

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060708.D
 Acq On : 13 Nov 2018 12:06
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:31 AM

Quant Time: Nov 14 02:55:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	239767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	392780	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	376943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	215348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	26819	9.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.62%	
35) Dibromofluoromethane	4.13	113	30981	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
50) Toluene-d8	7.57	98	88653	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
62) 4-Bromofluorobenzene	11.42	95	43466	10.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	45349	10.568	ug/l	95
3) Chloromethane	1.10	50	28055	10.542	ug/l	95
4) Vinyl Chloride	1.15	62	23797	9.996	ug/l	96
5) Bromomethane	1.31	94	15373	10.166	ug/l	89
6) Chloroethane	1.39	64	9669	10.381	ug/l	96
7) Trichlorofluoromethane	1.50	101	55342	10.506	ug/l	92
8) Diethyl Ether	1.63	74	6730	9.978	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	26849	10.823	ug/l	90
10) Methyl Iodide	1.90	142	40474m	10.607	ug/l	
11) Tert butyl alcohol	2.57	59	6521	52.393	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	19983	10.216	ug/l	93
13) Acrolein	2.01	56	6851	60.200	ug/l	89
14) Allyl chloride	2.10	41	39157	11.426	ug/l	92
15) Acrylonitrile	2.95	53	12865	48.508	ug/l	99
16) Acetone	2.25	43	28340	48.482	ug/l	98
17) Carbon Disulfide	1.83	76	61307	10.377	ug/l	98
18) Methyl Acetate	2.35	43	10765m	10.323	ug/l	
19) Methyl tert-butyl Ether	2.43	73	43362	9.240	ug/l	95
20) Methylene Chloride	2.19	84	24084m	10.894	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	21629	10.583	ug/l #	94
22) Diisopropyl ether	2.81	45	64739	9.785	ug/l	96
23) Vinyl Acetate	3.20	43	148822	47.769	ug/l	98
24) 1,1-Dichloroethane	2.88	63	39974	9.980	ug/l	98
25) 2-Butanone	4.35	43	48878	50.836	ug/l #	87
26) 2,2-Dichloropropane	3.61	77	34782	11.035	ug/l	90
27) cis-1,2-Dichloroethene	3.49	96	35989	10.352	ug/l	93
28) Bromochloromethane	3.73	49	19834	9.528	ug/l	97
29) Tetrahydrofuran	4.09	42	20677	52.136	ug/l	98
30) Chloroform	3.87	83	66725	10.383	ug/l	90
31) Cyclohexane	3.70	56	50526	10.393	ug/l	92
32) 1,1,1-Trichloroethane	4.11	97	50898	10.057	ug/l	96
36) 1,1-Dichloropropene	4.29	75	48266	10.596	ug/l	99
37) Ethyl Acetate	4.12	43	17279	10.203	ug/l	95
38) Carbon Tetrachloride	3.99	117	47091	10.654	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	55953	10.587	ug/l	98
40) Benzene	4.65	78	108406	10.676	ug/l	100
41) Methacrylonitrile	4.76	41	14581	14.212	ug/l #	90
42) 1,2-Dichloroethane	4.96	62	36152	10.302	ug/l	97
43) Isopropyl Acetate	6.97	43	22460	10.002	ug/l #	89
44) Trichloroethene	5.51	130	35530	11.090	ug/l	87
45) 1,2-Dichloropropane	6.25	63	29643	11.218	ug/l	94
46) Dibromomethane	6.10	93	18266	10.472	ug/l	94
47) Bromodichloromethane	6.40	83	45345	10.180	ug/l	96
48) Methyl methacrylate	6.72	41	14982	10.082	ug/l	93
49) 1,4-Dioxane	6.73	88	2634	189.518	ug/l	91
51) 4-Methyl-2-Pentanone	8.27	43	87366	53.796	ug/l	94
52) Toluene	7.64	92	73794	10.845	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	37670	10.559	ug/l	95
54) cis-1,3-Dichloropropene	7.32	75	50094	10.810	ug/l	92
55) 1,1,2-Trichloroethane	8.51	97	20026	10.300	ug/l	92
56) Ethyl methacrylate	8.64	69	22375	10.133	ug/l	98
57) 1,3-Dichloropropane	8.88	76	34941	10.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.64	63	11159	55.323	ug/l	100
59) 2-Hexanone	9.51	43	63592	55.718	ug/l	99
60) Dibromochloromethane	8.73	129	29578	10.674	ug/l	96
61) 1,2-Dibromoethane	9.00	107	20904	10.223	ug/l	99
64) Tetrachloroethene	8.17	164	29919	10.023	ug/l	97
65) Chlorobenzene	9.81	112	80766	10.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	34650	10.444	ug/l	99
67) Ethyl Benzene	9.92	91	153021	10.673	ug/l	97
68) m/p-Xylenes	10.15	106	112407	21.938	ug/l	98
69) o-Xylene	10.73	106	62431	10.837	ug/l	92
70) Styrene	10.80	104	85047	10.878	ug/l	96
71) Bromoform	10.79	173	13746	9.214	ug/l #	85
73) Isopropylbenzene	11.13	105	183007	10.558	ug/l	95
74) N-amyl acetate	11.38	43	41793	10.591	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.71	83	29966	10.456	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	20856	9.799	ug/l	89
77) Bromobenzene	11.51	156	36992	10.252	ug/l	94
78) n-propylbenzene	11.61	91	224662	11.113	ug/l	95
79) 2-Chlorotoluene	11.74	91	126471	10.764	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	147579	10.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	10849m	10.624	ug/l	
82) 4-Chlorotoluene	11.91	91	125619	10.436	ug/l	97
83) tert-Butylbenzene	12.14	119	157421	10.774	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	150009	10.540	ug/l	92
85) sec-Butylbenzene	12.32	105	215005	10.847	ug/l	97
86) p-Isopropyltoluene	12.48	119	184393	11.139	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	79152	11.023	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	72476	10.502	ug/l	95
89) n-Butylbenzene	12.85	91	193740	11.468	ug/l	93
90) Hexachloroethane	12.93	117	41109	10.153	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	72329	10.698	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	4879	9.058	ug/l	91

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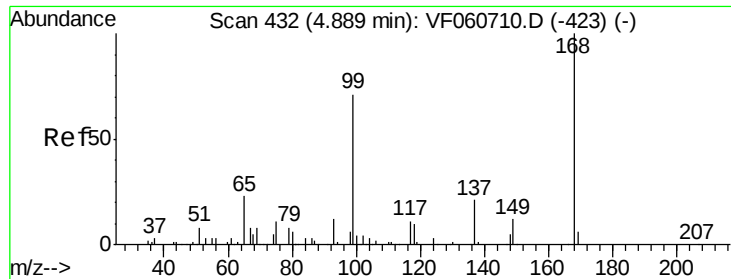
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	52014	10.704	ug/l	92
94) Hexachlorobutadiene	14.20	225	32824	10.337	ug/l	95
95) Naphthalene	14.47	128	89132	10.052	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	44834	9.985	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 239767

Ion Ratio Lower Upper

168 100

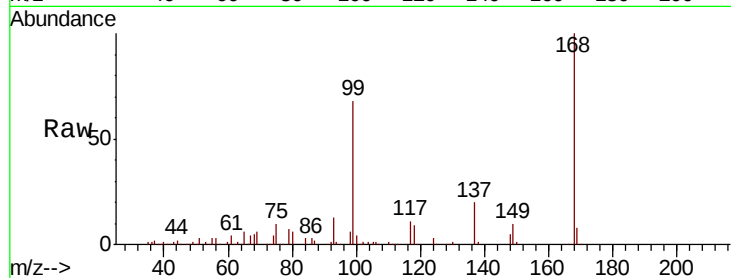
99 67.6 57.2 85.8

Manual Integrations

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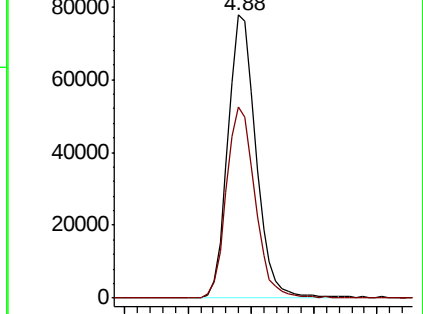
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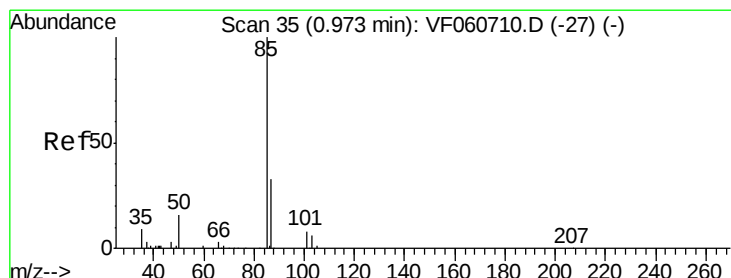
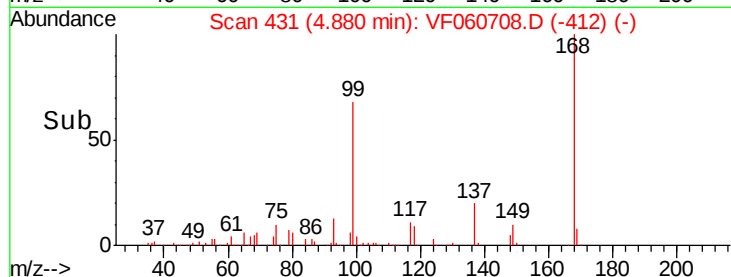


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 10.568 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060708.D

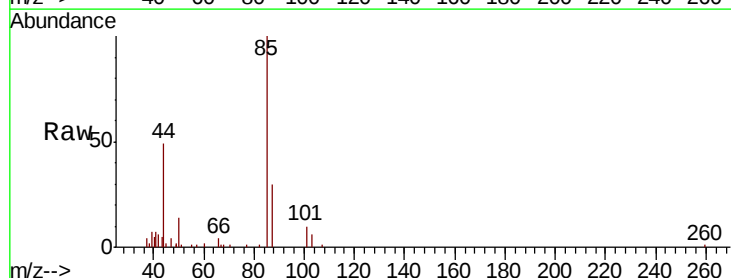
Acq: 13 Nov 2018 12:06

Tgt Ion: 85 Resp: 45349

Ion Ratio Lower Upper

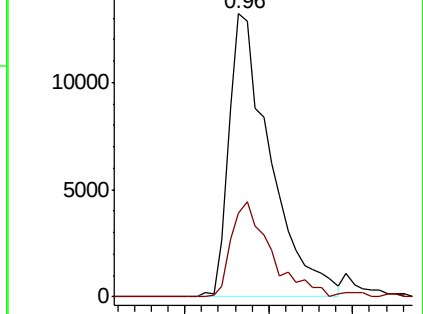
85 100

87 29.6 16.3 48.9

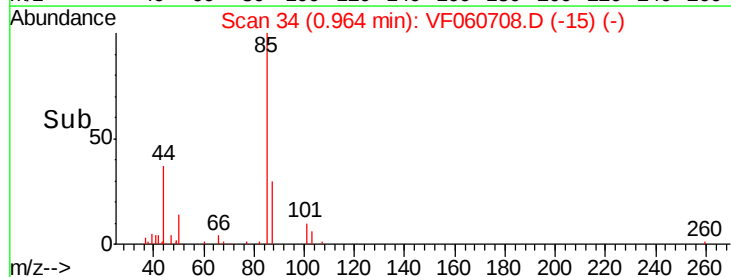


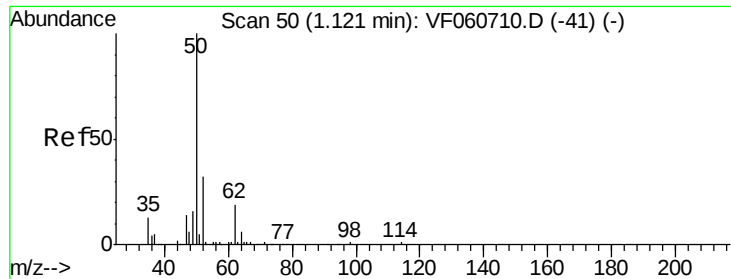
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#3

Chloromethane

Concen: 10.542 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 28055

Ion Ratio Lower Upper

50 100

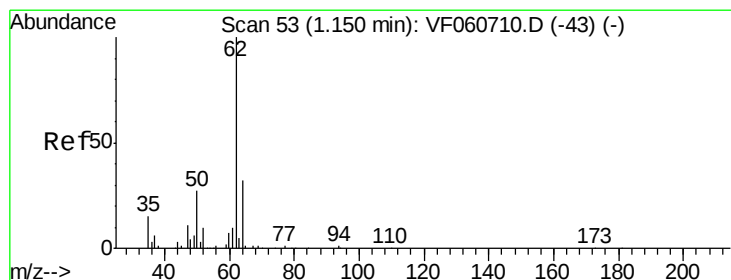
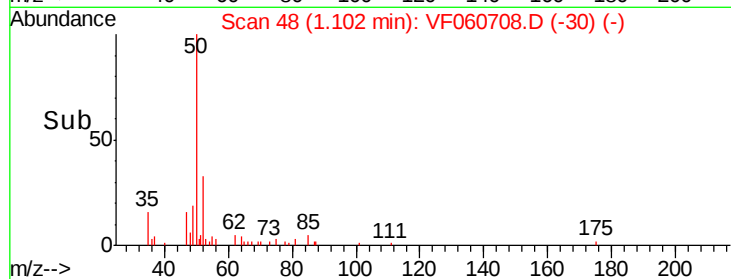
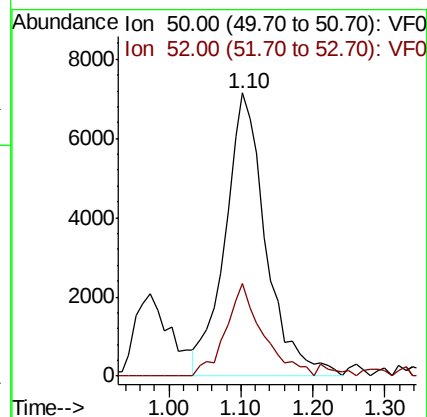
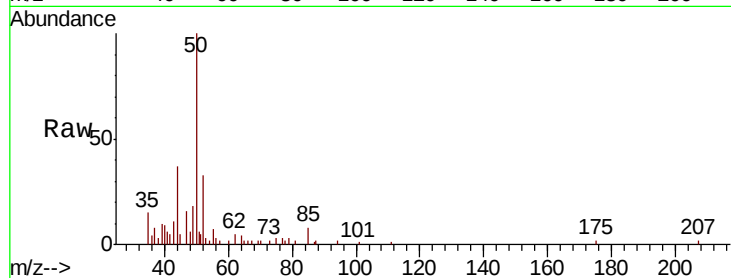
52 32.8 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.996 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060708.D

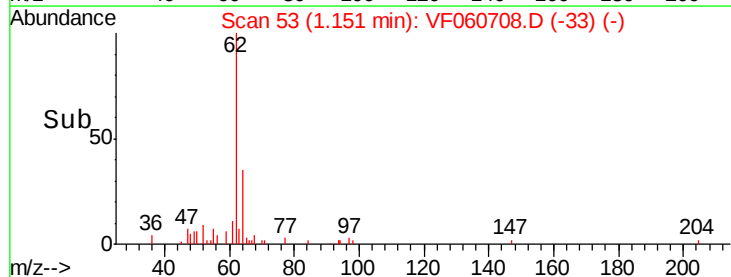
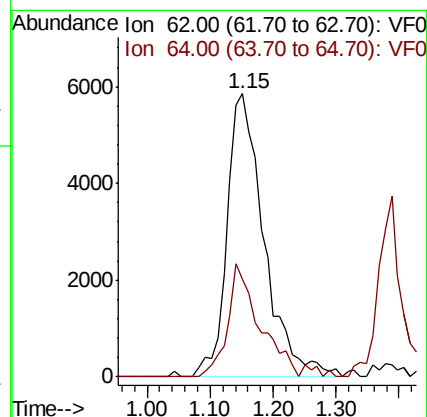
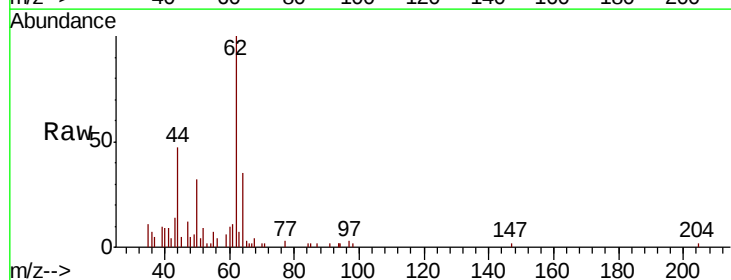
Acq: 13 Nov 2018 12:06

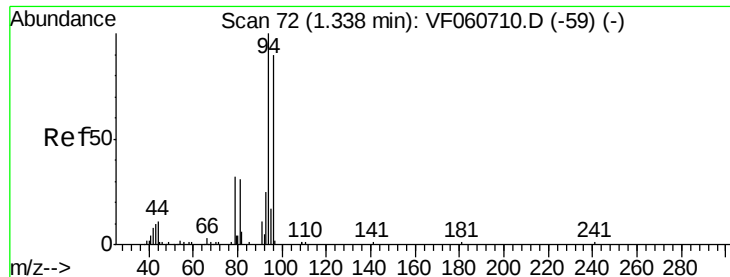
Tgt Ion: 62 Resp: 23797

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8





#5

Bromomethane

Concen: 10.166 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 15373

Ion Ratio Lower Upper

94 100

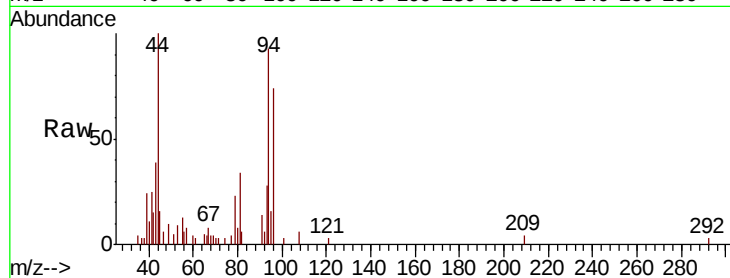
96 79.6 71.9 107.9

Manual Integrations

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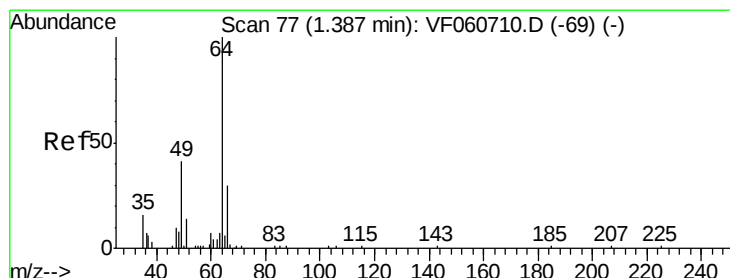
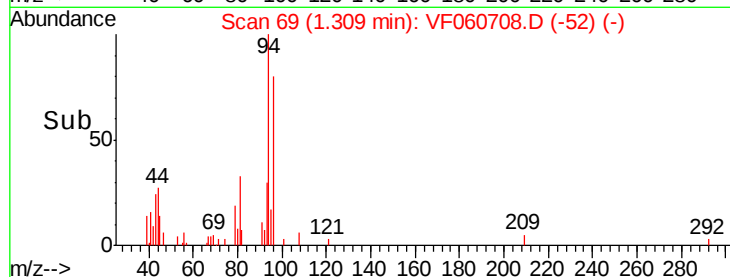
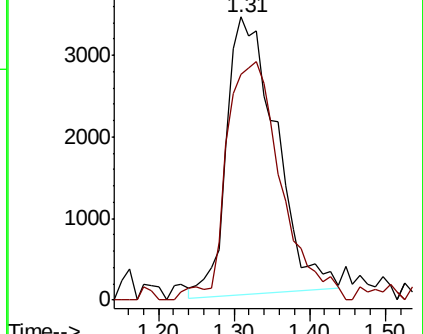
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.381 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060708.D

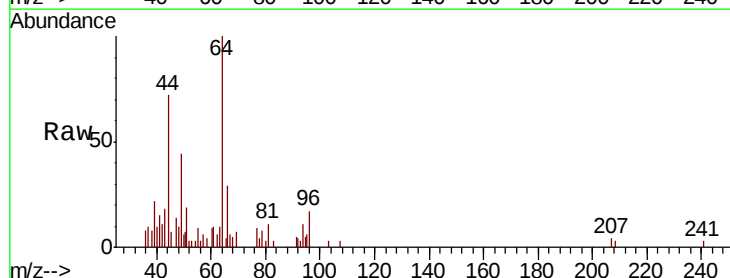
Acq: 13 Nov 2018 12:06

Tgt Ion: 64 Resp: 9669

Ion Ratio Lower Upper

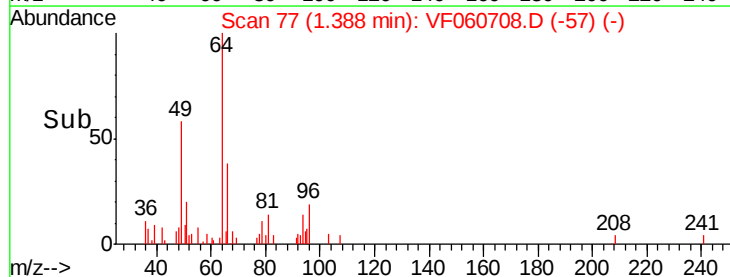
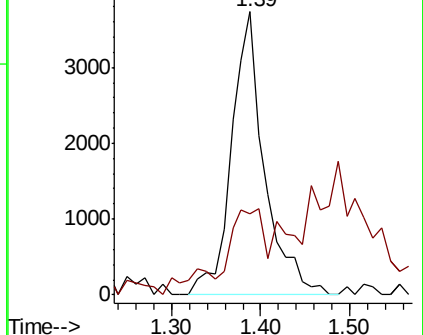
64 100

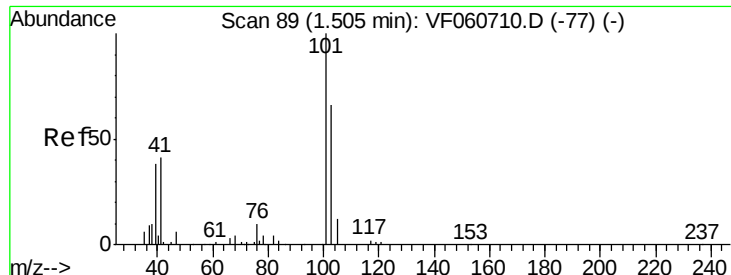
66 28.6 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 10.506 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 55342

Ion Ratio Lower Upper

101 100

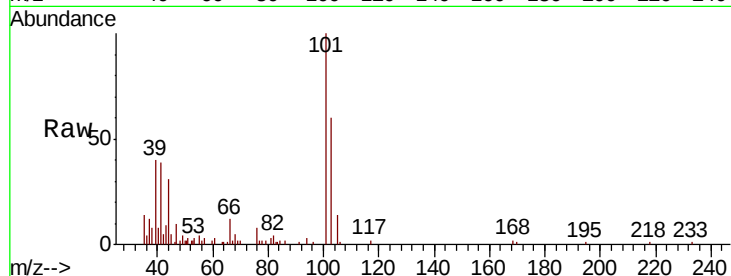
103 60.4 53.1 79.7

Manual Integrations

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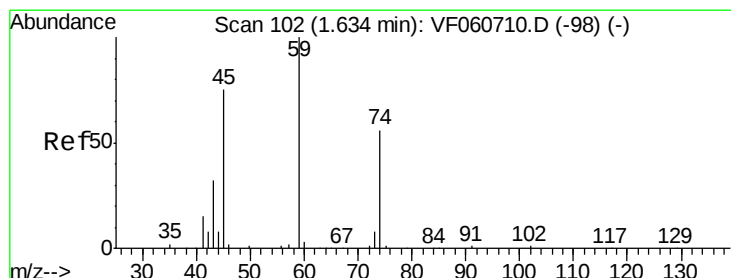
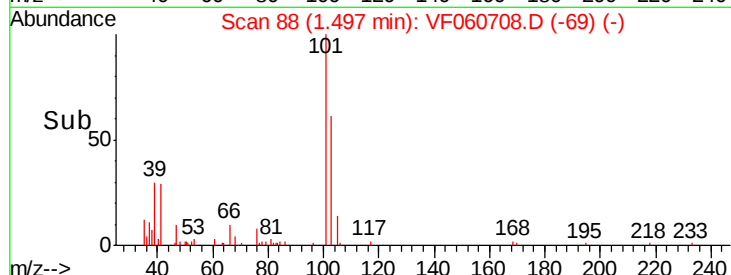
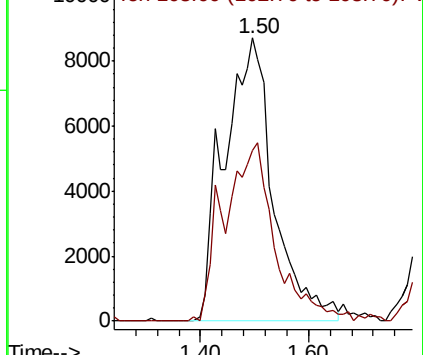
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.978 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060708.D

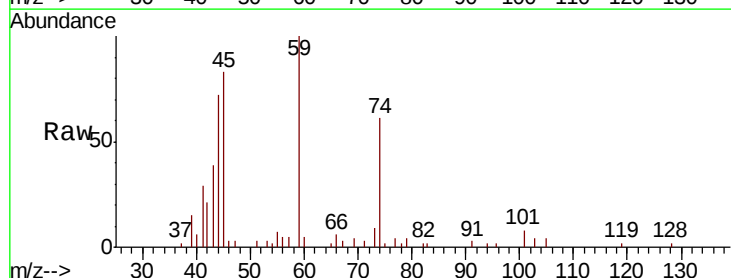
Acq: 13 Nov 2018 12:06

Tgt Ion: 74 Resp: 6730

Ion Ratio Lower Upper

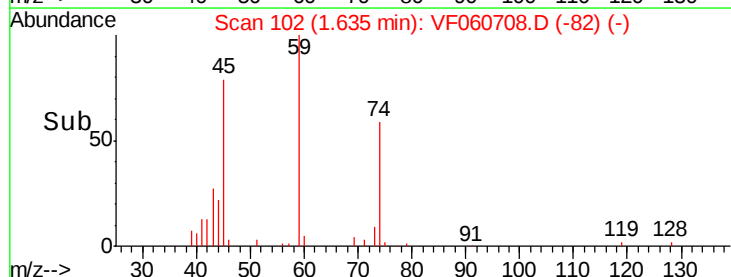
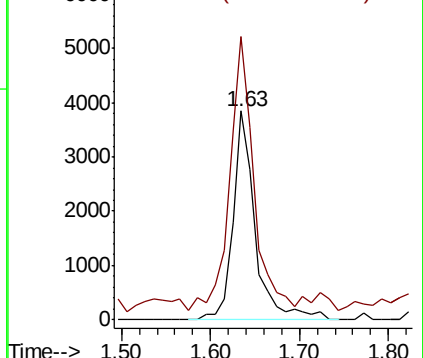
74 100

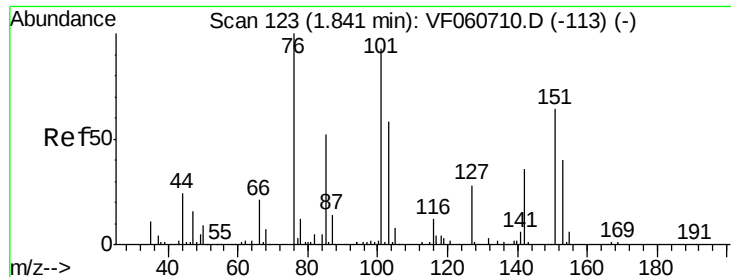
45 135.5 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.823 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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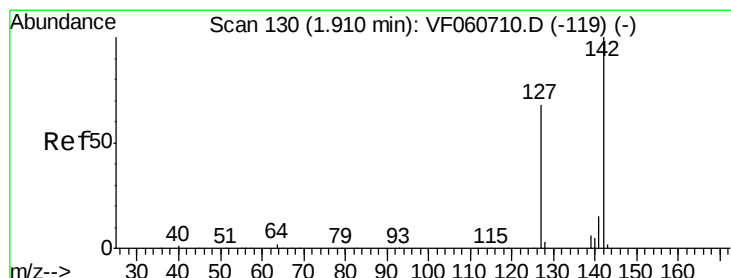
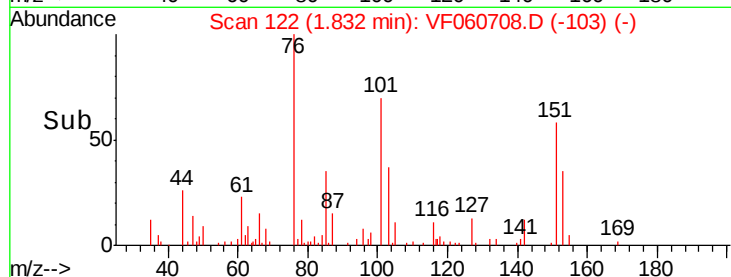
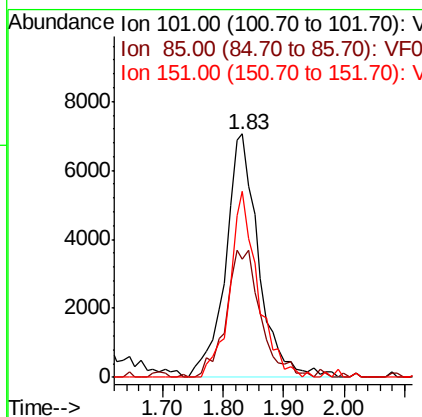
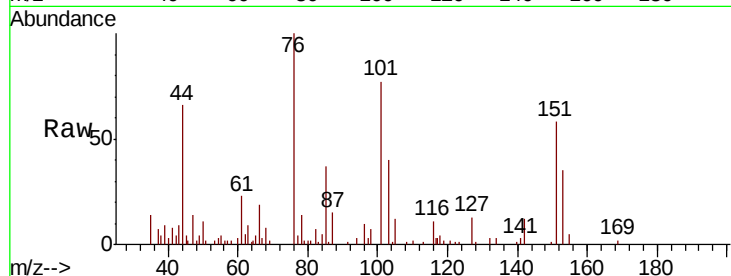
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	26849
Ion Ratio	Lower	Upper	
101	100		
85	48.6	43.6	65.4
151	76.1	53.1	79.7

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#10

Methyl Iodide

Concen: 10.607 ug/l m

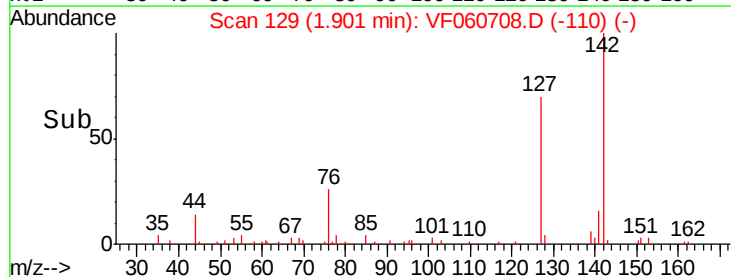
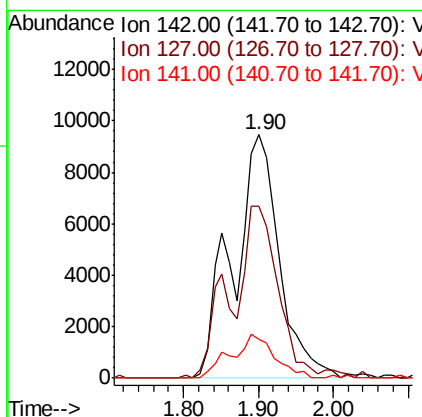
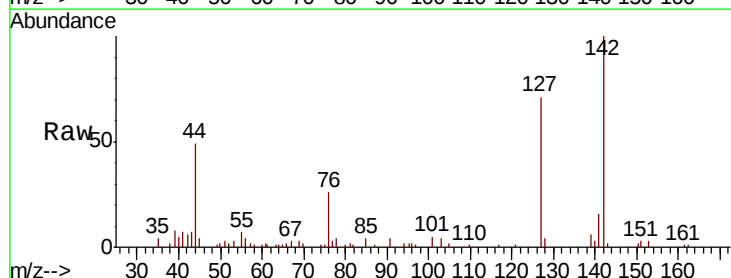
RT: 1.90 min Scan# 129

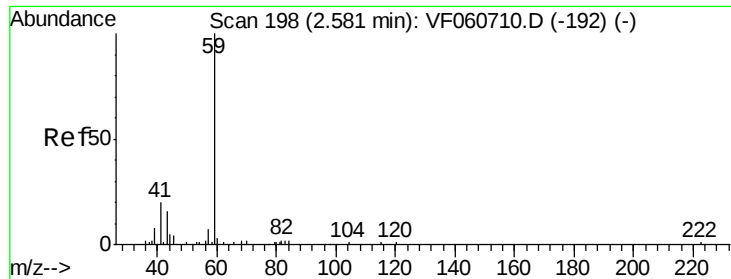
Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	142	Resp:	40474
Ion Ratio	Lower	Upper	
142	100		
127	70.7	54.0	81.0
141	16.1	12.3	18.5





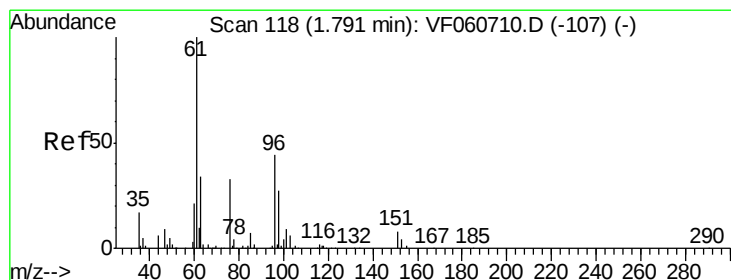
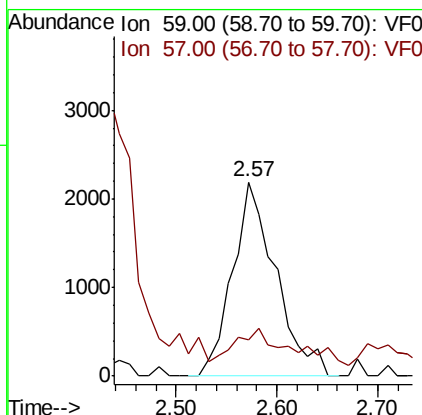
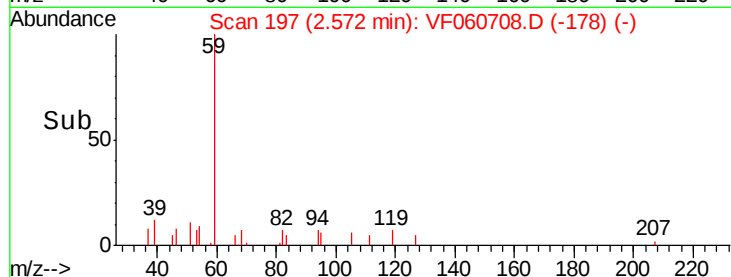
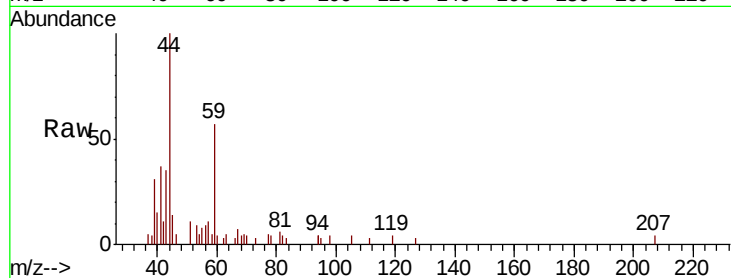
#11
Tert butyl alcohol
Concen: 52.393 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 6521
Ion Ratio Lower Upper
59 100
57 18.6 10.5 15.7#

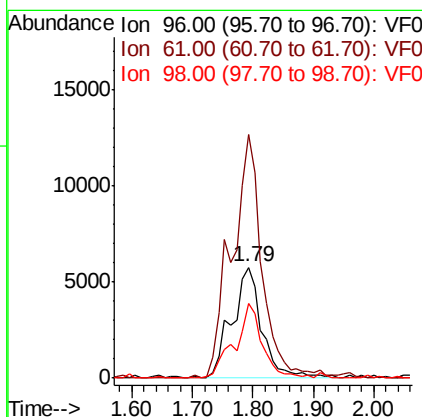
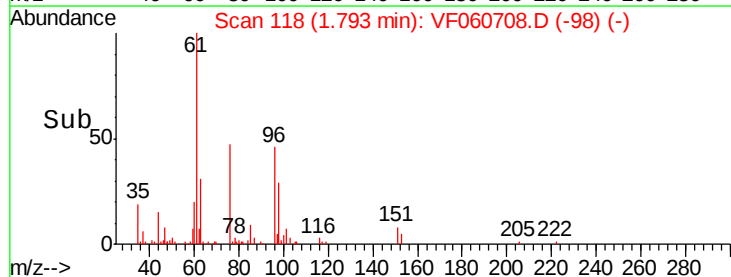
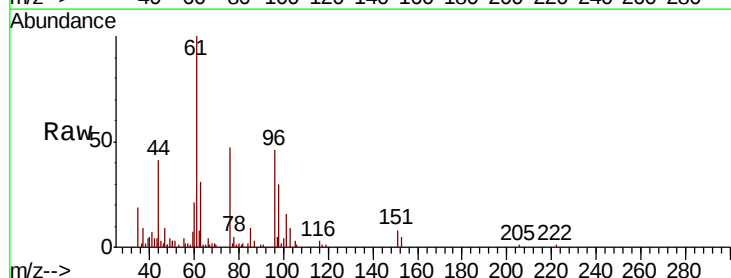
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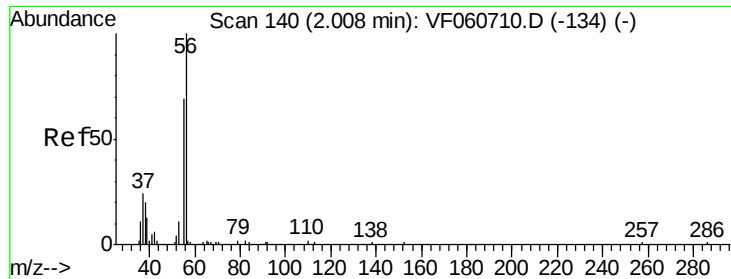
sam
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#12
1,1-Dichloroethene
Concen: 10.216 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion: 96 Resp: 19983
Ion Ratio Lower Upper
96 100
61 219.1 182.2 273.2
98 70.3 49.2 73.8





#13

Acrolein

Concen: 60.200 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 6851

Ion Ratio Lower Upper

56 100

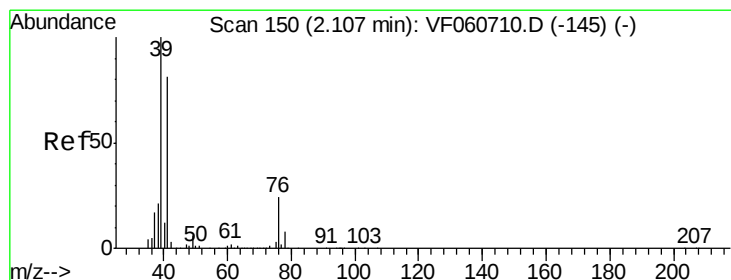
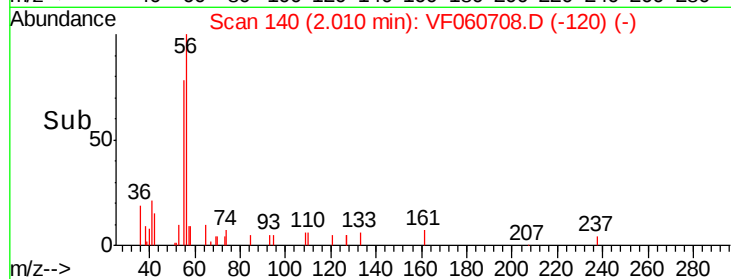
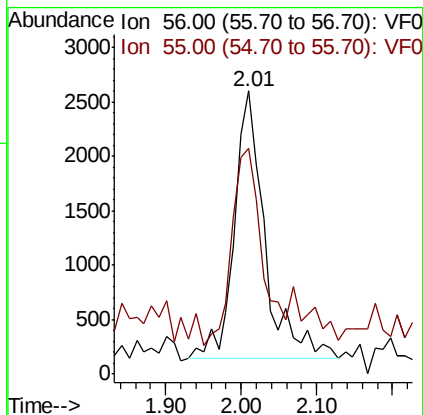
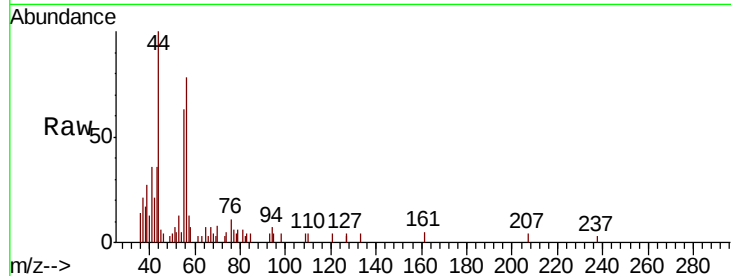
55 79.9 56.6 85.0

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#14

Allyl chloride

Concen: 11.426 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

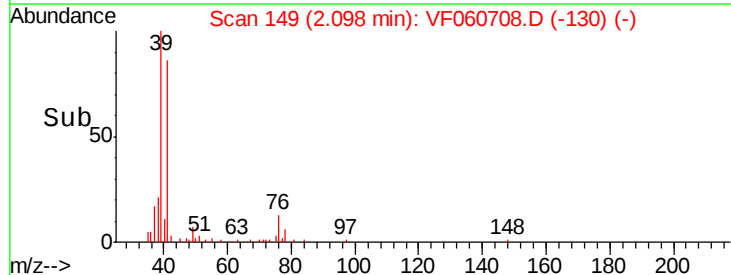
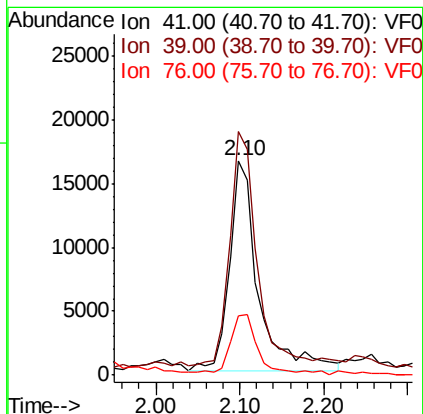
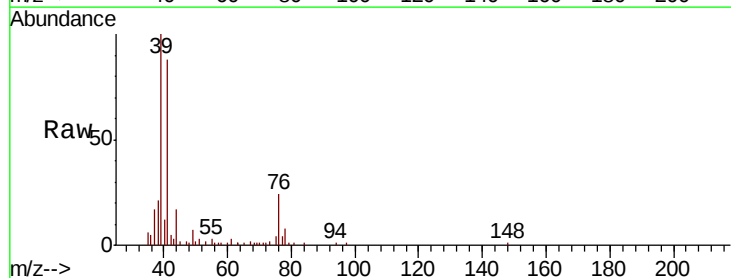
Tgt Ion: 41 Resp: 39157

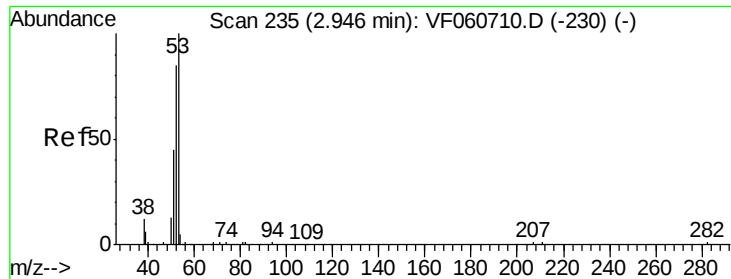
Ion Ratio Lower Upper

41 100

39 113.5 98.5 147.7

76 27.4 24.5 36.7





#15

Acrylonitrile

Concen: 48.508 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

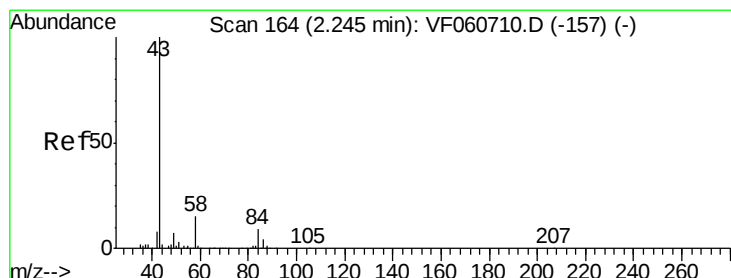
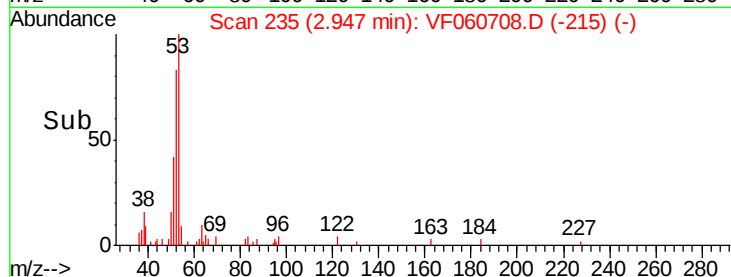
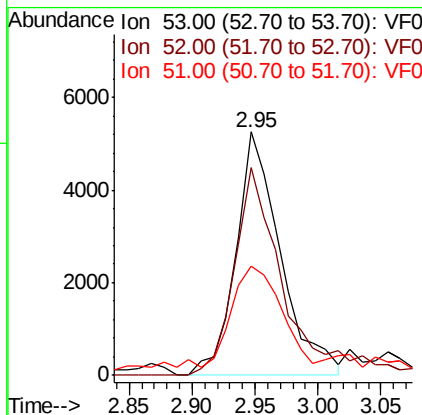
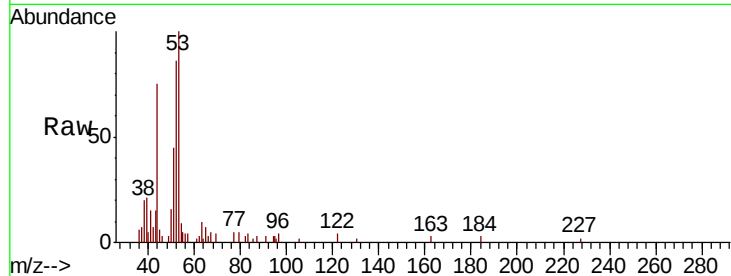
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	12865
Ion	Ratio	Lower	Upper
53	100		
52	85.5	68.8	103.2
51	44.6	36.7	55.1

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#16

Acetone

Concen: 48.482 ug/l

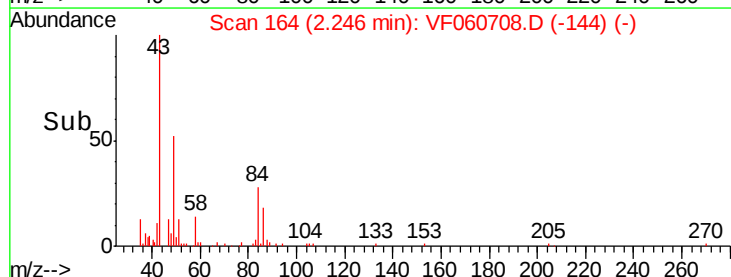
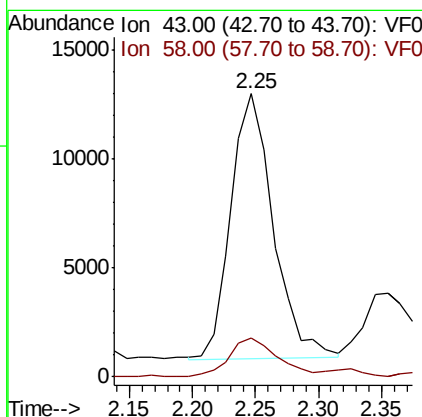
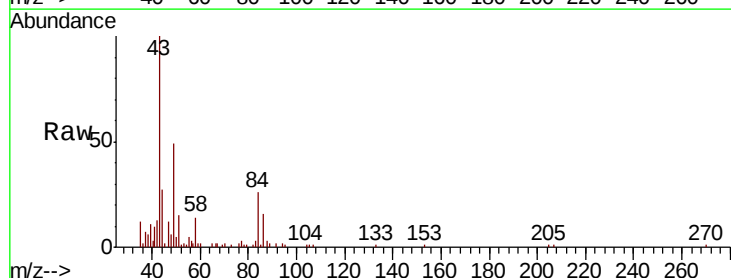
RT: 2.25 min Scan# 164

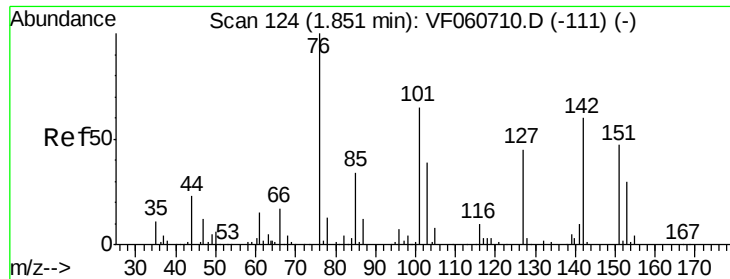
Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	43	Resp:	28340
Ion	Ratio	Lower	Upper
43	100		
58	13.6	11.6	17.4





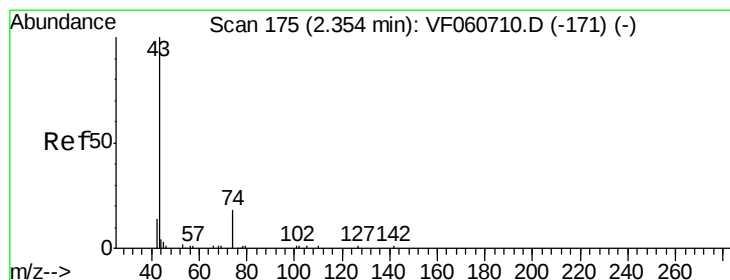
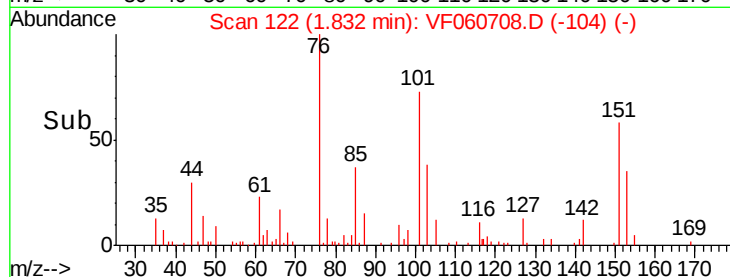
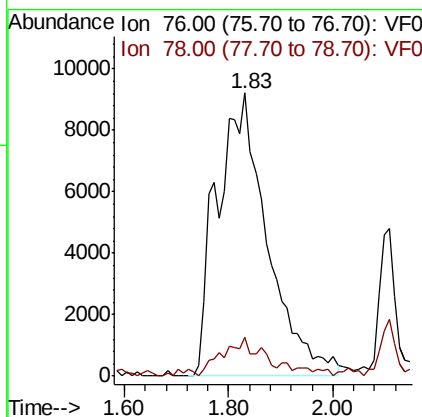
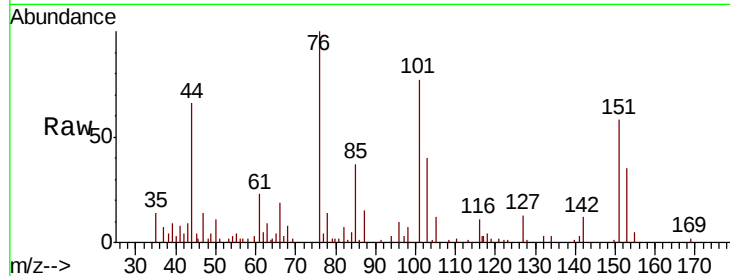
#17
Carbon Disulfide
Concen: 10.377 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 61307
Ion Ratio Lower Upper
76 100
78 13.9 10.5 15.7

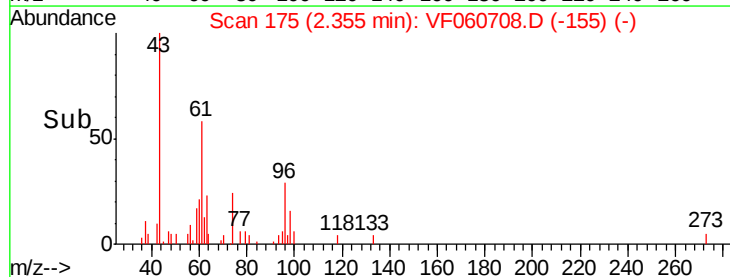
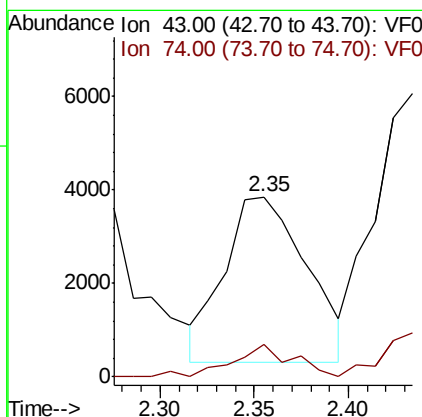
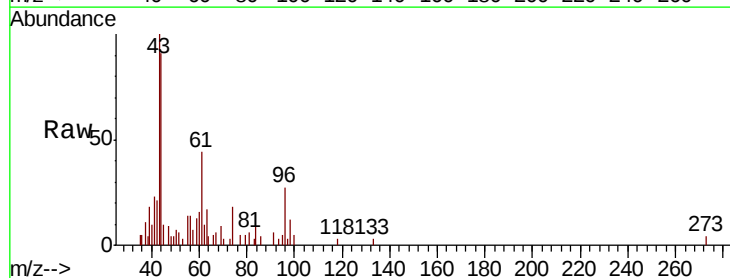
Manual Integrations
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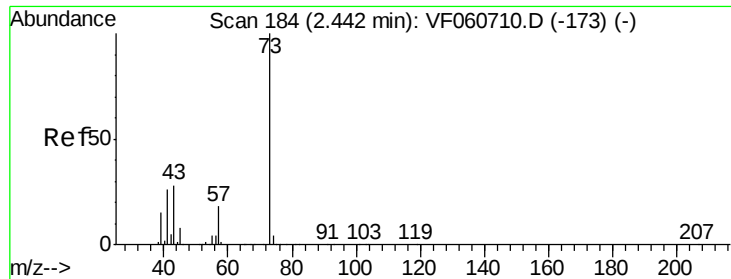
sam
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#18
Methyl Acetate
Concen: 10.323 ug/l m
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion: 43 Resp: 10765
Ion Ratio Lower Upper
43 100
74 18.0 11.8 17.8#





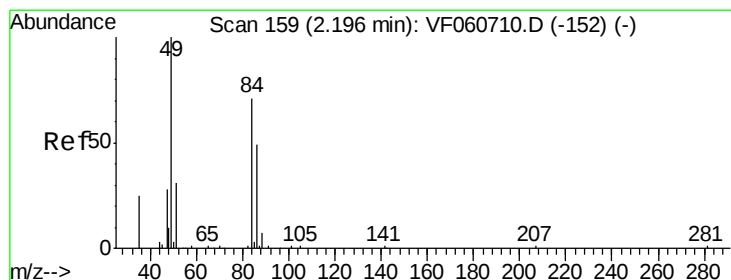
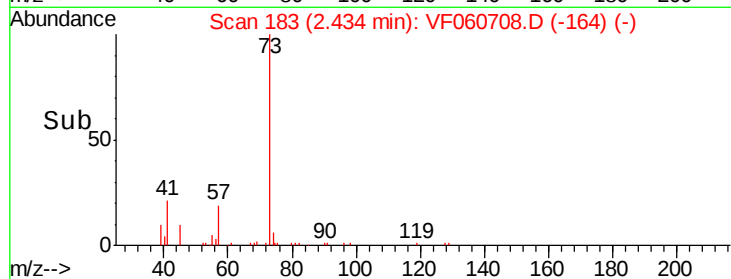
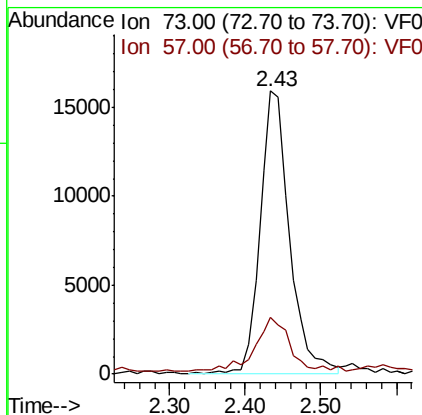
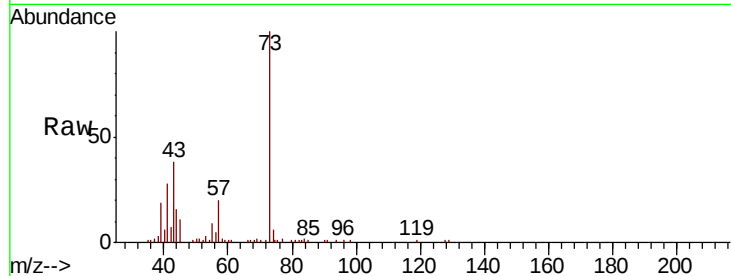
#19
Methvl tert-butvl Ether
Concen: 9.240 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 43362
Ion Ratio Lower Upper
73 100
57 20.1 14.3 21.5

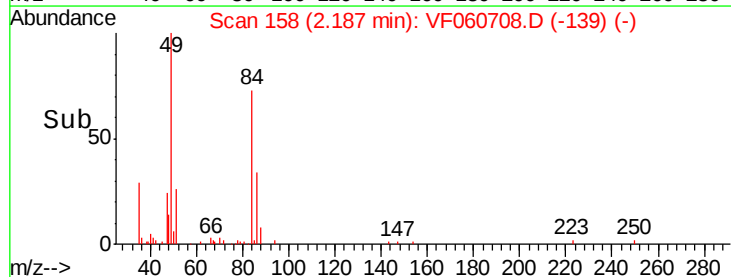
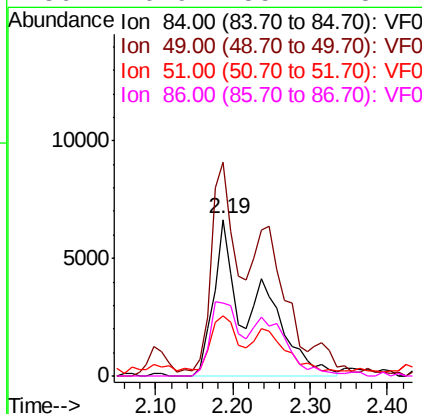
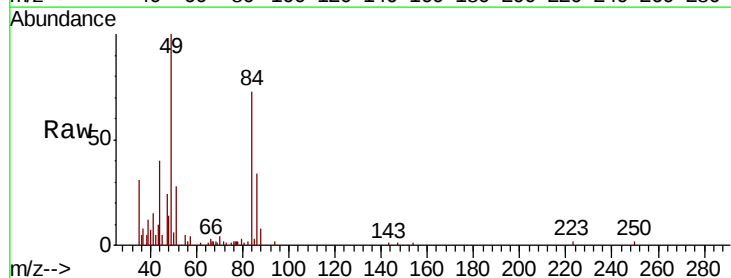
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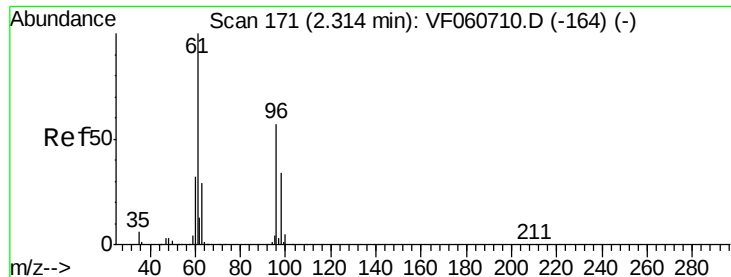
sam
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#20
Methylene Chloride
Concen: 10.894 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion: 84 Resp: 24084
Ion Ratio Lower Upper
84 100
49 136.5 120.2 180.4
51 38.3 37.2 55.8
86 46.9 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 10.583 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

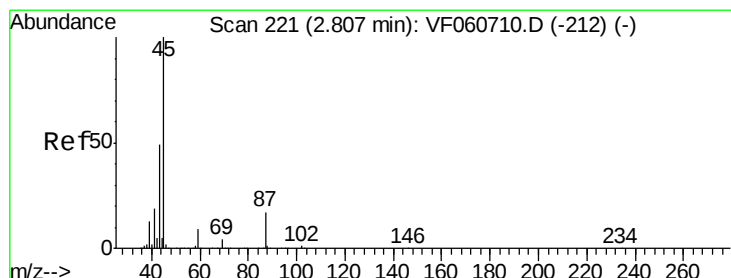
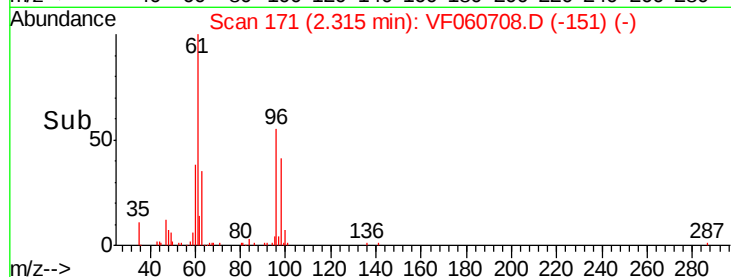
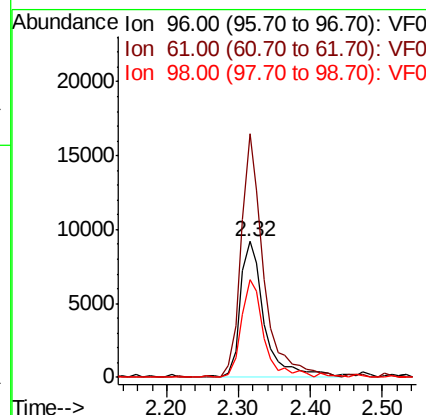
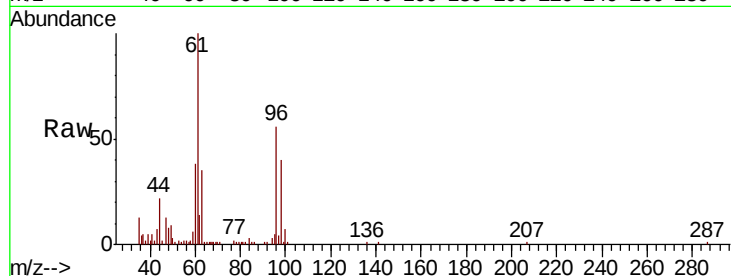
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	21629
Ion	Ratio	Lower	Upper
96	100		
61	179.3	141.6	212.4
98	72.1	47.4	71.0#

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#22

Diisopropyl ether

Concen: 9.785 ug/l

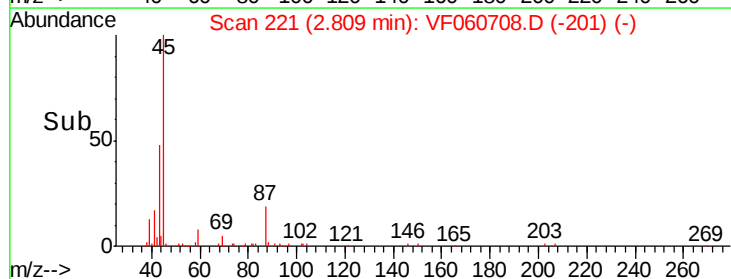
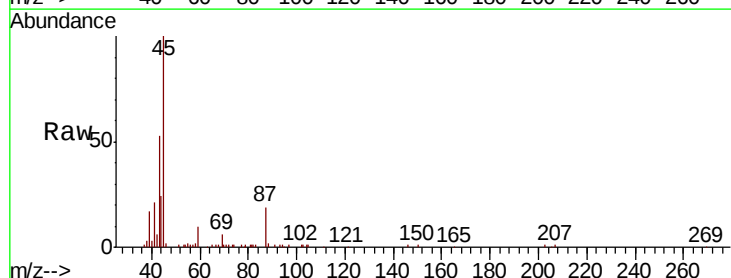
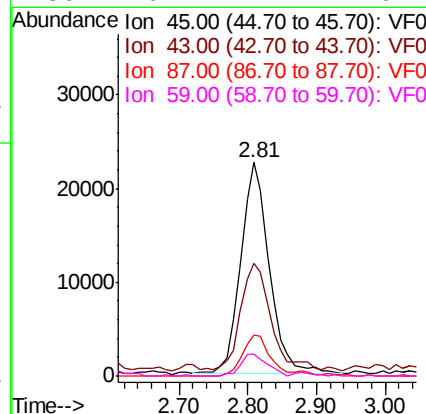
RT: 2.81 min Scan# 221

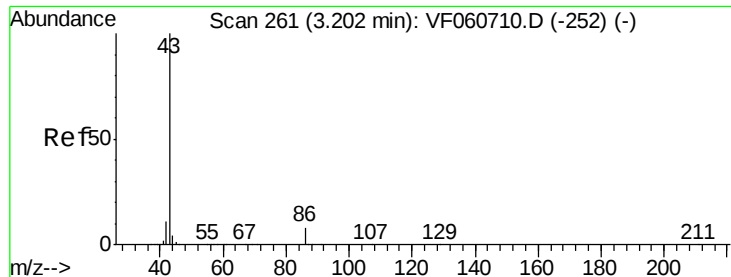
Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	45	Resp:	64739
Ion	Ratio	Lower	Upper
45	100		
43	53.0	39.9	59.9
87	19.1	13.9	20.9
59	10.2	7.1	10.7





#23

Vinyl Acetate

Concen: 47.769 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 148822

Ion Ratio Lower Upper

43 100

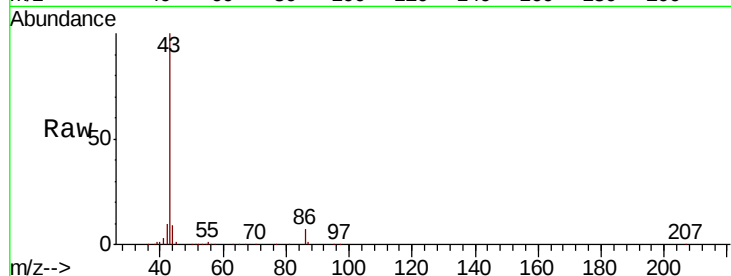
86 7.3 6.4 9.6

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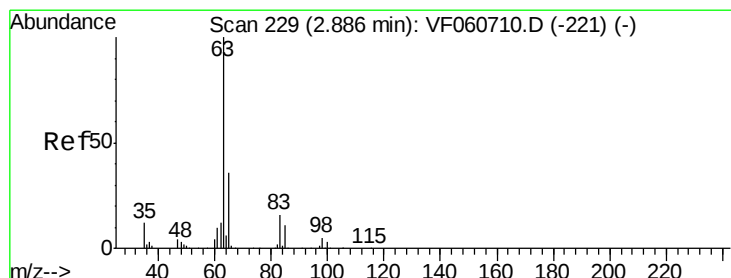
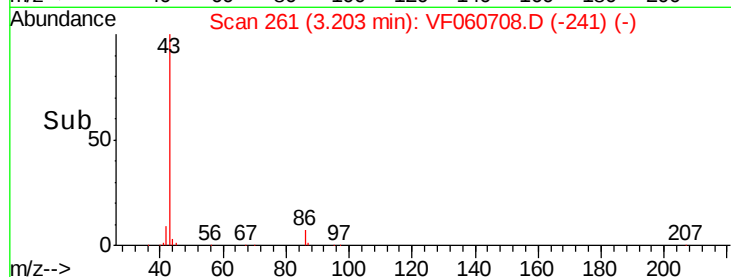
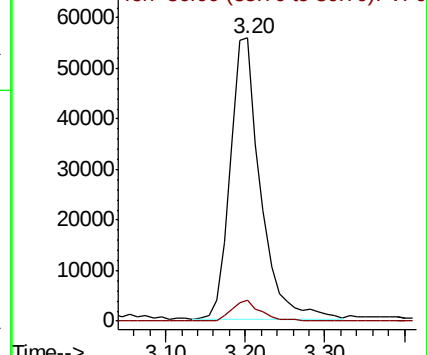
sam

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 9.980 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

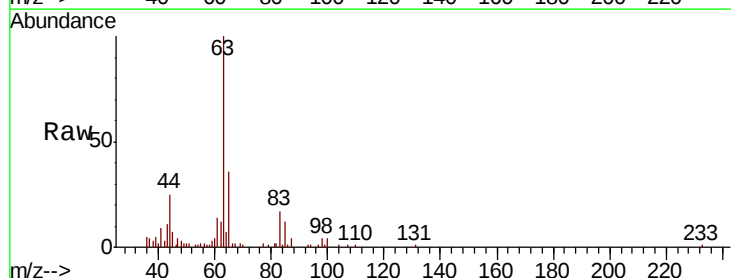
Tgt Ion: 63 Resp: 39974

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

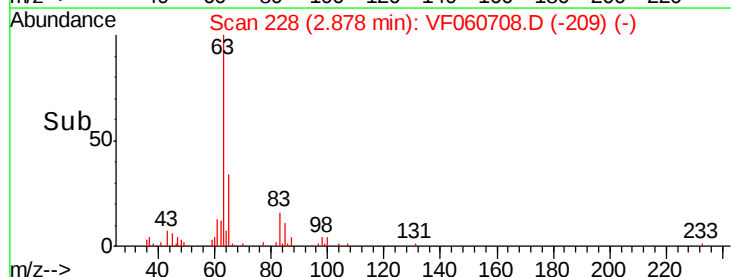
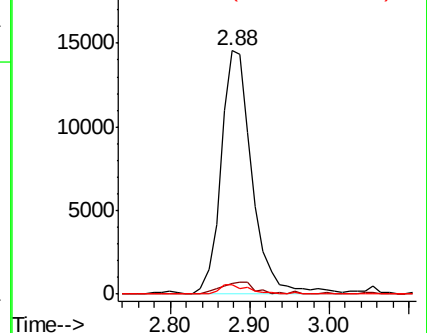
100 3.8 1.4 4.2

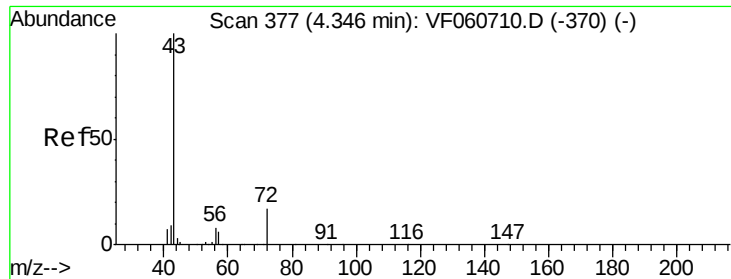


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 50.836 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 48878

Ion Ratio Lower Upper

43 100

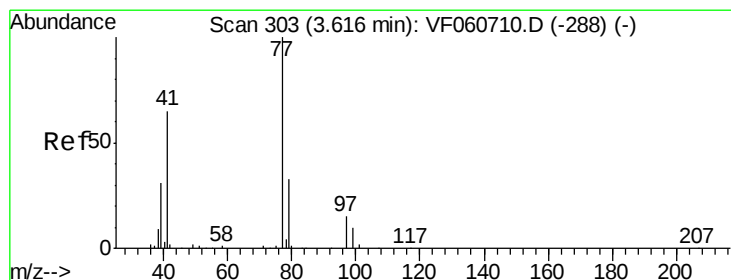
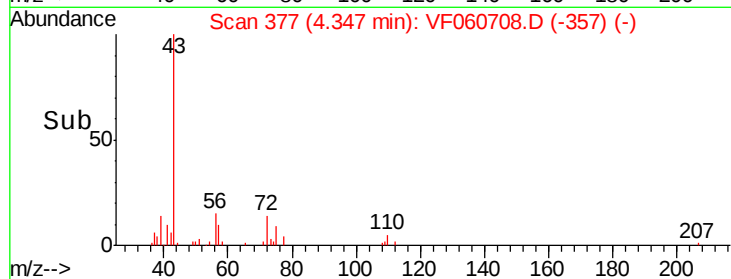
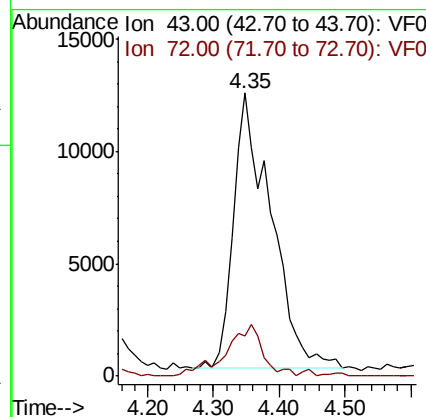
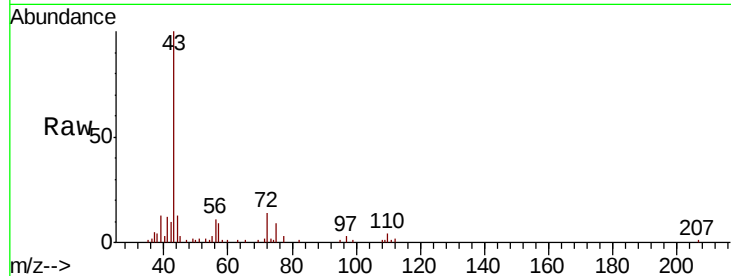
72 14.1 16.1 24.1#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.035 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060708.D

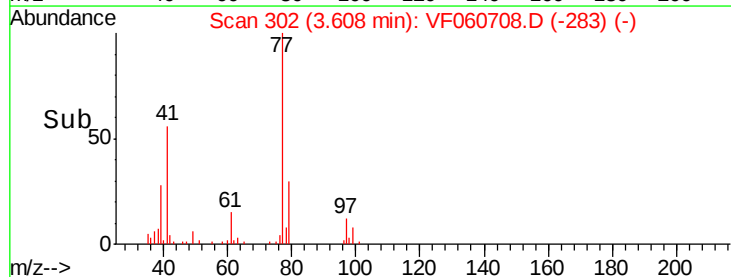
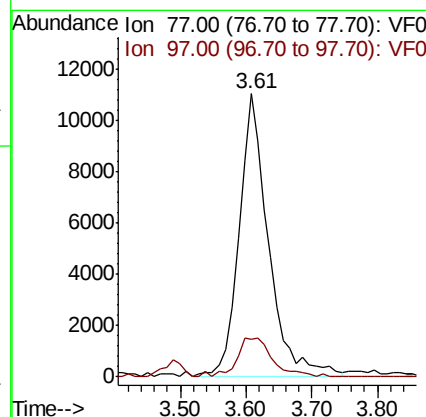
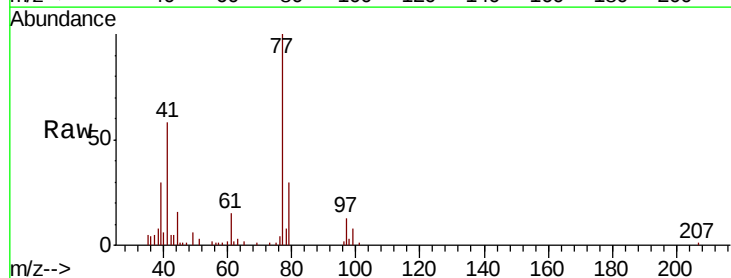
Acq: 13 Nov 2018 12:06

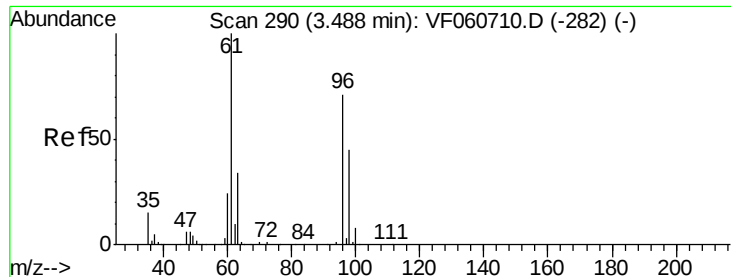
Tgt Ion: 77 Resp: 34782

Ion Ratio Lower Upper

77 100

97 13.2 8.8 26.5





#27

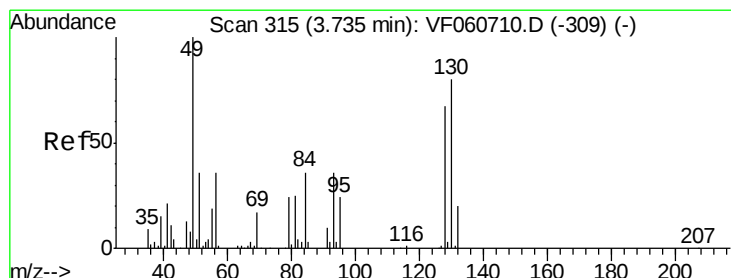
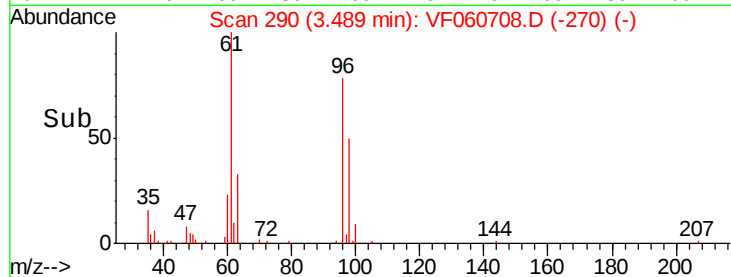
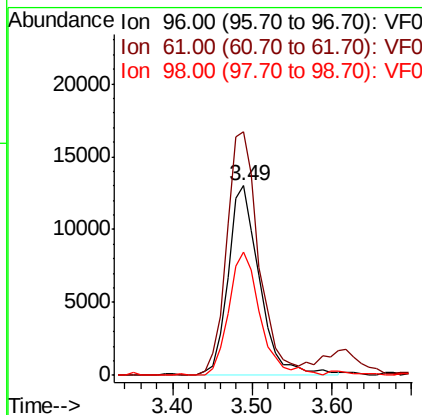
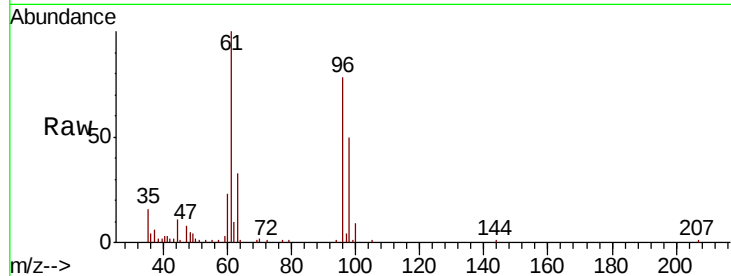
cis-1,2-Dichloroethene
Concen: 10.352 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.5	0.0	280.6	
98	64.8	0.0	127.6	

Manual Integrations
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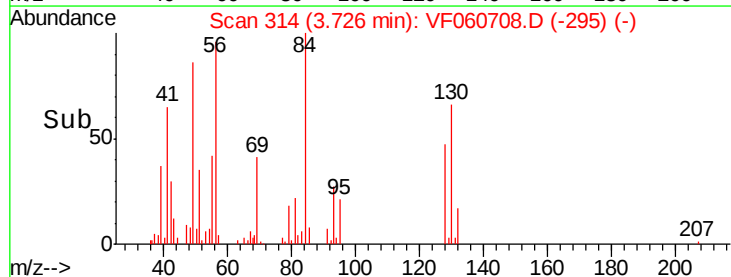
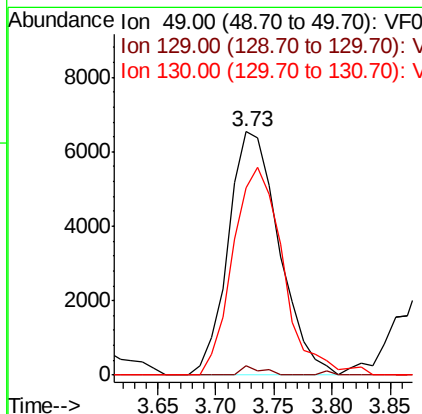
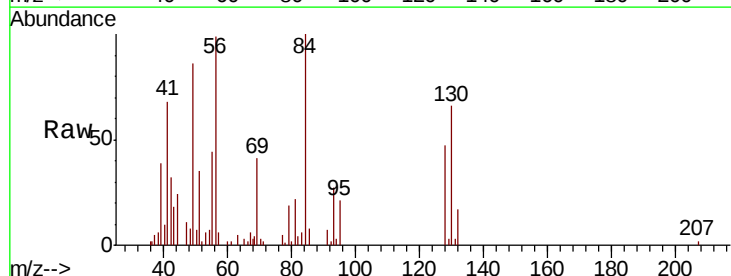
sam
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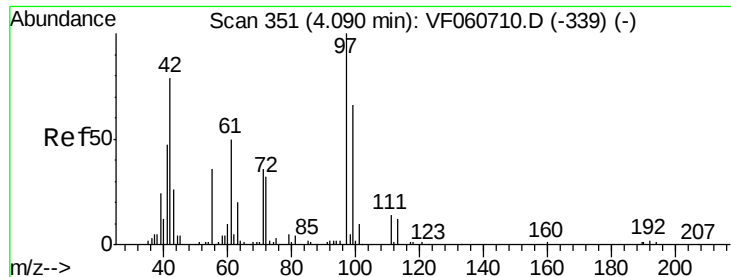


#28

Bromochloromethane
Concen: 9.528 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.8	0.0	5.2	
130	77.1	63.9	95.9	





#29

Tetrahydrofuran

Concen: 52.136 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

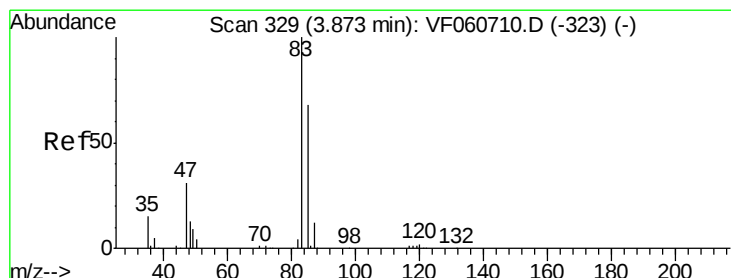
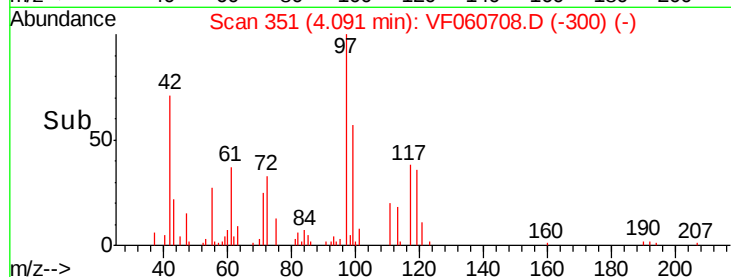
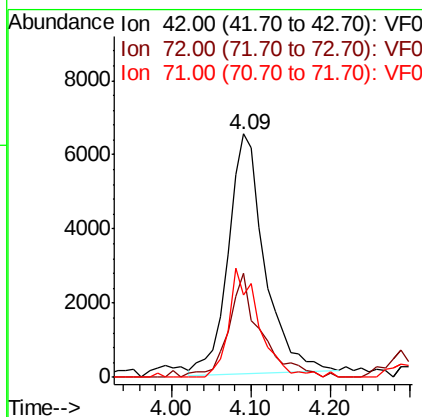
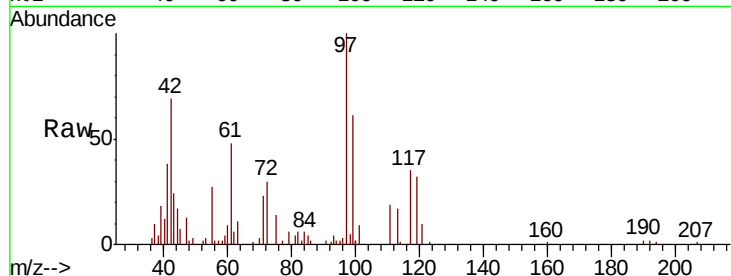
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	20677
Ion Ratio		Lower	Upper
42	100		
72	38.6	30.3	45.5
71	38.5	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 10.383 ug/l

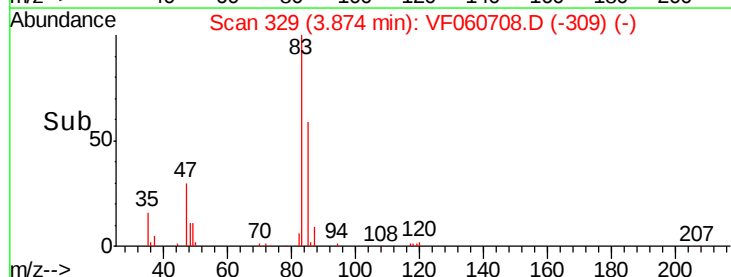
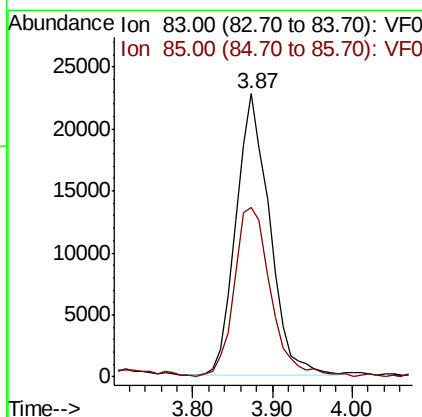
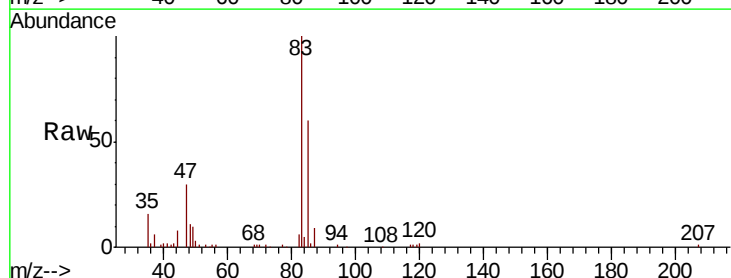
RT: 3.87 min Scan# 329

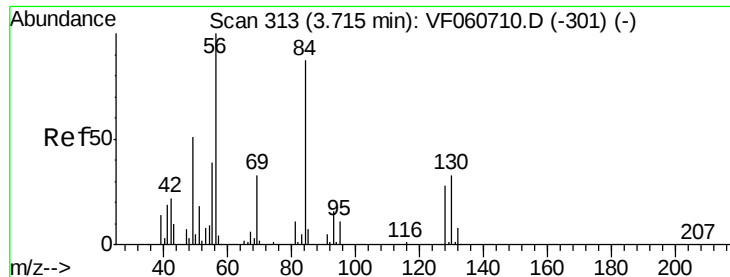
Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	83	Resp:	66725
Ion Ratio		Lower	Upper
83	100		
85	59.9	54.6	82.0





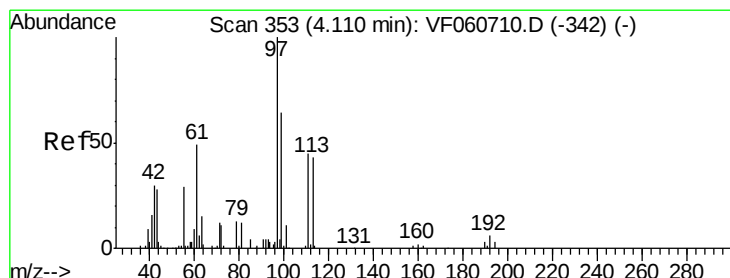
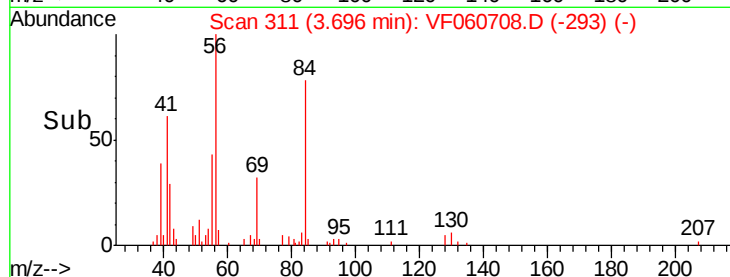
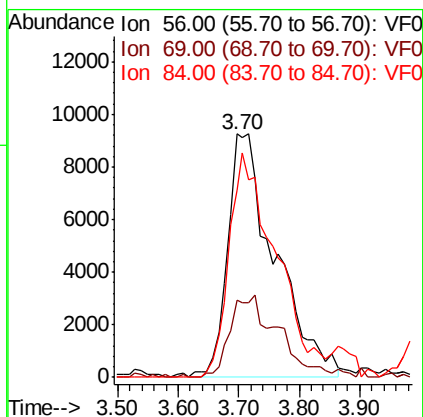
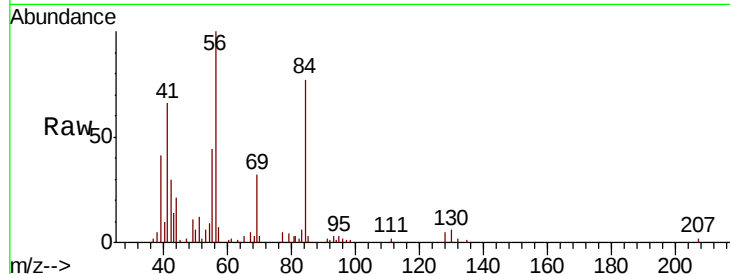
#31
Cvclohexane
Concen: 10.393 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.0	39.0
84	77.1	69.4	104.2

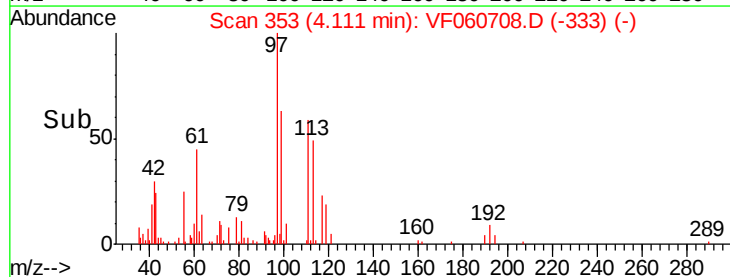
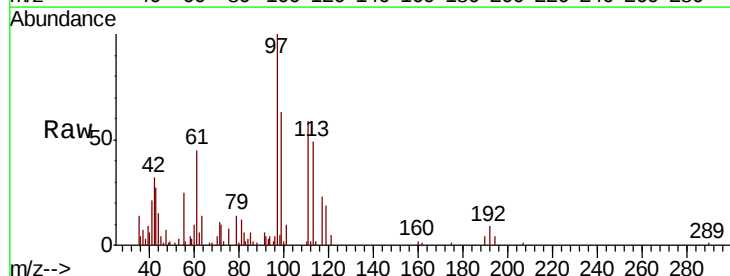
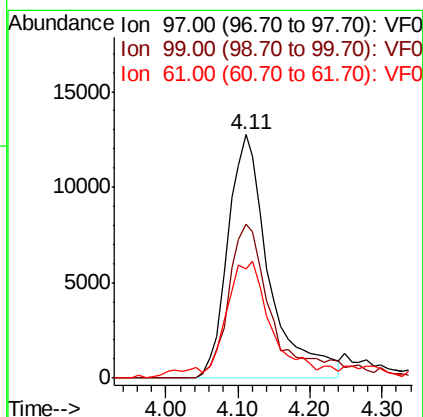
Manual Integrations
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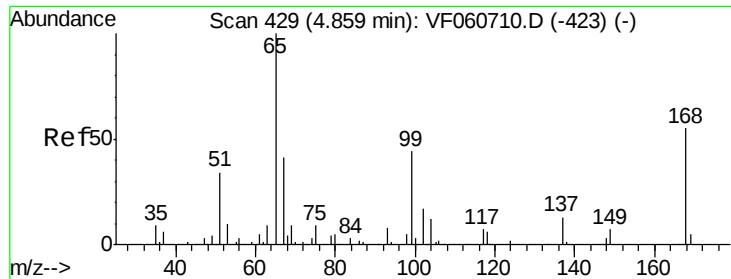
sam
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#32
1,1,1-Trichloroethane
Concen: 10.057 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.1	76.7
61	44.7	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 9.806 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 26819

Ion Ratio Lower Upper

65 100

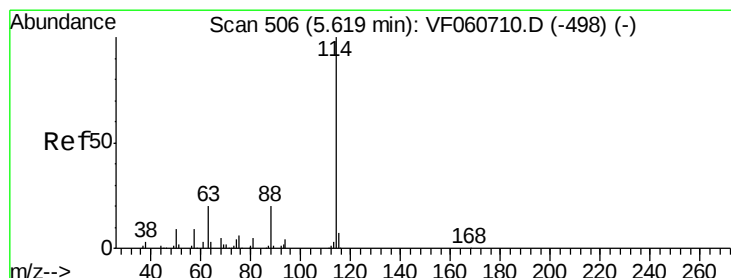
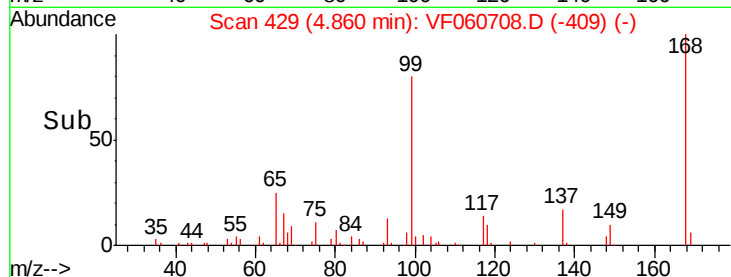
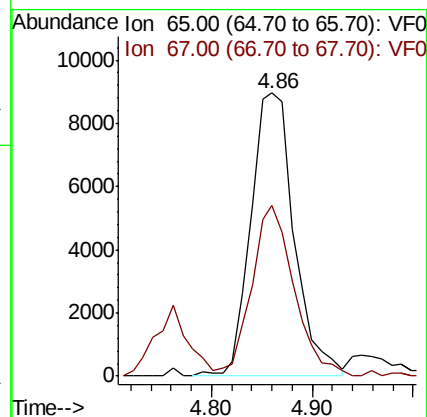
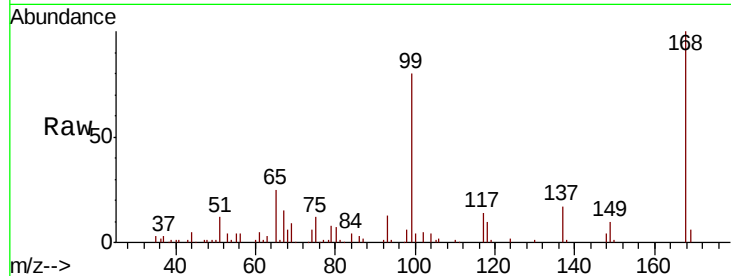
67 60.2 0.0 90.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

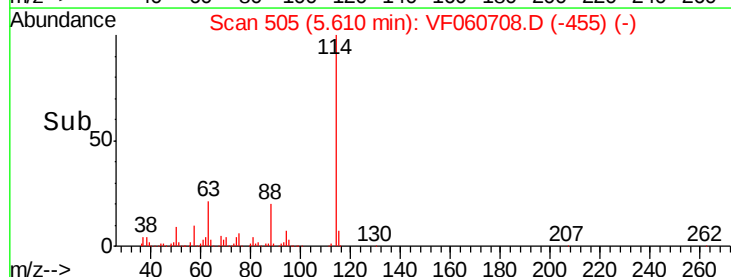
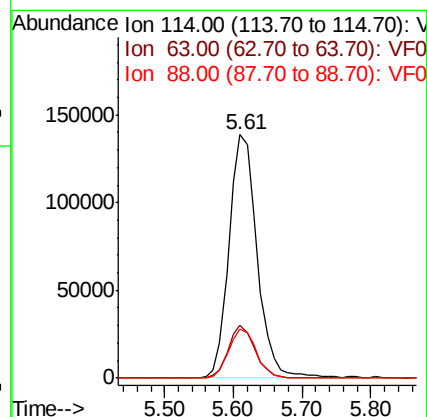
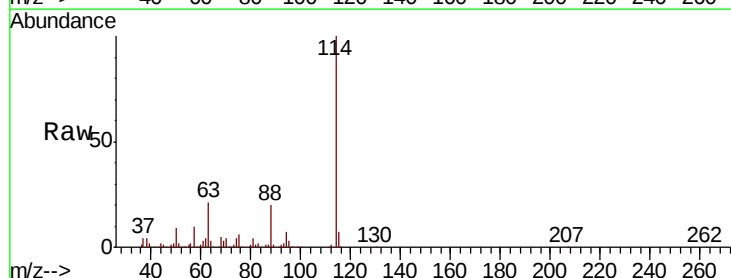
Tgt Ion: 114 Resp: 392780

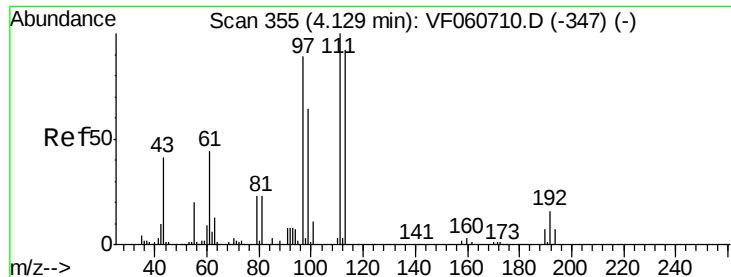
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 20.4 0.0 39.6





#35

Dibromofluoromethane

Concen: 10.493 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

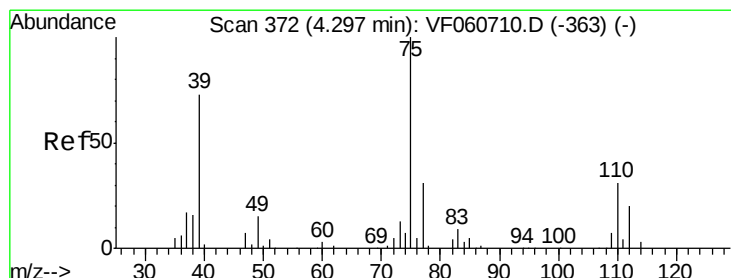
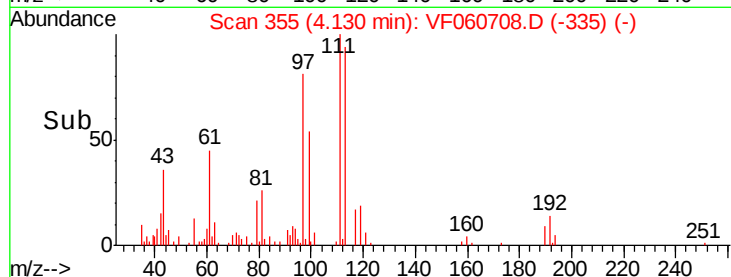
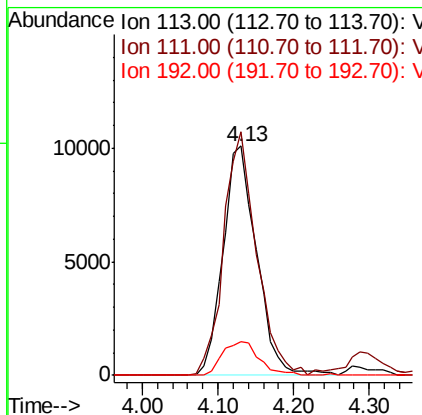
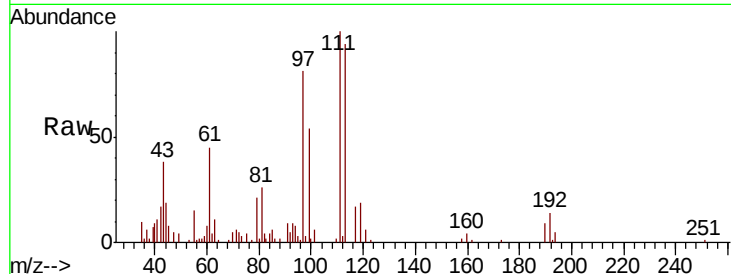
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	30981
Ion Ratio	Lower	Upper	
113	100		
111	106.3	87.1	130.7
192	14.7	13.8	20.6

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#36

1,1-Dichloropropene

Concen: 10.596 ug/l

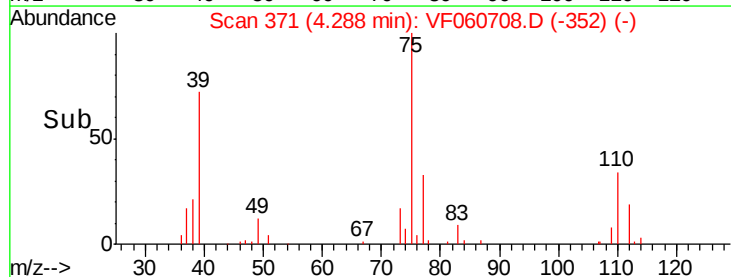
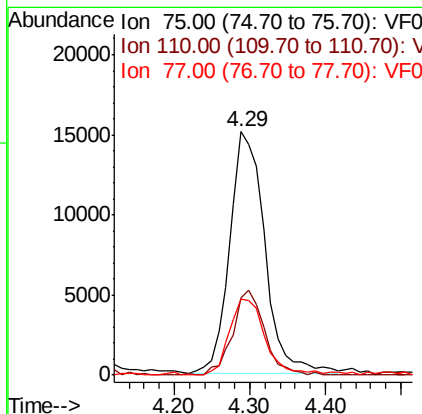
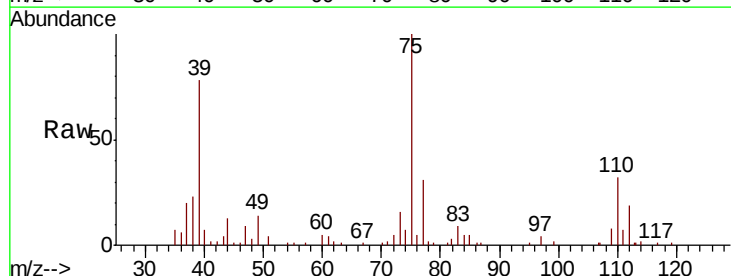
RT: 4.29 min Scan# 371

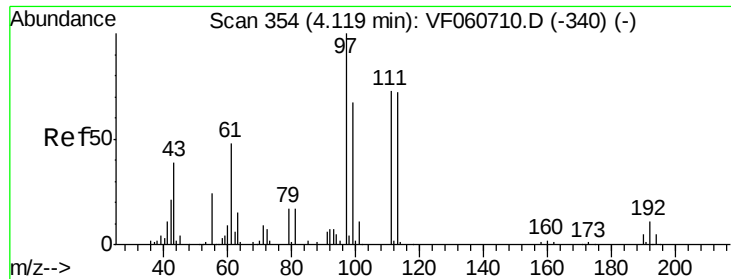
Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	75	Resp:	48266
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.6	46.8
77	31.3	25.0	37.6





#37

Ethyl Acetate

Concen: 10.203 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

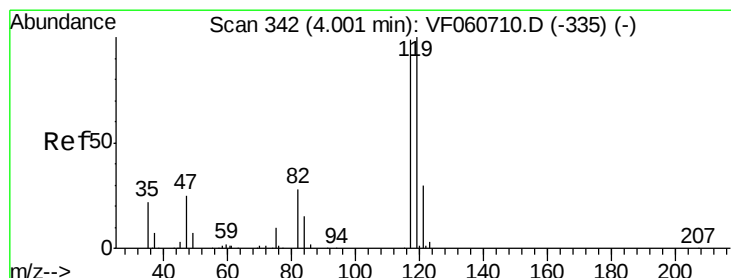
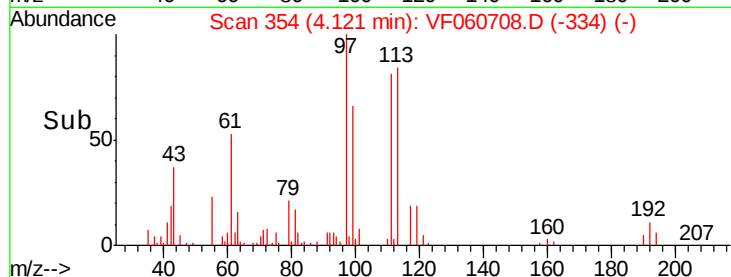
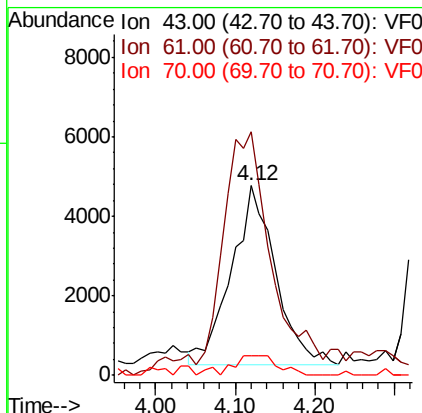
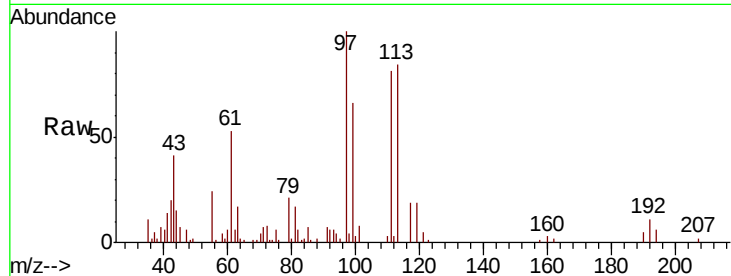
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	17279
Ion	Ratio	Lower	Upper
43	100		
61	128.4	98.5	147.7
70	10.2	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 10.654 ug/l

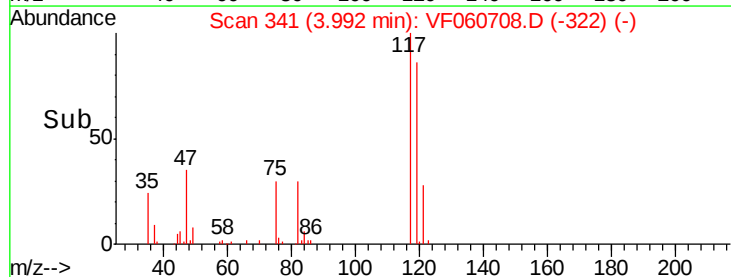
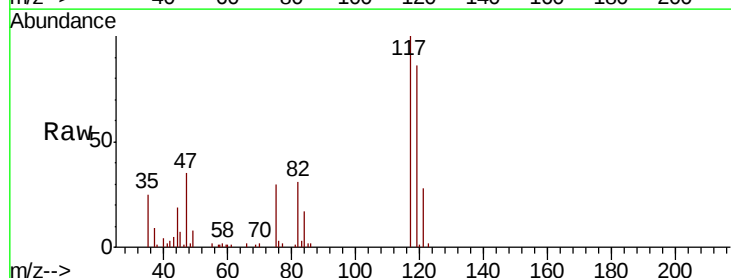
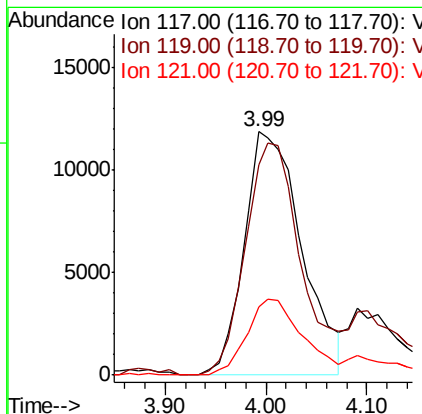
RT: 3.99 min Scan# 341

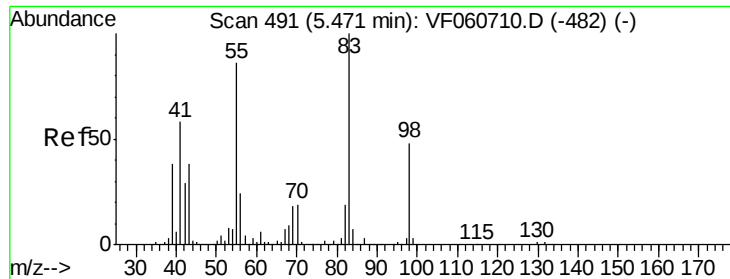
Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	117	Resp:	47091
Ion	Ratio	Lower	Upper
117	100		
119	86.2	80.7	121.1
121	28.0	24.3	36.5





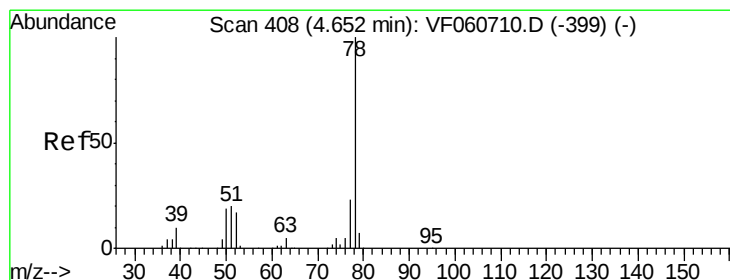
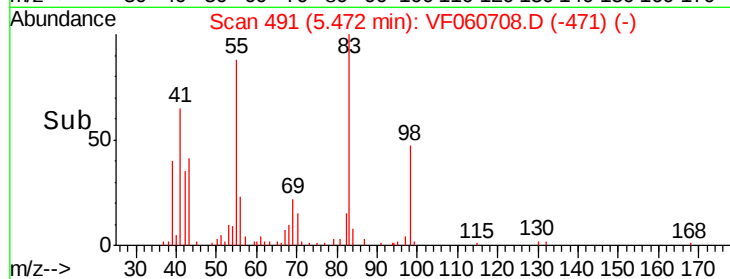
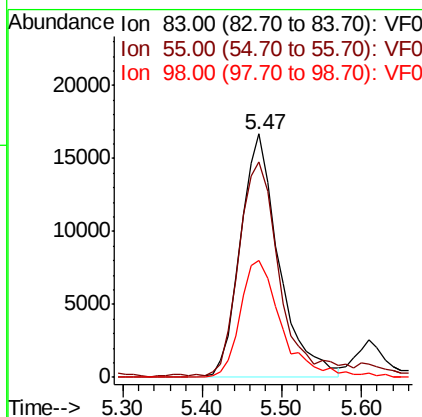
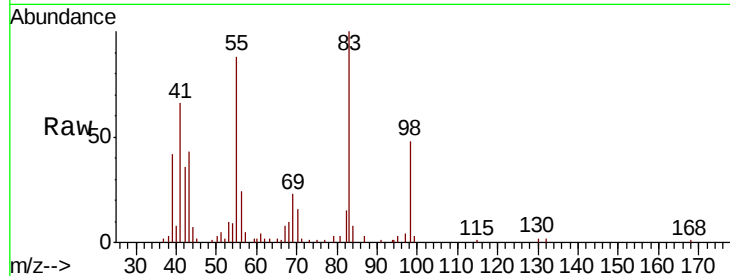
#39
Methylcyclohexane
Concen: 10.587 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	69.0	103.4
98	48.1	38.5	57.7

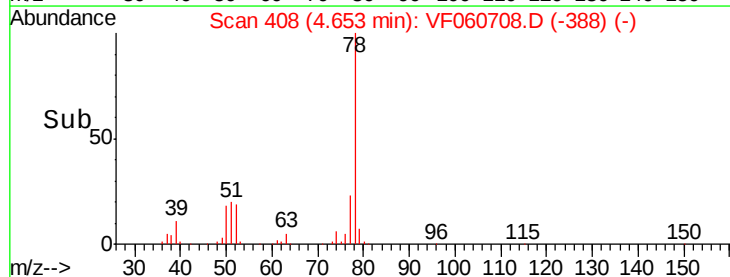
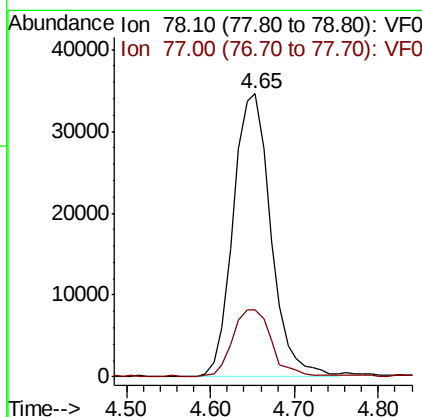
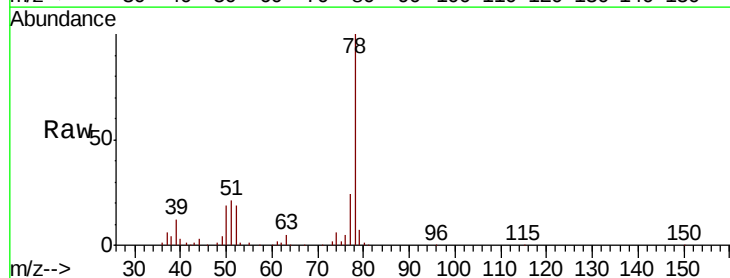
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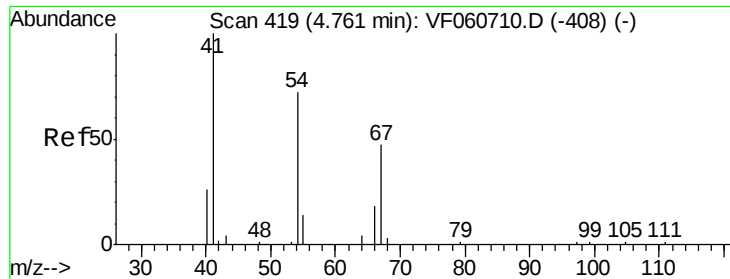
sam
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#40
Benzene
Concen: 10.676 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





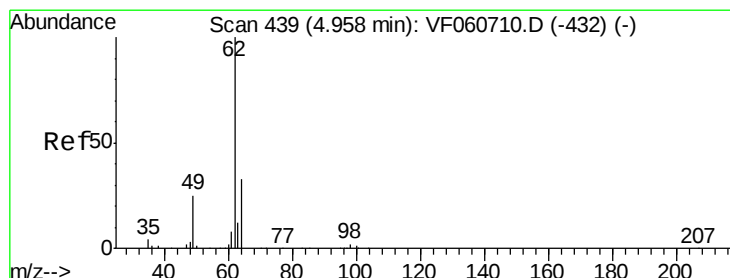
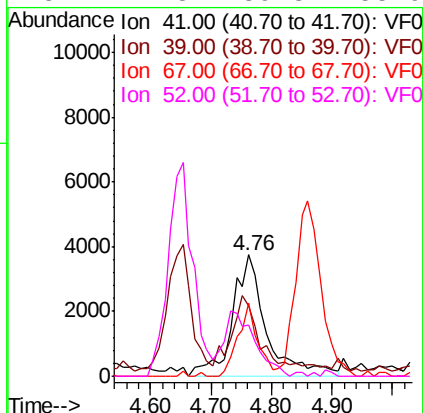
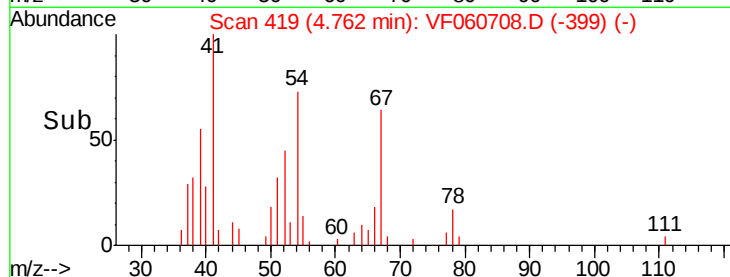
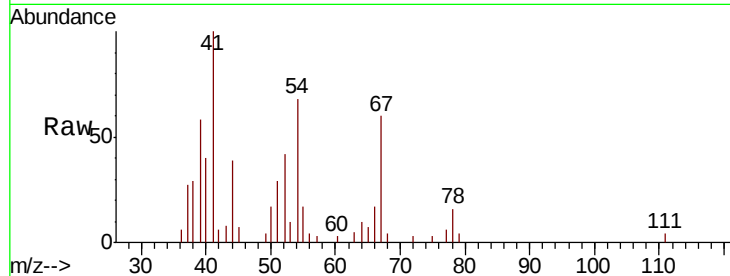
#41
Methacrylonitrile
Concen: 14.212 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	14581
Ion Ratio	Lower	Upper	
41	100		
39	58.3	47.1	70.7
67	59.8	37.1	55.7
52	41.8	39.3	58.9

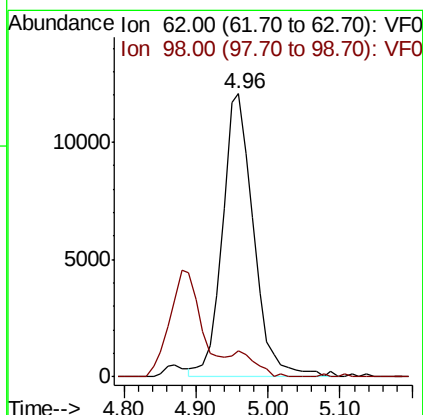
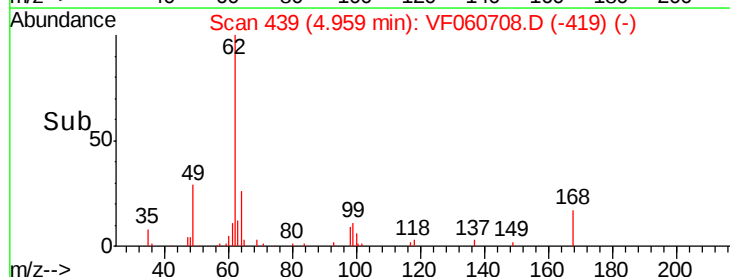
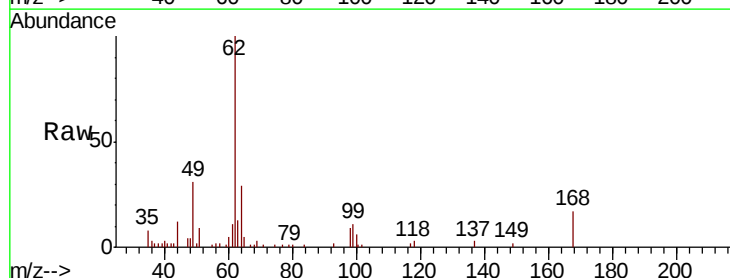
Manual Integrations
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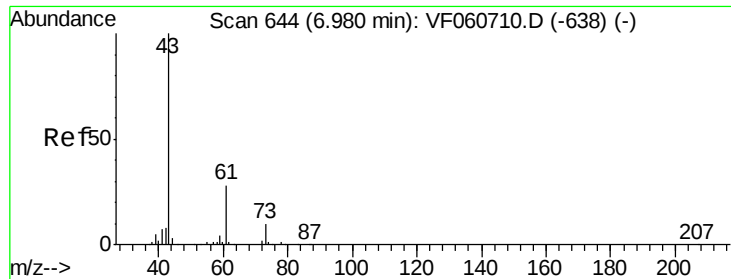
sam
11/14/2018 11:53:31 AM



#42
1,2-Dichloroethane
Concen: 10.302 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion:	62	Resp:	36152
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	16.6





#43

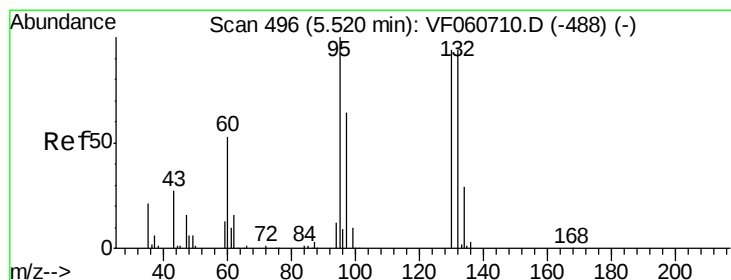
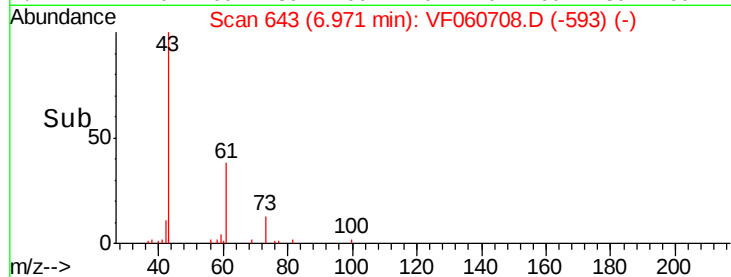
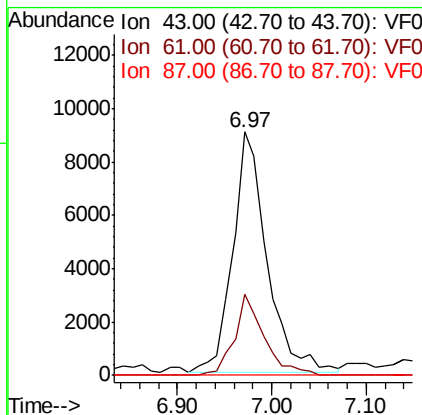
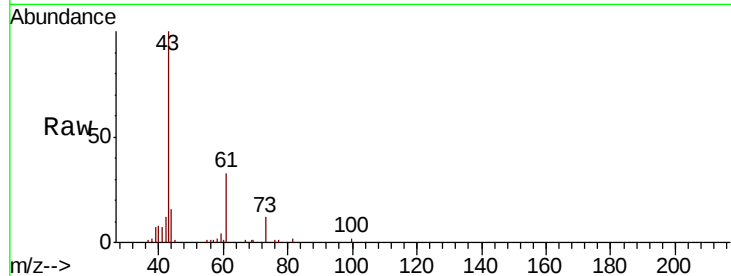
Isopropyl Acetate
 Concen: 10.002 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.5	22.2	33.4#
87	0.0	0.4	0.6#

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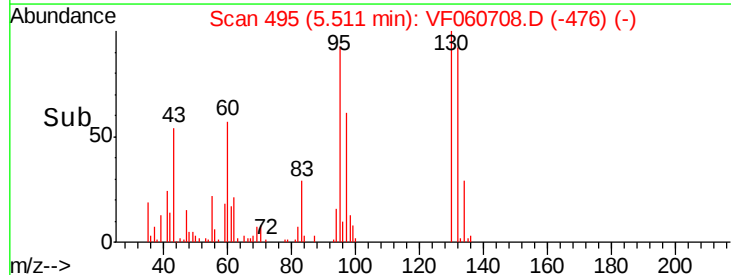
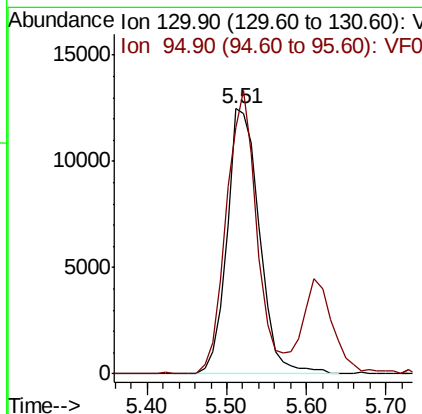
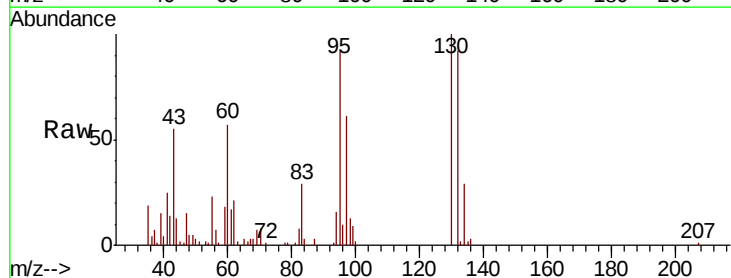
Sam
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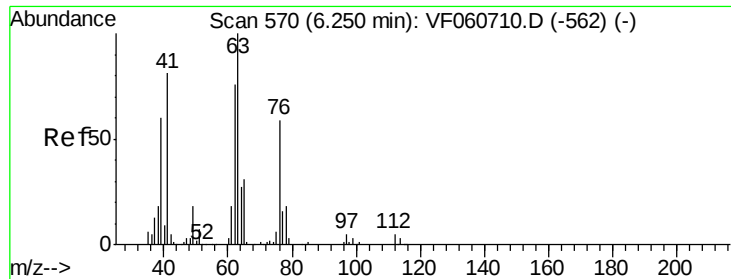


#44

Trichloroethene
 Concen: 11.090 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	212.6





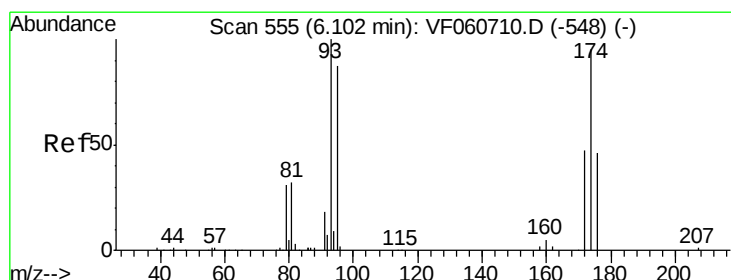
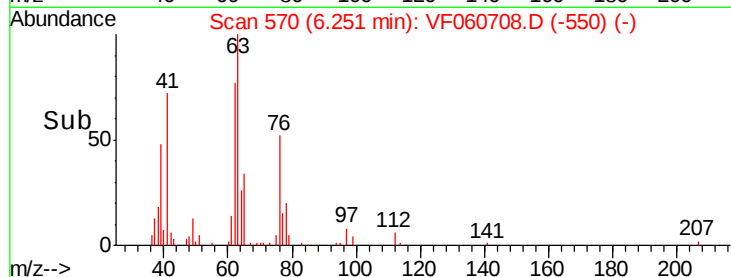
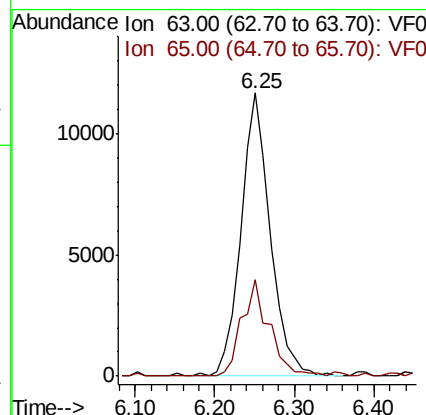
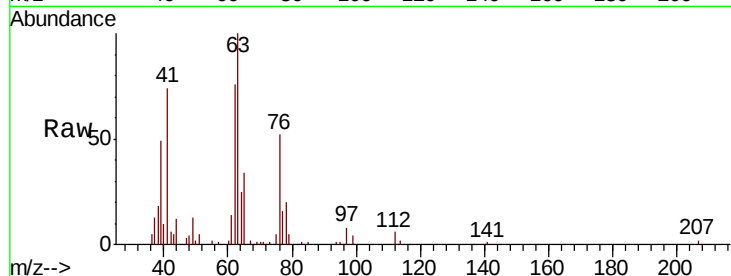
#45
 1,2-Dichloropropane
 Concen: 11.218 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 29643
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.6 36.8

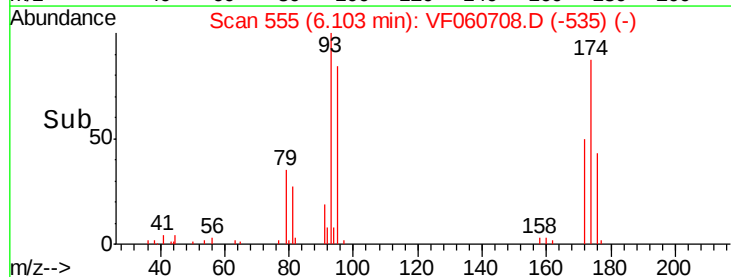
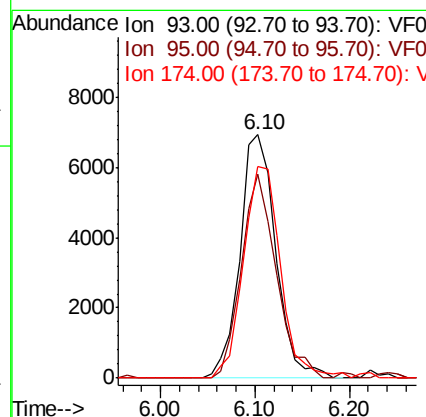
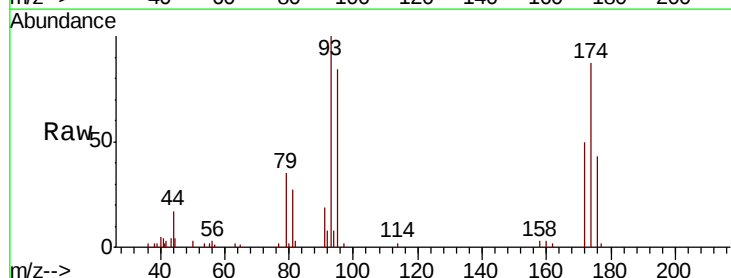
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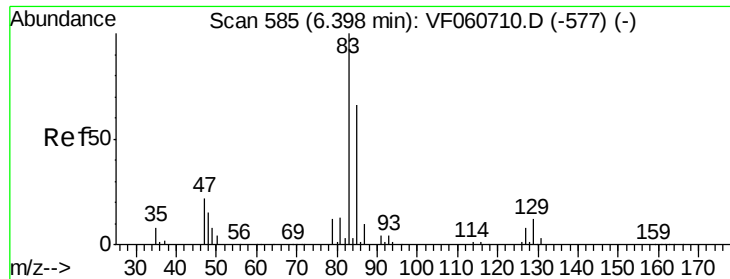
sam
 11/14/2018 11:53:31 AM



#46
 Dibromomethane
 Concen: 10.472 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion: 93 Resp: 18266
 Ion Ratio Lower Upper
 93 100
 95 84.0 69.5 104.3
 174 86.9 76.2 114.2





#47

Bromodichloromethane

Concen: 10.180 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

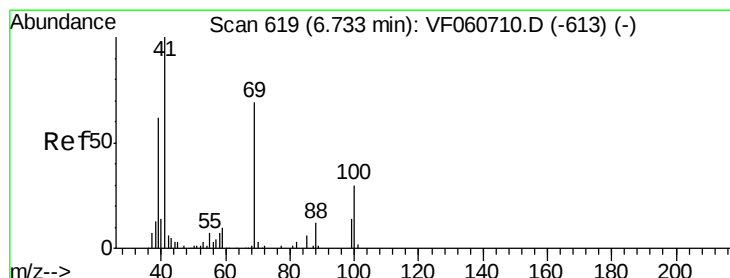
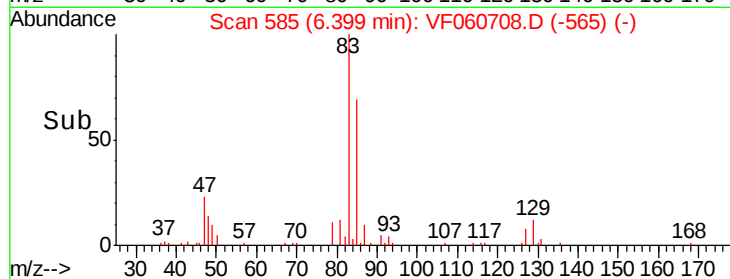
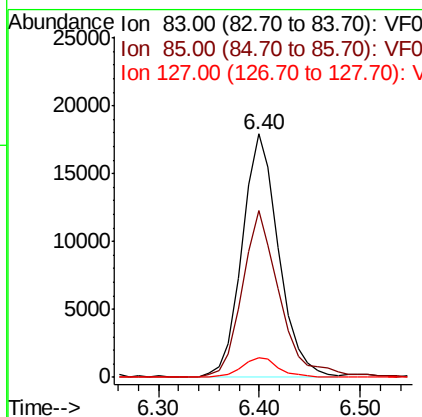
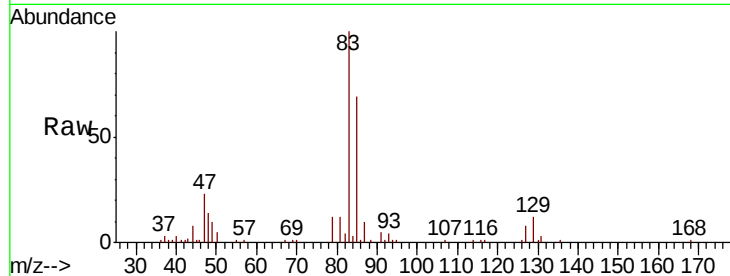
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	45345
Ion Ratio	Lower	Upper	
83	100		
85	68.7	52.4	78.6
127	8.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.082 ug/l

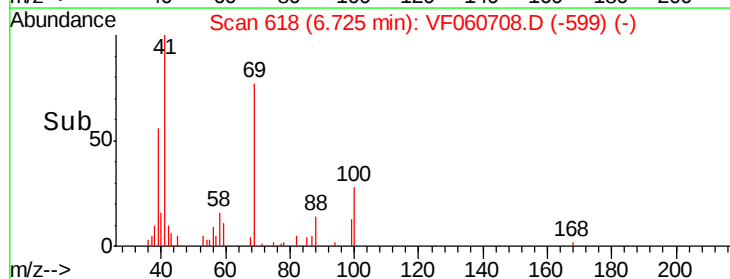
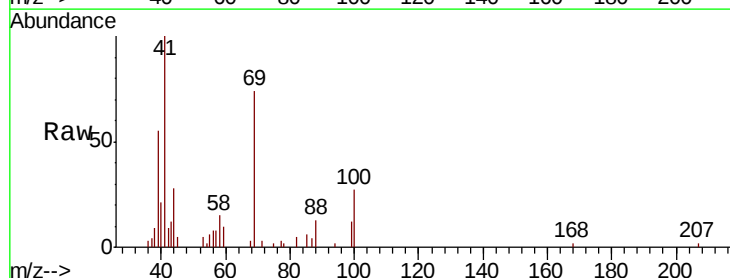
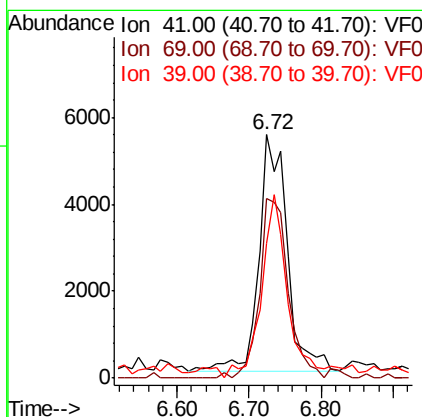
RT: 6.72 min Scan# 618

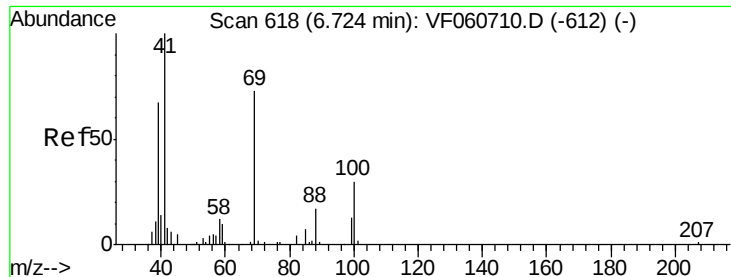
Delta R.T. -0.01 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	41	Resp:	14982
Ion Ratio	Lower	Upper	
41	100		
69	73.9	54.9	82.3
39	55.4	49.6	74.4





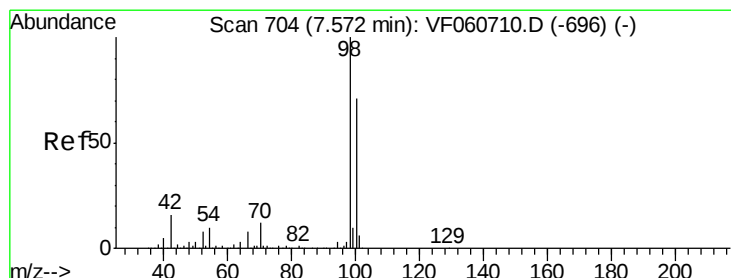
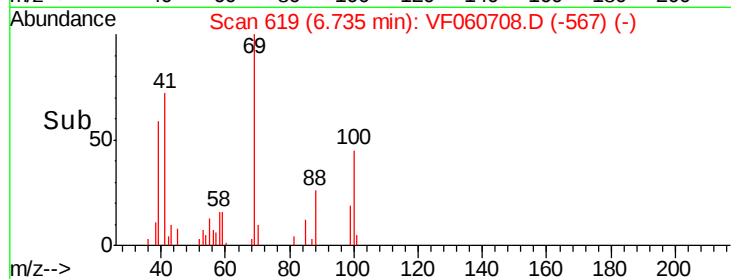
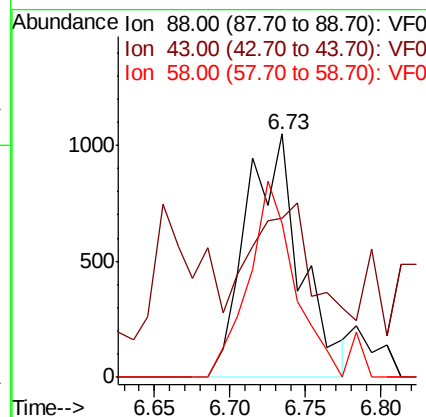
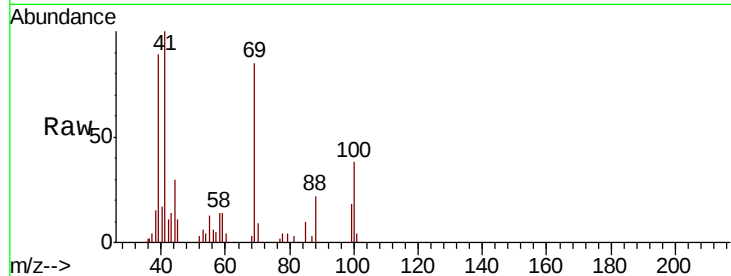
#49
1,4-Dioxane
Concen: 189.518 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	65.1	44.6	66.8
58	63.2	54.5	81.7

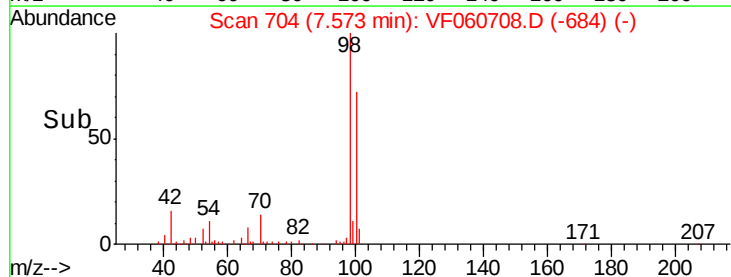
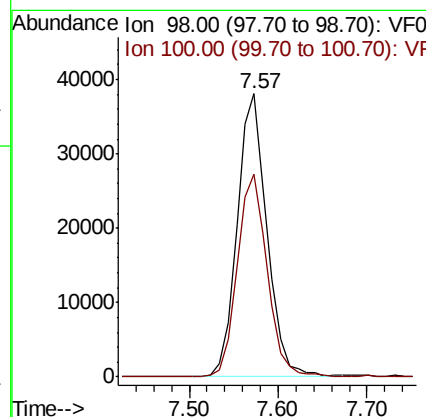
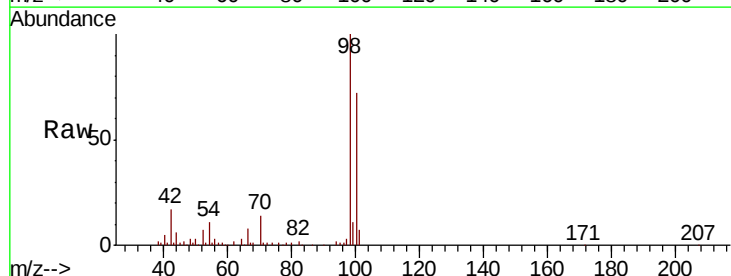
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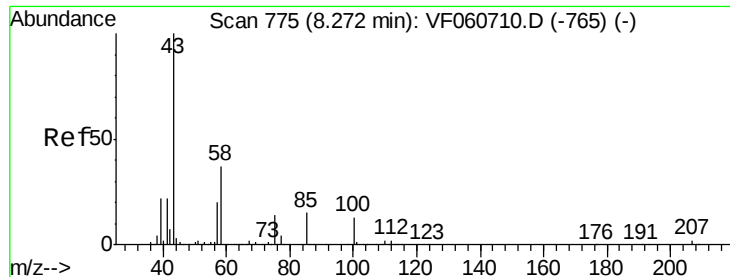
sam
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#50
Toluene-d8
Concen: 10.399 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.5	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 53.796 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 87366

Ion Ratio Lower Upper

43 100

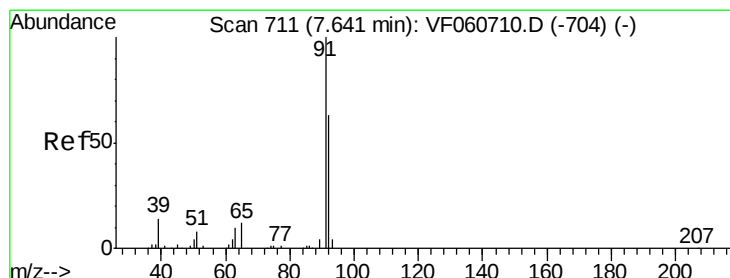
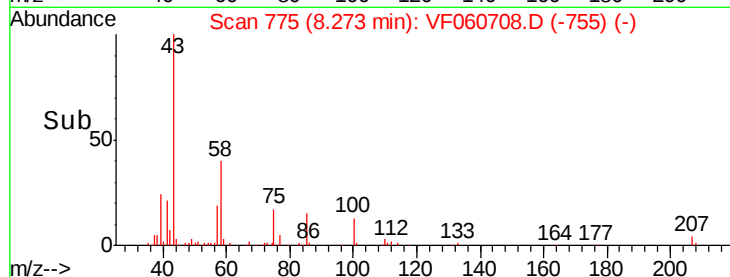
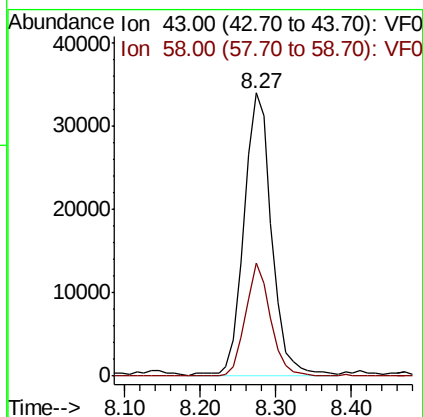
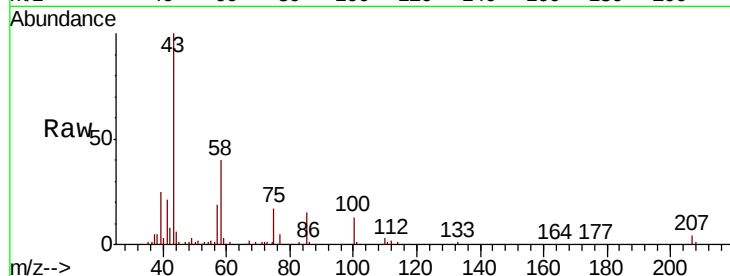
58 40.1 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 10.845 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060708.D

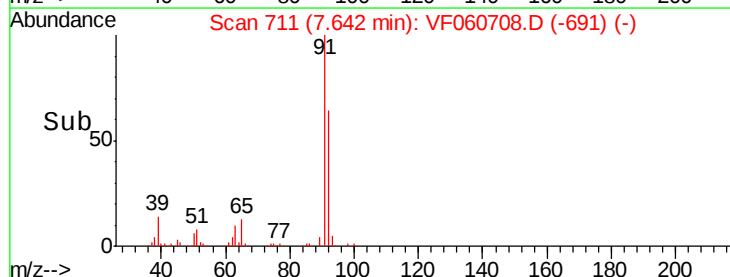
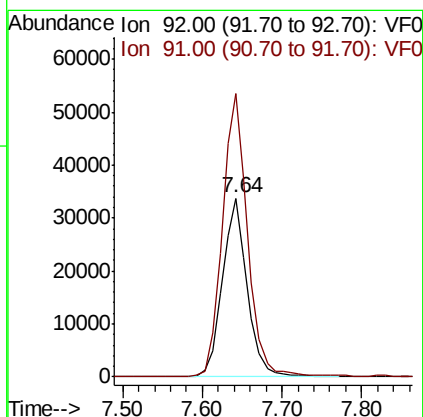
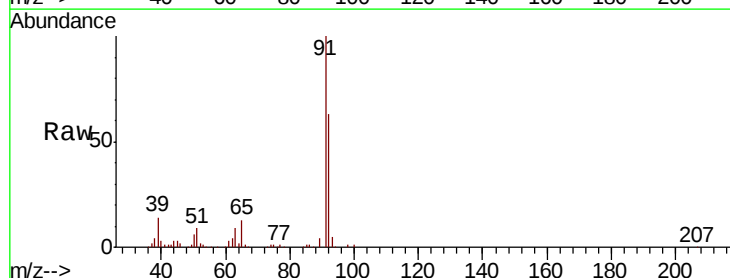
Acq: 13 Nov 2018 12:06

Tgt Ion: 92 Resp: 73794

Ion Ratio Lower Upper

92 100

91 158.6 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 10.559 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tot Ion: 75 Resp: 37670

Ion Ratio Lower Upper

75 100

77 33.4 24.6 36.8

Instrument :

MSVOA_F

ClientSampleId :

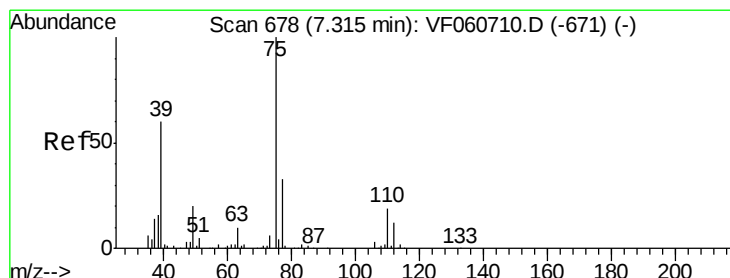
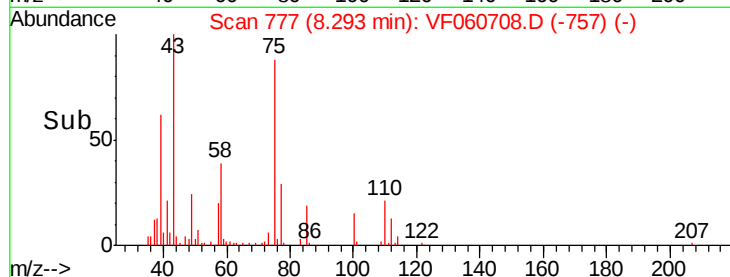
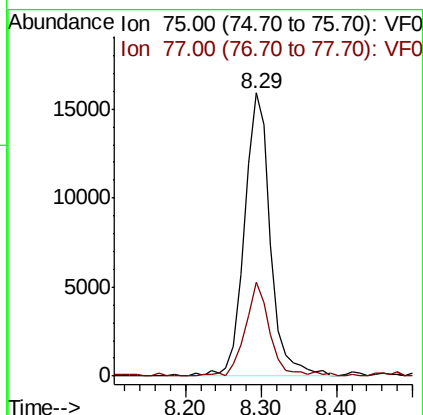
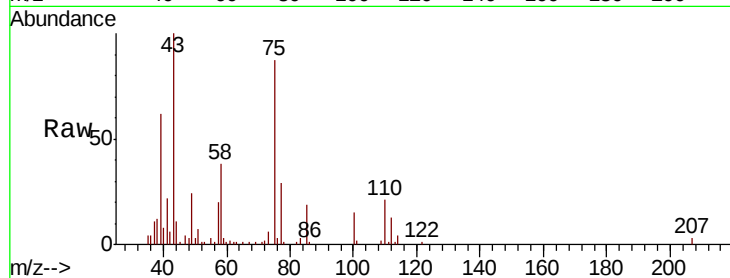
VSTDIC010

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 10.810 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

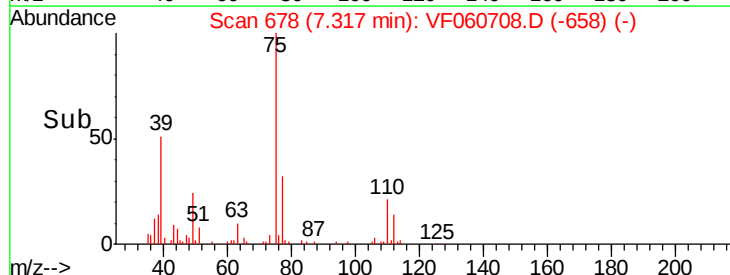
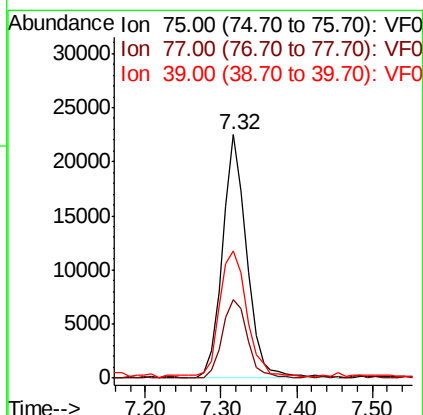
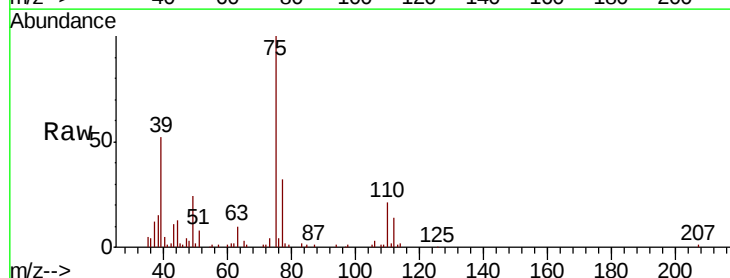
Tgt Ion: 75 Resp: 50094

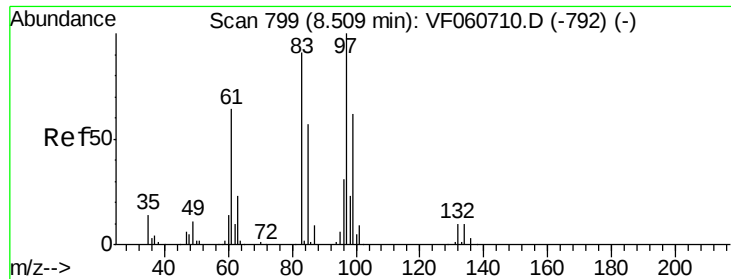
Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7

39 52.5 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 10.300 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

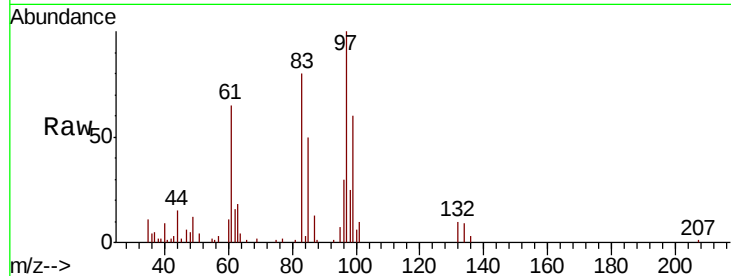
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	20026
Ion	Ratio	Lower	Upper
97	100		
83	79.6	72.8	109.2
85	50.0	45.8	68.6
99	60.3	49.4	74.0

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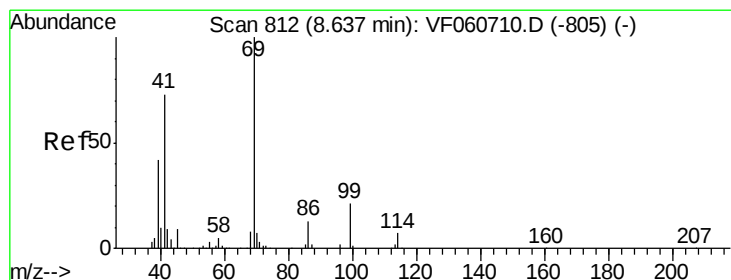
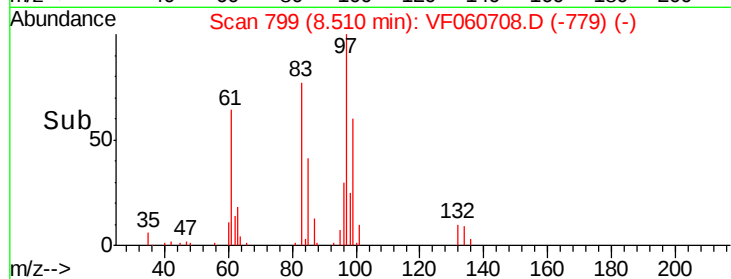
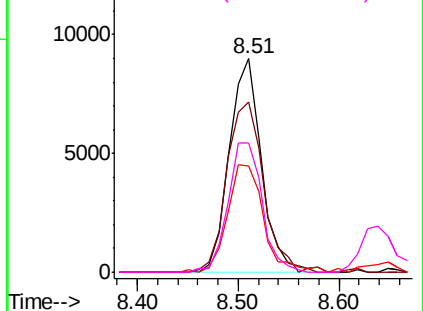


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 10.133 ug/l

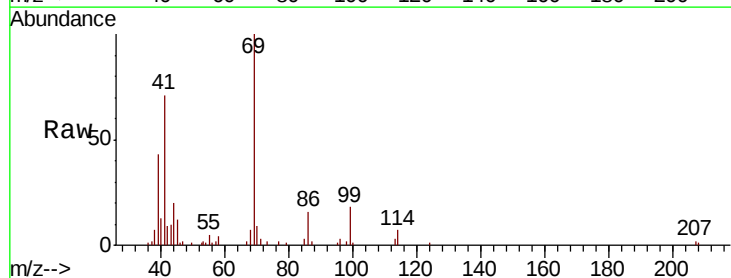
RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

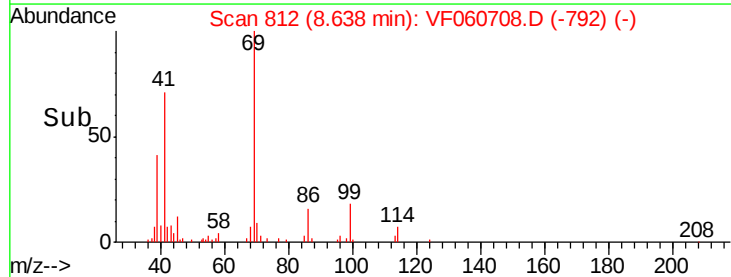
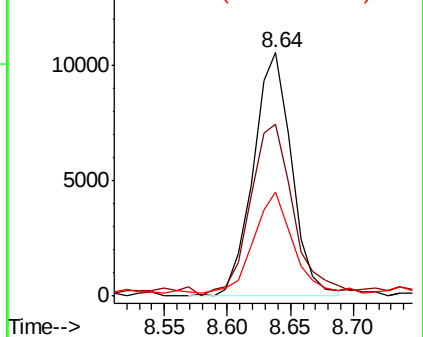
Tgt Ion:	69	Resp:	22375
Ion	Ratio	Lower	Upper
69	100		
41	70.7	59.0	88.6
39	42.6	34.0	51.0

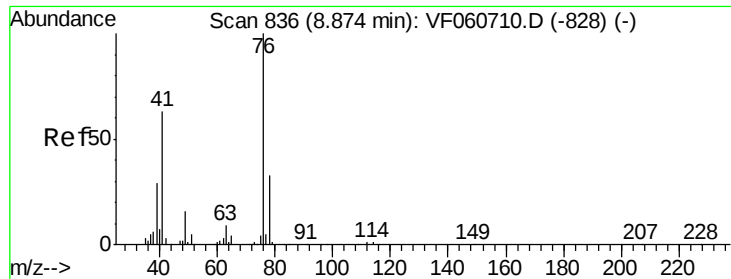


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.370 ug/l

RT: 8.88 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 34941

Ion Ratio Lower Upper

76 100

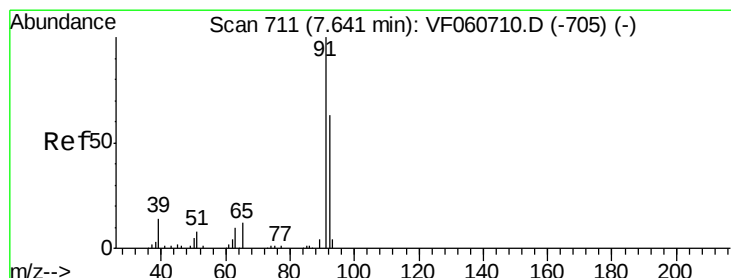
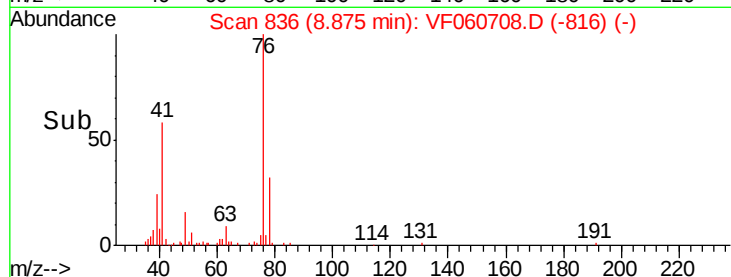
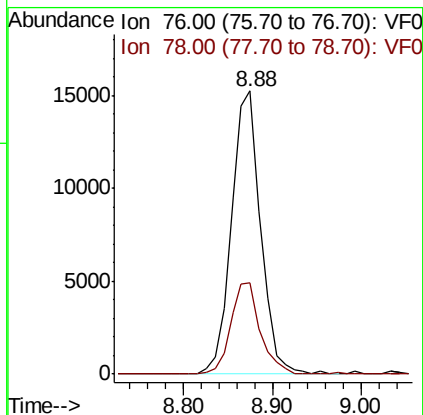
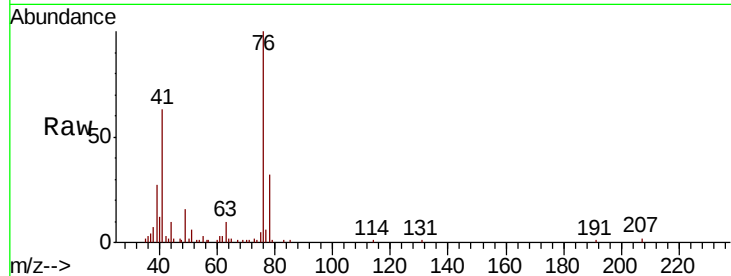
78 32.4 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 55.323 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060708.D

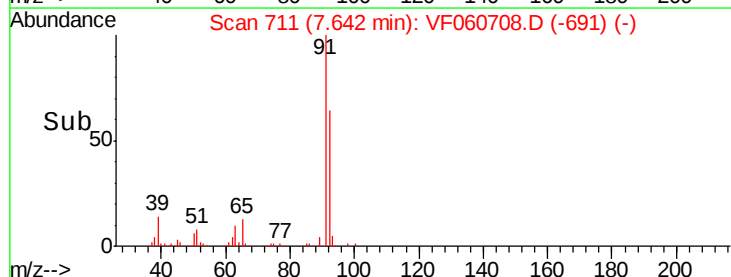
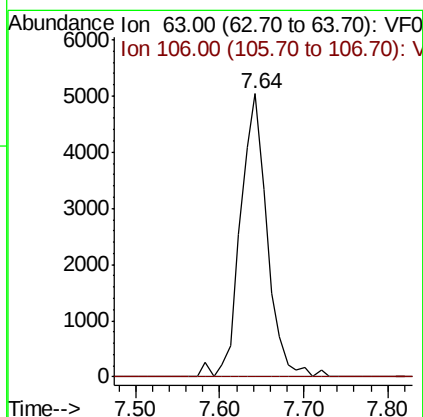
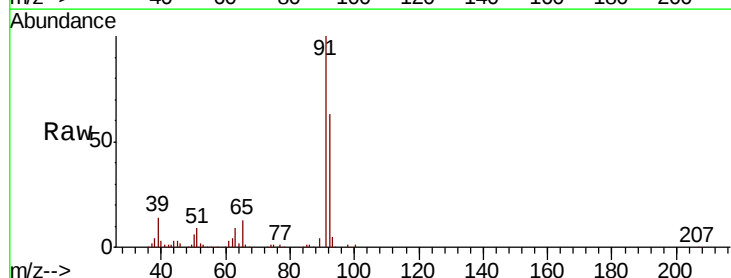
Acq: 13 Nov 2018 12:06

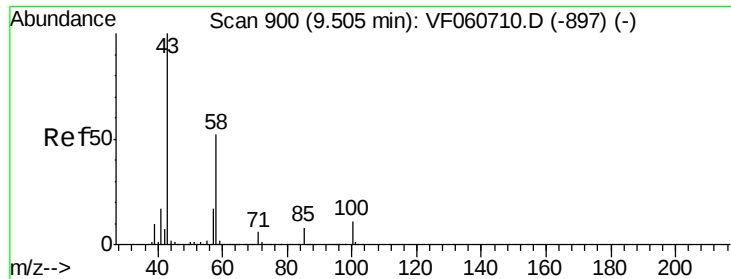
Tgt Ion: 63 Resp: 11159

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





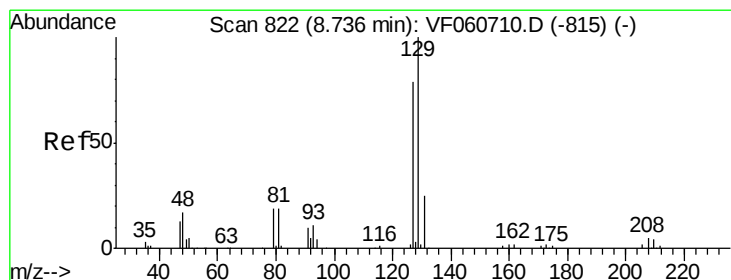
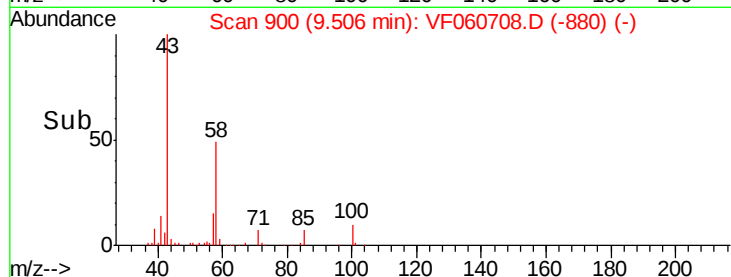
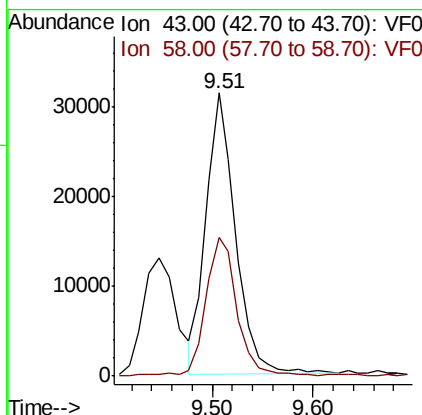
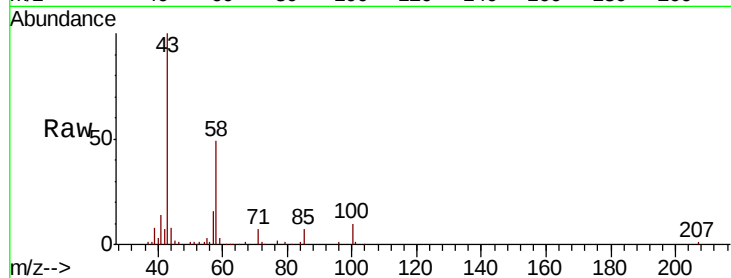
#59
2-Hexanone
Concen: 55.718 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 63592
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.7

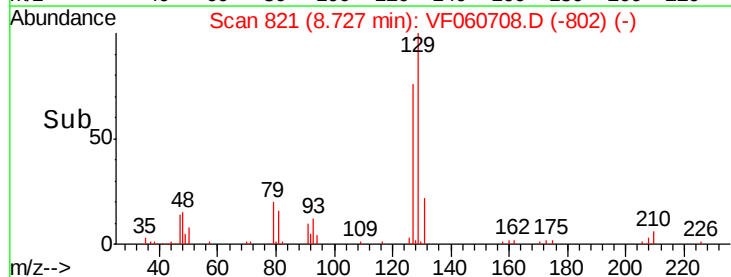
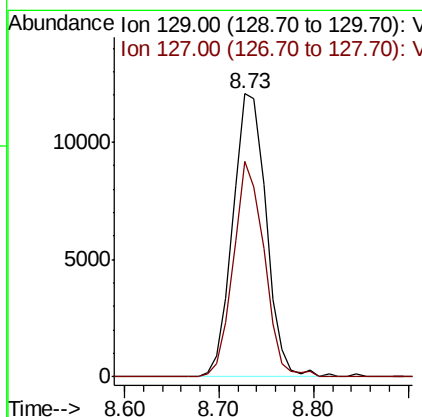
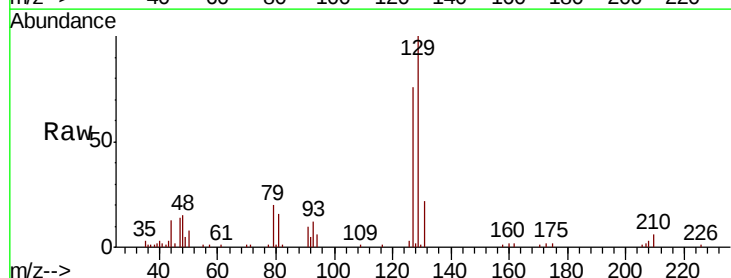
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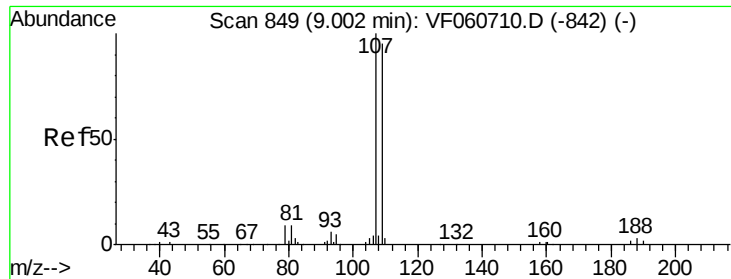
sam
11/14/2018 11:53:31 AM



#60
Dibromochloromethane
Concen: 10.674 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion: 129 Resp: 29578
Ion Ratio Lower Upper
129 100
127 76.2 39.7 119.1





#61

1,2-Dibromoethane

Concen: 10.223 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 20904

Ion Ratio Lower Upper

107 100

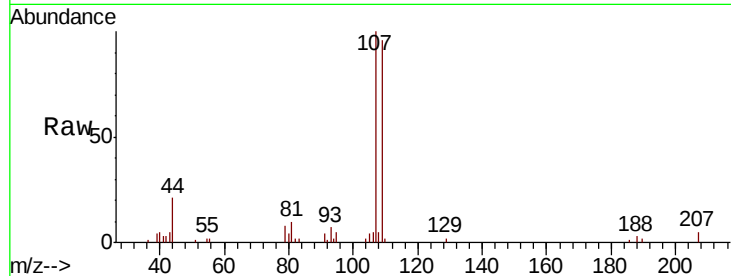
109 96.2 75.9 113.9

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10000

8000

6000

4000

2000

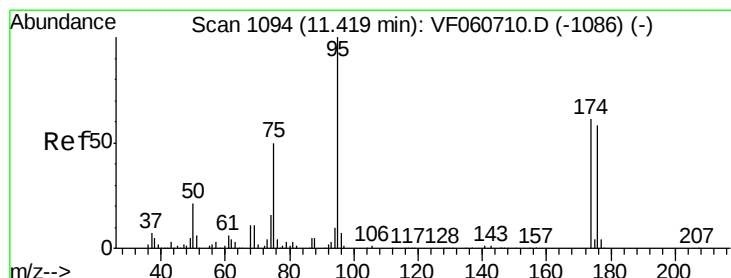
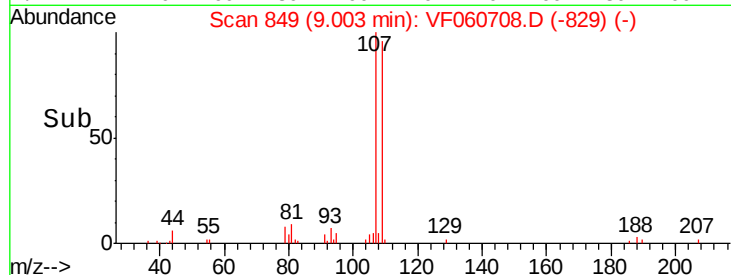
0

Time-->

8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 10.897 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

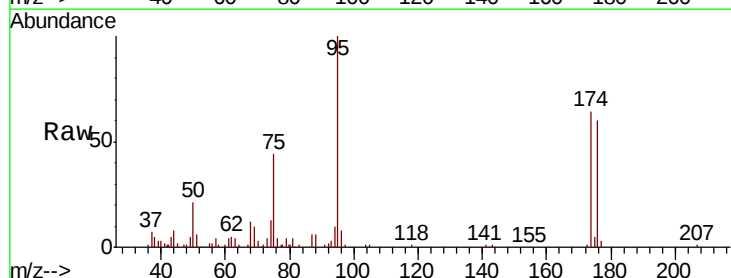
Tgt Ion: 95 Resp: 43466

Ion Ratio Lower Upper

95 100

174 63.9 0.0 121.6

176 60.3 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

30000

20000

10000

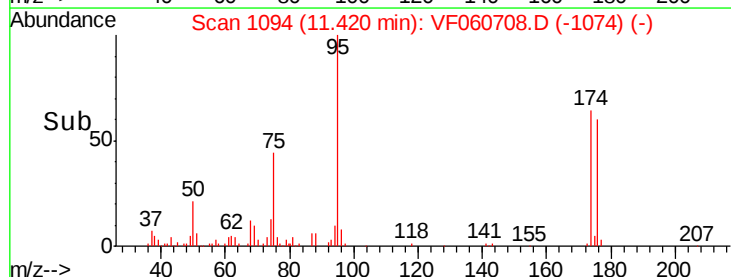
0

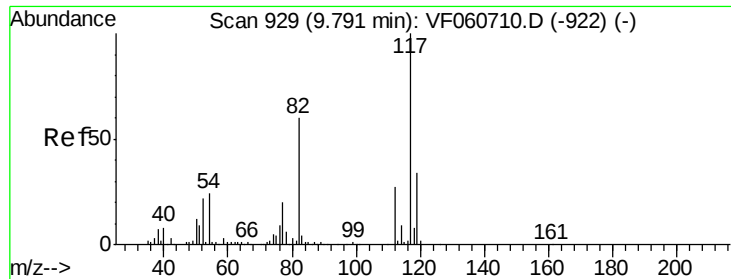
Time-->

11.40

11.42

11.50





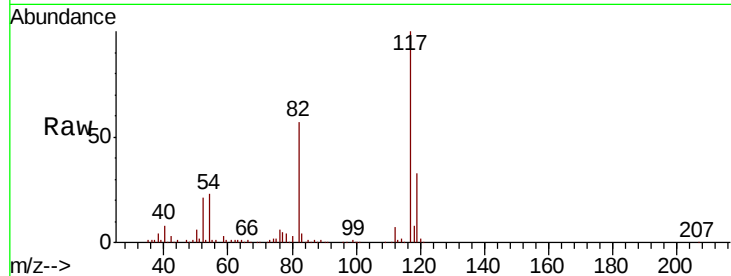
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.9	71.9
119	32.7	26.8	40.2

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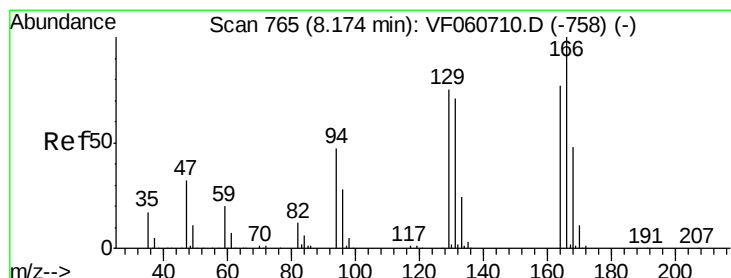
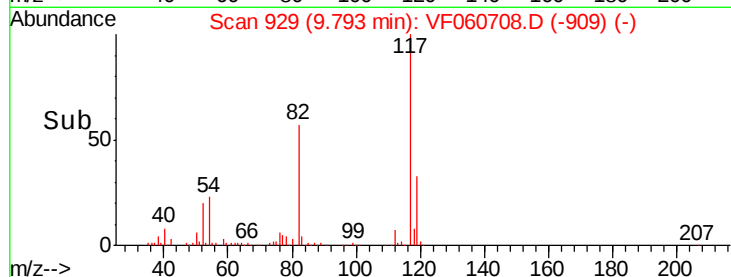
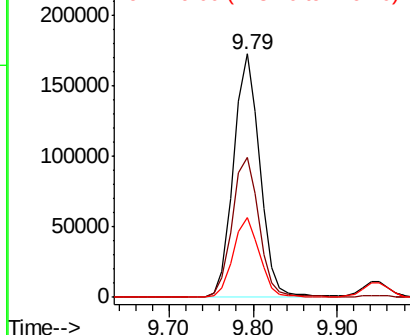


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 10.023 ug/l
RT: 8.17 min Scan# 765
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.5	155.3
129	99.3	77.4	116.2
131	95.1	73.5	110.3

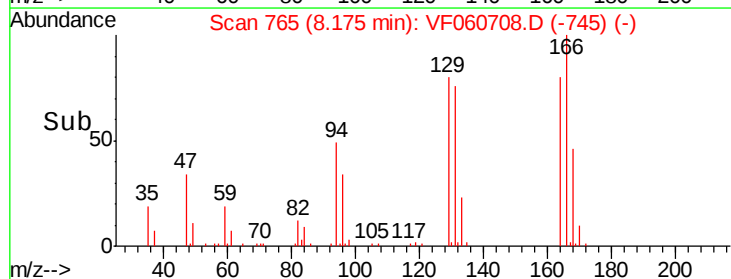
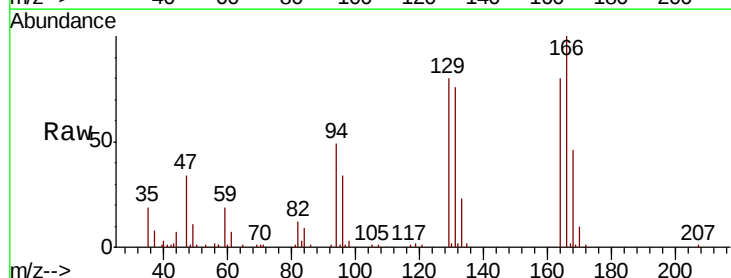
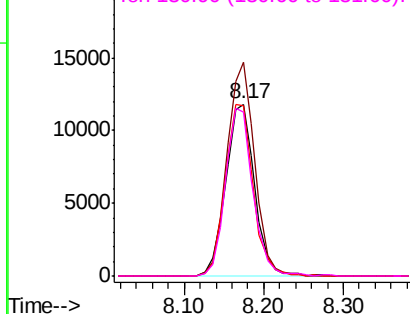
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





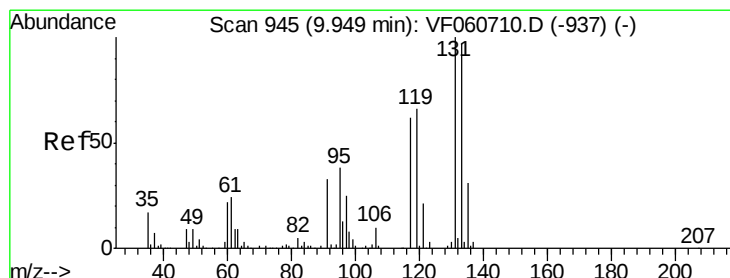
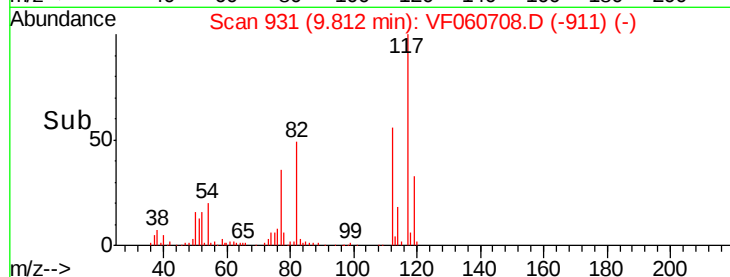
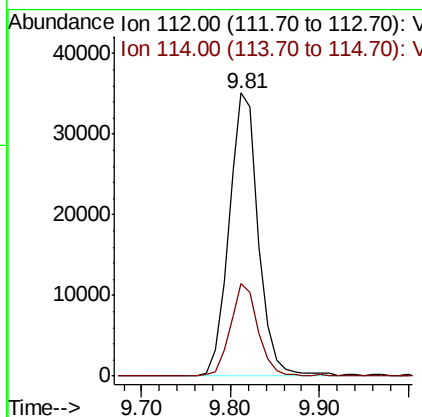
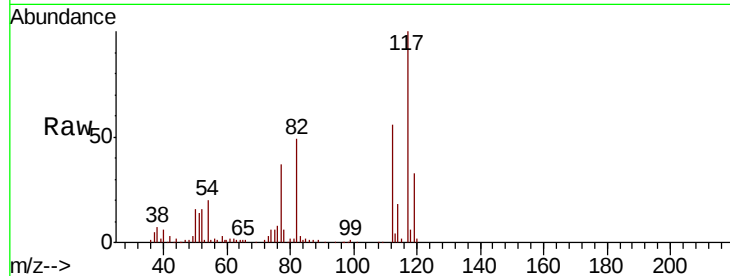
#65
Chlorobenzene
Concen: 10.618 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 80766
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

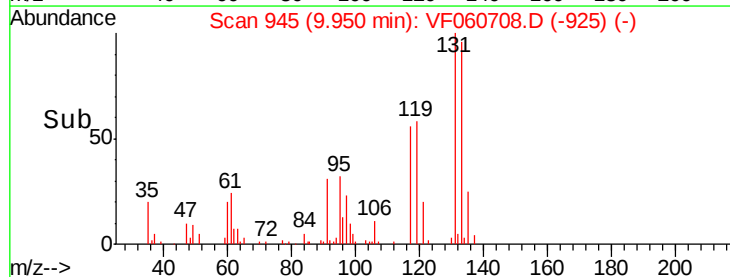
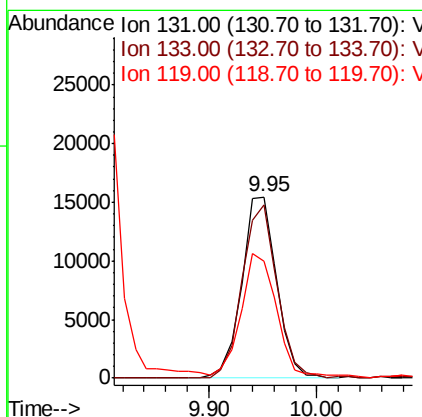
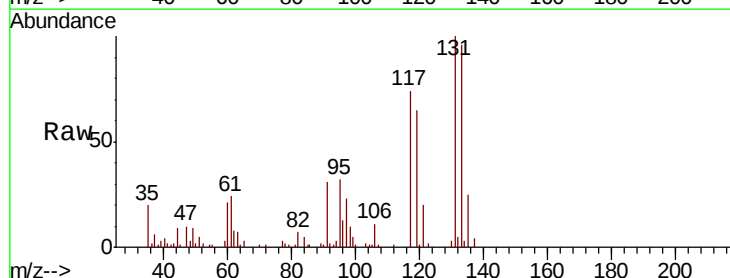
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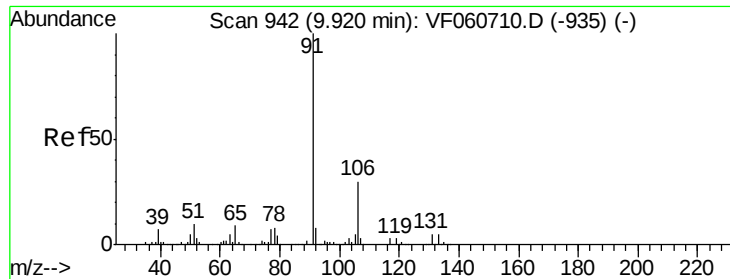
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.444 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion:131 Resp: 34650
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.8
119 64.6 33.2 99.6





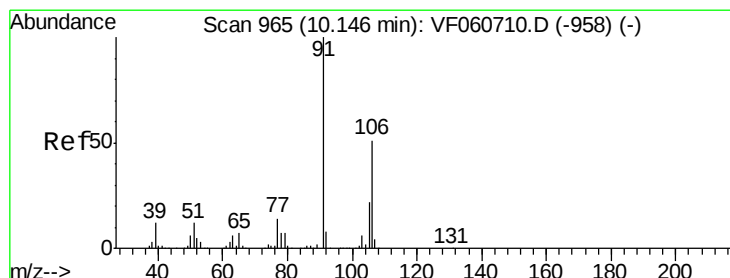
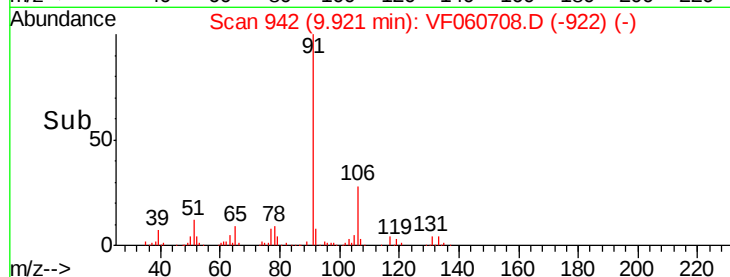
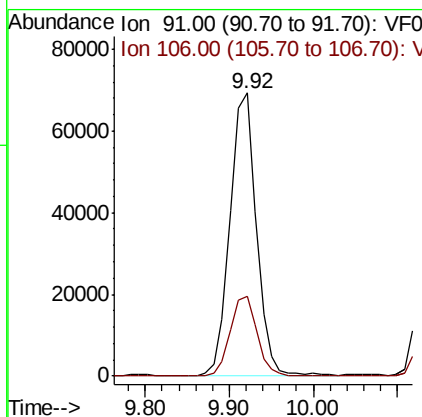
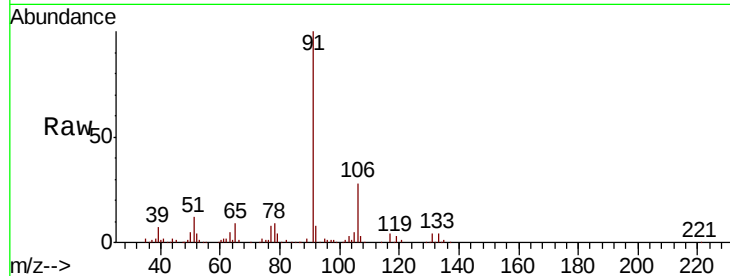
#67
Ethyl Benzene
Concen: 10.673 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.9	35.9

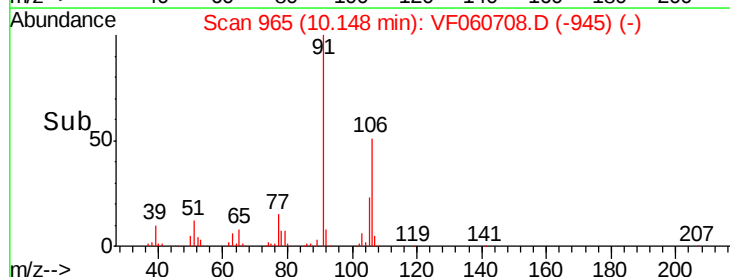
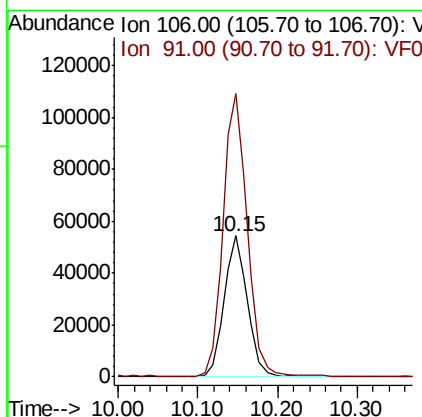
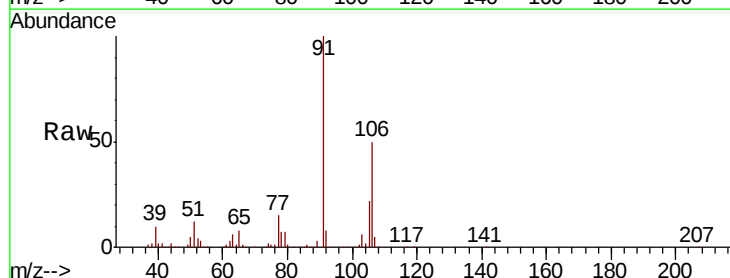
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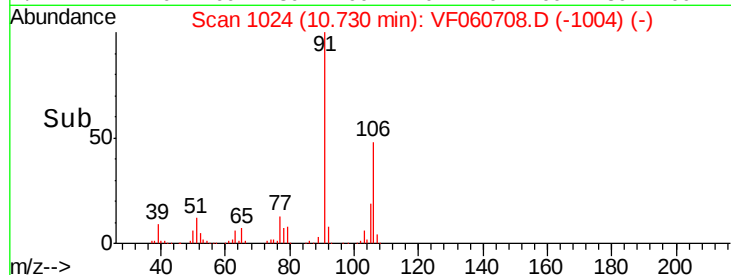
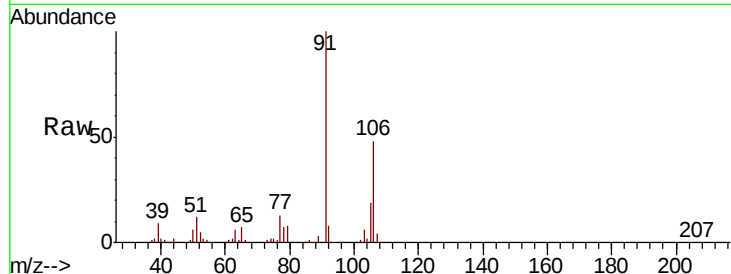
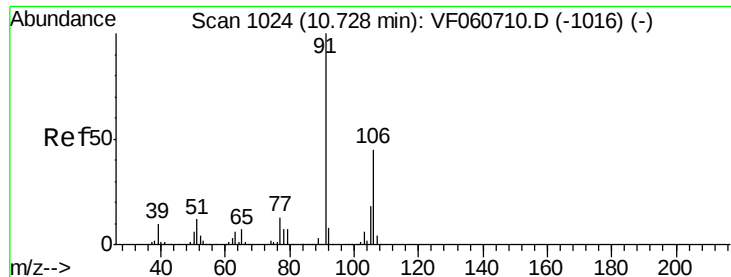
Sam
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#68
m/p-Xylenes
Concen: 21.938 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.4	158.2	237.2





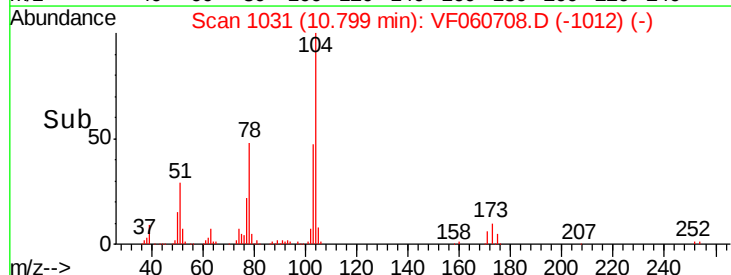
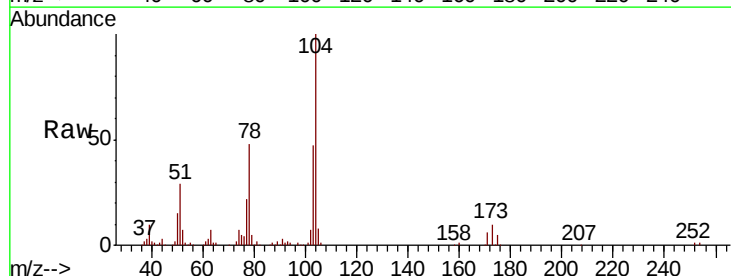
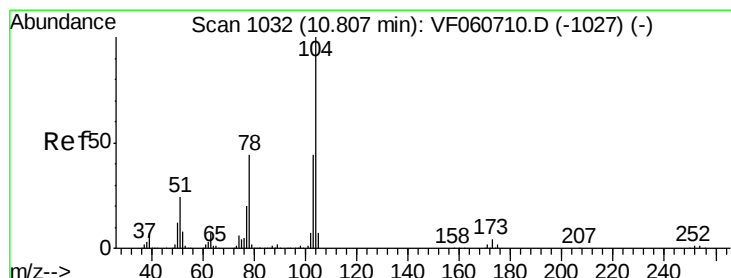
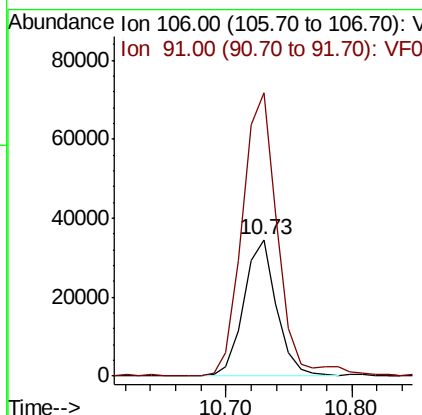
#69
o-Xylene
Concen: 10.837 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tot Ion:106 Resp: 62431
Ion Ratio Lower Upper
106 100
91 207.2 110.3 330.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

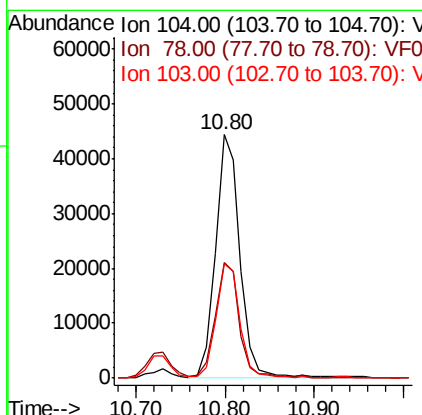
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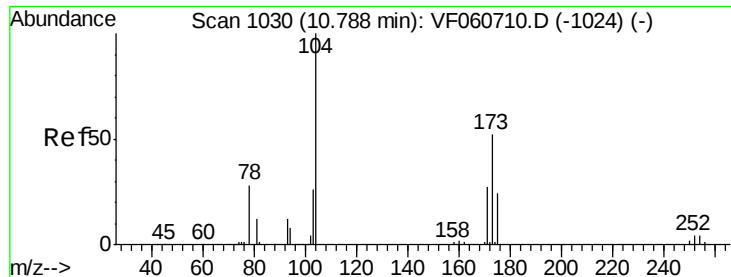
sam
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#70
Styrene
Concen: 10.878 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion:104 Resp: 85047
Ion Ratio Lower Upper
104 100
78 47.6 35.4 53.2
103 47.0 35.8 53.6





#71

Bromoform

Concen: 9.214 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 13746

Ion Ratio Lower Upper

173 100

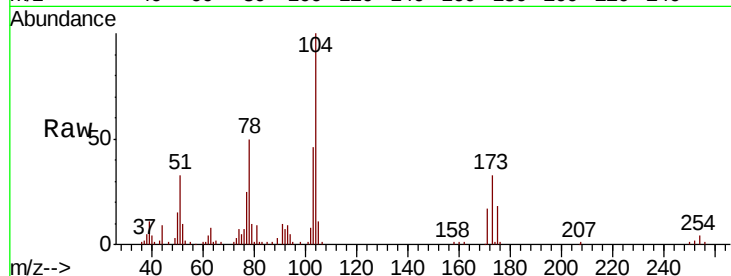
175 56.2 23.4 70.0

254 0.0 5.8 8.8#

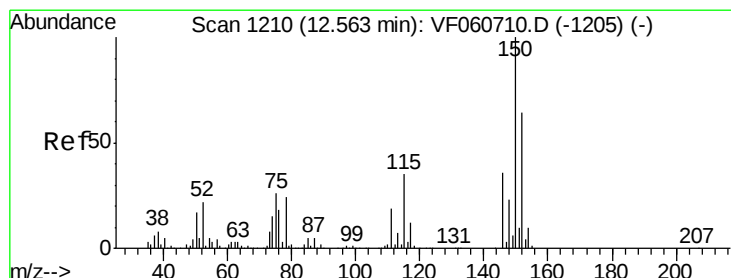
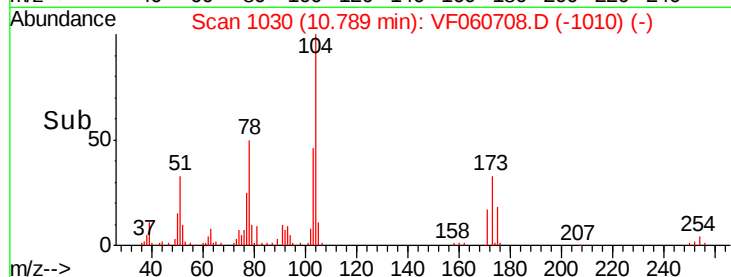
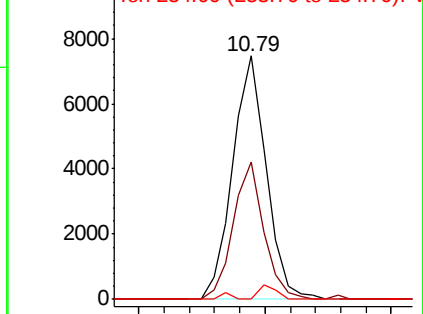
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

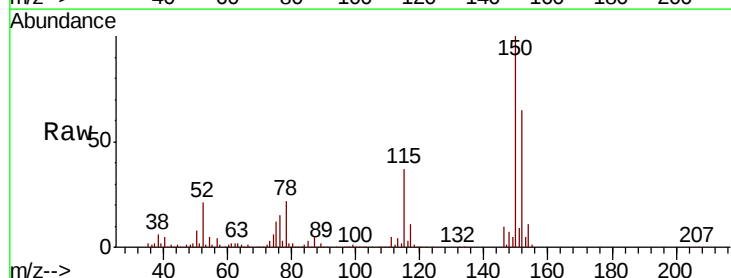
Tgt Ion:152 Resp: 215348

Ion Ratio Lower Upper

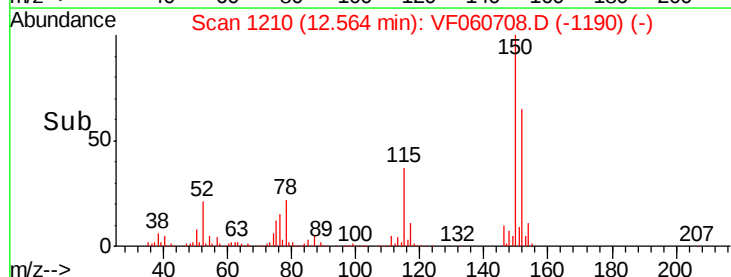
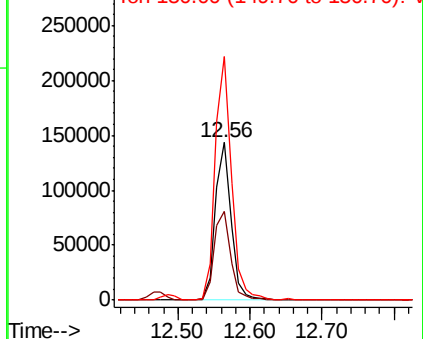
152 100

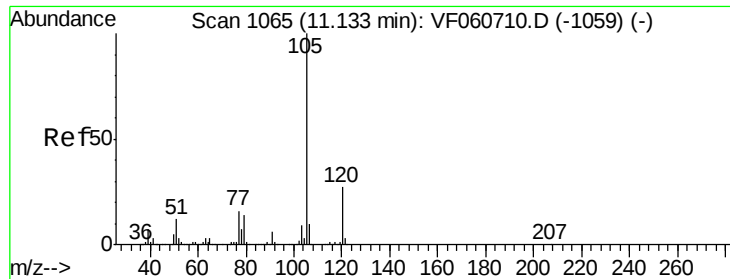
115 56.6 27.9 83.7

150 154.6 0.0 316.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.558 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 183007

Ion Ratio Lower Upper

105 100

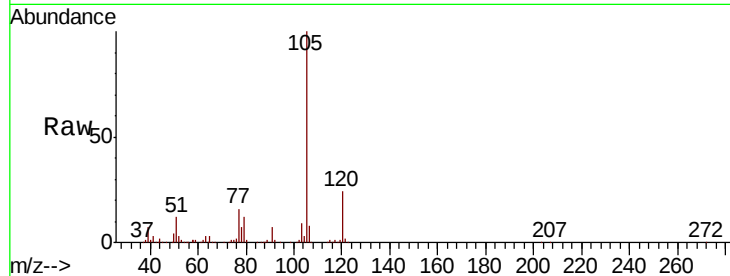
120 24.3 13.4 40.1

Manual Integrations

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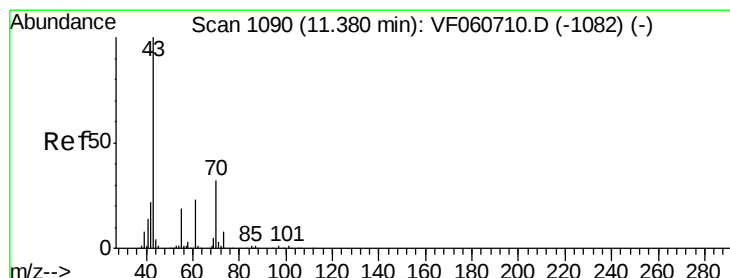
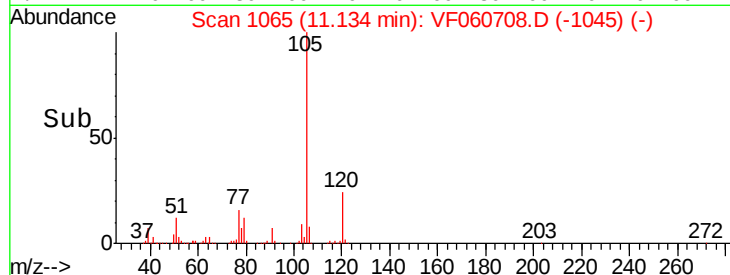
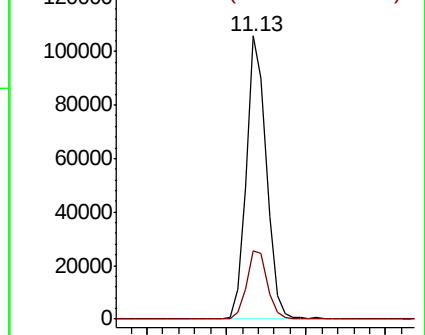
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.591 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion: 43 Resp: 41793

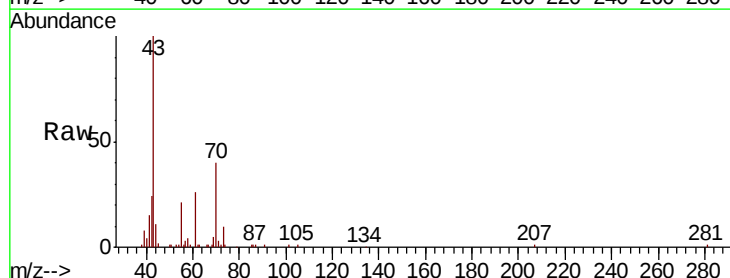
Ion Ratio Lower Upper

43 100

70 39.8 25.5 38.3#

55 21.3 14.9 22.3

61 25.7 18.6 27.8

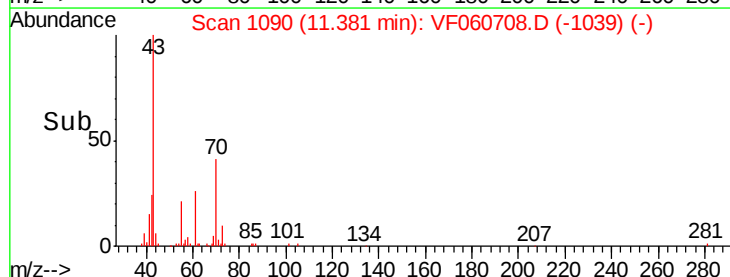
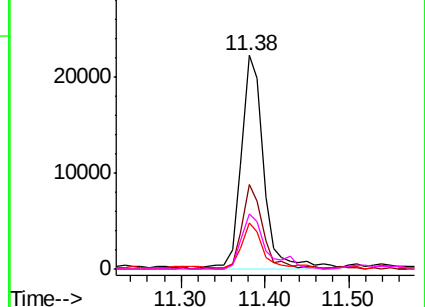


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 10.456 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

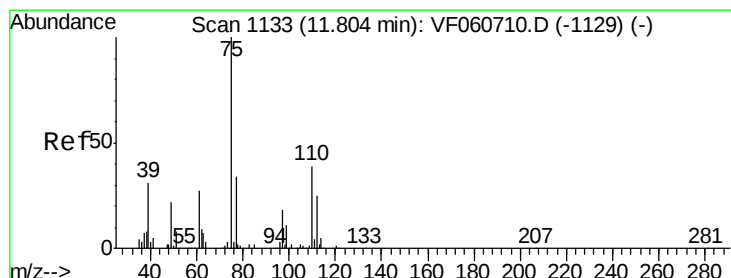
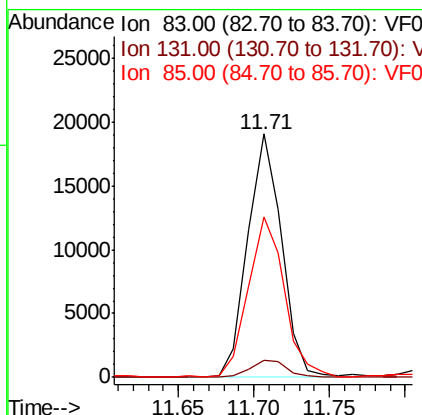
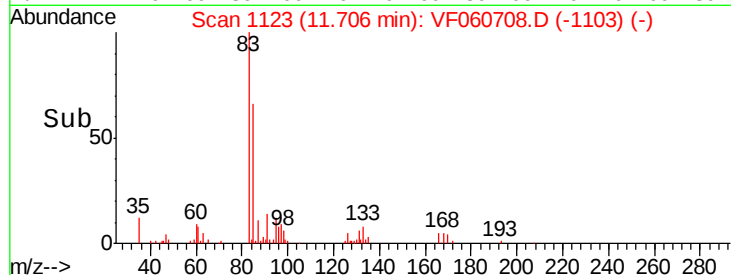
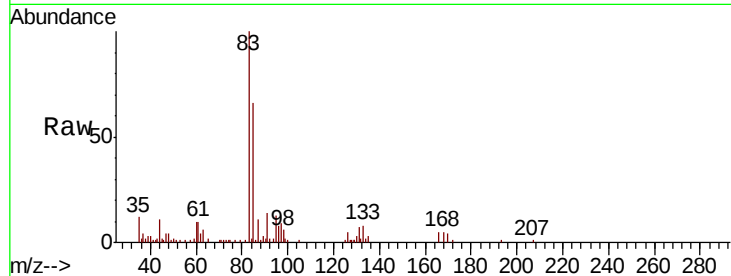
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	29966
Ion Ratio	Lower	Upper	
83	100		
131	6.9	4.2	12.4
85	65.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.799 ug/l

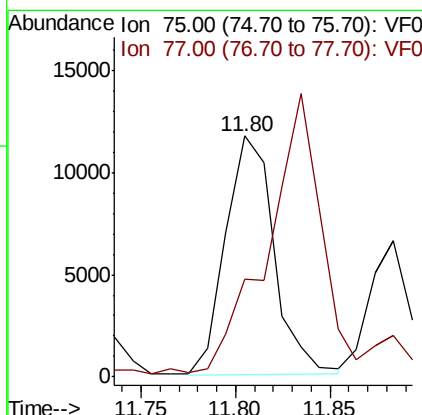
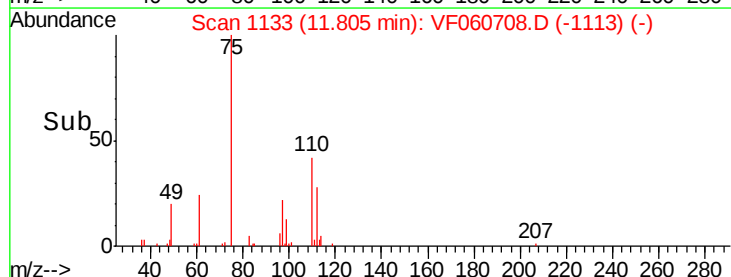
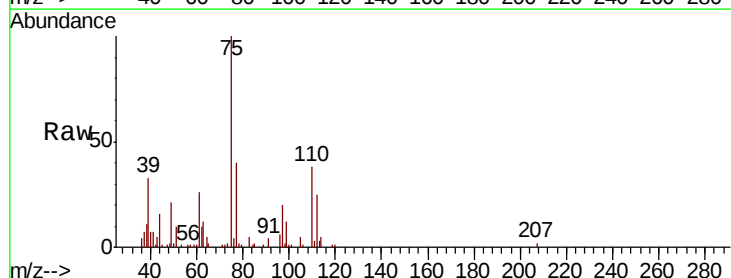
RT: 11.80 min Scan# 1133

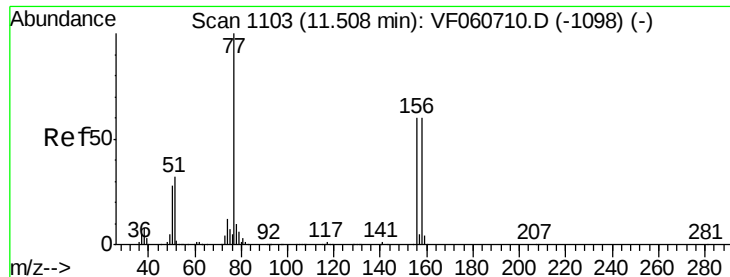
Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	75	Resp:	20856
Ion Ratio	Lower	Upper	
75	100		
77	40.4	17.0	51.0





#77

Bromobenzene

Concen: 10.252 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

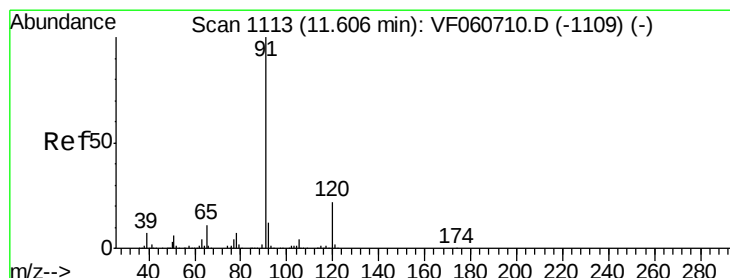
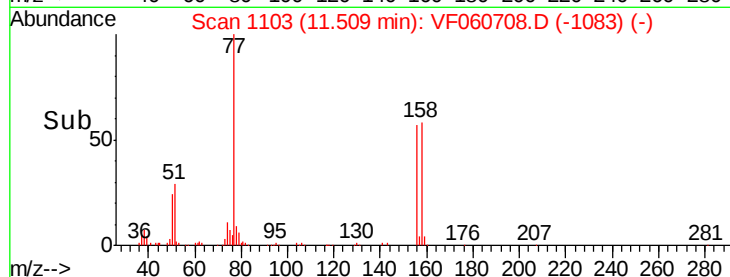
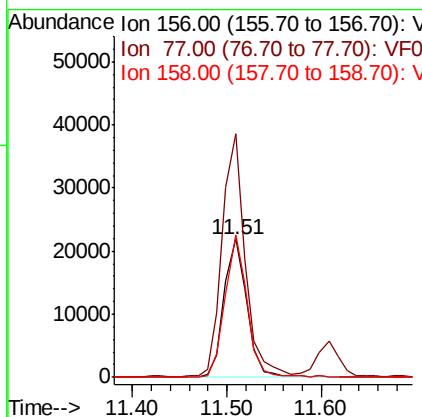
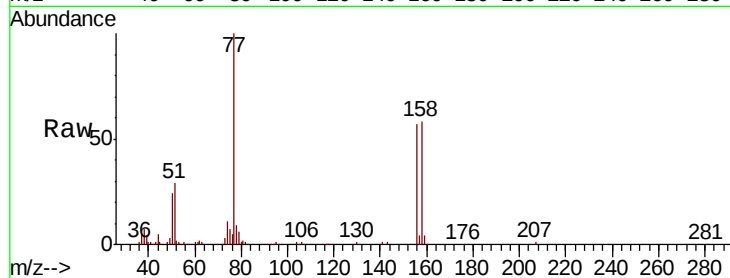
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	176.2	83.0	248.9	
158	102.7	49.6	149.0	

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#78

n-propylbenzene

Concen: 11.113 ug/l

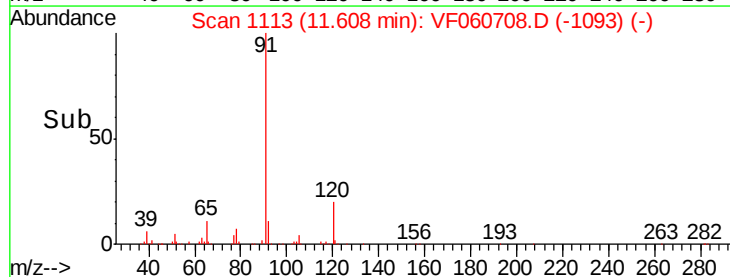
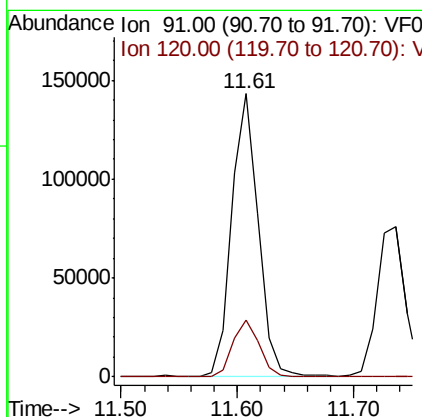
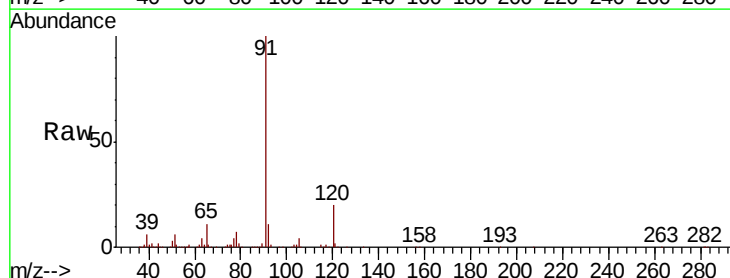
RT: 11.61 min Scan# 1113

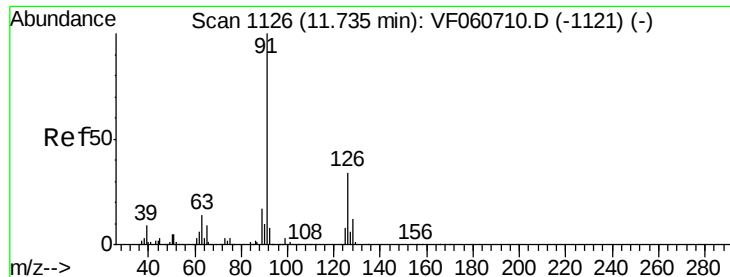
Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.1	11.2	33.5	





#79

2-Chlorotoluene

Concen: 10.764 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 126471

Ion Ratio Lower Upper

91 100

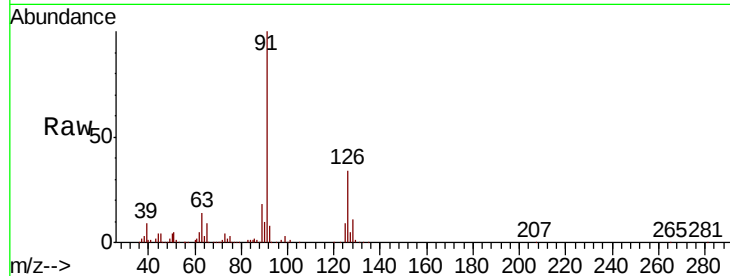
126 34.4 16.8 50.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF060710.D (-1121) (-)

Ion 126.00 (125.70 to 126.70): VF060710.D (-1121) (-)

11.74

80000

60000

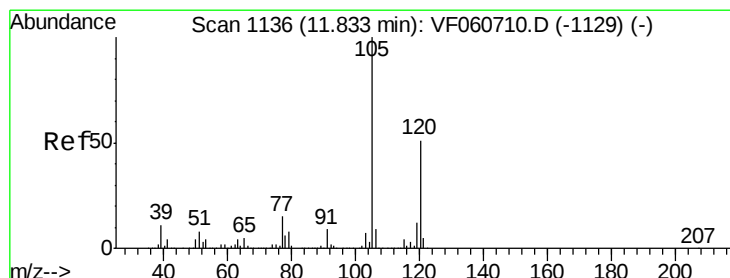
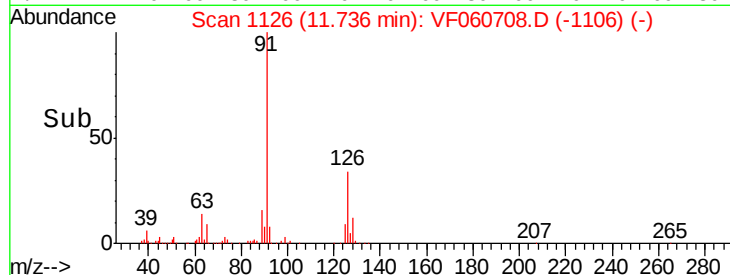
40000

20000

0

11.65 11.70 11.75 11.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.724 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060708.D

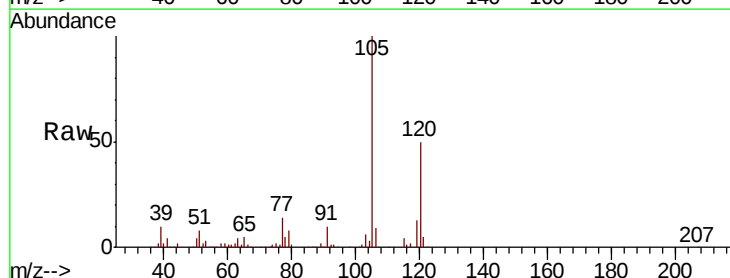
Acq: 13 Nov 2018 12:06

Tgt Ion: 105 Resp: 147579

Ion Ratio Lower Upper

105 100

120 50.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VF060710.D (-1129) (-)

Ion 120.00 (119.70 to 120.70): VF060710.D (-1129) (-)

11.83

100000

80000

60000

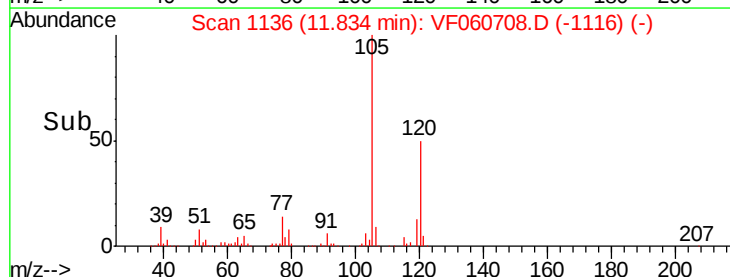
40000

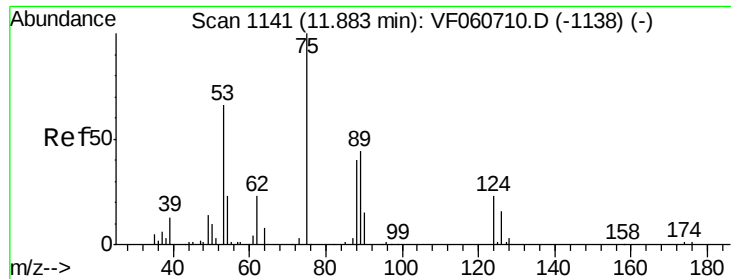
20000

0

11.80 11.90 12.00

Time-->





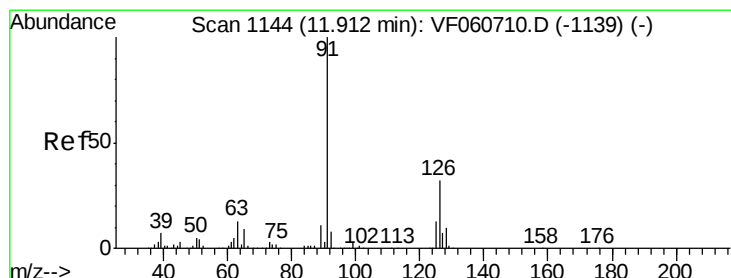
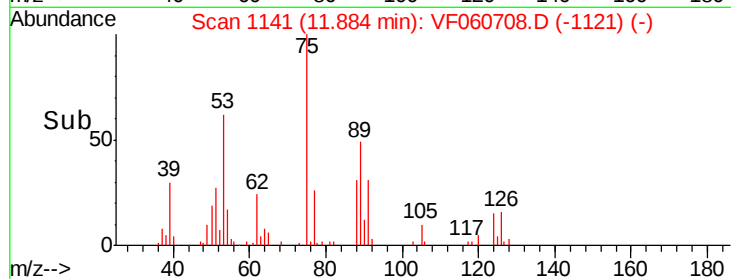
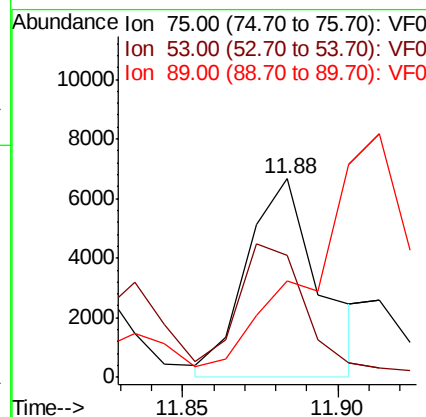
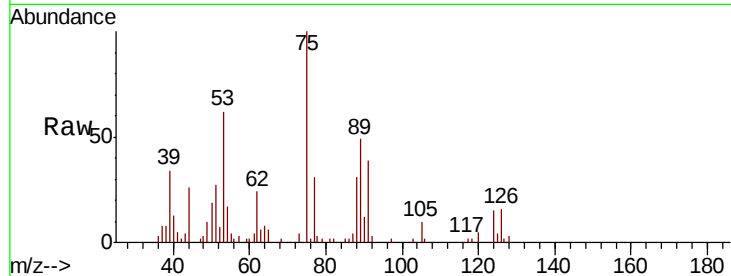
#81
trans-1,4-Dichloro-2-butene
Concen: 10.624 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	61.5	57.0	85.4
89	48.7	37.8	56.8

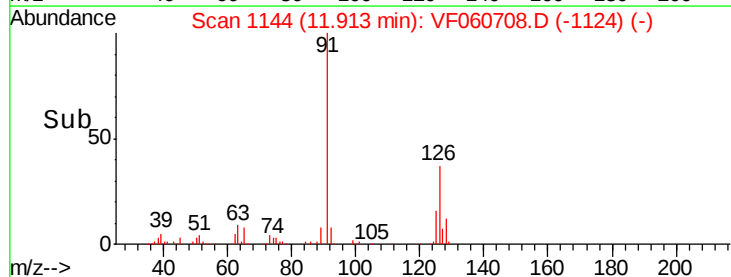
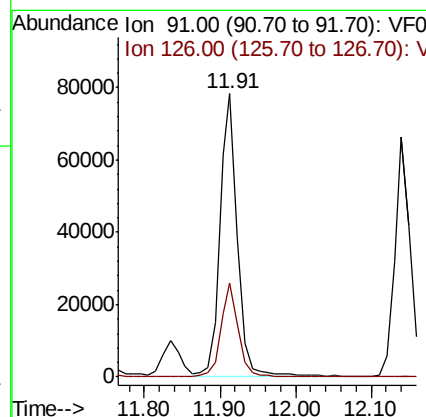
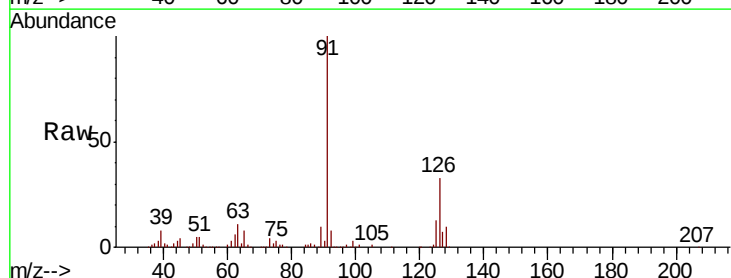
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#82
4-Chlorotoluene
Concen: 10.436 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.0	47.9





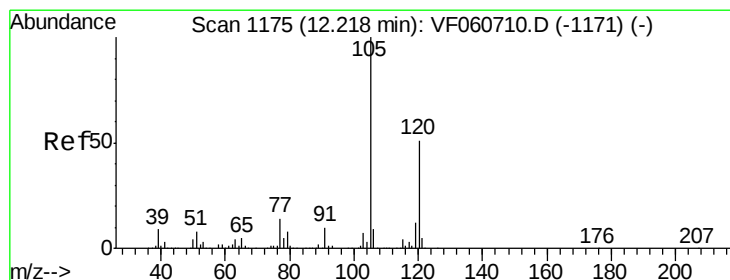
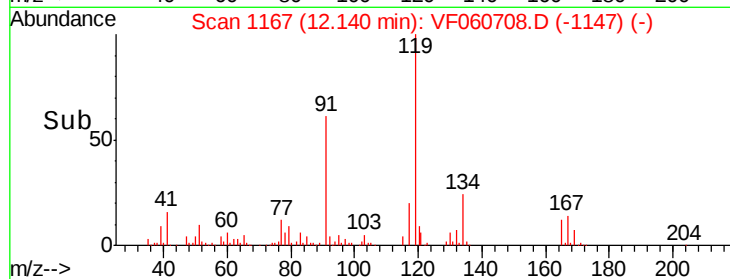
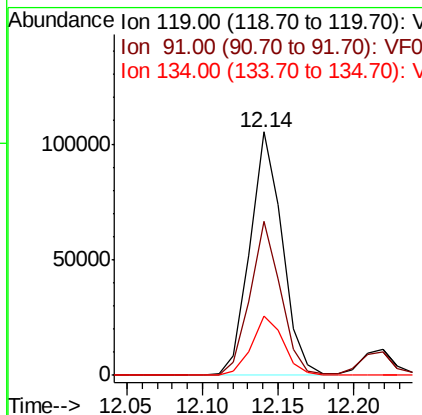
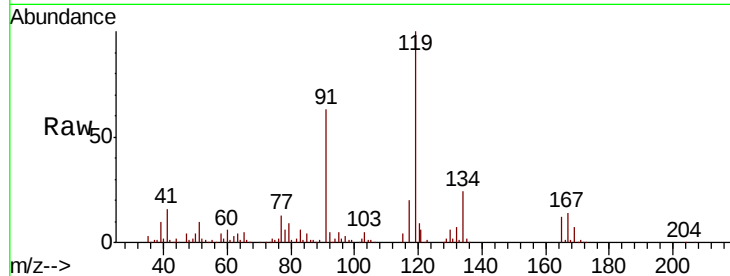
#83
tert-Butylbenzene
Concen: 10.774 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	157421		
91	63.1		31.4	94.3
134	24.3		12.8	38.4

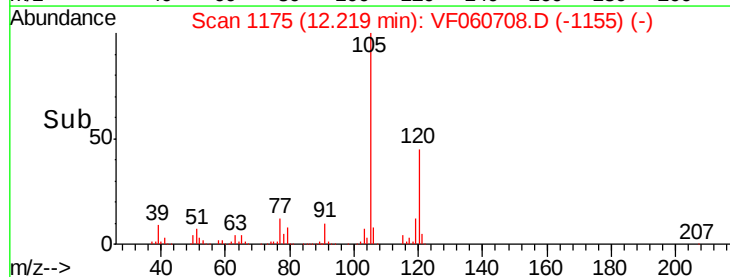
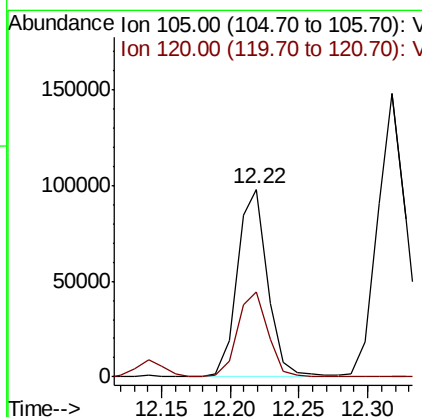
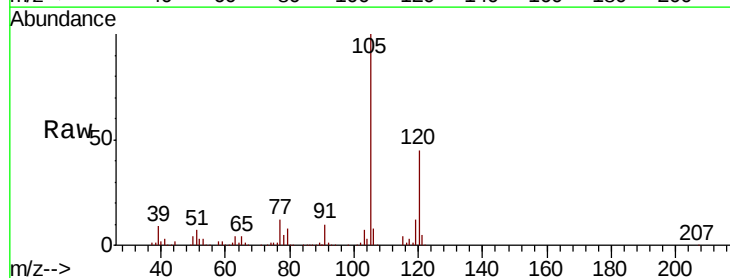
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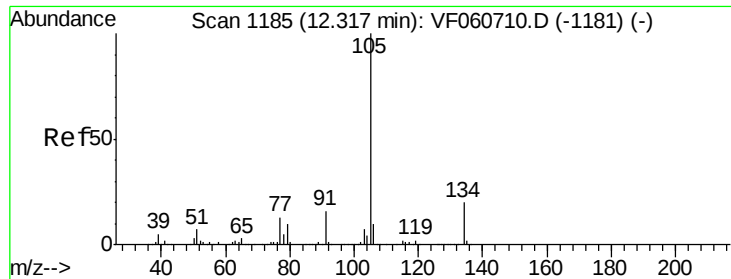
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#84
1,2,4-Trimethylbenzene
Concen: 10.540 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150009		
120	45.4		25.5	76.5





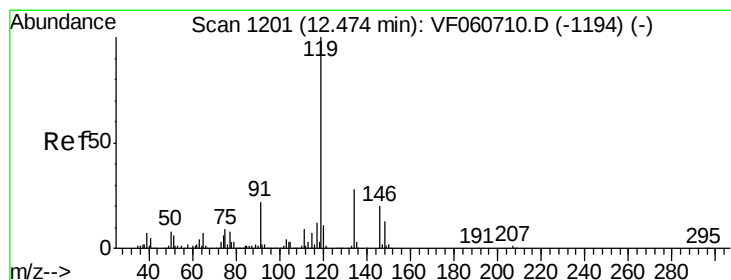
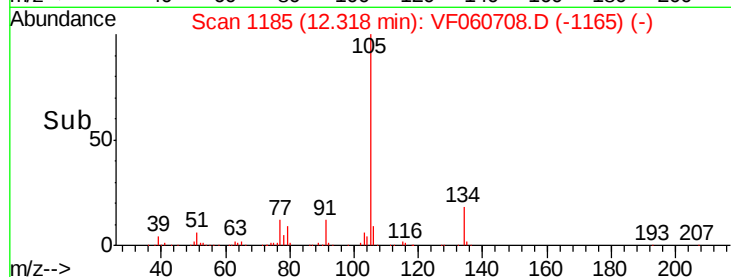
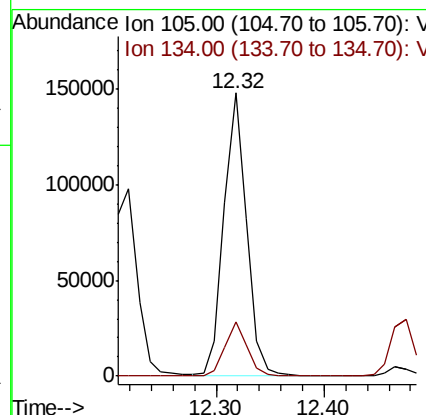
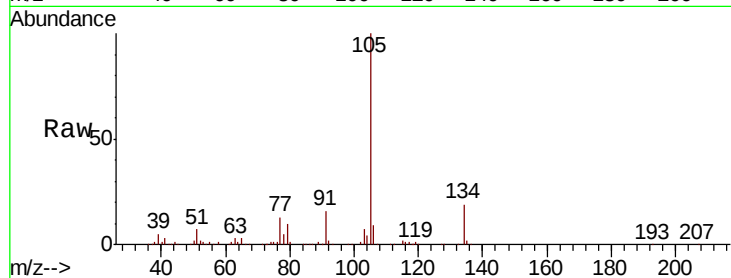
#85
 sec-Butylbenzene
 Concen: 10.847 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.1	30.3

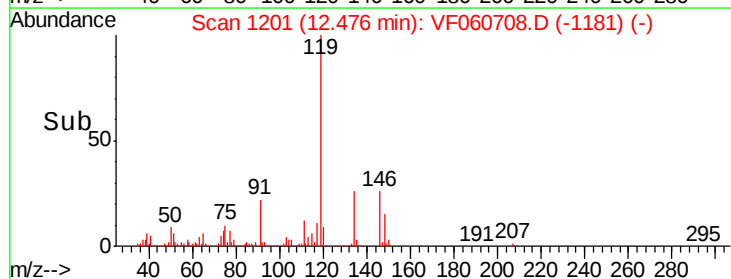
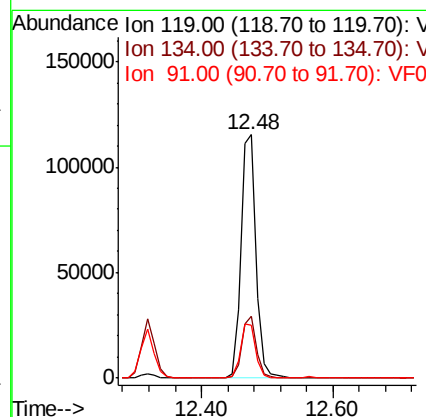
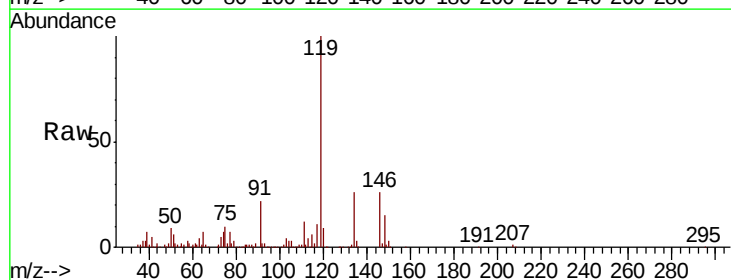
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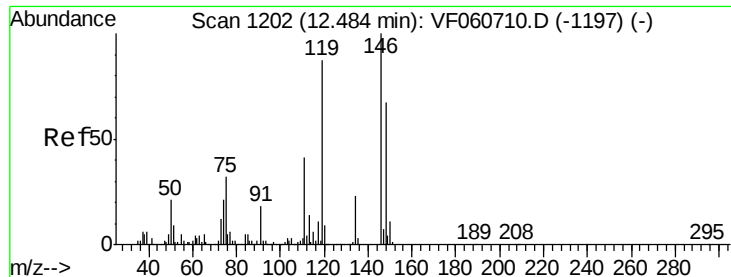
sam
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#86
 p-Isopropyltoluene
 Concen: 11.139 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.9	41.7
91	21.8	11.3	33.9





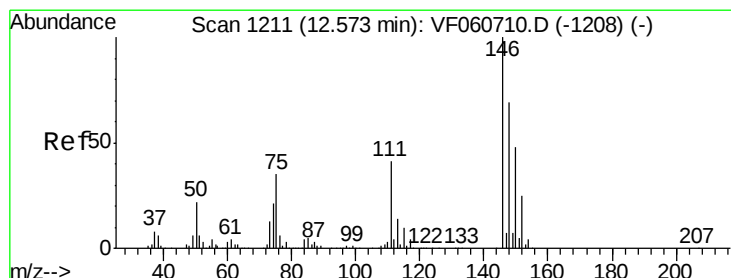
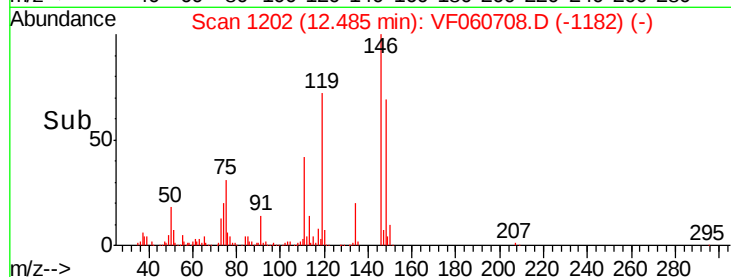
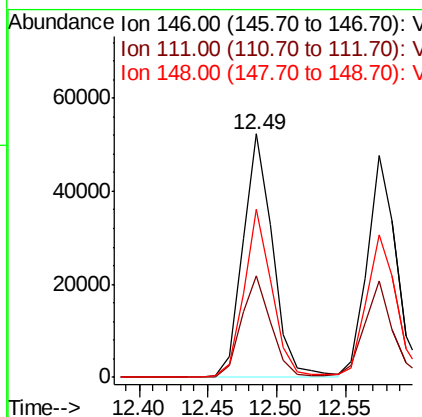
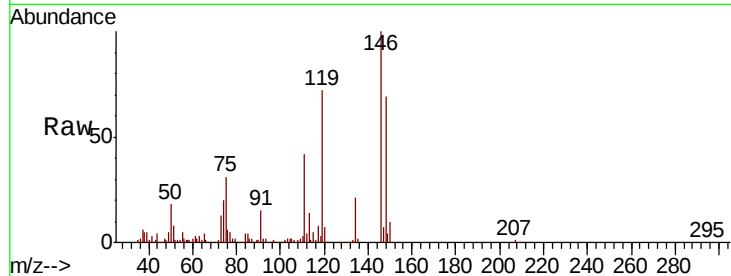
#87
 1,3-Dichlorobenzene
 Concen: 11.023 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	60.8
148	69.2	33.3	99.9

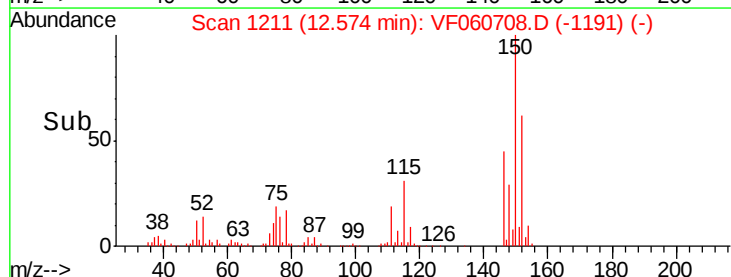
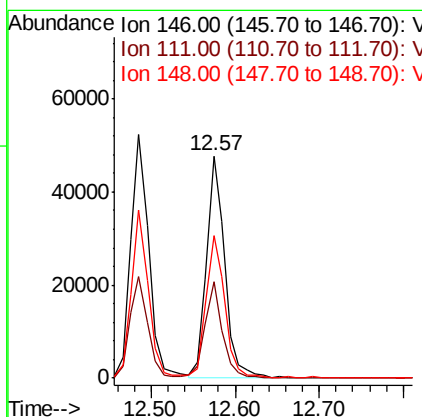
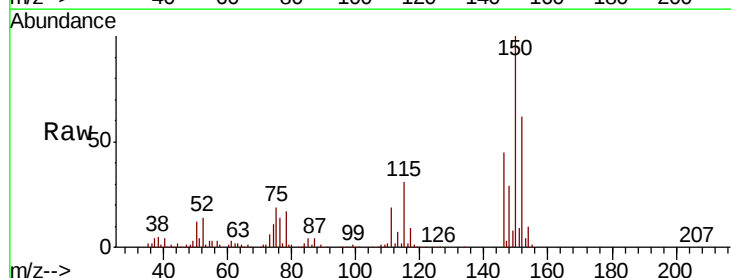
Manual Integrations
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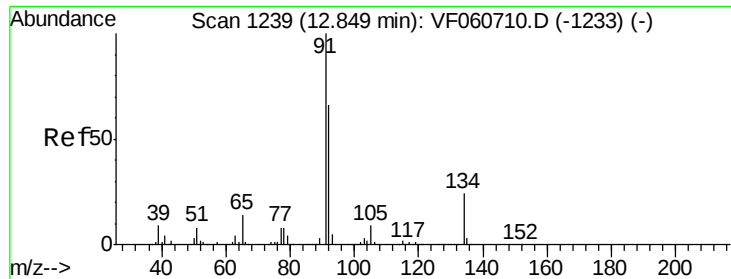
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#88
 1,4-Dichlorobenzene
 Concen: 10.502 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.6	61.9
148	64.3	34.7	104.1





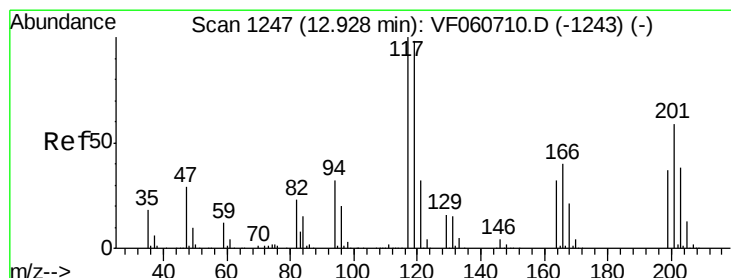
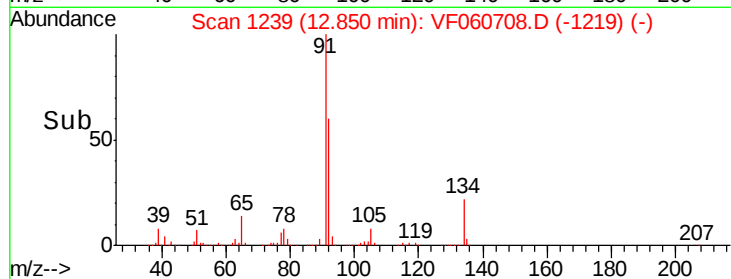
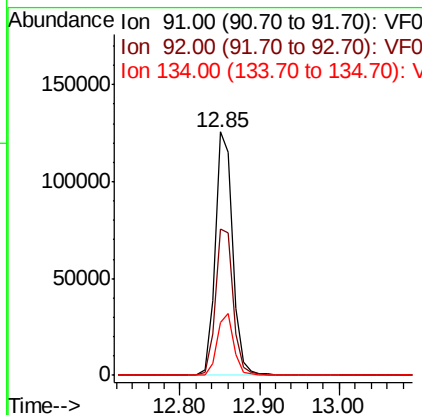
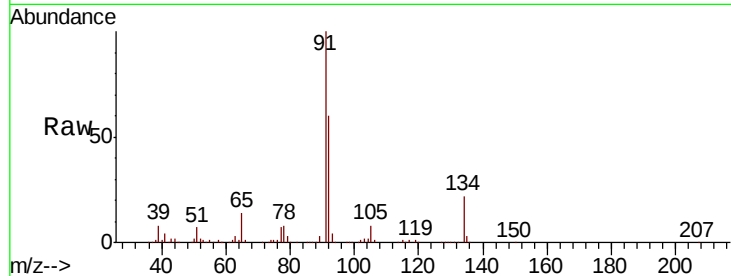
#89
n-Butylbenzene
Concen: 11.468 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	33.1	99.2
134	21.5	11.9	35.9

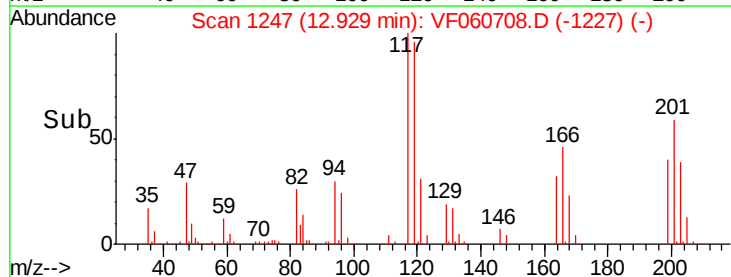
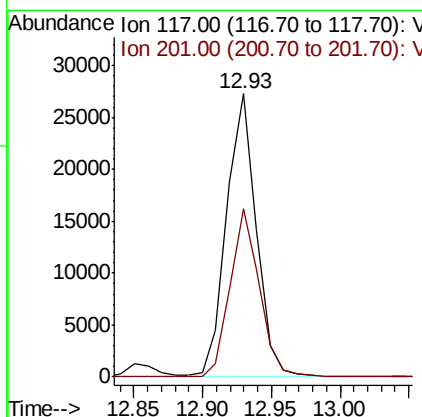
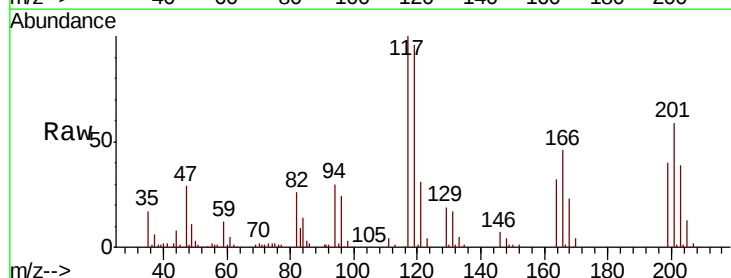
Manual Integrations
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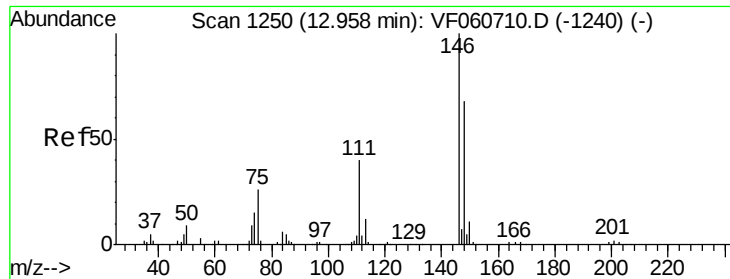
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#90
Hexachloroethane
Concen: 10.153 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060708.D
Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.3	29.4	88.3





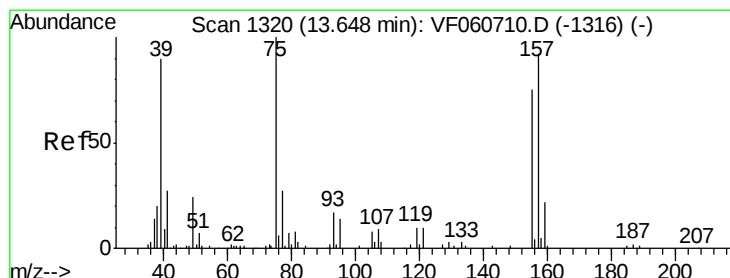
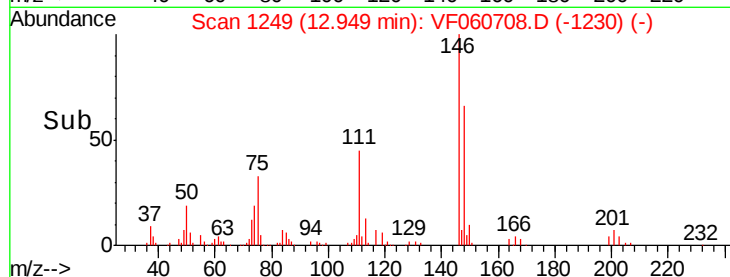
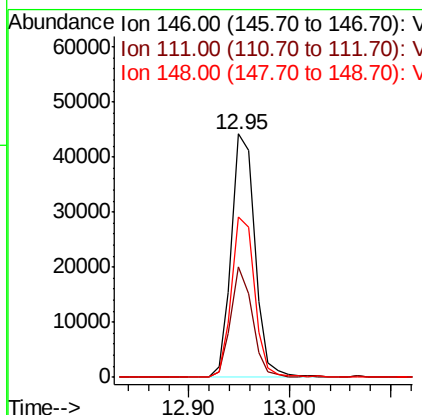
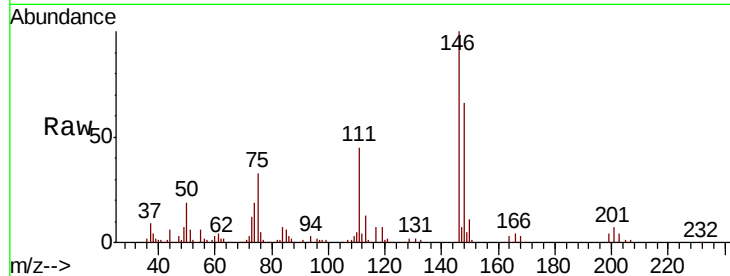
#91
 1,2-Dichlorobenzene
 Concen: 10.698 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.3	60.8
148	66.1	34.1	102.3

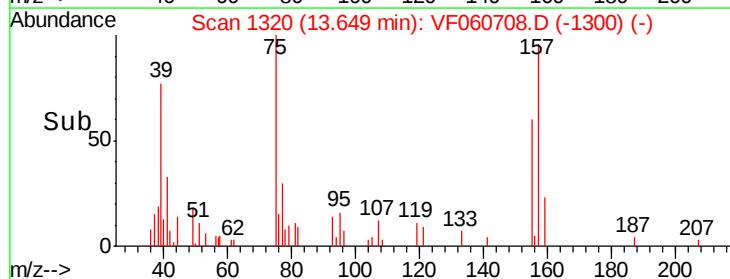
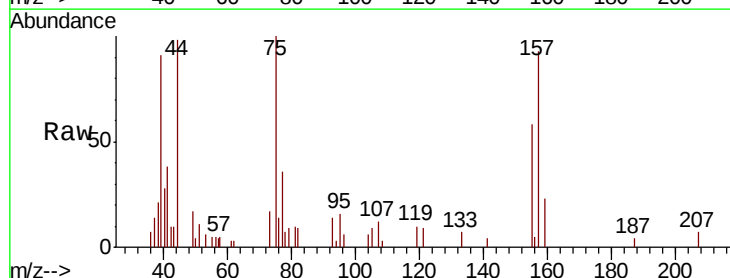
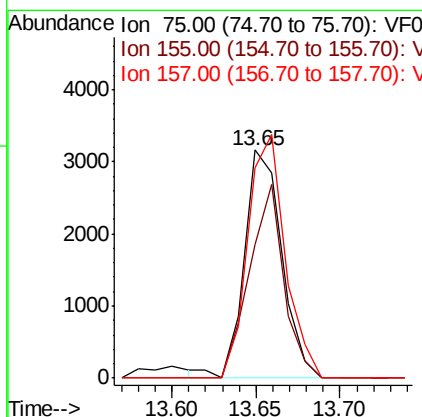
Manual Integrations
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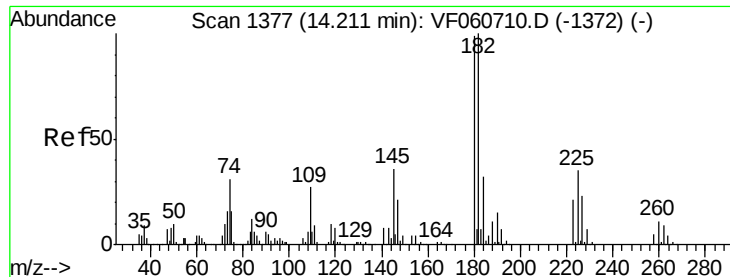
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.058 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.4	37.4	112.2
157	92.5	46.0	138.0





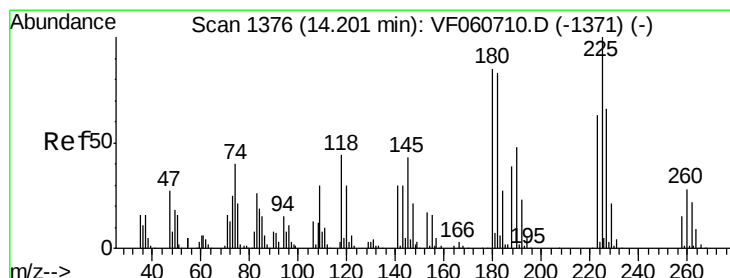
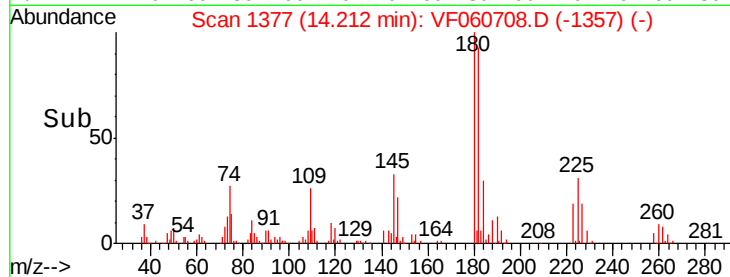
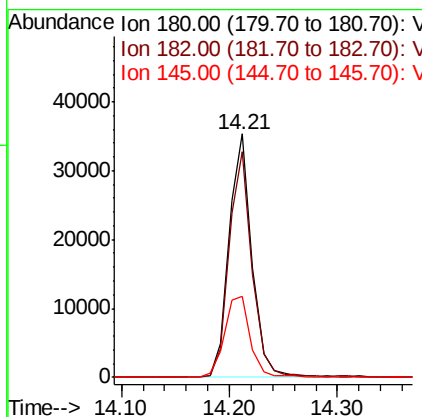
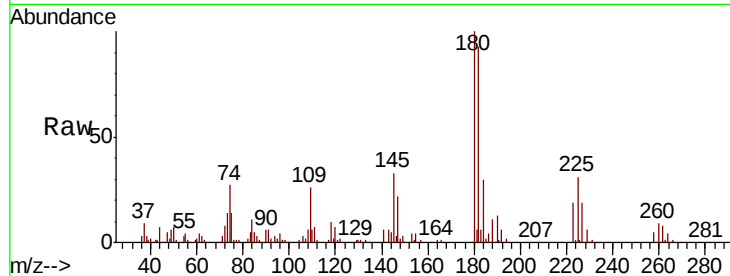
#93
 1,2,4-Trichlorobenzene
 Concen: 10.704 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52014		
182	92.6		50.3	151.0
145	33.0		18.3	54.9

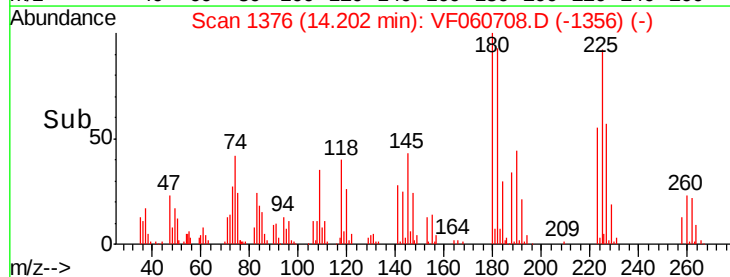
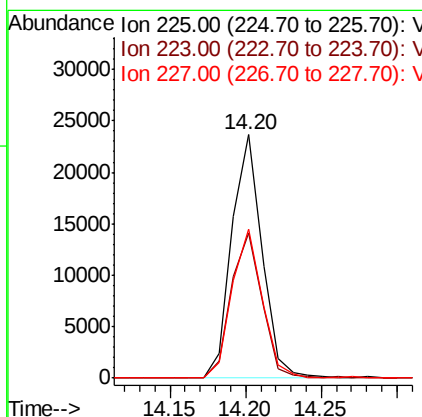
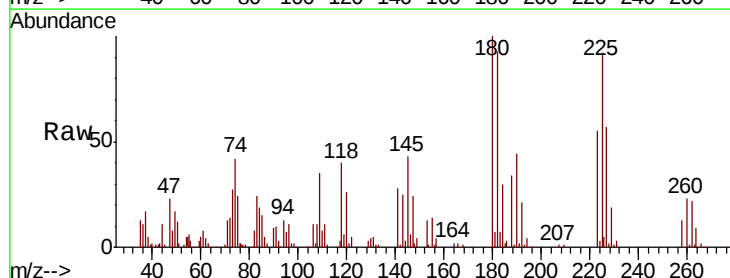
Manual Integrations
 APPROVED

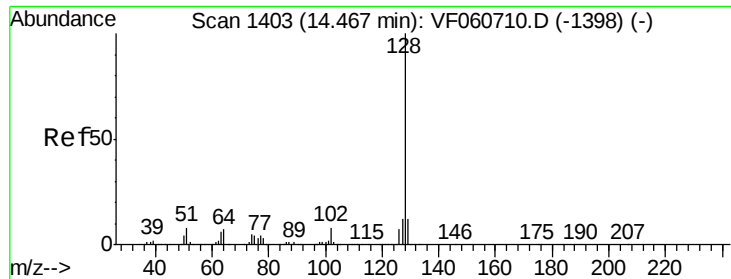
sam
 11/14/2018 11:53:31 AM



#94
 Hexachlorobutadiene
 Concen: 10.337 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060708.D
 Acq: 13 Nov 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32824		
223	59.5		31.5	94.5
227	61.3		33.0	99.0





#95

Naphthalene

Concen: 10.052 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Instrument :

MSVOA_F

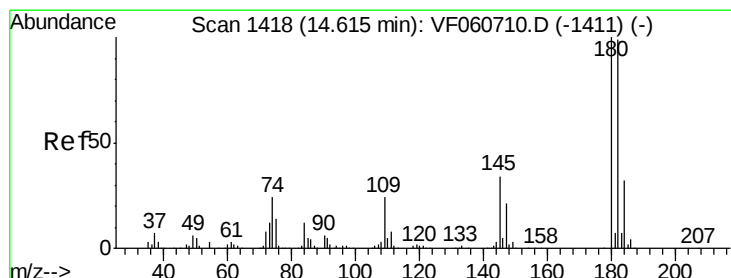
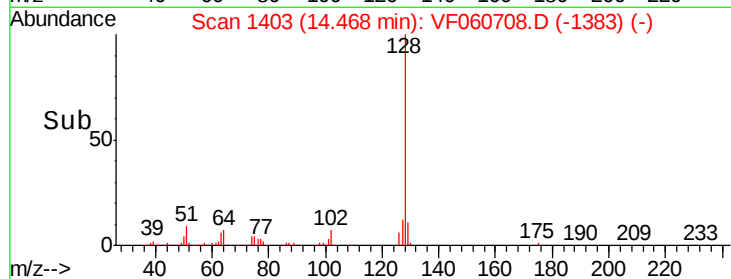
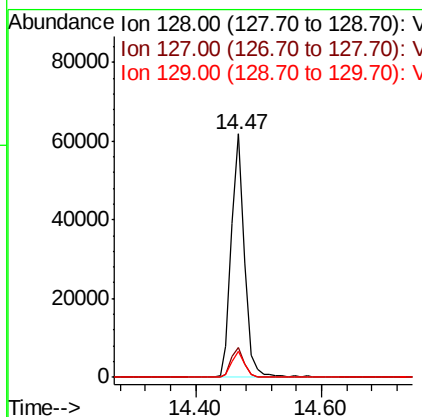
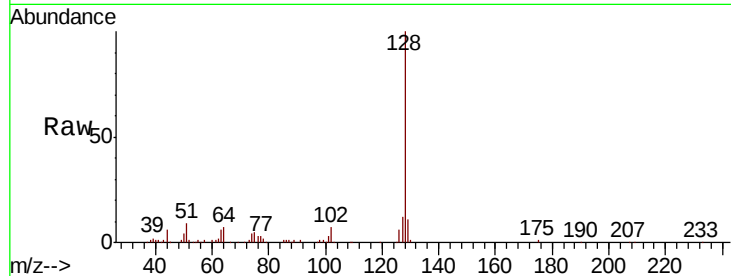
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	89132
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.8	14.6
129	10.7	9.3	13.9

Manual Integrations
APPROVED

sam
11/14/2018 11:53:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 9.985 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VF060708.D

Acq: 13 Nov 2018 12:06

Tgt Ion:	180	Resp:	44834
Ion Ratio	Lower	Upper	
180	100		
182	102.7	49.6	149.0
145	33.3	16.9	50.7

