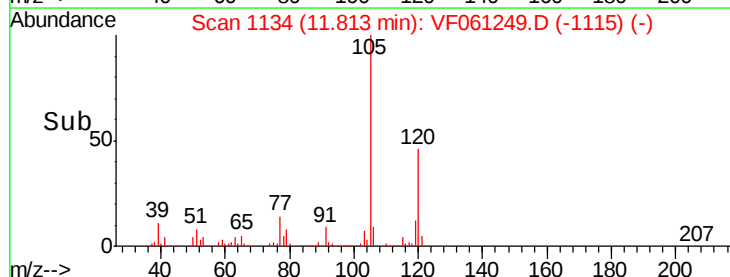
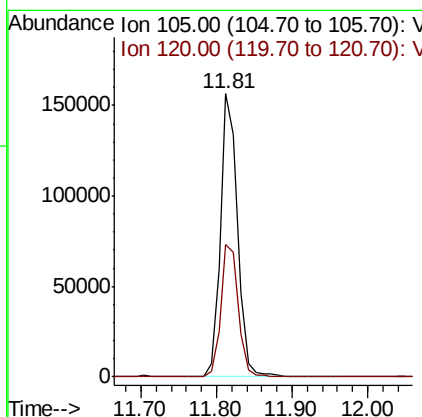
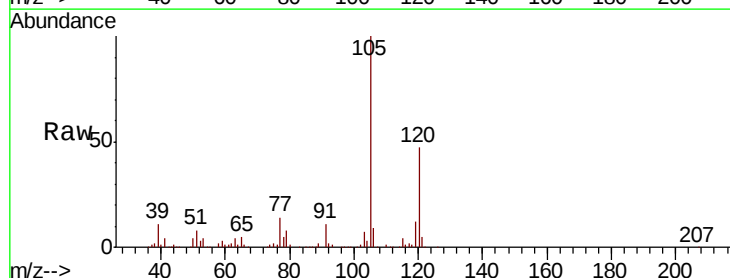
Manual Integrations
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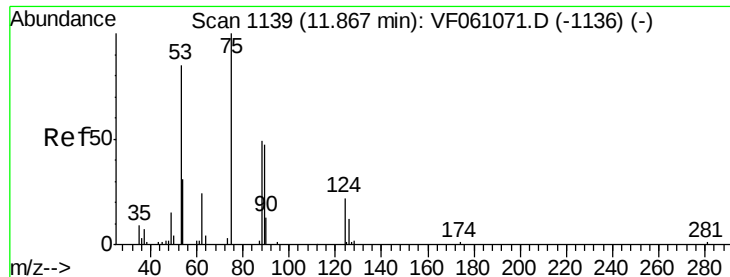
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.372 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	46.8	25.4	76.4	





#81

trans-1,4-Dichloro-2-butene

Concen: 23.864 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion: 75 Resp: 17082

Ion Ratio Lower Upper

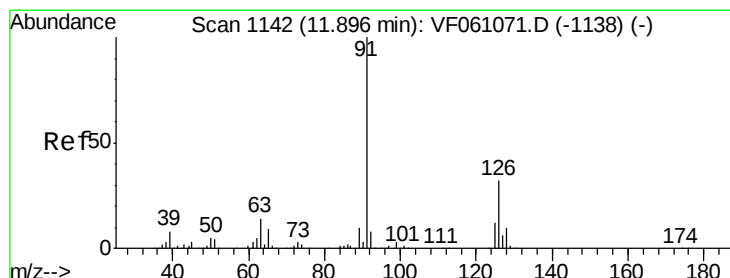
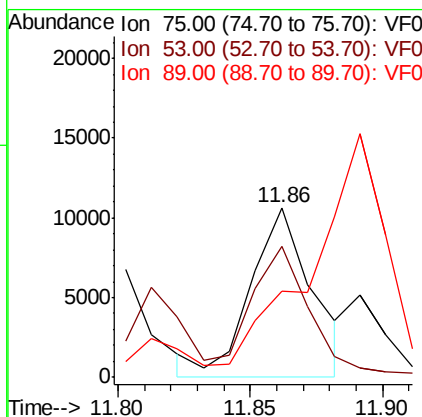
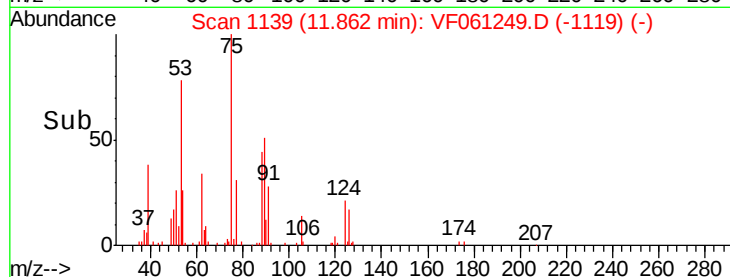
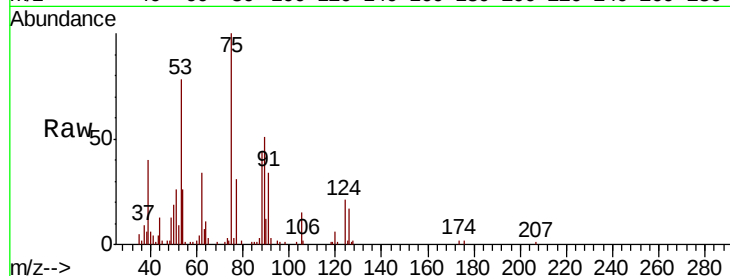
75 100

53 77.5 74.1 111.1

89 50.6 42.6 64.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.941 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061249.D

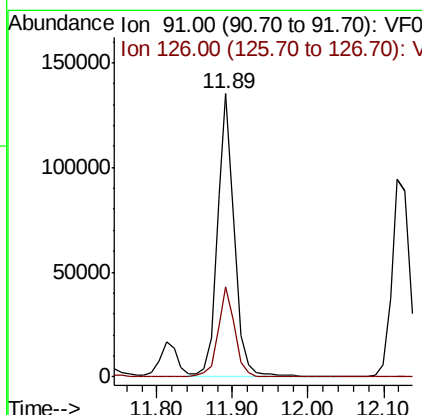
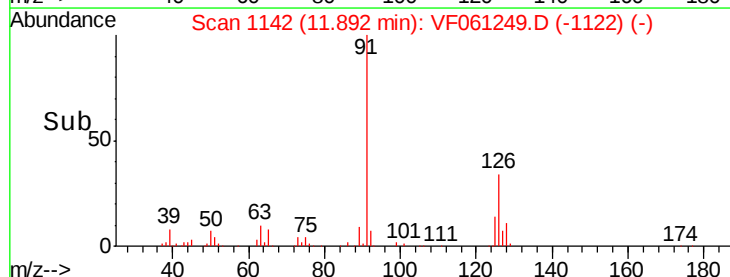
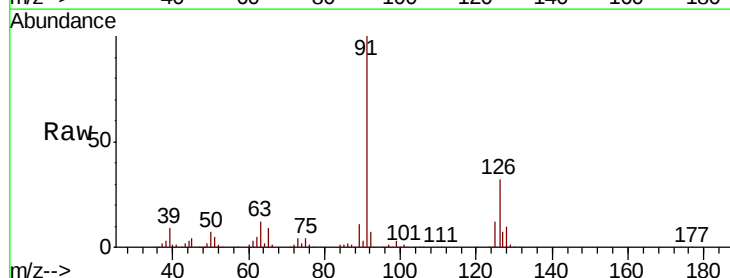
Acq: 2 Jan 2019 12:45

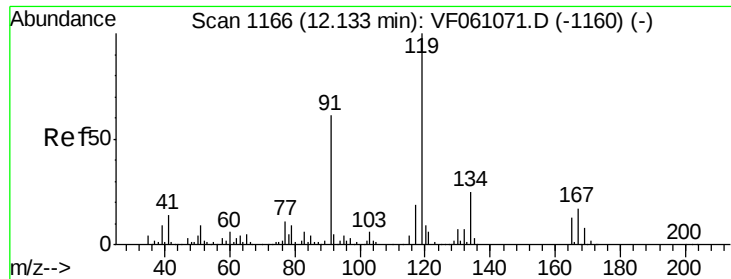
Tgt Ion: 91 Resp: 209995

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9





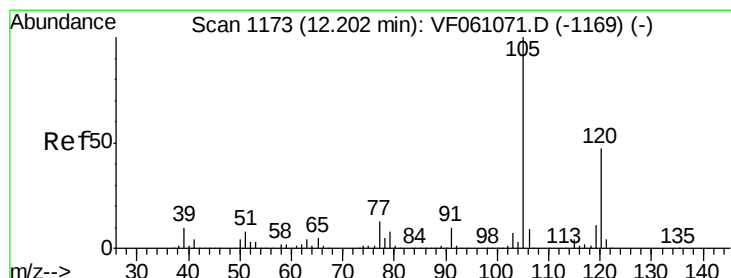
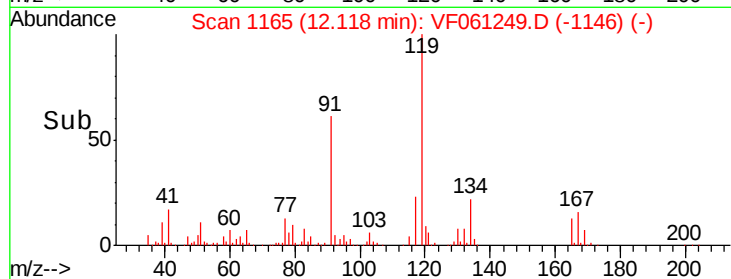
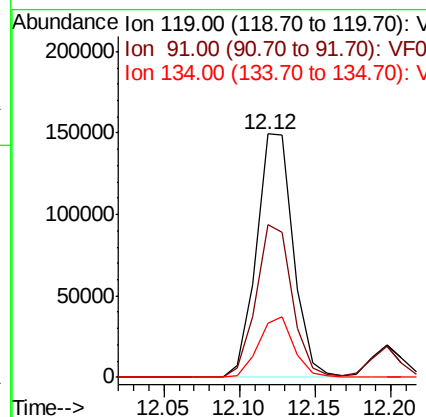
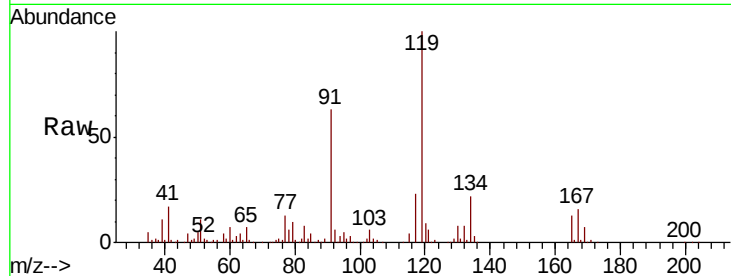
#83
tert-Butylbenzene
Concen: 22.264 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254425		
91	62.9	30.5	91.5	
134	22.4	12.4	37.4	

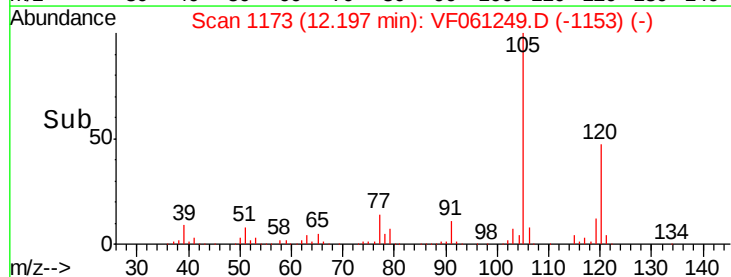
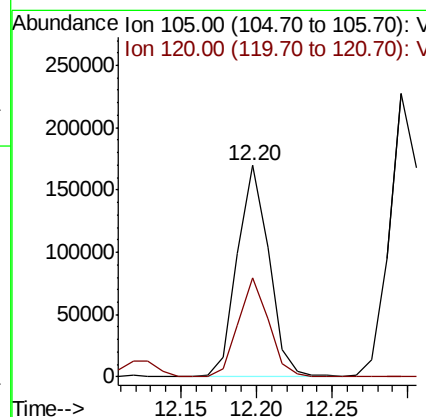
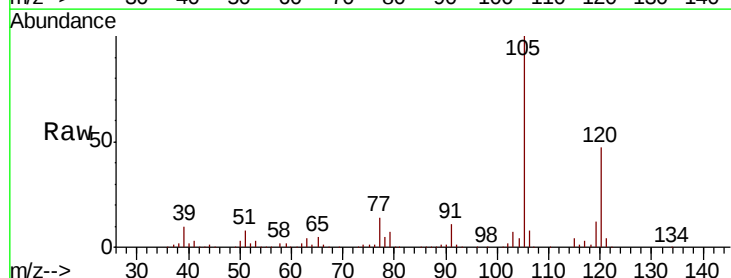
Manual Integrations
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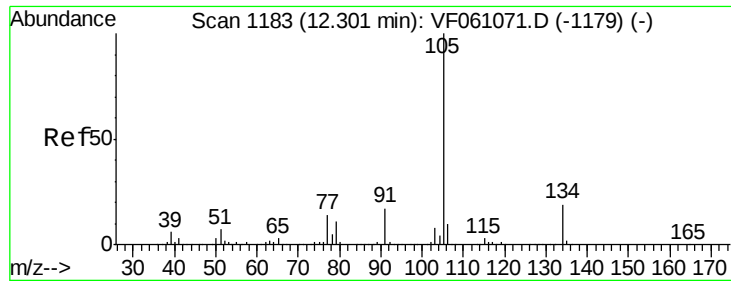
MMDadoda
1/3/2019 3:08:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.343 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	247429		
120	46.7	23.6	71.0	





#85

sec-Butylbenzene

Concen: 22.325 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tot Ion:105 Resp: 332929

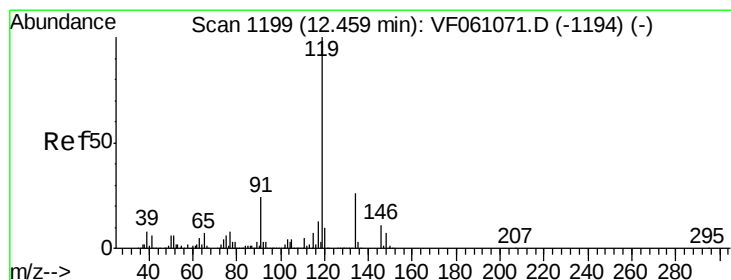
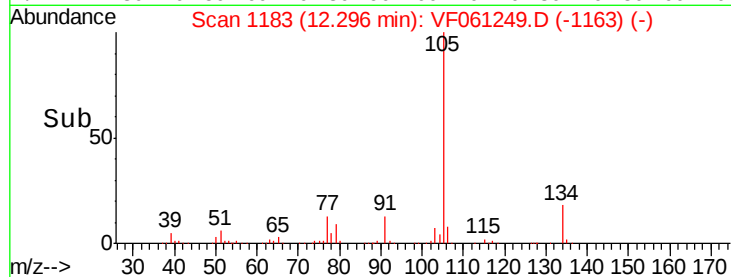
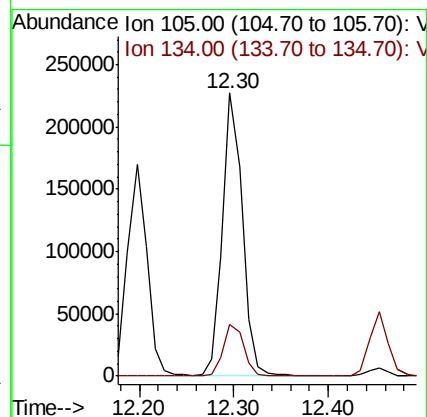
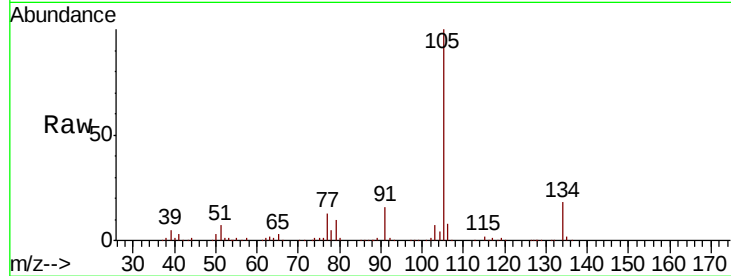
Ion Ratio Lower Upper

105 100

134 18.2 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 23.570 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

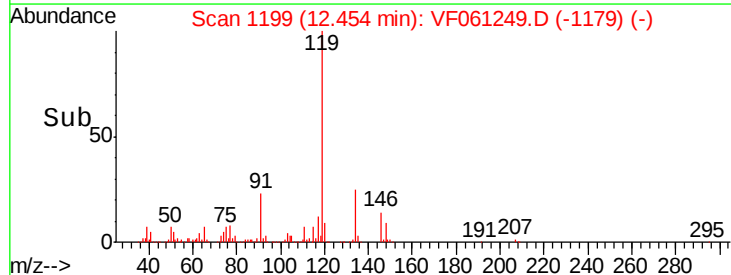
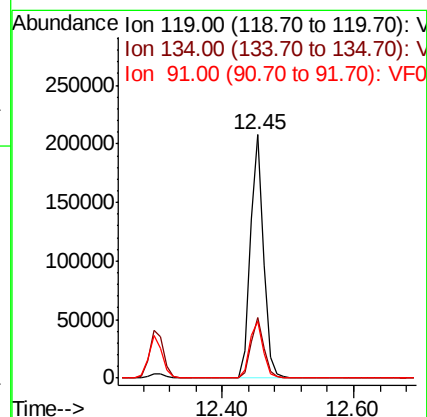
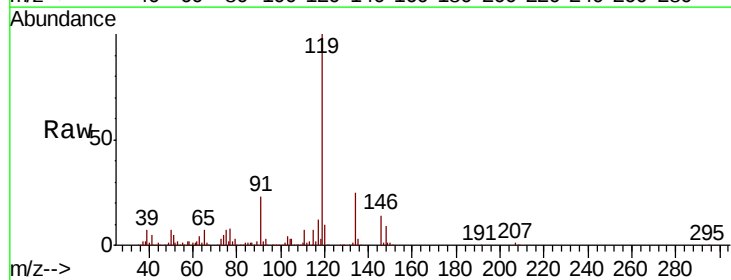
Tgt Ion:119 Resp: 291767

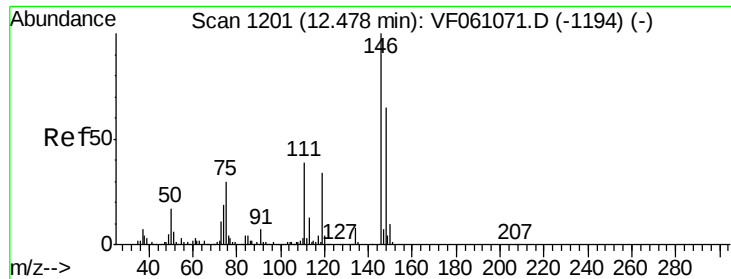
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 23.5 12.2 36.6





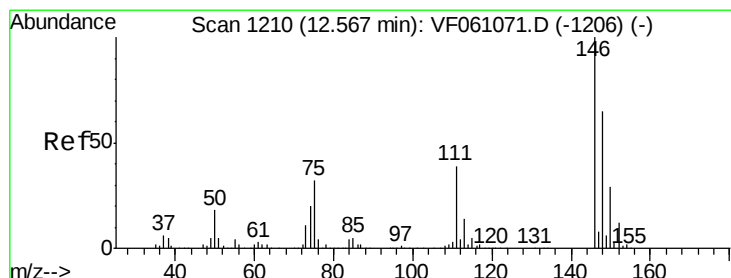
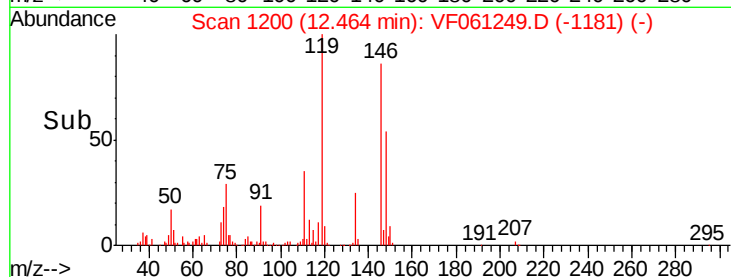
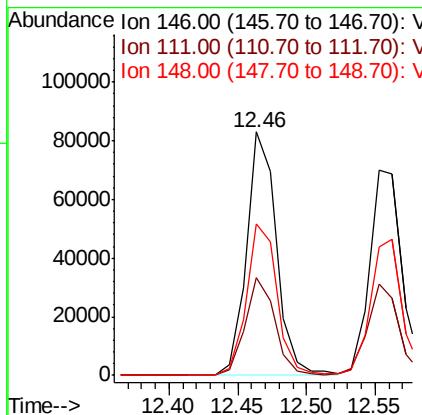
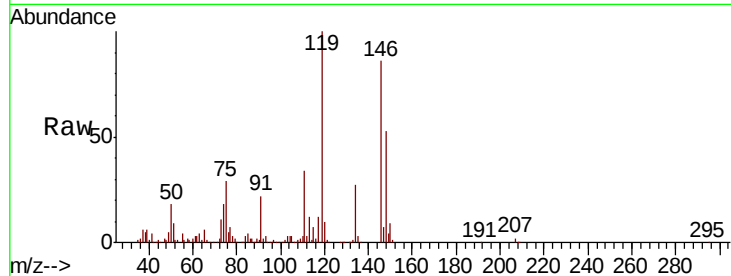
#87
 1,3-Dichlorobenzene
 Concen: 23.868 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.9
148	62.5	32.4	97.2

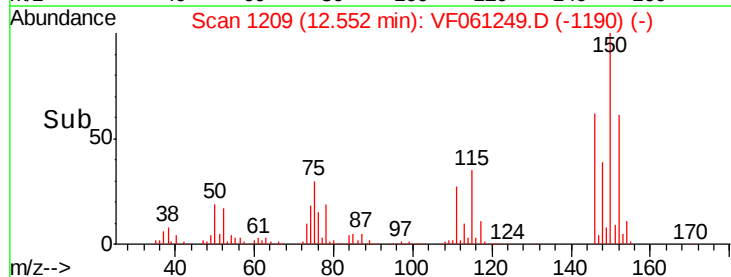
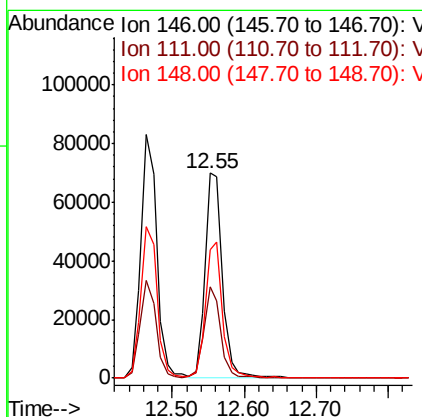
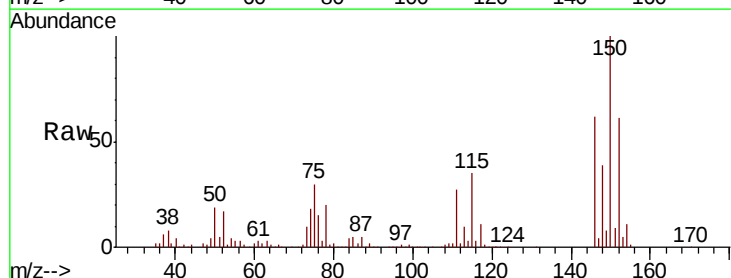
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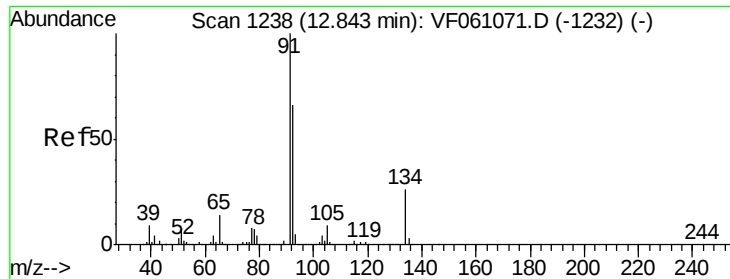
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#88
 1,4-Dichlorobenzene
 Concen: 22.090 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.4	58.4
148	62.5	32.4	97.0





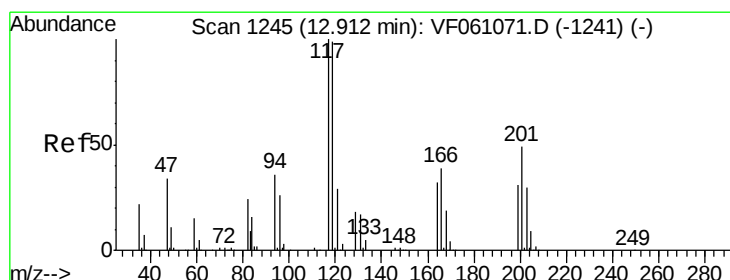
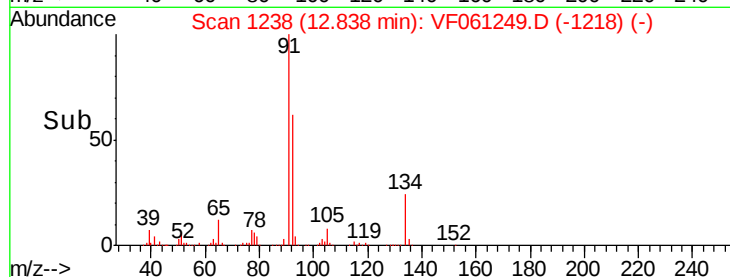
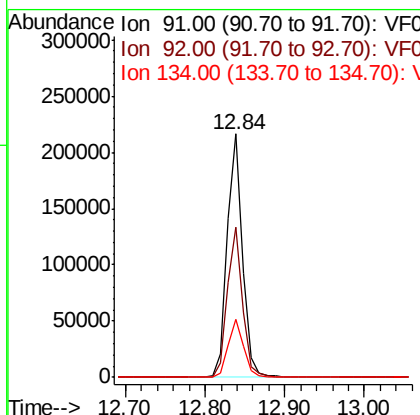
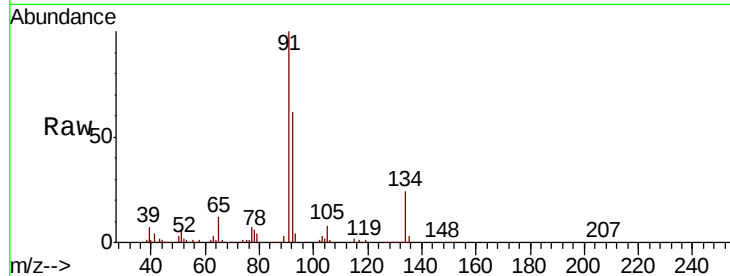
#89
n-Butylbenzene
Concen: 20.987 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.9	32.8	98.4
134	23.9	13.2	39.5

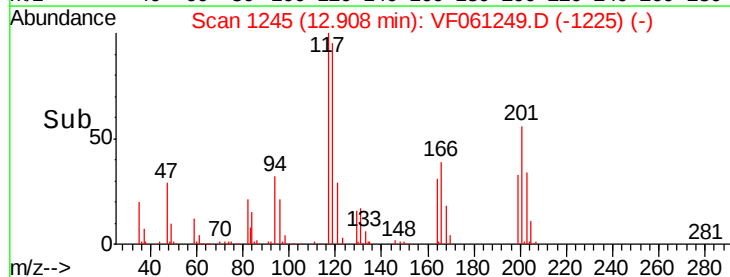
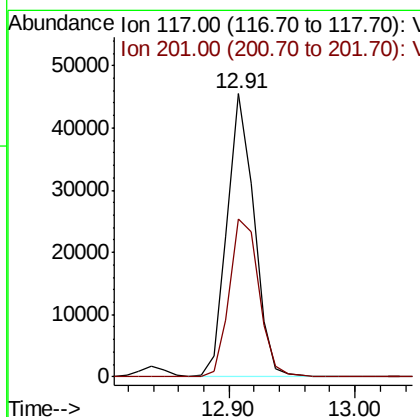
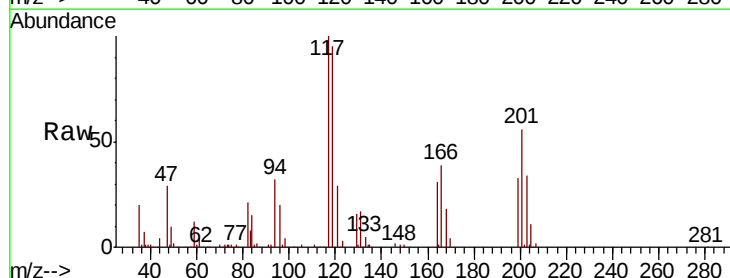
Manual Integrations
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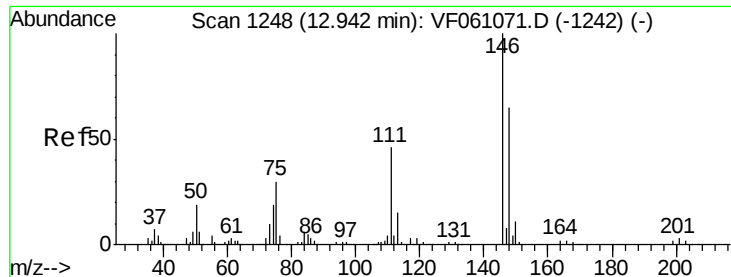
MMDadoda
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#90
Hexachloroethane
Concen: 22.047 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.1	24.9	74.8





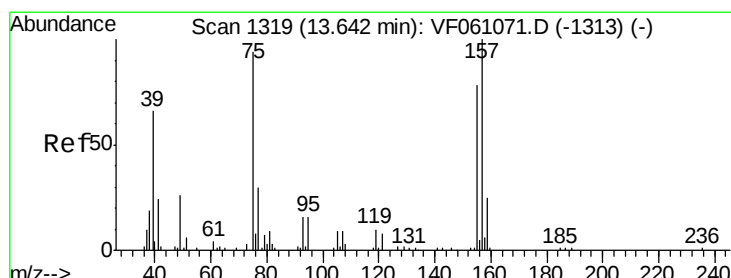
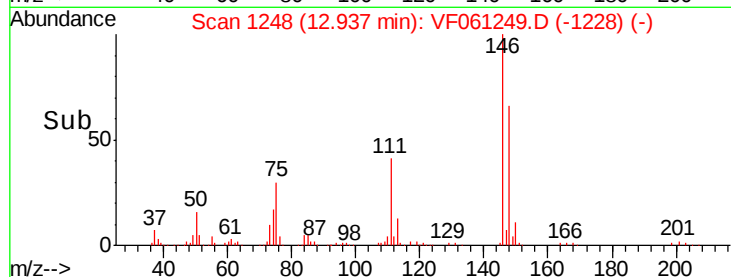
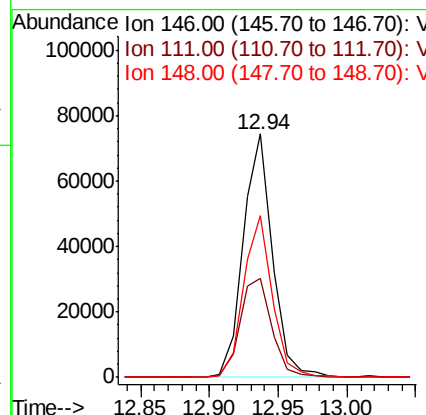
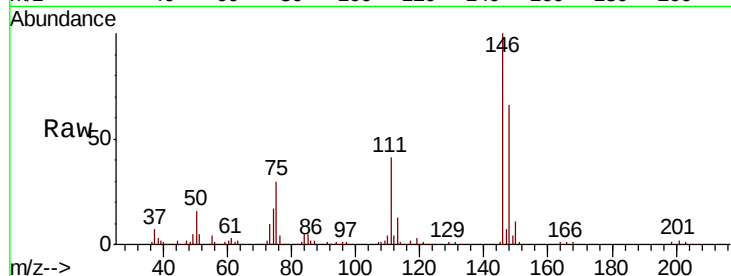
#91
 1,2-Dichlorobenzene
 Concen: 21.205 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	23.2	69.5
148	66.2	32.4	97.0

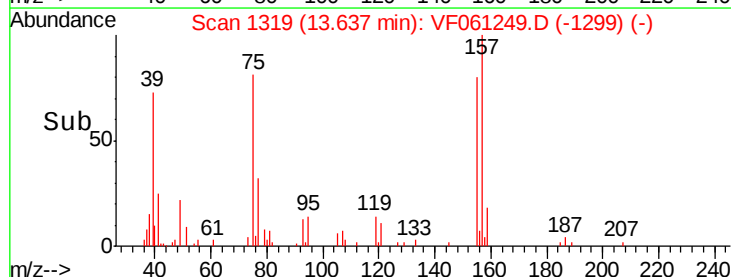
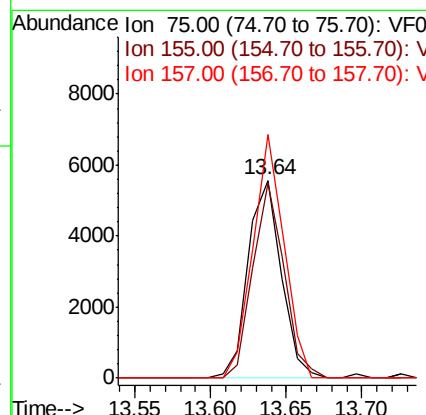
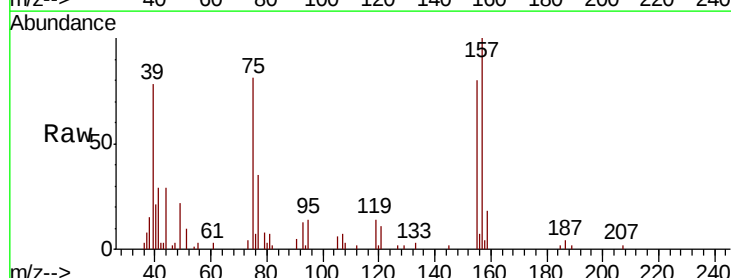
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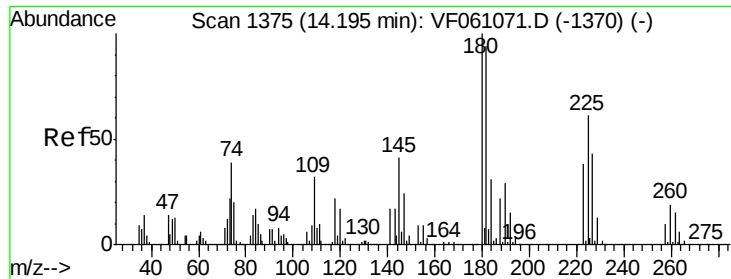
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.765 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	41.5	124.5
157	122.9	53.2	159.6





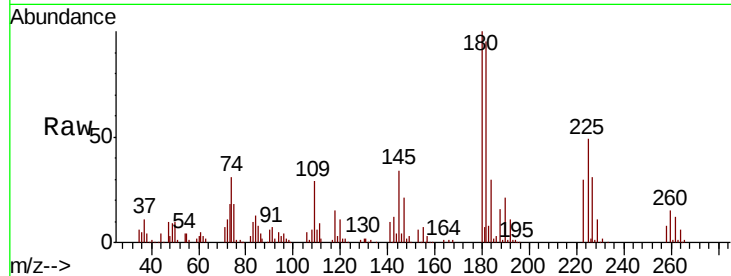
#93
 1,2,4-Trichlorobenzene
 Concen: 22.489 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82778		
182	95.3	46.9	140.6	
145	34.5	20.5	61.6	

Manual Integrations
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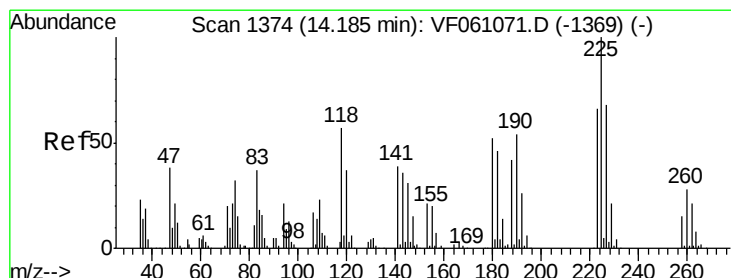
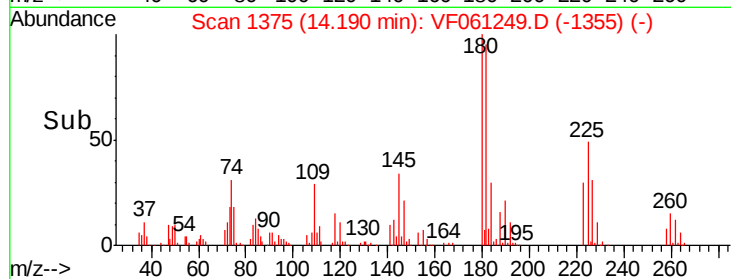
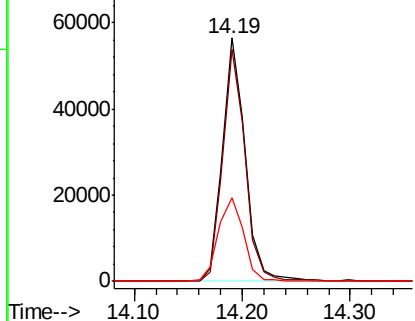


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.403 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

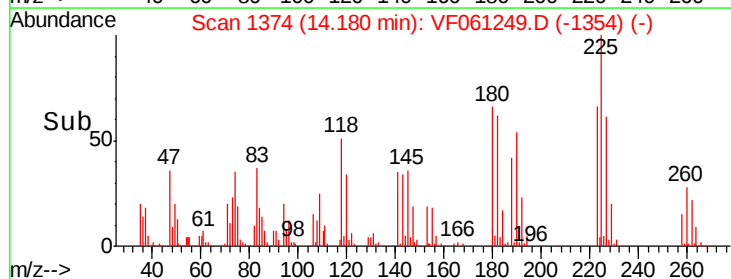
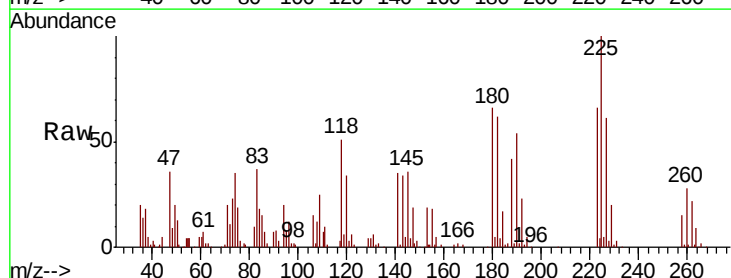
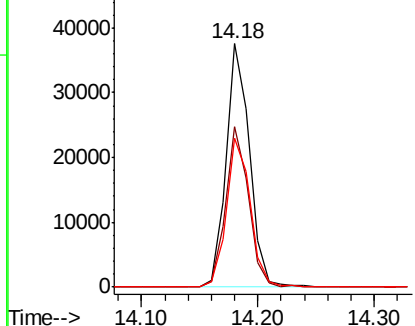
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52520		
223	65.8	32.8	98.3	
227	61.3	34.0	101.8	

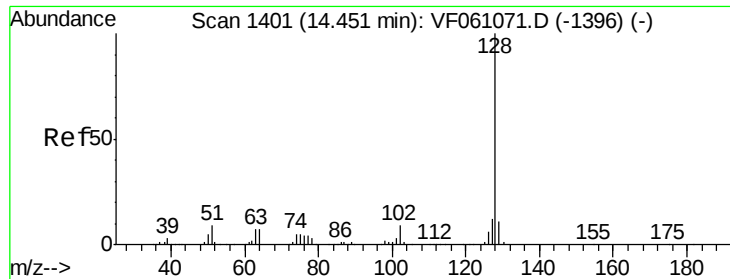
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





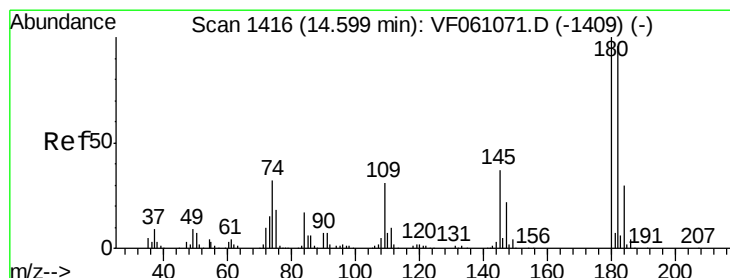
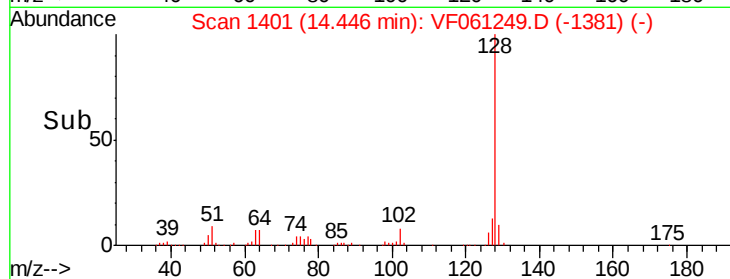
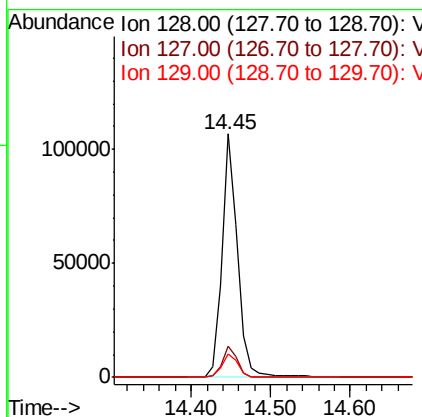
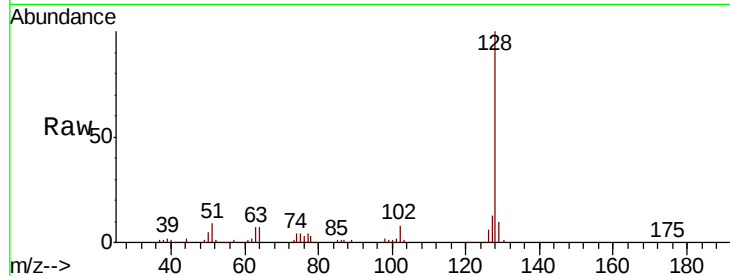
#95
Naphthalene
Concen: 21.925 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.4	14.2
129	9.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 22.147 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	35.2	18.6	55.8

