

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060557.D
 Acq On : 2 Nov 2018 11:33
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:33 PM

Quant Time: Nov 03 03:39:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	270502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	435123	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	379455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	214236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	26419	6.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.40%	
35) Dibromofluoromethane	4.12	113	34976	8.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.12%	
50) Toluene-d8	7.56	98	105017	10.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.84%	
62) 4-Bromofluorobenzene	11.41	95	46601	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.96	85	38224	7.589	ug/l	99
3) Chloromethane	1.10	50	26389	8.693	ug/l	89
4) Vinyl Chloride	1.14	62	23876	7.636	ug/l #	77
5) Bromomethane	1.32	94	11954	5.042	ug/l	93
6) Chloroethane	1.37	64	10264	6.442	ug/l	98
7) Trichlorofluoromethane	1.49	101	43892	6.024	ug/l	97
8) Diethyl Ether	1.63	74	8476	8.955	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	25030	6.901	ug/l	97
10) Methyl Iodide	1.90	142	39081m	6.906	ug/l	
11) Tert butyl alcohol	2.57	59	8277	43.766	ug/l #	37
12) 1,1-Dichloroethene	1.79	96	21594	7.394	ug/l	95
13) Acrolein	2.00	56	6681	41.184	ug/l #	73
14) Allyl chloride	2.09	41	35157	7.497	ug/l	96
15) Acrylonitrile	2.94	53	18037	44.399	ug/l	95
16) Acetone	2.24	43	37172	43.304	ug/l	95
17) Carbon Disulfide	1.84	76	59287m	7.279	ug/l	
18) Methyl Acetate	2.35	43	9703	7.769	ug/l #	91
19) Methyl tert-butyl Ether	2.44	73	47028	7.338	ug/l	96
20) Methylene Chloride	2.18	84	25124m	8.223	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22886	7.653	ug/l	92
22) Diisopropyl ether	2.80	45	68778	8.095	ug/l #	94
23) Vinyl Acetate	3.19	43	213260	63.683	ug/l	98
24) 1,1-Dichloroethane	2.87	63	40396	6.644	ug/l	96
25) 2-Butanone	4.33	43	88729	70.909	ug/l	96
26) 2,2-Dichloropropane	3.59	77	29713	7.915	ug/l	87
27) cis-1,2-Dichloroethene	3.47	96	38324	10.151	ug/l	95
28) Bromochloromethane	3.72	49	25514	11.055	ug/l	94
29) Tetrahydrofuran	4.09	42	29023	74.799	ug/l	99
30) Chloroform	3.86	83	62218	8.032	ug/l	92
31) Cyclohexane	3.69	56	59275	12.648	ug/l #	96
32) 1,1,1-Trichloroethane	4.10	97	44996	7.180	ug/l	91
36) 1,1-Dichloropropene	4.28	75	49241	9.232	ug/l	93
37) Ethyl Acetate	4.12	43	25528	14.015	ug/l #	74
38) Carbon Tetrachloride	3.99	117	42932	7.045	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	59431	10.620	ug/l	94
40) Benzene	4.63	78	129519	11.881	ug/l	93
41) Methacrylonitrile	4.74	41	13603	13.040	ug/l #	86
42) 1,2-Dichloroethane	4.94	62	32823	6.983	ug/l	100
43) Isopropyl Acetate	6.97	43	30205	13.899	ug/l #	93
44) Trichloroethene	5.51	130	36453	10.403	ug/l	99
45) 1,2-Dichloropropane	6.24	63	29216	10.728	ug/l	98
46) Dibromomethane	6.09	93	18101	8.810	ug/l	90
47) Bromodichloromethane	6.38	83	47337	9.093	ug/l	98
48) Methyl methacrylate	6.72	41	18664	12.708	ug/l	94
49) 1,4-Dioxane	6.71	88	4630	323.104	ug/l #	69
51) 4-Methyl-2-Pentanone	8.26	43	110798	70.733	ug/l	99
52) Toluene	7.63	92	81911	11.708	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	43872	10.708	ug/l	90
54) cis-1,3-Dichloropropene	7.30	75	51958	10.465	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	23002	11.214	ug/l	98
56) Ethyl methacrylate	8.62	69	29889	12.870	ug/l	94
57) 1,3-Dichloropropane	8.85	76	38887	11.193	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	10796	46.260	ug/l	100
59) 2-Hexanone	9.49	43	88487	77.991	ug/l	90
60) Dibromochloromethane	8.72	129	31109	9.534	ug/l	92
61) 1,2-Dibromoethane	8.99	107	23226	9.824	ug/l	99
64) Tetrachloroethene	8.15	164	31385	9.939	ug/l	97
65) Chlorobenzene	9.80	112	78146	10.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	34732	10.073	ug/l	98
67) Ethyl Benzene	9.91	91	149961	10.382	ug/l	97
68) m/p-Xylenes	10.13	106	111127	22.269	ug/l	90
69) o-Xylene	10.71	106	60918	10.885	ug/l	94
70) Styrene	10.79	104	87079	10.993	ug/l	96
71) Bromoform	10.77	173	17822	10.150	ug/l #	87
73) Isopropylbenzene	11.13	105	173555	10.474	ug/l	95
74) N-amyl acetate	11.38	43	50700	14.605	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	31319	11.294	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	16757	8.802	ug/l	97
77) Bromobenzene	11.50	156	37759	10.412	ug/l	82
78) n-propylbenzene	11.59	91	207706	10.637	ug/l	97
79) 2-Chlorotoluene	11.72	91	118409	10.184	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	145460	10.290	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	11557m	12.433	ug/l	
82) 4-Chlorotoluene	11.91	91	121736	10.141	ug/l	98
83) tert-Butylbenzene	12.14	119	150902	10.865	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	142548	9.927	ug/l	93
85) sec-Butylbenzene	12.31	105	206826	10.623	ug/l	99
86) p-Isopropyltoluene	12.46	119	175480	10.991	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	76542	10.560	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	69100	10.088	ug/l	97
89) n-Butylbenzene	12.85	91	175871	10.507	ug/l	92
90) Hexachloroethane	12.92	117	41054	9.977	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	69798	10.267	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	5445	9.698	ug/l	70

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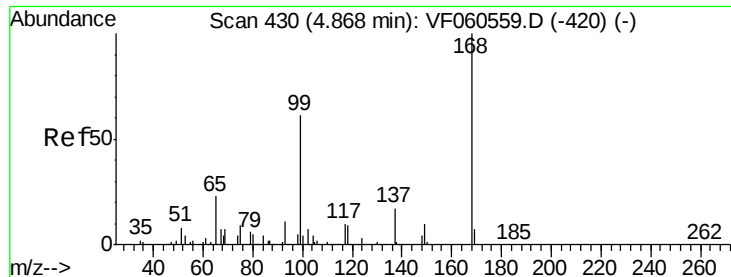
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 04:25:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	46888	9.321	ug/l	97
94) Hexachlorobutadiene	14.20	225	29161	8.283	ug/l	94
95) Naphthalene	14.46	128	89440	9.996	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	41224	8.633	ug/l	95

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



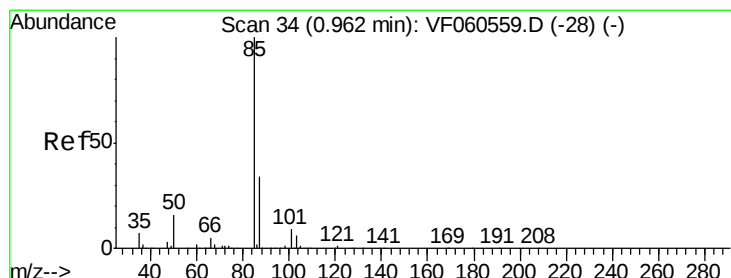
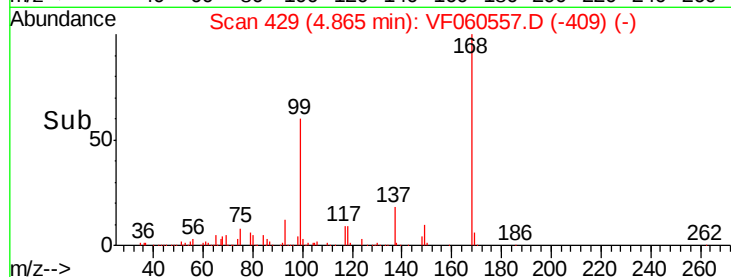
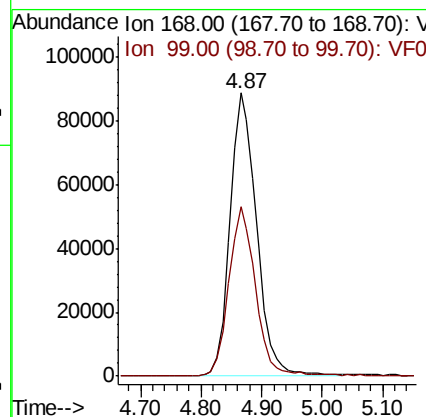
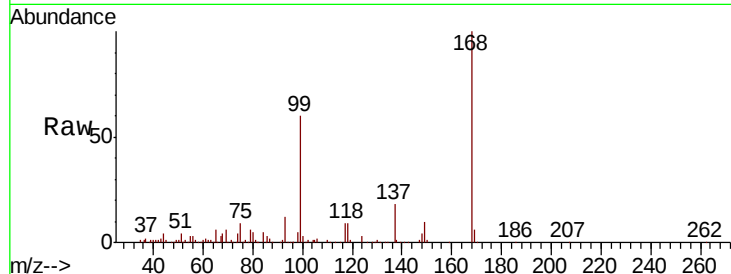
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 429
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.6	72.8

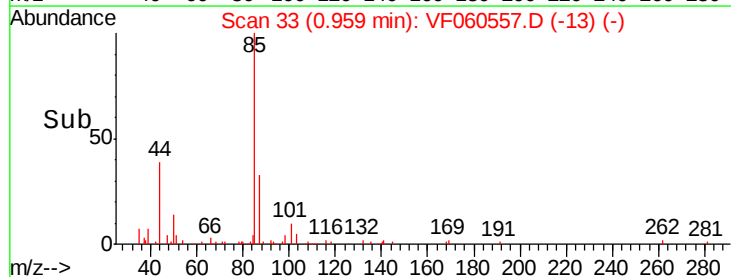
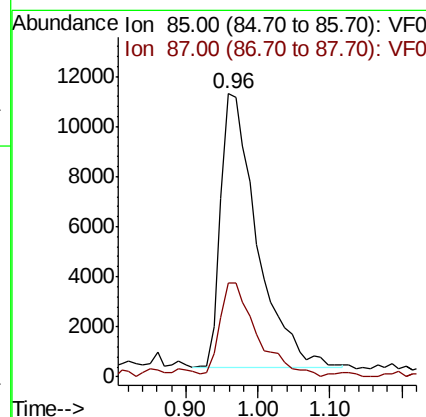
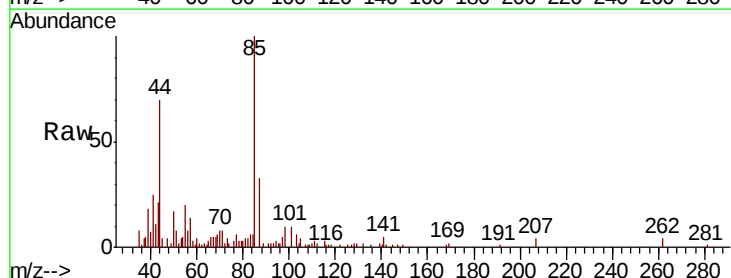
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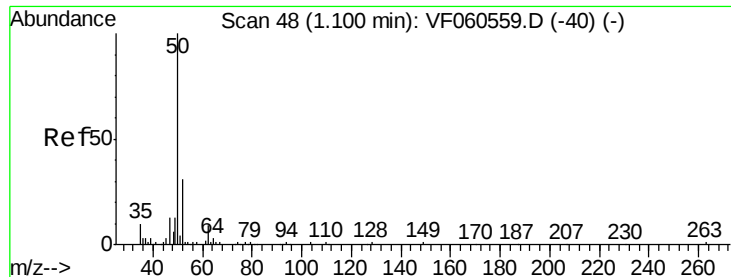
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#2
Dichlorodifluoromethane
Concen: 7.589 ug/l
RT: 0.96 min Scan# 33
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.9	50.7





#3

Chloromethane

Concen: 8.693 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 26389

Ion Ratio Lower Upper

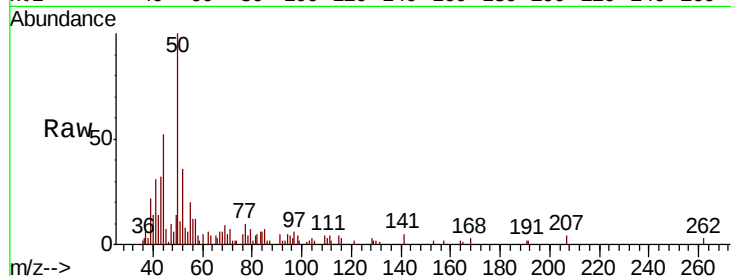
50 100

52 35.9 24.0 36.0

Manual Integrations
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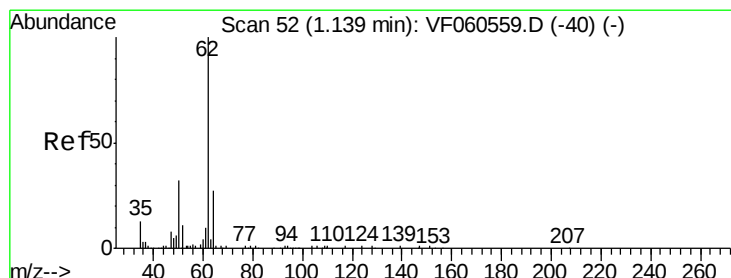
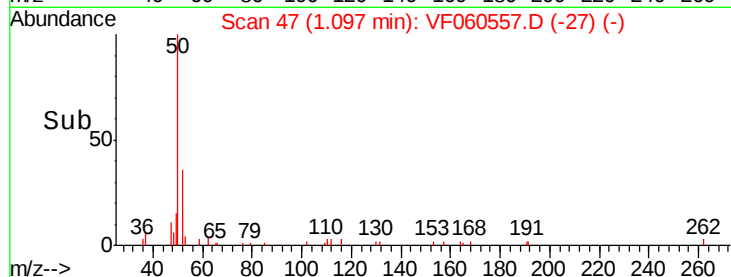
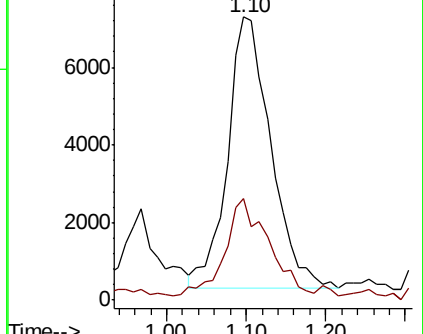
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 7.636 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF060557.D

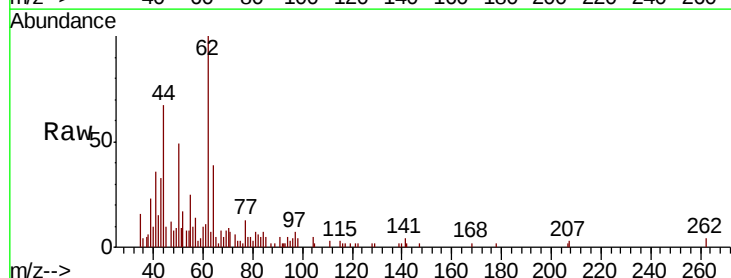
Acq: 2 Nov 2018 11:33

Tgt Ion: 62 Resp: 23876

Ion Ratio Lower Upper

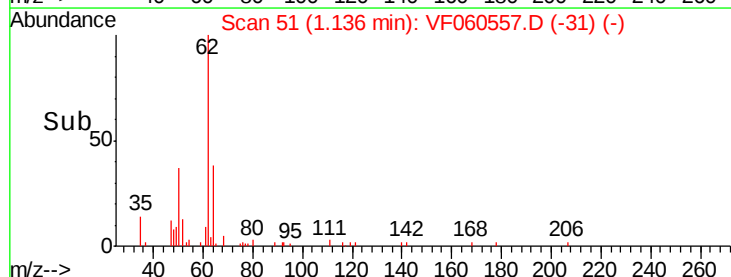
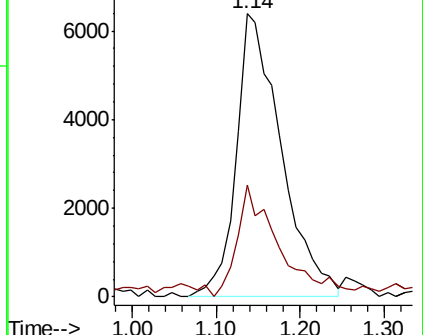
62 100

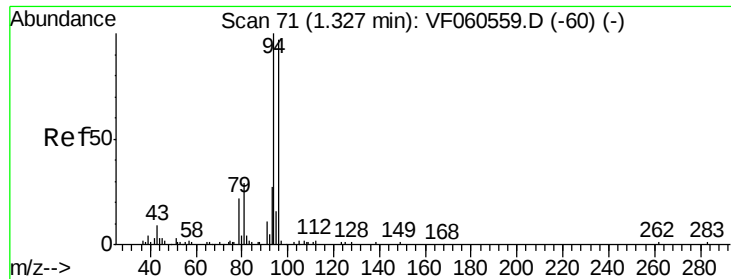
64 39.4 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 5.042 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 11954

Ion Ratio Lower Upper

94 100

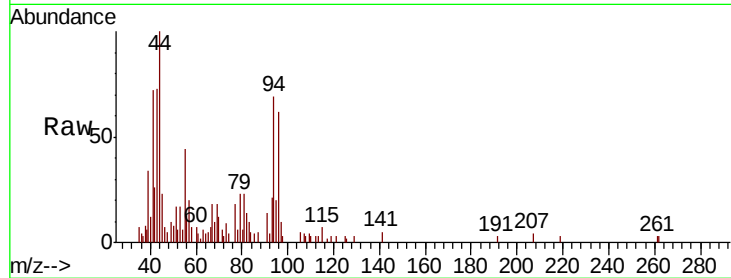
96 90.1 77.9 116.9

Manual Integrations

APPROVED

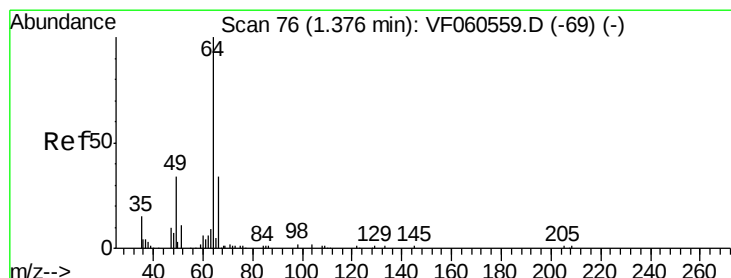
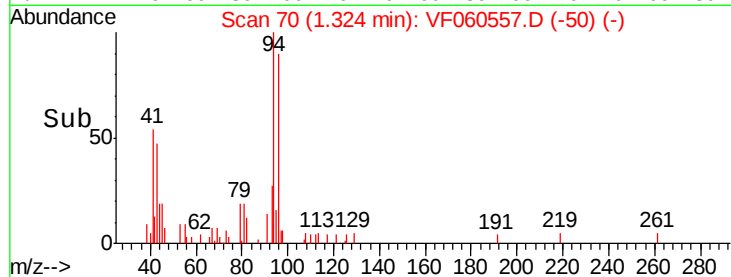
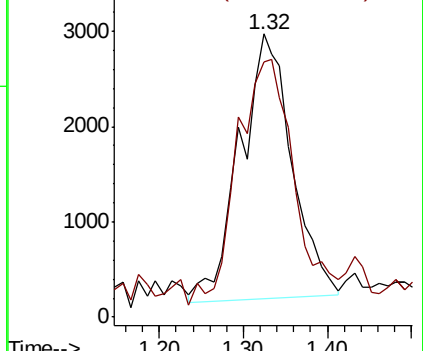
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.442 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.00 min

Lab File: VF060557.D

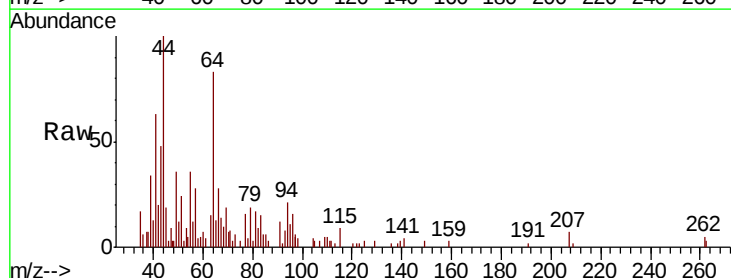
Acq: 2 Nov 2018 11:33

Tgt Ion: 64 Resp: 10264

Ion Ratio Lower Upper

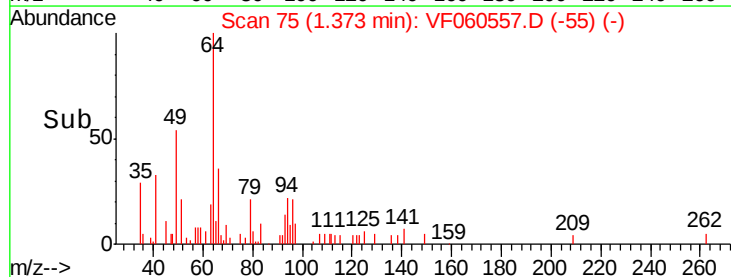
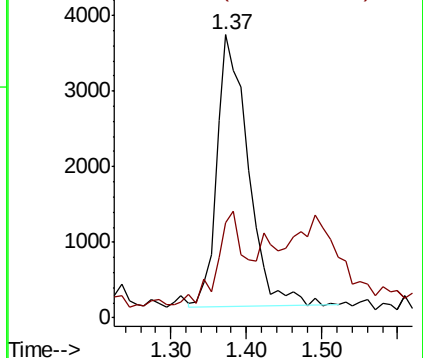
64 100

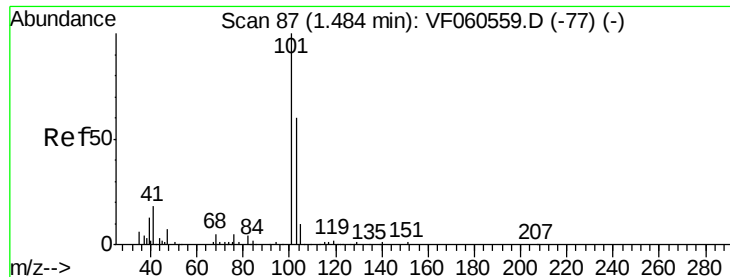
66 33.6 27.8 41.8



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

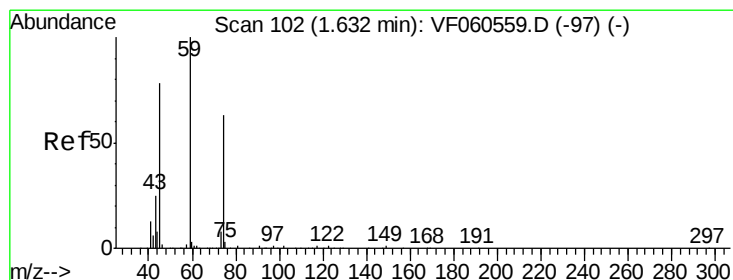
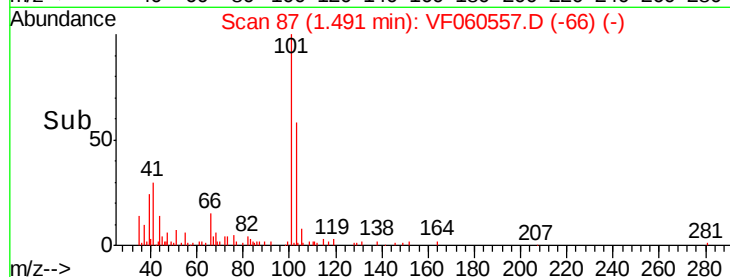
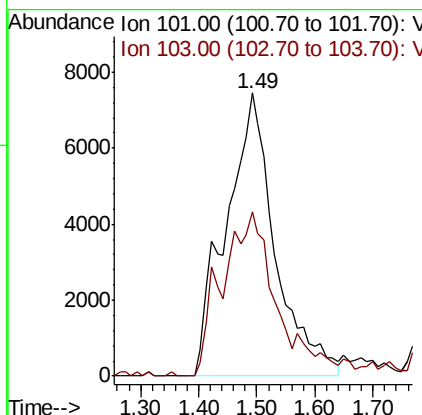
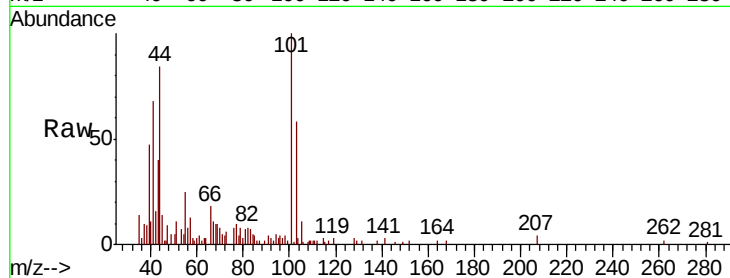
Trichlorofluoromethane
Concen: 6.024 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	48.0	72.0

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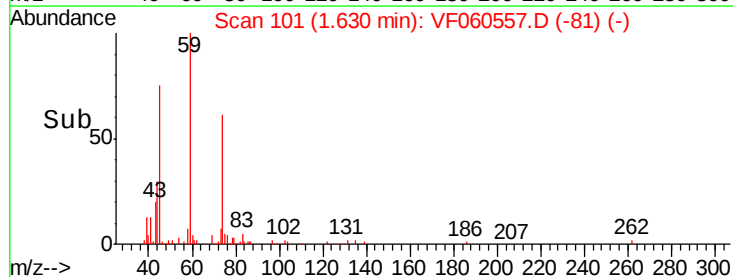
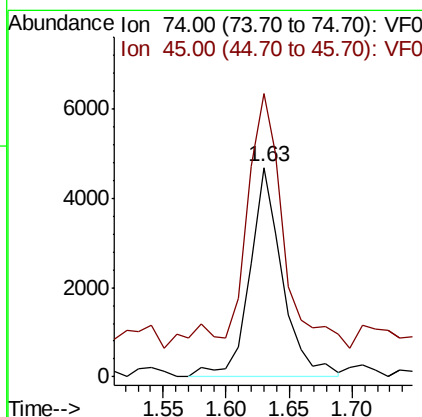
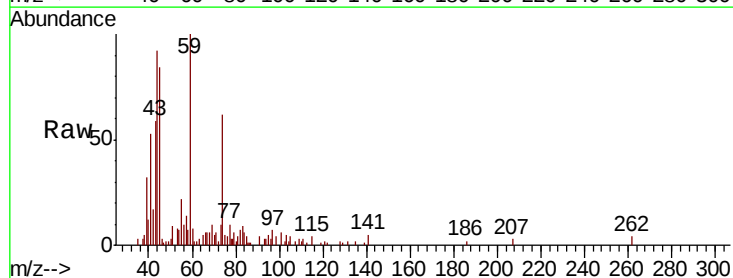
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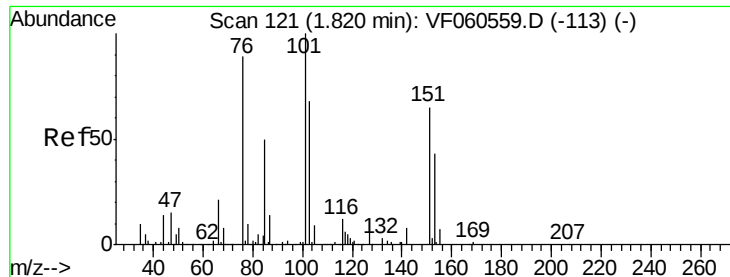


#8

Diethyl Ether
Concen: 8.955 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.1	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.901 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

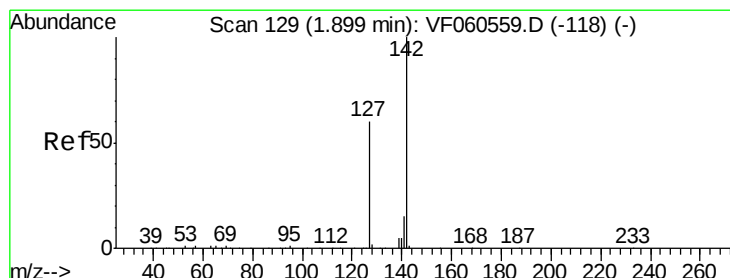
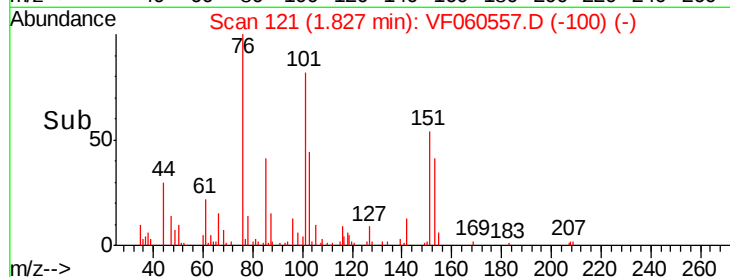
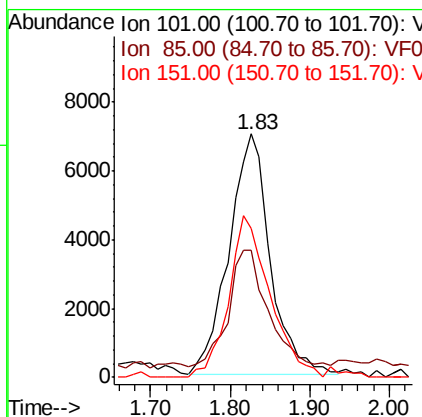
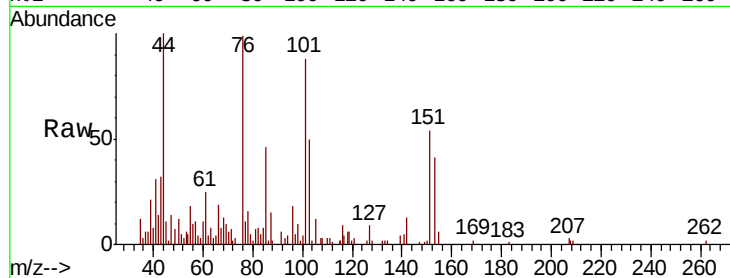
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	25030
Ion Ratio	Lower	Upper	
101	100		
85	52.2	39.8	59.6
151	61.4	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 6.906 ug/l m

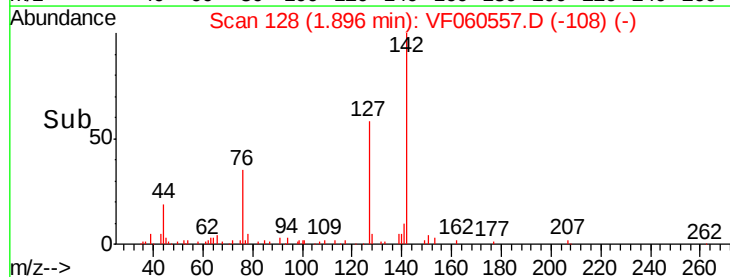
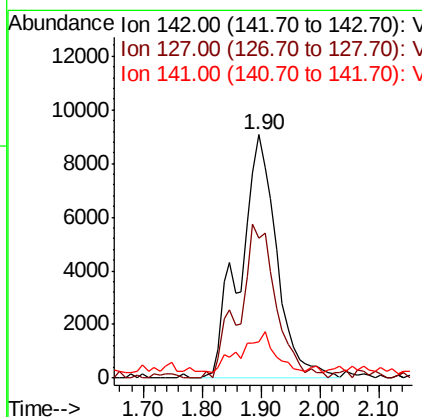
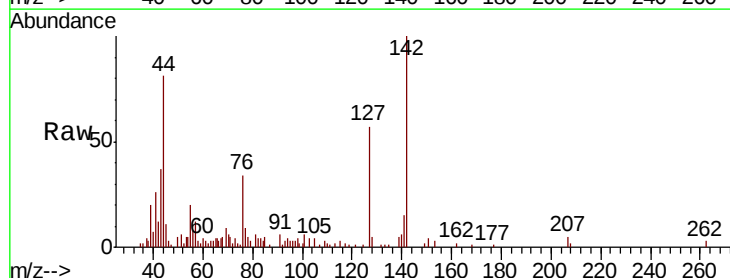
RT: 1.90 min Scan# 128

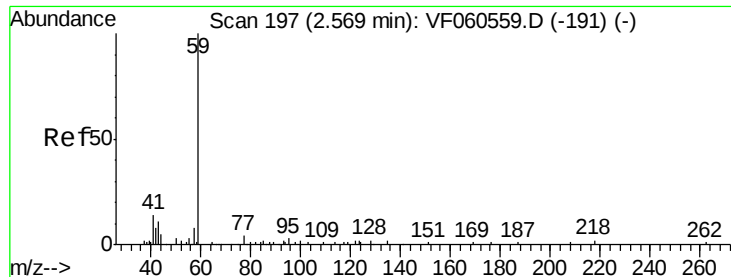
Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	142	Resp:	39081
Ion Ratio	Lower	Upper	
142	100		
127	57.3	47.8	71.6
141	15.1	12.7	19.1





#11

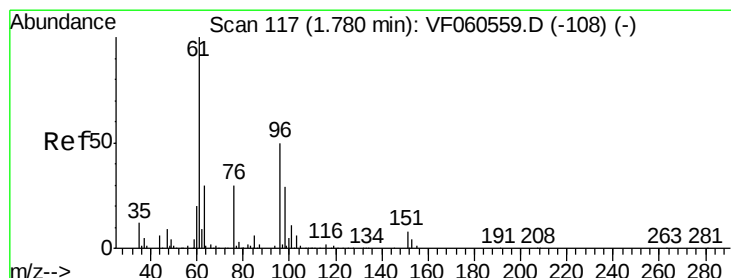
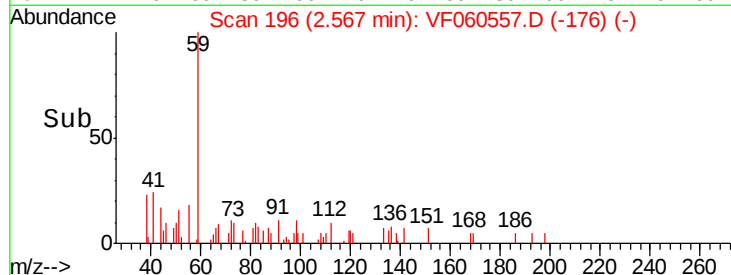
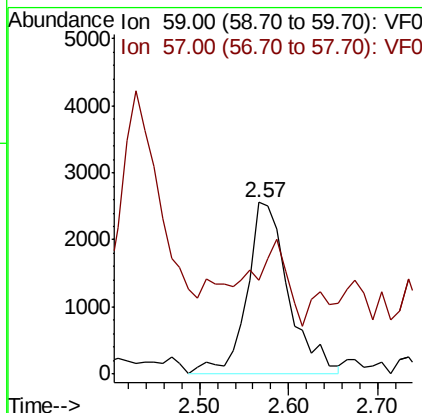
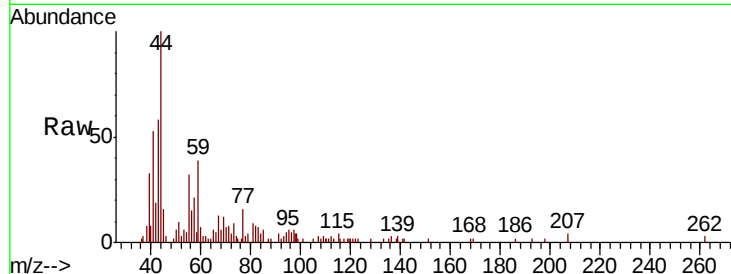
Tert butyl alcohol
Concen: 43.766 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	54.7	19.0	28.4#

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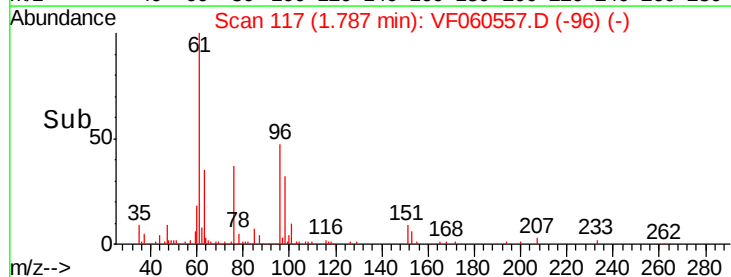
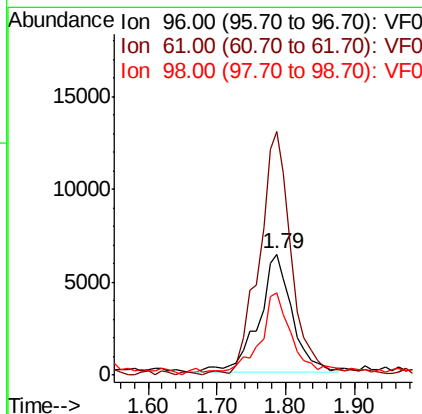
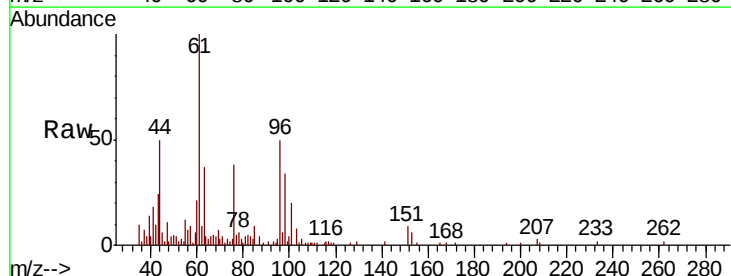
MMDadoda
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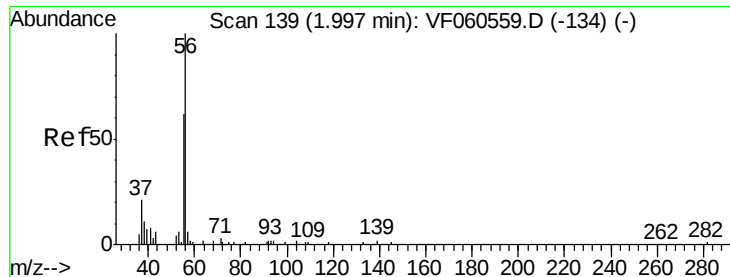


#12

1,1-Dichloroethene
Concen: 7.394 ug/l
RT: 1.79 min Scan# 117
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.3	158.1	237.1
98	67.7	47.0	70.6





#13

Acrolein

Concen: 41.184 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 6681

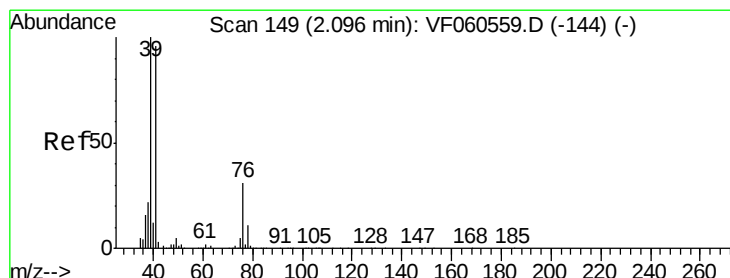
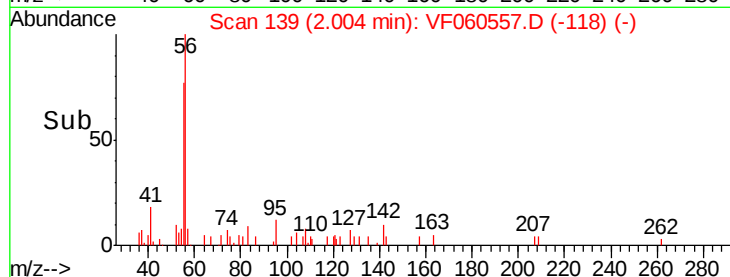
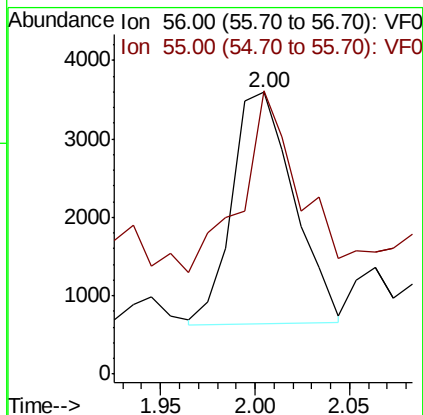
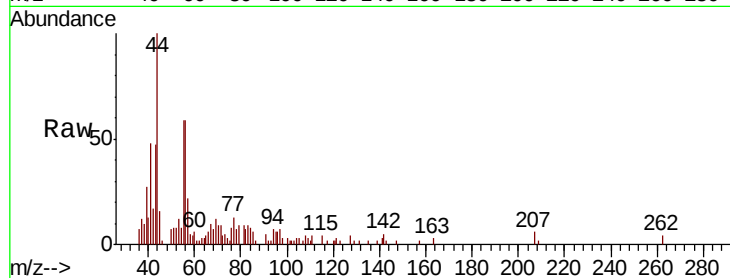
Ion Ratio Lower Upper

56 100

55 100.4 61.8 92.6#

Manual Integrations
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#14

Allyl chloride

Concen: 7.497 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

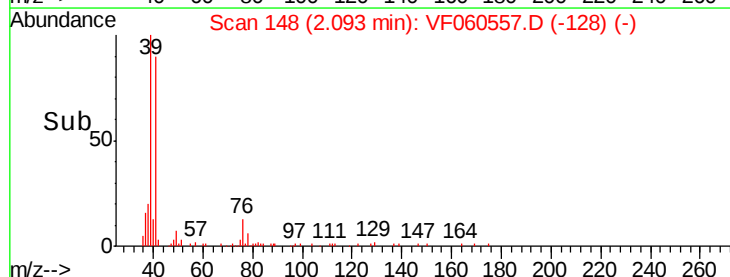
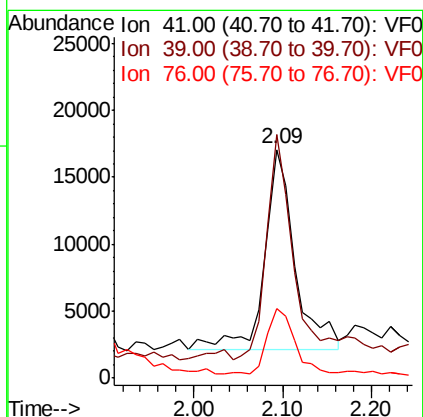
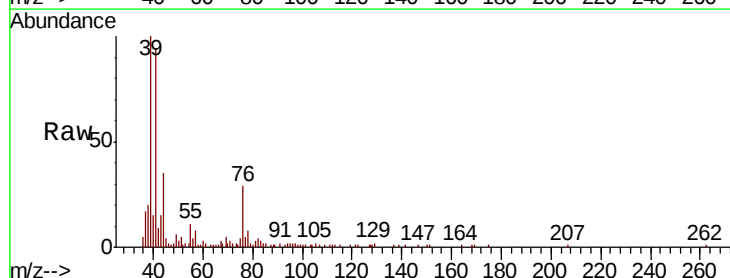
Tgt Ion: 41 Resp: 35157

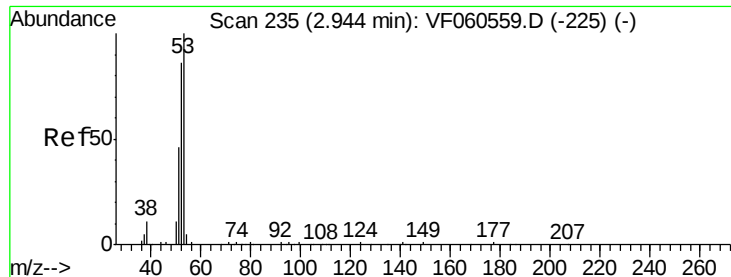
Ion Ratio Lower Upper

41 100

39 106.5 82.6 124.0

76 30.5 26.7 40.1





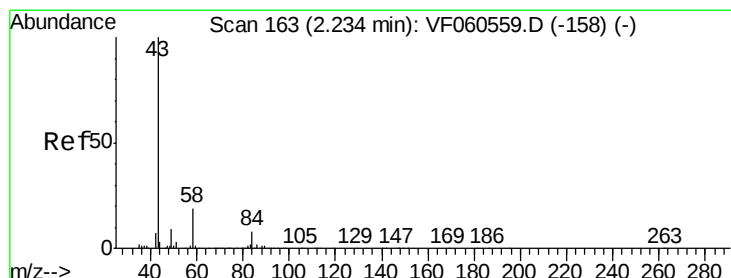
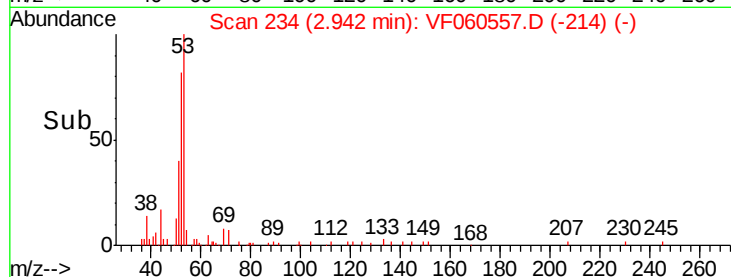
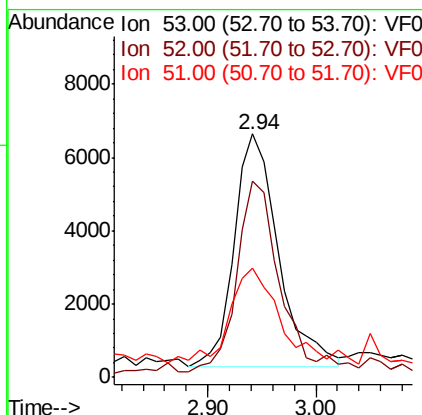
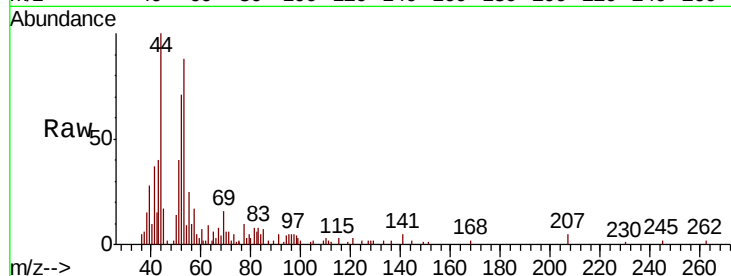
#15
 Acrylonitrile
 Concen: 44.399 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	53	Resp	18037
Ion Ratio	100	Lower	Upper
52	80.5	68.5	102.7
51	45.0	38.2	57.2

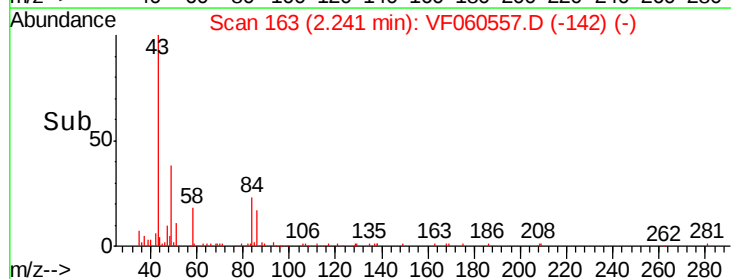
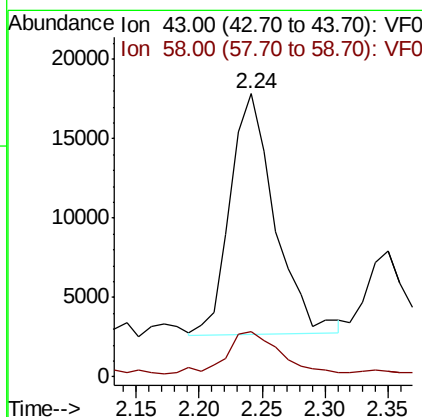
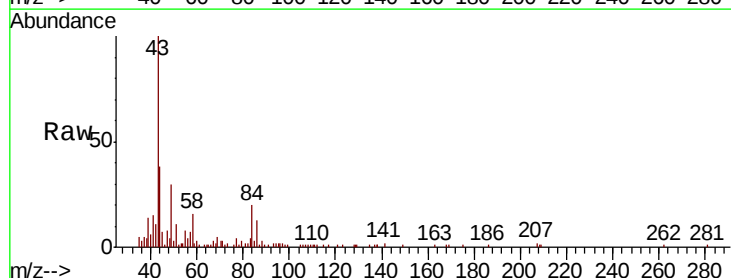
Manual Integrations
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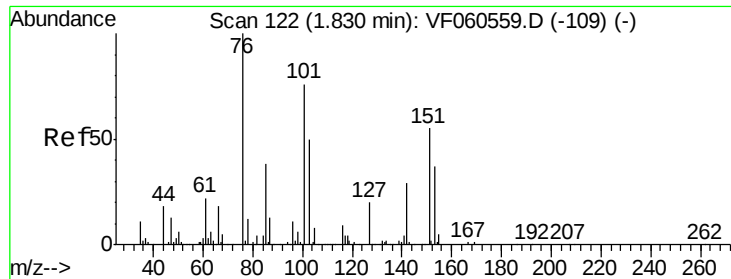
MMDadoda
 11/5/2018 3:55:33 PM



#16
 Acetone
 Concen: 43.304 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	43	Resp	37172
Ion Ratio	100	Lower	Upper
58	16.1	14.6	22.0





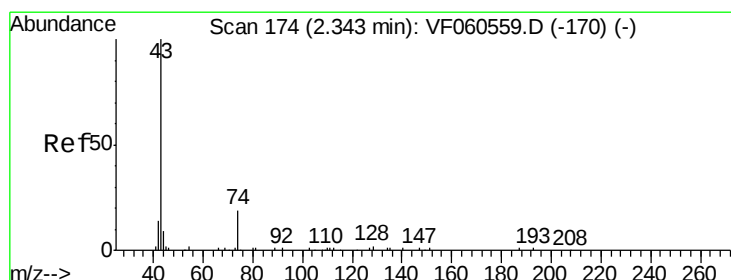
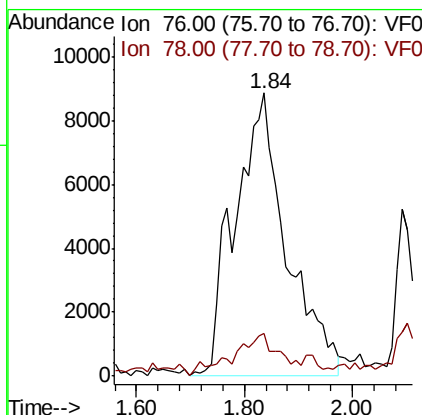
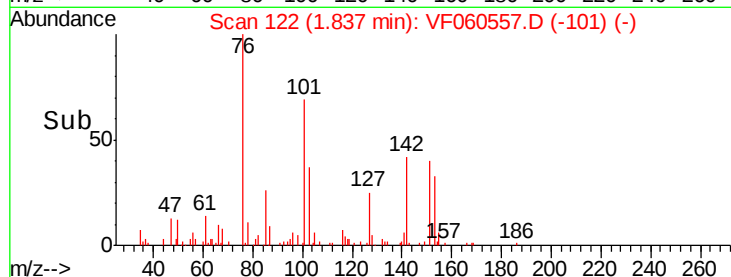
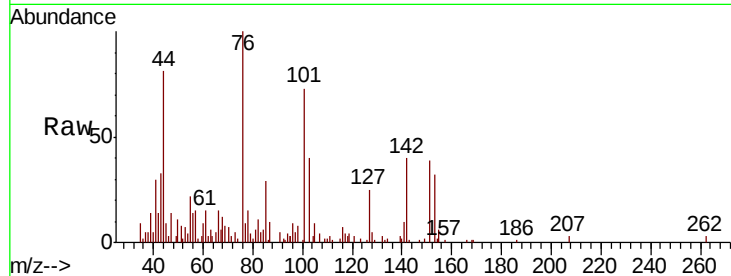
#17
Carbon Disulfide
Concen: 7.279 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 59287
Ion Ratio Lower Upper
76 100
78 15.1 9.9 14.9#

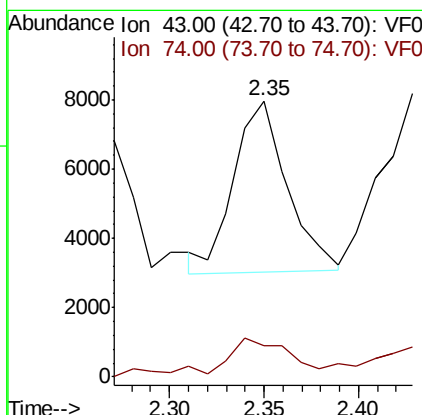
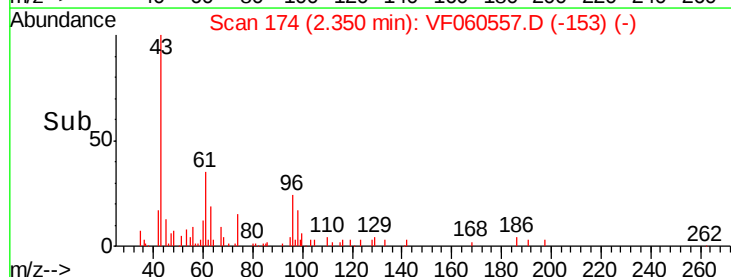
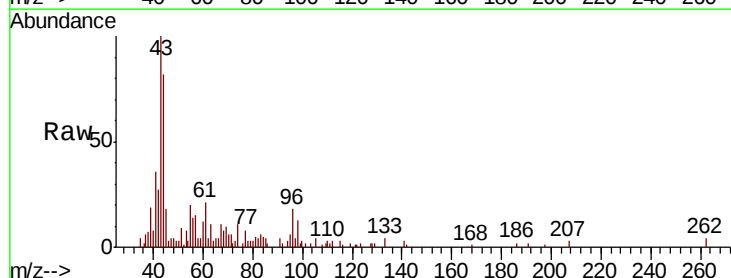
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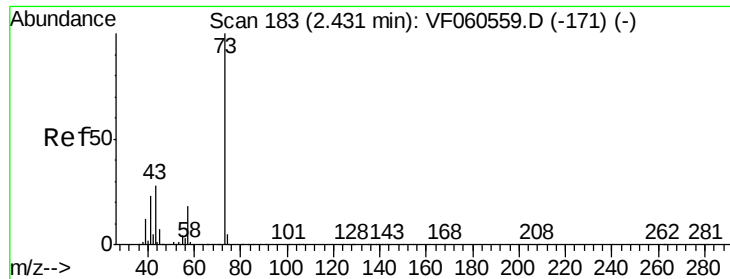
MMDadoda
11/5/2018 3:55:33 PM



#18
Methyl Acetate
Concen: 7.769 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion: 43 Resp: 9703
Ion Ratio Lower Upper
43 100
74 11.3 12.1 18.1#





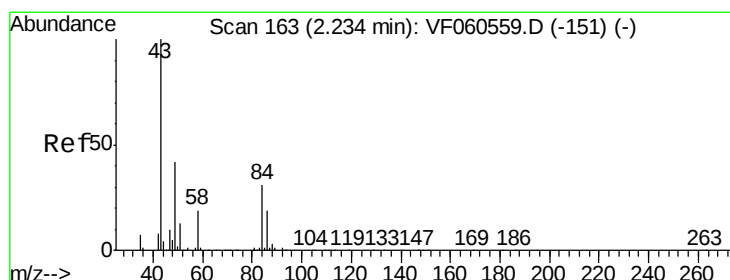
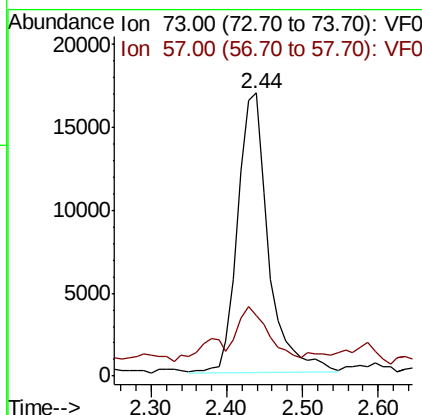
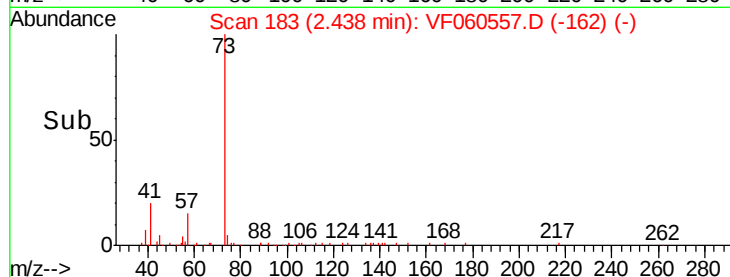
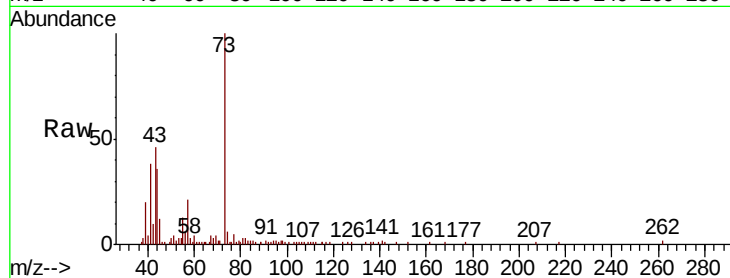
#19
Methvl tert-butvl Ether
Concen: 7.338 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 47028
Ion Ratio Lower Upper
73 100
57 21.2 15.4 23.0

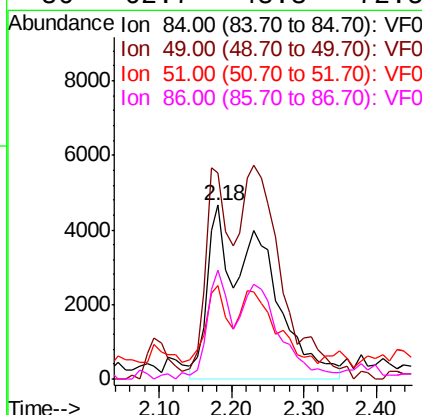
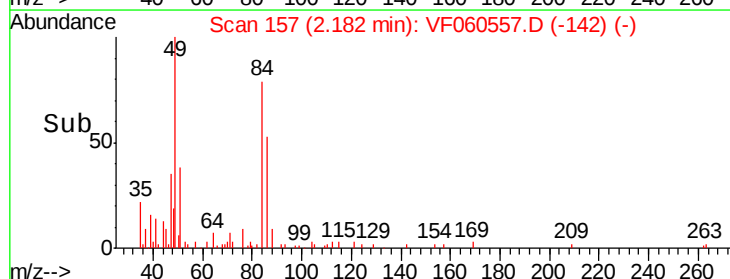
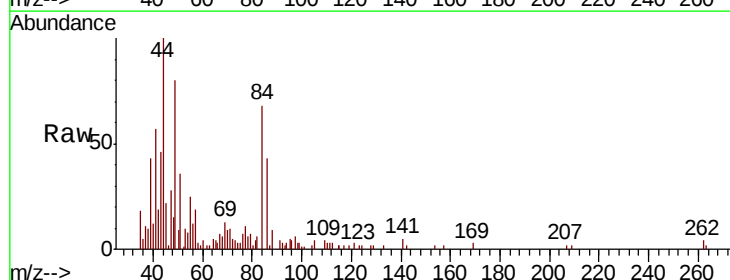
Manual Integrations
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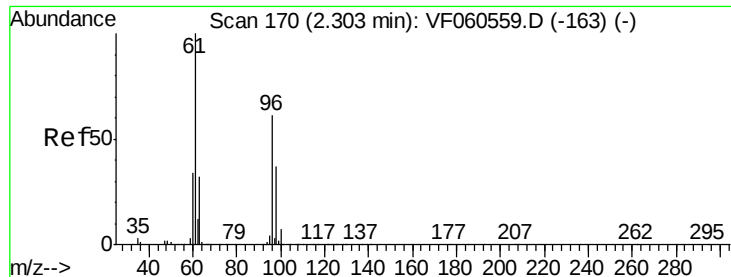
MMDadoda
11/5/2018 3:55:33 PM



#20
Methylene Chloride
Concen: 8.223 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.05 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion: 84 Resp: 25124
Ion Ratio Lower Upper
84 100
49 118.4 109.9 164.9
51 53.7 35.8 53.8
86 62.7 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 7.653 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

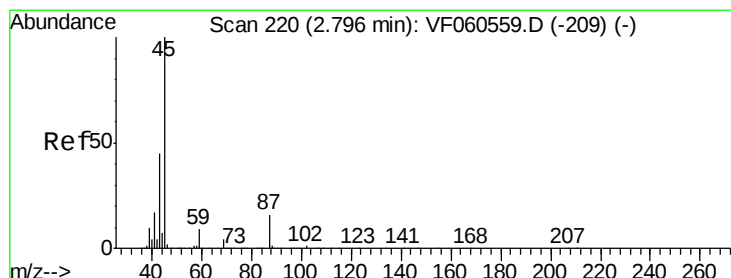
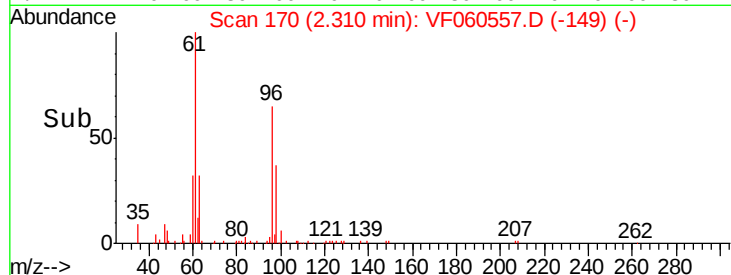
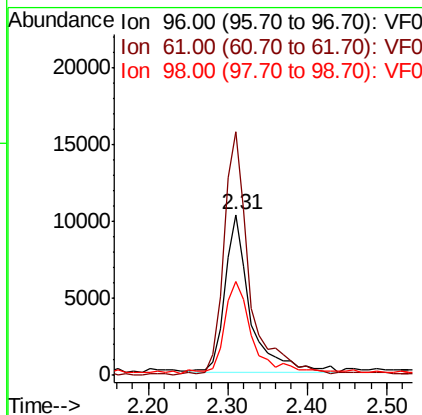
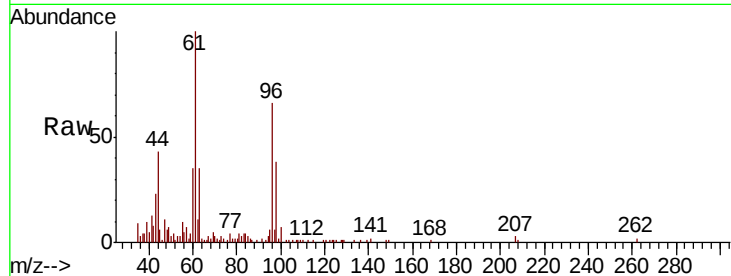
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	22886
Ion	Ratio	Lower	Upper
96	100		
61	151.3	131.3	196.9
98	58.3	48.6	73.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 8.095 ug/l

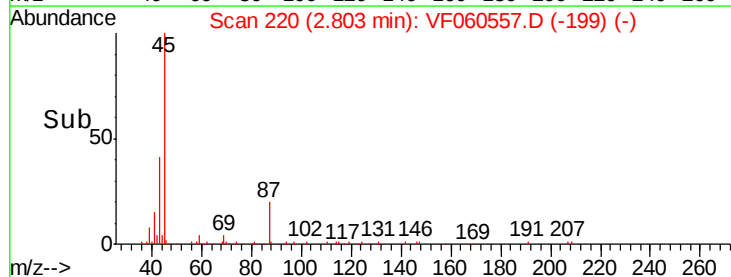
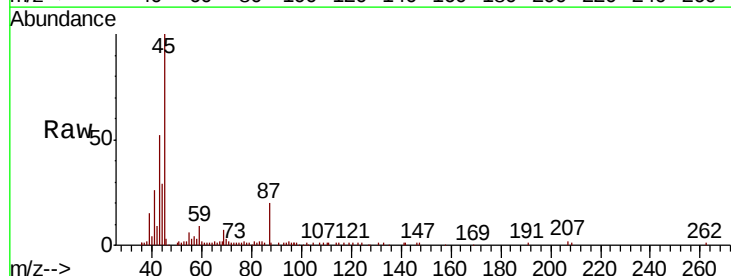
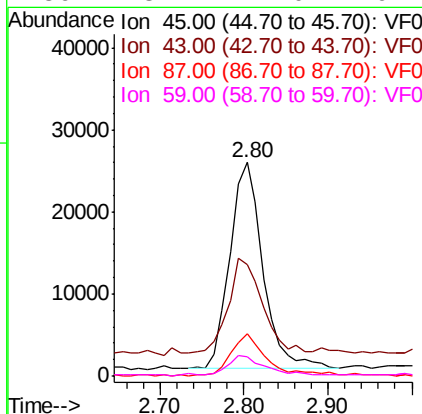
RT: 2.80 min Scan# 220

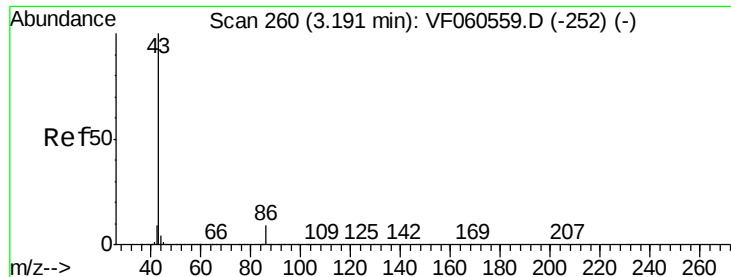
Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	45	Resp:	68778
Ion	Ratio	Lower	Upper
45	100		
43	51.9	38.1	57.1
87	19.7	12.7	19.1#
59	8.7	7.0	10.4





#23

Vinyl Acetate

Concen: 63.683 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 213260

Ion Ratio Lower Upper

43 100

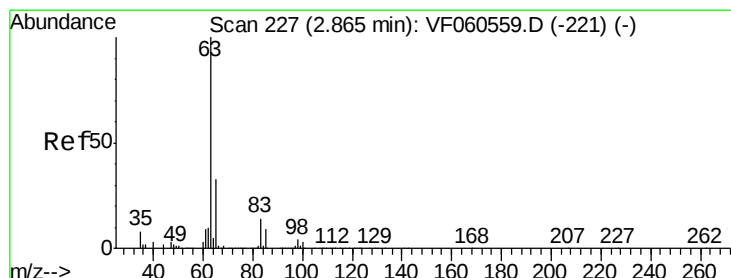
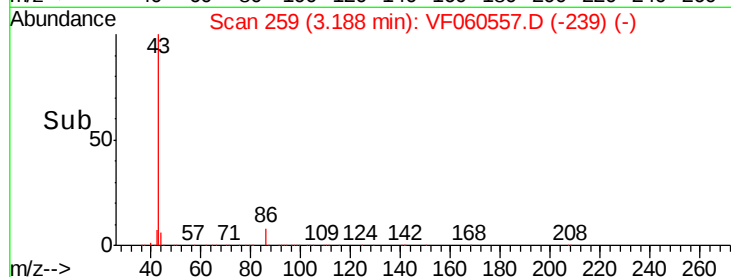
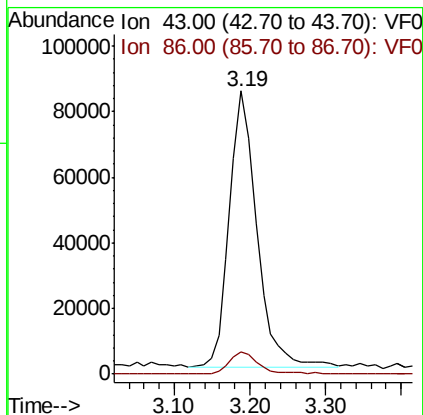
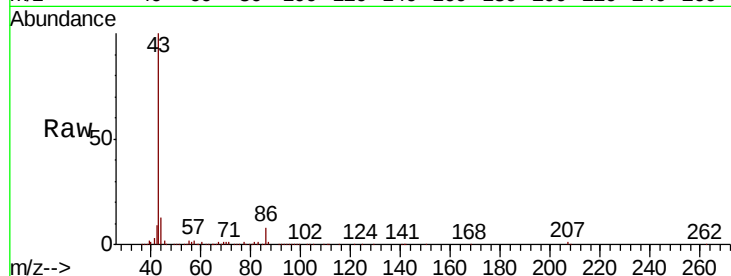
86 8.1 7.1 10.7

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 6.644 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

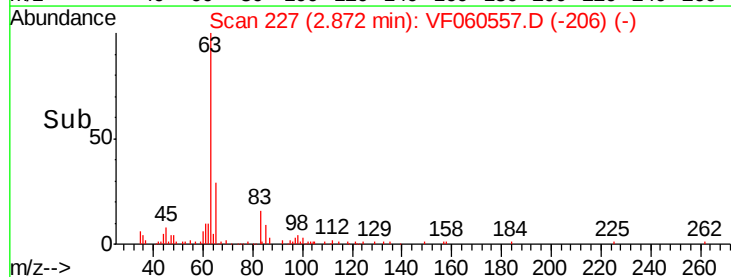
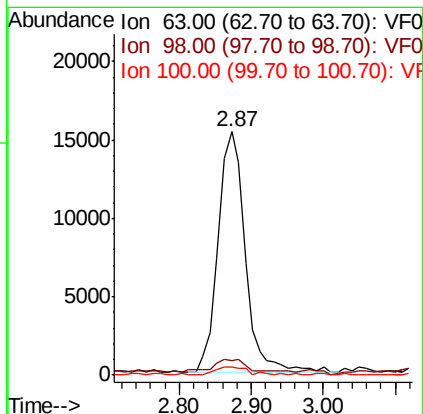
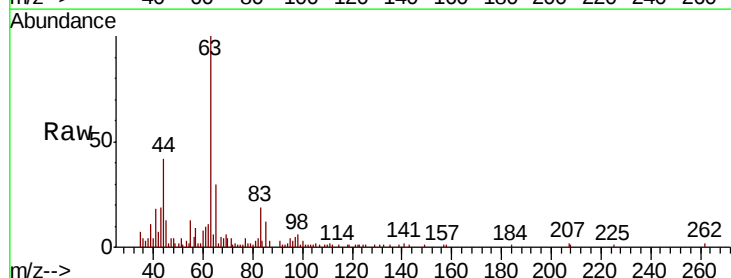
Tgt Ion: 63 Resp: 40396

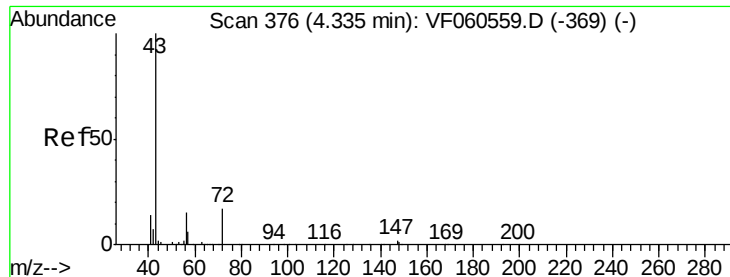
Ion Ratio Lower Upper

63 100

98 6.0 2.2 6.6

100 3.4 1.4 4.0





#25

2-Butanone

Concen: 70.909 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 88729

Ion Ratio Lower Upper

43 100

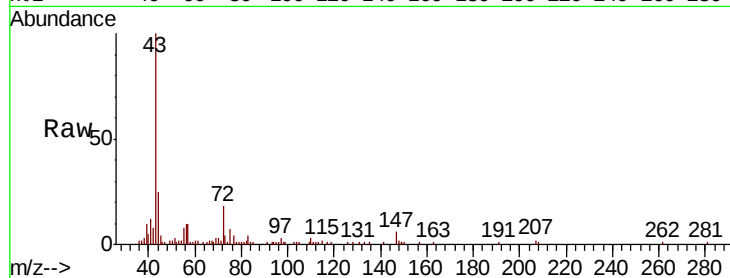
72 18.3 16.2 24.2

Manual Integrations

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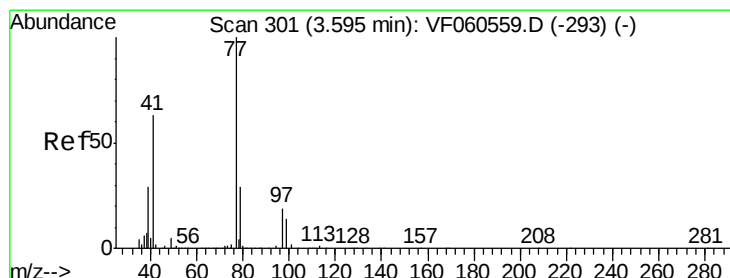
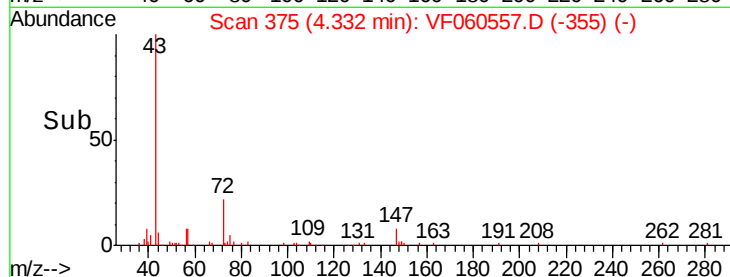
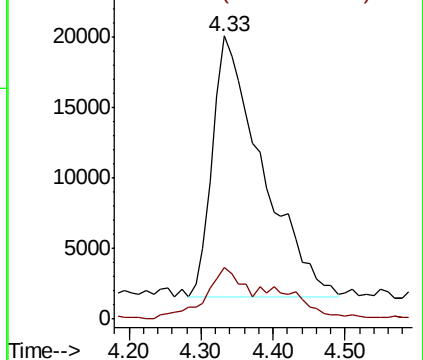
MMDadoda

11/5/2018 3:55:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 7.915 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF060557.D

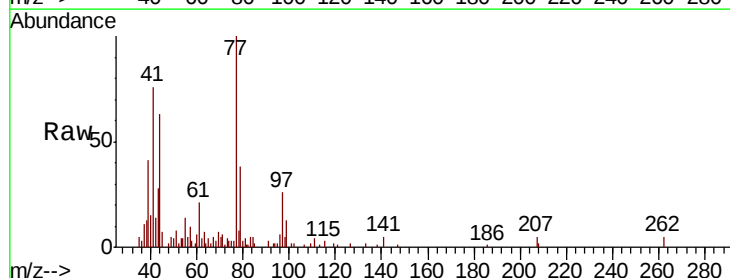
Acq: 2 Nov 2018 11:33

Tgt Ion: 77 Resp: 29713

Ion Ratio Lower Upper

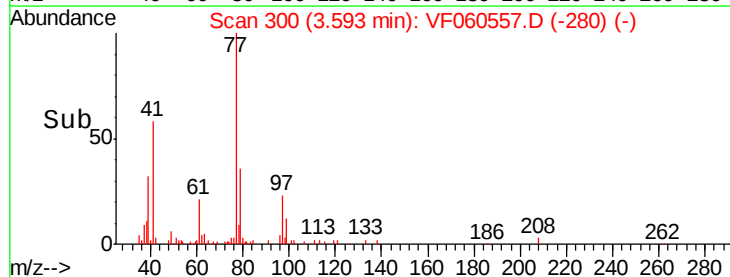
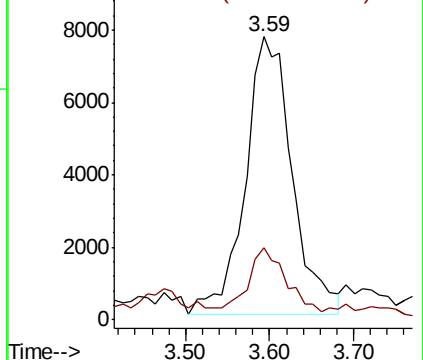
77 100

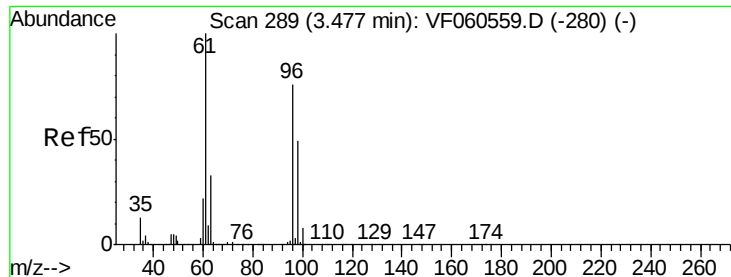
97 25.5 9.8 29.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

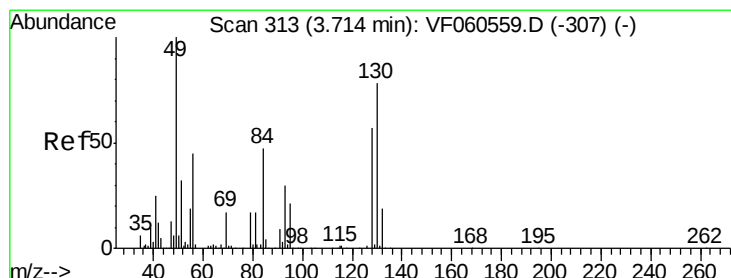
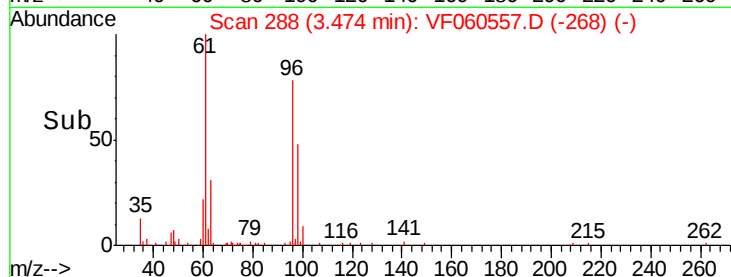
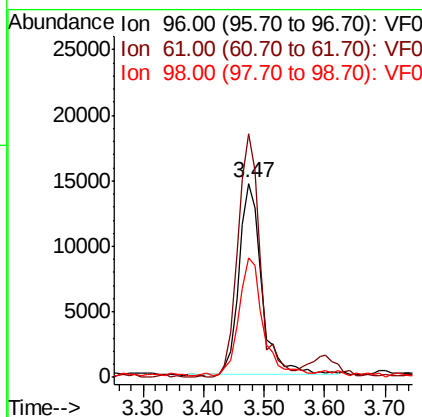
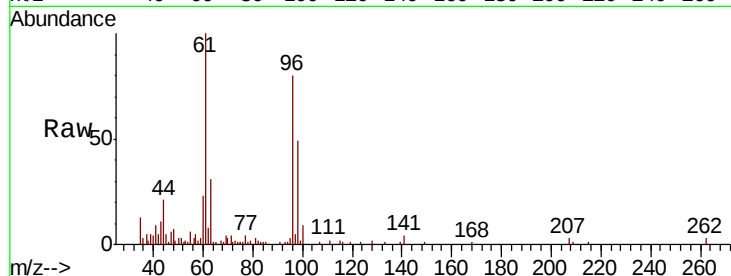
cis-1,2-Dichloroethene
Concen: 10.151 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	263.0
98	61.7	0.0	130.6

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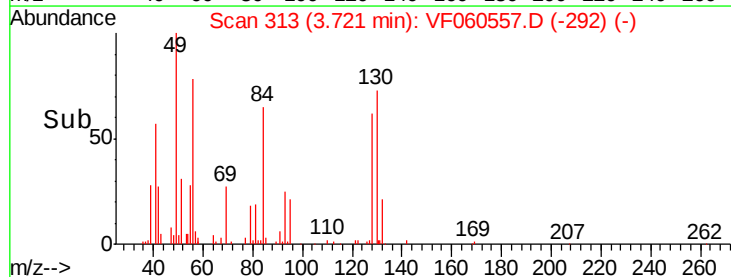
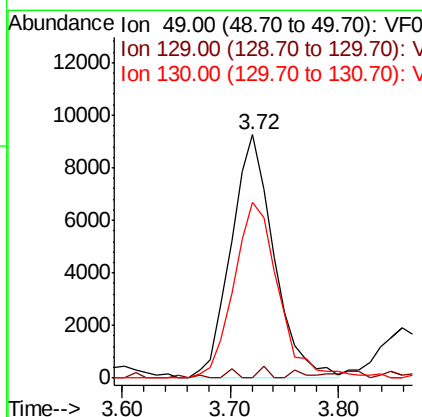
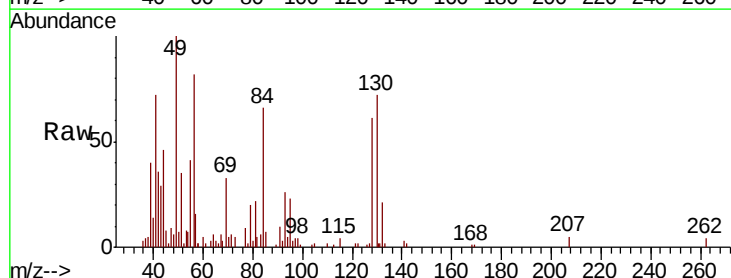
MMDadoda
11/5/2018 3:55:33 PM

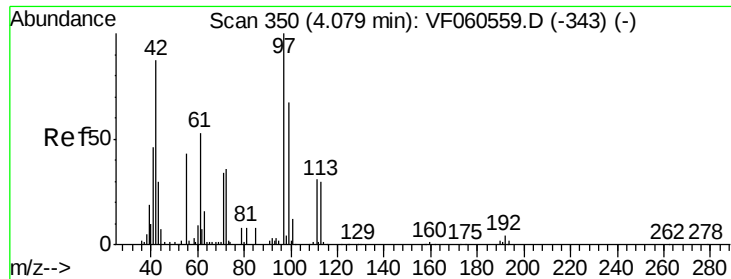


#28

Bromochloromethane
Concen: 11.055 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	72.4	61.8	92.8





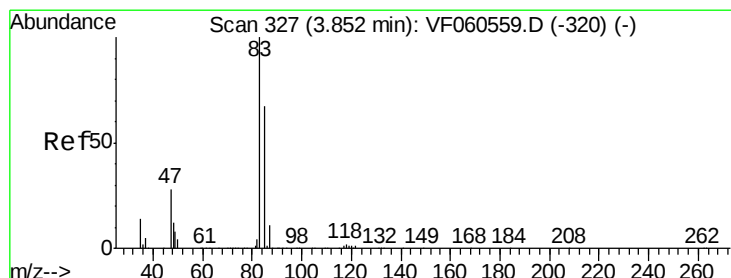
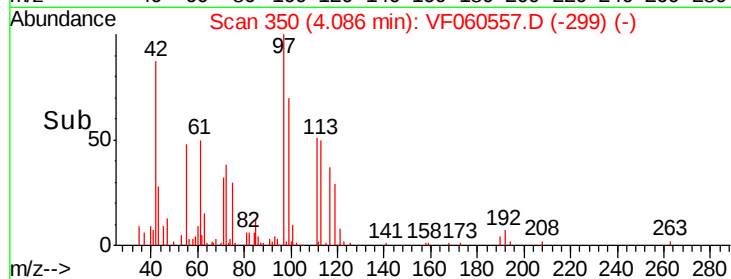
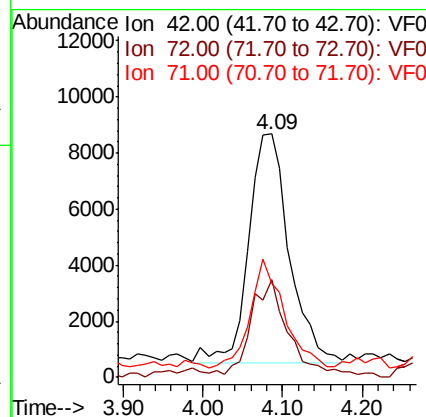
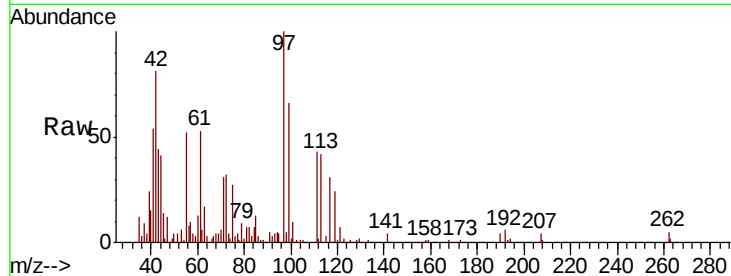
#29
Tetrahydrofuran
Concen: 74.799 ug/l
RT: 4.09 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	29023
Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.4	47.0
71	39.5	31.8	47.6

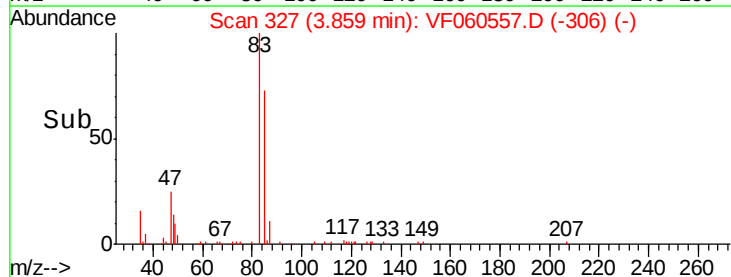
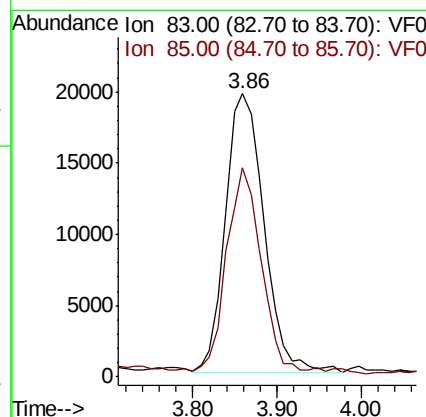
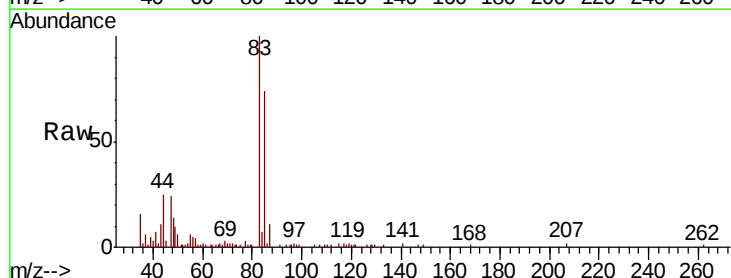
Manual Integrations
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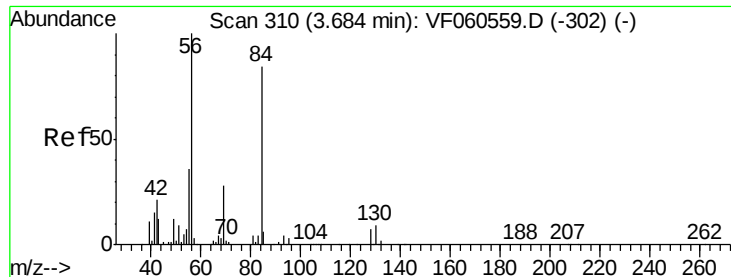
MMDadoda
11/5/2018 3:55:33 PM



#30
Chloroform
Concen: 8.032 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion:	83	Resp:	62218
Ion	Ratio	Lower	Upper
83	100		
85	73.9	53.7	80.5





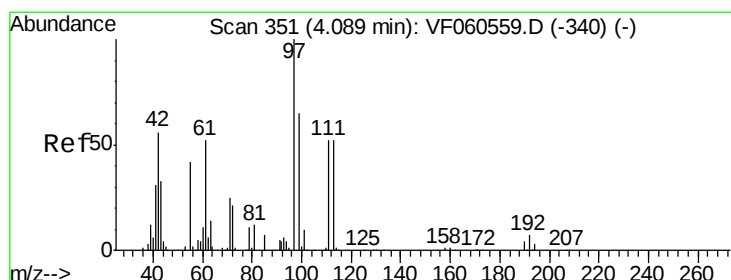
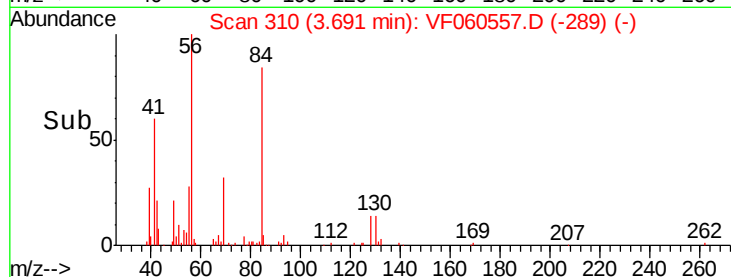
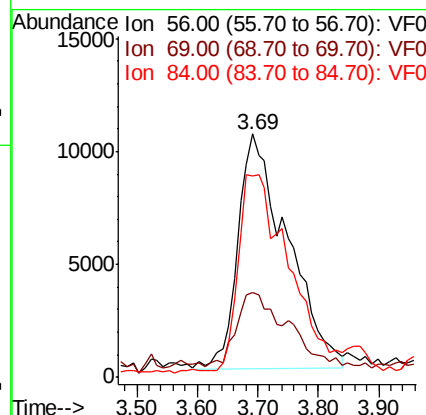
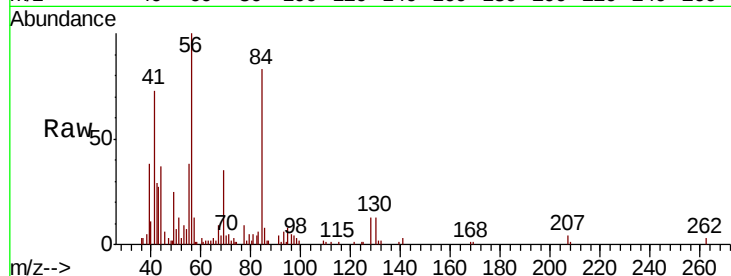
#31
Cyclohexane
Concen: 12.648 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	23.0	34.4#
84	82.9	67.1	100.7

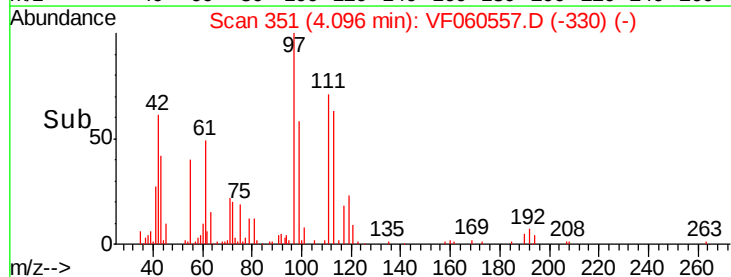
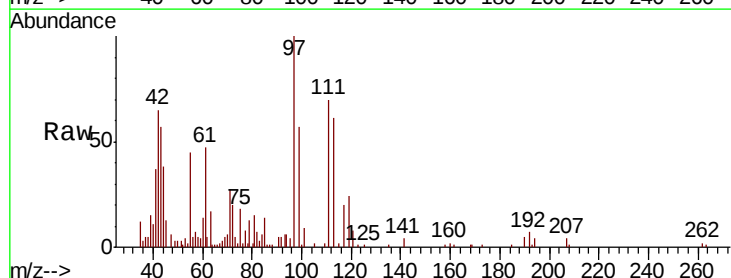
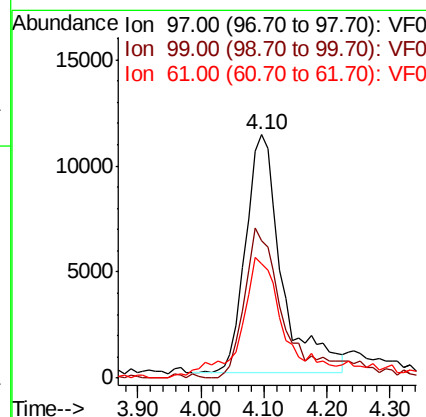
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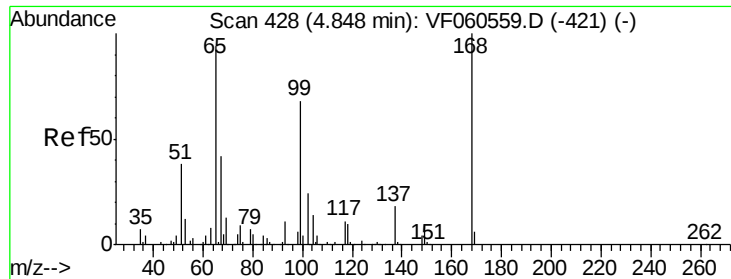
MMDadoda
11/5/2018 3:55:33 PM



#32
1,1,1-Trichloroethane
Concen: 7.180 ug/l
RT: 4.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.5	52.4	78.6
61	46.9	41.5	62.3





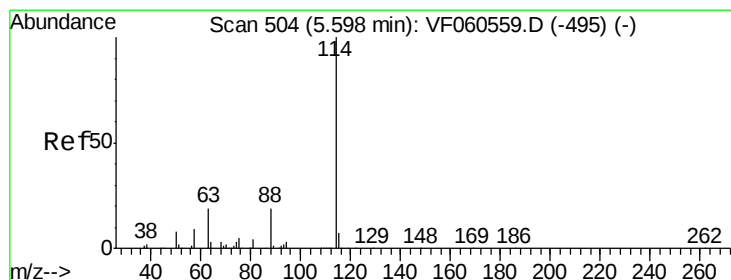
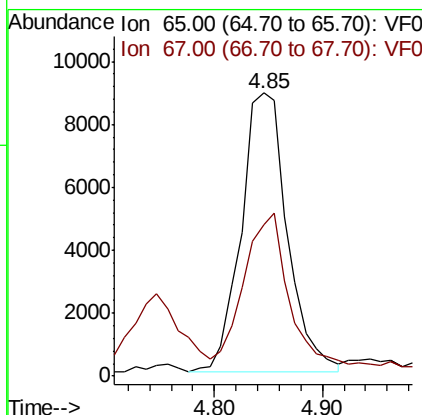
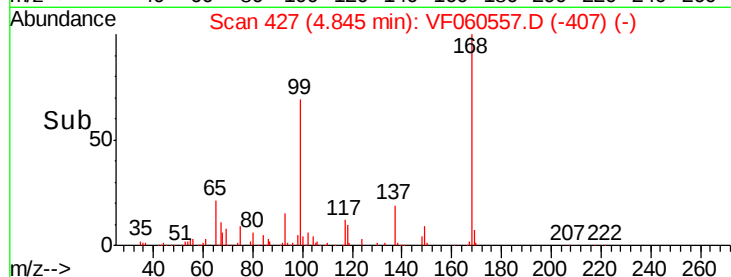
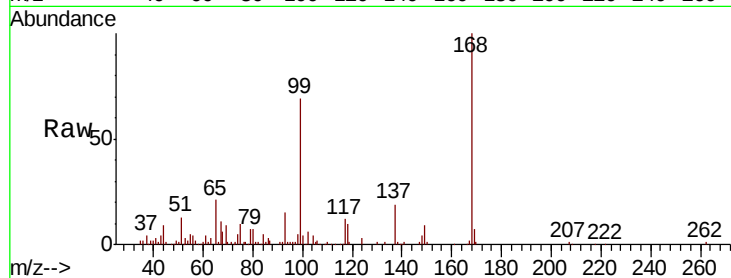
#33
 1,2-Dichloroethane-d4
 Concen: 6.700 ug/l
 RT: 4.85 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	101.8

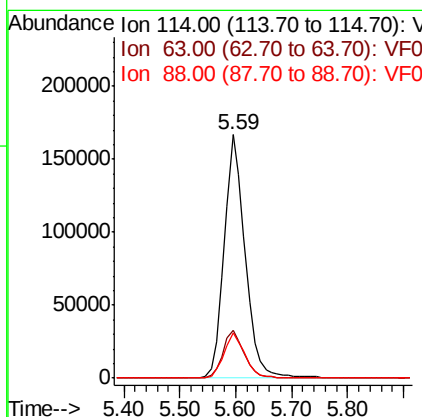
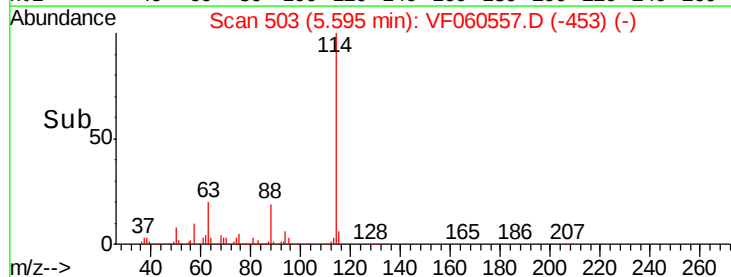
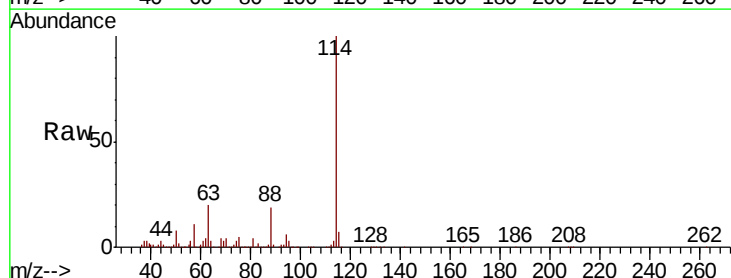
Manual Integrations
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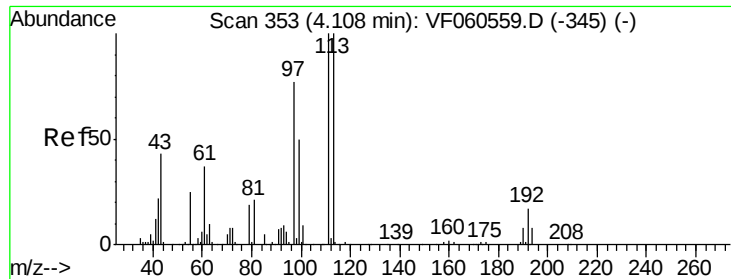
MMDadoda
 11/5/2018 3:55:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.0
88	18.6	0.0	38.2





#35

Dibromofluoromethane

Concen: 8.561 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

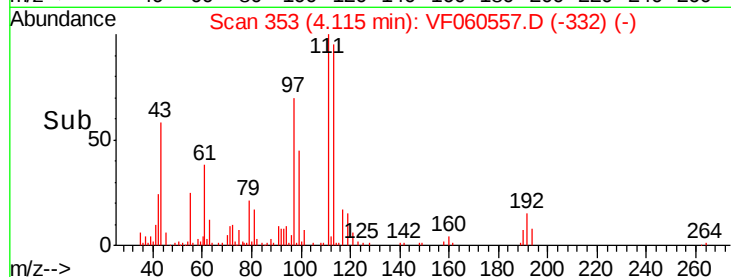
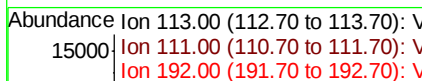
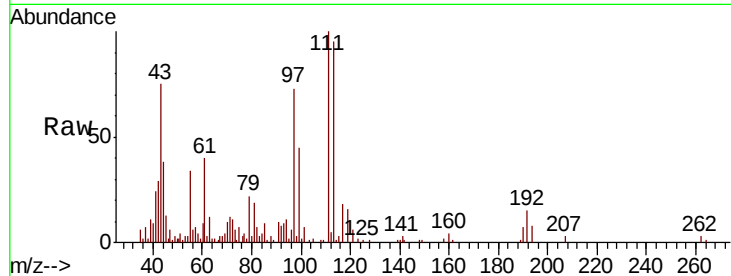
ClientSampleId :

VSTDIC010

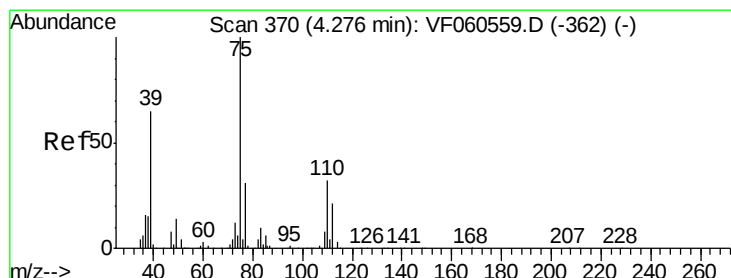
Tot Ion:	113	Resp:	34976
Ion Ratio	Lower	Upper	
113	100		
111	105.5	79.9	119.9
192	15.7	13.3	19.9

Manual Integrations
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MMDadoda
11/5/2018 3:55:33 PM



Time-->



#36

1,1-Dichloropropene

Concen: 9.232 ug/l

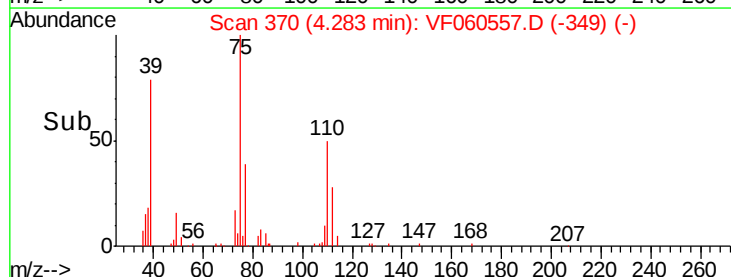
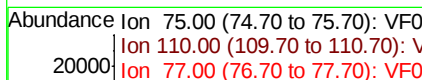
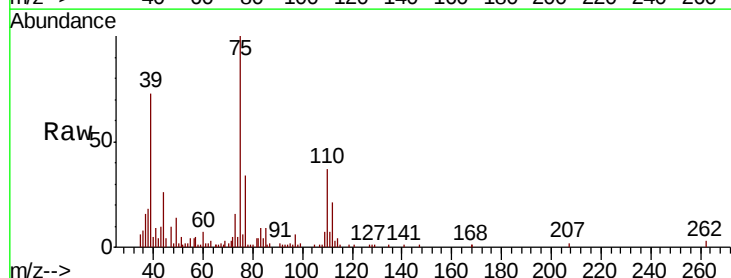
RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

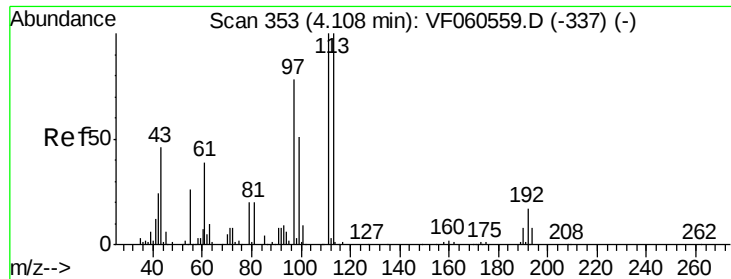
Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	75	Resp:	49241
Ion Ratio	Lower	Upper	
75	100		
110	37.4	16.2	48.6
77	33.8	25.0	37.6



Time-->



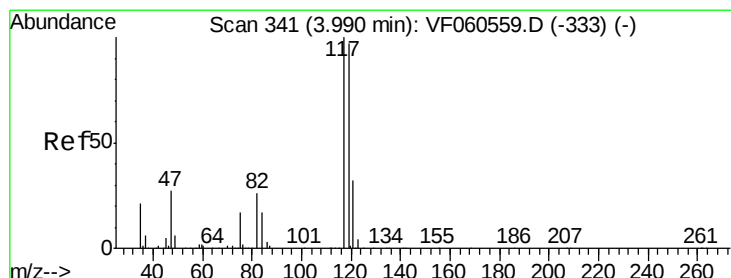
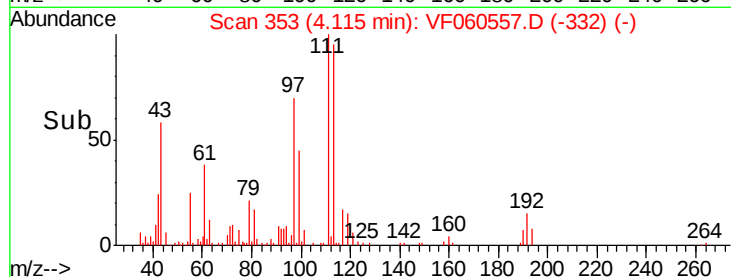
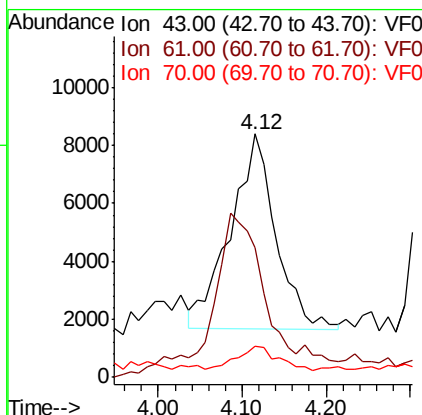
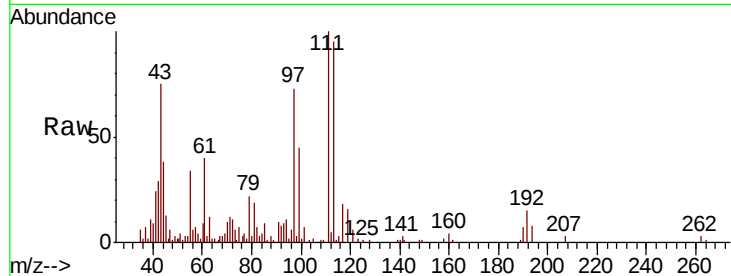
#37
Ethyl Acetate
Concen: 14.015 ug/l
RT: 4.12 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	53.1	63.4	95.2#
70	12.8	9.3	13.9

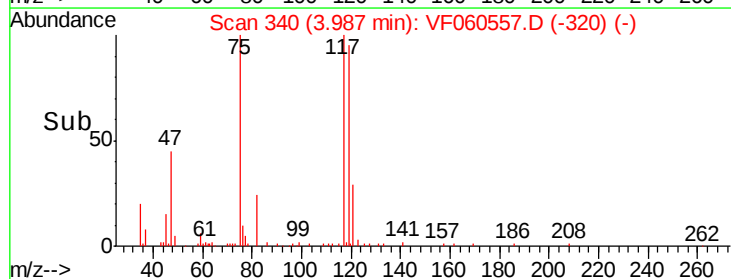
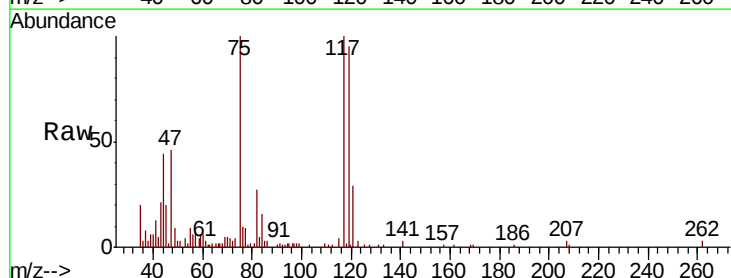
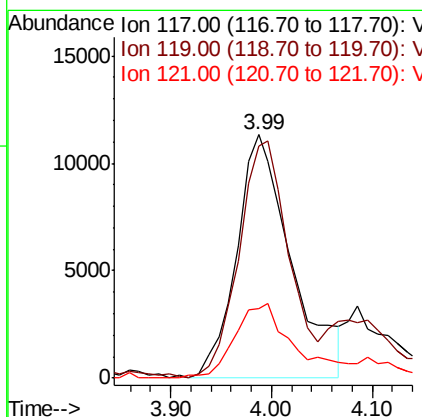
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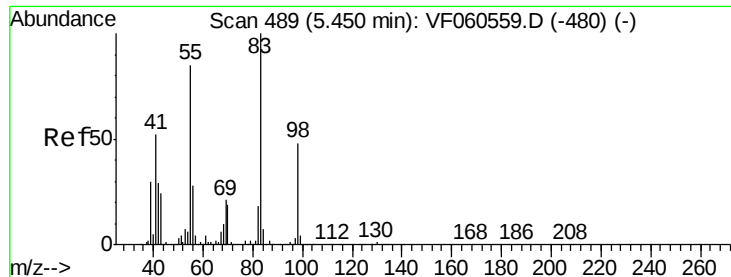
MMDadoda
11/5/2018 3:55:33 PM



#38
Carbon Tetrachloride
Concen: 7.045 ug/l
RT: 3.99 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
121	28.8	25.6	38.4





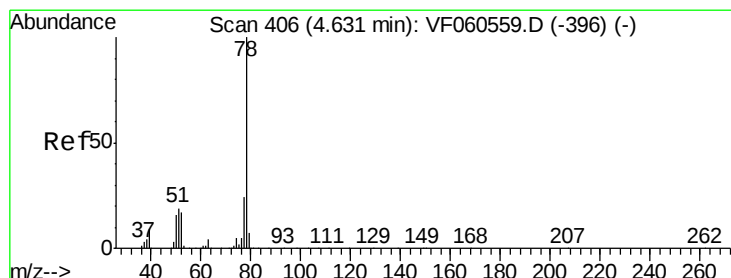
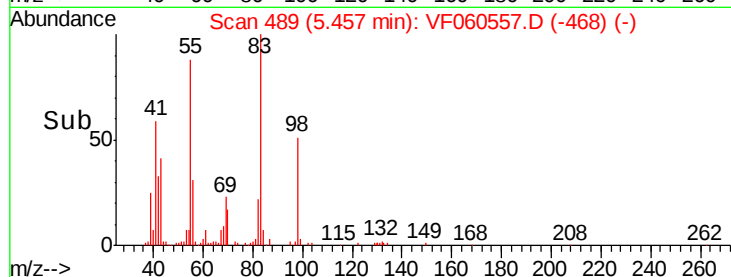
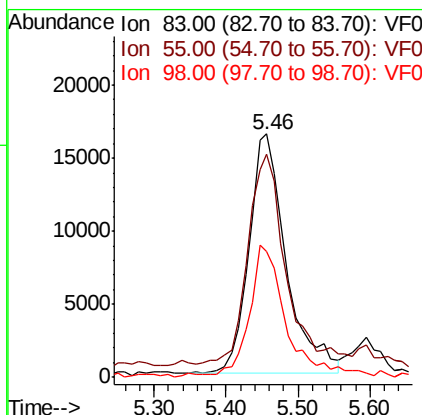
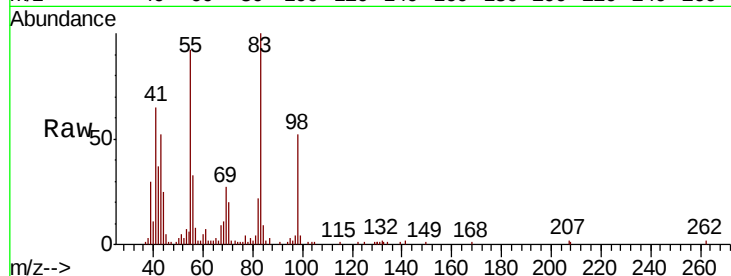
#39
Methvlcvclohexane
Concen: 10.620 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	69.1	103.7
98	51.9	38.6	57.8

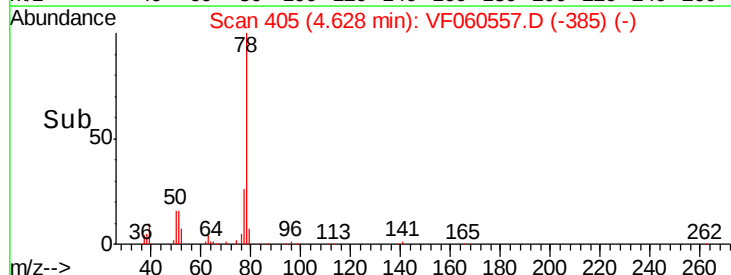
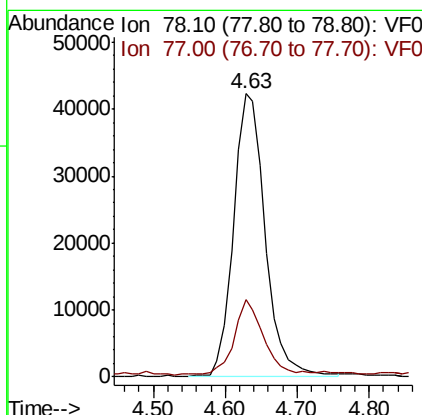
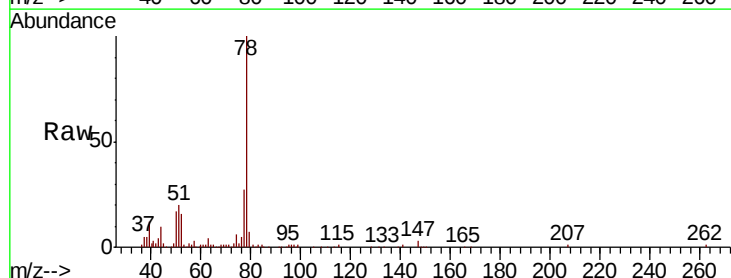
Manual Integrations
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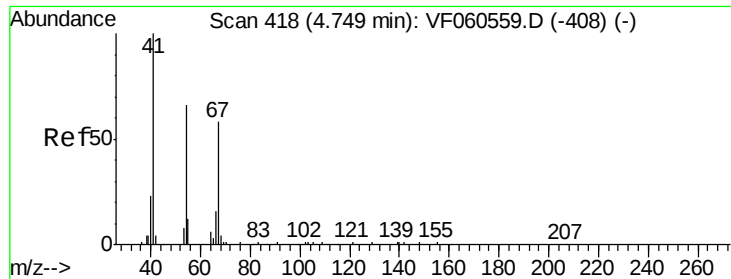
MMDadoda
11/5/2018 3:55:33 PM



#40
Benzene
Concen: 11.881 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.4	19.3	28.9





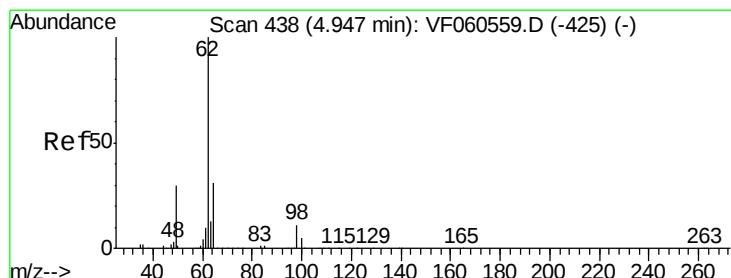
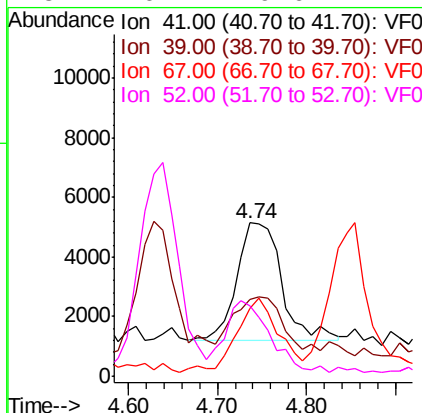
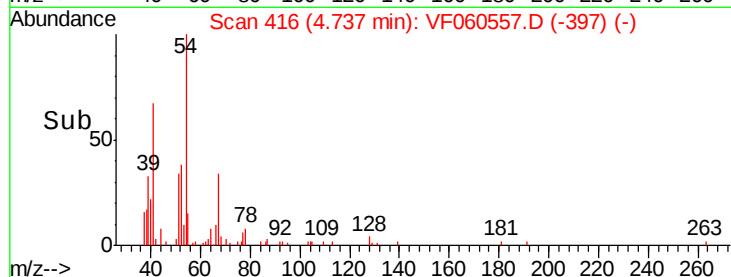
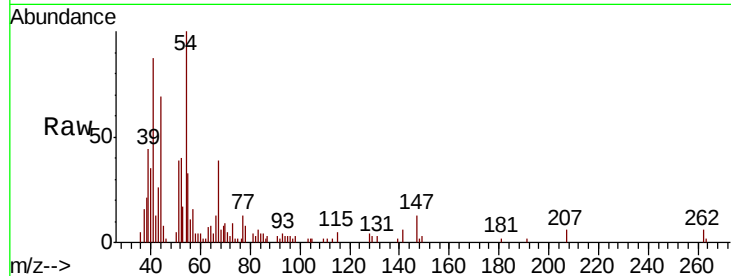
#41
Methacrylonitrile
Concen: 13.040 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.0	45.6	68.4
67	44.3	45.3	67.9#
52	46.1	29.6	44.4#

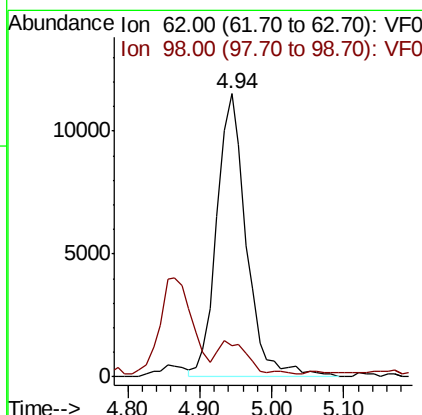
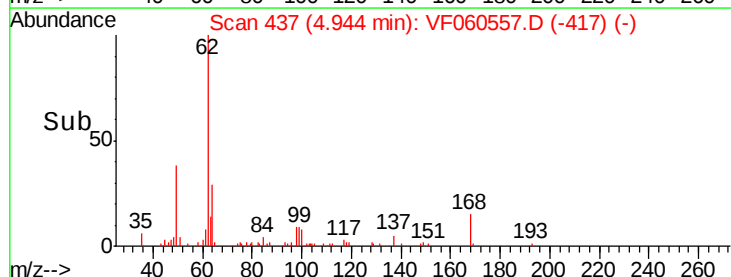
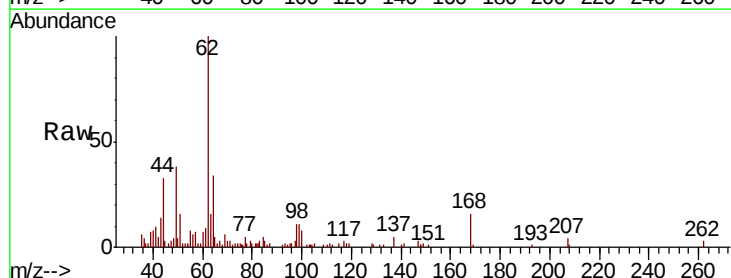
Manual Integrations
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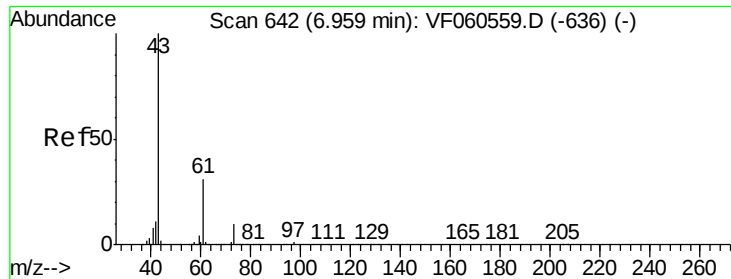
MMDadoda
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#42
1,2-Dichloroethane
Concen: 6.983 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.4





#43

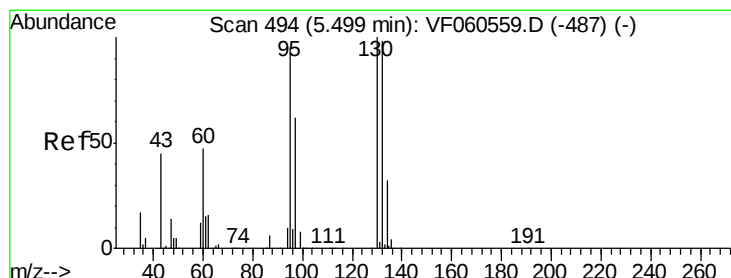
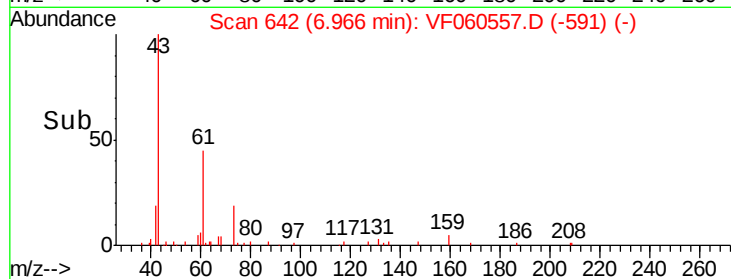
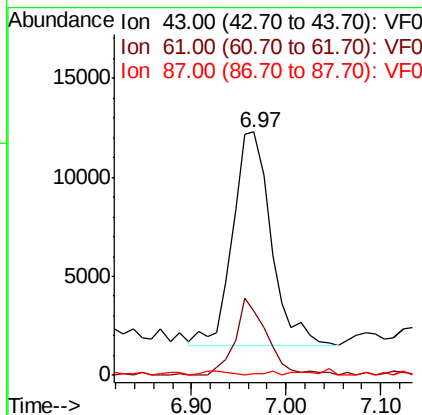
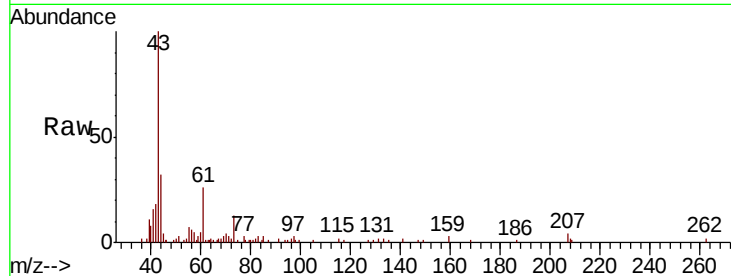
Isopropyl Acetate
 Concen: 13.899 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	24.2	36.2
87	0.9	0.2	0.4

Manual Integrations
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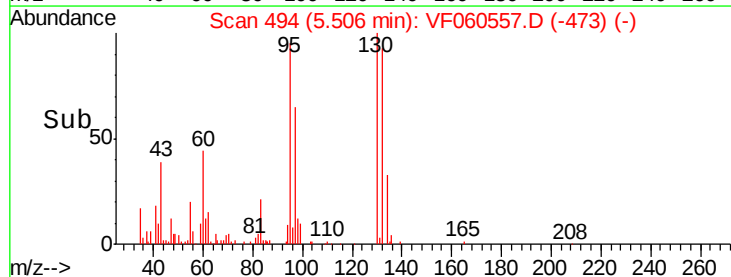
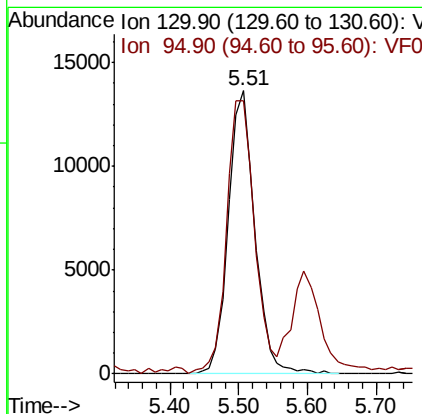
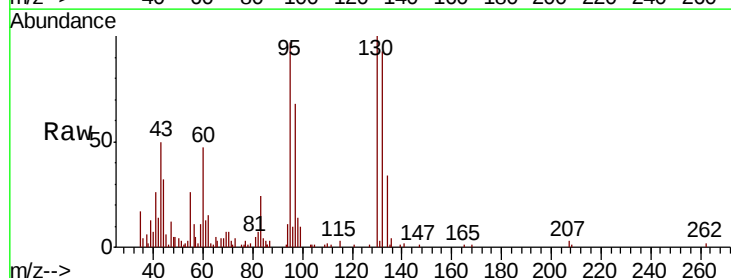
MMDadoda
 11/5/2018 3:55:33 PM

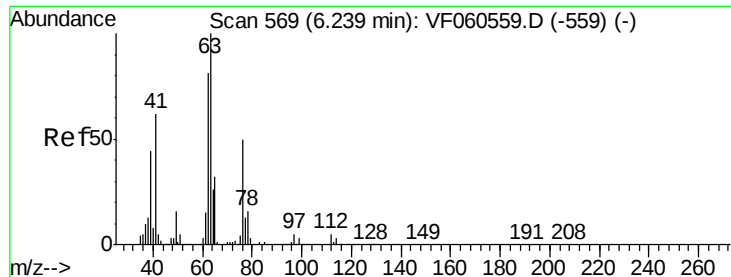


#44

Trichloroethene
 Concen: 10.403 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	191.0





#45

1,2-Dichloropropane

Concen: 10.728 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 29216

Ion Ratio Lower Upper

63 100

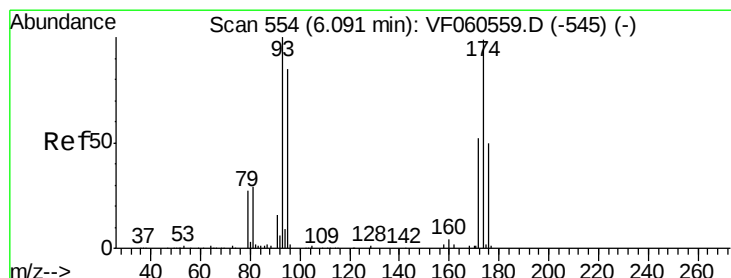
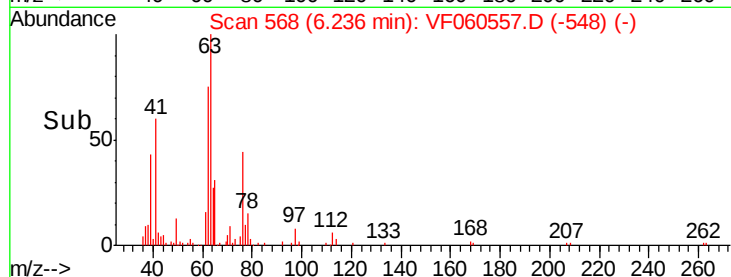
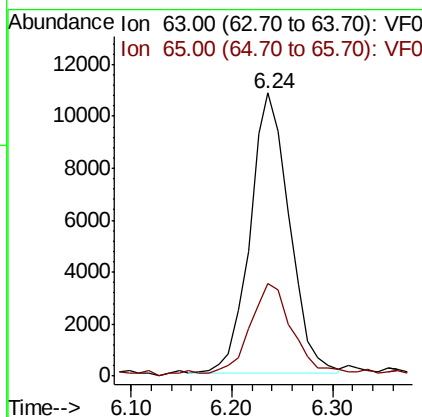
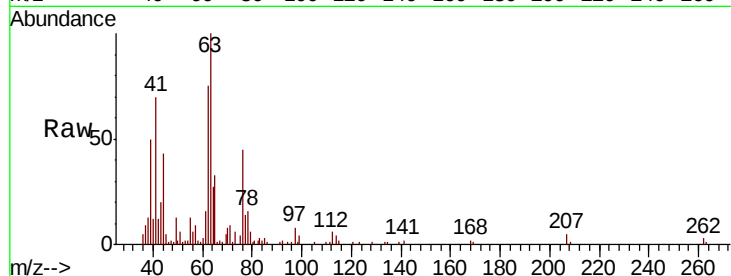
65 32.9 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 8.810 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

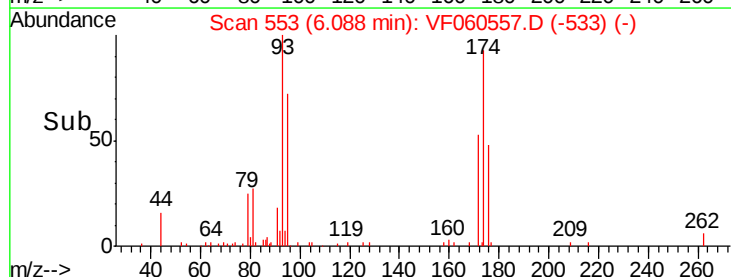
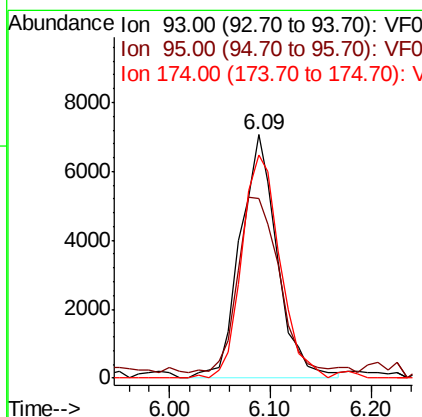
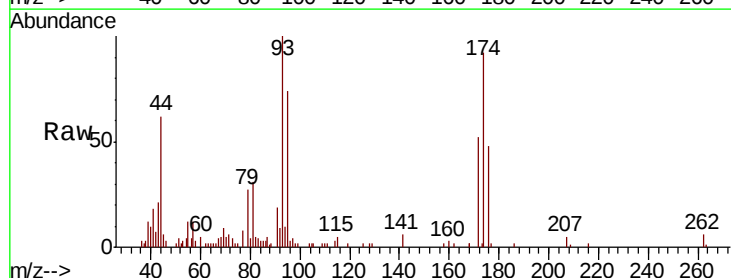
Tgt Ion: 93 Resp: 18101

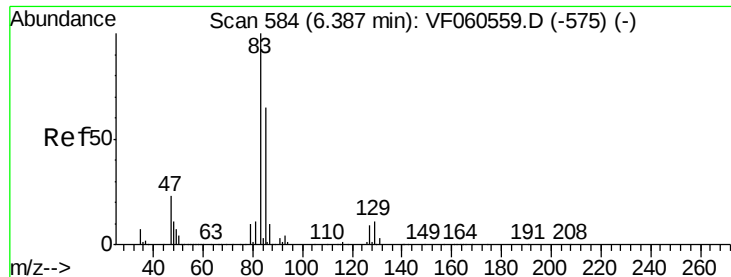
Ion Ratio Lower Upper

93 100

95 74.0 68.6 102.8

174 91.7 79.0 118.4





#47

Bromodichloromethane

Concen: 9.093 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

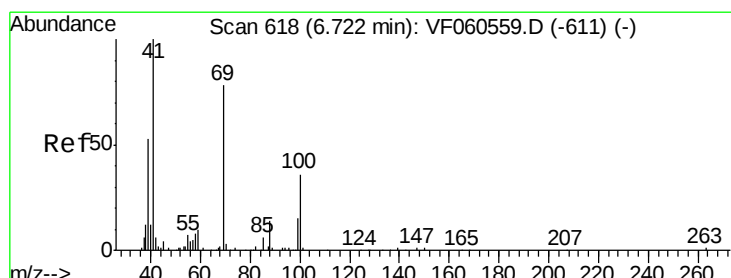
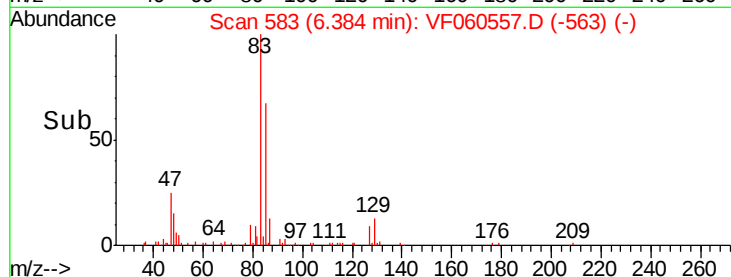
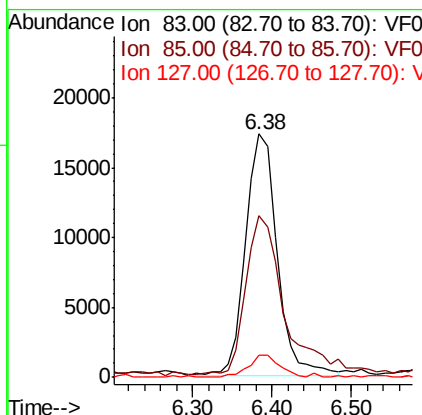
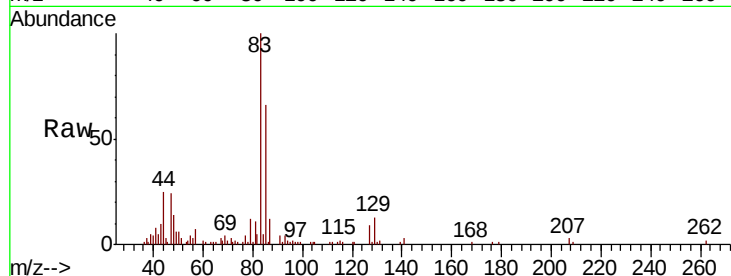
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	47337
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.708 ug/l

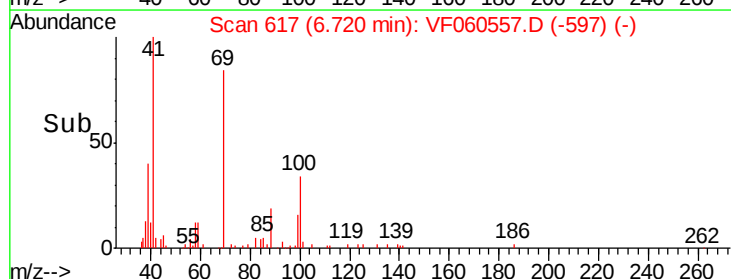
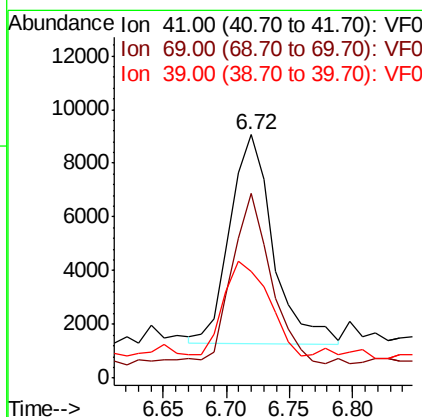
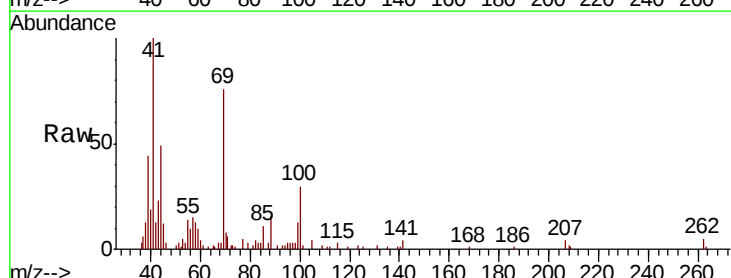
RT: 6.72 min Scan# 617

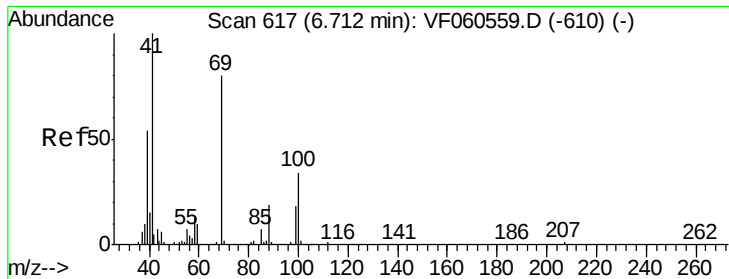
Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	41	Resp:	18664
Ion	Ratio	Lower	Upper
41	100		
69	76.0	61.1	91.7
39	43.6	43.0	64.6





#49

1,4-Dioxane

Concen: 323.104 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

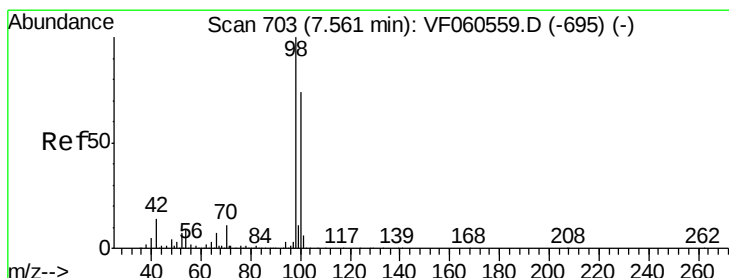
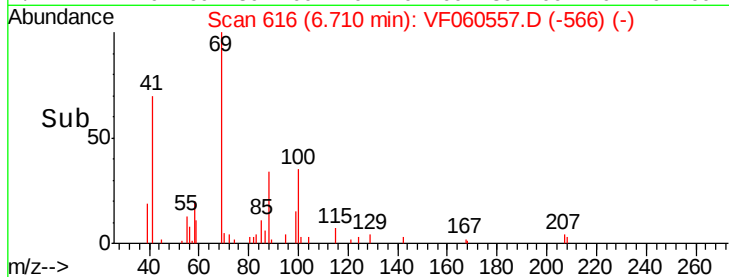
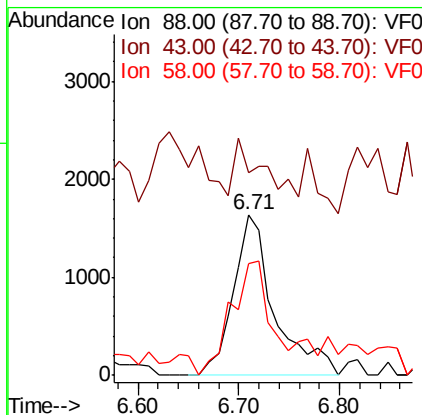
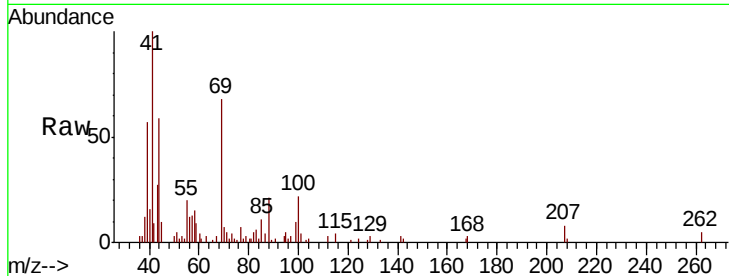
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	4630
Ion	Ratio	Lower	Upper
88	100		
43	126.4	61.2	91.8#
58	69.2	56.9	85.3

Manual Integrations
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#50

Toluene-d8

Concen: 10.420 ug/l

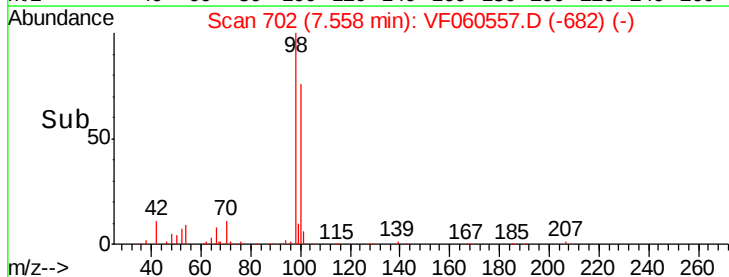
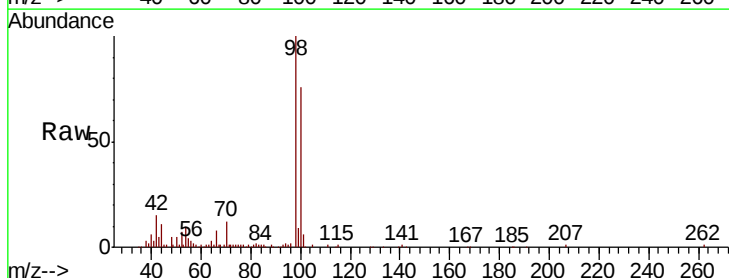
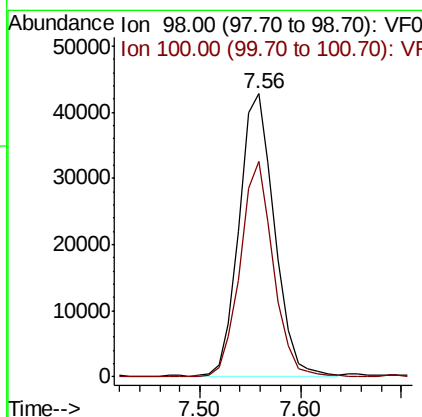
RT: 7.56 min Scan# 702

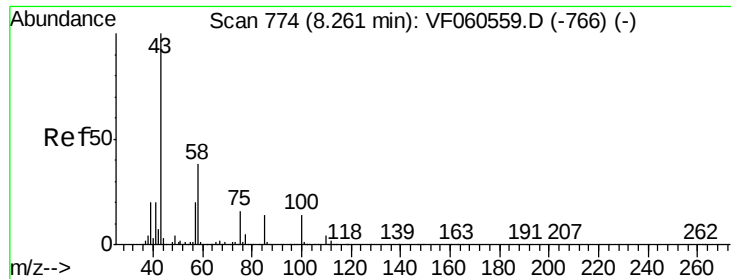
Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	98	Resp:	105017
Ion	Ratio	Lower	Upper
98	100		
100	75.9	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 70.733 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 110798

Ion Ratio Lower Upper

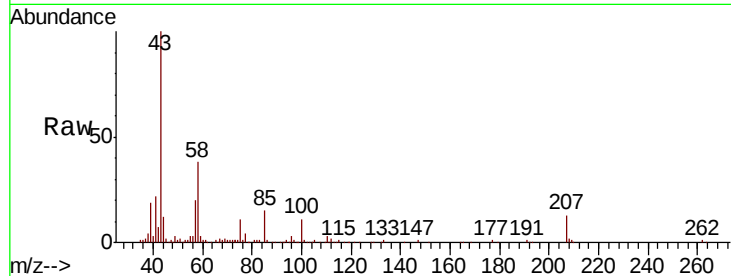
43 100

58 38.3 30.1 45.1

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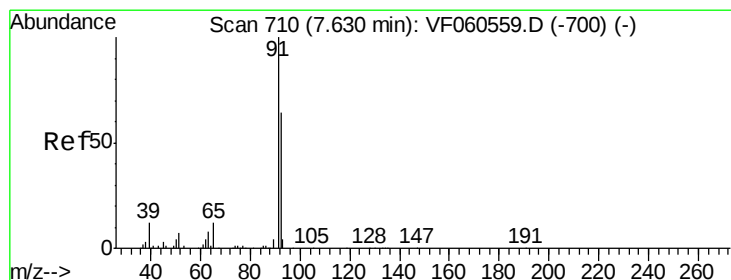
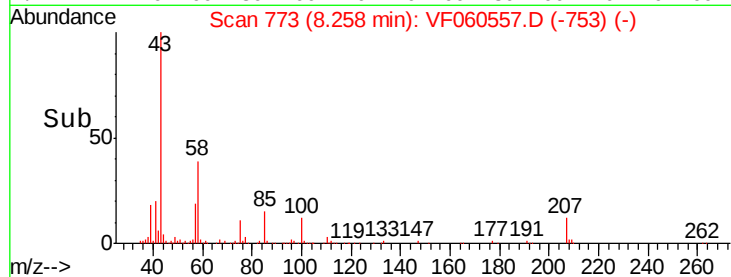
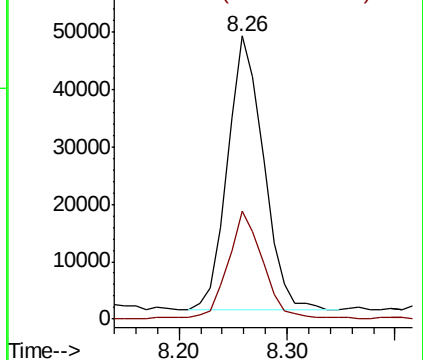
MMDadoda

11/5/2018 3:55:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 11.708 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF060557.D

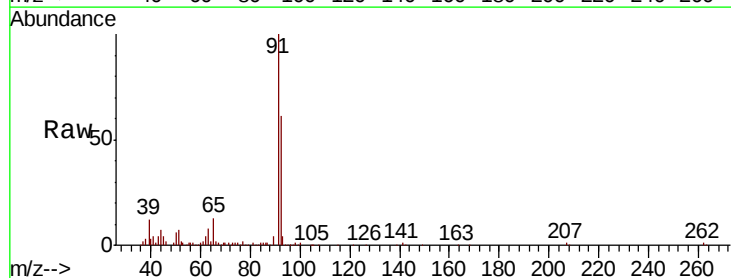
Acq: 2 Nov 2018 11:33

Tgt Ion: 92 Resp: 81911

Ion Ratio Lower Upper

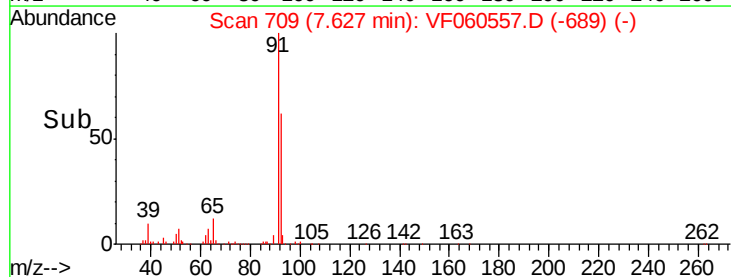
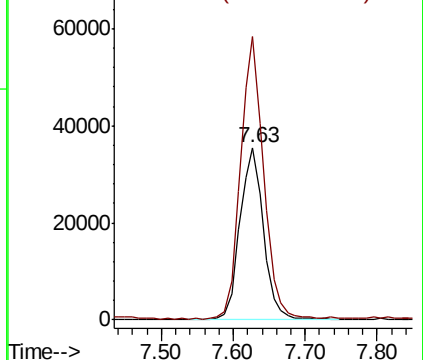
92 100

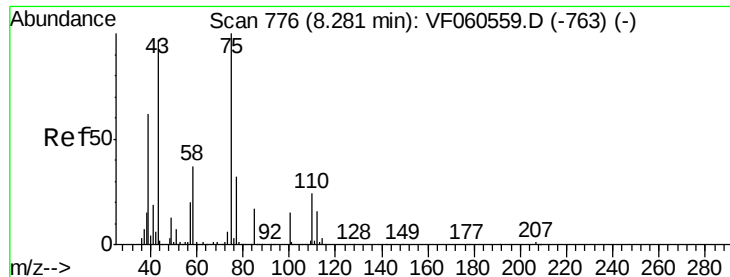
91 164.1 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 10.708 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 43872

Ion Ratio Lower Upper

75 100

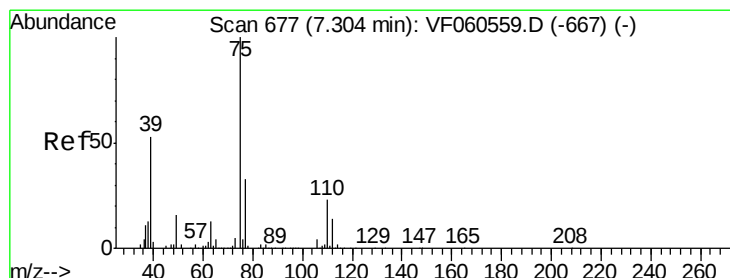
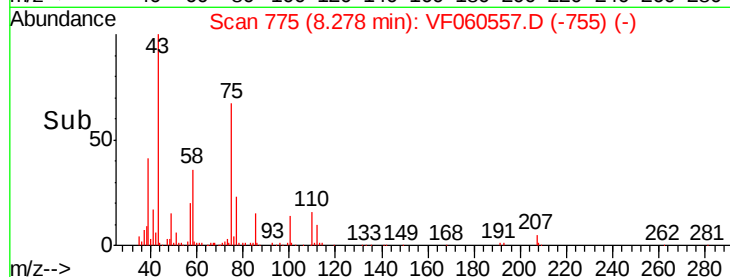
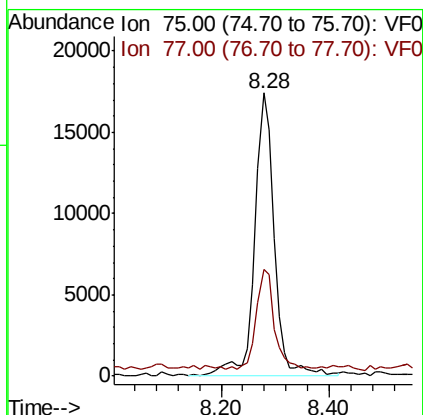
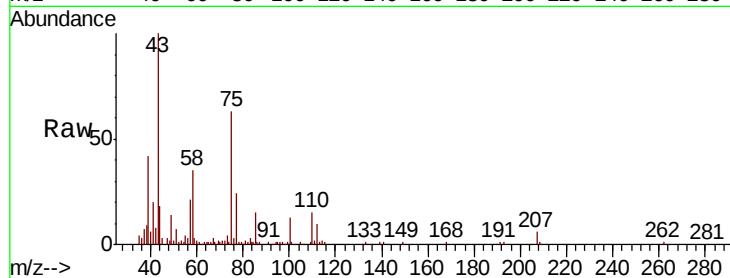
77 37.8 25.7 38.5

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 10.465 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

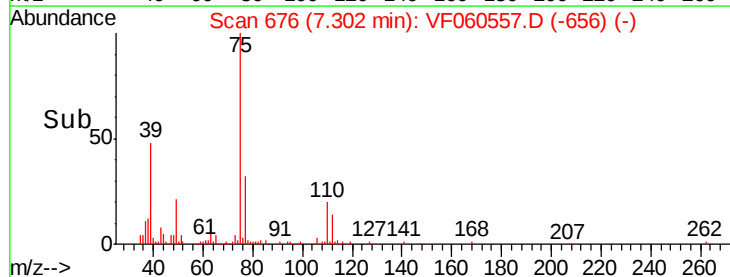
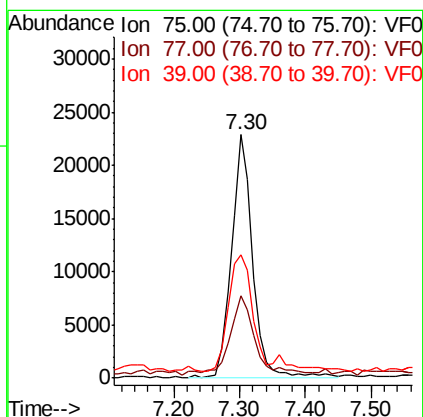
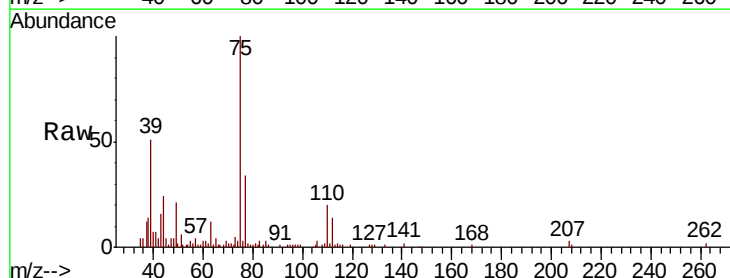
Tgt Ion: 75 Resp: 51958

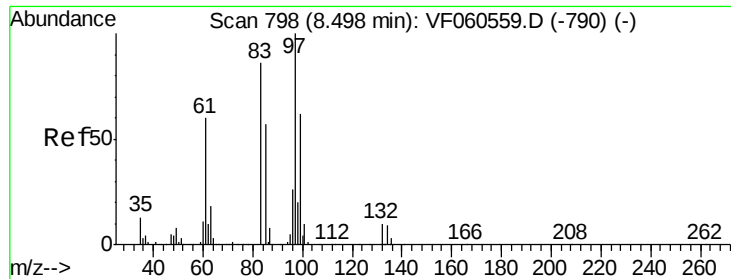
Ion Ratio Lower Upper

75 100

77 34.0 26.7 40.1

39 50.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 11.214 ug/l

RT: 8.50 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

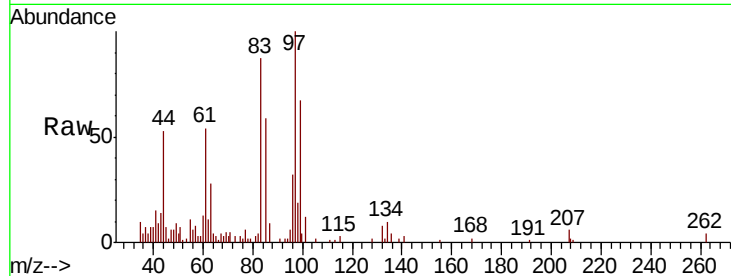
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	23002
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.4	104.0
85	59.1	46.6	69.8
99	66.5	50.0	75.0

Manual Integrations
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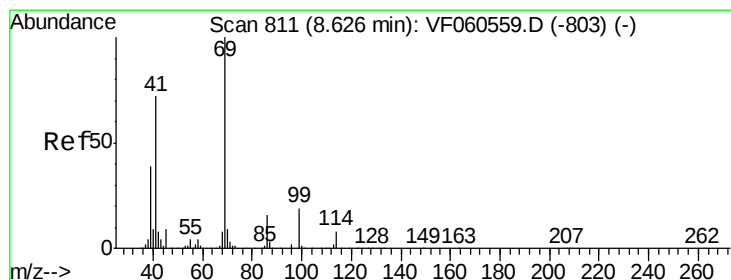
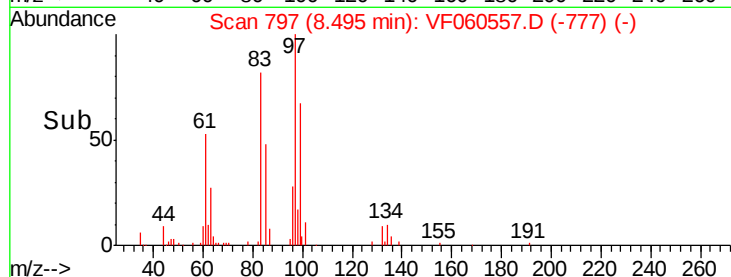
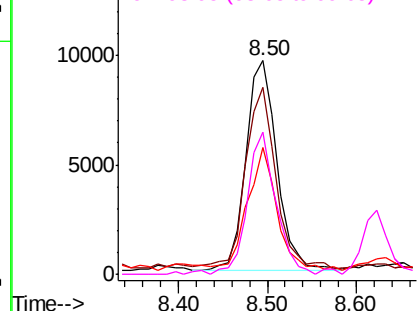


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 12.870 ug/l

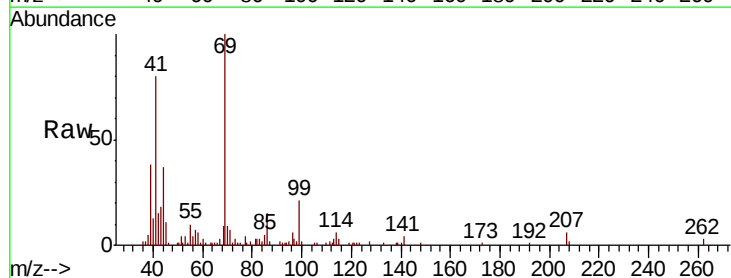
RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

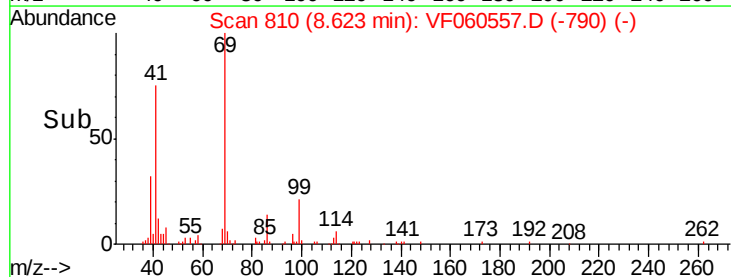
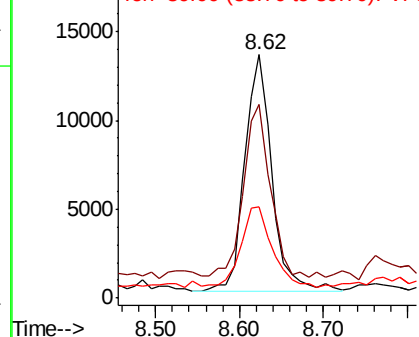
Tgt Ion:	69	Resp:	29889
Ion	Ratio	Lower	Upper
69	100		
41	79.5	59.2	88.8
39	37.7	32.3	48.5

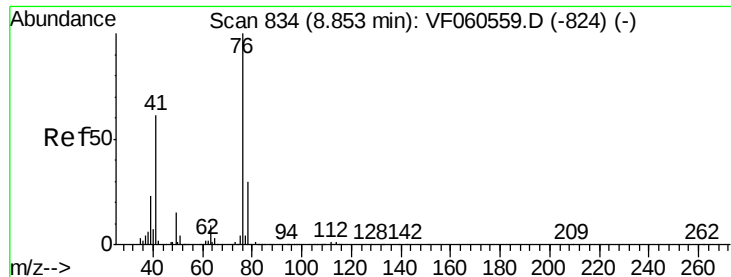


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 11.193 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 38887

Ion Ratio Lower Upper

76 100

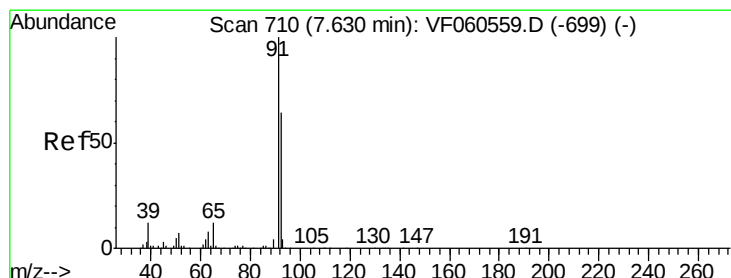
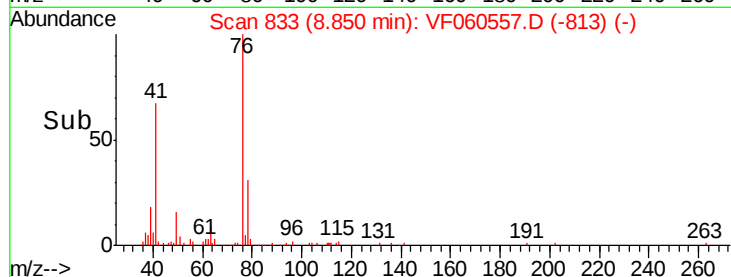
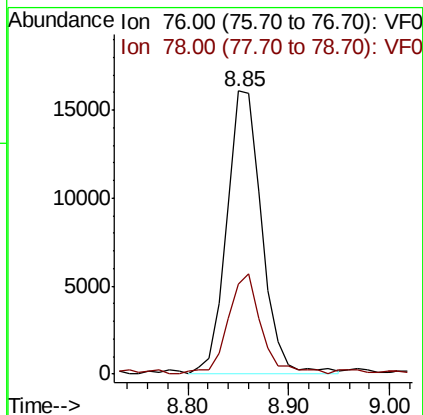
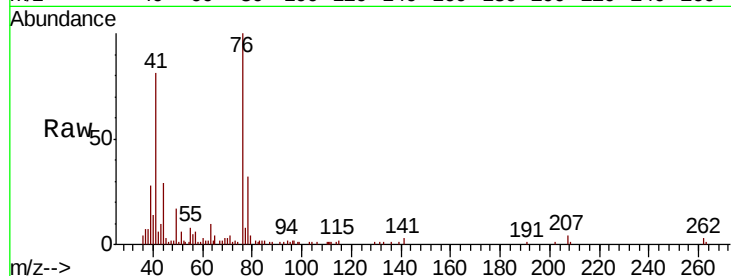
78 31.9 24.2 36.4

Manual Integrations

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11/5/2018 3:55:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 46.260 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF060557.D

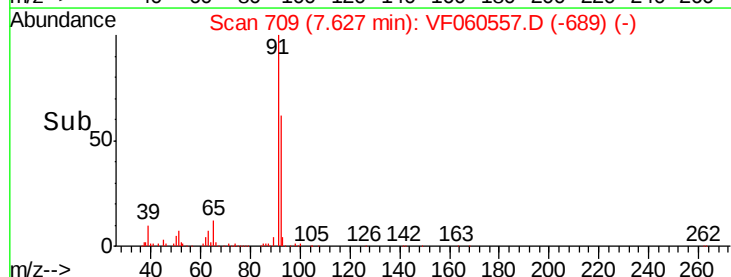
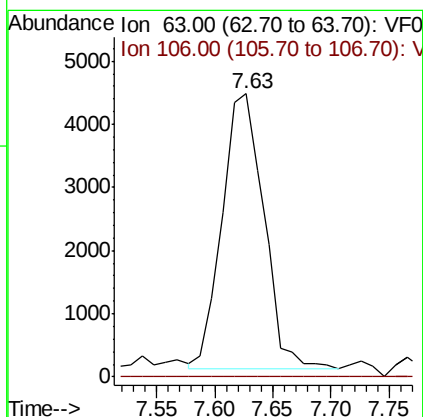
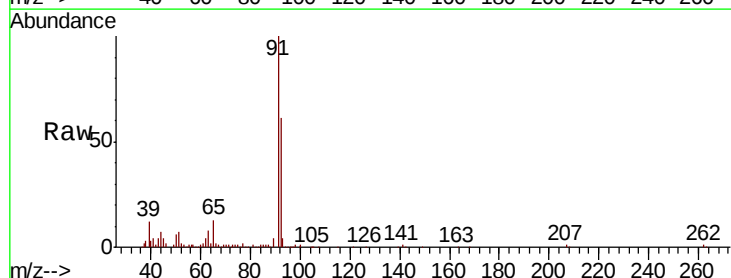
Acq: 2 Nov 2018 11:33

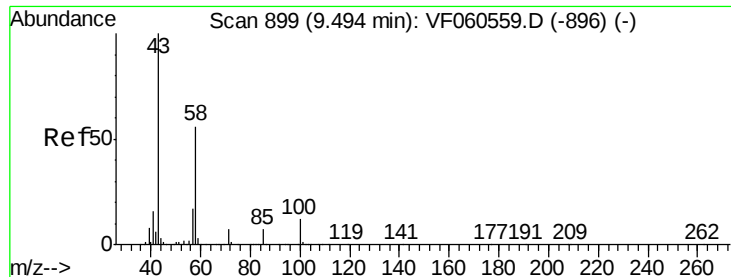
Tgt Ion: 63 Resp: 10796

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





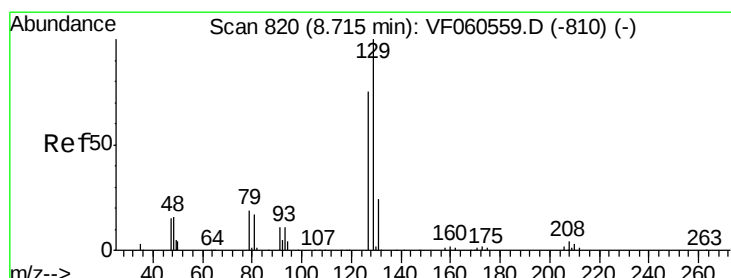
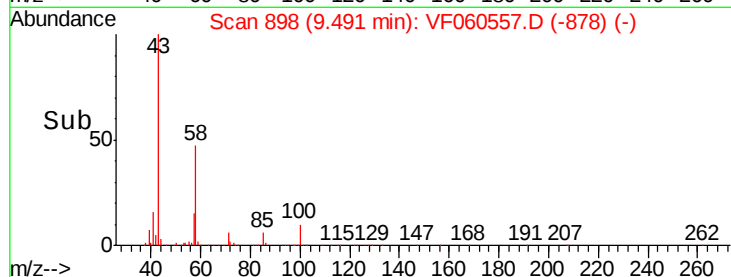
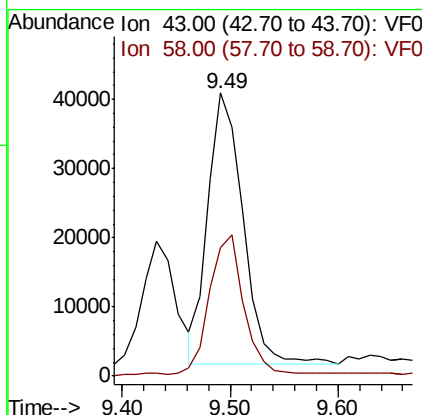
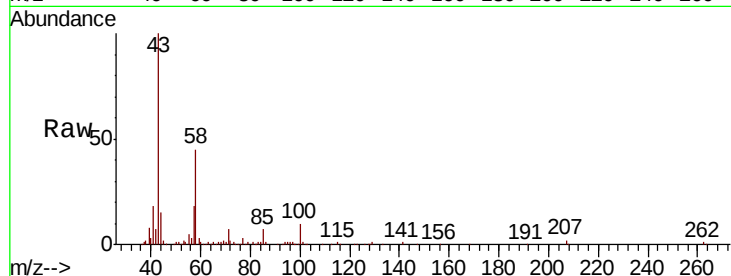
#59
2-Hexanone
Concen: 77.991 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 88487
Ion Ratio Lower Upper
43 100
58 45.2 26.1 78.3

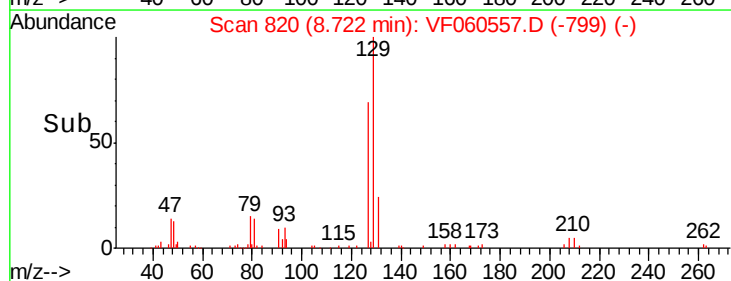
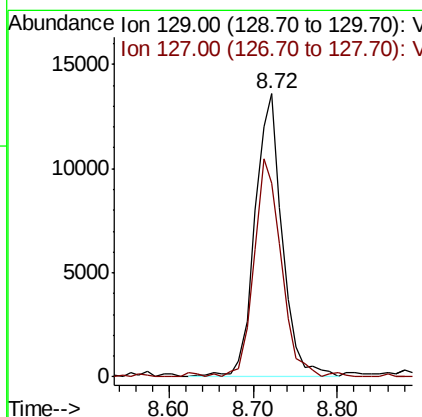
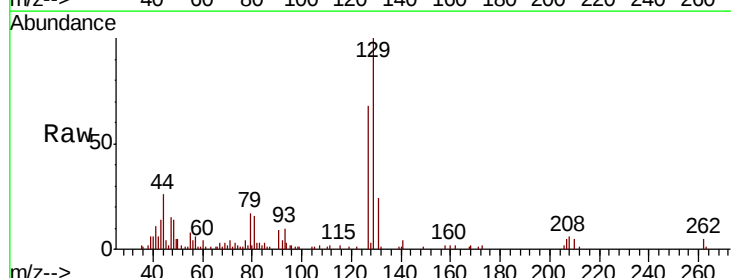
Manual Integrations
APPROVED

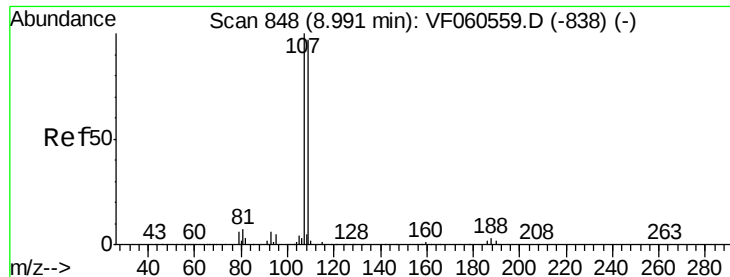
MMDadoda
11/5/2018 3:55:33 PM



#60
Dibromochloromethane
Concen: 9.534 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion: 129 Resp: 31109
Ion Ratio Lower Upper
129 100
127 68.2 37.8 113.3





#61

1,2-Dibromoethane

Concen: 9.824 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 23226

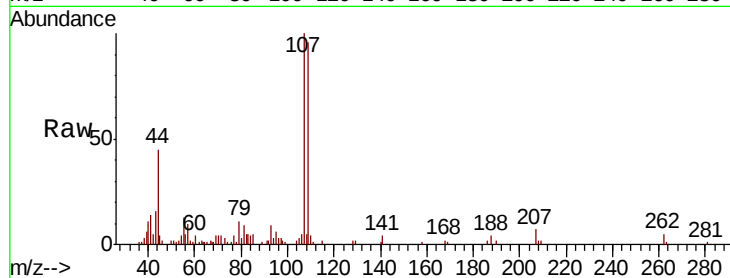
Ion Ratio Lower Upper

107 100

109 95.6 77.5 116.3

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:33 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12000

10000

8000

6000

4000

2000

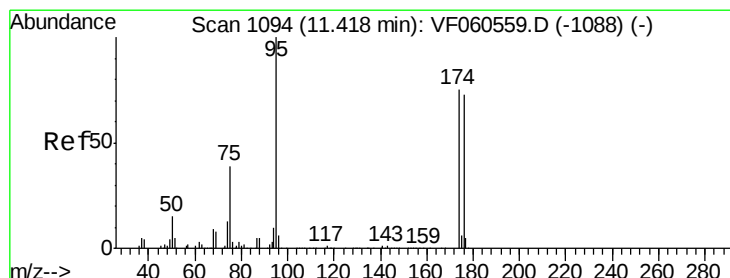
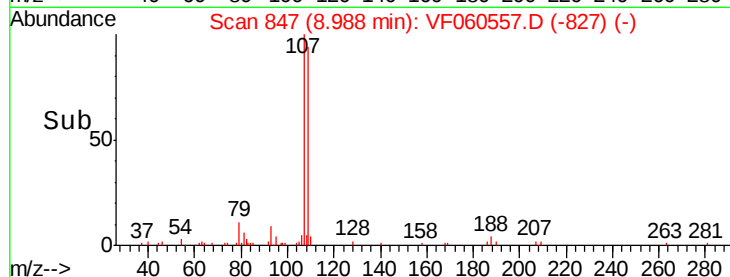
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 10.114 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

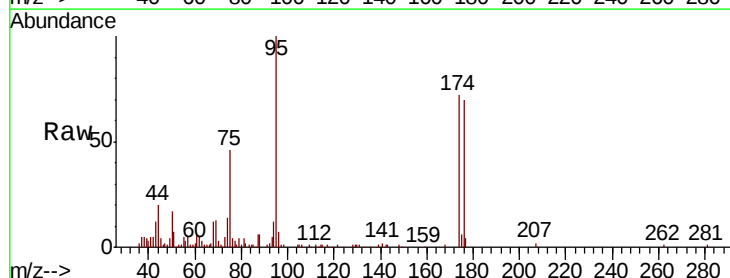
Tgt Ion: 95 Resp: 46601

Ion Ratio Lower Upper

95 100

174 71.7 0.0 149.0

176 70.0 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

30000

20000

10000

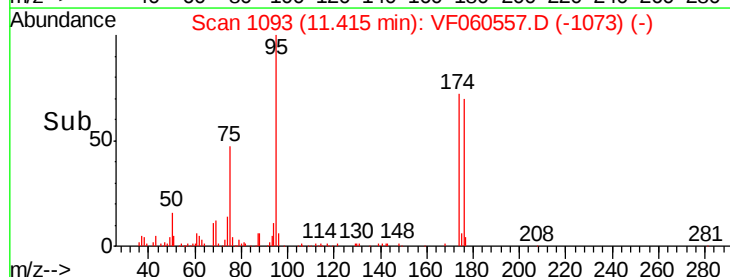
0

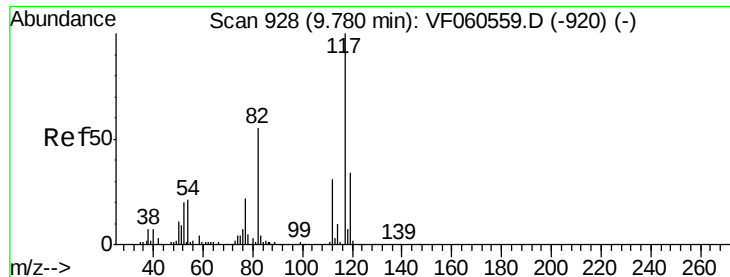
11.30

11.40

11.50

Time-->





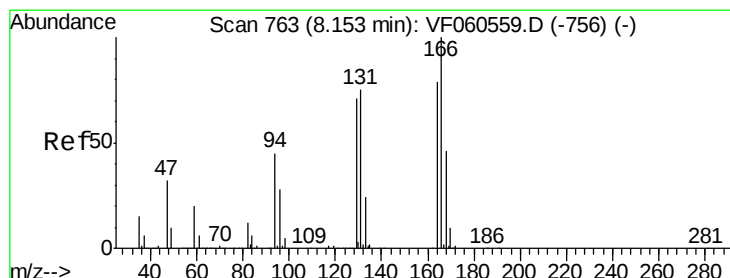
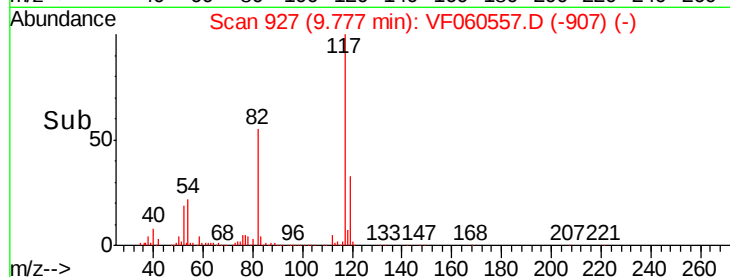
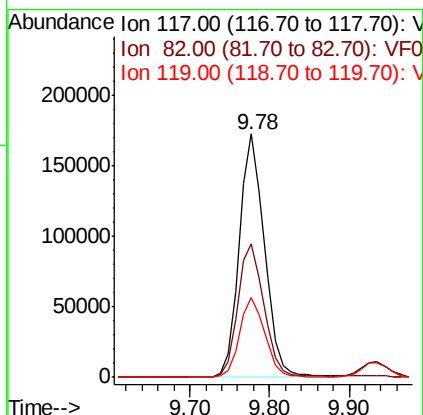
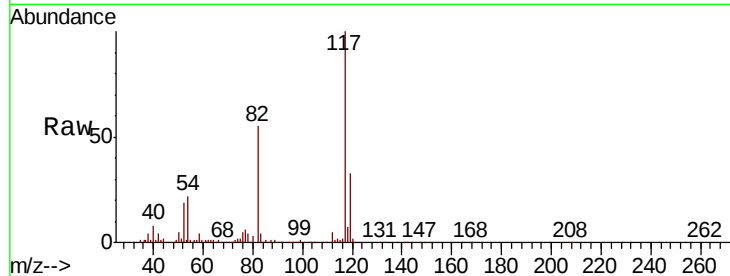
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	379455		
82	55.1	43.9	65.9	
119	32.7	27.4	41.0	

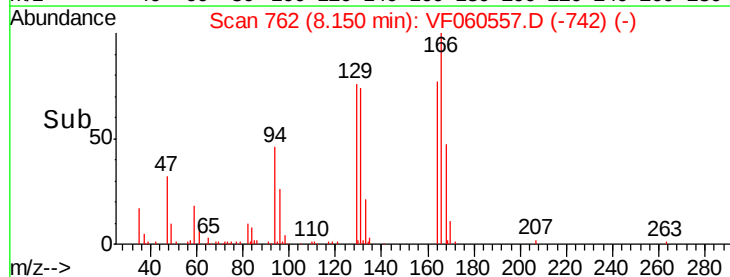
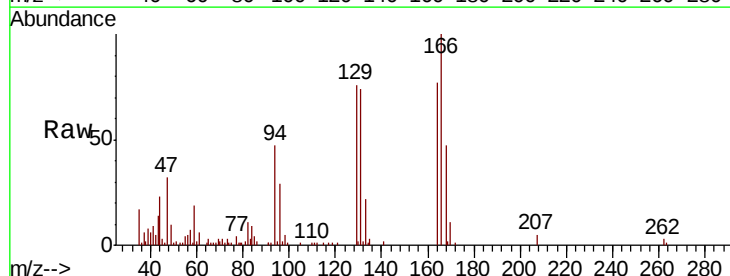
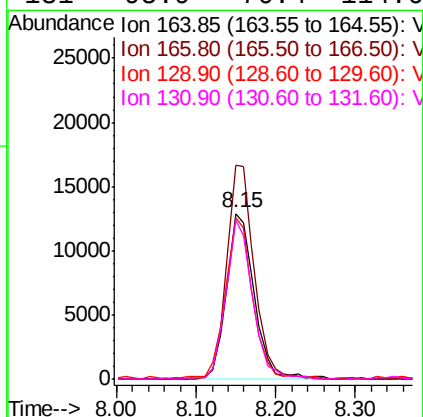
Manual Integrations
APPROVED

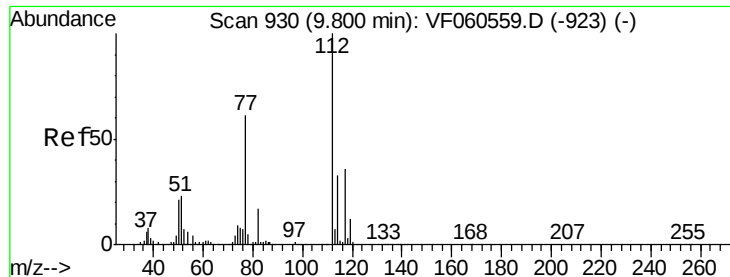
MMDadoda
11/5/2018 3:55:33 PM



#64
Tetrachloroethene
Concen: 9.939 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31385		
166	129.2	101.5	152.3	
129	97.8	72.5	108.7	
131	95.9	76.4	114.6	





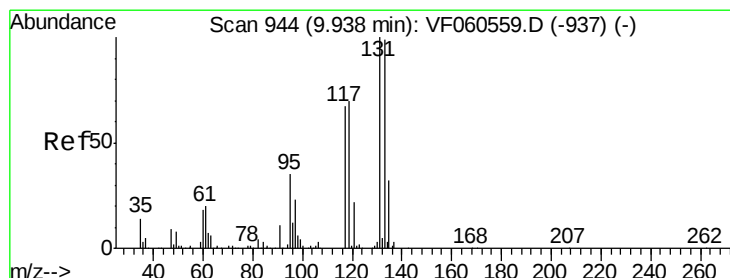
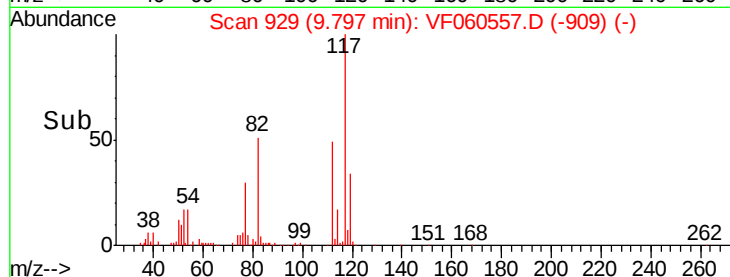
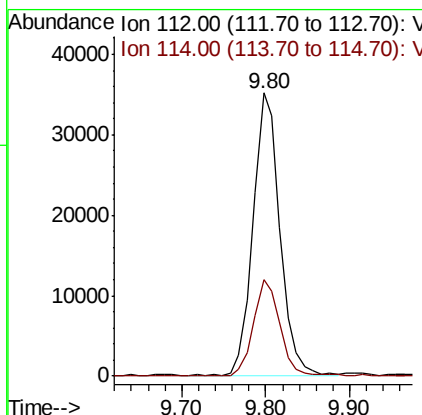
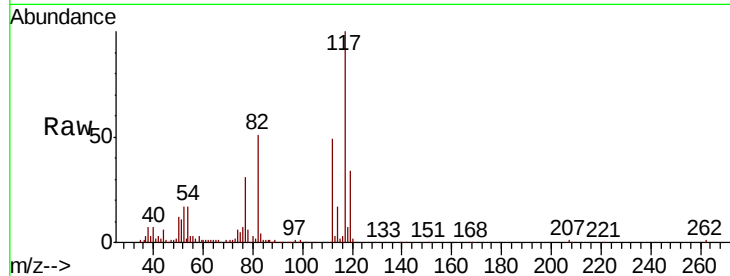
#65
Chlorobenzene
Concen: 10.299 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 78146
Ion Ratio Lower Upper
112 100
114 34.3 26.6 40.0

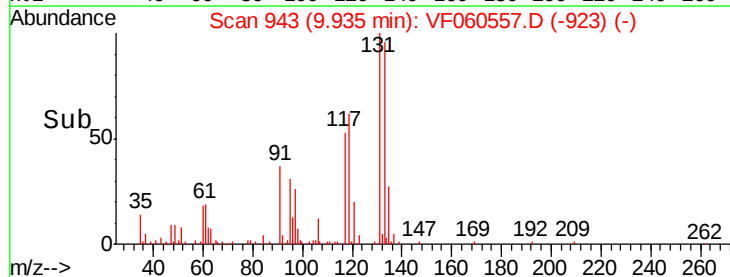
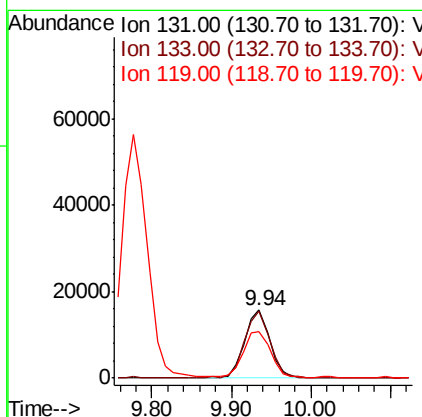
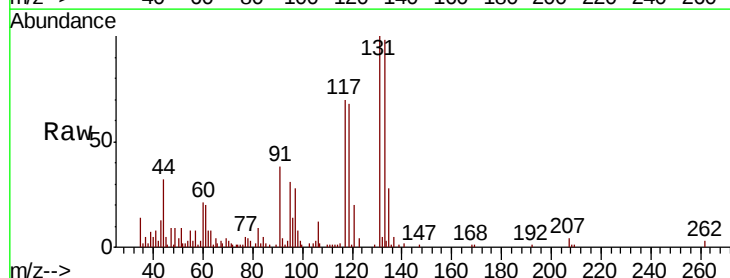
Manual Integrations
APPROVED

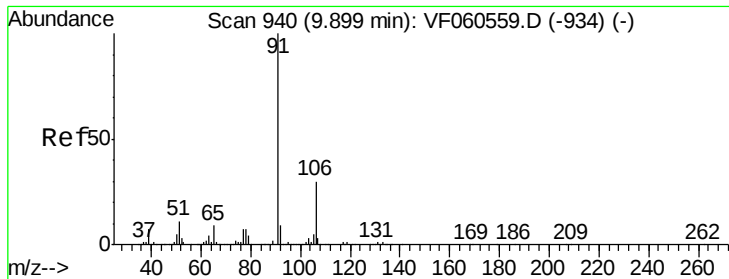
MMDadoda
11/5/2018 3:55:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.073 ug/l
RT: 9.94 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion:131 Resp: 34732
Ion Ratio Lower Upper
131 100
133 97.8 49.5 148.7
119 67.6 35.2 105.6





#67

Ethyl Benzene

Concen: 10.382 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 149961

Ion Ratio Lower Upper

91 100

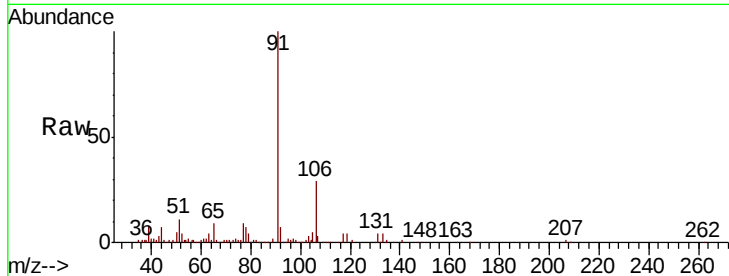
106 28.6 24.2 36.4

Manual Integrations

APPROVED

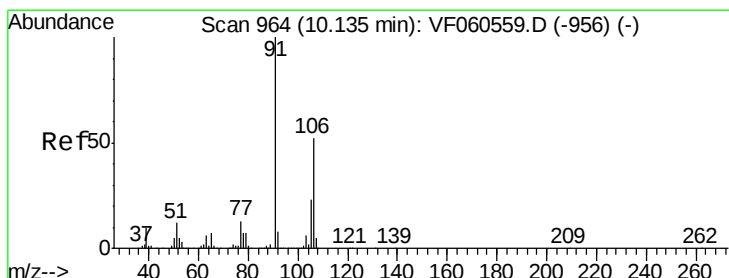
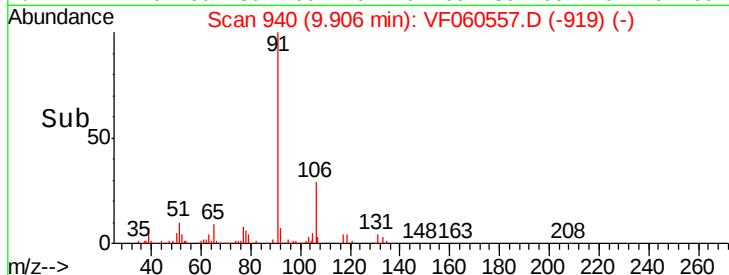
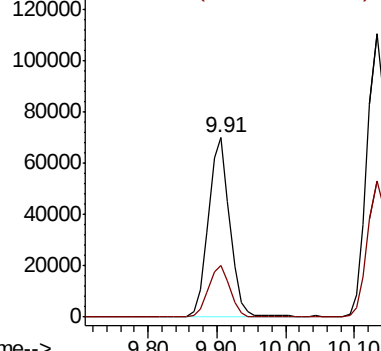
MMDadoda

11/5/2018 3:55:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 22.269 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF060557.D

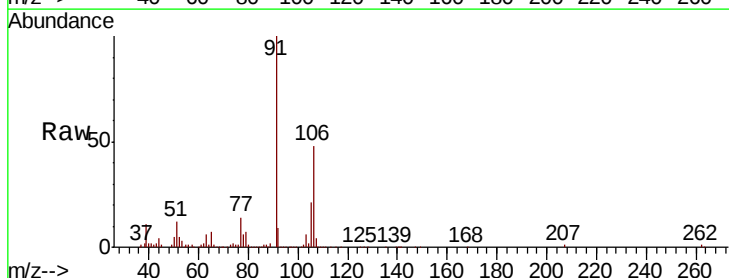
Acq: 2 Nov 2018 11:33

Tgt Ion: 106 Resp: 111127

Ion Ratio Lower Upper

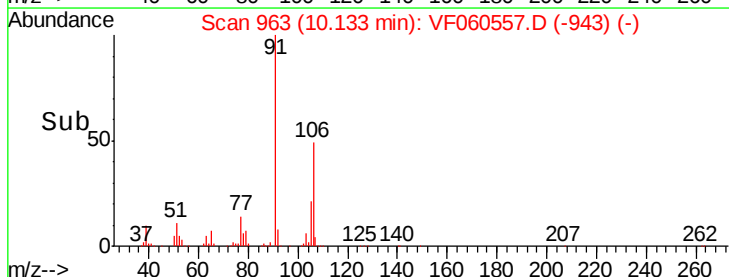
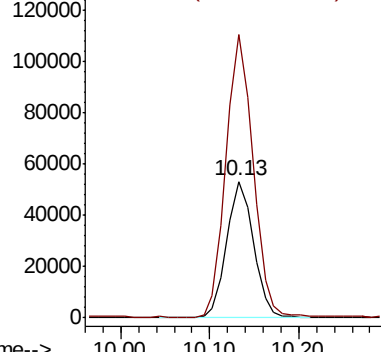
106 100

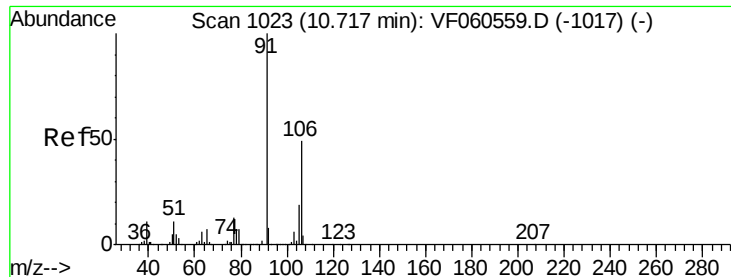
91 207.2 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





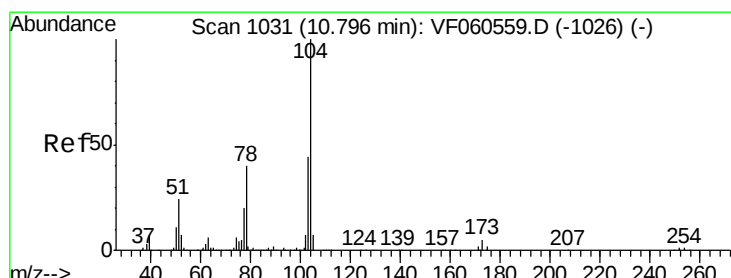
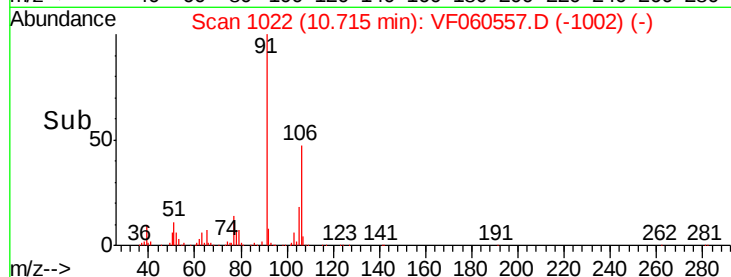
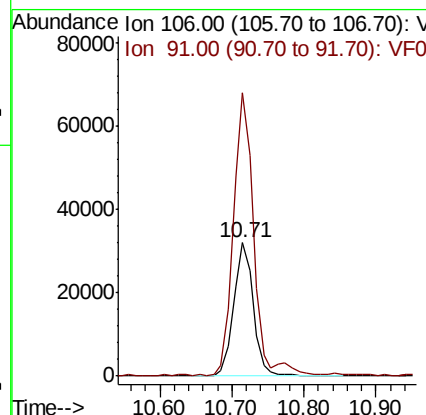
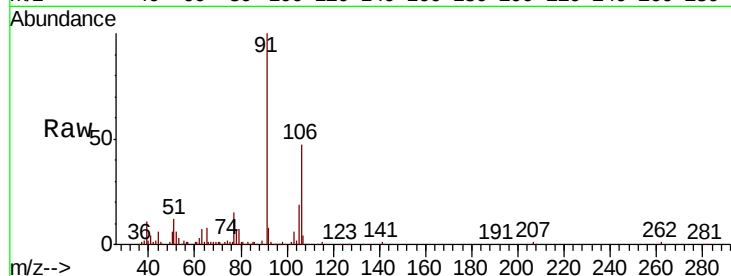
#69
o-Xylene
Concen: 10.885 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	60918		
91	91	212.8	101.8	305.3	

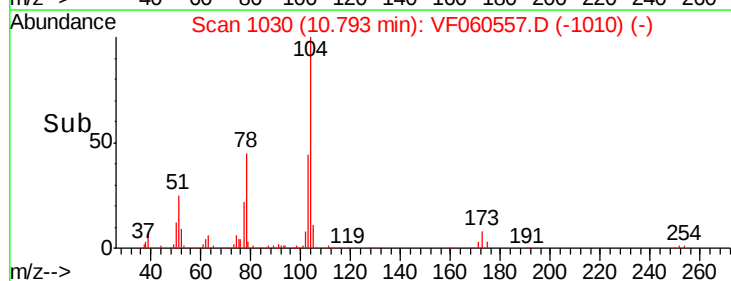
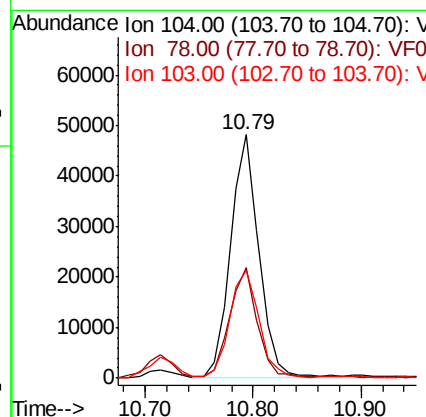
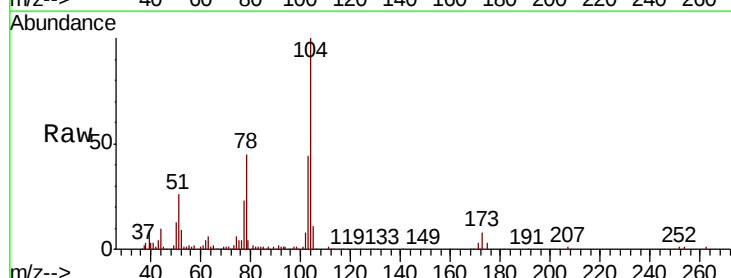
Manual Integrations
APPROVED

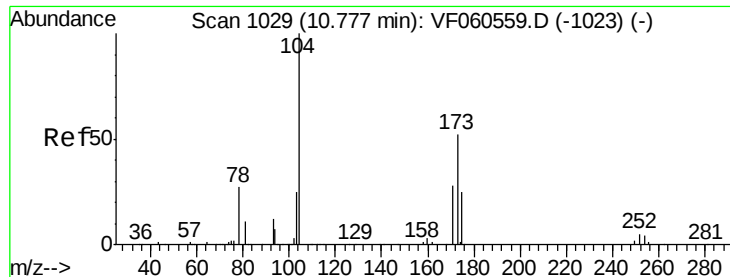
MMDadoda
11/5/2018 3:55:33 PM



#70
Styrene
Concen: 10.993 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	87079		
78	78	45.2	32.6	49.0	
103	103	44.3	35.2	52.8	





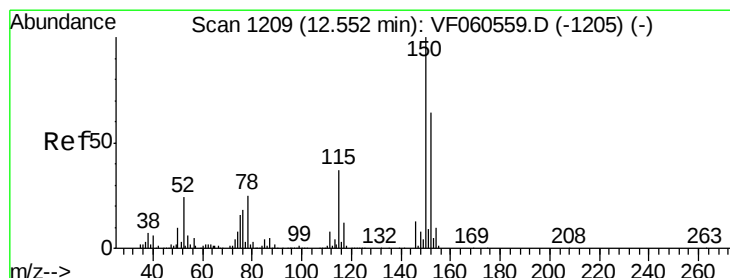
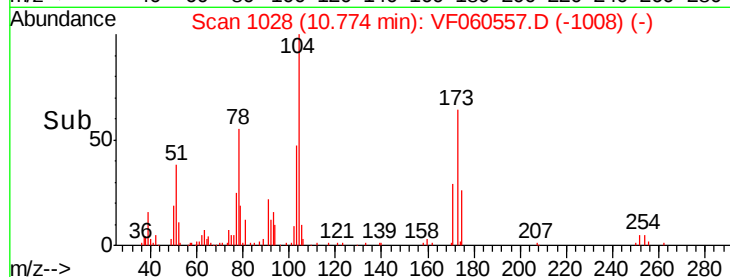
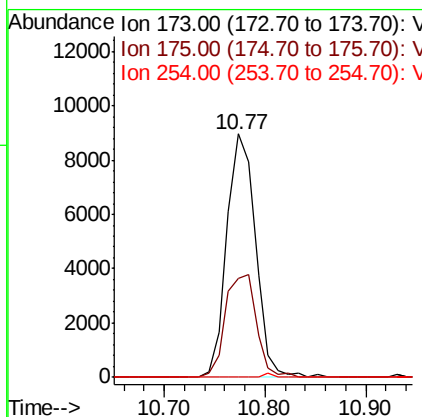
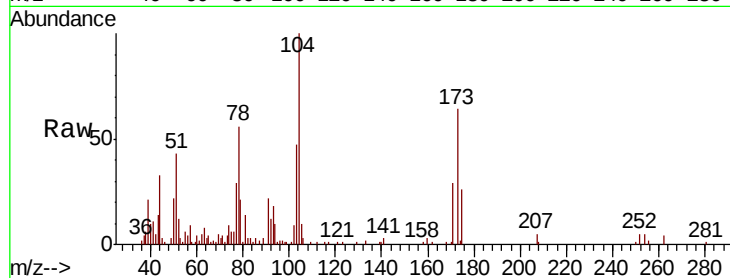
#71
Bromoform
Concen: 10.150 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	40.8	24.3	72.9
254	0.0	6.7	10.1

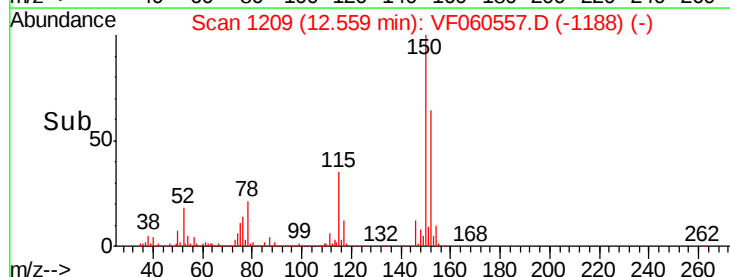
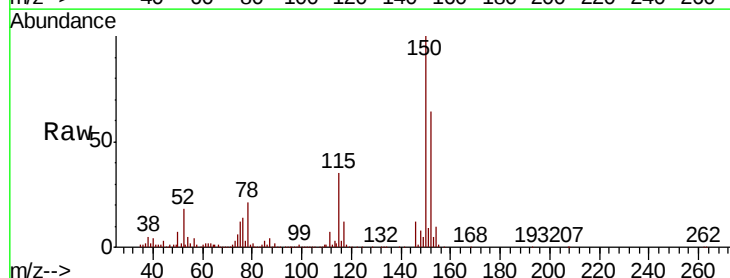
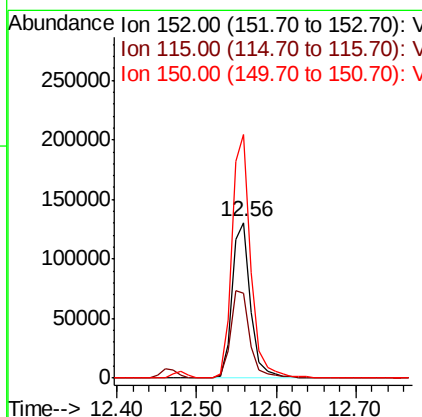
Manual Integrations
APPROVED

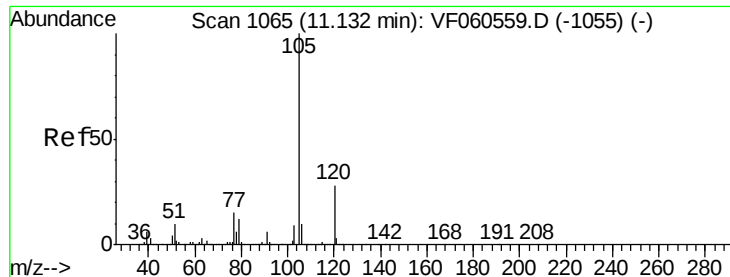
MMDadoda
11/5/2018 3:55:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	29.6	88.8
150	156.1	0.0	315.6





#73

Isopropylbenzene

Concen: 10.474 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 173555

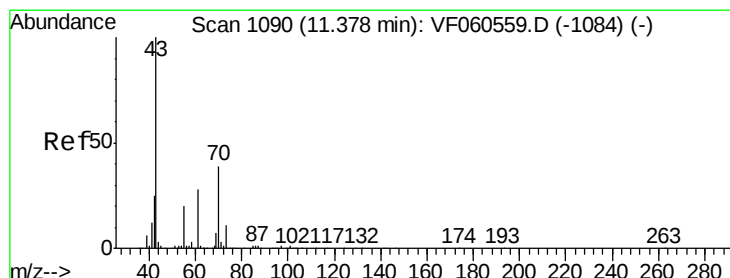
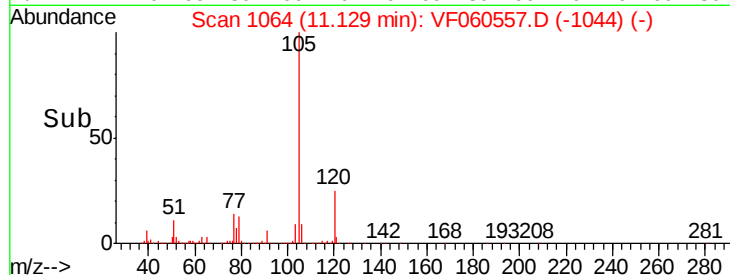
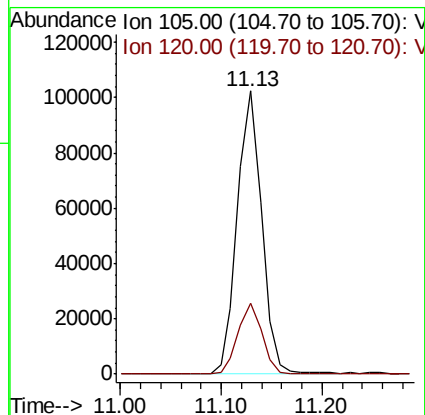
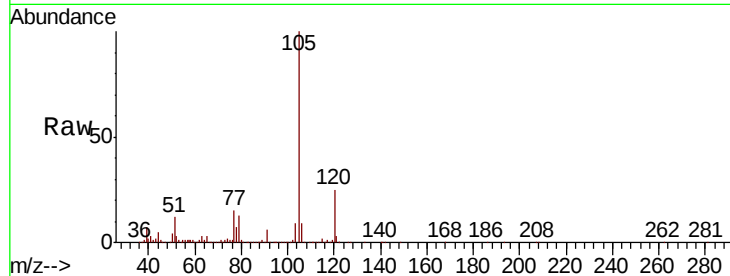
Ion Ratio Lower Upper

105 100

120 25.2 13.9 41.6

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:33 PM



#74

N-ethyl acetate

Concen: 14.605 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion: 43 Resp: 50700

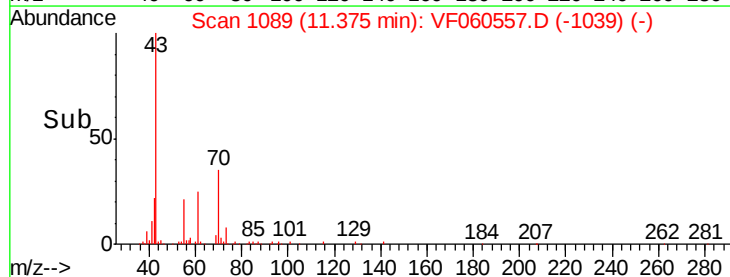
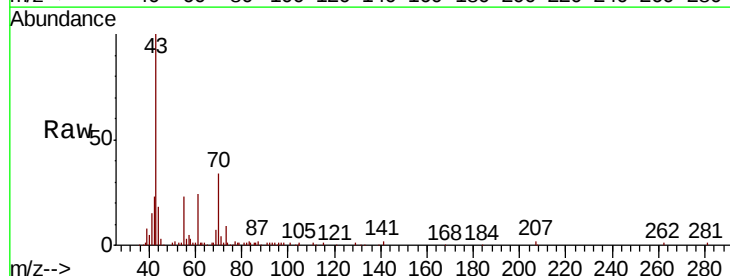
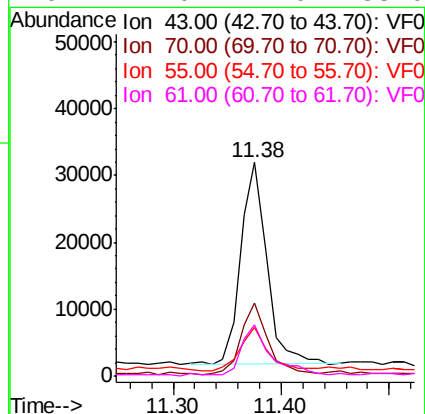
Ion Ratio Lower Upper

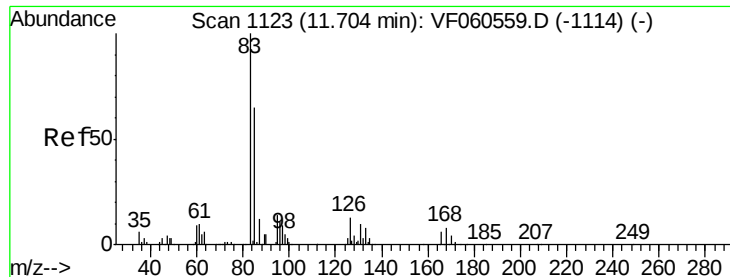
43 100

70 34.3 30.9 46.3

55 22.6 16.6 24.8

61 24.0 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.294 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

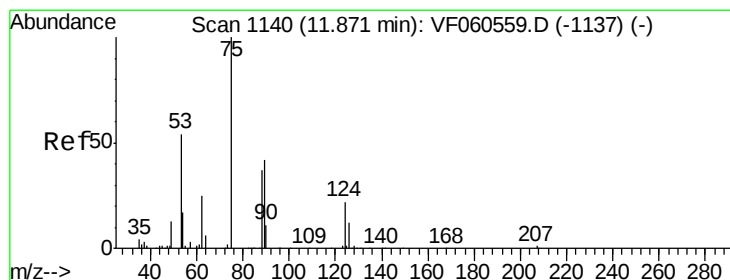
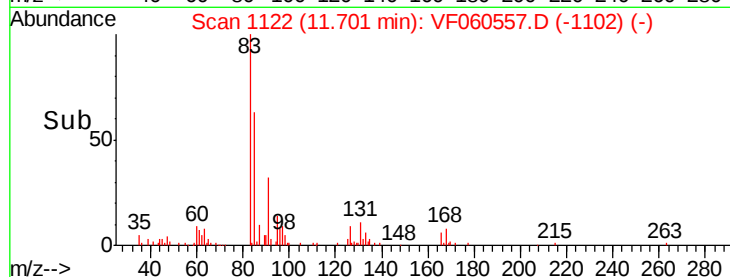
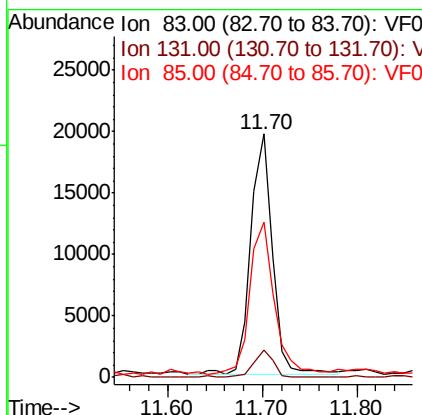
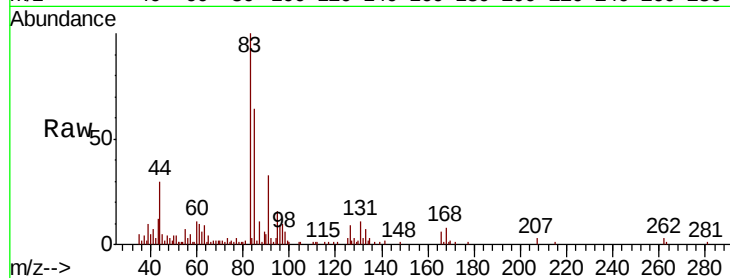
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	31319
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	14.9
85	63.7	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.802 ug/l

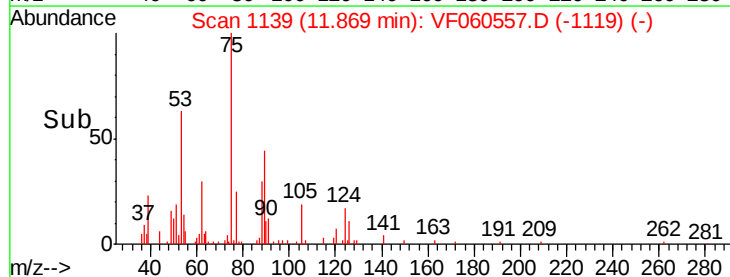
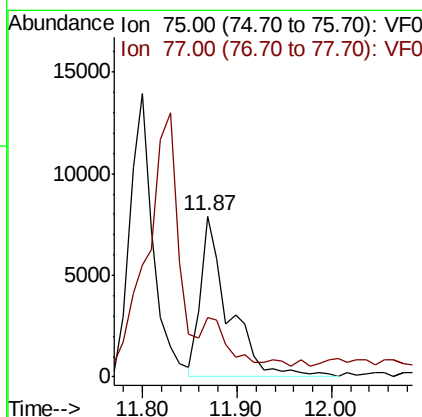
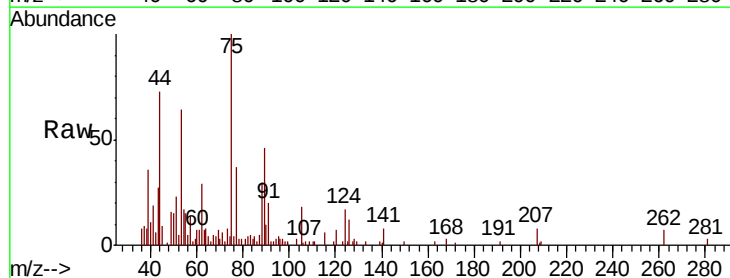
RT: 11.87 min Scan# 1139

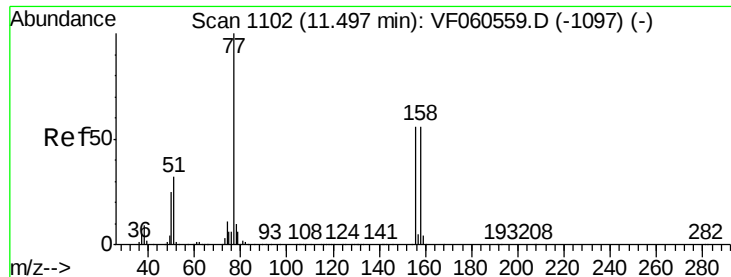
Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	75	Resp:	16757
Ion Ratio	Lower	Upper	
75	100		
77	36.7	17.4	52.3





#77

Bromobenzene

Concen: 10.412 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

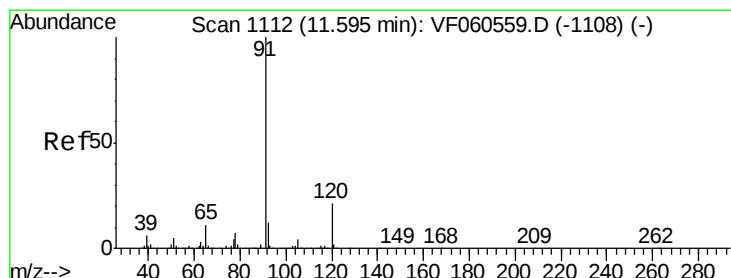
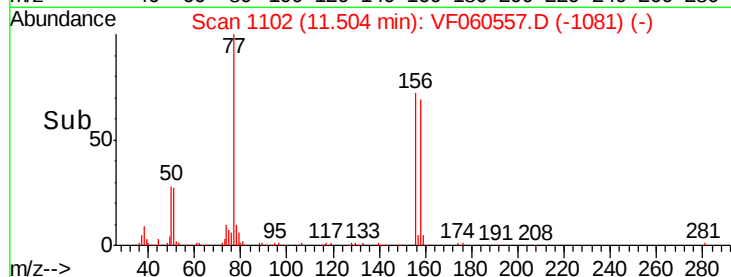
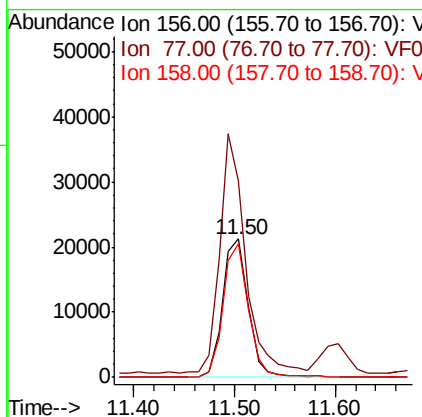
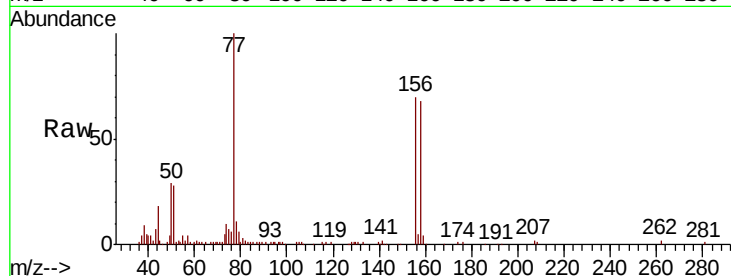
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	37759
Ion	Ratio	Lower	Upper
156	100		
77	142.0	89.3	268.1
158	96.7	50.0	150.1

Manual Integrations
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#78

n-propylbenzene

Concen: 10.637 ug/l

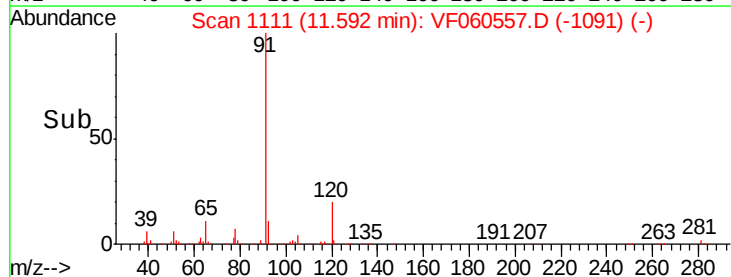
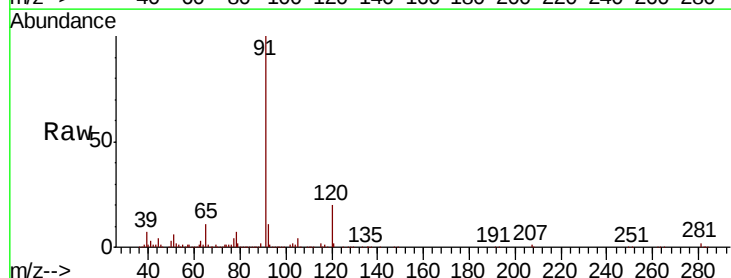
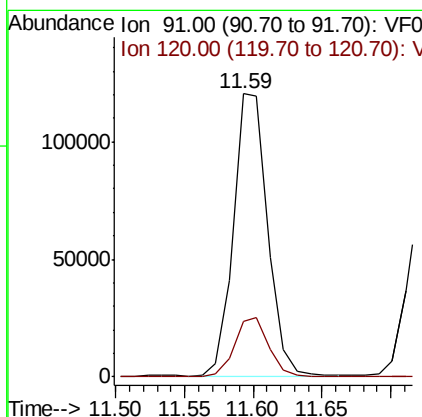
RT: 11.59 min Scan# 1111

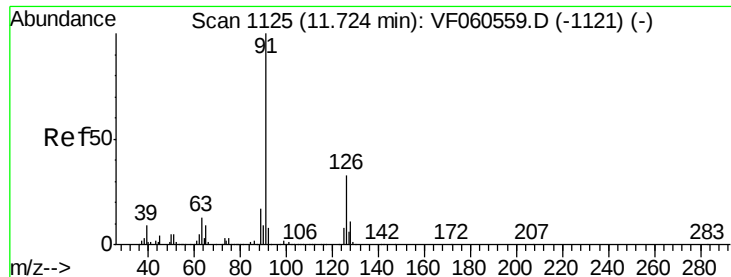
Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	91	Resp:	207706
Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.5	31.6





#79

2-Chlorotoluene

Concen: 10.184 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 118409

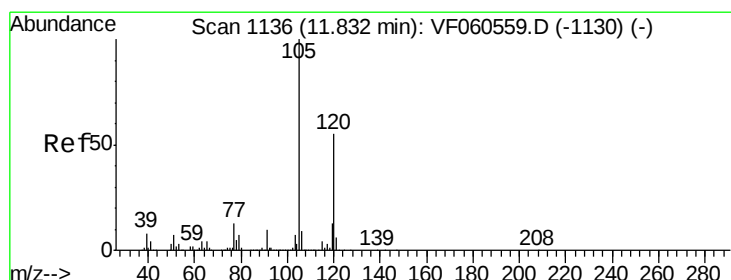
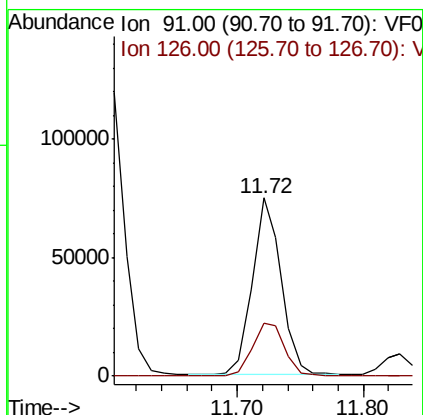
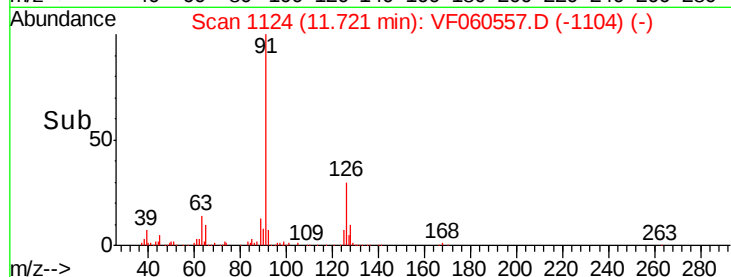
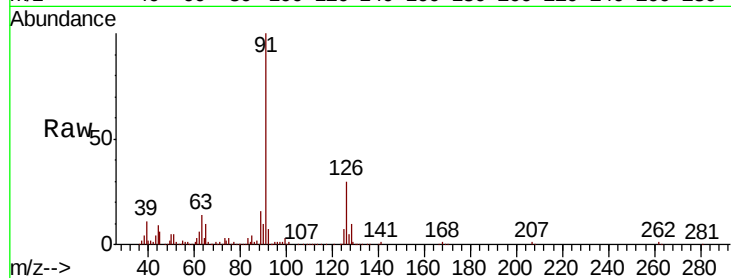
Ion Ratio Lower Upper

91 100

126 29.9 16.5 49.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 10.290 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060557.D

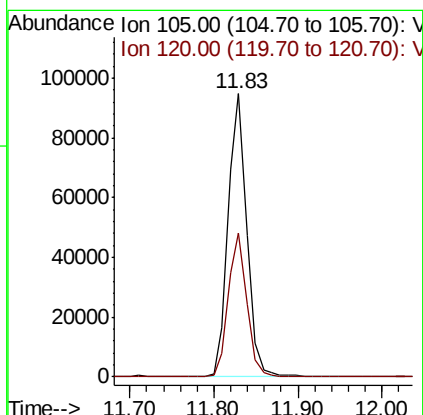
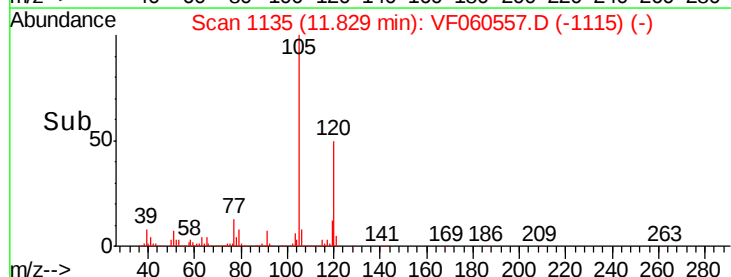
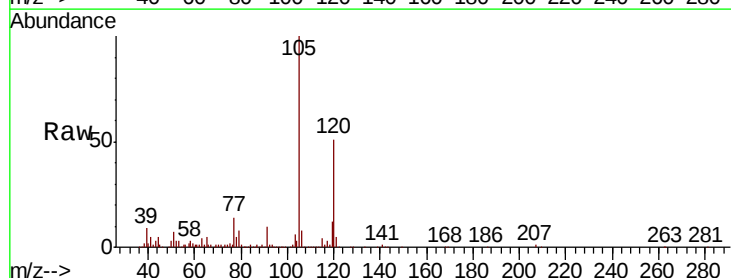
Acq: 2 Nov 2018 11:33

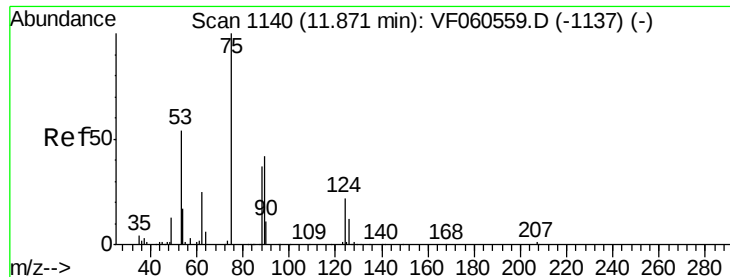
Tgt Ion: 105 Resp: 145460

Ion Ratio Lower Upper

105 100

120 50.8 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 12.433 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

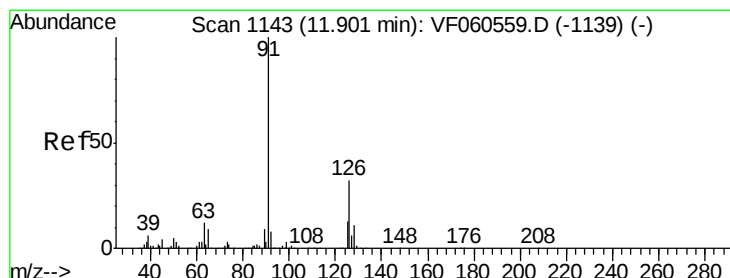
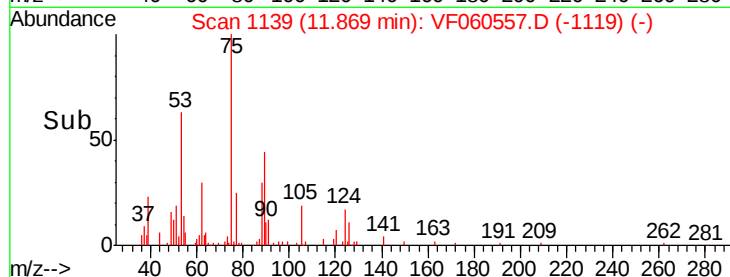
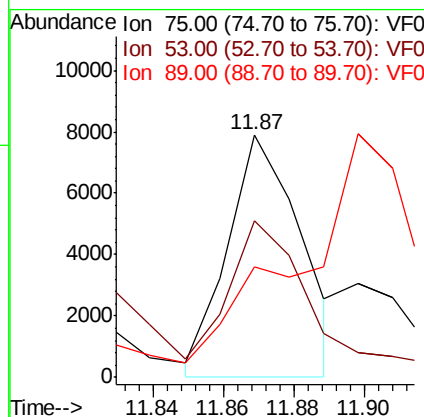
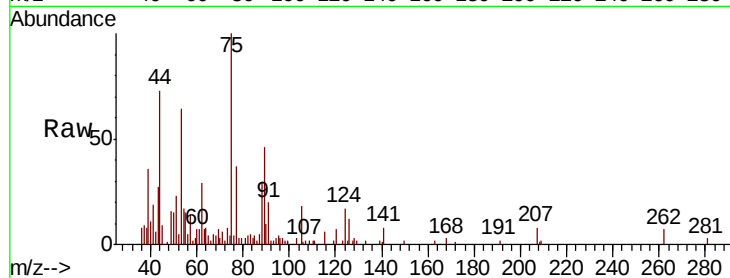
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	11557
Ion	Ratio	Lower	Upper
75	100		
53	64.3	51.6	77.4
89	45.6	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.141 ug/l

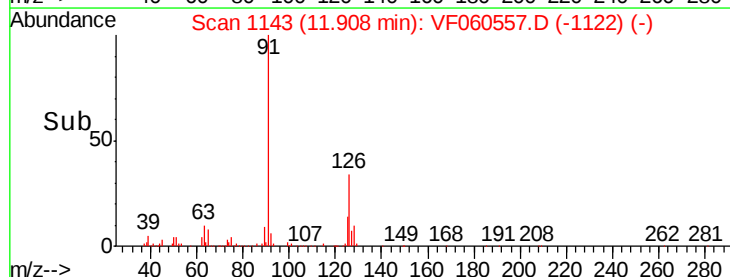
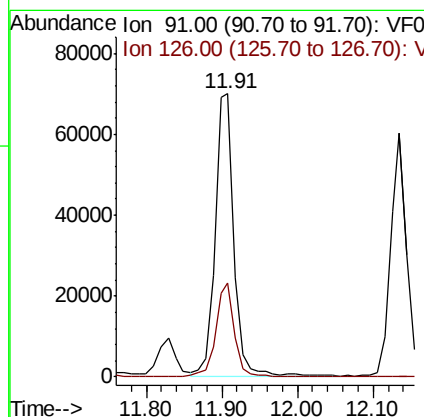
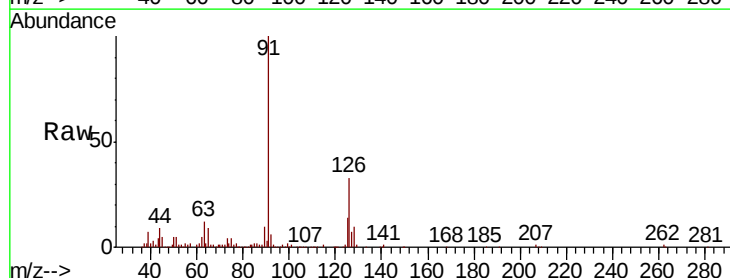
RT: 11.91 min Scan# 1143

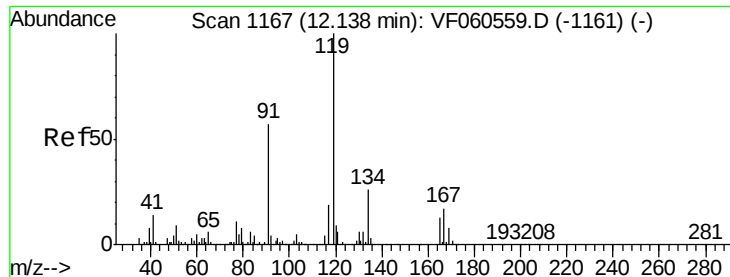
Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Tgt Ion:	91	Resp:	121736
Ion	Ratio	Lower	Upper
91	100		
126	33.1	15.9	47.7





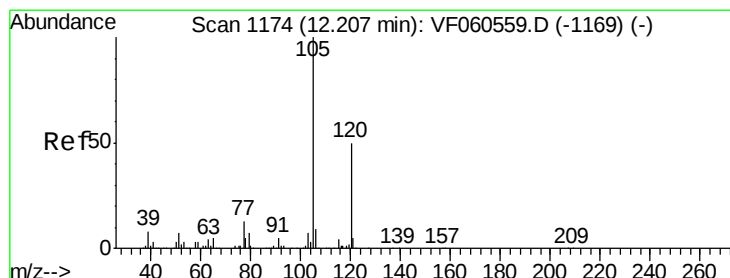
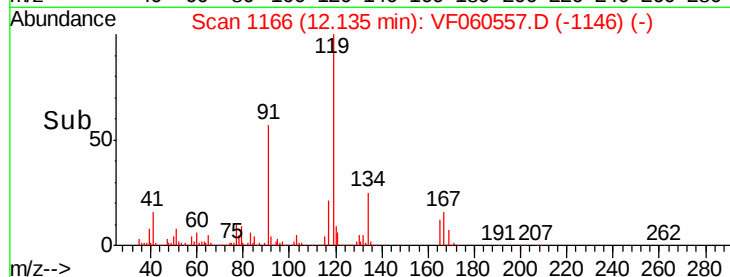
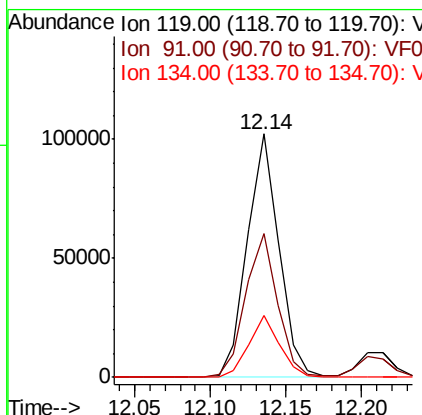
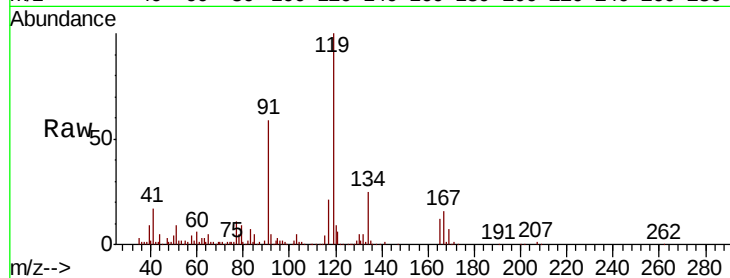
#83
tert-Butylbenzene
Concen: 10.865 ug/l
RT: 12.14 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	28.8	86.4
134	25.4	13.2	39.6

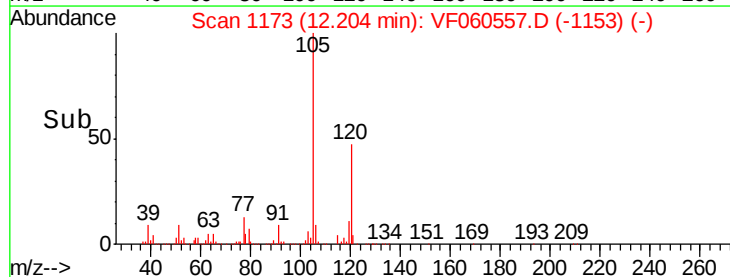
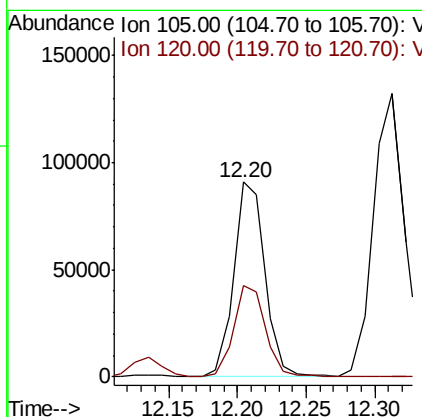
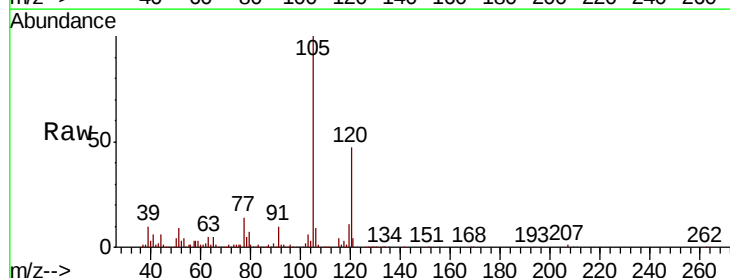
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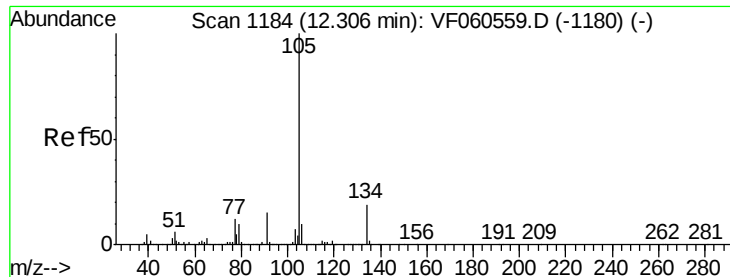
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#84
1,2,4-Trimethylbenzene
Concen: 9.927 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	25.6	76.8





#85

sec-Butylbenzene

Concen: 10.623 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 206826

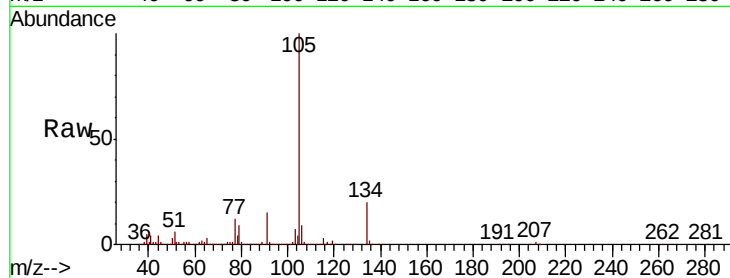
Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1

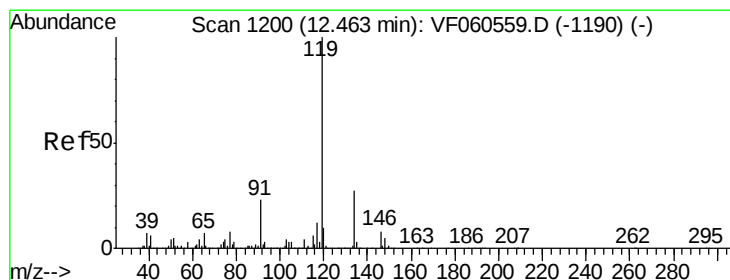
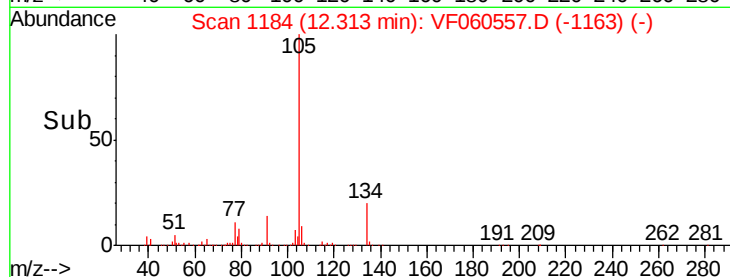
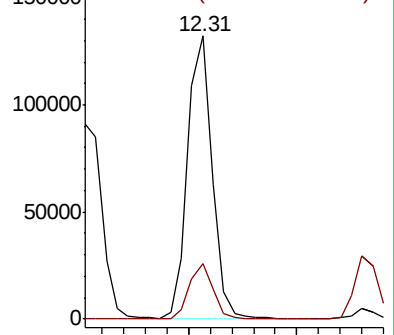
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.991 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF060557.D

Acq: 2 Nov 2018 11:33

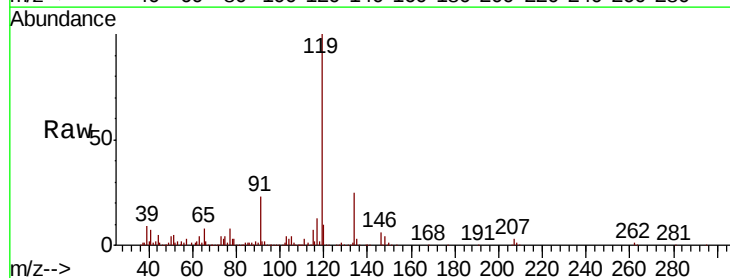
Tgt Ion:119 Resp: 175480

Ion Ratio Lower Upper

119 100

134 24.7 13.6 40.7

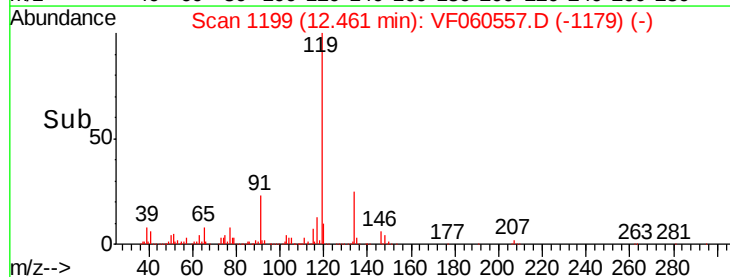
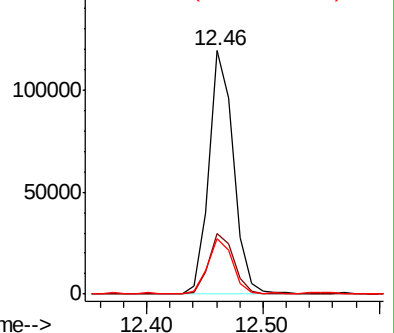
91 23.0 11.4 34.2

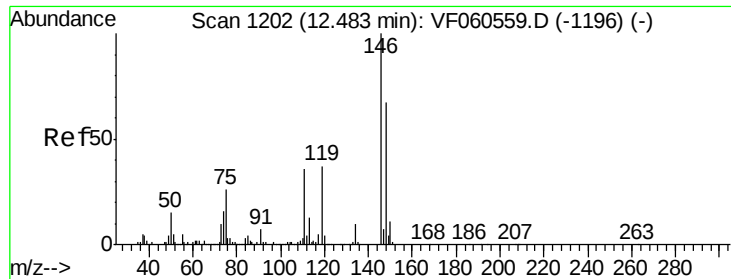


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





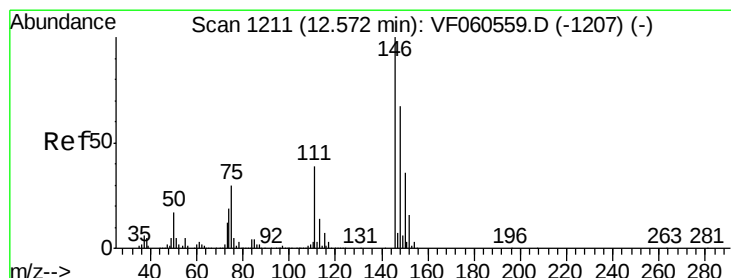
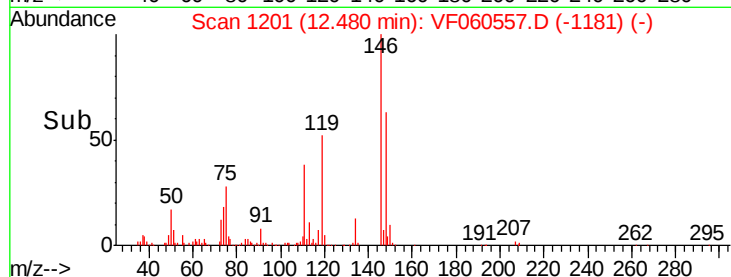
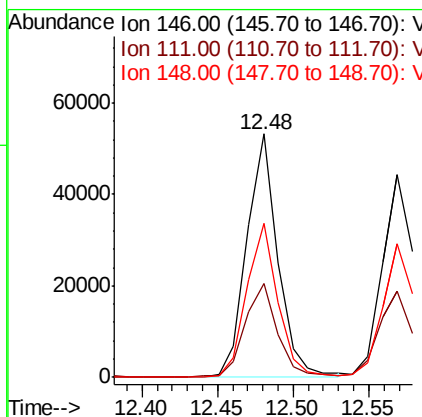
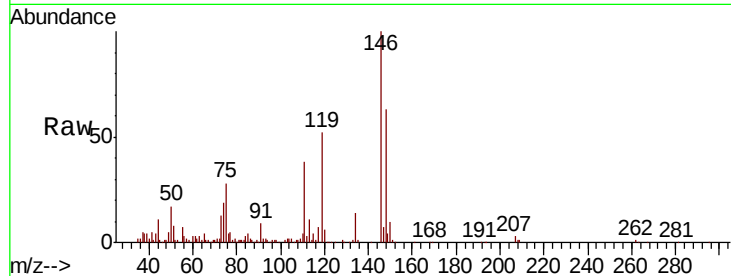
#87
 1,3-Dichlorobenzene
 Concen: 10.560 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.3	54.8
148	63.3	33.5	100.4

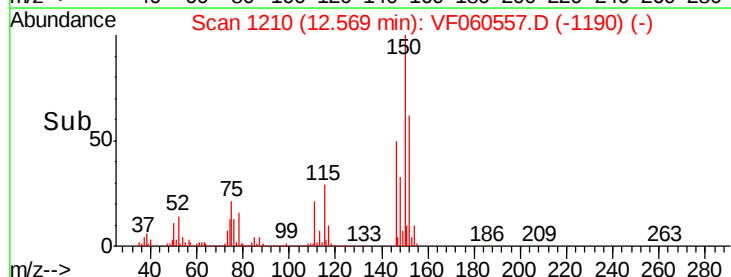
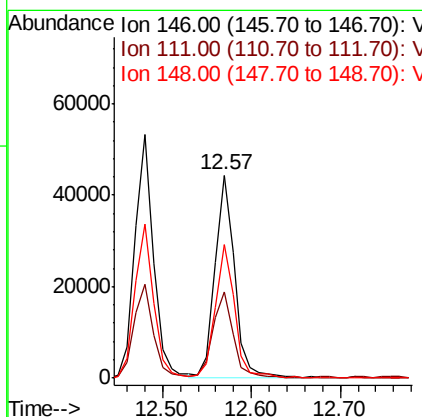
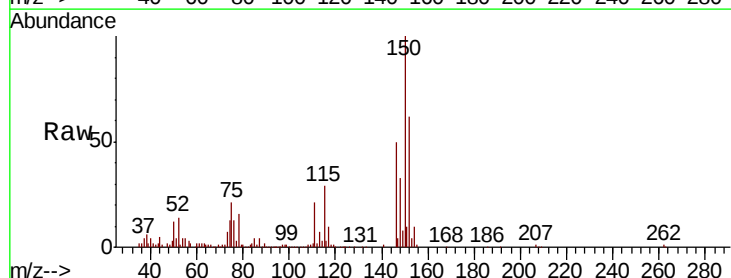
Manual Integrations
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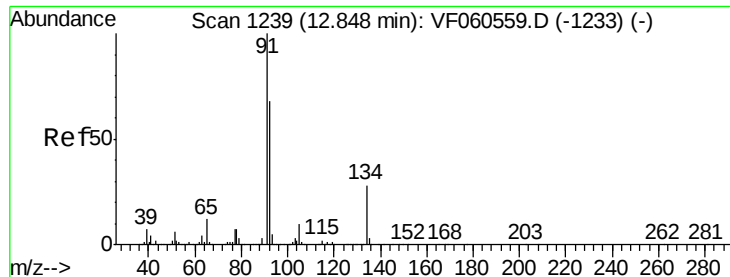
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#88
 1,4-Dichlorobenzene
 Concen: 10.088 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.7	59.1
148	65.9	33.7	101.1





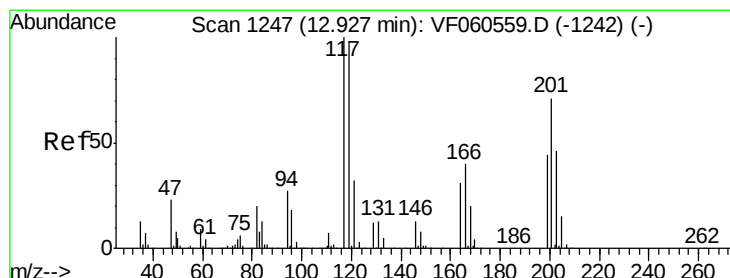
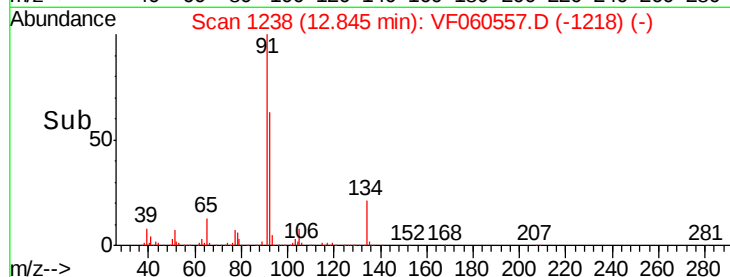
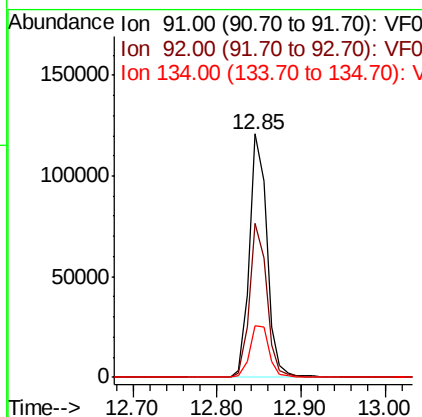
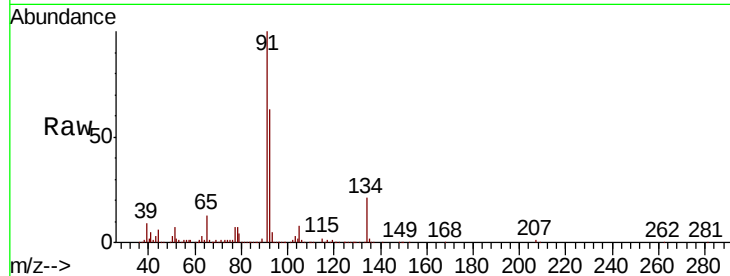
#89
n-Butylbenzene
Concen: 10.507 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	34.1	102.2
134	21.4	13.9	41.6

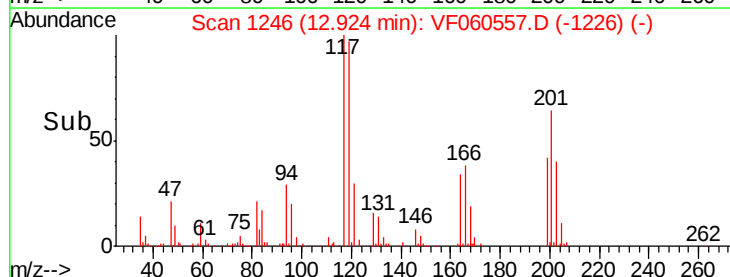
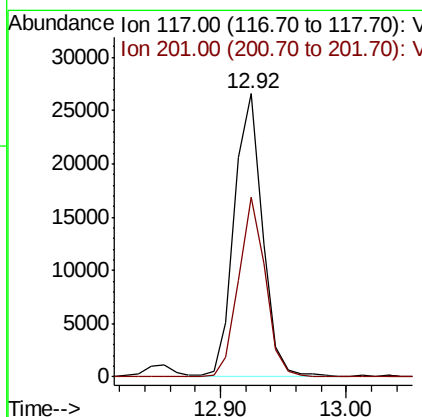
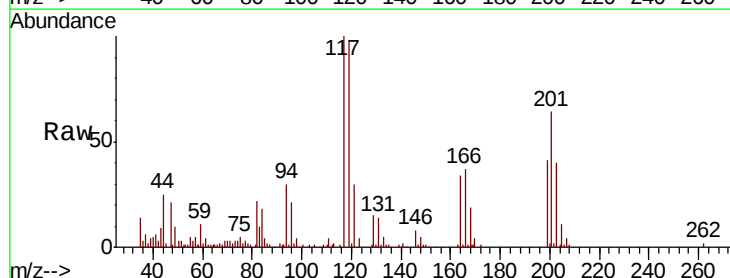
Manual Integrations
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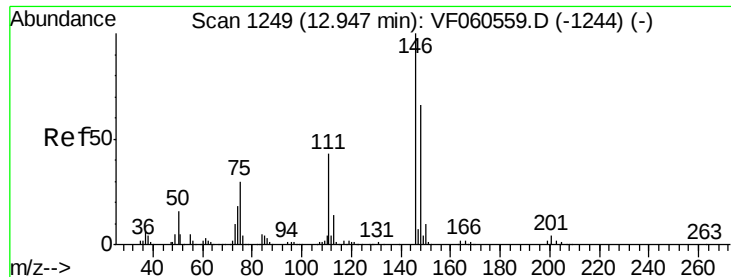
MMDadoda
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#90
Hexachloroethane
Concen: 9.977 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	35.2	105.6





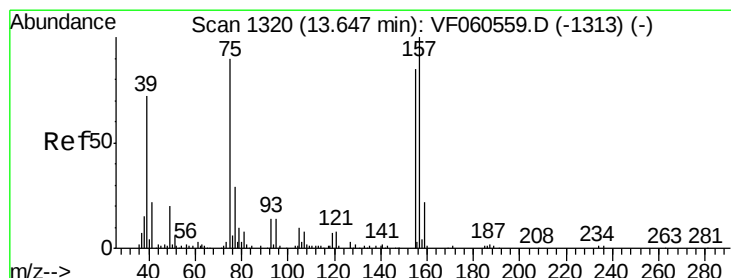
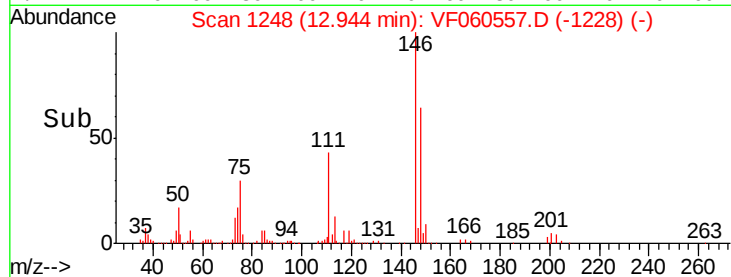
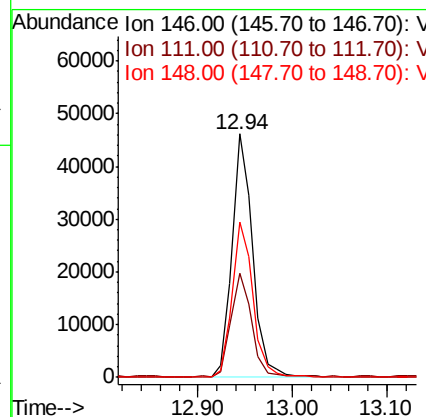
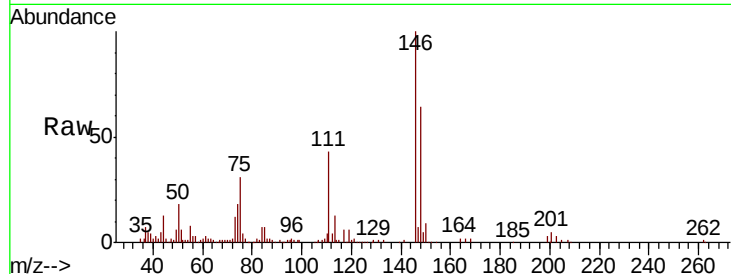
#91
 1,2-Dichlorobenzene
 Concen: 10.267 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	64.0
148	63.9	32.9	98.7

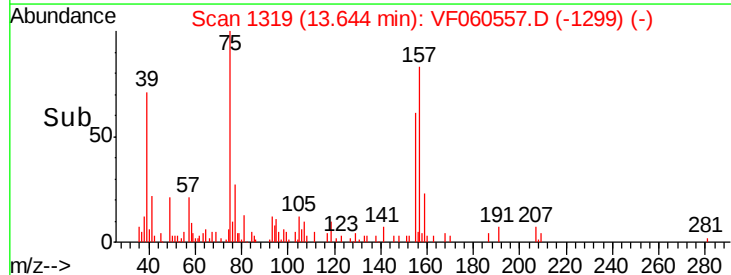
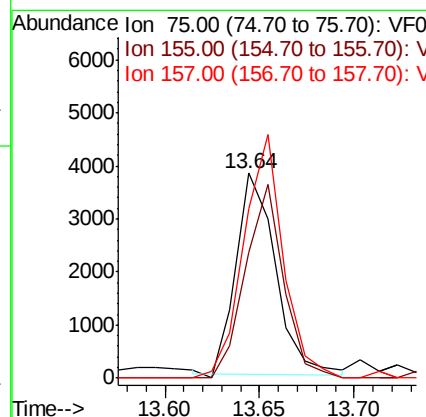
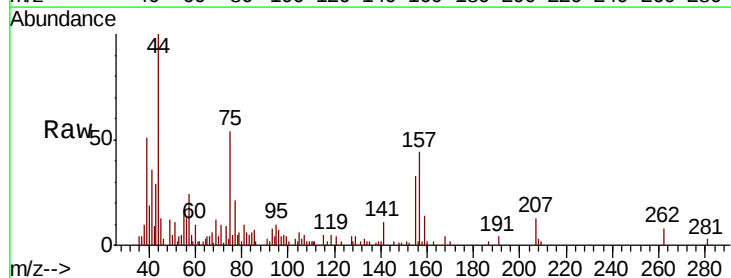
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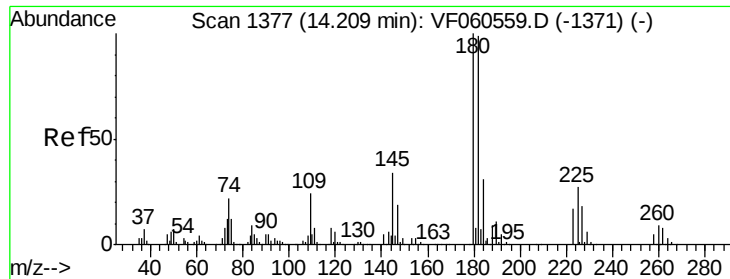
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.698 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.5	47.3	141.8
157	82.7	55.3	165.9





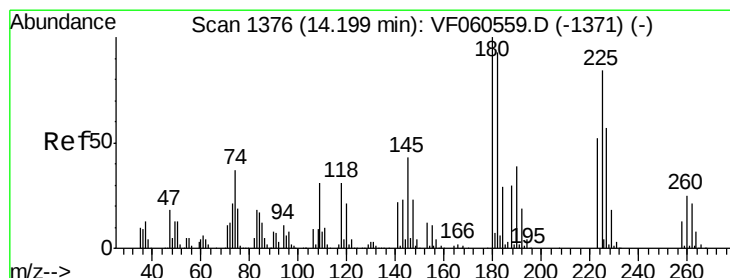
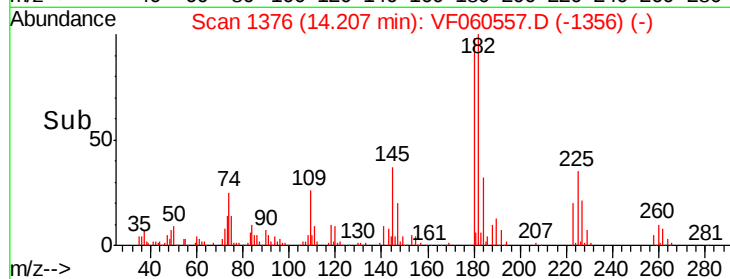
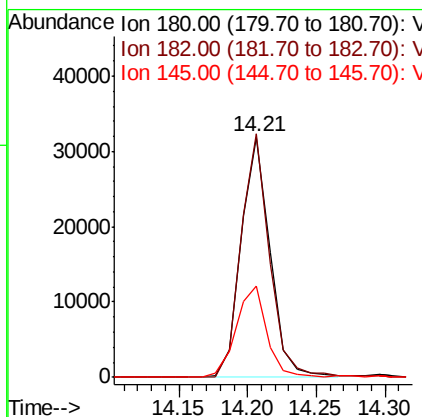
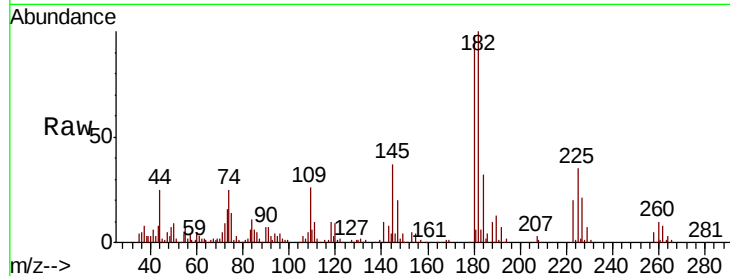
#93
 1,2,4-Trichlorobenzene
 Concen: 9.321 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46888		
182	101.5	49.7	149.1	
145	38.0	16.9	50.7	

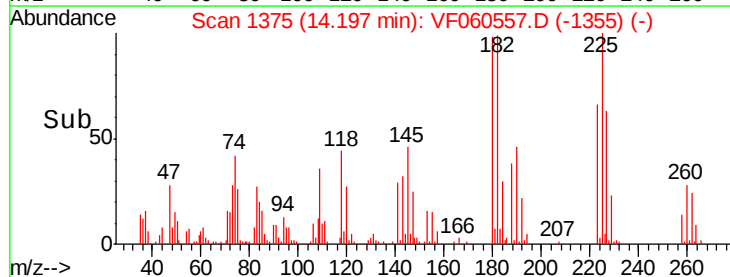
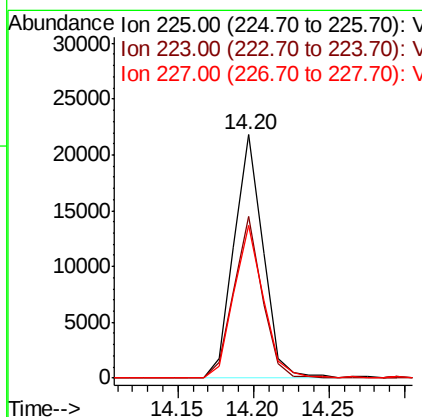
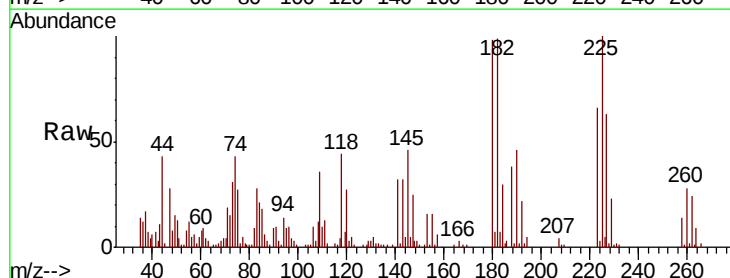
Manual Integrations
 APPROVED

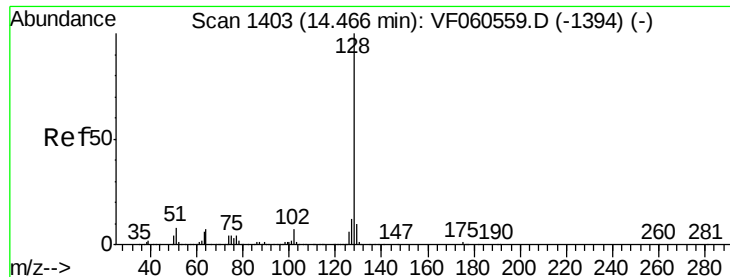
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#94
 Hexachlorobutadiene
 Concen: 8.283 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF060557.D
 Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29161		
223	66.4	30.9	92.5	
227	62.7	33.9	101.6	





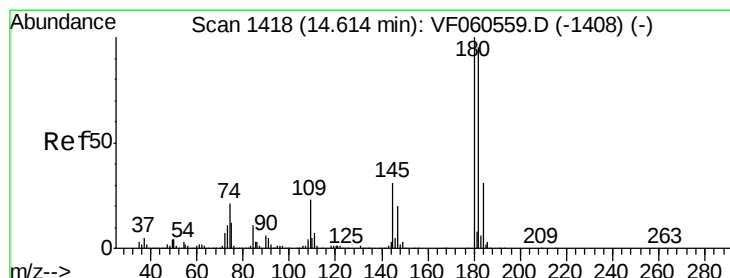
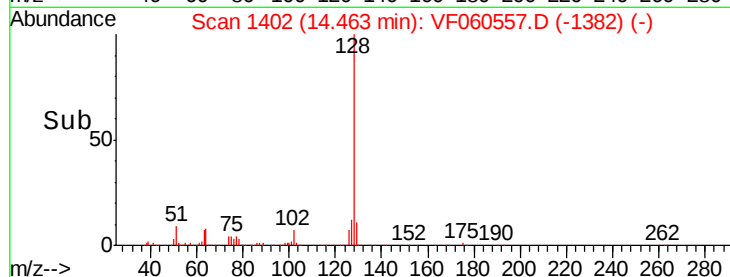
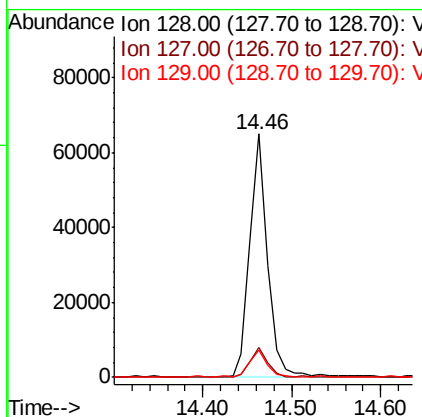
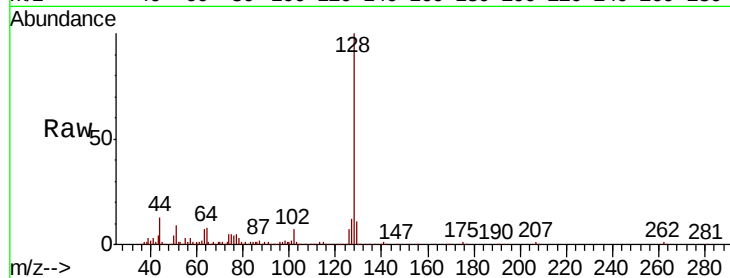
#95
Naphthalene
Concen: 9.996 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.4	14.0
129	11.4	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 8.633 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF060557.D
Acq: 2 Nov 2018 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.3	142.0
145	33.5	15.6	46.8

