

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060568.D
 Acq On : 5 Nov 2018 11:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:45 PM

Quant Time: Nov 05 13:35:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	298022	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	496319	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	463718	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	240229	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	148127	49.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	4.08	113	188656	49.20	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.53	98	586630	51.64	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.39	95	261646	52.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	173394	56.177	ug/l	98
3) Chloromethane	1.08	50	156868	60.143	ug/l	96
4) Vinyl Chloride	1.13	62	144237	60.012	ug/l #	84
5) Bromomethane	1.29	94	76810	56.934	ug/l	98
6) Chloroethane	1.36	64	50807	59.352	ug/l	94
7) Trichlorofluoromethane	1.46	101	237376	52.769	ug/l	94
8) Diethyl Ether	1.61	74	39141	46.947	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.79	101	131106	51.003	ug/l	98
10) Methyl Iodide	1.86	142	227372	53.750	ug/l	98
11) Tert butyl alcohol	2.54	59	40483	256.904	ug/l #	88
12) 1,1-Dichloroethene	1.75	96	107948	49.860	ug/l	94
13) Acrolein	1.99	56	60249	666.147	ug/l	94
14) Allyl chloride	2.08	41	218490	61.805	ug/l	89
15) Acrylonitrile	2.91	53	100179	279.157	ug/l	98
16) Acetone	2.21	43	211778	298.473	ug/l	95
17) Carbon Disulfide	1.75	76	338655	55.530	ug/l #	93
18) Methyl Acetate	2.32	43	64514	58.453	ug/l	95
19) Methyl tert-butyl Ether	2.41	73	269737	53.296	ug/l	99
20) Methylene Chloride	2.16	84	117333	56.481	ug/l	97
21) trans-1,2-Dichloroethene	2.29	96	122912	54.113	ug/l	90
22) Diisopropyl ether	2.78	45	410283	54.777	ug/l	97
23) Vinyl Acetate	3.16	43	1157122	257.125	ug/l	99
24) 1,1-Dichloroethane	2.85	63	233709	53.915	ug/l	97
25) 2-Butanone	4.30	43	375854	286.296	ug/l	99
26) 2,2-Dichloropropane	3.58	77	179798	55.434	ug/l	94
27) cis-1,2-Dichloroethene	3.45	96	220746	50.909	ug/l	97
28) Bromochloromethane	3.68	49	139907	51.430	ug/l	90
29) Tetrahydrofuran	4.04	42	155409	298.157	ug/l	98
30) Chloroform	3.83	83	350198	51.064	ug/l	97
31) Cyclohexane	3.67	56	308921	51.643	ug/l	99
32) 1,1,1-Trichloroethane	4.06	97	275071	57.429	ug/l	99
36) 1,1-Dichloropropene	4.25	75	276654	50.625	ug/l	96
37) Ethyl Acetate	4.08	43	124606	47.500	ug/l	88
38) Carbon Tetrachloride	3.96	117	258260m	55.306	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	356052	53.390	ug/l	97
40) Benzene	4.60	78	722789	54.488	ug/l	96
41) Methacrylonitrile	4.71	41	69103	46.515	ug/l	96
42) 1,2-Dichloroethane	4.91	62	193848	50.916	ug/l	96
43) Isopropyl Acetate	6.93	43	183559	55.318	ug/l #	98
44) Trichloroethene	5.48	130	199488	50.039	ug/l	99
45) 1,2-Dichloropropane	6.21	63	185883	54.791	ug/l	97
46) Dibromomethane	6.06	93	107958	50.160	ug/l	97
47) Bromodichloromethane	6.36	83	273792	52.740	ug/l	97
48) Methyl methacrylate	6.69	41	110953	53.202	ug/l	98
49) 1,4-Dioxane	6.68	88	21396	980.738	ug/l #	88
51) 4-Methyl-2-Pentanone	8.23	43	581176	260.451	ug/l	97
52) Toluene	7.60	92	460977	53.348	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	225117	49.894	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	316265	55.478	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	134527	53.501	ug/l	98
56) Ethyl methacrylate	8.60	69	161652	49.967	ug/l	96
57) 1,3-Dichloropropane	8.82	76	239642	54.315	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.59	63	61213	299.978	ug/l	100
59) 2-Hexanone	9.46	43	436492	300.600	ug/l	99
60) Dibromochloromethane	8.70	129	185833	52.844	ug/l	100
61) 1,2-Dibromoethane	8.96	107	143206	54.157	ug/l	99
64) Tetrachloroethene	8.12	164	175537	48.301	ug/l	98
65) Chlorobenzene	9.77	112	488449	51.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	186593	46.567	ug/l	99
67) Ethyl Benzene	9.88	91	878086	51.026	ug/l	99
68) m/p-Xylenes	10.11	106	661248	102.008	ug/l	94
69) o-Xylene	10.69	106	357554	50.515	ug/l	97
70) Styrene	10.77	104	516772	50.394	ug/l	98
71) Bromoform	10.76	173	99613	48.134	ug/l	98
73) Isopropylbenzene	11.10	105	971510	51.855	ug/l	99
74) N-amyl acetate	11.36	43	252519	53.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	178829	52.294	ug/l	99
76) 1,2,3-Trichloropropane	11.85	75	88397	52.599	ug/l	98
77) Bromobenzene	11.48	156	203742	49.700	ug/l	97
78) n-propylbenzene	11.58	91	1151173	52.517	ug/l	97
79) 2-Chlorotoluene	11.70	91	646507	51.645	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	751943	48.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	69433m	52.569	ug/l	
82) 4-Chlorotoluene	11.88	91	670897	51.368	ug/l	99
83) tert-Butylbenzene	12.12	119	792081	50.207	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	772635	51.090	ug/l	100
85) sec-Butylbenzene	12.30	105	1072989	49.442	ug/l	96
86) p-Isopropyltoluene	12.44	119	854308	47.802	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	393375	48.889	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	398412	52.204	ug/l	99
89) n-Butylbenzene	12.83	91	859410	49.428	ug/l	99
90) Hexachloroethane	12.91	117	230702	50.761	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	373797	49.656	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	32620	54.905	ug/l	85

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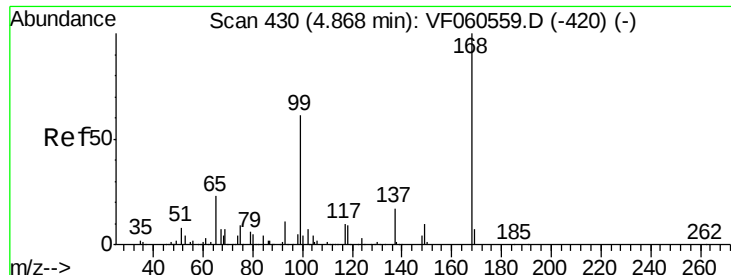
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	246642	48.228	ug/l	99
94) Hexachlorobutadiene	14.18	225	157703	47.589	ug/l	97
95) Naphthalene	14.45	128	480250	46.919	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	239415	49.559	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 298022

Ion Ratio Lower Upper

168 100

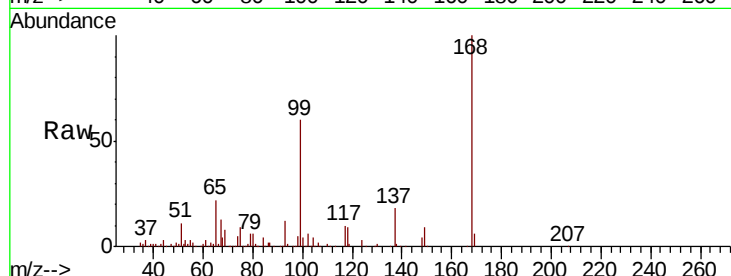
99 59.6 48.6 72.8

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

100000

80000

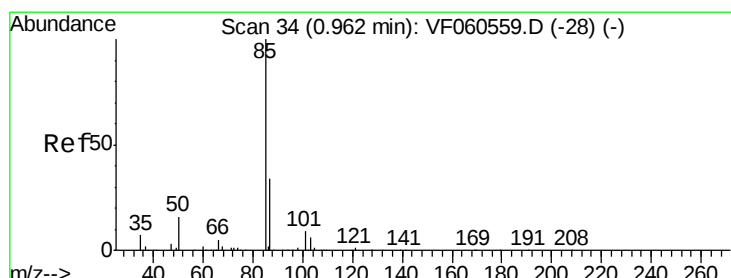
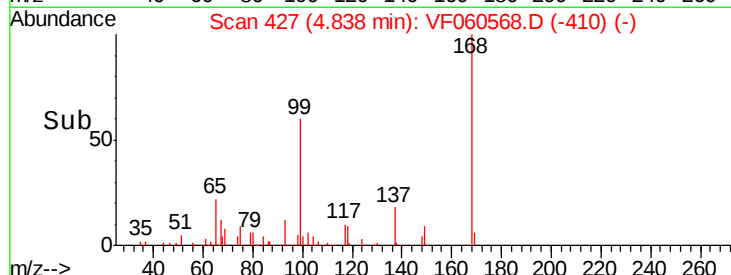
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.177 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060568.D

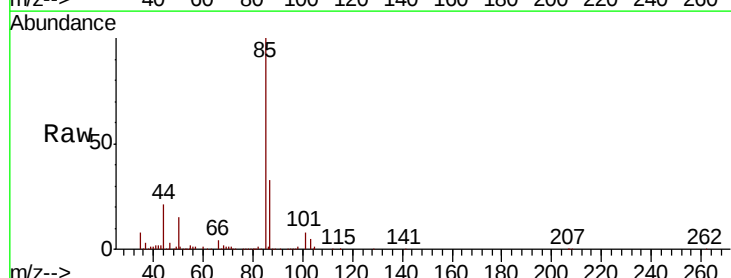
Acq: 5 Nov 2018 11:38

Tgt Ion: 85 Resp: 173394

Ion Ratio Lower Upper

85 100

87 32.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

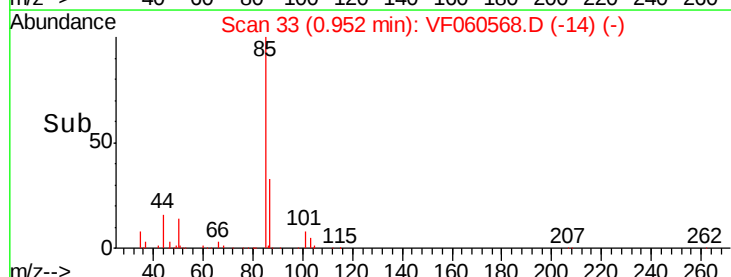
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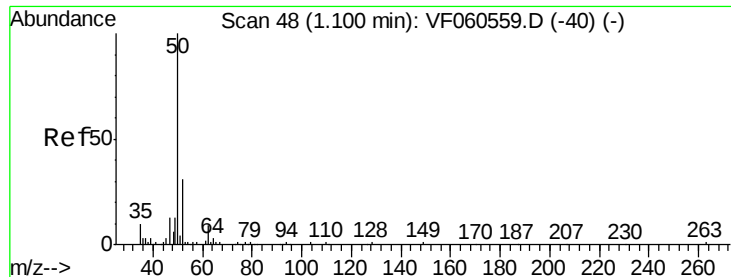
40000

20000

0

Time-->





#3

Chloromethane

Concen: 60.143 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156868

Ion Ratio Lower Upper

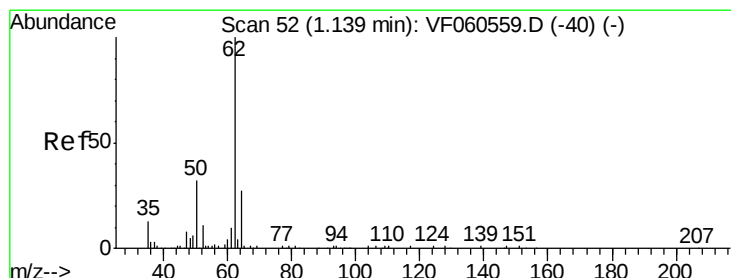
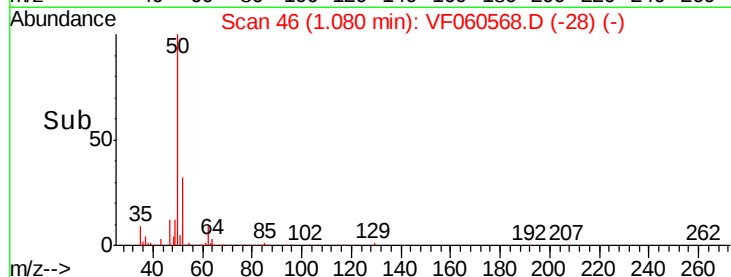
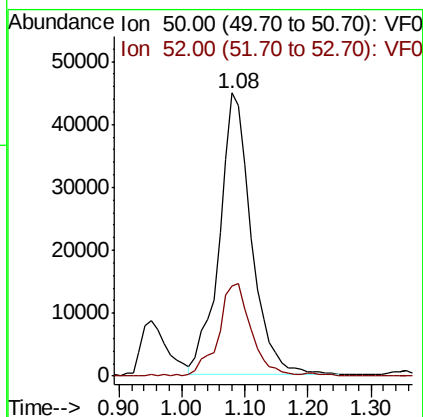
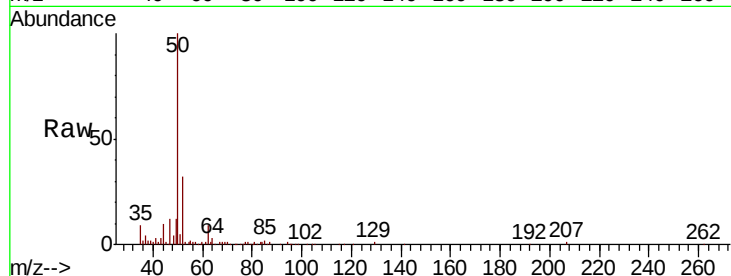
50 100

52 32.0 24.0 36.0

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#4

Vinyl Chloride

Concen: 60.012 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060568.D

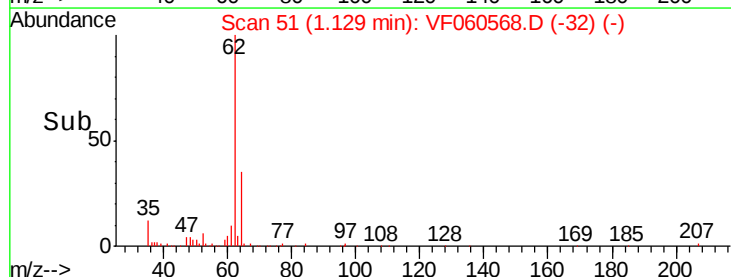
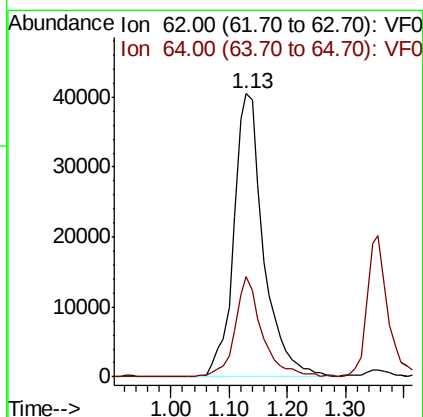
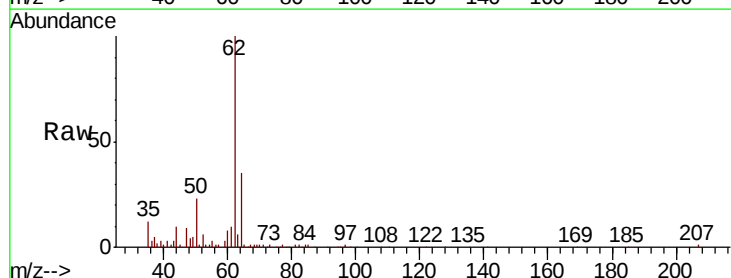
Acq: 5 Nov 2018 11:38

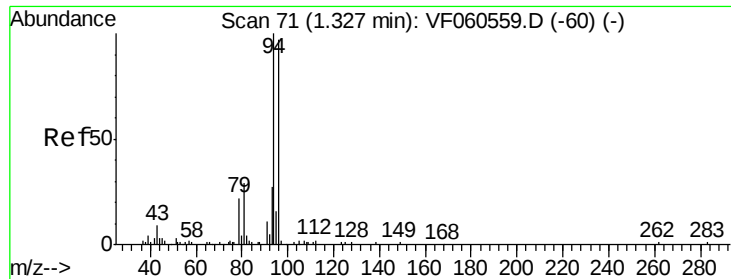
Tgt Ion: 62 Resp: 144237

Ion Ratio Lower Upper

62 100

64 35.3 21.8 32.6#





#5

Bromomethane

Concen: 56.934 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 76810

Ion Ratio Lower Upper

94 100

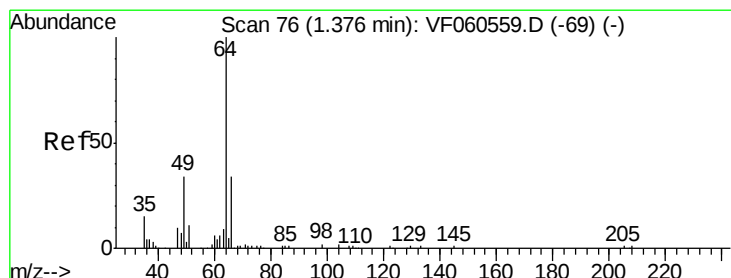
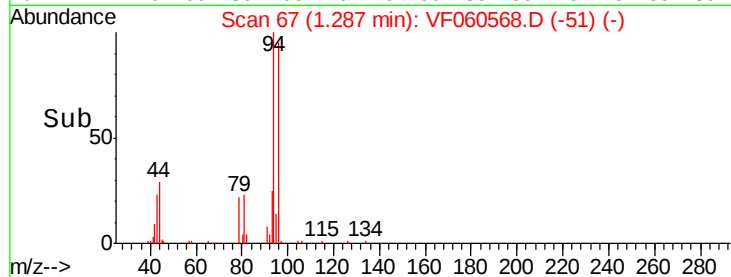
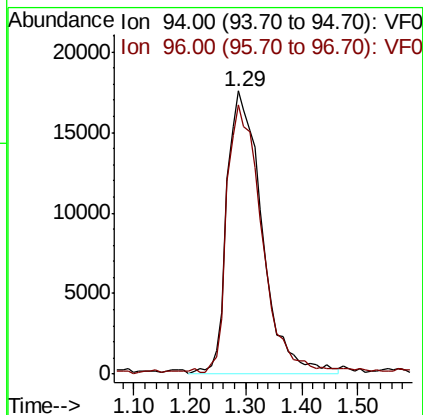
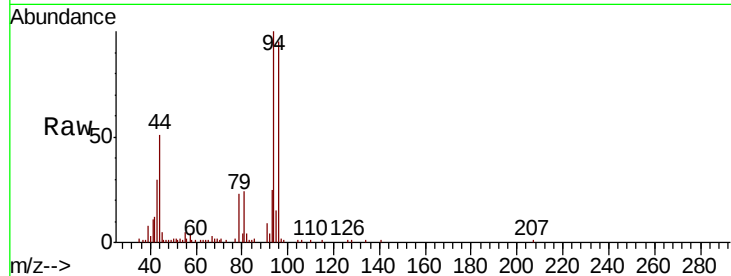
96 95.3 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 59.352 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF060568.D

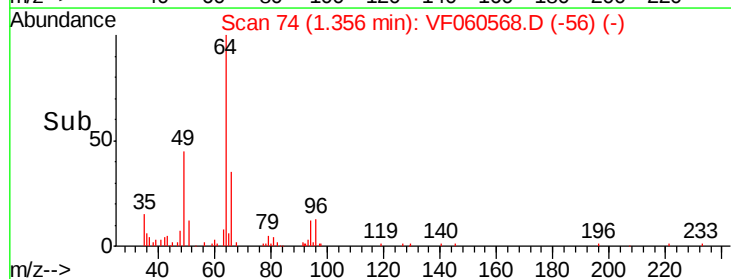
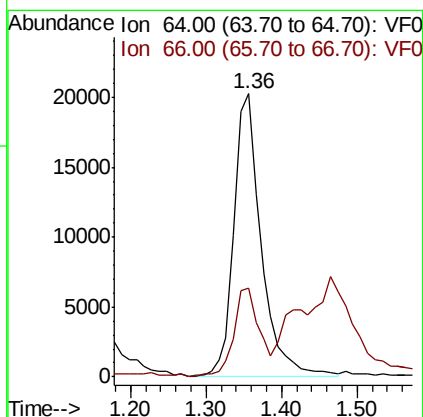
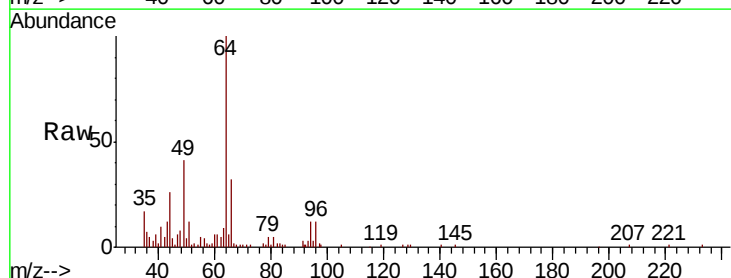
Acq: 5 Nov 2018 11:38

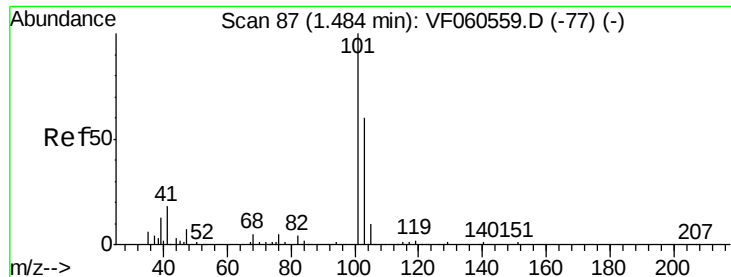
Tgt Ion: 64 Resp: 50807

Ion Ratio Lower Upper

64 100

66 31.5 27.8 41.8





#7

Trichlorofluoromethane

Concen: 52.769 ug/l

RT: 1.46 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

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Tot Ion:101 Resp: 237376

Ion Ratio Lower Upper

101 100

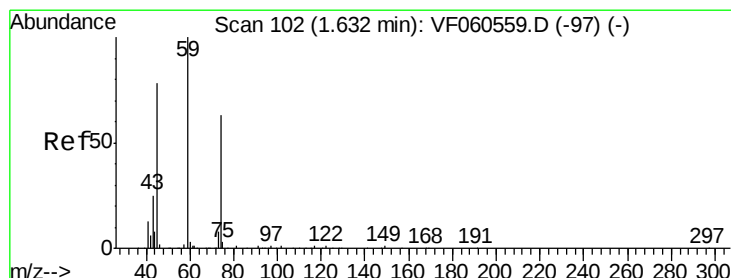
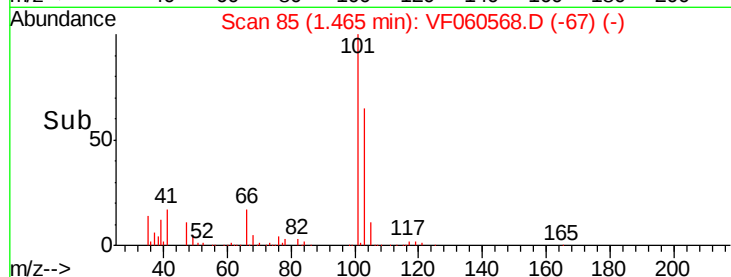
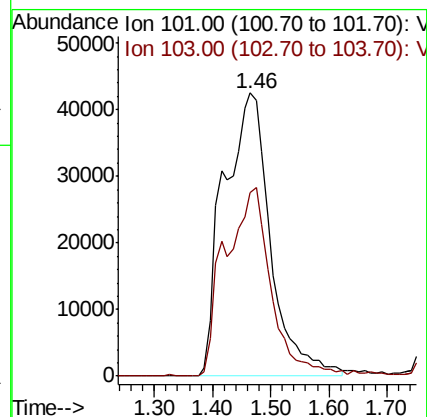
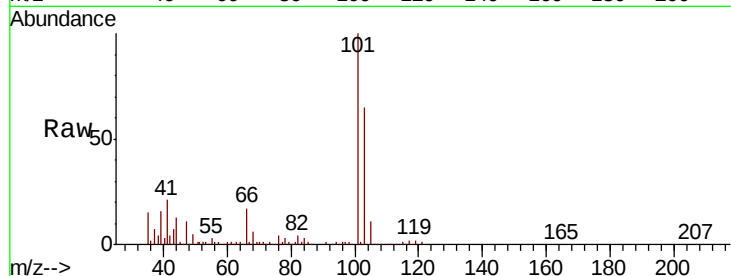
103 64.7 48.0 72.0

Manual Integrations

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#8

Diethyl Ether

Concen: 46.947 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060568.D

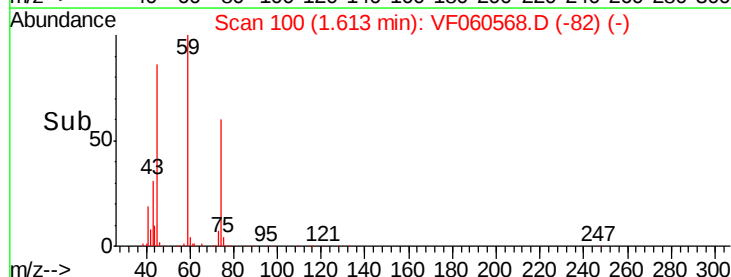
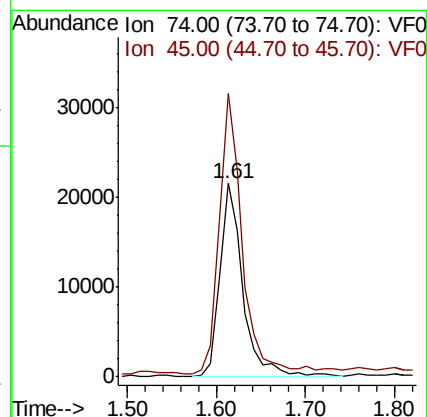
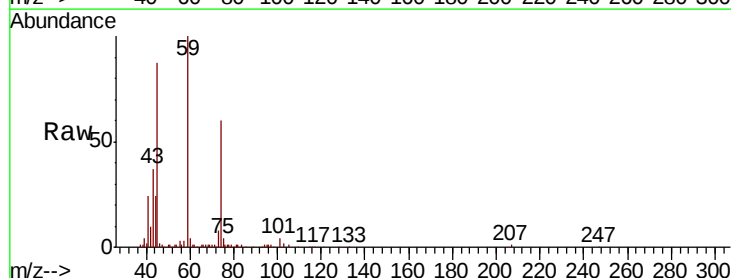
Acq: 5 Nov 2018 11:38

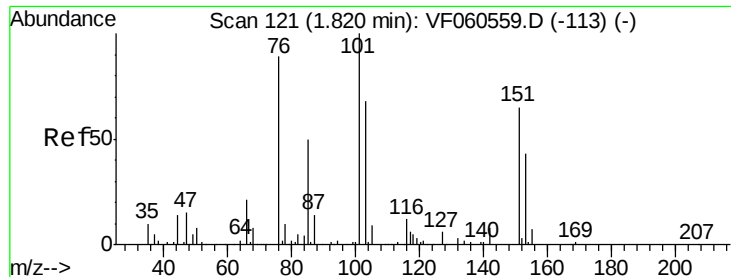
Tgt Ion: 74 Resp: 39141

Ion Ratio Lower Upper

74 100

45 146.2 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.003 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

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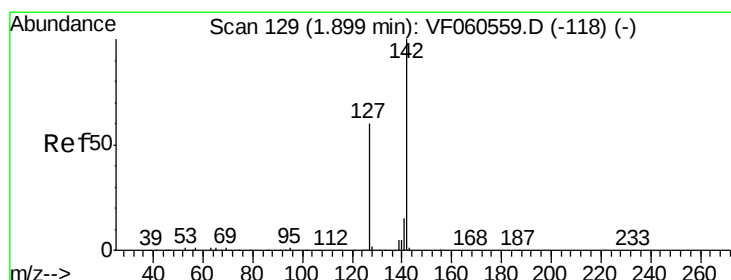
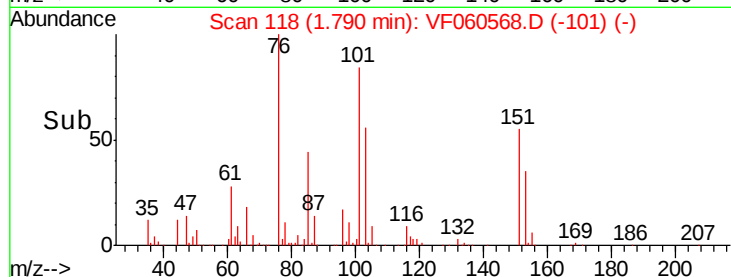
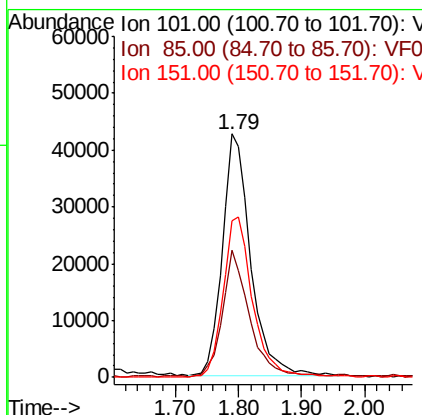
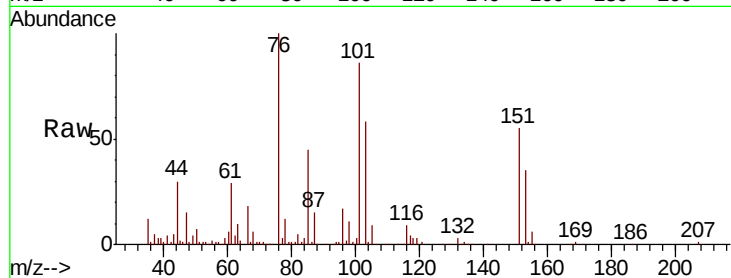
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	131106
Ion Ratio	Lower	Upper	
101	100		
85	52.0	39.8	59.6
151	64.2	50.8	76.2

Manual Integrations
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11/6/2018 12:53:45 PM



#10

Methyl Iodide

Concen: 53.750 ug/l

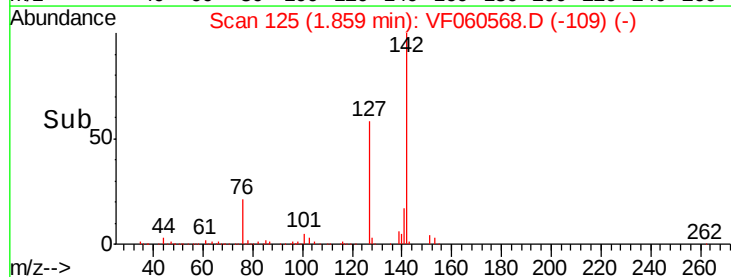
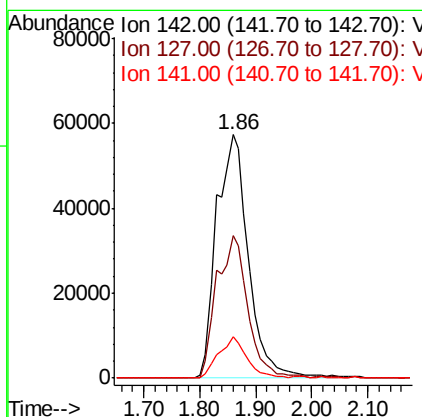
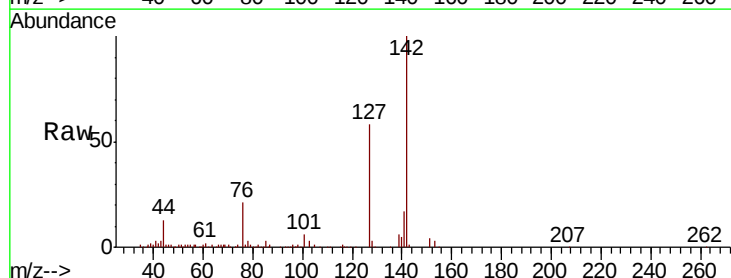
RT: 1.86 min Scan# 125

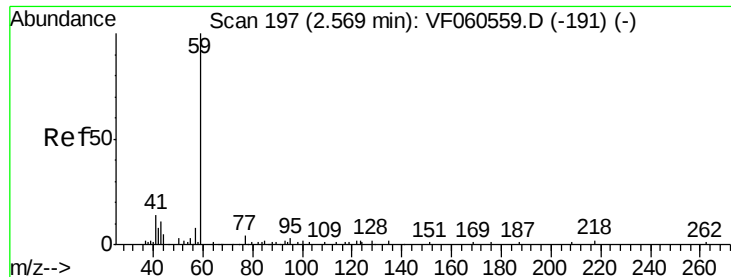
Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	142	Resp:	227372
Ion Ratio	Lower	Upper	
142	100		
127	58.5	47.8	71.6
141	16.8	12.7	19.1





#11

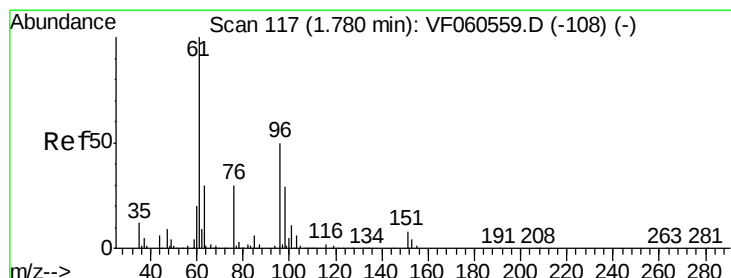
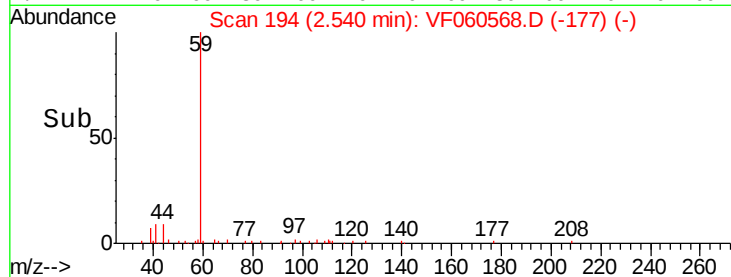
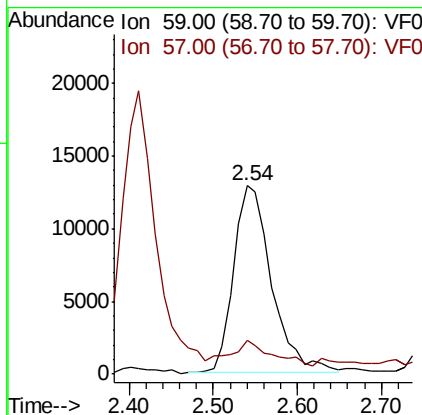
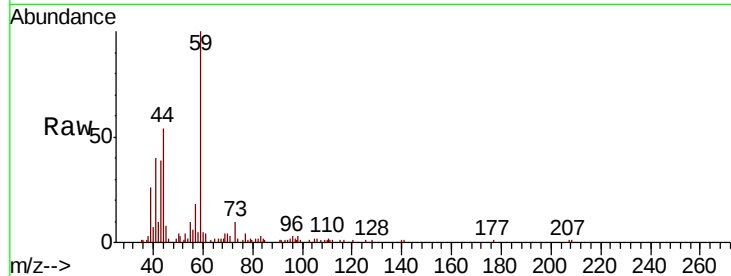
Tert butyl alcohol
Concen: 256.904 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	40483
Ion Ratio	100	Lower	Upper
57	17.6	19.0	28.4#

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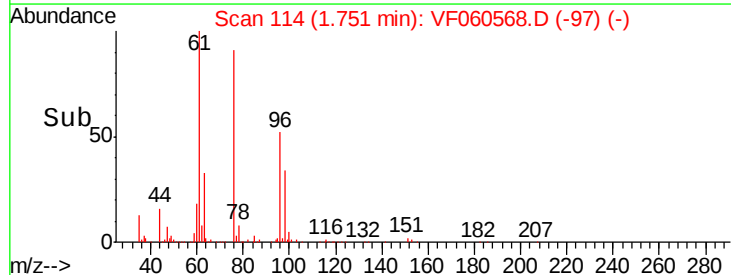
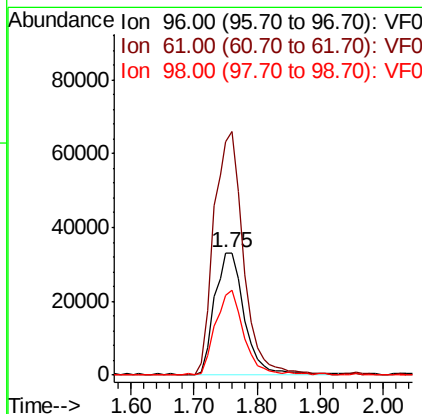
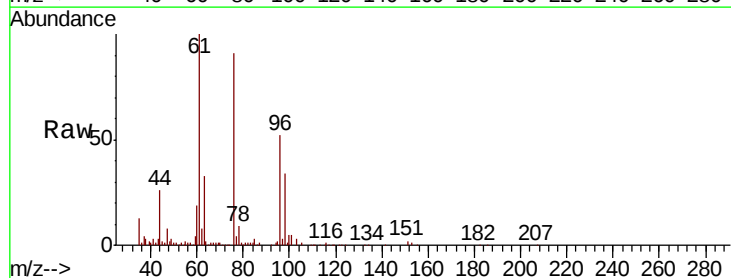
MMDadoda
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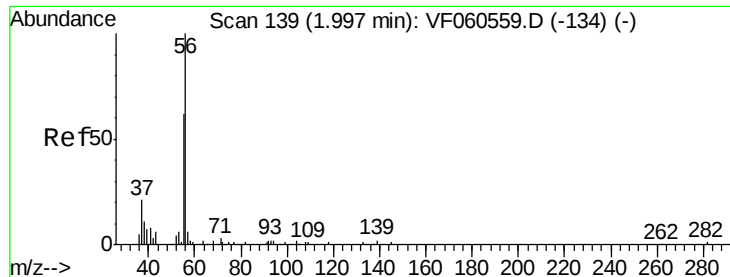


#12

1,1-Dichloroethene
Concen: 49.860 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	96	Resp	107948
Ion Ratio	100	Lower	Upper
61	190.7	158.1	237.1
98	65.3	47.0	70.6





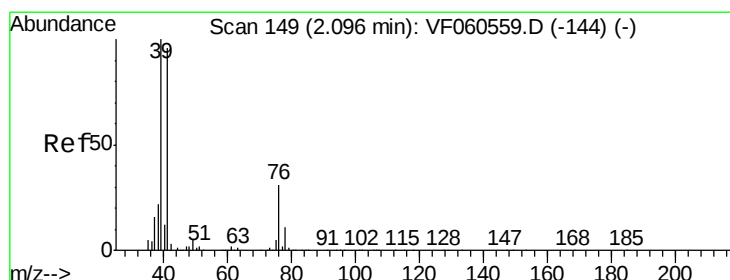
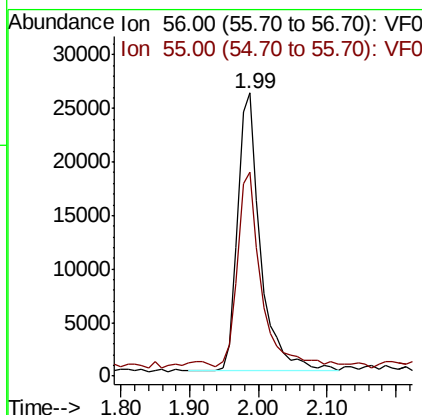
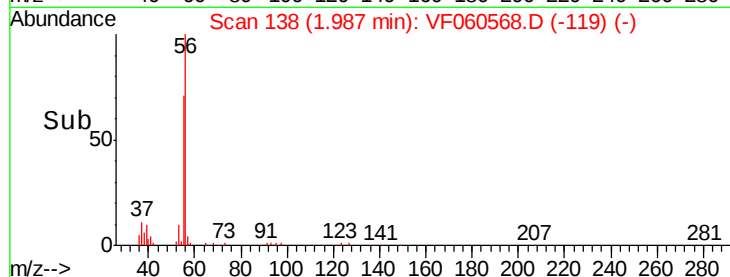
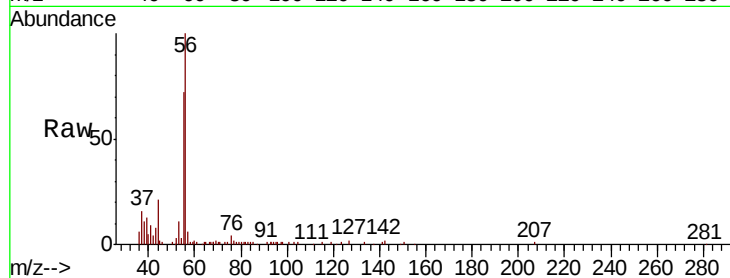
#13
Acrolein
Concen: 666.147 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	61.8	92.6

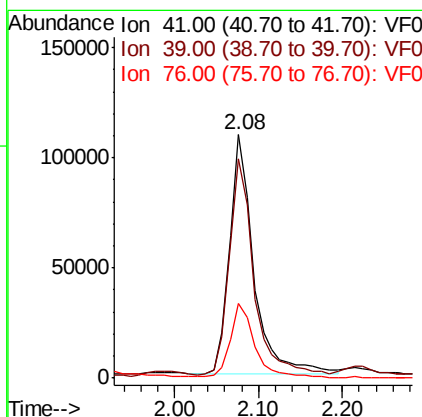
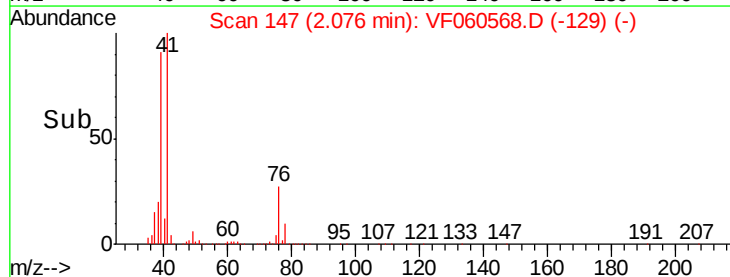
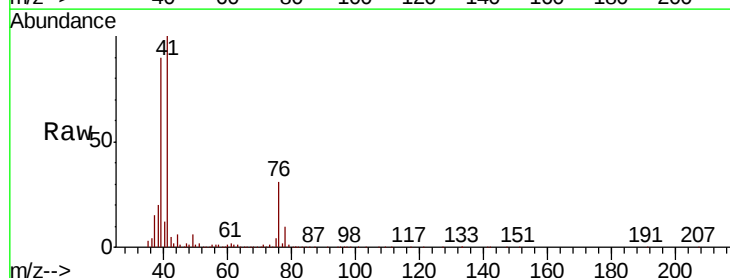
Manual Integrations
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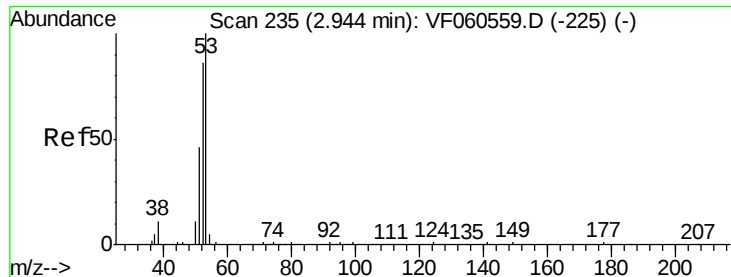
MMDadoda
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#14
Allyl chloride
Concen: 61.805 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	90.1	82.6	124.0
76	30.6	26.7	40.1





#15

Acrylonitrile

Concen: 279.157 ug/l

RT: 2.91 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

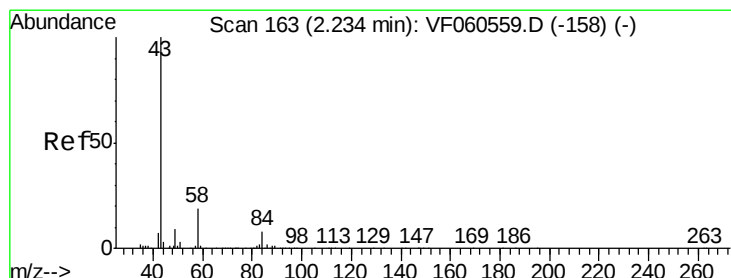
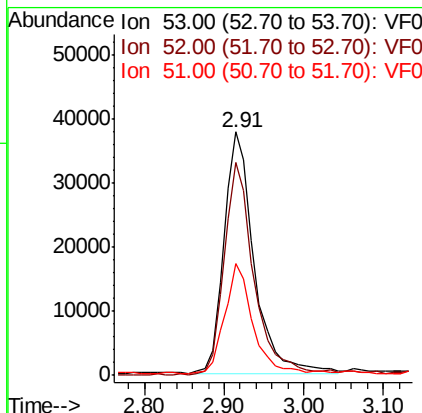
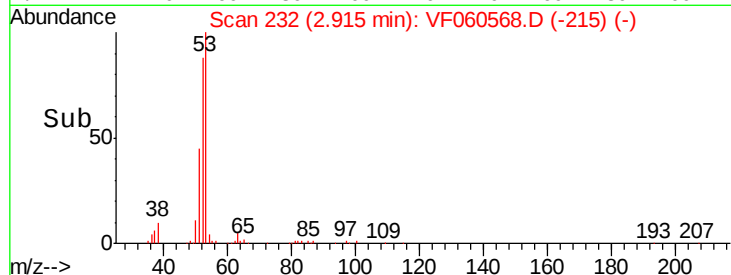
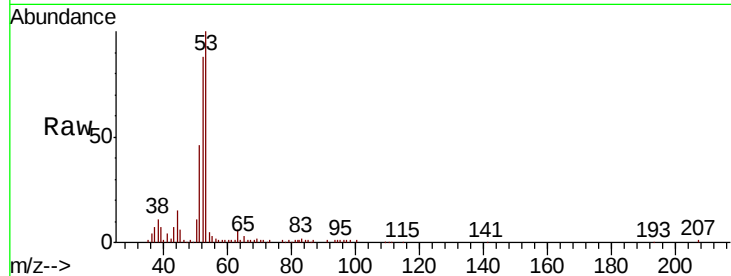
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	100179
Ion Ratio		Lower	Upper
53	100		
52	87.7	68.5	102.7
51	45.9	38.2	57.2

Manual Integrations
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#16

Acetone

Concen: 298.473 ug/l

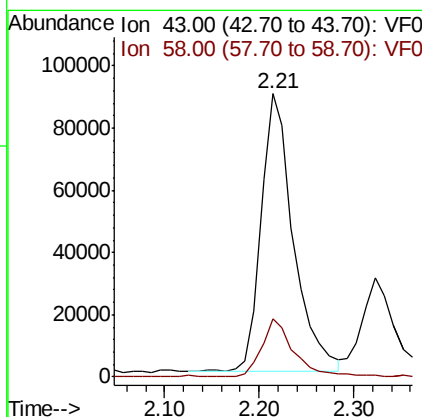
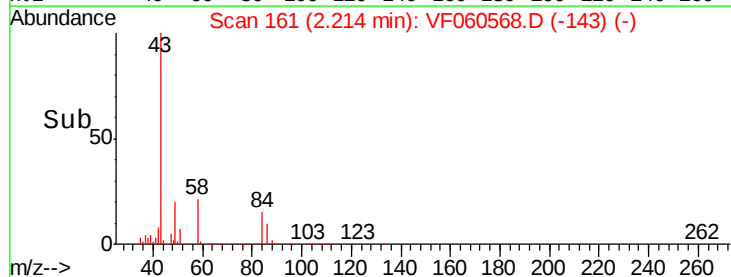
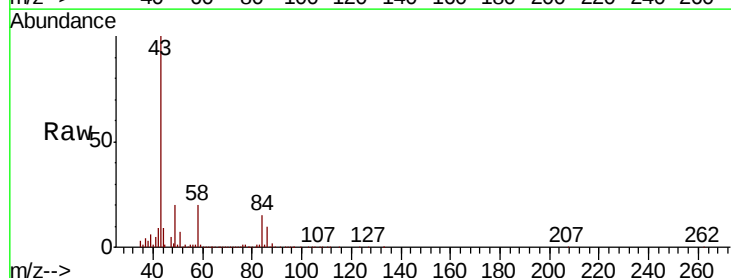
RT: 2.21 min Scan# 161

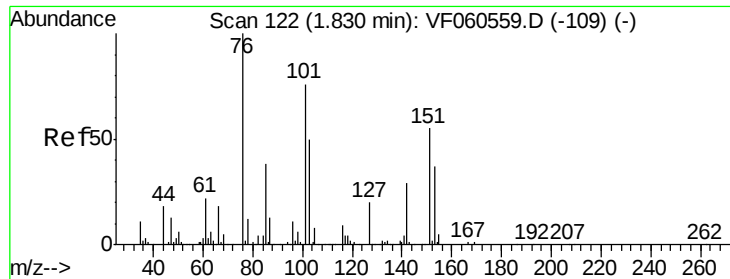
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	43	Resp:	211778
Ion Ratio		Lower	Upper
43	100		
58	20.5	14.6	22.0





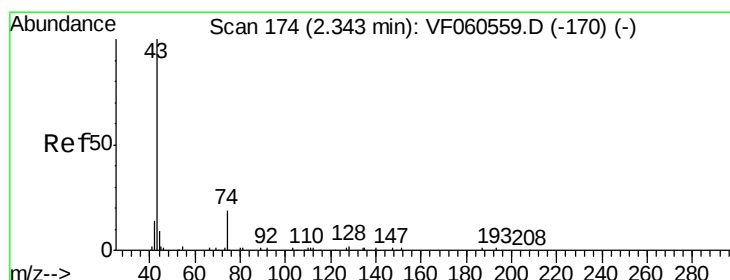
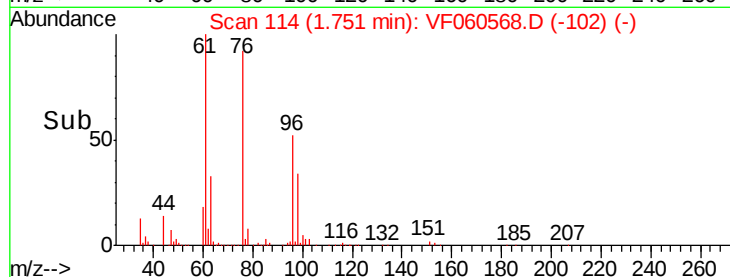
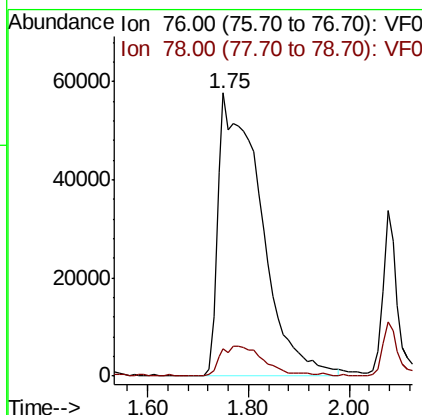
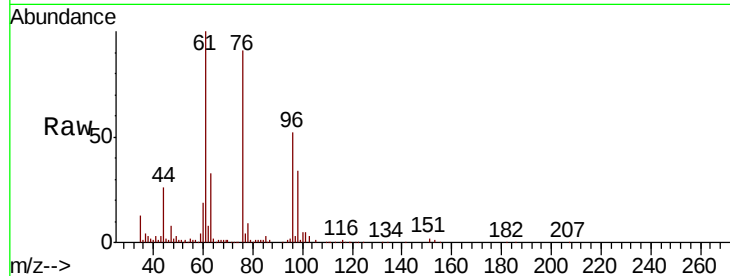
#17
Carbon Disulfide
Concen: 55.530 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.08 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	9.9	14.9#

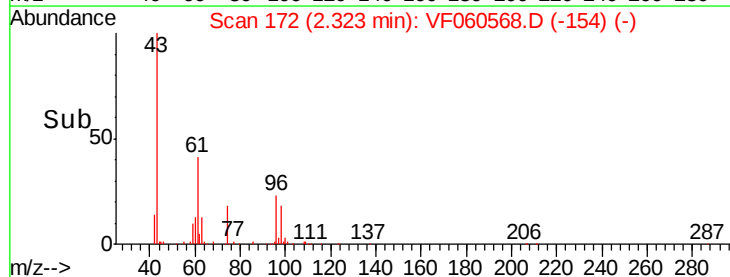
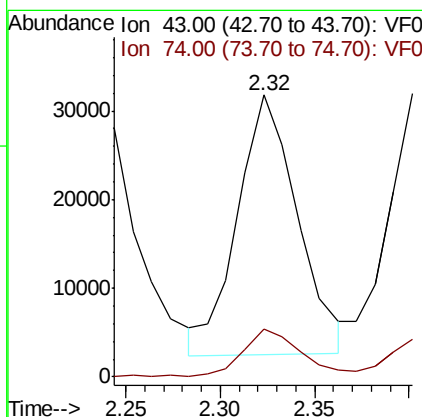
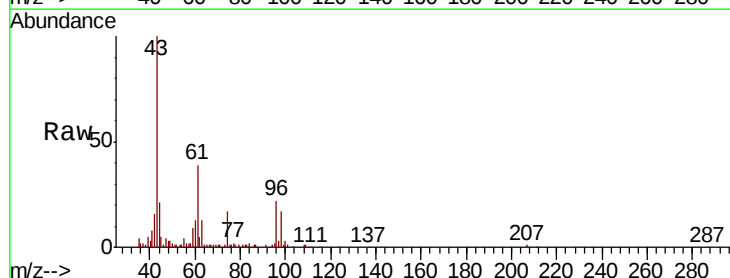
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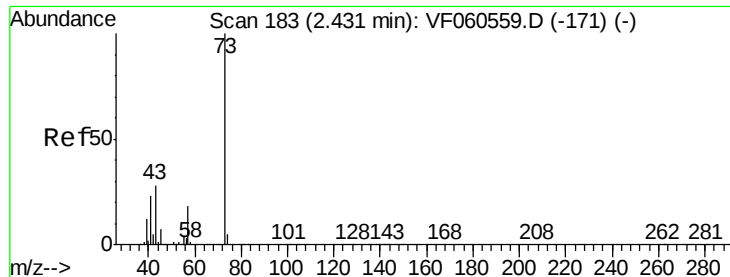
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#18
Methyl Acetate
Concen: 58.453 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	12.1	18.1





#19

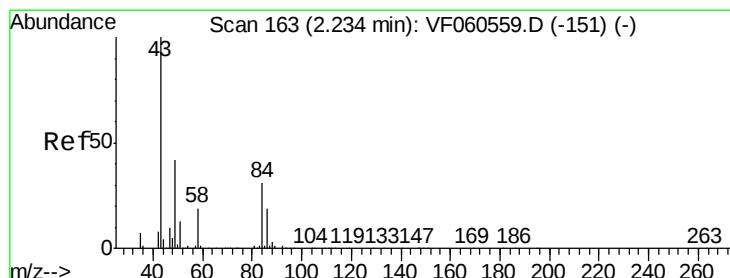
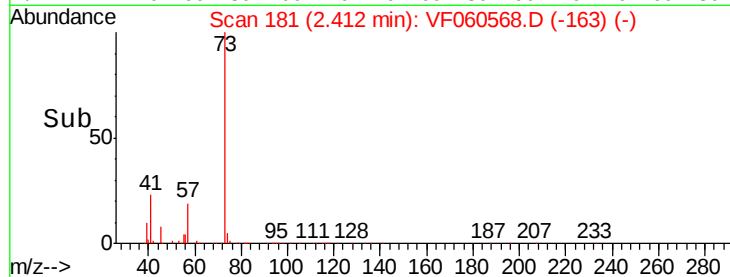
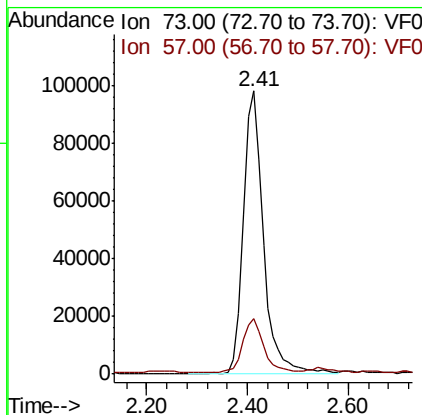
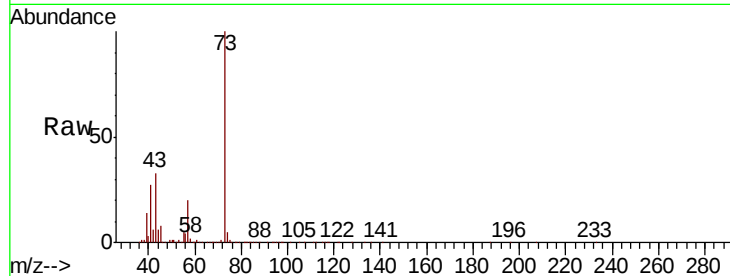
Methyl tert-butyl Ether
 Concen: 53.296 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.4	23.0

Manual Integrations
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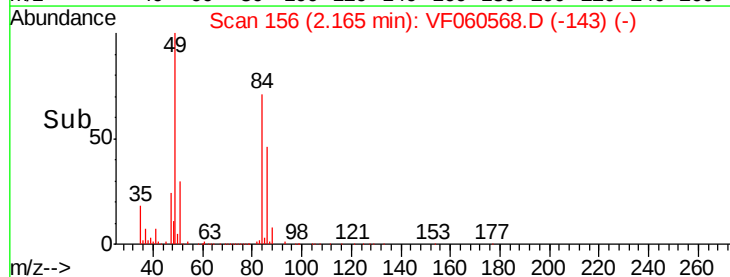
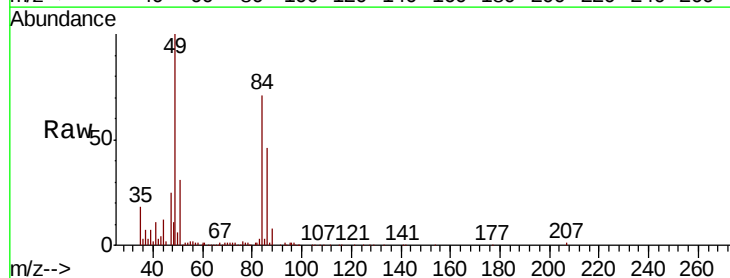
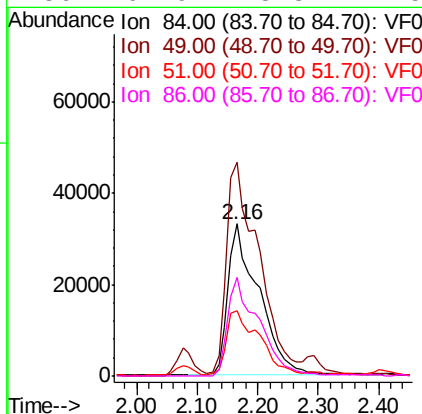
MMDadoda
 11/6/2018 12:53:45 PM

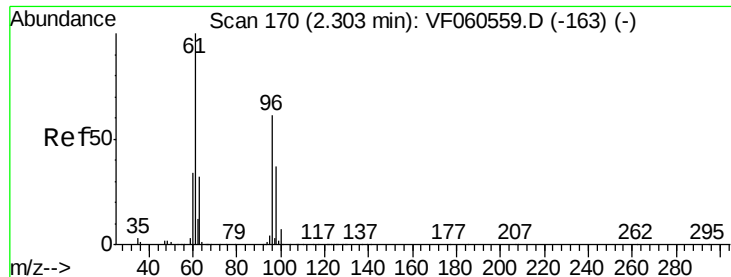


#20

Methylene Chloride
 Concen: 56.481 ug/l
 RT: 2.16 min Scan# 156
 Delta R.T. -0.07 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	109.9	164.9
51	43.1	35.8	53.8
86	64.9	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 54.113 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

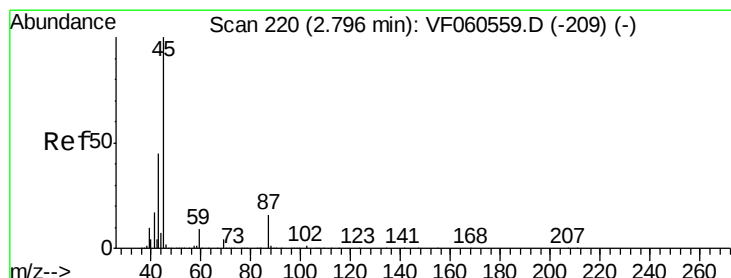
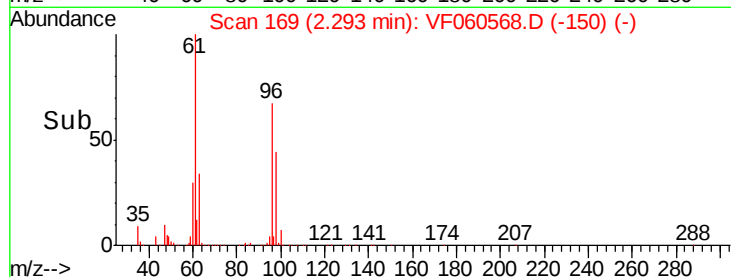
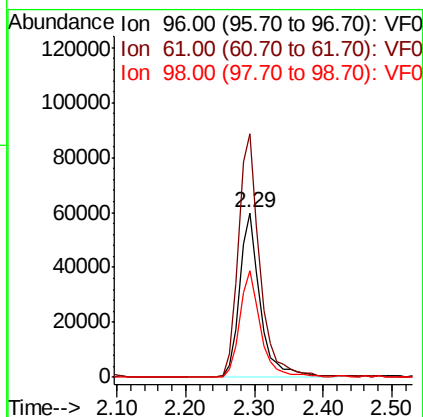
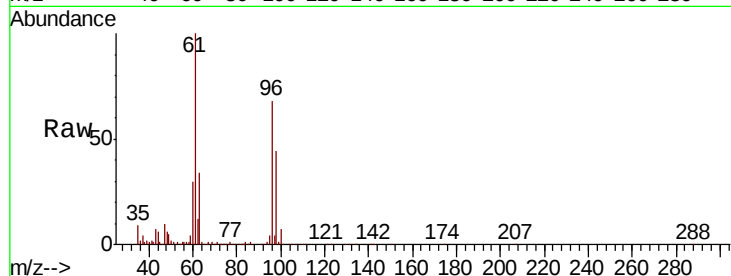
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122912
Ion	Ratio	Lower	Upper
96	100		
61	148.1	131.3	196.9
98	64.8	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.777 ug/l

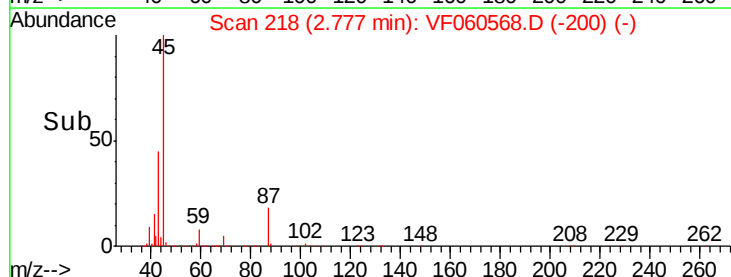
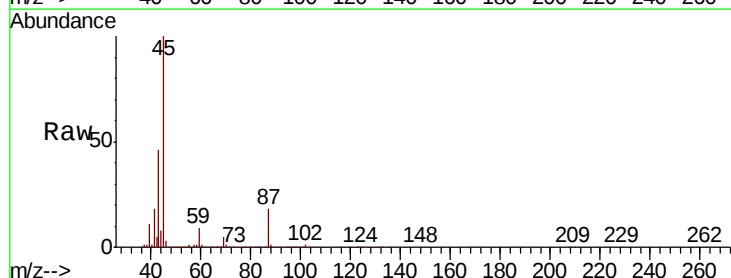
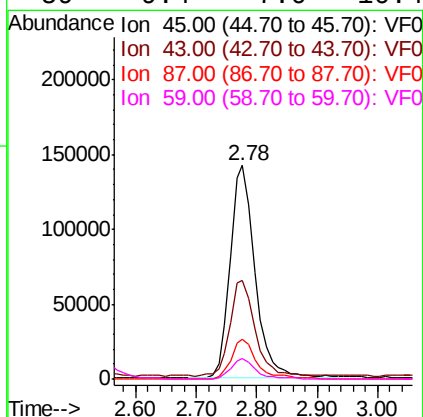
RT: 2.78 min Scan# 218

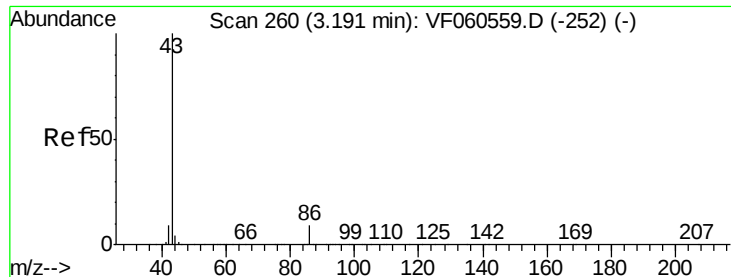
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	45	Resp:	410283
Ion	Ratio	Lower	Upper
45	100		
43	46.4	38.1	57.1
87	18.4	12.7	19.1
59	9.4	7.0	10.4





#23

Vinyl Acetate

Concen: 257.125 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1157122

Ion Ratio Lower Upper

43 100

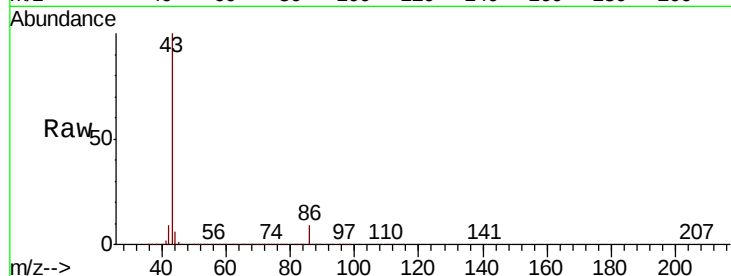
86 9.2 7.1 10.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

400000

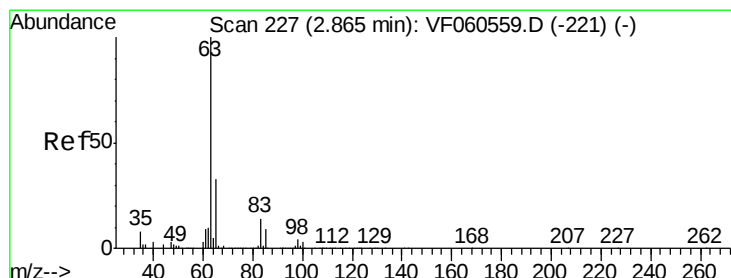
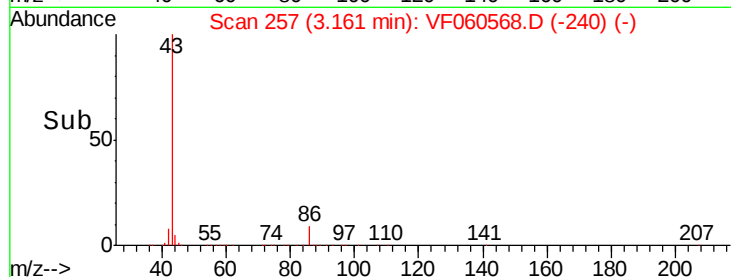
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.915 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

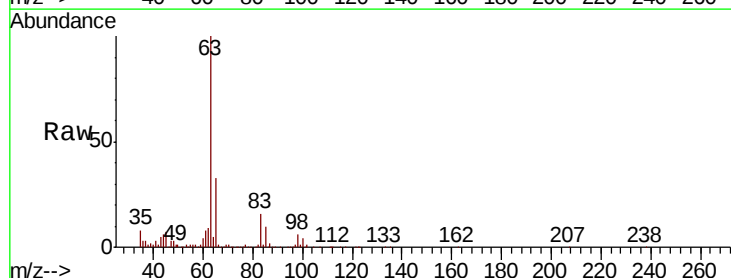
Tgt Ion: 63 Resp: 233709

Ion Ratio Lower Upper

63 100

98 5.7 2.2 6.6

100 3.6 1.4 4.0



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

2.85

120000

100000

80000

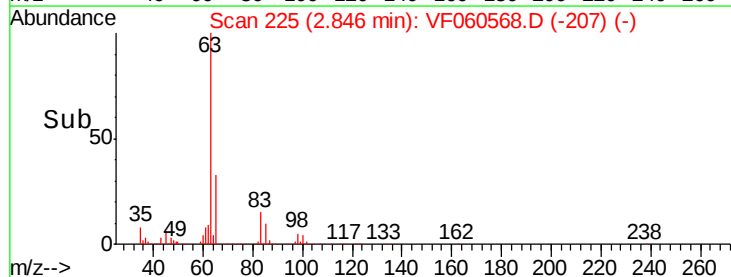
60000

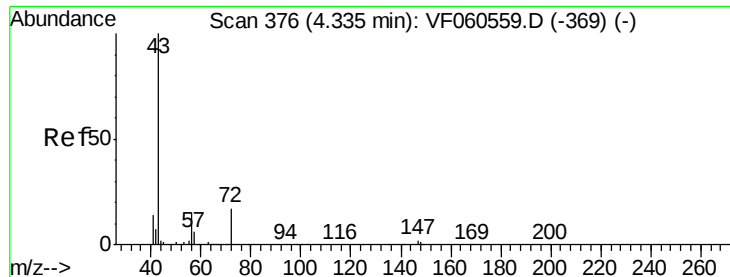
40000

20000

0

Time-->





#25

2-Butanone

Concen: 286.296 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 375854

Ion Ratio Lower Upper

43 100

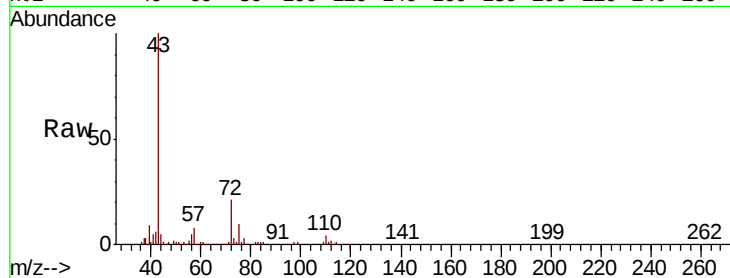
72 20.6 16.2 24.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

100000

80000

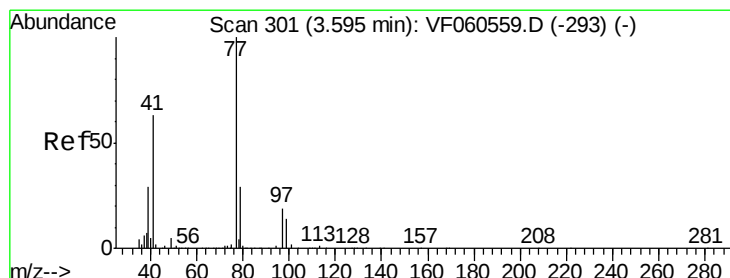
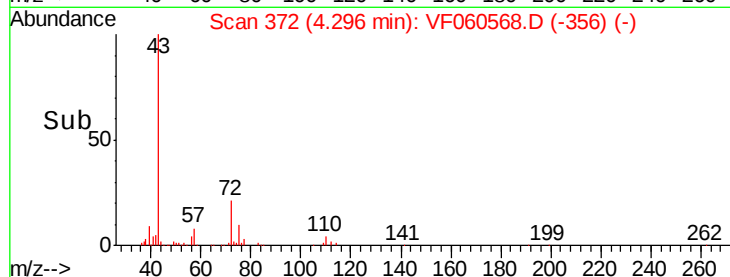
60000

40000

20000

0

Time--> 4.10 4.20 4.30 4.40 4.50



#26

2,2-Dichloropropane

Concen: 55.434 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF060568.D

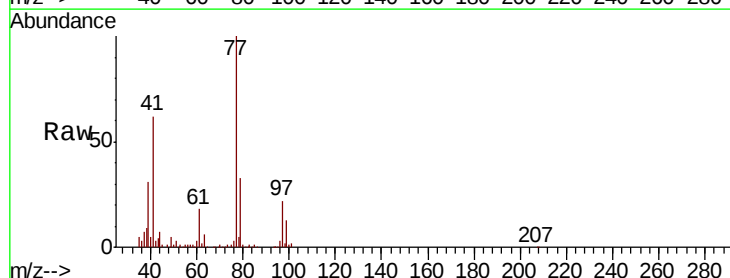
Acq: 5 Nov 2018 11:38

Tgt Ion: 77 Resp: 179798

Ion Ratio Lower Upper

77 100

97 22.4 9.8 29.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

60000

50000

40000

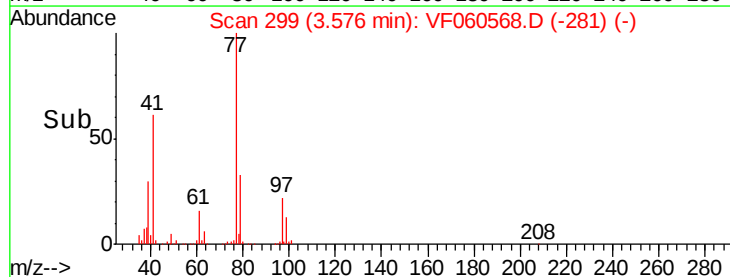
30000

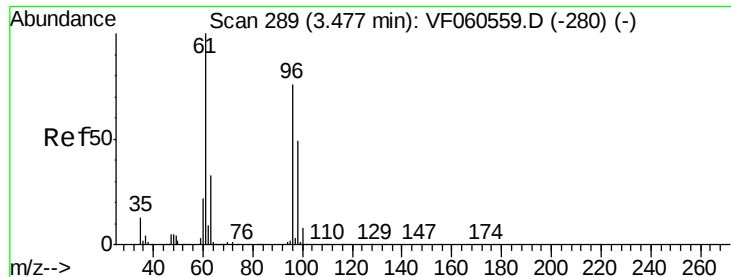
20000

10000

0

Time--> 3.40 3.50 3.60 3.70 3.80





#27

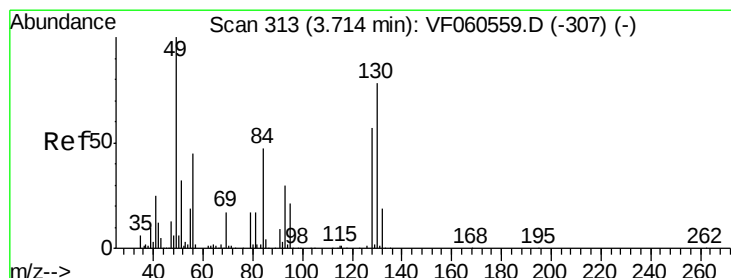
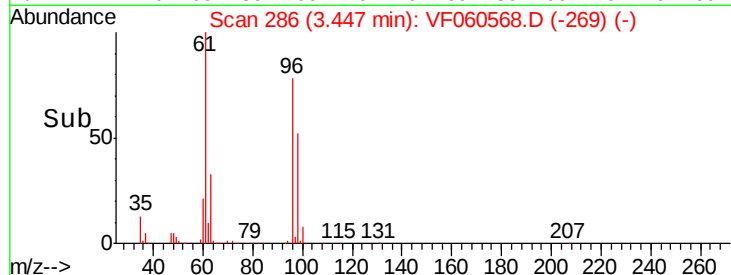
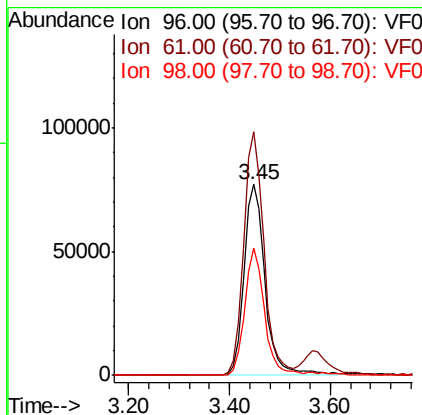
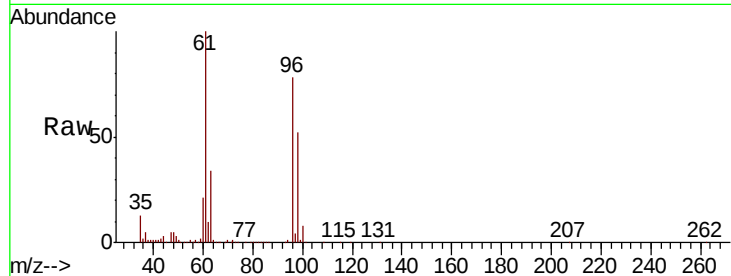
cis-1,2-Dichloroethene
Concen: 50.909 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220746		
61	127.7	0.0	263.0	
98	66.7	0.0	130.6	

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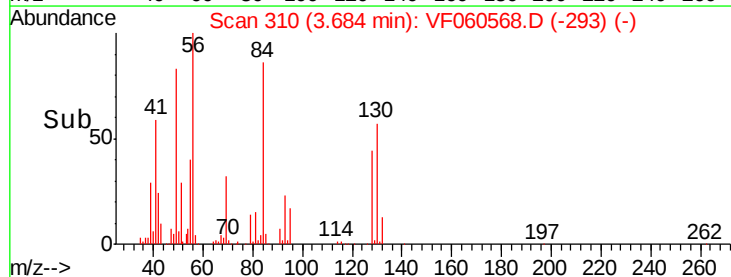
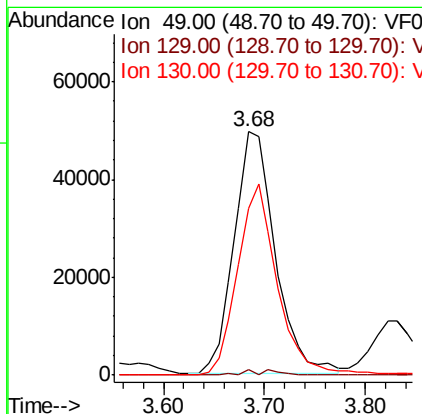
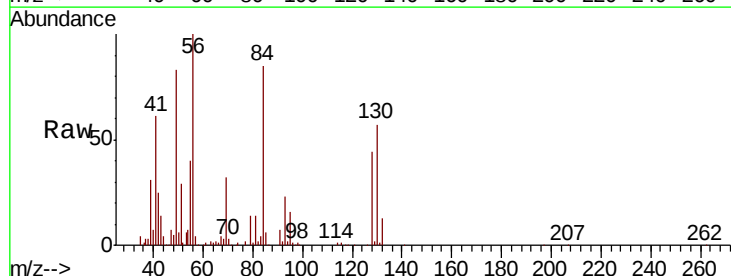
MMDadoda
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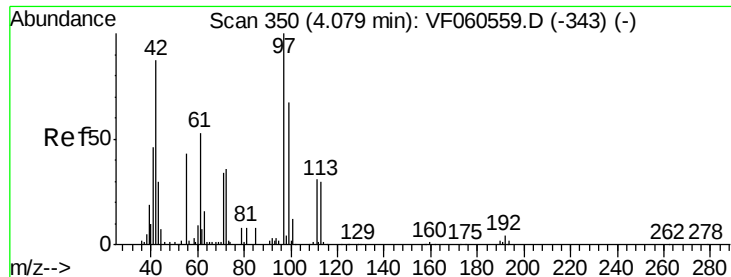


#28

Bromochloromethane
Concen: 51.430 ug/l
RT: 3.68 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139907		
129	2.2	0.0	4.6	
130	68.6	61.8	92.8	





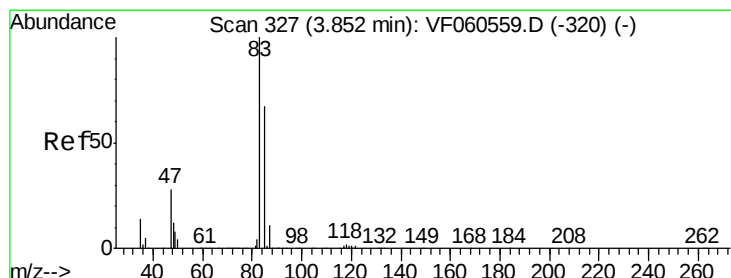
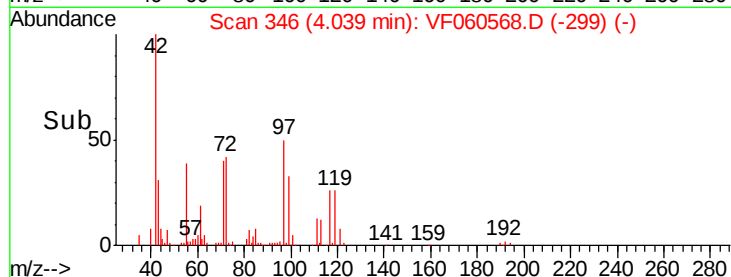
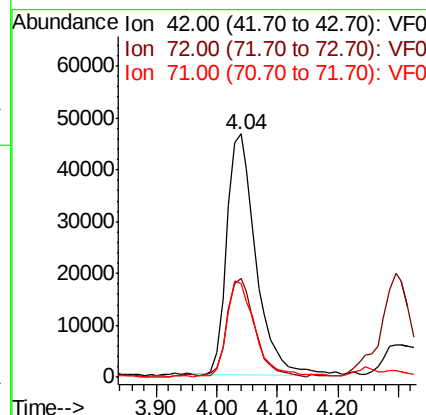
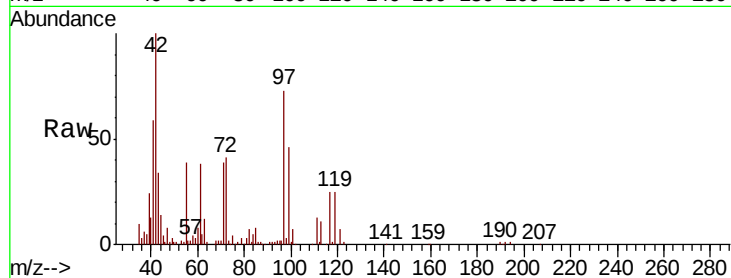
#29
Tetrahydrofuran
Concen: 298.157 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.04 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	38.5	31.8	47.6

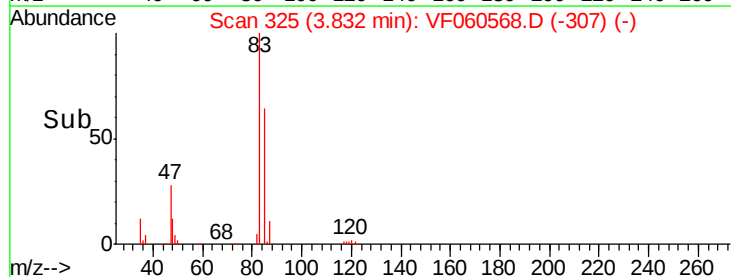
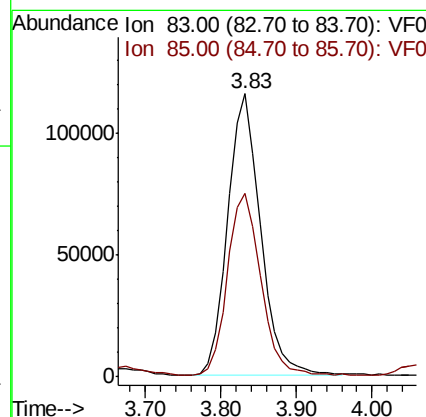
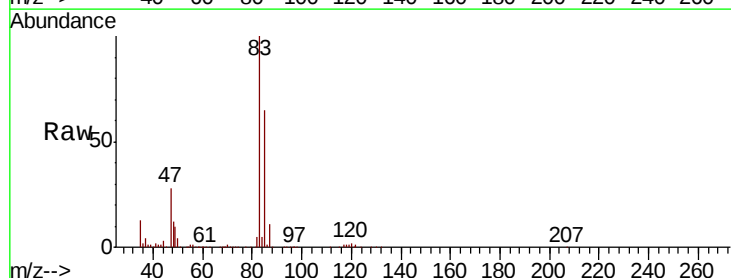
Manual Integrations
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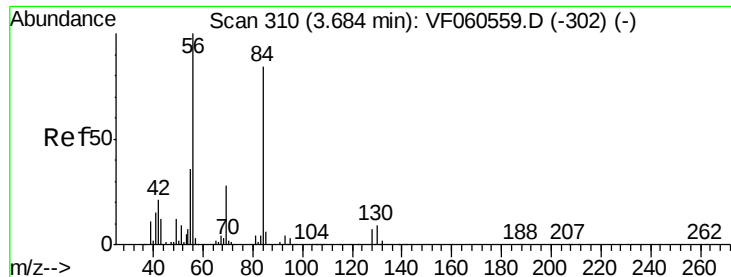
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#30
Chloroform
Concen: 51.064 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.7	80.5





#31

Cyclohexane

Concen: 51.643 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

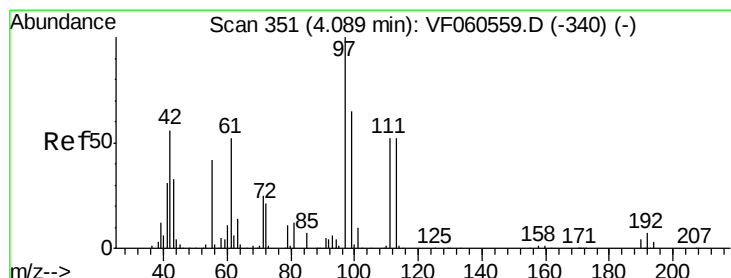
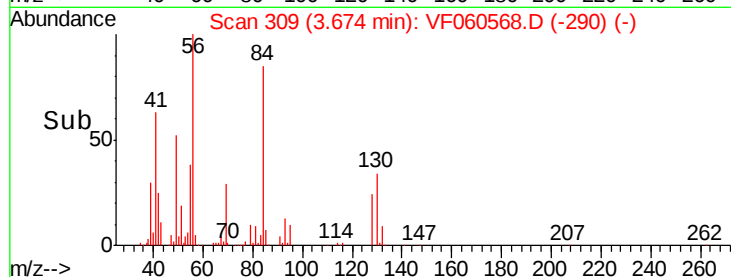
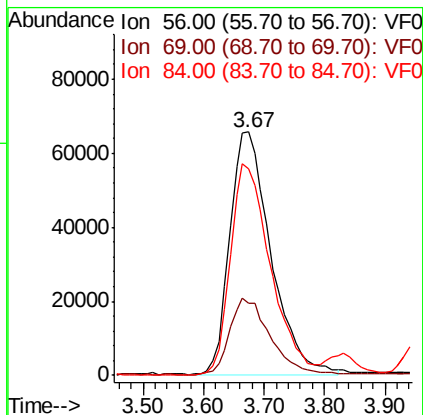
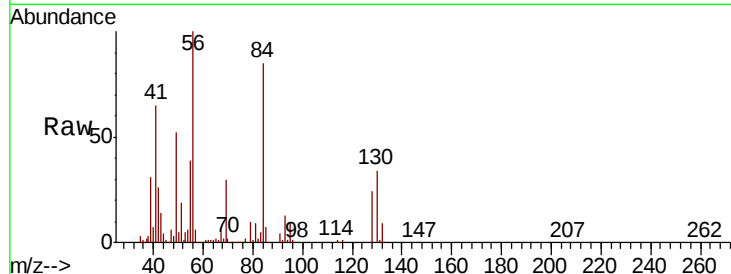
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	308921
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.0	34.4
84	84.7	67.1	100.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.429 ug/l

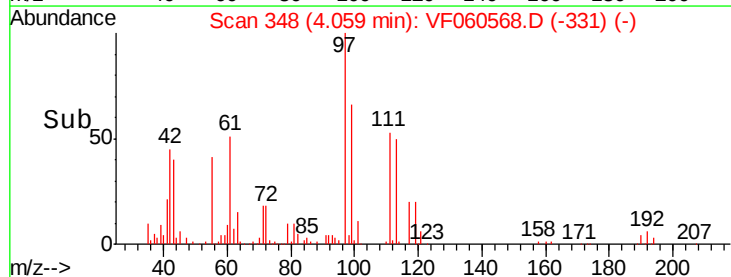
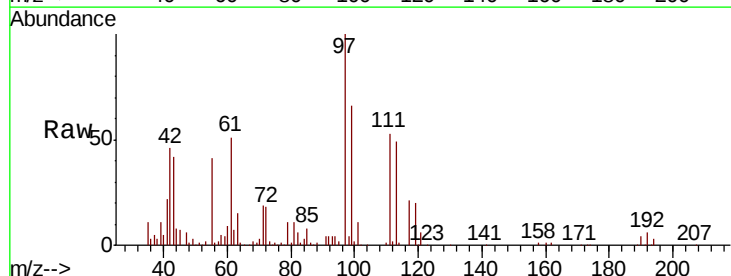
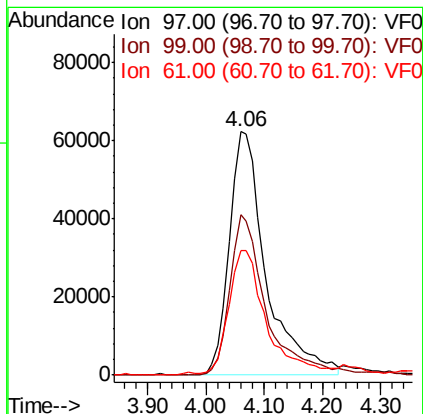
RT: 4.06 min Scan# 348

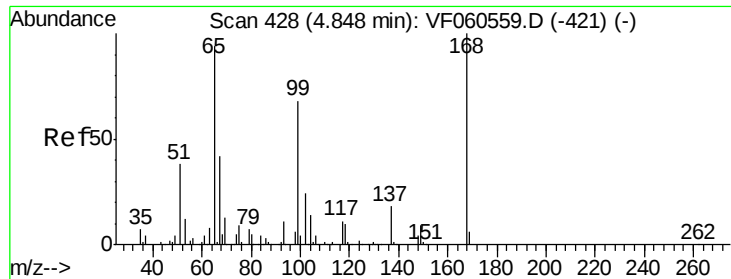
Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	97	Resp:	275071
Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.4	78.6
61	51.0	41.5	62.3





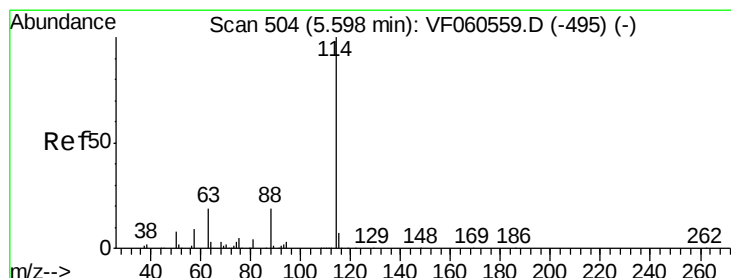
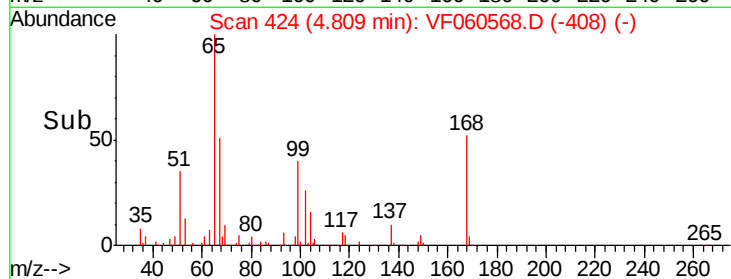
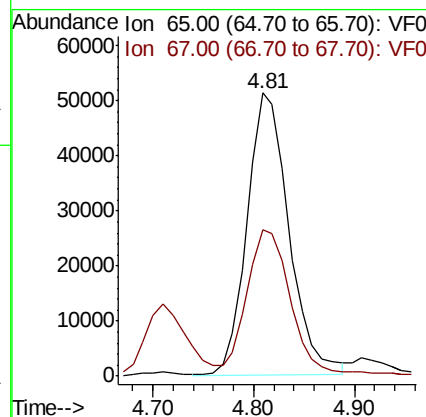
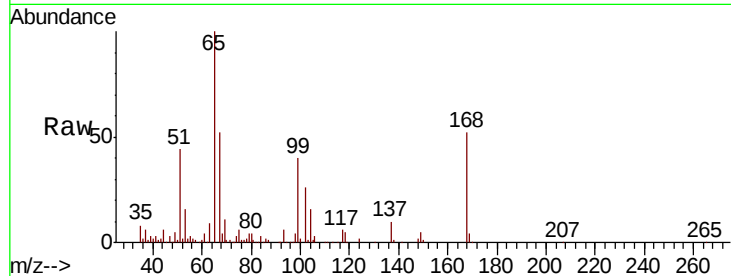
#33
 1,2-Dichloroethane-d4
 Concen: 49.193 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.8

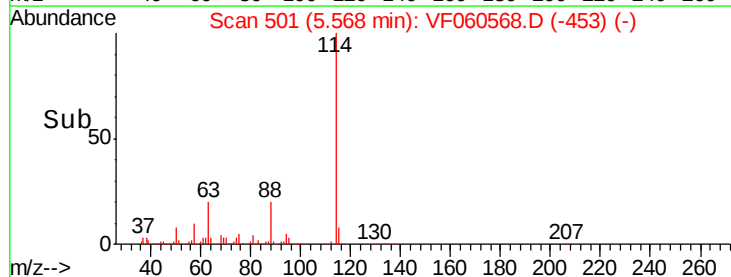
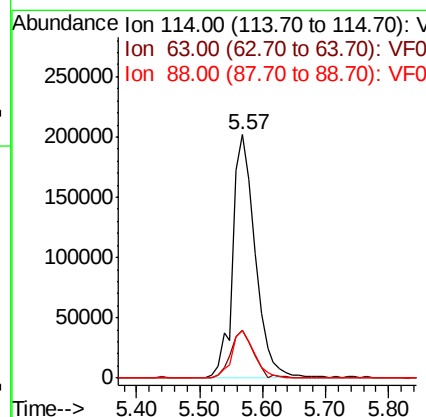
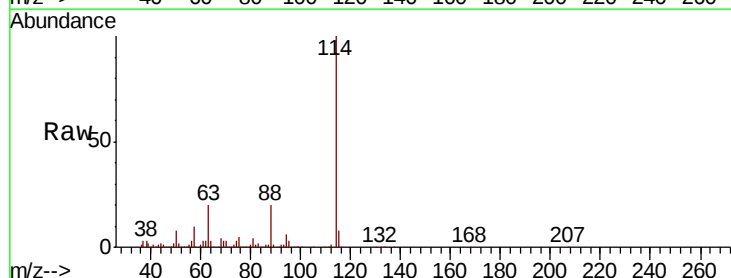
Manual Integrations
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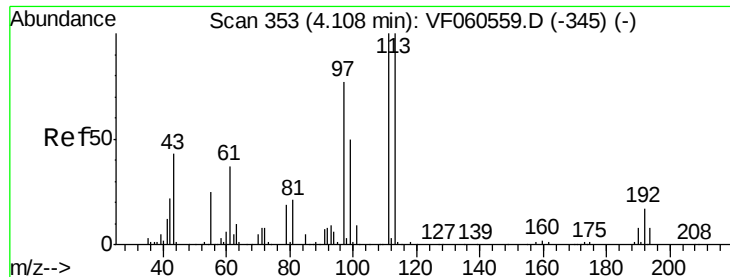
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	19.7	0.0	38.2





#35

Dibromofluoromethane

Concen: 49.199 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

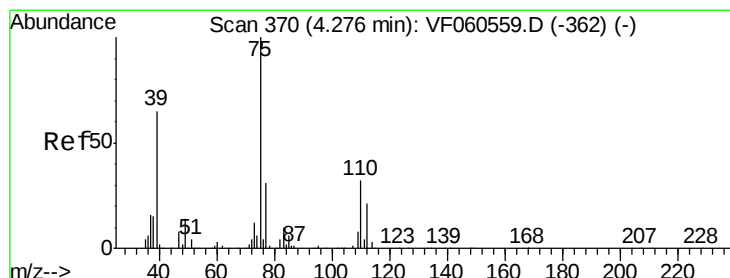
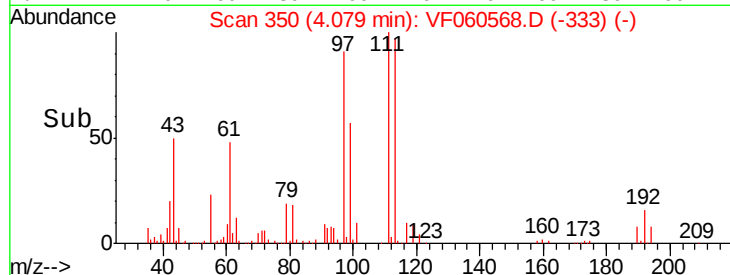
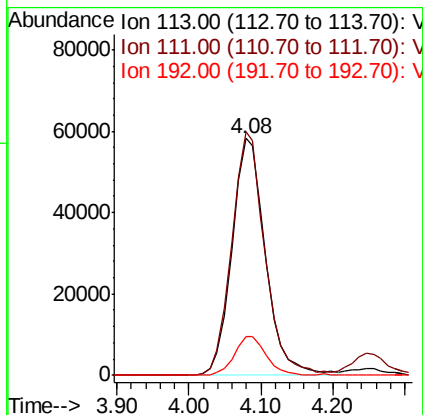
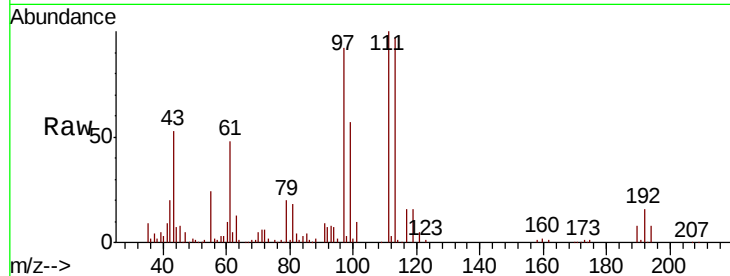
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	188656
Ion Ratio	Lower	Upper	
113	100		
111	102.7	79.9	119.9
192	16.5	13.3	19.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.625 ug/l

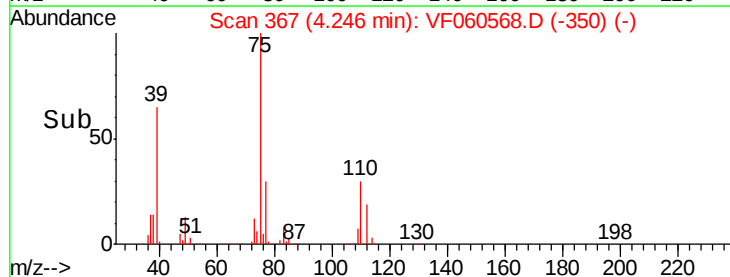
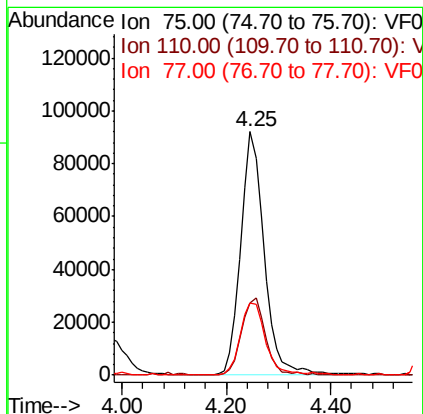
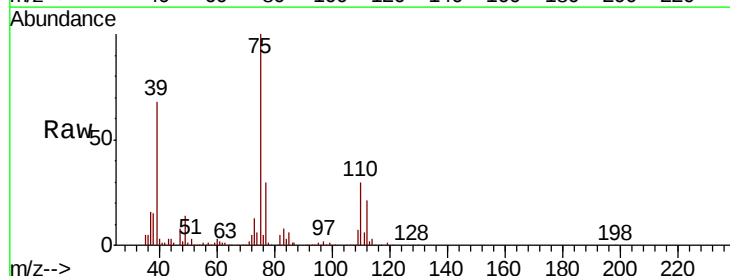
RT: 4.25 min Scan# 367

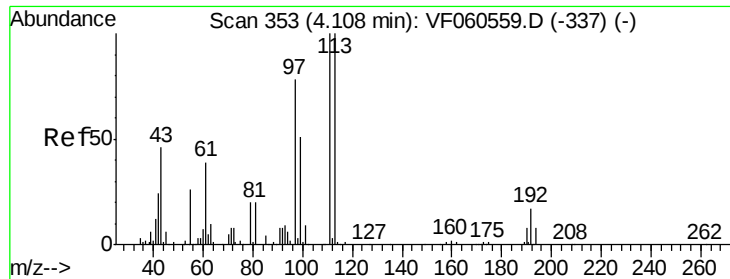
Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	75	Resp:	276654
Ion Ratio	Lower	Upper	
75	100		
110	29.7	16.2	48.6
77	29.8	25.0	37.6





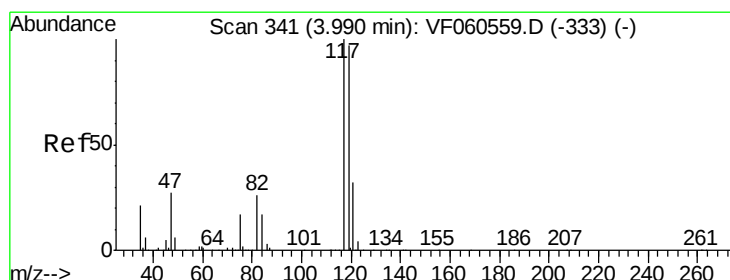
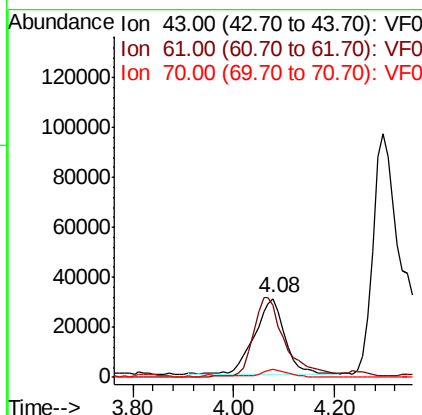
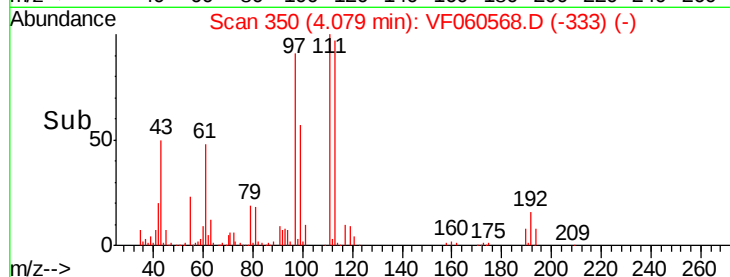
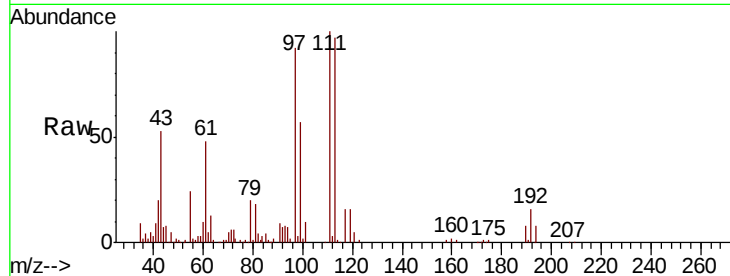
#37
Ethyl Acetate
Concen: 47.500 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	91.3	63.4	95.2
70	10.3	9.3	13.9

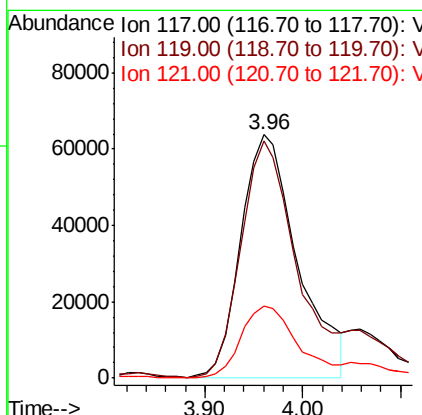
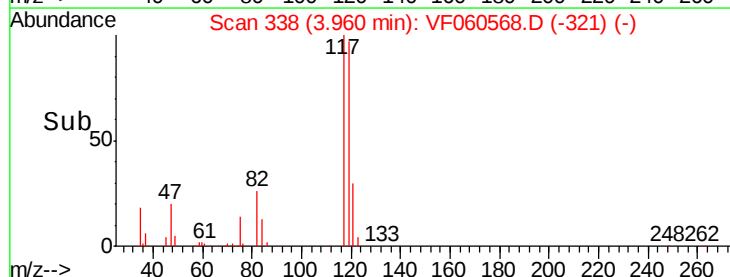
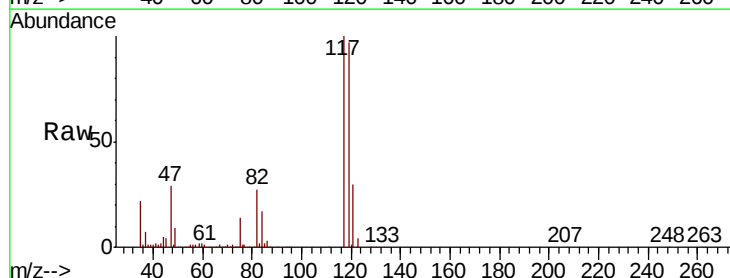
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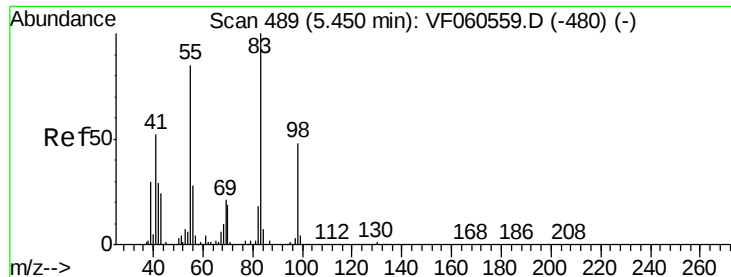
MMDadoda
11/6/2018 12:53:45 PM



#38
Carbon Tetrachloride
Concen: 55.306 ug/l m
RT: 3.96 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.6
121	29.8	25.6	38.4





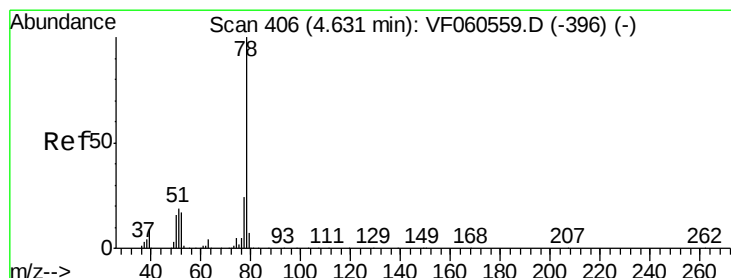
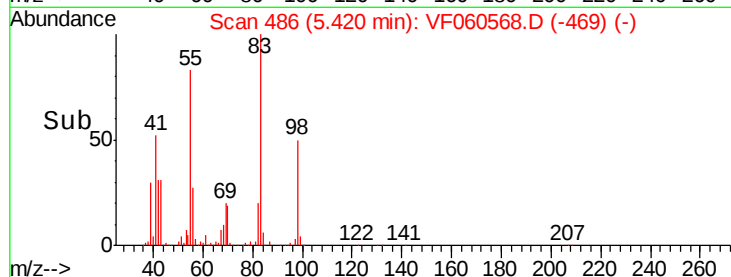
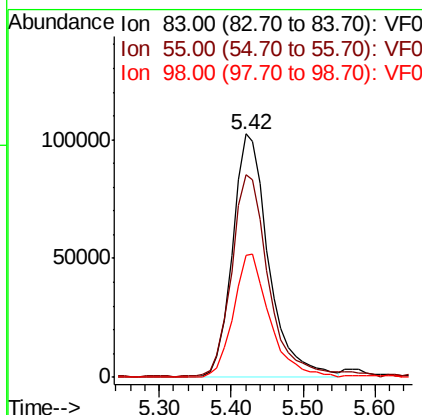
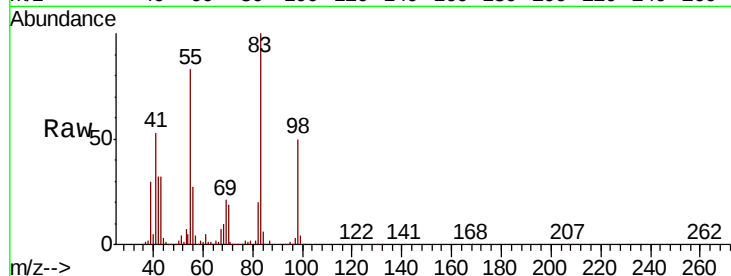
#39
Methvlcvclohexane
Concen: 53.390 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	69.1	103.7
98	50.0	38.6	57.8

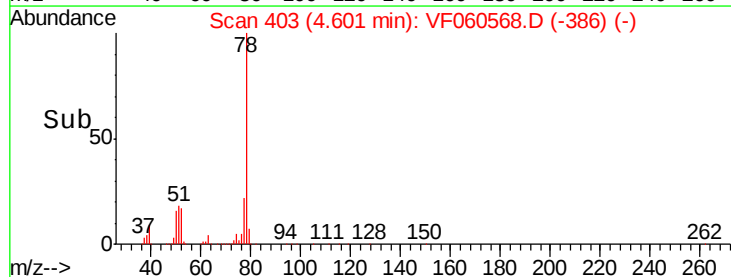
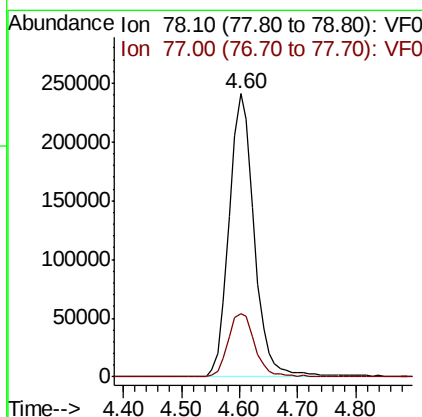
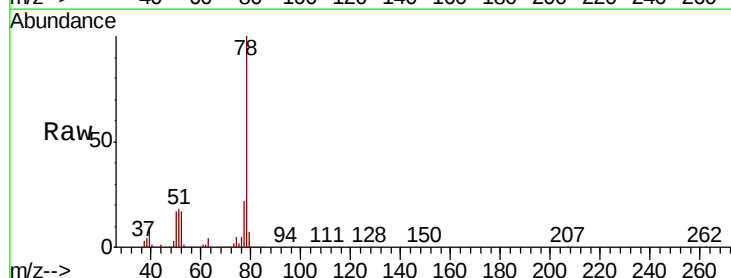
Manual Integrations
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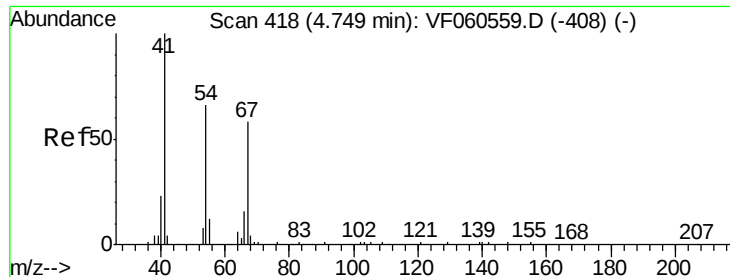
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#40
Benzene
Concen: 54.488 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9





#41

Methacrylonitrile

Concen: 46.515 ug/l

RT: 4.71 min Scan# 414

Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

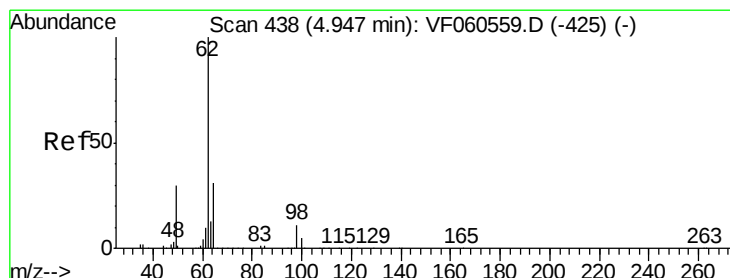
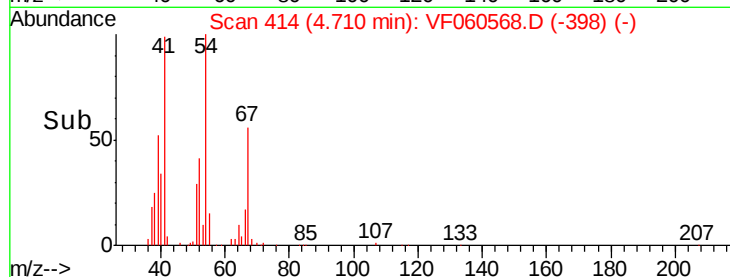
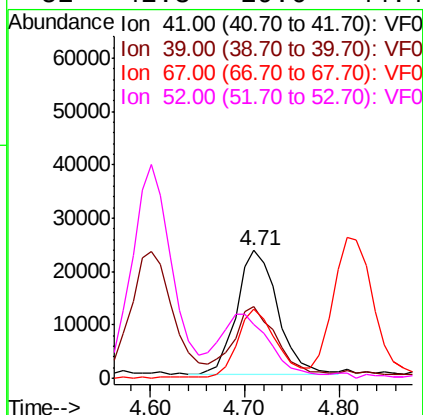
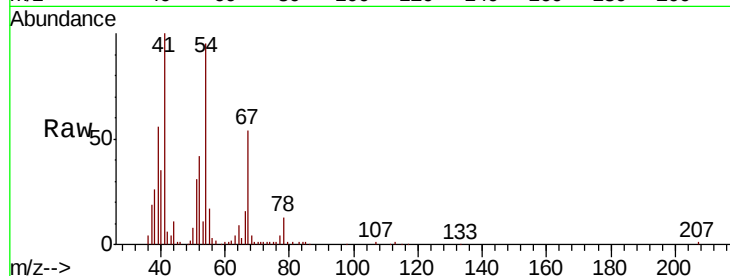
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	45.6	68.4	
67	54.4	45.3	67.9	
52	42.3	29.6	44.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.916 ug/l

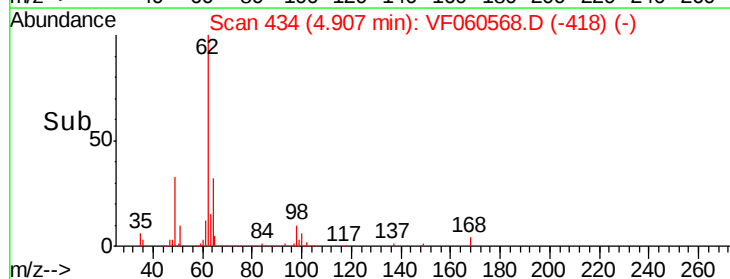
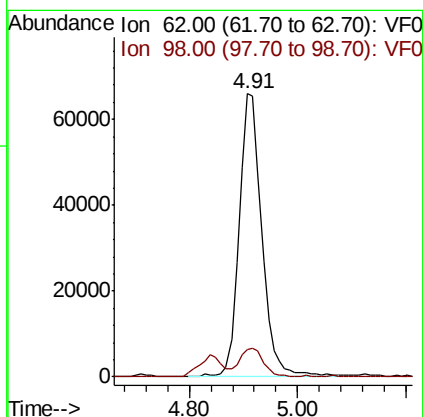
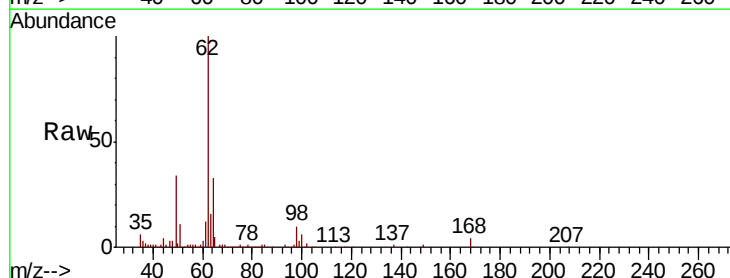
RT: 4.91 min Scan# 434

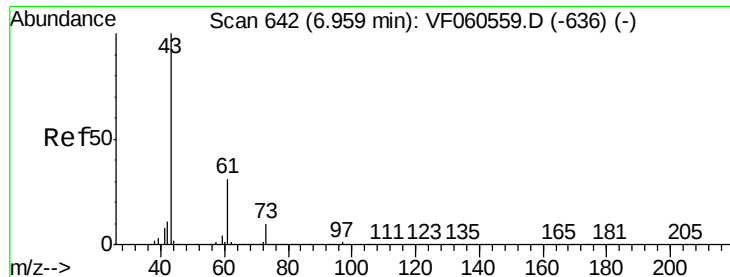
Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	22.4	





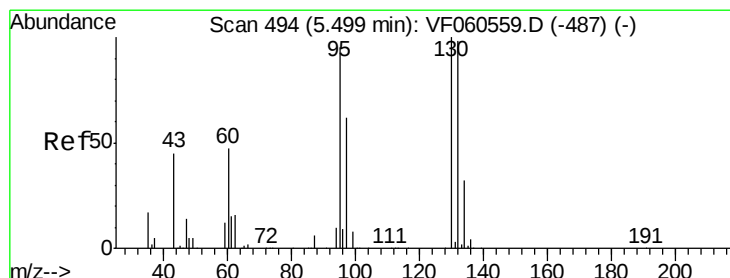
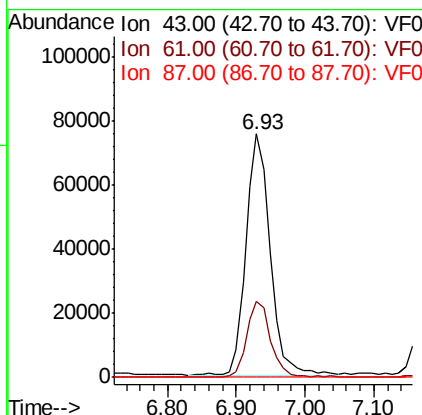
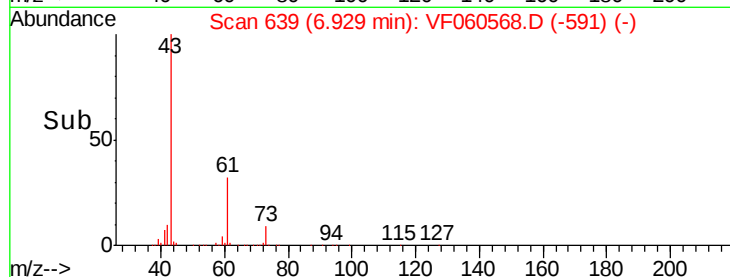
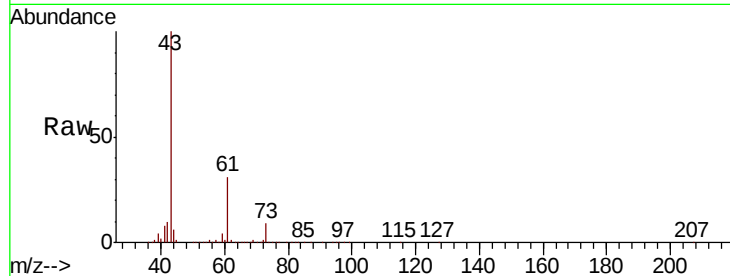
#43
Isopropyl Acetate
Concen: 55.318 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.2	36.2
87	0.2	0.2	0.4

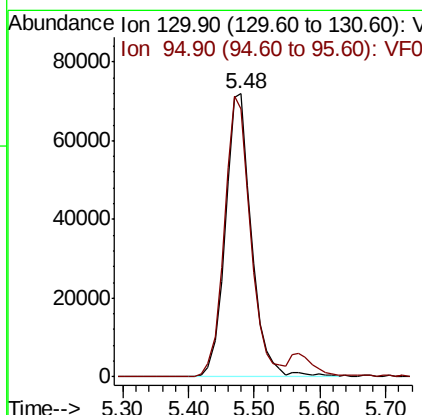
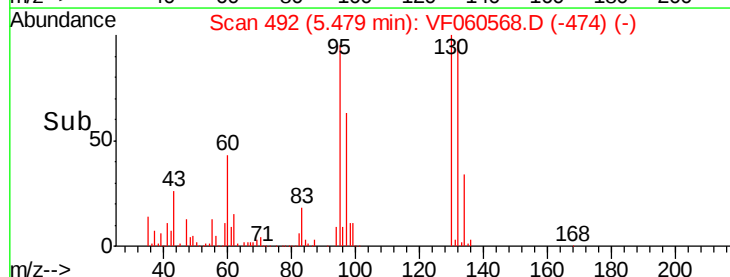
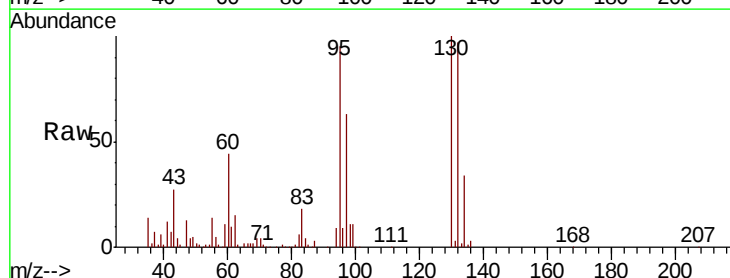
Manual Integrations
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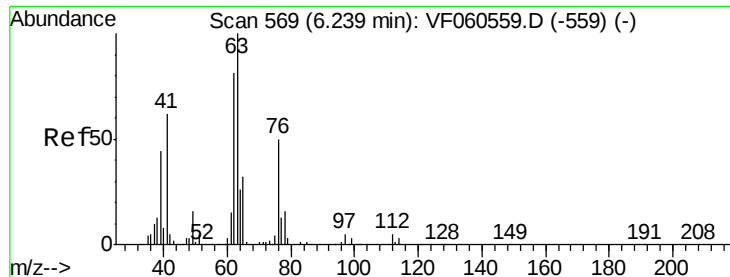
MMDadoda
11/6/2018 12:53:45 PM



#44
Trichloroethene
Concen: 50.039 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.0





#45

1,2-Dichloropropane

Concen: 54.791 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 185883

Ion Ratio Lower Upper

63 100

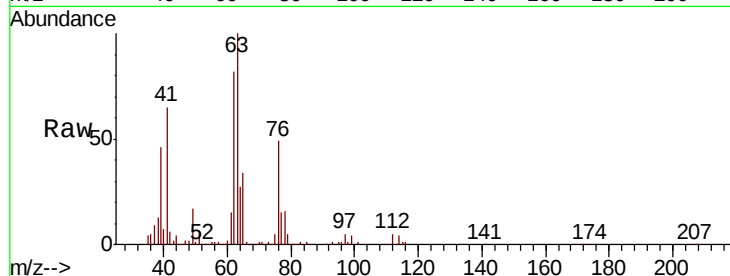
65 33.6 25.4 38.0

Manual Integrations

APPROVED

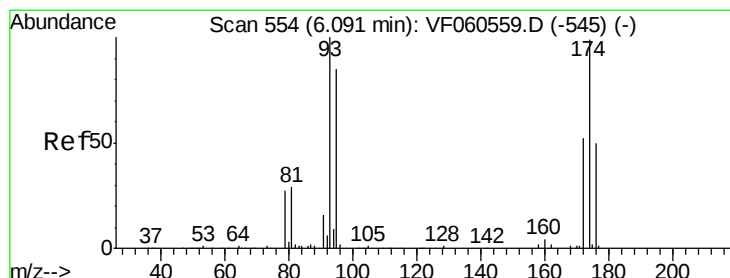
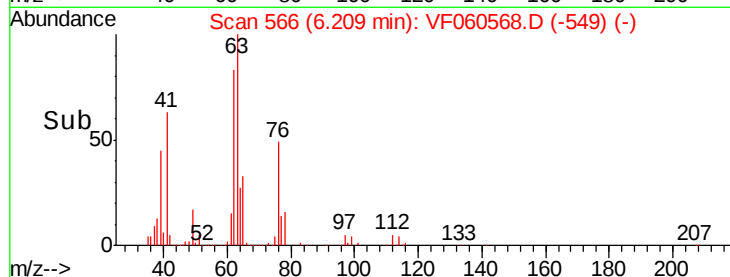
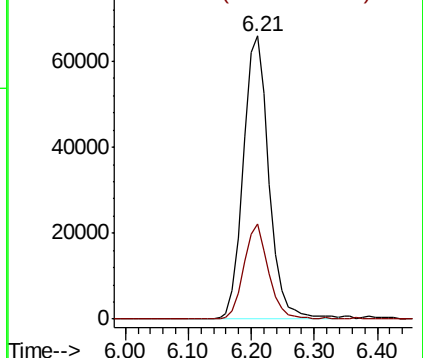
MMDadoda

11/6/2018 12:53:45 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 50.160 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

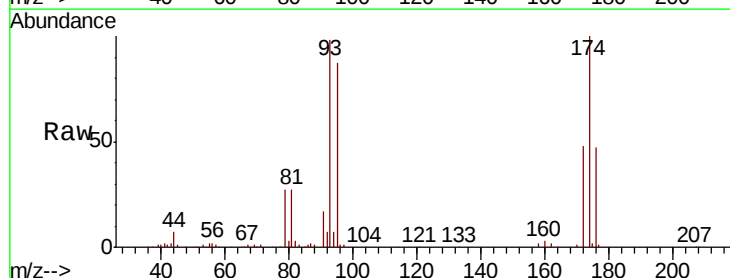
Tgt Ion: 93 Resp: 107958

Ion Ratio Lower Upper

93 100

95 88.7 68.6 102.8

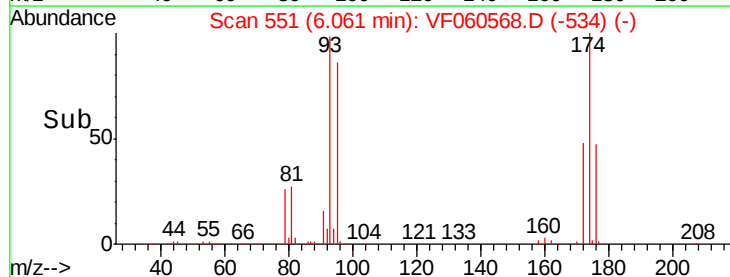
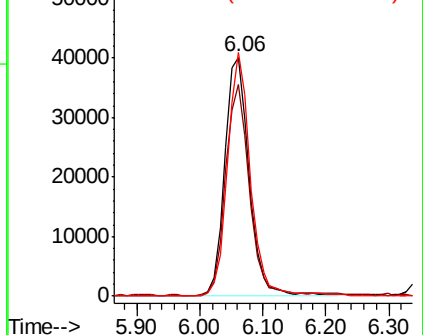
174 102.1 79.0 118.4

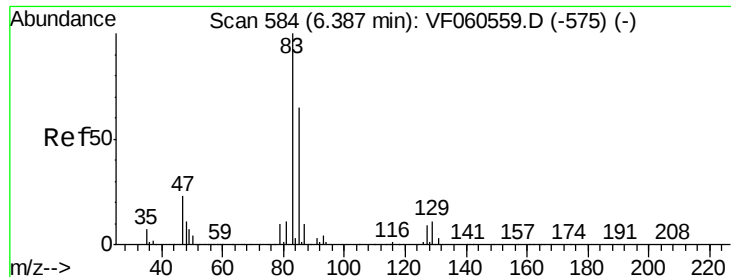


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 52.740 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

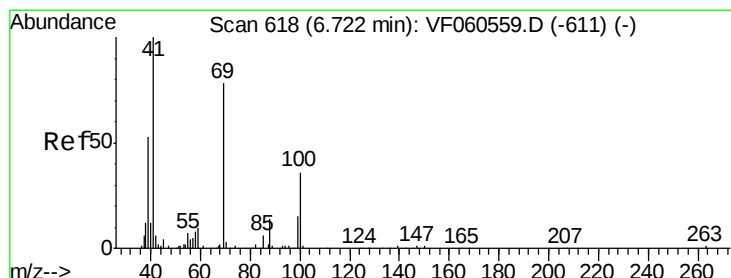
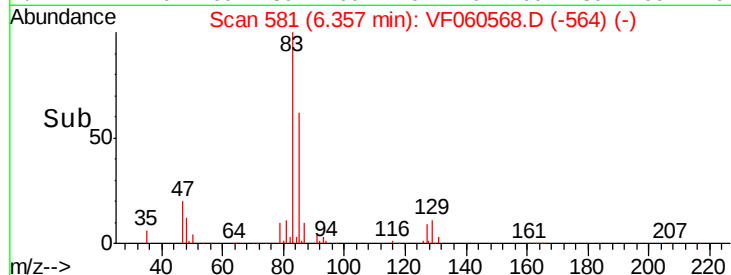
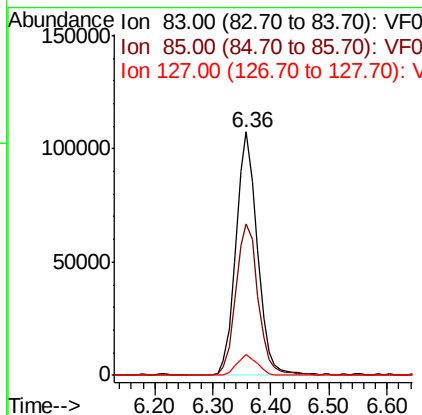
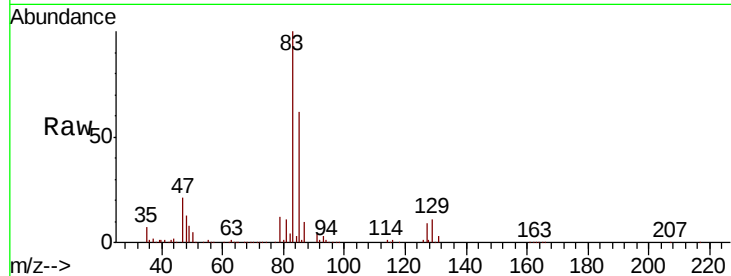
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	273792
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.6
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.202 ug/l

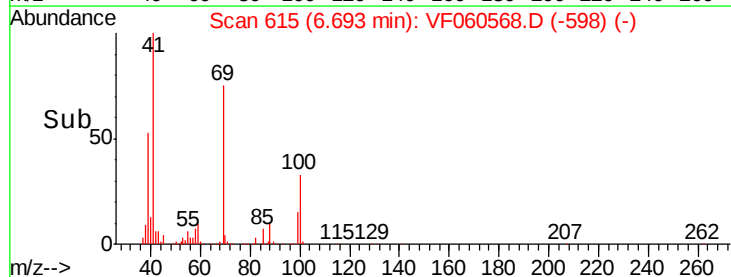
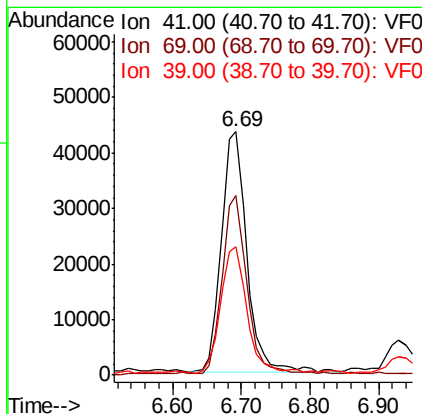
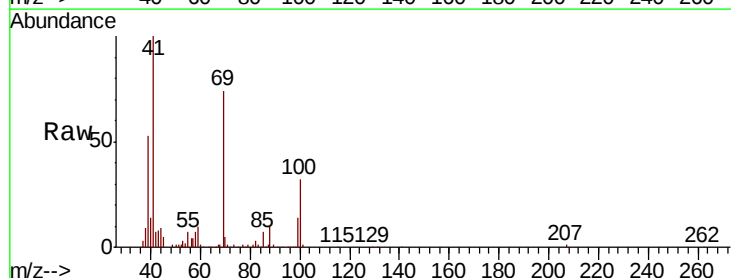
RT: 6.69 min Scan# 615

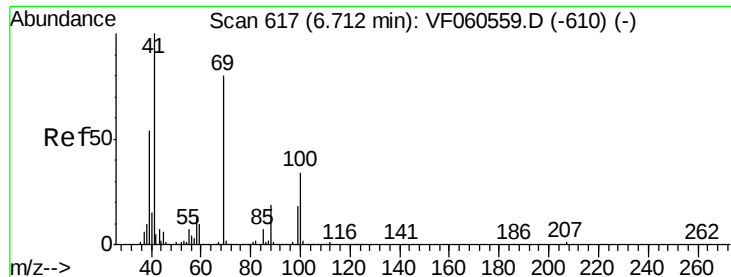
Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	41	Resp:	110953
Ion	Ratio	Lower	Upper
41	100		
69	74.0	61.1	91.7
39	52.7	43.0	64.6





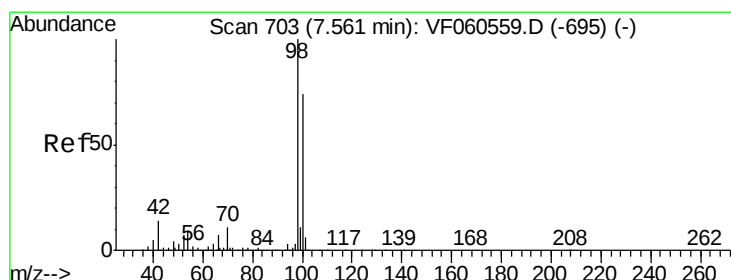
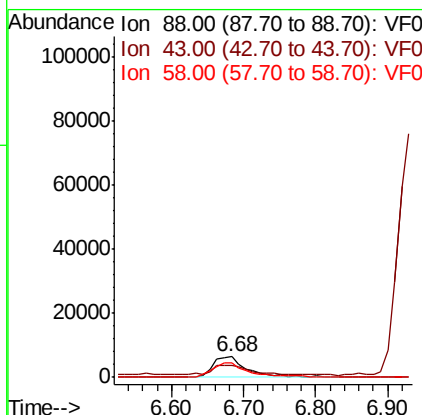
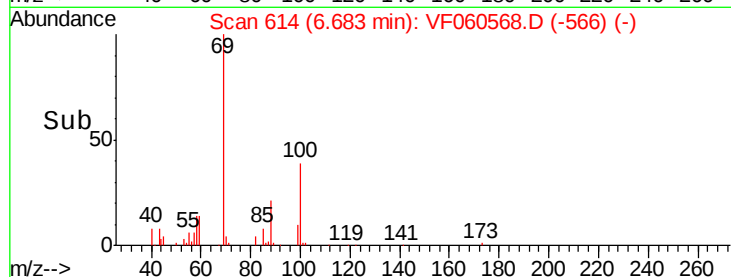
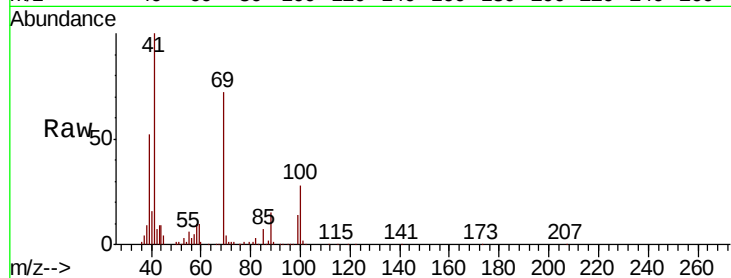
#49
1,4-Dioxane
Concen: 980.738 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.6	61.2	91.8#
58	68.8	56.9	85.3

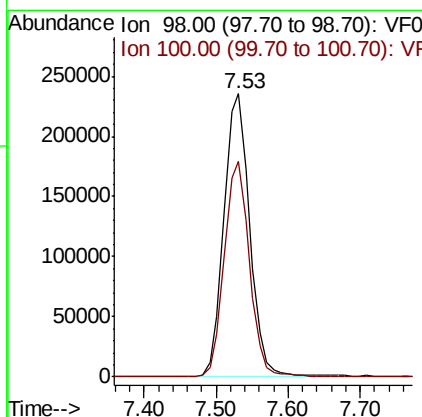
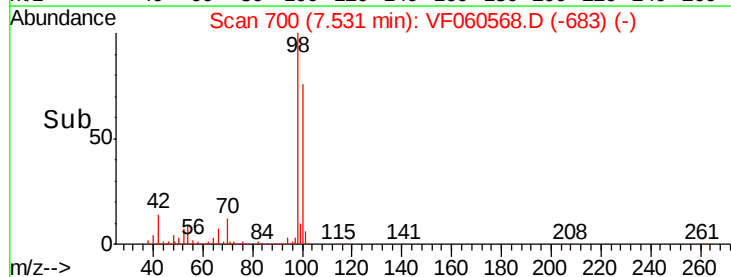
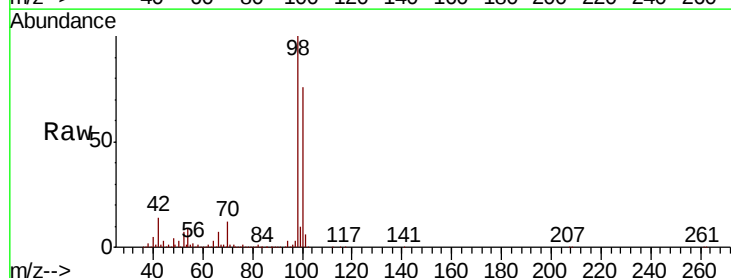
Manual Integrations
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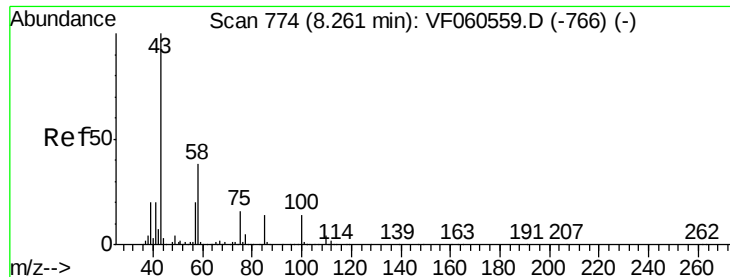
MMDadoda
11/6/2018 12:53:45 PM



#50
Toluene-d8
Concen: 51.644 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	76.0	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 260.451 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 581176

Ion Ratio Lower Upper

43 100

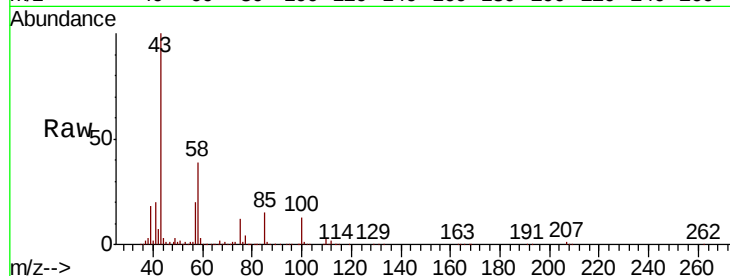
58 39.2 30.1 45.1

Manual Integrations

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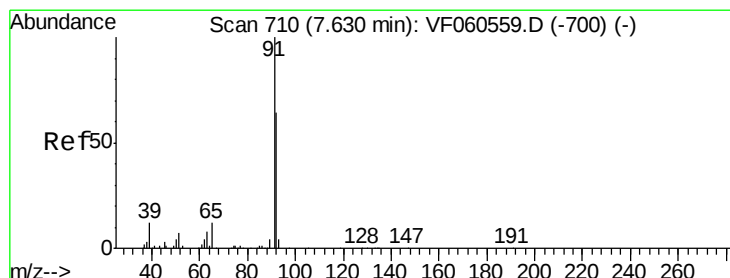
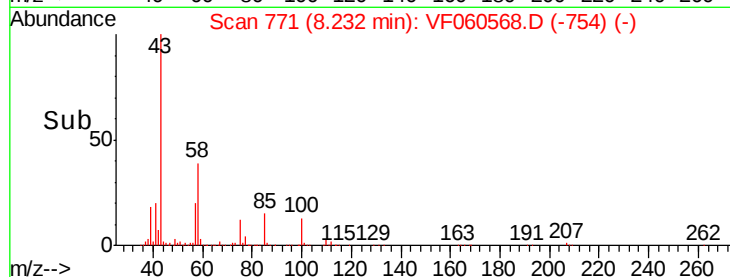
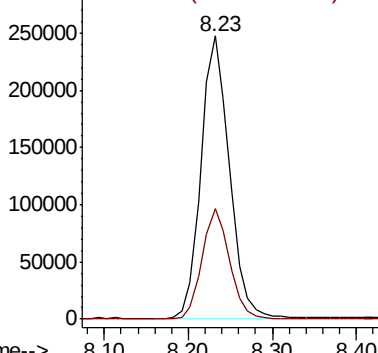
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.348 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF060568.D

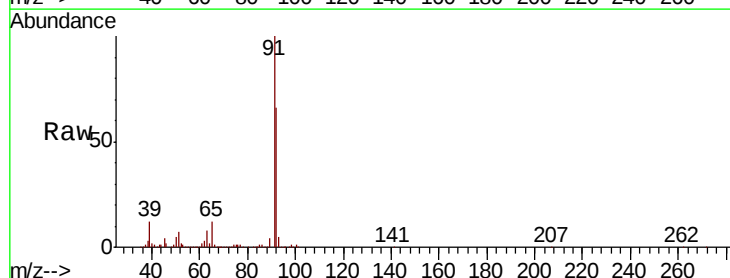
Acq: 5 Nov 2018 11:38

Tgt Ion: 92 Resp: 460977

Ion Ratio Lower Upper

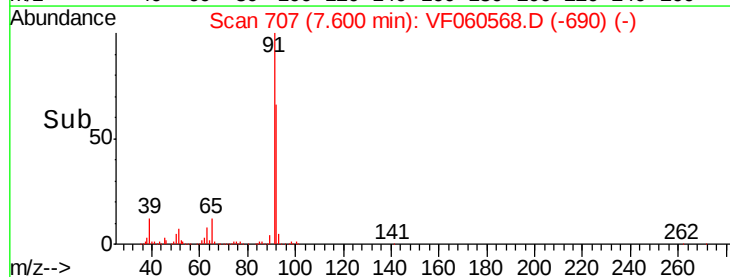
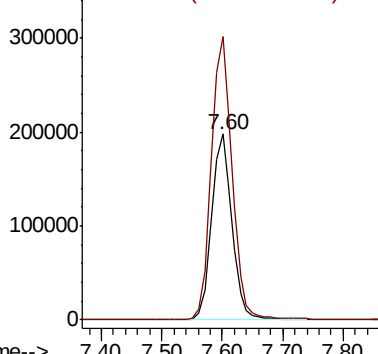
92 100

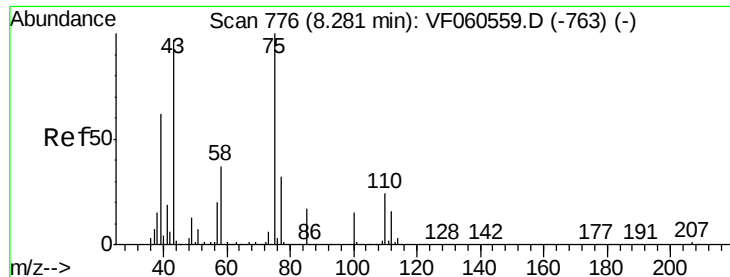
91 152.5 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.894 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tot Ion: 75 Resp: 225117

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

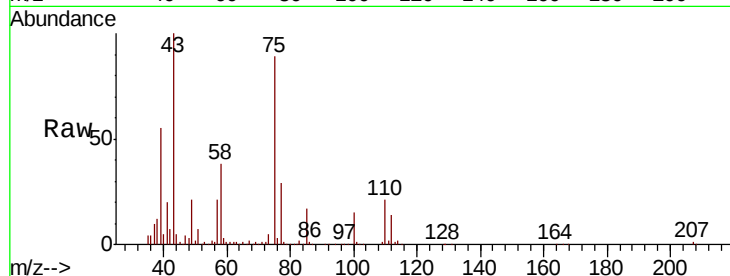
VSTDCCC050

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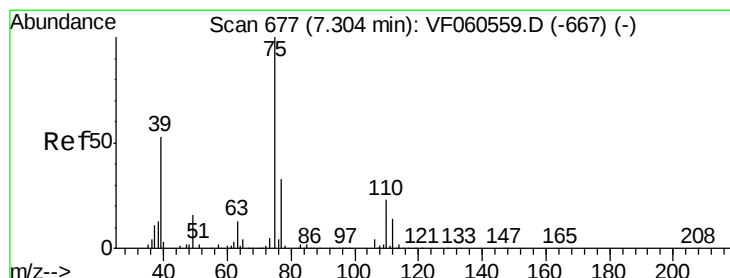
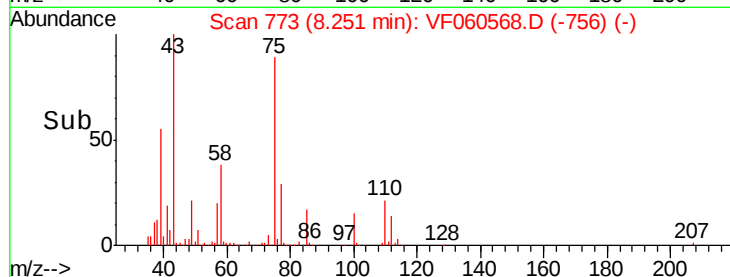
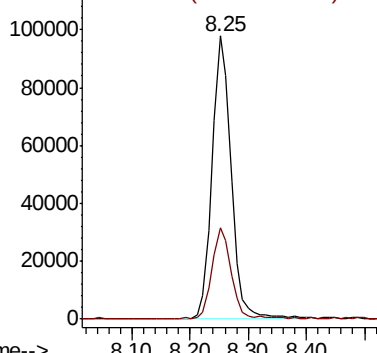
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 55.478 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

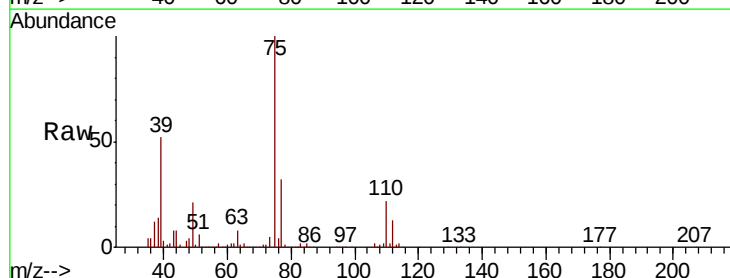
Tgt Ion: 75 Resp: 316265

Ion Ratio Lower Upper

75 100

77 31.9 26.7 40.1

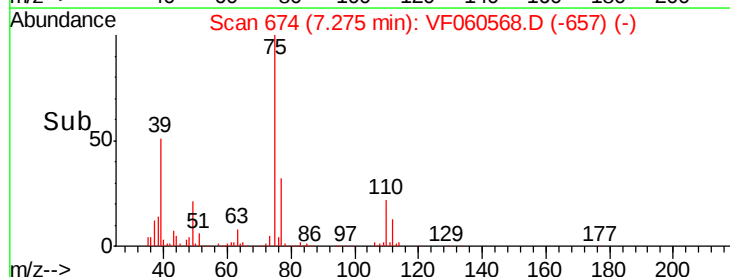
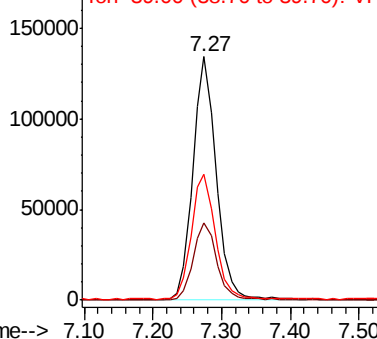
39 51.7 43.0 64.4

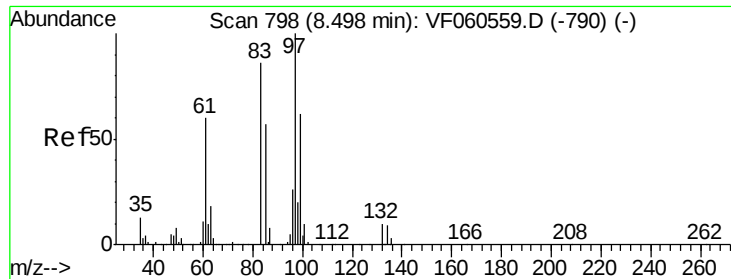


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 53.501 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

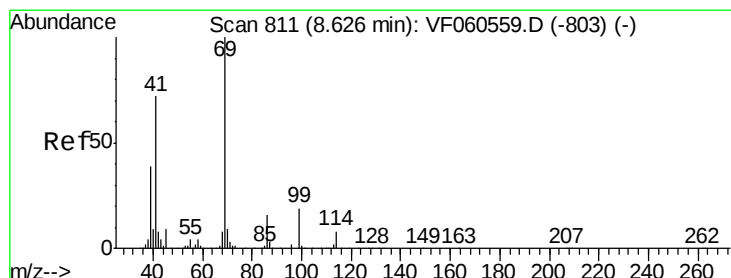
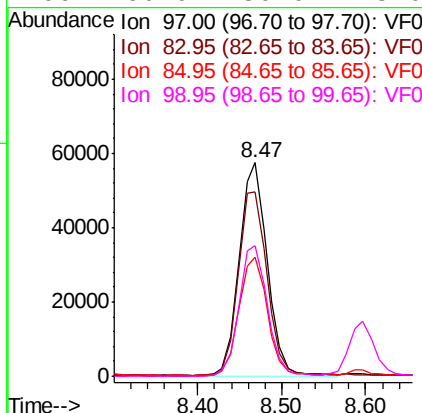
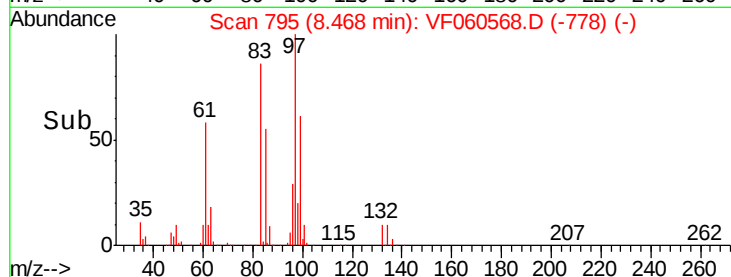
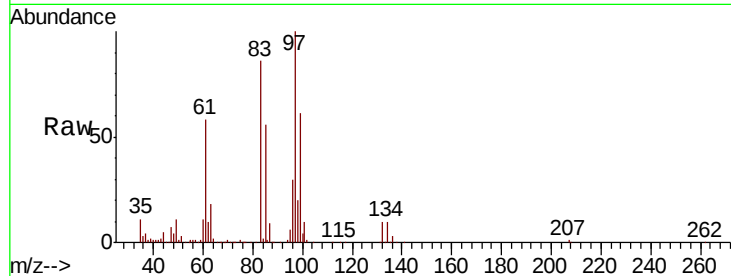
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		134527		
83	86.3	69.4	104.0		
85	56.0	46.6	69.8		
99	60.9	50.0	75.0		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.967 ug/l

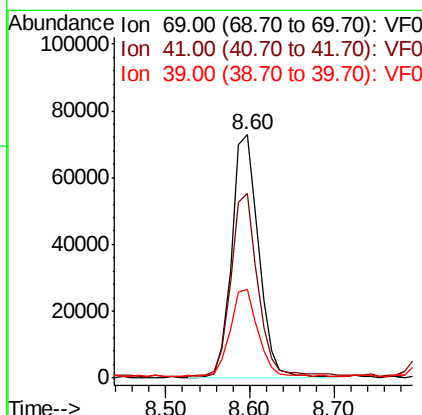
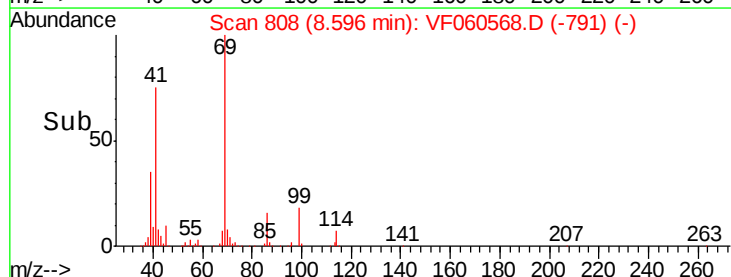
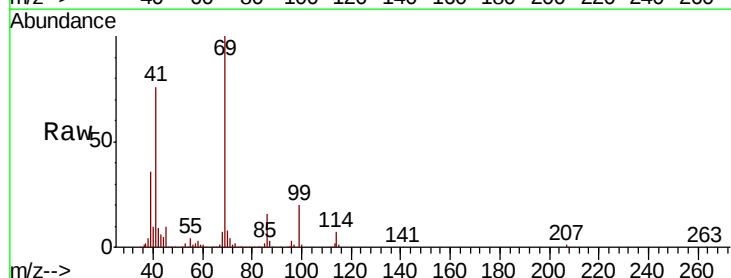
RT: 8.60 min Scan# 808

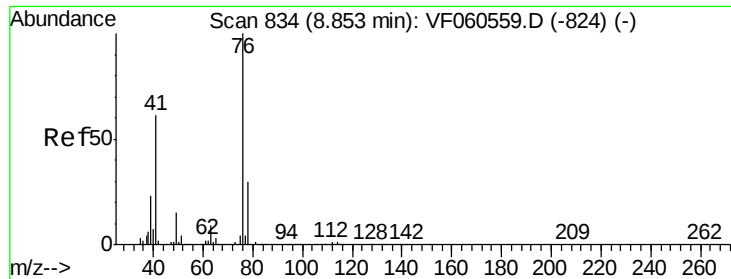
Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		161652		
41	76.0	59.2	88.8		
39	36.2	32.3	48.5		





#57

1,3-Dichloropropane

Concen: 54.315 ug/l

RT: 8.82 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 239642

Ion Ratio Lower Upper

76 100

78 32.8

24.2

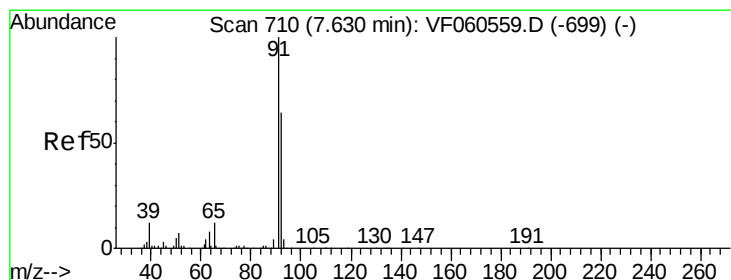
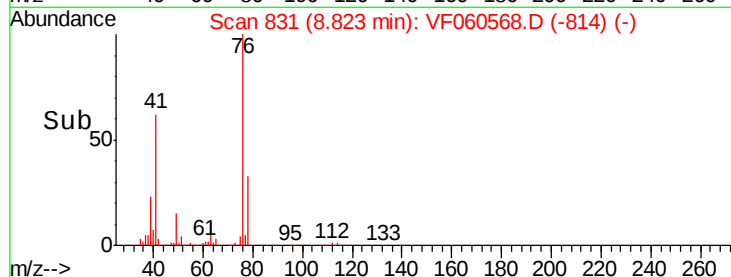
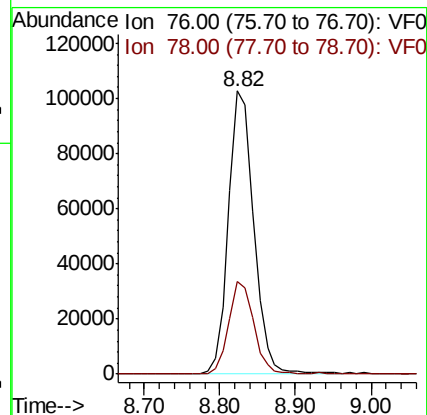
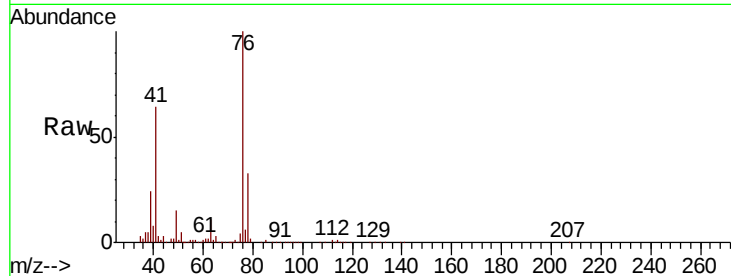
36.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 299.978 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion: 63 Resp: 61213

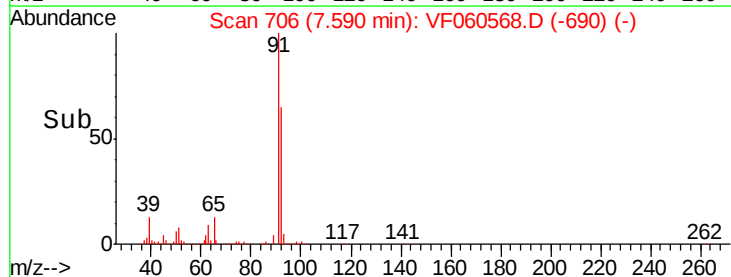
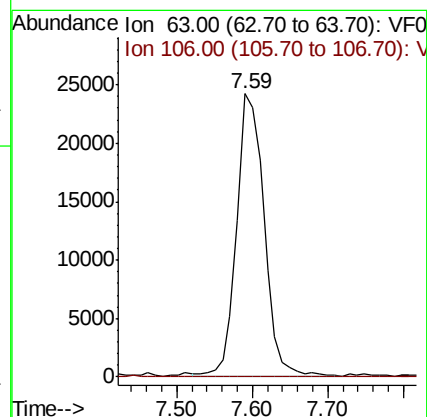
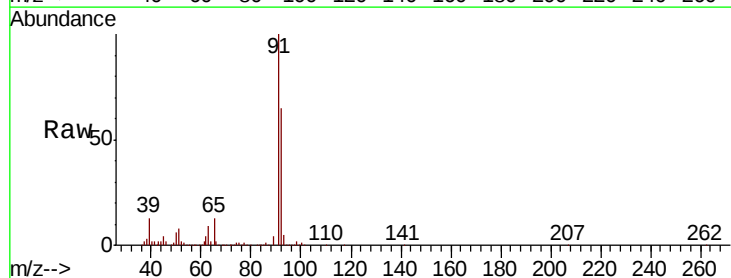
Ion Ratio Lower Upper

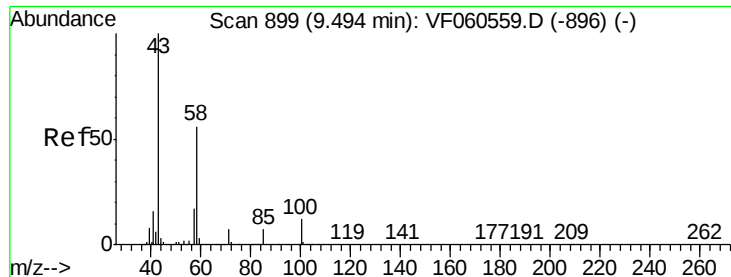
63 100

106 0.0

0.0

0.0





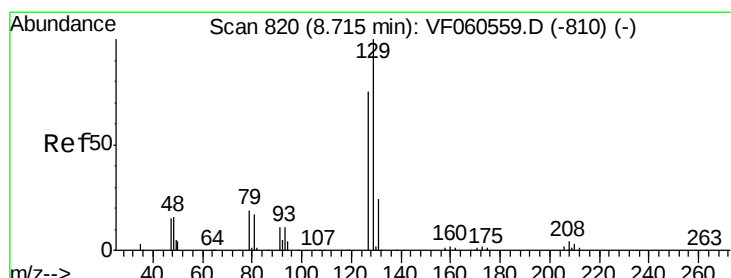
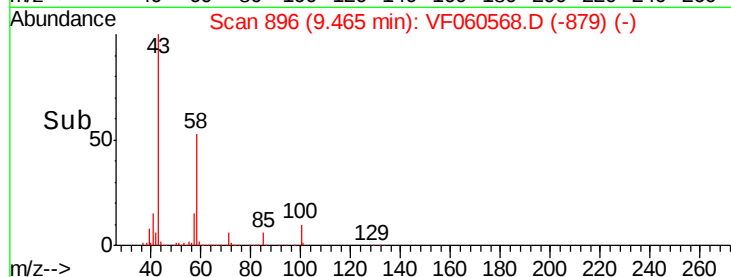
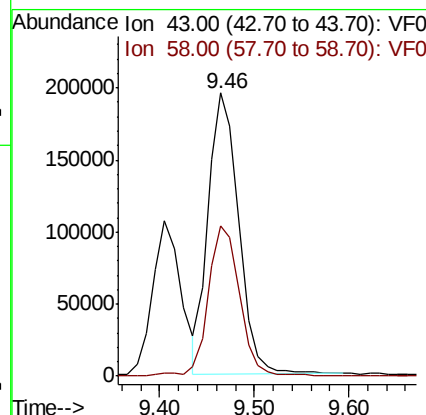
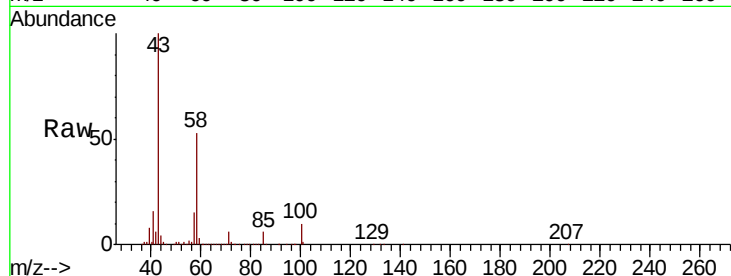
#59
2-Hexanone
Concen: 300.600 ug/l
RT: 9.46 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 436492
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.3

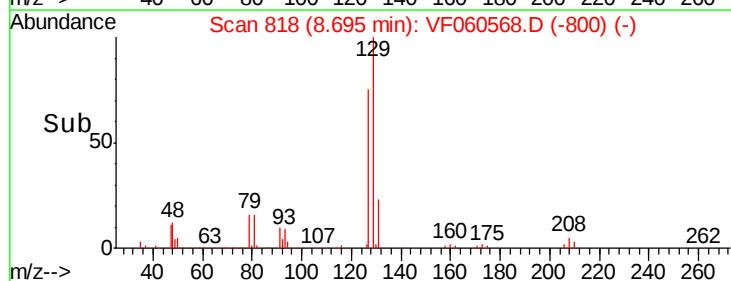
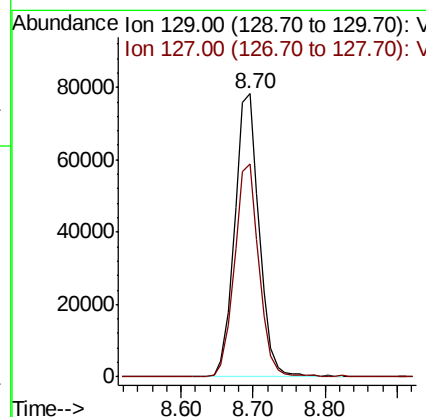
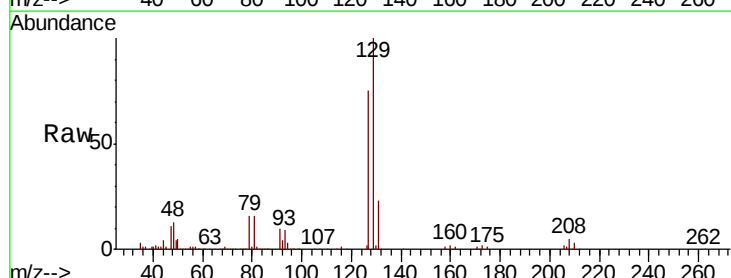
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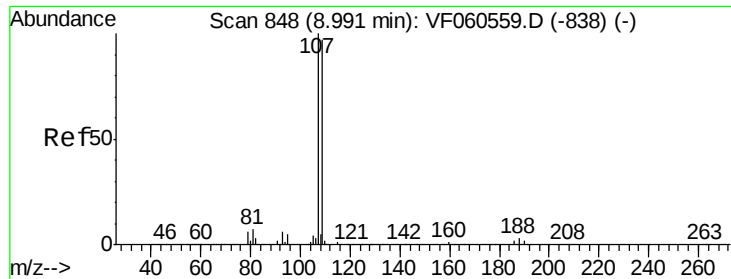
MMDadoda
11/6/2018 12:53:45 PM



#60
Dibromochloromethane
Concen: 52.844 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion: 129 Resp: 185833
Ion Ratio Lower Upper
129 100
127 75.3 37.8 113.3





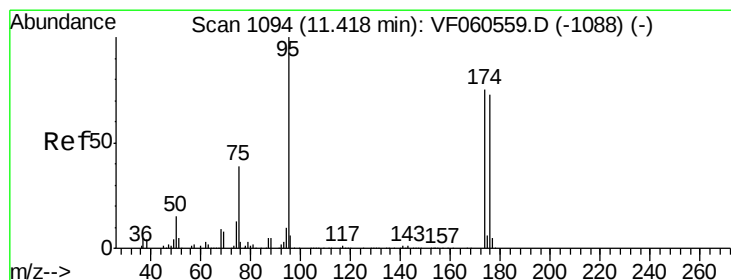
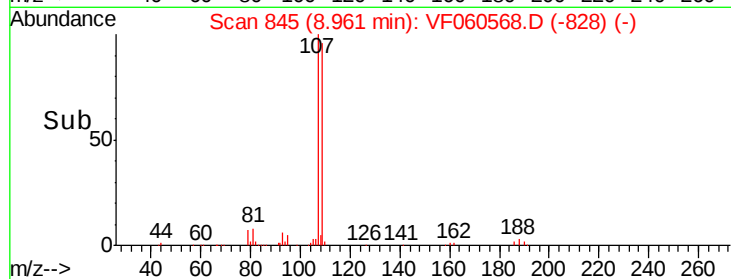
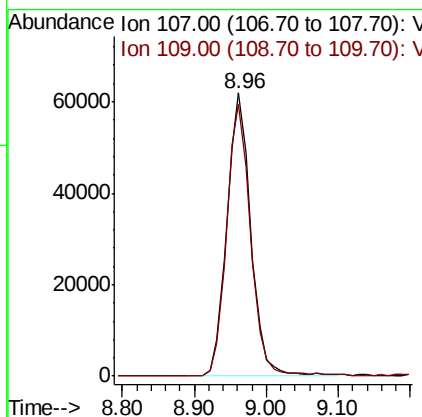
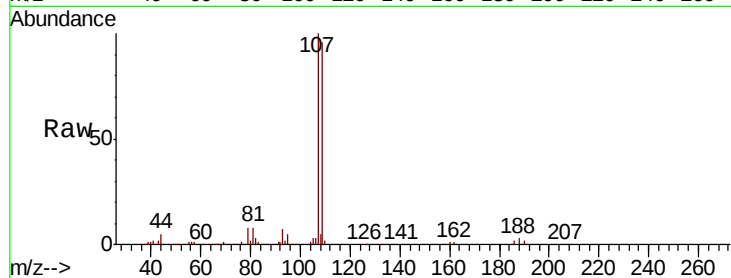
#61
 1,2-Dibromoethane
 Concen: 54.157 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.03 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	77.5	116.3

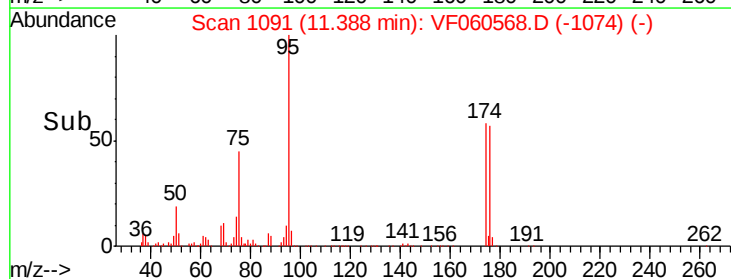
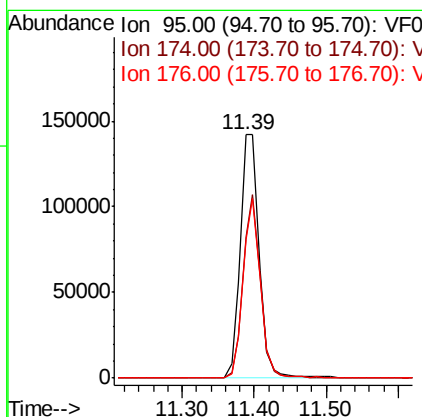
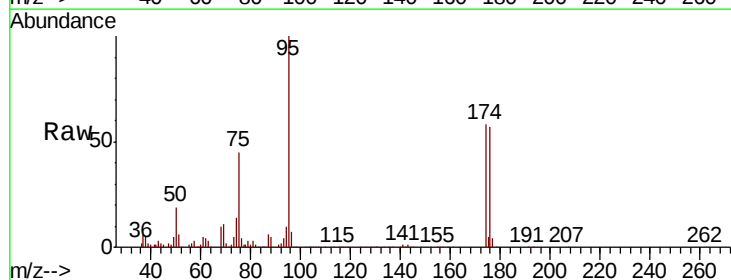
Manual Integrations
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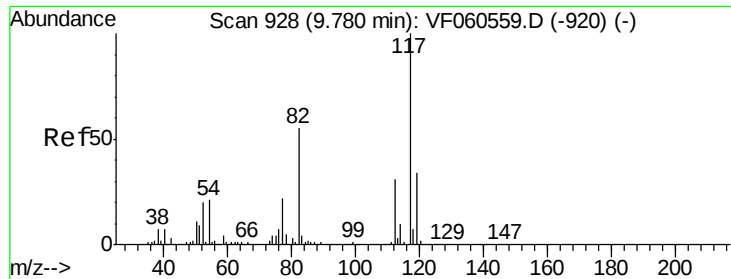
MMDadoda
 11/6/2018 12:53:45 PM



#62
 4-Bromofluorobenzene
 Concen: 52.660 ug/l
 RT: 11.39 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	58.3	0.0	149.0
176	56.8	0.0	145.6





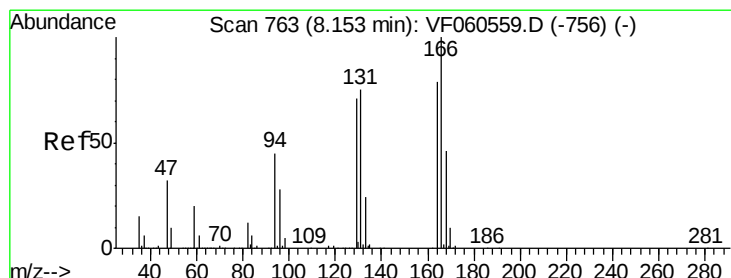
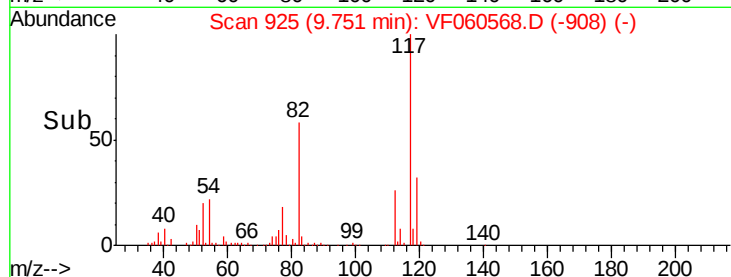
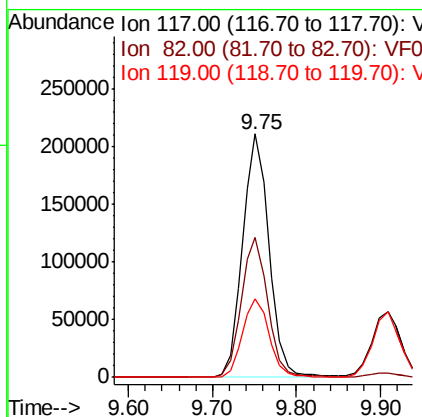
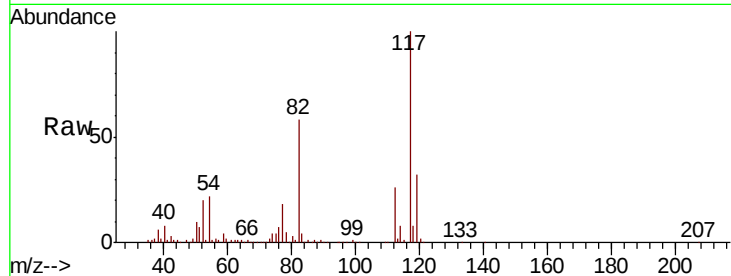
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	43.9	65.9
119	32.0	27.4	41.0

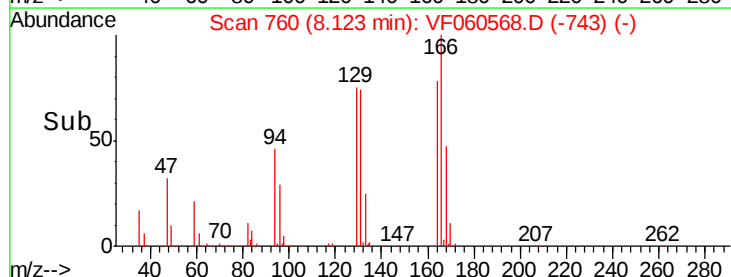
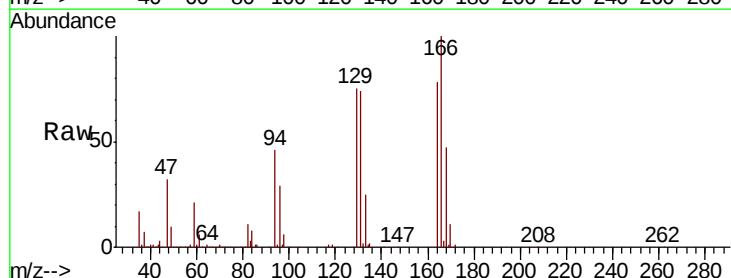
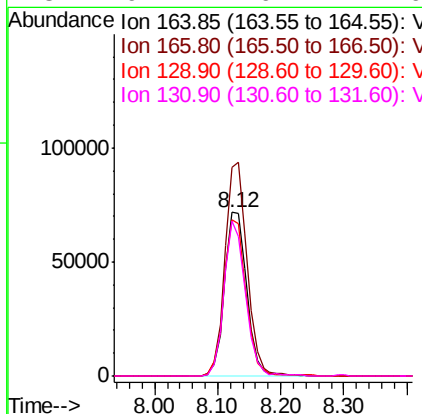
Manual Integrations
APPROVED

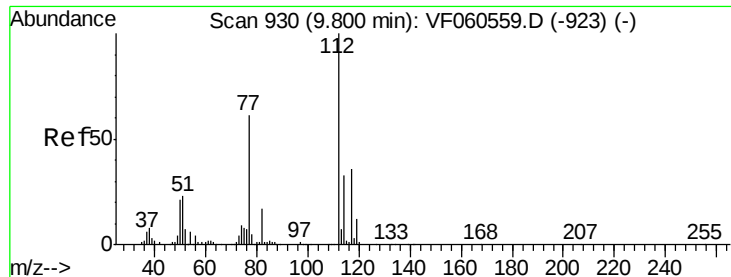
MMDadoda
11/6/2018 12:53:45 PM



#64
Tetrachloroethene
Concen: 48.301 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.5	152.3
129	95.2	72.5	108.7
131	94.4	76.4	114.6





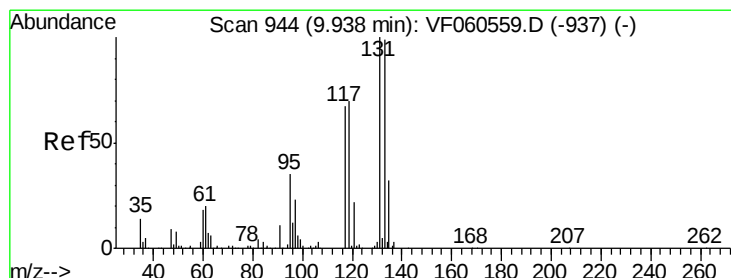
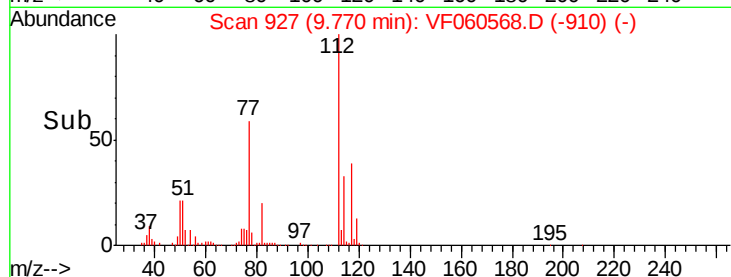
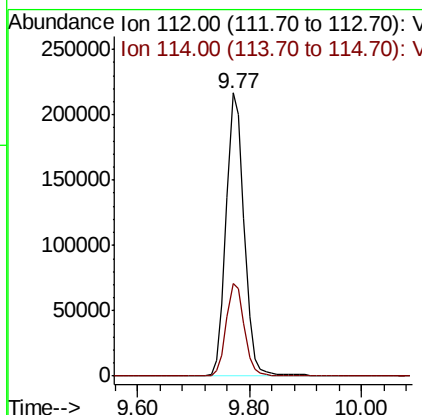
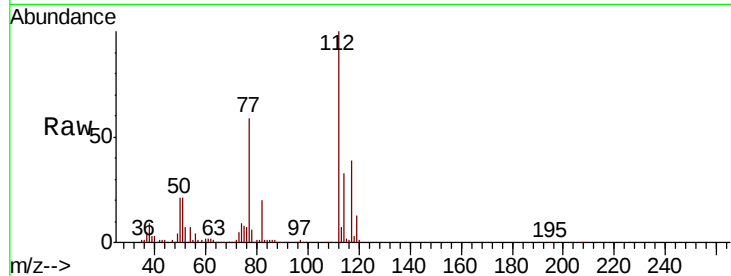
#65
Chlorobenzene
Concen: 51.508 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.6	40.0

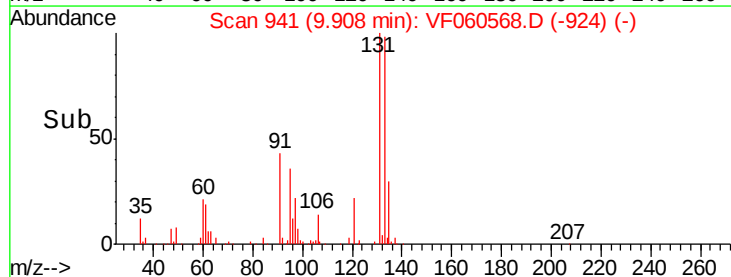
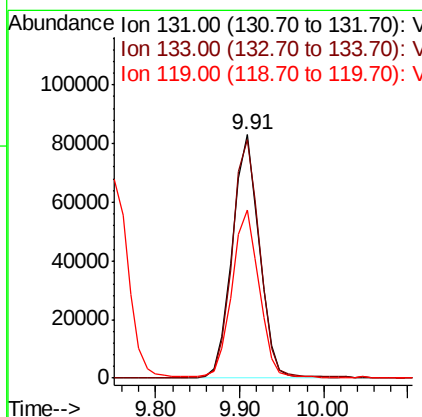
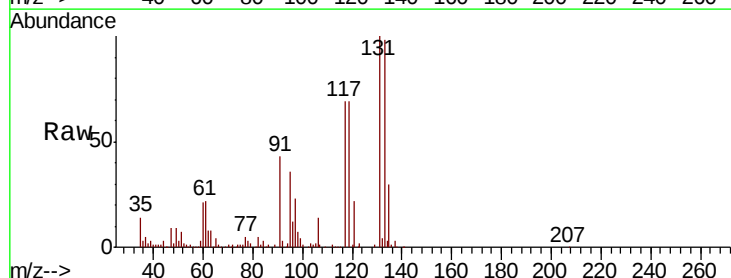
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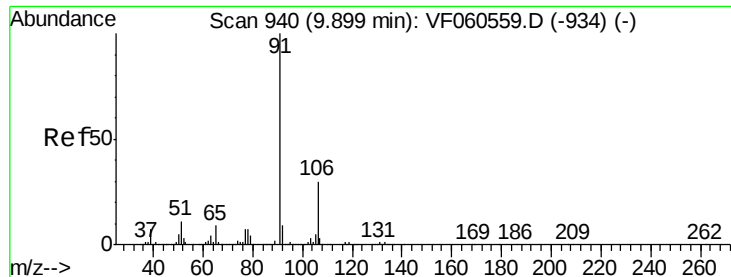
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.567 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.2	49.5	148.7
119	68.8	35.2	105.6





#67

Ethyl Benzene

Concen: 51.026 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 878086

Ion Ratio Lower Upper

91 100

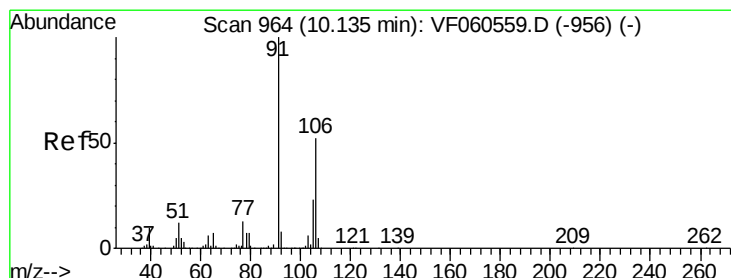
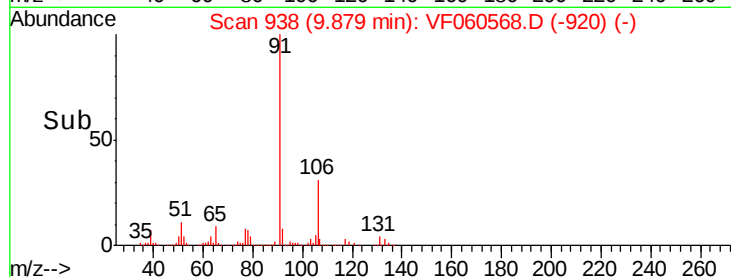
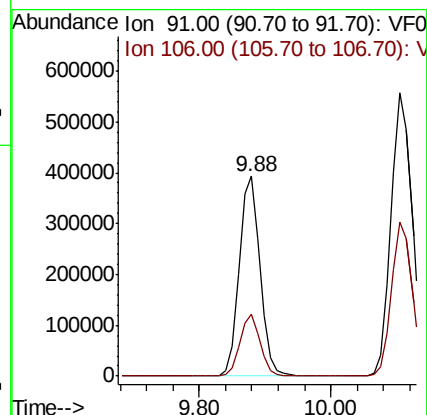
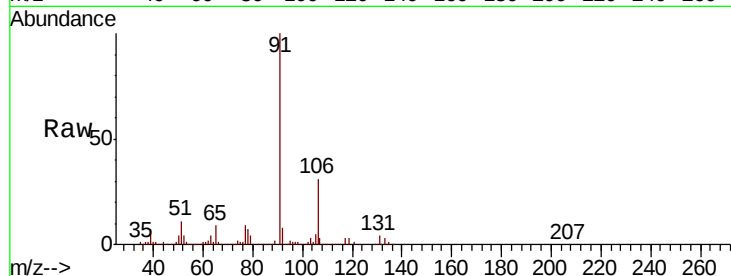
106 31.0 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.008 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF060568.D

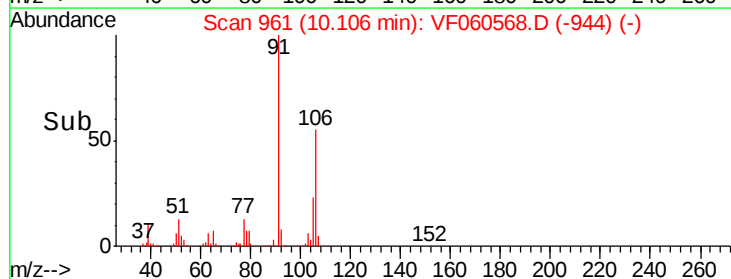
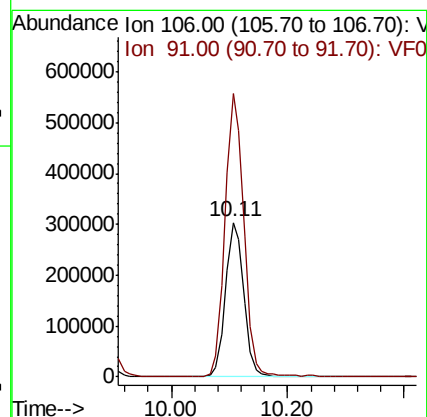
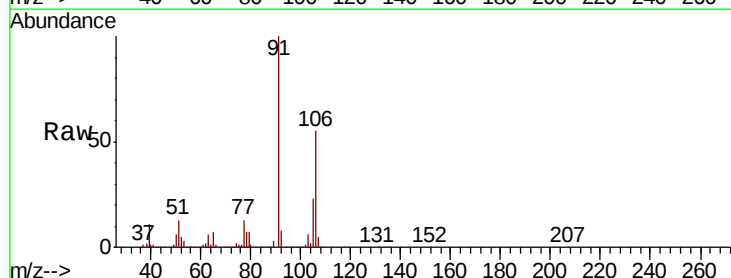
Acq: 5 Nov 2018 11:38

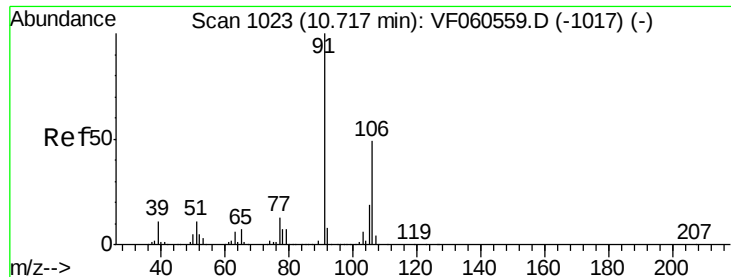
Tgt Ion: 106 Resp: 661248

Ion Ratio Lower Upper

106 100

91 183.3 153.9 230.9





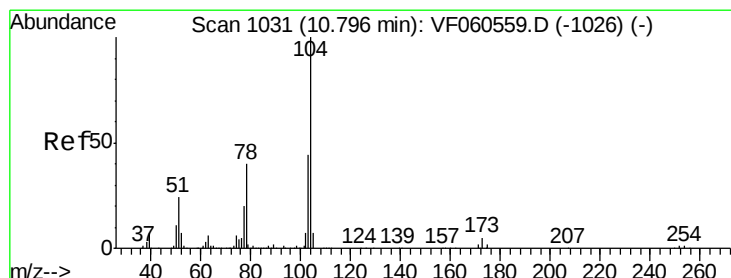
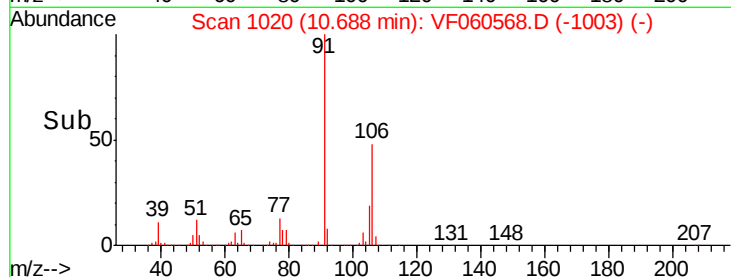
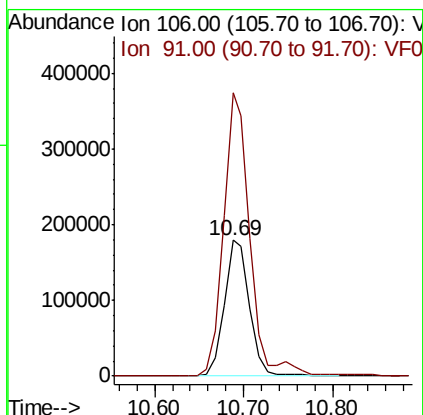
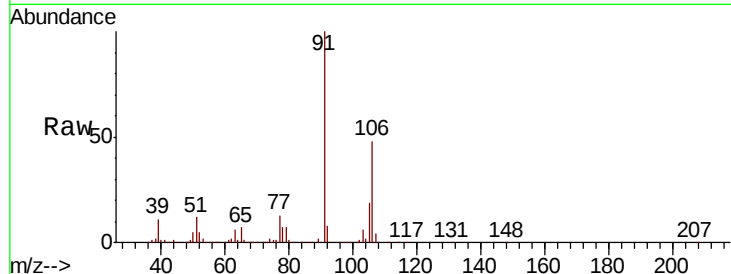
#69
o-Xylene
Concen: 50.515 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		357554		
91	208.7	101.8	305.3		

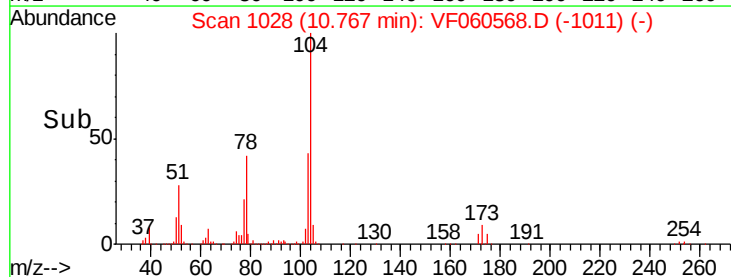
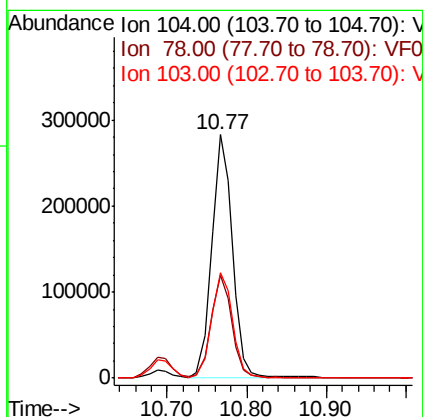
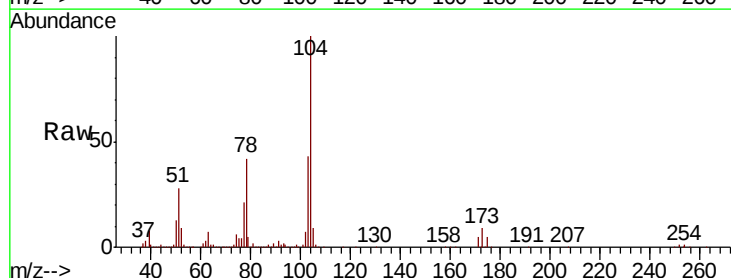
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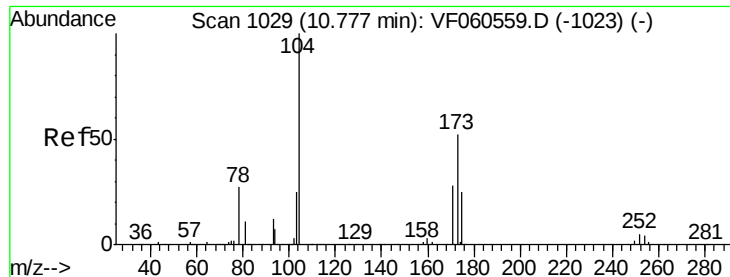
MMDadoda
11/6/2018 12:53:45 PM



#70
Styrene
Concen: 50.394 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		516772		
78	42.4	32.6	49.0		
103	43.3	35.2	52.8		





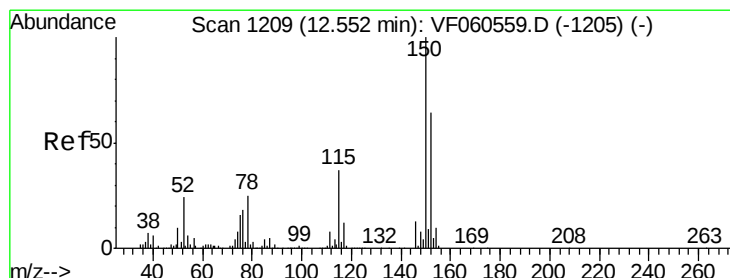
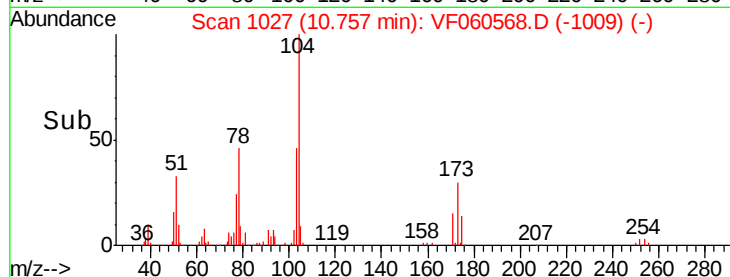
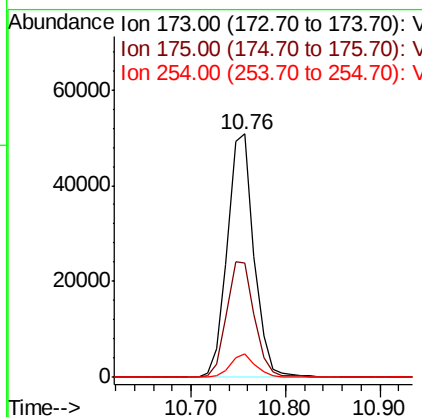
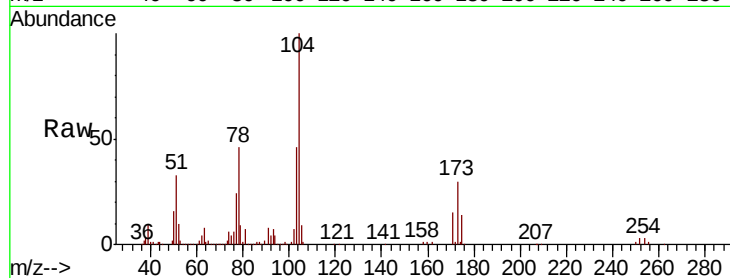
#71
Bromoform
Concen: 48.134 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.3	72.9
254	9.5	6.7	10.1

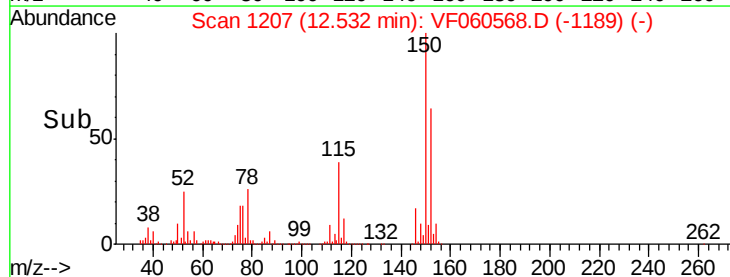
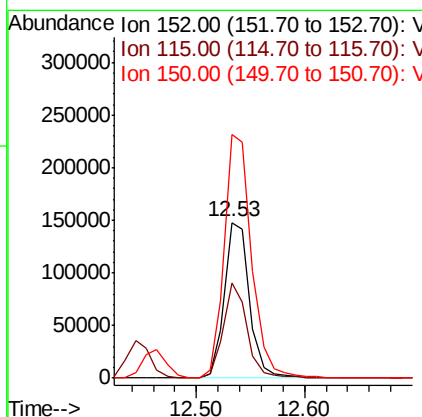
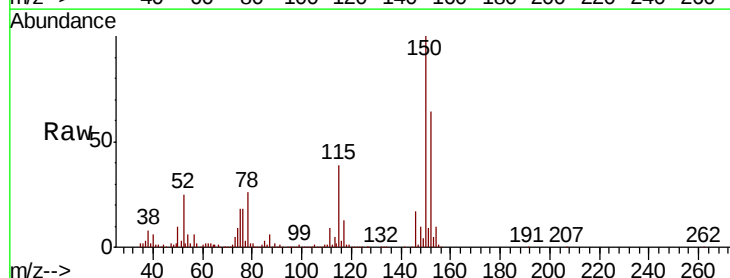
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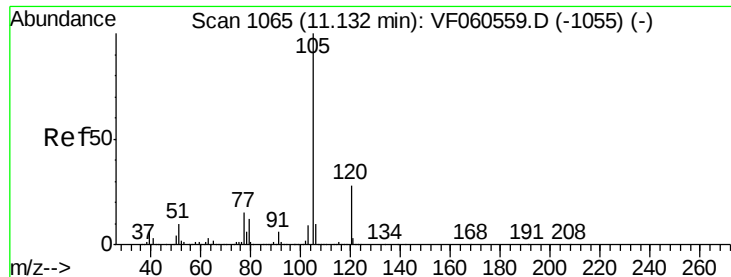
MMDadoda
11/6/2018 12:53:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.6	88.8
150	156.7	0.0	315.6





#73

Isopropylbenzene

Concen: 51.855 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 971510

Ion Ratio Lower Upper

105 100

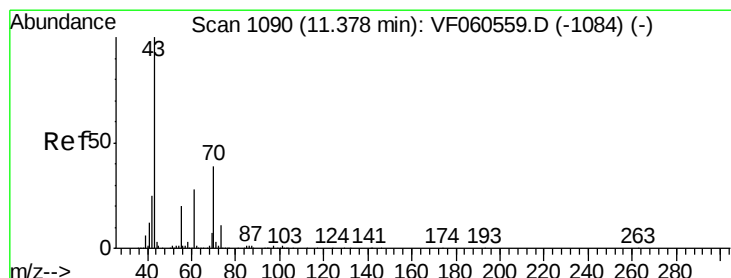
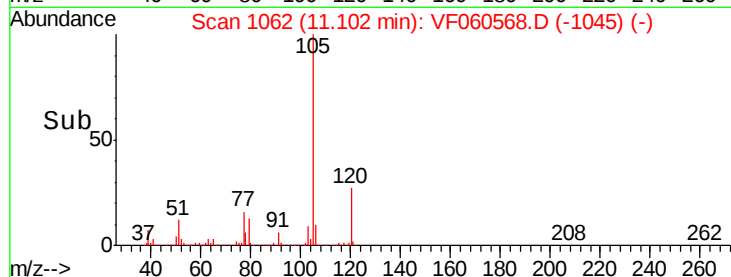
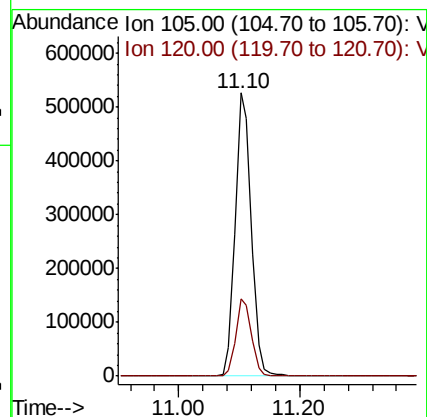
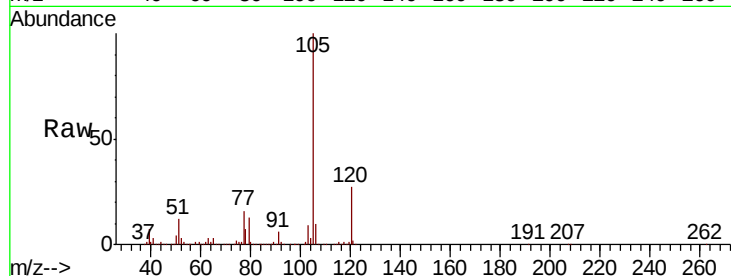
120 27.1 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.425 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion: 43 Resp: 252519

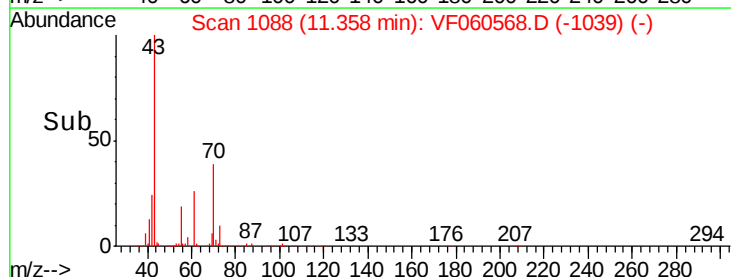
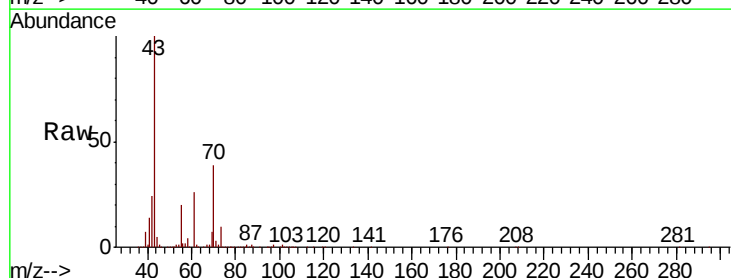
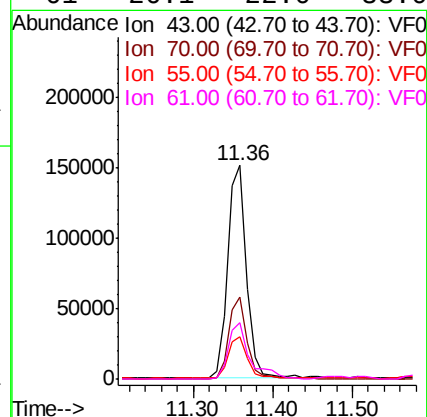
Ion Ratio Lower Upper

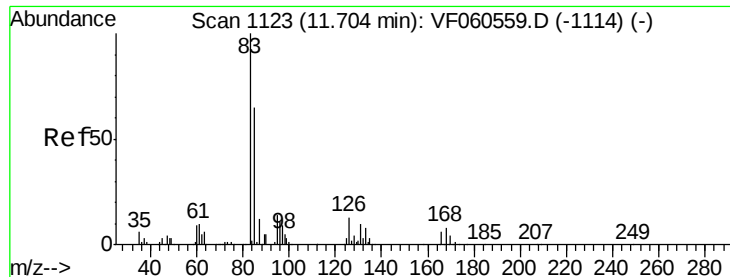
43 100

70 38.5 30.9 46.3

55 19.7 16.6 24.8

61 26.1 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.294 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

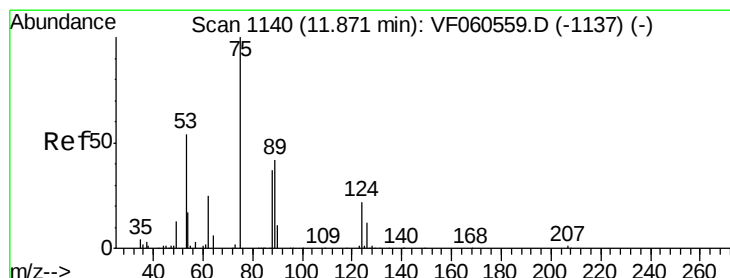
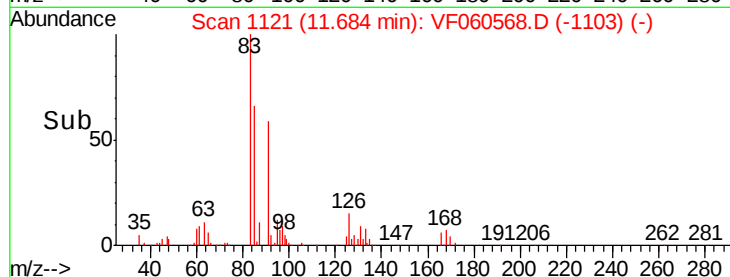
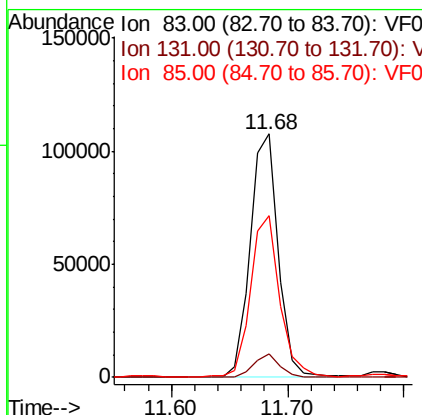
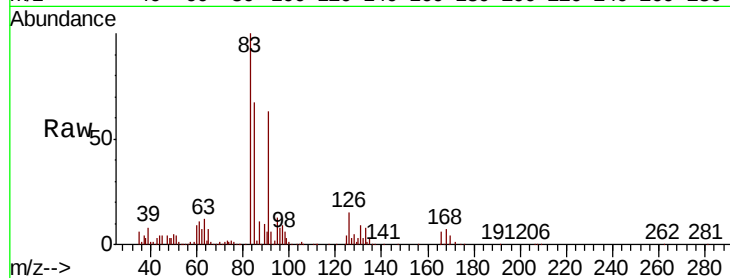
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178829
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	66.5	32.9	98.7

Manual Integrations
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11/6/2018 12:53:45 PM



#76

1,2,3-Trichloropropane

Concen: 52.599 ug/l

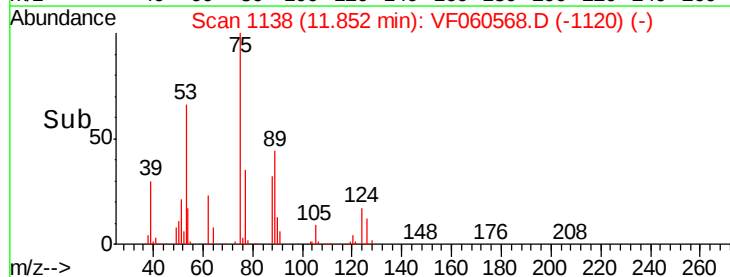
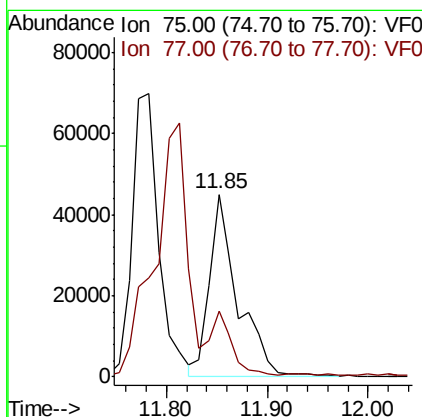
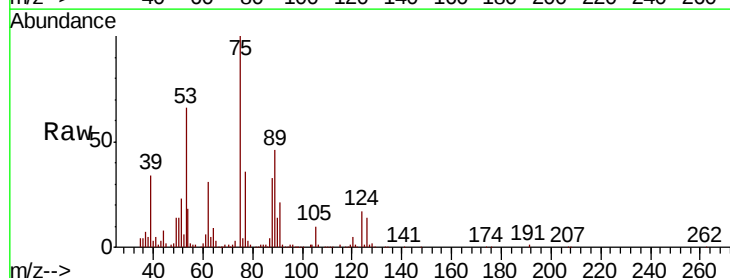
RT: 11.85 min Scan# 1138

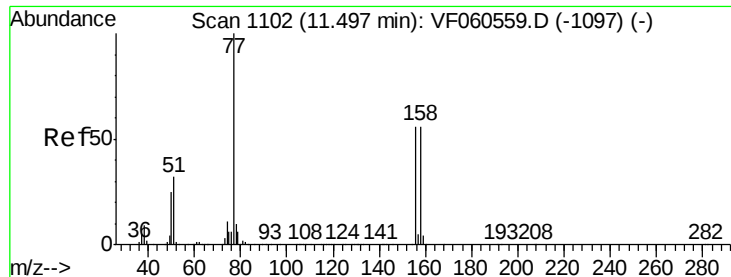
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	75	Resp:	88397
Ion Ratio	Lower	Upper	
75	100		
77	36.3	17.4	52.3





#77

Bromobenzene

Concen: 49.700 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

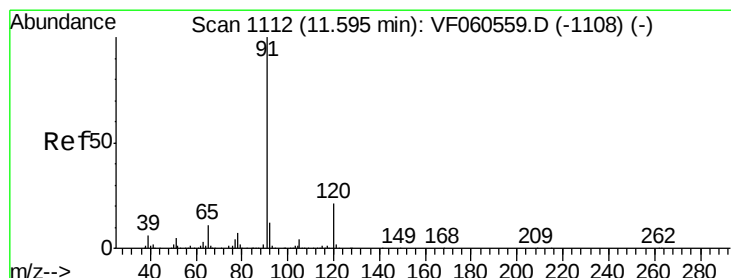
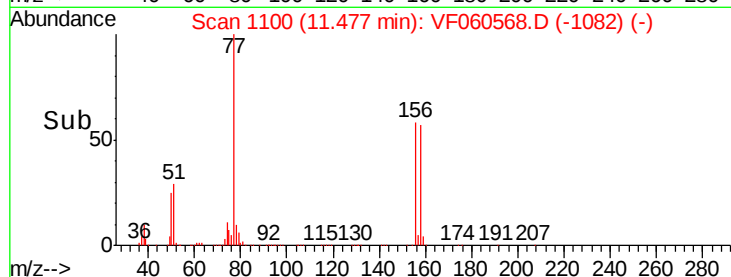
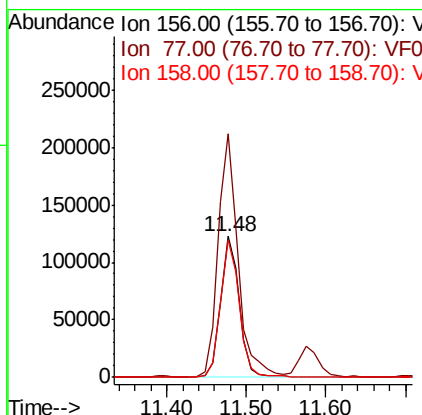
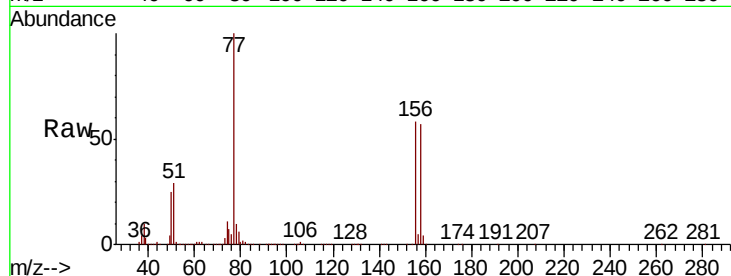
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	203742
Ion Ratio	Lower	Upper	
156	100		
77	172.8	89.3	268.1
158	98.0	50.0	150.1

Manual Integrations
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#78

n-propylbenzene

Concen: 52.517 ug/l

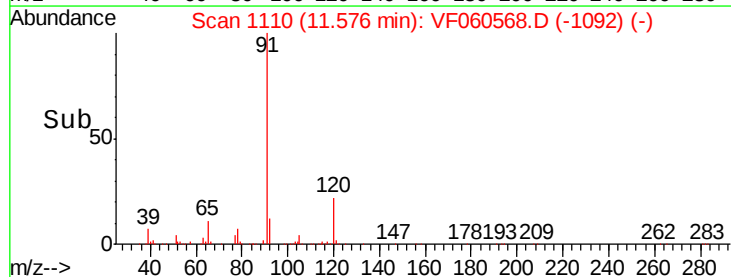
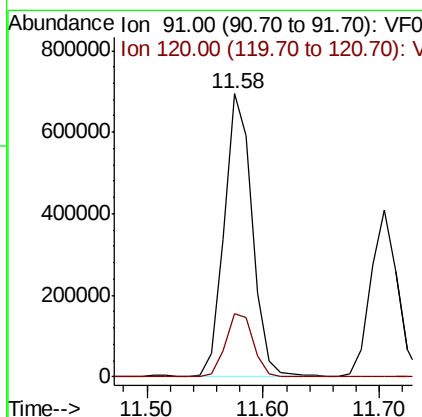
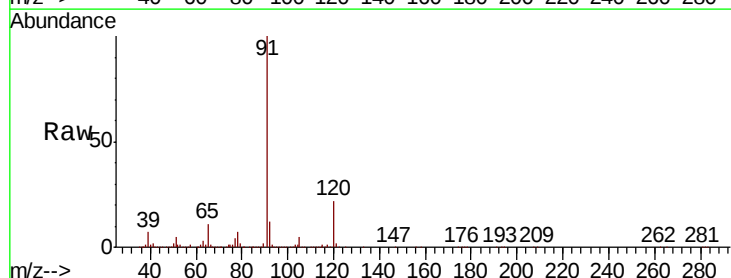
RT: 11.58 min Scan# 1110

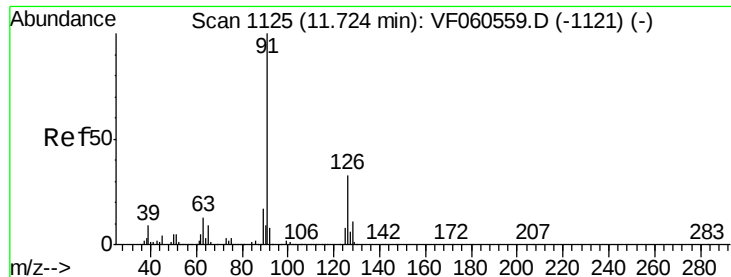
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	91	Resp:	1151173
Ion Ratio	Lower	Upper	
91	100		
120	22.4	10.5	31.6





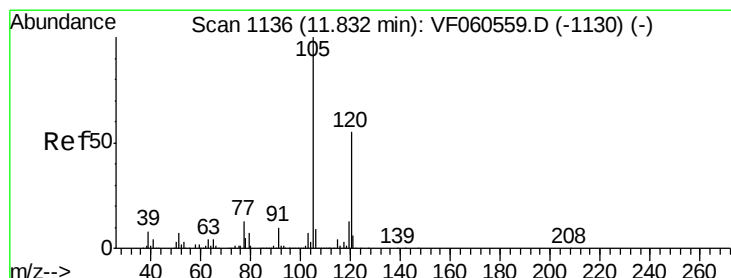
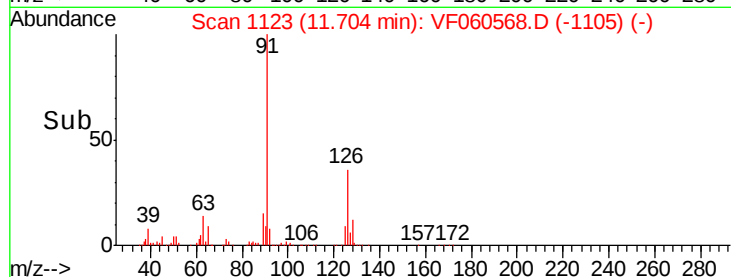
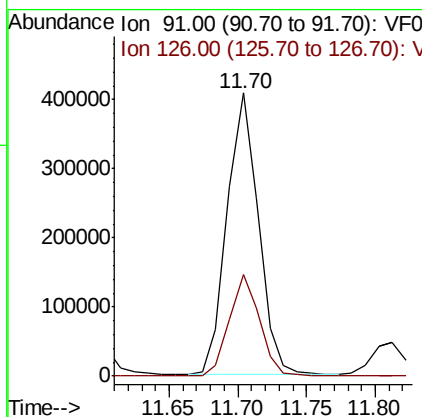
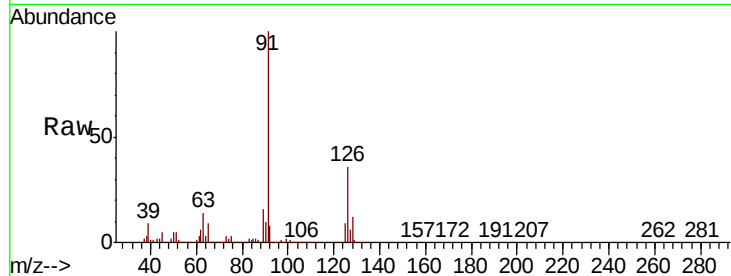
#79
2-Chlorotoluene
Concen: 51.645 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.9	16.5	49.5

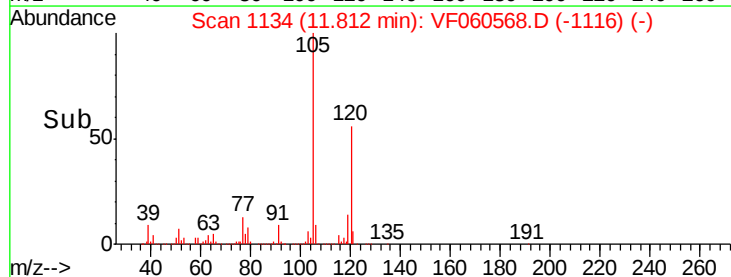
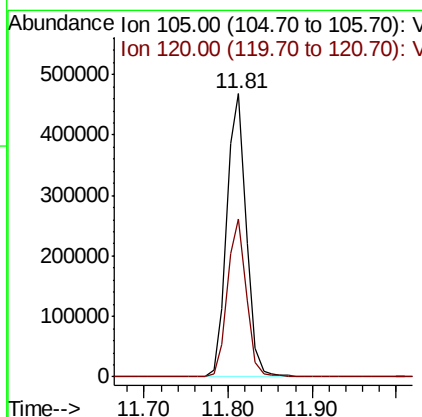
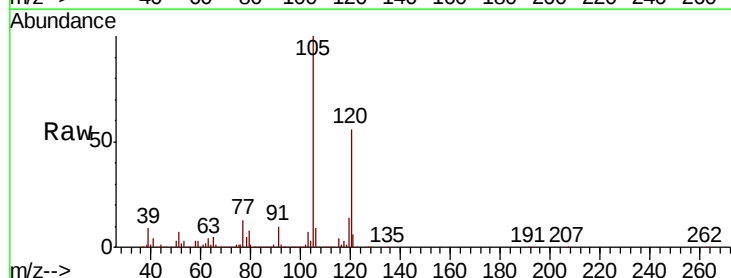
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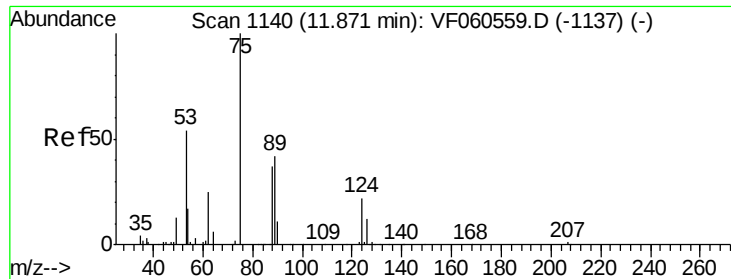
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.693 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.8	27.6	82.8





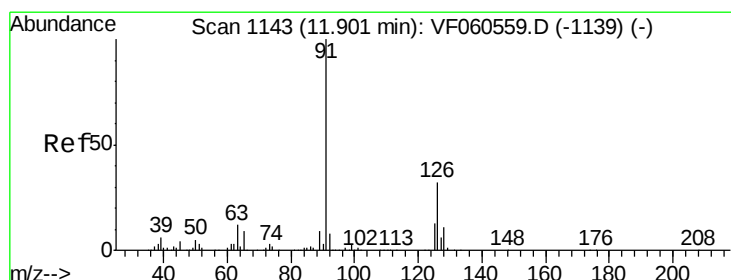
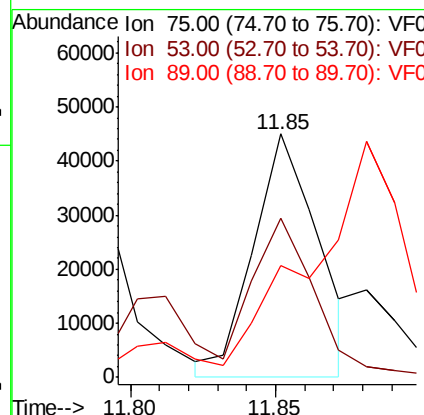
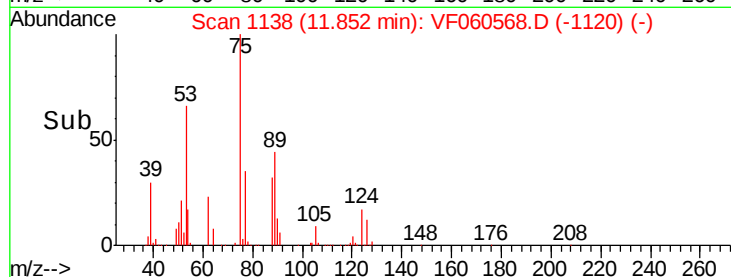
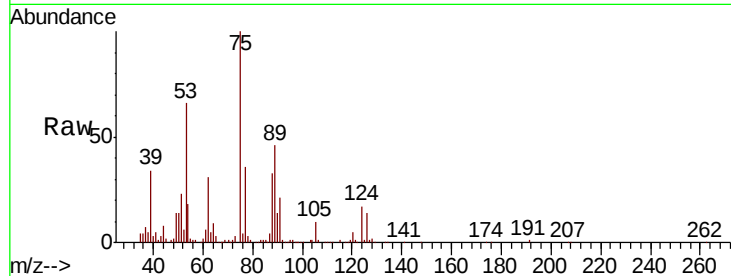
#81
trans-1,4-Dichloro-2-butene
Concen: 52.569 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	65.5	51.6	77.4
89	45.8	36.7	55.1

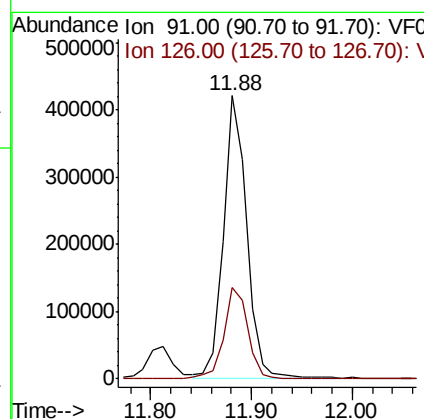
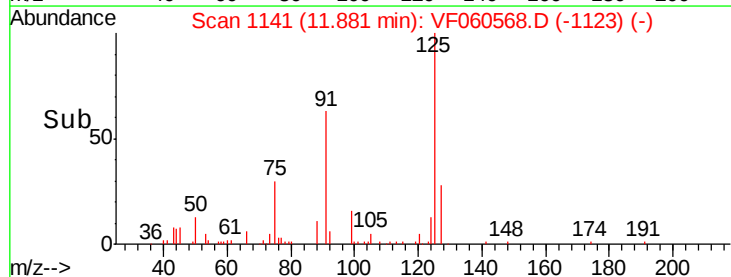
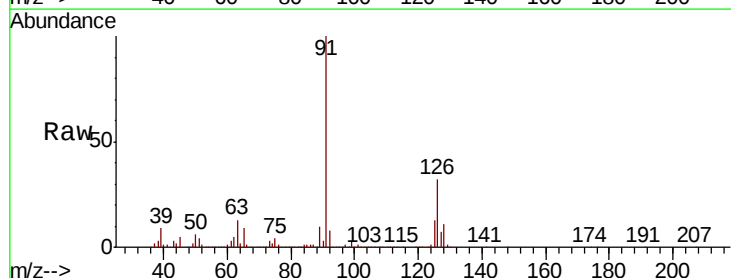
Manual Integrations
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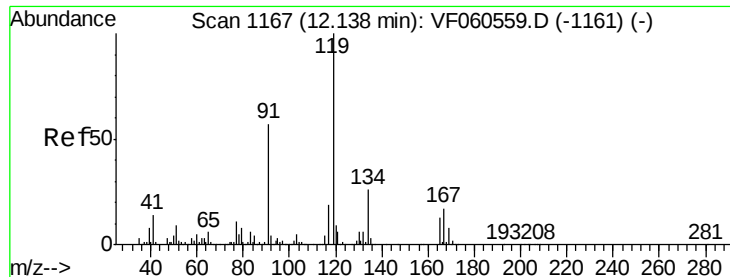
MMDadoda
11/6/2018 12:53:45 PM



#82
4-Chlorotoluene
Concen: 51.368 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7





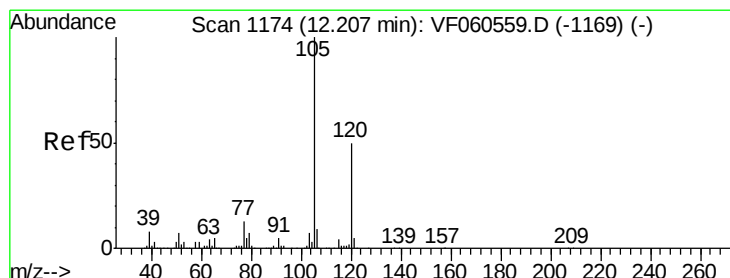
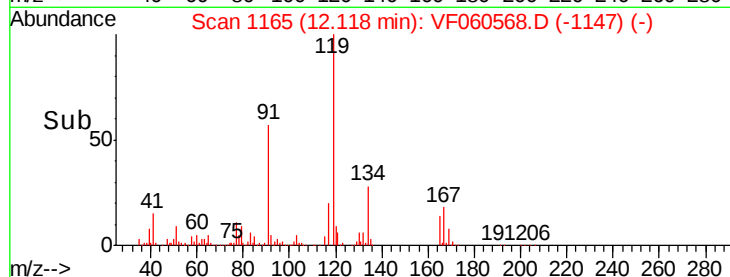
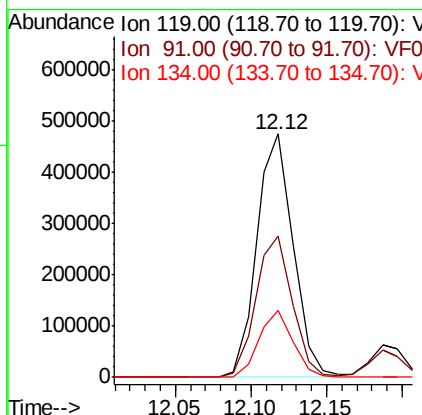
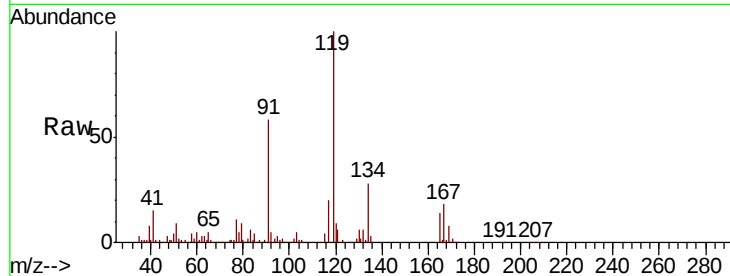
#83
tert-Butylbenzene
Concen: 50.207 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.8	86.4
134	27.5	13.2	39.6

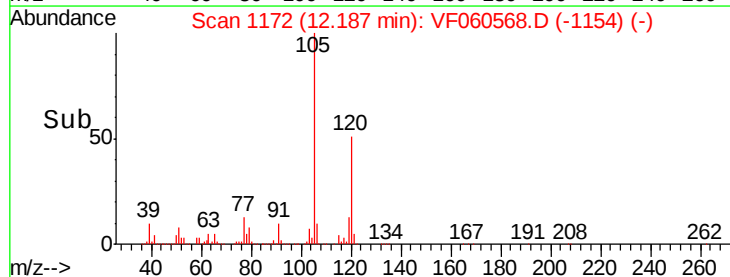
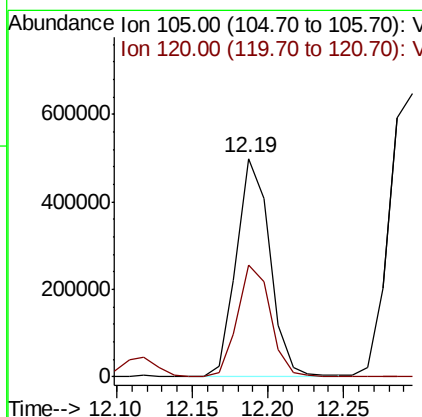
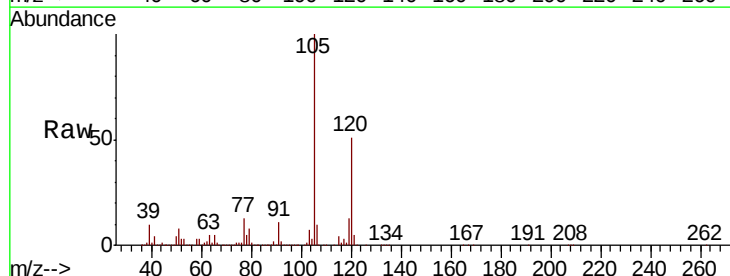
Manual Integrations
APPROVED

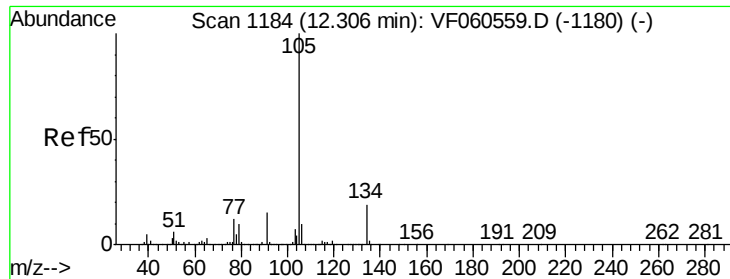
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.090 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.6	76.8





#85

sec-Butylbenzene

Concen: 49.442 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1072989

Ion Ratio Lower Upper

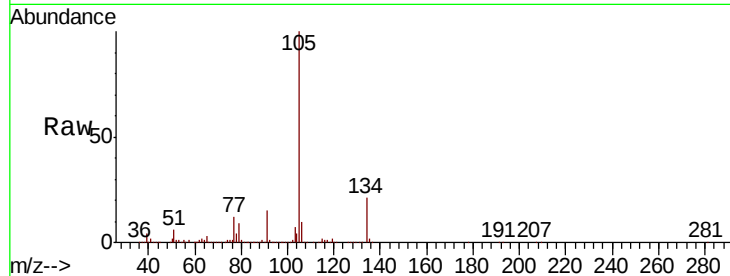
105 100

134 21.3 9.7 29.1

Manual Integrations
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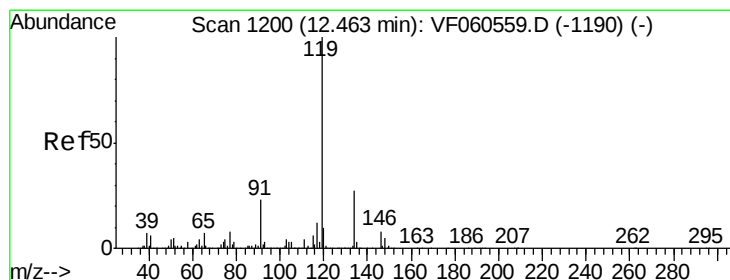
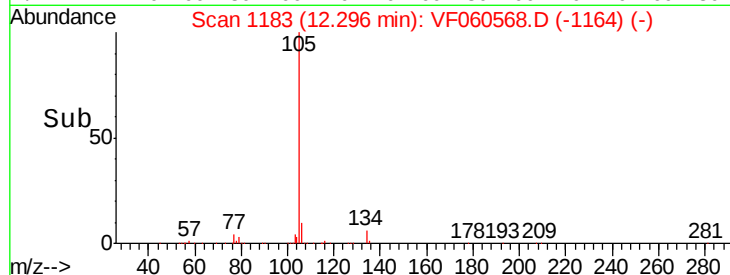
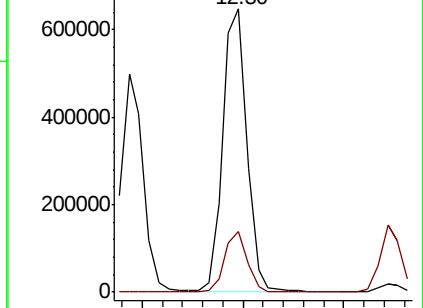
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.802 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

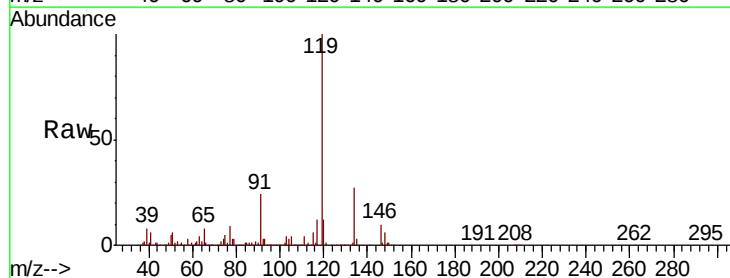
Tgt Ion:119 Resp: 854308

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

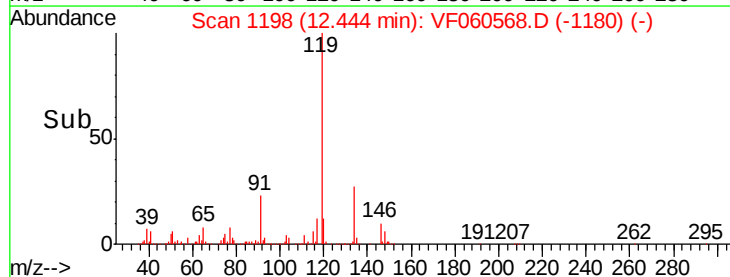
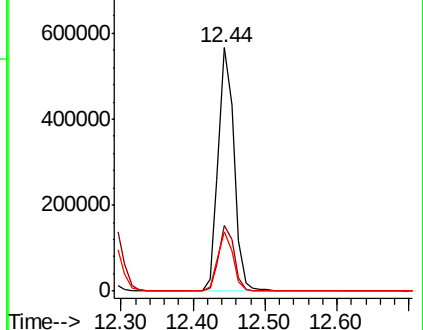
91 24.2 11.4 34.2

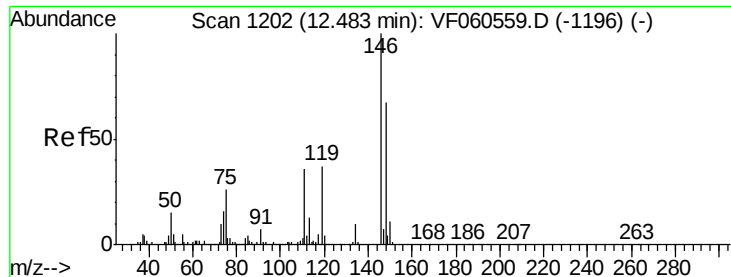


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.889 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

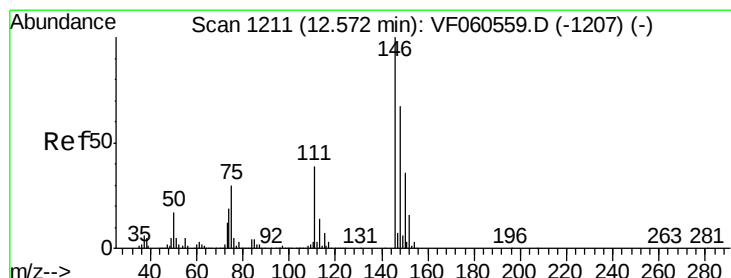
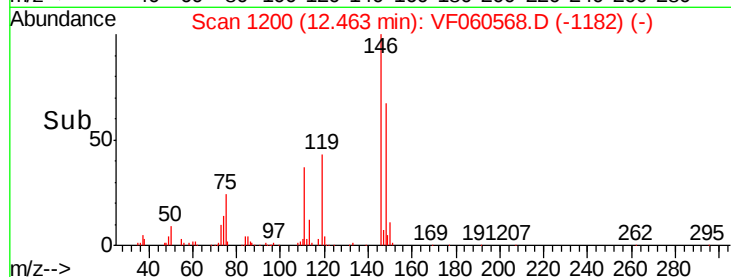
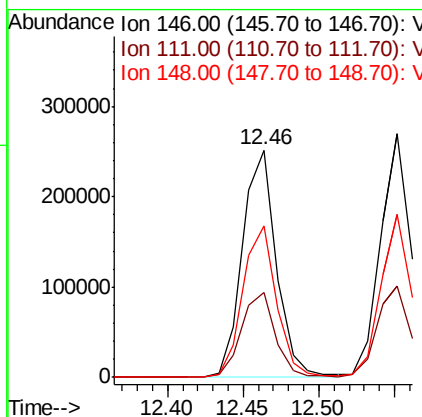
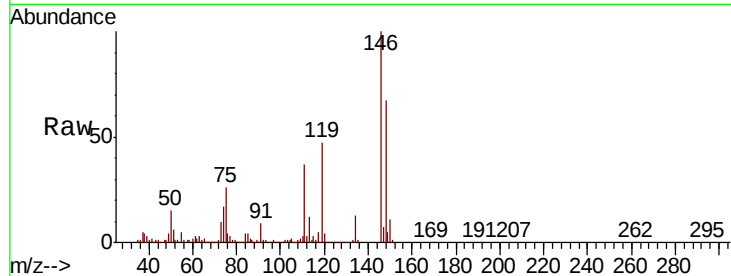
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	66.6	33.5	100.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.204 ug/l

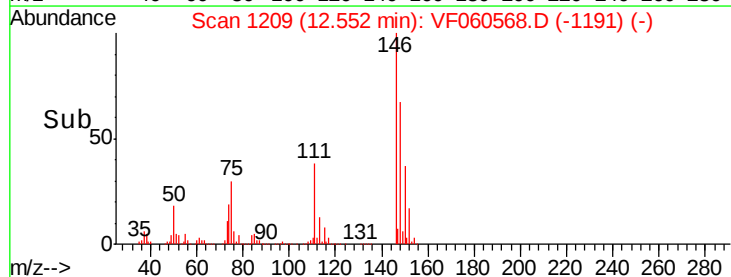
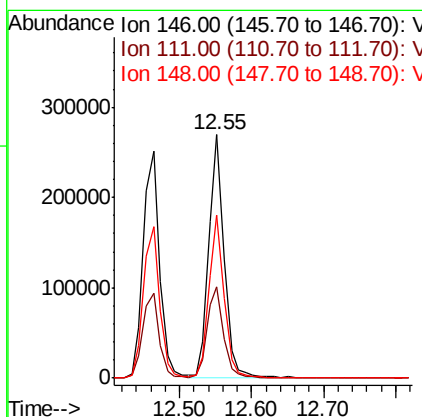
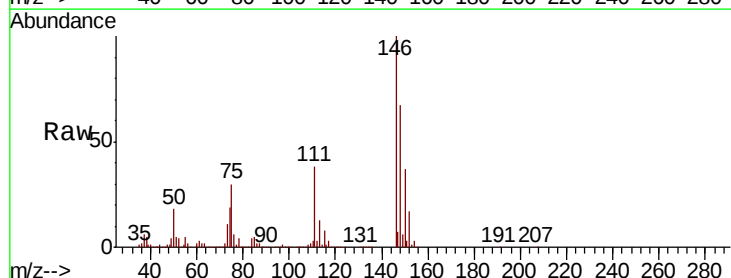
RT: 12.55 min Scan# 1209

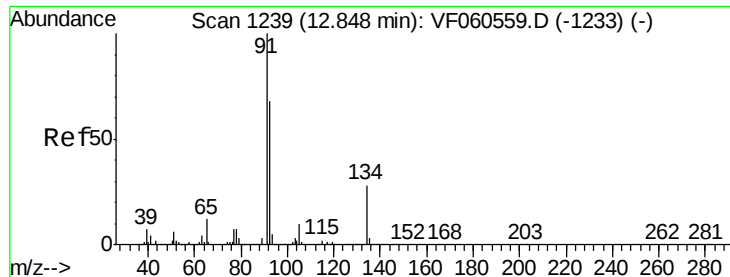
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.1
148	67.2	33.7	101.1





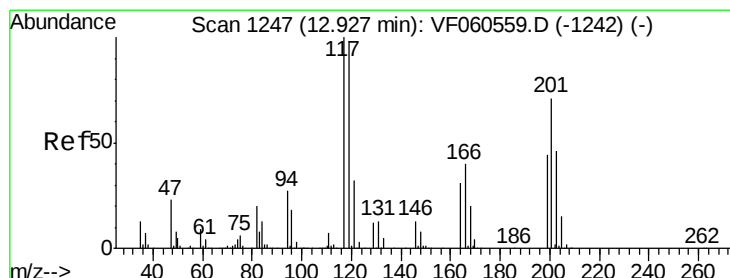
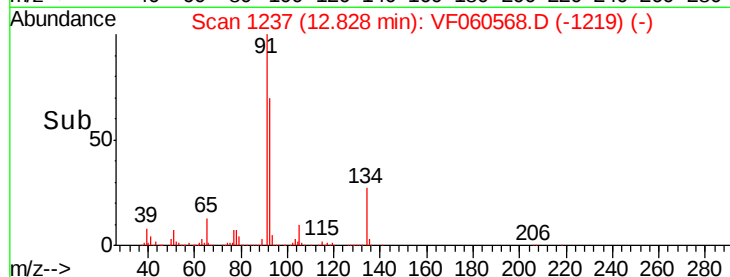
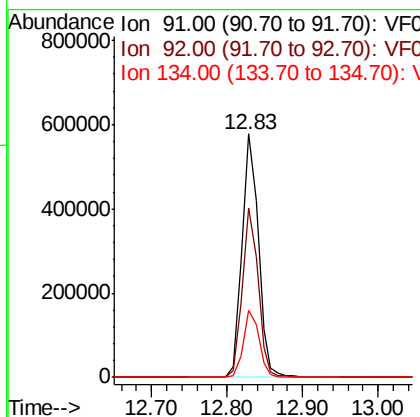
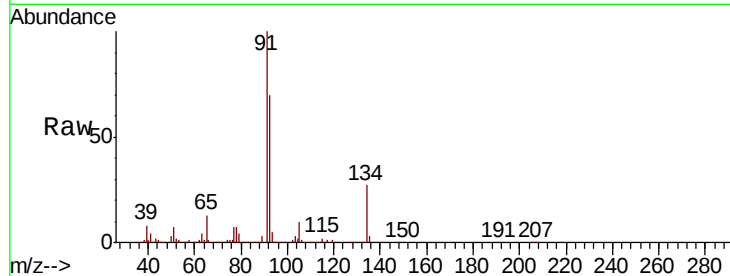
#89
n-Butylbenzene
Concen: 49.428 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.6	34.1	102.2
134	27.4	13.9	41.6

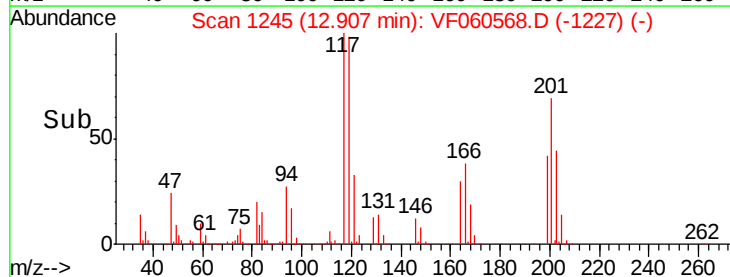
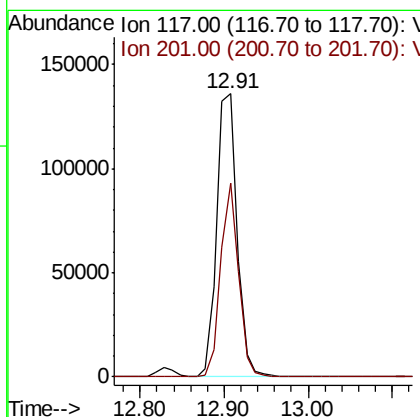
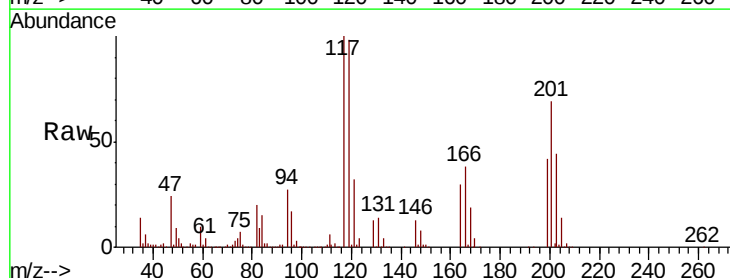
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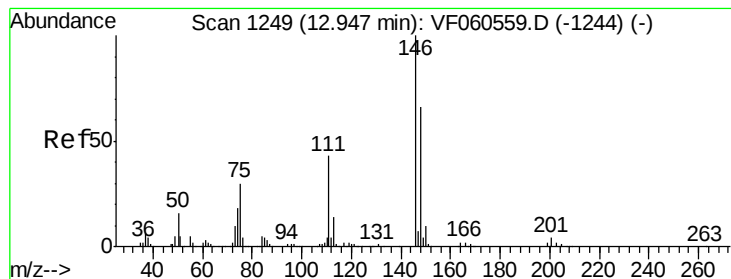
MMDadoda
11/6/2018 12:53:45 PM



#90
Hexachloroethane
Concen: 50.761 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 49.656 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Instrument :

MSVOA_F

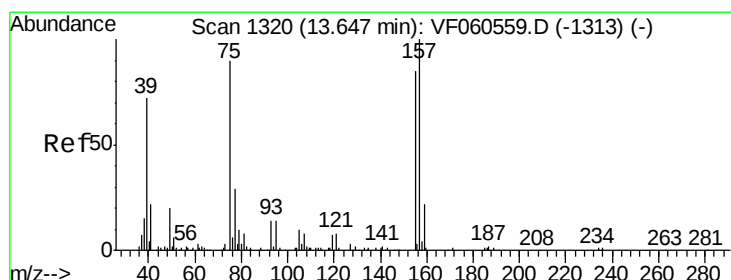
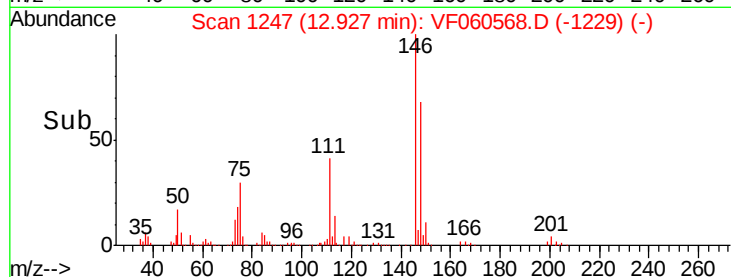
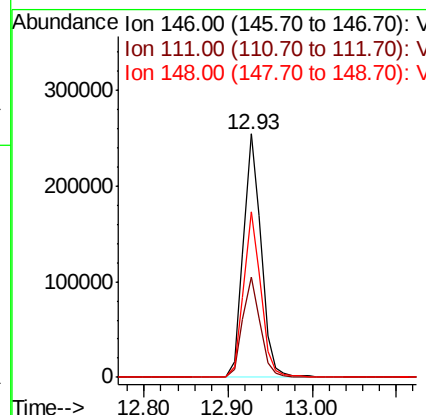
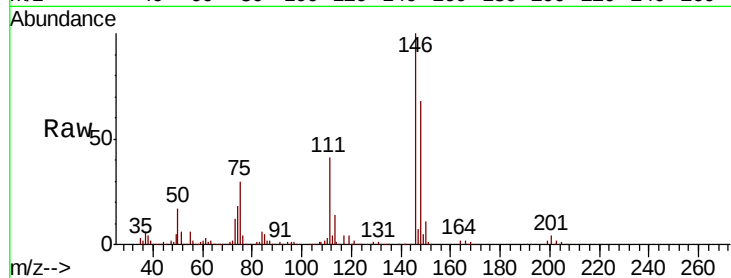
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	373797
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.3	64.0
148	68.2	32.9	98.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.905 ug/l

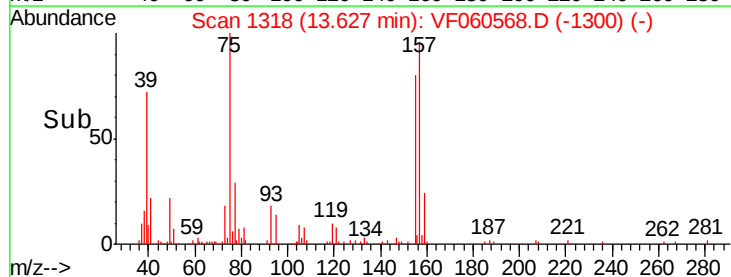
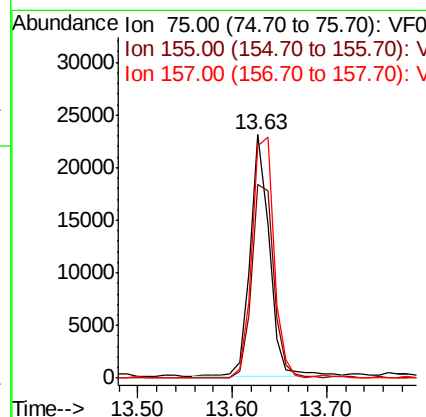
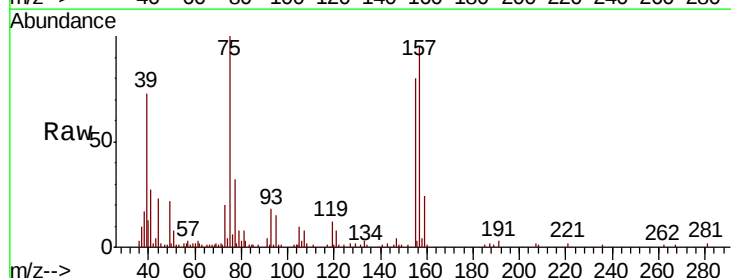
RT: 13.63 min Scan# 1318

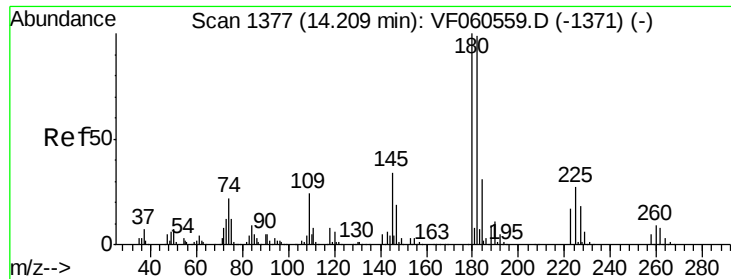
Delta R.T. -0.02 min

Lab File: VF060568.D

Acq: 5 Nov 2018 11:38

Tgt Ion:	75	Resp:	32620
Ion Ratio	Lower	Upper	
75	100		
155	79.6	47.3	141.8
157	95.3	55.3	165.9





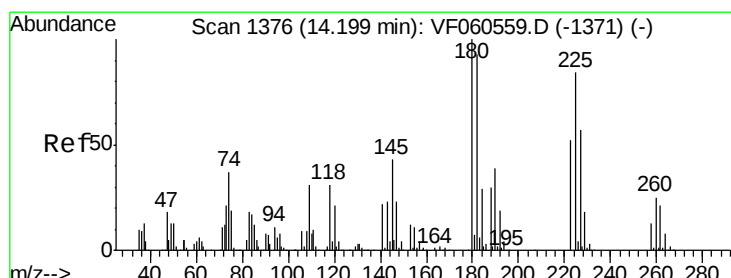
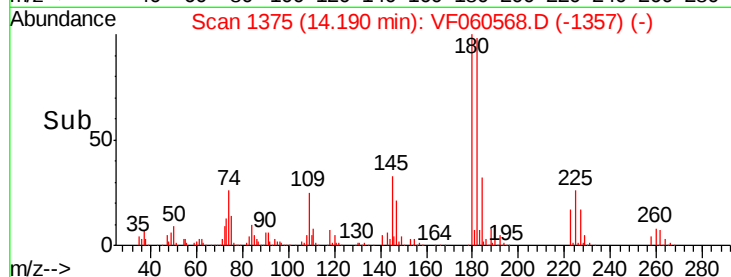
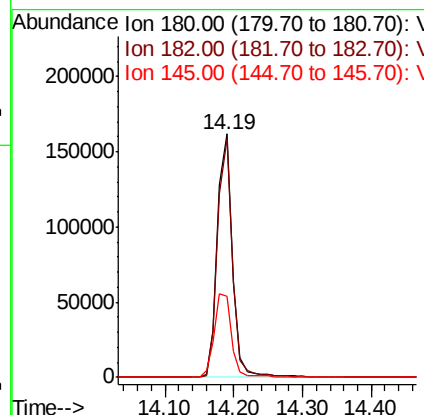
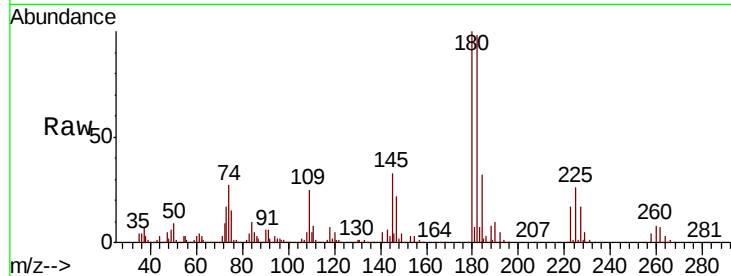
#93
 1,2,4-Trichlorobenzene
 Concen: 48.228 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	49.7	149.1
145	33.4	16.9	50.7

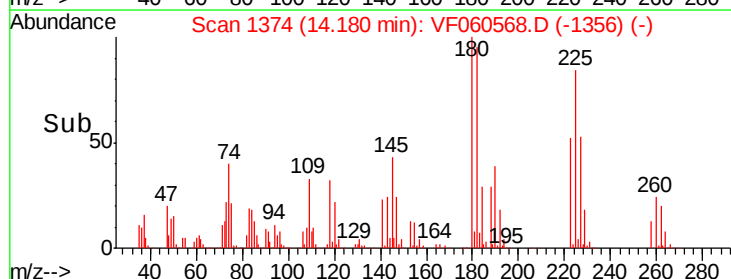
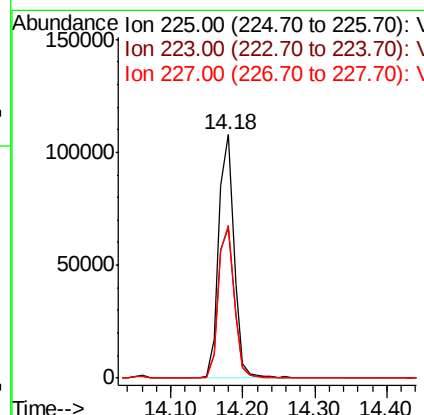
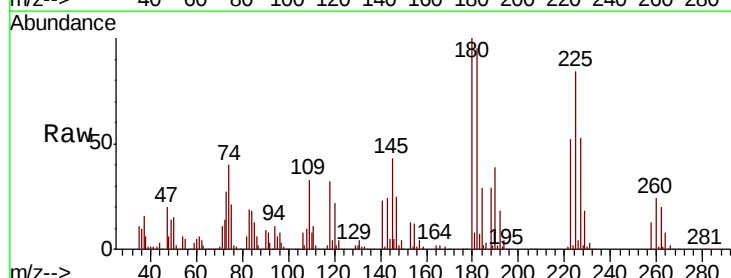
Manual Integrations
 APPROVED

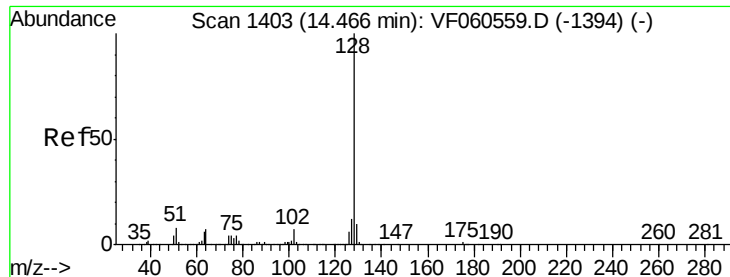
MMDadoda
 11/6/2018 12:53:45 PM



#94
 Hexachlorobutadiene
 Concen: 47.589 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF060568.D
 Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.9	92.5
227	62.9	33.9	101.6





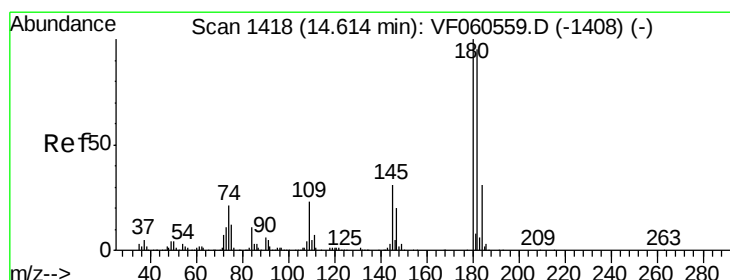
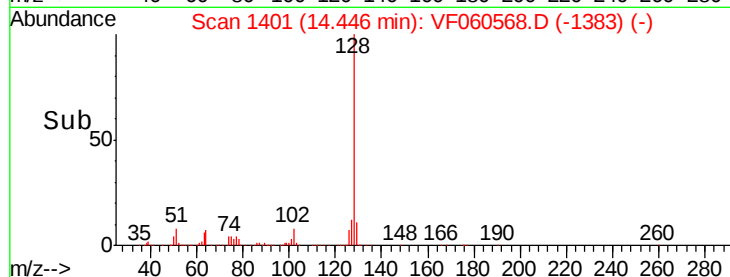
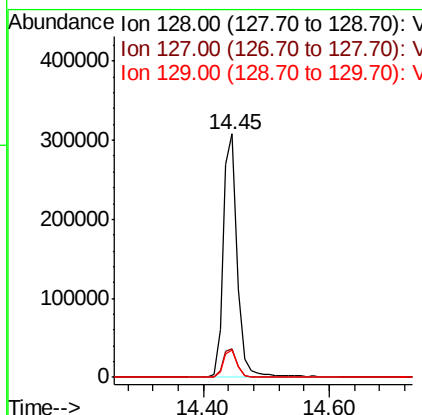
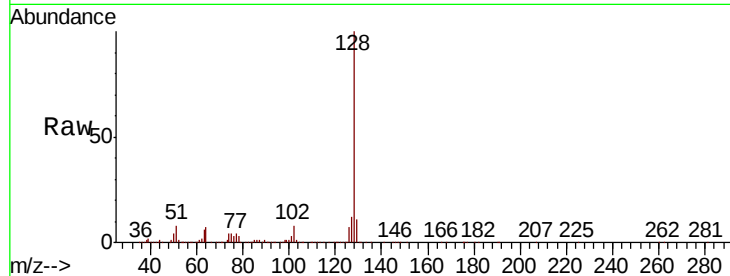
#95
Naphthalene
Concen: 46.919 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	480250		
127	11.7		9.4	14.0
129	11.1		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/6/2018 12:53:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.559 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF060568.D
Acq: 5 Nov 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239415		
182	94.7		47.3	142.0
145	38.1		15.6	46.8

