

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061180.D
 Acq On : 26 Dec 2018 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 12/27/2018 4:18:45 PM

Quant Time: Dec 27 00:03:30 2018
 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	4.84	168	188681	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	328655	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	300566	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	146692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	115485	47.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	4.08	113	130956	49.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	7.53	98	366965	49.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.39	95	167512	48.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	173612	41.393	ug/l	97
3) Chloromethane	1.09	50	116332	48.420	ug/l	97
4) Vinyl Chloride	1.14	62	104345	46.818	ug/l #	87
5) Bromomethane	1.33	94	71553	46.287	ug/l	95
6) Chloroethane	1.37	64	49078	47.790	ug/l	97
7) Trichlorofluoromethane	1.48	101	199092	46.785	ug/l	99
8) Diethyl Ether	1.62	74	27368	46.964	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	101473	45.990	ug/l	98
10) Methyl Iodide	1.89	142	160739	46.216	ug/l	91
11) Tert butyl alcohol	2.56	59	21740	221.996	ug/l	94
12) 1,1-Dichloroethene	1.78	96	77649	46.686	ug/l	89
13) Acrolein	1.99	56	15162	214.263	ug/l #	81
14) Allyl chloride	2.08	41	110530	63.859	ug/l	91
15) Acrylonitrile	2.92	53	52375	231.285	ug/l #	84
16) Acetone	2.22	43	124317	256.252	ug/l	99
17) Carbon Disulfide	1.81	76	220723	43.914	ug/l	99
18) Methyl Acetate	2.33	43	53524m	53.326	ug/l	
19) Methyl tert-butyl Ether	2.41	73	177146	47.984	ug/l	98
20) Methylene Chloride	2.22	84	86289m	56.219	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	81404	45.761	ug/l	94
22) Diisopropyl ether	2.77	45	271444	47.081	ug/l	96
23) Vinyl Acetate	3.17	43	639616	240.479	ug/l	99
24) 1,1-Dichloroethane	2.85	63	160336	46.936	ug/l	99
25) 2-Butanone	4.30	43	179542	228.193	ug/l	99
26) 2,2-Dichloropropane	3.57	77	98929	50.464	ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	119341	43.821	ug/l	97
28) Bromochloromethane	3.69	49	92088	53.129	ug/l	93
29) Tetrahydrofuran	4.05	42	74736	233.378	ug/l	98
30) Chloroform	3.84	83	237389	46.346	ug/l	96
31) Cyclohexane	3.67	56	165222	46.611	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	170217	55.444	ug/l	93
36) 1,1-Dichloropropene	4.25	75	169217	42.655	ug/l	95
37) Ethyl Acetate	4.08	43	68415	43.319	ug/l #	76
38) Carbon Tetrachloride	3.97	117	148994	49.318	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	186680	52.453	ug/l	96
40) Benzene	4.61	78	390358	45.756	ug/l	94
41) Methacrylonitrile	4.73	41	36245	43.262	ug/l	96
42) 1,2-Dichloroethane	4.91	62	143648	44.324	ug/l	100
43) Isopropyl Acetate	6.94	43	86532	45.174	ug/l #	98
44) Trichloroethene	5.49	130	118452	44.039	ug/l	95
45) 1,2-Dichloropropane	6.21	63	93482	40.275	ug/l	94
46) Dibromomethane	6.06	93	67098	44.571	ug/l	96
47) Bromodichloromethane	6.36	83	174670	44.656	ug/l	99
48) Methyl methacrylate	6.69	41	62566	46.788	ug/l	99
49) 1,4-Dioxane	6.69	88	8425	868.295	ug/l #	90
51) 4-Methyl-2-Pentanone	8.24	43	309016	235.226	ug/l	100
52) Toluene	7.60	92	253100	44.818	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	145907	46.240	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	184159	46.502	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	79195	46.779	ug/l	95
56) Ethyl methacrylate	8.60	69	85755	46.812	ug/l	96
57) 1,3-Dichloropropane	8.83	76	138498	45.232	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	74067	210.518	ug/l	97
59) 2-Hexanone	9.47	43	235426	247.807	ug/l	96
60) Dibromochloromethane	8.69	129	115199	47.469	ug/l	93
61) 1,2-Dibromoethane	8.97	107	82860	45.828	ug/l	97
64) Tetrachloroethene	8.13	164	103037	44.564	ug/l	93
65) Chlorobenzene	9.78	112	284541	45.825	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	114934	45.295	ug/l	97
67) Ethyl Benzene	9.88	91	535935	47.377	ug/l	99
68) m/p-Xylenes	10.11	106	352912	88.649	ug/l	97
69) o-Xylene	10.69	106	203623	46.118	ug/l	92
70) Styrene	10.77	104	280465	52.360	ug/l	98
71) Bromoform	10.75	173	55590	47.353	ug/l #	96
73) Isopropylbenzene	11.11	105	596544	47.190	ug/l	99
74) N-amyl acetate	11.35	43	139685	49.771	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	100574	47.937	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	70891	45.404	ug/l	93
77) Bromobenzene	11.48	156	125641	46.171	ug/l	83
78) n-propylbenzene	11.58	91	678601	45.829	ug/l	98
79) 2-Chlorotoluene	11.70	91	395338	45.588	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	470336	45.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	31854m	47.478	ug/l	
82) 4-Chlorotoluene	11.89	91	413585	46.103	ug/l	95
83) tert-Butylbenzene	12.11	119	477836	44.611	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	464562	44.755	ug/l	99
85) sec-Butylbenzene	12.29	105	642746	45.982	ug/l	98
86) p-Isopropyltoluene	12.45	119	546354	47.089	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	231306	52.336	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	223657	44.760	ug/l	95
89) n-Butylbenzene	12.83	91	552049	46.296	ug/l	98
90) Hexachloroethane	12.90	117	132149	46.100	ug/l	85
91) 1,2-Dichlorobenzene	12.92	146	218438	44.901	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	18381	47.743	ug/l	89

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QLast Update : Thu Dec 20 00:56:59 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	162042	46.967	ug/l	94
94) Hexachlorobutadiene	14.18	225	108339	49.303	ug/l	92
95) Naphthalene	14.44	128	313145	49.705	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	150159	47.079	ug/l	97

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

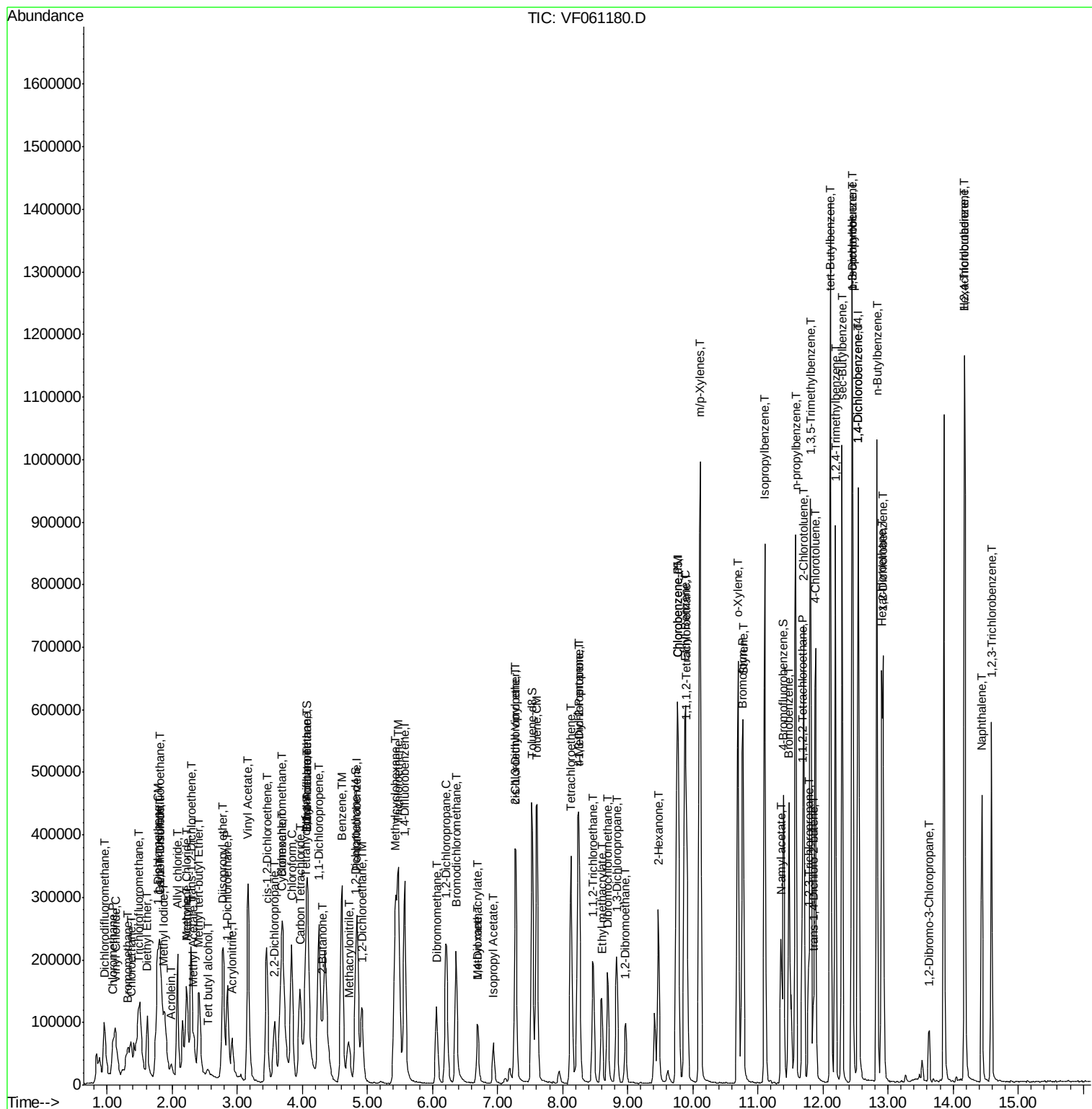
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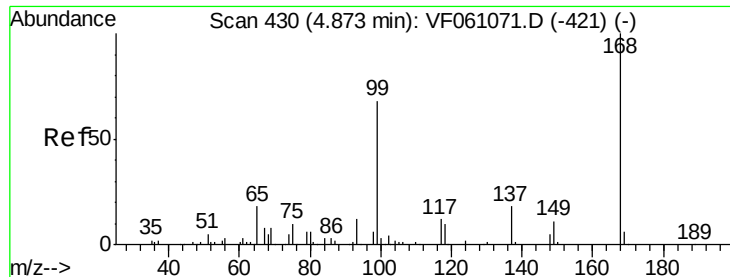
Instrument :
MSVOA_F
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188681

Ion Ratio Lower Upper

168 100

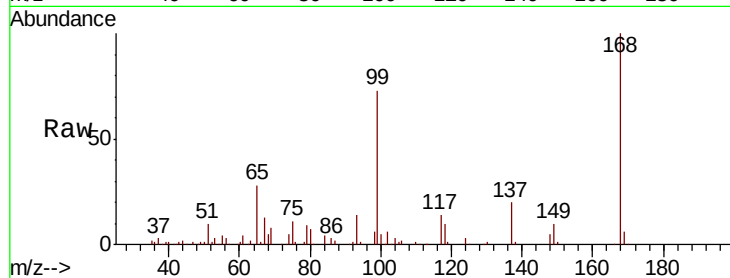
99 72.5 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

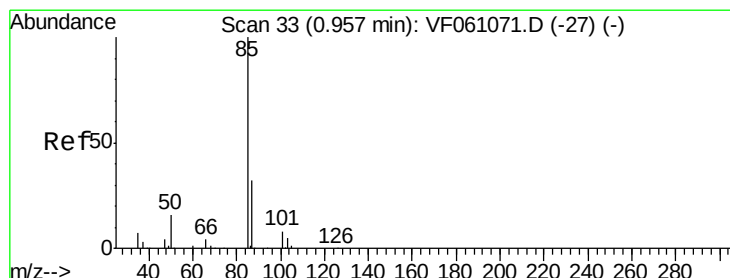
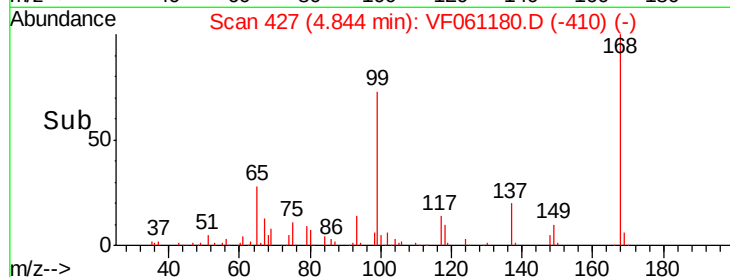
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 41.393 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061180.D

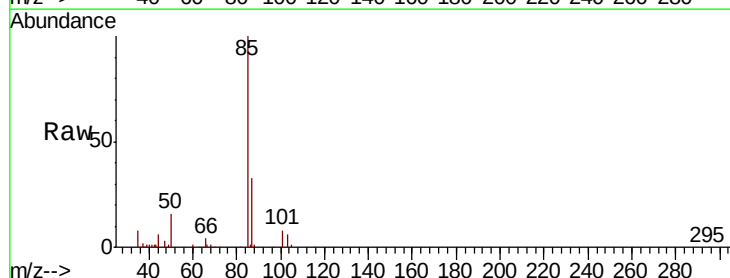
Acq: 26 Dec 2018 11:03

Tgt Ion: 85 Resp: 173612

Ion Ratio Lower Upper

85 100

87 33.4 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

50000

40000

30000

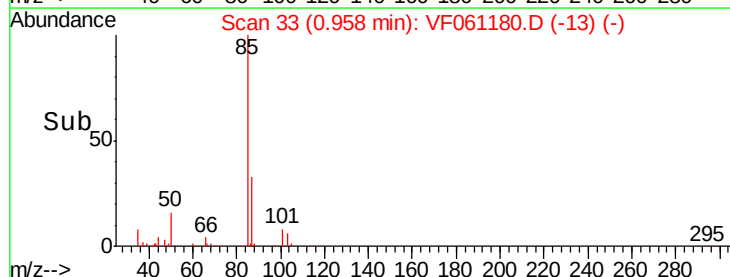
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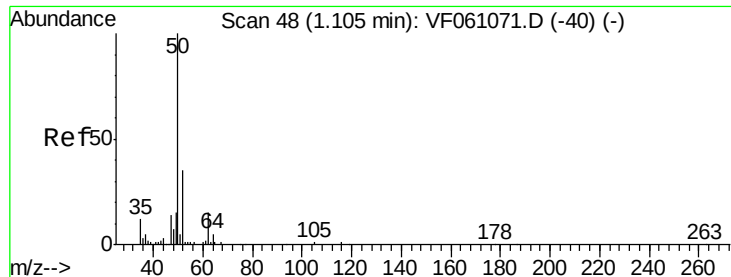
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Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 48.420 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 116332

Ion Ratio Lower Upper

50 100

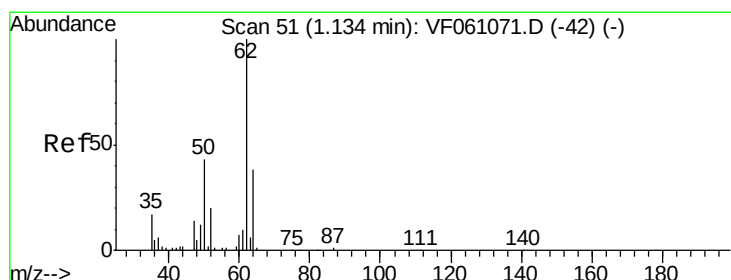
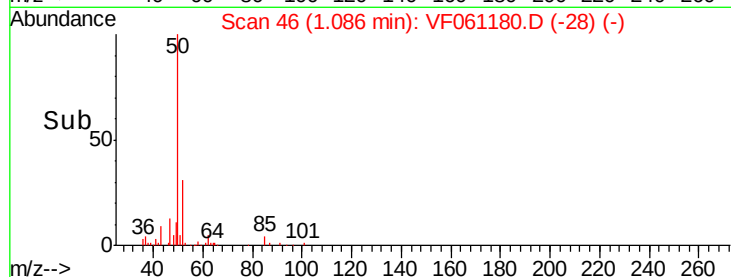
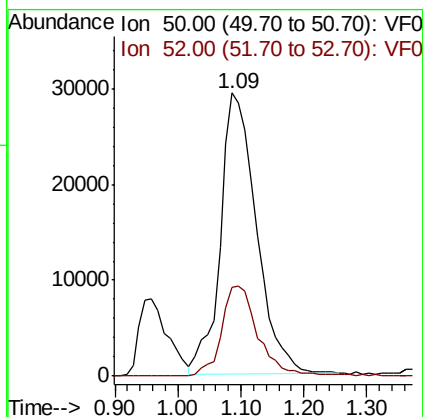
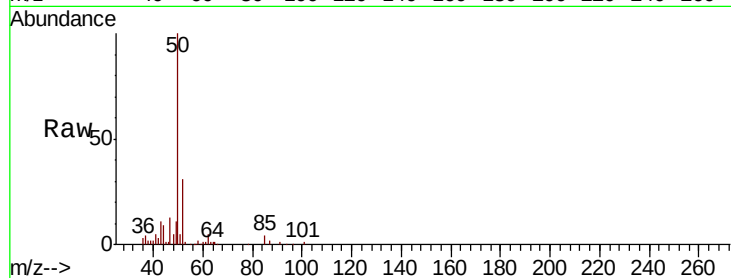
52 31.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 46.818 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061180.D

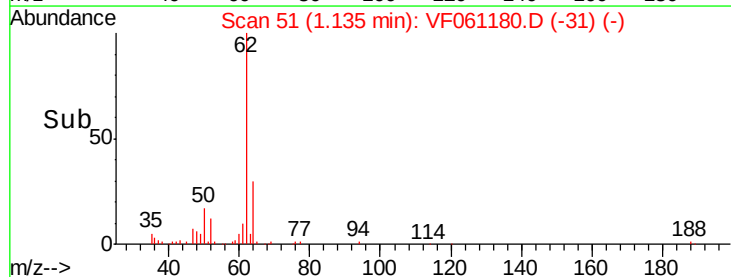
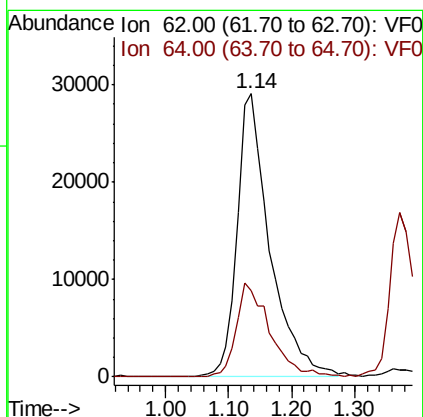
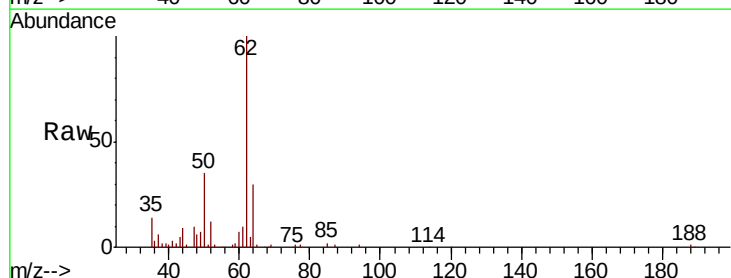
Acq: 26 Dec 2018 11:03

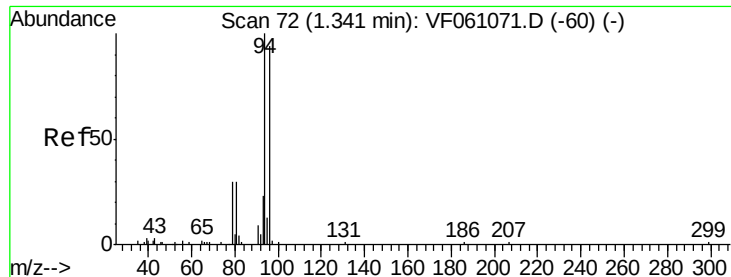
Tgt Ion: 62 Resp: 104345

Ion Ratio Lower Upper

62 100

64 30.3 30.4 45.6#





#5

Bromomethane

Concen: 46.287 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 71553

Ion Ratio Lower Upper

94 100

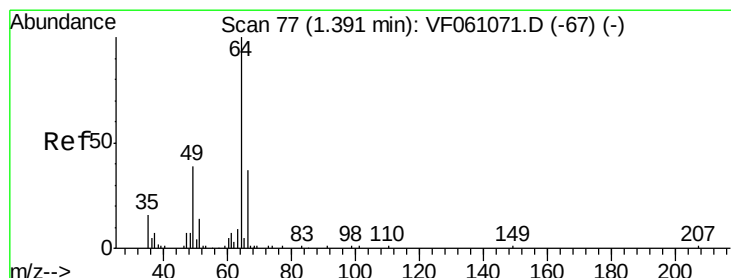
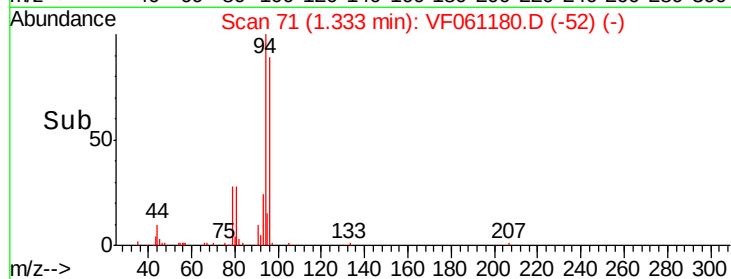
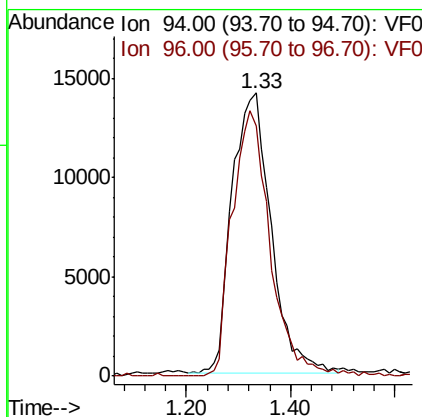
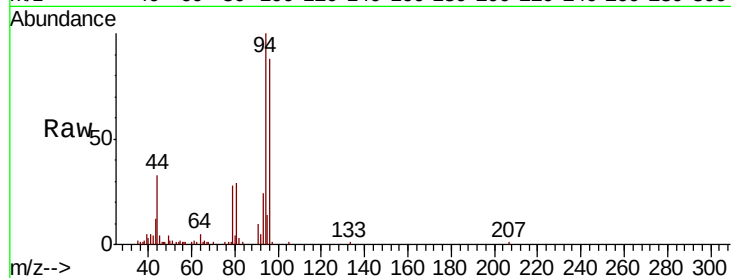
96 88.3 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 47.790 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061180.D

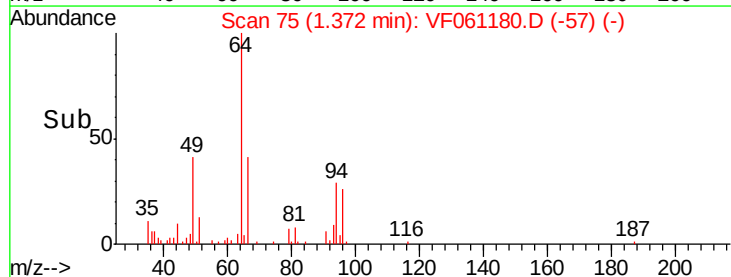
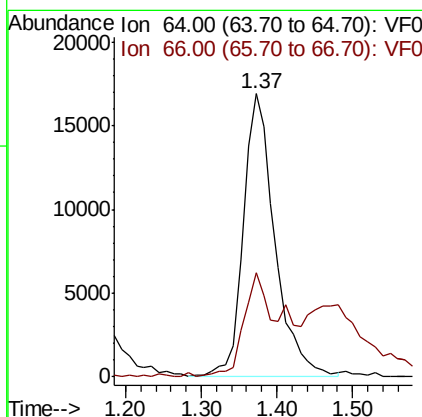
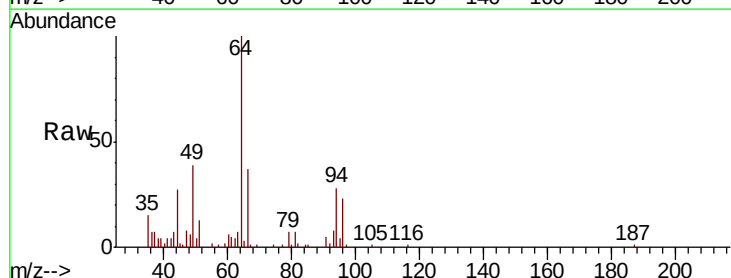
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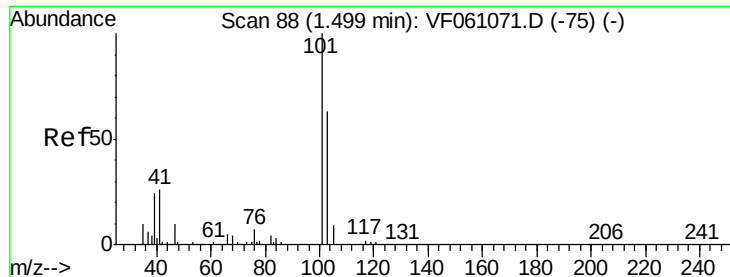
Tgt Ion: 64 Resp: 49078

Ion Ratio Lower Upper

64 100

66 36.8 30.9 46.3





#7

Trichlorofluoromethane

Concen: 46.785 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 199092

Ion Ratio Lower Upper

101 100

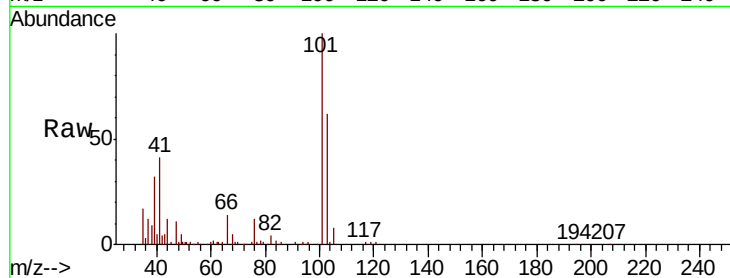
103 62.5 50.7 76.1

Manual Integrations

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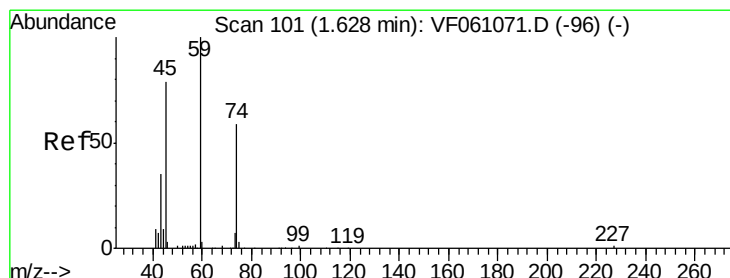
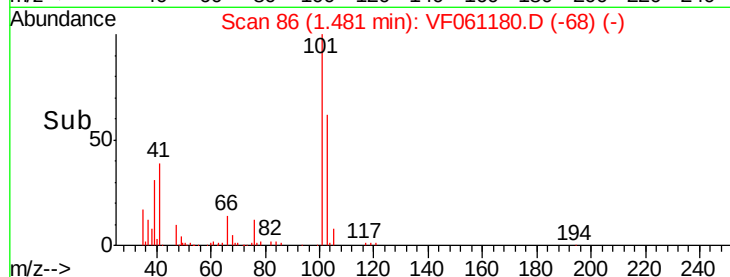
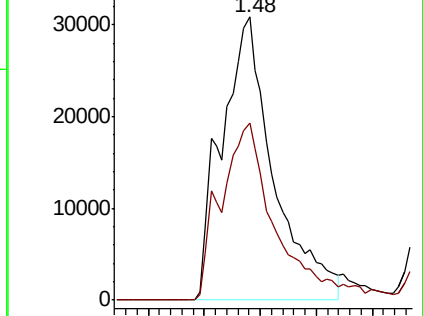
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.964 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061180.D

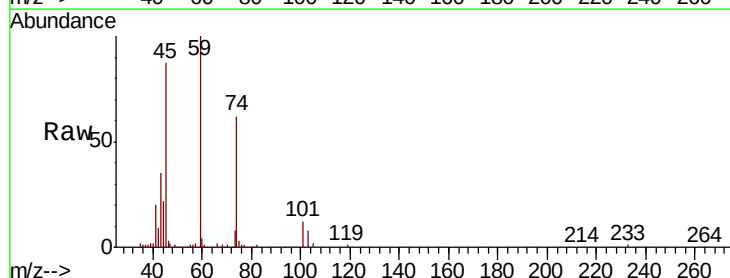
Acq: 26 Dec 2018 11:03

Tgt Ion: 74 Resp: 27368

Ion Ratio Lower Upper

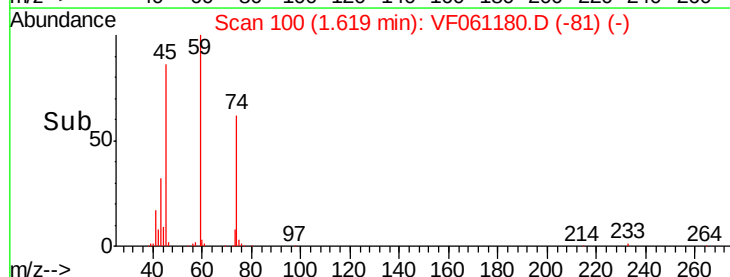
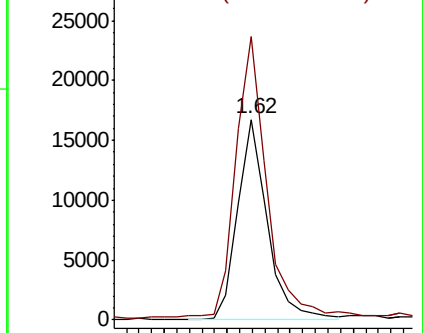
74 100

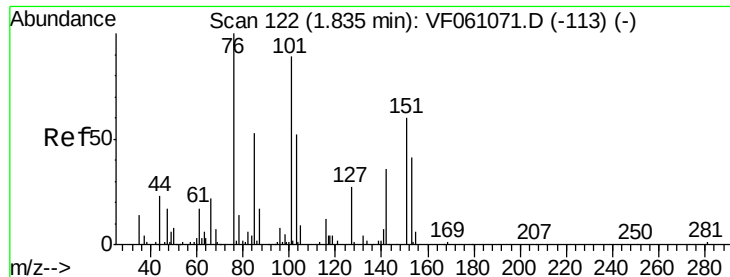
45 141.3 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.990 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

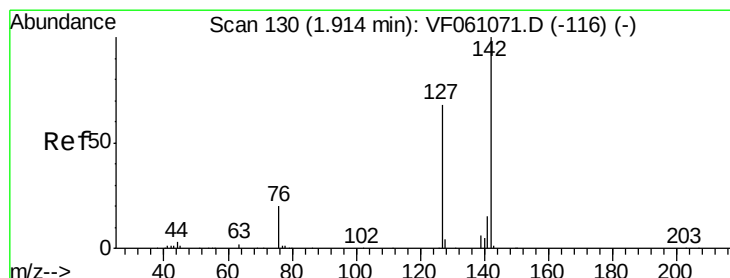
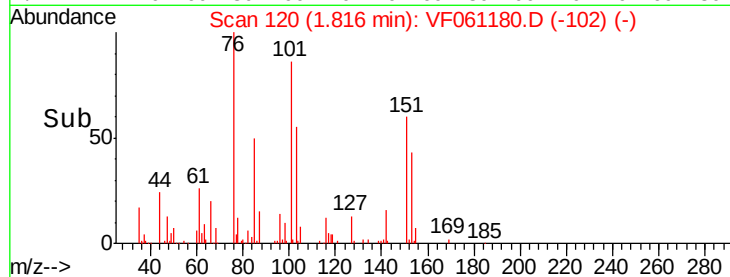
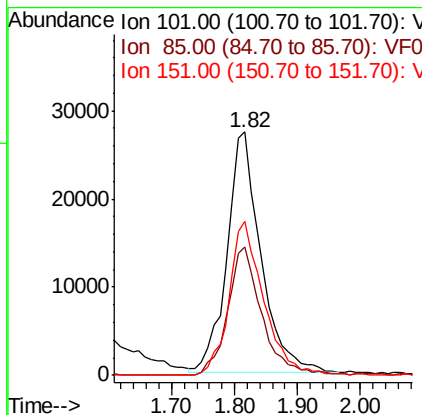
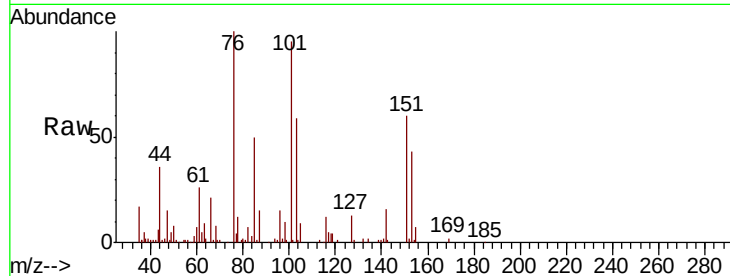
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101473
Ion Ratio	Lower	Upper	
101	100		
85	52.8	44.5	66.7
151	63.3	49.9	74.9

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#10

Methyl Iodide

Concen: 46.216 ug/l

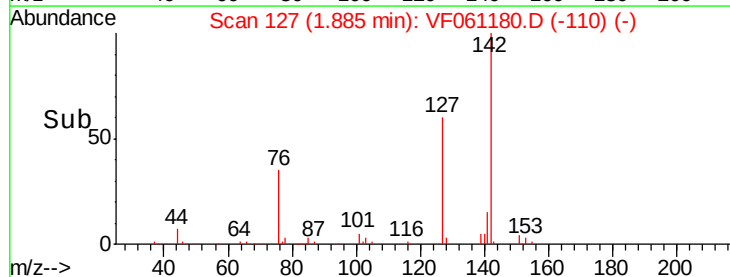
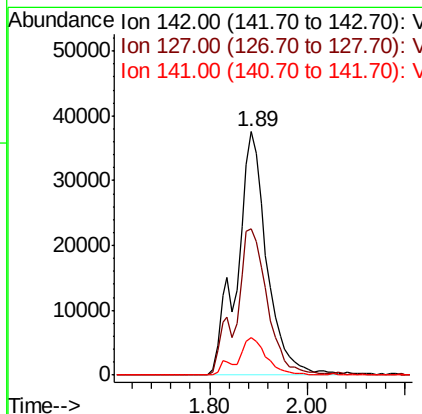
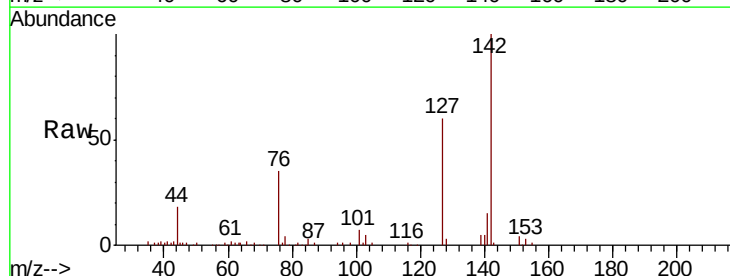
RT: 1.89 min Scan# 127

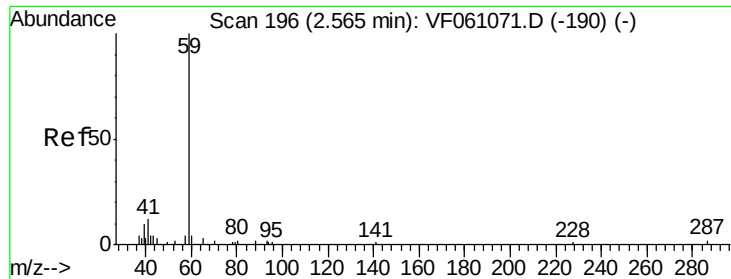
Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	142	Resp:	160739
Ion Ratio	Lower	Upper	
142	100		
127	59.9	54.7	82.1
141	15.3	12.2	18.2





#11

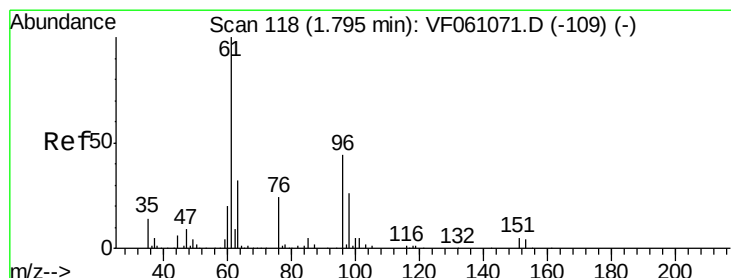
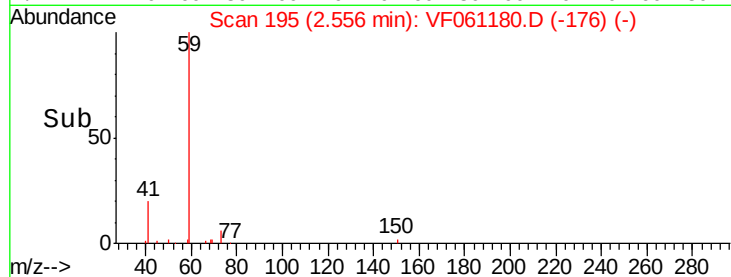
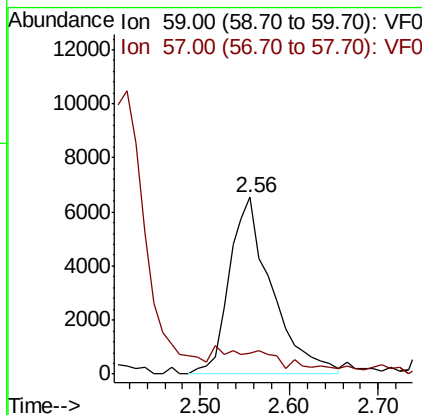
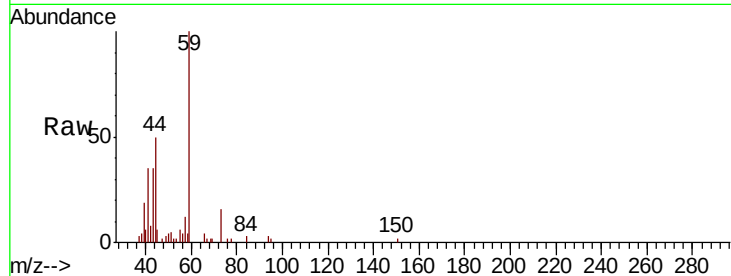
Tert butyl alcohol
 Concen: 221.996 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. -0.01 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	21740
Ion Ratio	59	100	
Lower	57	12.1	11.5
Upper			17.3

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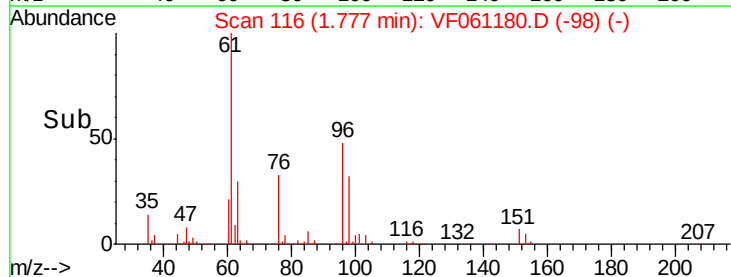
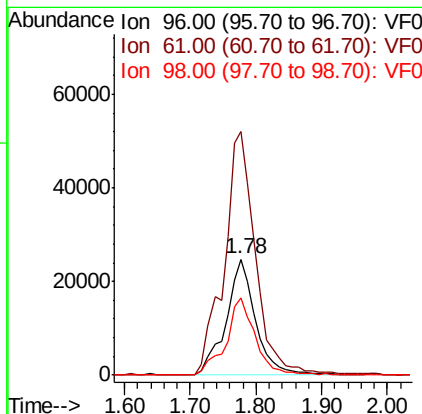
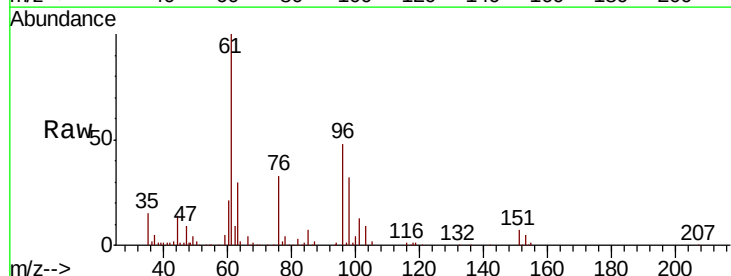
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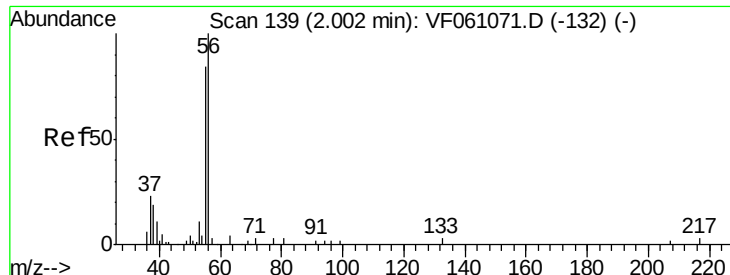


#12

1,1-Dichloroethene
 Concen: 46.686 ug/l
 RT: 1.78 min Scan# 116
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	96	Resp	77649
Ion Ratio	96	100	
Lower	61	210.2	182.0
Upper	98	66.6	46.5





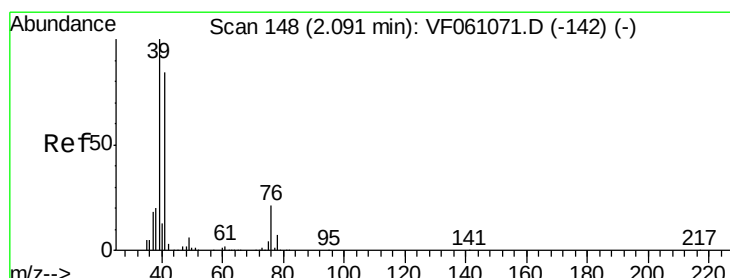
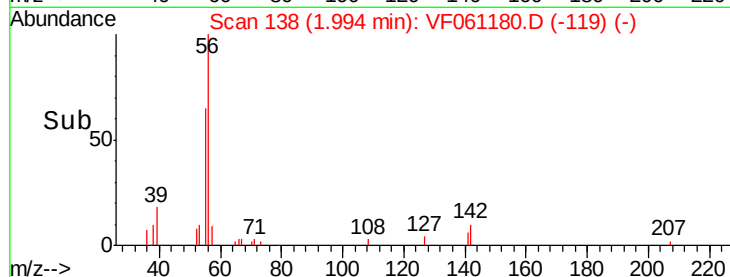
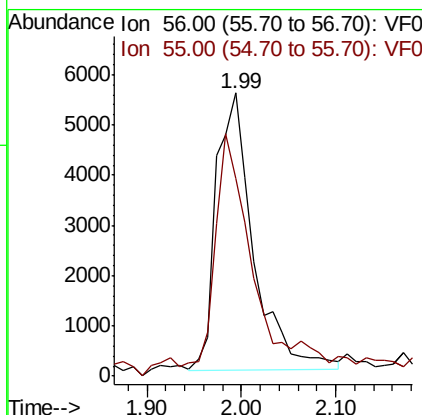
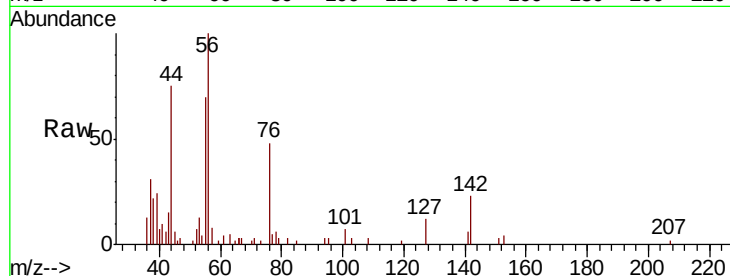
#13
Acrolein
Concen: 214.263 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 15162
Ion Ratio Lower Upper
56 100
55 70.0 70.2 105.2#

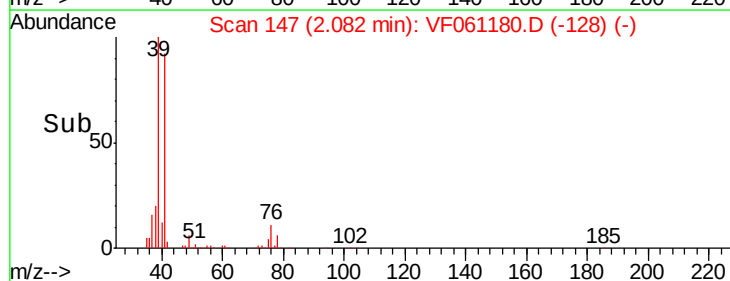
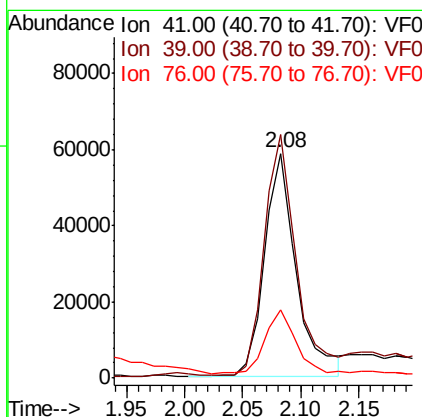
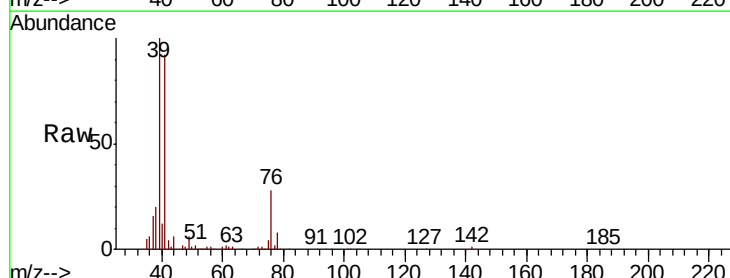
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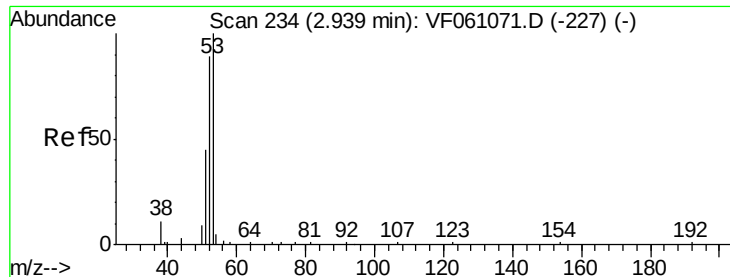
apatel
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#14
Allyl chloride
Concen: 63.859 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion: 41 Resp: 110530
Ion Ratio Lower Upper
41 100
39 108.4 96.4 144.6
76 30.5 25.4 38.0





#15

Acrylonitrile

Concen: 231.285 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

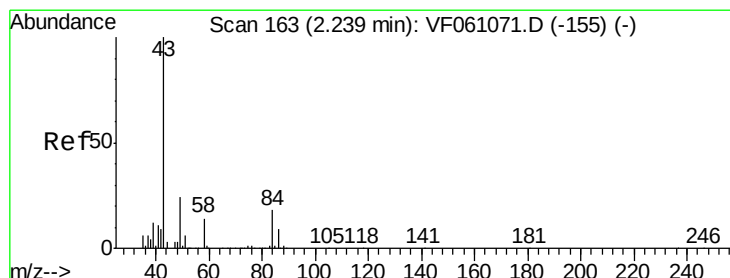
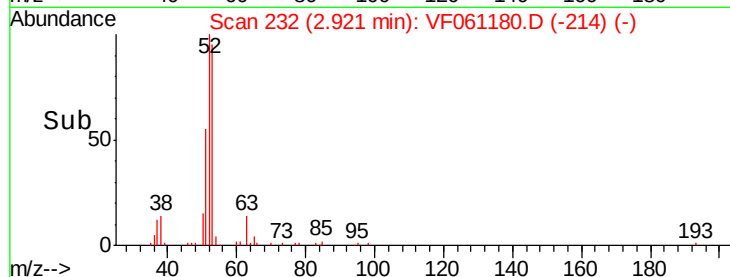
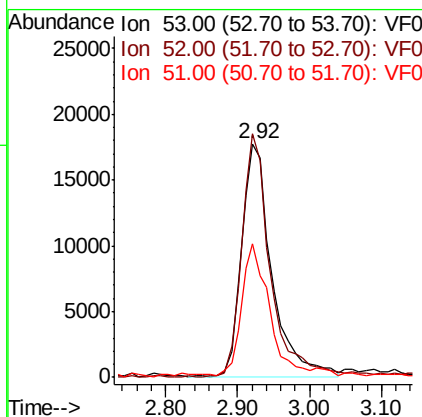
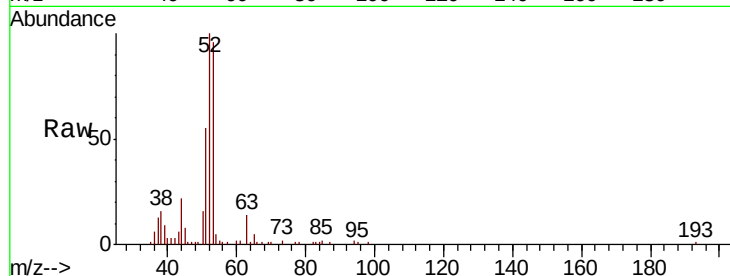
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	52375
Ion	Ratio	Lower	Upper
53	100		
52	104.3	71.3	106.9
51	57.2	36.8	55.2#

Manual Integrations
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#16

Acetone

Concen: 256.252 ug/l

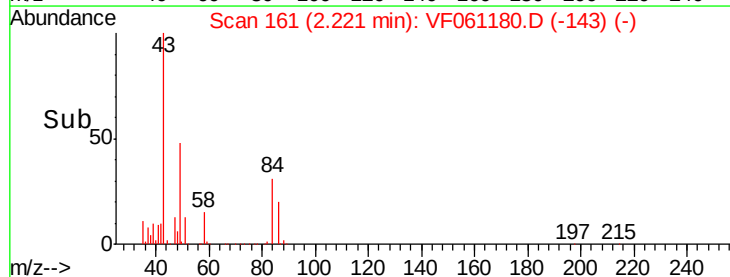
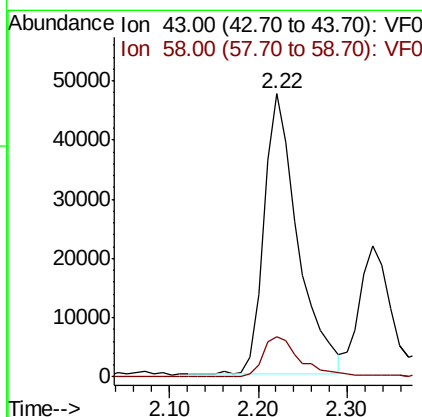
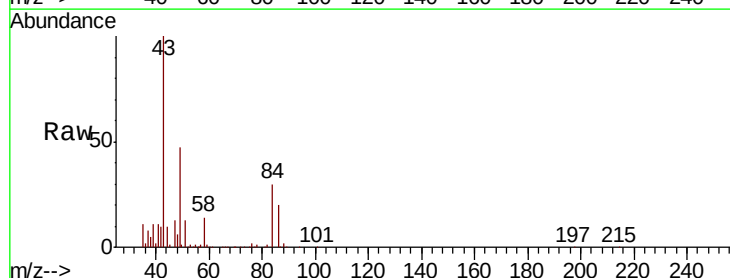
RT: 2.22 min Scan# 161

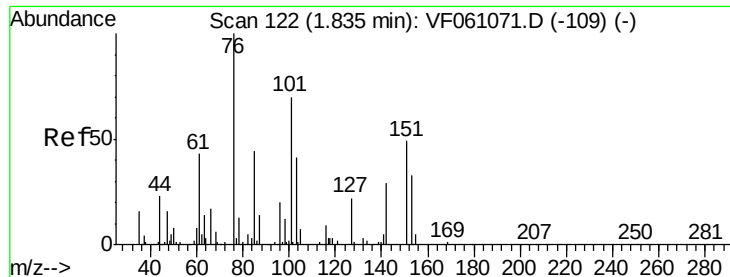
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	43	Resp:	124317
Ion	Ratio	Lower	Upper
43	100		
58	14.3	11.1	16.7





#17

Carbon Disulfide

Concen: 43.914 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 220723

Ion Ratio Lower Upper

76 100

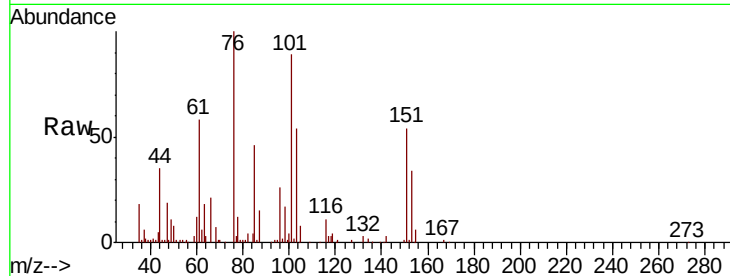
78 12.2 10.2 15.4

Manual Integrations

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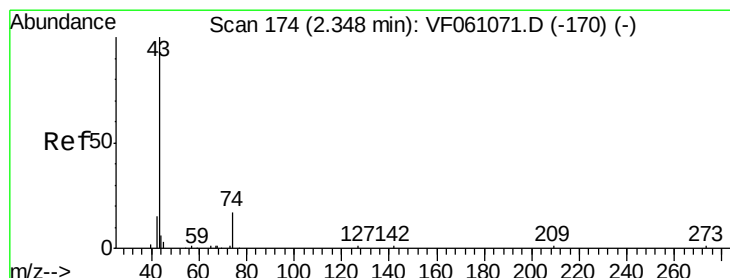
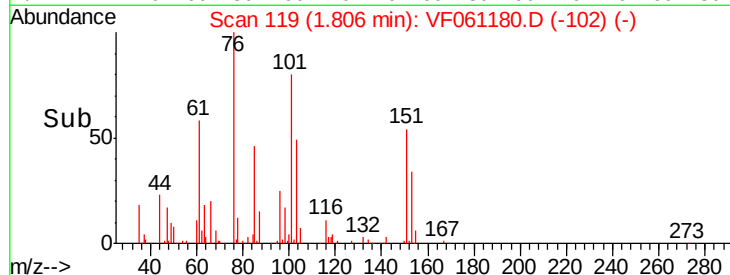
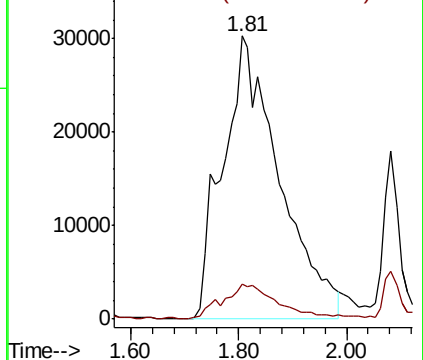
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 53.326 ug/l m

RT: 2.33 min Scan# 172

Delta R.T. -0.02 min

Lab File: VF061180.D

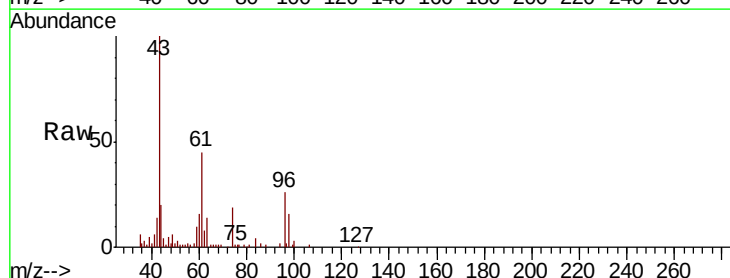
Acq: 26 Dec 2018 11:03

Tgt Ion: 43 Resp: 53524

Ion Ratio Lower Upper

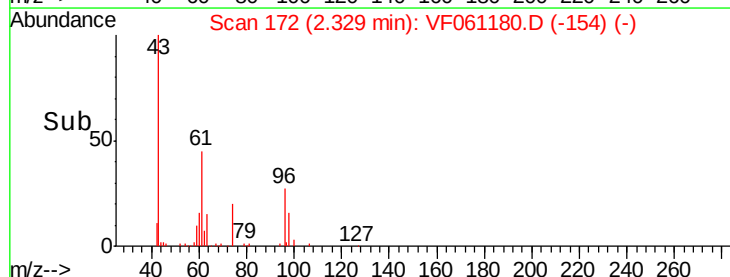
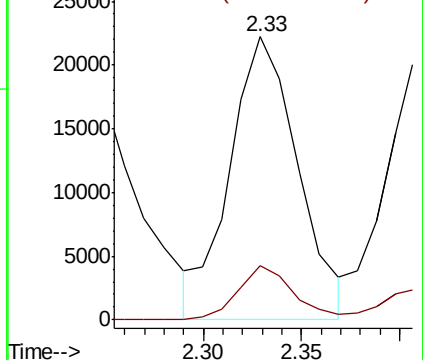
43 100

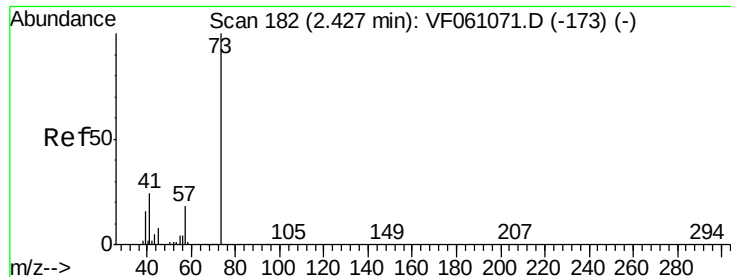
74 19.2 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





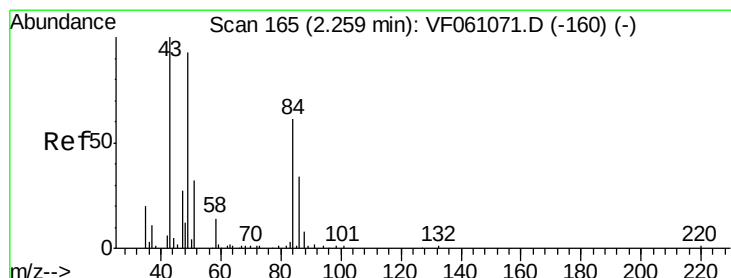
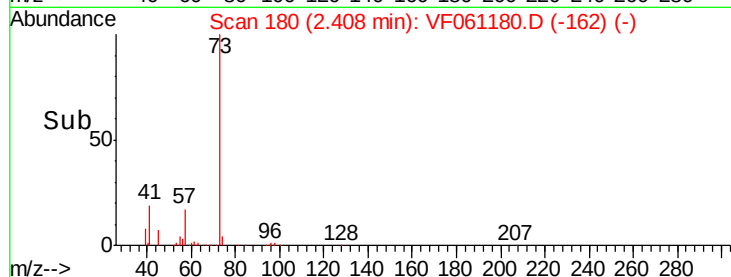
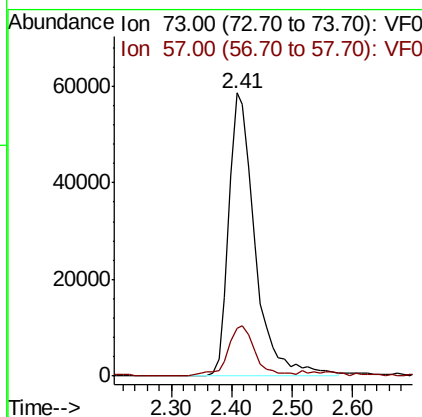
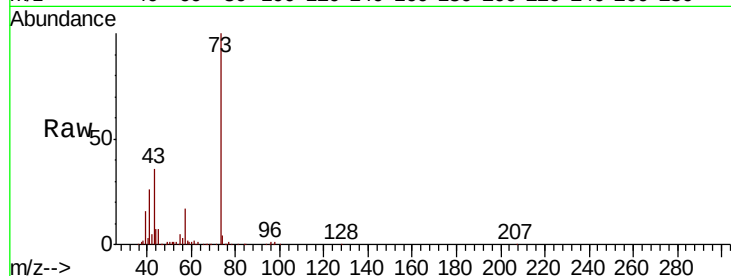
#19
Methyl tert-butyl Ether
Concen: 47.984 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 177146
Ion Ratio Lower Upper
73 100
57 17.0 14.5 21.7

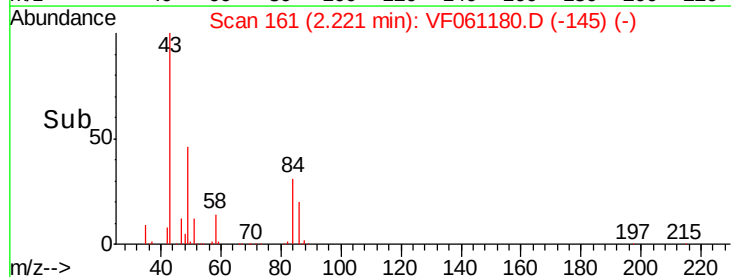
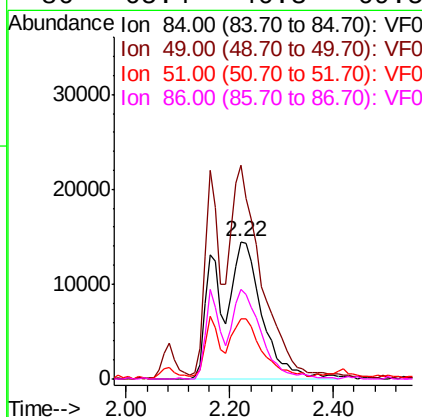
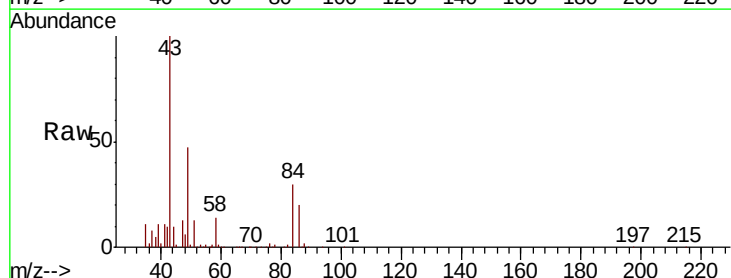
Manual Integrations
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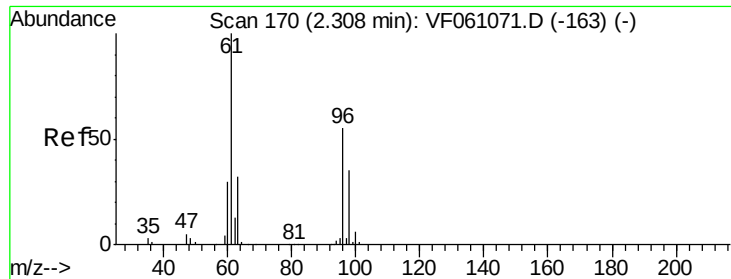
apatel
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#20
Methylene Chloride
Concen: 56.219 ug/l m
RT: 2.22 min Scan# 161
Delta R.T. -0.04 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion: 84 Resp: 86289
Ion Ratio Lower Upper
84 100
49 155.5 129.4 194.2
51 43.5 44.0 66.0#
86 65.4 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 45.761 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

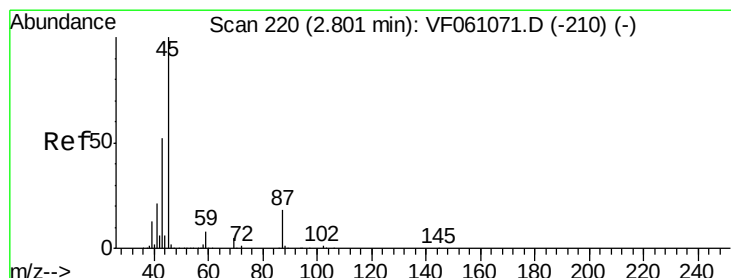
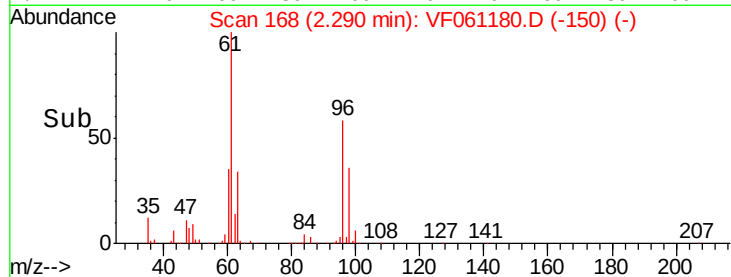
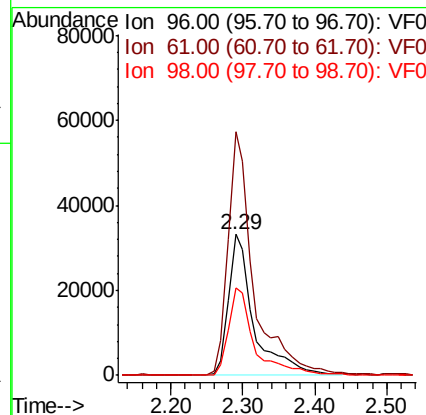
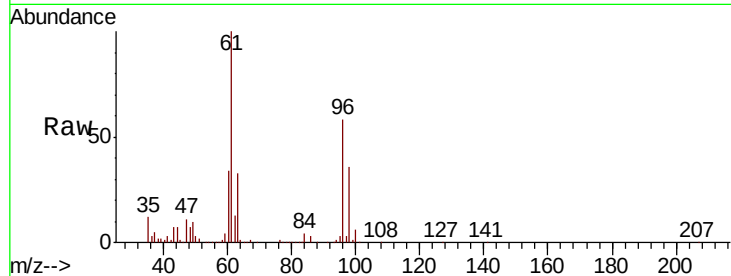
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	81404
Ion	Ratio	Lower	Upper
96	100		
61	172.5	146.0	219.0
98	61.9	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.081 ug/l

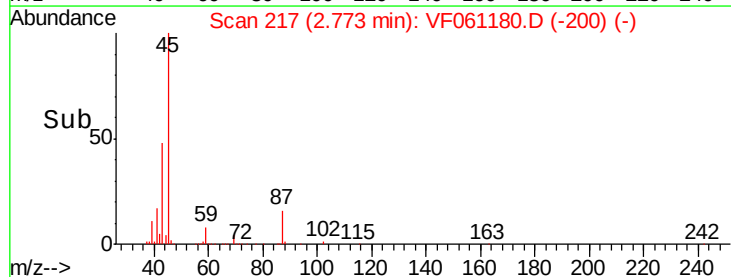
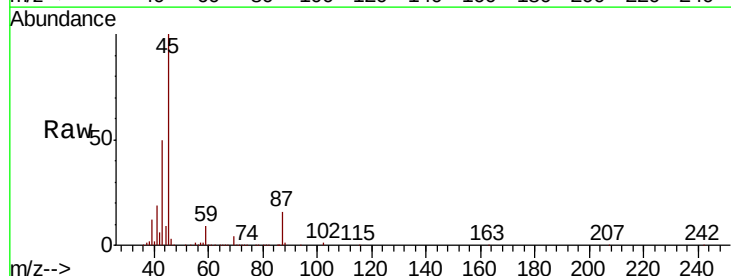
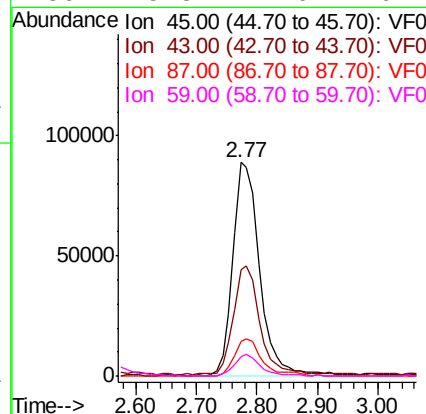
RT: 2.77 min Scan# 217

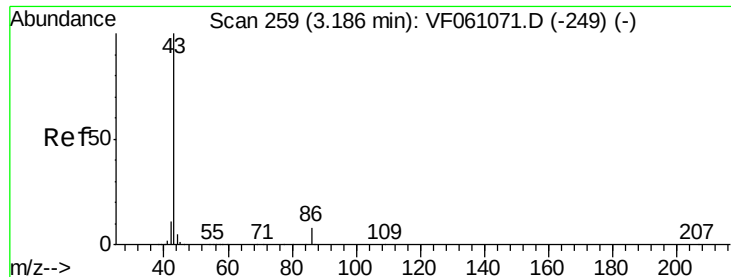
Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	45	Resp:	271444
Ion	Ratio	Lower	Upper
45	100		
43	49.5	42.2	63.2
87	16.4	14.6	22.0
59	8.8	7.0	10.4





#23

Vinyl Acetate

Concen: 240.479 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 639616

Ion Ratio Lower Upper

43 100

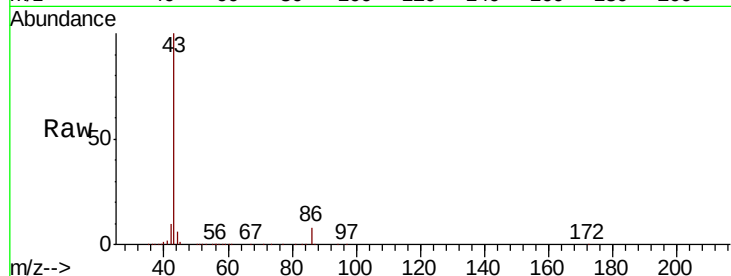
86 8.3 6.3 9.5

Manual Integrations

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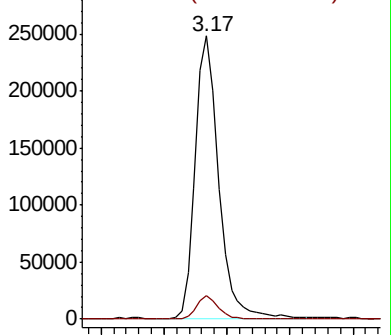
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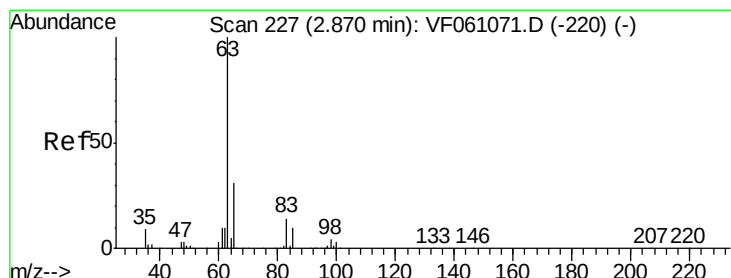
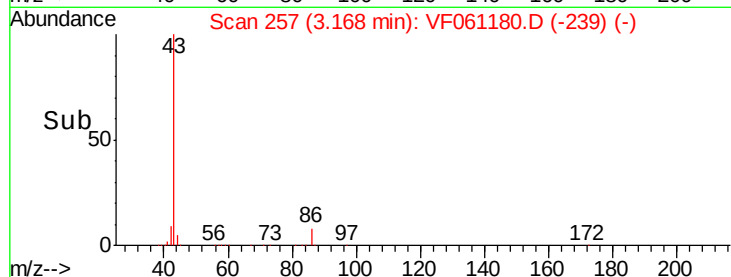


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 46.936 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

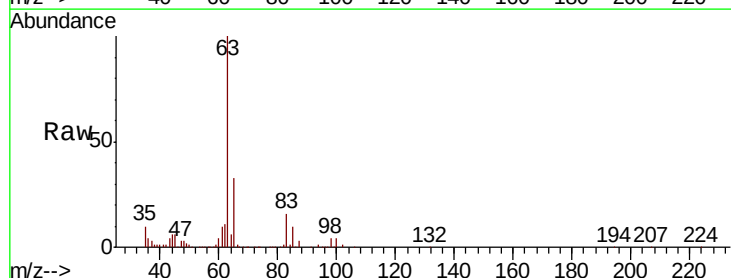
Tgt Ion: 63 Resp: 160336

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

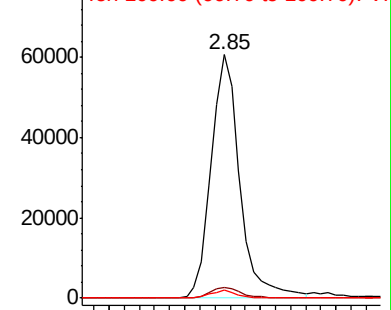
100 3.6 1.7 5.1



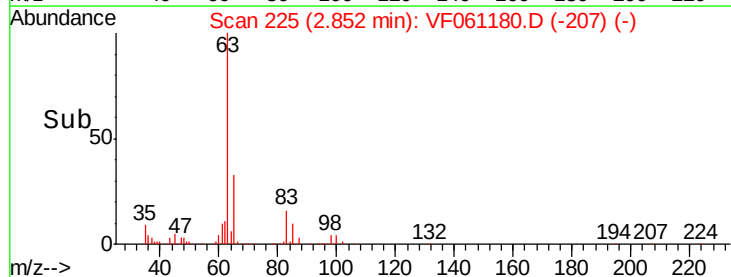
Abundance Ion 63.00 (62.70 to 63.70): VF0

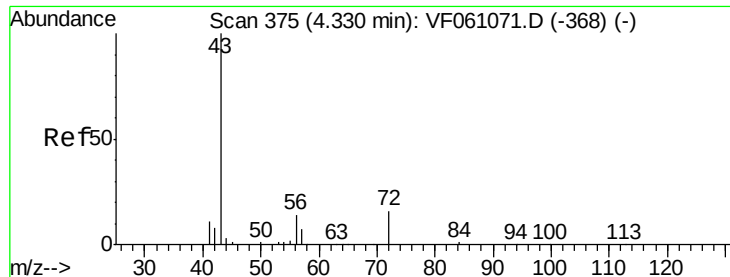
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 228.193 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 179542

Ion Ratio Lower Upper

43 100

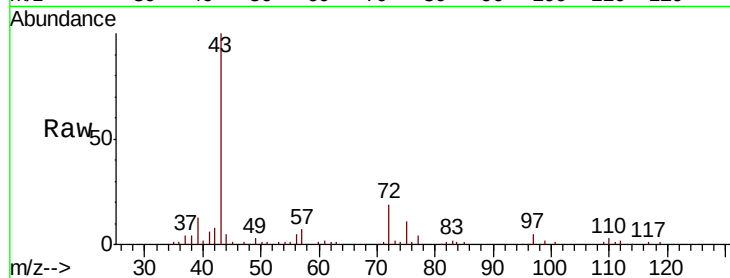
72 18.9 15.6 23.4

Manual Integrations

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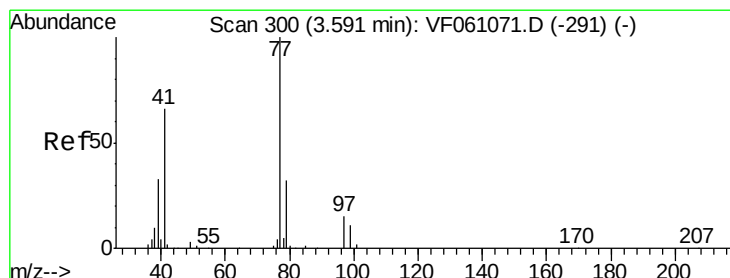
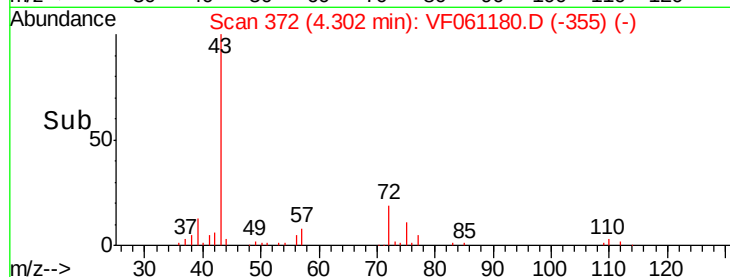
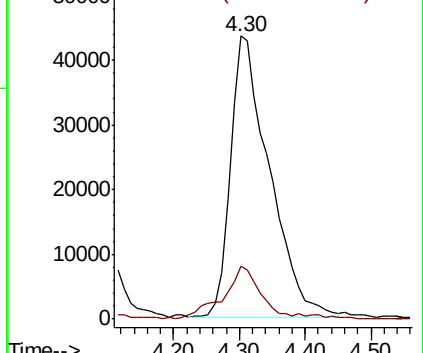
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.464 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.02 min

Lab File: VF061180.D

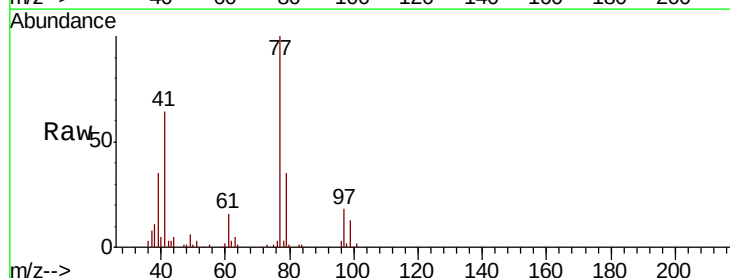
Acq: 26 Dec 2018 11:03

Tgt Ion: 77 Resp: 98929

Ion Ratio Lower Upper

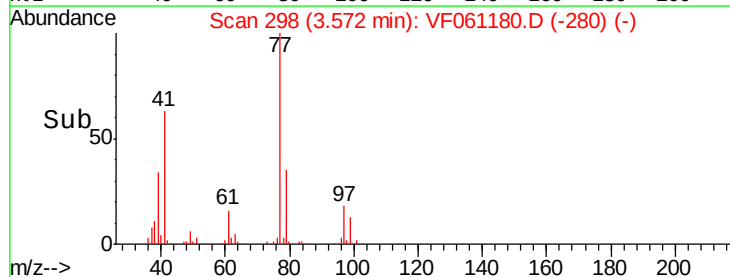
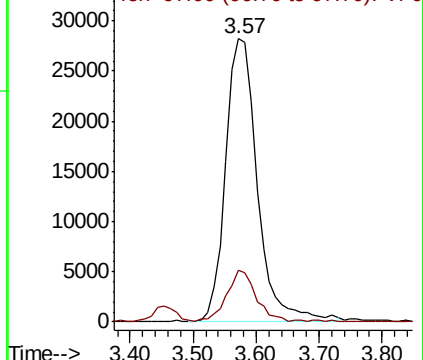
77 100

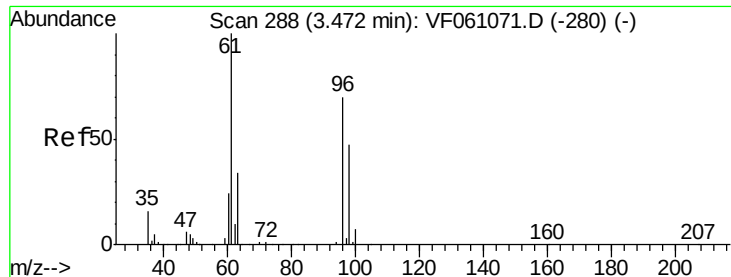
97 18.4 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

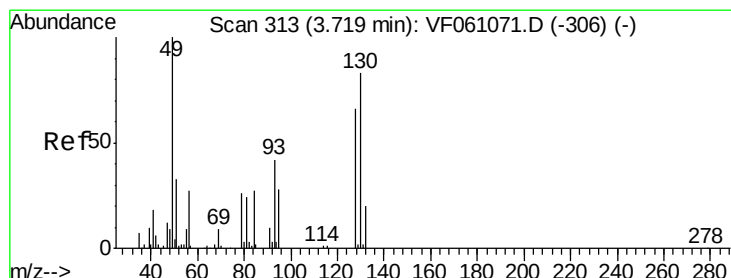
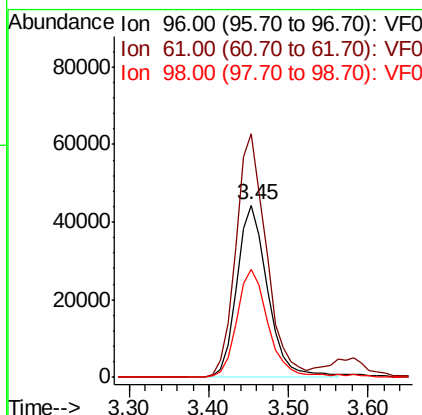
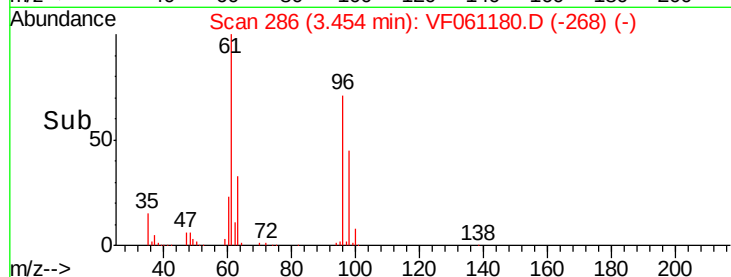
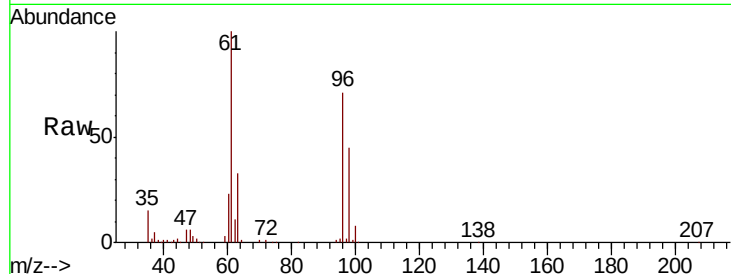
cis-1,2-Dichloroethene
Concen: 43.821 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119341		
61	141.2	0.0	287.8	
98	62.9	0.0	134.2	

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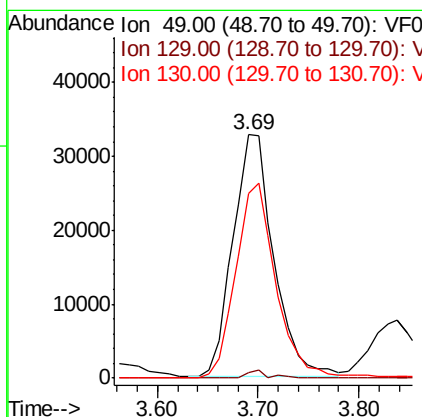
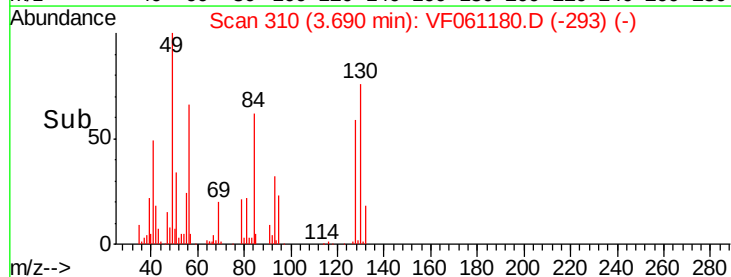
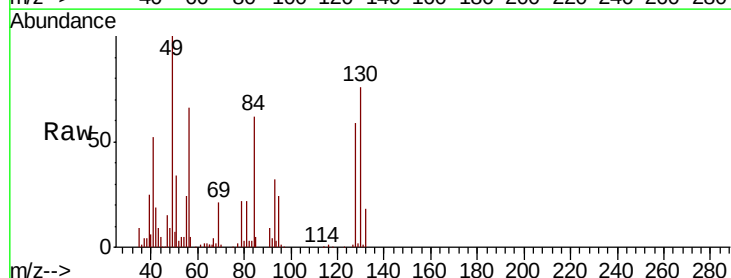
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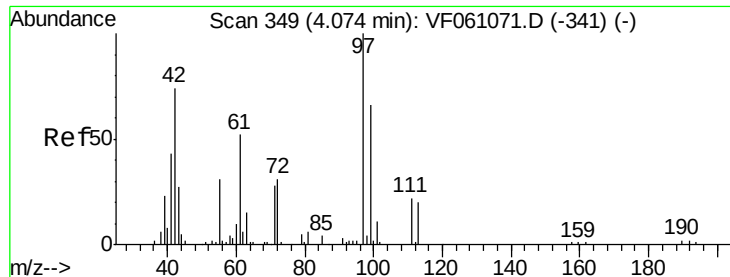


#28

Bromochloromethane
Concen: 53.129 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92088		
129	2.1	0.0	3.6	
130	76.0	65.8	98.6	





#29

Tetrahydrofuran

Concen: 233.378 ug/l

RT: 4.05 min Scan# 346

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

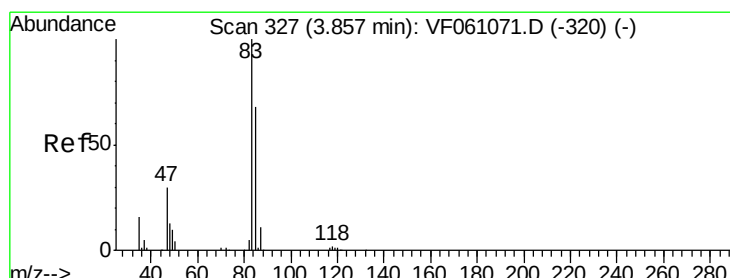
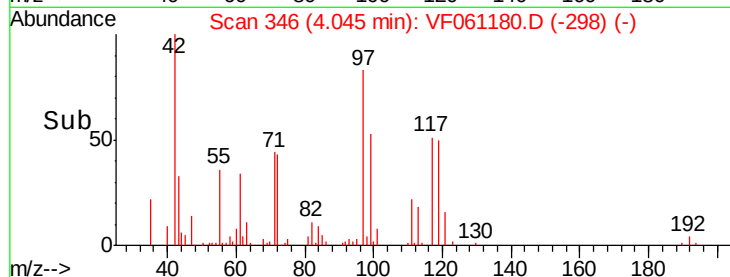
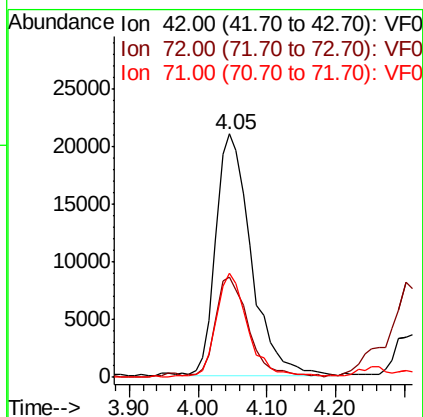
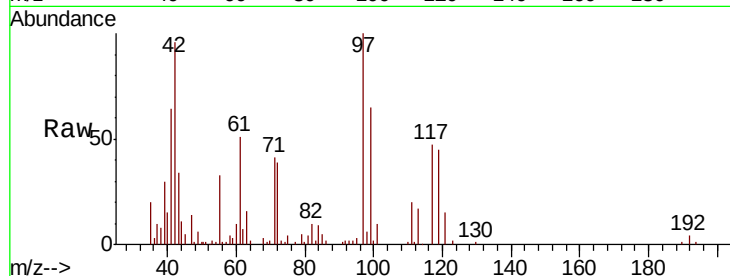
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	74736
Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.8	47.8
71	39.1	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 46.346 ug/l

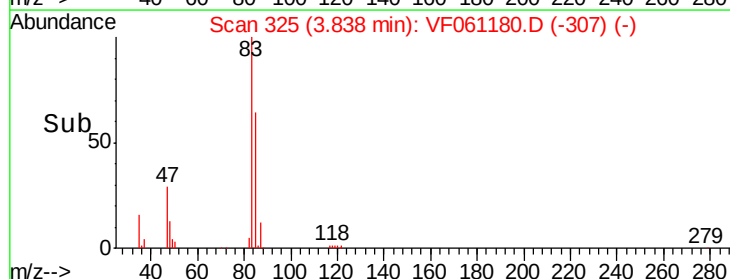
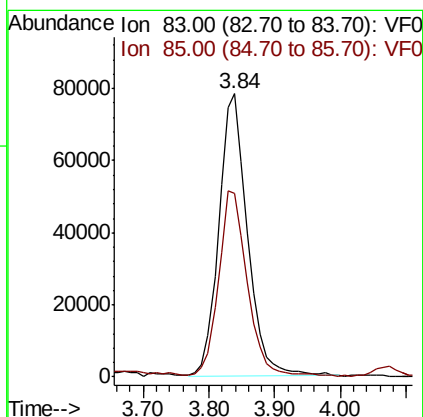
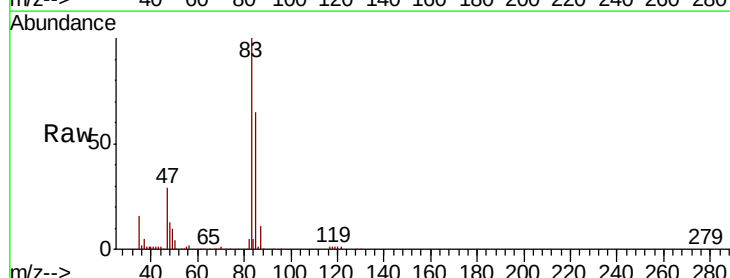
RT: 3.84 min Scan# 325

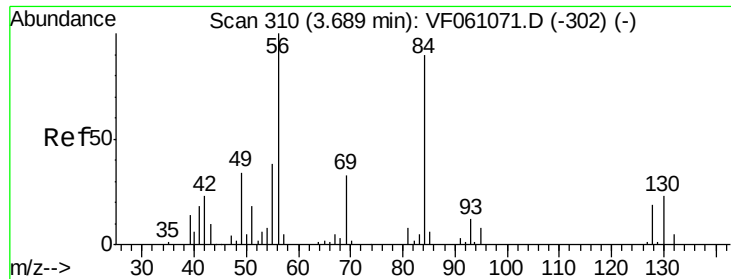
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	83	Resp:	237389
Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.5	81.7





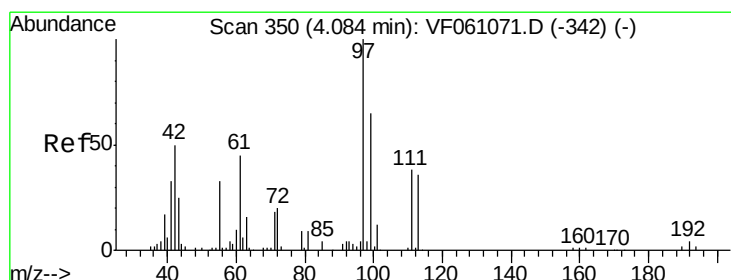
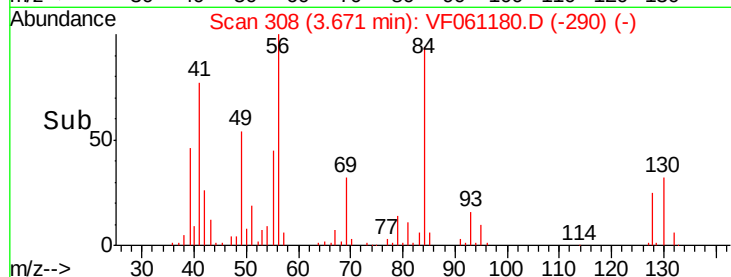
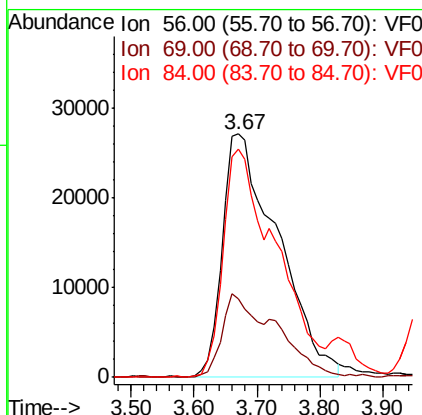
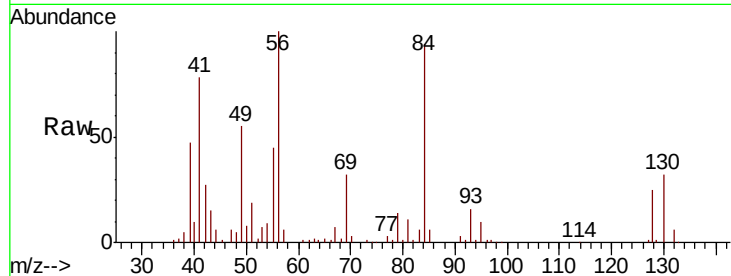
#31
Cyclohexane
Concen: 46.611 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.0	39.0
84	93.6	71.4	107.2

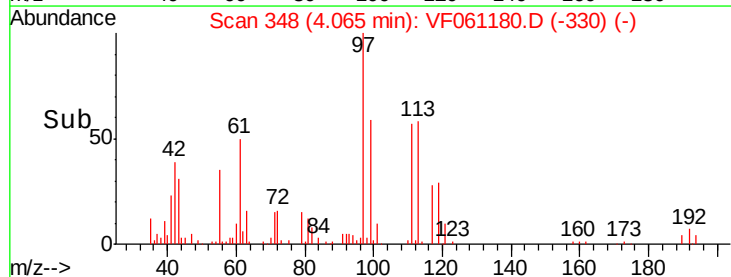
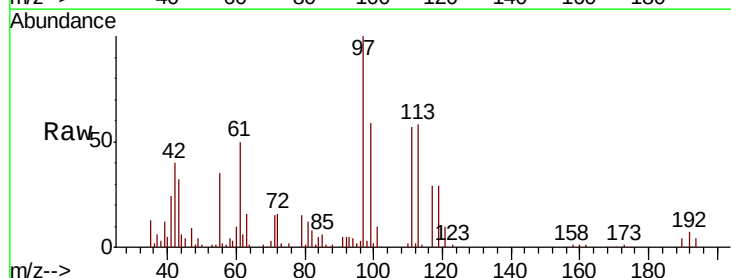
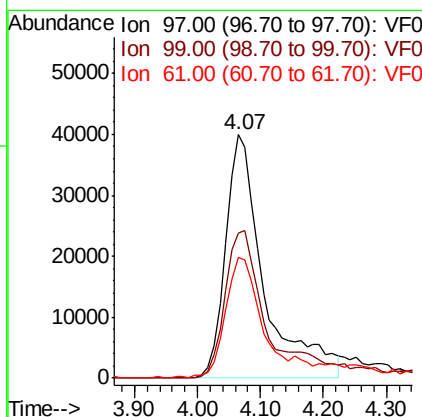
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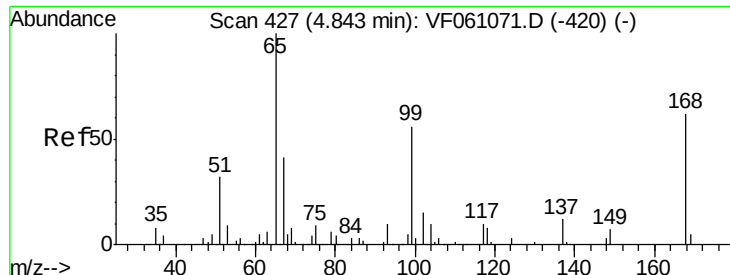
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#32
1,1,1-Trichloroethane
Concen: 55.444 ug/l
RT: 4.07 min Scan# 348
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	51.6	77.4
61	49.8	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 47.588 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tot Ion: 65 Resp: 115485

Ion Ratio Lower Upper

65 100

67 46.4 0.0 94.6

Instrument :

MSVOA_F

ClientSampleId :

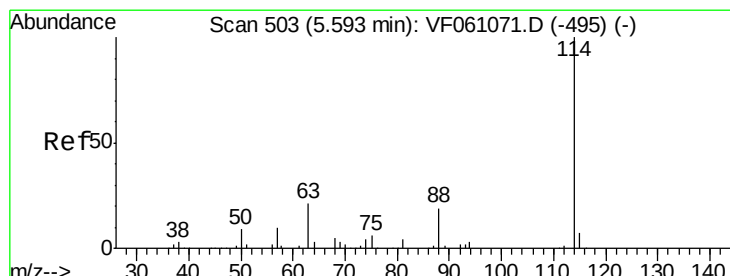
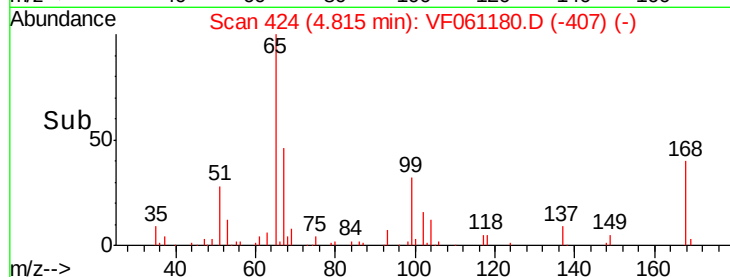
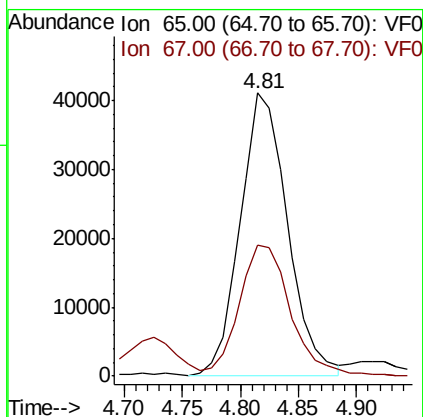
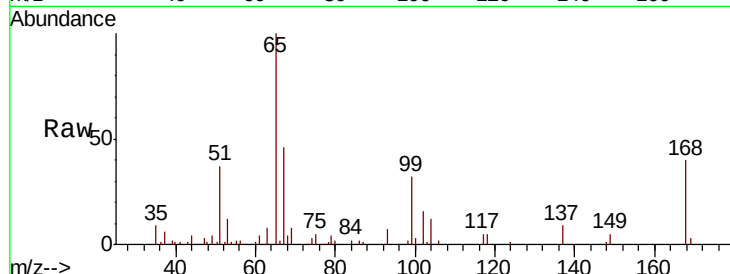
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

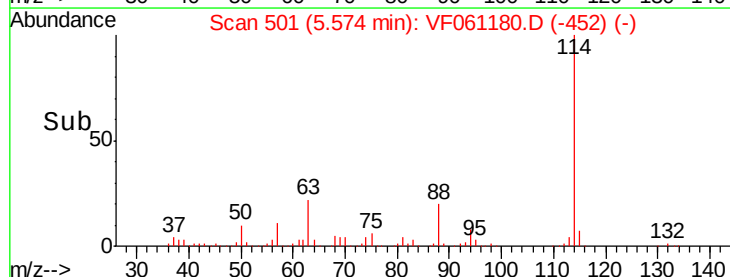
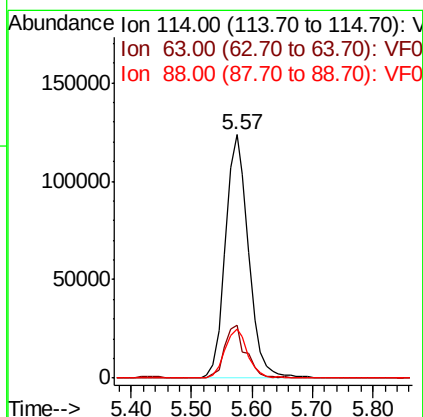
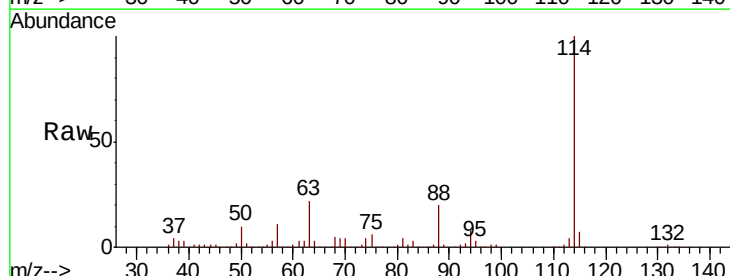
Tgt Ion: 114 Resp: 328655

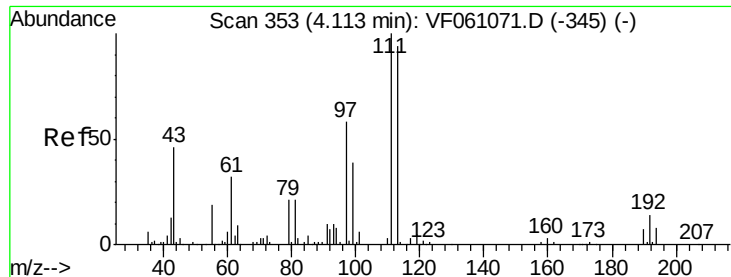
Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

88 20.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 49.742 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

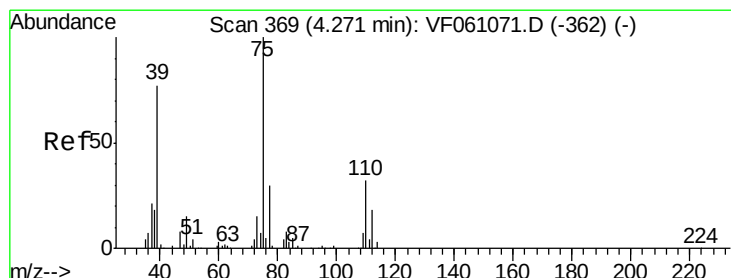
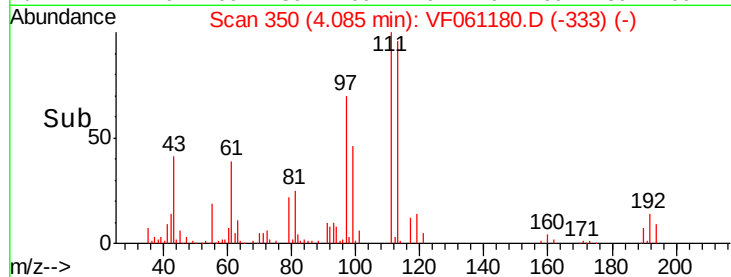
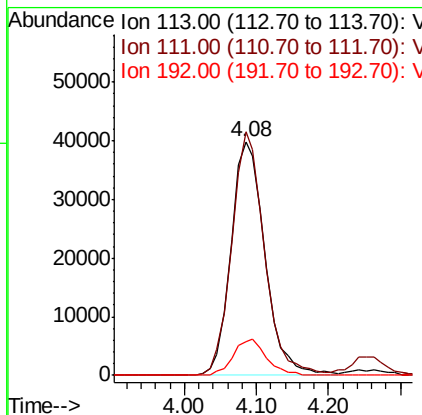
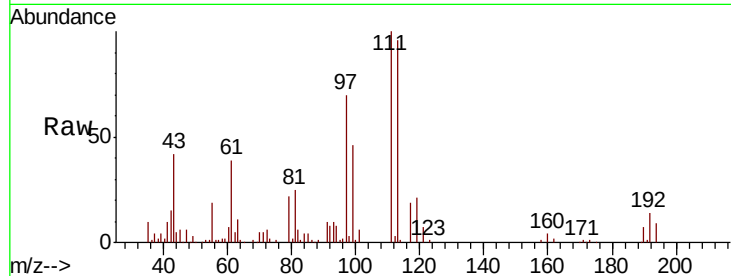
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	130956
Ion Ratio	Lower	Upper	
113	100		
111	104.3	85.2	127.8
192	14.7	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 42.655 ug/l

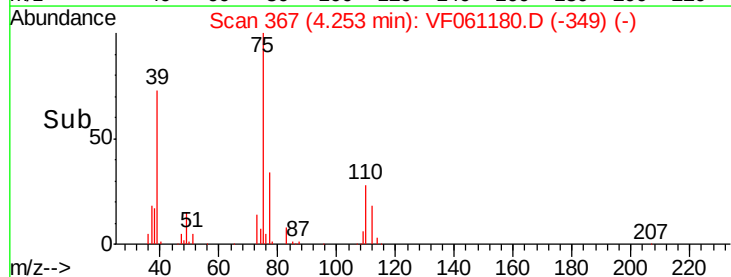
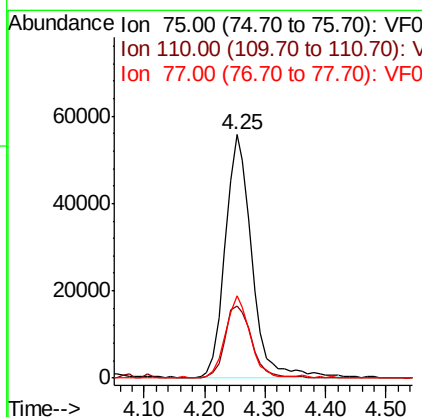
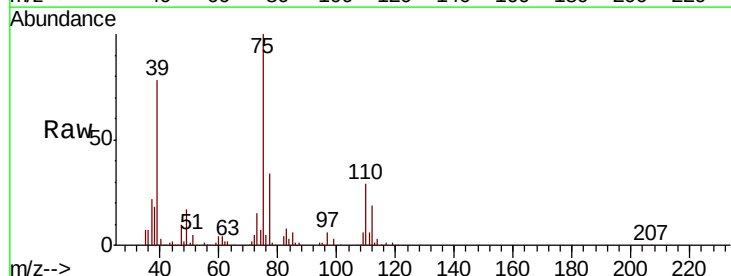
RT: 4.25 min Scan# 367

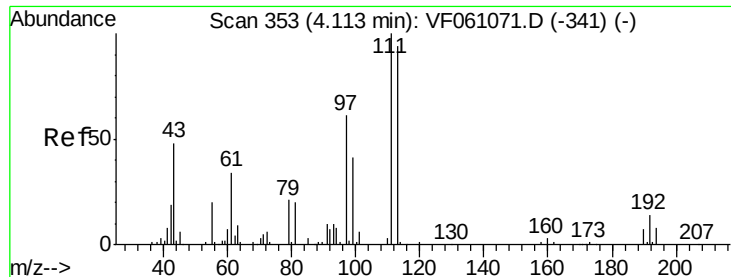
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	75	Resp:	169217
Ion Ratio	Lower	Upper	
75	100		
110	29.4	16.1	48.2
77	34.0	24.5	36.7





#37

Ethyl Acetate

Concen: 43.319 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

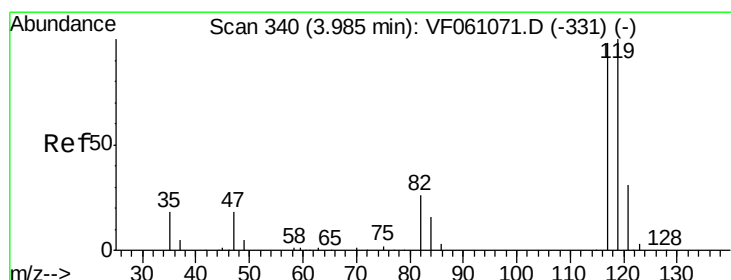
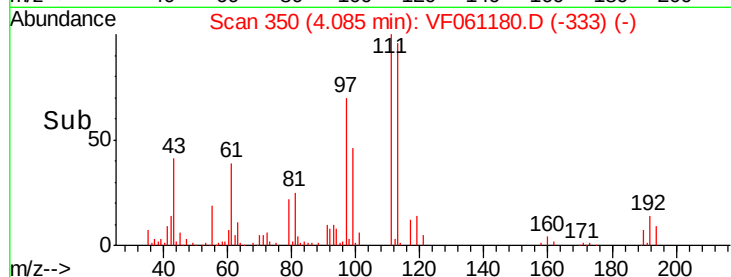
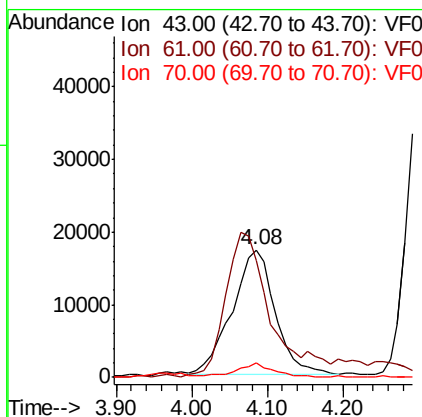
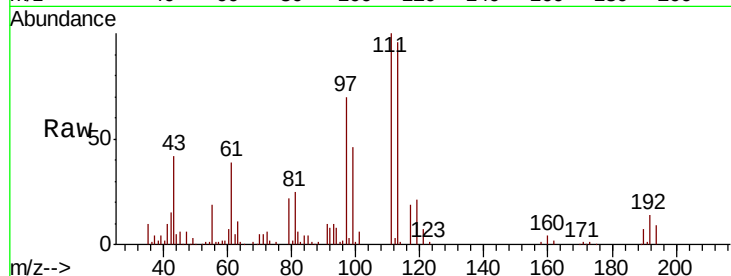
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	68415
Ion Ratio	Lower	Upper	
43	100		
61	91.5	56.6	84.8#
70	11.5	6.3	9.5#

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#38

Carbon Tetrachloride

Concen: 49.318 ug/l

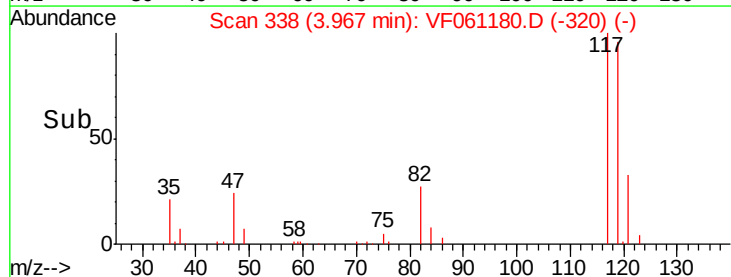
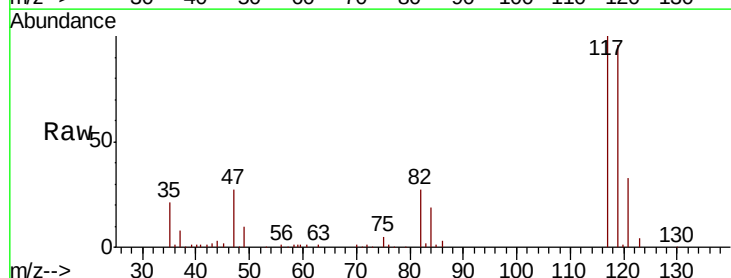
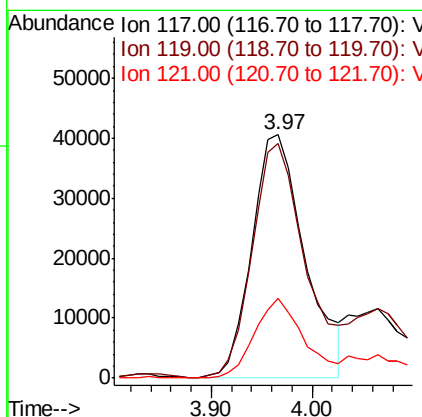
RT: 3.97 min Scan# 338

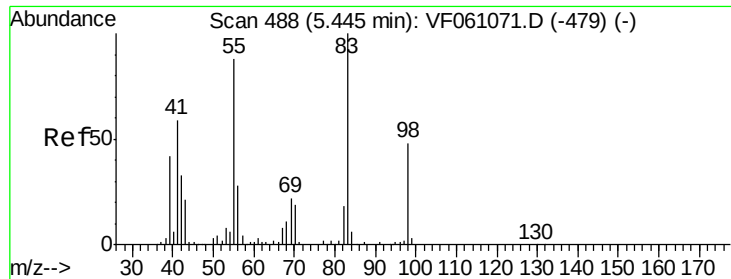
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	117	Resp:	148994
Ion Ratio	Lower	Upper	
117	100		
119	96.5	82.1	123.1
121	32.5	25.5	38.3





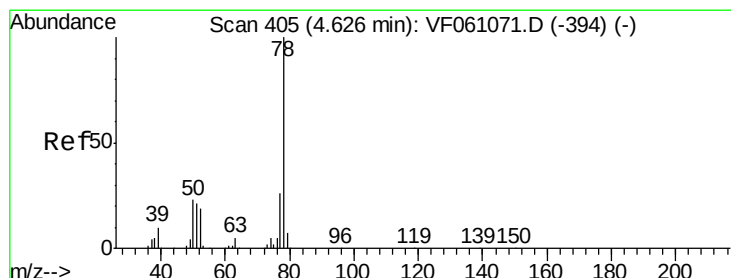
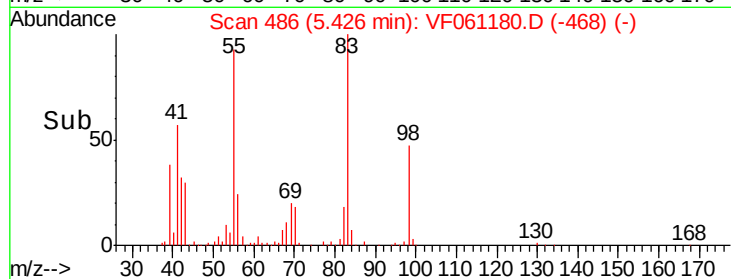
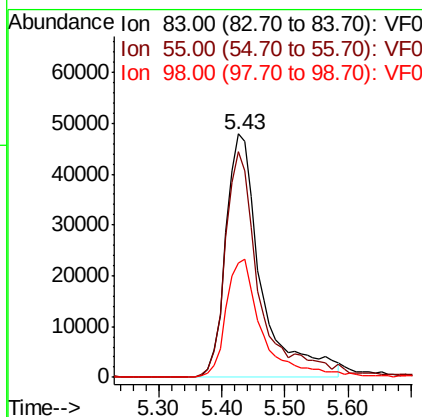
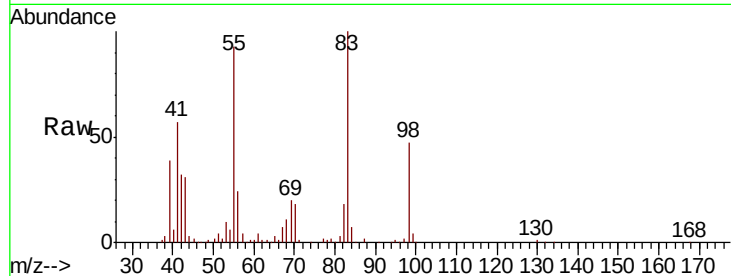
#39
Methylvlcyclohexane
Concen: 52.453 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.9	70.6	105.8
98	47.0	38.5	57.7

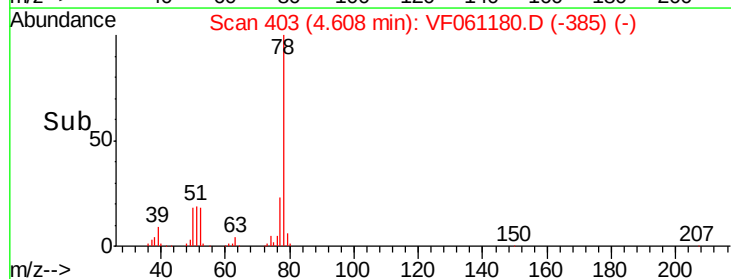
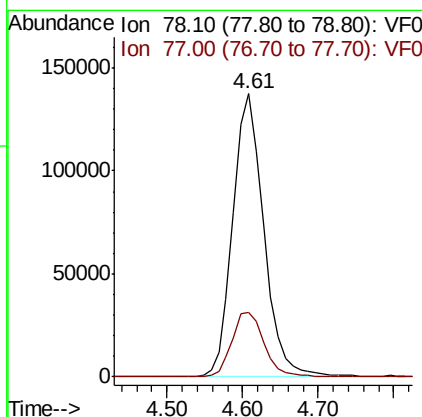
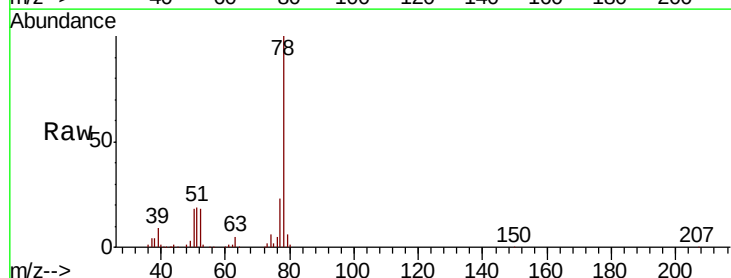
Manual Integrations
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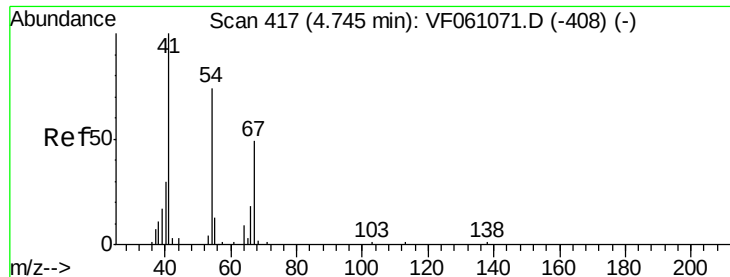
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#40
Benzene
Concen: 45.756 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.7	31.1





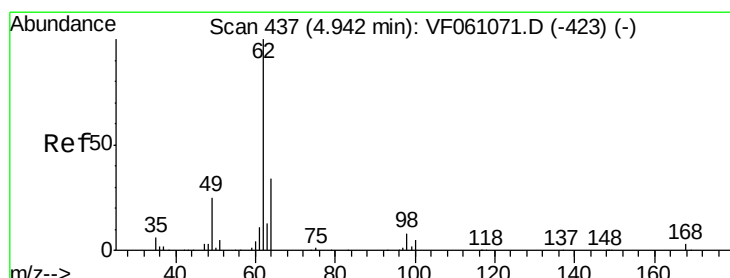
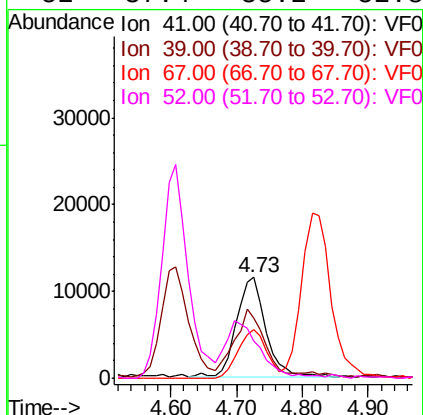
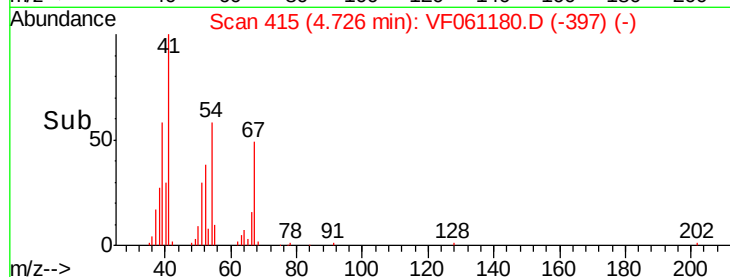
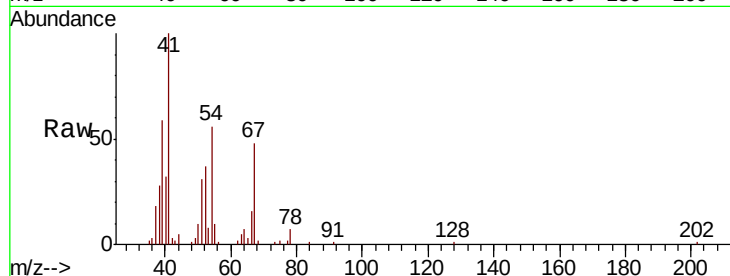
#41
Methacrylonitrile
Concen: 43.262 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	59.3	45.7	68.5		
67	48.3	38.9	58.3		
52	37.4	35.2	52.8		

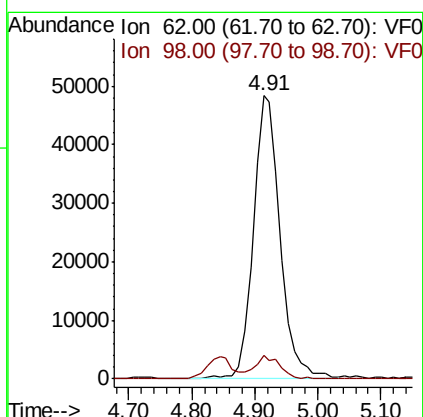
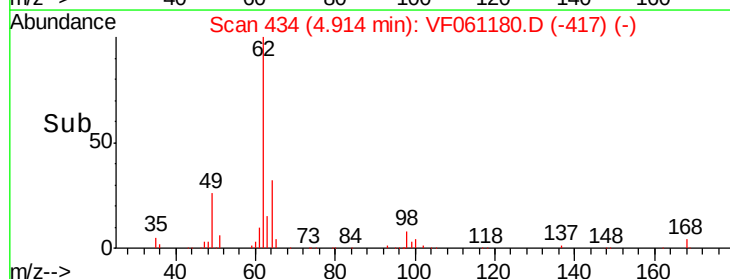
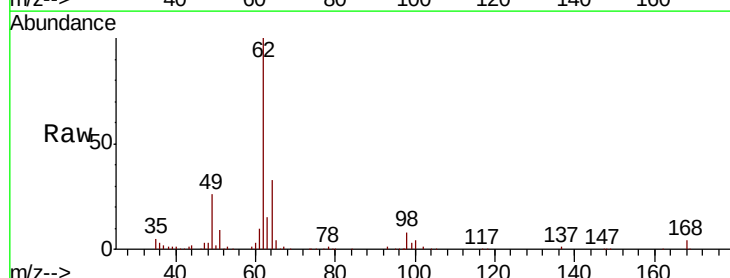
Manual Integrations
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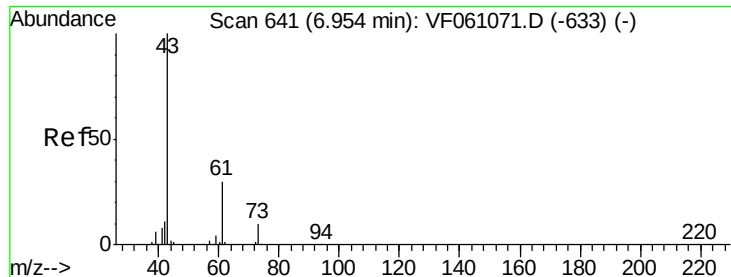
apatel
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#42
1,2-Dichloroethane
Concen: 44.324 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.3	0.0	16.6		





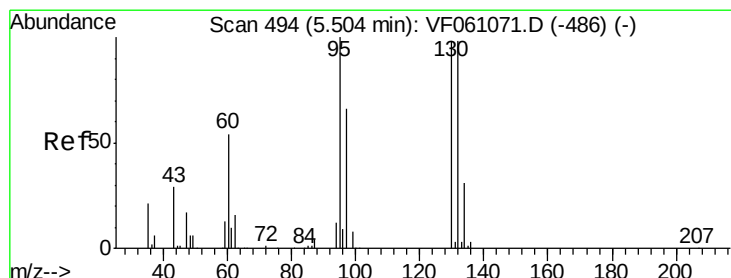
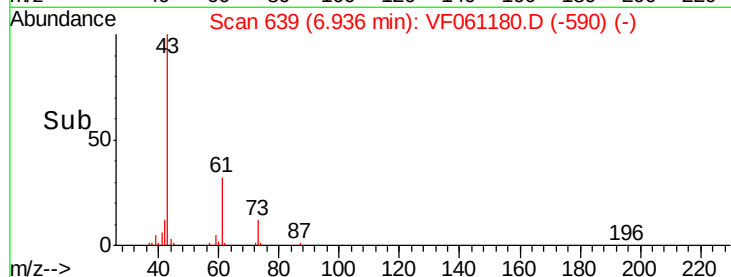
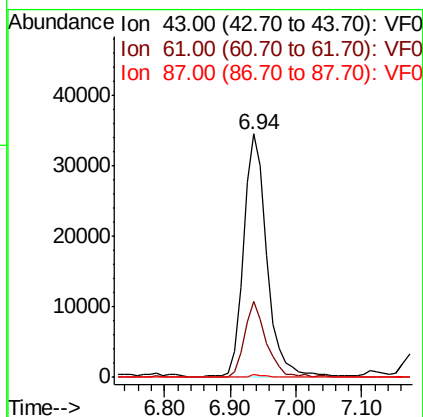
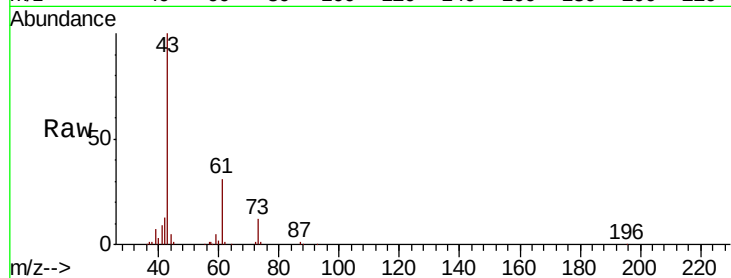
#43
Isopropyl Acetate
Concen: 45.174 ug/l
RT: 6.94 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.8	35.8
87	1.1	0.0	0.0#

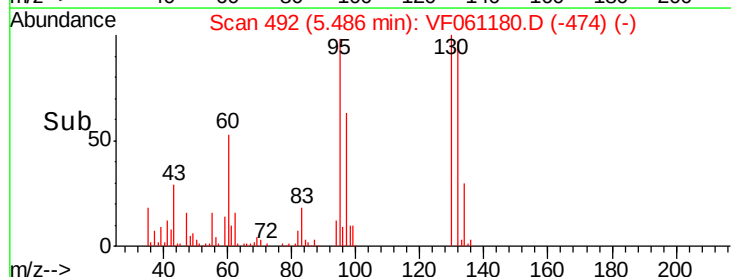
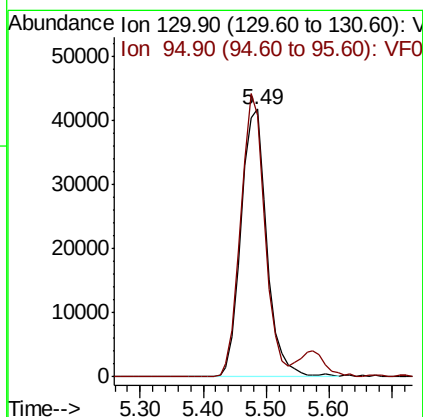
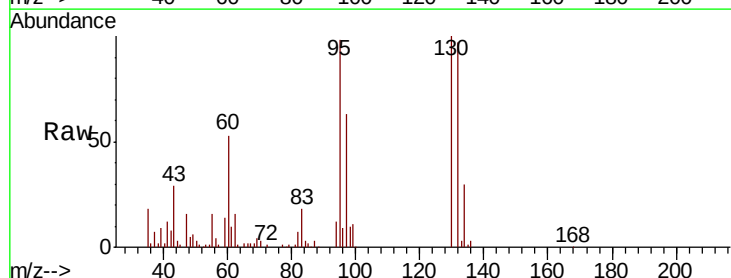
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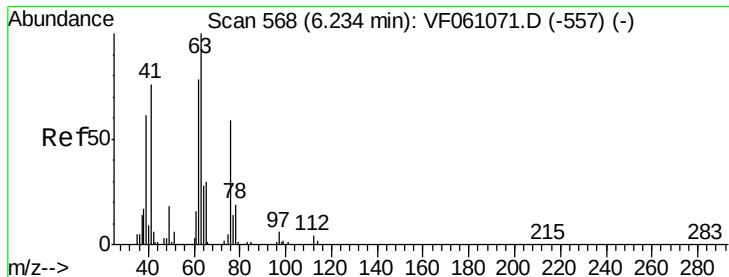
apatel
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#44
Trichloroethene
Concen: 44.039 ug/l
RT: 5.49 min Scan# 492
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	205.2





#45

1,2-Dichloropropane

Concen: 40.275 ug/l

RT: 6.21 min Scan# 565

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 93482

Ion Ratio Lower Upper

63 100

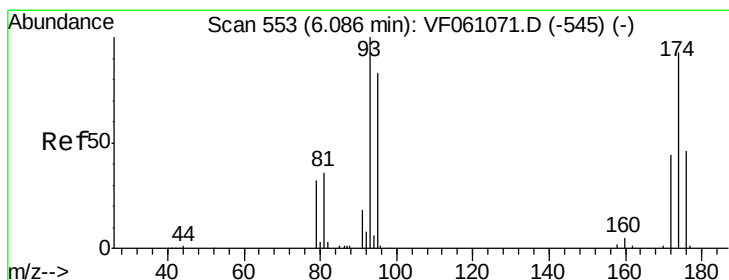
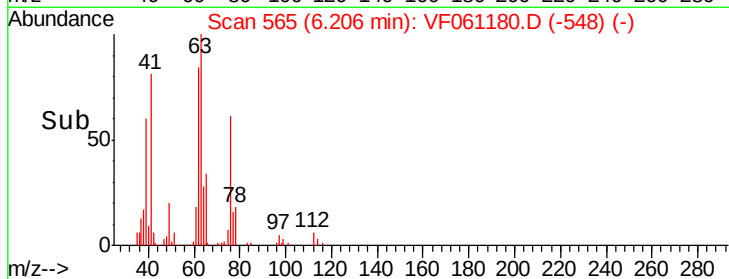
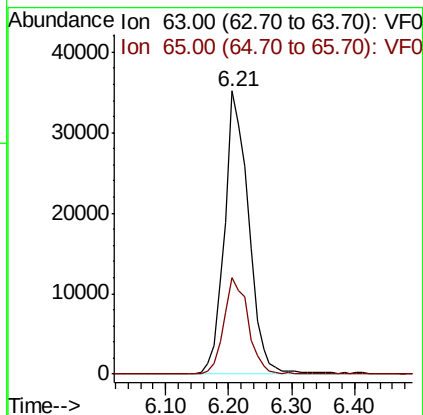
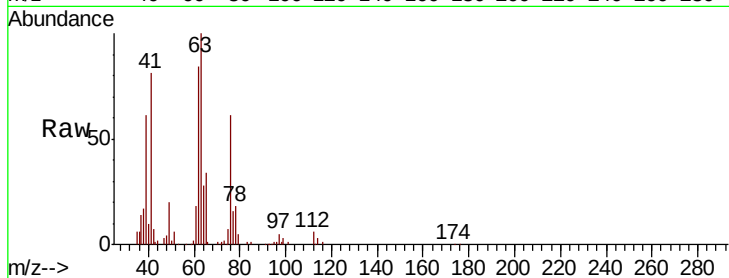
65 34.0 24.4 36.6

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#46

Dibromomethane

Concen: 44.571 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

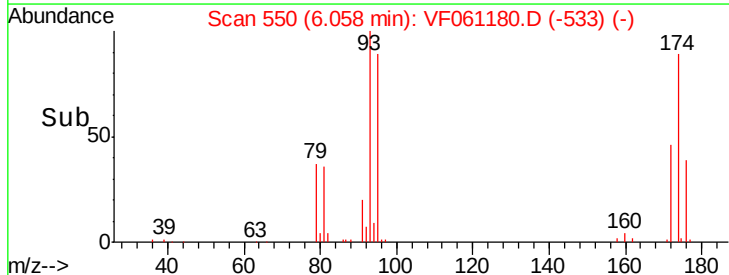
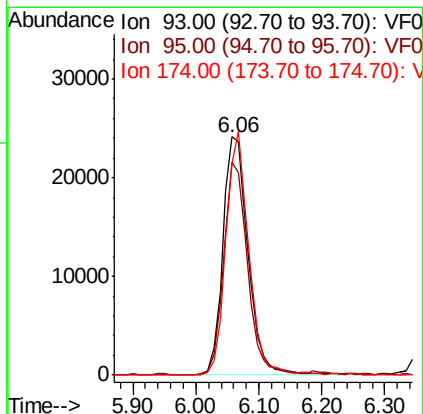
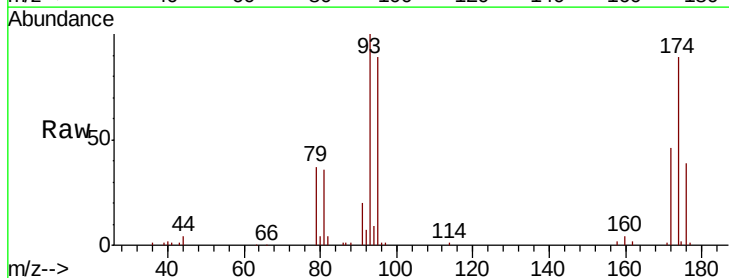
Tgt Ion: 93 Resp: 67098

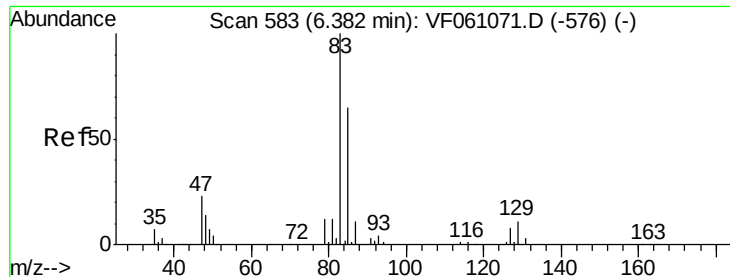
Ion Ratio Lower Upper

93 100

95 89.4 66.9 100.3

174 90.2 74.1 111.1





#47

Bromodichloromethane

Concen: 44.656 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

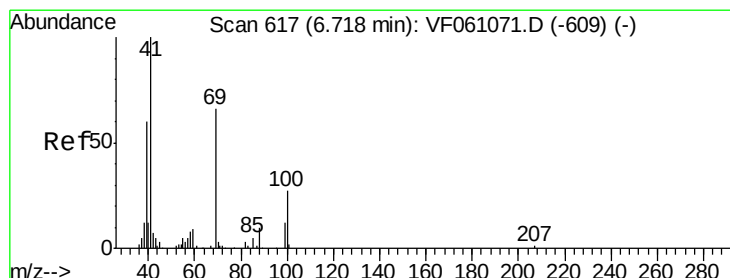
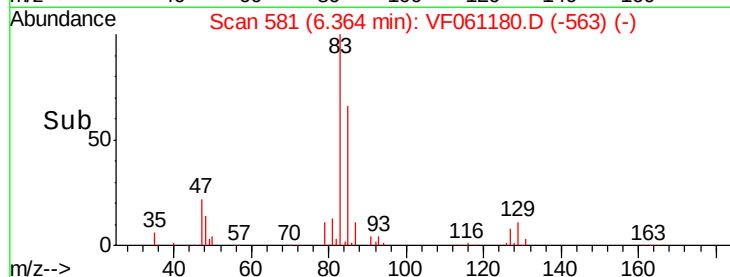
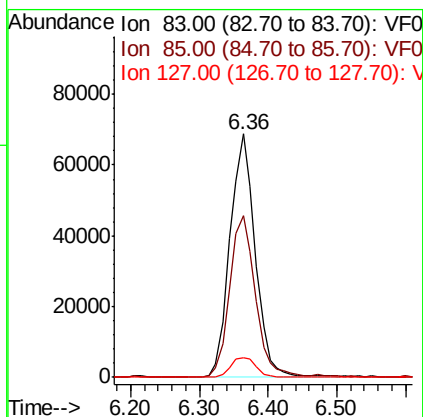
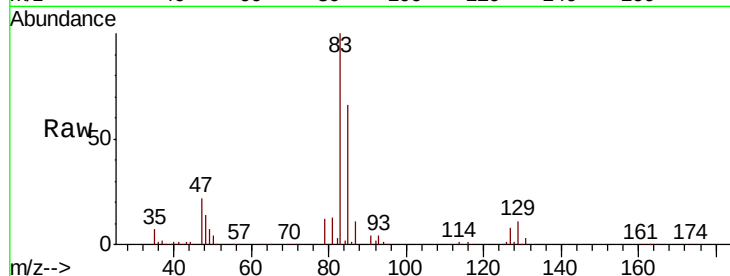
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174670
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.2	78.4
127	8.2	6.1	9.1

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#48

Methyl methacrylate

Concen: 46.788 ug/l

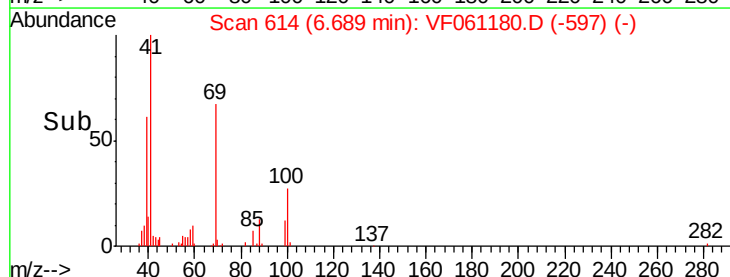
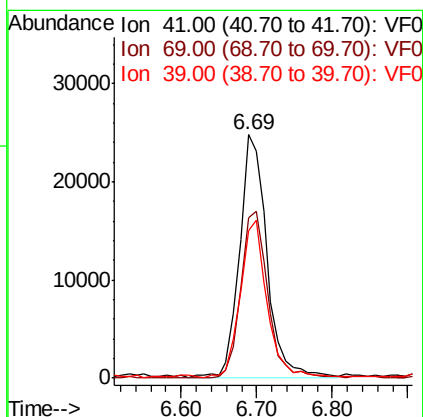
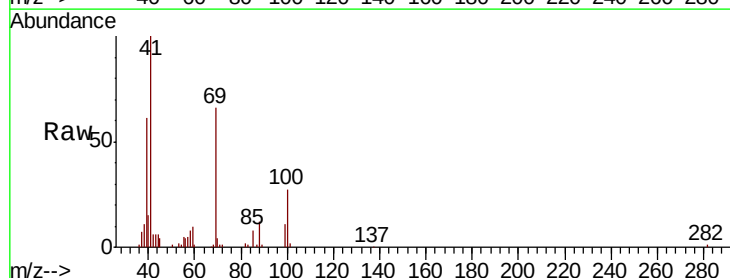
RT: 6.69 min Scan# 614

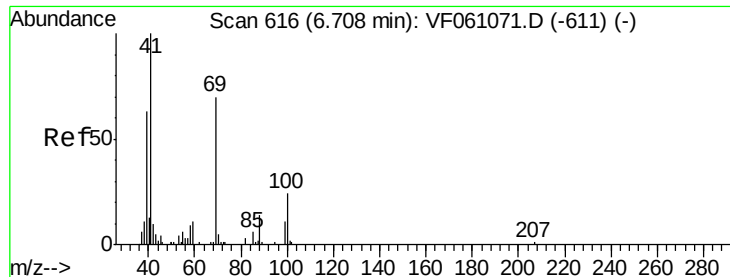
Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	41	Resp:	62566
Ion	Ratio	Lower	Upper
41	100		
69	65.7	52.7	79.1
39	60.8	47.8	71.6





#49

1,4-Dioxane

Concen: 868.295 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

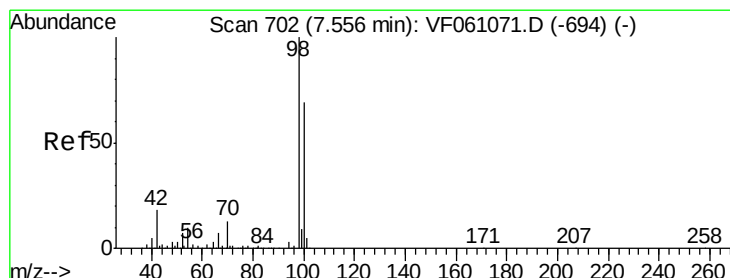
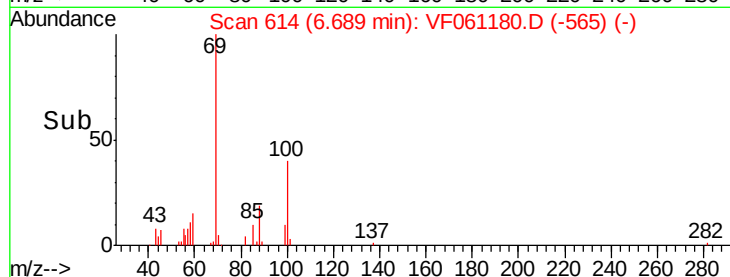
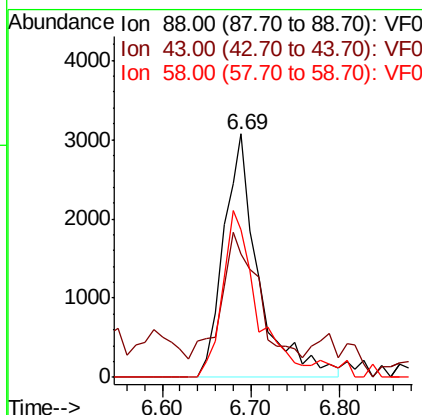
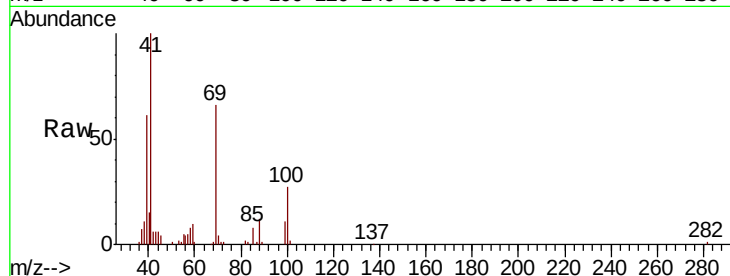
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	8425
Ion	Ratio	Lower	Upper
88	100		
43	50.9	33.3	49.9#
58	60.6	53.2	79.8

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#50

Toluene-d8

Concen: 49.186 ug/l

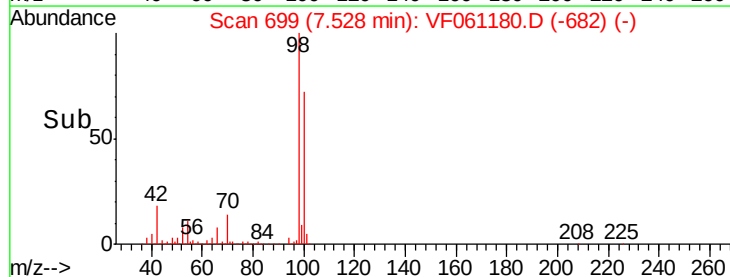
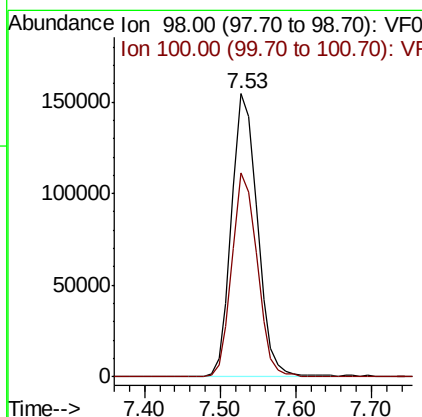
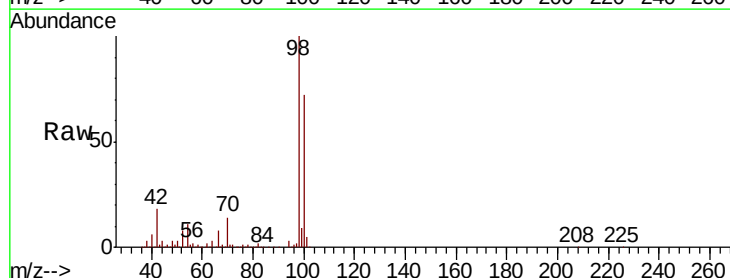
RT: 7.53 min Scan# 699

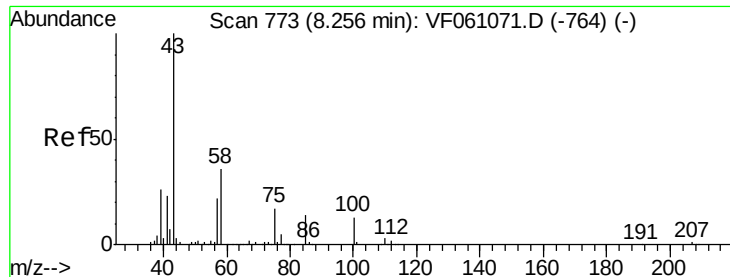
Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	98	Resp:	366965
Ion	Ratio	Lower	Upper
98	100		
100	72.0	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 235.226 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 309016

Ion Ratio Lower Upper

43 100

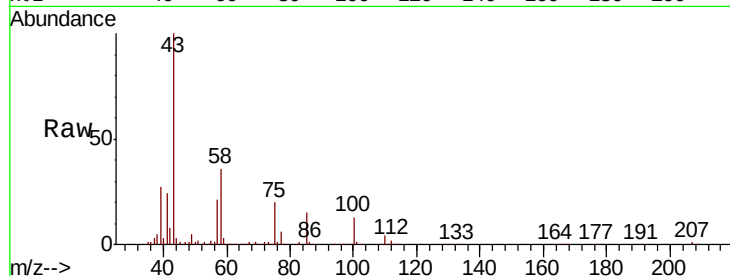
58 36.4 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

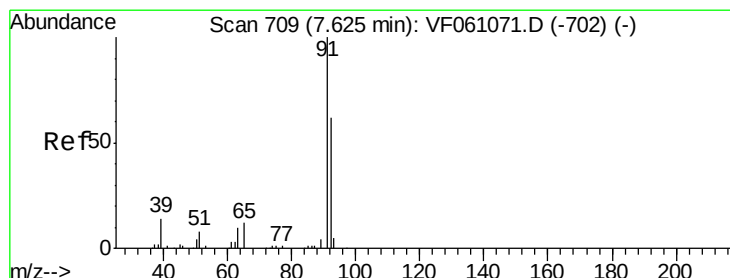
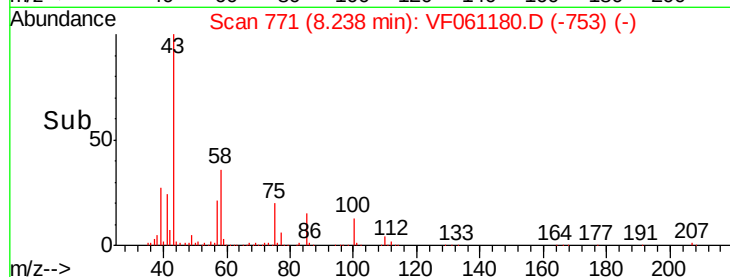
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 44.818 ug/l

RT: 7.60 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF061180.D

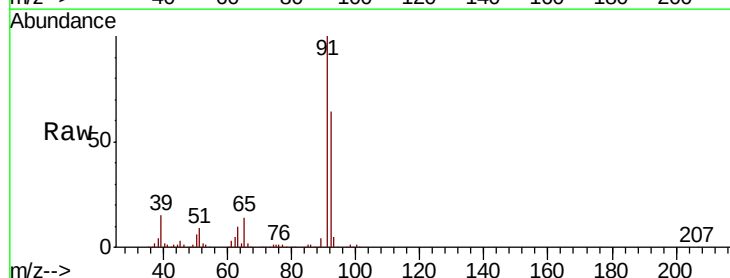
Acq: 26 Dec 2018 11:03

Tgt Ion: 92 Resp: 253100

Ion Ratio Lower Upper

92 100

91 155.6 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

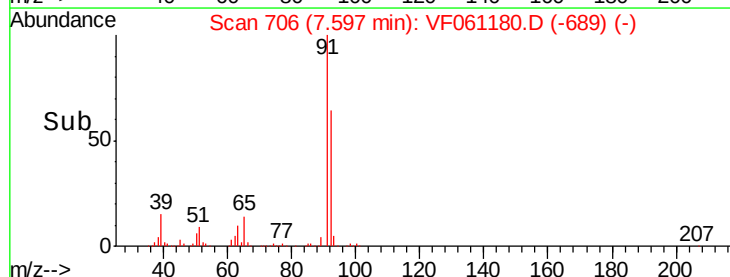
150000

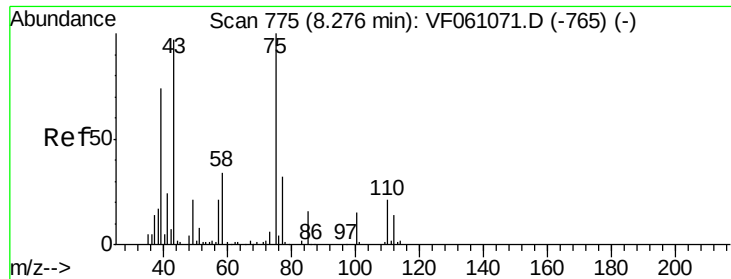
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.240 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.8	38.8

Instrument :

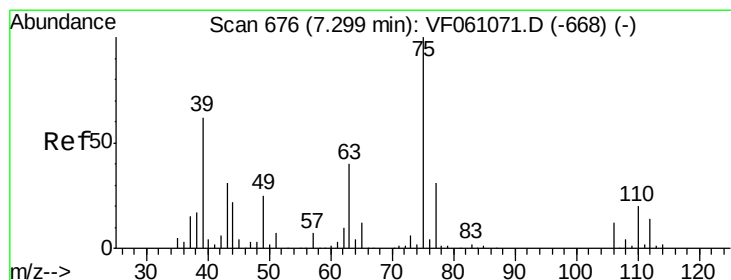
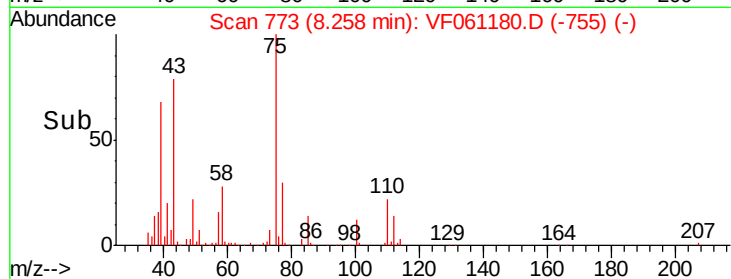
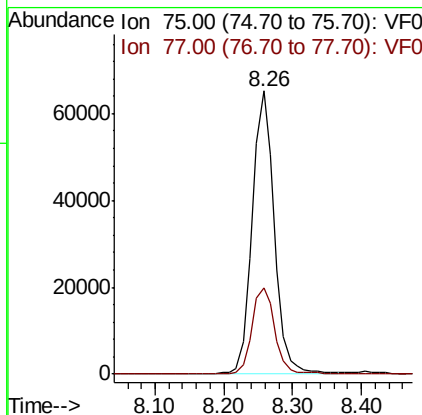
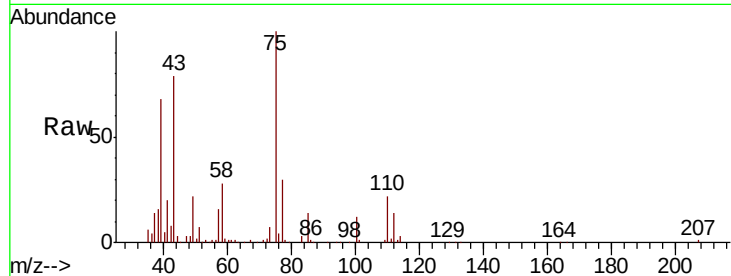
MSVOA_F

ClientSampleId :

VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 46.502 ug/l

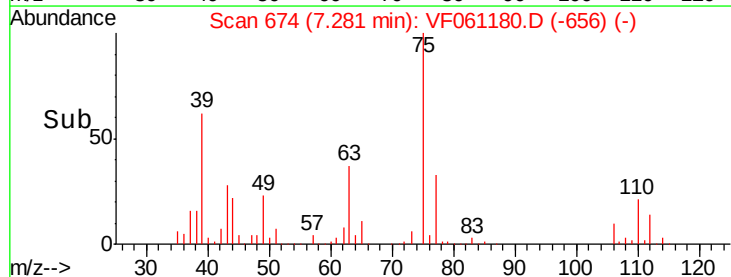
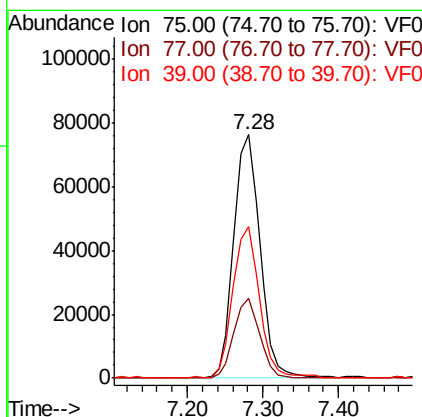
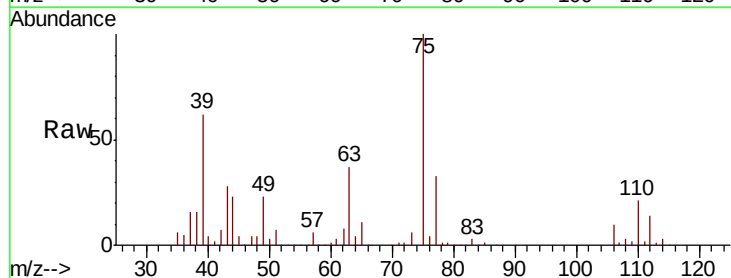
RT: 7.28 min Scan# 674

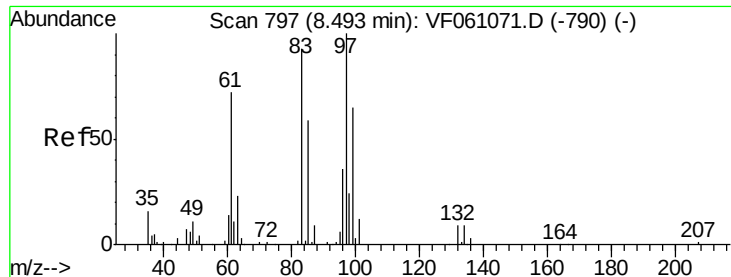
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.0	37.4
39	62.3	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 46.779 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

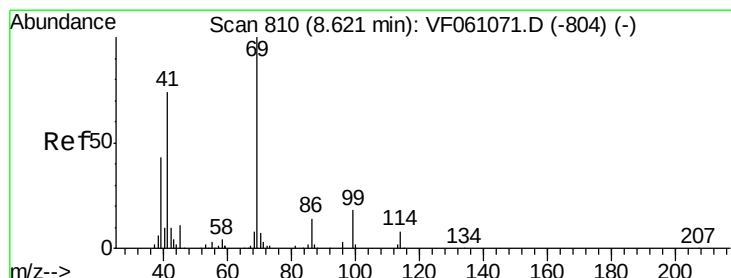
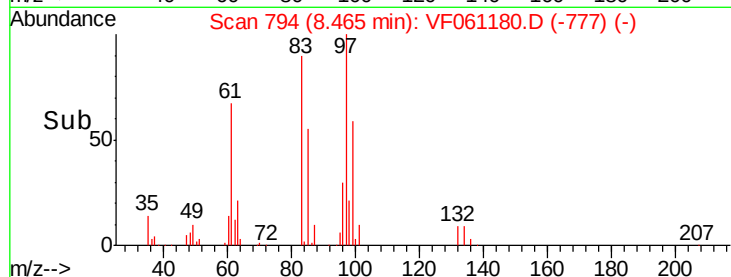
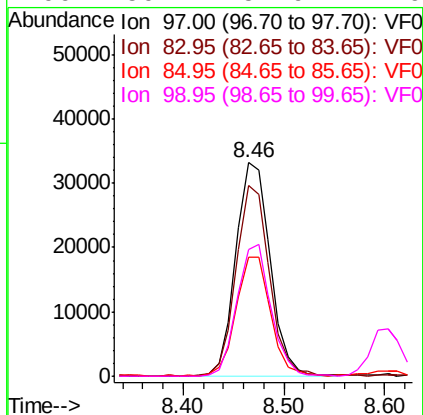
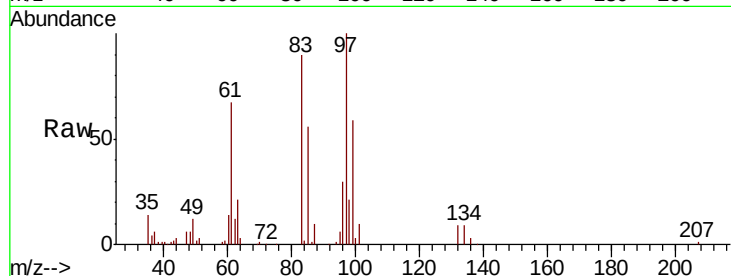
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	79195
Ion	Ratio	Lower	Upper
97	100		
83	89.6	75.0	112.4
85	55.8	47.5	71.3
99	59.1	51.9	77.9

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#56

Ethyl methacrylate

Concen: 46.812 ug/l

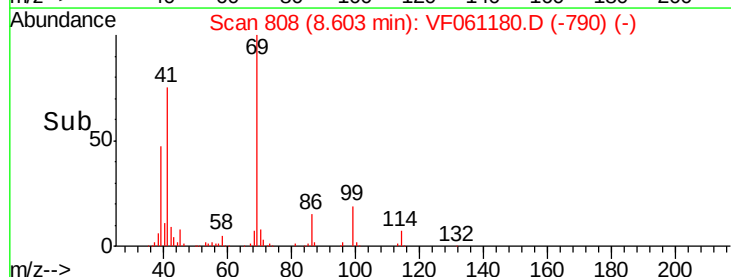
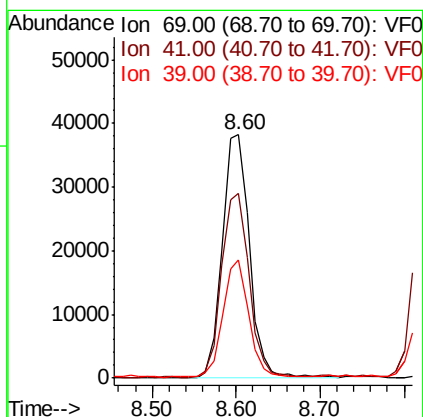
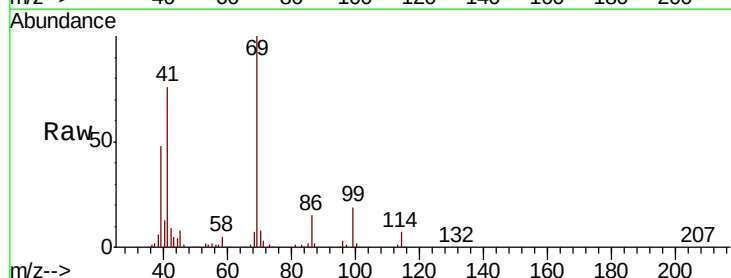
RT: 8.60 min Scan# 808

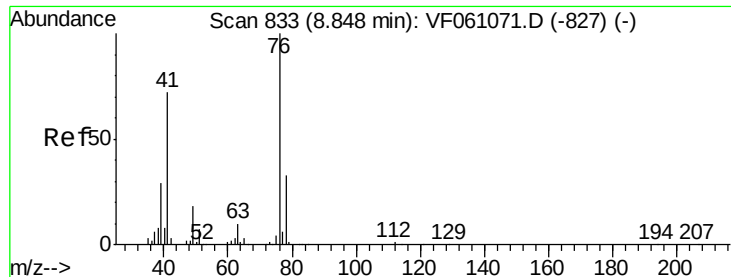
Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	69	Resp:	85755
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.7	89.5
39	48.3	35.0	52.6





#57

1,3-Dichloropropane

Concen: 45.232 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 138498

Ion Ratio Lower Upper

76 100

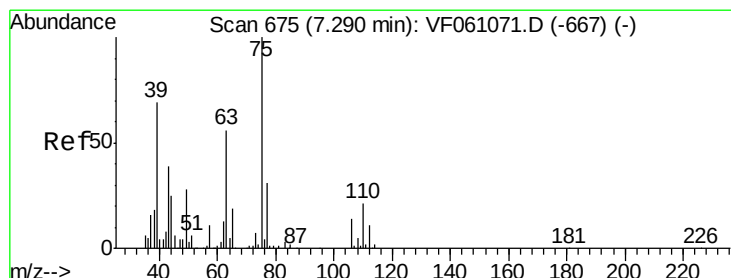
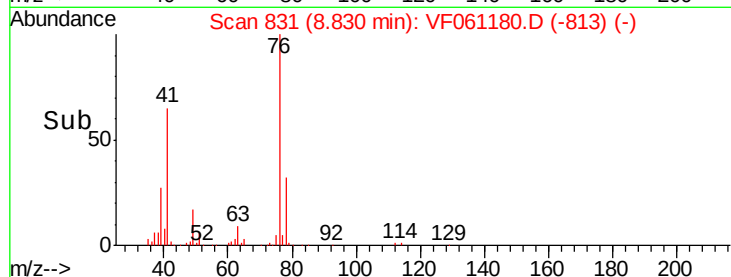
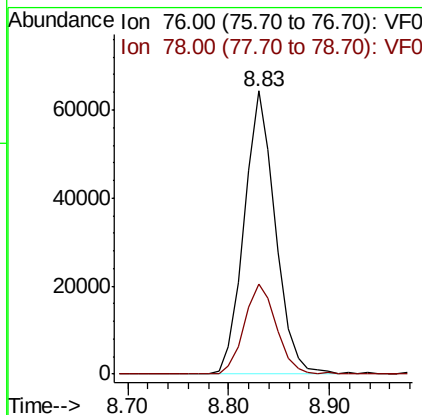
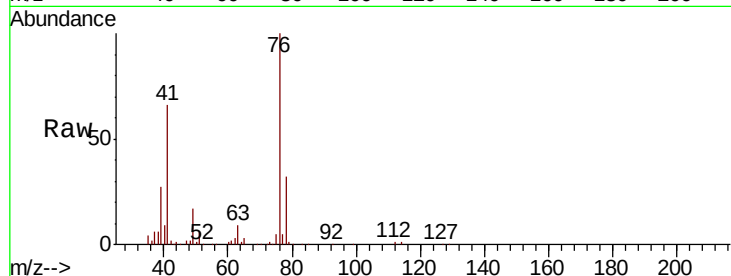
78 31.6 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 210.518 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061180.D

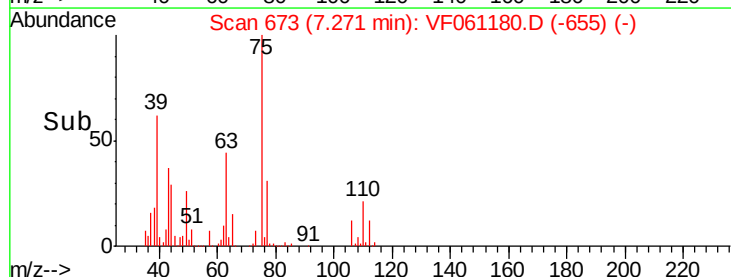
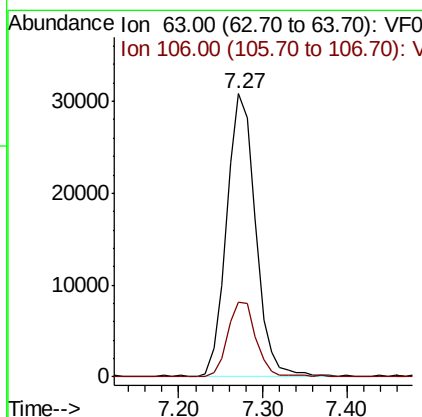
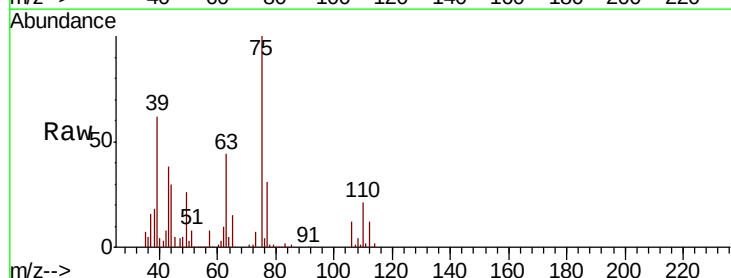
Acq: 26 Dec 2018 11:03

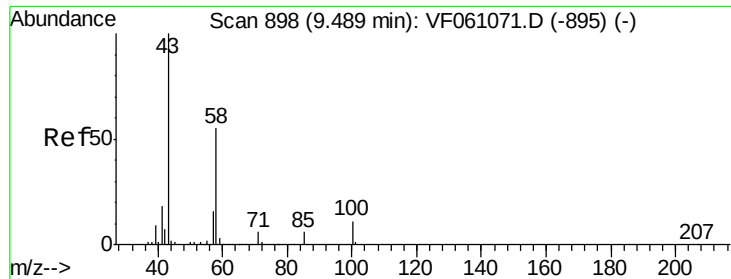
Tgt Ion: 63 Resp: 74067

Ion Ratio Lower Upper

63 100

106 26.5 19.8 29.8





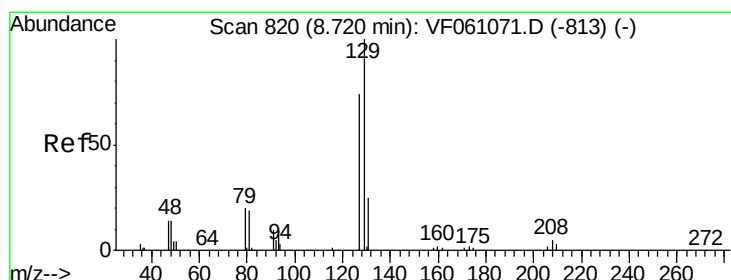
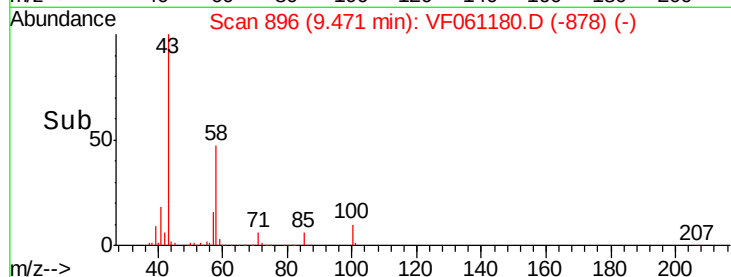
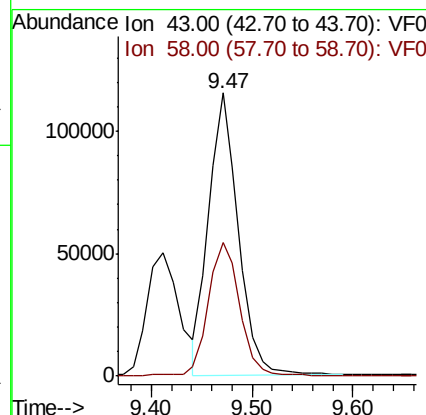
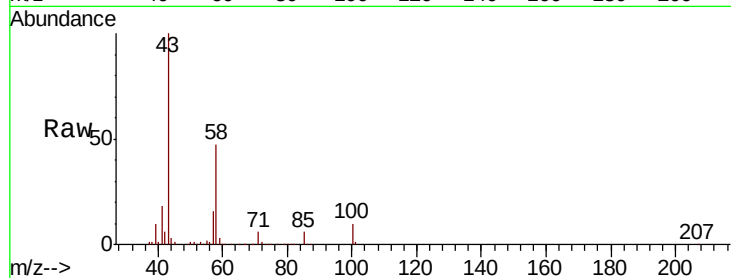
#59
2-Hexanone
Concen: 247.807 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 235426
Ion Ratio Lower Upper
43 100
58 47.3 25.1 75.2

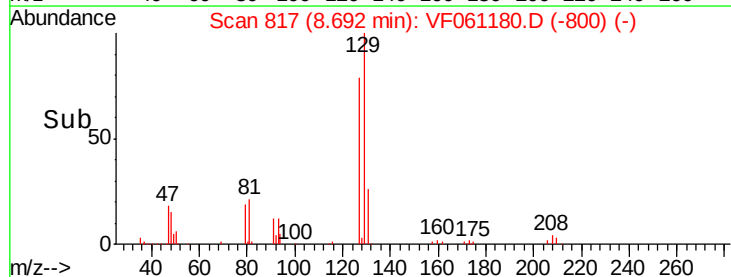
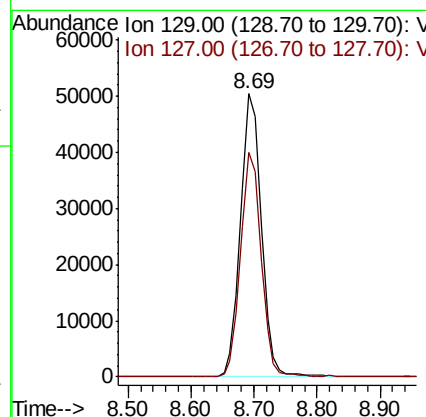
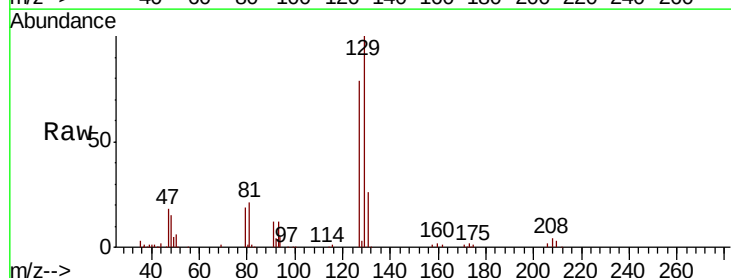
Manual Integrations
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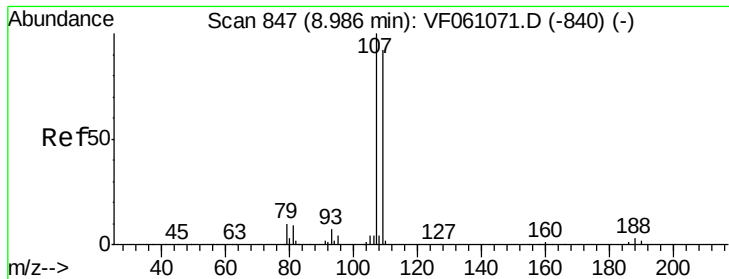
apatel
12/27/2018 4:18:45 PM



#60
Dibromochloromethane
Concen: 47.469 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion: 129 Resp: 115199
Ion Ratio Lower Upper
129 100
127 79.2 36.8 110.3





#61

1,2-Dibromoethane

Concen: 45.828 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 82860

Ion Ratio Lower Upper

107 100

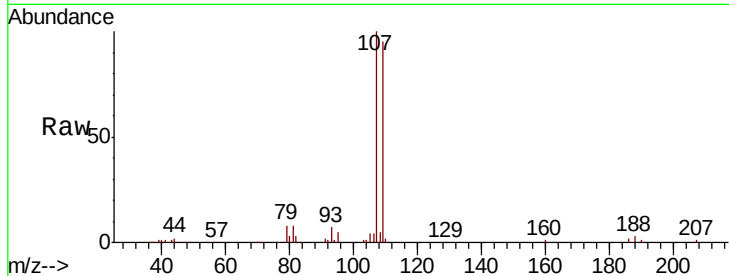
109 94.7 73.7 110.5

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

40000

30000

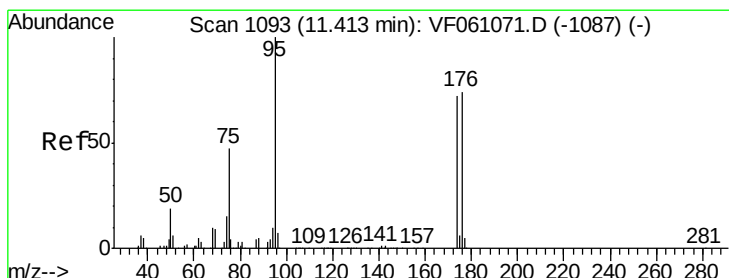
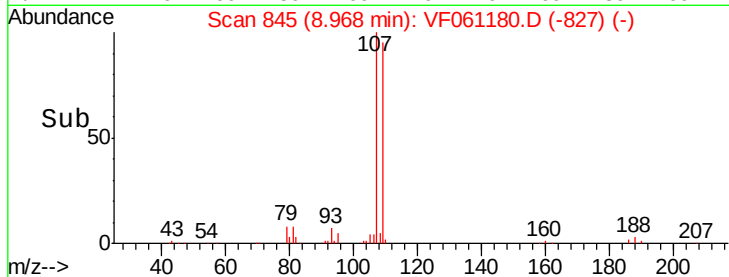
20000

10000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 48.702 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

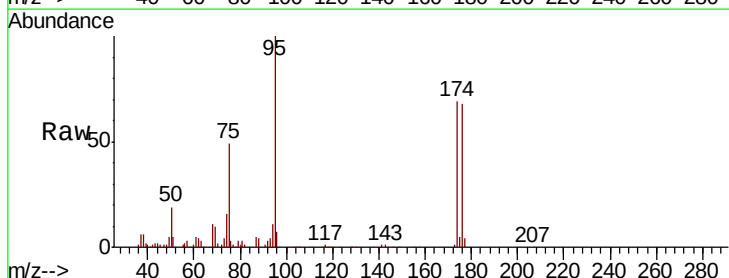
Tgt Ion: 95 Resp: 167512

Ion Ratio Lower Upper

95 100

174 68.5 0.0 143.8

176 68.0 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.39

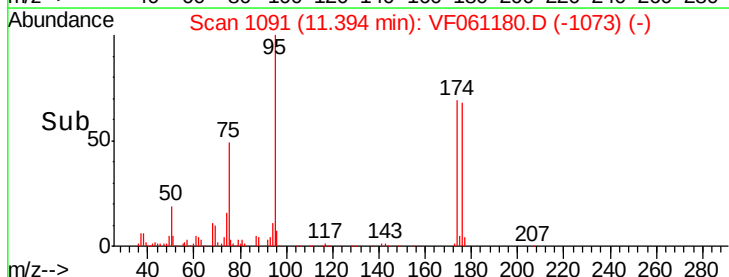
100000

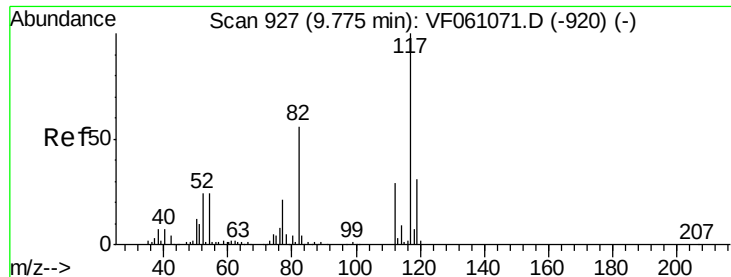
50000

0

11.30 11.40 11.50

Time-->





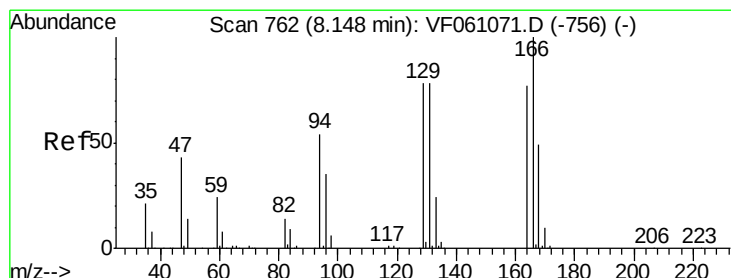
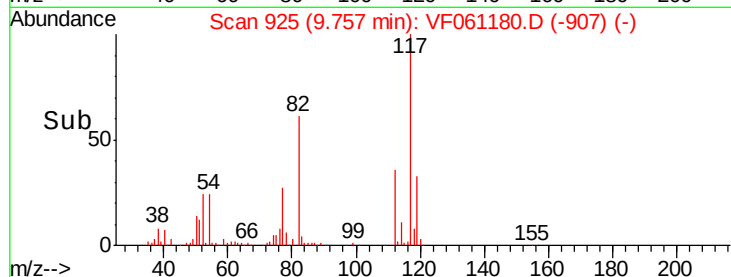
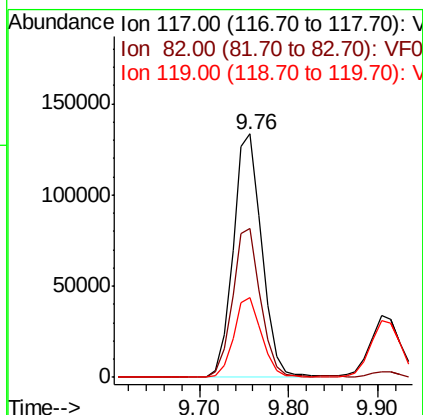
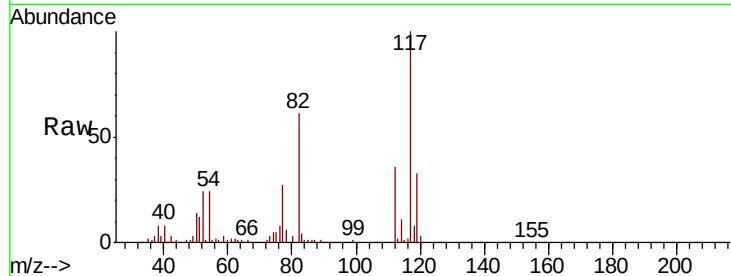
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	61.1	45.0	67.4
119	32.6	24.8	37.2

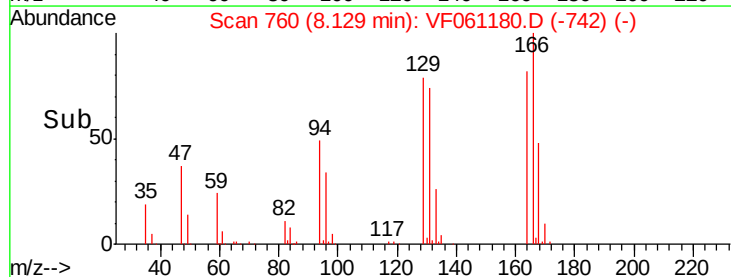
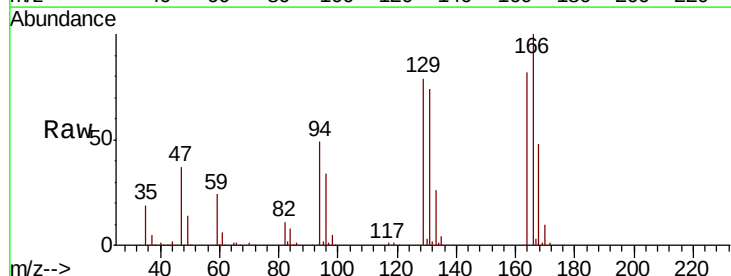
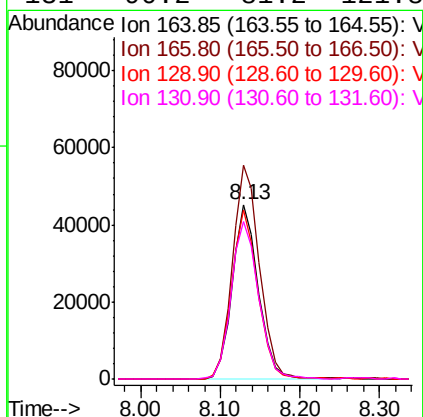
Manual Integrations
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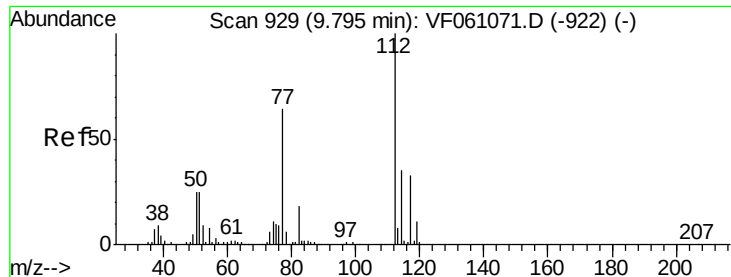
apatel
12/27/2018 4:18:45 PM



#64
Tetrachloroethene
Concen: 44.564 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	122.3	104.0	156.0
129	97.1	81.1	121.7
131	90.2	81.2	121.8





#65

Chlorobenzene

Concen: 45.825 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 284541

Ion Ratio Lower Upper

112 100

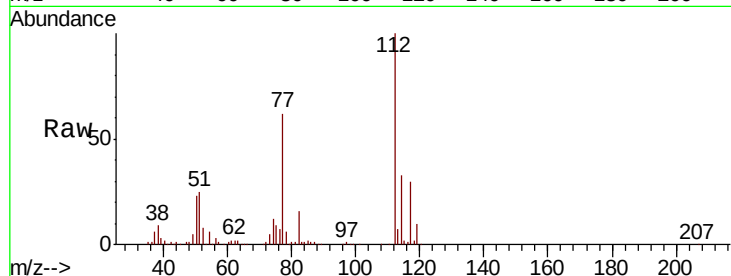
114 32.7 27.8 41.6

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

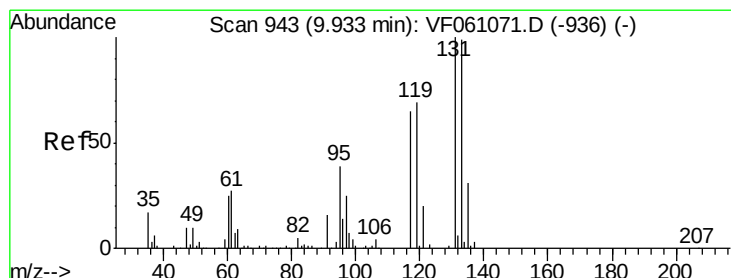
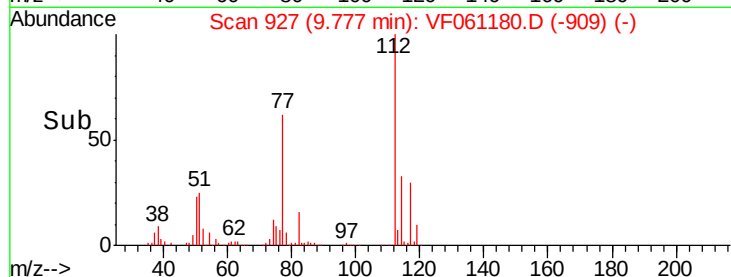
100000

50000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.295 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

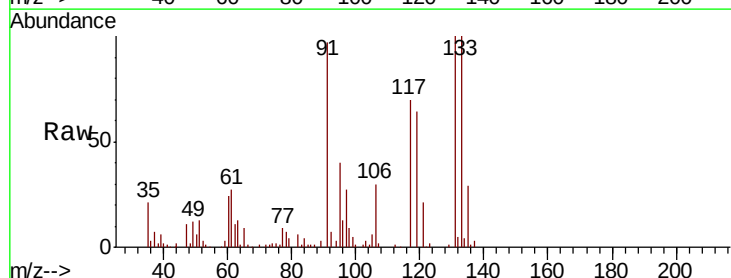
Tgt Ion:131 Resp: 114934

Ion Ratio Lower Upper

131 100

133 99.7 49.5 148.7

119 64.0 34.5 103.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

50000

40000

30000

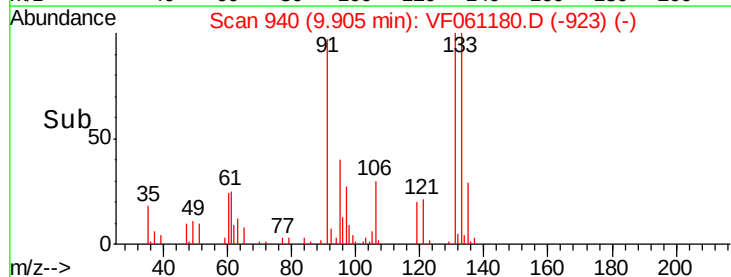
20000

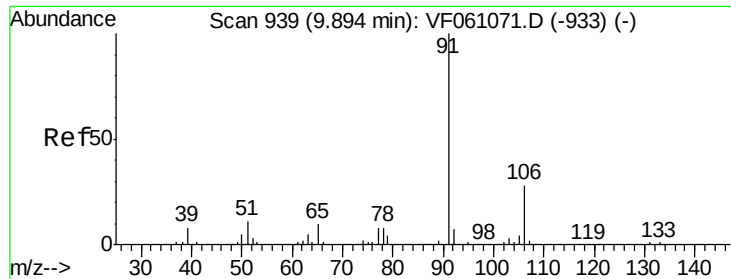
10000

0

9.80 9.90 10.00

Time-->





#67

Ethyl Benzene

Concen: 47.377 ug/l

RT: 9.88 min Scan# 937

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 535935

Ion Ratio Lower Upper

91 100

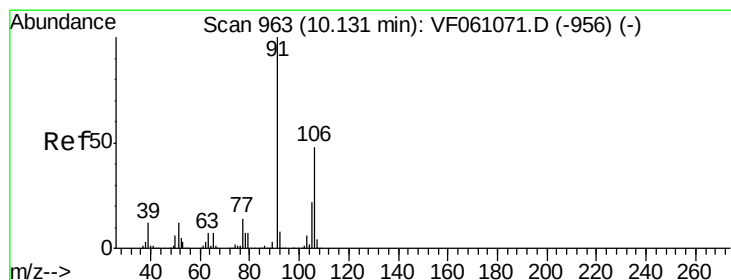
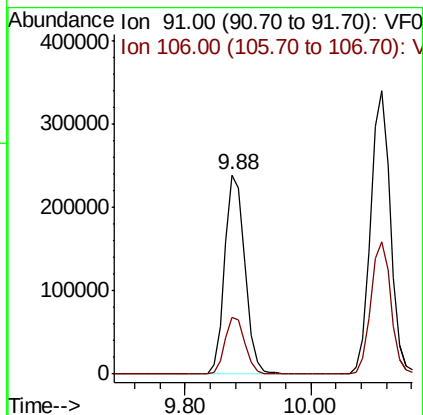
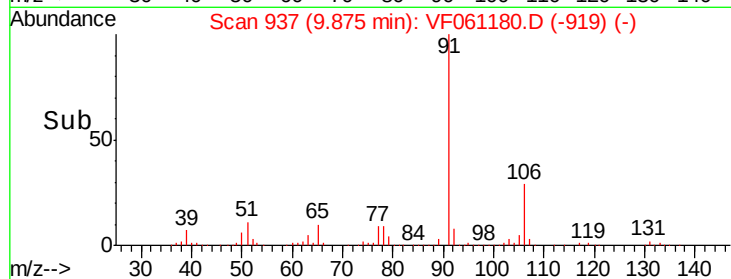
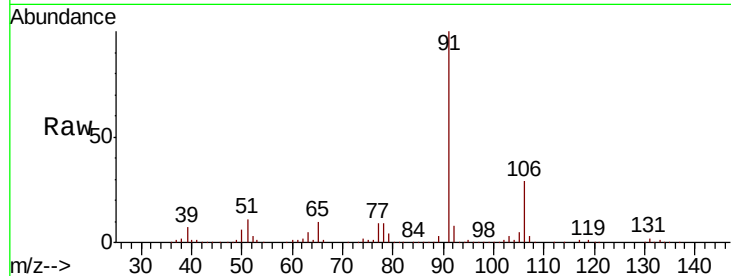
106 28.5 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 88.649 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061180.D

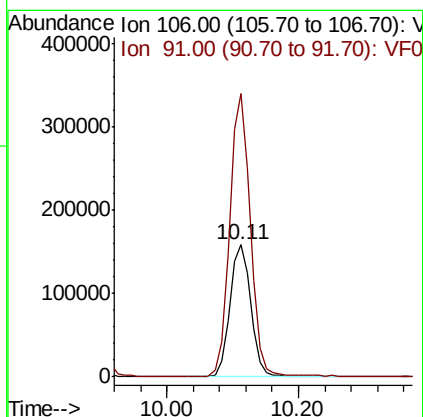
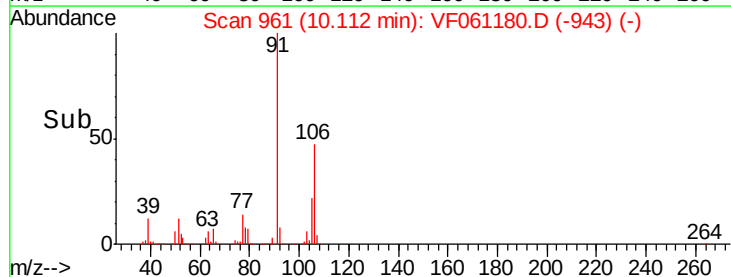
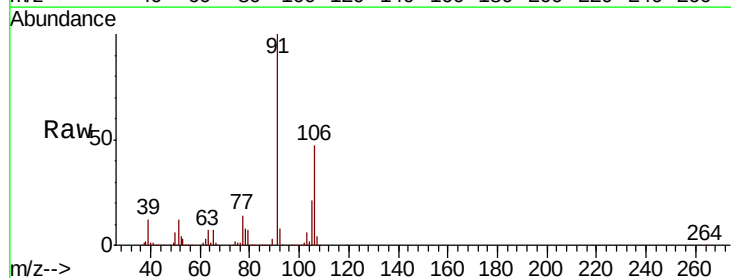
Acq: 26 Dec 2018 11:03

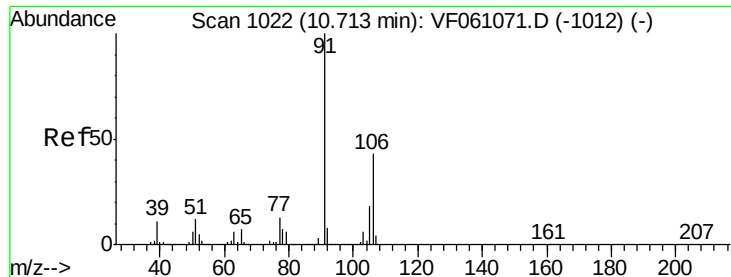
Tgt Ion: 106 Resp: 352912

Ion Ratio Lower Upper

106 100

91 214.3 168.2 252.2





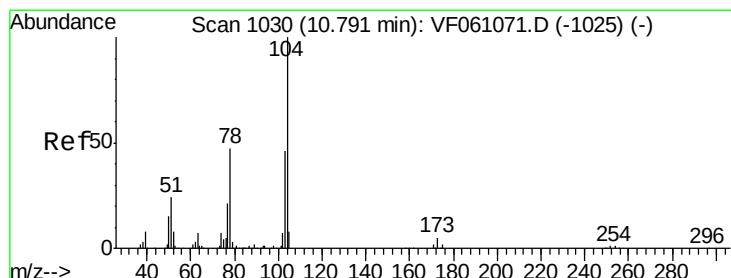
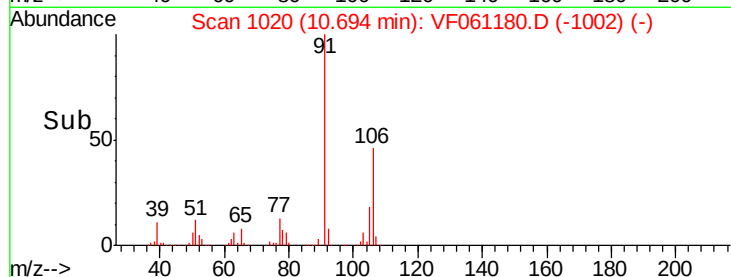
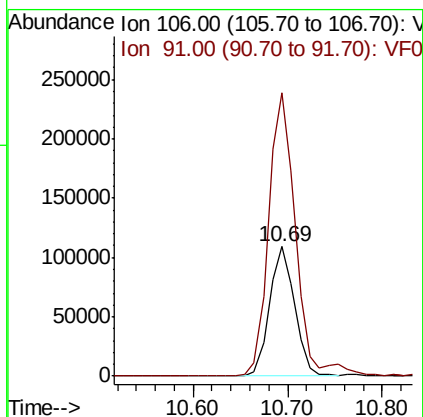
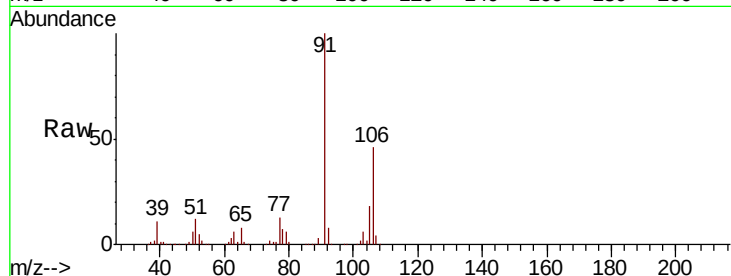
#69
o-Xylene
Concen: 46.118 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.2	115.9	347.7

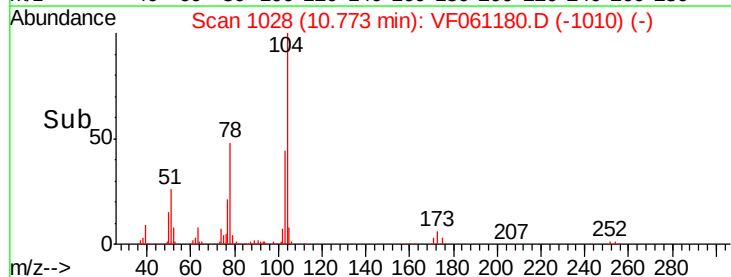
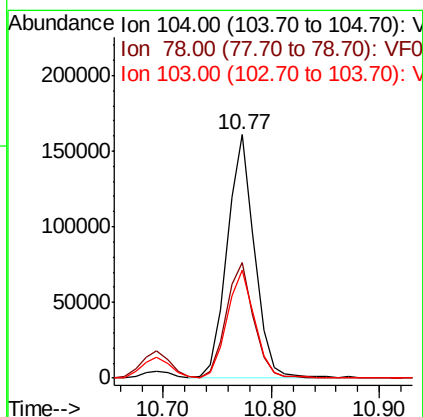
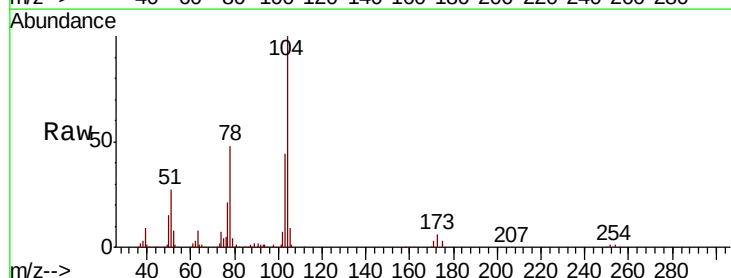
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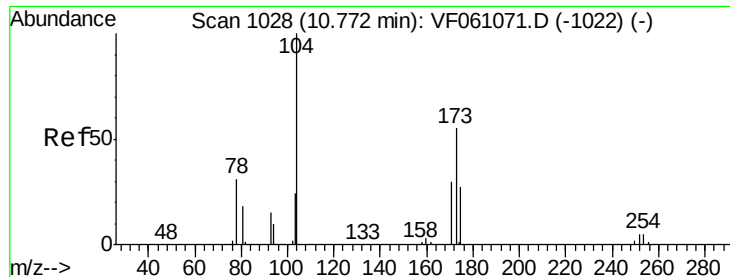
apatel
12/27/2018 4:18:45 PM



#70
Styrene
Concen: 52.360 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.4	57.6
103	44.4	37.0	55.6





#71

Bromoform

Concen: 47.353 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55590

Ion Ratio Lower Upper

173 100

175 46.7 24.8 74.4

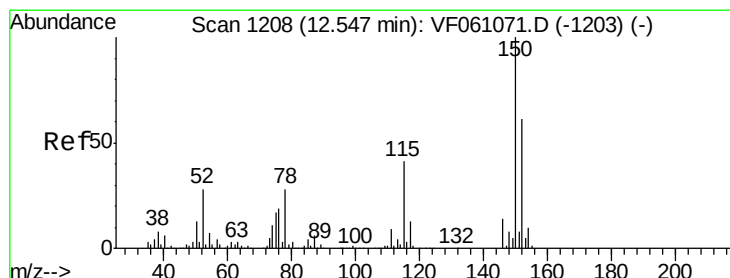
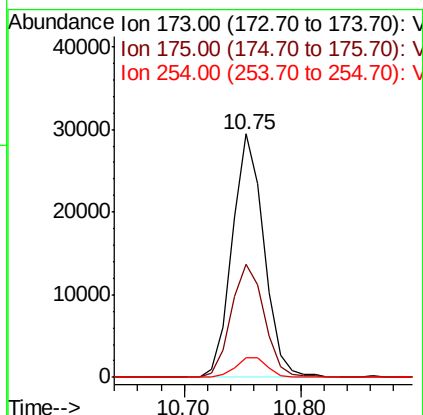
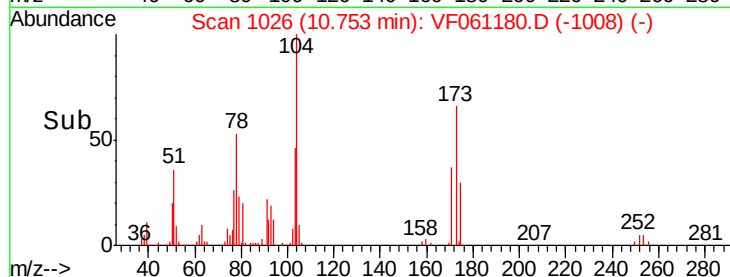
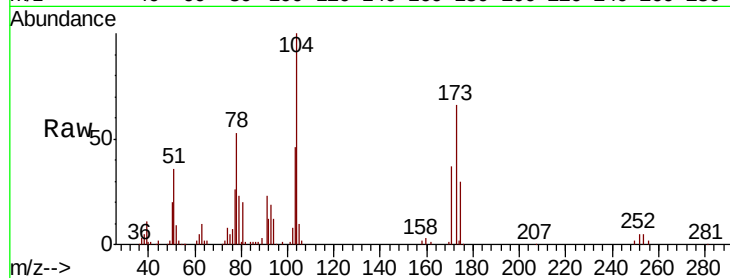
254 8.1 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

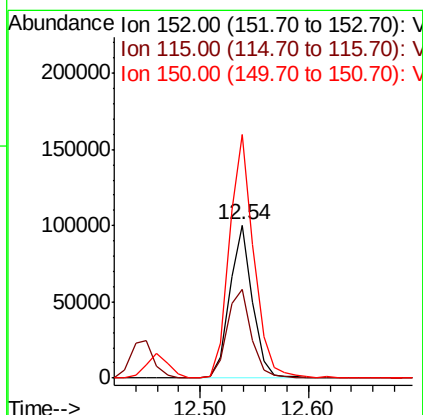
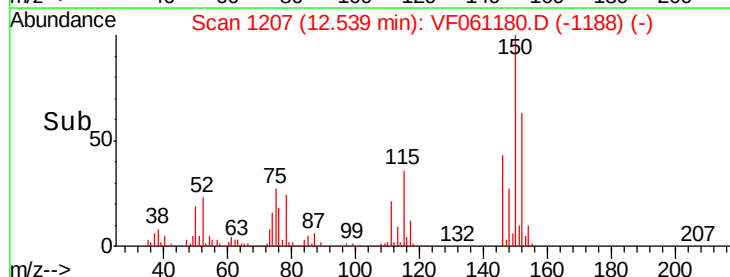
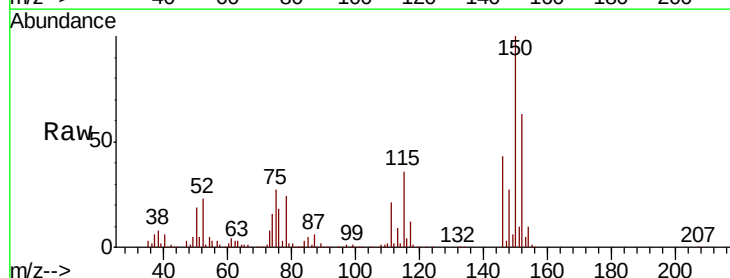
Tgt Ion:152 Resp: 146692

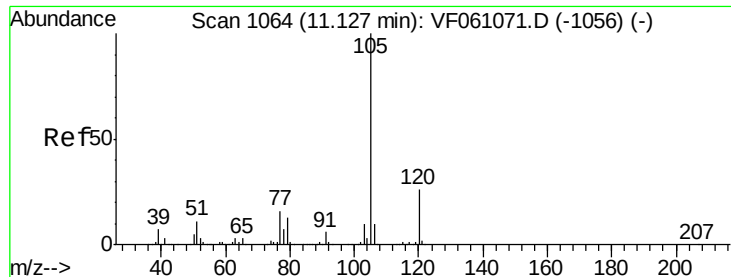
Ion Ratio Lower Upper

152 100

115 57.6 33.3 99.9

150 158.9 0.0 328.2





#73

Isopropylbenzene

Concen: 47.190 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 596544

Ion Ratio Lower Upper

105 100

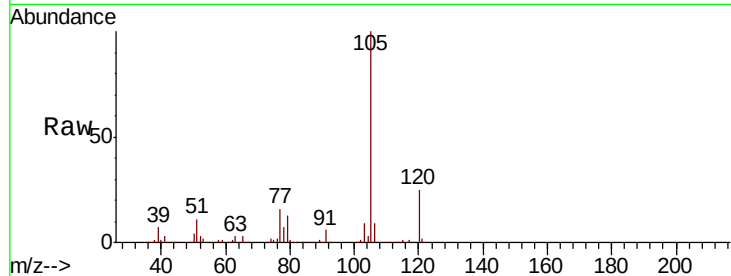
120 25.3 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

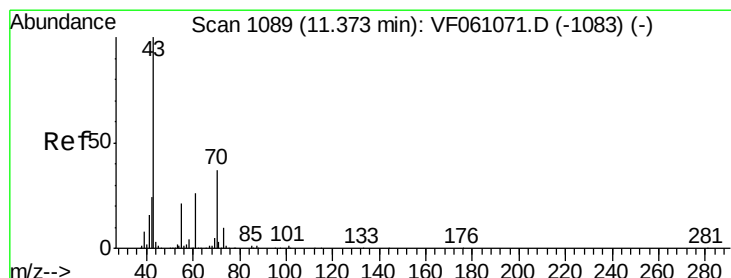
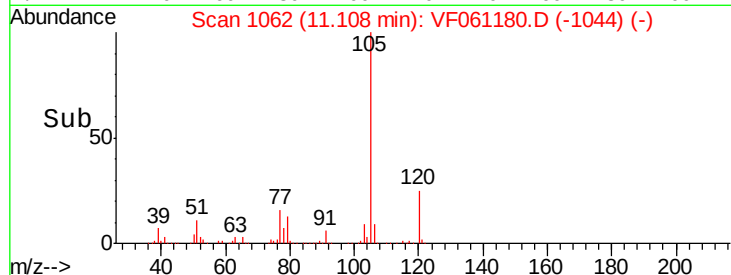
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.771 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion: 43 Resp: 139685

Ion Ratio Lower Upper

43 100

70 34.2 29.2 43.8

55 19.6 16.5 24.7

61 23.7 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

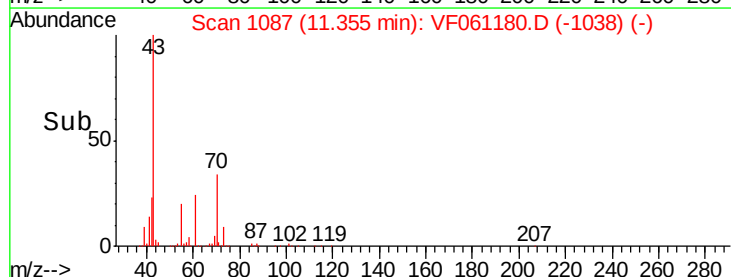
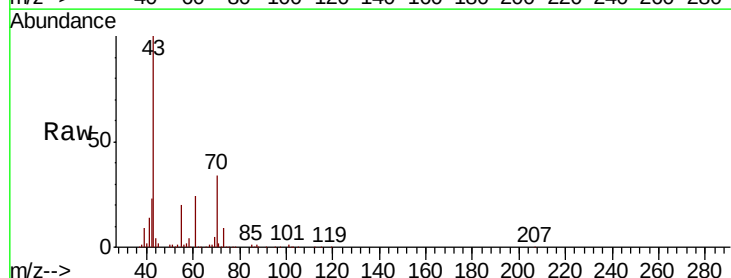
Ion 61.00 (60.70 to 61.70): VF0

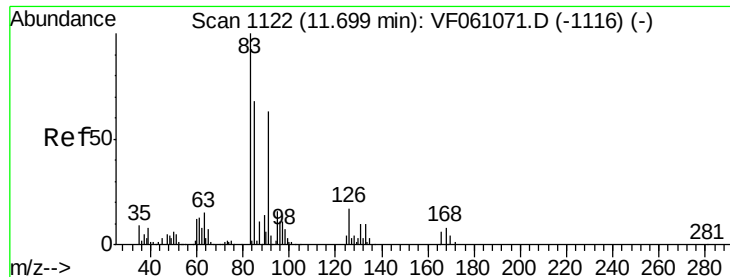
100000

50000

0

Time-->





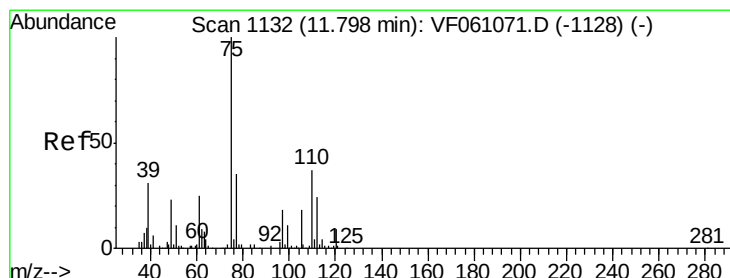
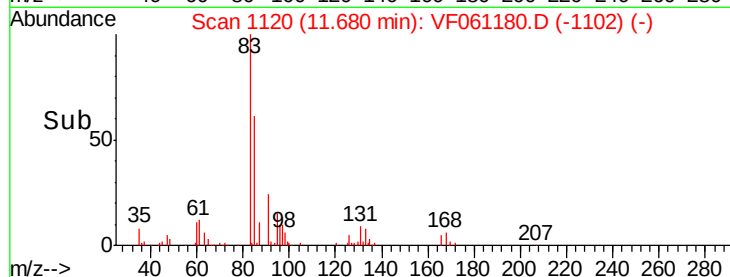
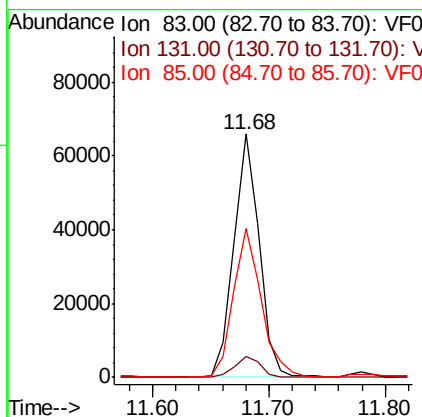
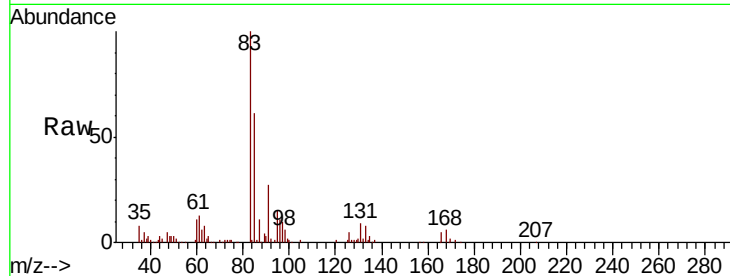
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.937 ug/l
 RT: 11.68 min Scan# 1120
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.8	14.3
85	61.0	33.9	101.6

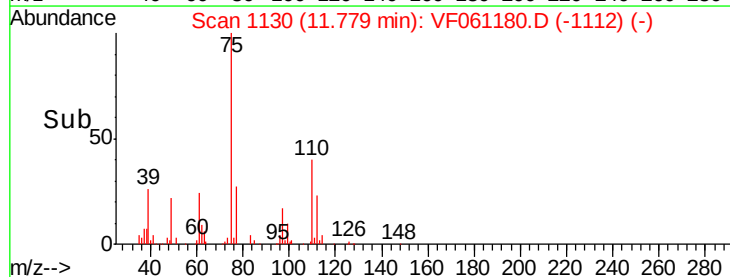
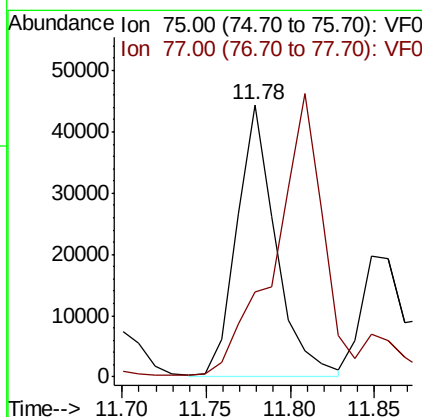
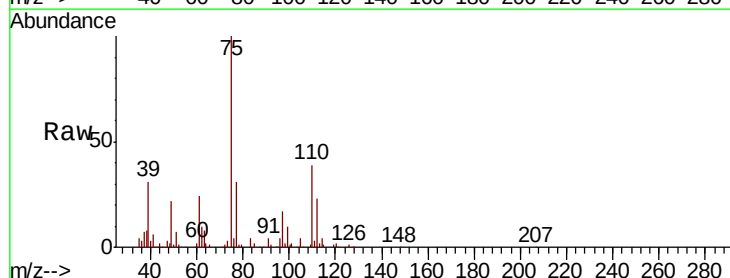
Manual Integrations
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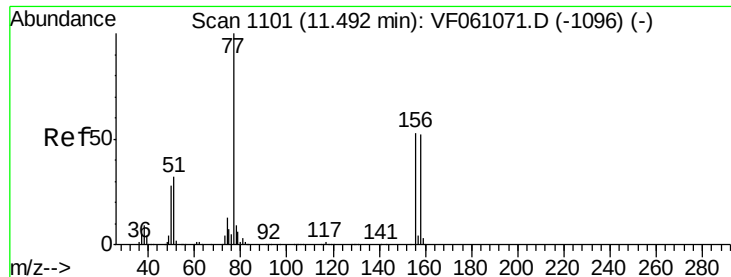
apatel
 12/27/2018 4:18:45 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.404 ug/l
 RT: 11.78 min Scan# 1130
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	17.6	52.9





#77

Bromobenzene

Concen: 46.171 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

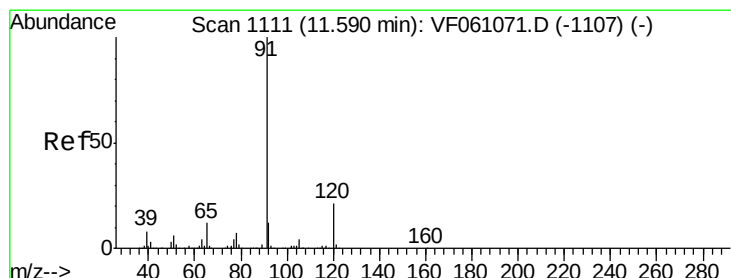
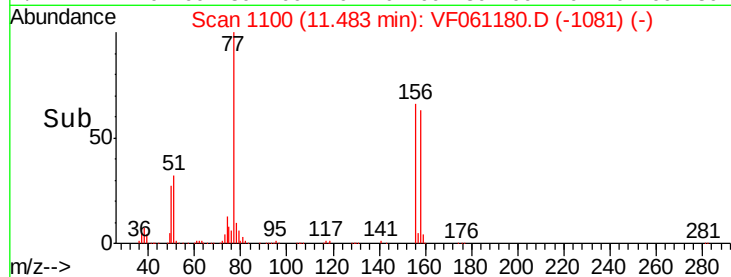
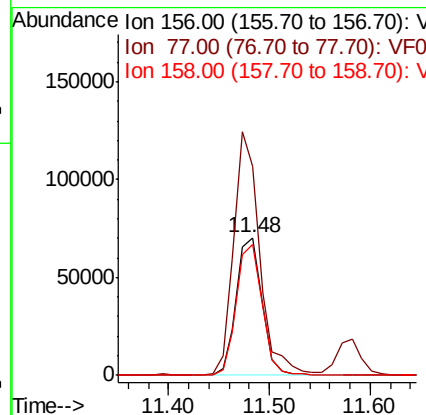
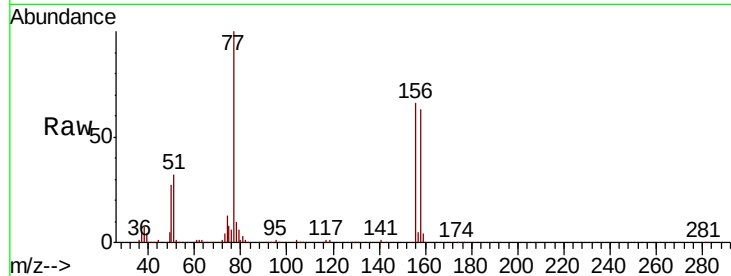
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	125641
Ion Ratio	Lower	Upper	
156	100		
77	151.7	93.8	281.4
158	95.1	48.9	146.8

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#78

n-propylbenzene

Concen: 45.829 ug/l

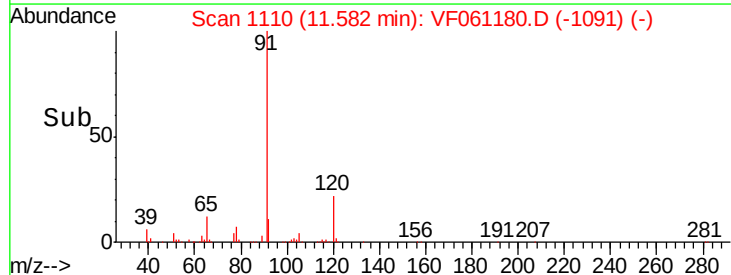
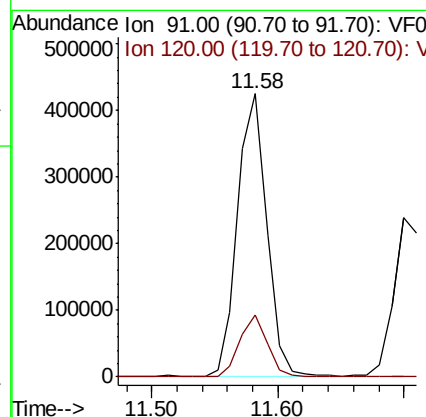
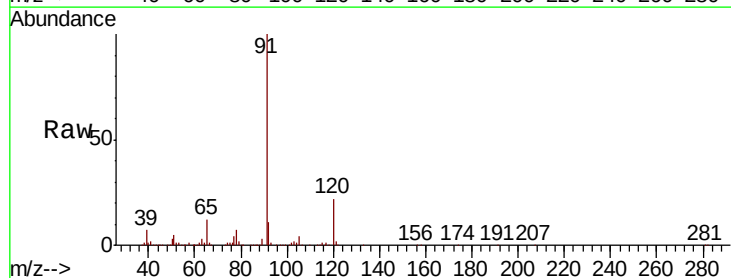
RT: 11.58 min Scan# 1110

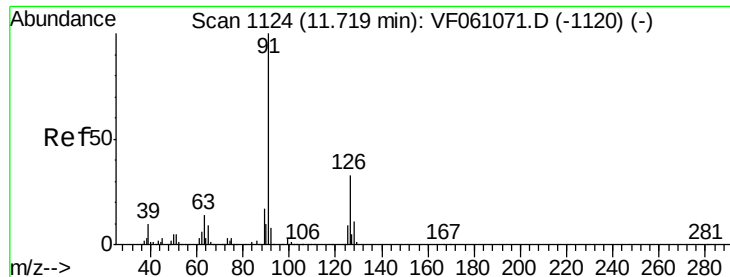
Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	91	Resp:	678601
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.4	31.2





#79

2-Chlorotoluene

Concen: 45.588 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 395338

Ion Ratio Lower Upper

91 100

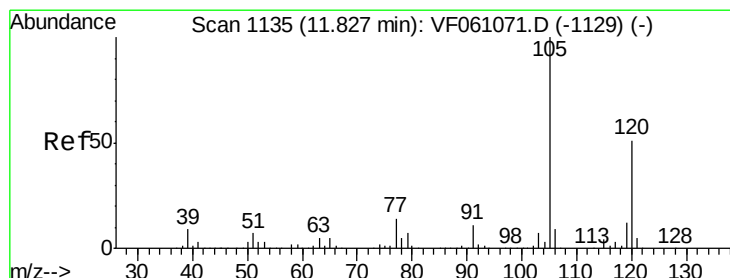
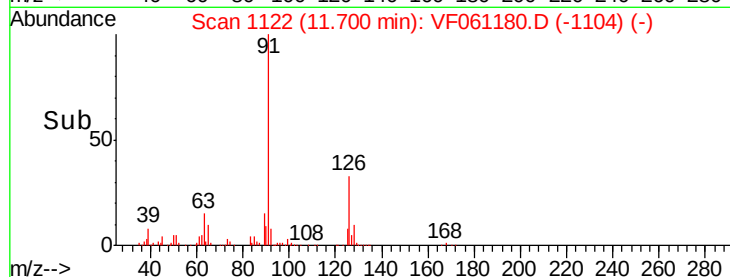
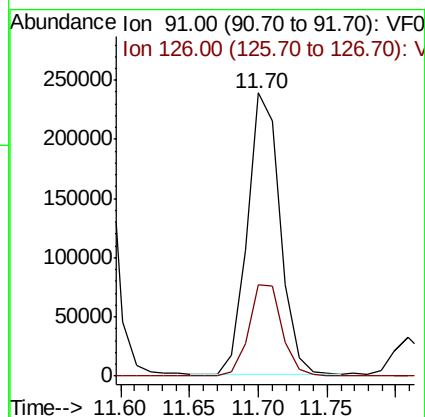
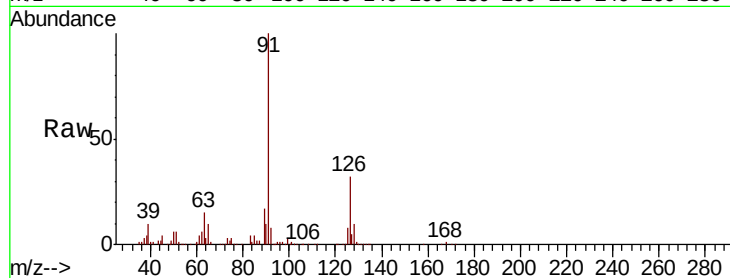
126 32.5 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.185 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061180.D

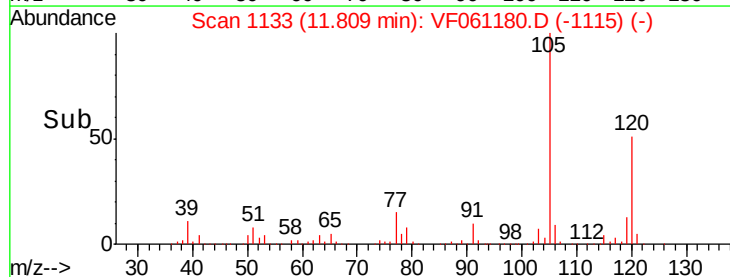
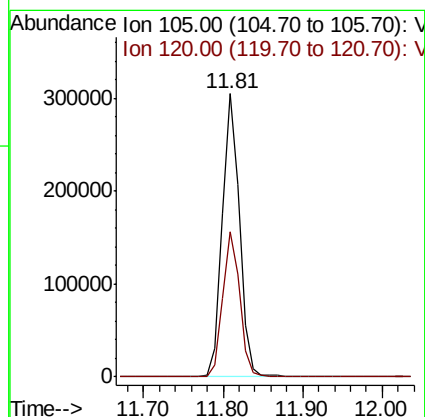
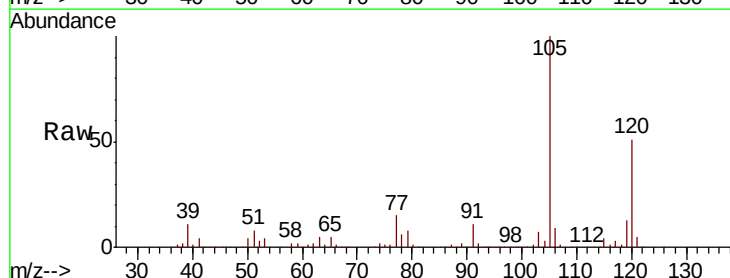
Acq: 26 Dec 2018 11:03

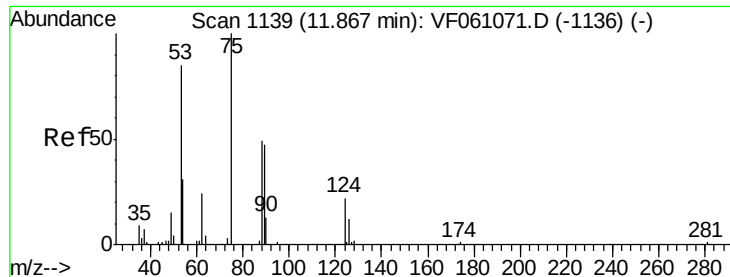
Tgt Ion: 105 Resp: 470336

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.4





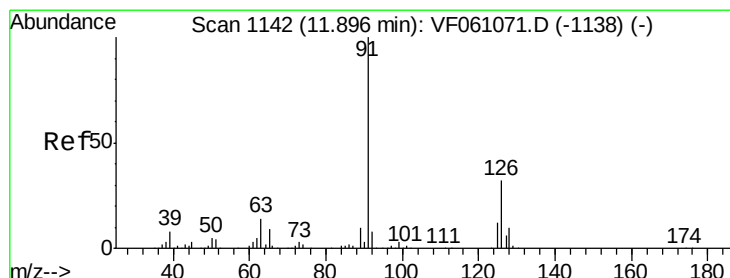
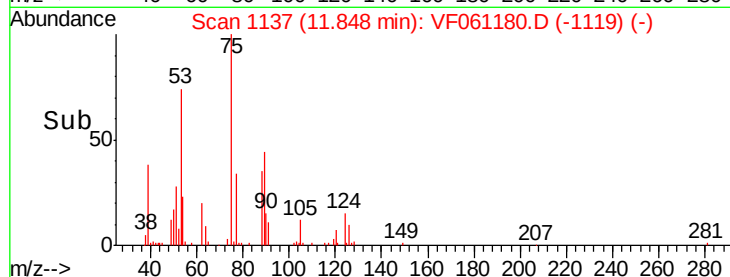
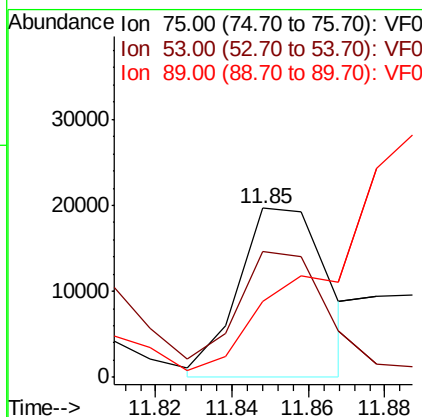
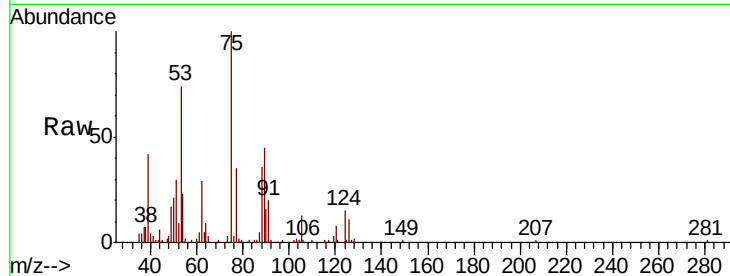
#81
trans-1,4-Dichloro-2-butene
Concen: 47.478 ug/l m
RT: 11.85 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.2	74.1	111.1
89	44.7	42.6	64.0

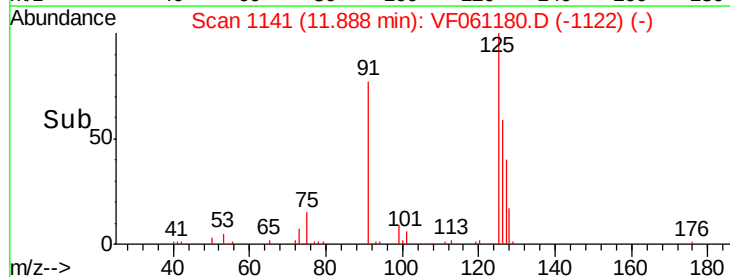
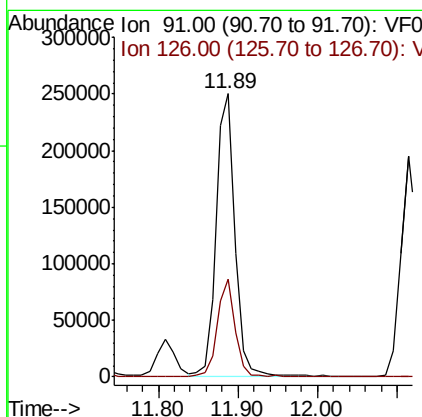
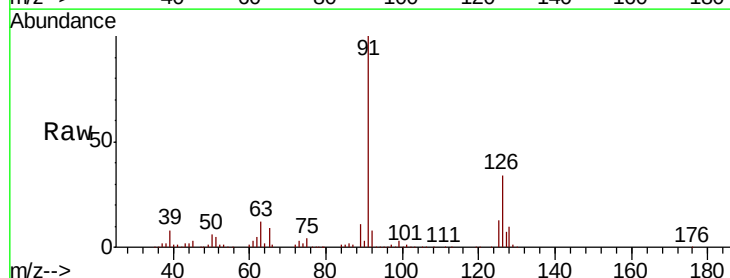
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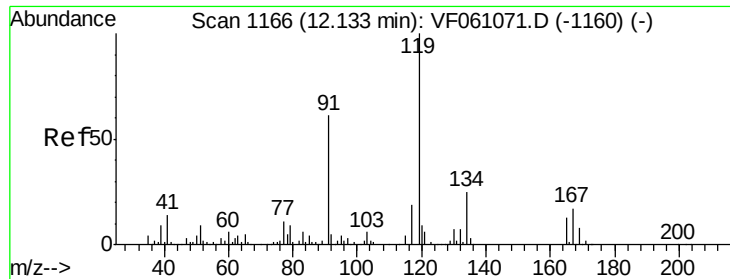
apatel
12/27/2018 4:18:45 PM



#82
4-Chlorotoluene
Concen: 46.103 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.0	47.9





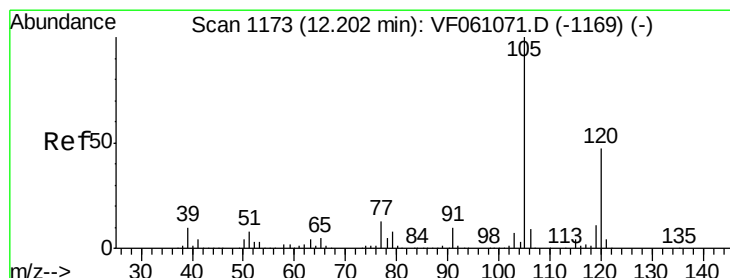
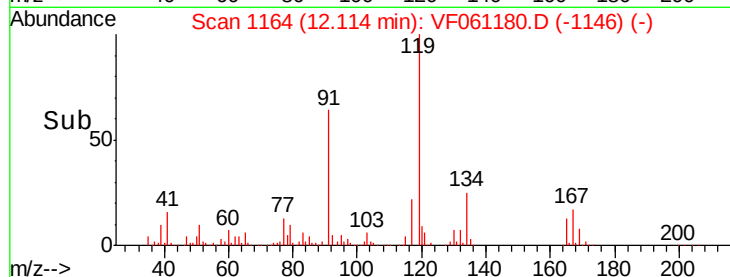
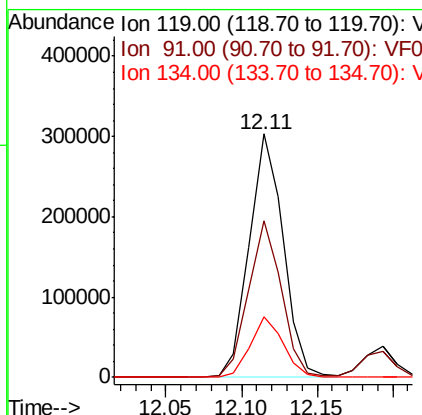
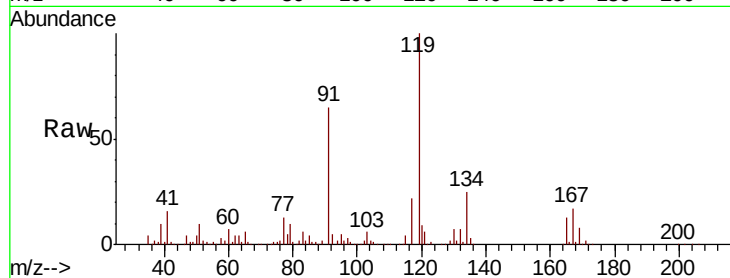
#83
 tert-Butylbenzene
 Concen: 44.611 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	477836		
91	64.5	30.5	91.5	
134	24.7	12.4	37.4	

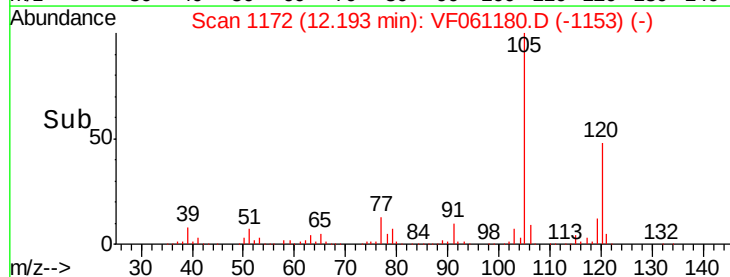
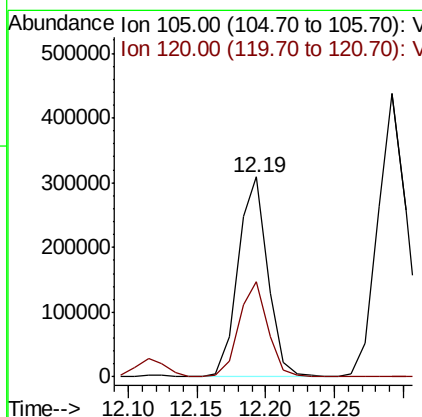
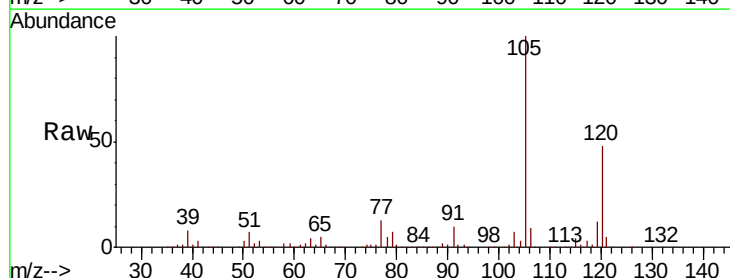
Manual Integrations
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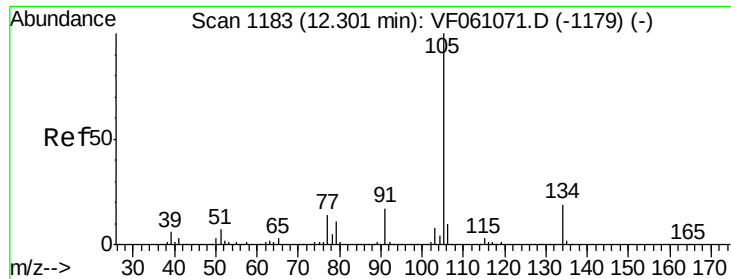
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.755 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	464562		
120	47.8	23.6	71.0	





#85

sec-Butylbenzene

Concen: 45.982 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 642746

Ion Ratio Lower Upper

105 100

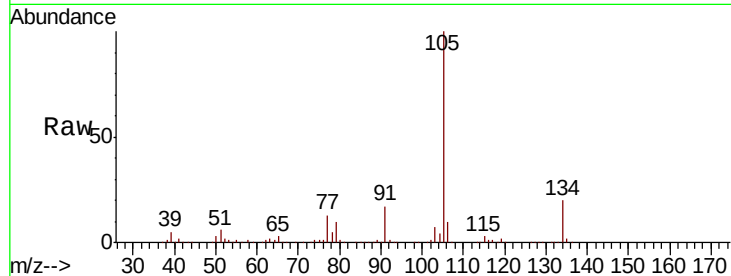
134 19.5 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.29

400000

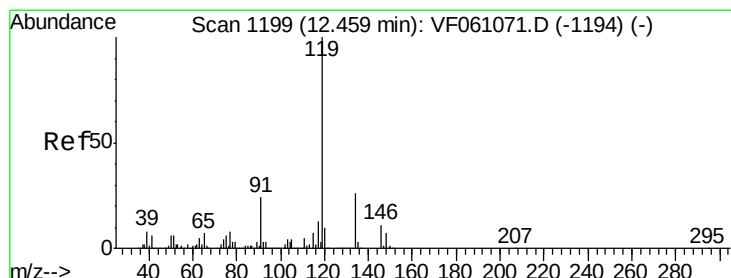
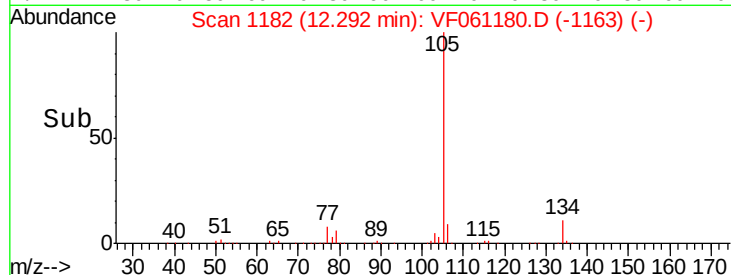
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.089 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

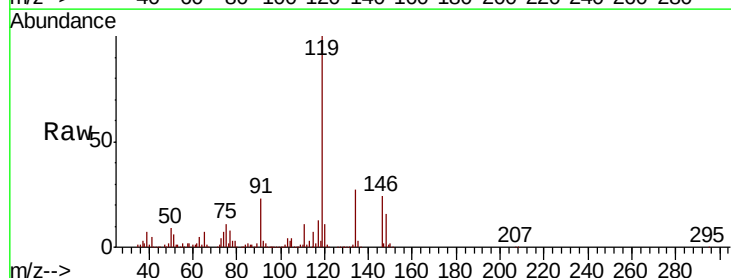
Tgt Ion:119 Resp: 546354

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.4

91 23.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.45

400000

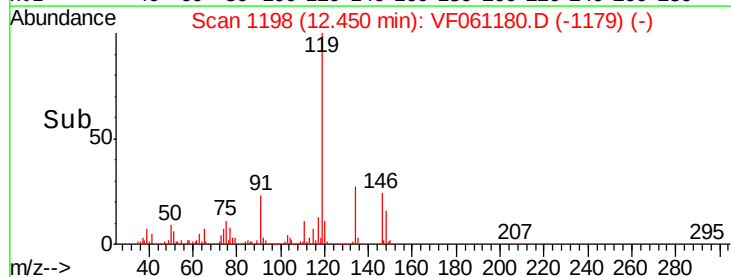
300000

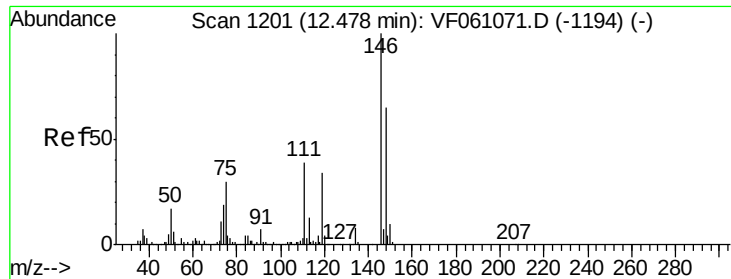
200000

100000

0

Time-->





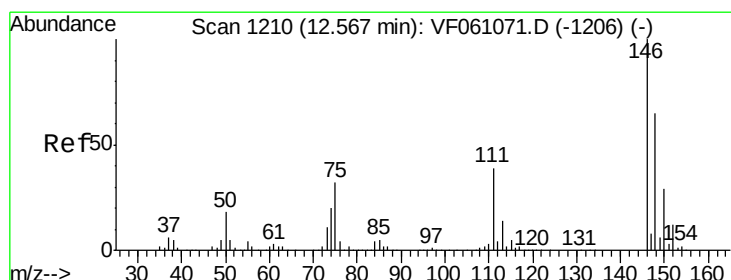
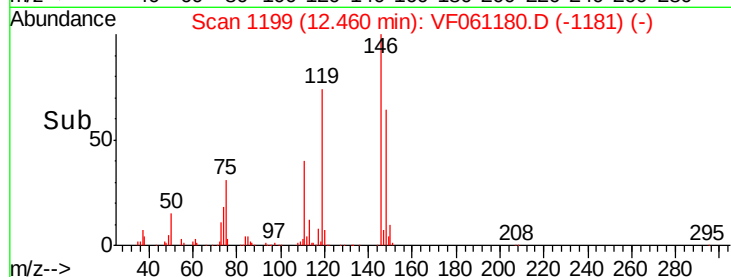
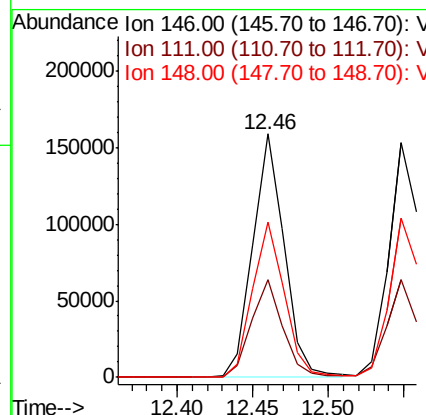
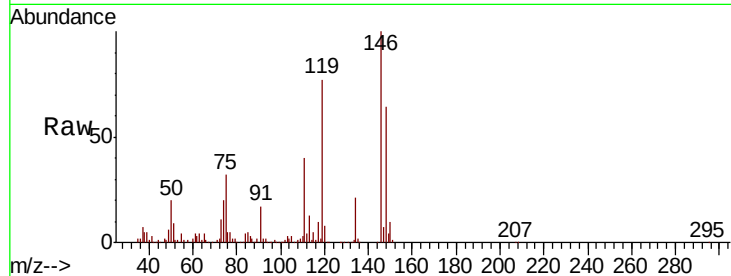
#87
 1,3-Dichlorobenzene
 Concen: 52.336 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.9
148	64.0	32.4	97.2

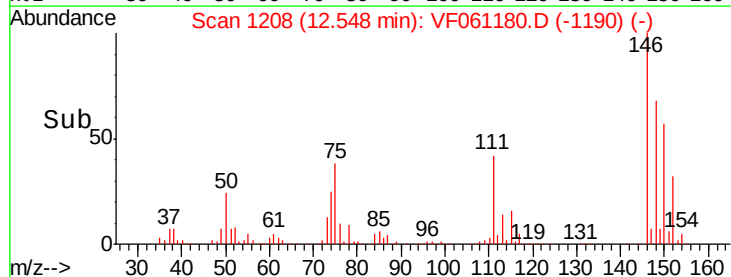
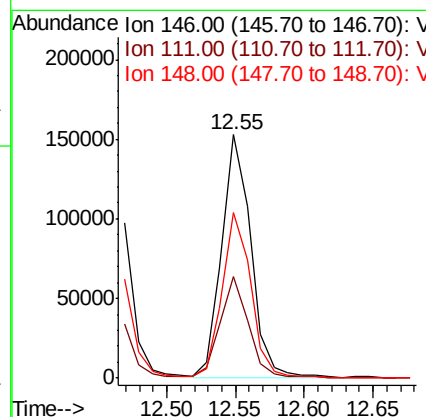
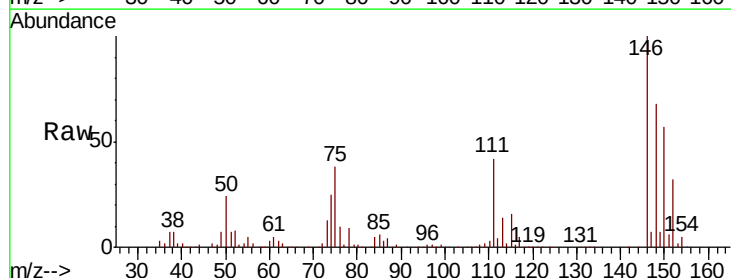
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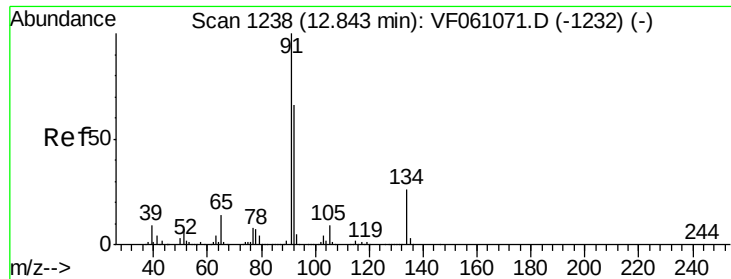
apatel
 12/27/2018 4:18:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.760 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.4	58.4
148	68.1	32.4	97.0





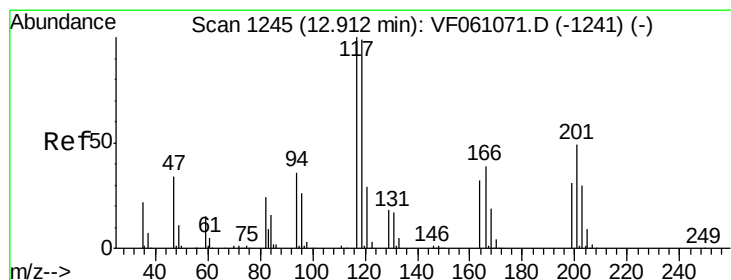
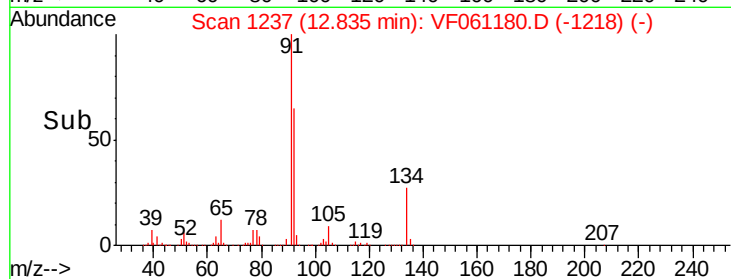
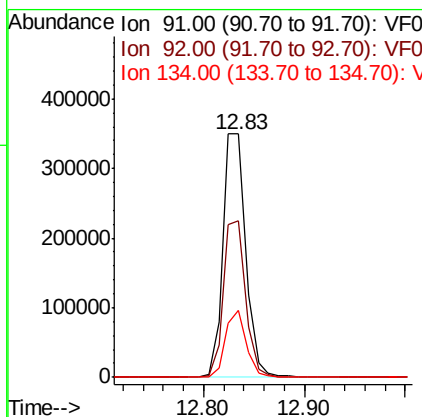
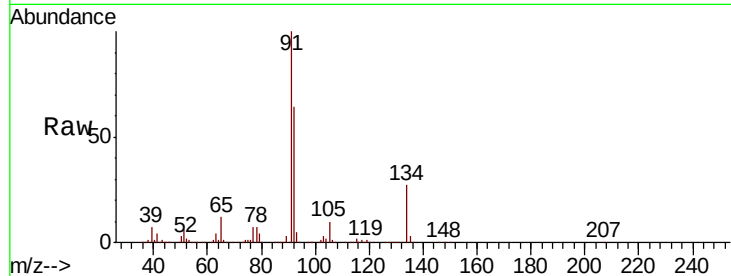
#89
n-Butylbenzene
Concen: 46.296 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.5	32.8	98.4
134	27.3	13.2	39.5

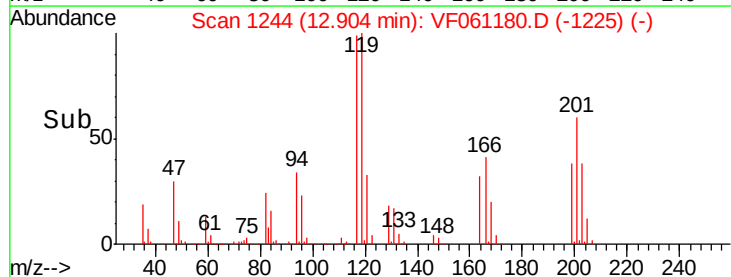
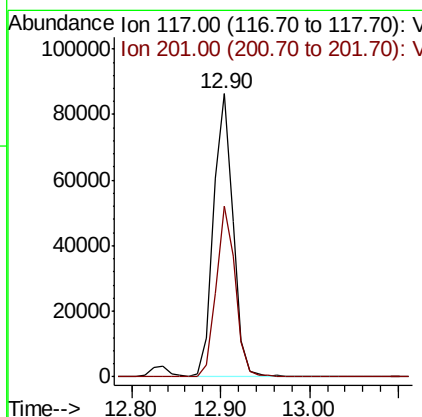
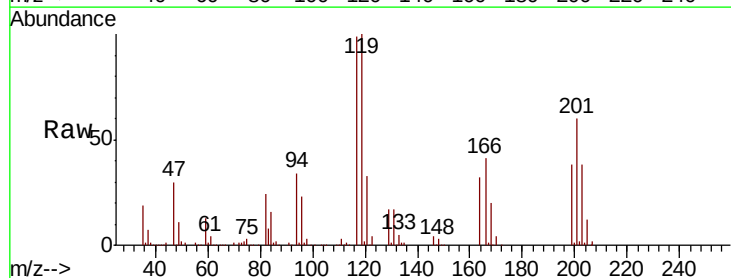
Manual Integrations
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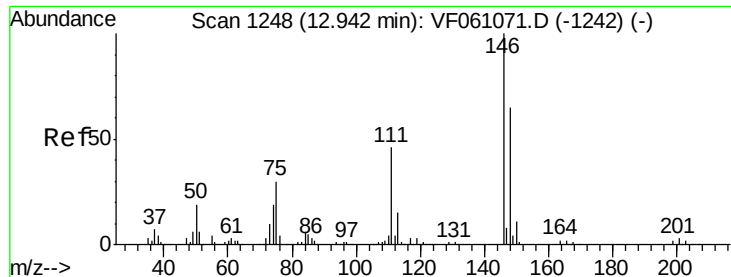
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#90
Hexachloroethane
Concen: 46.100 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061180.D
Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.3	24.9	74.8





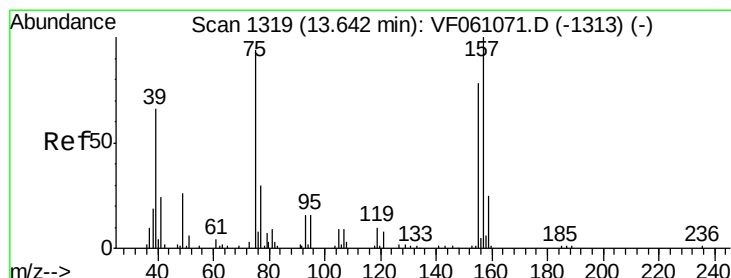
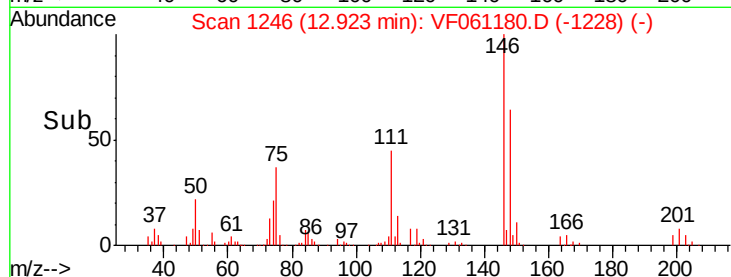
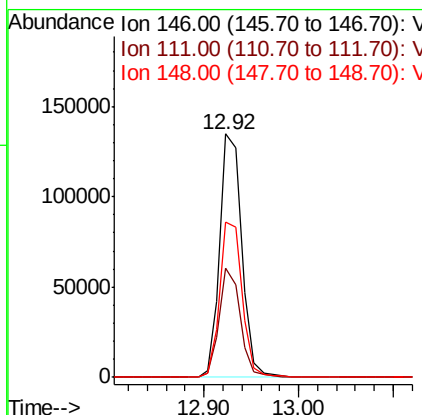
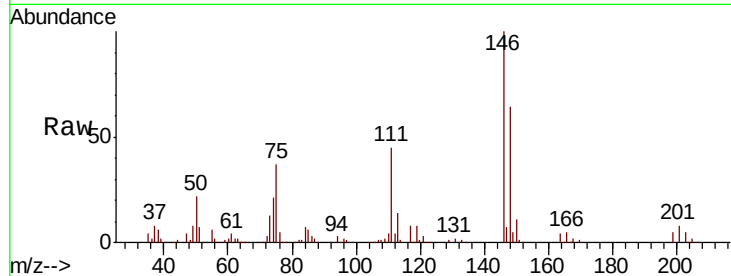
#91
 1,2-Dichlorobenzene
 Concen: 44.901 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.2	69.5
148	63.7	32.4	97.0

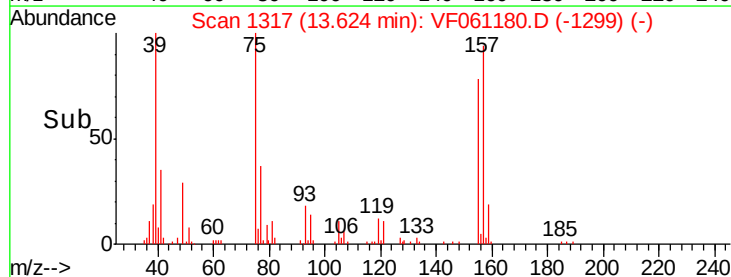
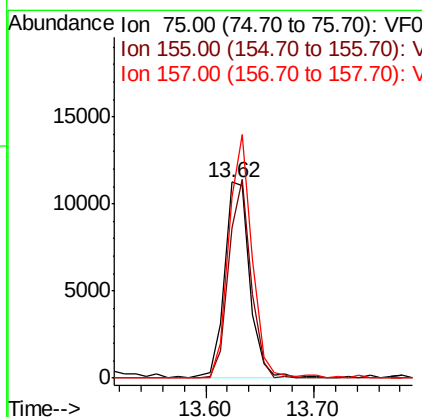
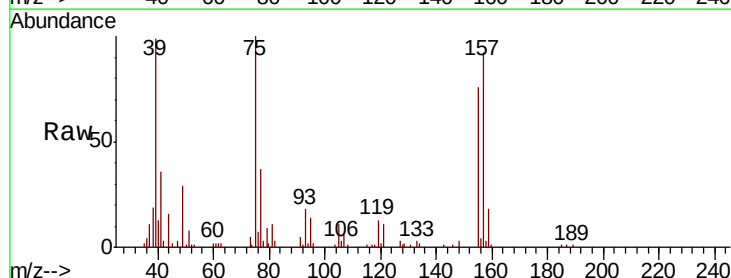
Manual Integrations
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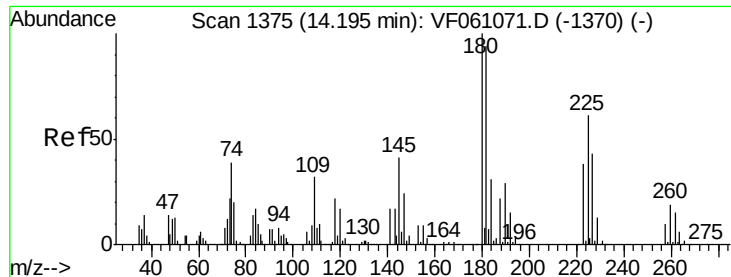
apatel
 12/27/2018 4:18:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.743 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	41.5	124.5
157	92.1	53.2	159.6





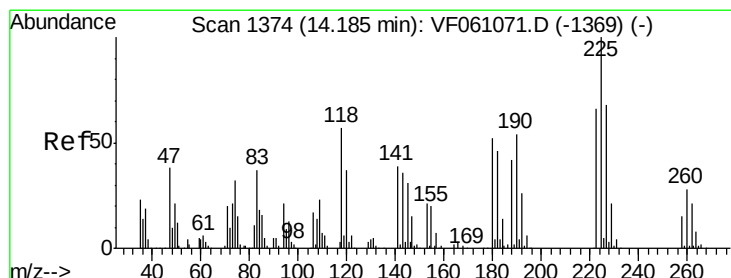
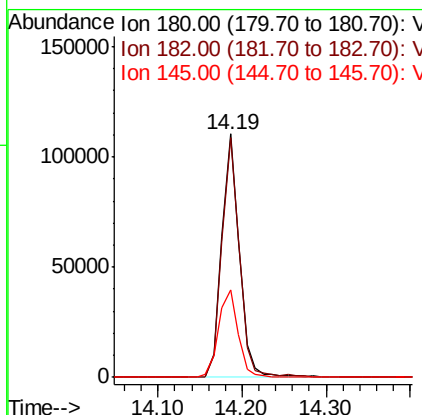
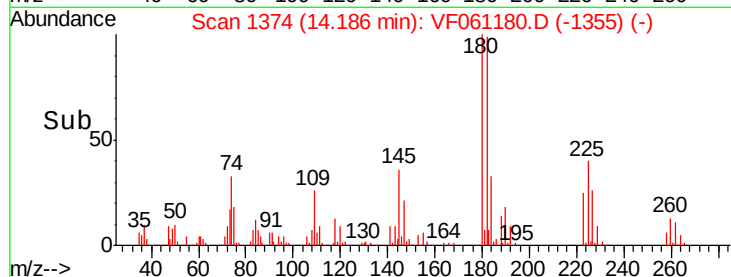
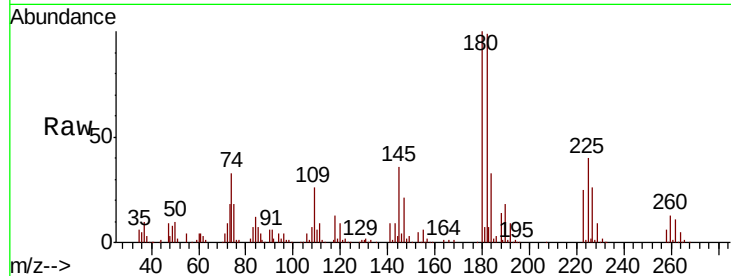
#93
 1,2,4-Trichlorobenzene
 Concen: 46.967 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162042		
182	98.6	46.9	140.6	
145	35.9	20.5	61.6	

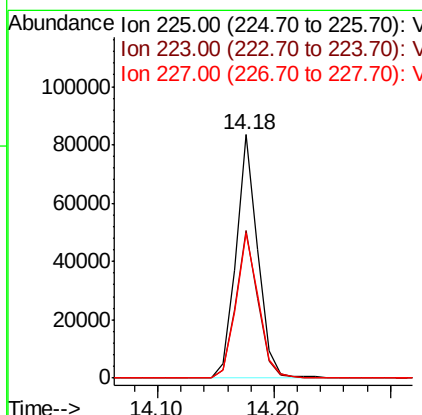
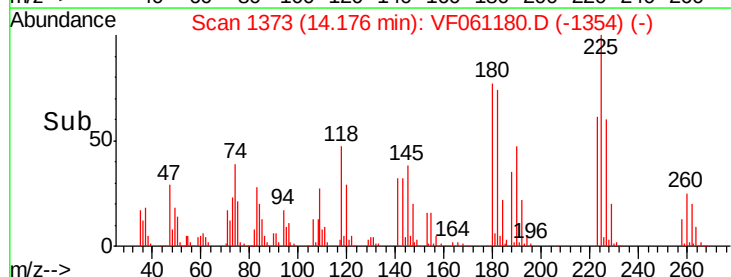
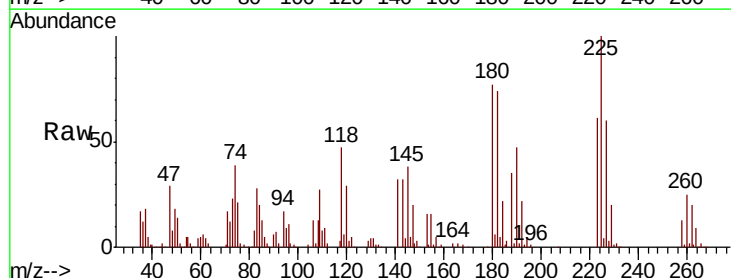
Manual Integrations
 APPROVED

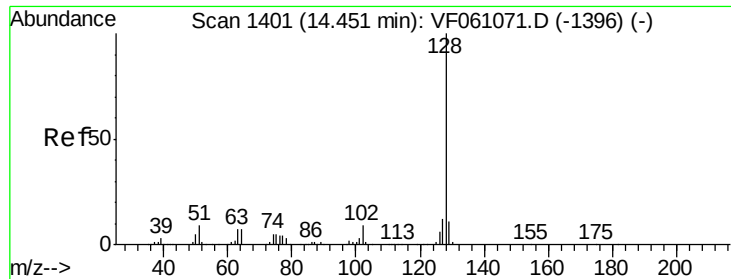
apatel
 12/27/2018 4:18:45 PM



#94
 Hexachlorobutadiene
 Concen: 49.303 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061180.D
 Acq: 26 Dec 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108339		
223	60.8	32.8	98.3	
227	59.8	34.0	101.8	





#95

Naphthalene

Concen: 49.705 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Instrument :

MSVOA_F

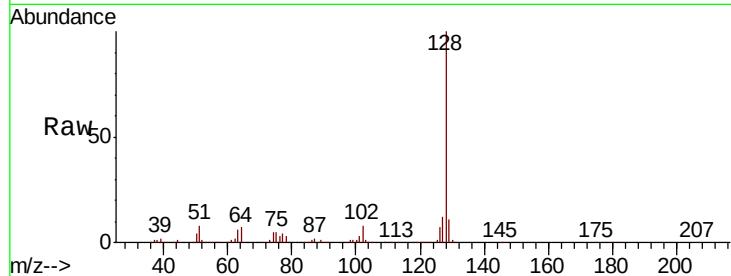
ClientSampleId :

VSTDCCC050

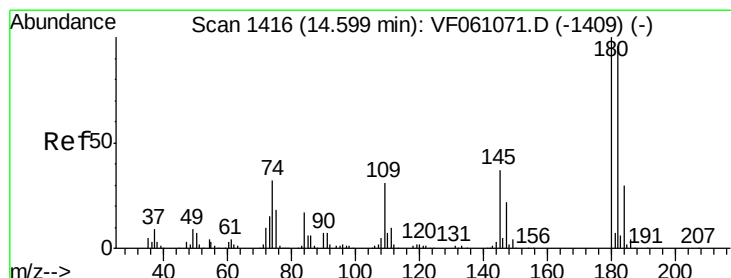
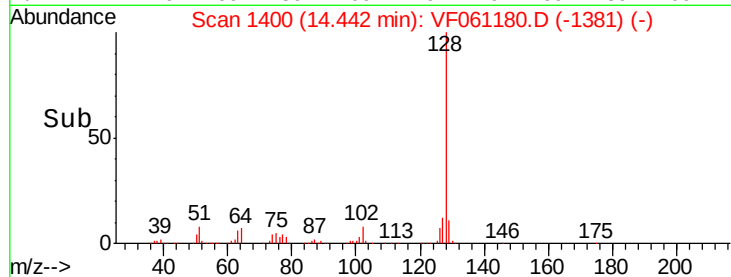
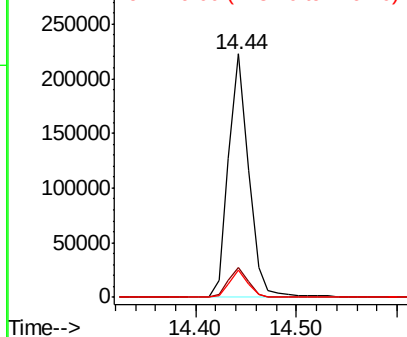
Tot Ion:	128	Resp:	313145
Ion Ratio		Lower	Upper
128	100		
127	12.3	9.4	14.2
129	11.0	8.8	13.2

Manual Integrations
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12/27/2018 4:18:45 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.079 ug/l

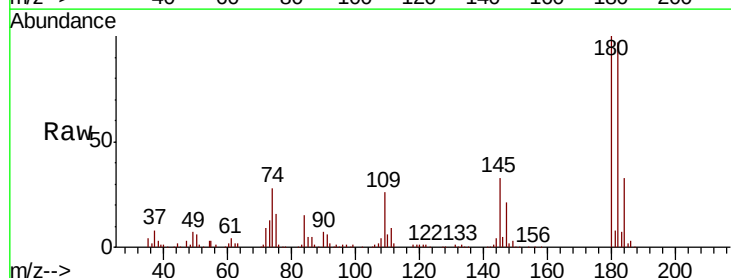
RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061180.D

Acq: 26 Dec 2018 11:03

Tgt Ion:	180	Resp:	150159
Ion Ratio		Lower	Upper
180	100		
182	97.0	47.9	143.8
145	33.5	18.6	55.8



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

