

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060711.D
 Acq On : 13 Nov 2018 13:33
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 12:55:32 PM

Quant Time: Nov 14 03:01:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	211831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	383439	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	342303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	182527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	169085	69.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.96%	
35) Dibromofluoromethane	4.12	113	191559	66.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.92%	
50) Toluene-d8	7.57	98	529286	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
62) 4-Bromofluorobenzene	11.42	95	247552	63.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	262918	69.353	ug/l	99
3) Chloromethane	1.09	50	167178	71.106	ug/l	95
4) Vinyl Chloride	1.14	62	147549	70.155	ug/l	98
5) Bromomethane	1.32	94	96549	72.268	ug/l	89
6) Chloroethane	1.37	64	58451	71.032	ug/l	97
7) Trichlorofluoromethane	1.49	101	336648	72.337	ug/l	100
8) Diethyl Ether	1.64	74	45090	75.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	156255	71.294	ug/l	98
10) Methyl Iodide	1.90	142	261280	77.504	ug/l	89
11) Tert butyl alcohol	2.57	59	38527	350.365	ug/l	99
12) 1,1-Dichloroethene	1.78	96	122092	70.647	ug/l	98
13) Acrolein	2.01	56	32693	325.161	ug/l	100
14) Allyl chloride	2.10	41	219482	72.494	ug/l	98
15) Acrylonitrile	2.95	53	78159	333.564	ug/l	95
16) Acetone	2.24	43	188580	365.153	ug/l	99
17) Carbon Disulfide	1.82	76	372282	71.321	ug/l	98
18) Methyl Acetate	2.36	43	58672	63.682	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	299648	72.275	ug/l	99
20) Methylene Chloride	2.19	84	116565m	59.678	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	126792	70.222	ug/l	95
22) Diisopropyl ether	2.81	45	413557	70.752	ug/l	97
23) Vinyl Acetate	3.20	43	1004870	365.078	ug/l	97
24) 1,1-Dichloroethane	2.88	63	253564	71.653	ug/l	99
25) 2-Butanone	4.34	43	308650	363.348	ug/l	98
26) 2,2-Dichloropropane	3.61	77	196528	70.573	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	219862	71.580	ug/l	96
28) Bromochloromethane	3.73	49	131454	71.478	ug/l	95
29) Tetrahydrofuran	4.08	42	122505	349.627	ug/l	98
30) Chloroform	3.87	83	396419	69.819	ug/l	97
31) Cyclohexane	3.70	56	295106	68.710	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	319509	71.459	ug/l	99
36) 1,1-Dichloropropene	4.29	75	295369	66.421	ug/l	100
37) Ethyl Acetate	4.12	43	113368	68.571	ug/l	88
38) Carbon Tetrachloride	4.00	117	309837m	71.805	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	342819	66.449	ug/l	98
40) Benzene	4.65	78	667351	67.322	ug/l	100
41) Methacrylonitrile	4.75	41	62449	62.352	ug/l	96
42) 1,2-Dichloroethane	4.95	62	243059	70.953	ug/l	99
43) Isopropyl Acetate	6.97	43	161834	73.828	ug/l #	96
44) Trichloroethene	5.51	130	202269	64.673	ug/l	92
45) 1,2-Dichloropropane	6.24	63	174898	67.803	ug/l	100
46) Dibromomethane	6.10	93	119365	70.101	ug/l	96
47) Bromodichloromethane	6.40	83	298502	68.649	ug/l	100
48) Methyl methacrylate	6.73	41	103876	71.602	ug/l	94
49) 1,4-Dioxane	6.72	88	19555	1441.270	ug/l #	82
51) 4-Methyl-2-Pentanone	8.27	43	524337	330.728	ug/l	99
52) Toluene	7.63	92	435173	65.510	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	241248	69.271	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	306516	67.757	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	130486	68.749	ug/l	96
56) Ethyl methacrylate	8.63	69	154417	71.637	ug/l	95
57) 1,3-Dichloropropane	8.87	76	229203	69.680	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	67294	341.753	ug/l	100
59) 2-Hexanone	9.50	43	382022	342.876	ug/l	98
60) Dibromochloromethane	8.73	129	190340	70.366	ug/l	99
61) 1,2-Dibromoethane	9.01	107	142132	71.204	ug/l	100
64) Tetrachloroethene	8.17	164	185285	68.354	ug/l	99
65) Chlorobenzene	9.81	112	477147	69.077	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	204718	67.950	ug/l	97
67) Ethyl Benzene	9.91	91	875842	67.268	ug/l	99
68) m/p-Xylenes	10.15	106	639609	137.461	ug/l	94
69) o-Xylene	10.72	106	357498	68.338	ug/l	94
70) Styrene	10.80	104	467786	65.889	ug/l	97
71) Bromoform	10.79	173	97749	72.150	ug/l	99
73) Isopropylbenzene	11.14	105	1019004	69.357	ug/l	99
74) N-amyl acetate	11.38	43	254268	76.022	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	164855	67.868	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	120892	67.013	ug/l	97
77) Bromobenzene	11.51	156	219419	71.747	ug/l	89
78) n-propylbenzene	11.61	91	1143009	66.705	ug/l	98
79) 2-Chlorotoluene	11.73	91	666020	66.875	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	803755	68.907	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	60643m	70.063	ug/l	
82) 4-Chlorotoluene	11.92	91	709914	69.581	ug/l	95
83) tert-Butylbenzene	12.14	119	823496	66.493	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	819847	67.961	ug/l	99
85) sec-Butylbenzene	12.32	105	1132982	67.439	ug/l	98
86) p-Isopropyltoluene	12.47	119	931802	66.408	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	404465	66.458	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	403019	68.901	ug/l	100
89) n-Butylbenzene	12.85	91	950720	66.394	ug/l	94
90) Hexachloroethane	12.93	117	239439	69.768	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	398450	69.532	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	32729	71.688	ug/l	79

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 02:40:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	281119	68.253	ug/l	96
94) Hexachlorobutadiene	14.20	225	187829	69.786	ug/l	98
95) Naphthalene	14.46	128	549725	73.146	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	265310	69.709	ug/l	97

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

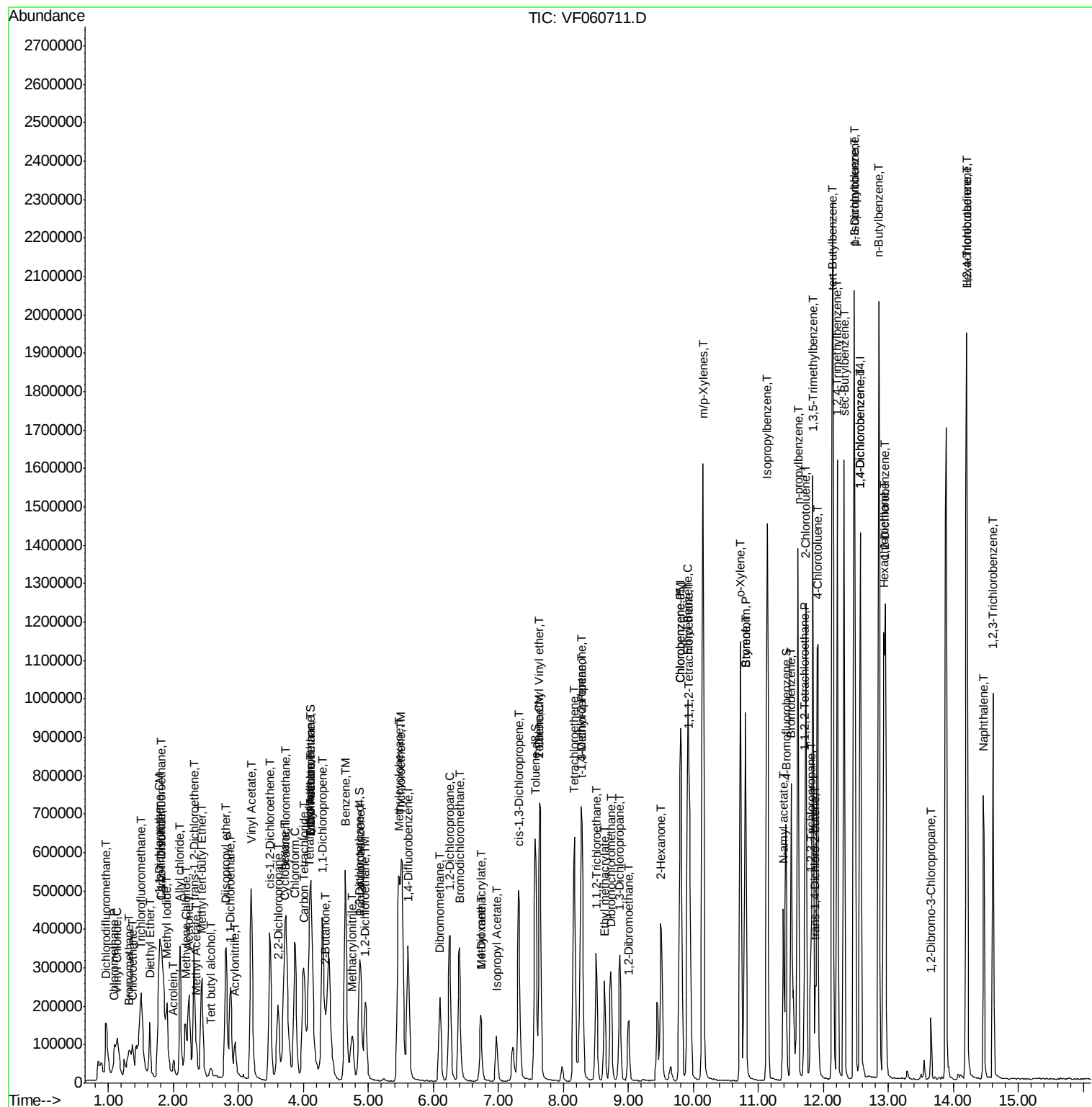
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060711.D
 Acq On : 13 Nov 2018 13:33
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

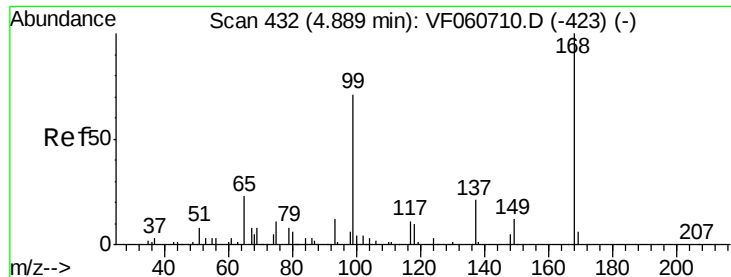
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 211831

Ion Ratio Lower Upper

168 100

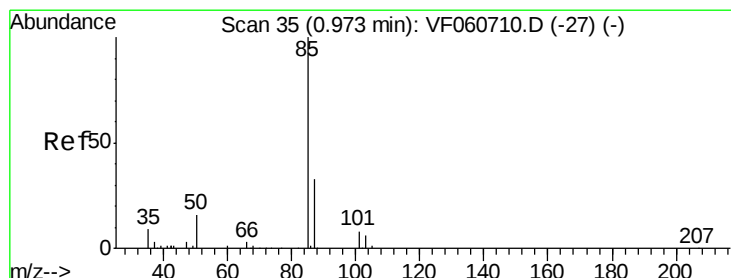
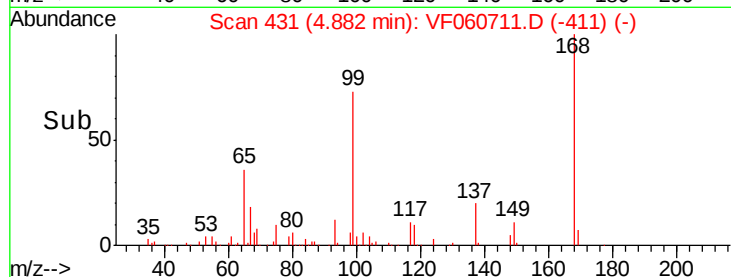
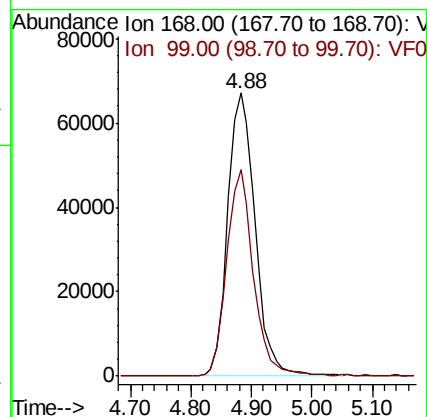
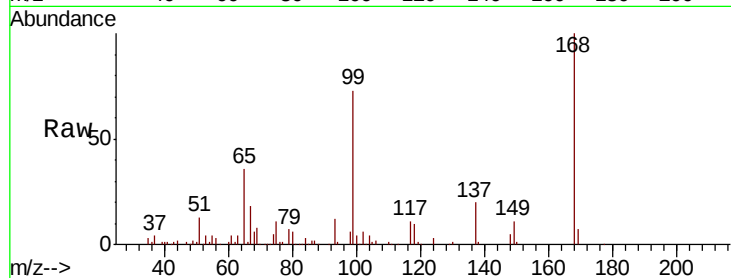
99 73.2 57.2 85.8

Manual Integrations

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11/14/2018 12:55:32 PM



#2

Dichlorodifluoromethane

Concen: 69.353 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060711.D

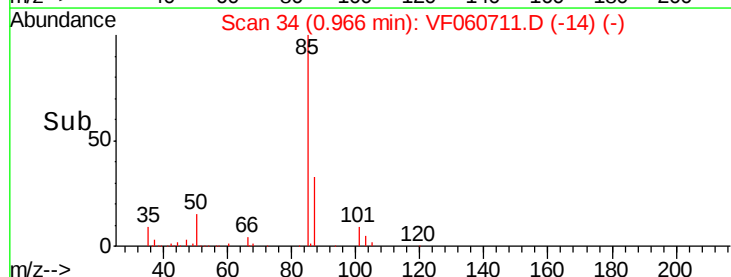
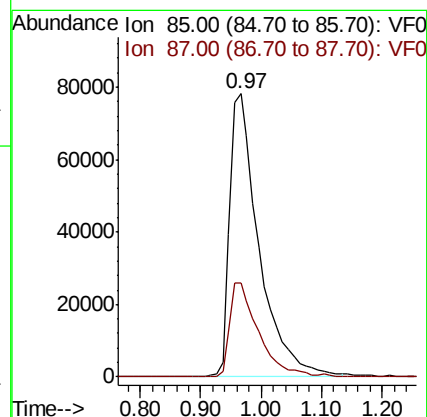
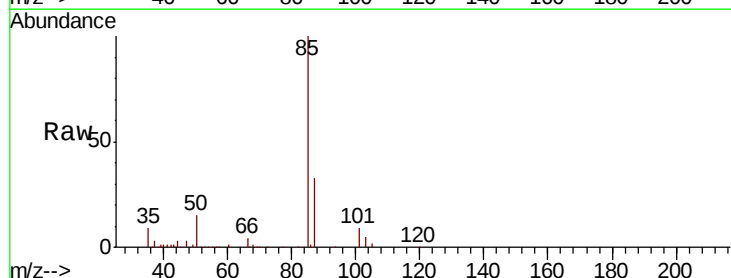
Acq: 13 Nov 2018 13:33

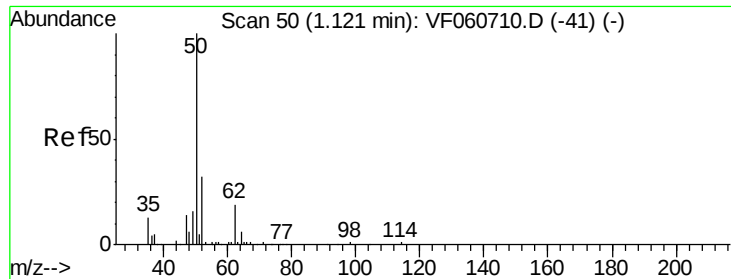
Tgt Ion: 85 Resp: 262918

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9





#3

Chloromethane

Concen: 71.106 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 167178

Ion Ratio Lower Upper

50 100

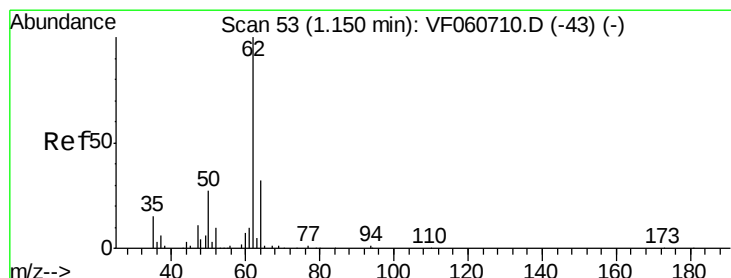
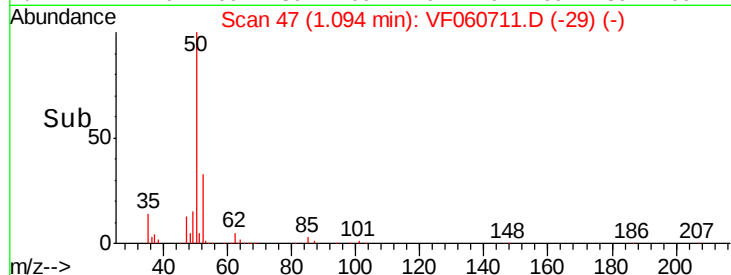
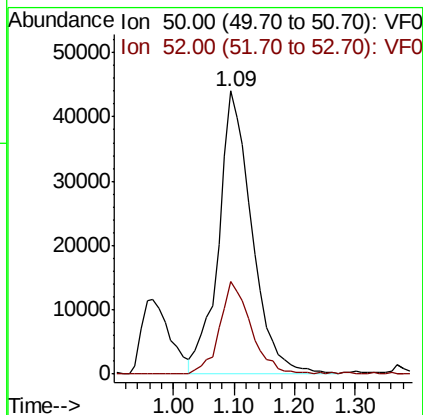
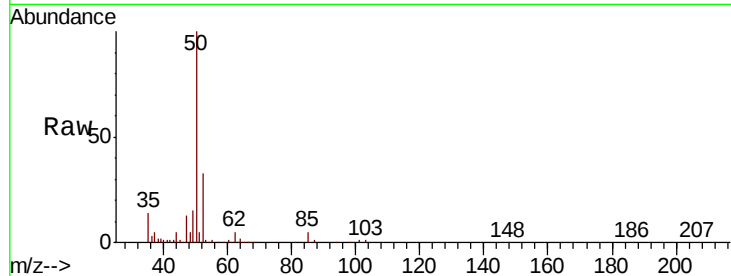
52 32.9 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 70.155 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060711.D

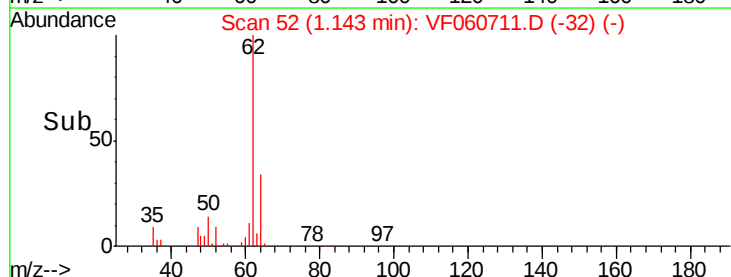
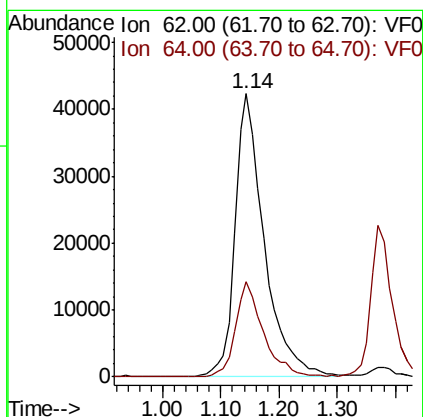
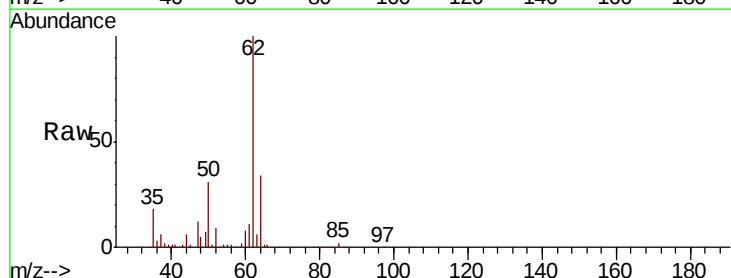
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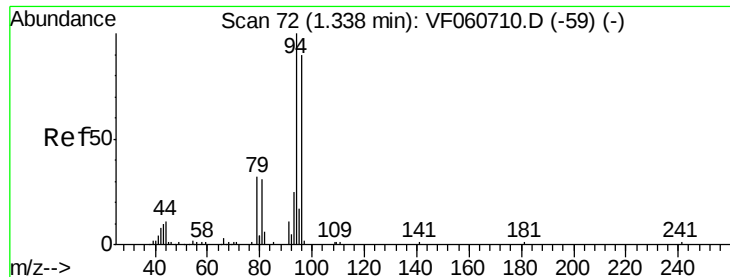
Tgt Ion: 62 Resp: 147549

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





#5

Bromomethane

Concen: 72.268 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 96549

Ion Ratio Lower Upper

94 100

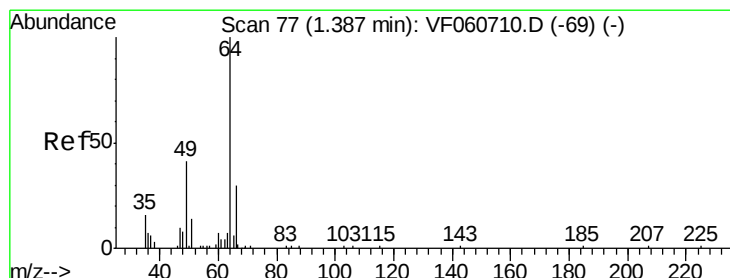
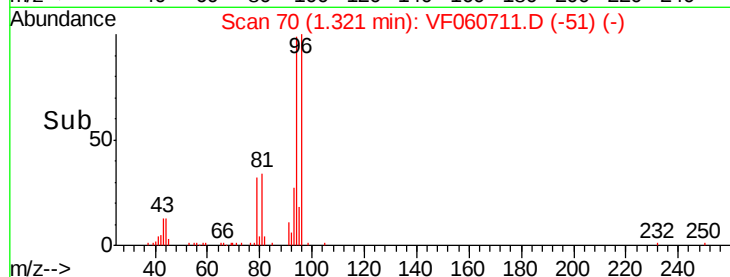
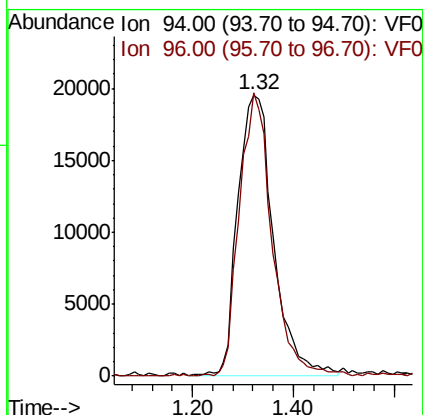
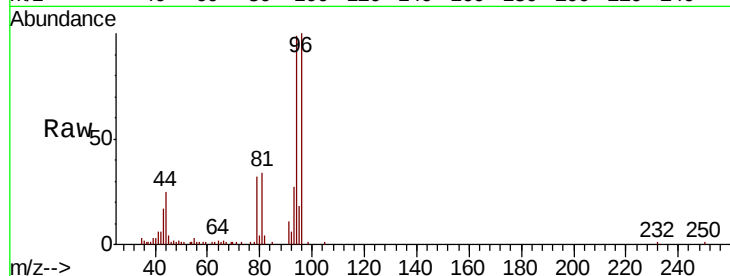
96 100.6 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 71.032 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060711.D

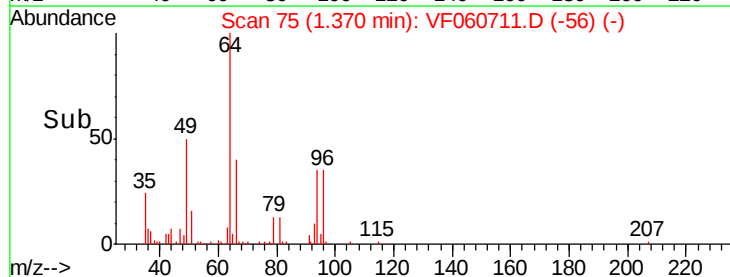
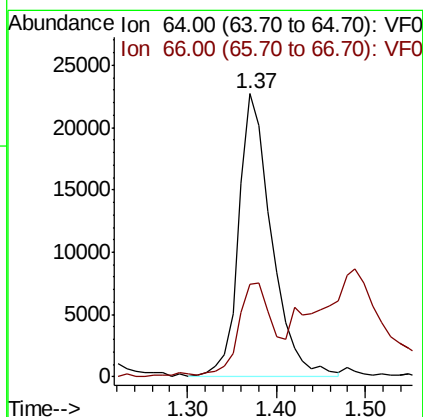
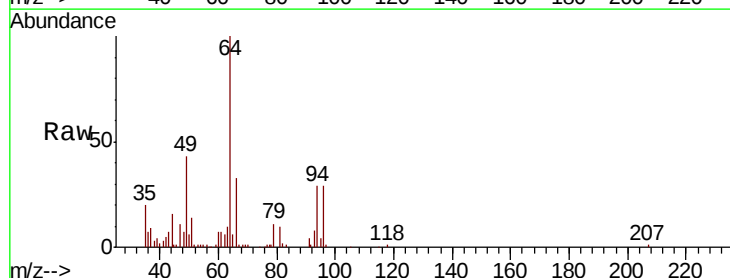
Acq: 13 Nov 2018 13:33

Tgt Ion: 64 Resp: 58451

Ion Ratio Lower Upper

64 100

66 32.5 24.8 37.2





#7

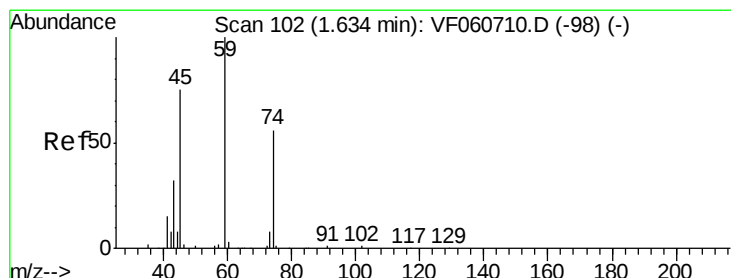
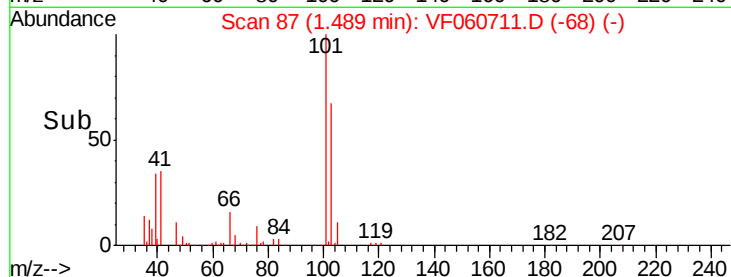
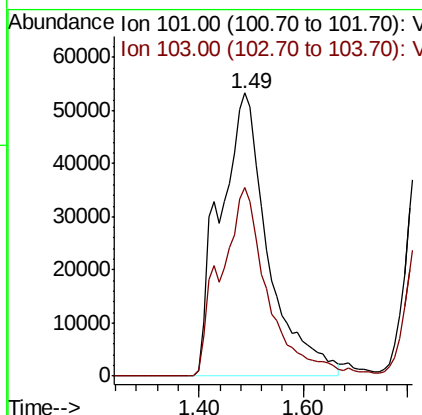
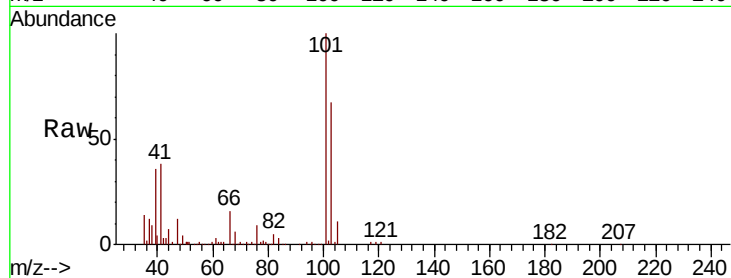
Trichlorofluoromethane
Concen: 72.337 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		336648		
103	66.8	53.1	79.7		

Manual Integrations
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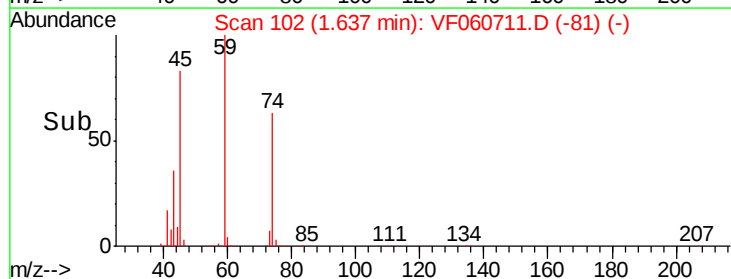
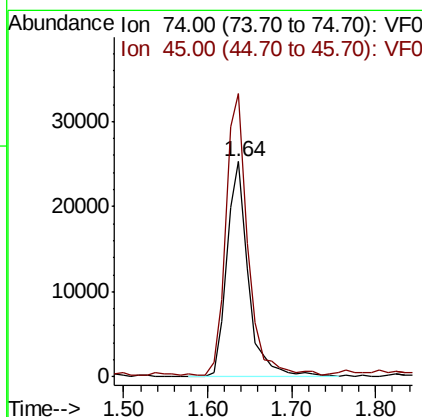
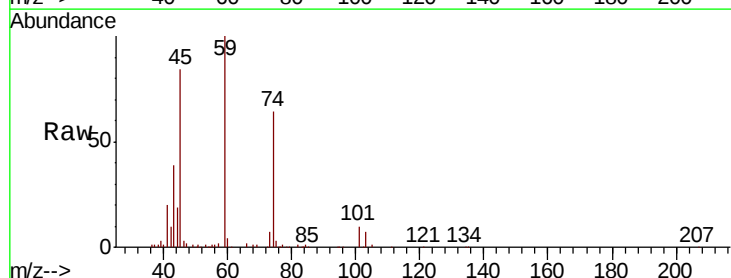
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11/14/2018 12:55:32 PM

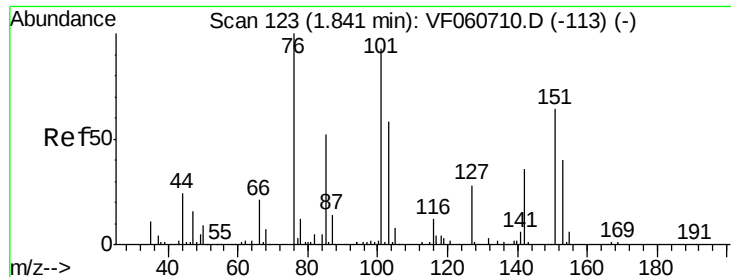


#8

Diethyl Ether
Concen: 75.667 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45090		
45	131.4	67.7	203.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 71.294 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

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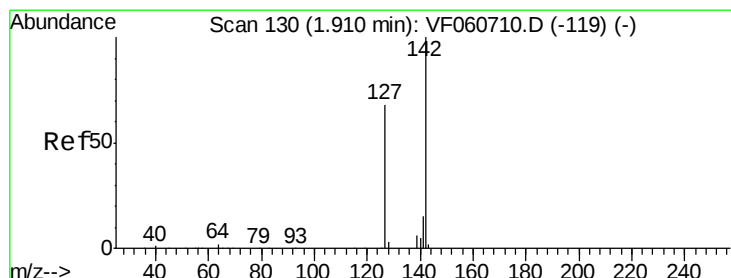
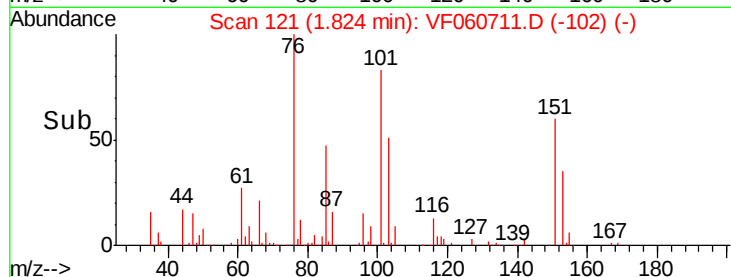
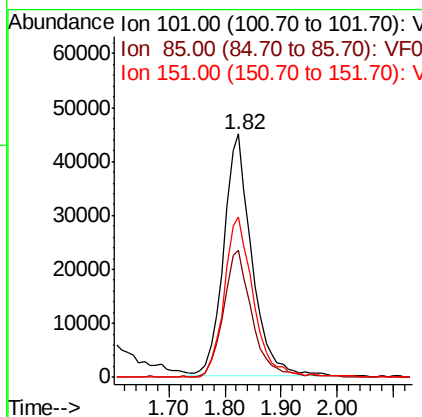
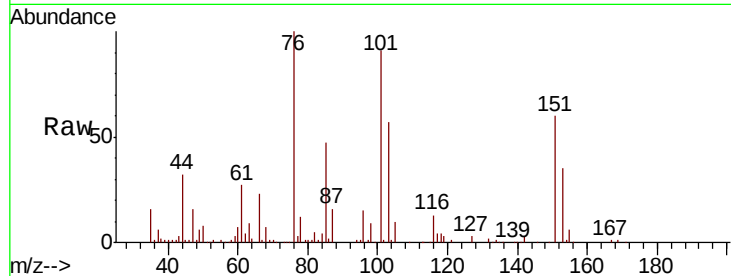
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	156255
Ion Ratio	Lower	Upper	
101	100		
85	52.0	43.6	65.4
151	65.9	53.1	79.7

Manual Integrations
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#10

Methyl Iodide

Concen: 77.504 ug/l

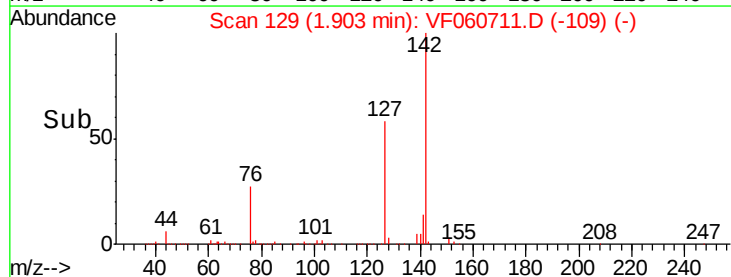
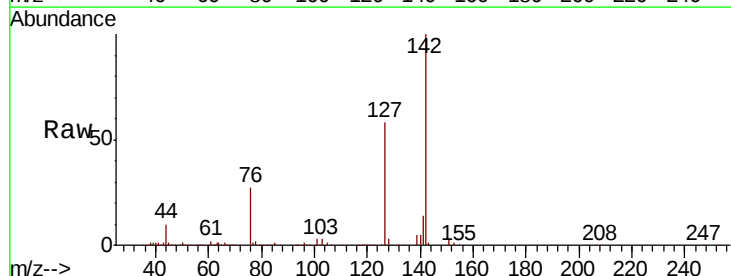
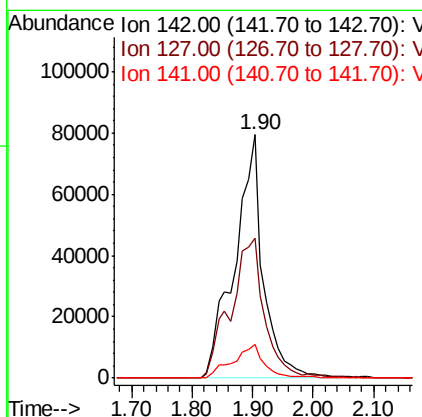
RT: 1.90 min Scan# 129

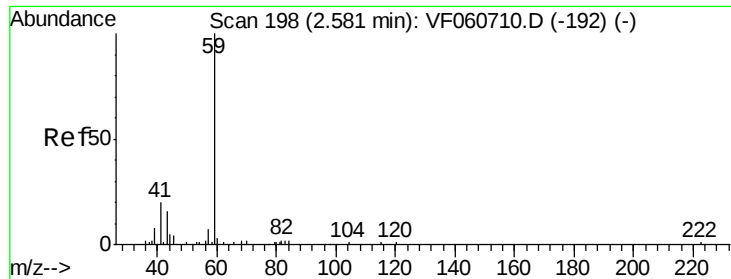
Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	142	Resp:	261280
Ion Ratio	Lower	Upper	
142	100		
127	57.6	54.0	81.0
141	14.1	12.3	18.5





#11

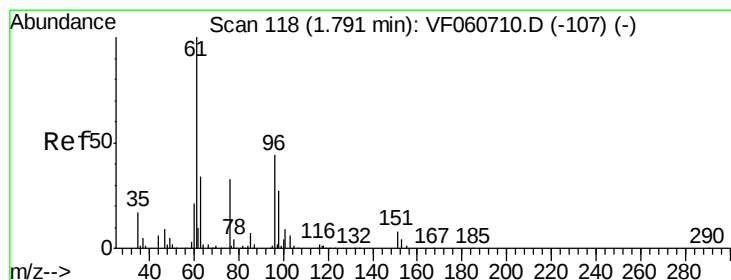
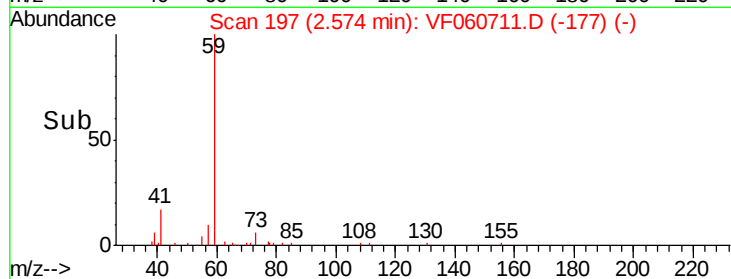
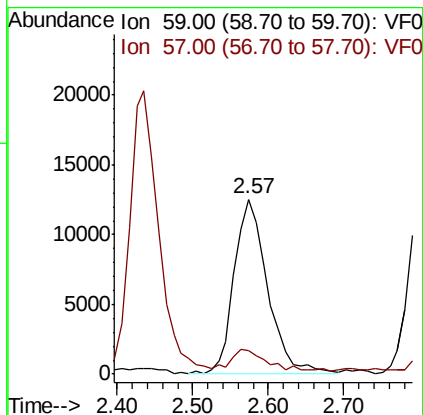
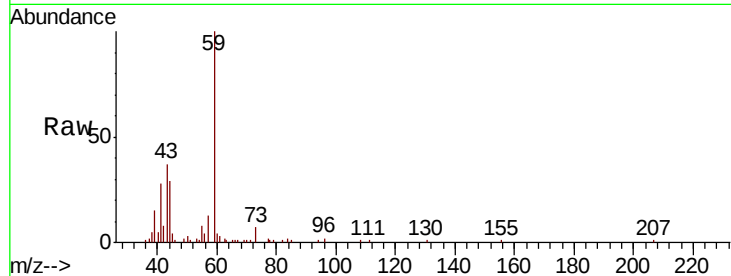
Tert butyl alcohol
Concen: 350.365 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	10.5	15.7

Manual Integrations
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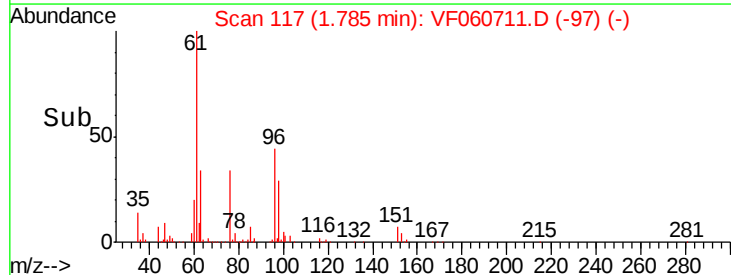
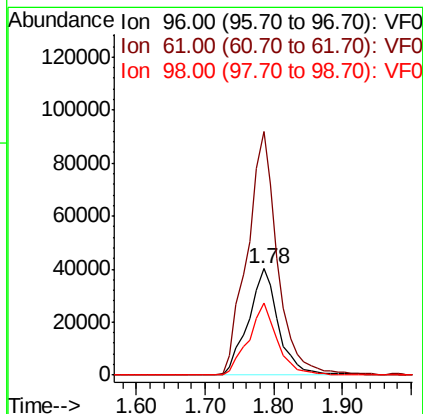
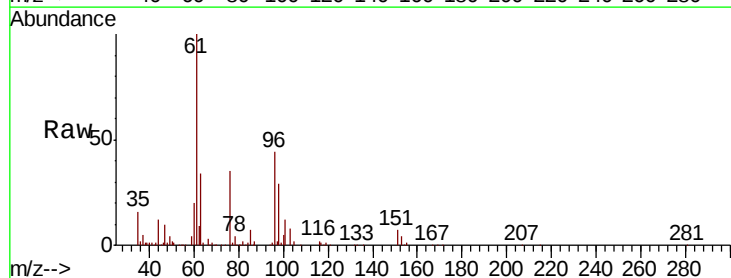
MMDadoda
11/14/2018 12:55:32 PM

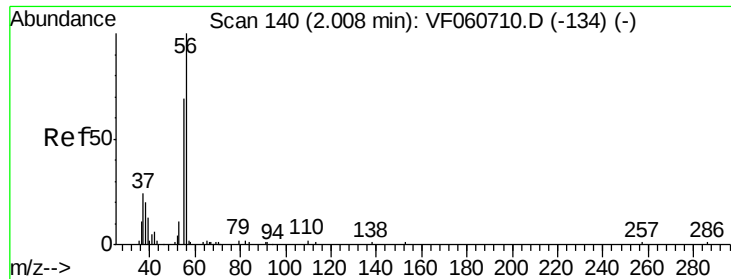


#12

1,1-Dichloroethene
Concen: 70.647 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.4	182.2	273.2
98	67.2	49.2	73.8





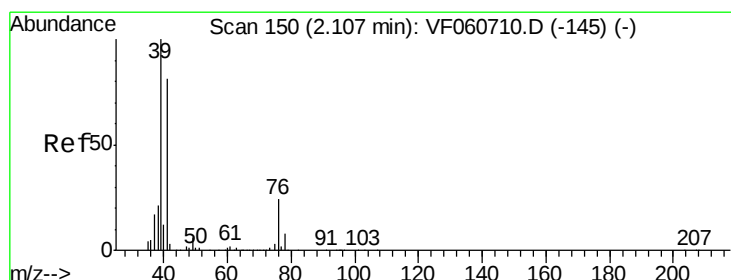
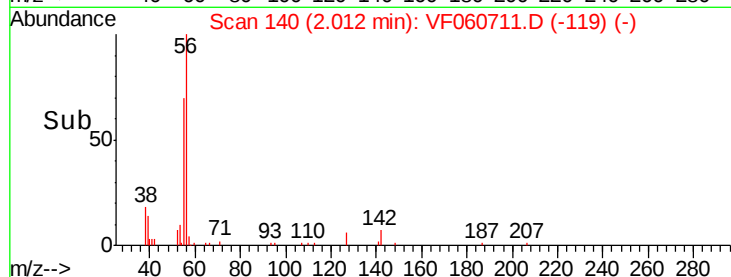
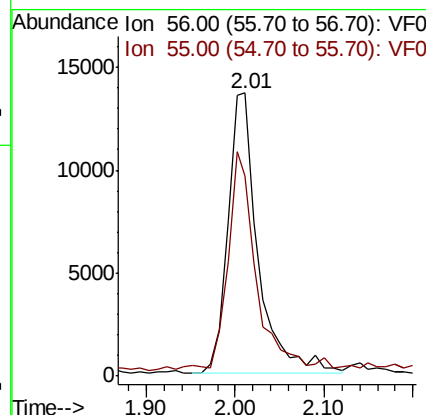
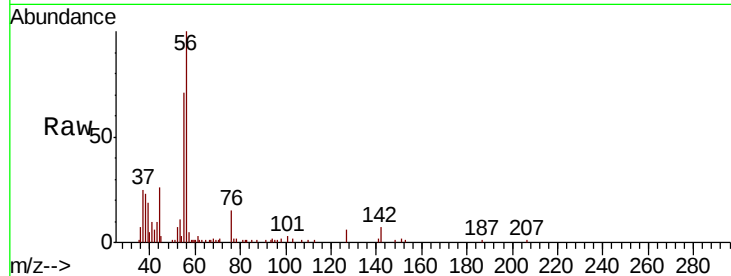
#13
Acrolein
Concen: 325.161 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.6	85.0

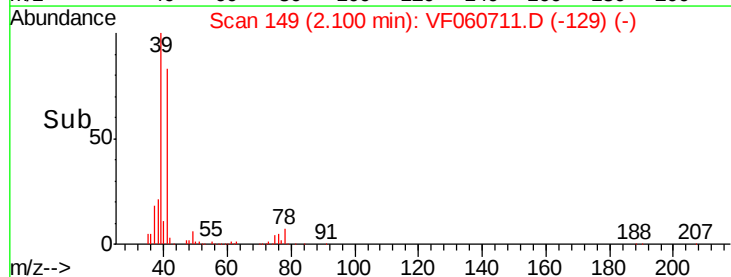
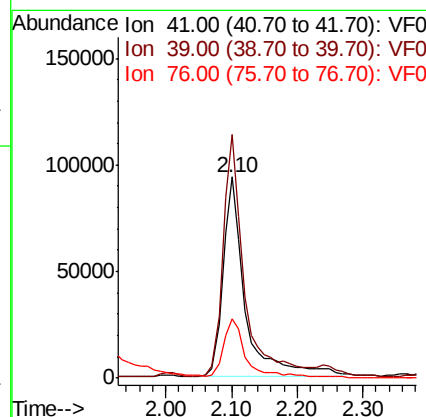
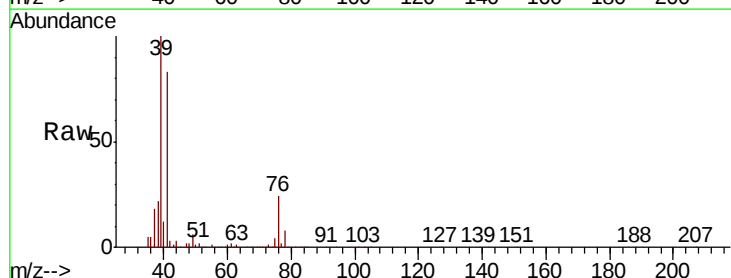
Manual Integrations
APPROVED

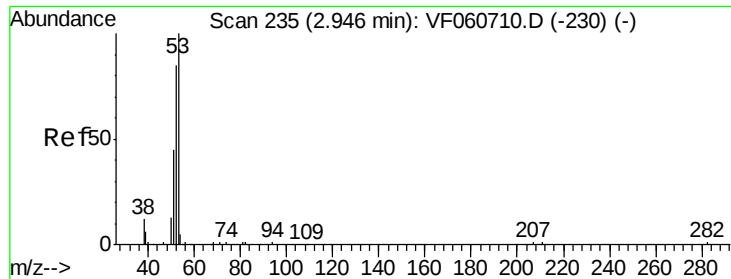
MMDadoda
11/14/2018 12:55:32 PM



#14
Allyl chloride
Concen: 72.494 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	121.0	98.5	147.7
76	29.3	24.5	36.7





#15

Acrylonitrile

Concen: 333.564 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

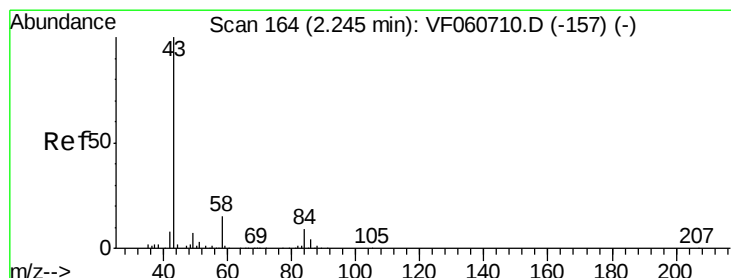
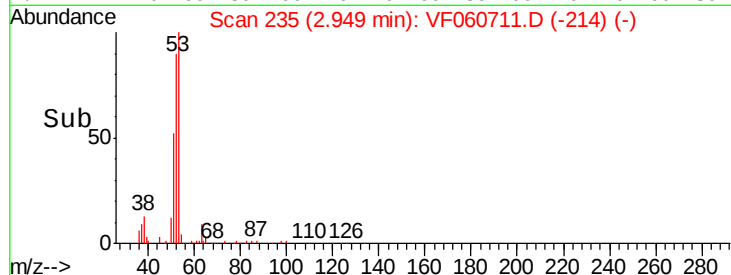
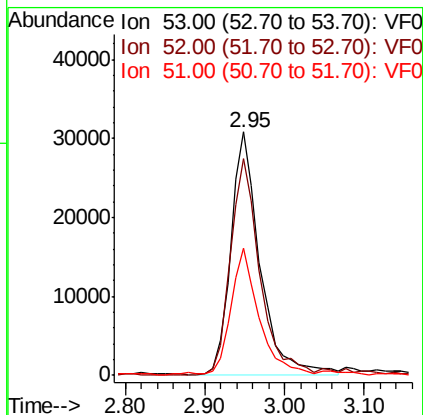
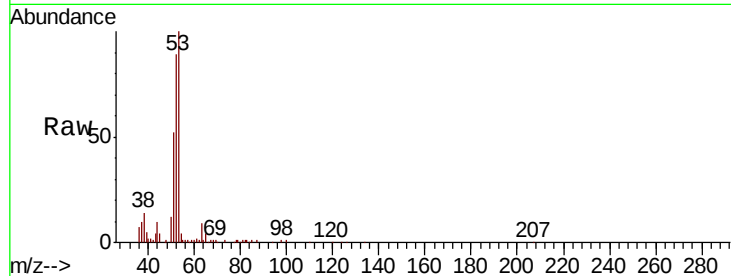
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	78159
Ion	Ratio	Lower	Upper
53	100		
52	88.9	68.8	103.2
51	52.3	36.7	55.1

Manual Integrations
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#16

Acetone

Concen: 365.153 ug/l

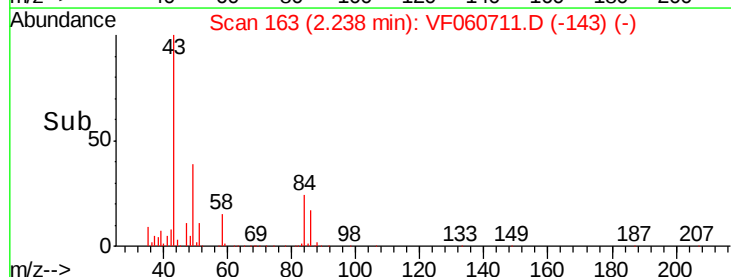
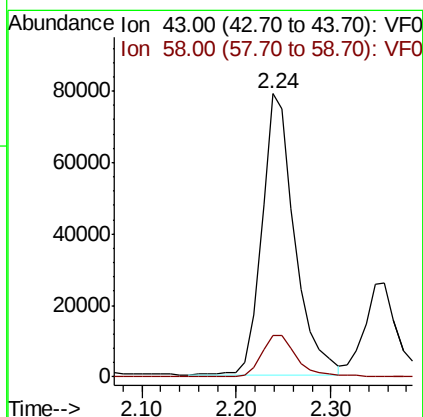
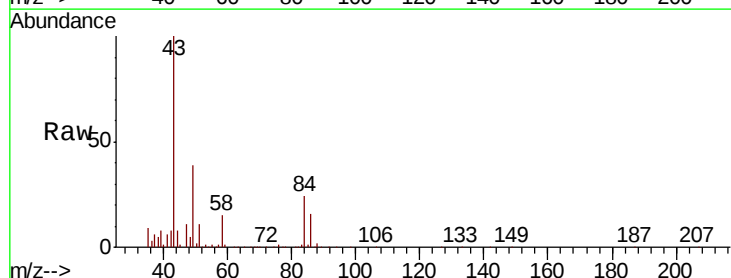
RT: 2.24 min Scan# 163

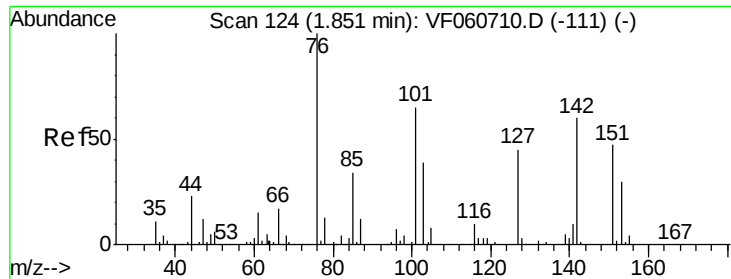
Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	43	Resp:	188580
Ion	Ratio	Lower	Upper
43	100		
58	14.9	11.6	17.4





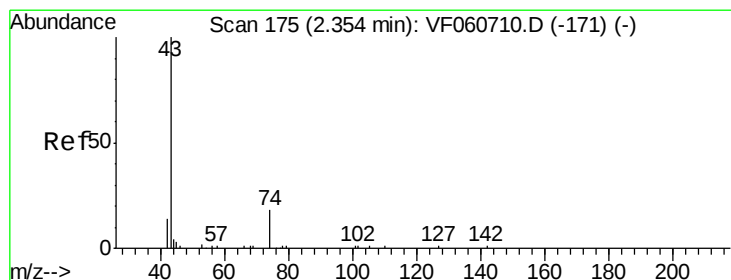
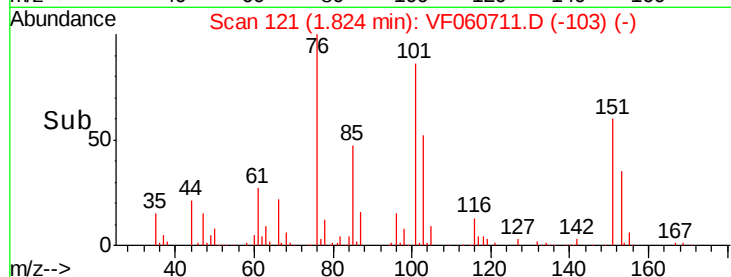
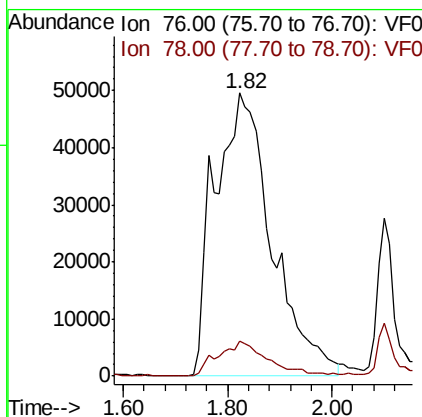
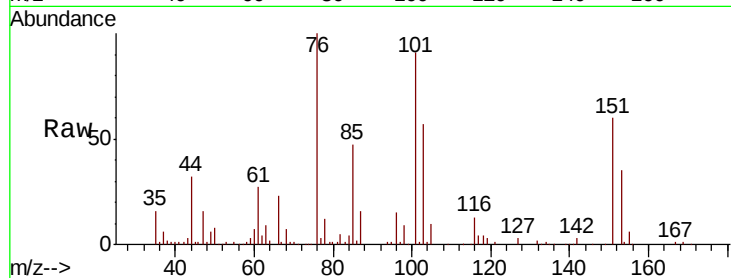
#17
Carbon Disulfide
Concen: 71.321 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 372282
Ion Ratio Lower Upper
76 100
78 12.4 10.5 15.7

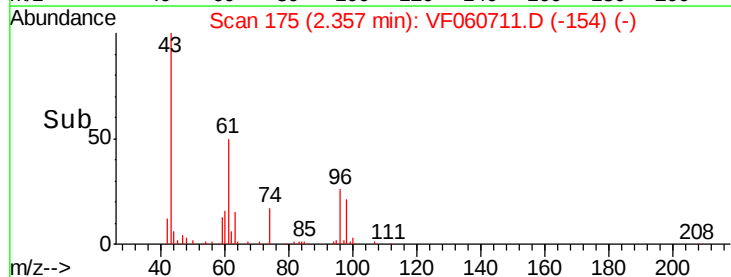
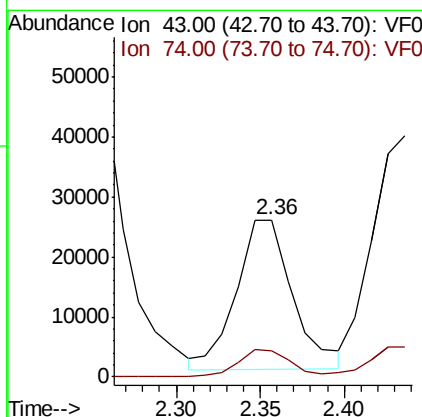
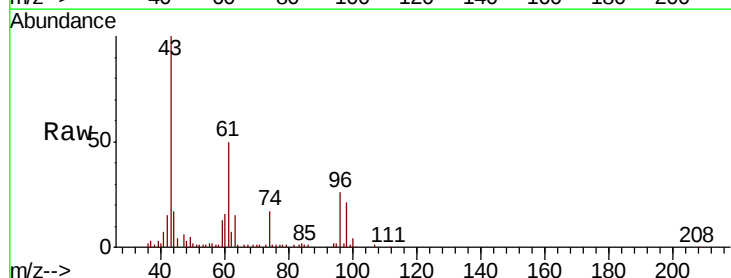
Manual Integrations
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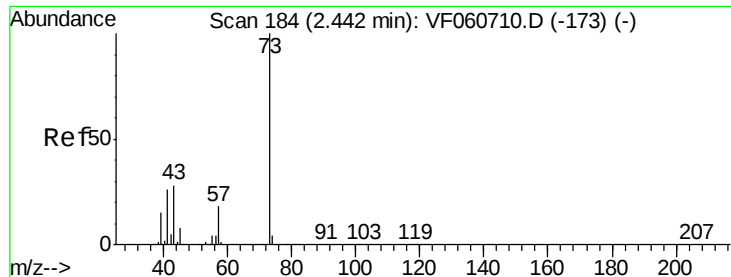
MMDadoda
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#18
Methyl Acetate
Concen: 63.682 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 43 Resp: 58672
Ion Ratio Lower Upper
43 100
74 16.9 11.8 17.8





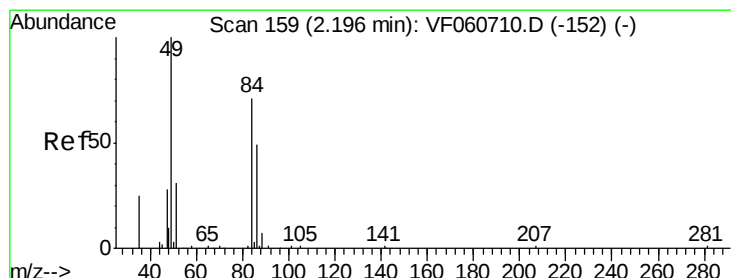
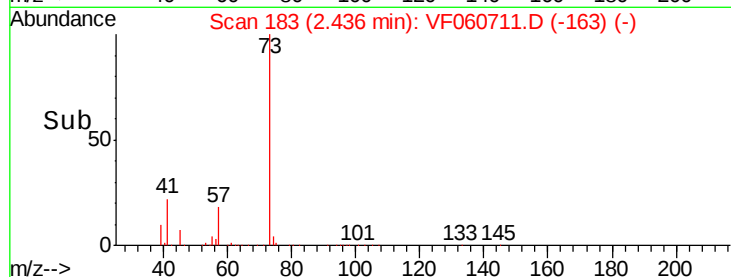
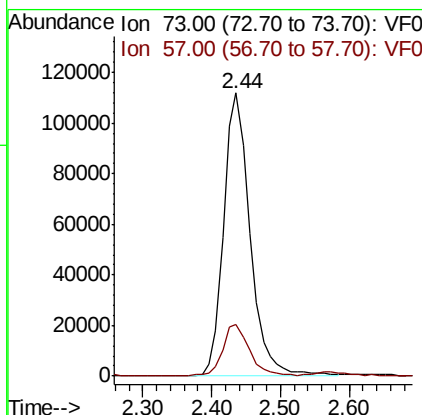
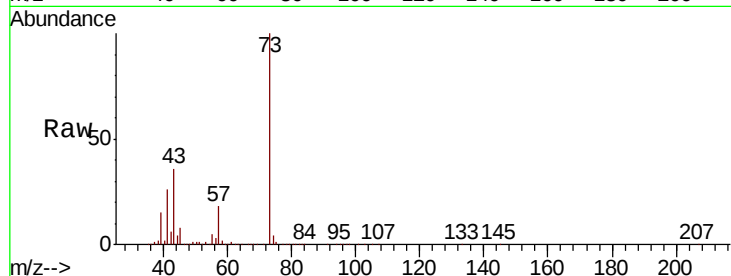
#19
Methvl tert-butvl Ether
Concen: 72.275 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 299648
Ion Ratio Lower Upper
73 100
57 18.1 14.3 21.5

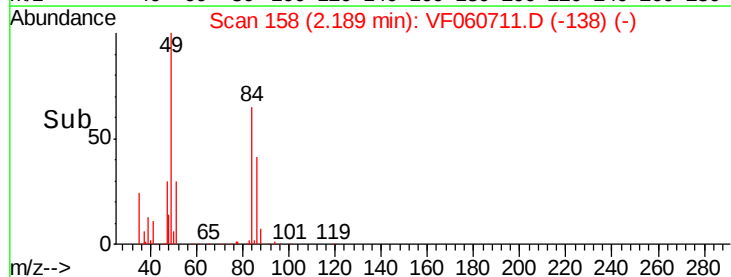
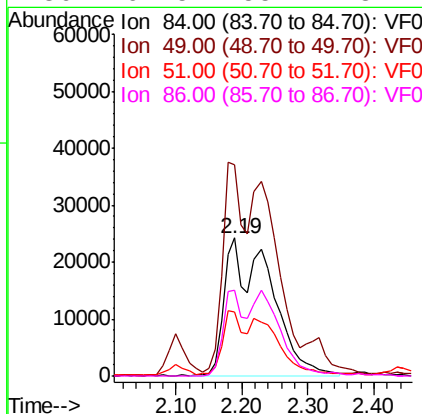
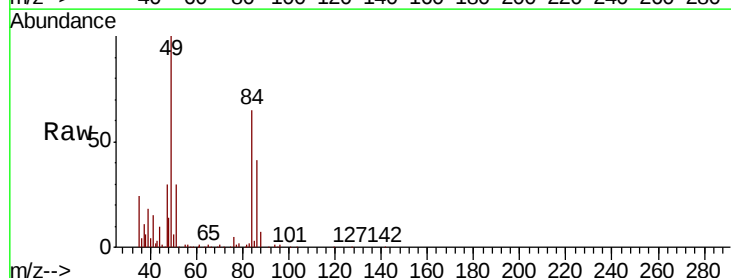
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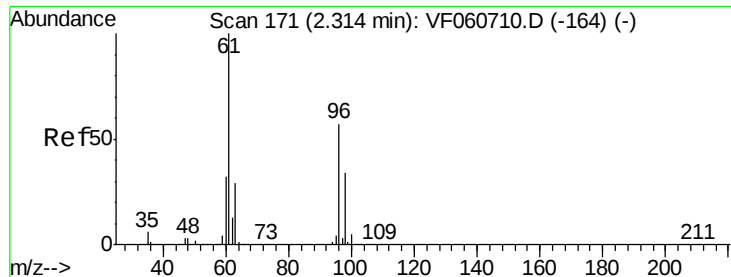
MMDadoda
11/14/2018 12:55:32 PM



#20
Methylene Chloride
Concen: 59.678 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 84 Resp: 116565
Ion Ratio Lower Upper
84 100
49 153.1 120.2 180.4
51 46.1 37.2 55.8
86 62.5 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 70.222 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

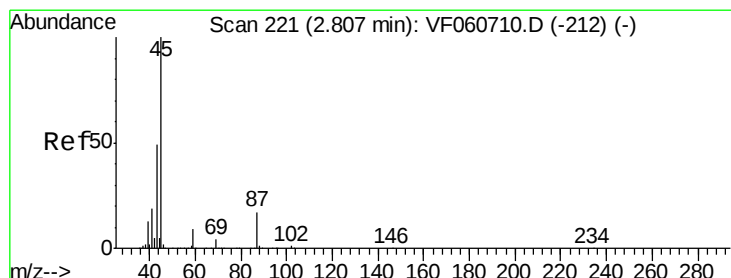
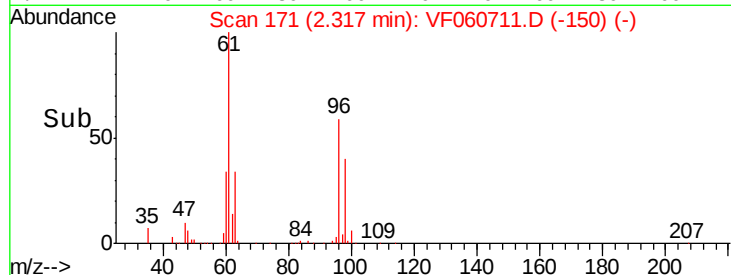
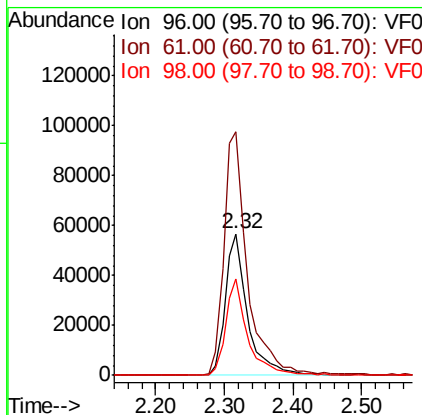
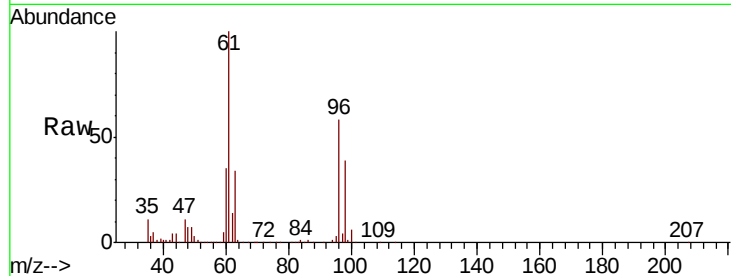
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	126792
Ion	Ratio	Lower	Upper
96	100		
61	172.4	141.6	212.4
98	68.0	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 70.752 ug/l

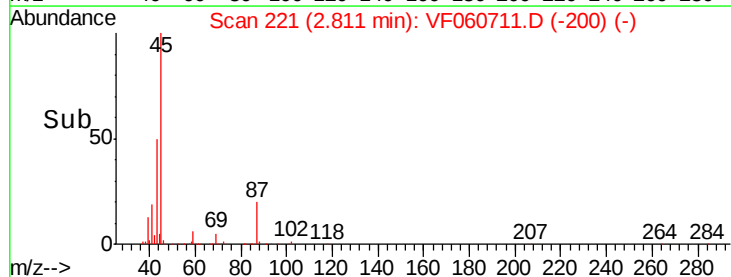
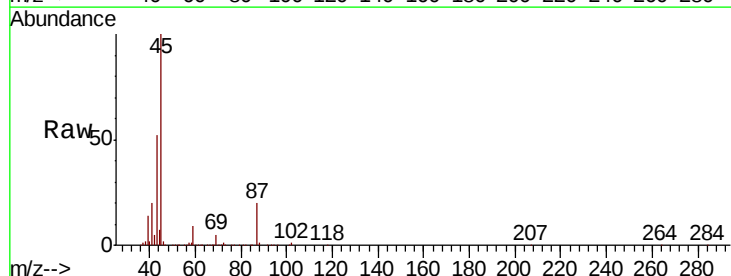
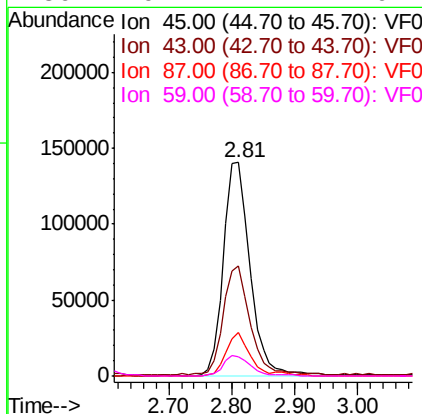
RT: 2.81 min Scan# 221

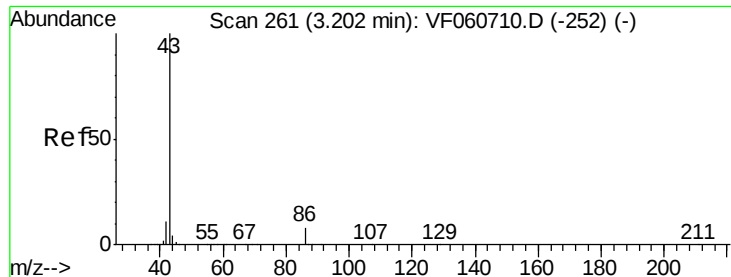
Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	45	Resp:	413557
Ion	Ratio	Lower	Upper
45	100		
43	51.8	39.9	59.9
87	20.4	13.9	20.9
59	9.2	7.1	10.7





#23

Vinyl Acetate

Concen: 365.078 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1004870

Ion Ratio Lower Upper

43 100

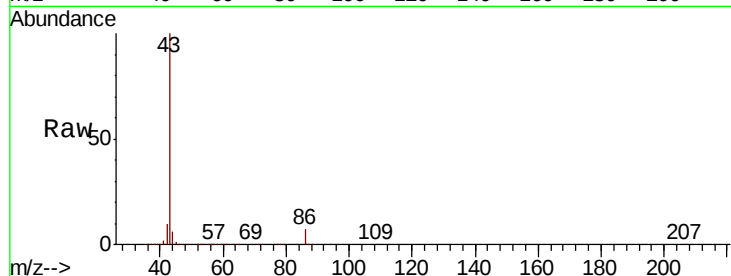
86 7.1 6.4 9.6

Manual Integrations

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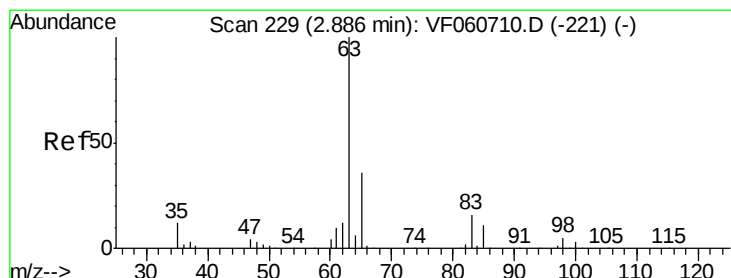
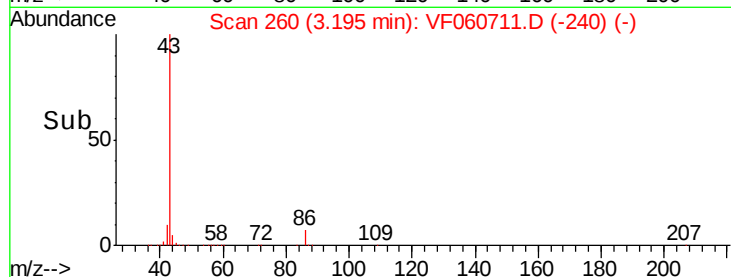
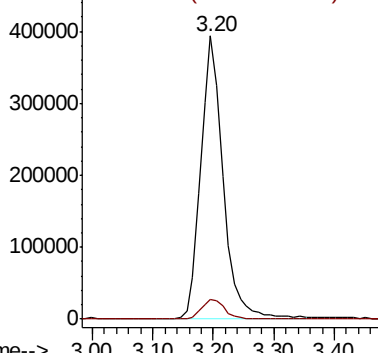
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 71.653 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

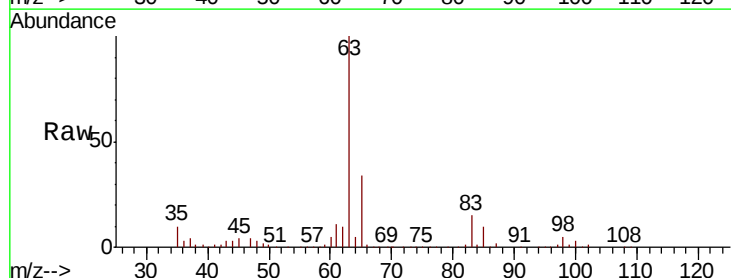
Tgt Ion: 63 Resp: 253564

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.1

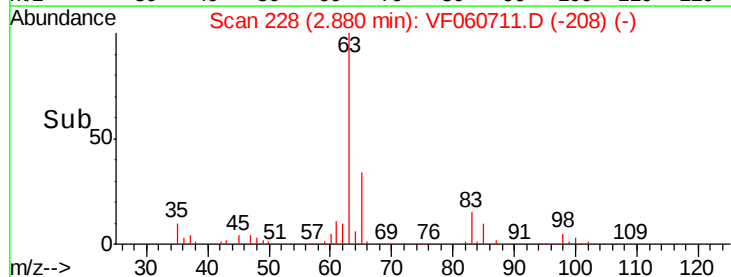
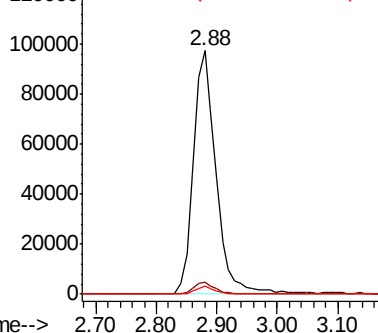
100 3.4 1.4 4.2

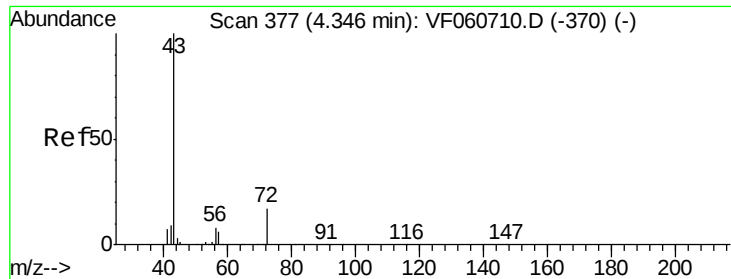


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 363.348 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 308650

Ion Ratio Lower Upper

43 100

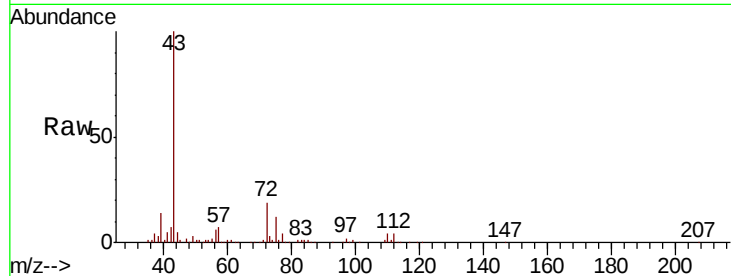
72 19.0 16.1 24.1

Manual Integrations

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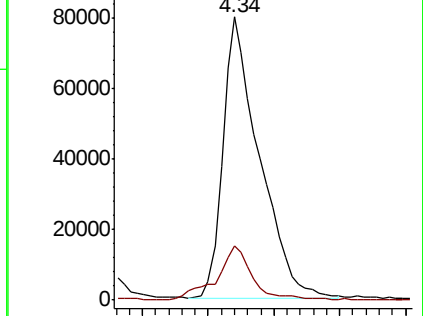
MMDadoda

11/14/2018 12:55:32 PM

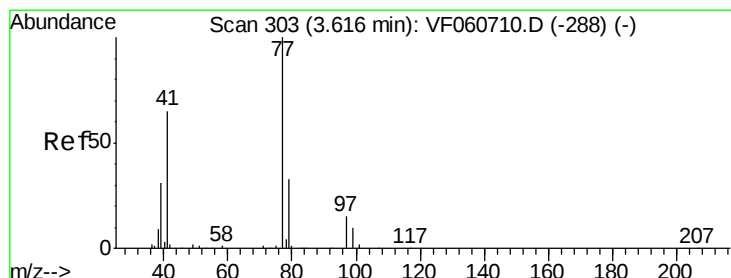
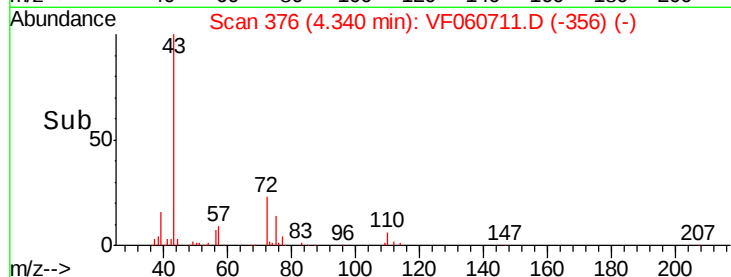


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#26

2,2-Dichloropropane

Concen: 70.573 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060711.D

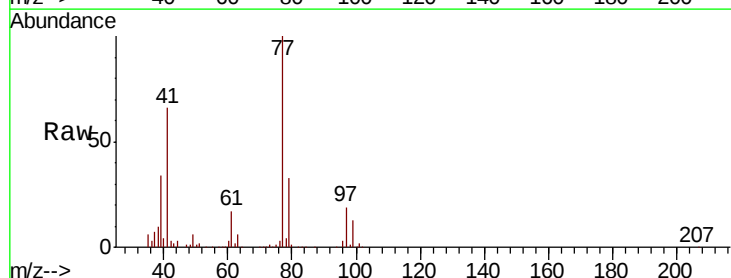
Acq: 13 Nov 2018 13:33

Tgt Ion: 77 Resp: 196528

Ion Ratio Lower Upper

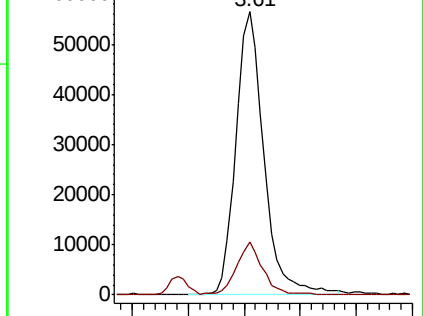
77 100

97 18.9 8.8 26.5

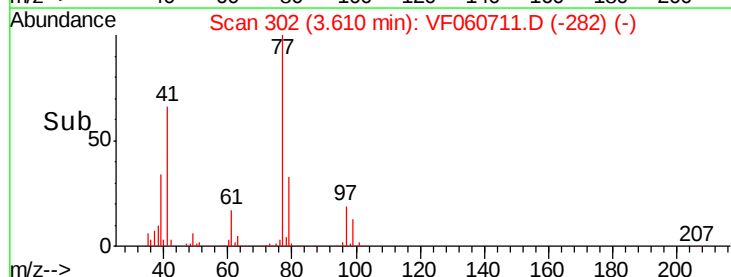


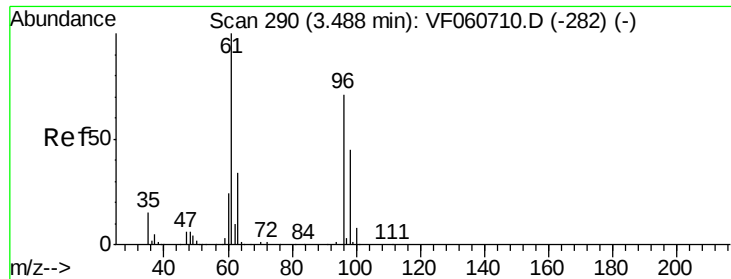
Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->





#27

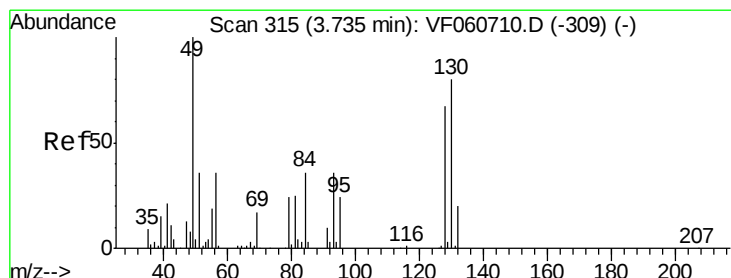
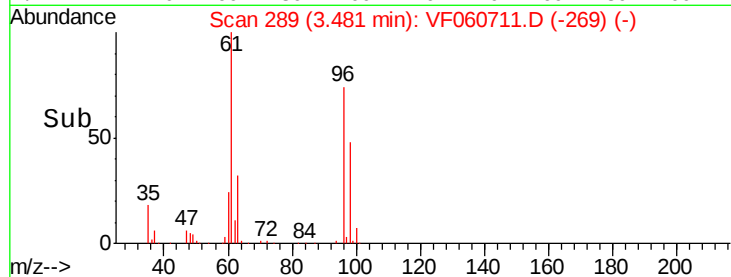
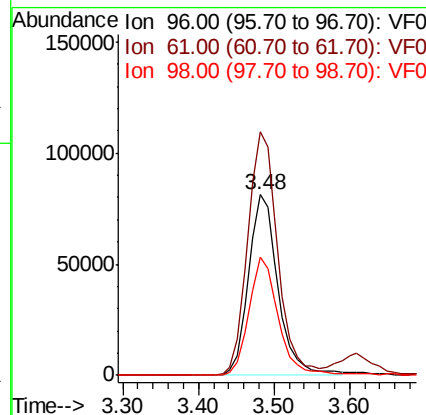
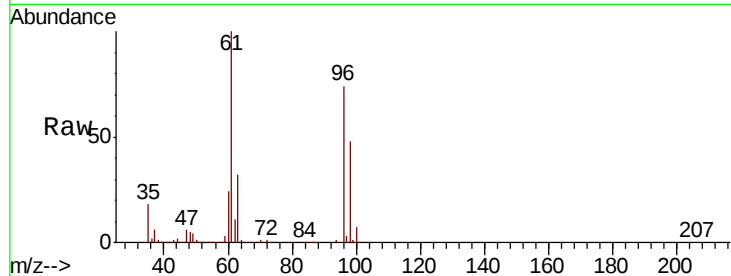
cis-1,2-Dichloroethene
Concen: 71.580 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219862		
61	135.1	0.0	280.6	
98	65.3	0.0	127.6	

Manual Integrations
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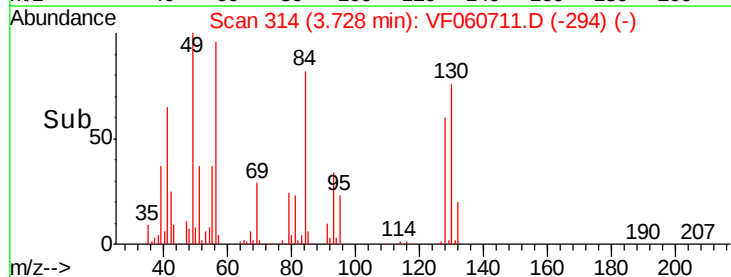
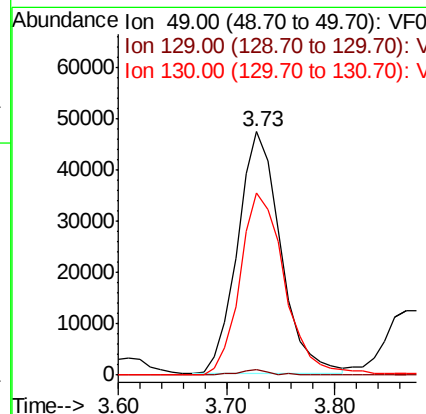
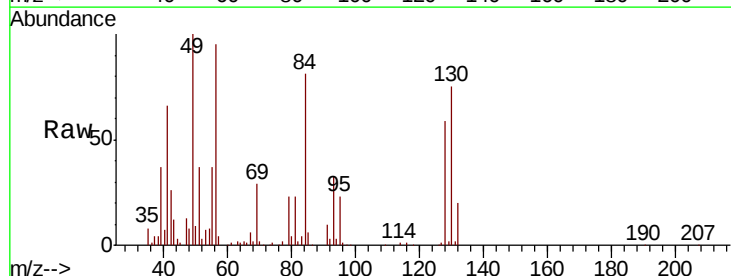
MMDadoda
11/14/2018 12:55:32 PM

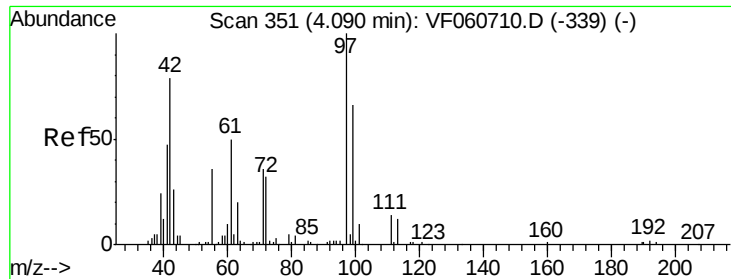


#28

Bromochloromethane
Concen: 71.478 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131454		
129	2.5	0.0	5.2	
130	75.1	63.9	95.9	





#29

Tetrahydrofuran

Concen: 349.627 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

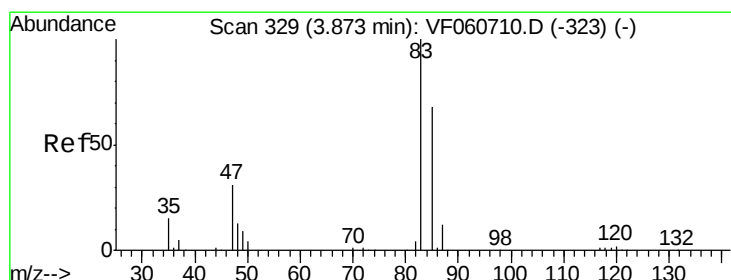
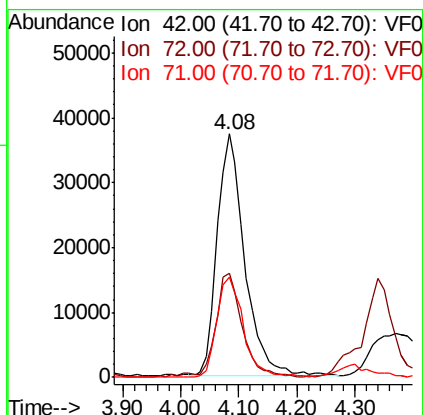
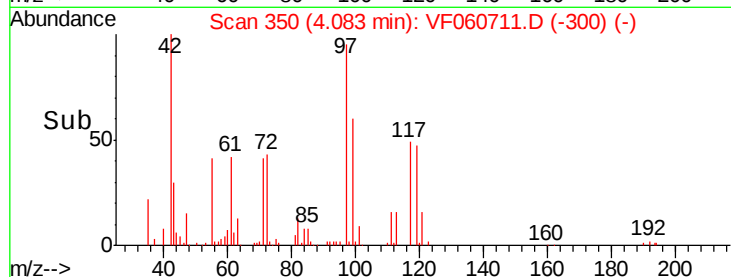
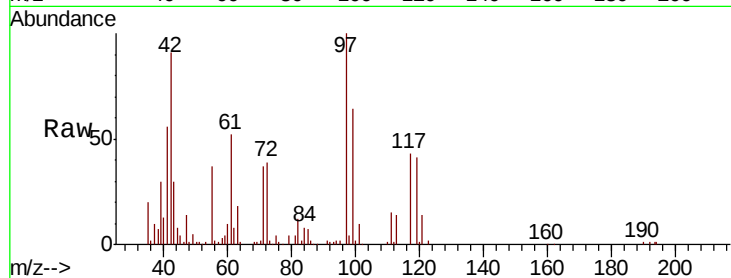
ClientSampleId :

VSTDIC075

Tot Ion:	42	Resp:	122505
Ion Ratio		Lower	Upper
42	100		
72	40.5	30.3	45.5
71	40.5	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 69.819 ug/l

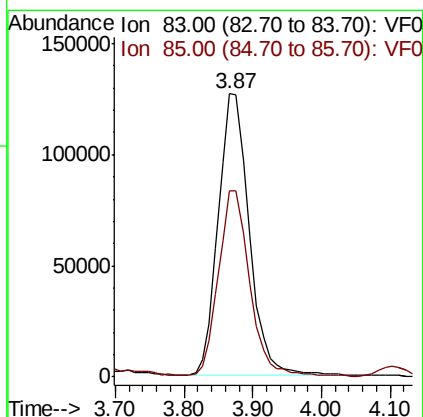
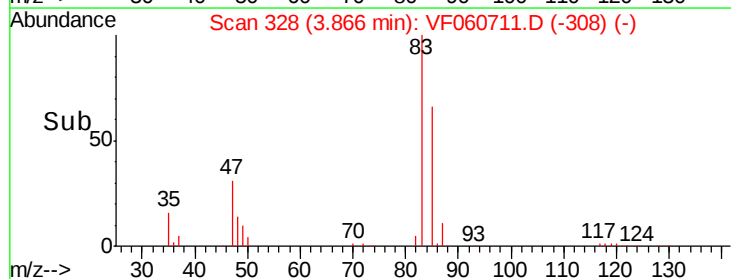
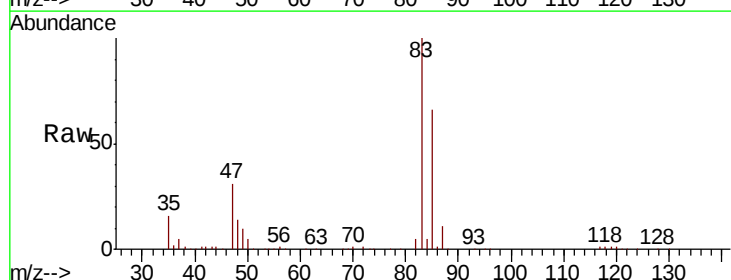
RT: 3.87 min Scan# 328

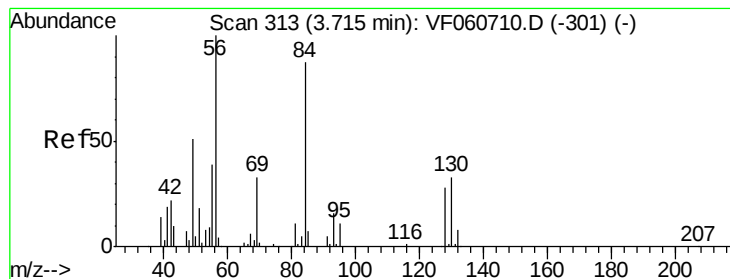
Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	83	Resp:	396419
Ion Ratio		Lower	Upper
83	100		
85	65.9	54.6	82.0





#31

Cyclohexane

Concen: 68.710 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

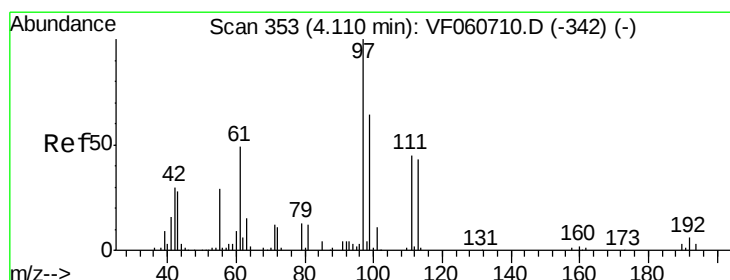
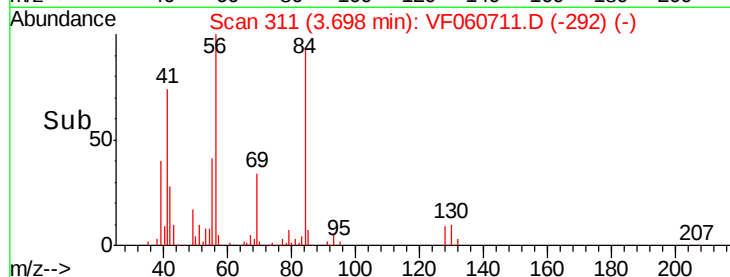
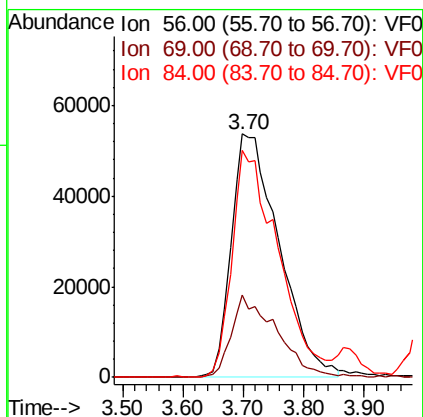
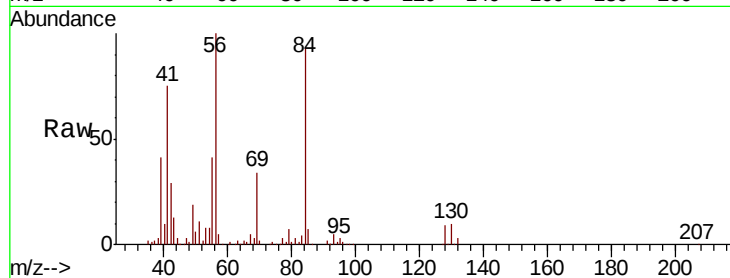
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	295106
Ion Ratio		Lower	Upper
56	100		
69	33.6	26.0	39.0
84	93.2	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 71.459 ug/l

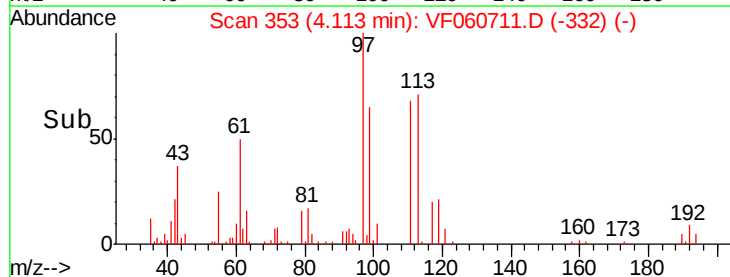
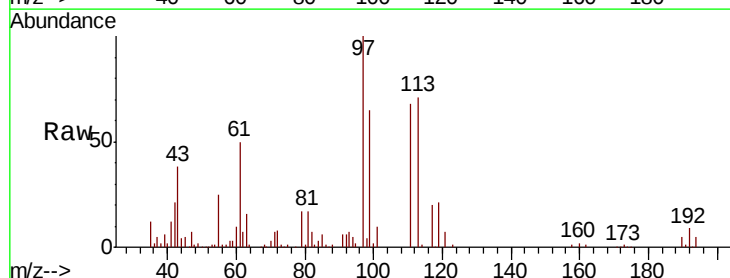
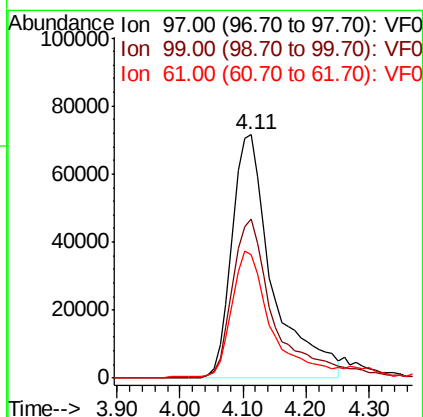
RT: 4.11 min Scan# 353

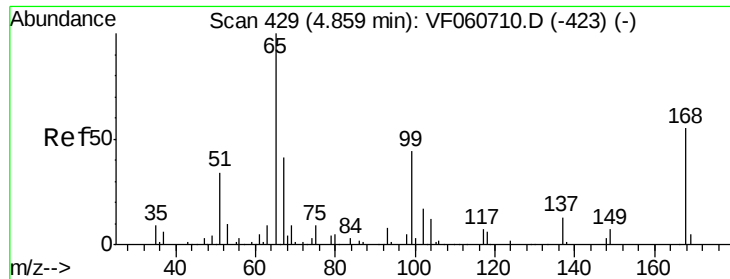
Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	97	Resp:	319509
Ion Ratio		Lower	Upper
97	100		
99	65.5	51.1	76.7
61	50.4	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 69.980 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tot Ion: 65 Resp: 169085

Ion Ratio Lower Upper

65 100

67 45.8 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

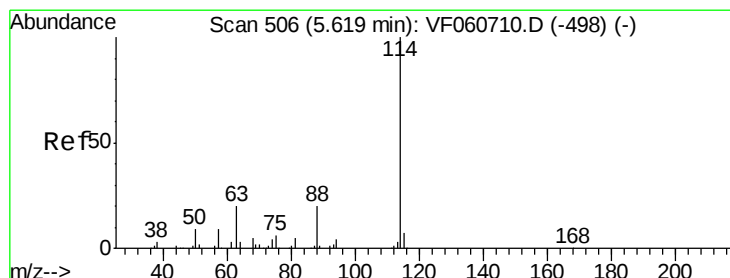
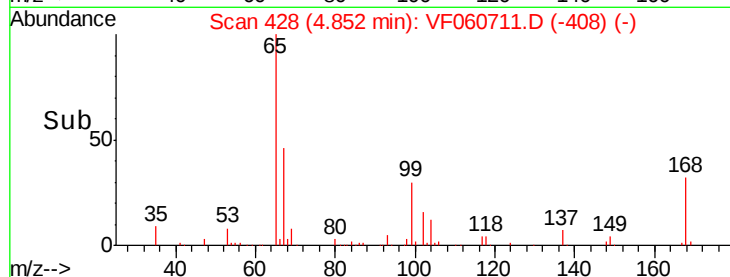
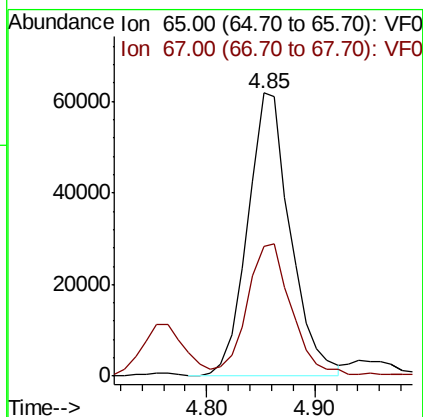
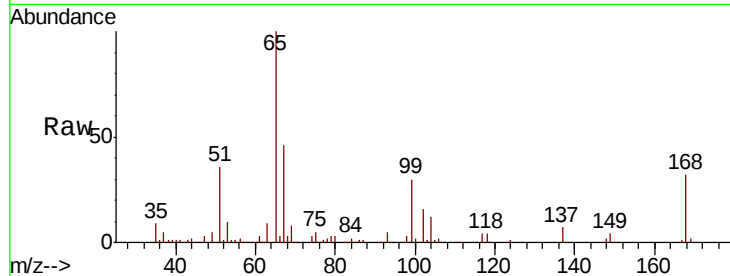
VSTDIC075

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

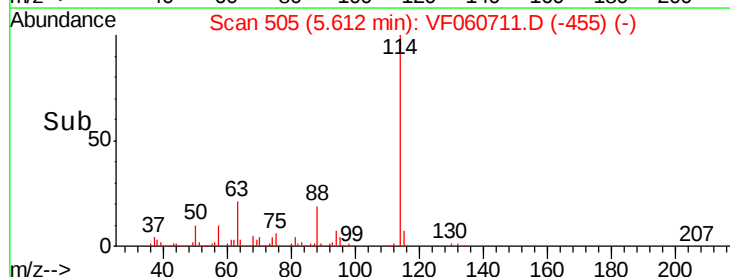
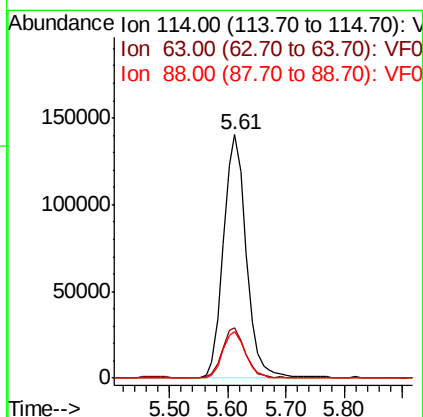
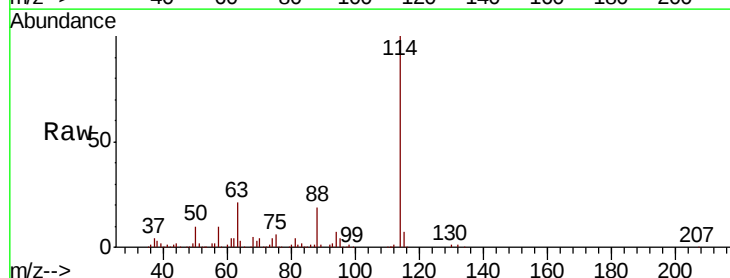
Tgt Ion: 114 Resp: 383439

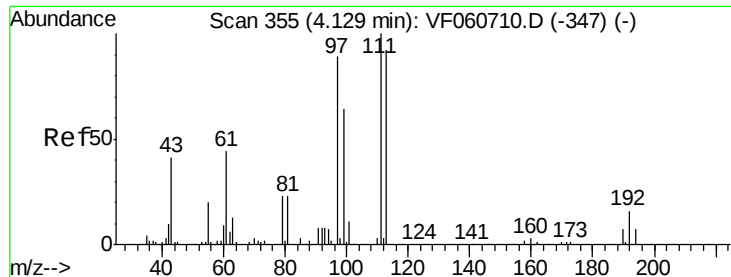
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 18.9 0.0 39.6





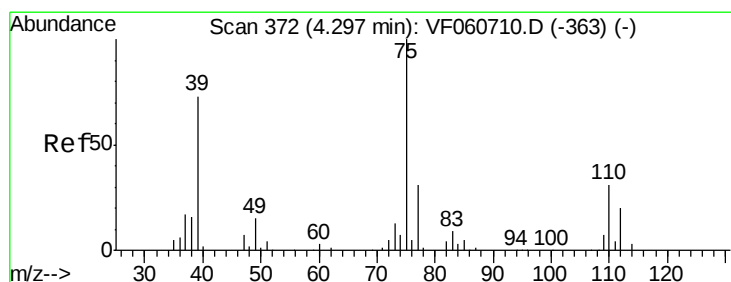
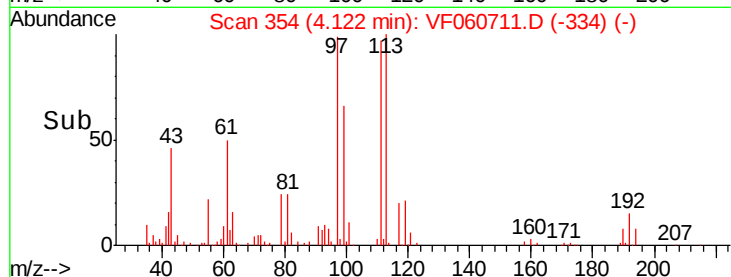
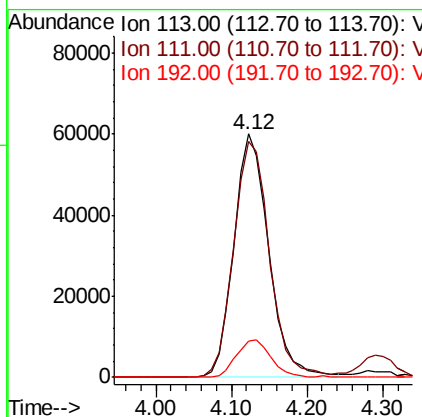
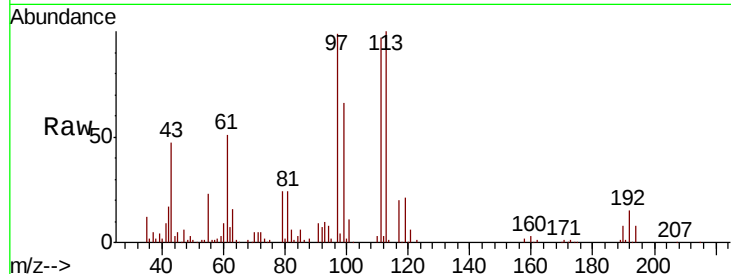
#35
Dibromofluoromethane
Concen: 66.461 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191559		
111	97.2	87.1	130.7	
192	14.8	13.8	20.6	

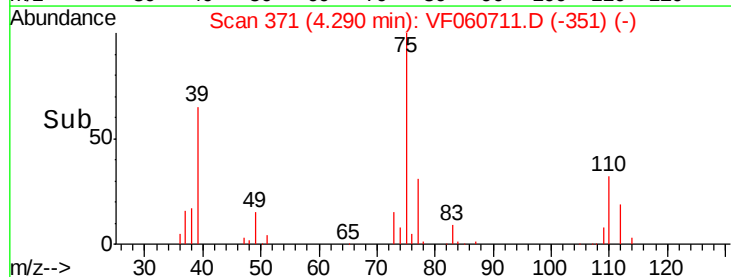
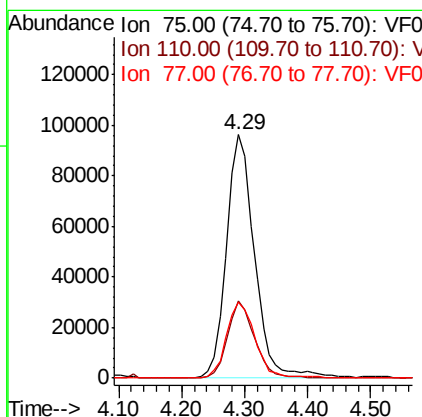
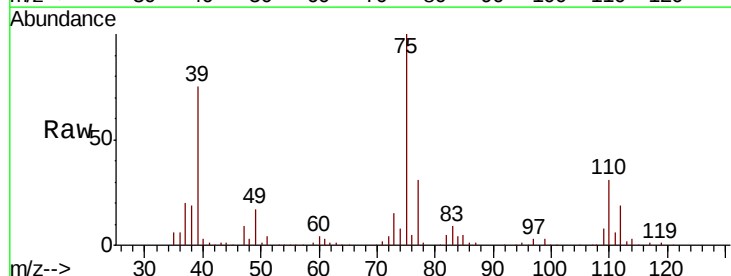
Manual Integrations
APPROVED

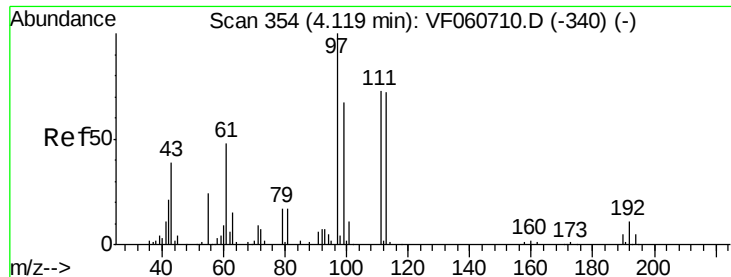
MMDadoda
11/14/2018 12:55:32 PM



#36
1,1-Dichloropropene
Concen: 66.421 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295369		
110	31.5	15.6	46.8	
77	31.1	25.0	37.6	





#37

Ethyl Acetate

Concen: 68.571 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

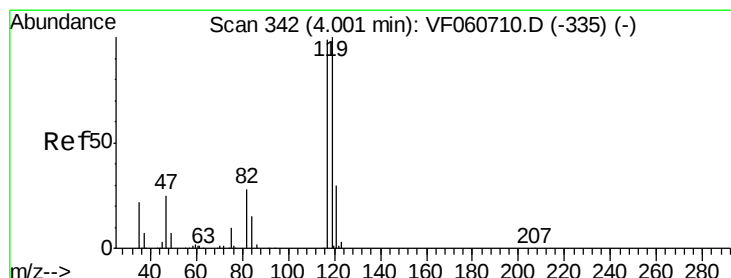
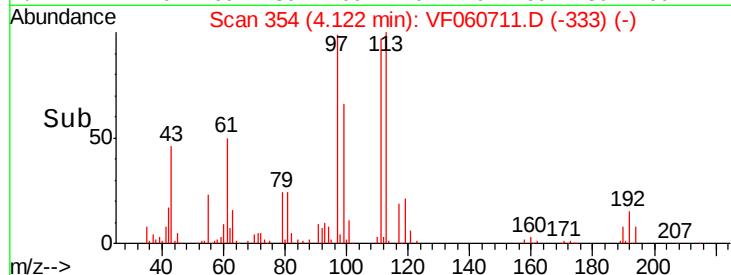
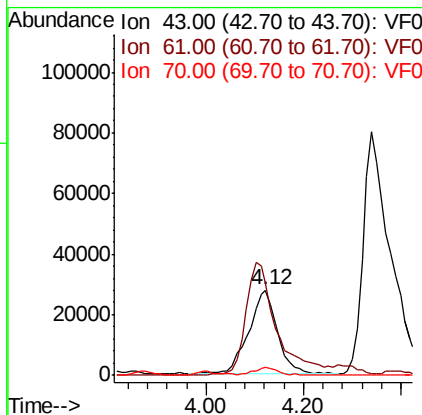
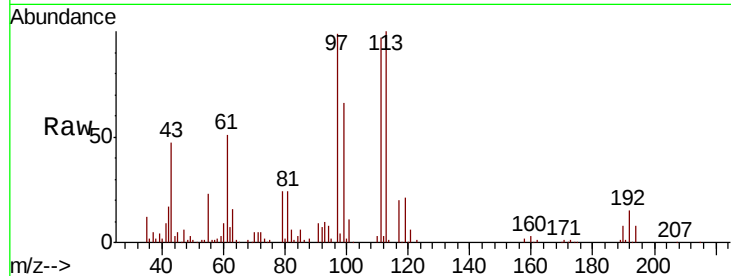
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	113368
Ion	Ratio	Lower	Upper
43	100		
61	108.5	98.5	147.7
70	9.8	7.4	11.0

Manual Integrations
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11/14/2018 12:55:32 PM



#38

Carbon Tetrachloride

Concen: 71.805 ug/l m

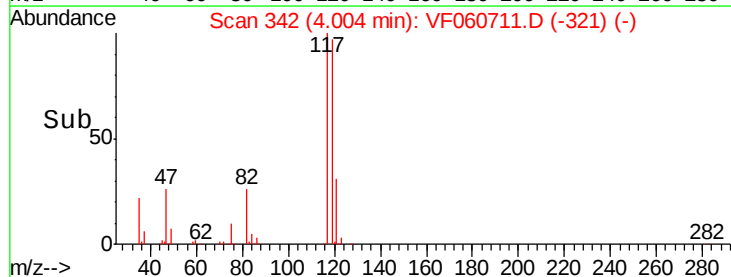
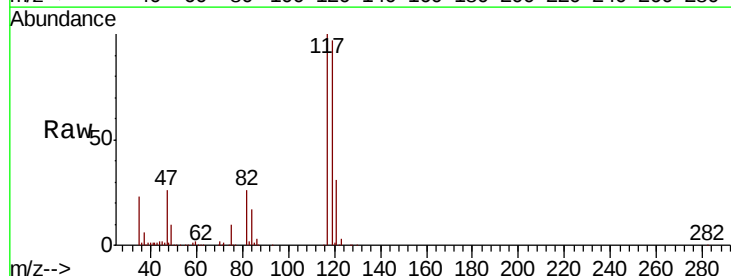
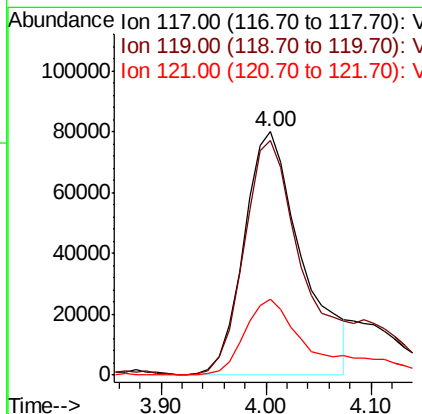
RT: 4.00 min Scan# 342

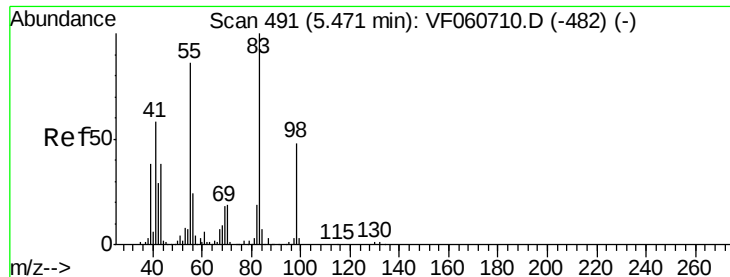
Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	117	Resp:	309837
Ion	Ratio	Lower	Upper
117	100		
119	96.6	80.7	121.1
121	31.2	24.3	36.5





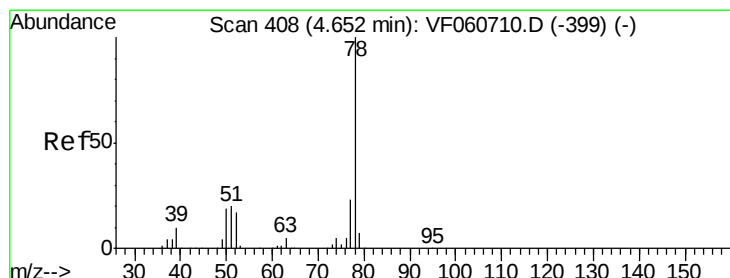
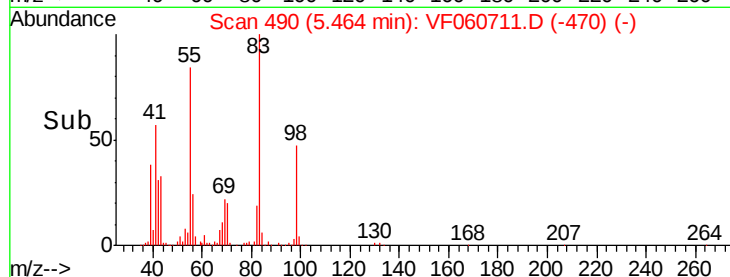
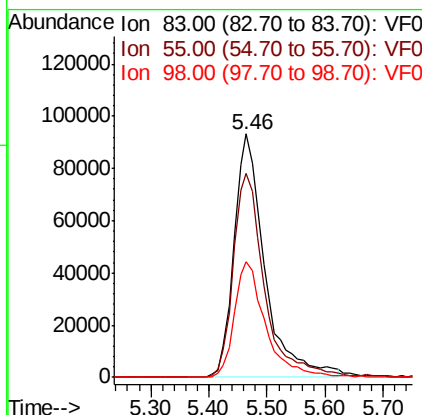
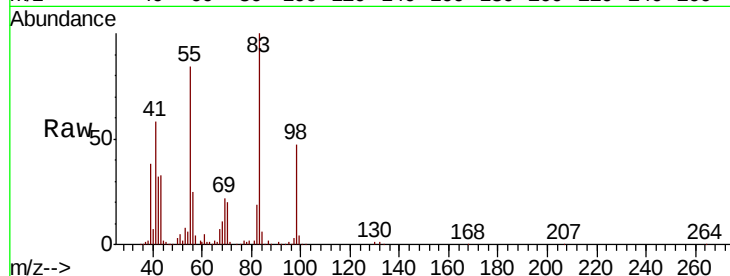
#39
Methylvlcyclohexane
Concen: 66.449 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	69.0	103.4
98	47.3	38.5	57.7

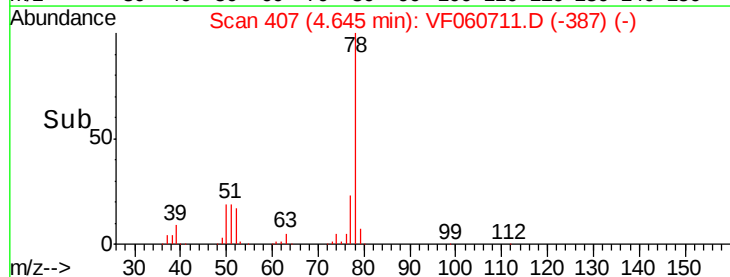
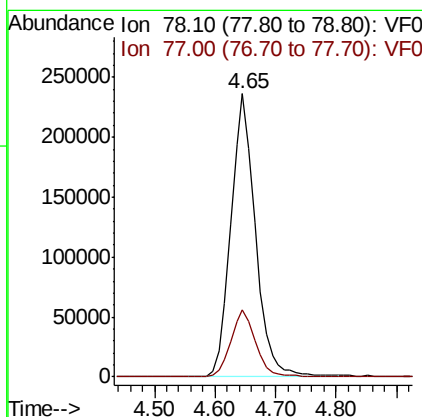
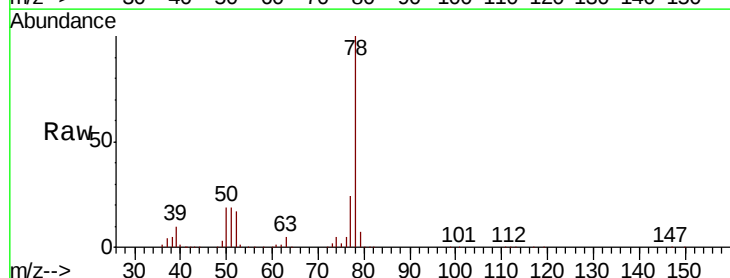
Manual Integrations
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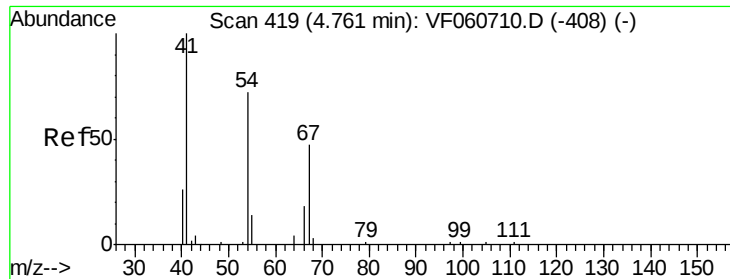
MMDadoda
11/14/2018 12:55:32 PM



#40
Benzene
Concen: 67.322 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





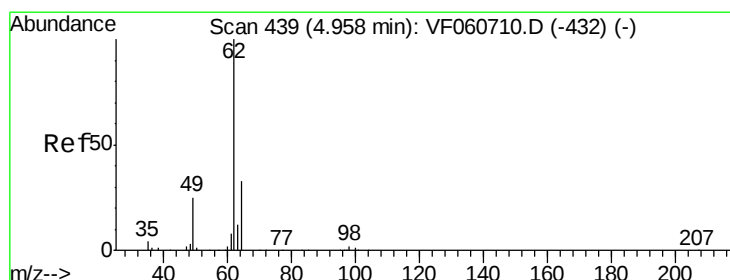
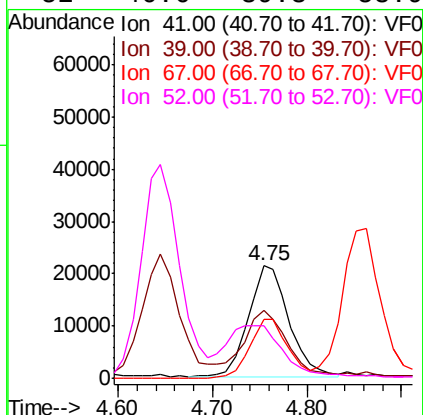
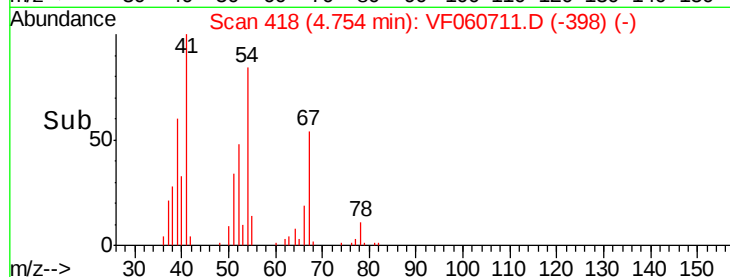
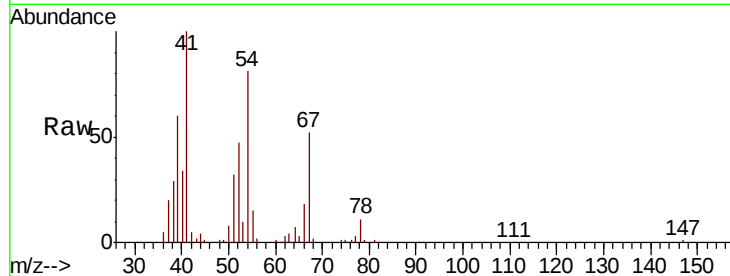
#41
Methacrylonitrile
Concen: 62.352 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:	41	Resp:	62449
Ion	Ratio	Lower	Upper
41	100		
39	60.2	47.1	70.7
67	52.0	37.1	55.7
52	46.6	39.3	58.9

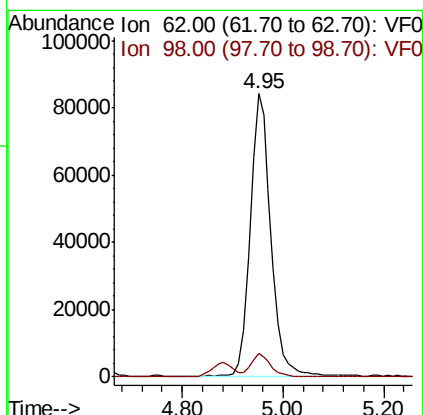
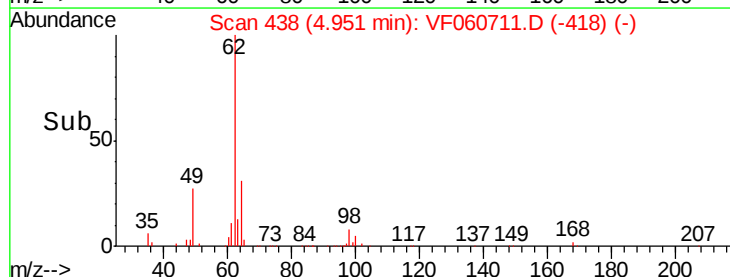
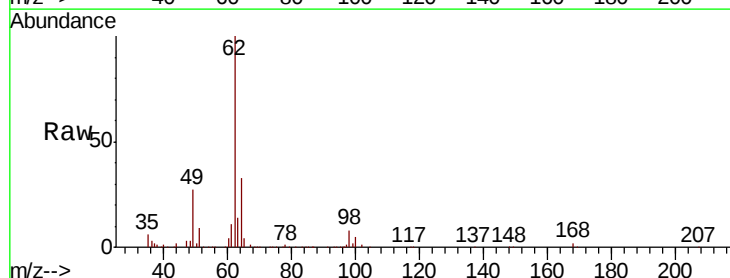
Manual Integrations
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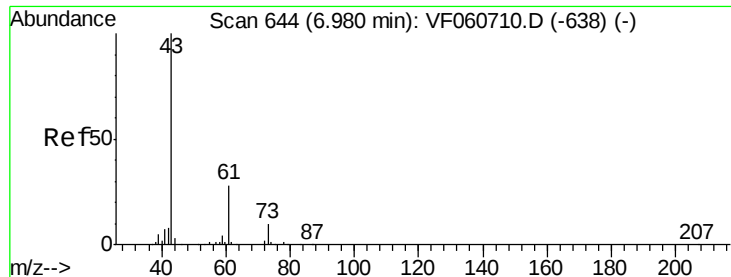
MMDadoda
11/14/2018 12:55:32 PM



#42
1,2-Dichloroethane
Concen: 70.953 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion:	62	Resp:	243059
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

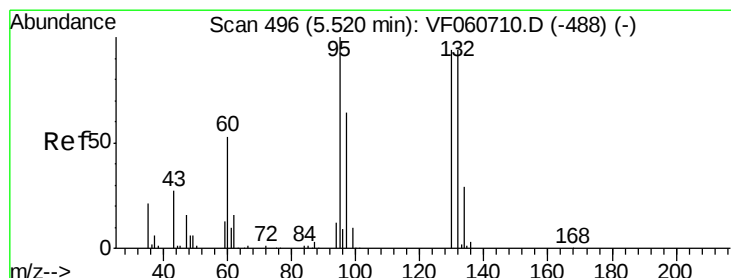
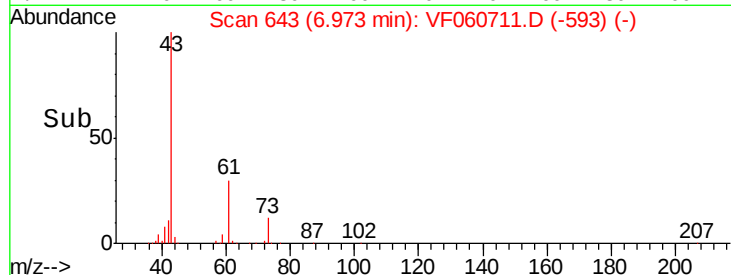
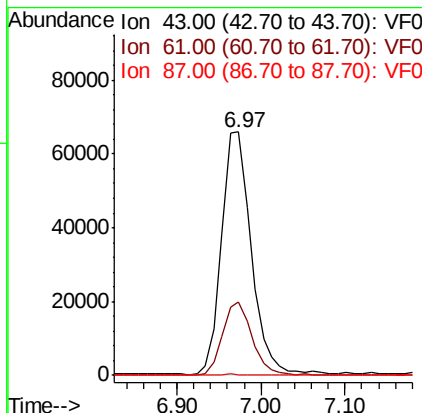
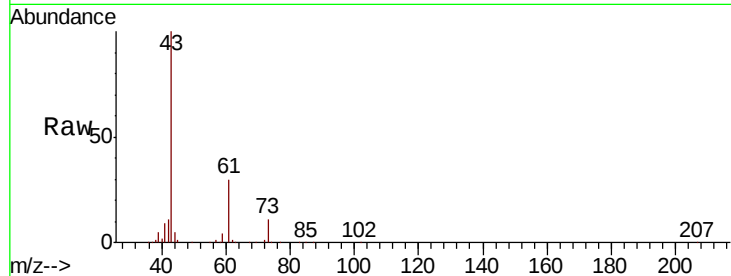
Isopropyl Acetate
 Concen: 73.828 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.2	33.4
87	0.2	0.4	0.6

Manual Integrations
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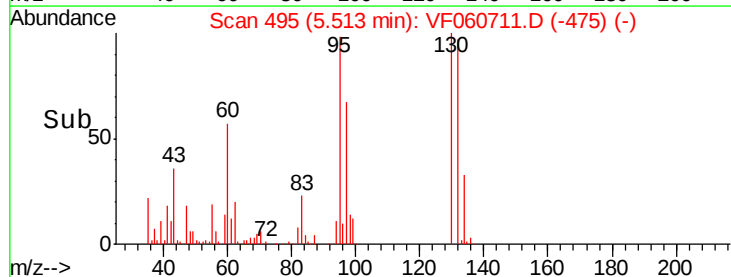
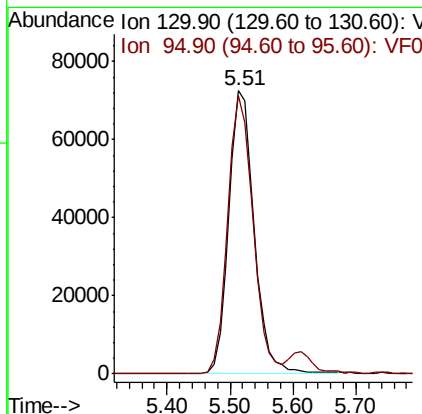
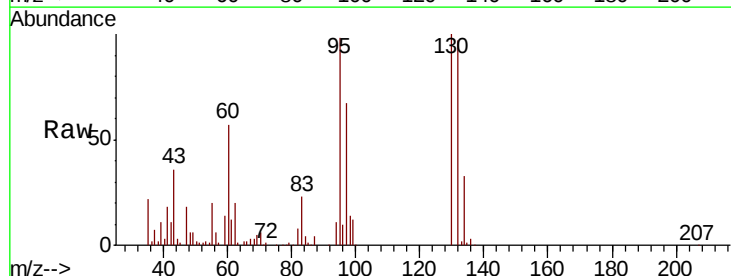
MMDadoda
 11/14/2018 12:55:32 PM

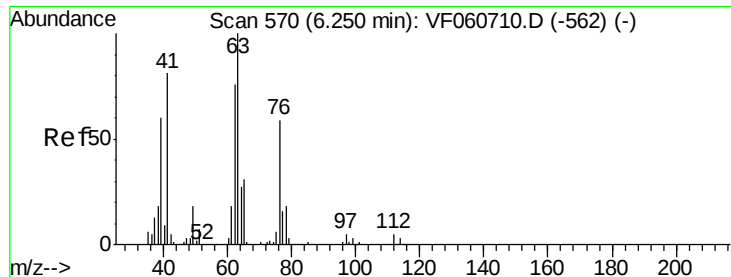


#44

Trichloroethene
 Concen: 64.673 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	212.6





#45

1,2-Dichloropropane

Concen: 67.803 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 174898

Ion Ratio Lower Upper

63 100

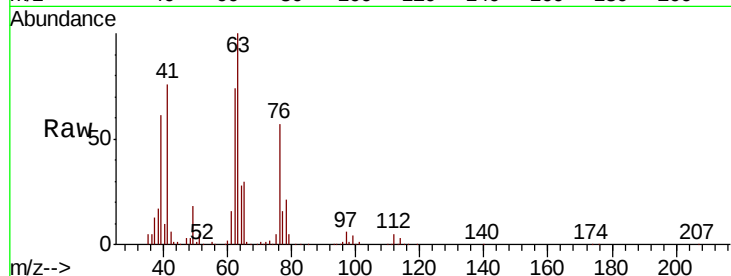
65 30.5 24.6 36.8

Manual Integrations

APPROVED

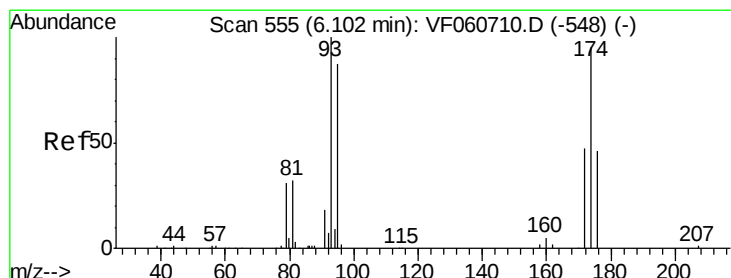
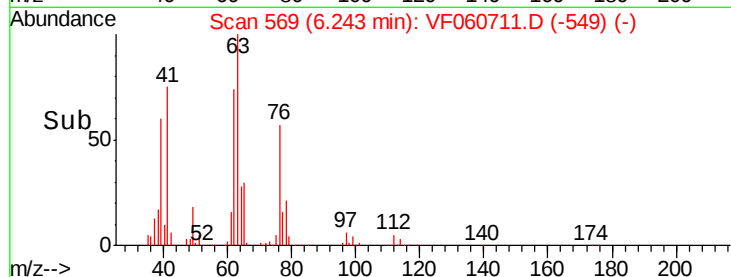
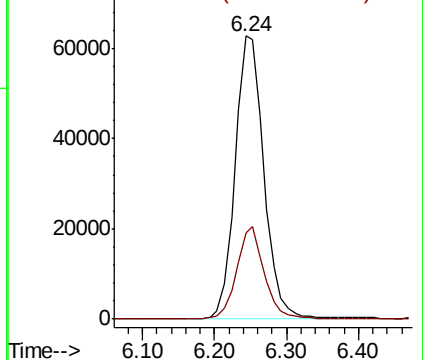
MMDadoda

11/14/2018 12:55:32 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 70.101 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

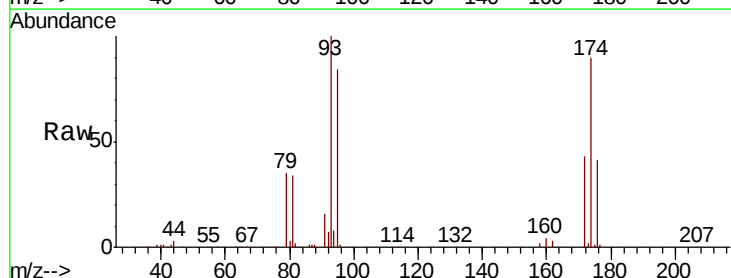
Tgt Ion: 93 Resp: 119365

Ion Ratio Lower Upper

93 100

95 84.1 69.5 104.3

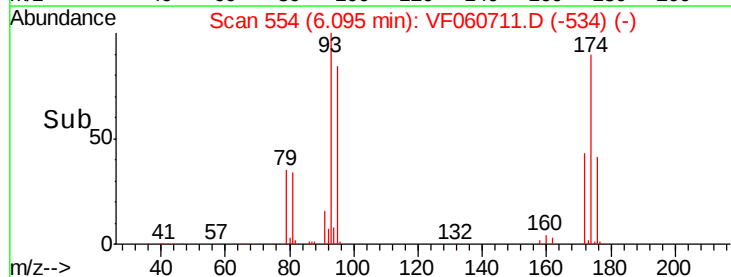
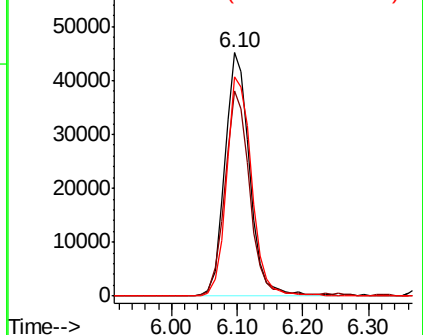
174 90.3 76.2 114.2

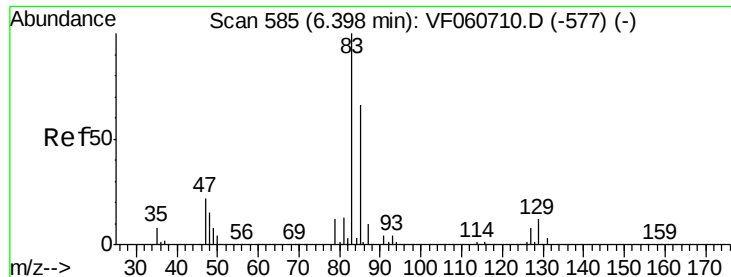


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 68.649 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

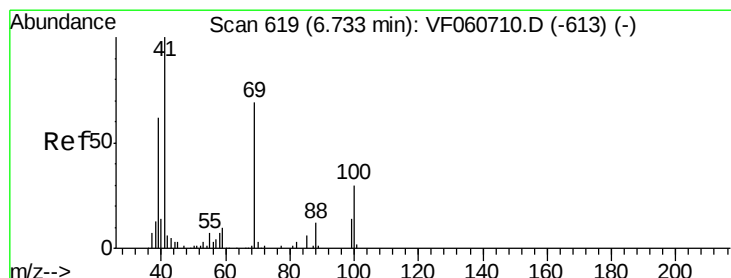
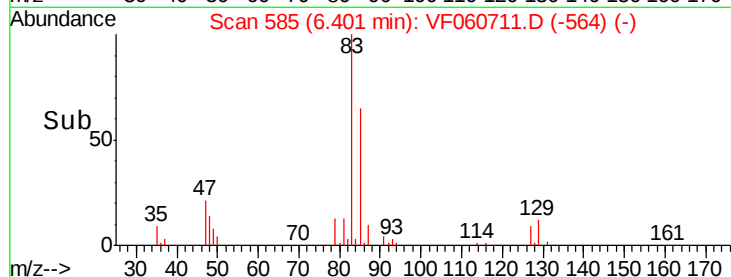
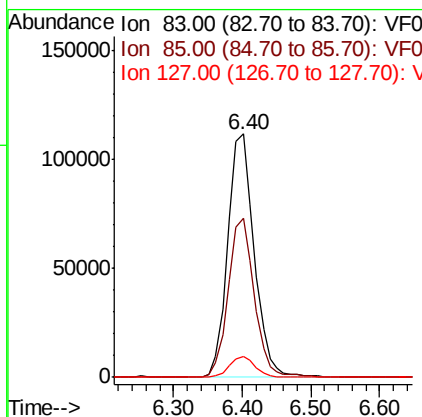
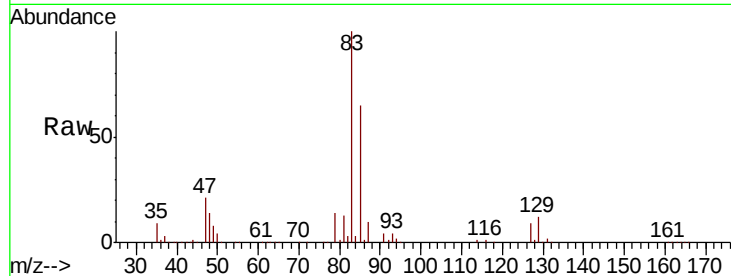
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	298502
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.4	78.6
127	8.8	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 71.602 ug/l

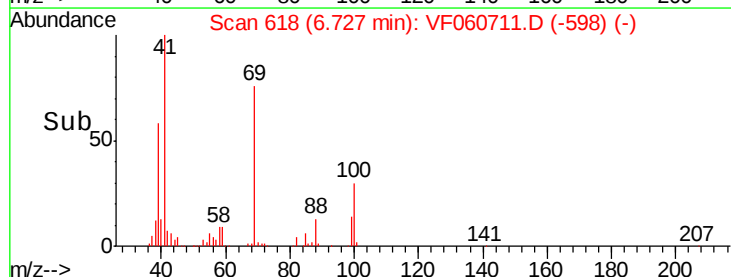
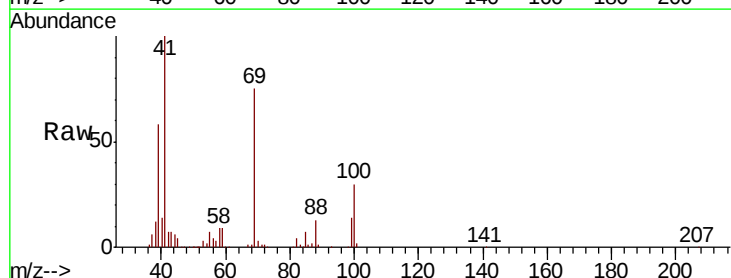
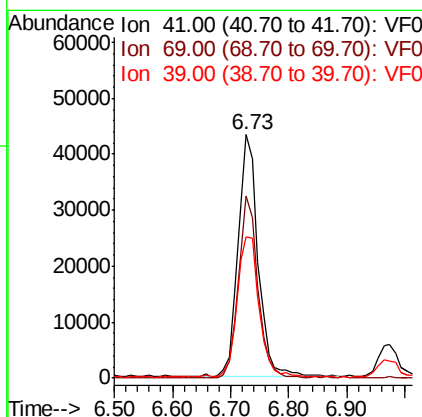
RT: 6.73 min Scan# 618

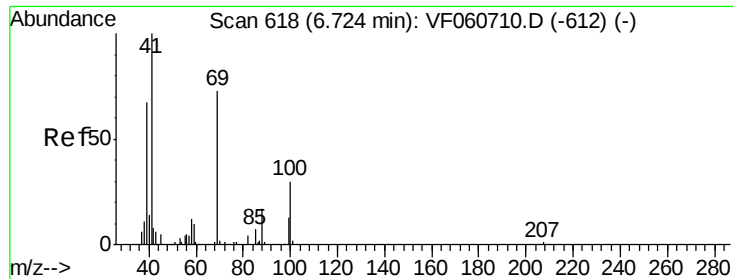
Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	41	Resp:	103876
Ion Ratio	Lower	Upper	
41	100		
69	74.7	54.9	82.3
39	57.9	49.6	74.4





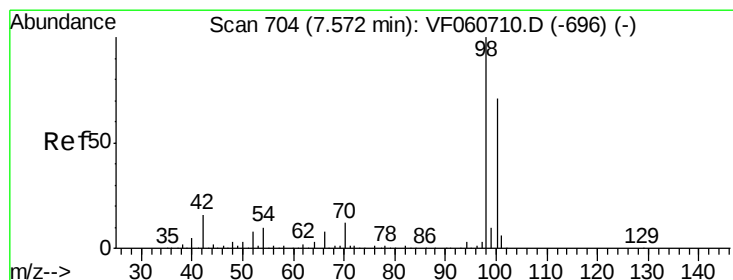
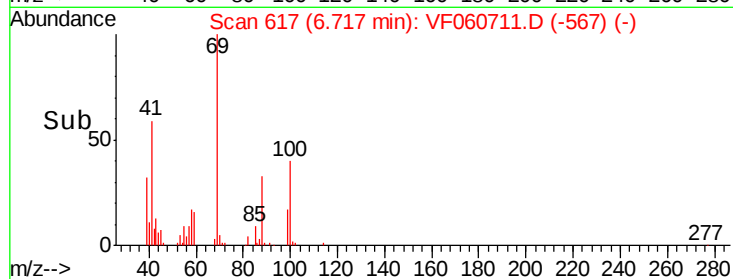
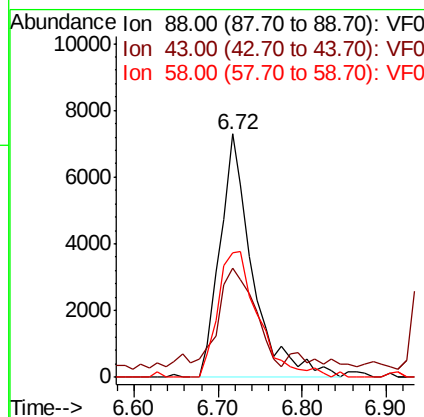
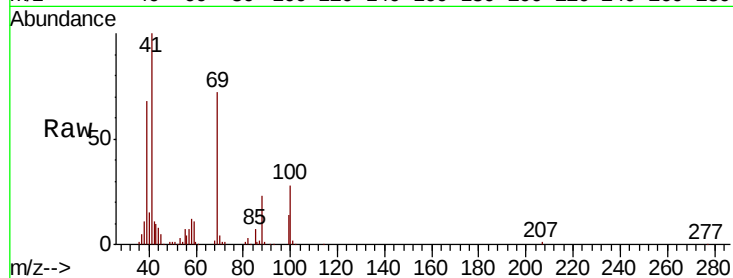
#49
1,4-Dioxane
Concen: 1441.270 ug/l
RT: 6.72 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	44.8		44.6	66.8
58	51.1		54.5	81.7#

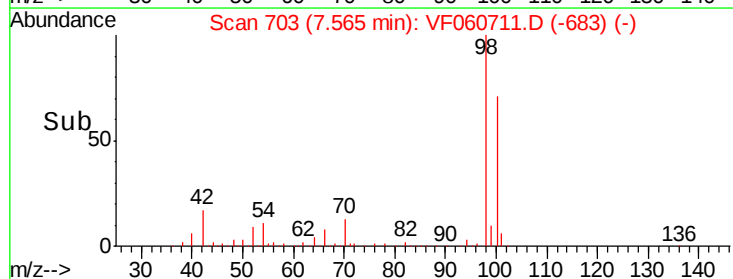
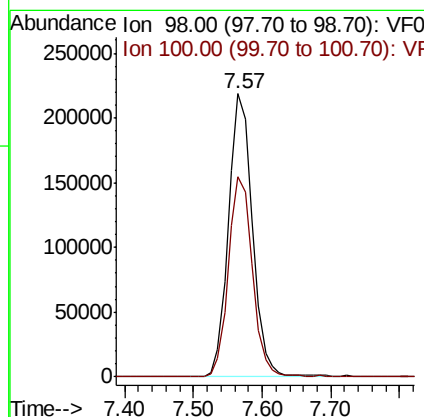
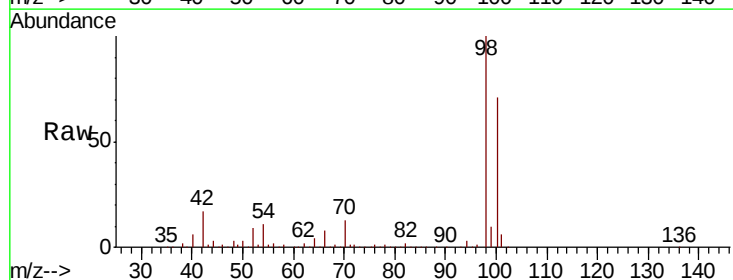
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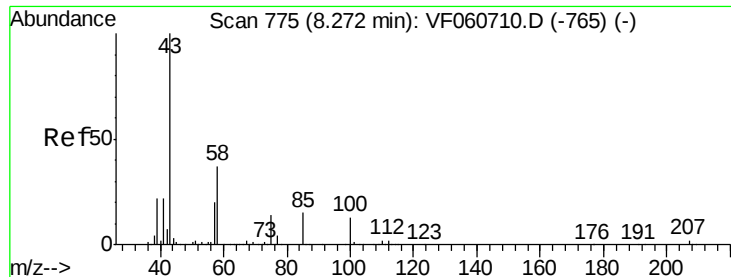
MMDadoda
11/14/2018 12:55:32 PM



#50
Toluene-d8
Concen: 63.597 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.6		56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 330.728 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 524337

Ion Ratio Lower Upper

43 100

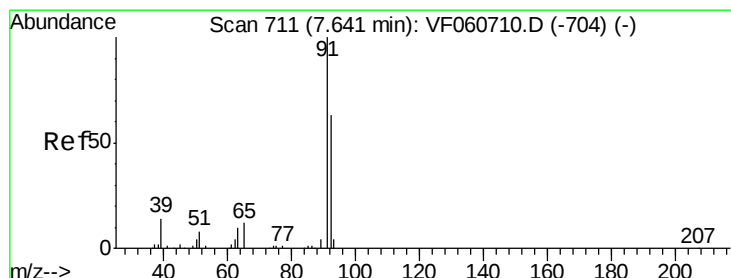
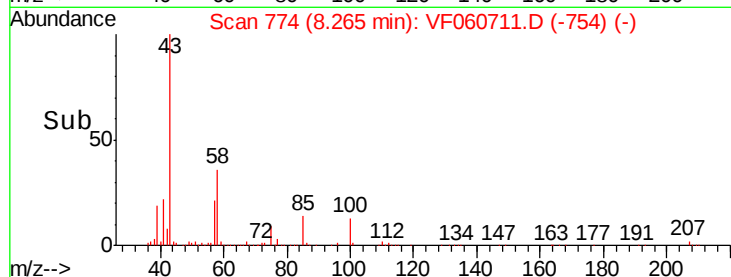
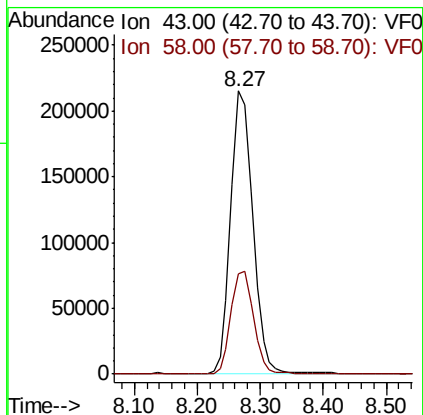
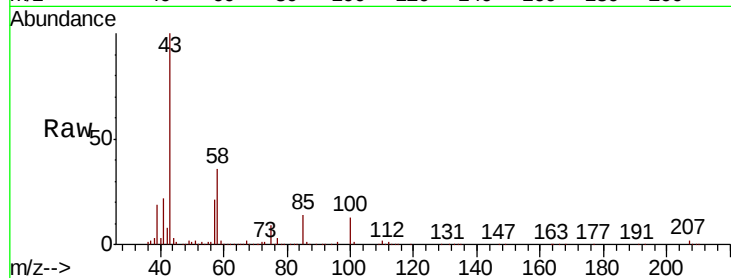
58 35.6 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 65.510 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060711.D

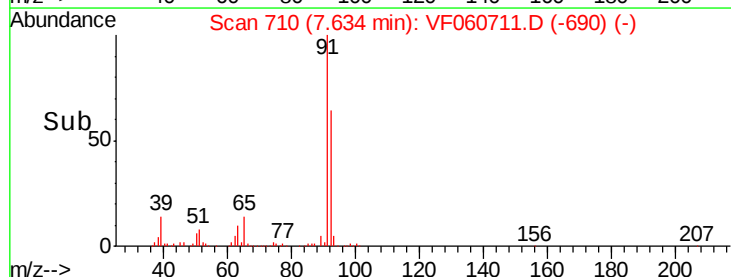
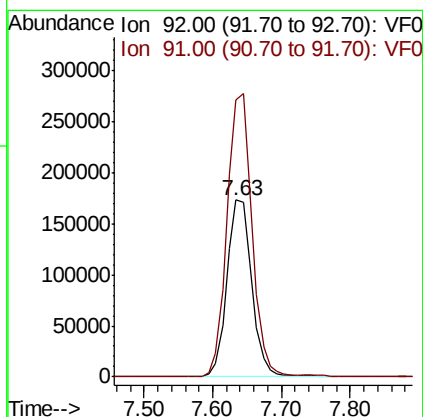
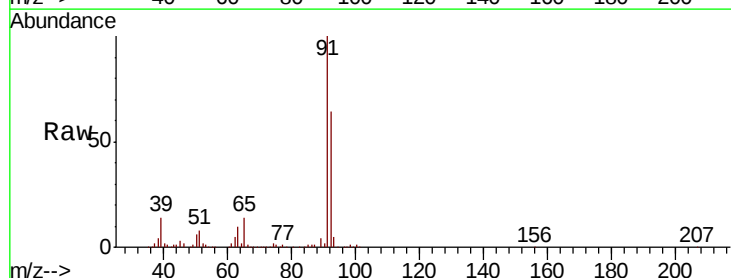
Acq: 13 Nov 2018 13:33

Tgt Ion: 92 Resp: 435173

Ion Ratio Lower Upper

92 100

91 156.2 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 69.271 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 241248

Ion Ratio Lower Upper

75 100

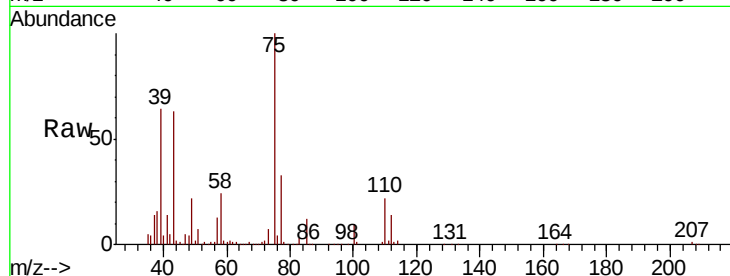
77 32.8 24.6 36.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

60000

40000

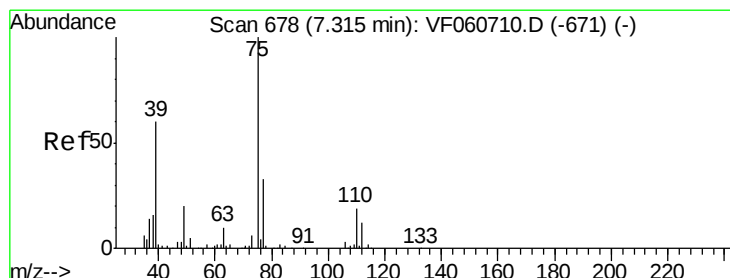
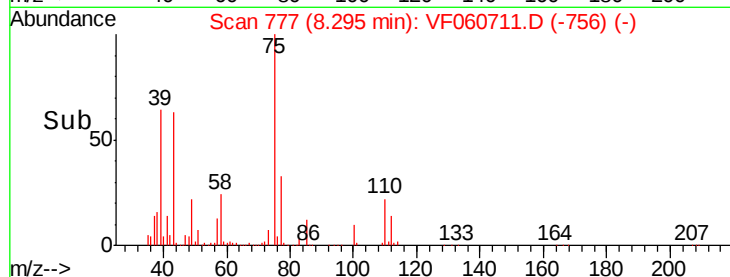
20000

0

8.20

8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 67.757 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

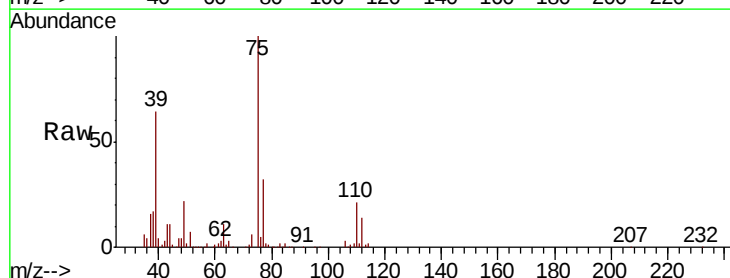
Tgt Ion: 75 Resp: 306516

Ion Ratio Lower Upper

75 100

77 32.4 26.5 39.7

39 63.9 48.5 72.7



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

150000

100000

7.31

50000

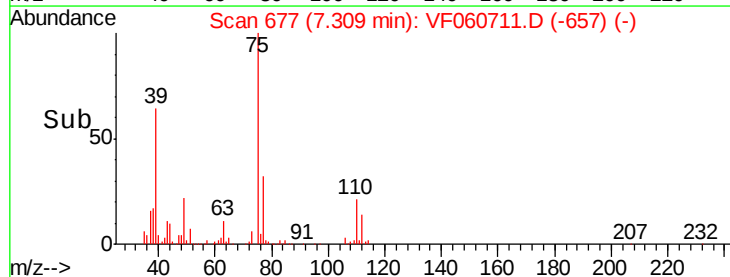
0

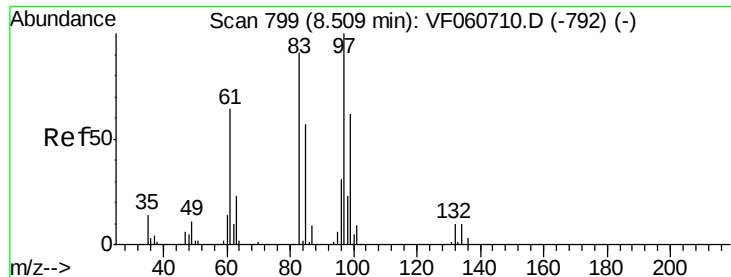
7.20

7.40

7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 68.749 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

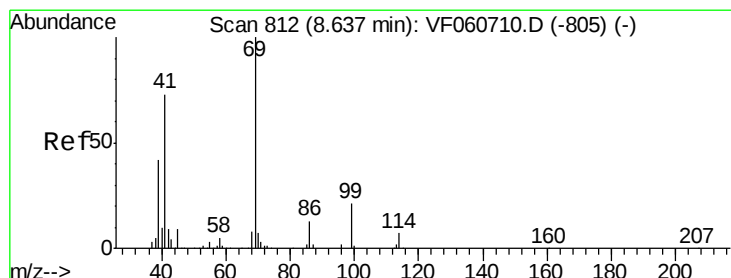
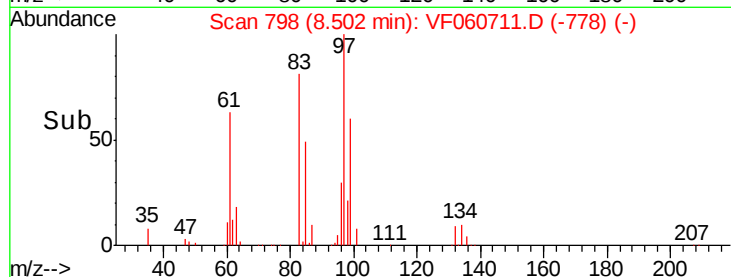
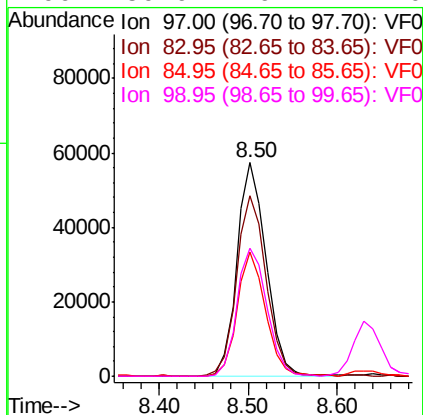
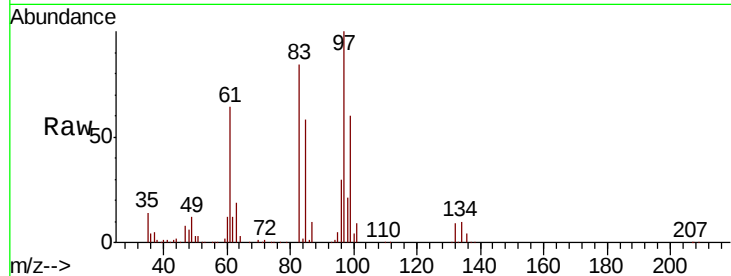
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	130486
Ion	Ratio	Lower	Upper
97	100		
83	84.4	72.8	109.2
85	58.1	45.8	68.6
99	59.9	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 71.637 ug/l

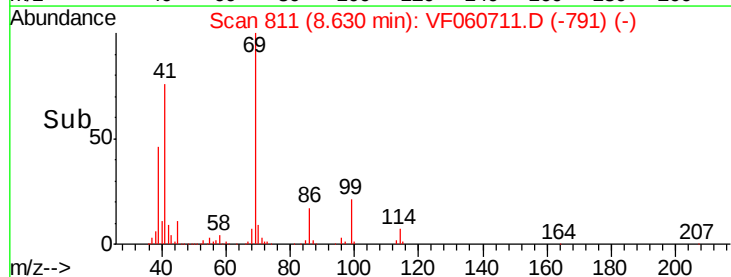
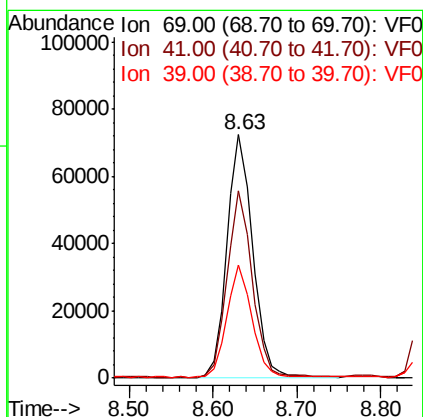
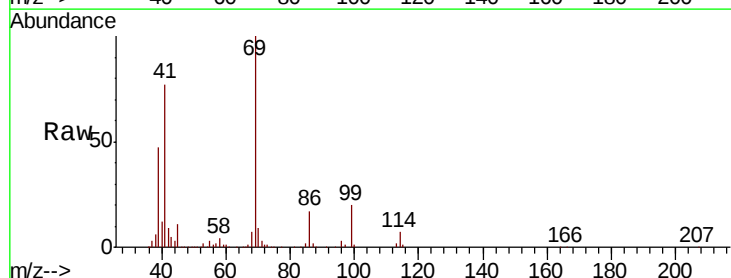
RT: 8.63 min Scan# 811

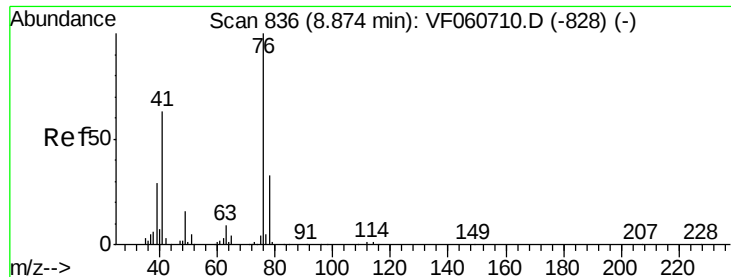
Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	69	Resp:	154417
Ion	Ratio	Lower	Upper
69	100		
41	76.7	59.0	88.6
39	46.6	34.0	51.0





#57

1,3-Dichloropropane

Concen: 69.680 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 229203

Ion Ratio Lower Upper

76 100

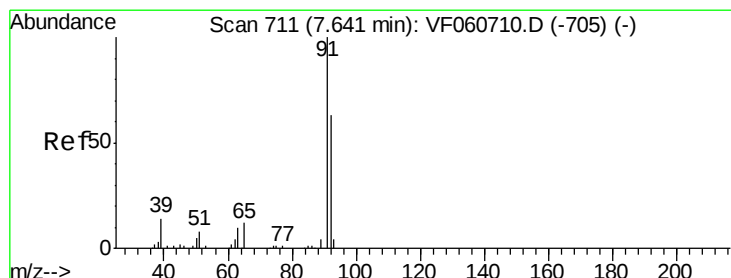
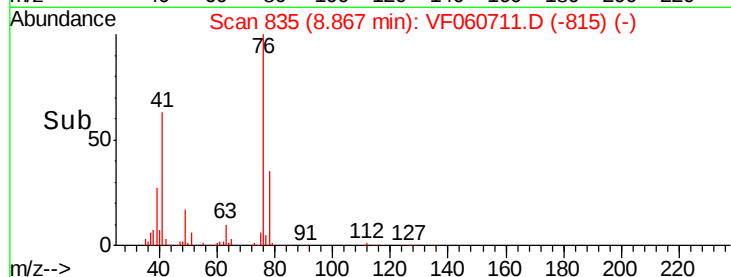
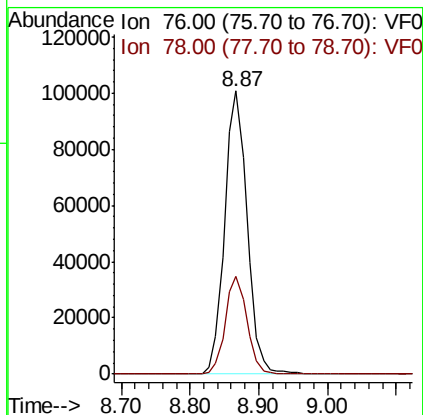
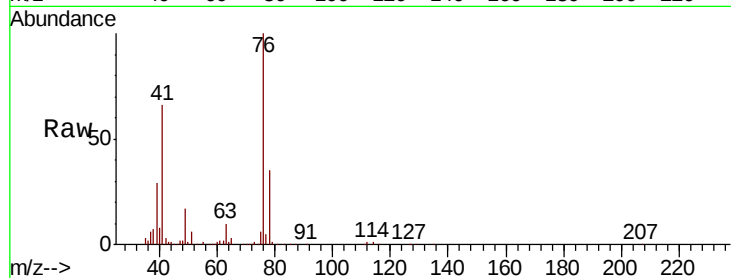
78 34.8 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 341.753 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060711.D

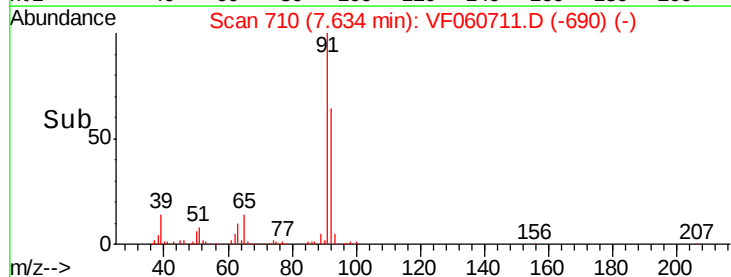
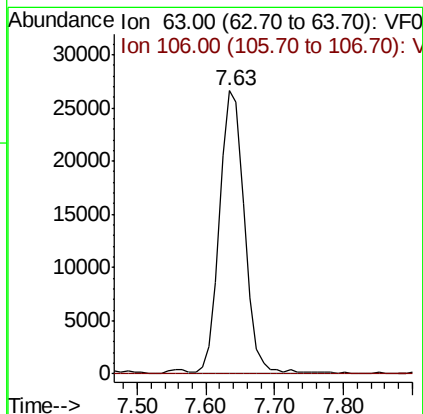
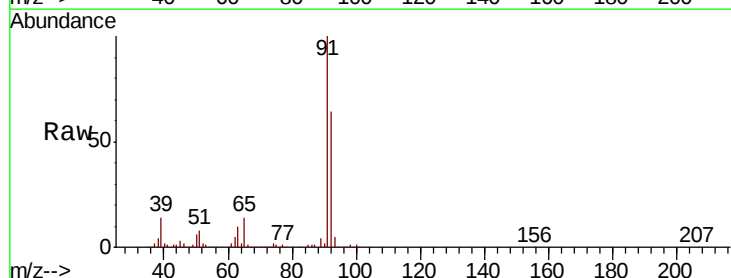
Acq: 13 Nov 2018 13:33

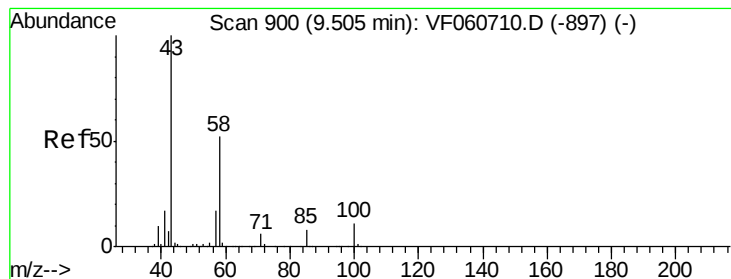
Tgt Ion: 63 Resp: 67294

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 342.876 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 382022

Ion Ratio Lower Upper

43 100

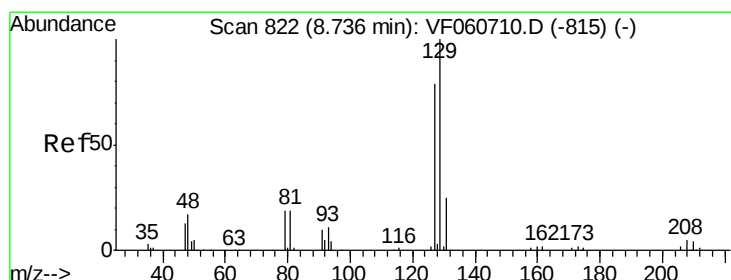
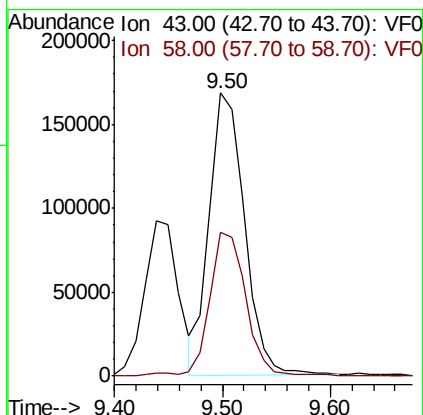
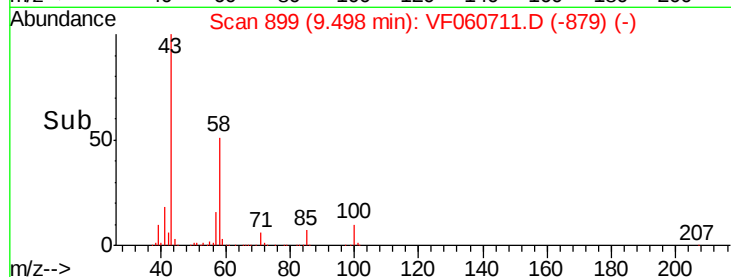
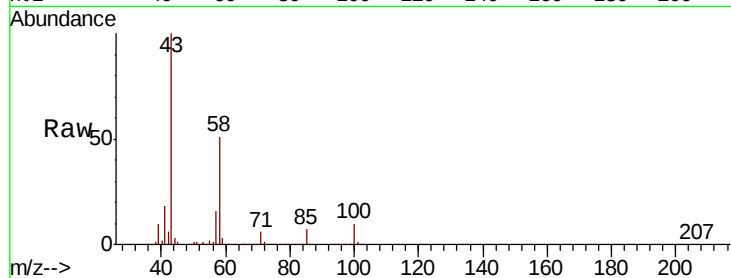
58 50.8 24.9 74.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 70.366 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF060711.D

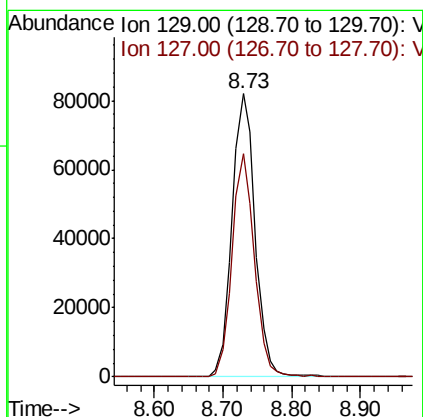
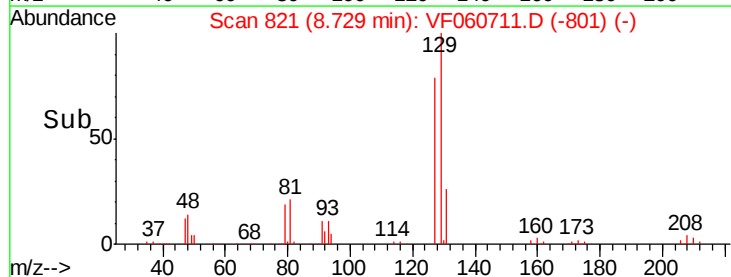
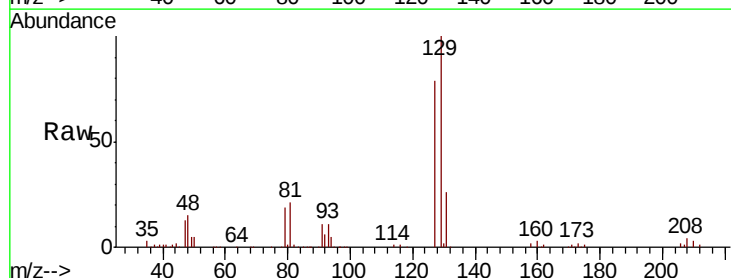
Acq: 13 Nov 2018 13:33

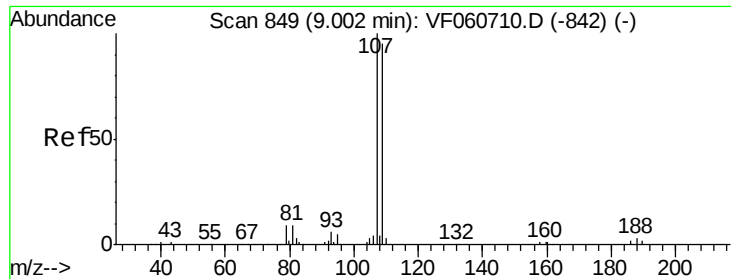
Tgt Ion: 129 Resp: 190340

Ion Ratio Lower Upper

129 100

127 78.8 39.7 119.1





#61

1,2-Dibromoethane

Concen: 71.204 ug/l

RT: 9.01 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 142132

Ion Ratio Lower Upper

107 100

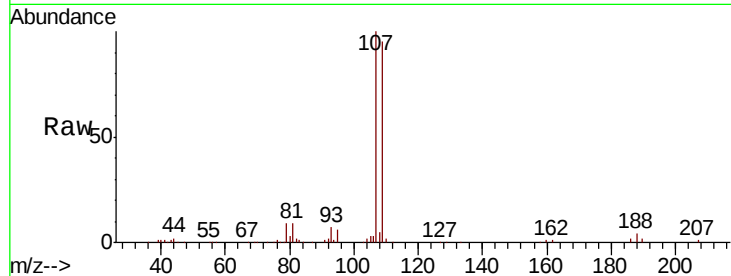
109 95.2 75.9 113.9

Manual Integrations

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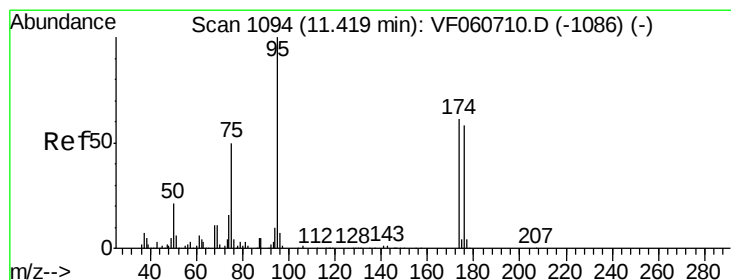
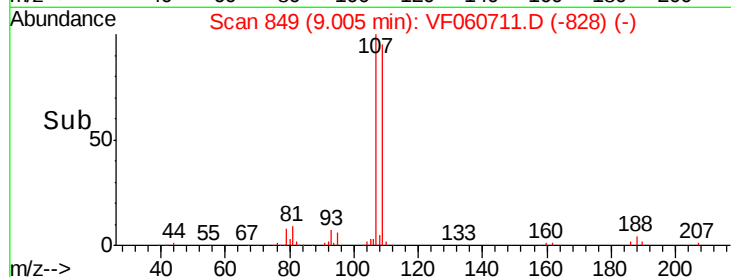
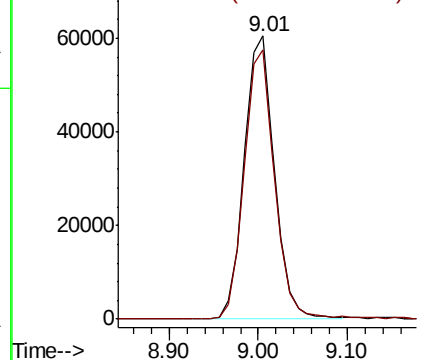
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 63.571 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

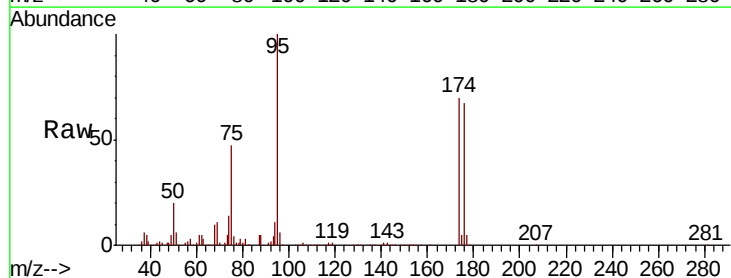
Tgt Ion: 95 Resp: 247552

Ion Ratio Lower Upper

95 100

174 69.8 0.0 121.6

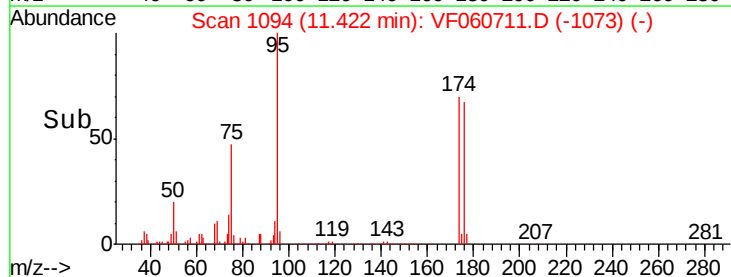
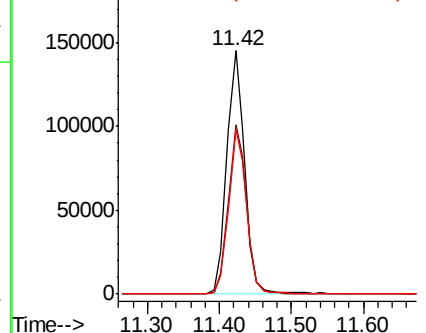
176 67.5 0.0 115.2

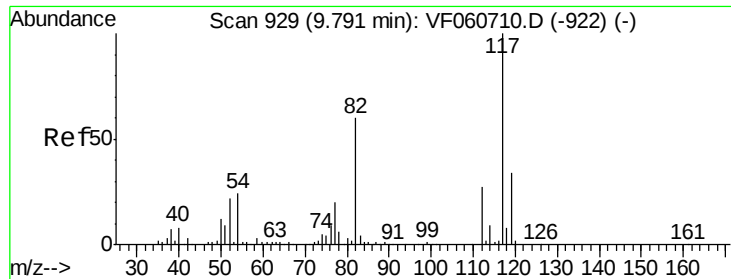


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





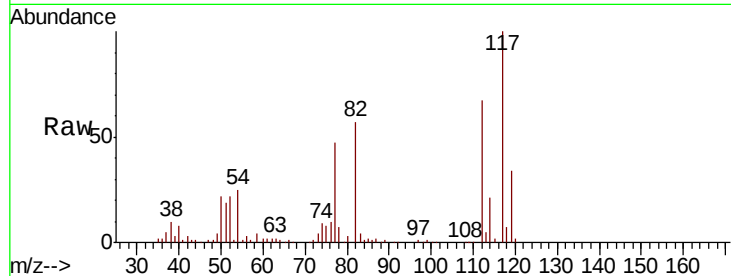
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.9	71.9
119	34.3	26.8	40.2

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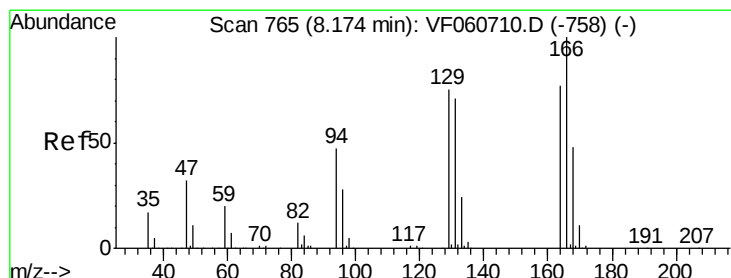
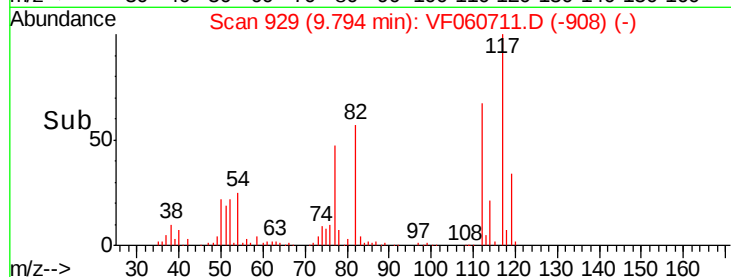
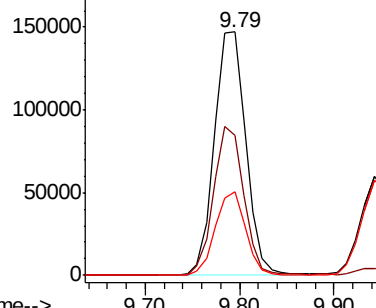


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 68.354 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.5	155.3
129	97.1	77.4	116.2
131	95.1	73.5	110.3

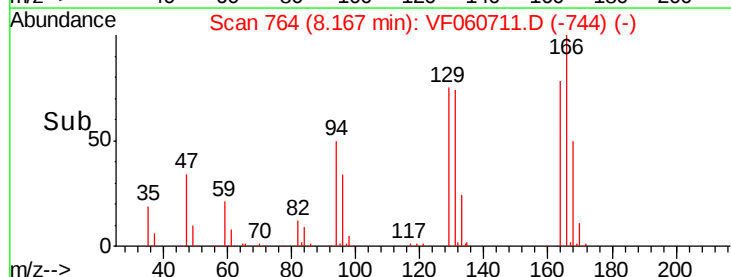
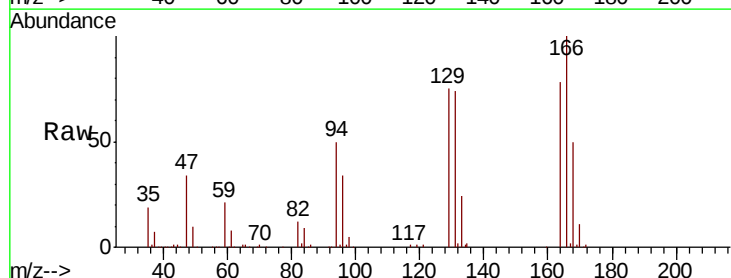
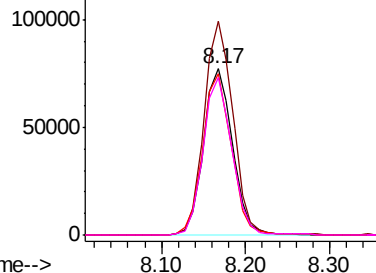
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





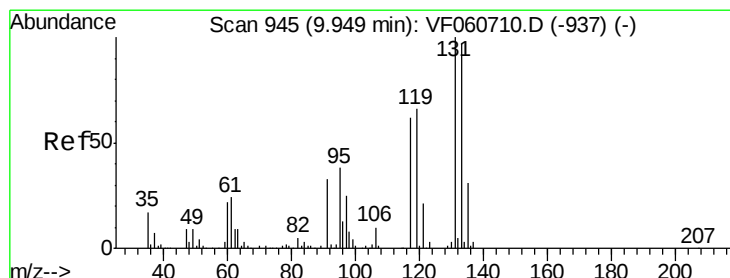
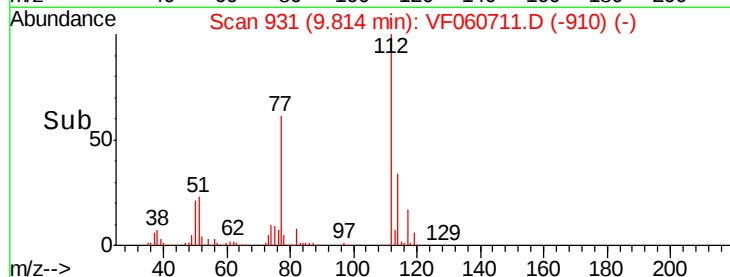
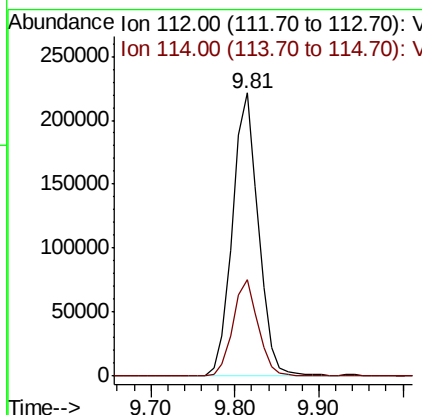
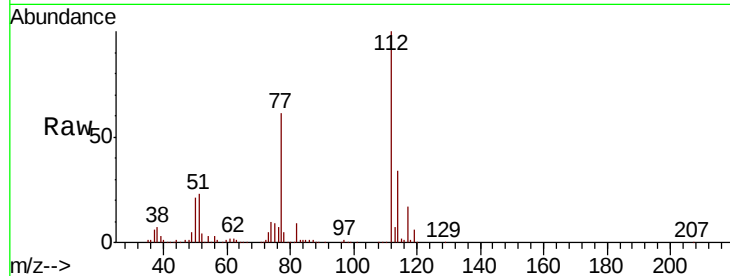
#65
Chlorobenzene
Concen: 69.077 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.9	26.1	39.1

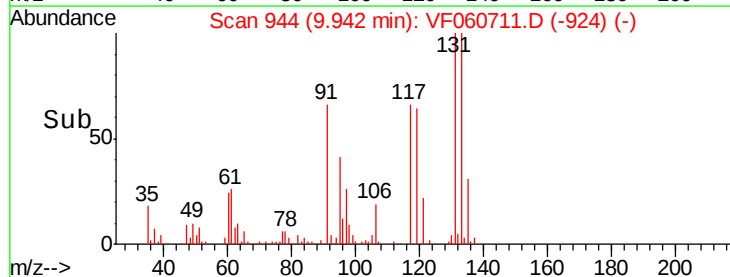
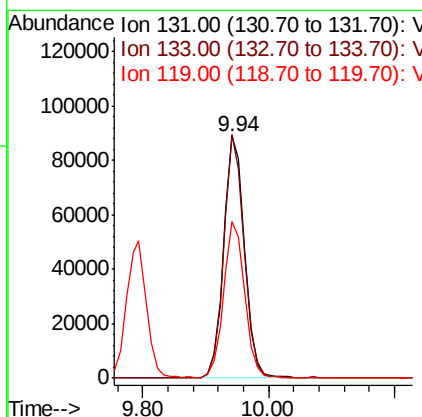
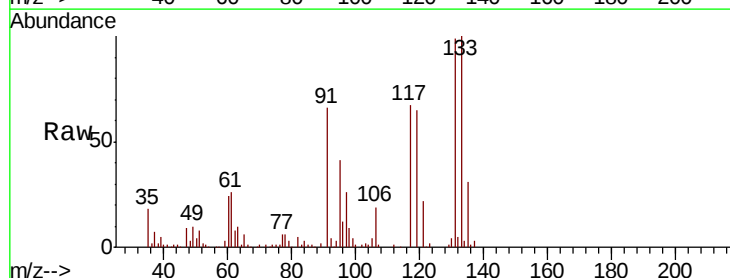
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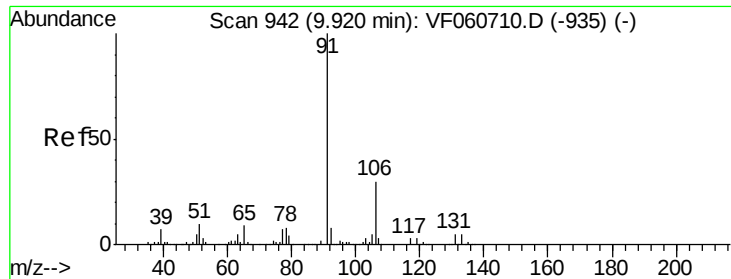
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 67.950 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.5	48.3	144.8
119	64.9	33.2	99.6





#67

Ethyl Benzene

Concen: 67.268 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 875842

Ion Ratio Lower Upper

91 100

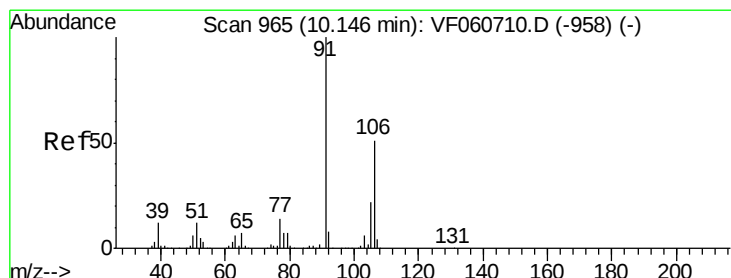
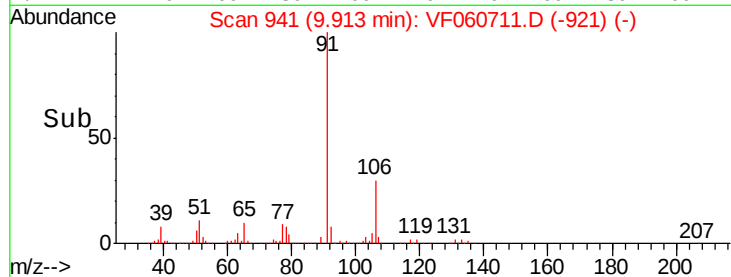
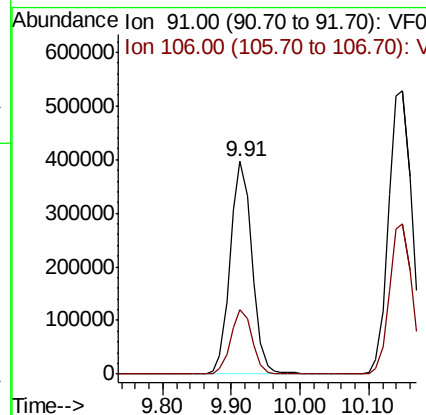
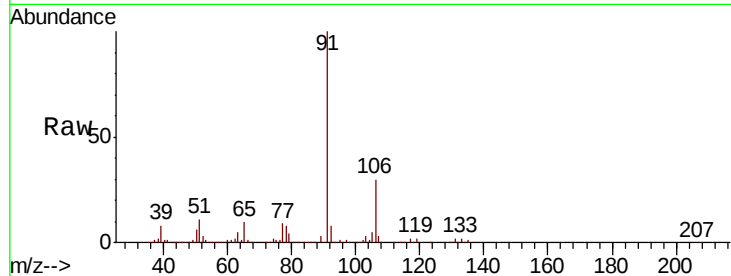
106 30.3 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 137.461 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060711.D

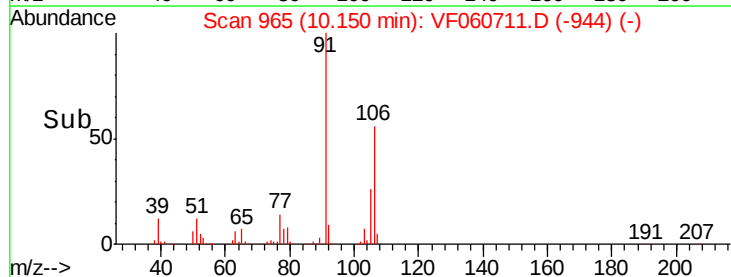
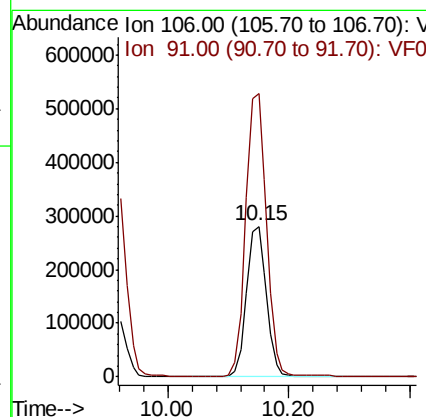
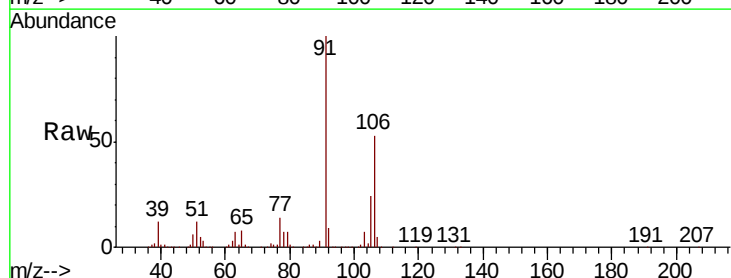
Acq: 13 Nov 2018 13:33

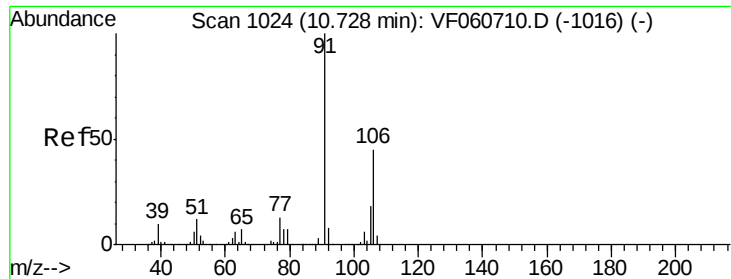
Tgt Ion: 106 Resp: 639609

Ion Ratio Lower Upper

106 100

91 188.2 158.2 237.2





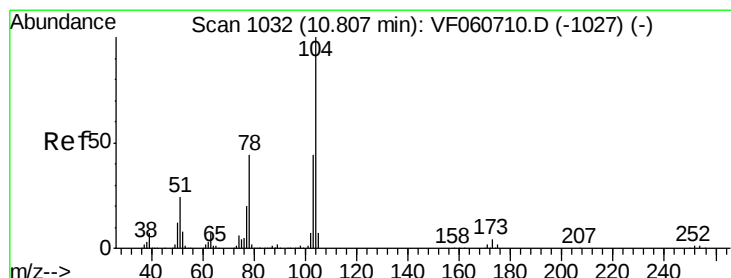
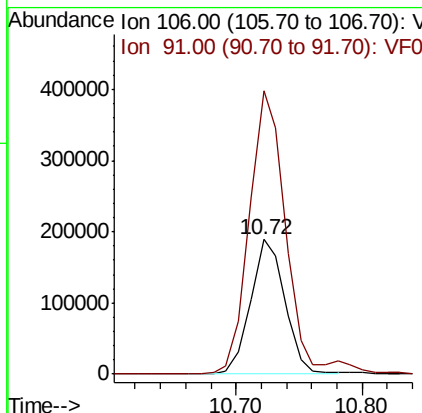
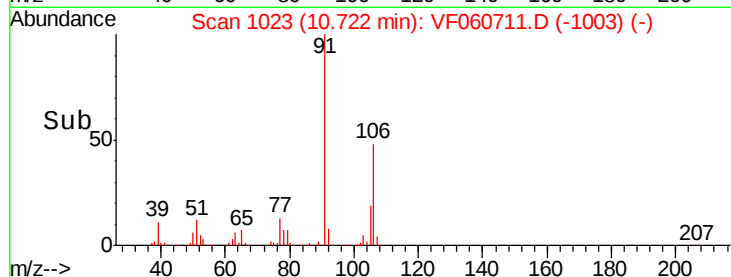
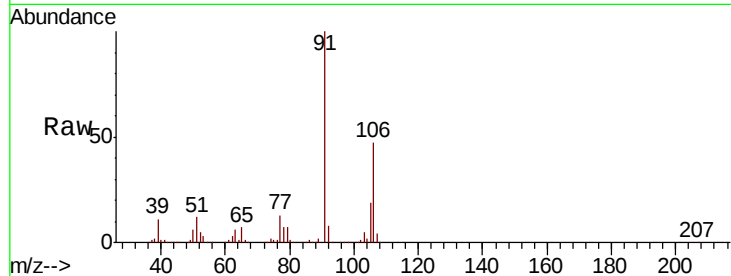
#69
o-Xylene
Concen: 68.338 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	110.3	330.9

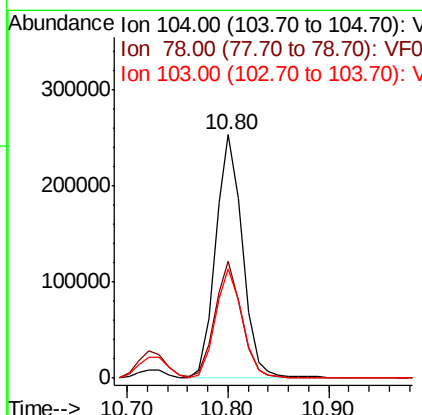
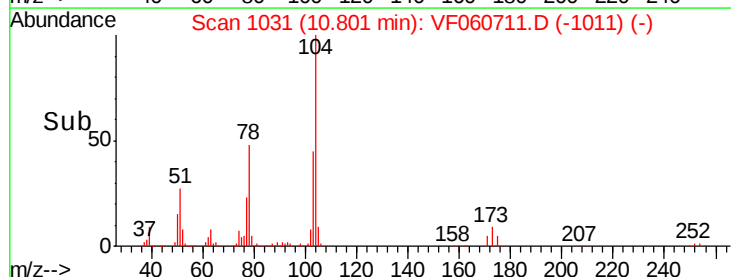
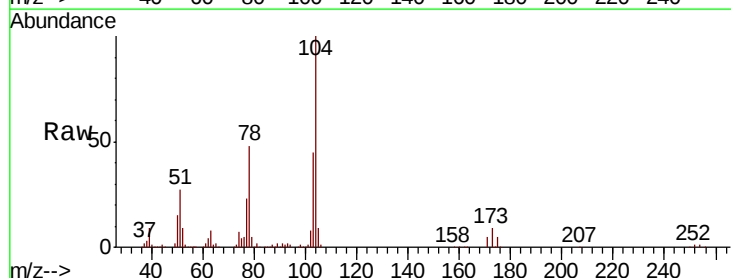
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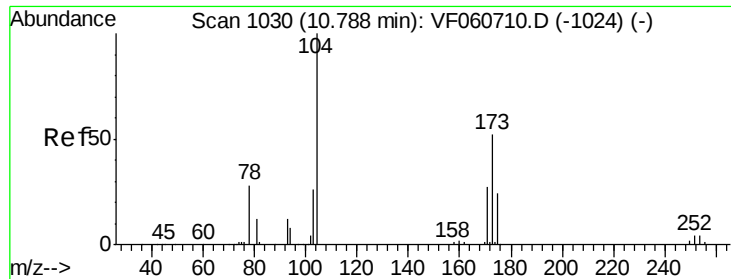
MMDadoda
11/14/2018 12:55:32 PM



#70
Styrene
Concen: 65.889 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	35.4	53.2
103	45.1	35.8	53.6





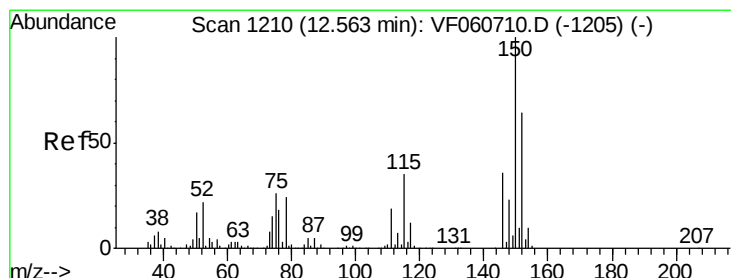
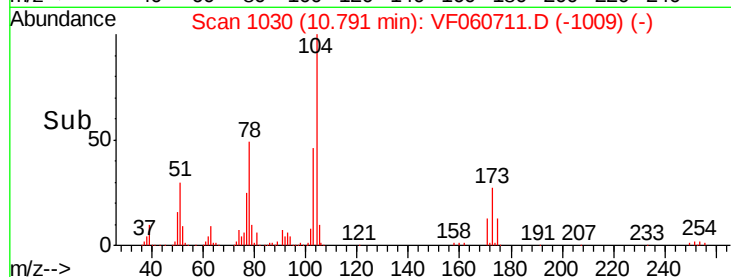
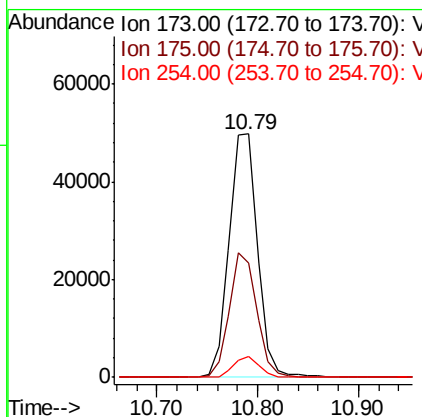
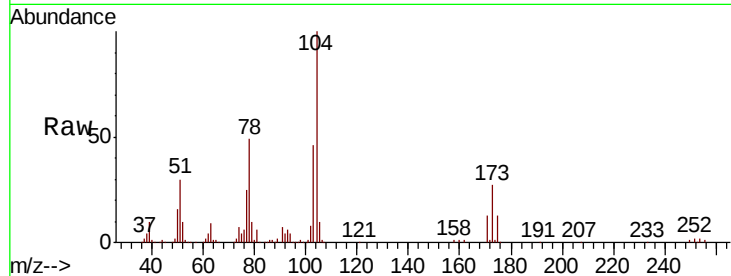
#71
Bromoform
Concen: 72.150 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.4	70.0
254	8.4	5.8	8.8

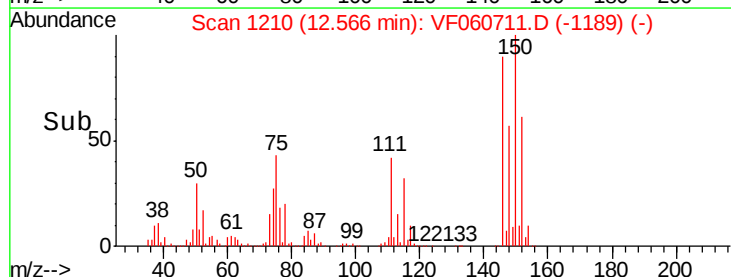
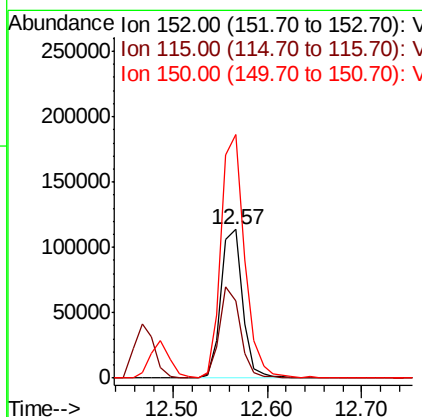
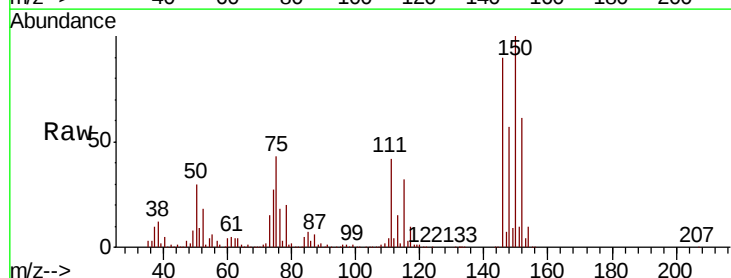
Manual Integrations
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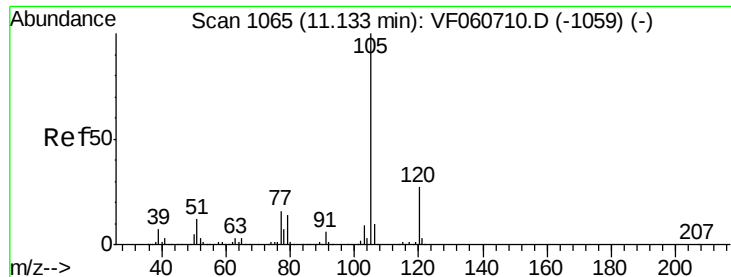
MMDadoda
11/14/2018 12:55:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	27.9	83.7
150	163.9	0.0	316.4





#73

Isopropylbenzene

Concen: 69.357 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1019004

Ion Ratio Lower Upper

105 100

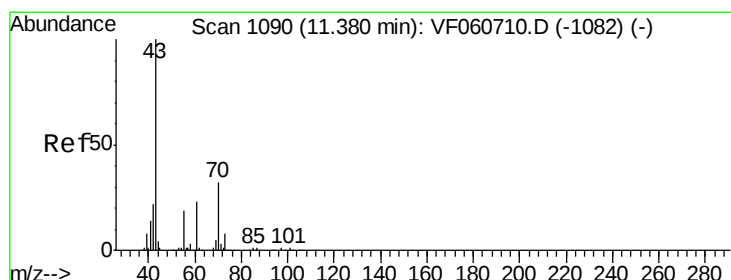
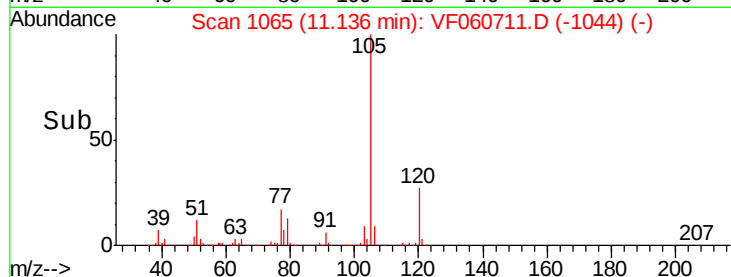
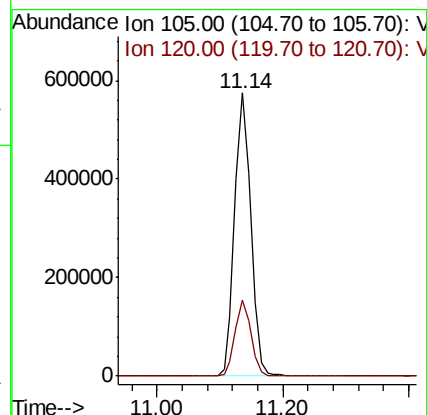
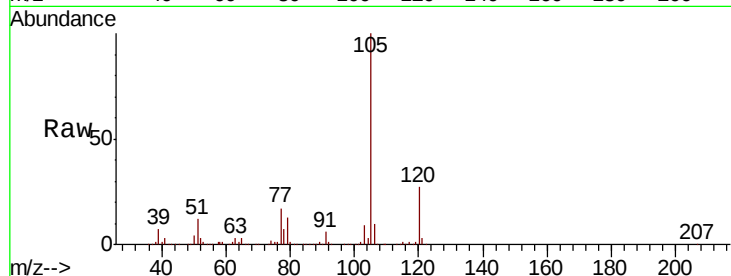
120 27.1 13.4 40.1

Manual Integrations

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11/14/2018 12:55:32 PM



#74

N-ethyl acetate

Concen: 76.022 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion: 43 Resp: 254268

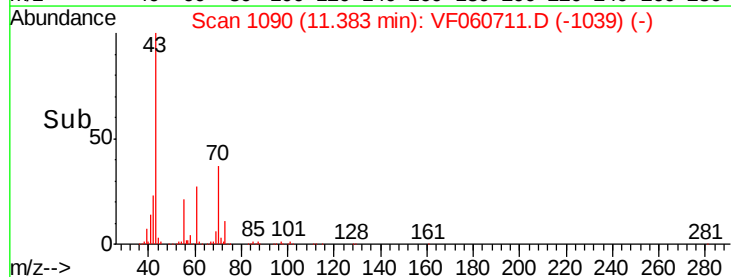
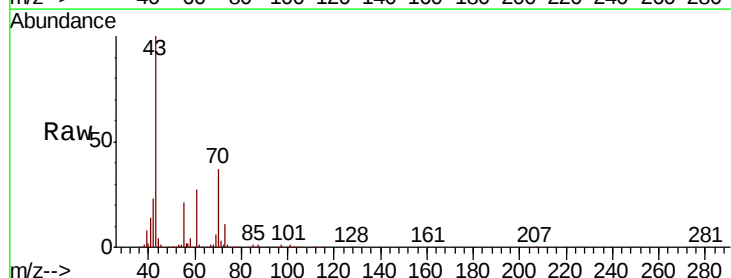
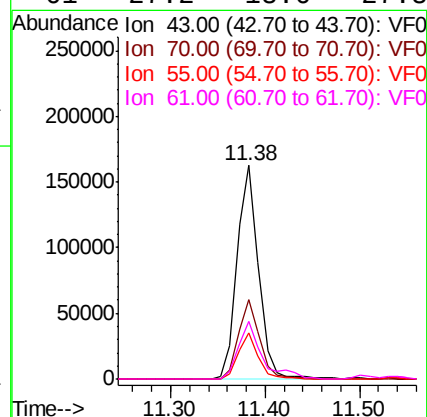
Ion Ratio Lower Upper

43 100

70 37.4 25.5 38.3

55 21.4 14.9 22.3

61 27.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 67.868 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

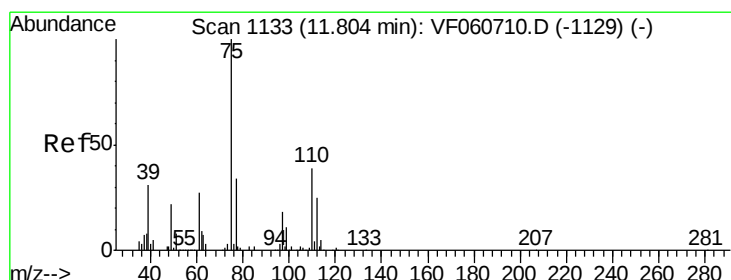
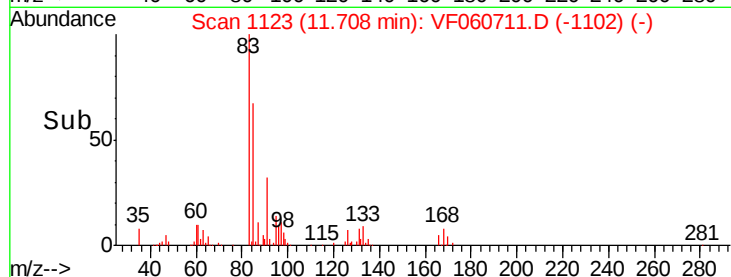
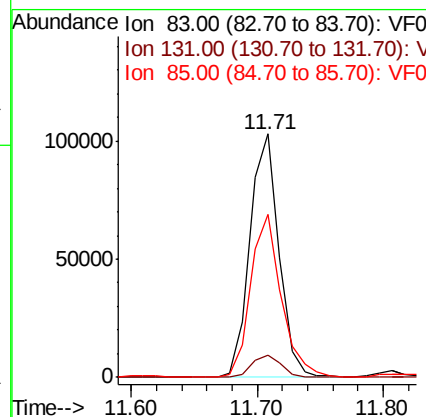
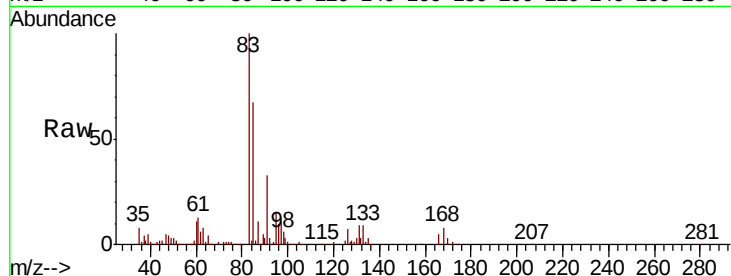
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	164855
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.2	12.4
85	66.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 67.013 ug/l

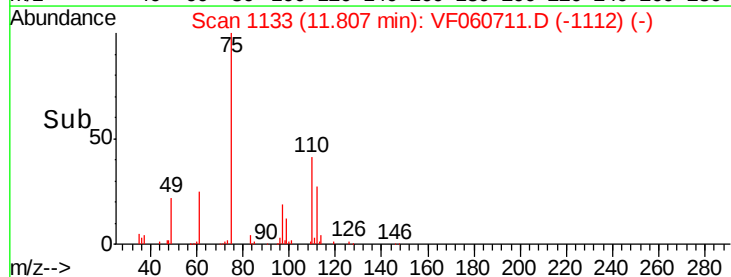
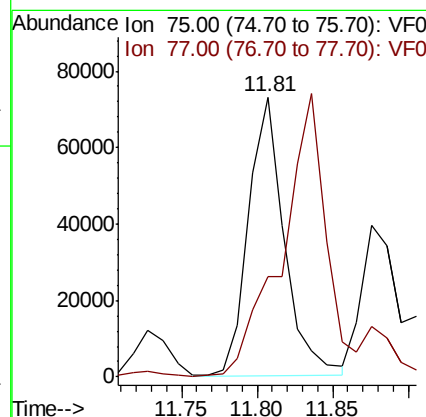
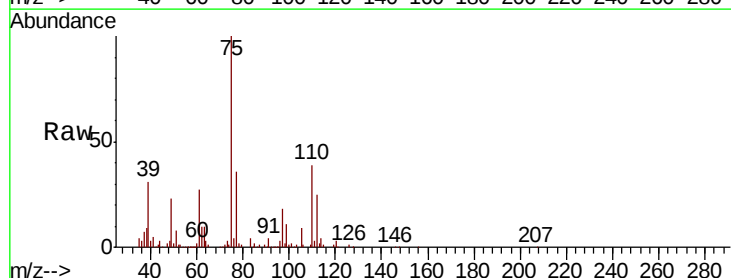
RT: 11.81 min Scan# 1133

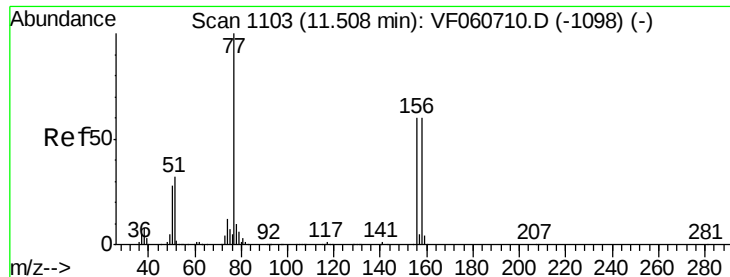
Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Tgt Ion:	75	Resp:	120892
Ion Ratio	Lower	Upper	
75	100		
77	35.7	17.0	51.0





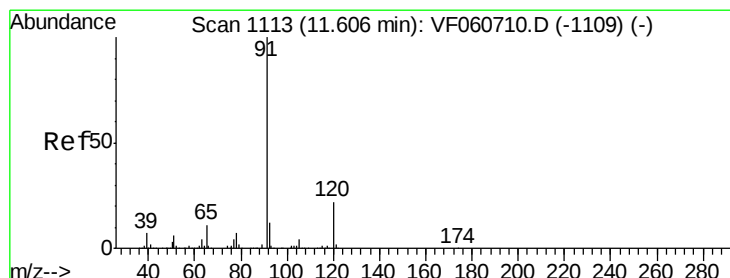
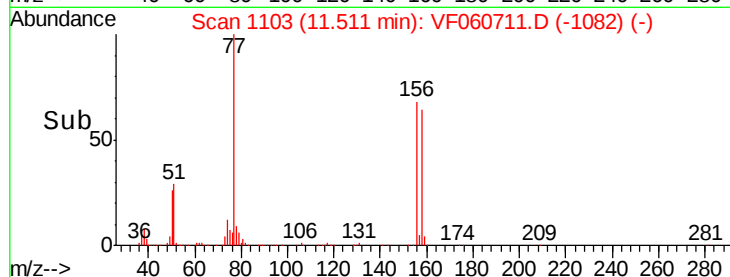
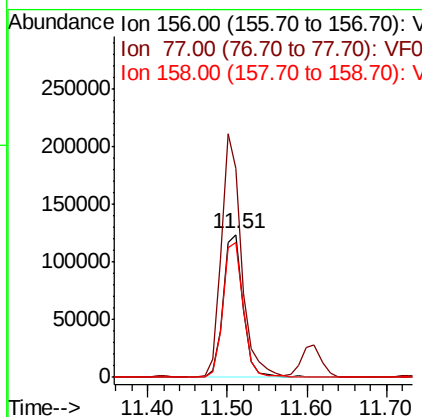
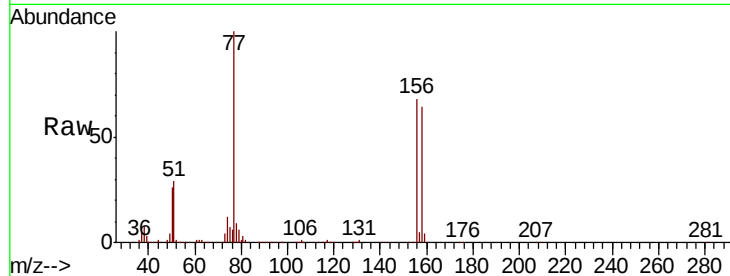
#77
Bromobenzene
Concen: 71.747 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.8	83.0	248.9	
158	94.4	49.6	149.0	

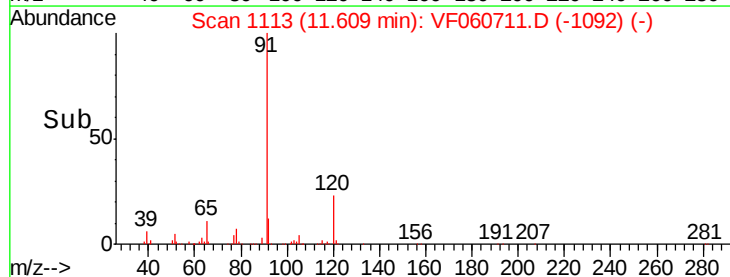
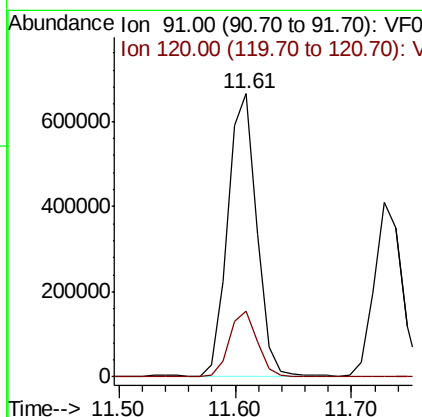
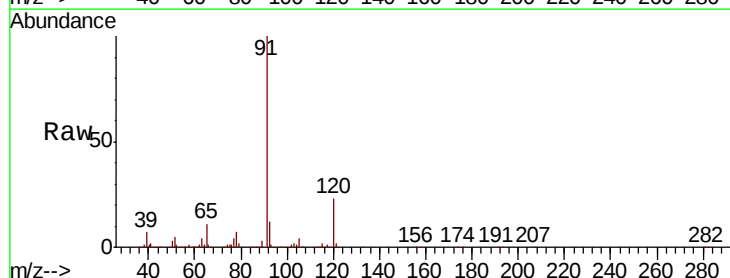
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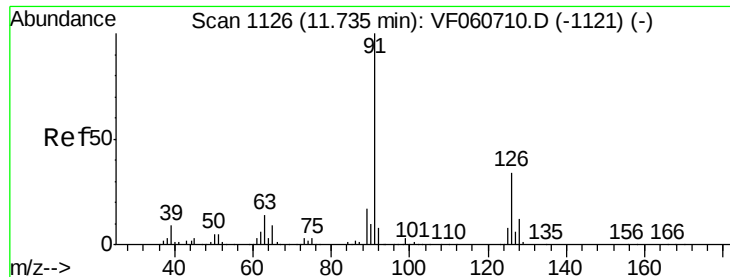
MMDadoda
11/14/2018 12:55:32 PM



#78
n-propylbenzene
Concen: 66.705 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.2	33.5	





#79

2-Chlorotoluene

Concen: 66.875 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 666020

Ion Ratio Lower Upper

91 100

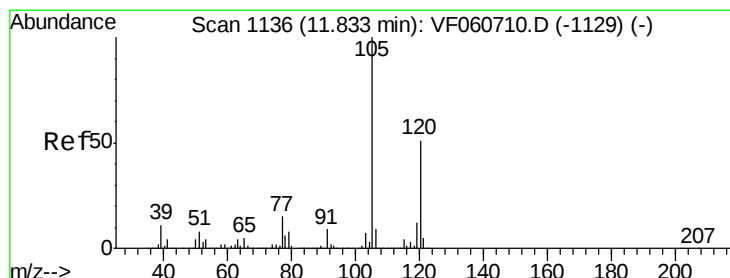
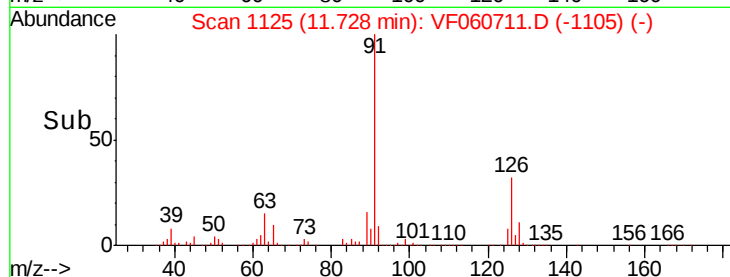
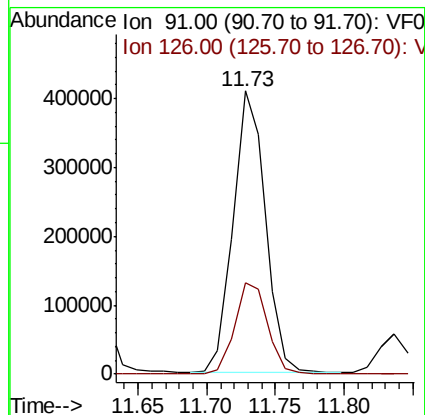
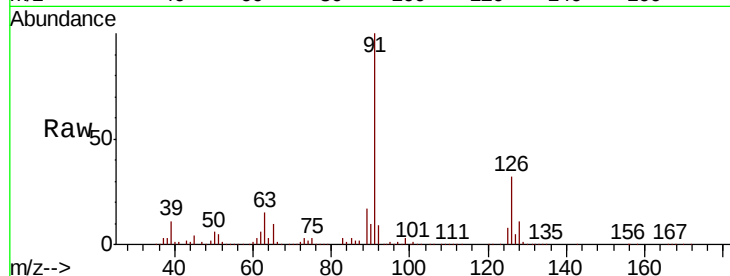
126 32.4 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 68.907 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060711.D

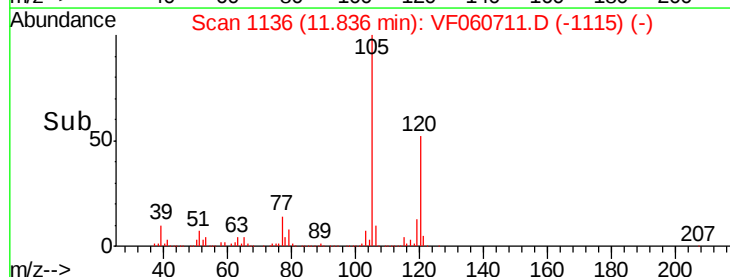
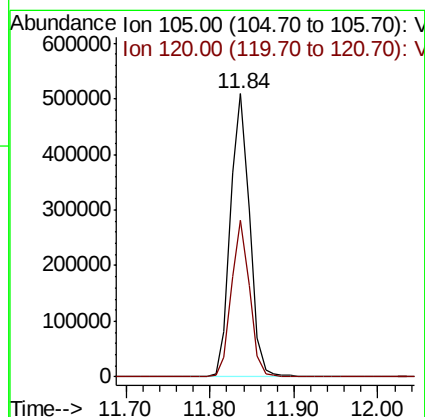
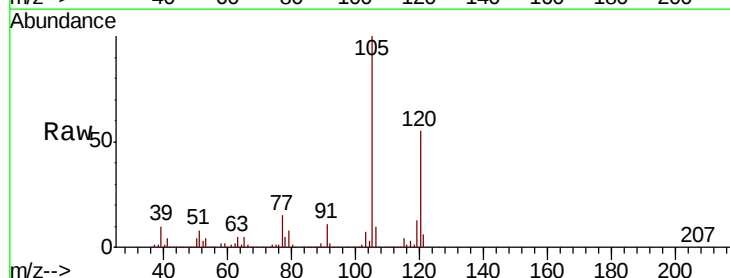
Acq: 13 Nov 2018 13:33

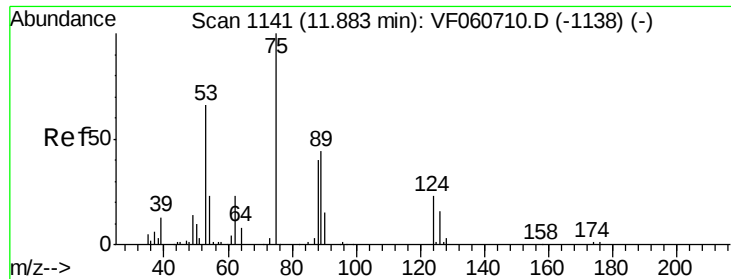
Tgt Ion: 105 Resp: 803755

Ion Ratio Lower Upper

105 100

120 55.2 25.6 76.8





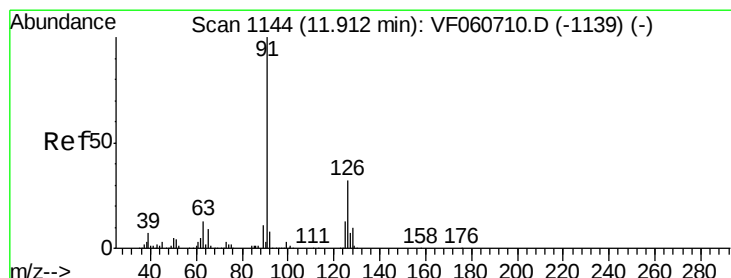
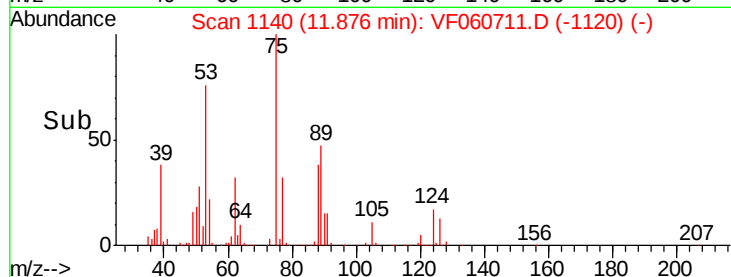
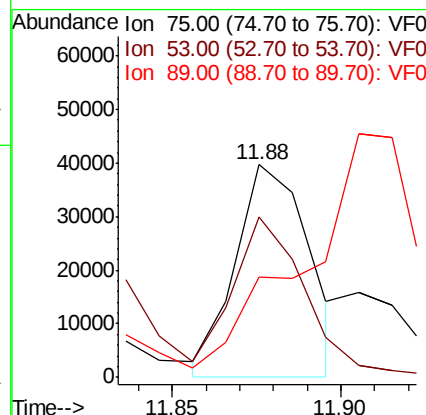
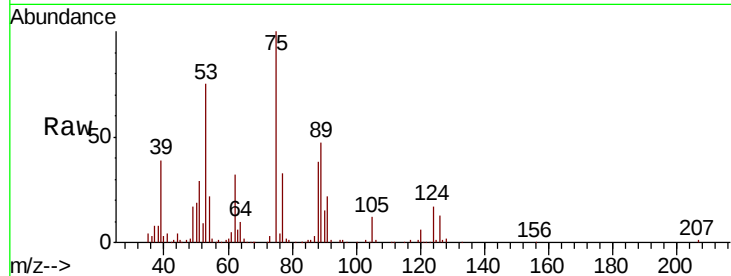
#81
trans-1,4-Dichloro-2-butene
Concen: 70.063 ug/l m
RT: 11.88 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 75 Resp: 60643
Ion Ratio Lower Upper
75 100
53 75.3 57.0 85.4
89 47.3 37.8 56.8

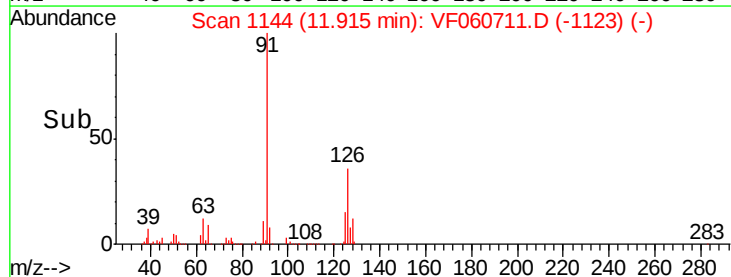
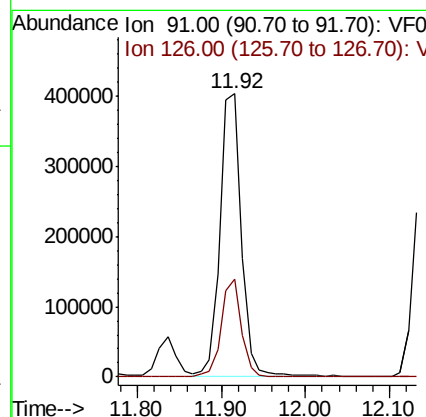
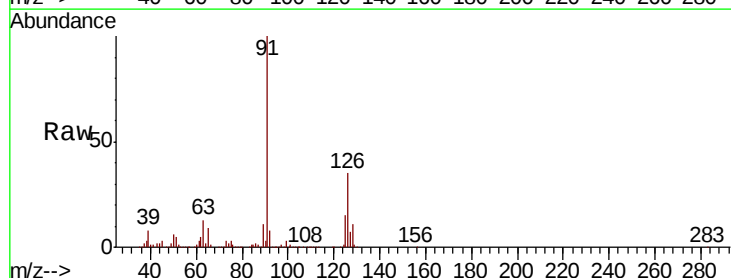
Manual Integrations
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#82
4-Chlorotoluene
Concen: 69.581 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion: 91 Resp: 709914
Ion Ratio Lower Upper
91 100
126 34.7 16.0 47.9





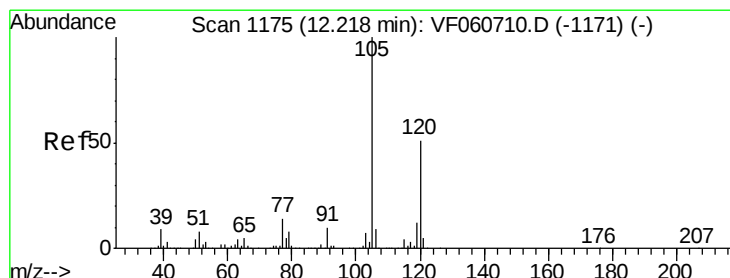
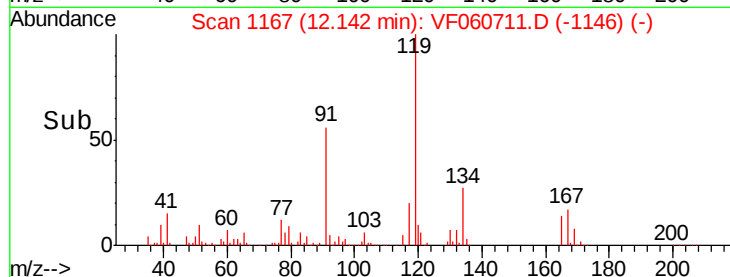
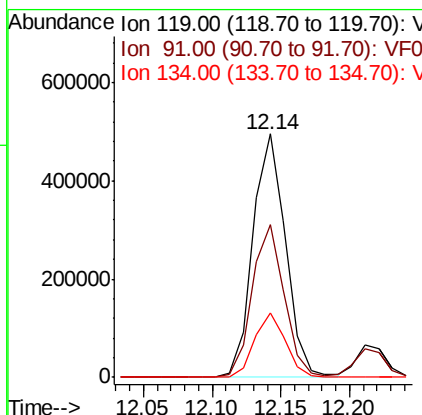
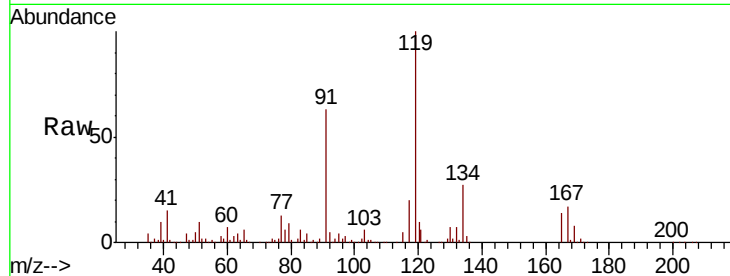
#83
 tert-Butylbenzene
 Concen: 66.493 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	823496		
91	62.9		31.4	94.3
134	26.6		12.8	38.4

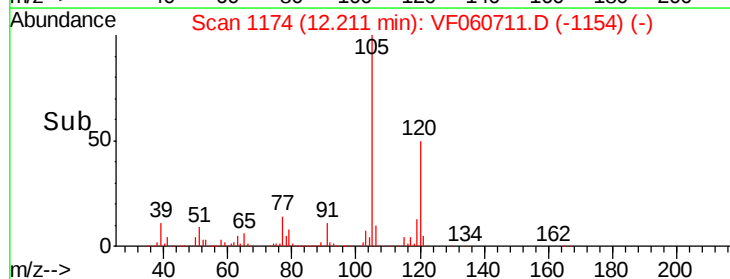
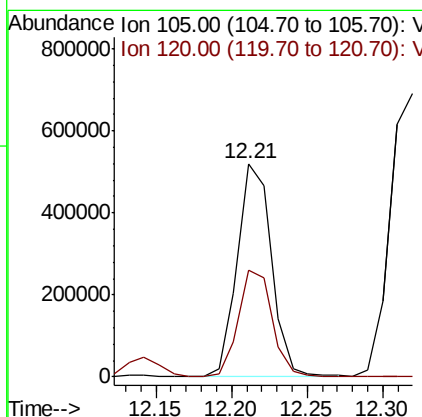
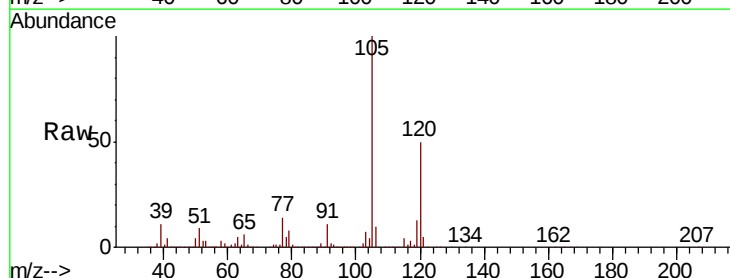
Manual Integrations
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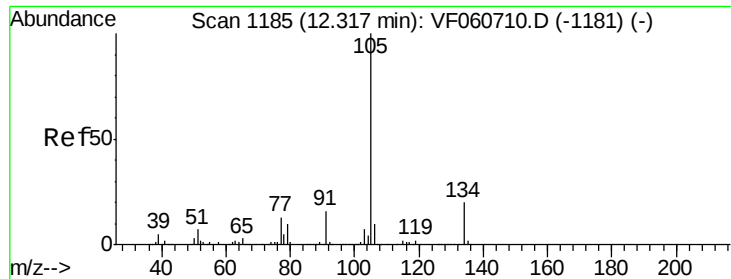
MMDadoda
 11/14/2018 12:55:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 67.961 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	819847		
120	50.2		25.5	76.5





#85

sec-Butylbenzene

Concen: 67.439 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1132982

Ion Ratio Lower Upper

105 100

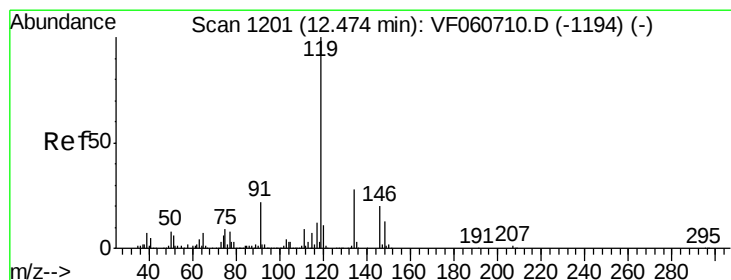
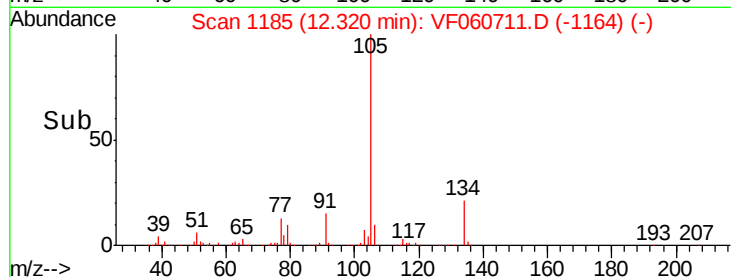
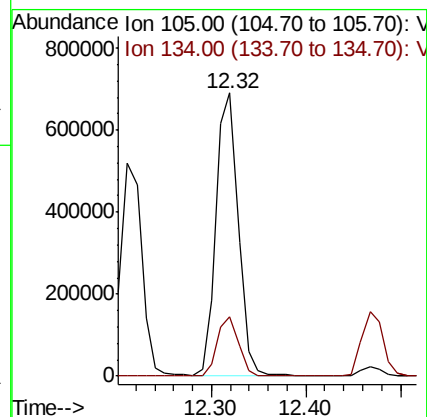
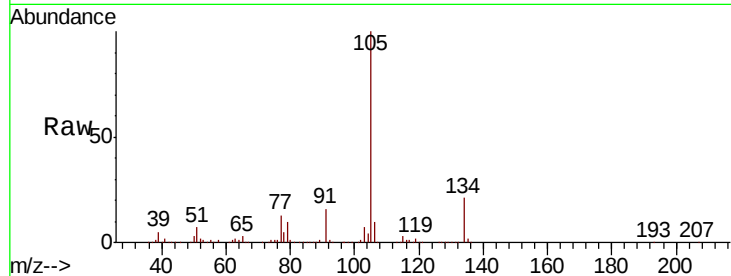
134 21.1 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 66.408 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060711.D

Acq: 13 Nov 2018 13:33

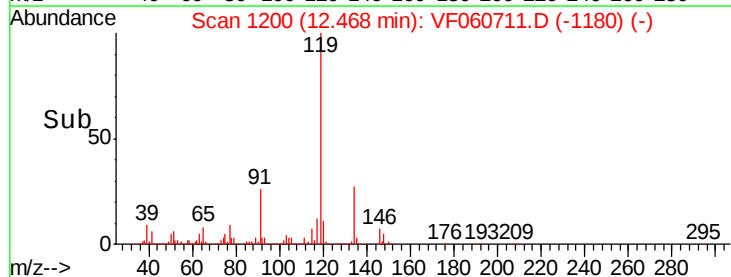
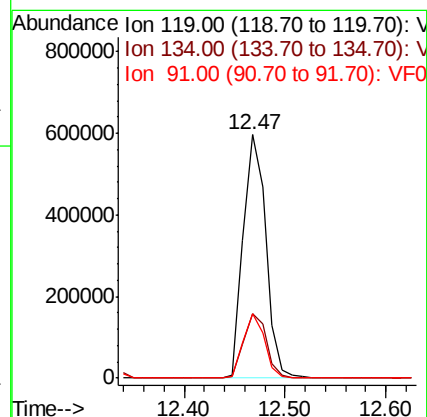
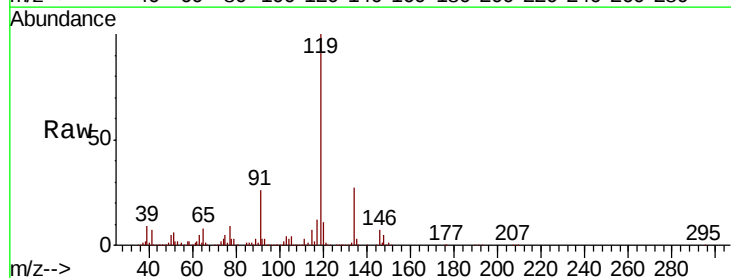
Tgt Ion:119 Resp: 931802

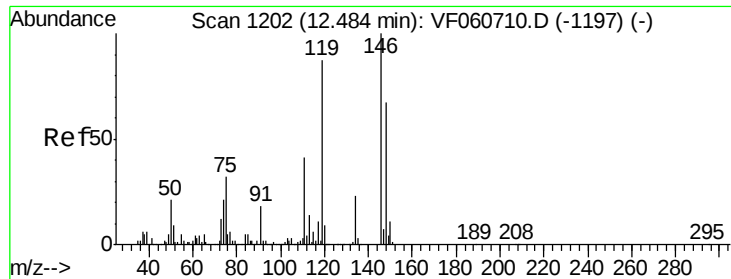
Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.7

91 26.3 11.3 33.9





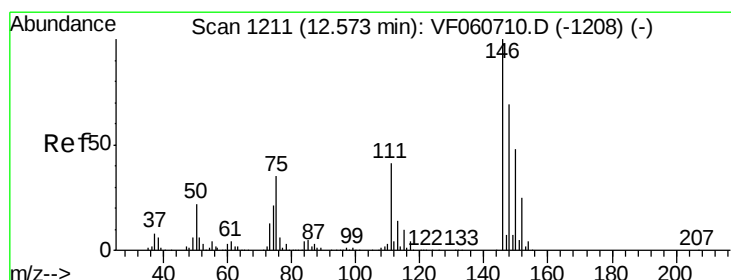
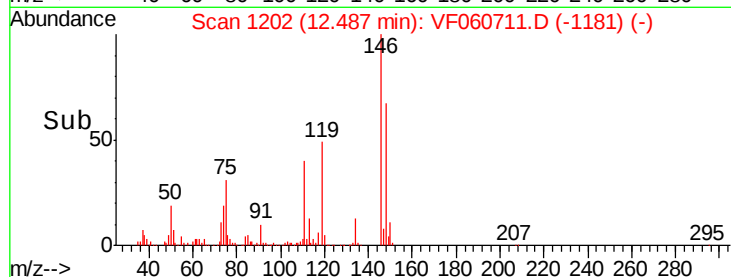
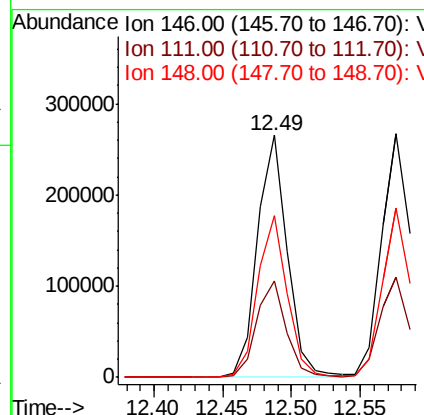
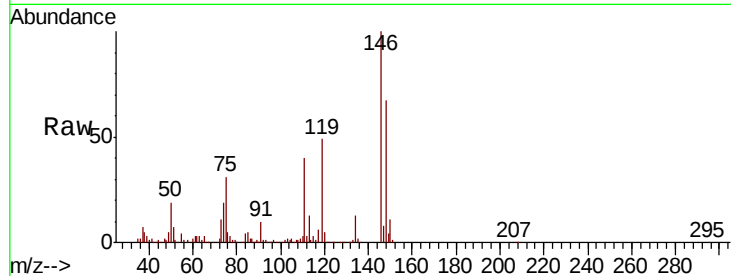
#87
 1,3-Dichlorobenzene
 Concen: 66.458 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	66.8	33.3	99.9

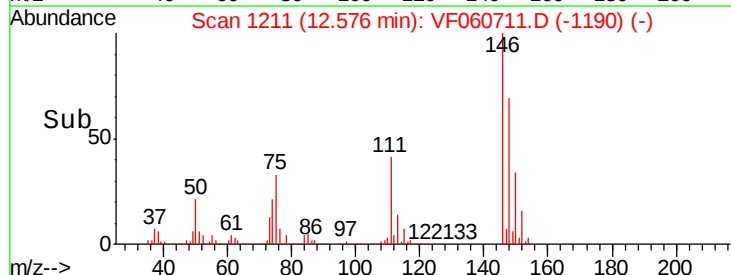
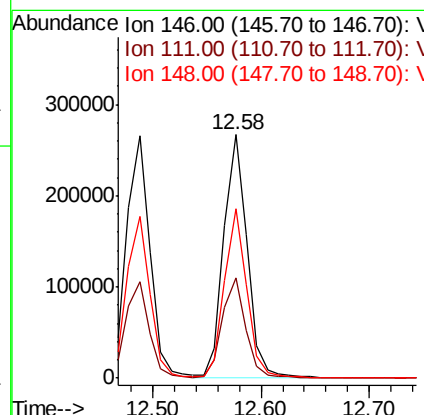
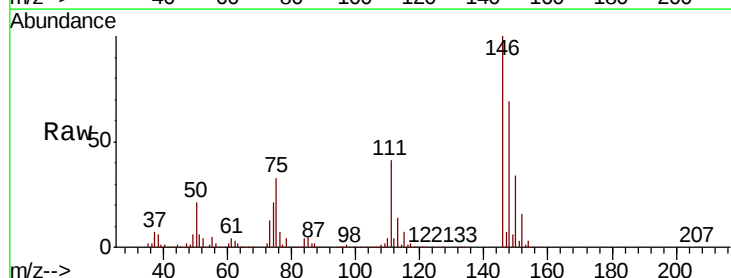
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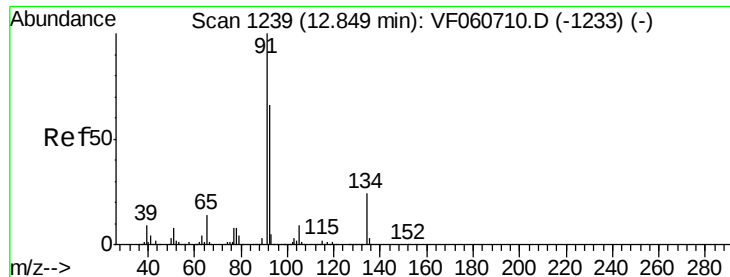
MMDadoda
 11/14/2018 12:55:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 68.901 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	69.4	34.7	104.1





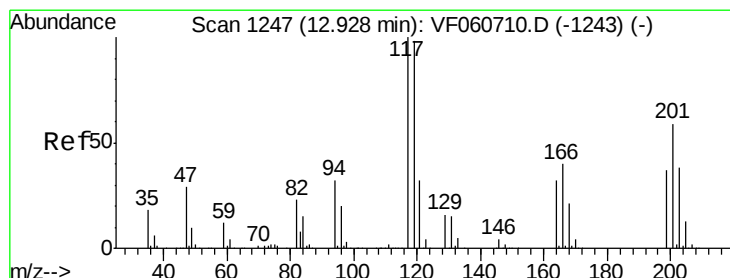
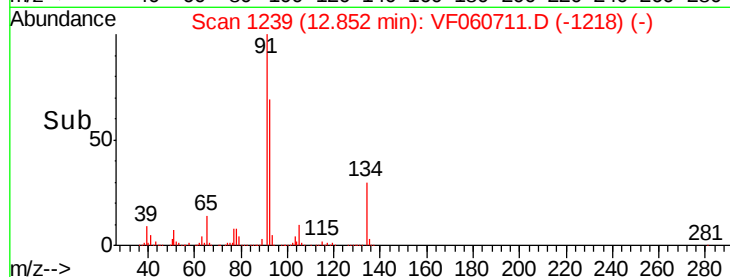
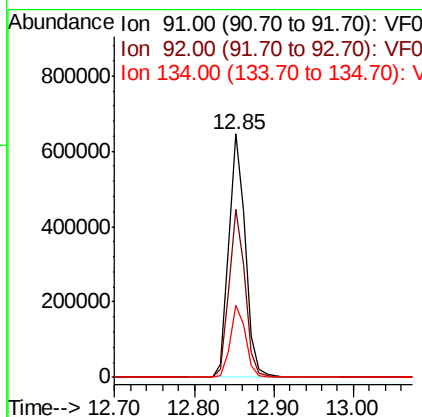
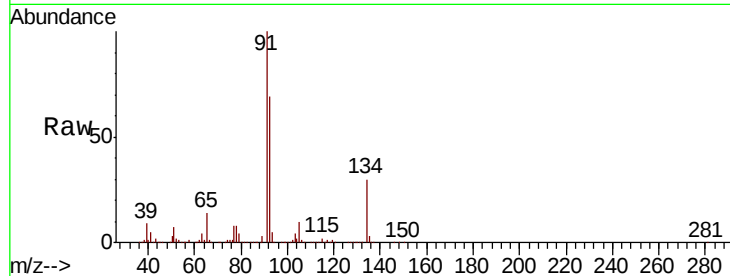
#89
n-Butylbenzene
Concen: 66.394 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.1	33.1	99.2
134	29.7	11.9	35.9

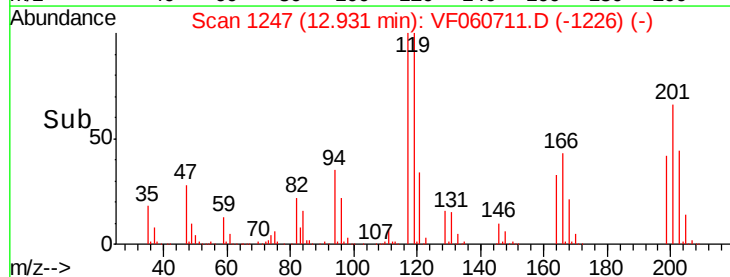
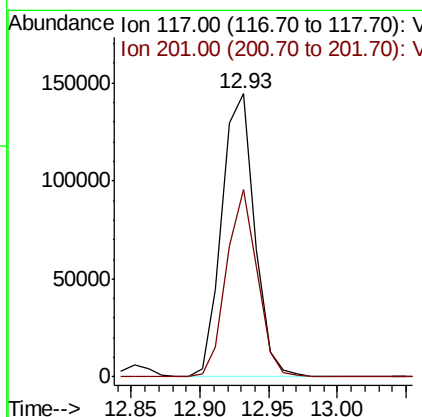
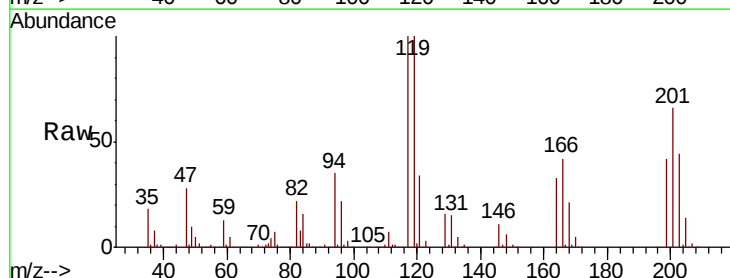
Manual Integrations
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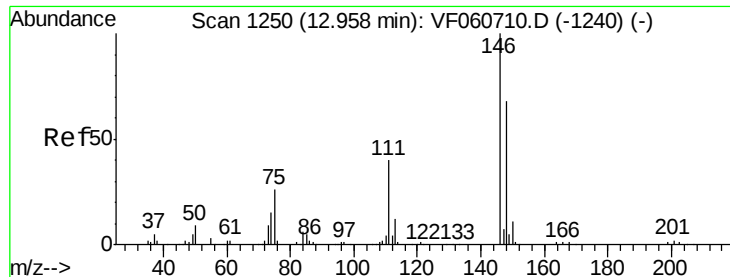
MMDadoda
11/14/2018 12:55:32 PM



#90
Hexachloroethane
Concen: 69.768 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	29.4	88.3





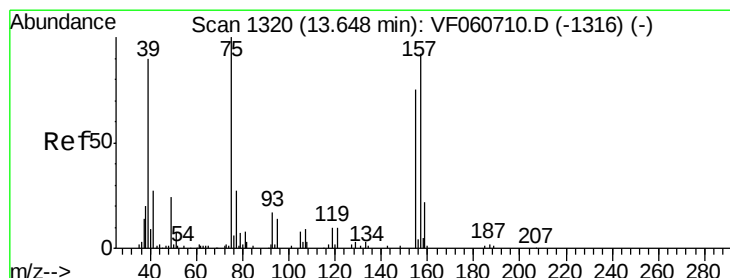
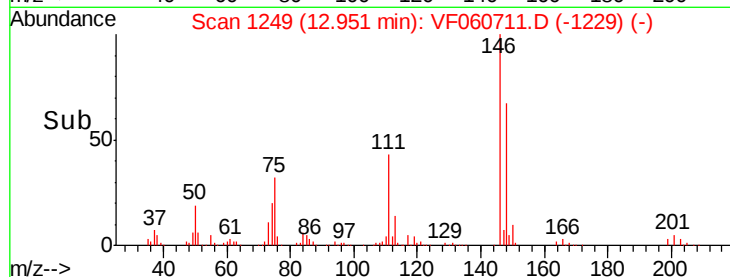
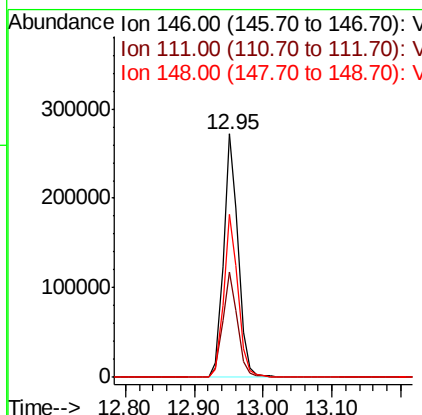
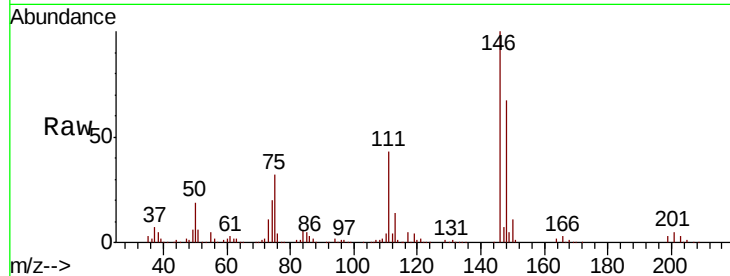
#91
 1,2-Dichlorobenzene
 Concen: 69.532 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	398450		
111	43.4	20.3	60.8	
148	67.1	34.1	102.3	

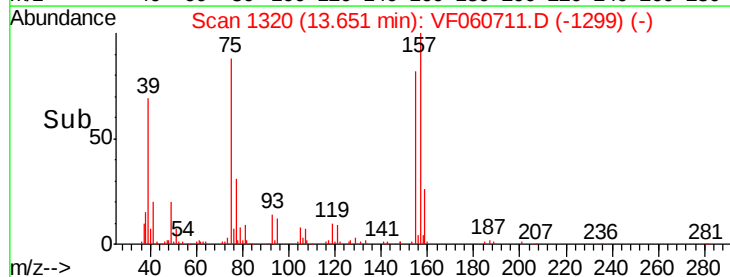
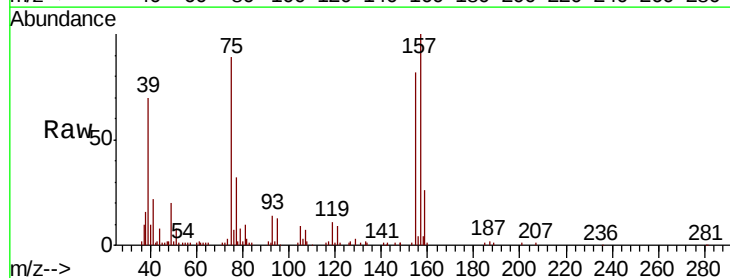
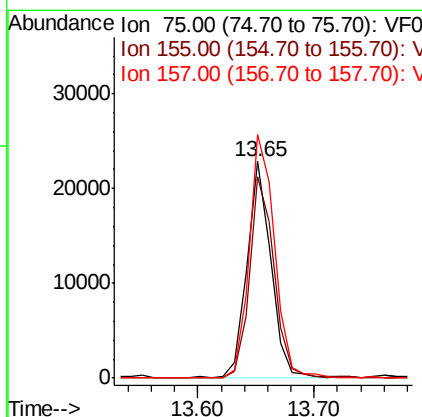
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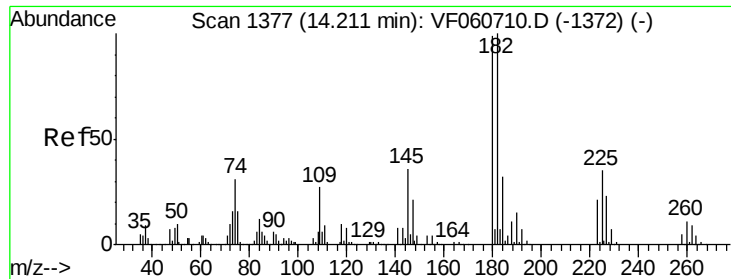
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.688 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32729		
155	92.9	37.4	112.2	
157	112.7	46.0	138.0	





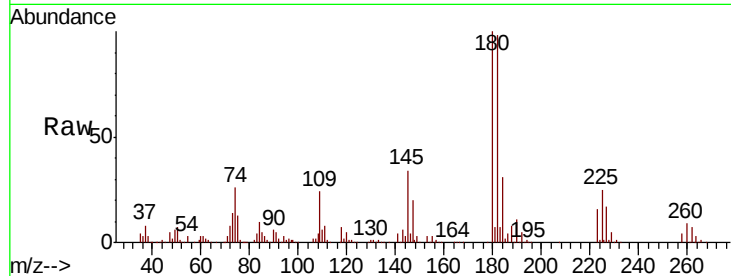
#93
 1,2,4-Trichlorobenzene
 Concen: 68.253 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281119		
182	97.6	50.3	151.0	
145	33.6	18.3	54.9	

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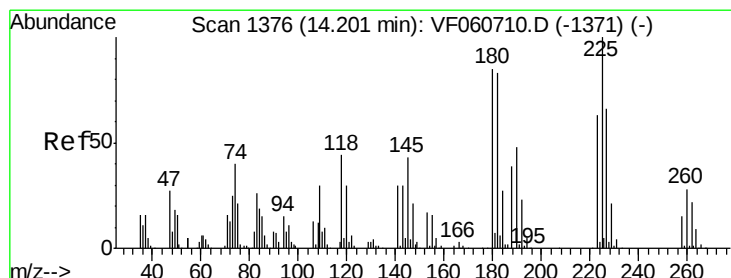
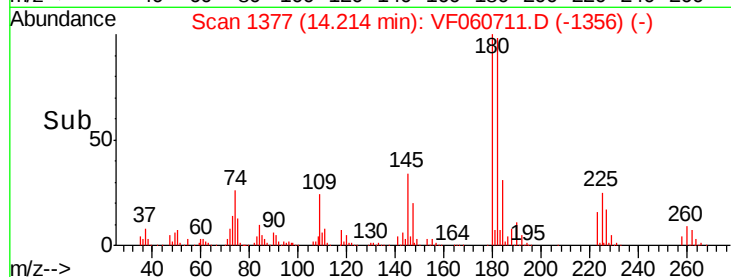
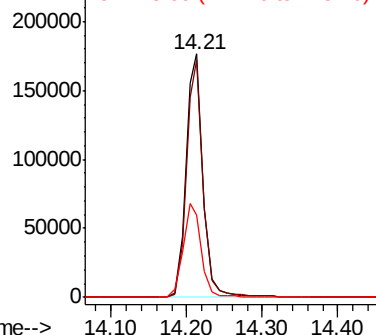


Abundance

Ion 180.00 (179.70 to 180.70): V

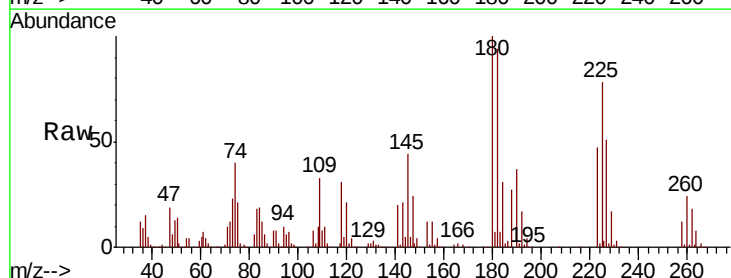
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 69.786 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060711.D
 Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187829		
223	60.0	31.5	94.5	
227	65.1	33.0	99.0	

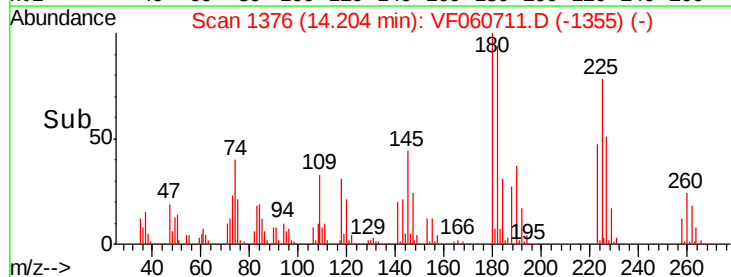
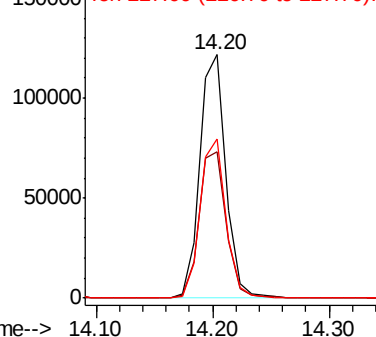


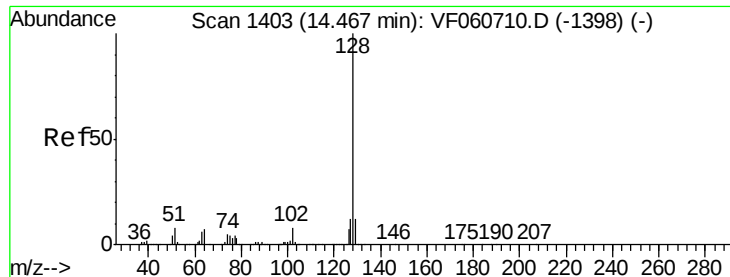
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





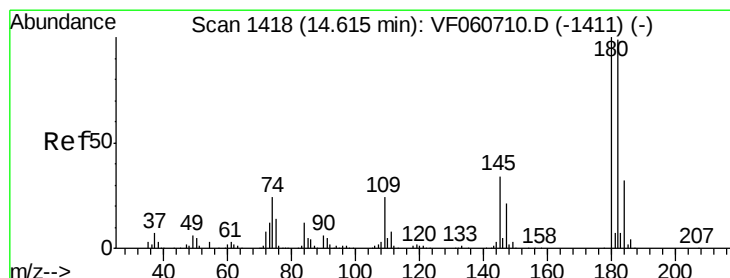
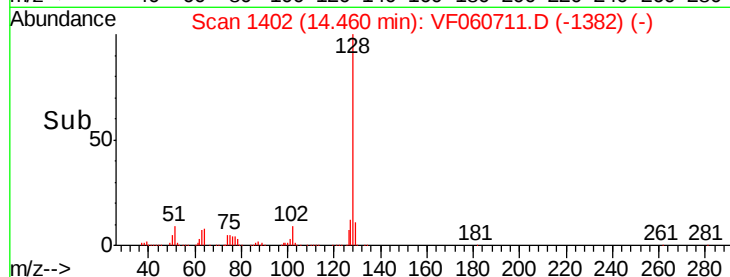
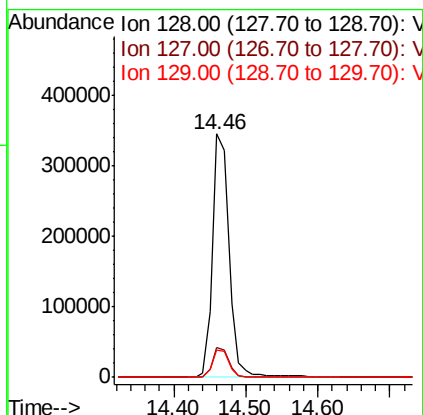
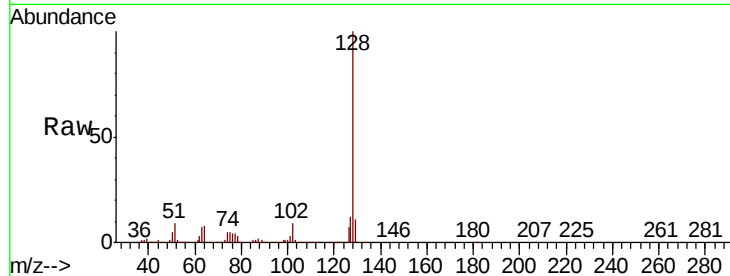
#95
Naphthalene
Concen: 73.146 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	549725		
127	12.2		9.8	14.6
129	11.3		9.3	13.9

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#96
1,2,3-Trichlorobenzene
Concen: 69.709 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060711.D
Acq: 13 Nov 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	265310		
182	96.4		49.6	149.0
145	36.3		16.9	50.7

