

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060564.D
 Acq On : 2 Nov 2018 16:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:39 PM

Quant Time: Nov 03 04:08:31 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	261389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	435316	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	372669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	216124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	14567	3.82	ug/l	0.00
Spiked Amount			Recovery	=	7.64%	
35) Dibromofluoromethane	4.12	113	17998	4.40	ug/l	0.01
Spiked Amount			Recovery	=	8.80%	
50) Toluene-d8	7.55	98	55832	5.54	ug/l	0.00
Spiked Amount			Recovery	=	11.08%	
62) 4-Bromofluorobenzene	11.42	95	24110	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	17649	3.626	ug/l	93
3) Chloromethane	1.11	50	12469	4.251	ug/l	91
4) Vinyl Chloride	1.15	62	11022	3.648	ug/l #	83
5) Bromomethane	1.34	94	7274	3.175	ug/l	99
6) Chloroethane	1.39	64	5804	3.770	ug/l #	86
7) Trichlorofluoromethane	1.49	101	21455m	3.047	ug/l	
8) Diethyl Ether	1.63	74	4369	4.777	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.83	101	12792	3.650	ug/l	86
10) Methyl Iodide	1.89	142	20704	3.786	ug/l #	92
11) Tert butyl alcohol	2.57	59	4882	26.714	ug/l #	8
12) 1,1-Dichloroethene	1.79	96	11545	4.091	ug/l	89
13) Acrolein	2.01	56	4266	27.214	ug/l #	76
14) Allyl chloride	2.10	41	14728	3.250	ug/l #	92
15) Acrylonitrile	2.95	53	8830	22.493	ug/l #	86
16) Acetone	2.25	43	17824	21.488	ug/l	93
17) Carbon Disulfide	1.84	76	30278	3.847	ug/l	97
18) Methyl Acetate	2.35	43	7162	5.935	ug/l #	87
19) Methyl tert-butyl Ether	2.43	73	25537	4.124	ug/l #	76
20) Methylene Chloride	2.24	84	20952m	7.097	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	10628	3.678	ug/l	93
22) Diisopropyl ether	2.81	45	37388	4.554	ug/l #	87
23) Vinyl Acetate	3.19	43	109444	33.821	ug/l	96
24) 1,1-Dichloroethane	2.88	63	20281	3.452	ug/l #	92
25) 2-Butanone	4.35	43	55713	46.076	ug/l	97
26) 2,2-Dichloropropane	3.61	77	17437	4.807	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	22018	6.036	ug/l	93
28) Bromochloromethane	3.72	49	13183	5.911	ug/l	97
29) Tetrahydrofuran	4.09	42	16956	45.223	ug/l	98
30) Chloroform	3.86	83	32549	4.348	ug/l	93
31) Cyclohexane	3.70	56	28254	6.239	ug/l #	87
32) 1,1,1-Trichloroethane	4.09	97	22301	3.683	ug/l #	90
36) 1,1-Dichloropropene	4.28	75	26127	4.896	ug/l #	93
37) Ethyl Acetate	4.12	43	13030	7.150	ug/l #	73
38) Carbon Tetrachloride	3.99	117	22778	3.736	ug/l	98

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 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Nov 03 04:08:31 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)
39) Methylcyclohexane	5.45	83	33347	5.956	ug/l	89
40) Benzene	4.63	78	63454	5.818	ug/l	95
41) Methacrylonitrile	4.75	41	7994	7.660	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	17823	3.790	ug/l	98
43) Isopropyl Acetate	6.96	43	17014	7.826	ug/l #	89
44) Trichloroethene	5.50	130	19612	5.594	ug/l	90
45) 1,2-Dichloropropane	6.23	63	17108	6.279	ug/l #	83
46) Dibromomethane	6.09	93	10342	5.031	ug/l	92
47) Bromodichloromethane	6.39	83	24677	4.738	ug/l	94
48) Methyl methacrylate	6.72	41	10251	6.977	ug/l	90
49) 1,4-Dioxane	6.70	88	1764	123.046	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	57320	36.577	ug/l	93
52) Toluene	7.63	92	41935	5.991	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	22741	5.548	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	27033	5.443	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	12646	6.162	ug/l	94
56) Ethyl methacrylate	8.62	69	17140	7.377	ug/l #	90
57) 1,3-Dichloropropane	8.85	76	22780	6.554	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.63	63	6448	27.617	ug/l	100
59) 2-Hexanone	9.50	43	48655	42.865	ug/l	98
60) Dibromochloromethane	8.72	129	17655	5.408	ug/l	95
61) 1,2-Dibromoethane	8.99	107	12748	5.390	ug/l	99
64) Tetrachloroethene	8.15	164	16221	5.231	ug/l	95
65) Chlorobenzene	9.80	112	42217	5.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	19067	5.631	ug/l	94
67) Ethyl Benzene	9.90	91	84043	5.924	ug/l	98
68) m/p-Xylenes	10.14	106	62441	12.741	ug/l	97
69) o-Xylene	10.72	106	32678	5.945	ug/l	93
70) Styrene	10.79	104	48870	6.282	ug/l	94
71) Bromoform	10.78	173	9108	5.282	ug/l #	96
73) Isopropylbenzene	11.12	105	95483	5.712	ug/l	98
74) N-amyl acetate	11.37	43	33493	9.564	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.70	83	16385	5.857	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	8290	4.316	ug/l	82
77) Bromobenzene	11.50	156	21124	5.774	ug/l	97
78) n-propylbenzene	11.60	91	120842	6.134	ug/l	98
79) 2-Chlorotoluene	11.72	91	64880	5.531	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	85364	5.986	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	7089m	7.560	ug/l	
82) 4-Chlorotoluene	11.90	91	71424	5.898	ug/l	98
83) tert-Butylbenzene	12.14	119	83882	5.987	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	82242	5.677	ug/l	96
85) sec-Butylbenzene	12.31	105	115843	5.898	ug/l	97
86) p-Isopropyltoluene	12.46	119	91872	5.704	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	43064	5.890	ug/l	93
88) 1,4-Dichlorobenzene	12.57	146	39246	5.680	ug/l	93
89) n-Butylbenzene	12.85	91	96721	5.728	ug/l	93
90) Hexachloroethane	12.92	117	22956	5.530	ug/l	77
91) 1,2-Dichlorobenzene	12.95	146	39157	5.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2664	4.703	ug/l	95

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Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

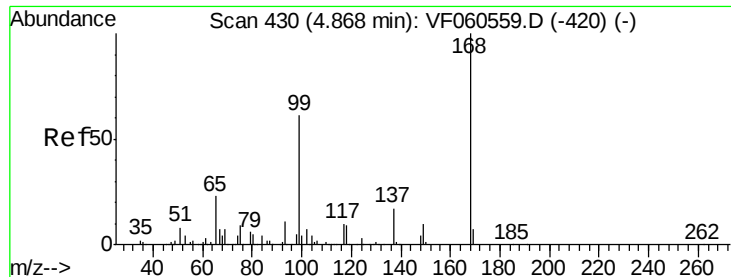
Manual Integrations
APPROVED

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11/5/2018 3:55:39 PM

Quant Time: Nov 03 04:08:31 2018
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	14.20	180	27059	5.332	ug/l	87
94) Hexachlorobutadiene	14.20	225	17470	4.919	ug/l	94
95) Naphthalene	14.47	128	53699	5.949	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	25295	5.251	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 261389

Ion Ratio Lower Upper

168 100

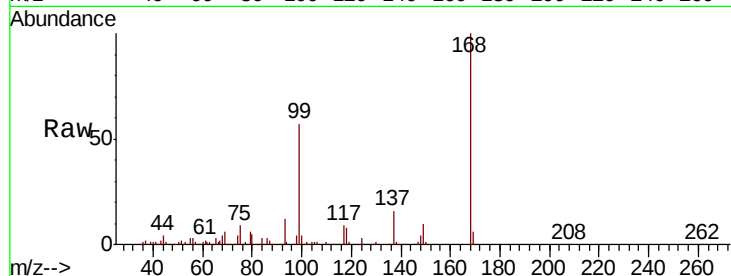
99 57.1 48.6 72.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF060559.D (-420) (-)

Ion 99.00 (98.70 to 99.70): VF060559.D (-420) (-)

4.87

80000

60000

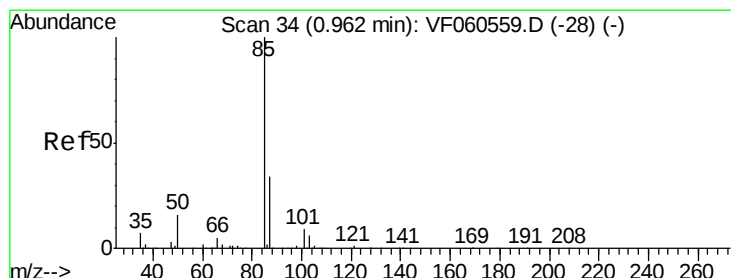
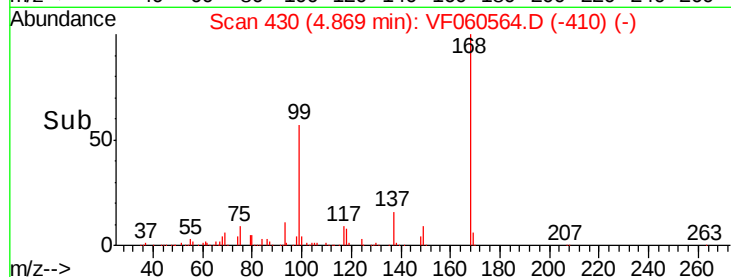
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.626 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060564.D

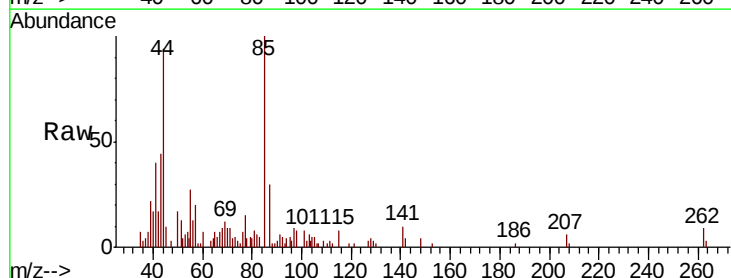
Acq: 2 Nov 2018 16:49

Tgt Ion: 85 Resp: 17649

Ion Ratio Lower Upper

85 100

87 29.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF060559.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VF060559.D (-28) (-)

0.97

6000

5000

4000

3000

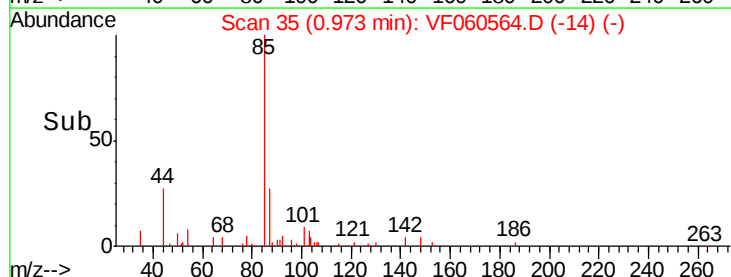
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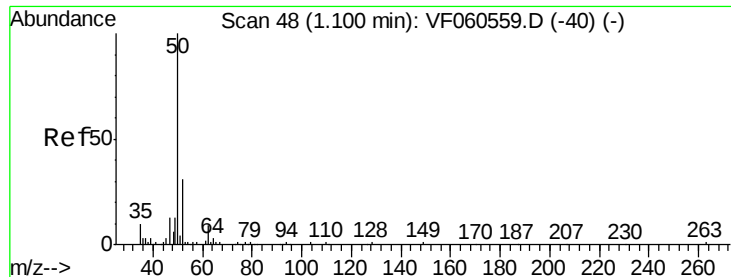
1000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 4.251 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12469

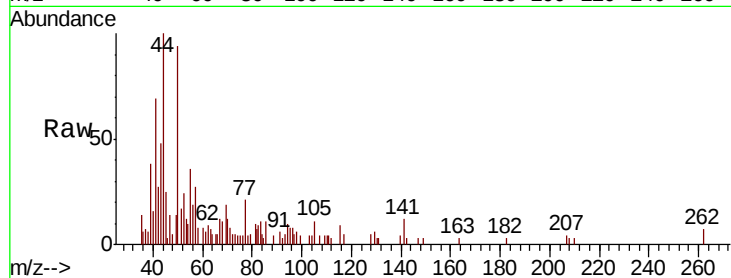
Ion Ratio Lower Upper

50 100

52 25.0 24.0 36.0

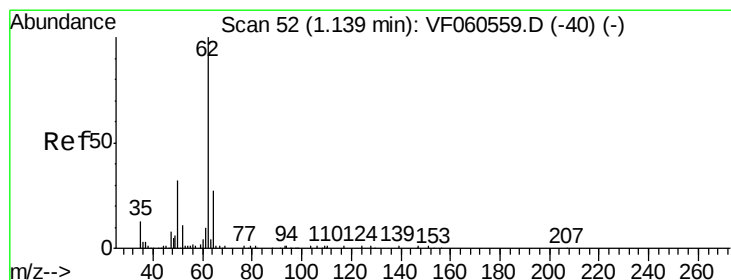
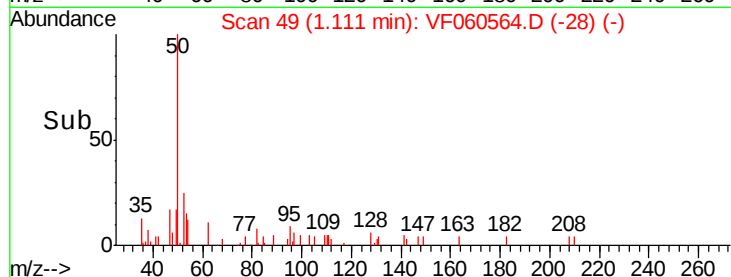
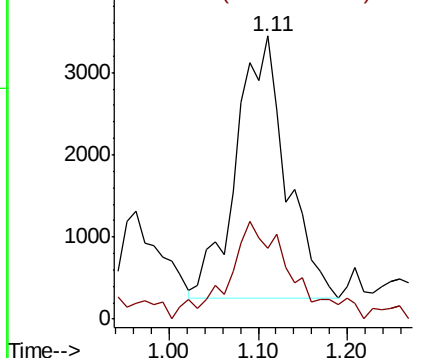
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 3.648 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060564.D

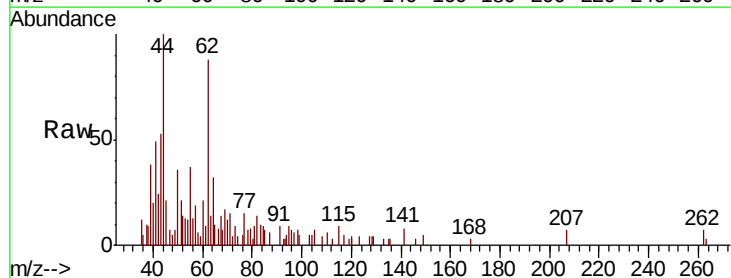
Acq: 2 Nov 2018 16:49

Tgt Ion: 62 Resp: 11022

Ion Ratio Lower Upper

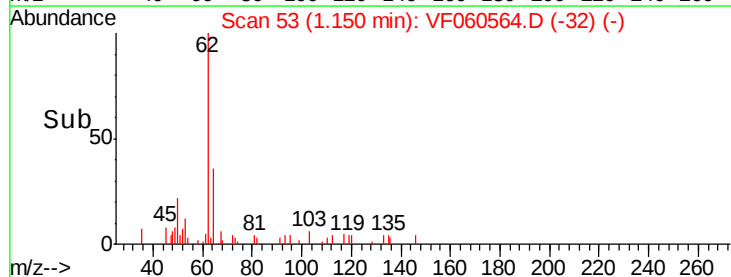
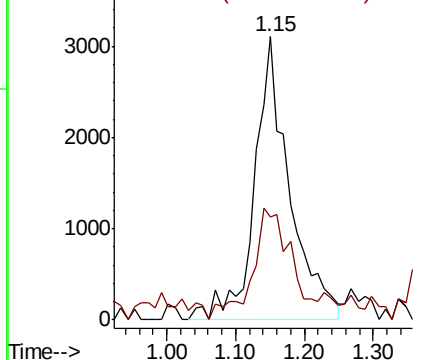
62 100

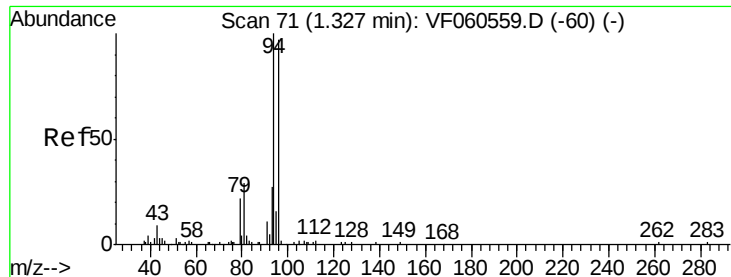
64 36.2 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 3.175 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7274

Ion Ratio Lower Upper

94 100

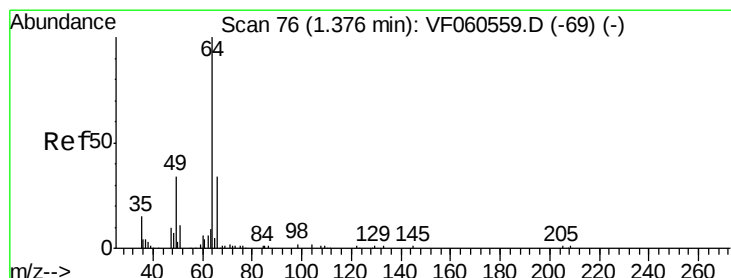
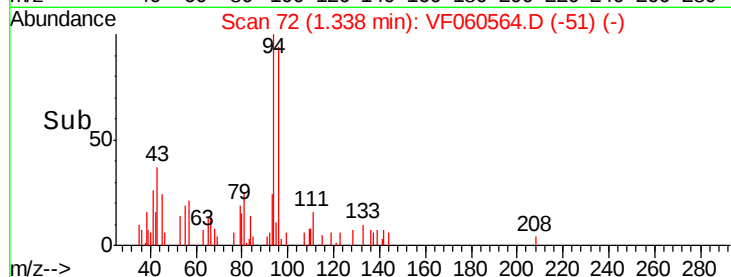
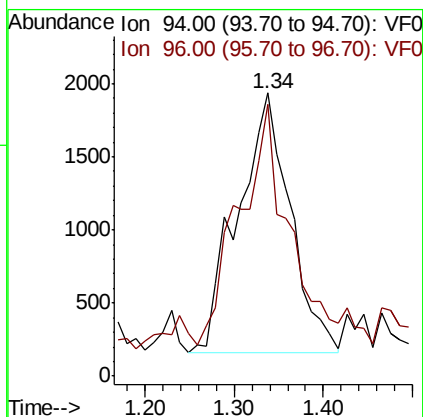
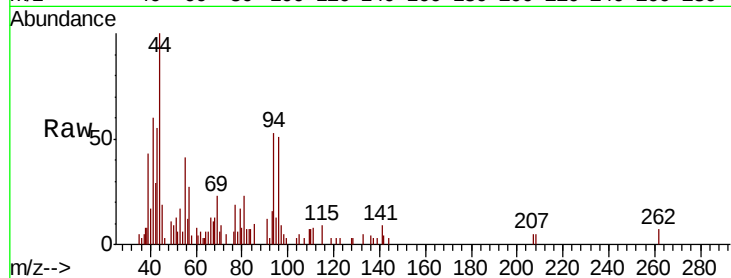
96 96.2 77.9 116.9

Manual Integrations

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#6

Chloroethane

Concen: 3.770 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.01 min

Lab File: VF060564.D

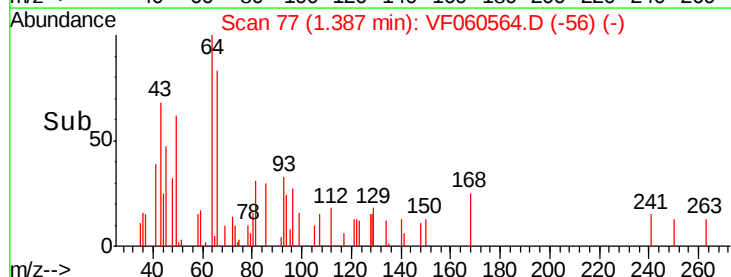
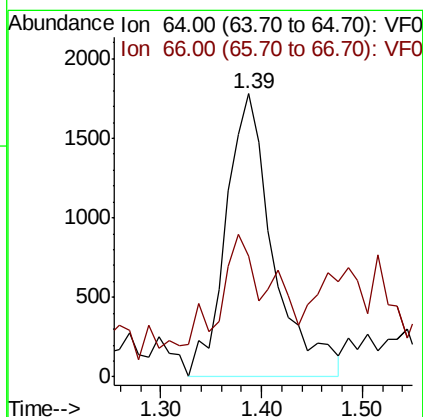
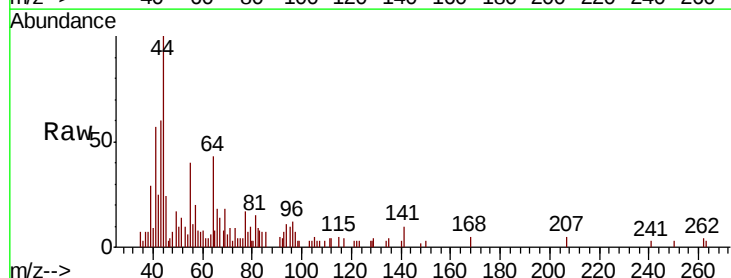
Acq: 2 Nov 2018 16:49

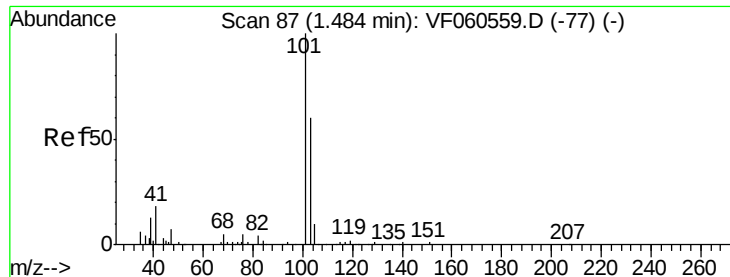
Tgt Ion: 64 Resp: 5804

Ion Ratio Lower Upper

64 100

66 42.7 27.8 41.8#





#7

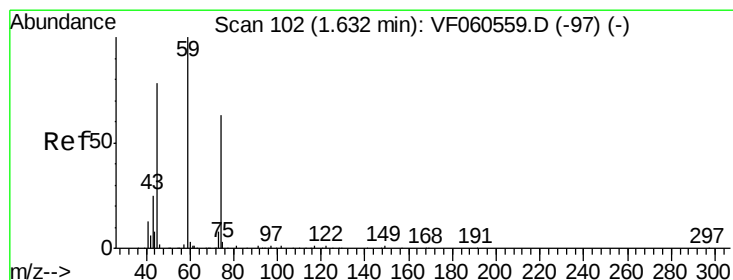
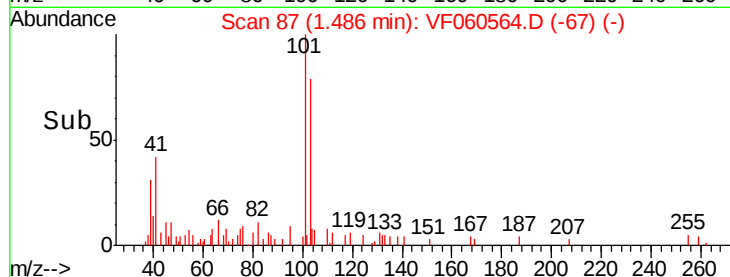
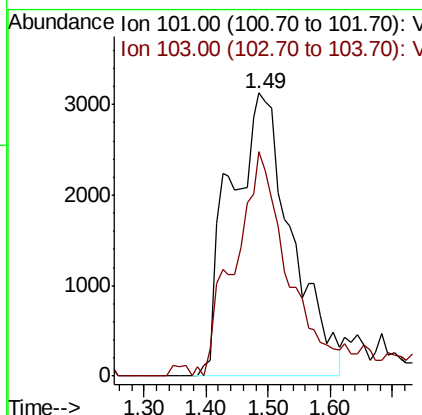
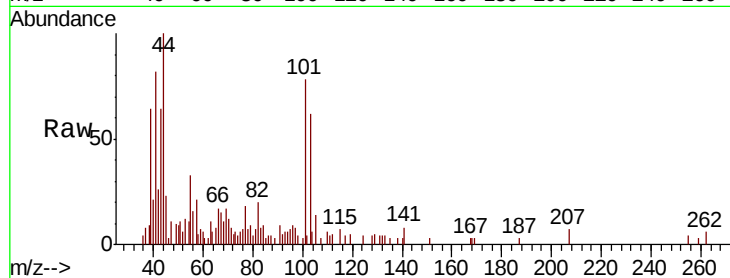
Trichlorofluoromethane
Concen: 3.047 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 21455
Ion Ratio Lower Upper
101 100
103 79.5 48.0 72.0#

Manual Integrations
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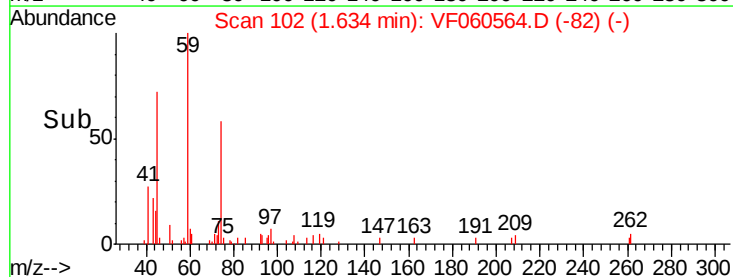
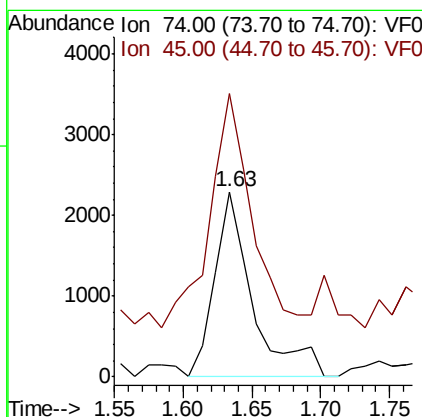
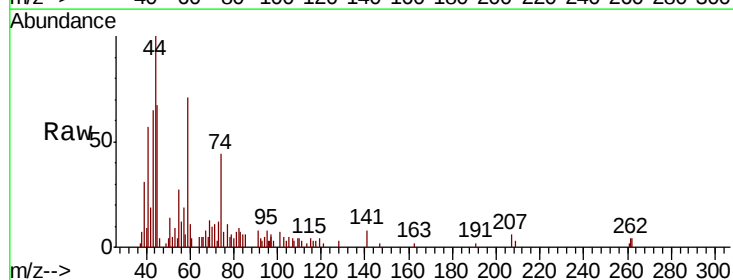
MMDadoda
11/5/2018 3:55:39 PM

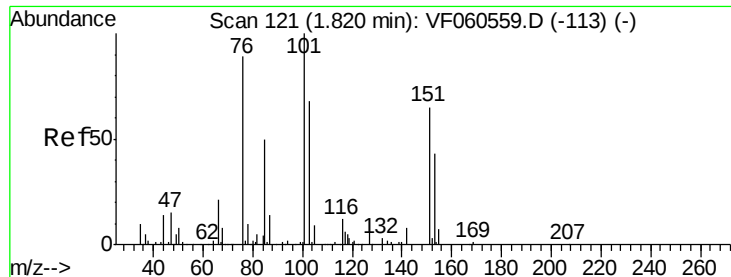


#8

Diethyl Ether
Concen: 4.777 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion: 74 Resp: 4369
Ion Ratio Lower Upper
74 100
45 153.0 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.650 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

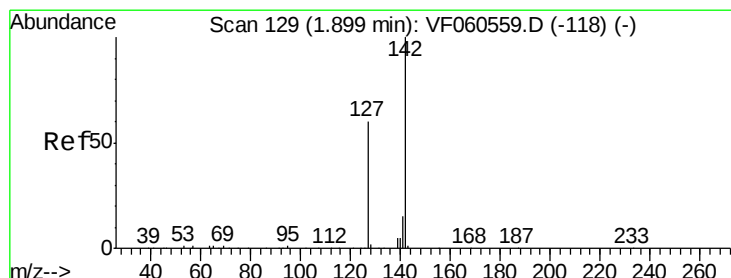
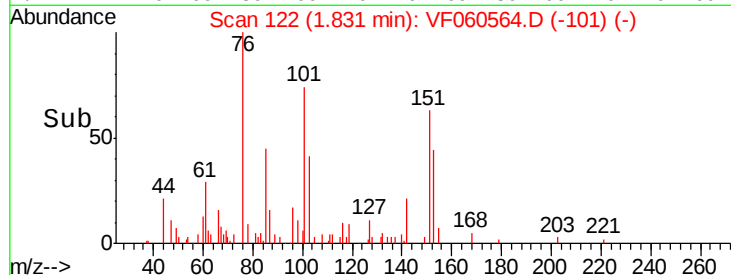
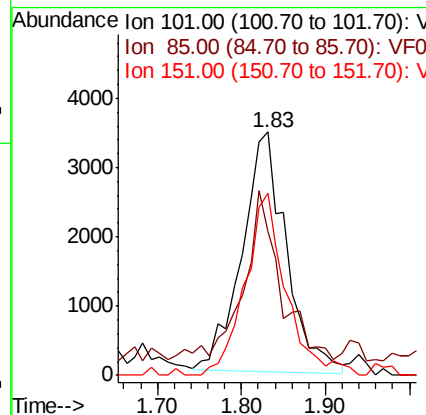
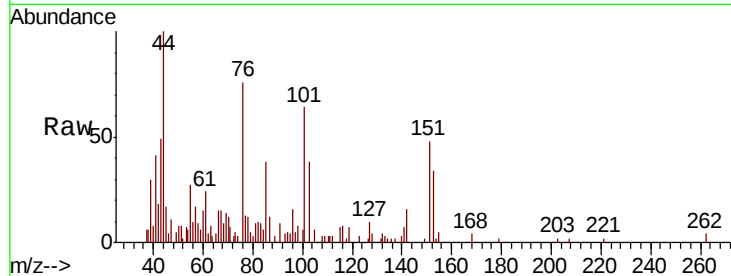
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12792
Ion Ratio	Lower	Upper	
101	100		
85	59.0	39.8	59.6
151	74.9	50.8	76.2

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#10

Methyl Iodide

Concen: 3.786 ug/l

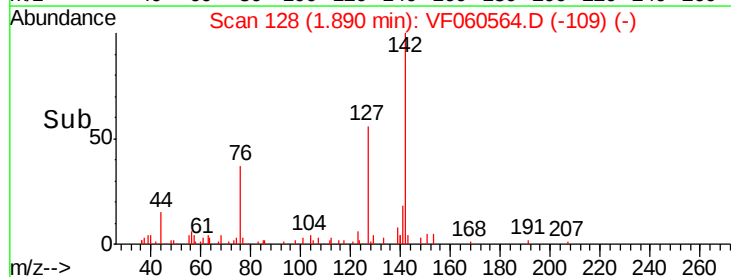
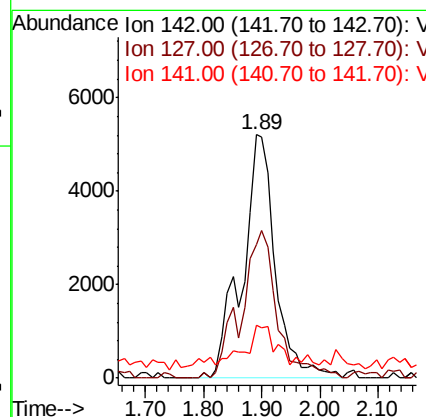
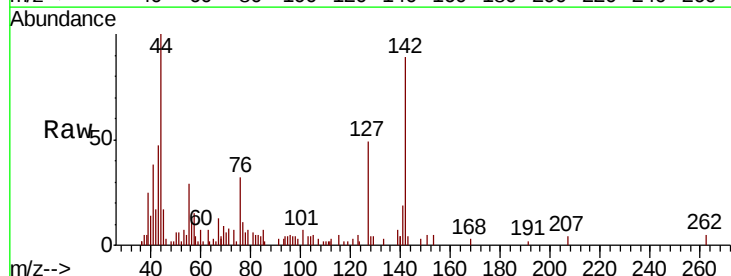
RT: 1.89 min Scan# 128

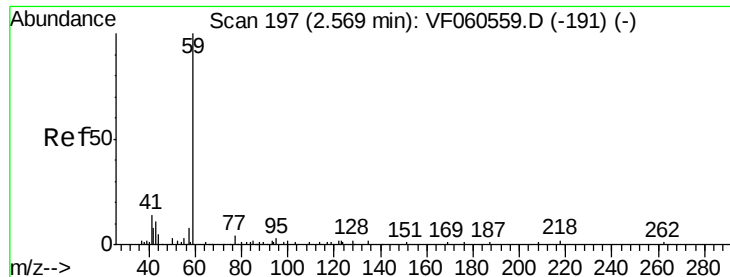
Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	142	Resp:	20704
Ion Ratio	Lower	Upper	
142	100		
127	54.7	47.8	71.6
141	21.8	12.7	19.1#





#11

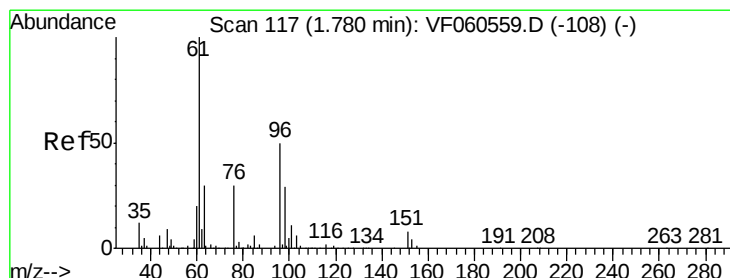
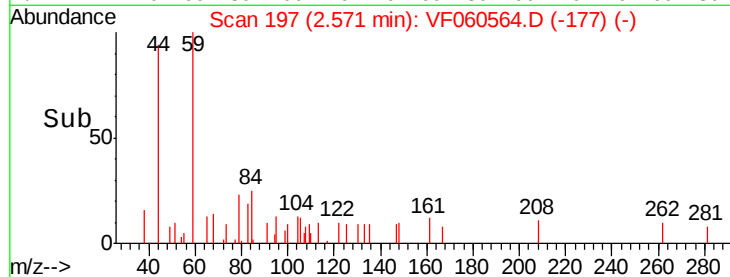
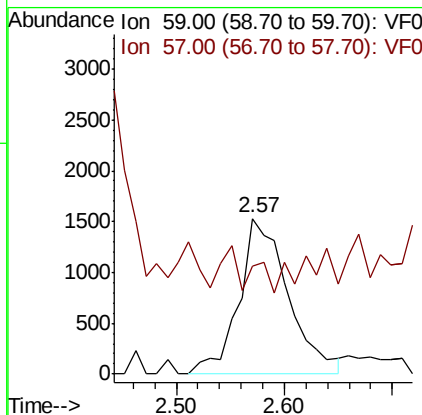
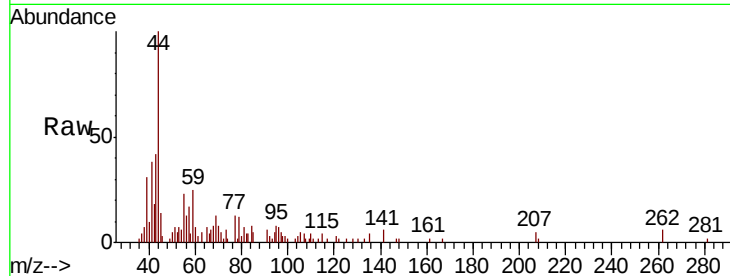
Tert butyl alcohol
Concen: 26.714 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	69.1	19.0	28.4#

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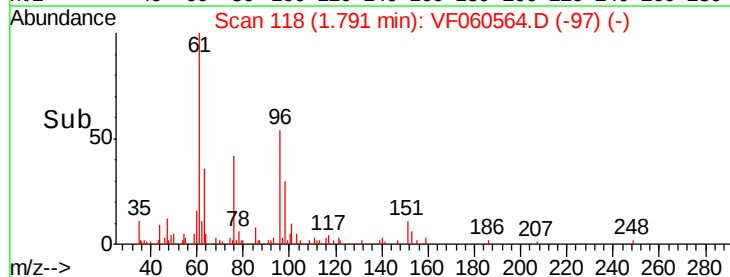
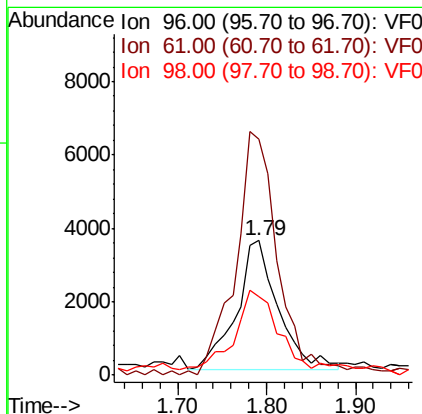
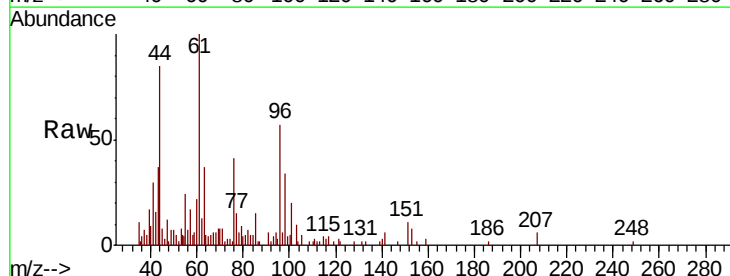
MMDadoda
11/5/2018 3:55:39 PM

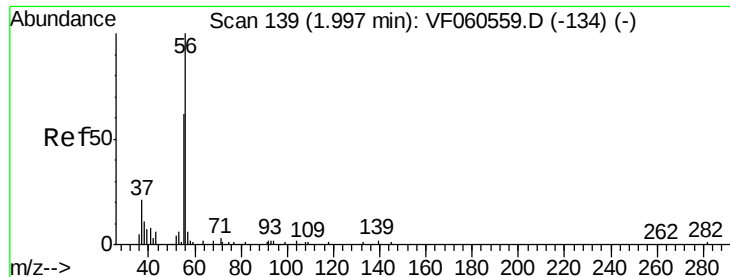


#12

1,1-Dichloroethene
Concen: 4.091 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	158.1	237.1
98	58.9	47.0	70.6





#13

Acrolein

Concen: 27.214 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4266

Ion Ratio Lower Upper

56 100

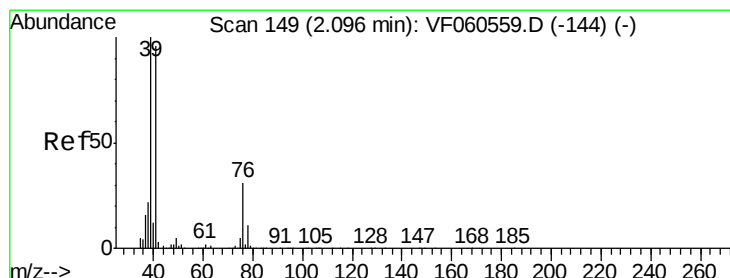
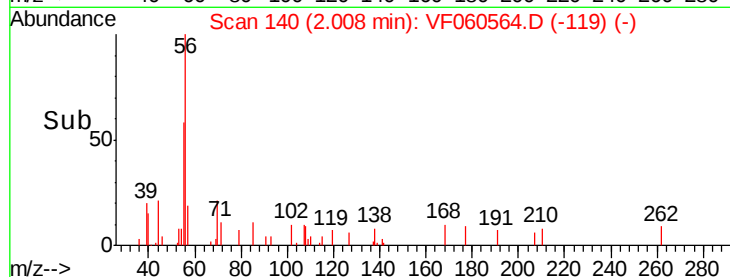
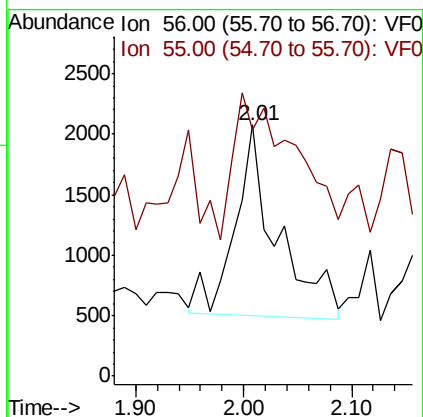
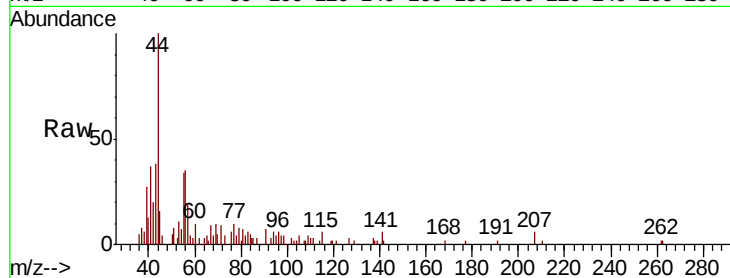
55 98.0 61.8 92.6#

Manual Integrations

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#14

Allyl chloride

Concen: 3.250 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

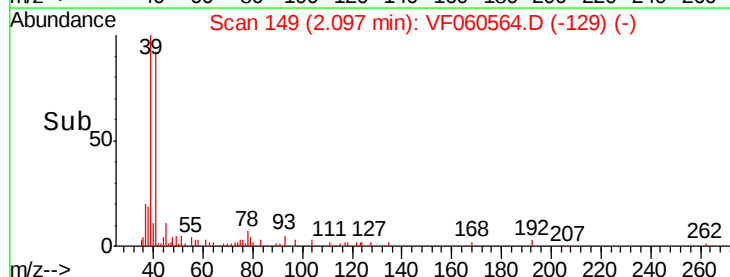
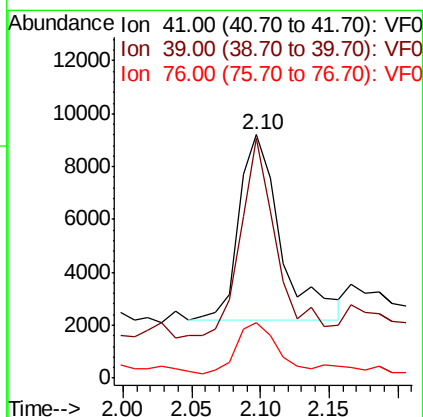
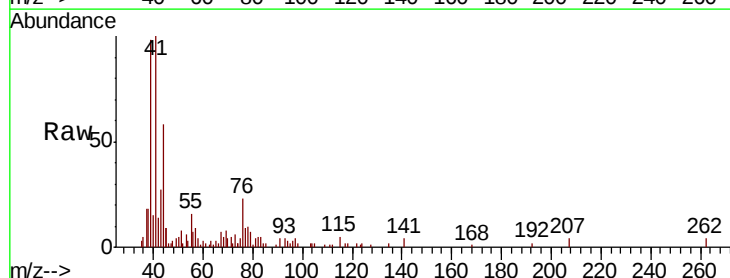
Tgt Ion: 41 Resp: 14728

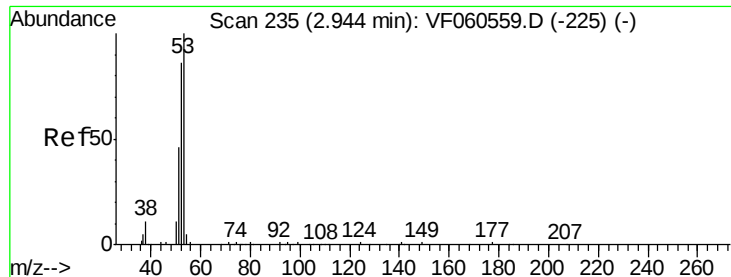
Ion Ratio Lower Upper

41 100

39 98.4 82.6 124.0

76 23.0 26.7 40.1#





#15

Acrylonitrile

Concen: 22.493 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

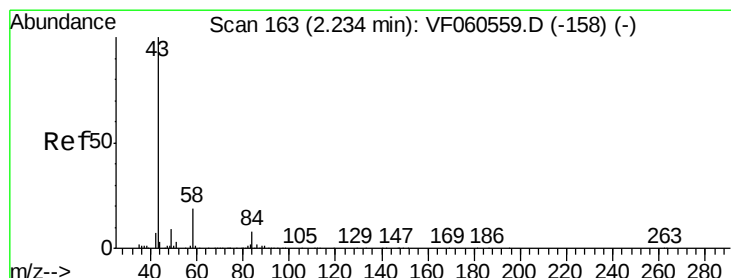
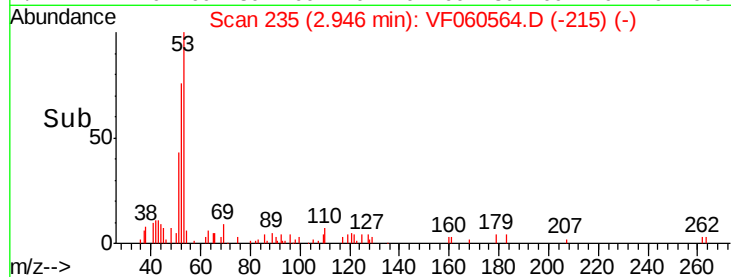
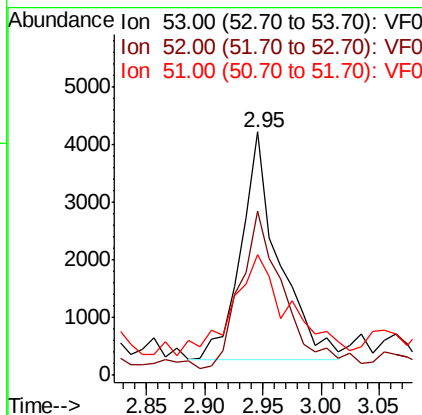
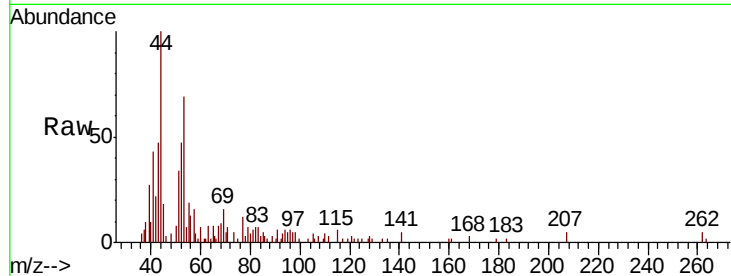
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	8830
Ion	Ratio	Lower	Upper
53	100		
52	67.6	68.5	102.7#
51	49.6	38.2	57.2

Manual Integrations
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#16

Acetone

Concen: 21.488 ug/l

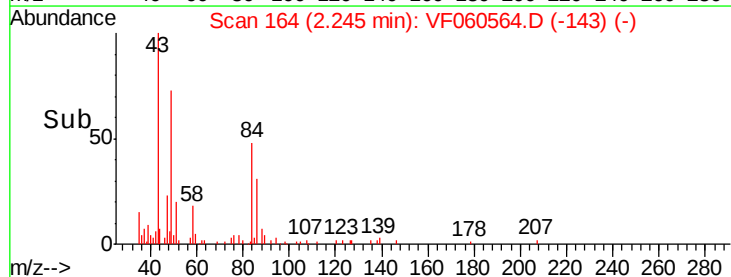
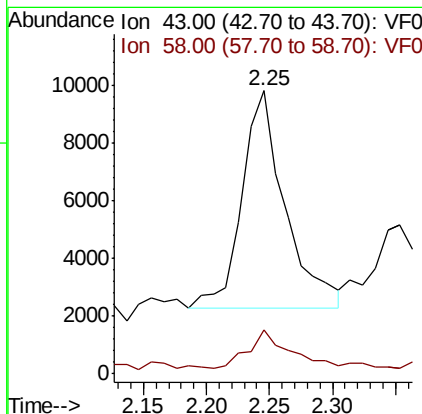
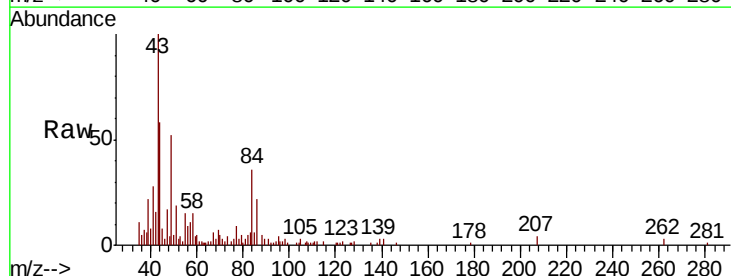
RT: 2.25 min Scan# 164

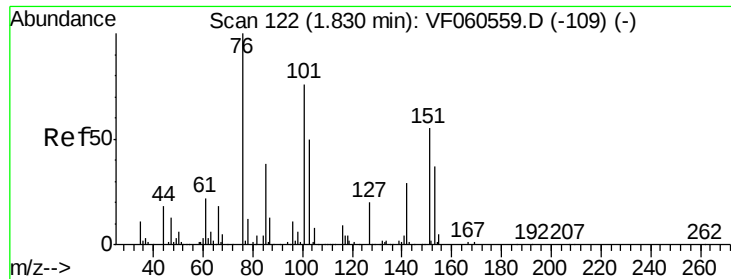
Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	43	Resp:	17824
Ion	Ratio	Lower	Upper
43	100		
58	15.4	14.6	22.0





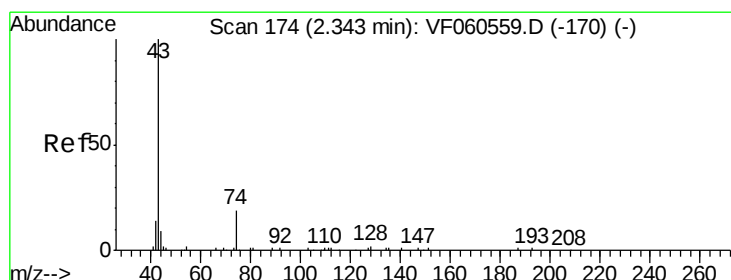
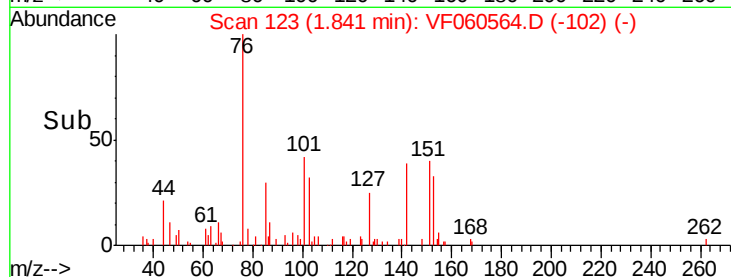
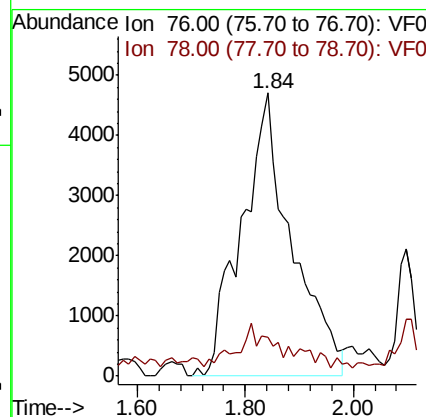
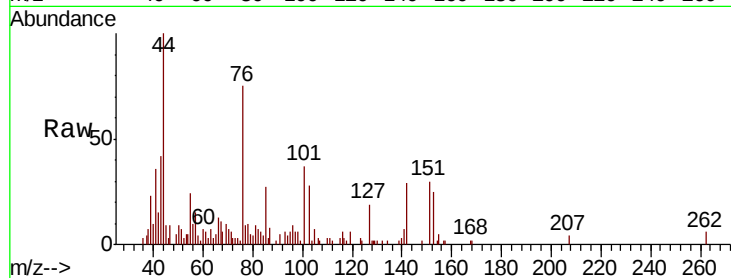
#17
Carbon Disulfide
Concen: 3.847 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 30278
Ion Ratio Lower Upper
76 100
78 13.6 9.9 14.9

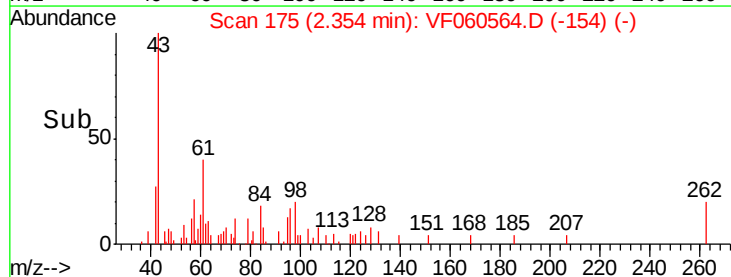
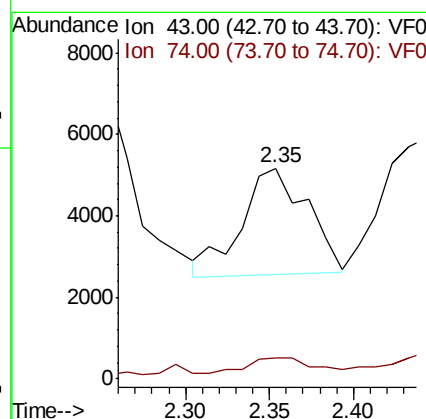
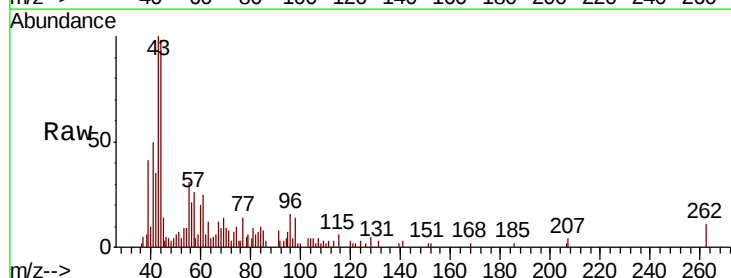
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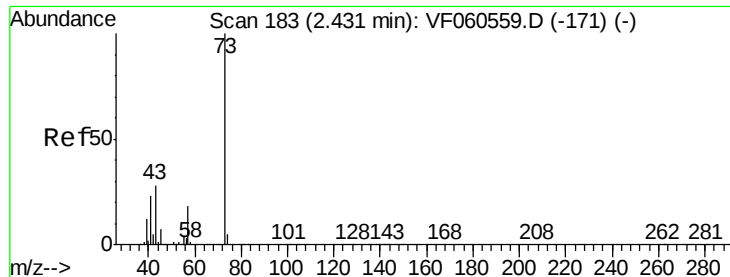
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#18
Methyl Acetate
Concen: 5.935 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion: 43 Resp: 7162
Ion Ratio Lower Upper
43 100
74 9.8 12.1 18.1#





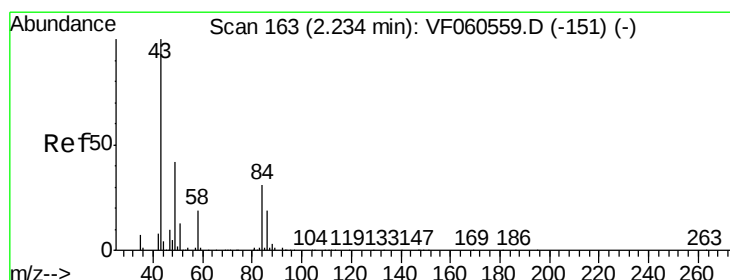
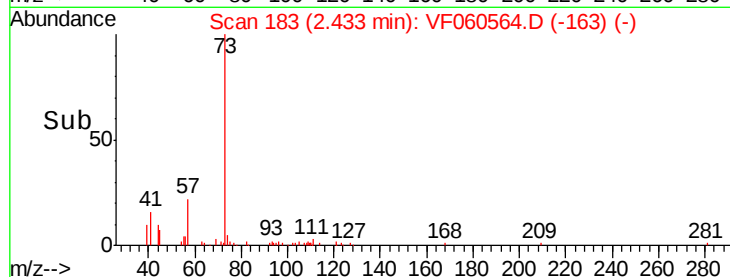
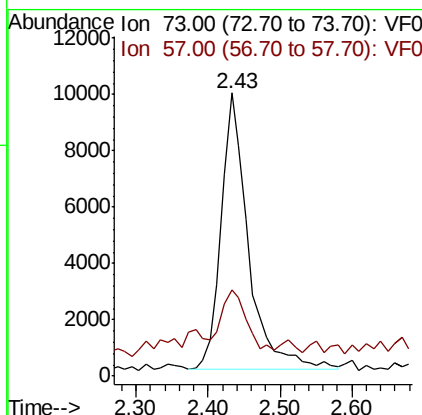
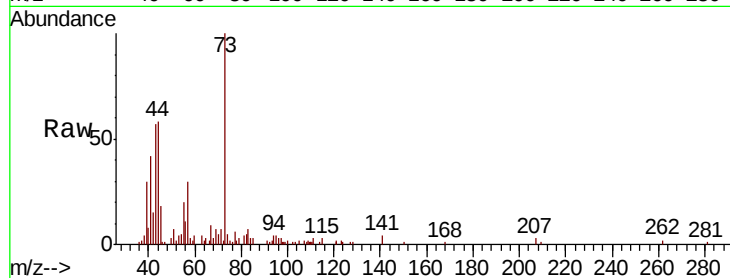
#19
Methyl tert-butyl Ether
Concen: 4.124 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 25537
Ion Ratio Lower Upper
73 100
57 30.3 15.4 23.0#

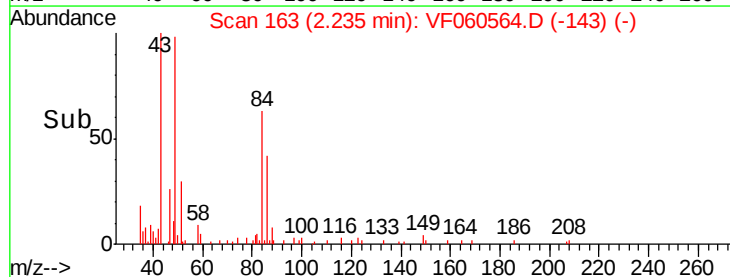
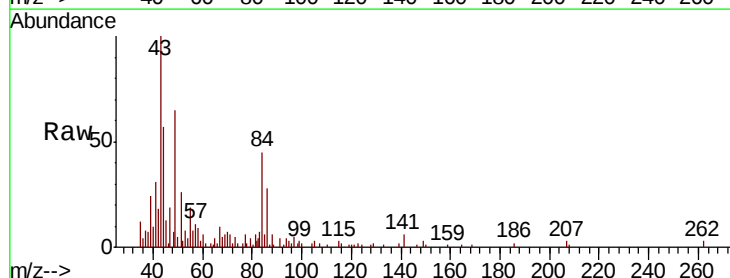
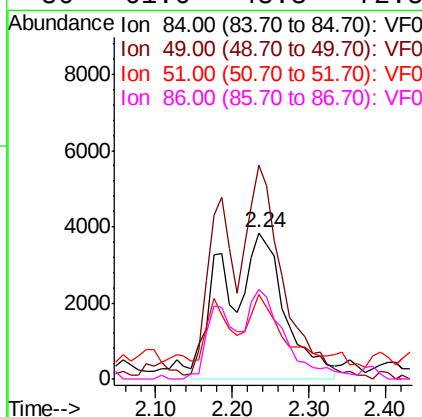
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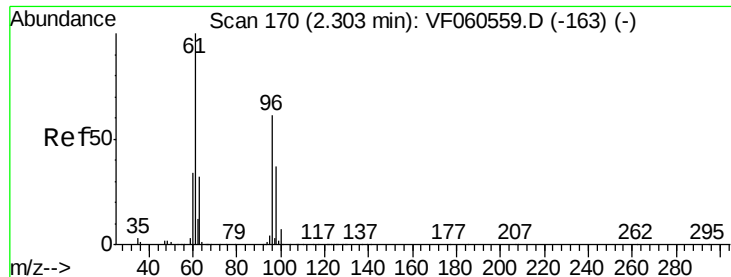
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#20
Methylene Chloride
Concen: 7.097 ug/l m
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion: 84 Resp: 20952
Ion Ratio Lower Upper
84 100
49 145.9 109.9 164.9
51 57.4 35.8 53.8#
86 61.6 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 3.678 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

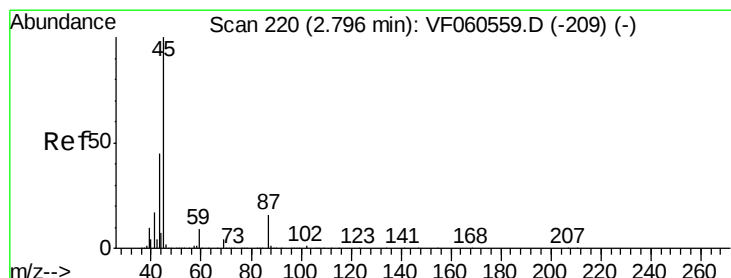
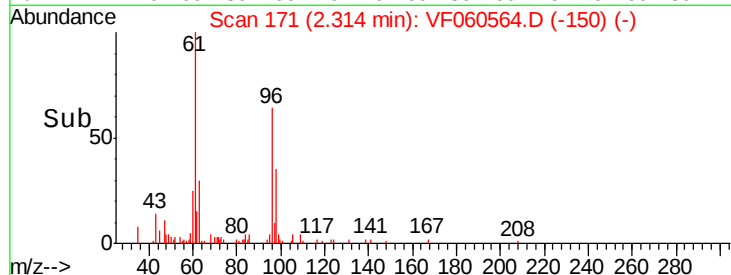
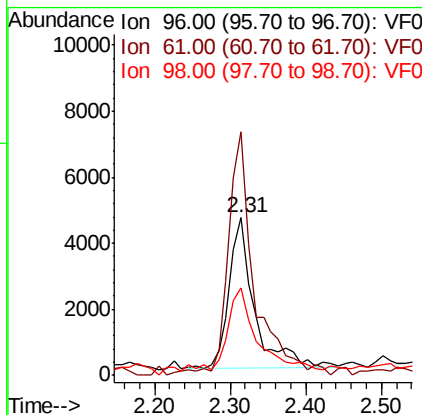
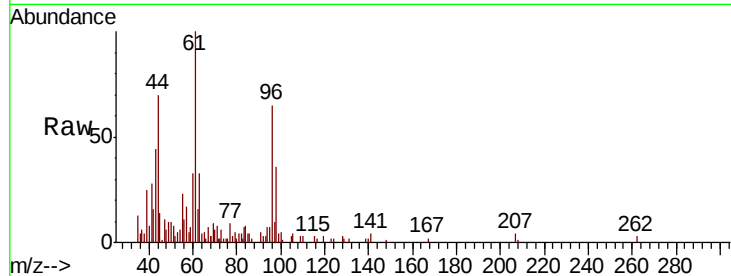
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10628
Ion	Ratio	Lower	Upper
96	100		
61	154.4	131.3	196.9
98	55.2	48.6	73.0

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#22

Diisopropyl ether

Concen: 4.554 ug/l

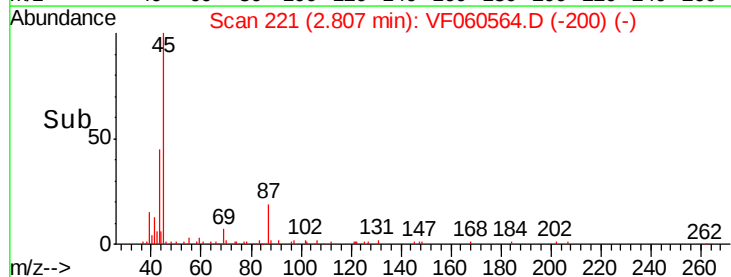
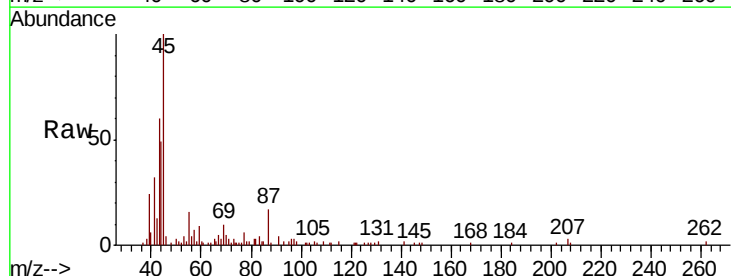
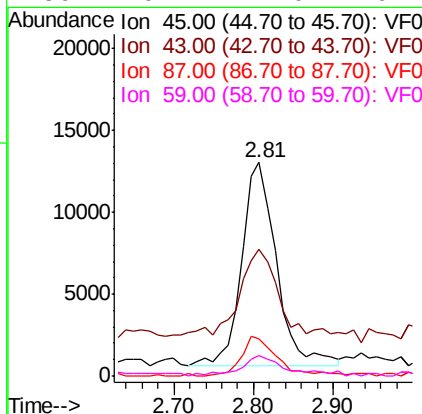
RT: 2.81 min Scan# 221

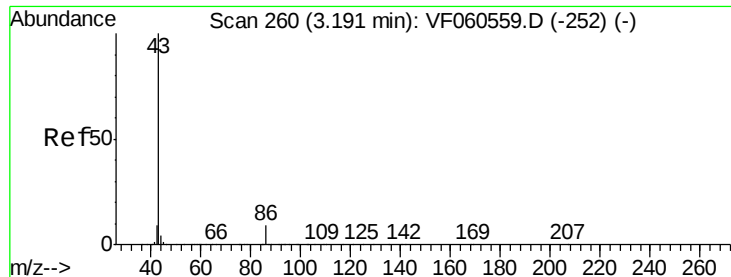
Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	45	Resp:	37388
Ion	Ratio	Lower	Upper
45	100		
43	59.6	38.1	57.1#
87	17.3	12.7	19.1
59	9.4	7.0	10.4





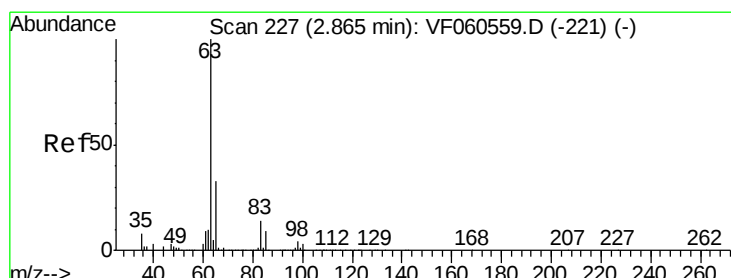
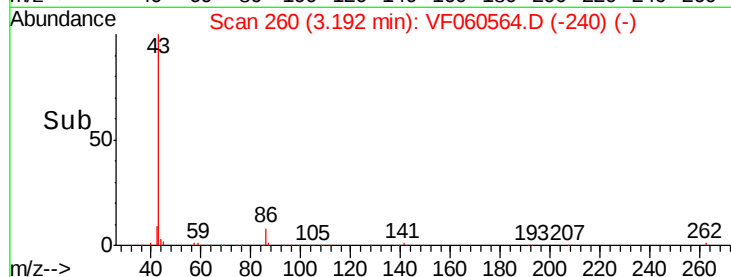
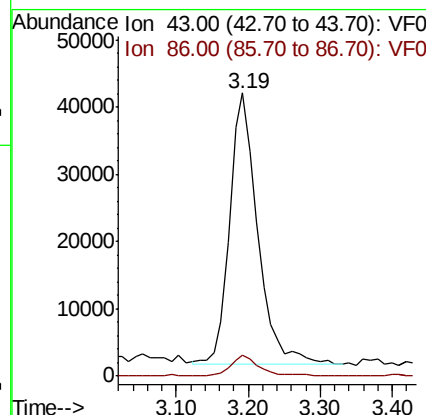
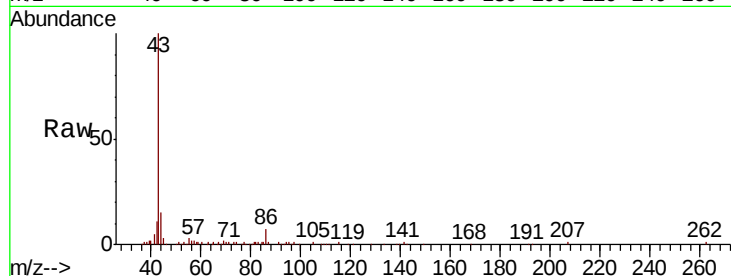
#23
 Vinyl Acetate
 Concen: 33.821 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.00 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.4	7.1	10.7

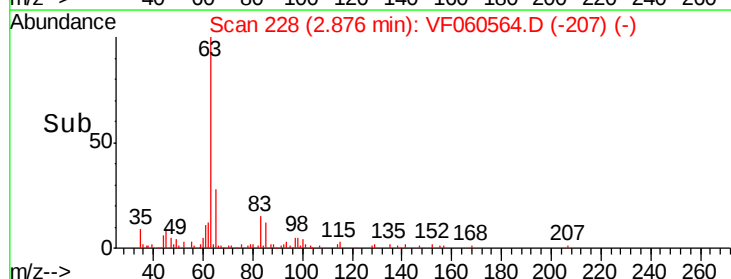
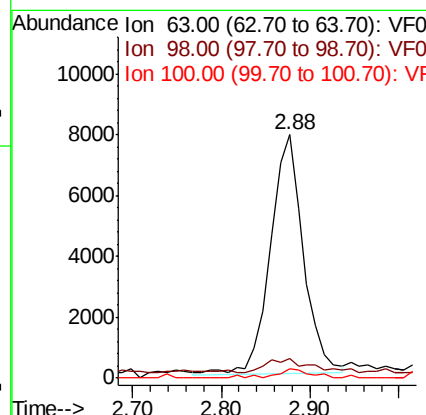
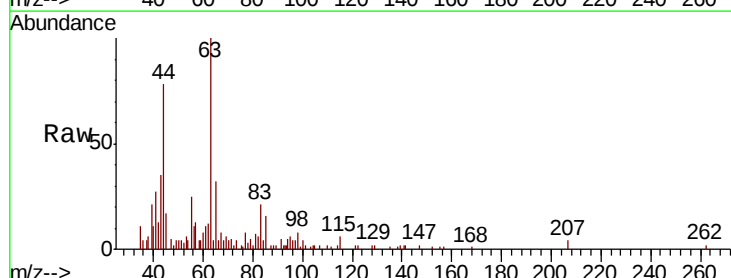
Manual Integrations
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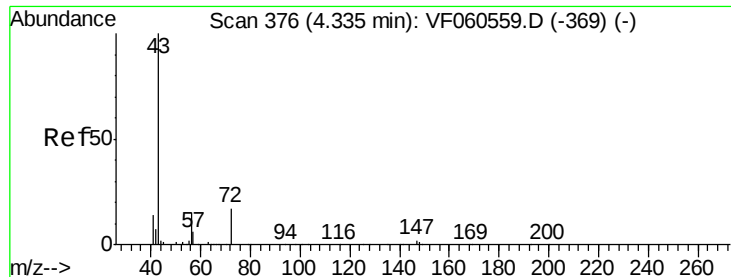
MMDadoda
 11/5/2018 3:55:39 PM



#24
 1,1-Dichloroethane
 Concen: 3.452 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.9	2.2	6.6#
100	3.9	1.4	4.0





#25

2-Butanone

Concen: 46.076 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 55713

Ion Ratio Lower Upper

43 100

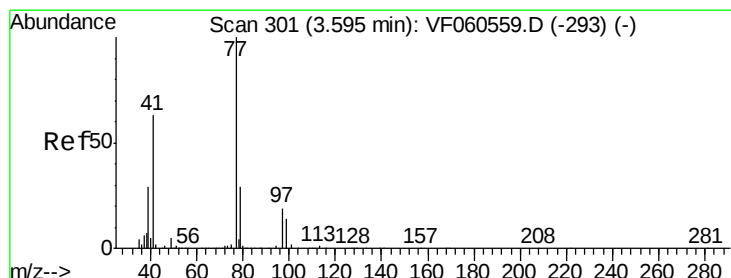
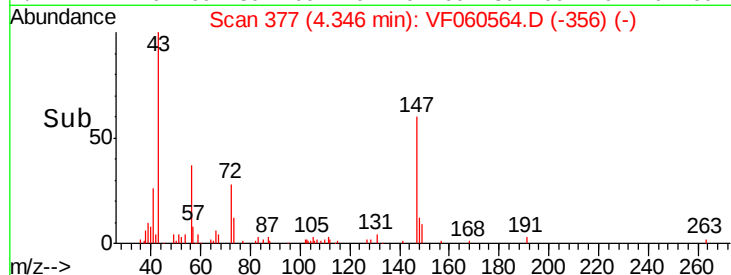
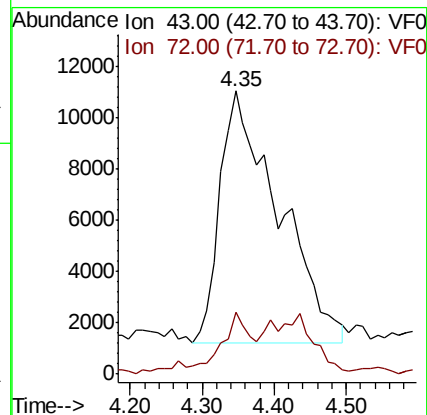
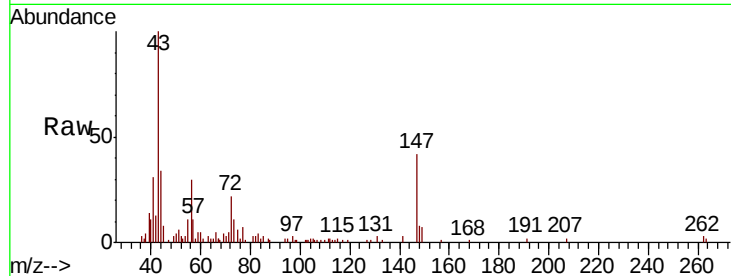
72 21.7 16.2 24.2

Manual Integrations

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11/5/2018 3:55:39 PM



#26

2,2-Dichloropropane

Concen: 4.807 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF060564.D

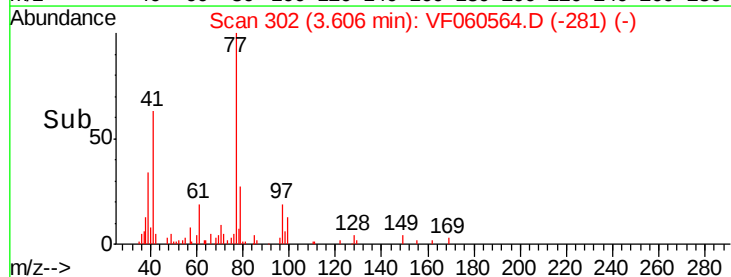
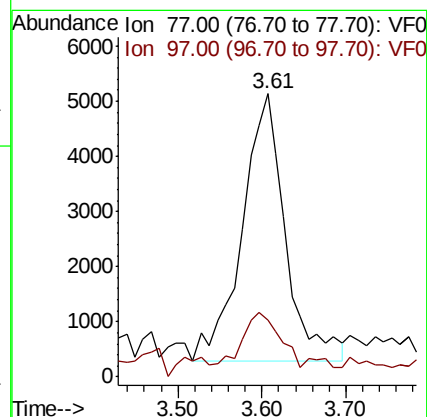
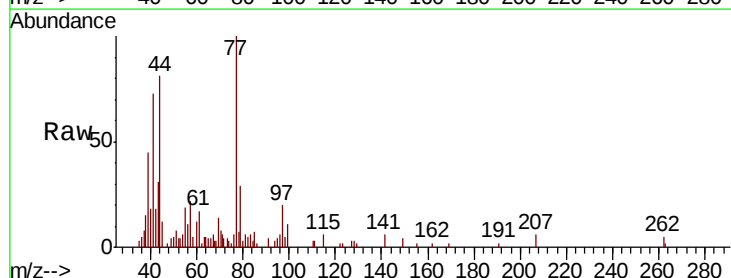
Acq: 2 Nov 2018 16:49

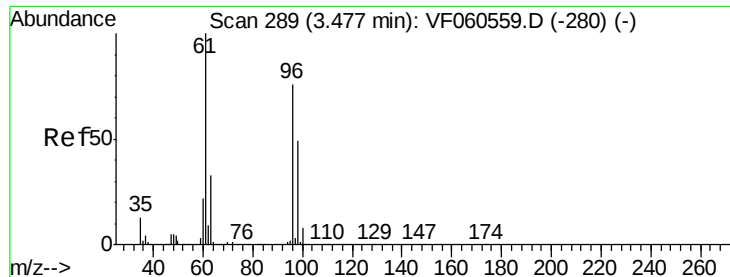
Tgt Ion: 77 Resp: 17437

Ion Ratio Lower Upper

77 100

97 20.2 9.8 29.3





#27

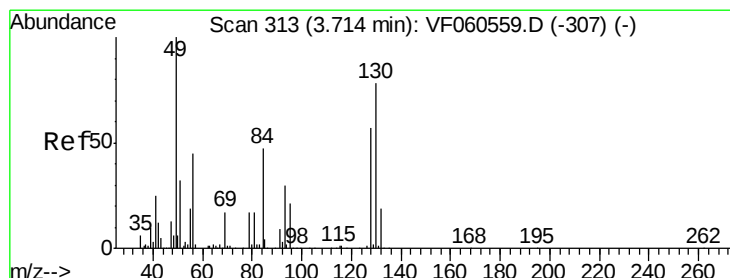
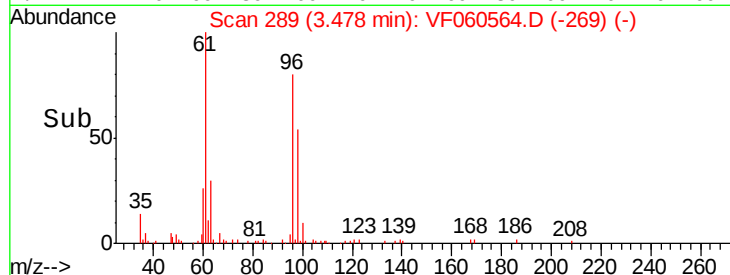
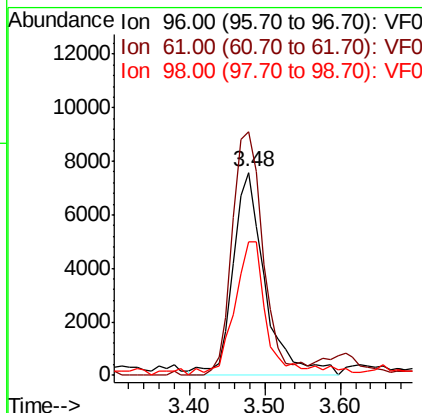
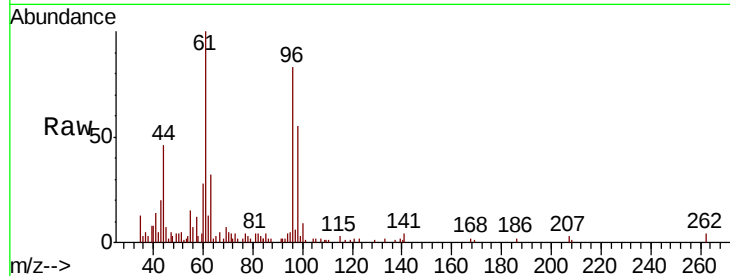
cis-1,2-Dichloroethene
Concen: 6.036 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	22018		
61	120.0		0.0	263.0
98	65.8		0.0	130.6

Manual Integrations
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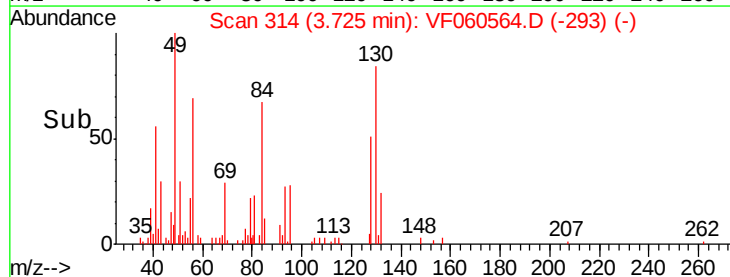
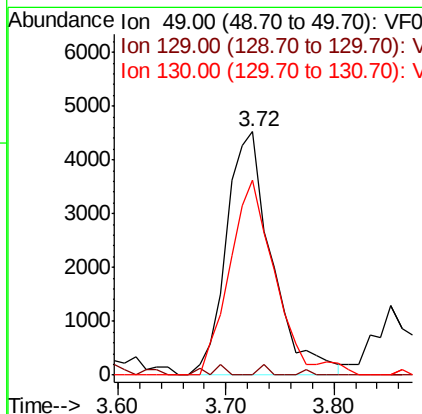
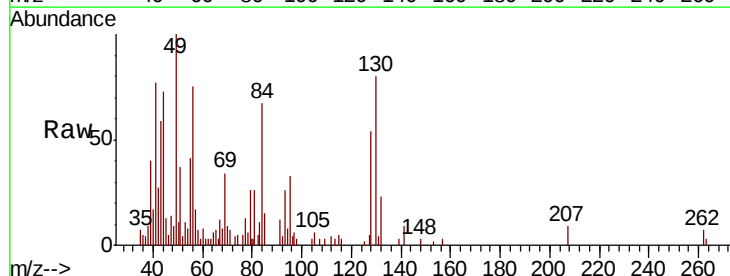
MMDadoda
11/5/2018 3:55:39 PM

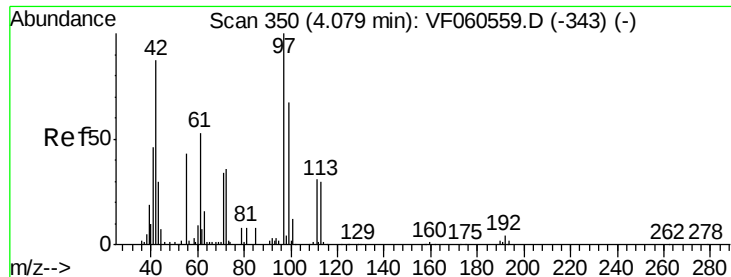


#28

Bromochloromethane
Concen: 5.911 ug/l
RT: 3.72 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13183		
129	0.0		0.0	4.6
130	79.9		61.8	92.8





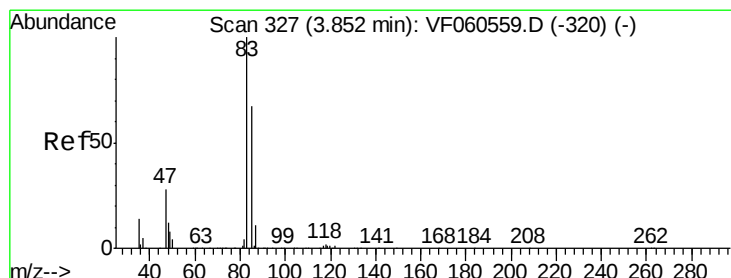
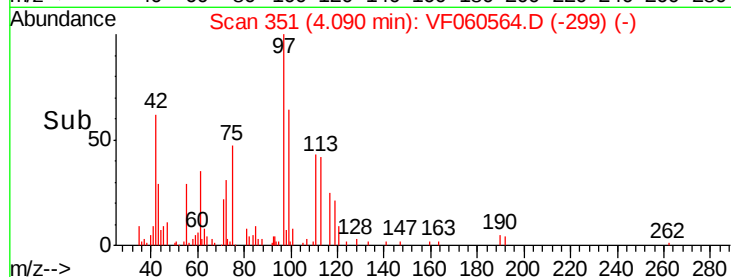
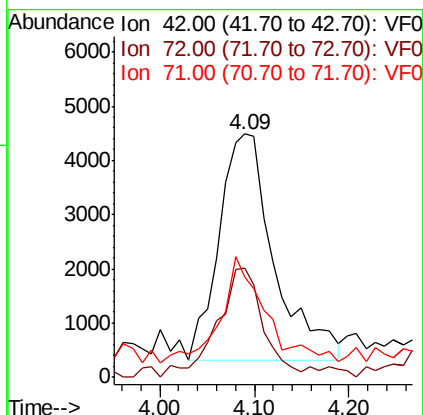
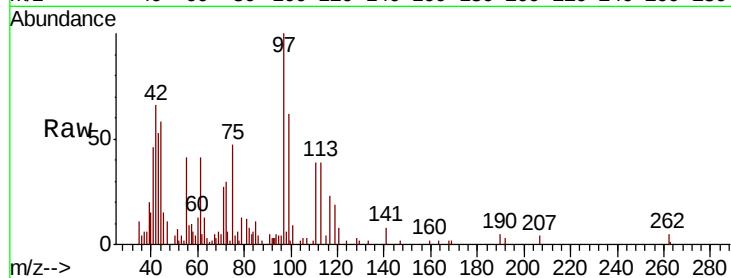
#29
Tetrahydrofuran
Concen: 45.223 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
42	100	16956		
72	40.2		31.4	47.0
71	38.8		31.8	47.6

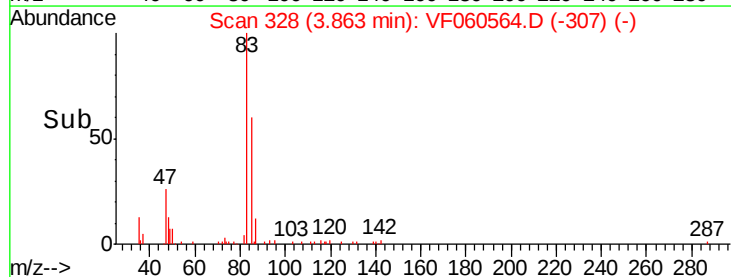
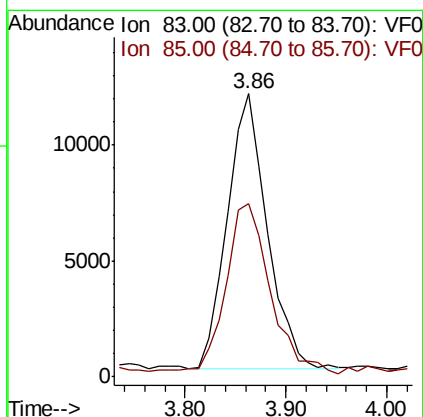
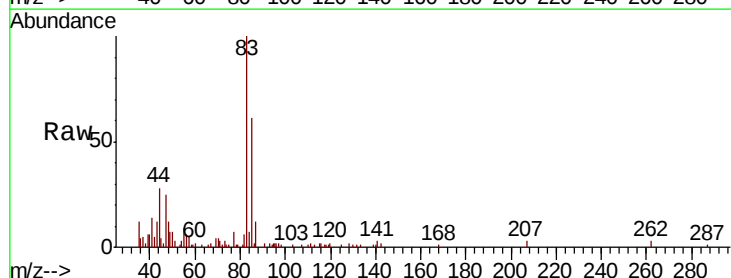
Manual Integrations
APPROVED

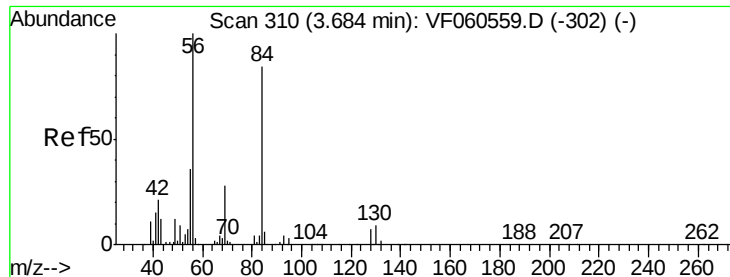
MMDadoda
11/5/2018 3:55:39 PM



#30
Chloroform
Concen: 4.348 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	32549		
85	61.2		53.7	80.5





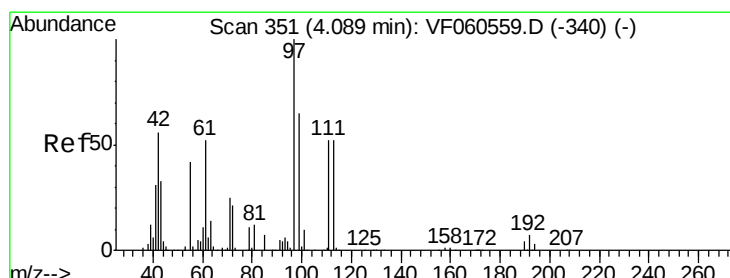
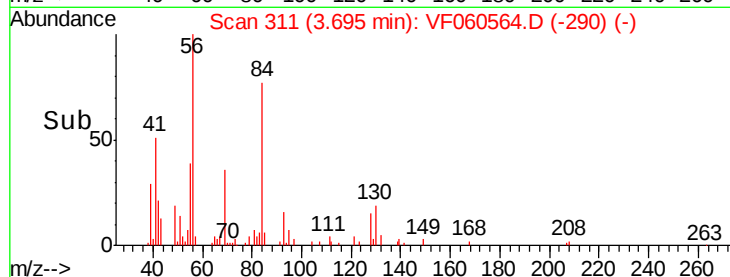
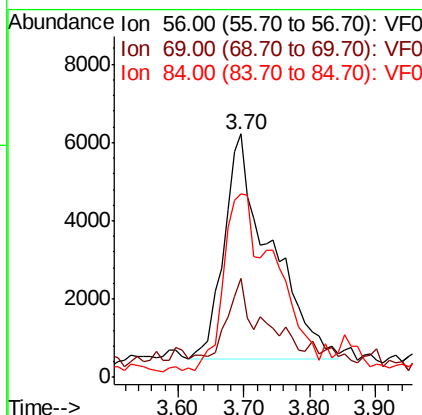
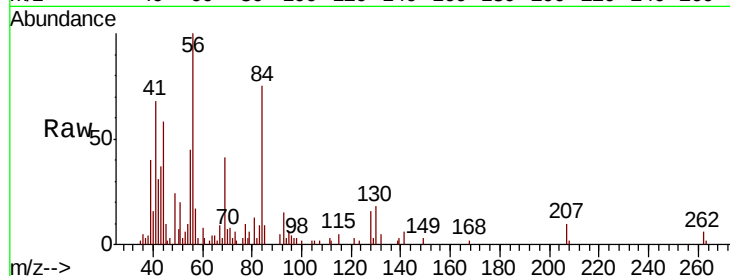
#31
Cyclohexane
Concen: 6.239 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.6	23.0	34.4#
84	75.5	67.1	100.7

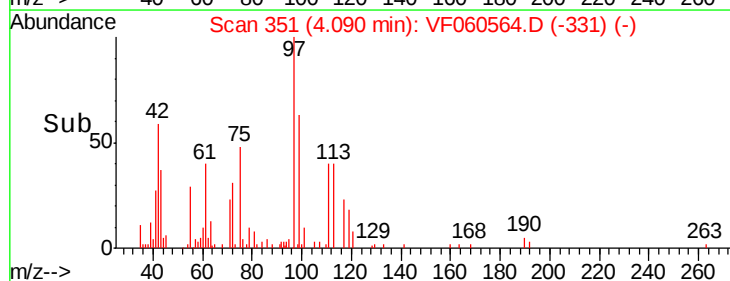
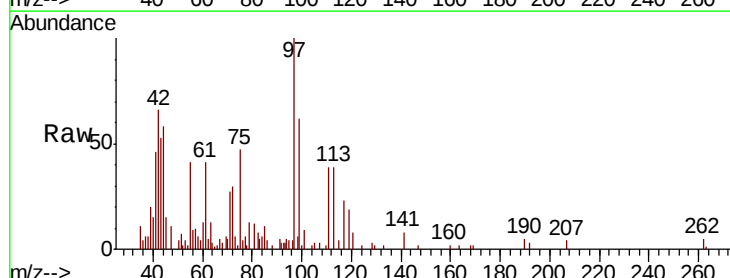
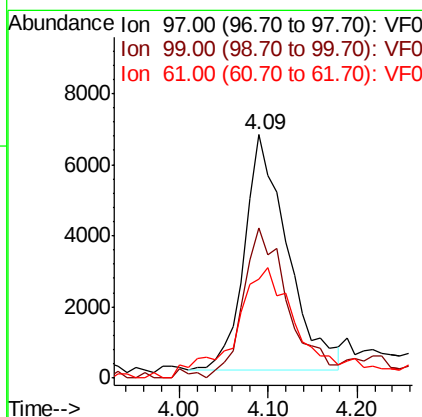
Manual Integrations
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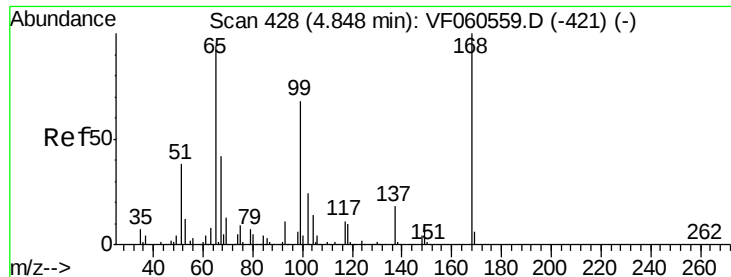
MMDadoda
11/5/2018 3:55:39 PM



#32
1,1,1-Trichloroethane
Concen: 3.683 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.4	78.6
61	40.6	41.5	62.3#





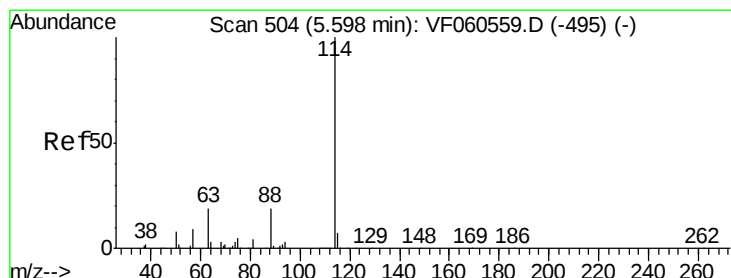
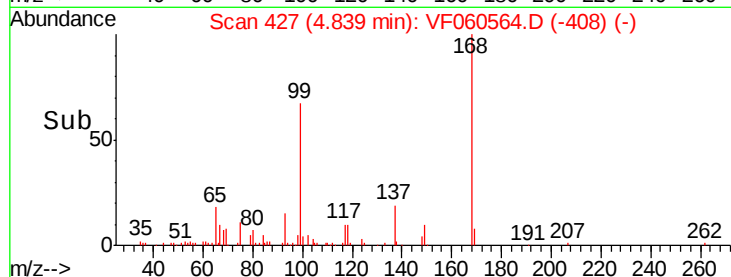
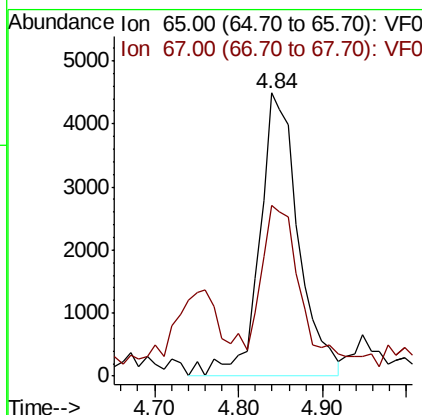
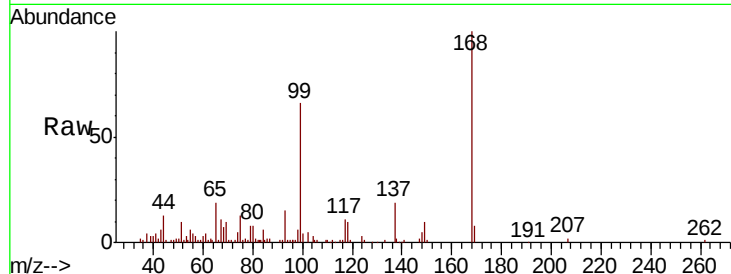
#33
 1,2-Dichloroethane-d4
 Concen: 3.823 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	60.3	0.0	101.8

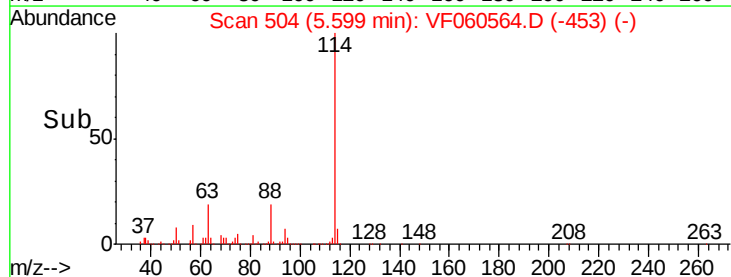
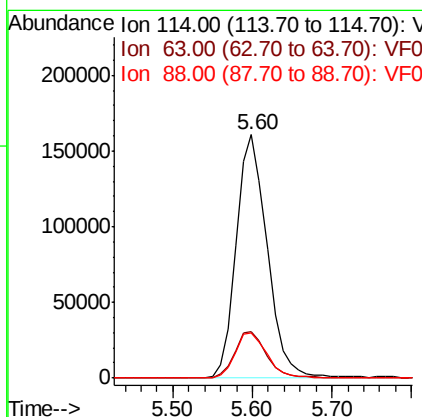
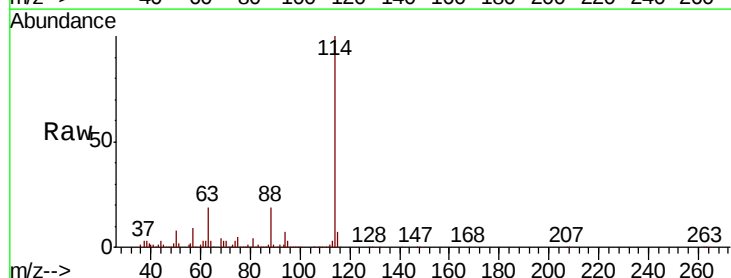
Manual Integrations
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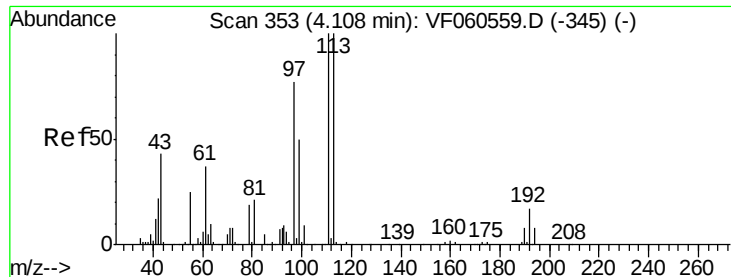
MMDadoda
 11/5/2018 3:55:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.0
88	18.5	0.0	38.2





#35

Dibromofluoromethane

Concen: 4.403 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

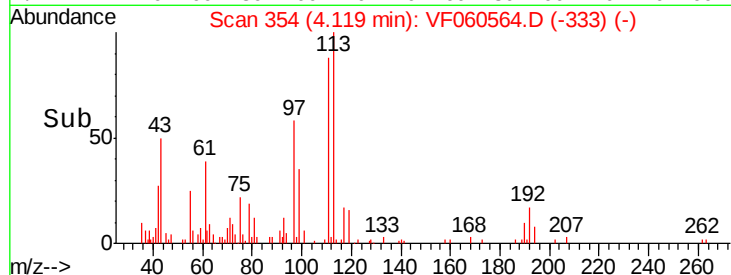
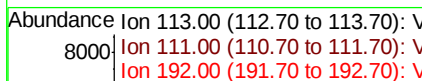
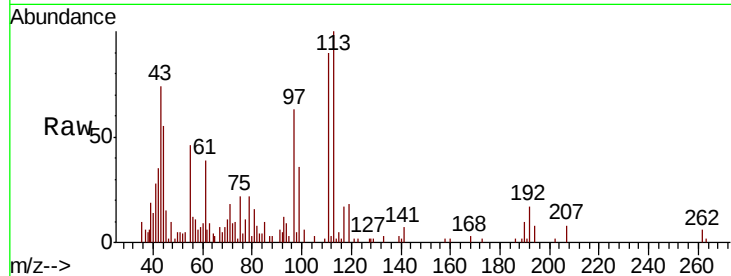
ClientSampleId :

VSTDIC005

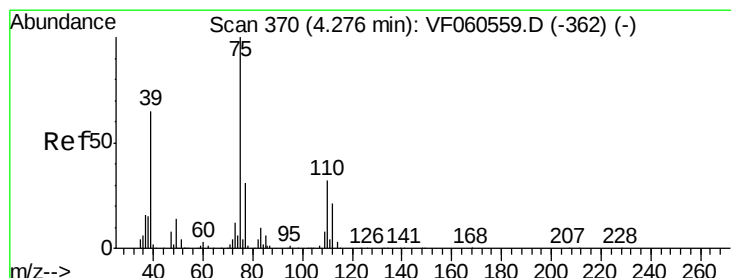
Tot Ion:	113	Resp:	17998
Ion	Ratio	Lower	Upper
113	100		
111	90.2	79.9	119.9
192	16.7	13.3	19.9

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:39 PM



Time-->



#36

1,1-Dichloropropene

Concen: 4.896 ug/l

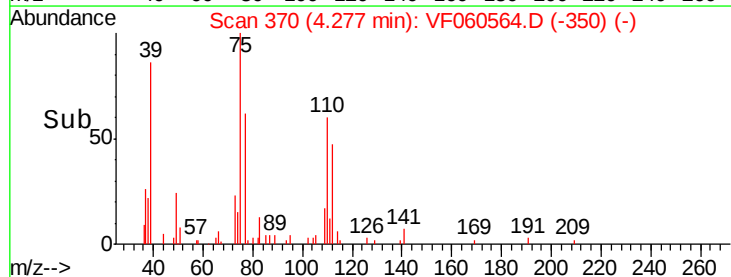
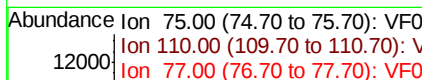
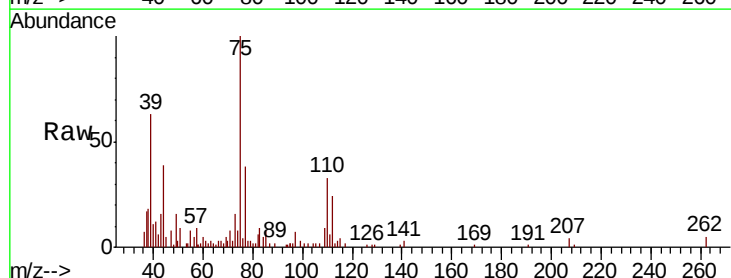
RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

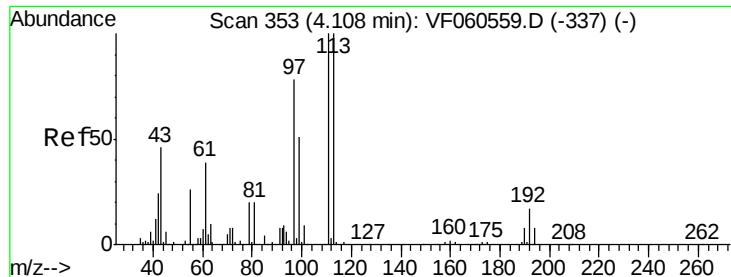
Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	75	Resp:	26127
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.2	48.6
77	38.4	25.0	37.6#



Time-->



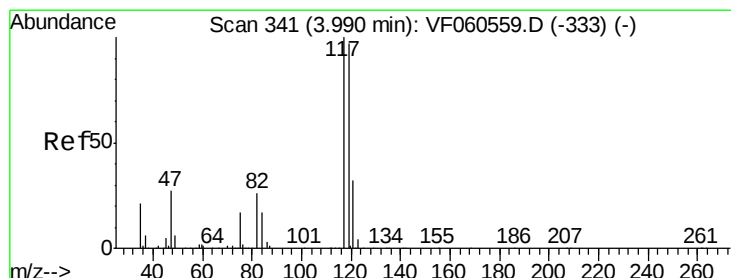
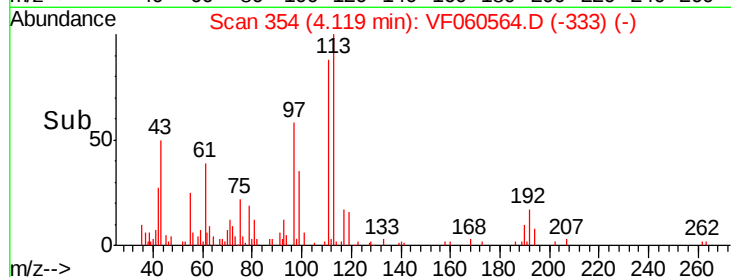
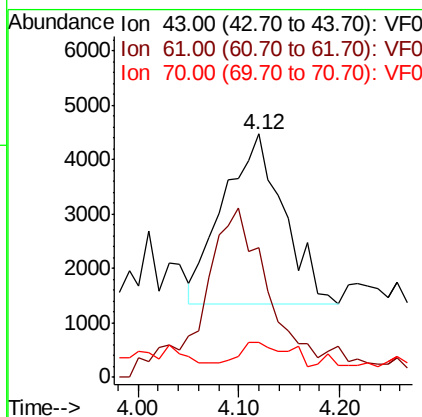
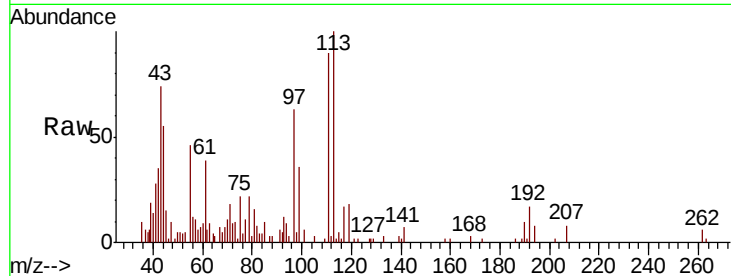
#37
Ethyl Acetate
Concen: 7.150 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper
13030	100	53.3	14.2			
		63.4	9.3			

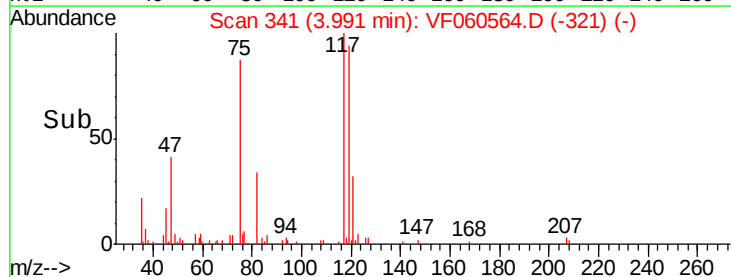
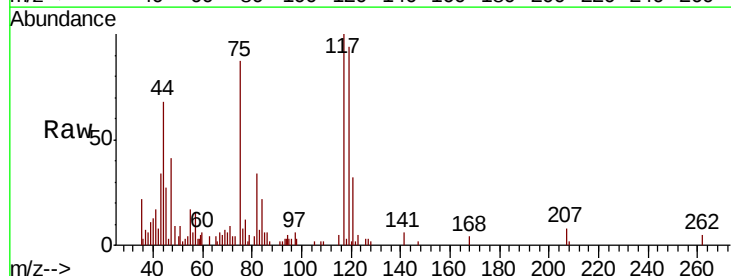
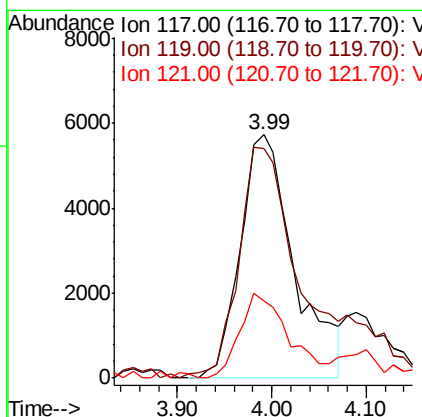
Manual Integrations
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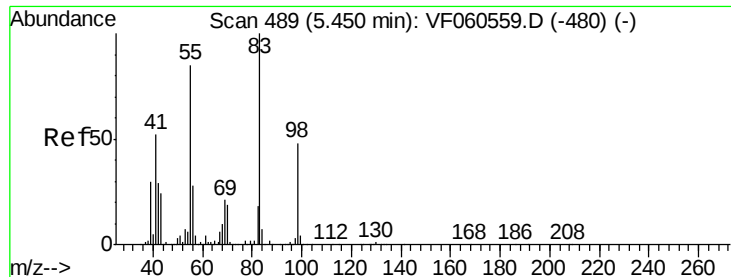
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#38
Carbon Tetrachloride
Concen: 3.736 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	117	119	121	Ratio	Lower	Upper
22778	100	94.5	32.0			
		77.8	25.6			





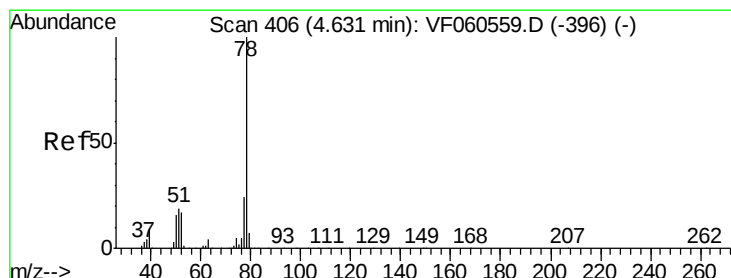
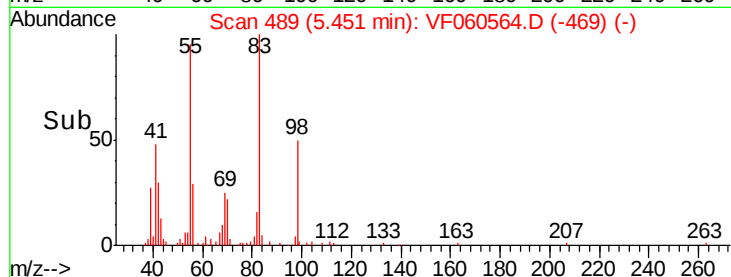
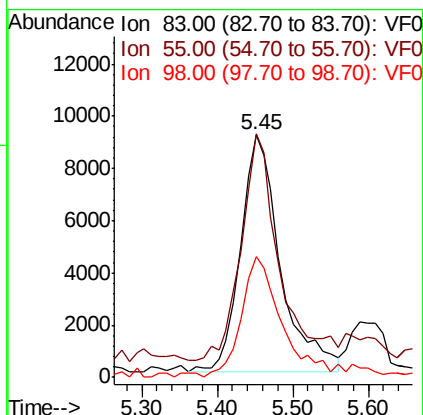
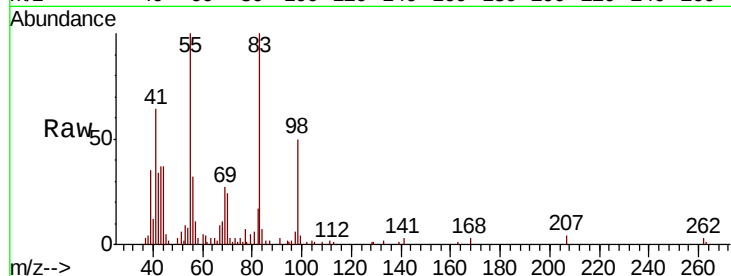
#39
Methvlcvclohexane
Concen: 5.956 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.3	69.1	103.7
98	49.8	38.6	57.8

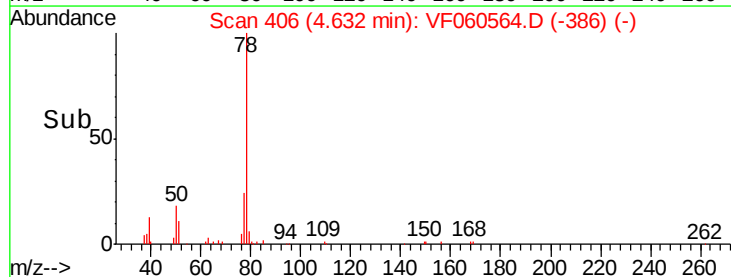
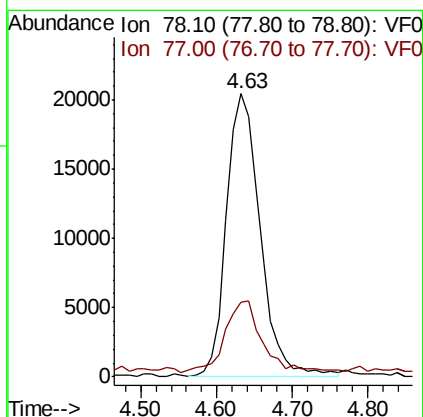
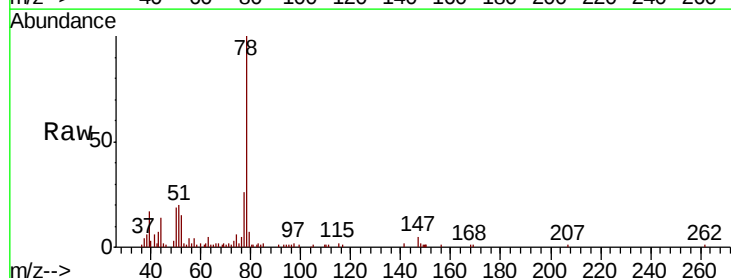
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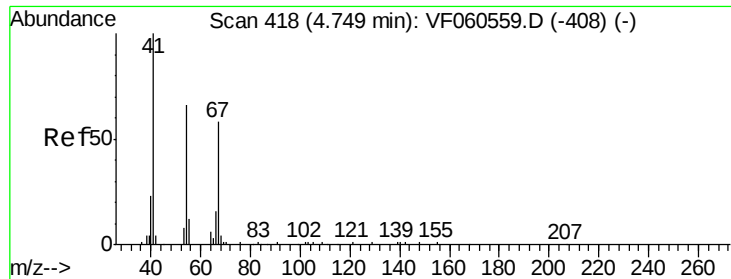
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#40
Benzene
Concen: 5.818 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.3	28.9





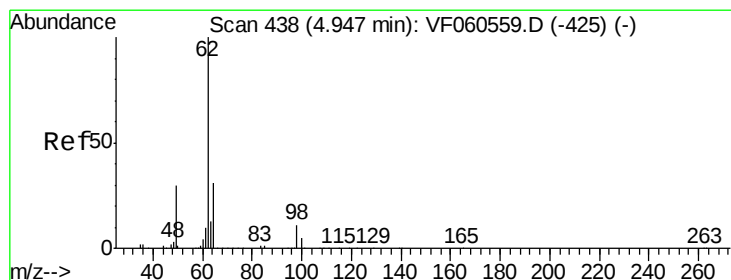
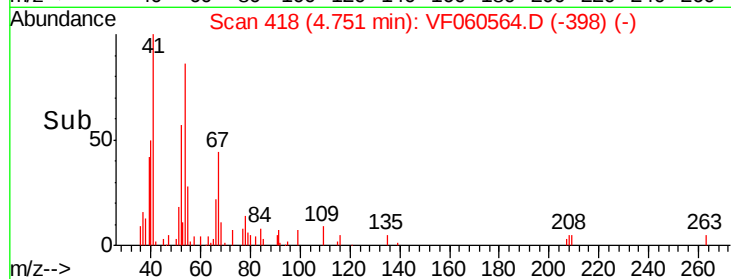
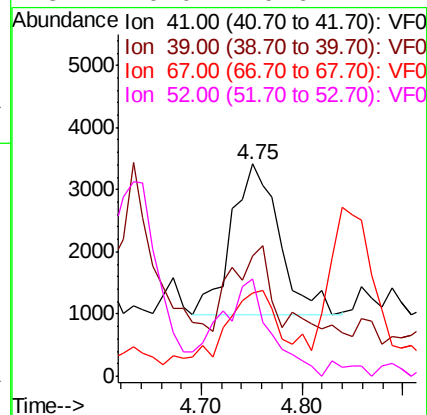
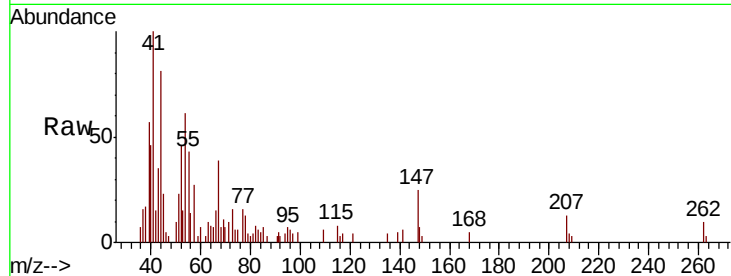
#41
Methacrylonitrile
Concen: 7.660 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
7994	41	100		
	39	56.8	45.6	68.4
	67	39.2	45.3	67.9#
	52	46.0	29.6	44.4#

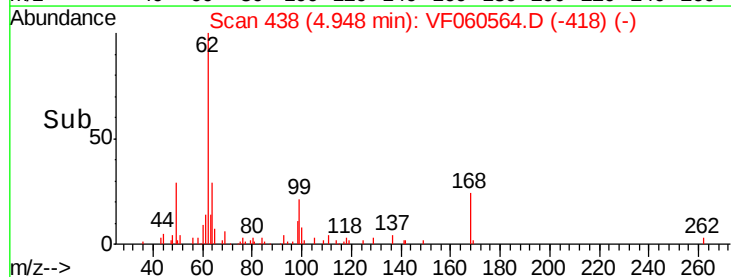
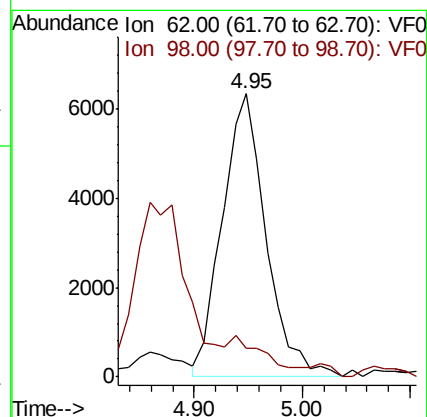
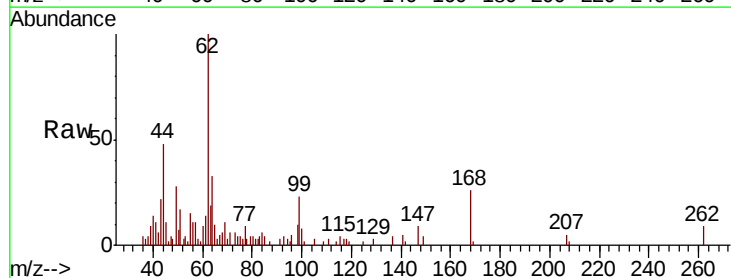
Manual Integrations
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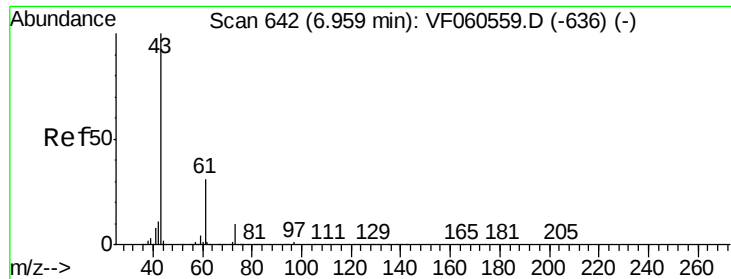
MMDadoda
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#42
1,2-Dichloroethane
Concen: 3.790 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ion	Ratio	Lower	Upper
17823	62	100		
	98	10.3	0.0	22.4





#43

Isopropyl Acetate

Concen: 7.826 ug/l

RT: 6.96 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

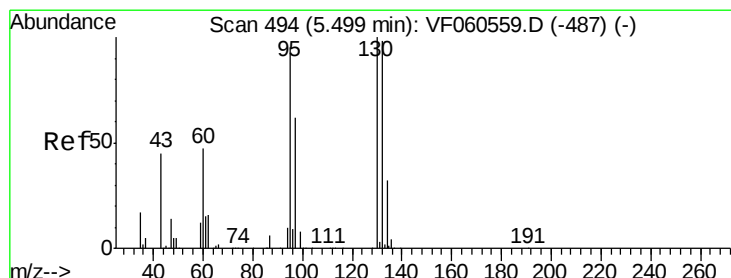
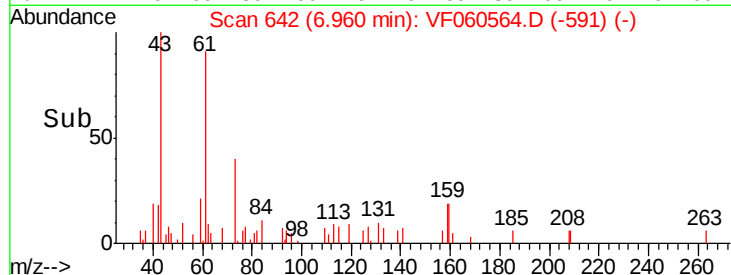
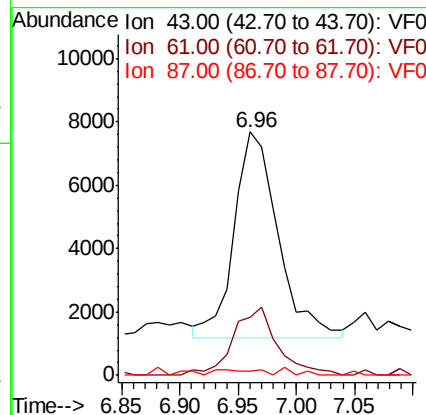
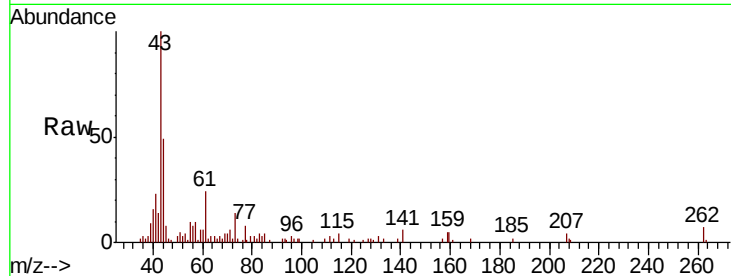
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17014
Ion	Ratio	Lower	Upper
43	100		
61	24.0	24.2	36.2#
87	1.5	0.2	0.4#

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#44

Trichloroethene

Concen: 5.594 ug/l

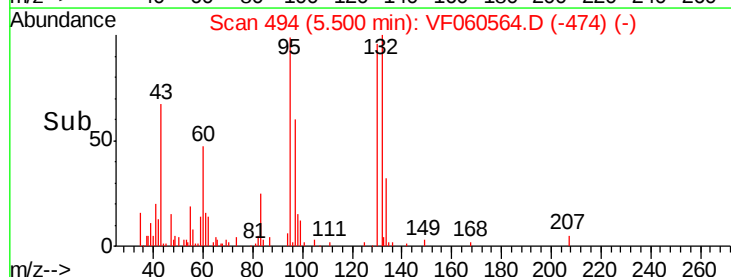
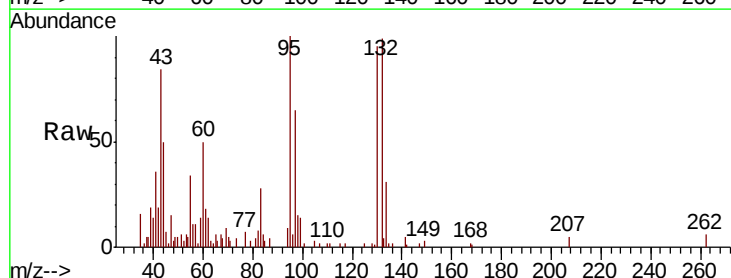
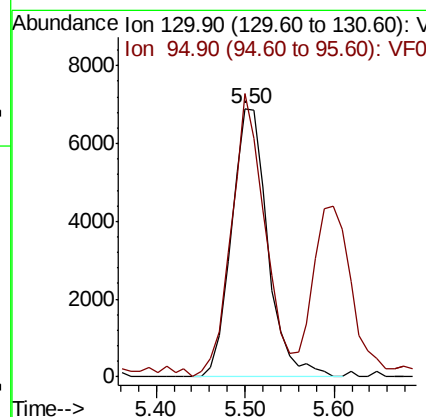
RT: 5.50 min Scan# 494

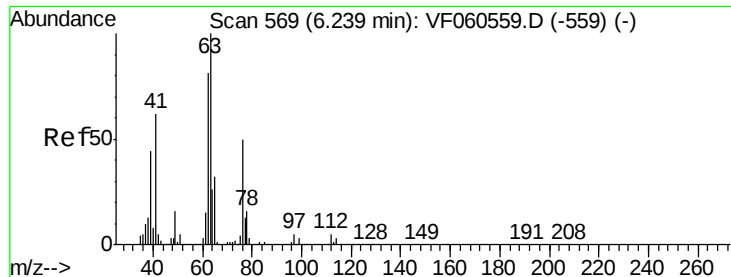
Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	130	Resp:	19612
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	191.0





#45

1,2-Dichloropropane

Concen: 6.279 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 17108

Ion Ratio Lower Upper

63 100

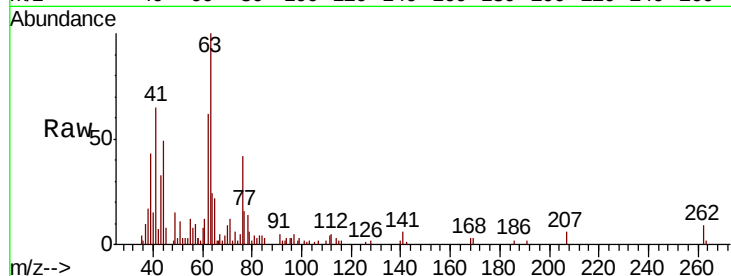
65 22.3 25.4 38.0#

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

8000

6000

4000

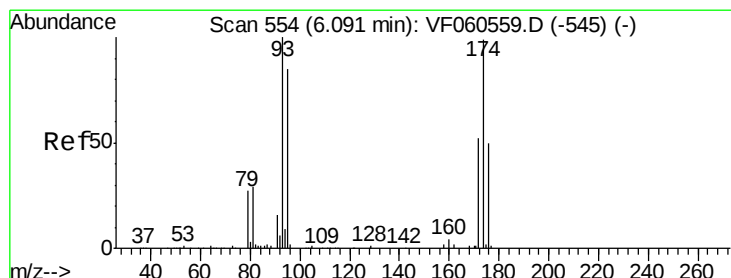
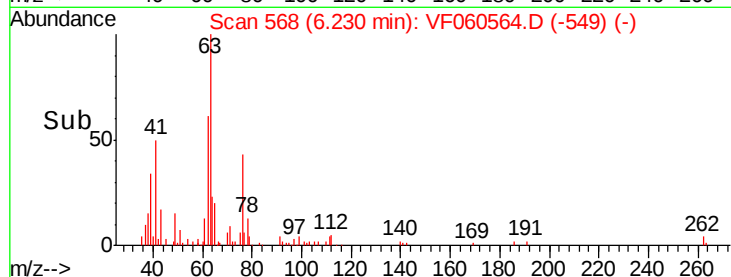
2000

0

6.10 6.20 6.30

6.23

Time-->



#46

Dibromomethane

Concen: 5.031 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

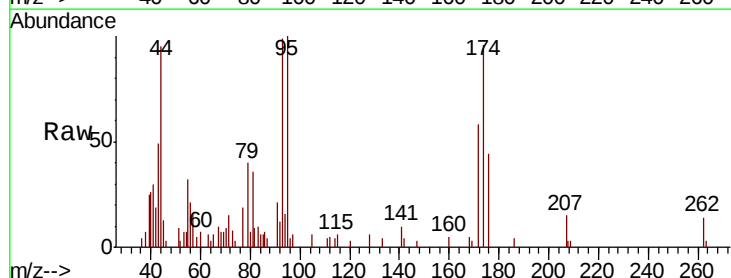
Tgt Ion: 93 Resp: 10342

Ion Ratio Lower Upper

93 100

95 100.6 68.6 102.8

174 97.0 79.0 118.4



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

4000

3000

2000

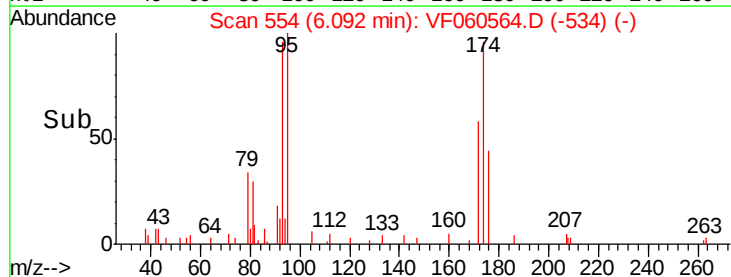
1000

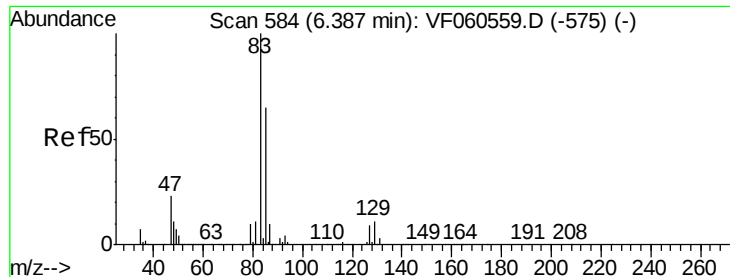
0

6.00 6.10 6.20

6.09

Time-->





#47

Bromodichloromethane

Concen: 4.738 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

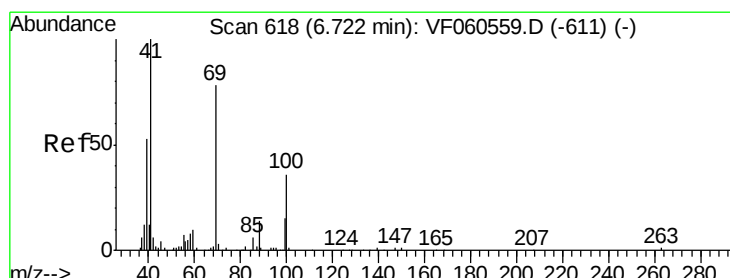
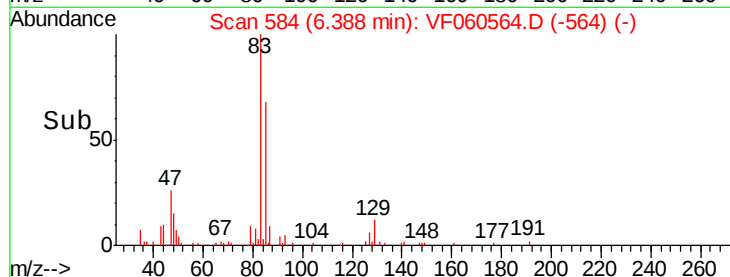
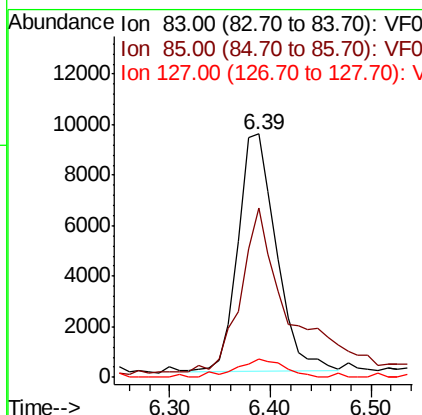
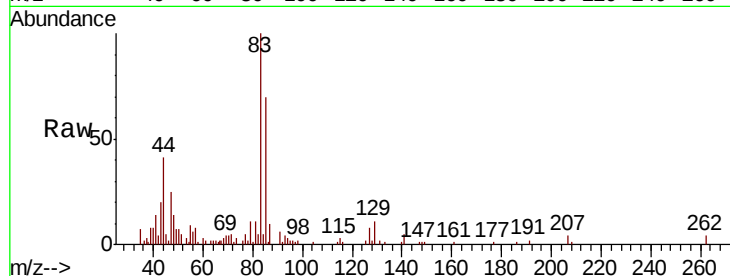
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24677
Ion	Ratio	Lower	Upper
83	100		
85	69.8	51.8	77.6
127	7.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 6.977 ug/l

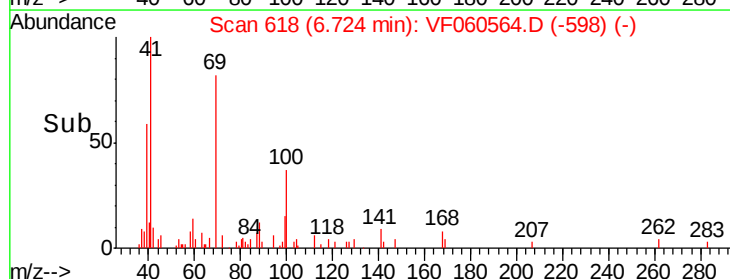
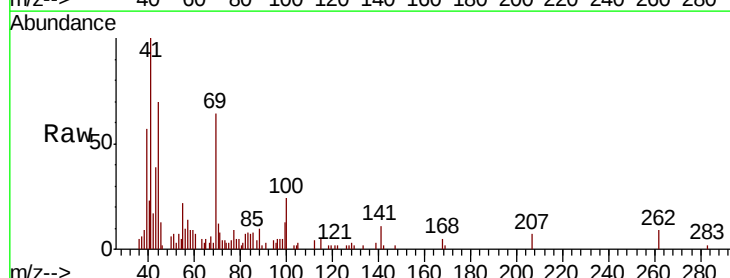
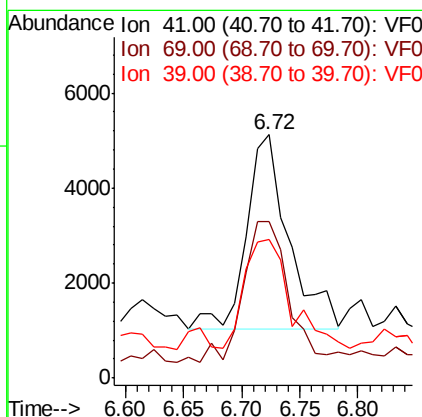
RT: 6.72 min Scan# 618

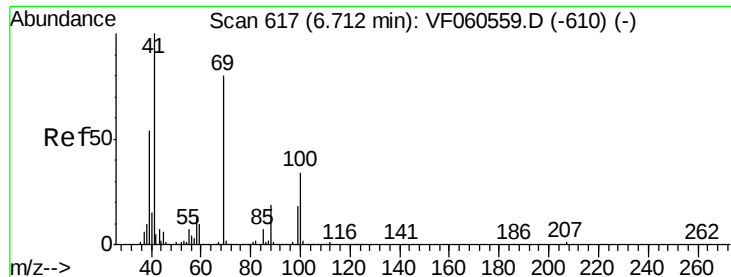
Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	41	Resp:	10251
Ion	Ratio	Lower	Upper
41	100		
69	64.3	61.1	91.7
39	56.8	43.0	64.6





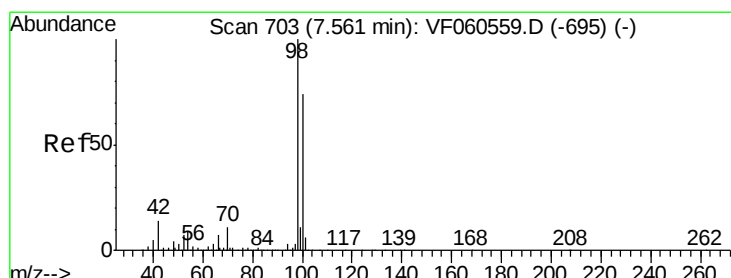
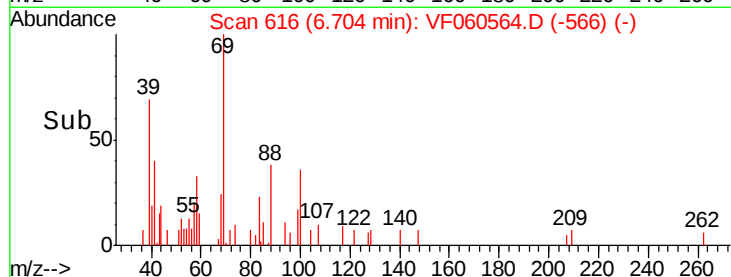
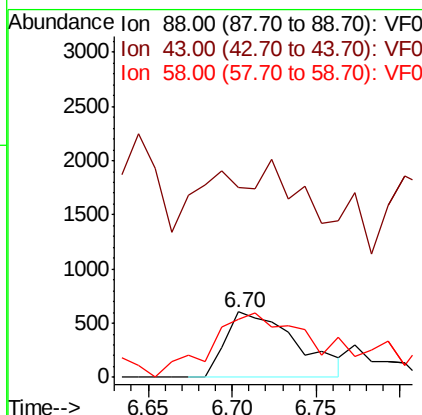
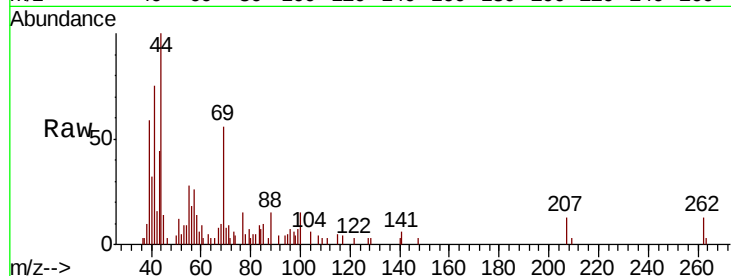
#49
1,4-Dioxane
Concen: 123.046 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	289.4	61.2	91.8#
58	88.2	56.9	85.3#

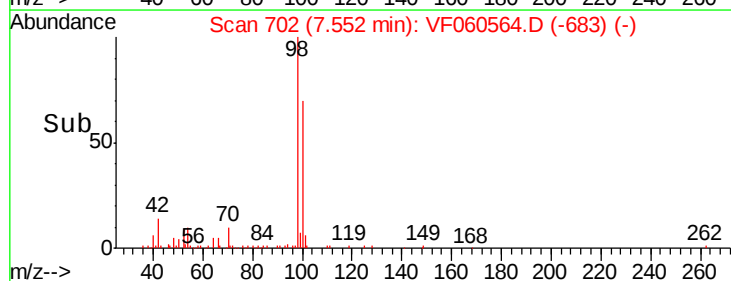
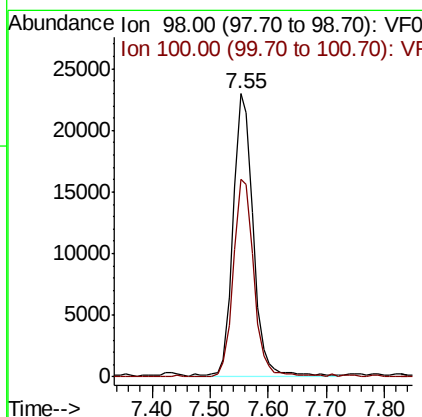
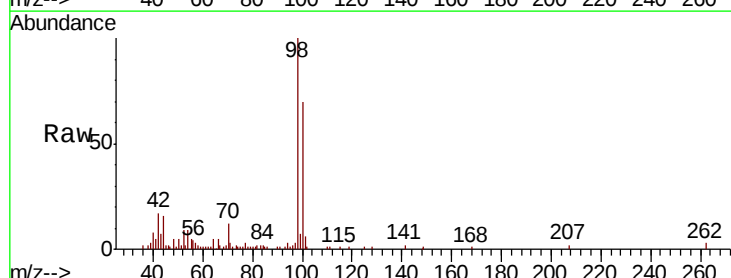
Manual Integrations
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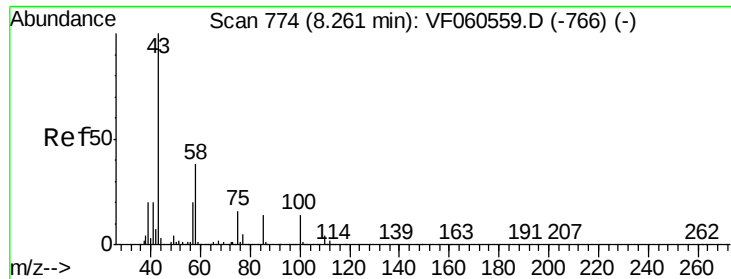
MMDadoda
11/5/2018 3:55:39 PM



#50
Toluene-d8
Concen: 5.537 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	59.4	89.2





#51

4-Methyl-2-Pentanone

Concen: 36.577 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 57320

Ion Ratio Lower Upper

43 100

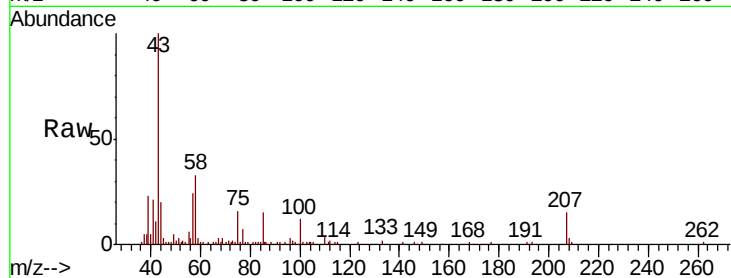
58 33.2 30.1 45.1

Manual Integrations

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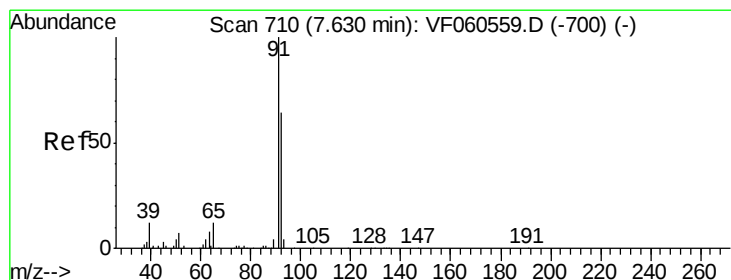
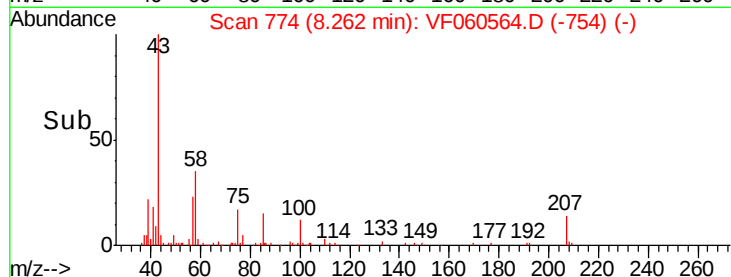
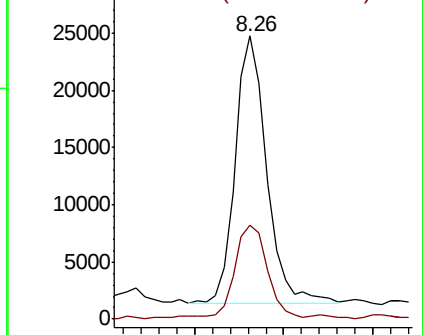
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.991 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060564.D

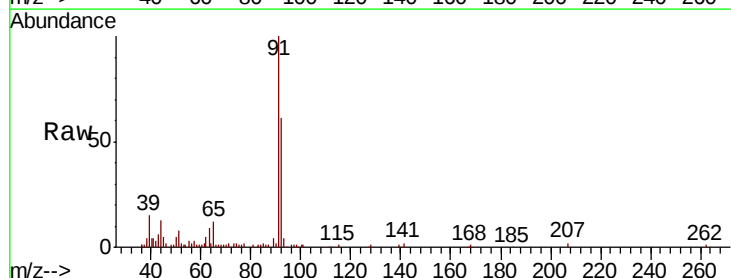
Acq: 2 Nov 2018 16:49

Tgt Ion: 92 Resp: 41935

Ion Ratio Lower Upper

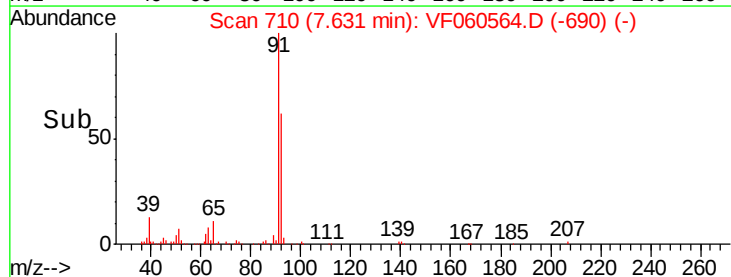
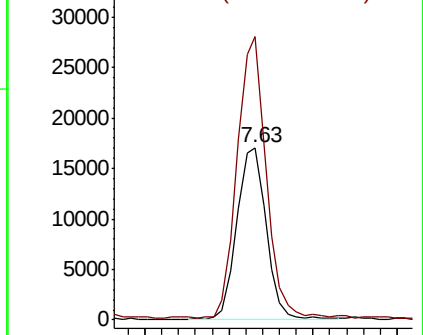
92 100

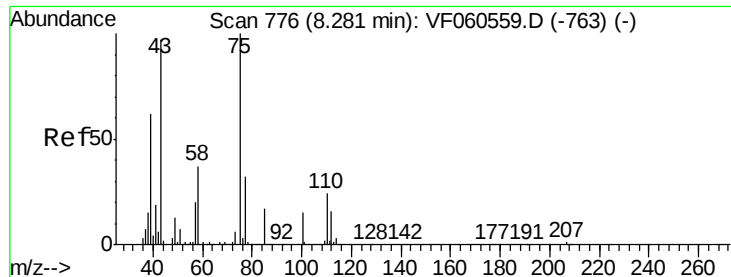
91 164.5 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 5.548 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 22741

Ion Ratio Lower Upper

75 100

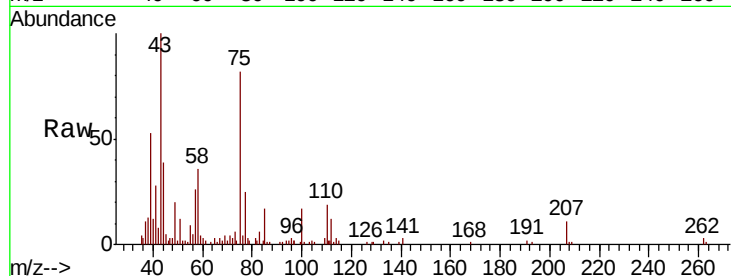
77 29.8 25.7 38.5

Manual Integrations

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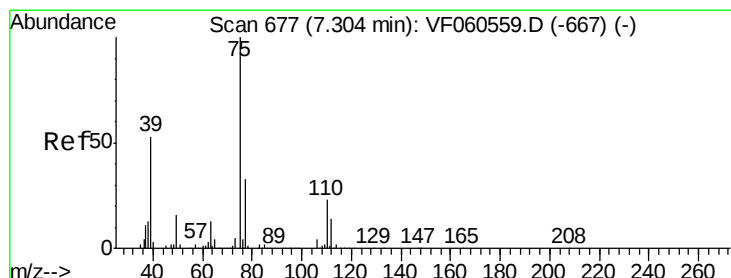
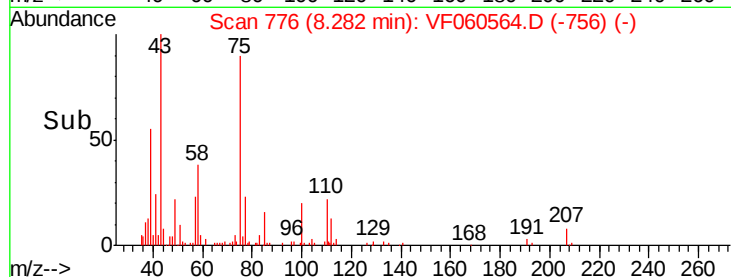
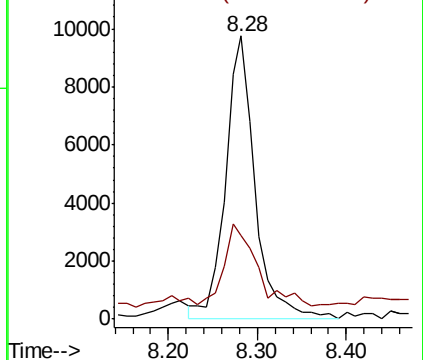
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 5.443 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

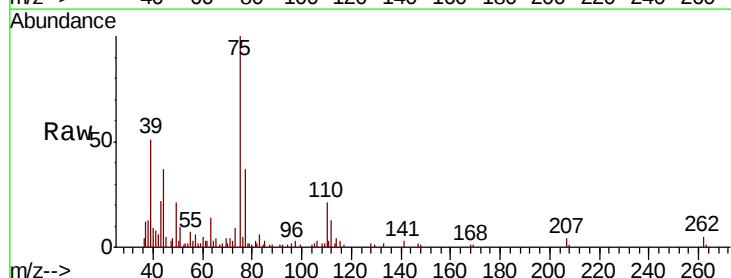
Tgt Ion: 75 Resp: 27033

Ion Ratio Lower Upper

75 100

77 36.8 26.7 40.1

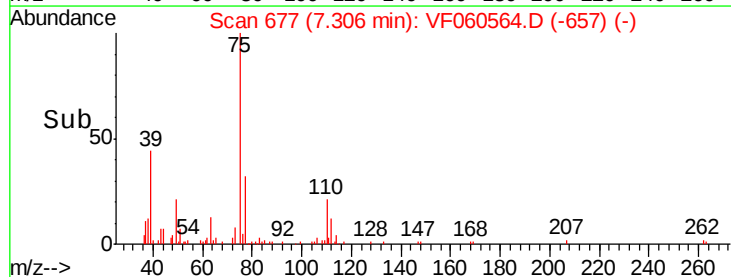
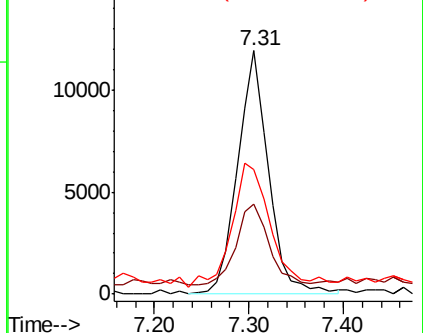
39 51.3 43.0 64.4

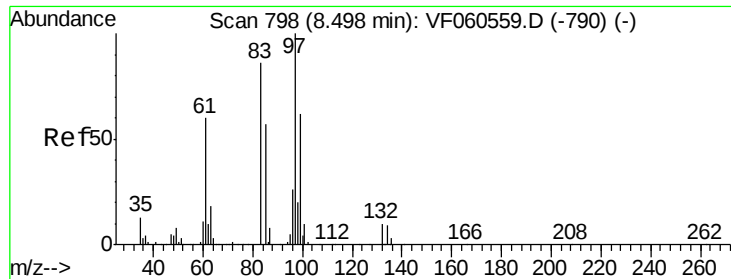


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 6.162 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

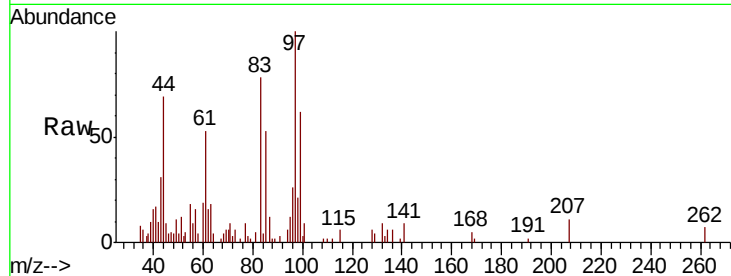
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	12646
Ion	Ratio	Lower	Upper
97	100		
83	78.3	69.4	104.0
85	53.1	46.6	69.8
99	61.5	50.0	75.0

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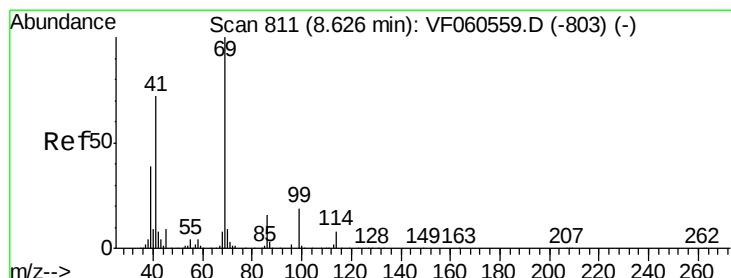
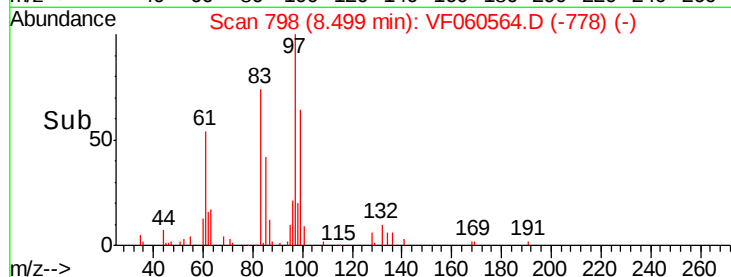
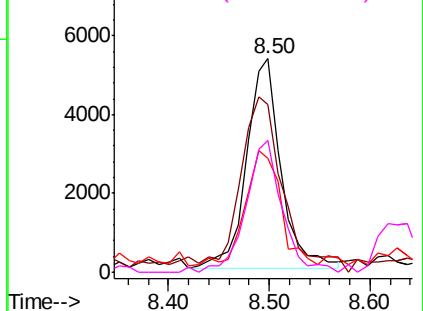


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 7.377 ug/l

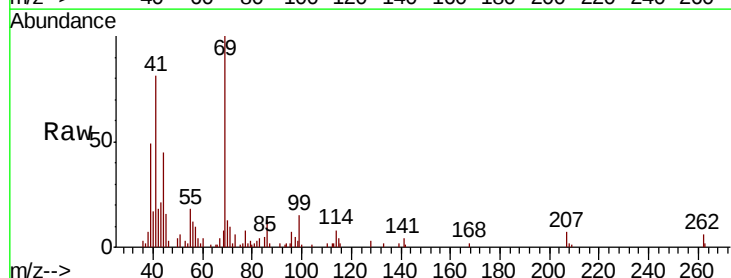
RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

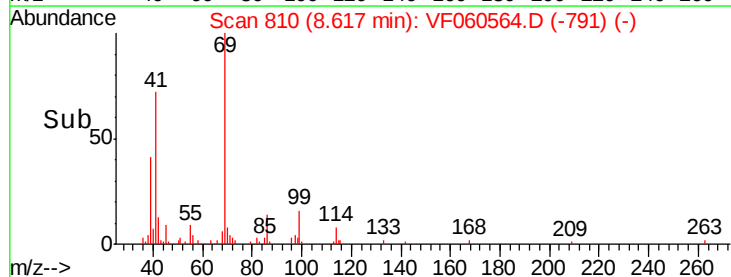
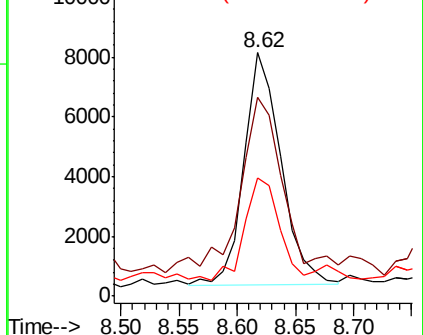
Tgt Ion:	69	Resp:	17140
Ion	Ratio	Lower	Upper
69	100		
41	81.4	59.2	88.8
39	48.7	32.3	48.5#

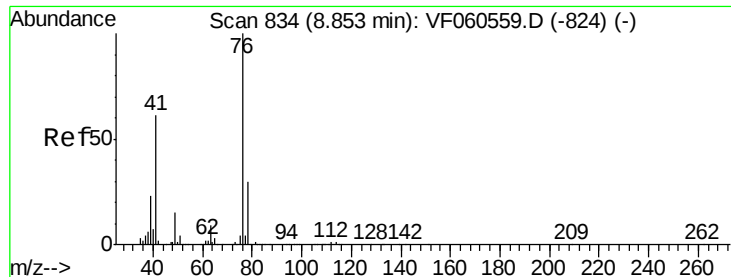


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 6.554 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22780

Ion Ratio Lower Upper

76 100

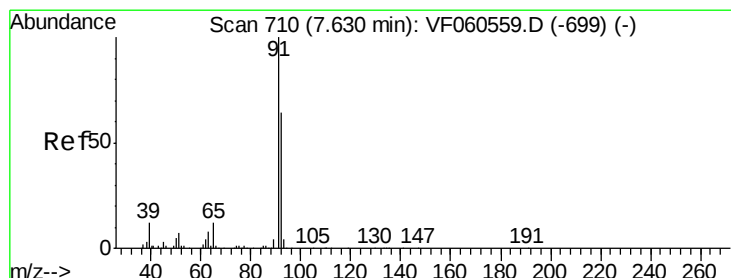
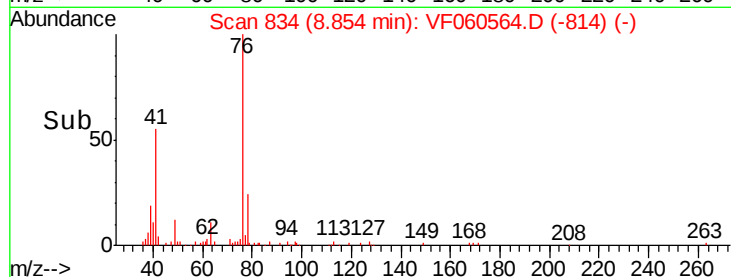
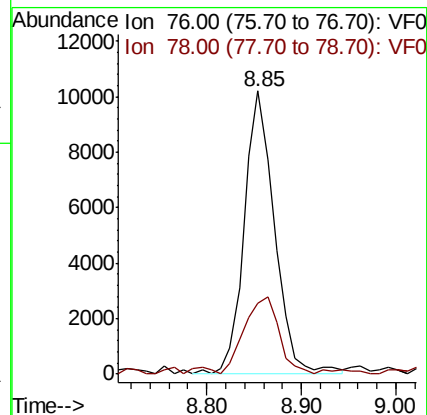
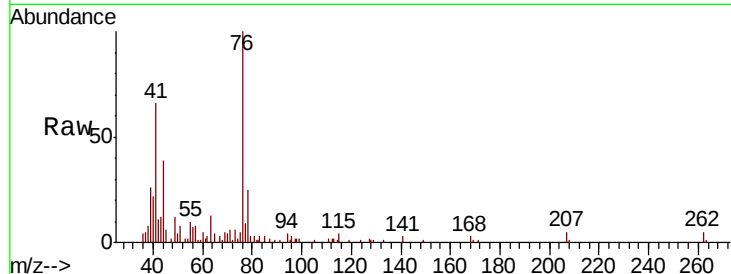
78 25.2 24.2 36.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 27.617 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060564.D

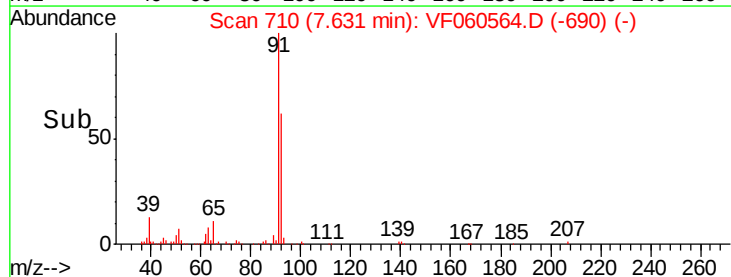
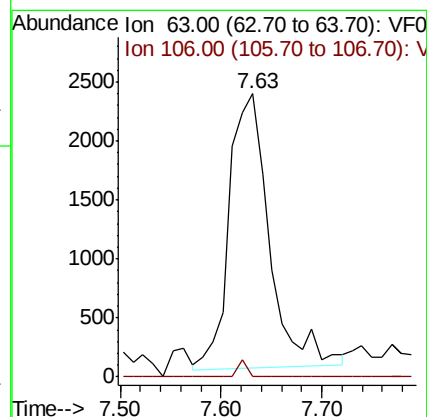
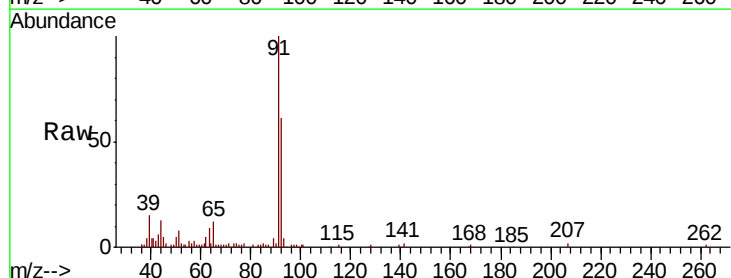
Acq: 2 Nov 2018 16:49

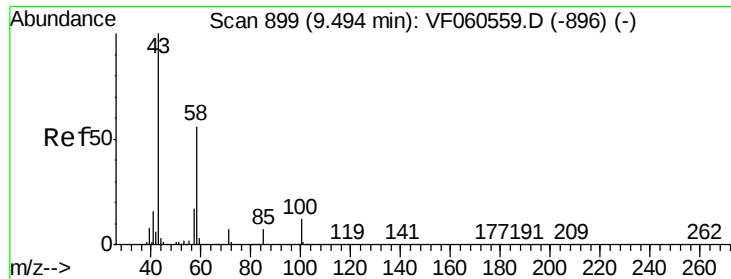
Tgt Ion: 63 Resp: 6448

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





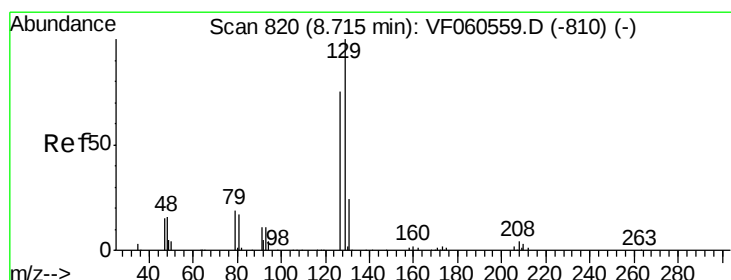
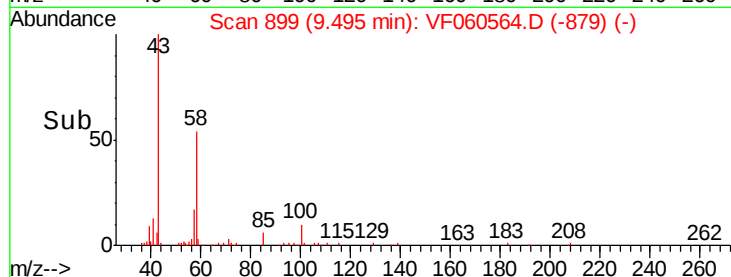
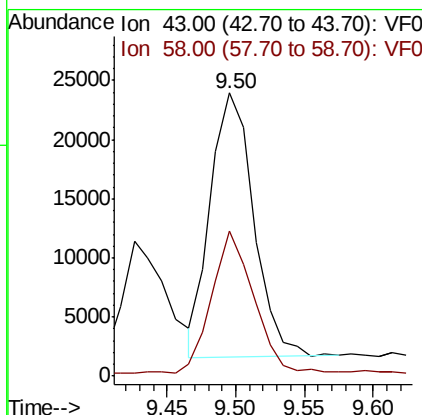
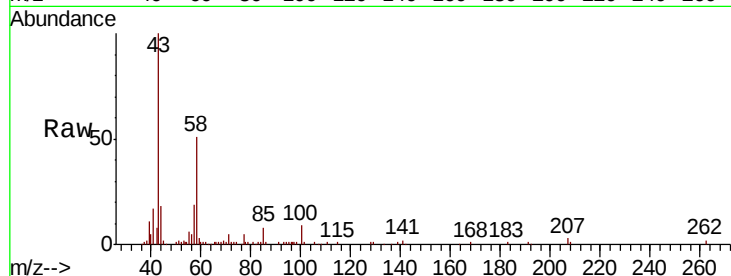
#59
2-Hexanone
Concen: 42.865 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 48655
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.3

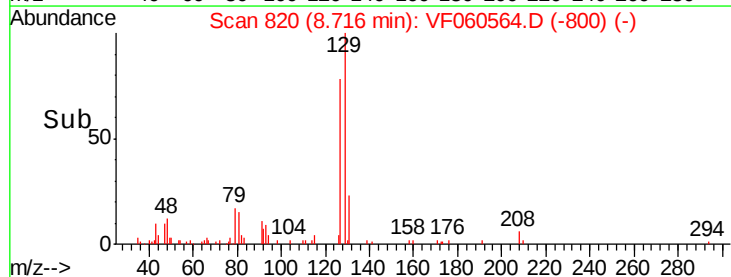
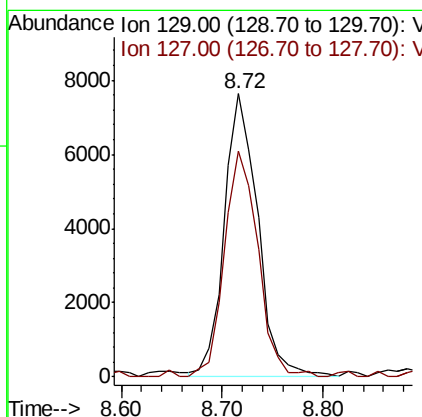
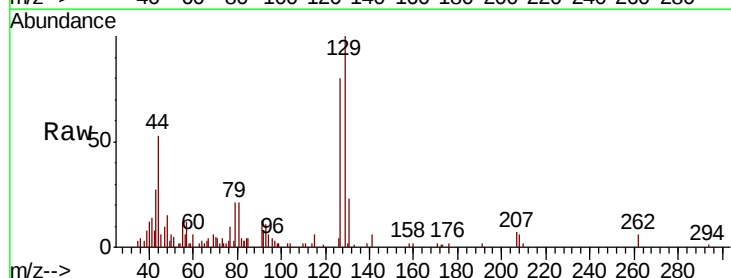
Manual Integrations
APPROVED

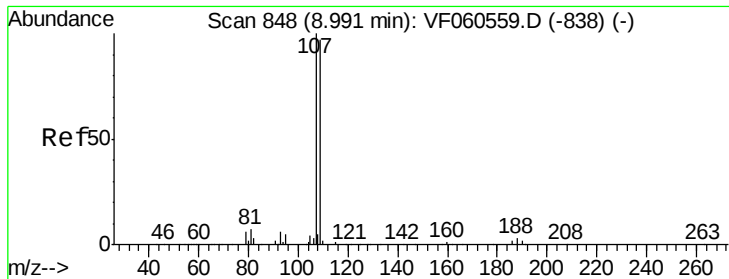
MMDadoda
11/5/2018 3:55:39 PM



#60
Dibromochloromethane
Concen: 5.408 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion: 129 Resp: 17655
Ion Ratio Lower Upper
129 100
127 79.7 37.8 113.3





#61

1,2-Dibromoethane

Concen: 5.390 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 12748

Ion Ratio Lower Upper

107 100

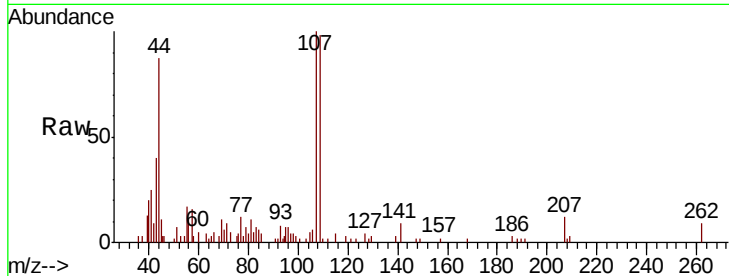
109 98.3 77.5 116.3

Manual Integrations

APPROVED

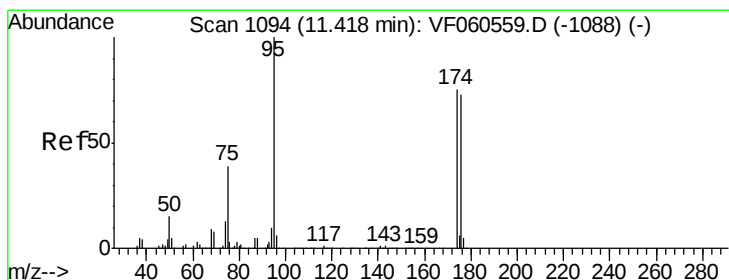
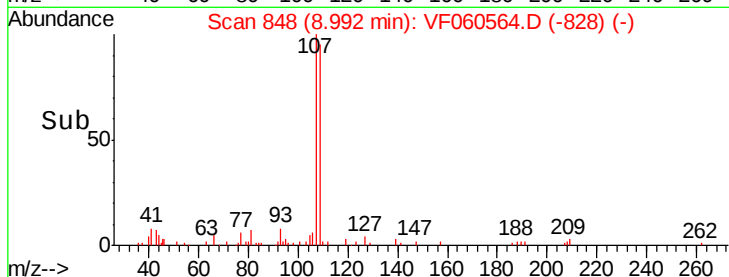
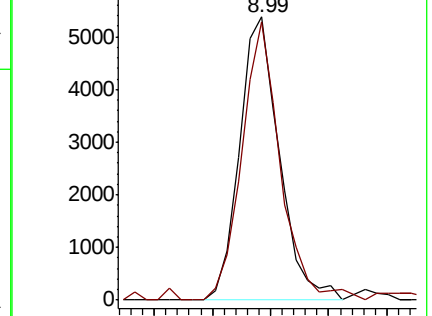
MMDadoda

11/5/2018 3:55:39 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.230 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

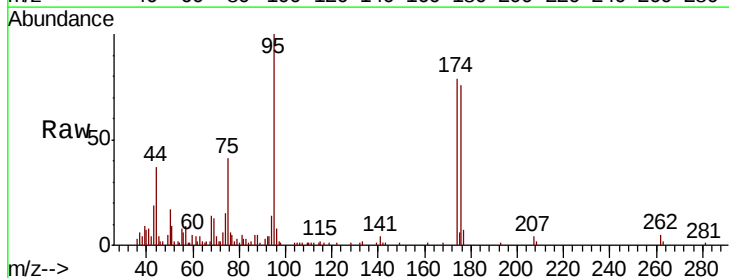
Tgt Ion: 95 Resp: 24110

Ion Ratio Lower Upper

95 100

174 79.3 0.0 149.0

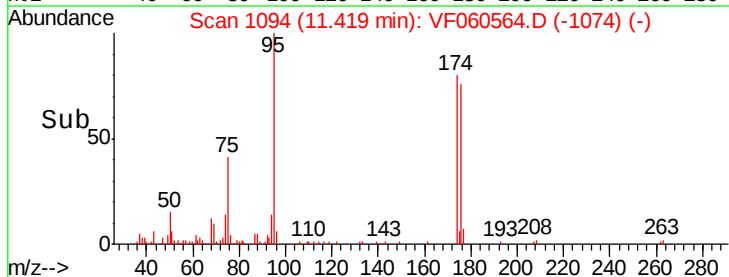
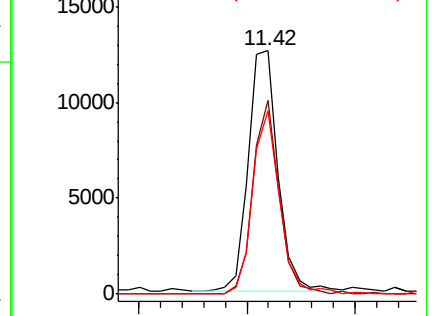
176 75.6 0.0 145.6

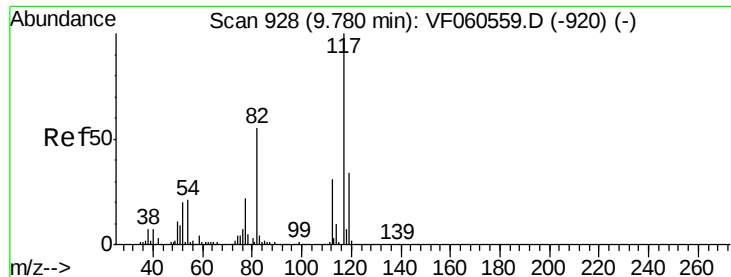


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





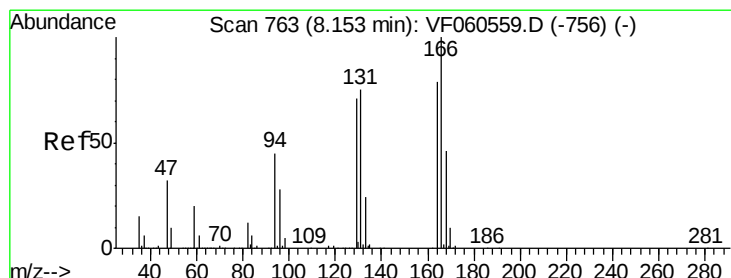
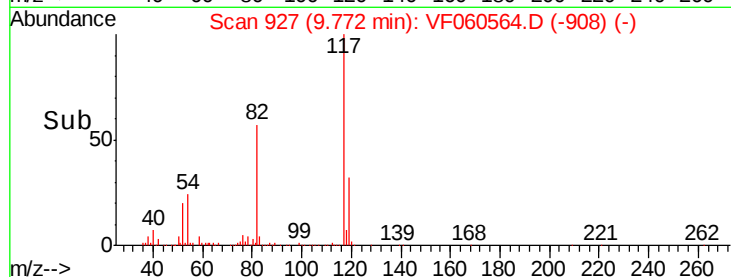
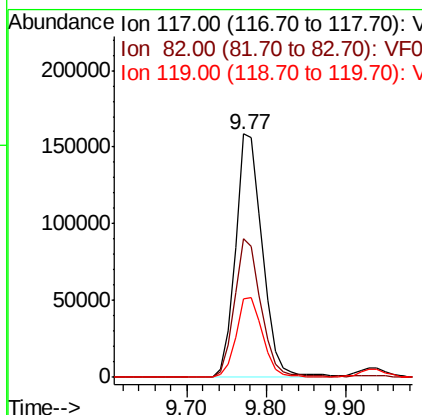
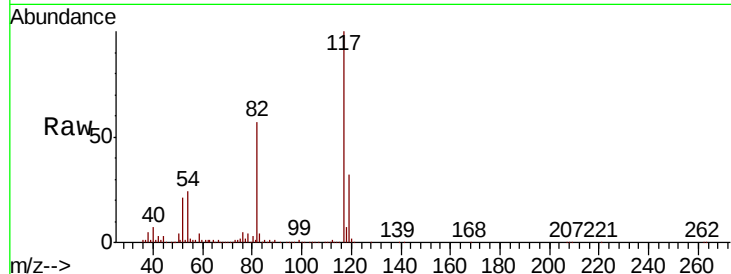
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372669		
82	56.9		43.9	65.9
119	32.3		27.4	41.0

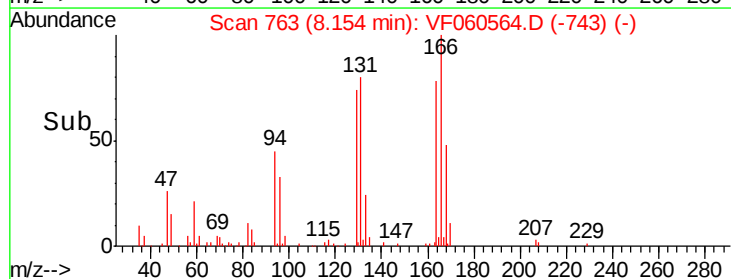
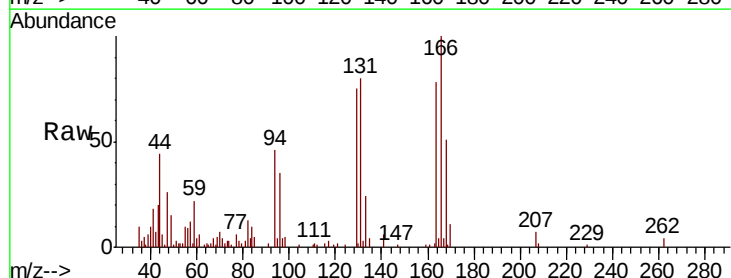
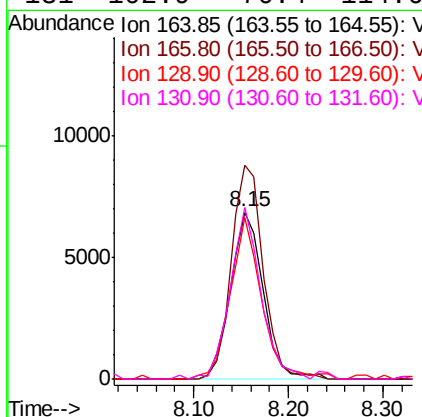
Manual Integrations
APPROVED

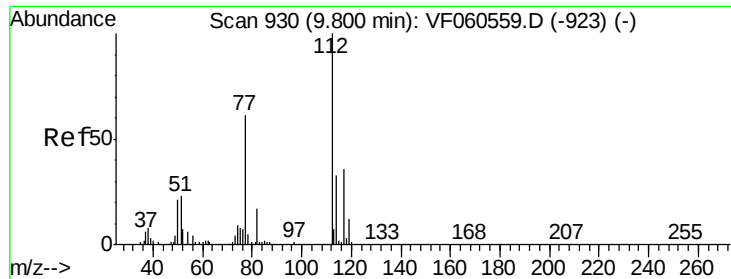
MMDadoda
11/5/2018 3:55:39 PM



#64
Tetrachloroethene
Concen: 5.231 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16221		
166	128.3		101.5	152.3
129	96.8		72.5	108.7
131	102.9		76.4	114.6





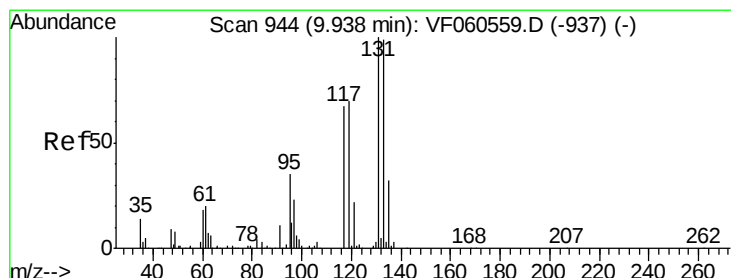
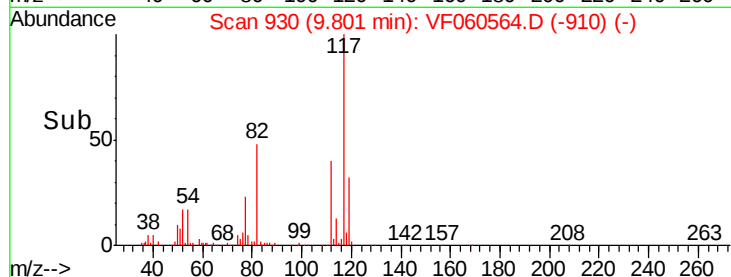
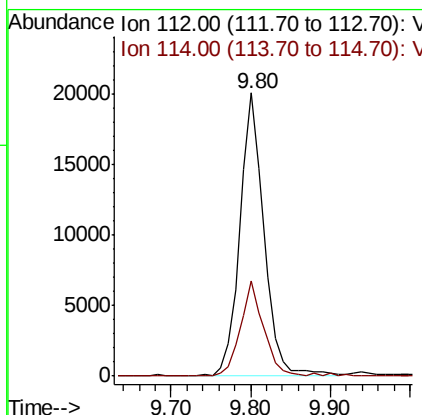
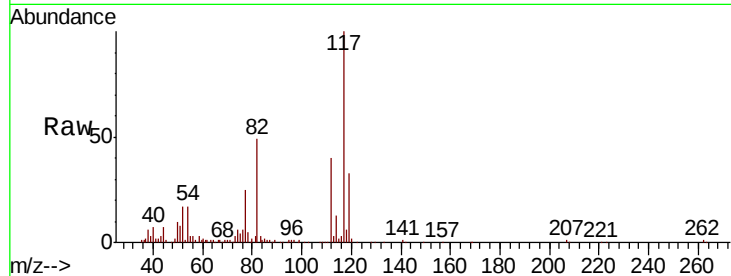
#65
Chlorobenzene
Concen: 5.665 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 42217
Ion Ratio Lower Upper
112 100
114 33.8 26.6 40.0

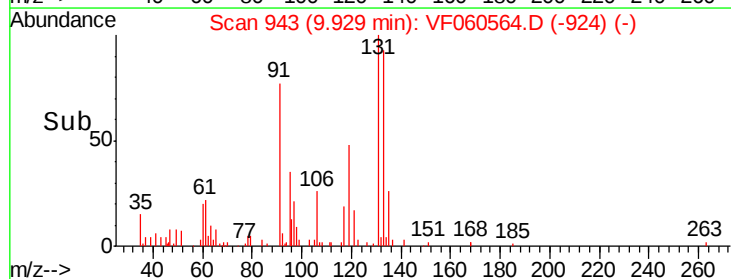
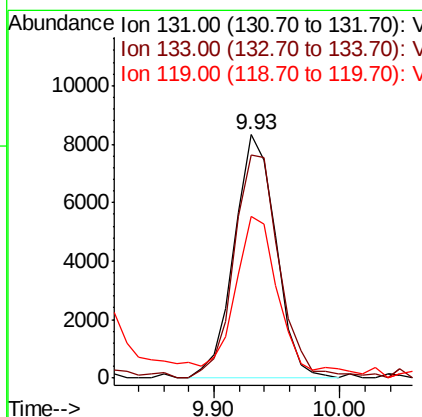
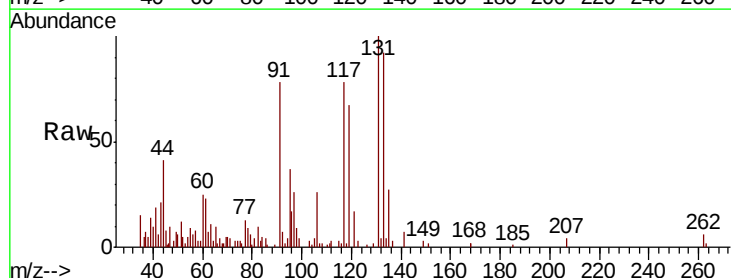
Manual Integrations
APPROVED

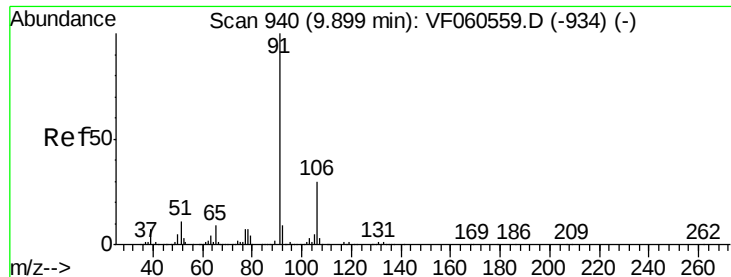
MMDadoda
11/5/2018 3:55:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion:131 Resp: 19067
Ion Ratio Lower Upper
131 100
133 91.7 49.5 148.7
119 66.6 35.2 105.6





#67

Ethyl Benzene

Concen: 5.924 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 84043

Ion Ratio Lower Upper

91 100

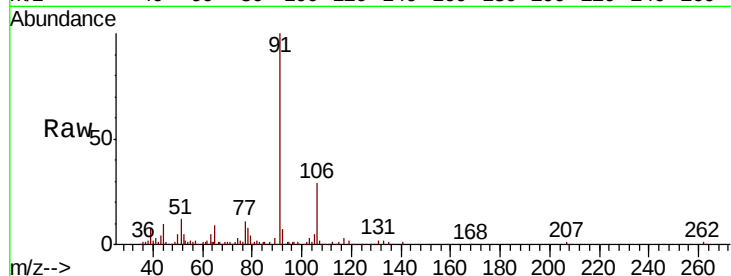
106 29.3 24.2 36.4

Manual Integrations

APPROVED

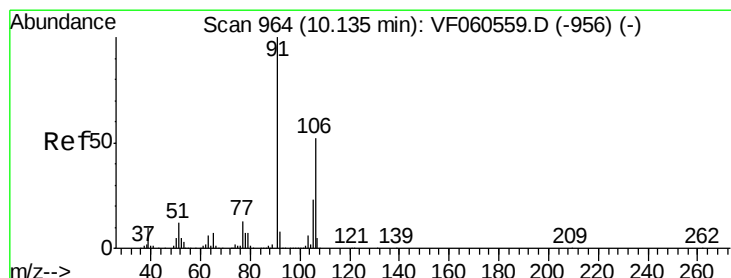
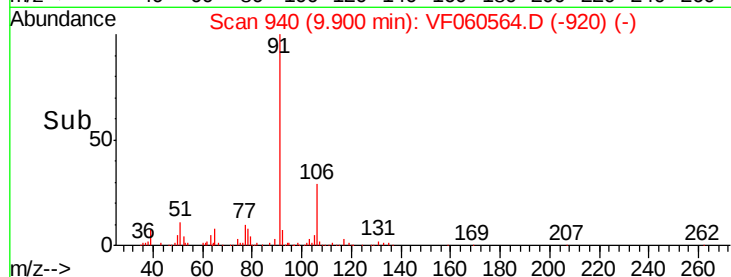
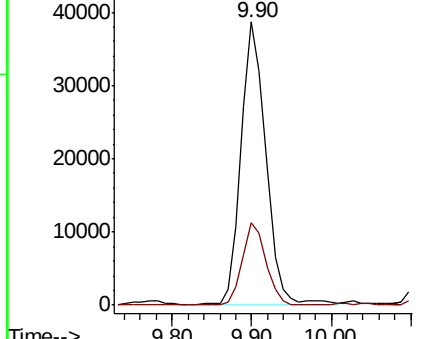
MMDadoda

11/5/2018 3:55:39 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: 12.741 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060564.D

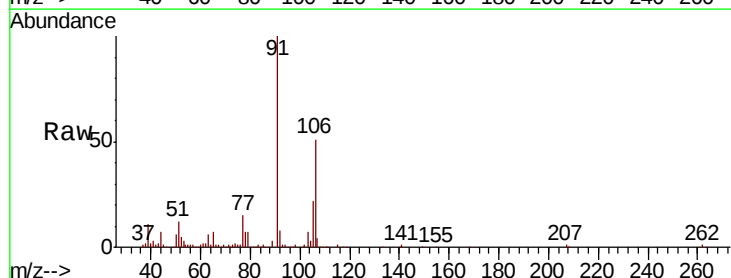
Acq: 2 Nov 2018 16:49

Tgt Ion: 106 Resp: 62441

Ion Ratio Lower Upper

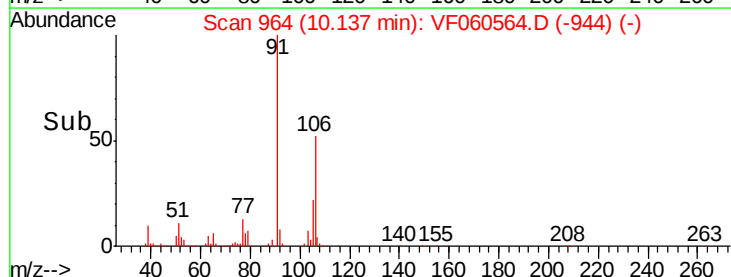
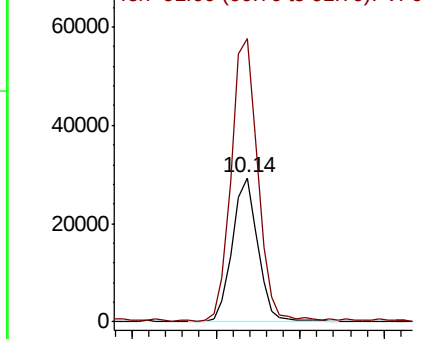
106 100

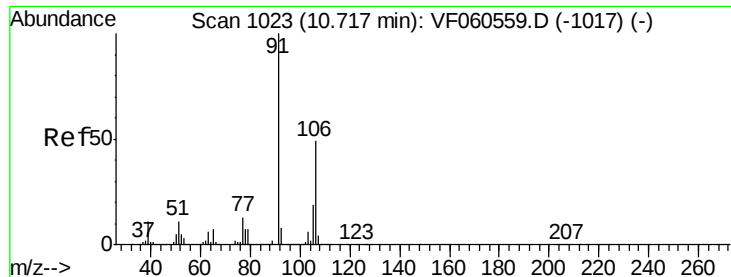
91 196.4 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





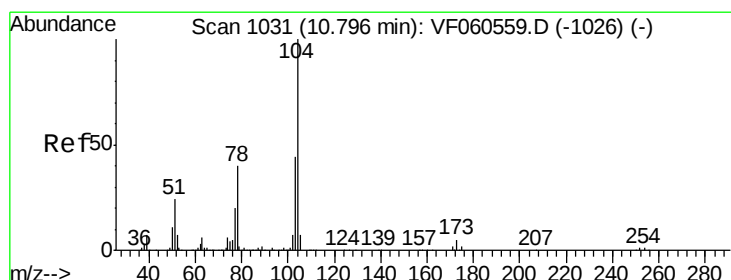
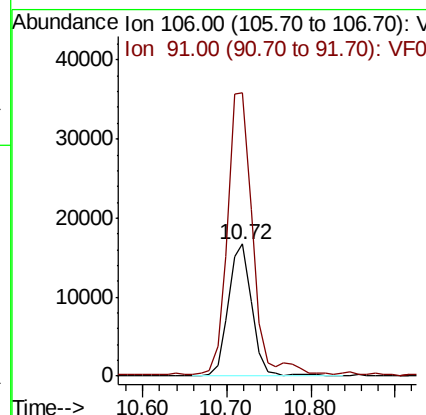
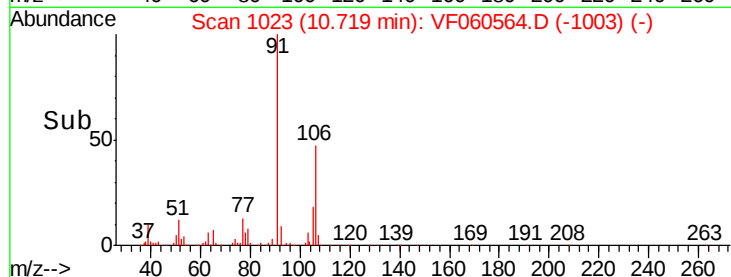
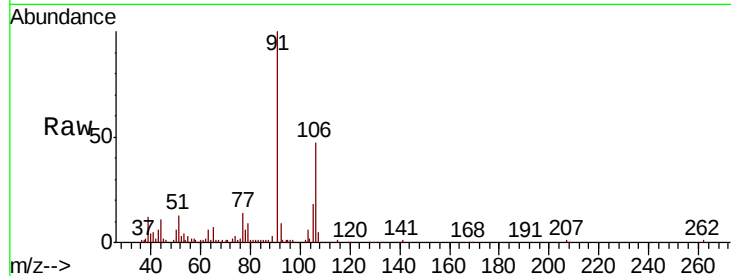
#69
o-Xylene
Concen: 5.945 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 32678
Ion Ratio Lower Upper
106 100
91 214.1 101.8 305.3

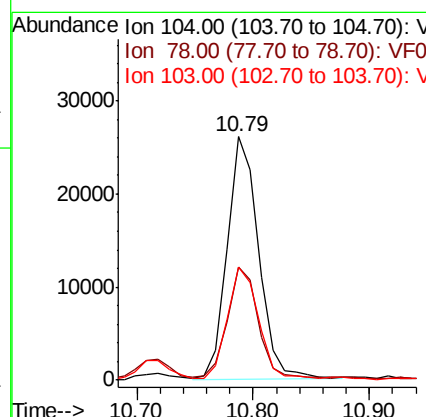
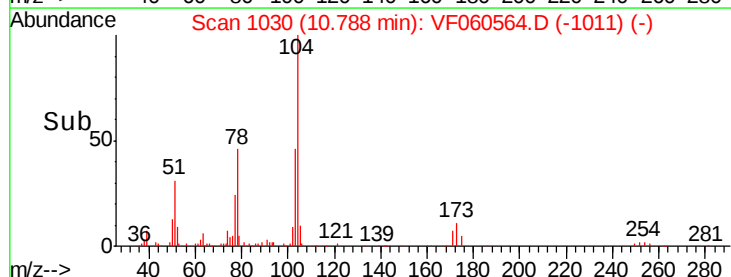
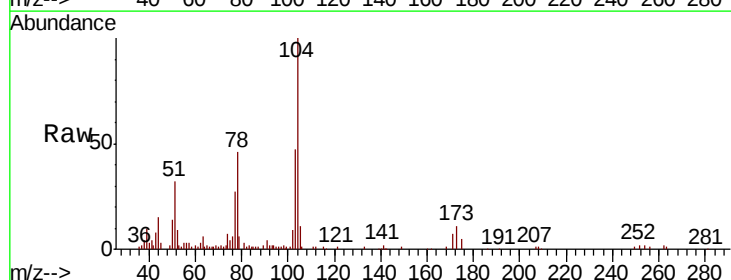
Manual Integrations
APPROVED

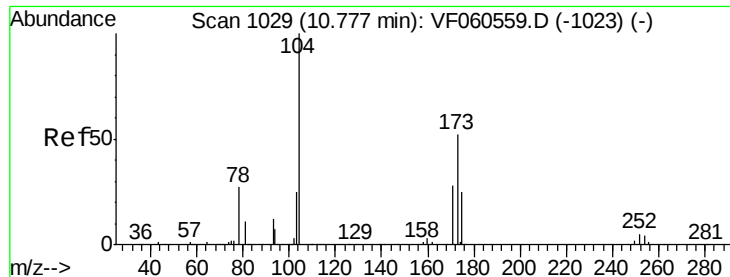
MMDadoda
11/5/2018 3:55:39 PM



#70
Styrene
Concen: 6.282 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion:104 Resp: 48870
Ion Ratio Lower Upper
104 100
78 46.2 32.6 49.0
103 46.6 35.2 52.8





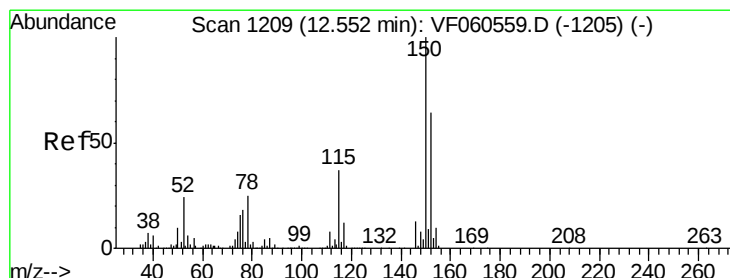
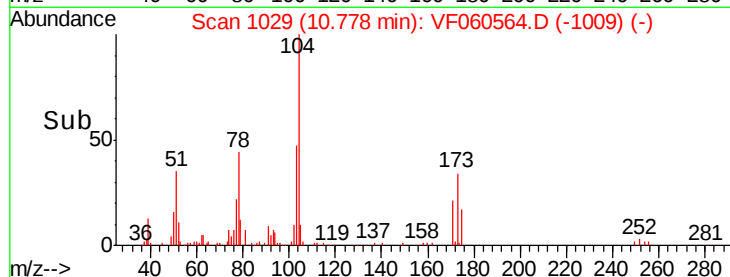
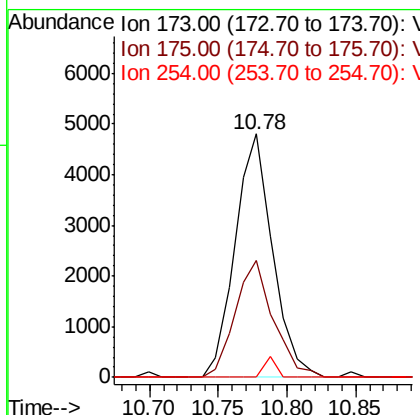
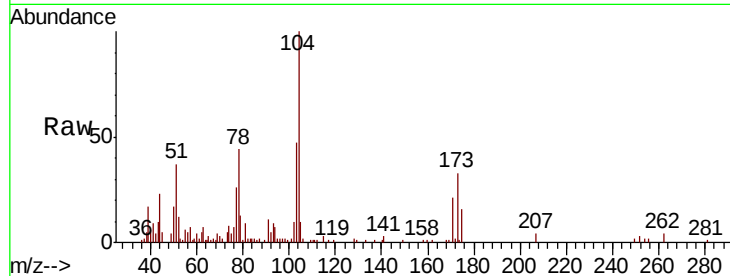
#71
Bromoform
Concen: 5.282 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.0	6.7	10.1

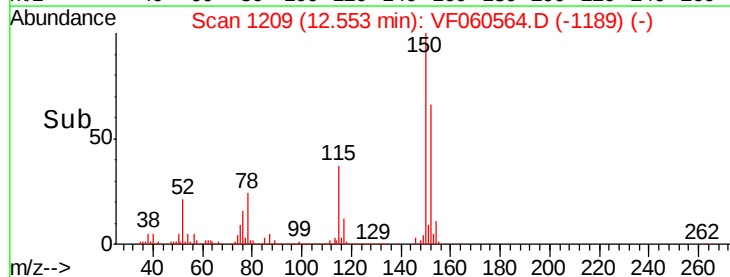
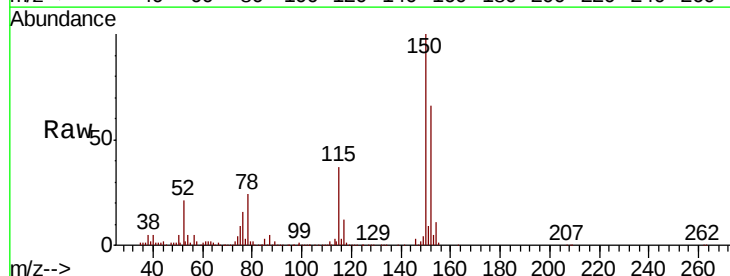
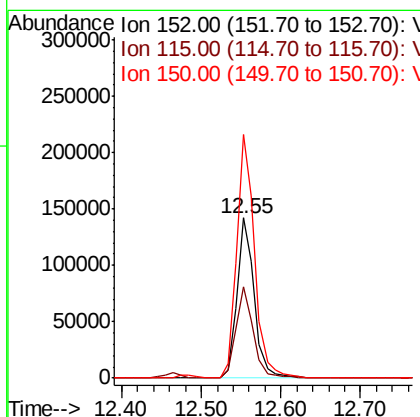
Manual Integrations
APPROVED

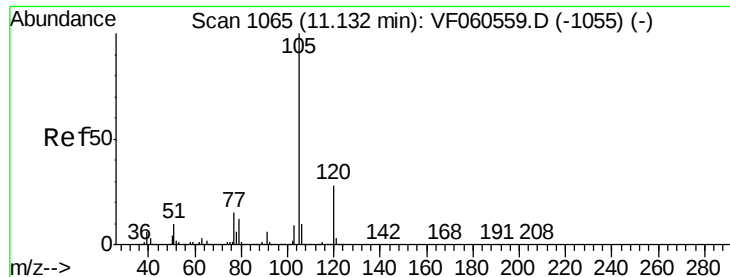
MMDadoda
11/5/2018 3:55:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	29.6	88.8
150	152.4	0.0	315.6





#73

Isopropylbenzene

Concen: 5.712 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 95483

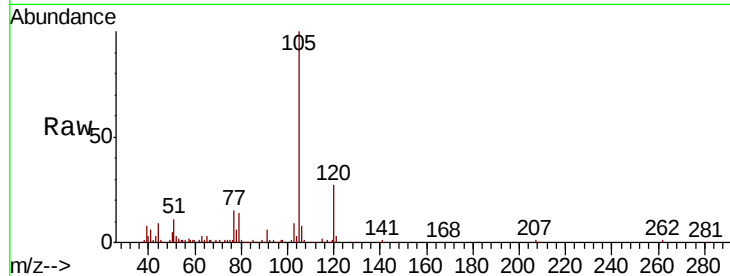
Ion Ratio Lower Upper

105 100

120 26.9 13.9 41.6

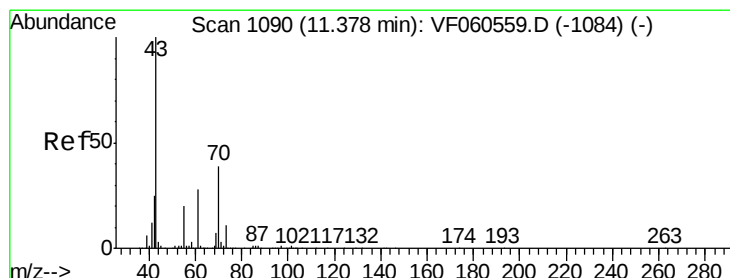
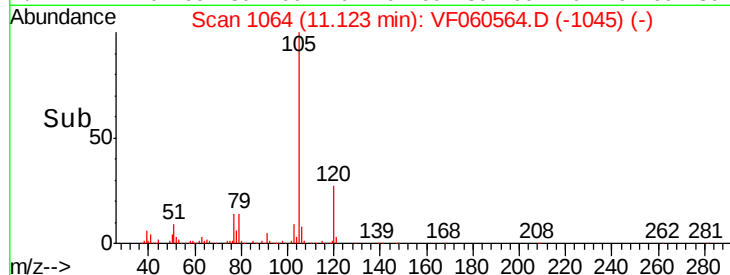
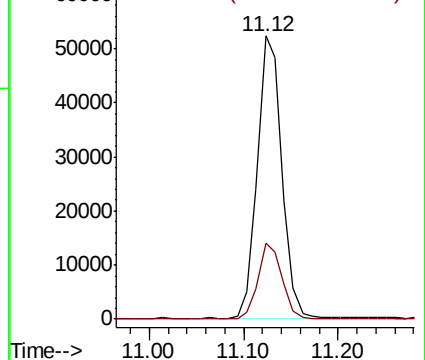
Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:55:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.564 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion: 43 Resp: 33493

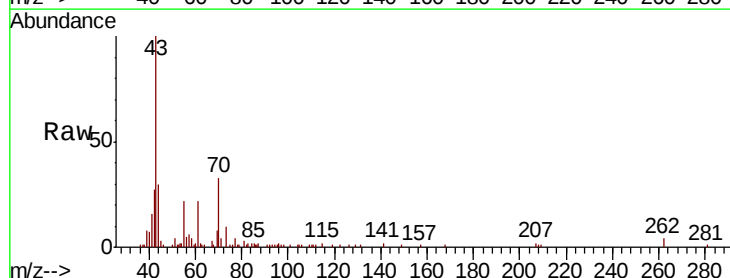
Ion Ratio Lower Upper

43 100

70 32.5 30.9 46.3

55 22.1 16.6 24.8

61 21.8 22.0 33.0#

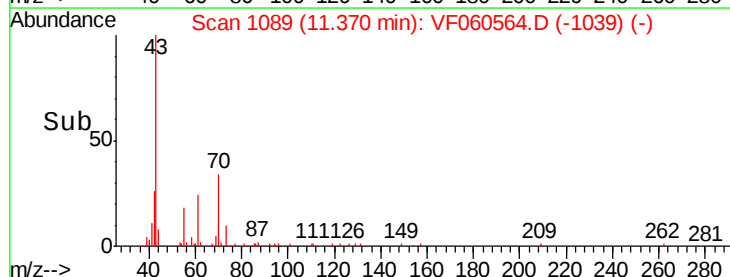
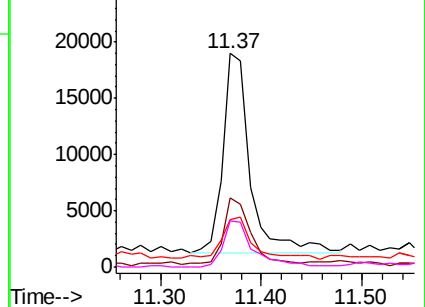


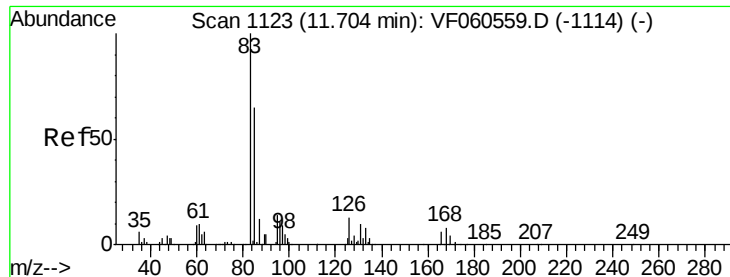
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.857 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

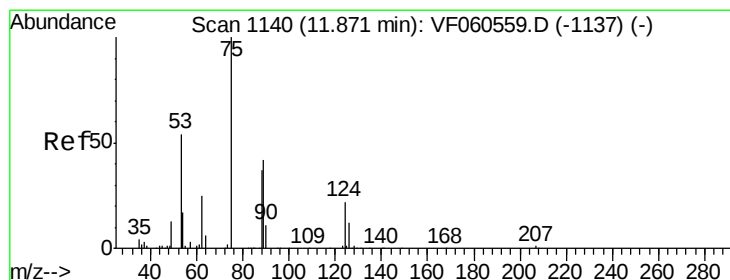
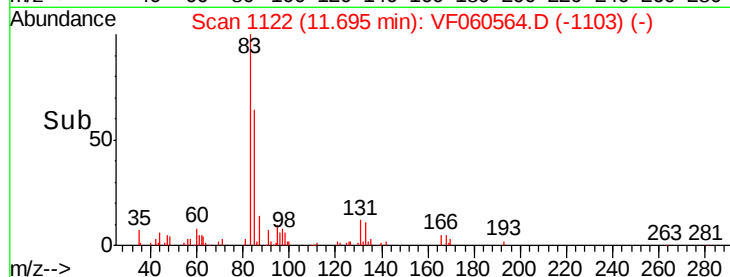
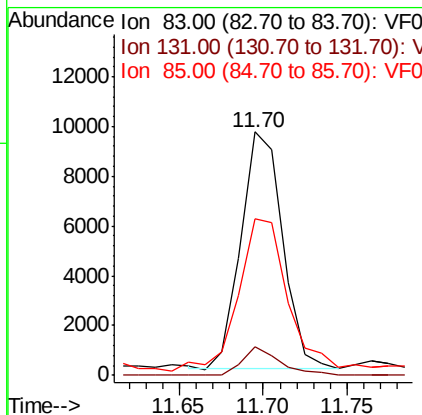
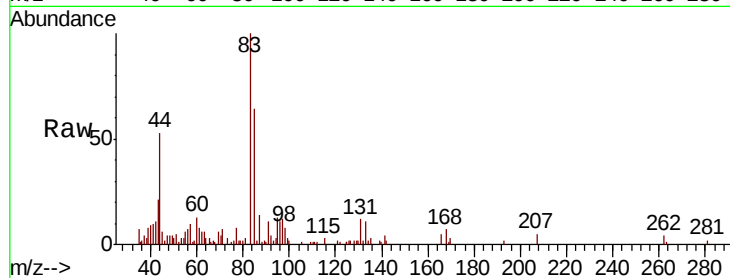
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16385
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.0	14.9
85	64.5	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.316 ug/l

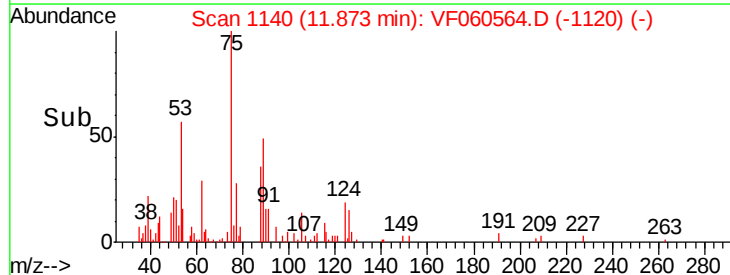
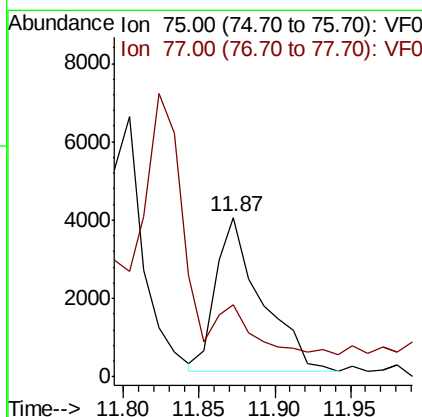
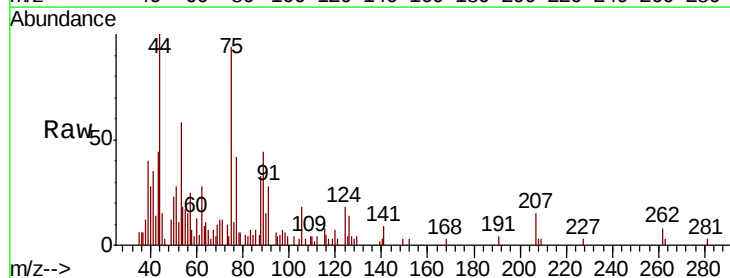
RT: 11.87 min Scan# 1140

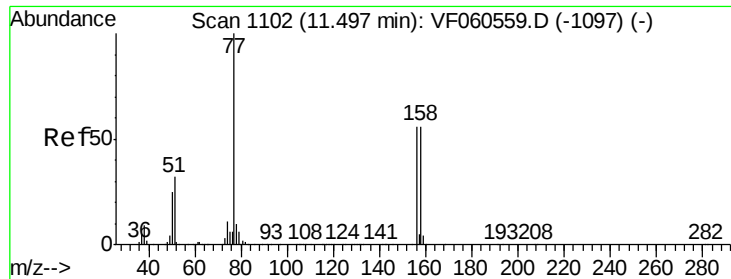
Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion:	75	Resp:	8290
Ion Ratio	Lower	Upper	
75	100		
77	45.2	17.4	52.3





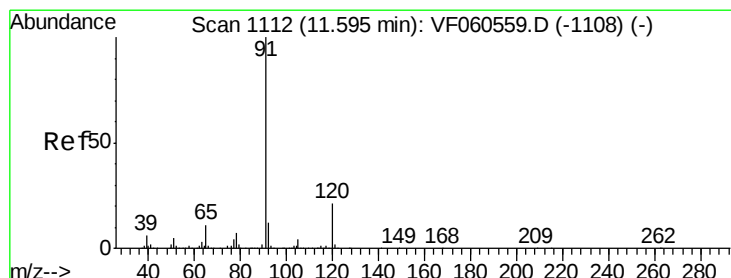
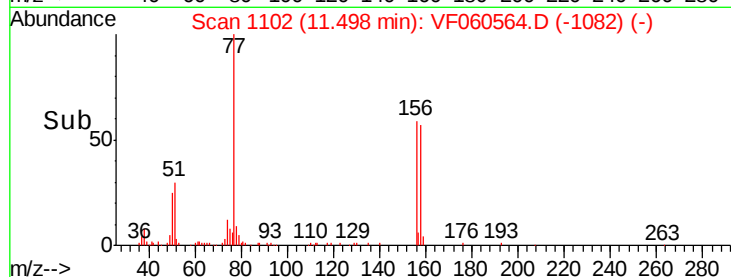
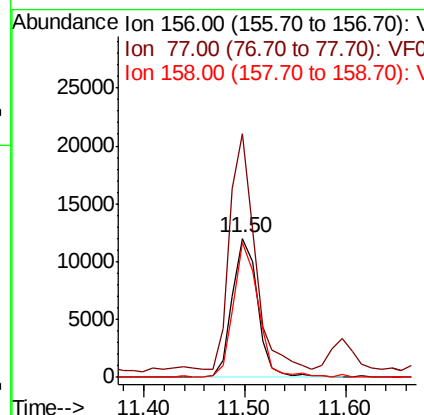
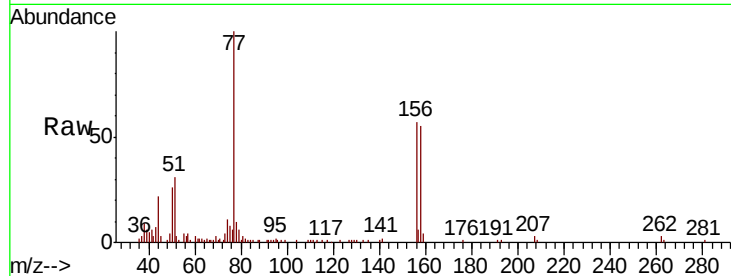
#77
Bromobenzene
Concen: 5.774 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	89.3	268.1
158	97.2	50.0	150.1

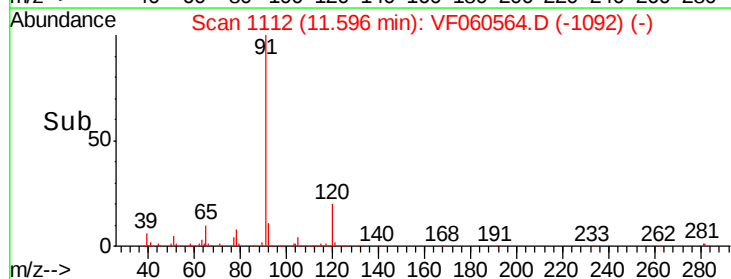
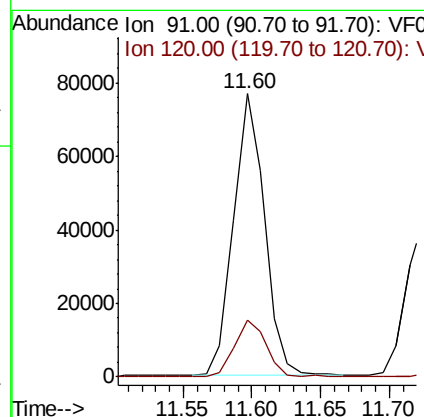
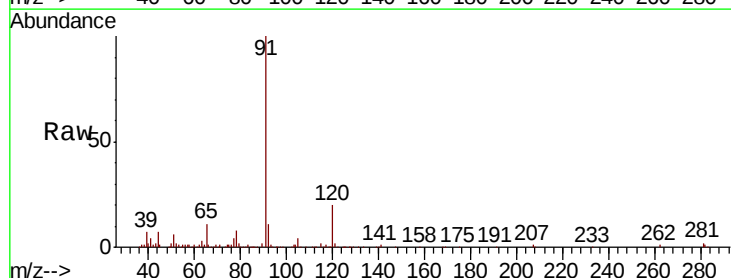
Manual Integrations
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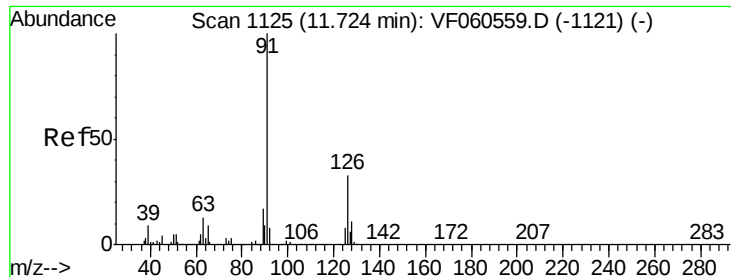
MMDadoda
11/5/2018 3:55:39 PM



#78
n-propylbenzene
Concen: 6.134 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.5	31.6





#79

2-Chlorotoluene

Concen: 5.531 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64880

Ion Ratio Lower Upper

91 100

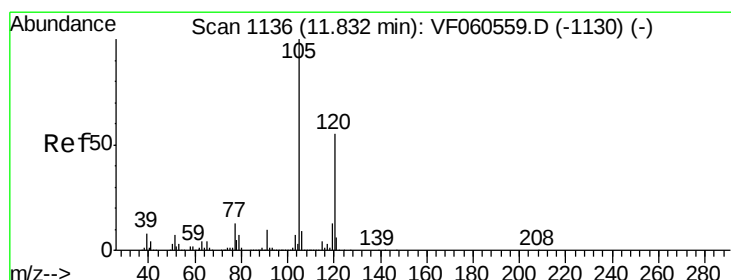
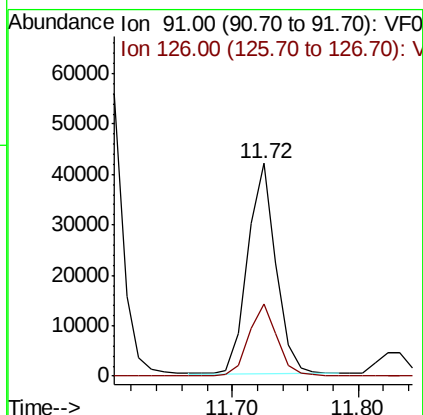
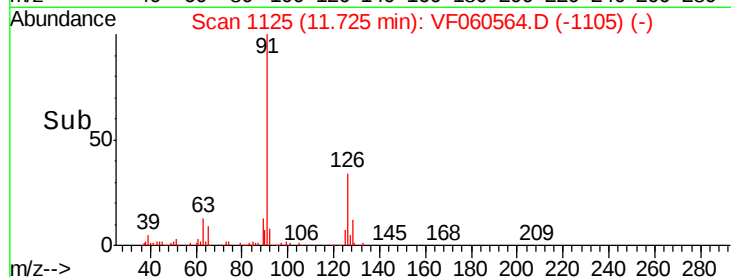
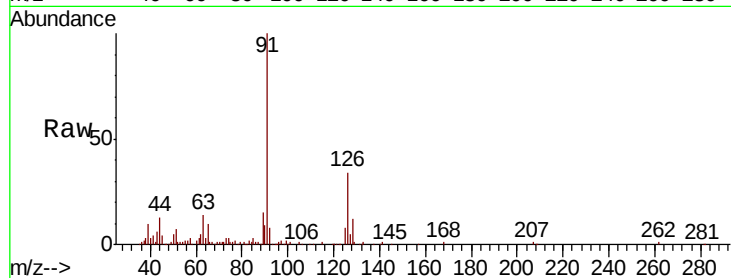
126 34.1 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.986 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060564.D

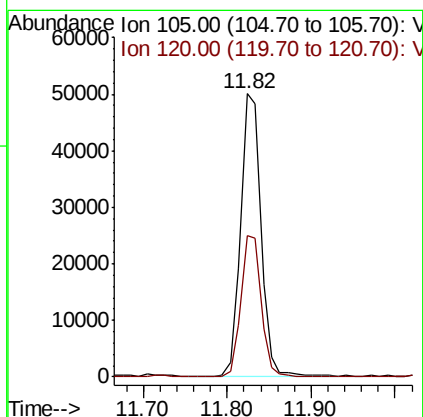
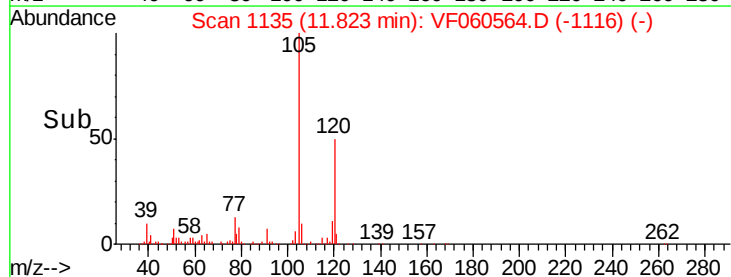
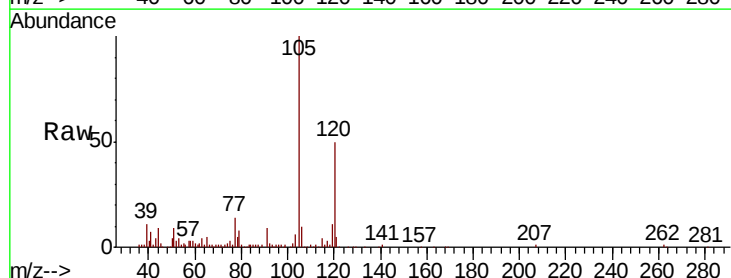
Acq: 2 Nov 2018 16:49

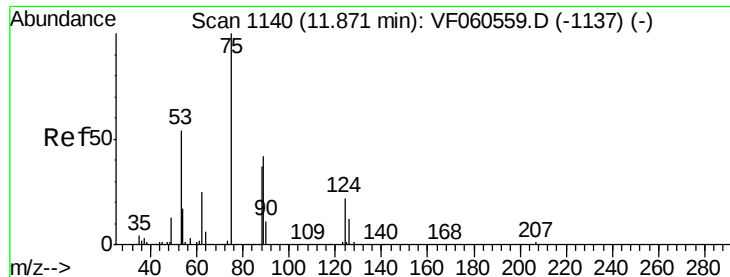
Tgt Ion: 105 Resp: 85364

Ion Ratio Lower Upper

105 100

120 49.9 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 7.560 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 7089

Ion Ratio Lower Upper

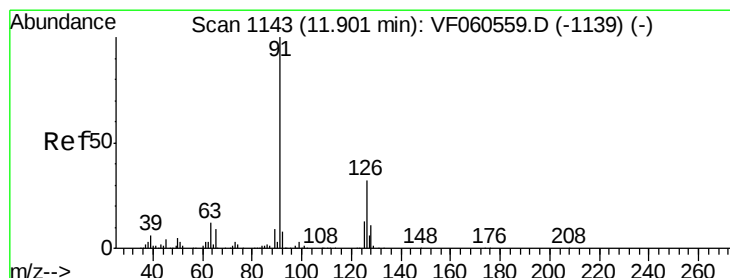
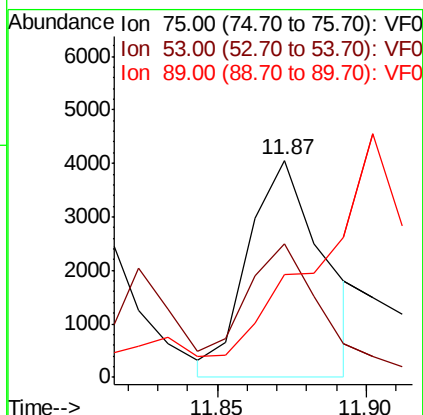
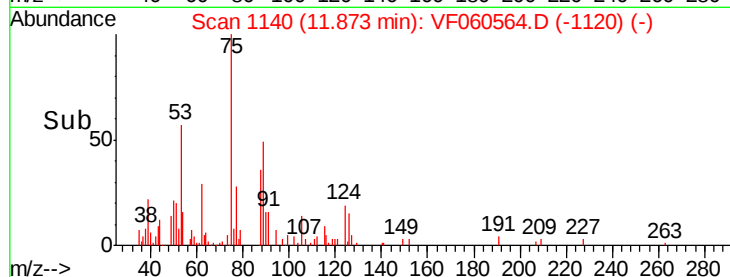
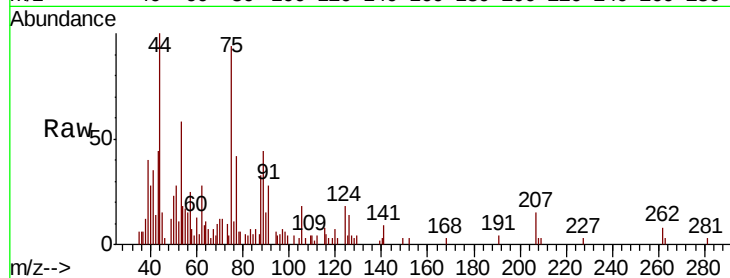
75 100

53 61.6 51.6 77.4

89 47.4 36.7 55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.898 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060564.D

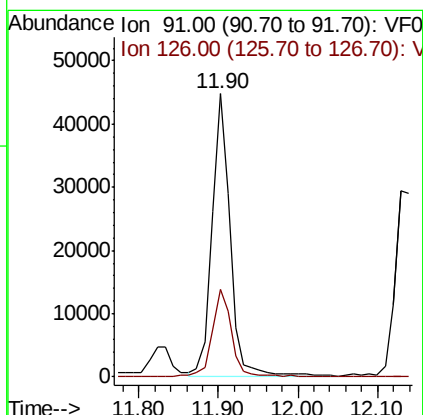
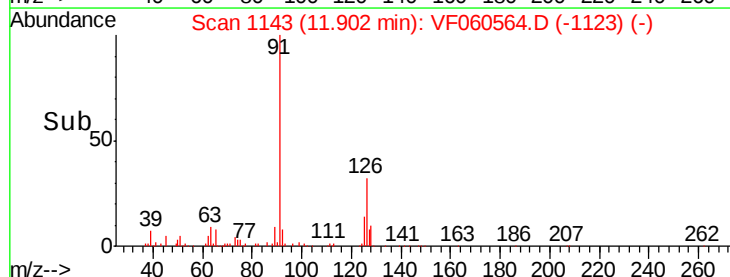
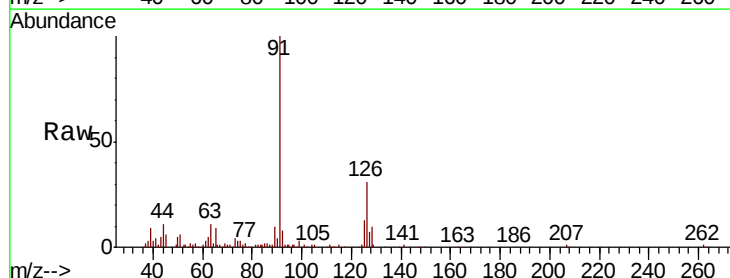
Acq: 2 Nov 2018 16:49

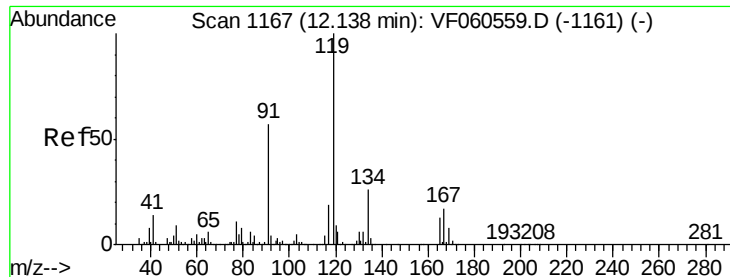
Tgt Ion: 91 Resp: 71424

Ion Ratio Lower Upper

91 100

126 30.8 15.9 47.7





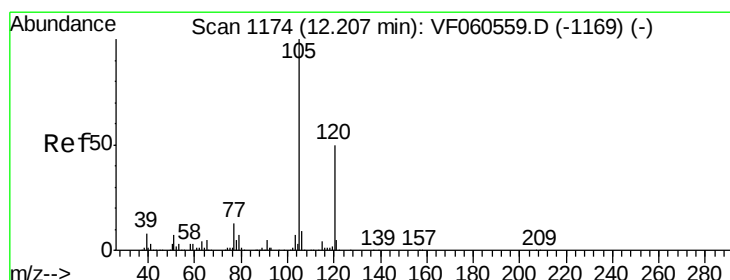
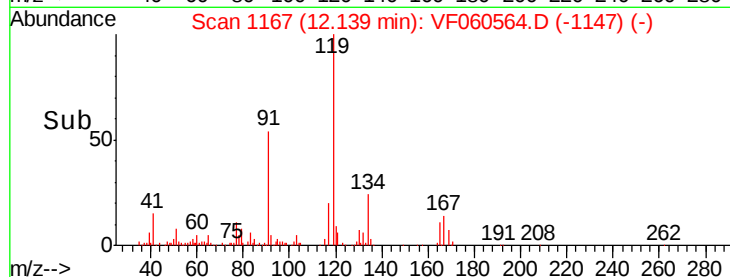
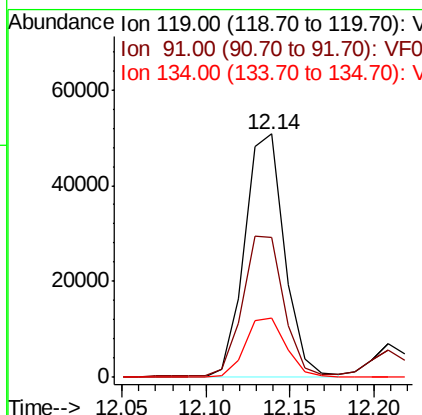
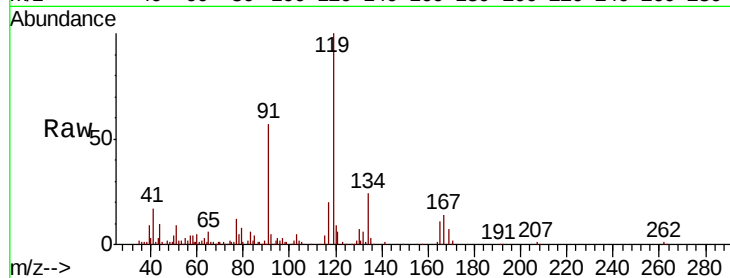
#83
tert-Butylbenzene
Concen: 5.987 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	28.8	86.4
134	24.5	13.2	39.6

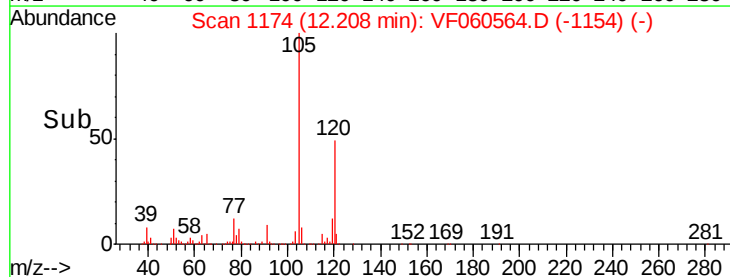
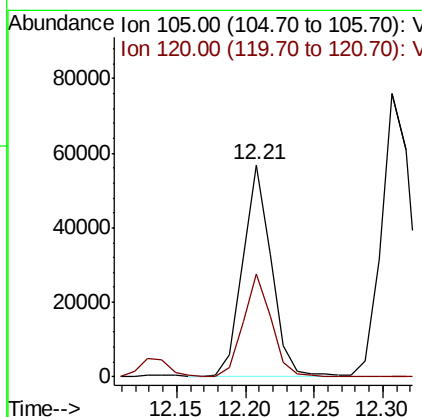
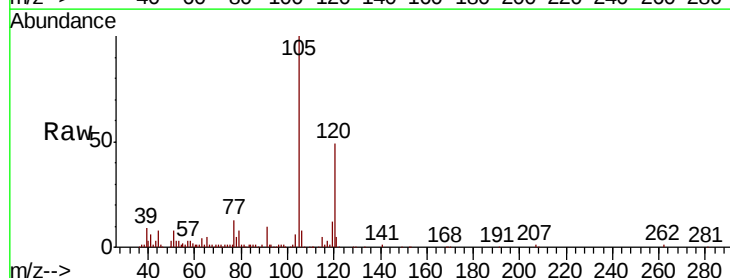
Manual Integrations
APPROVED

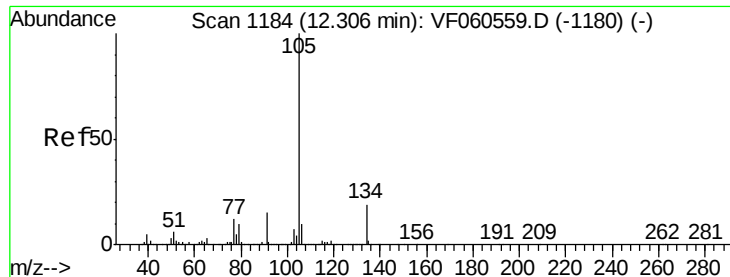
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.677 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	25.6	76.8





#85

sec-Butylbenzene

Concen: 5.898 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 115843

Ion Ratio Lower Upper

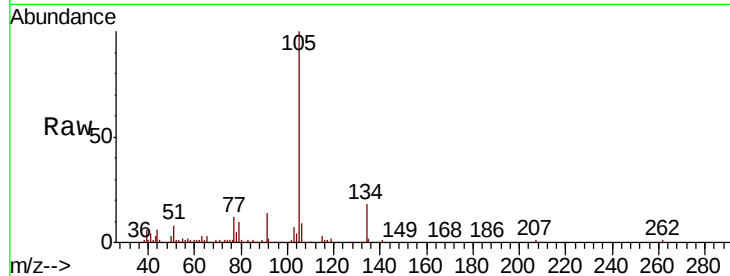
105 100

134 17.9 9.7 29.1

Manual Integrations
APPROVED

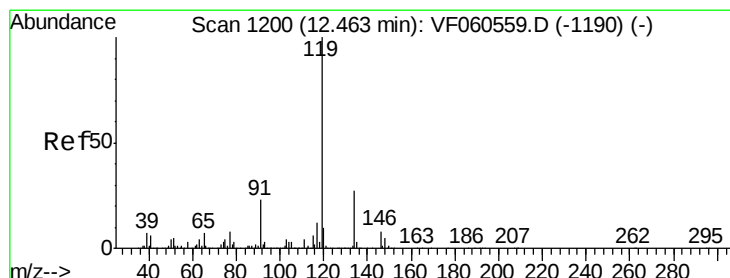
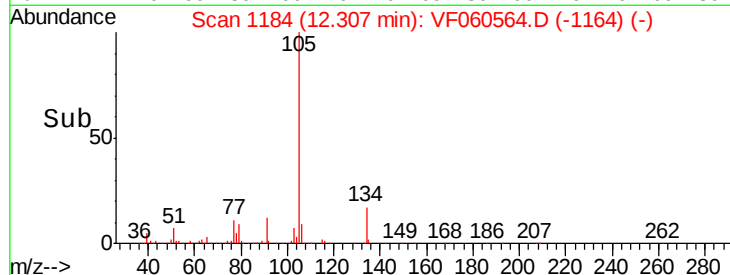
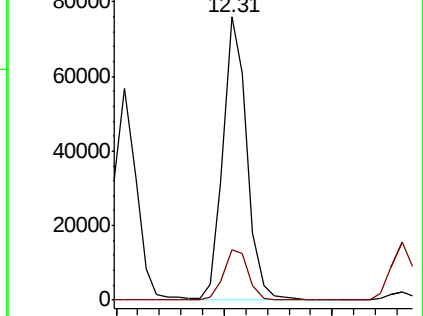
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.704 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

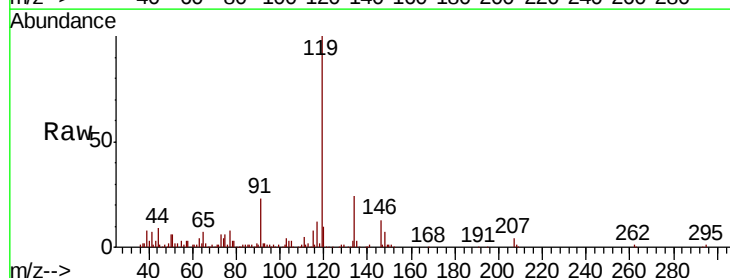
Tgt Ion:119 Resp: 91872

Ion Ratio Lower Upper

119 100

134 24.2 13.6 40.7

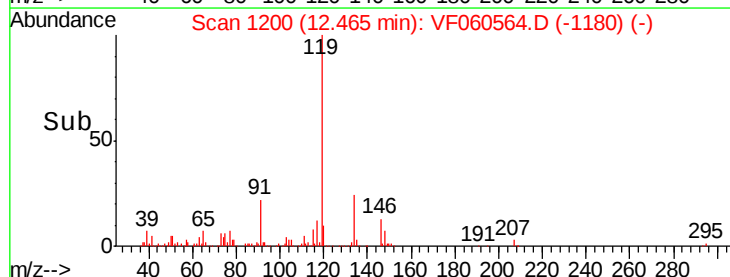
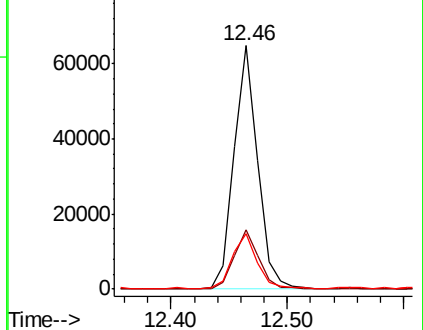
91 22.6 11.4 34.2

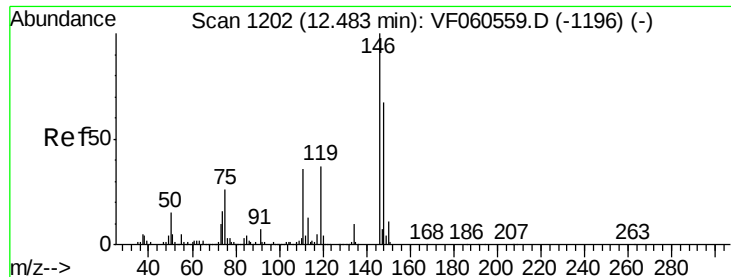


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.890 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Instrument :

MSVOA_F

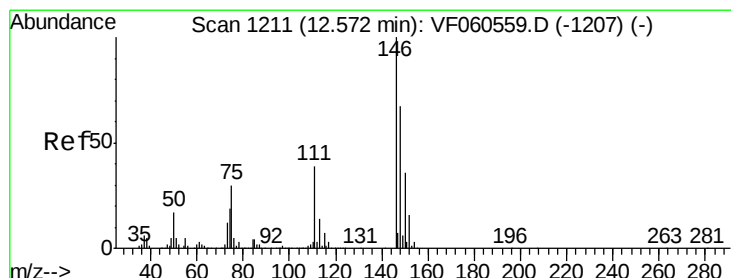
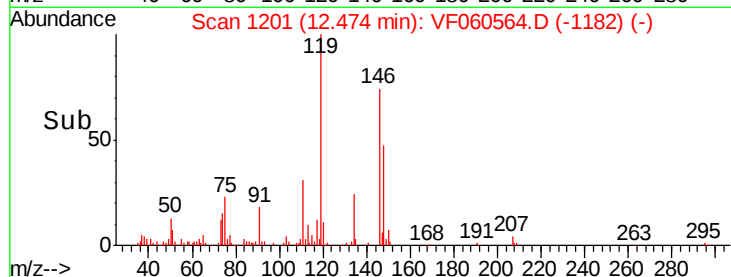
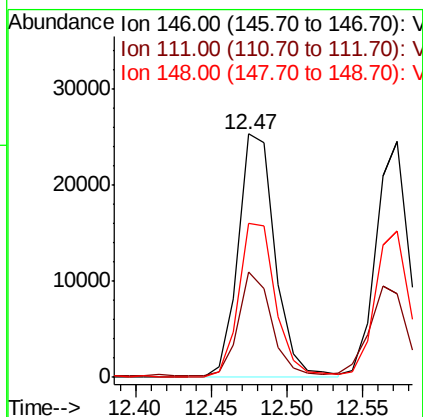
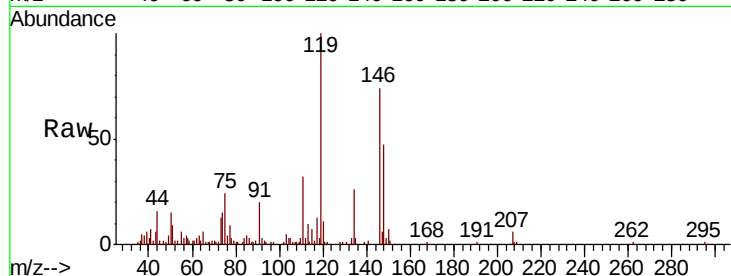
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	18.3	54.8
148	63.2	33.5	100.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.680 ug/l

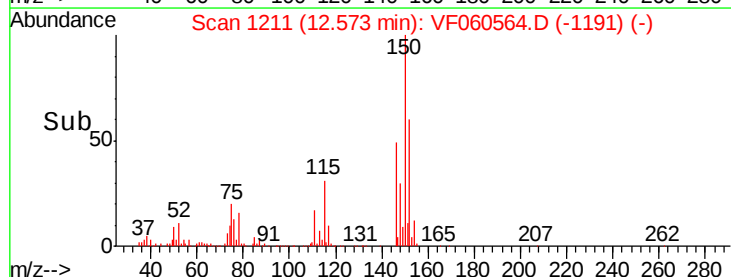
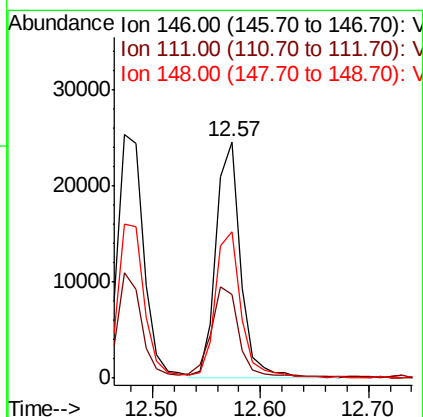
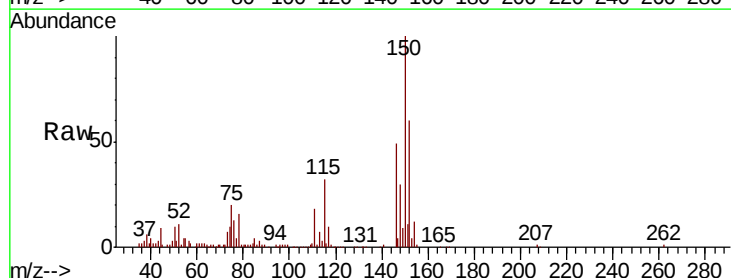
RT: 12.57 min Scan# 1211

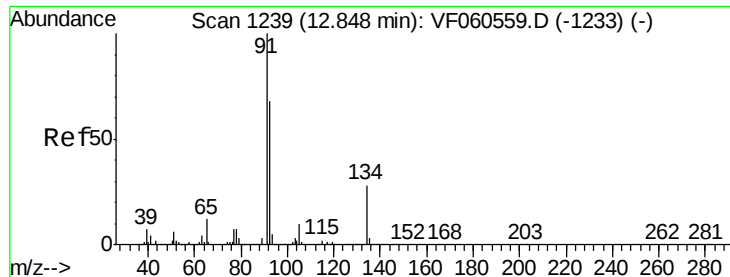
Delta R.T. 0.00 min

Lab File: VF060564.D

Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.7	59.1
148	61.7	33.7	101.1





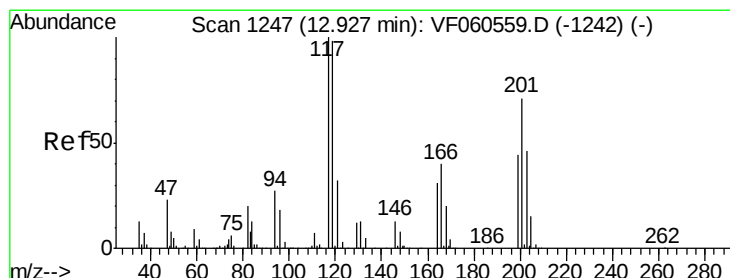
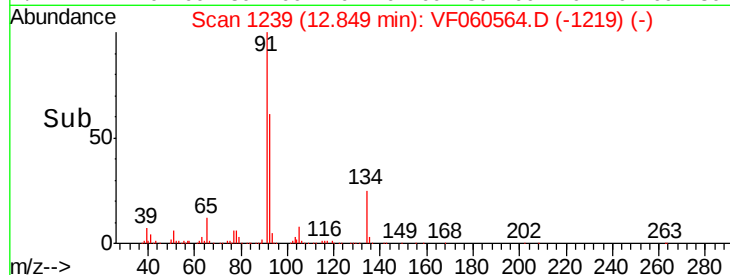
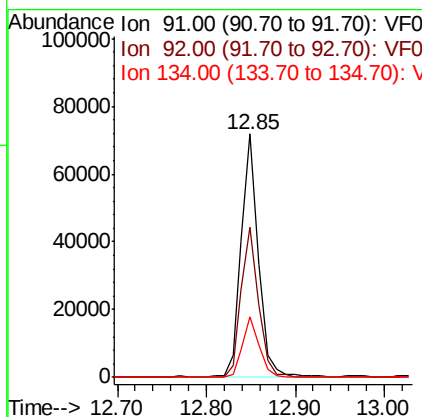
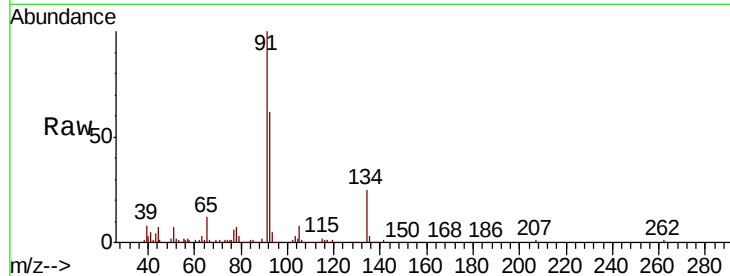
#89
n-Butylbenzene
Concen: 5.728 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.6	34.1	102.2
134	24.6	13.9	41.6

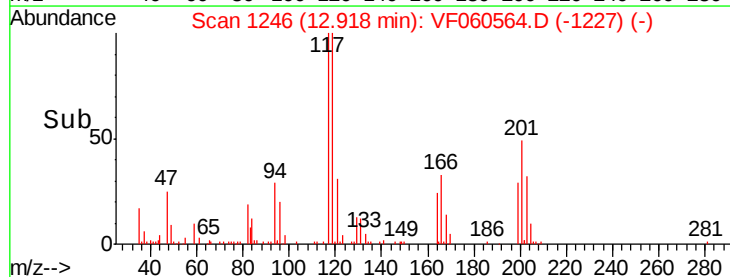
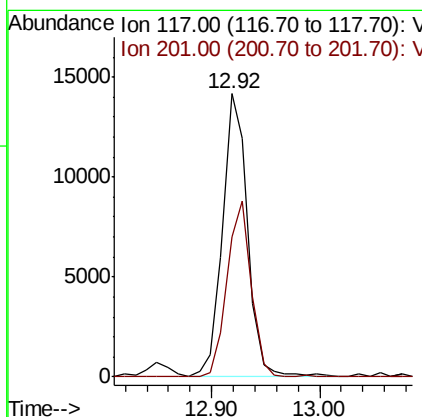
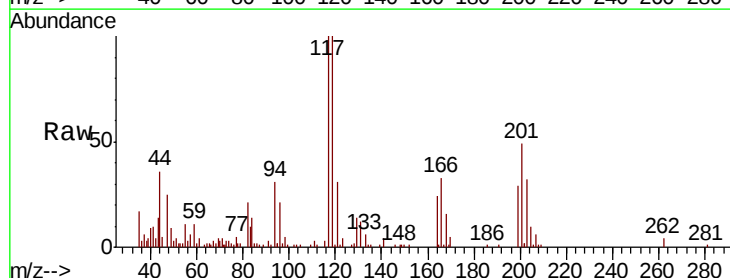
Manual Integrations
APPROVED

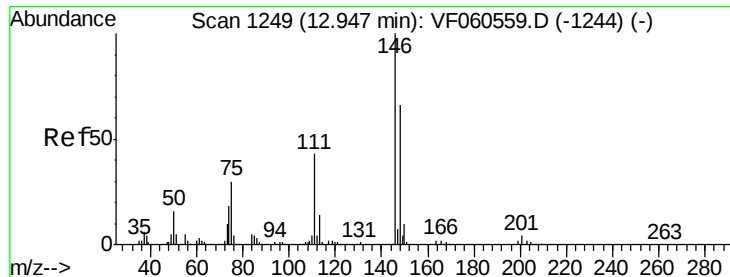
MMDadoda
11/5/2018 3:55:39 PM



#90
Hexachloroethane
Concen: 5.530 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.2	35.2	105.6





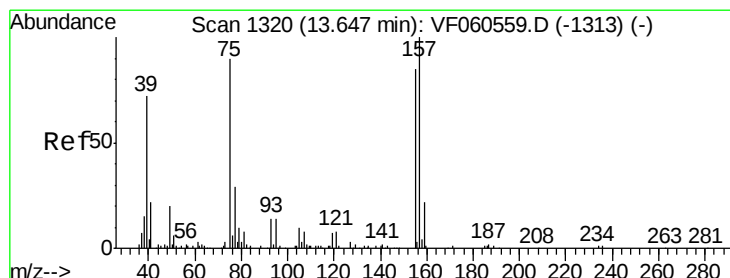
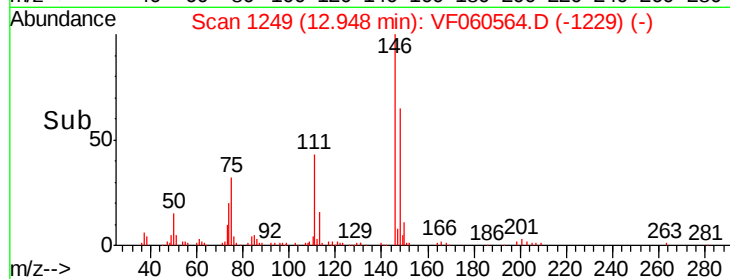
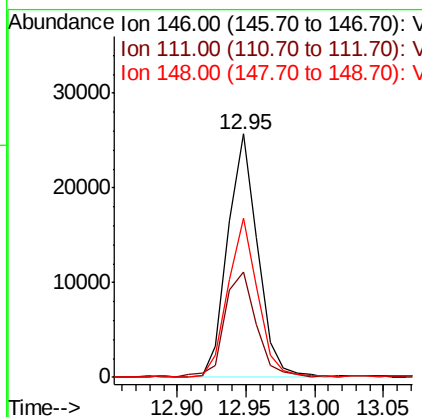
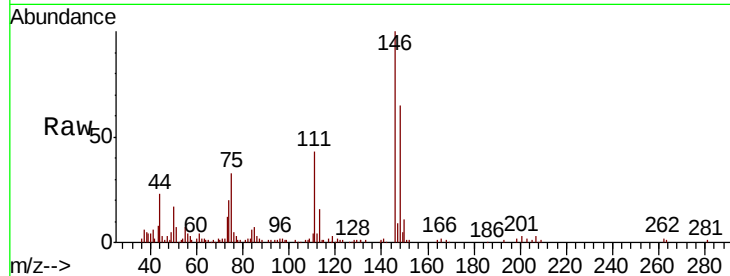
#91
 1,2-Dichlorobenzene
 Concen: 5.710 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	65.3	32.9	98.7

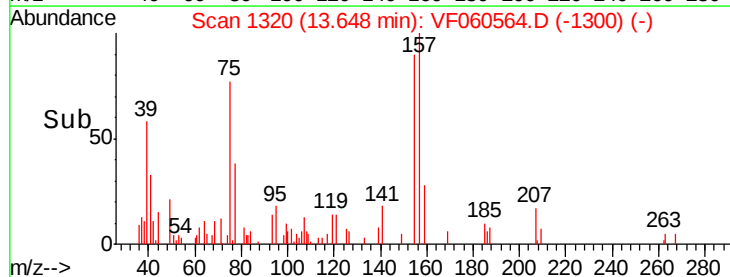
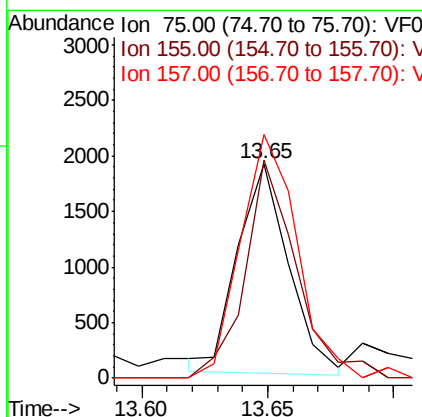
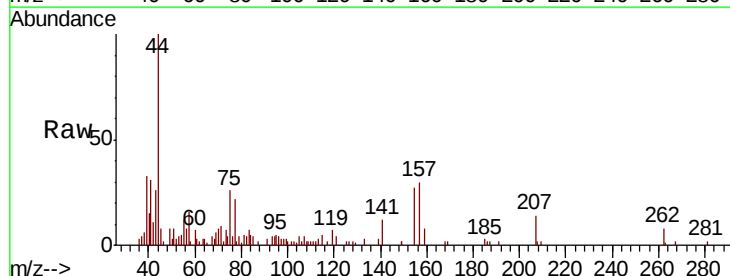
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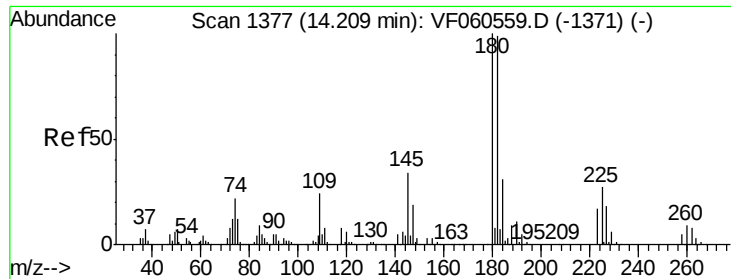
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.703 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	47.3	141.8
157	113.4	55.3	165.9





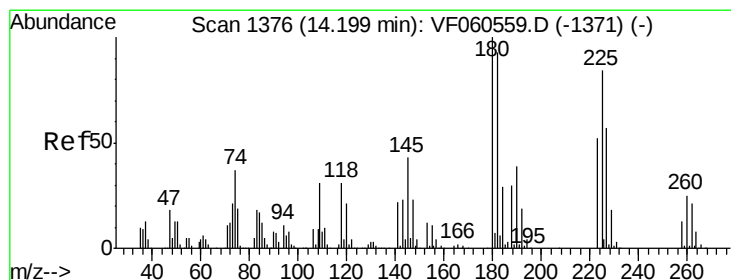
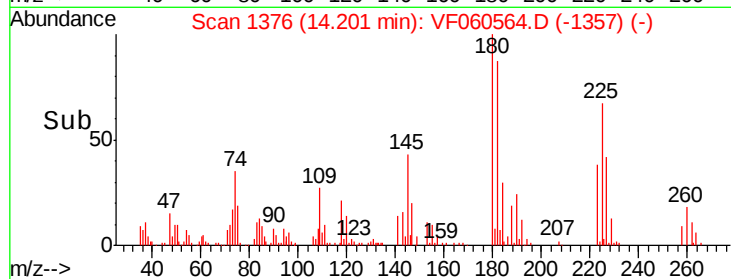
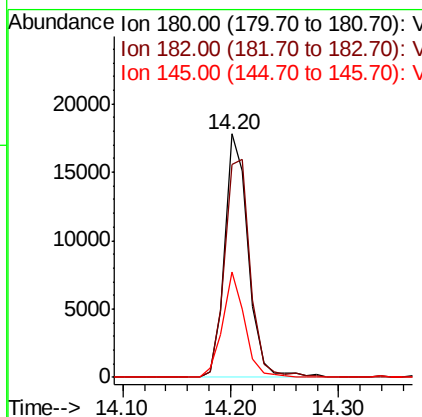
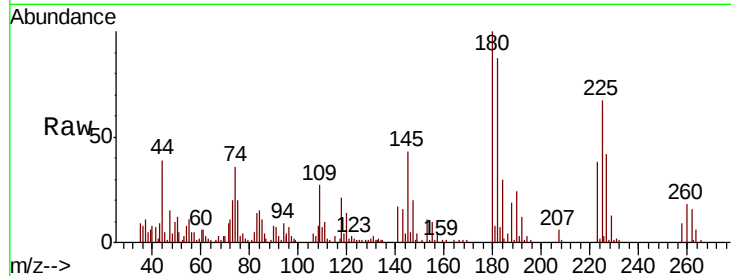
#93
 1,2,4-Trichlorobenzene
 Concen: 5.332 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27059		
182	87.4	49.7	149.1	
145	43.5	16.9	50.7	

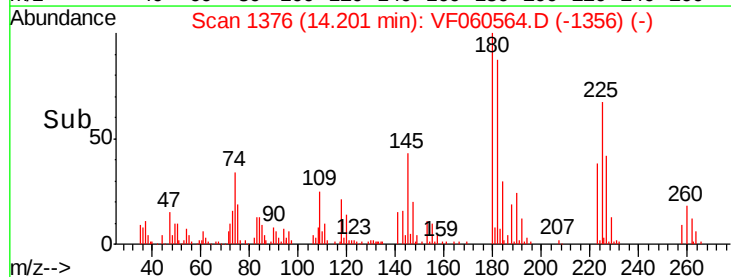
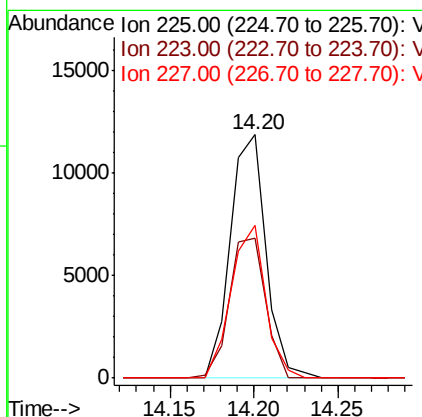
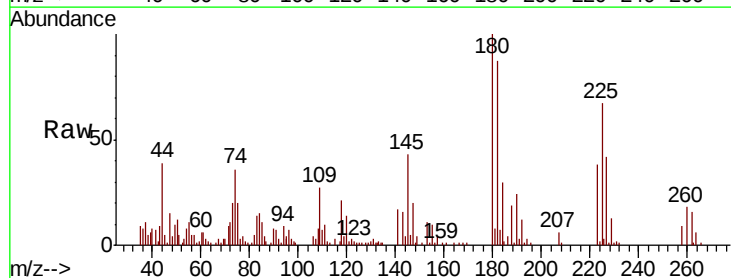
Manual Integrations
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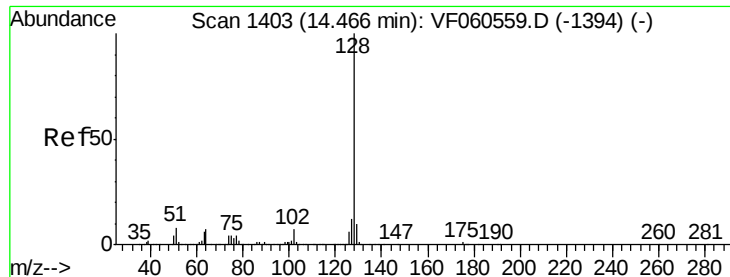
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 4.919 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060564.D
 Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17470		
223	57.3	30.9	92.5	
227	62.6	33.9	101.6	





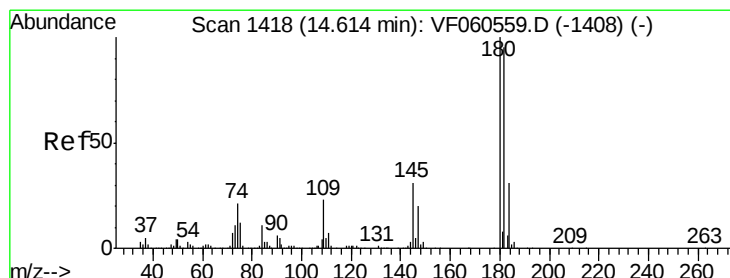
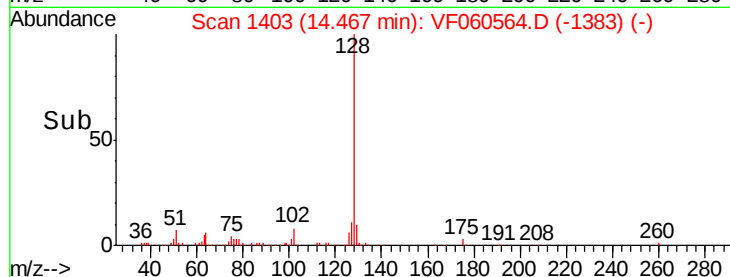
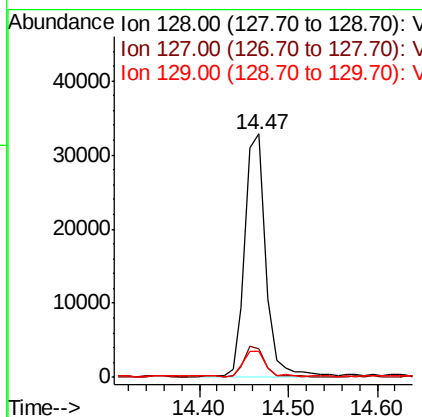
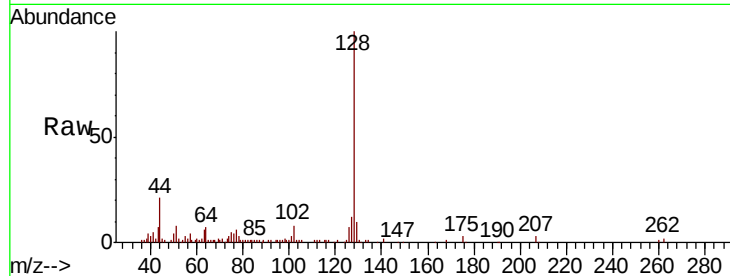
#95
Naphthalene
Concen: 5.949 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.4	14.0
129	10.5	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.251 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060564.D
Acq: 2 Nov 2018 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	39.4	15.6	46.8

