

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060198.D
 Acq On : 6 Sep 2018 12:15
 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

apatel
 9/7/2018 10:50:01 AM

Quant Time: Sep 07 02:09:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	165693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	235632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	143609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	28809	10.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.02%	
35) Dibromofluoromethane	4.28	113	23190	9.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	19.98%	
50) Toluene-d8	7.70	98	59035	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
62) 4-Bromofluorobenzene	11.51	95	30022	9.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	34116m	11.24	ug/l	
3) Chloromethane	1.08	50	16356	9.81	ug/l	95
4) Vinyl Chloride	1.13	62	13084	10.33	ug/l	94
5) Bromomethane	1.32	94	10886	9.54	ug/l	96
6) Chloroethane	1.40	64	7625	9.23	ug/l	90
7) Trichlorofluoromethane	1.49	101	41327	11.59	ug/l	86
8) Diethyl Ether	1.70	74	5191	9.77	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.87	101	18054	10.30	ug/l	93
10) Methyl Iodide	1.92	142	15947	10.39	ug/l	91
11) Tert butyl alcohol	2.69	59	4356	34.09	ug/l #	71
12) 1,1-Dichloroethene	1.84	96	12194	10.32	ug/l	81
13) Acrolein	2.09	56	3473m	51.24	ug/l	
14) Allyl chloride	2.19	41	17388	9.81	ug/l	98
15) Acrylonitrile	3.08	53	10031	46.08	ug/l	86
16) Acetone	2.34	43	25935	41.40	ug/l	99
17) Carbon Disulfide	1.85	76	34384	9.95	ug/l	100
18) Methyl Acetate	2.45	43	8813	8.70	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	38019	9.75	ug/l	97
20) Methylene Chloride	2.28	84	26145	13.84	ug/l #	83
21) trans-1,2-Dichloroethene	2.41	96	11749	9.77	ug/l	91
22) Diisopropyl ether	2.92	45	44734	10.05	ug/l #	97
23) Vinyl Acetate	3.33	43	53281	34.20	ug/l	98
24) 1,1-Dichloroethane	3.00	63	29042	10.03	ug/l	97
25) 2-Butanone	4.51	43	39218	49.17	ug/l	94
26) 2,2-Dichloropropane	3.76	77	27672	7.89	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	15328	9.83	ug/l	88
28) Bromochloromethane	3.89	49	11150	11.43	ug/l	96
29) Tetrahydrofuran	4.25	42	10570	39.81	ug/l	90
30) Chloroform	4.03	83	41667	9.75	ug/l	100
31) Cyclohexane	3.85	56	20925	10.70	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	44041	10.38	ug/l	90
36) 1,1-Dichloropropene	4.46	75	27682	10.03	ug/l	99
37) Ethyl Acetate	4.29	43	13095	8.62	ug/l #	66
38) Carbon Tetrachloride	4.16	117	36388	9.43	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	22359	9.59	ug/l	99
40) Benzene	4.80	78	48317	9.84	ug/l	96
41) Methacrylonitrile	4.92	41	6950	9.65	ug/l #	88
42) 1,2-Dichloroethane	5.11	62	34715	9.63	ug/l	99
43) Isopropyl Acetate	7.10	43	13763	8.46	ug/l #	92
44) Trichloroethene	5.66	130	20977	10.37	ug/l	80
45) 1,2-Dichloropropane	6.40	63	14594	10.40	ug/l #	87
46) Dibromomethane	6.24	93	11302	9.01	ug/l #	83
47) Bromodichloromethane	6.55	83	31000	9.15	ug/l #	85
48) Methyl methacrylate	6.86	41	11257	8.74	ug/l	89
49) 1,4-Dioxane	6.89	88	137m	4.71	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	61344	42.43	ug/l	96
52) Toluene	7.77	92	39243	10.31	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	22530	7.97	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	24686	8.51	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	12702	8.88	ug/l	93
56) Ethyl methacrylate	8.76	69	13627	8.46	ug/l	88
57) 1,3-Dichloropropane	8.99	76	25223	10.01	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	8471	49.31	ug/l	100
59) 2-Hexanone	9.62	43	40821	37.49	ug/l	95
60) Dibromochloromethane	8.85	129	21707	9.20	ug/l	82
61) 1,2-Dibromoethane	9.13	107	16181	9.48	ug/l	87
64) Tetrachloroethene	8.29	164	31311	11.42	ug/l	91
65) Chlorobenzene	9.93	112	49911	10.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	22144	10.33	ug/l	96
67) Ethyl Benzene	10.03	91	92591	10.28	ug/l	98
68) m/p-Xylenes	10.26	106	62625	20.75	ug/l	99
69) o-Xylene	10.83	106	34878	10.77	ug/l	93
70) Styrene	10.89	104	52398	10.70	ug/l	97
71) Bromoform	10.88	173	10966	8.76	ug/l #	99
73) Isopropylbenzene	11.22	105	107491	10.85	ug/l	93
74) N-amyl acetate	11.46	43	11914	7.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	14557	9.79	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	16171	10.28	ug/l	75
77) Bromobenzene	11.58	156	28951	11.20	ug/l	88
78) n-propylbenzene	11.68	91	126198	10.68	ug/l	97
79) 2-Chlorotoluene	11.81	91	76022	10.63	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	93630	10.74	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	3216m	6.34	ug/l	
82) 4-Chlorotoluene	11.98	91	86834	10.96	ug/l	99
83) tert-Butylbenzene	12.21	119	84290	10.67	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	93537	10.52	ug/l	96
85) sec-Butylbenzene	12.38	105	117713	10.85	ug/l	98
86) p-Isopropyltoluene	12.53	119	103332	10.65	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	48686	10.35	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	48304	10.40	ug/l	93
89) n-Butylbenzene	12.92	91	93944	10.04	ug/l	95
90) Hexachloroethane	12.98	117	17869	9.05	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	48247	10.74	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	3229	8.51	ug/l #	61

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Quant Title : SW846 8260
QLast Update : Fri Sep 07 01:56:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	32141	9.28	ug/l	97
94) Hexachlorobutadiene	14.26	225	23662	9.55	ug/l	95
95) Naphthalene	14.52	128	33171	6.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	28595	8.82	ug/l	93

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

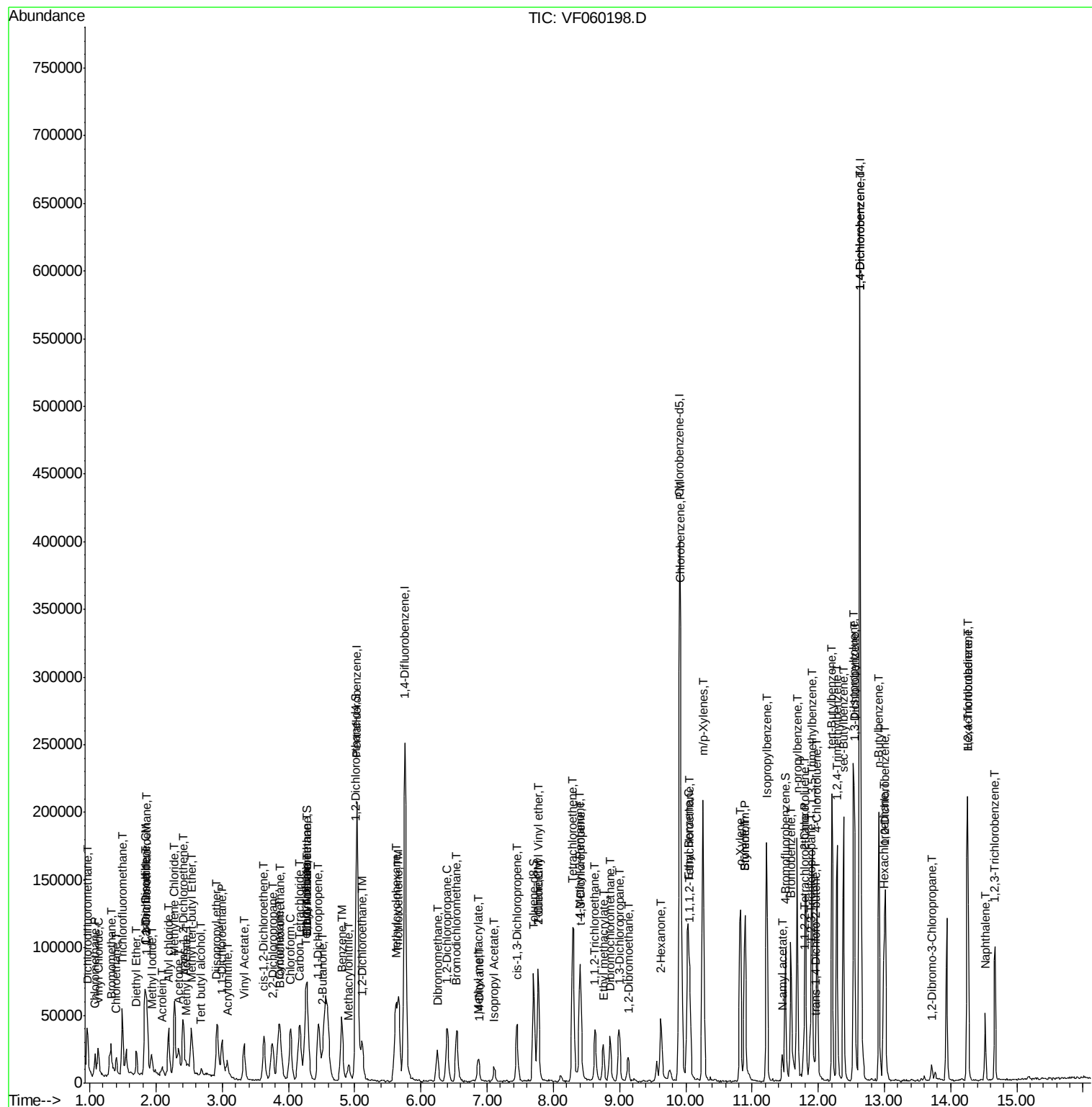
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Data File : VF060198.D
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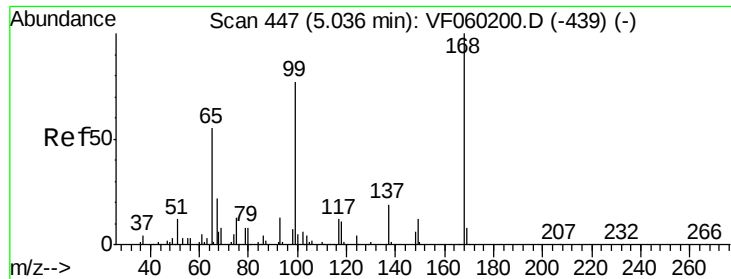
Instrument :
MSVOA_F
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#1

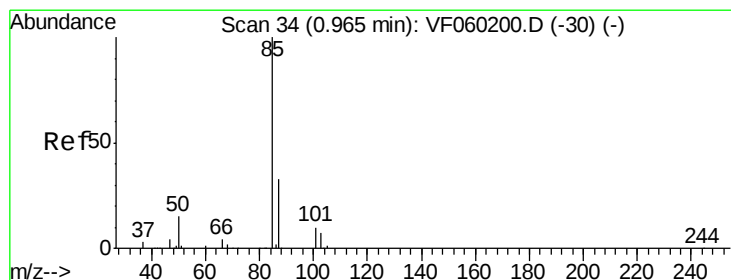
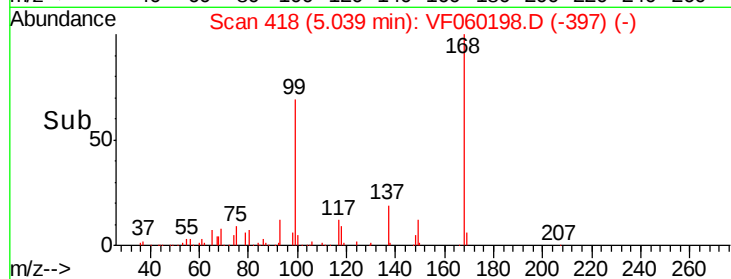
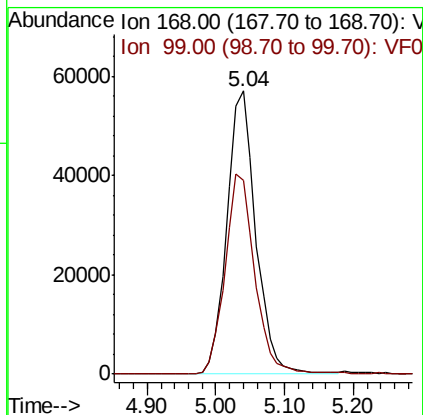
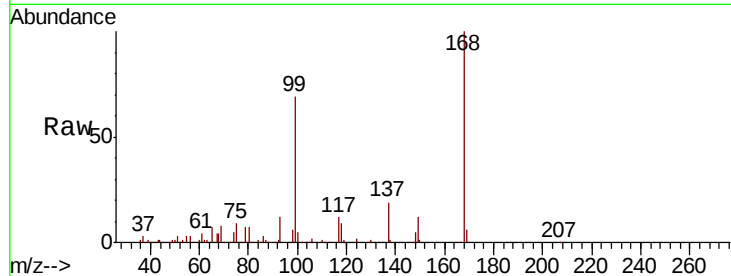
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
168	100		
99	68.6	61.8	92.6

Manual Integrations
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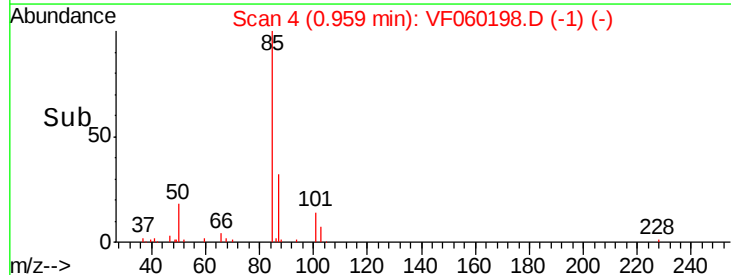
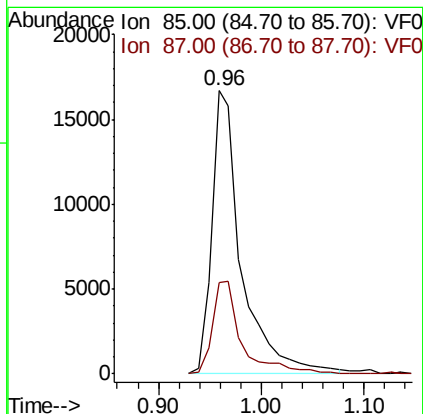
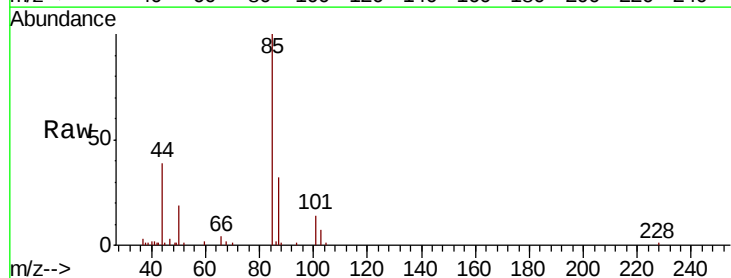
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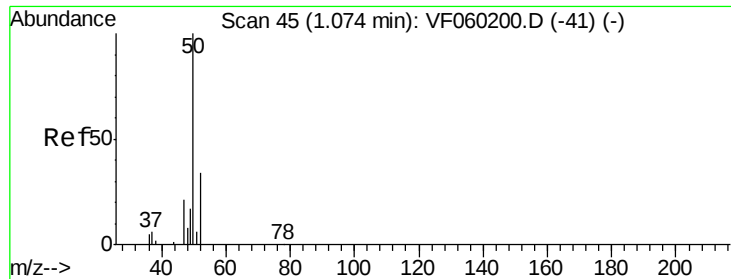


#2

Dichlorodifluoromethane
 Concen: 11.24 ug/l m
 RT: 0.96 min Scan# 4
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.3	48.9





#3

Chloromethane

Concen: 9.81 ug/l

RT: 1.08 min Scan# 16

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 16356

Ion Ratio Lower Upper

50 100

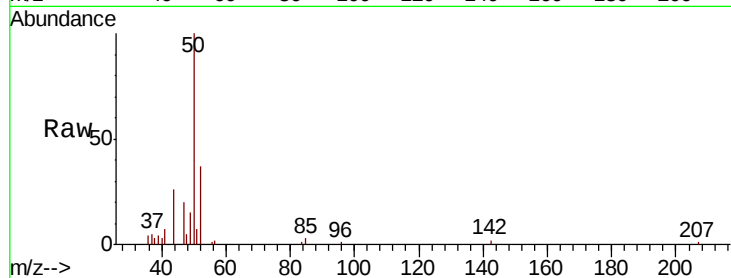
52 36.7 26.9 40.3

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

10000

8000

6000

4000

2000

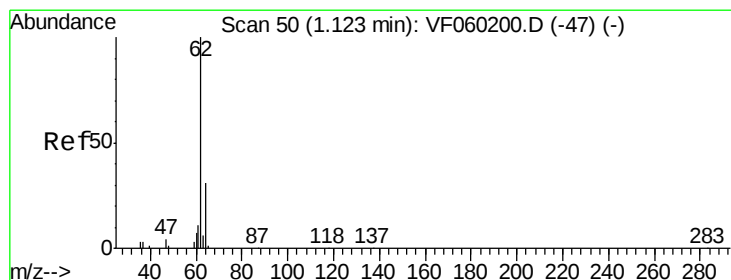
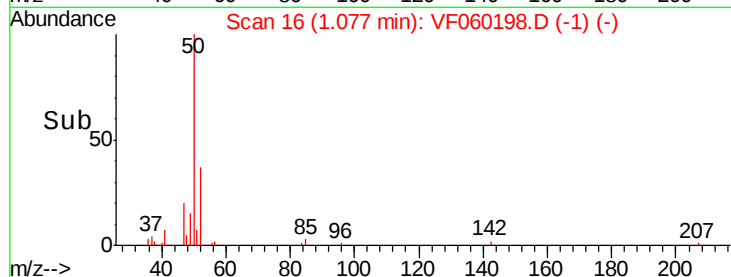
0

1.00

1.10

1.20

Time-->



#4

Vinyl Chloride

Concen: 10.33 ug/l

RT: 1.13 min Scan# 21

Delta R.T. 0.00 min

Lab File: VF060198.D

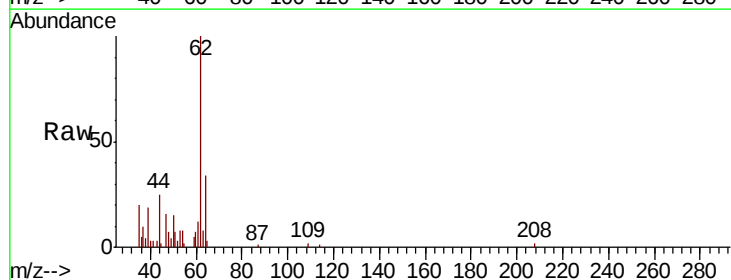
Acq: 6 Sep 2018 12:15

Tgt Ion: 62 Resp: 13084

Ion Ratio Lower Upper

62 100

64 34.1 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

8000

6000

4000

2000

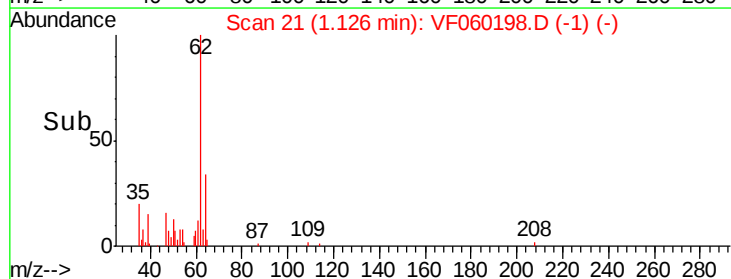
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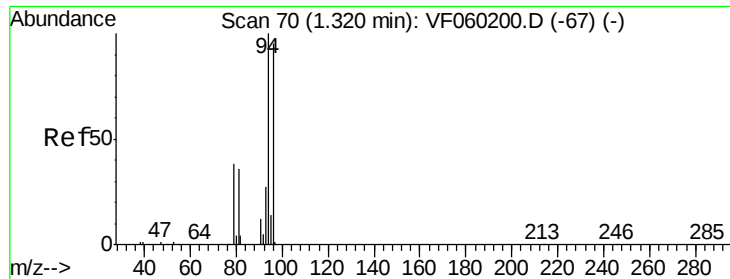
1.10

1.20

1.30

Time-->





#5

Bromomethane

Concen: 9.54 ug/l

RT: 1.32 min Scan# 41

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 10886

Ion Ratio Lower Upper

94 100

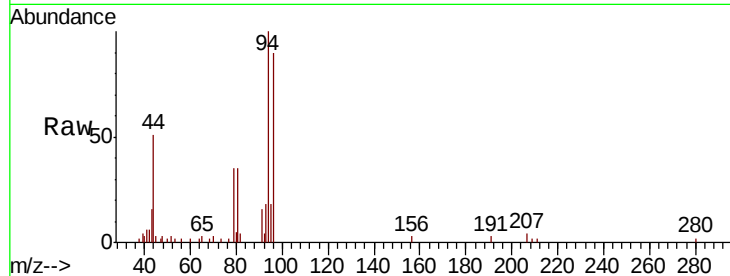
96 90.5 75.8 113.6

Manual Integrations

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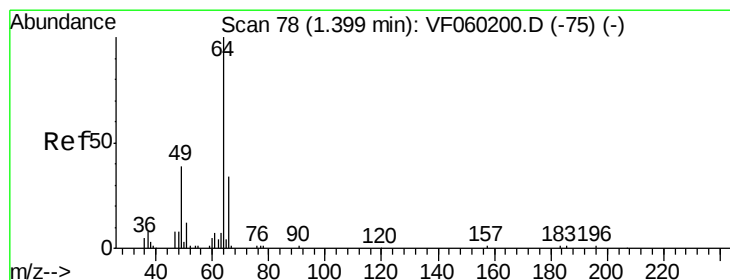
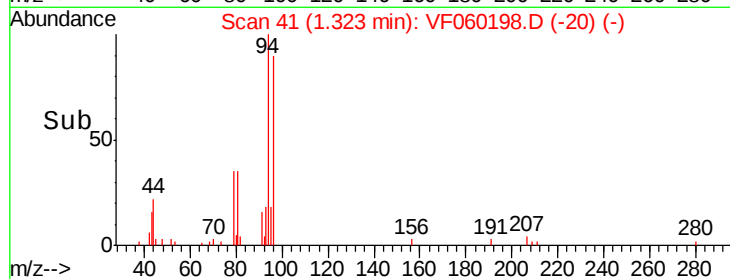
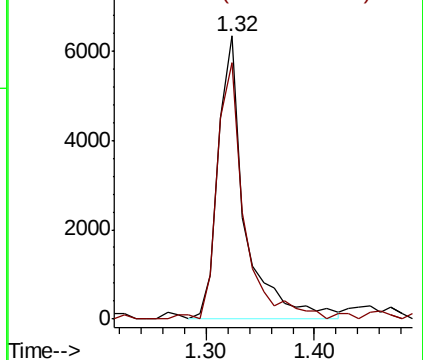
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 9.23 ug/l

RT: 1.40 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF060198.D

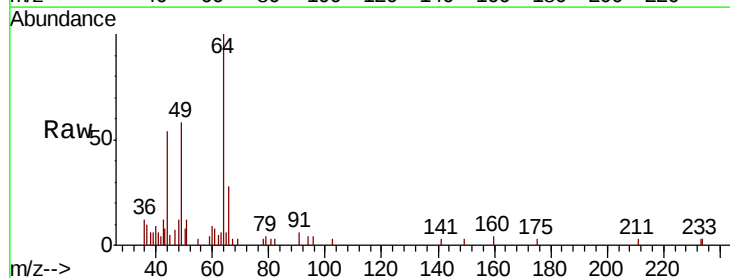
Acq: 6 Sep 2018 12:15

Tgt Ion: 64 Resp: 7625

Ion Ratio Lower Upper

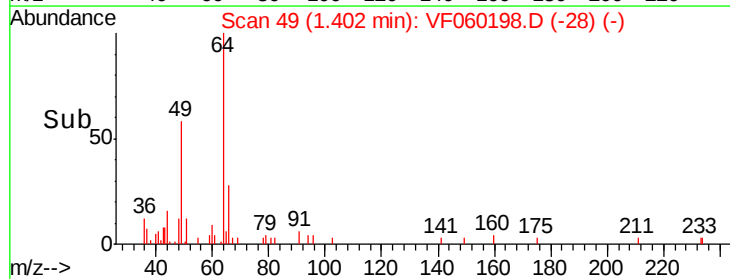
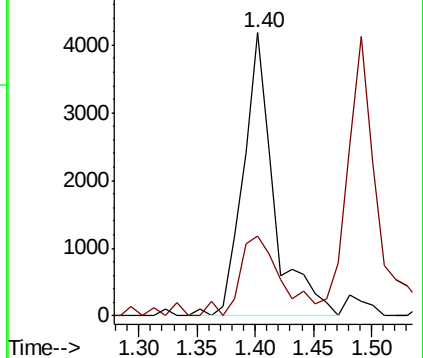
64 100

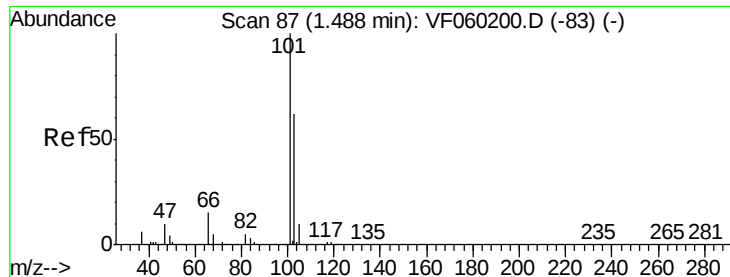
66 28.1 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

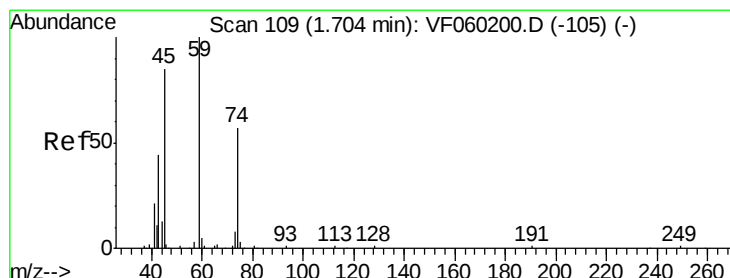
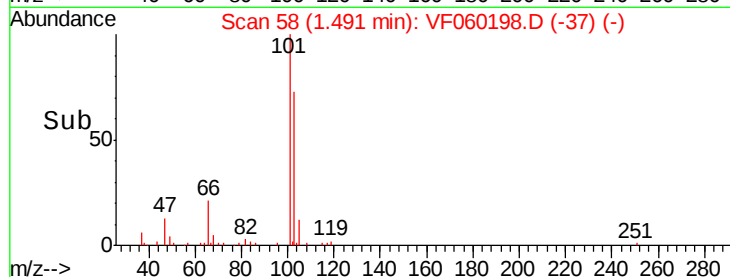
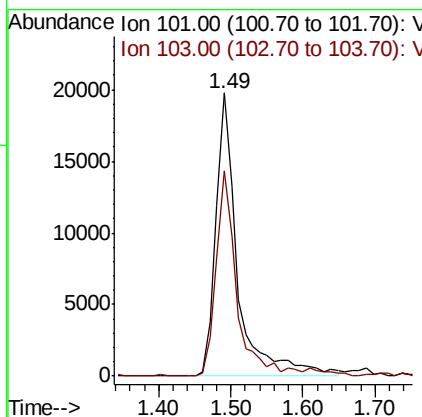
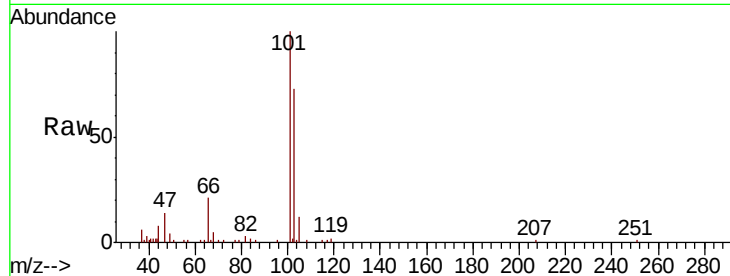
Trichlorofluoromethane
 Concen: 11.59 ug/l
 RT: 1.49 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	72.7	49.5	74.3

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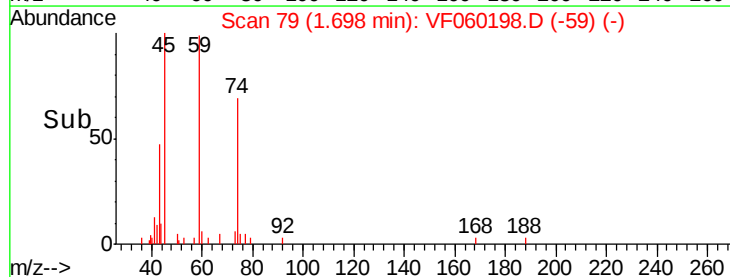
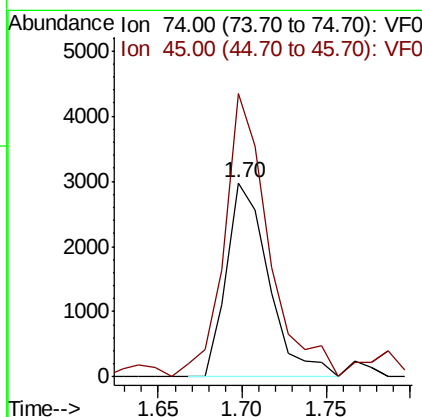
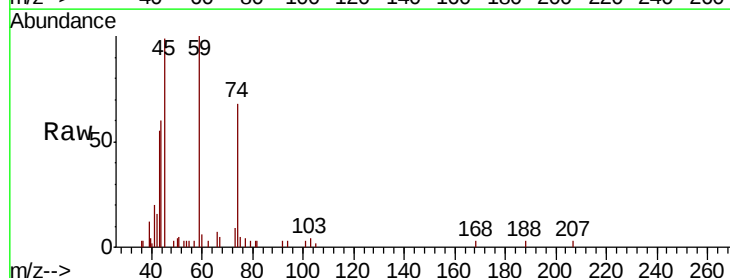
apatel
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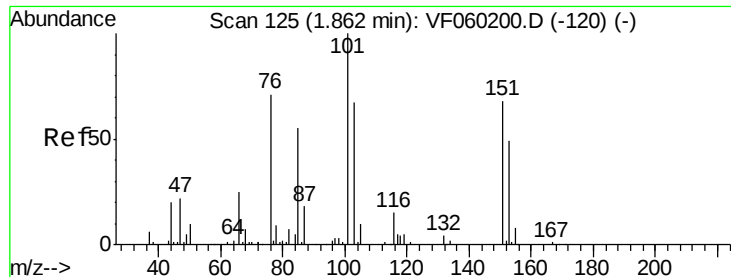


#8

Diethyl Ether
 Concen: 9.77 ug/l
 RT: 1.70 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.9	75.3	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.30 ug/l

RT: 1.87 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

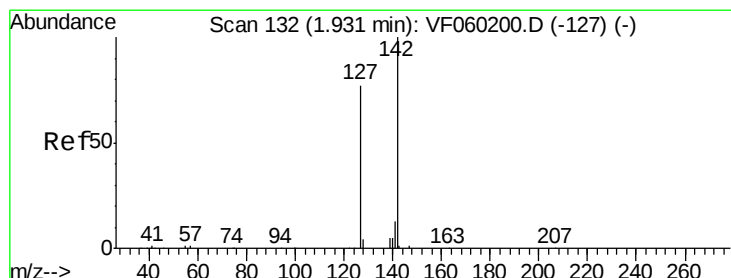
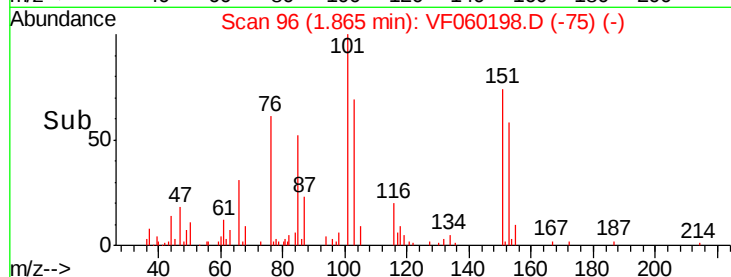
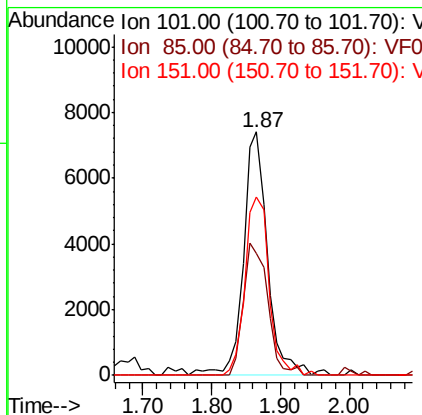
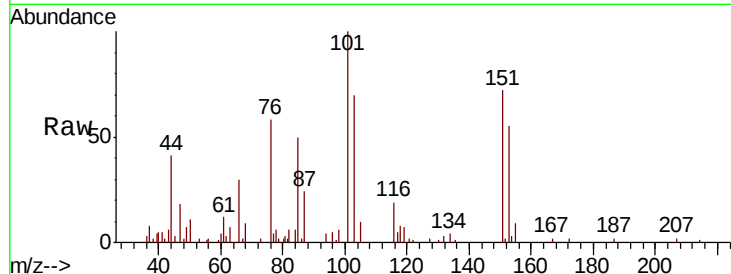
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	18054
Ion Ratio	Lower	Upper	
101	100		
85	50.1	43.0	64.4
151	73.2	53.6	80.4

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#10

Methyl Iodide

Concen: 10.39 ug/l

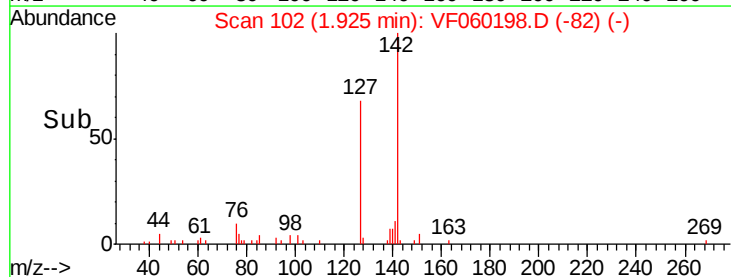
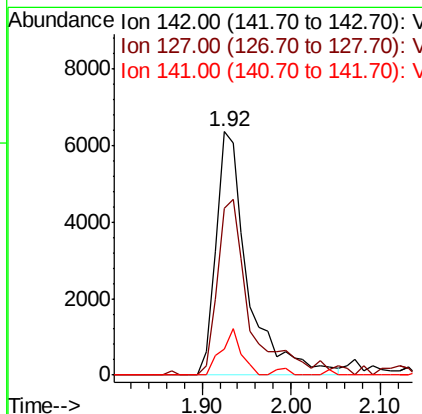
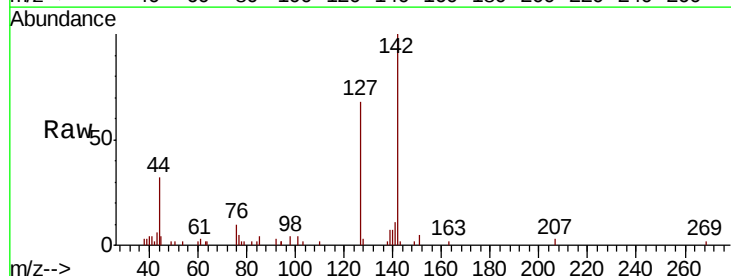
RT: 1.92 min Scan# 102

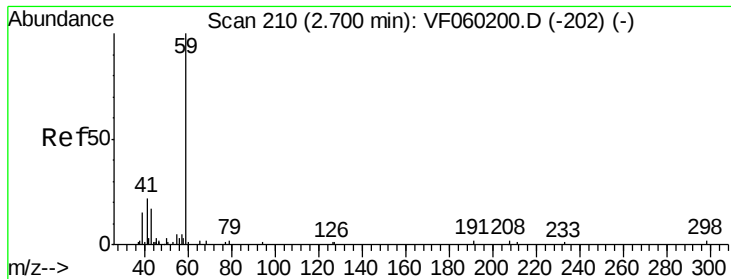
Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	142	Resp:	15947
Ion Ratio	Lower	Upper	
142	100		
127	68.5	61.1	91.7
141	10.9	10.6	15.8





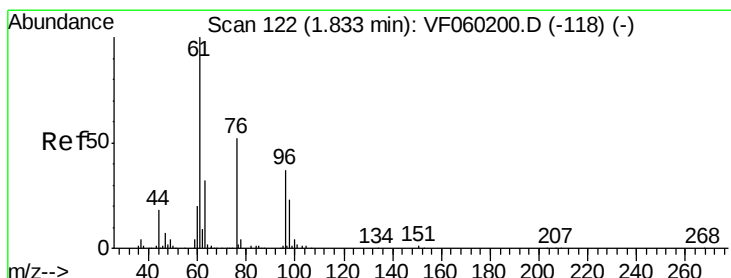
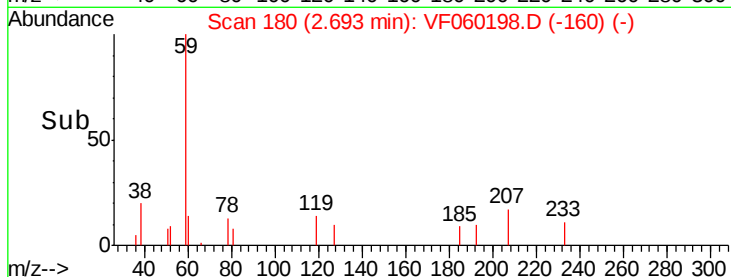
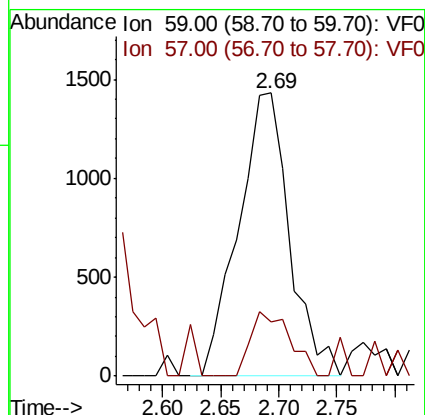
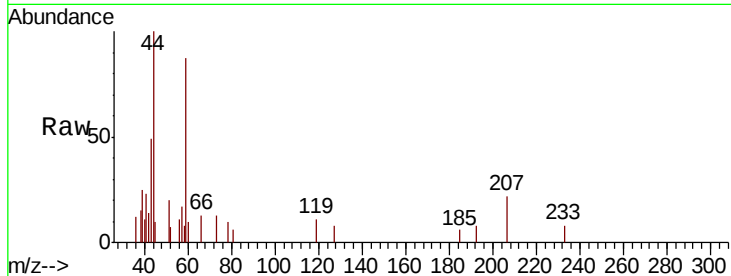
#11
Tert butyl alcohol
Concen: 34.09 ug/l
RT: 2.69 min Scan# 180
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 4356
Ion Ratio Lower Upper
59 100
57 19.4 7.2 10.8#

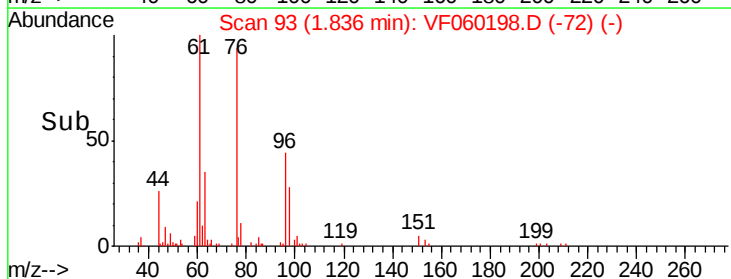
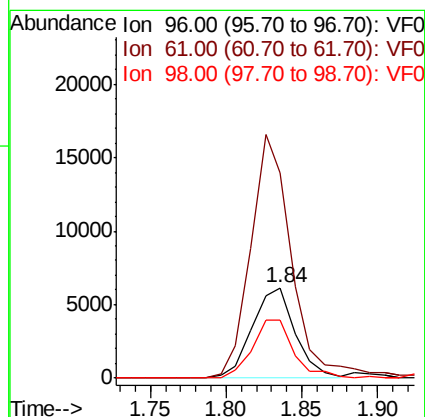
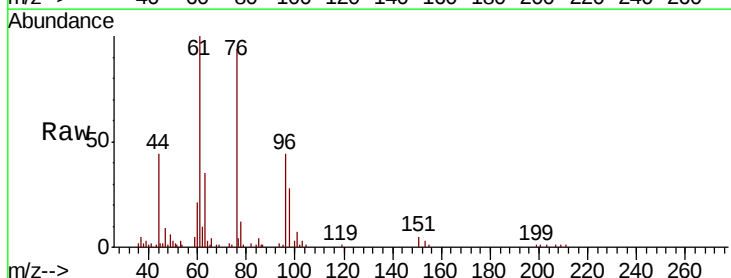
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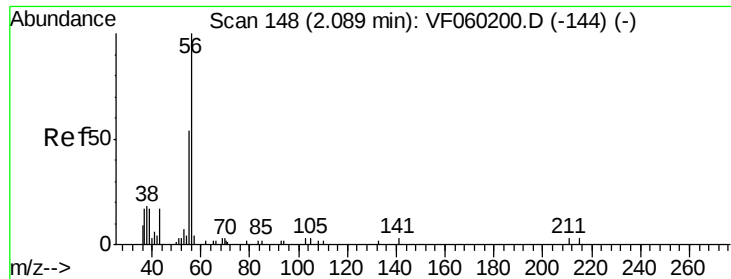
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#12
1,1-Dichloroethene
Concen: 10.32 ug/l
RT: 1.84 min Scan# 93
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion: 96 Resp: 12194
Ion Ratio Lower Upper
96 100
61 226.3 214.6 321.8
98 64.1 50.7 76.1





#13

Acrolein

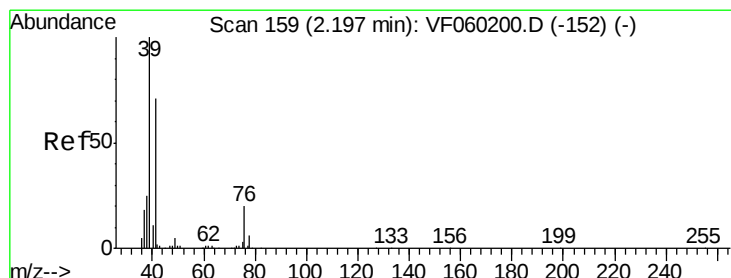
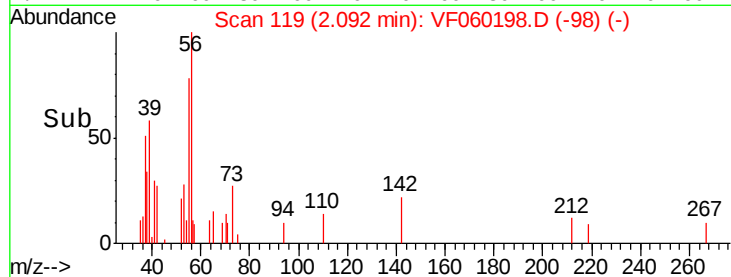
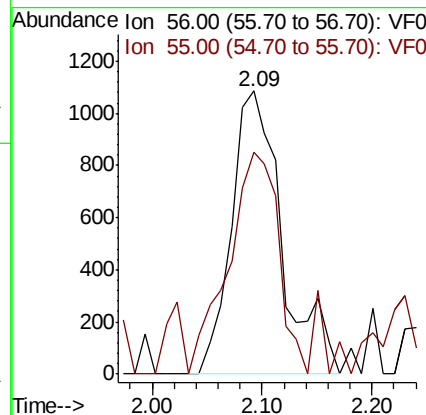
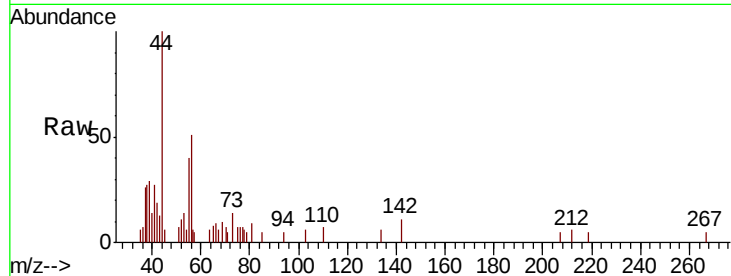
Concen: 51.24 ug/l m
 RT: 2.09 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 56 Resp: 3473
 Ion Ratio Lower Upper
 56 100
 55 78.5 45.1 67.7#

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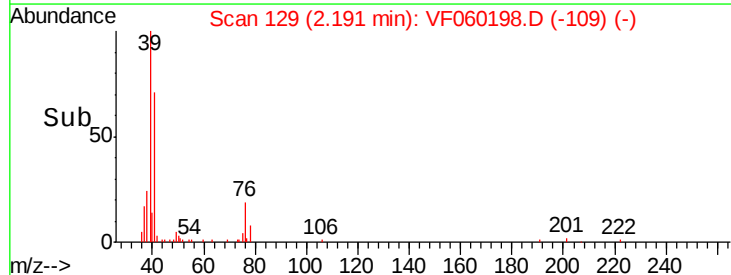
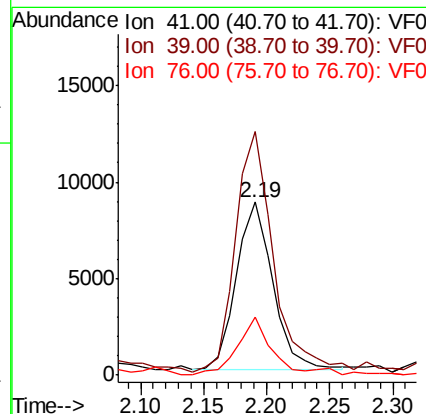
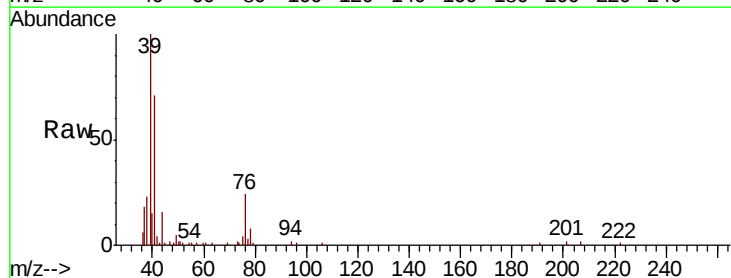


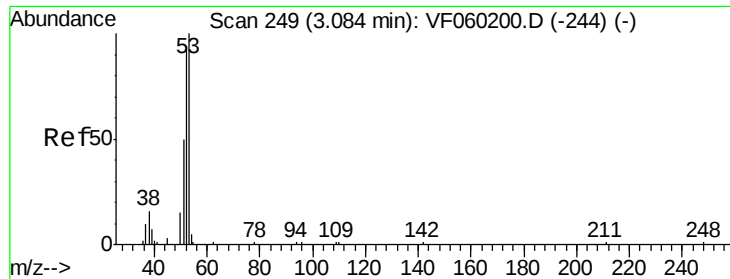
#14

Allyl chloride

Concen: 9.81 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion: 41 Resp: 17388
 Ion Ratio Lower Upper
 41 100
 39 141.0 112.2 168.2
 76 33.6 23.2 34.8





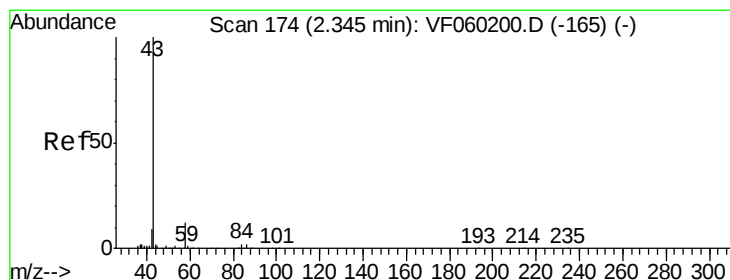
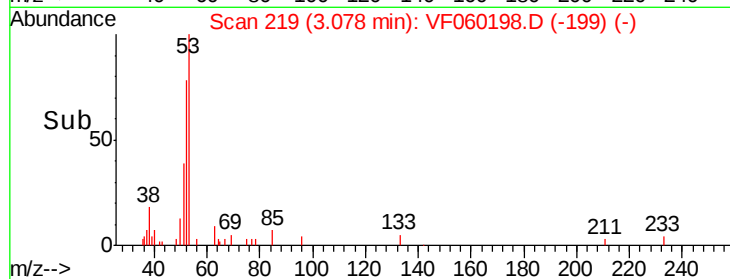
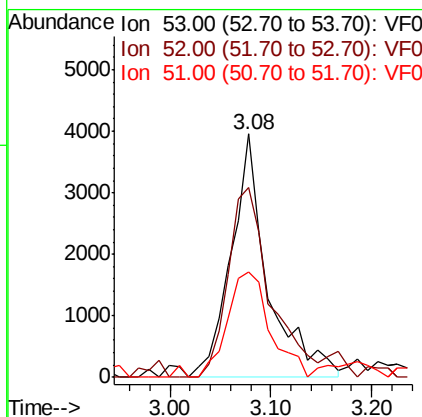
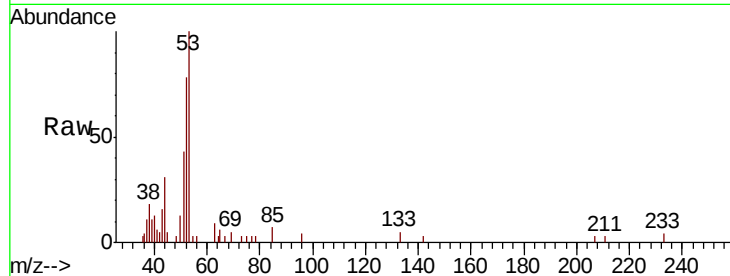
#15
 Acrylonitrile
 Concen: 46.08 ug/l
 RT: 3.08 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion:	53	Resp:	10031
Ion Ratio	Lower	Upper	
53	100		
52	78.2	75.0	112.6
51	43.3	39.9	59.9

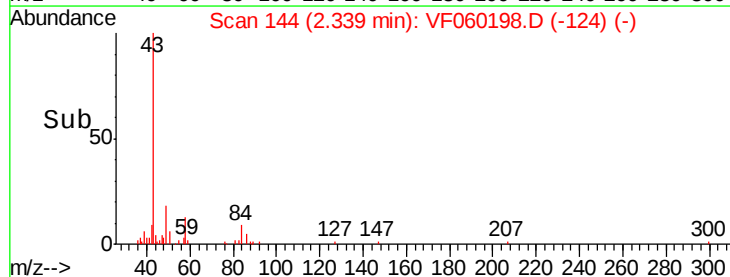
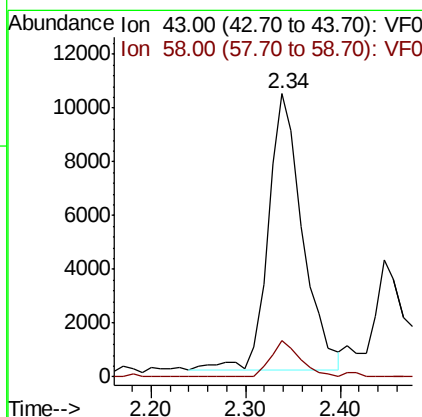
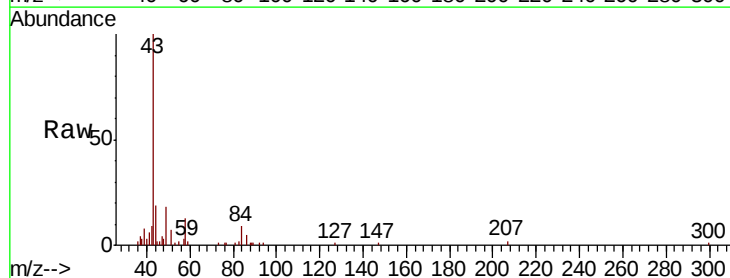
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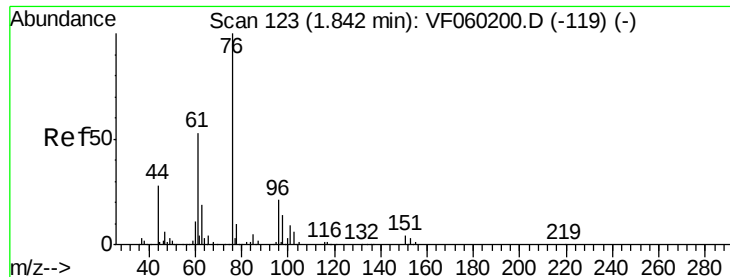
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#16
 Acetone
 Concen: 41.40 ug/l
 RT: 2.34 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion:	43	Resp:	25935
Ion Ratio	Lower	Upper	
43	100		
58	12.7	9.7	14.5





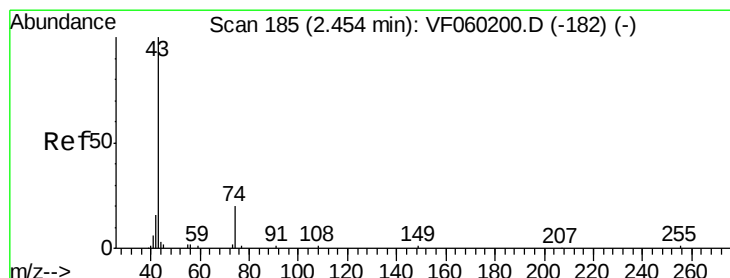
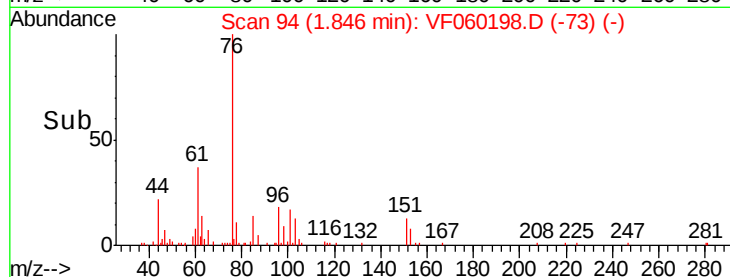
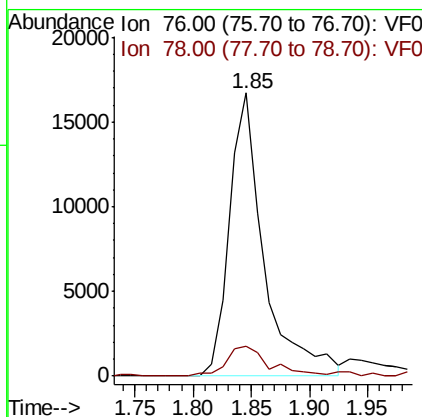
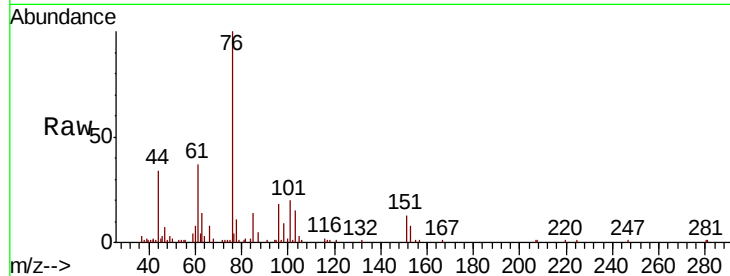
#17
Carbon Disulfide
Concen: 9.95 ug/l
RT: 1.85 min Scan# 94
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	8.5	12.7

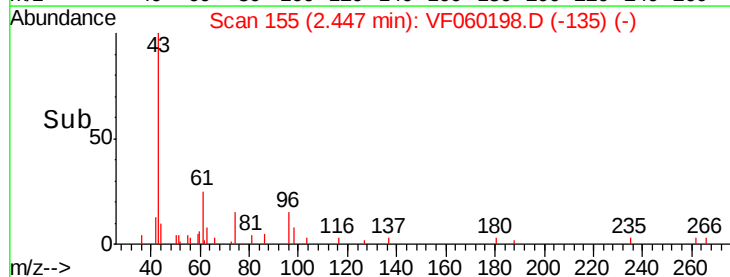
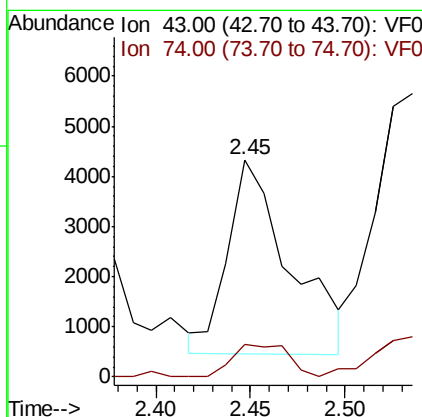
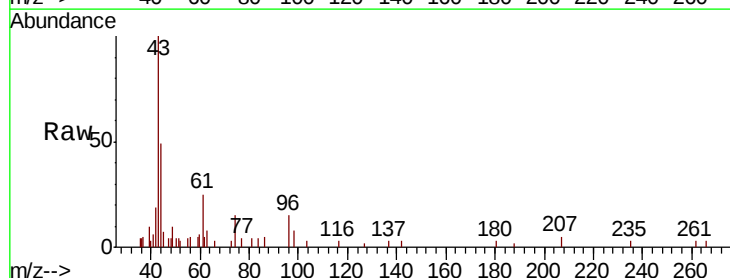
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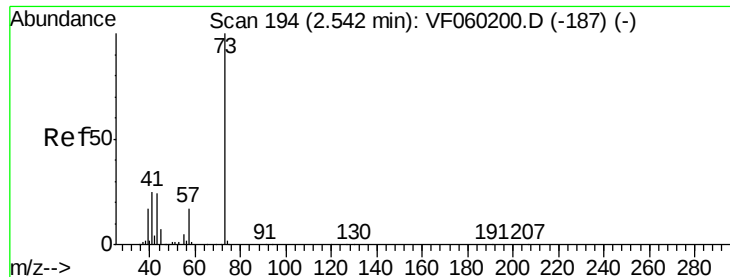
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#18
Methyl Acetate
Concen: 8.70 ug/l
RT: 2.45 min Scan# 155
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	11.9	17.9





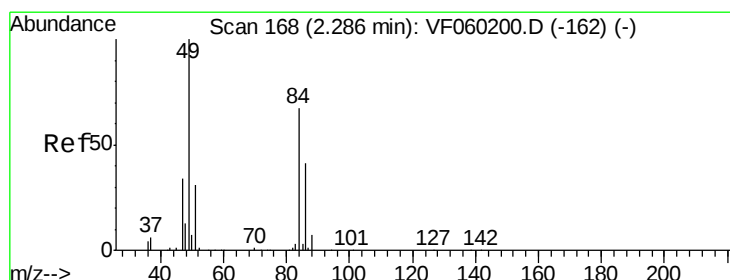
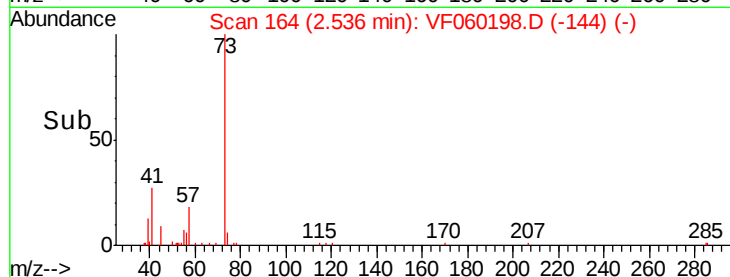
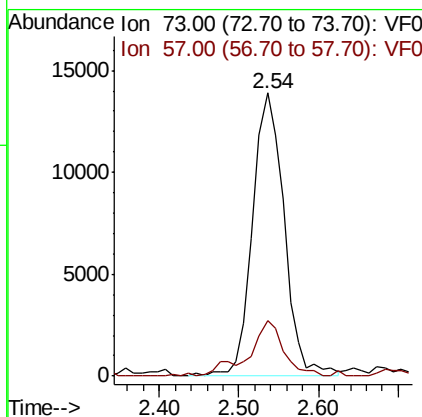
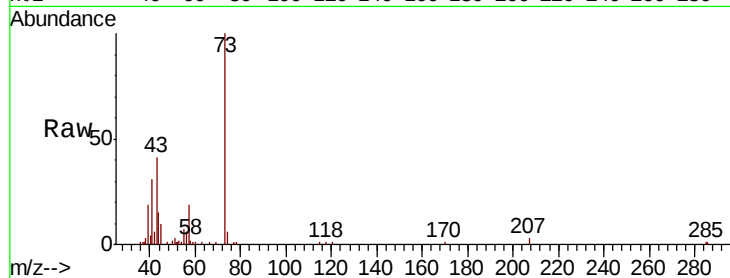
#19
Methyl tert-butyl Ether
Concen: 9.75 ug/l
RT: 2.54 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	14.3	21.5

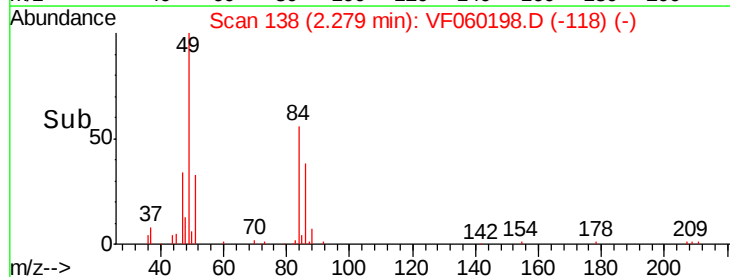
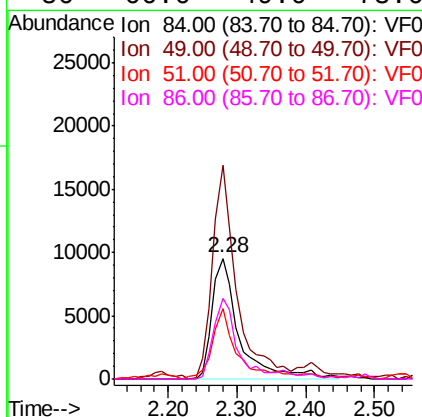
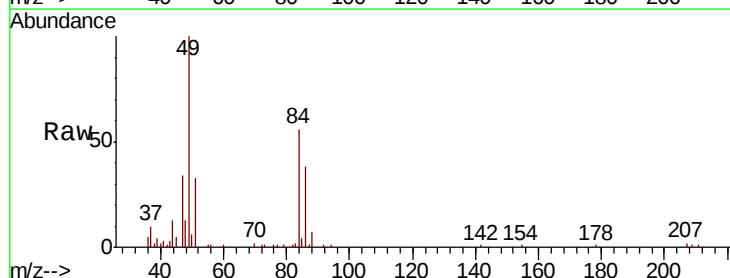
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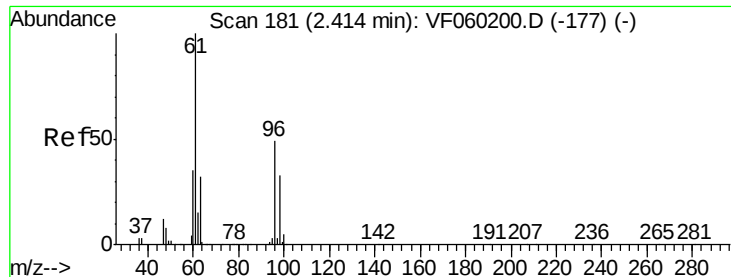
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#20
Methylene Chloride
Concen: 13.84 ug/l
RT: 2.28 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	177.0	120.1	180.1
51	58.7	37.0	55.6
86	66.6	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 9.77 ug/l

RT: 2.41 min Scan# 151

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

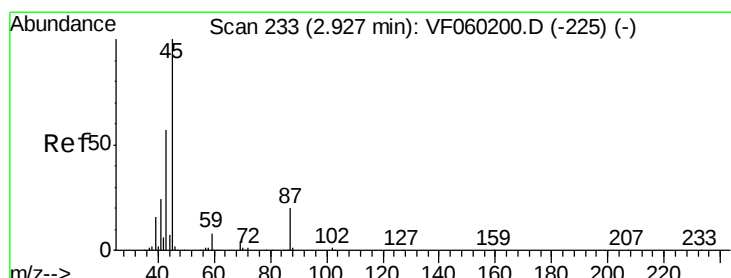
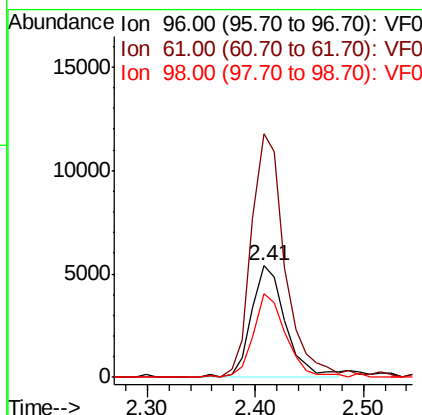
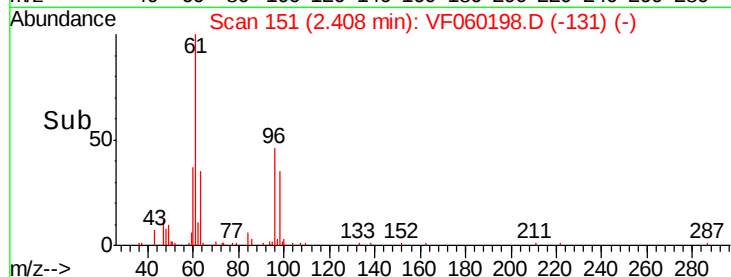
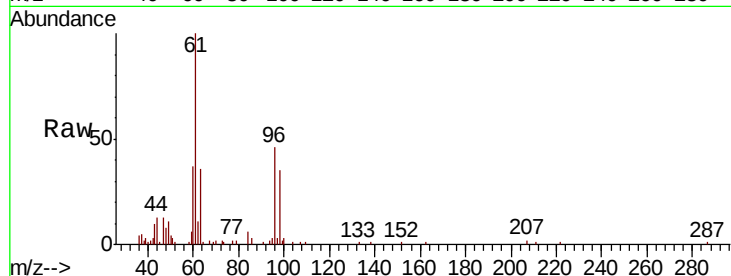
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	11749
Ion	Ratio	Lower	Upper
96	100		
61	218.2	163.1	244.7
98	75.3	54.1	81.1

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#22

Diisopropyl ether

Concen: 10.05 ug/l

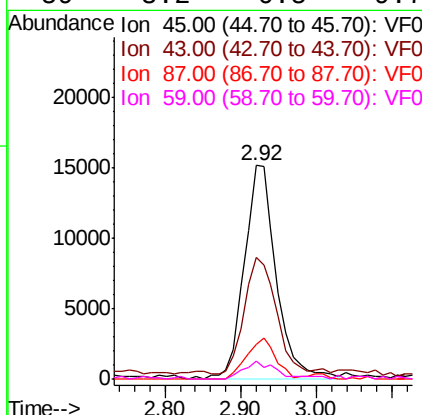
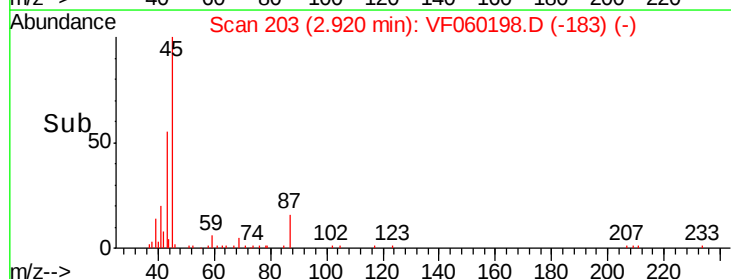
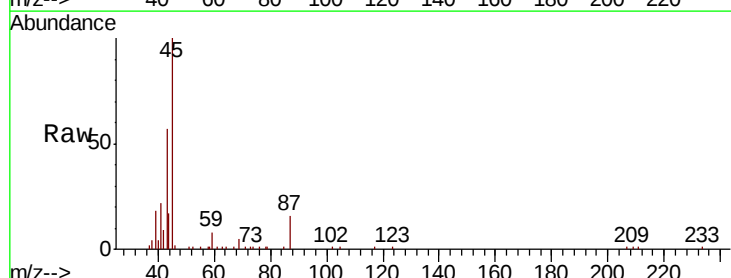
RT: 2.92 min Scan# 203

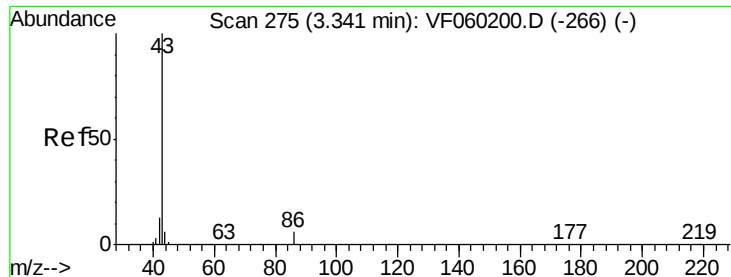
Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	45	Resp:	44734
Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.2	69.4
87	16.0	16.1	24.1#
59	8.2	6.5	9.7





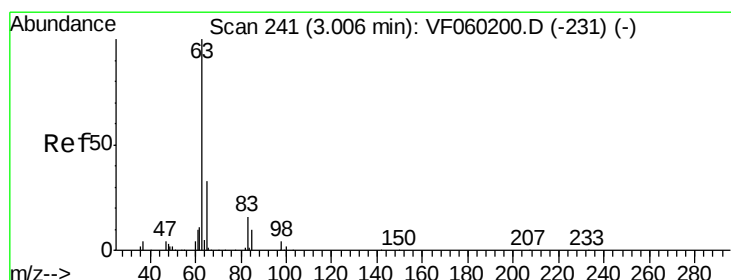
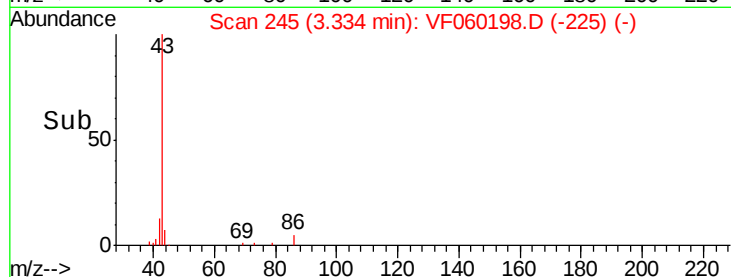
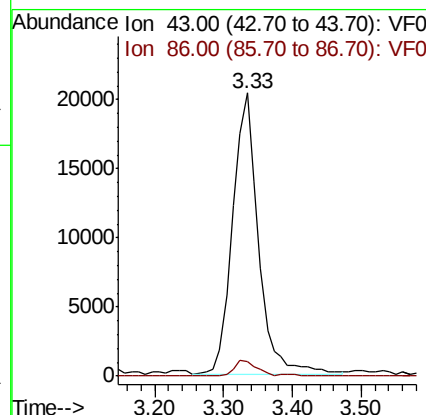
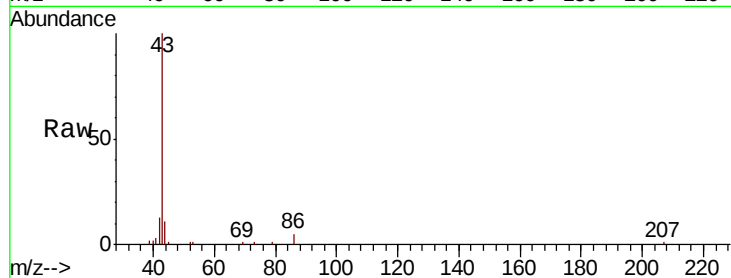
#23
 Vinyl Acetate
 Concen: 34.20 ug/l
 RT: 3.33 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	43	Resp	53281
Ion Ratio	Lower	Upper	
43	100		
86	5.2	4.8	7.2

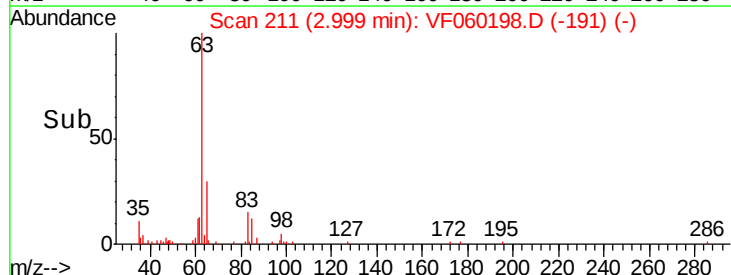
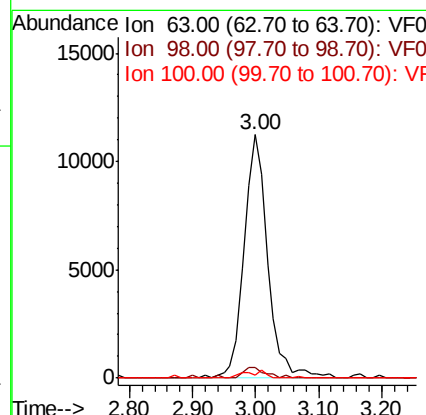
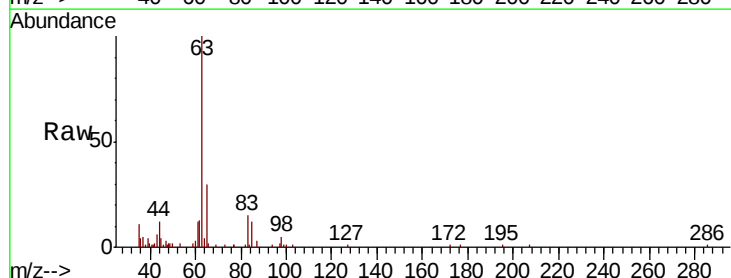
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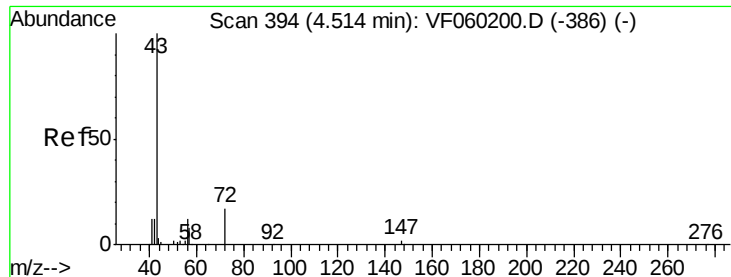
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#24
 1,1-Dichloroethane
 Concen: 10.03 ug/l
 RT: 3.00 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	63	Resp	29042
Ion Ratio	Lower	Upper	
63	100		
98	4.6	1.9	5.7
100	1.1	1.1	3.1





#25

2-Butanone

Concen: 49.17 ug/l

RT: 4.51 min Scan# 364

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 39218

Ion Ratio Lower Upper

43 100

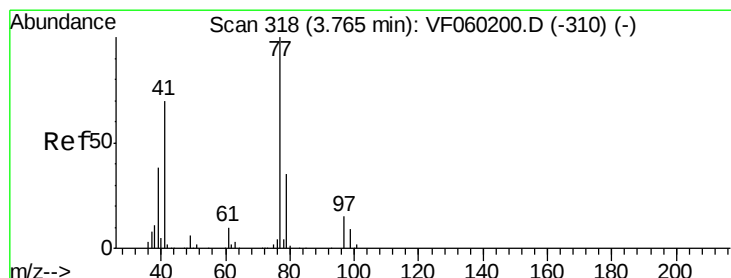
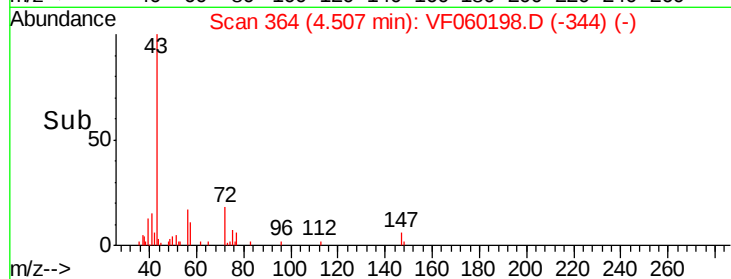
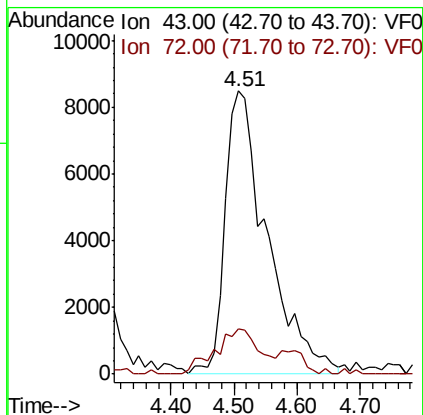
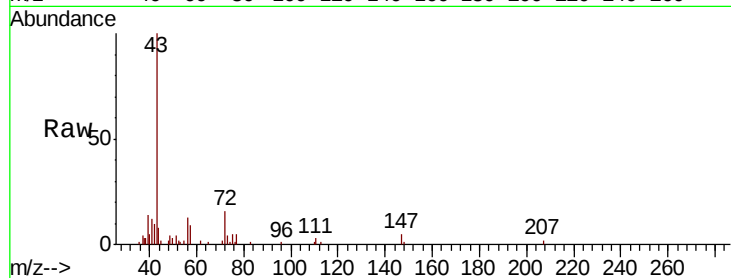
72 16.0 14.8 22.2

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#26

2,2-Dichloropropane

Concen: 7.89 ug/l

RT: 3.76 min Scan# 288

Delta R.T. -0.01 min

Lab File: VF060198.D

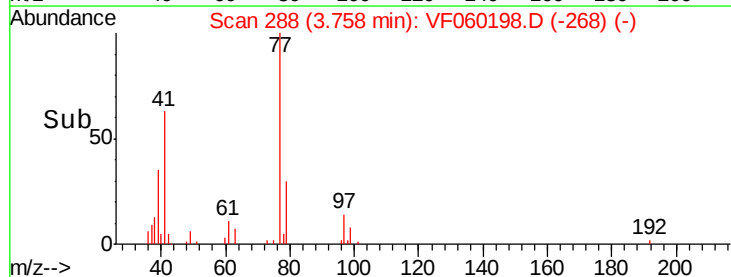
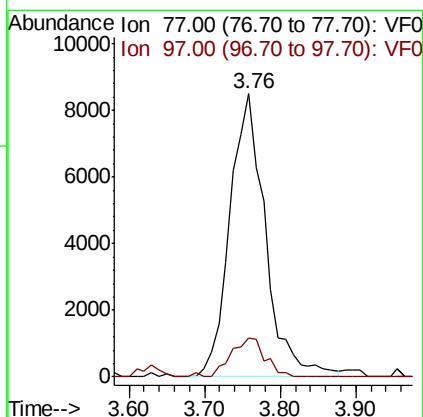
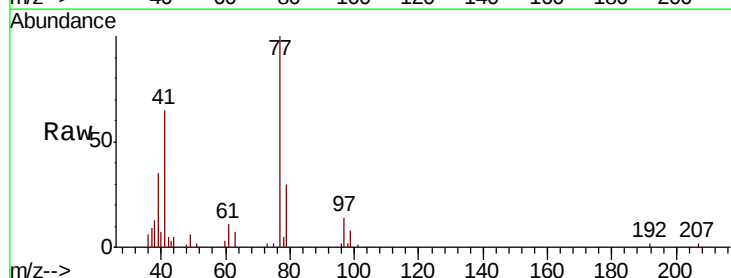
Acq: 6 Sep 2018 12:15

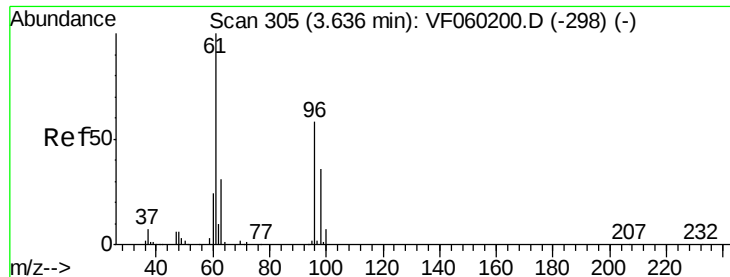
Tgt Ion: 77 Resp: 27672

Ion Ratio Lower Upper

77 100

97 13.6 7.5 22.5





#27

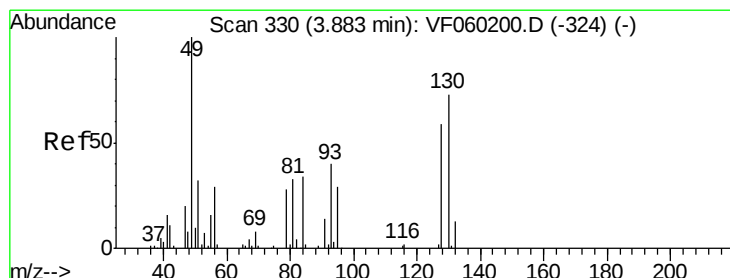
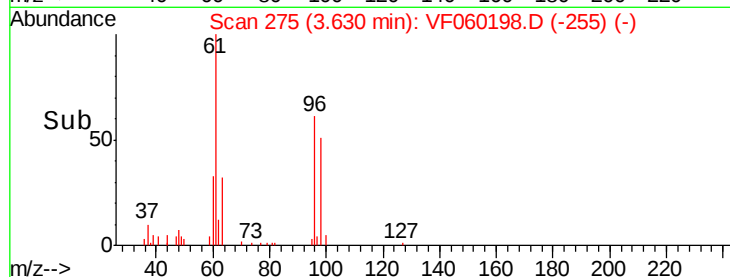
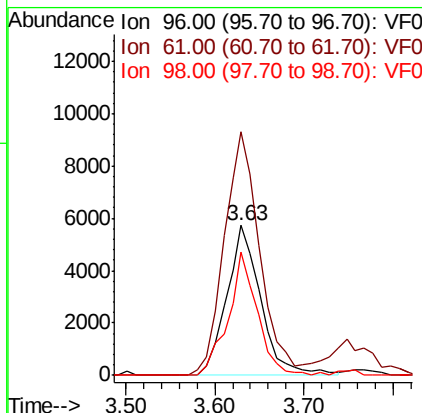
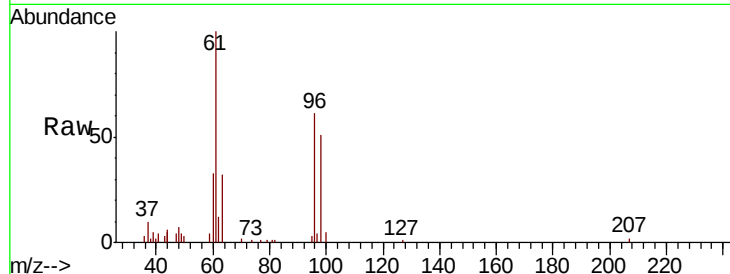
cis-1,2-Dichloroethene
Concen: 9.83 ug/l
RT: 3.63 min Scan# 275
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	345.2
98	82.8	0.0	124.6

Manual Integrations
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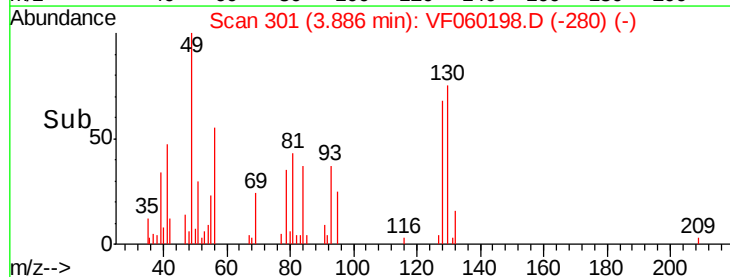
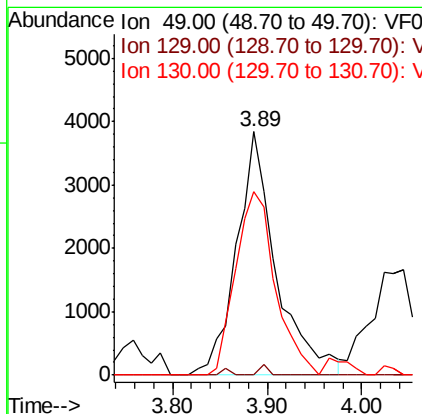
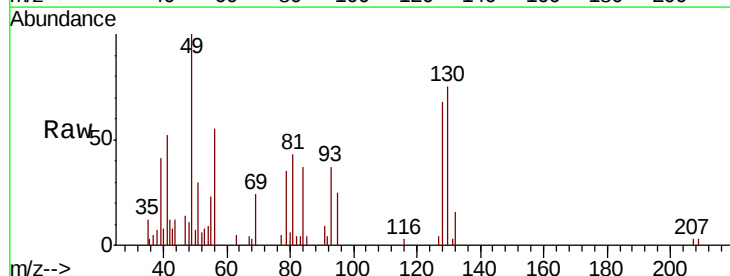
apatel
9/7/2018 10:50:01 AM

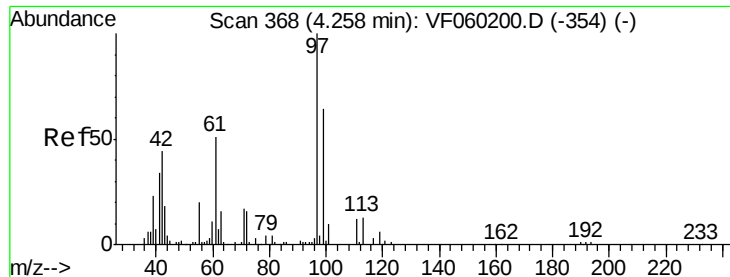


#28

Bromochloromethane
Concen: 11.43 ug/l
RT: 3.89 min Scan# 301
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	75.4	57.8	86.6





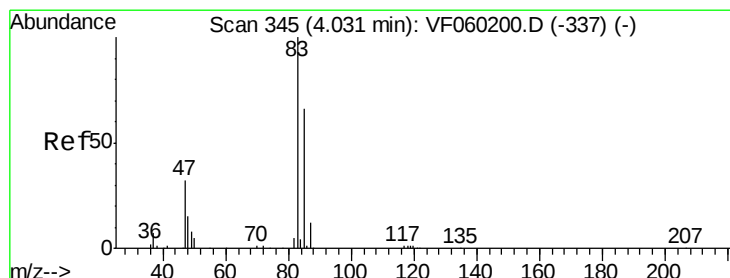
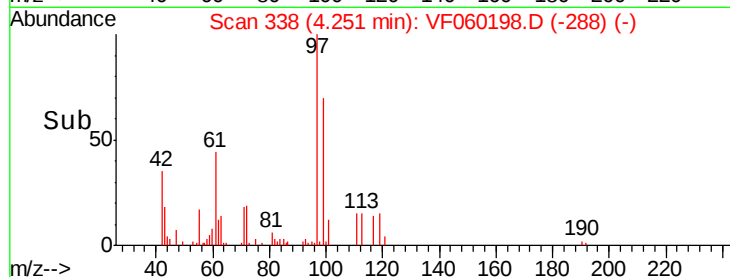
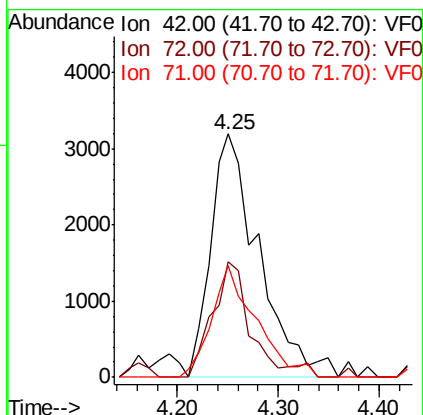
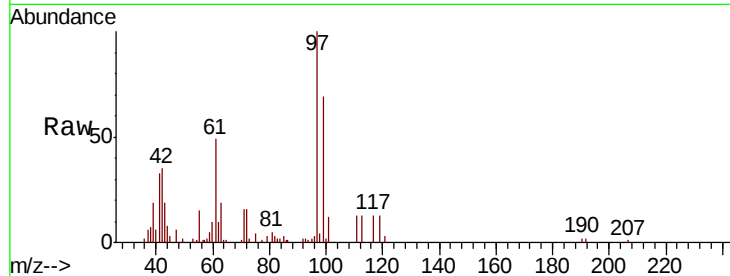
#29
Tetrahydrofuran
Concen: 39.81 ug/l
RT: 4.25 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	27.4	41.0
71	42.6	28.5	42.7

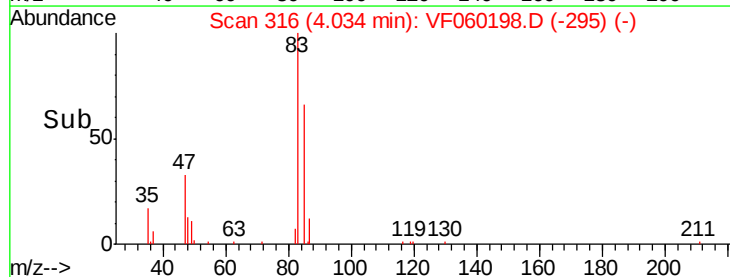
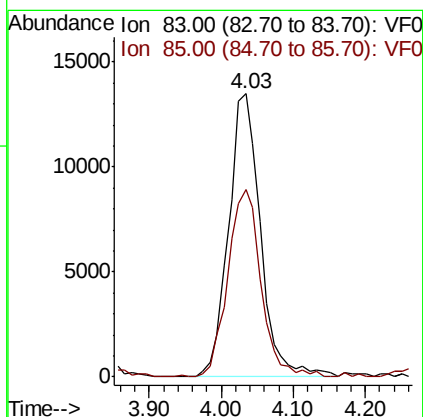
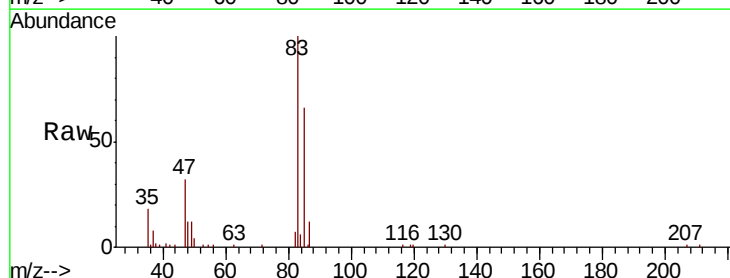
Manual Integrations
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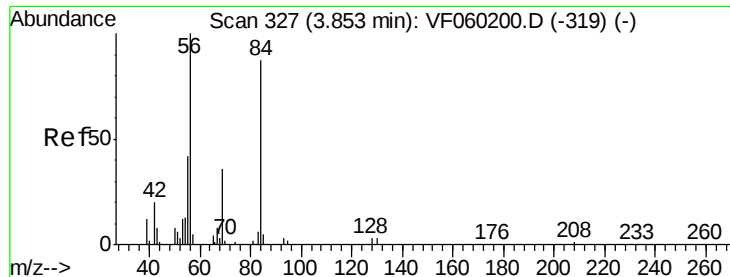
apatel
9/7/2018 10:50:01 AM



#30
Chloroform
Concen: 9.75 ug/l
RT: 4.03 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	79.0





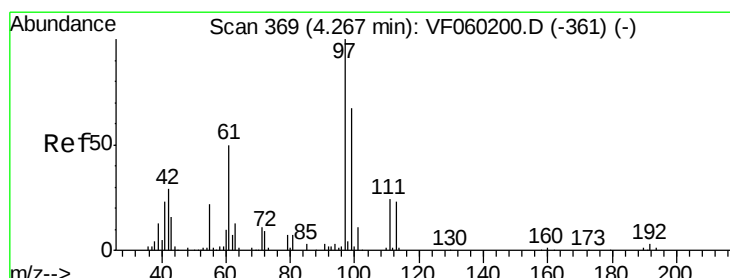
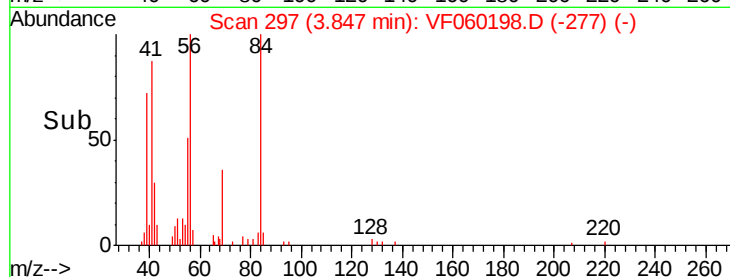
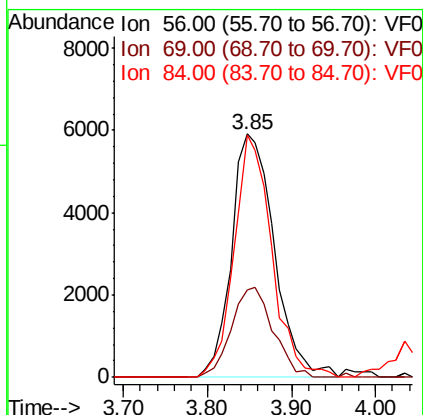
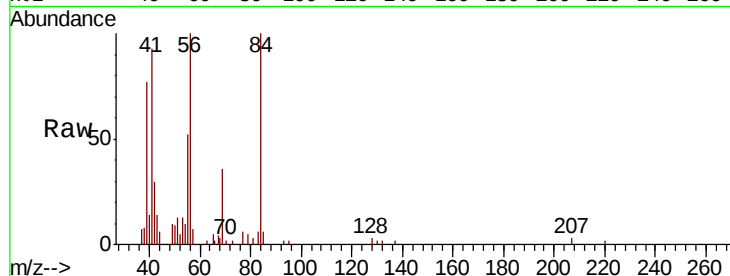
#31
Cyclohexane
Concen: 10.70 ug/l
RT: 3.85 min Scan# 297
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	28.7	43.1
84	99.6	69.7	104.5

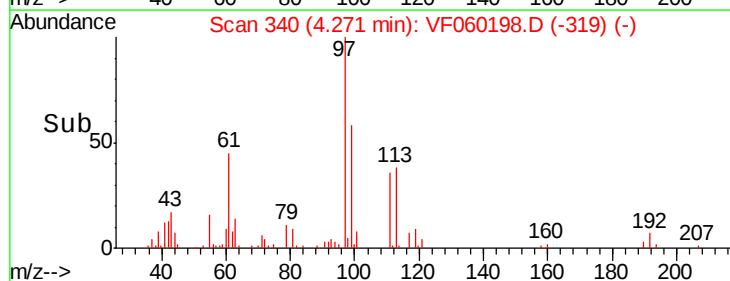
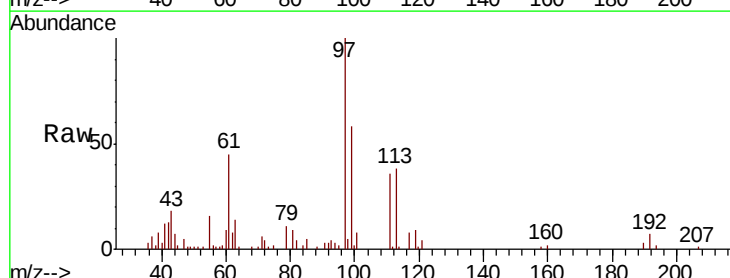
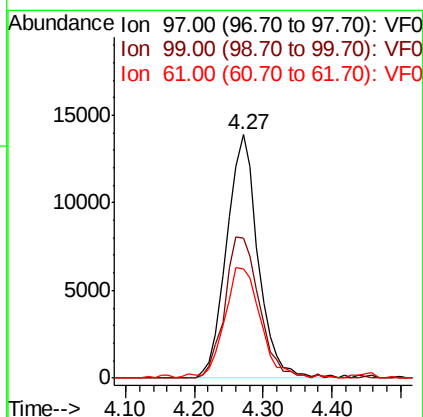
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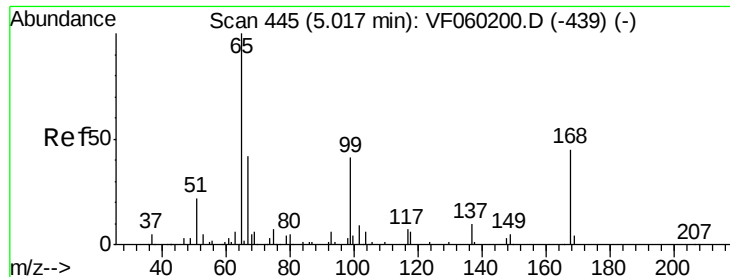
apatel
9/7/2018 10:50:01 AM



#32
1,1,1-Trichloroethane
Concen: 10.38 ug/l
RT: 4.27 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.7	53.5	80.3
61	44.9	40.4	60.6





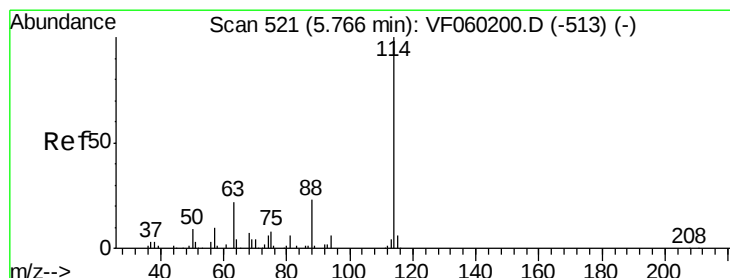
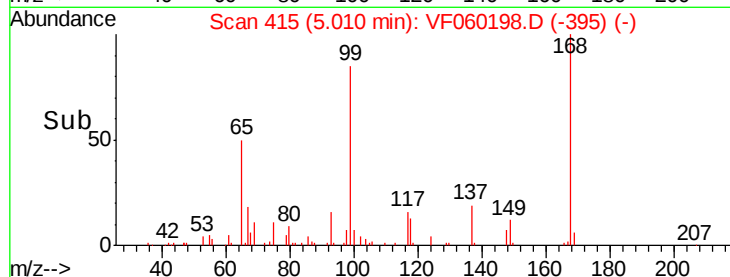
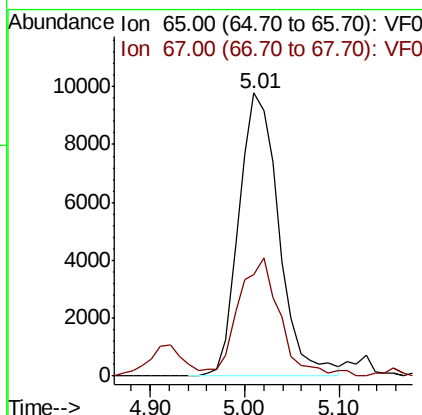
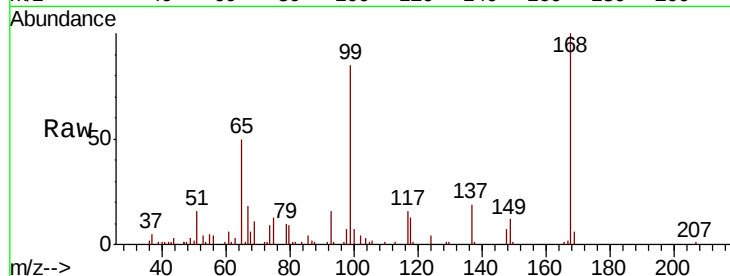
#33
 1,2-Dichloroethane-d4
 Concen: 10.01 ug/l
 RT: 5.01 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	28809		
67	35.8	0.0	87.2	

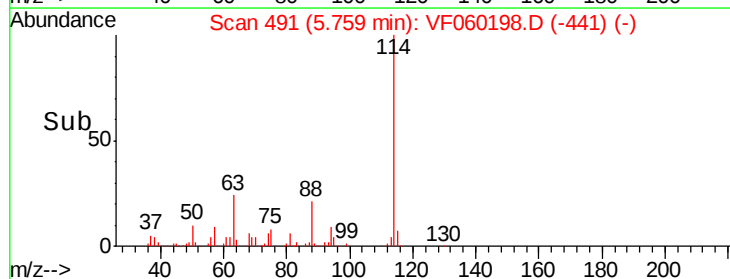
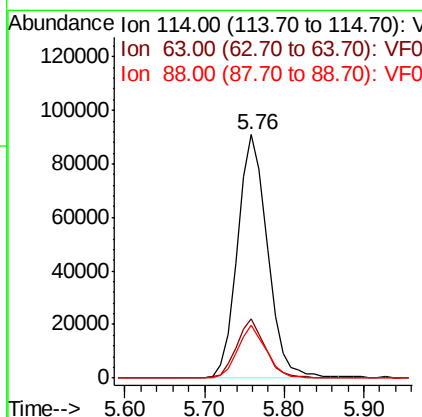
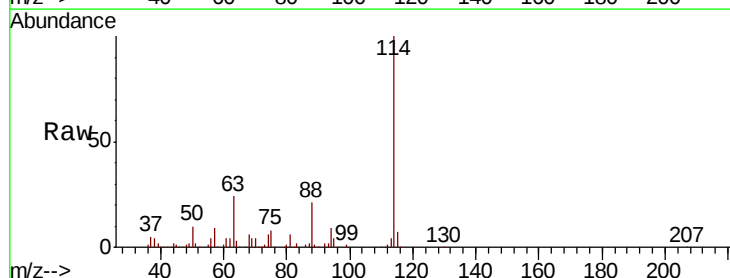
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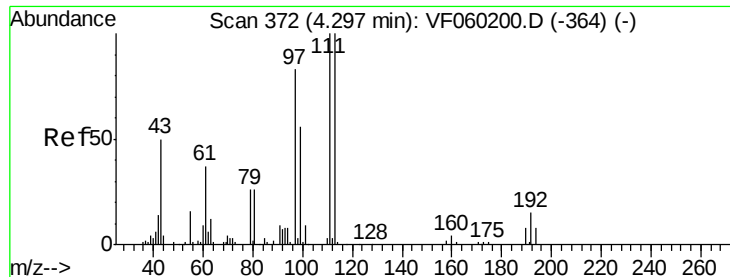
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	237770		
63	24.3	0.0	45.6	
88	21.5	0.0	46.4	





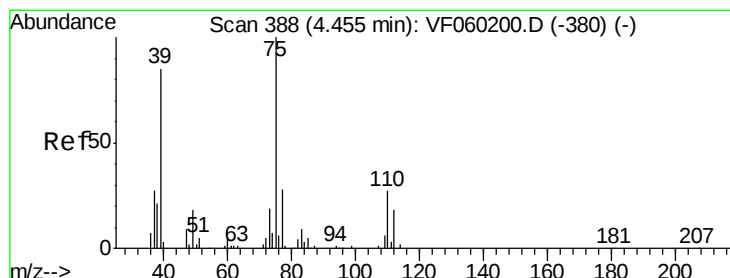
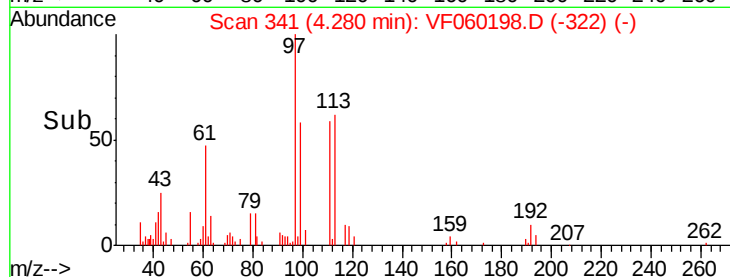
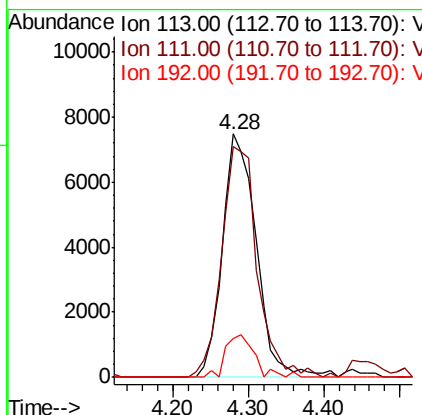
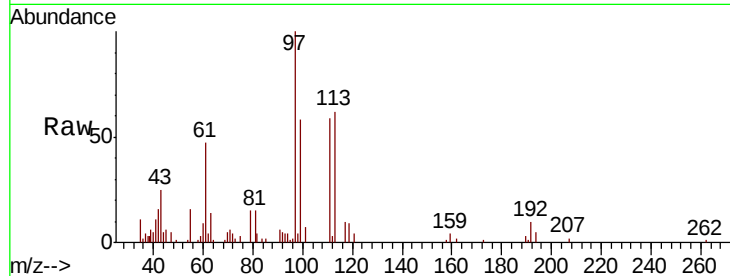
#35
 Dibromofluoromethane
 Concen: 9.99 ug/l
 RT: 4.28 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.5	80.2	120.2
192	15.9	11.8	17.8

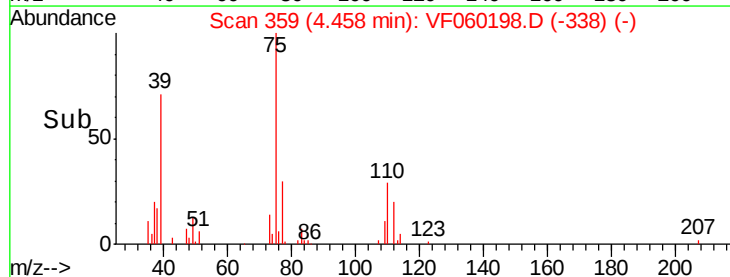
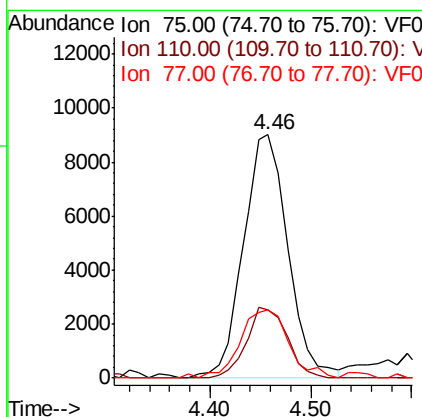
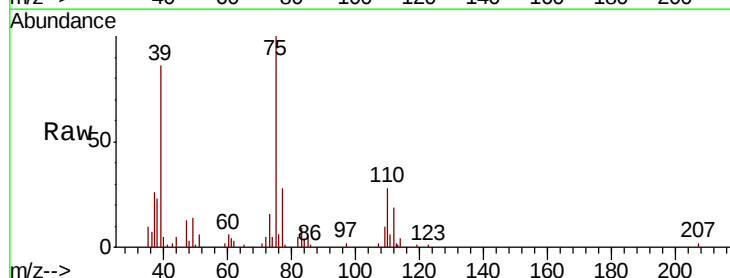
Manual Integrations
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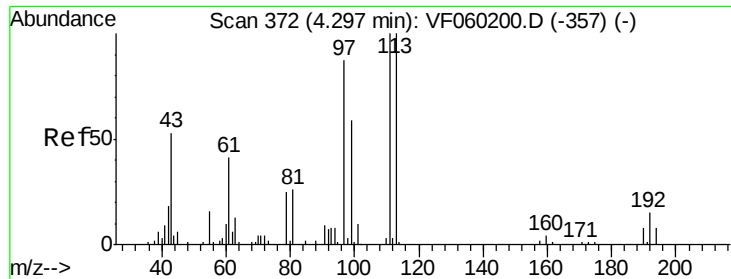
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#36
 1,1-Dichloropropene
 Concen: 10.03 ug/l
 RT: 4.46 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.8	13.6	40.7
77	28.3	22.7	34.1





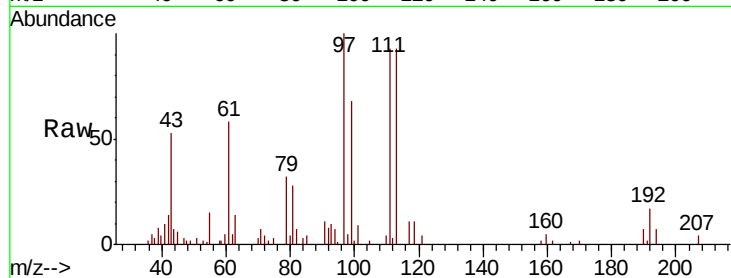
#37
Ethyl Acetate
Concen: 8.62 ug/l
RT: 4.29 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
13095	100	109.2	6.1				
		61.6	6.9				
			10.3				

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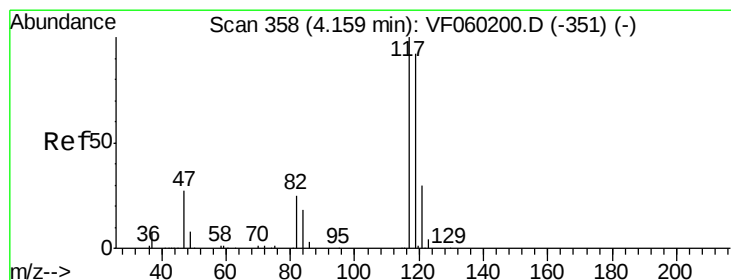
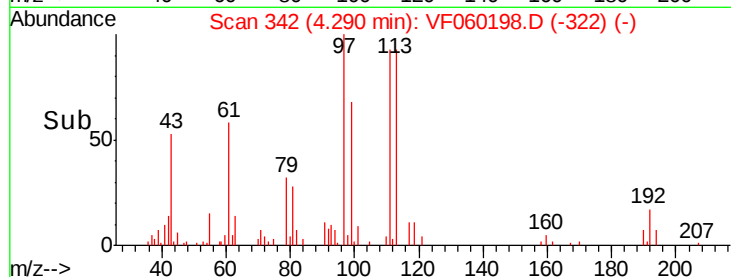
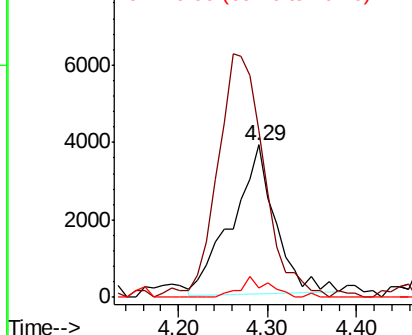


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 9.43 ug/l
RT: 4.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

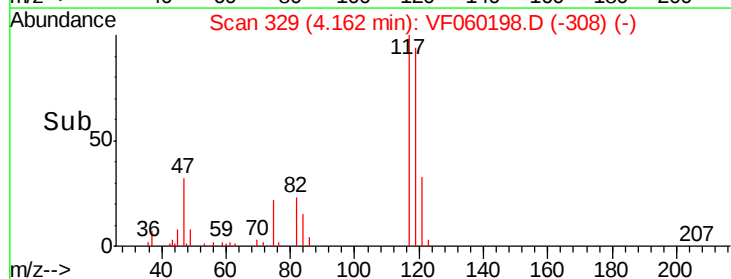
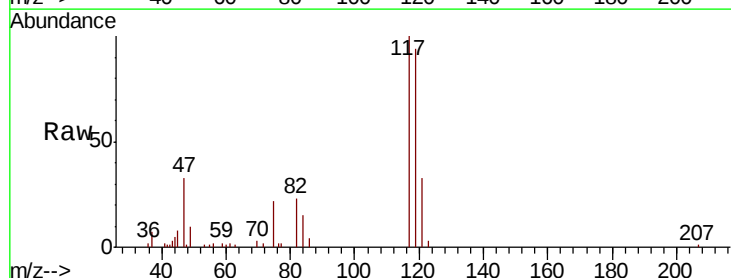
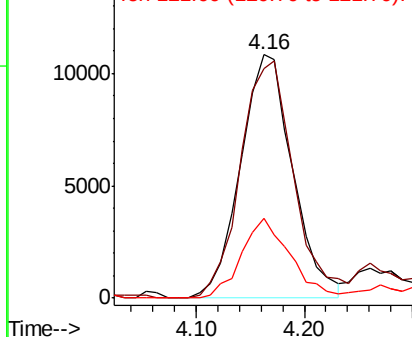
Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
36388	100	94.1	32.7				
		73.0	23.9				
			35.9				

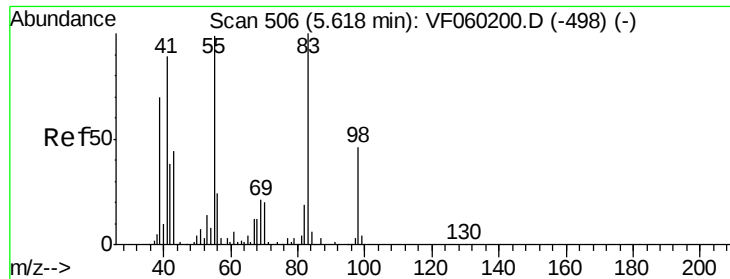
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





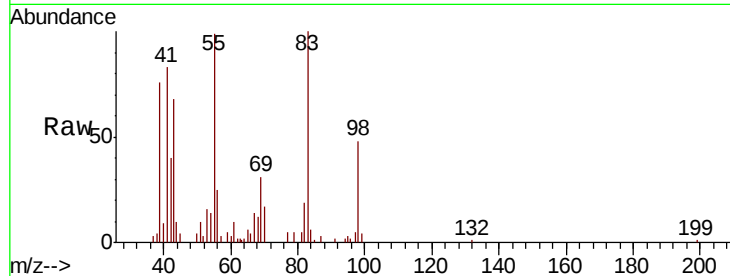
#39
Methvlcvclohexane
Concen: 9.59 ug/l
RT: 5.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.0	79.0	118.4
98	47.7	36.7	55.1

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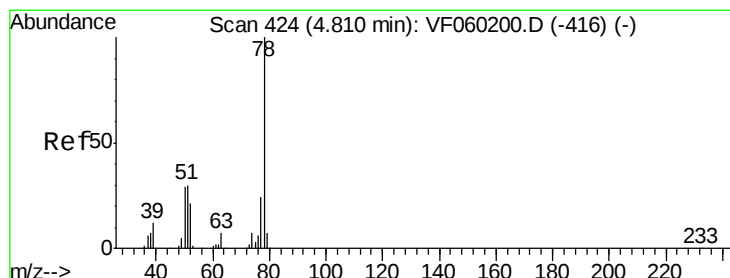
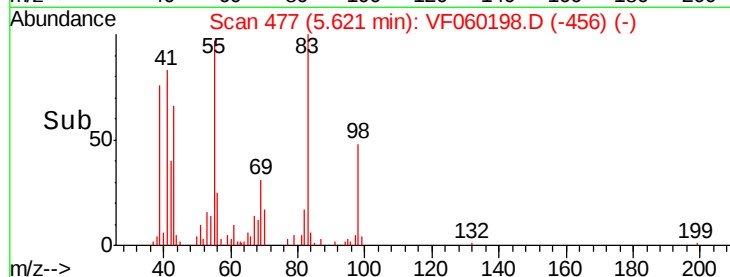
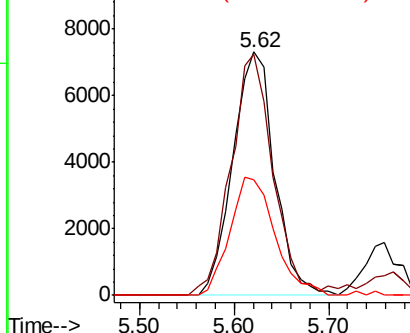


Abundance

Ion 83.00 (82.70 to 83.70): VF0

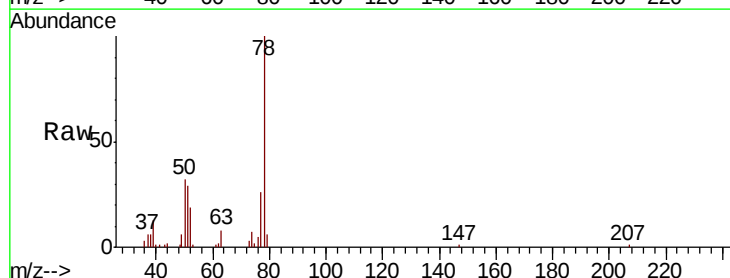
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40
Benzene
Concen: 9.84 ug/l
RT: 4.80 min Scan# 394
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

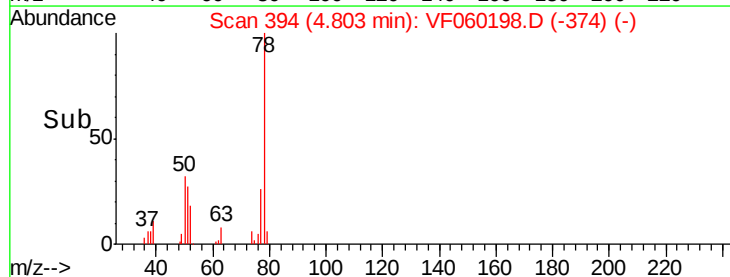
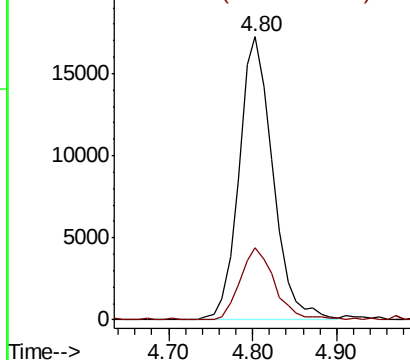
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.4

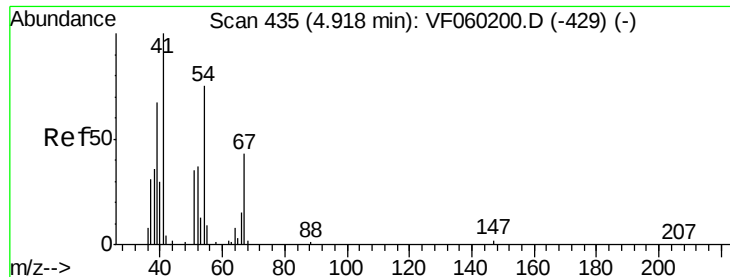


Abundance

Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





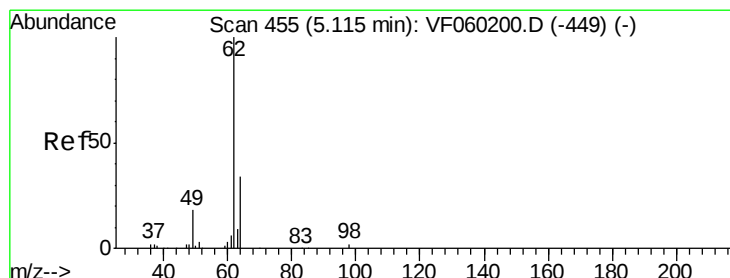
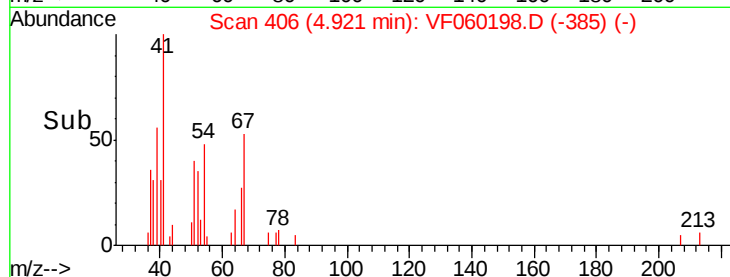
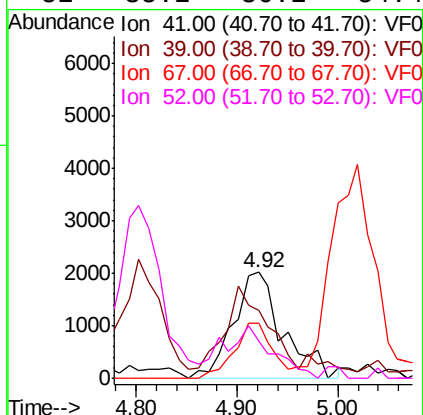
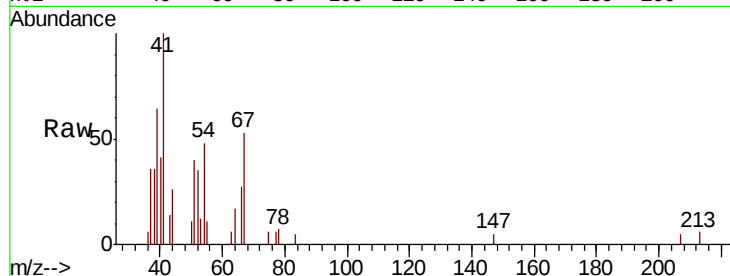
#41
Methacrylonitrile
Concen: 9.65 ug/l
RT: 4.92 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	57.4	86.2
67	52.5	34.6	52.0#
52	35.2	36.2	54.4#

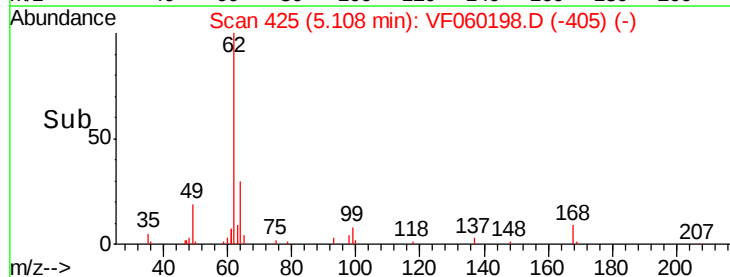
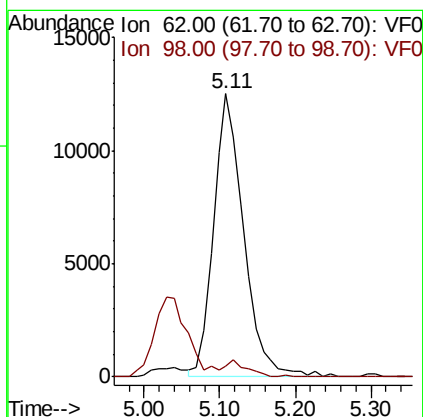
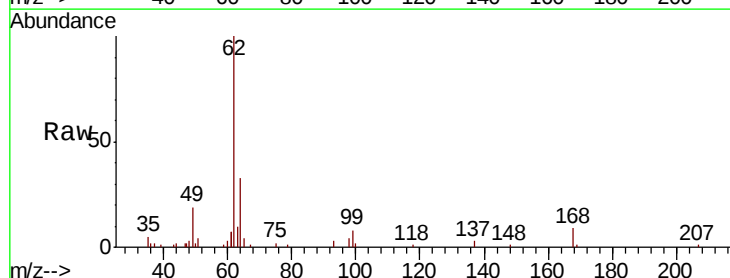
Manual Integrations
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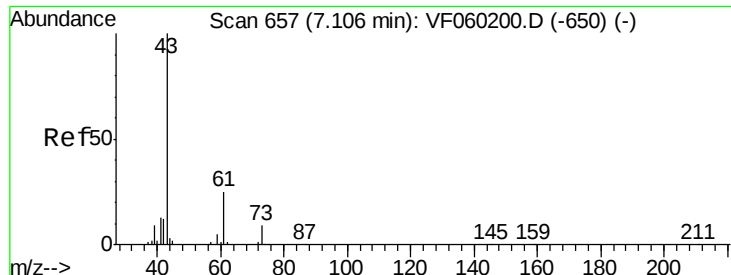
apatel
9/7/2018 10:50:01 AM



#42
1,2-Dichloroethane
Concen: 9.63 ug/l
RT: 5.11 min Scan# 425
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	8.8





#43

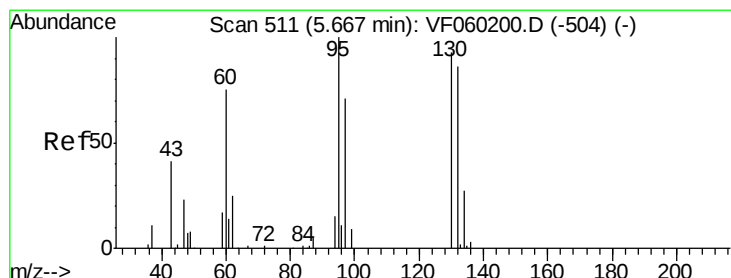
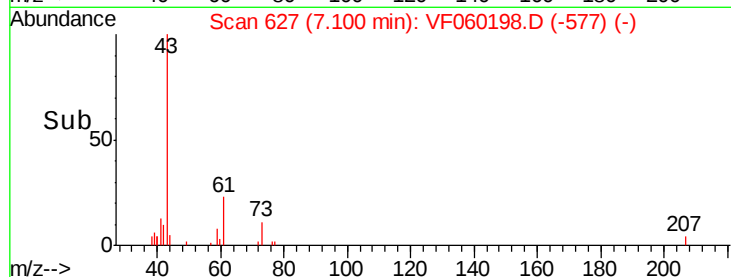
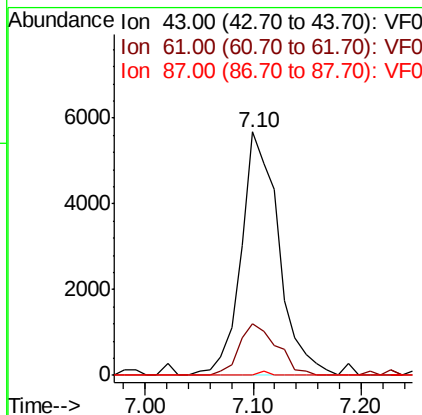
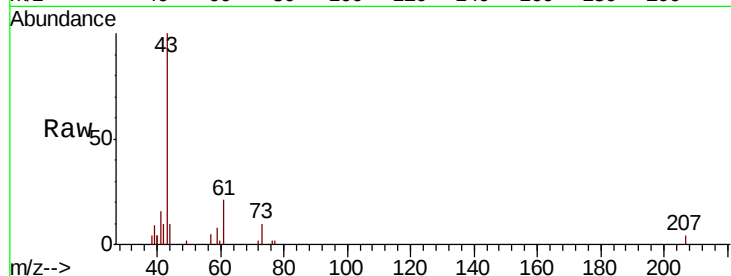
Isopropyl Acetate
 Concen: 8.46 ug/l
 RT: 7.10 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	19.9	29.9
87	0.0	0.4	0.6

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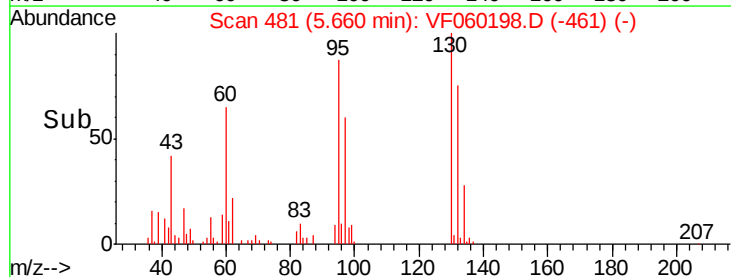
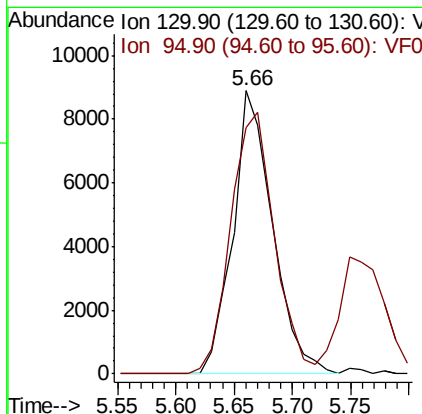
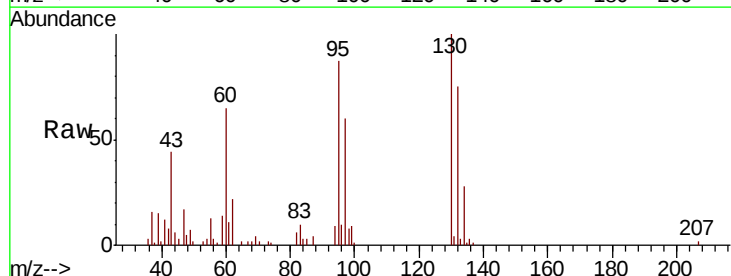
apatel
 9/7/2018 10:50:01 AM

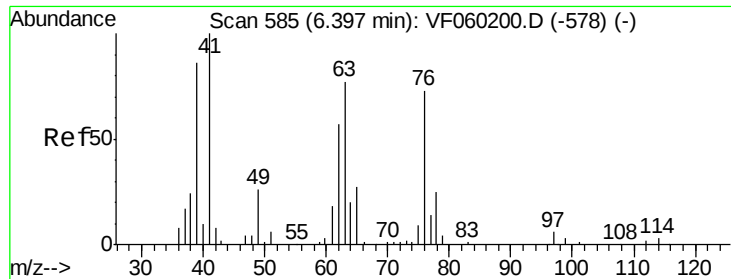


#44

Trichloroethene
 Concen: 10.37 ug/l
 RT: 5.66 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.2	0.0	215.4





#45

1,2-Dichloropropane

Concen: 10.40 ug/l

RT: 6.40 min Scan# 556

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 14594

Ion Ratio Lower Upper

63 100

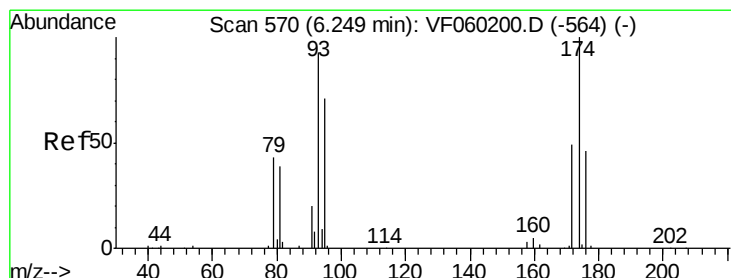
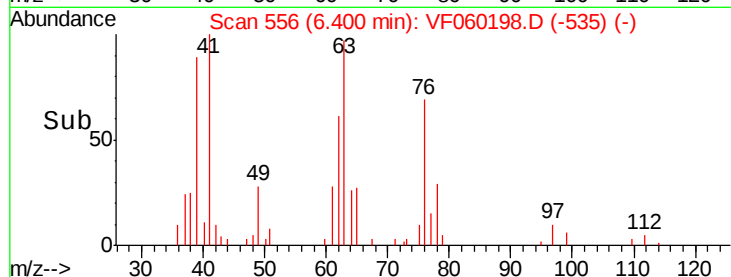
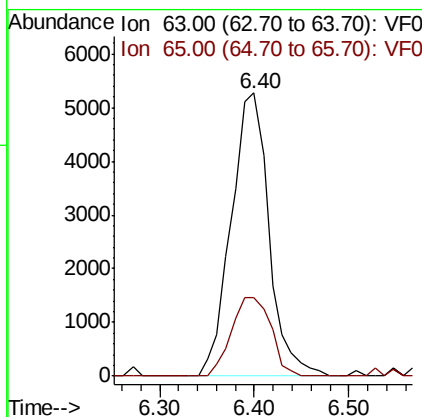
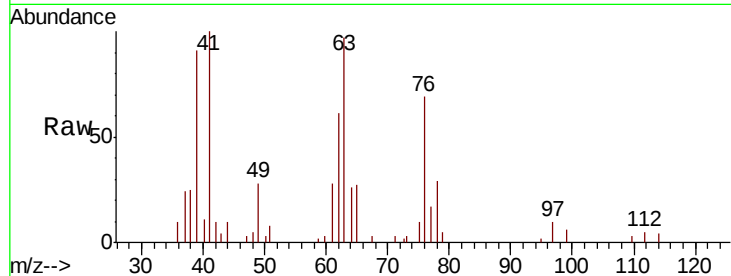
65 27.6 27.9 41.9#

Manual Integrations

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#46

Dibromomethane

Concen: 9.01 ug/l

RT: 6.24 min Scan# 540

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

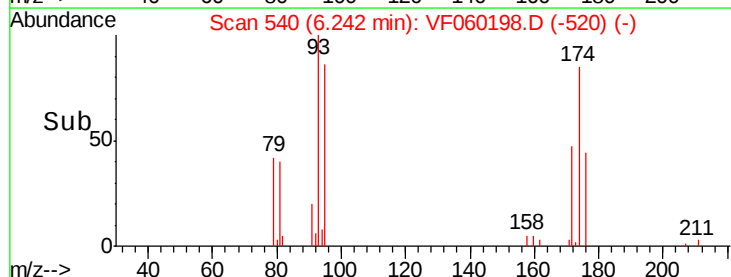
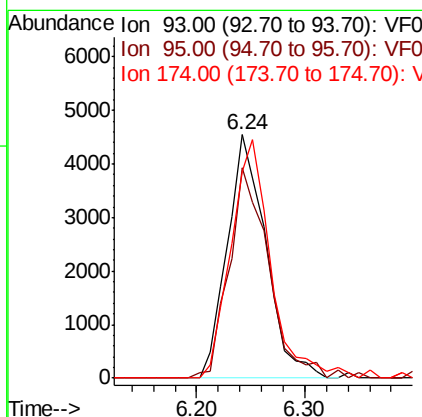
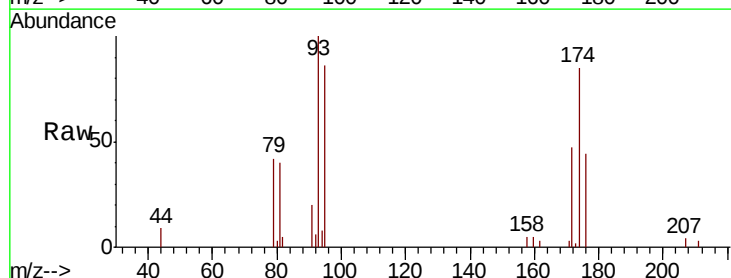
Tgt Ion: 93 Resp: 11302

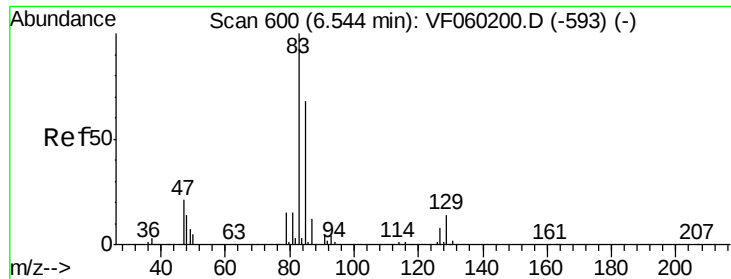
Ion Ratio Lower Upper

93 100

95 86.4 61.4 92.2

174 84.9 85.9 128.9#





#47

Bromodichloromethane

Concen: 9.15 ug/l

RT: 6.55 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

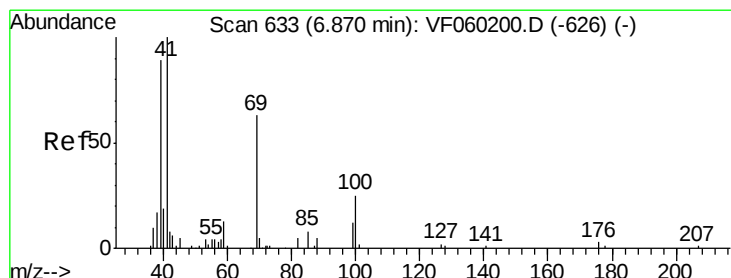
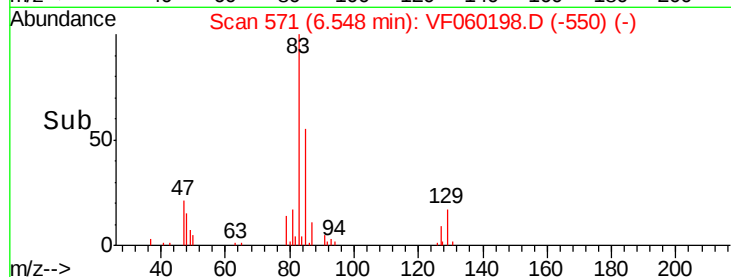
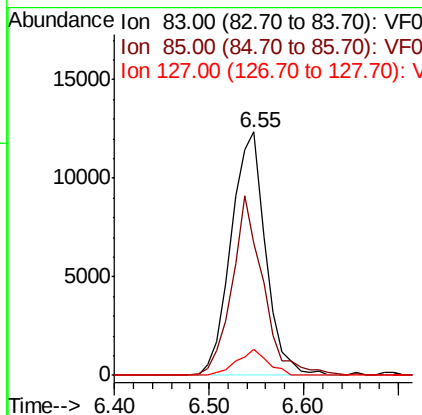
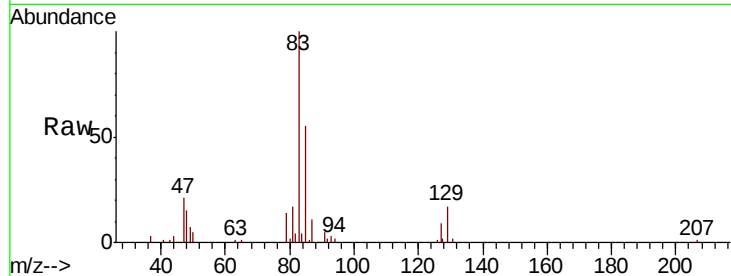
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	31000
Ion	Ratio	Lower	Upper
83	100		
85	54.5	54.0	81.0
127	10.8	6.6	9.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.74 ug/l

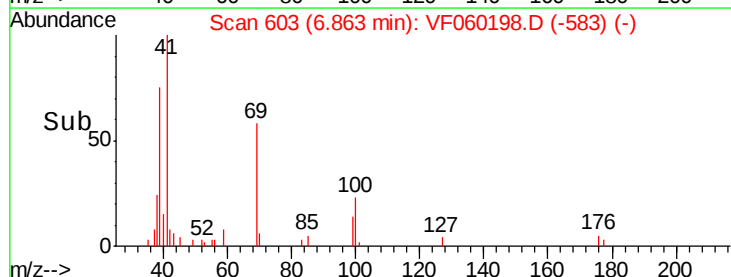
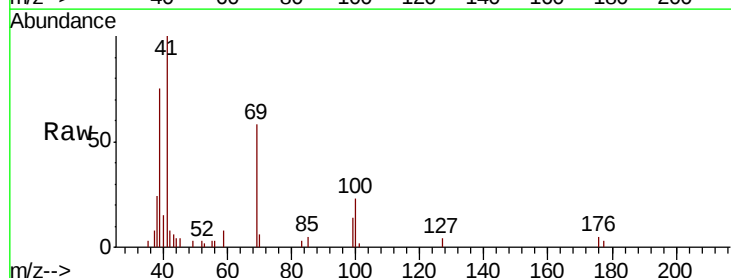
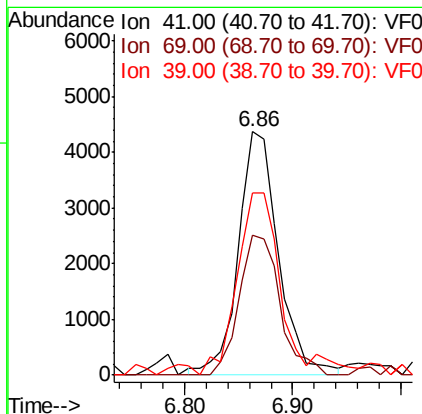
RT: 6.86 min Scan# 603

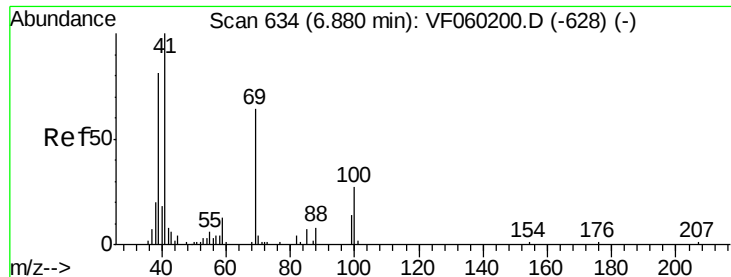
Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	41	Resp:	11257
Ion	Ratio	Lower	Upper
41	100		
69	57.6	50.4	75.6
39	74.8	70.6	106.0





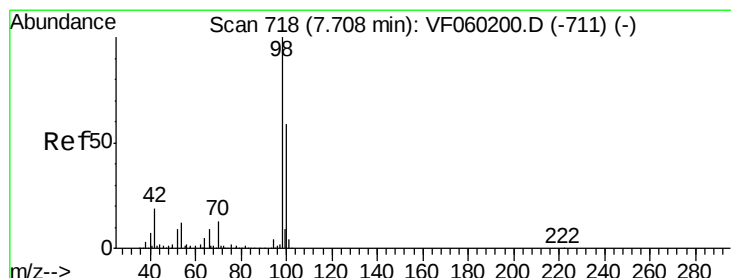
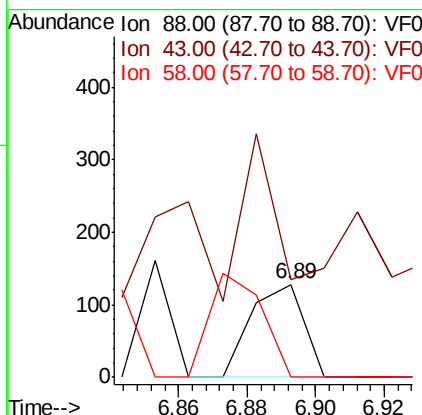
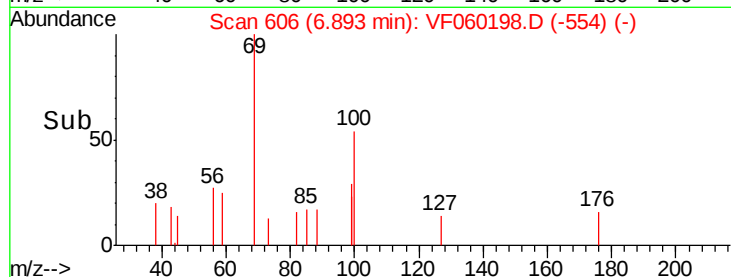
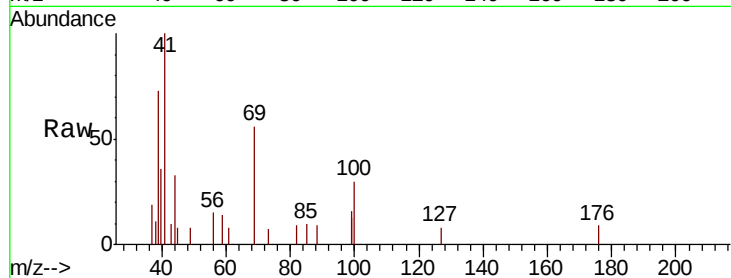
#49
1,4-Dioxane
Concen: 4.71 ug/l m
RT: 6.89 min Scan# 606
Delta R.T. 0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	105.5	68.1	102.1#
58	0.0	38.1	57.1#

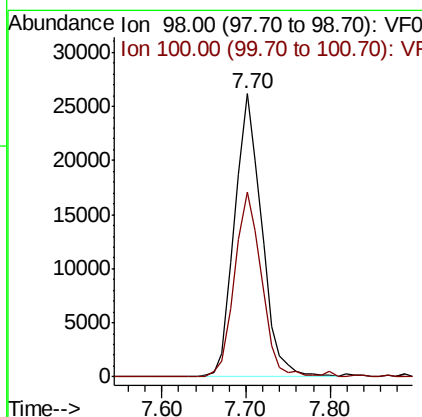
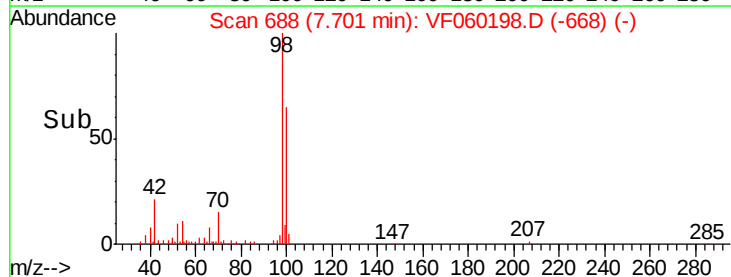
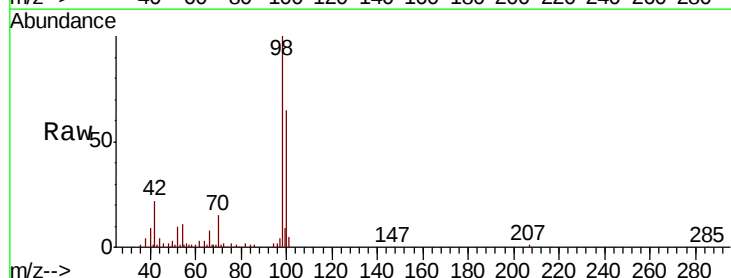
Manual Integrations
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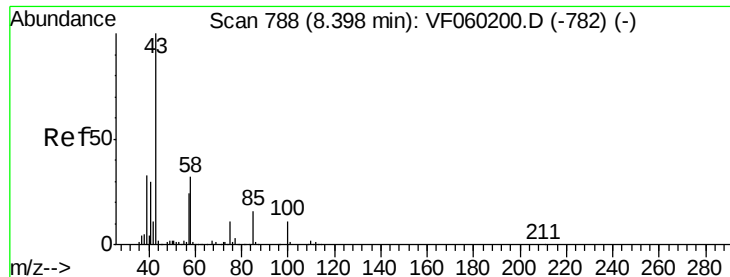
apatel
9/7/2018 10:50:01 AM



#50
Toluene-d8
Concen: 10.22 ug/l
RT: 7.70 min Scan# 688
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	47.4	71.0





#51

4-Methyl-2-Pentanone

Concen: 42.43 ug/l

RT: 8.40 min Scan# 759

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 61344

Ion Ratio Lower Upper

43 100

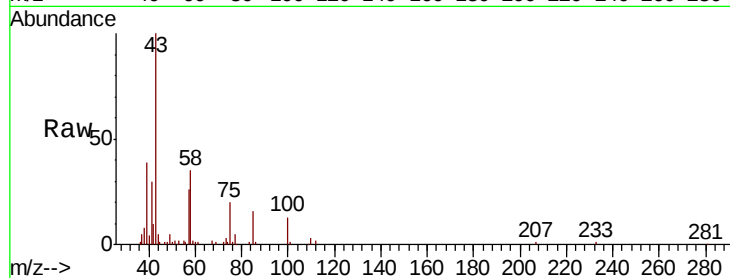
58 34.6 25.8 38.6

Manual Integrations

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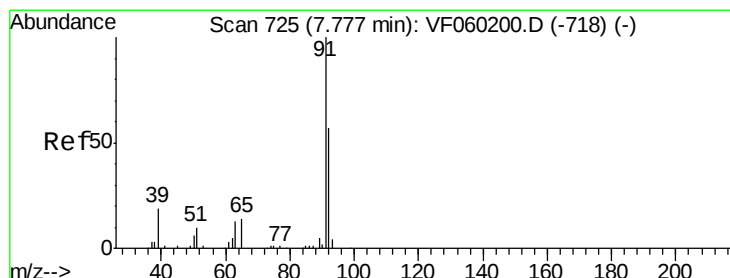
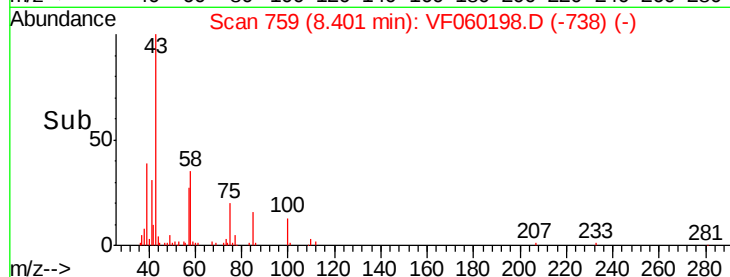
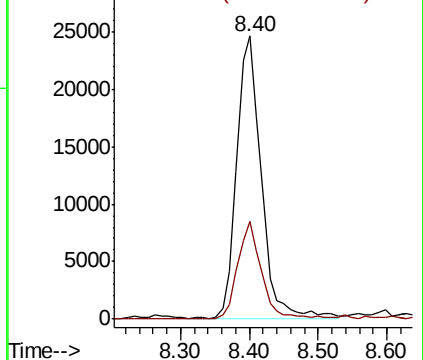
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 10.31 ug/l

RT: 7.77 min Scan# 695

Delta R.T. -0.01 min

Lab File: VF060198.D

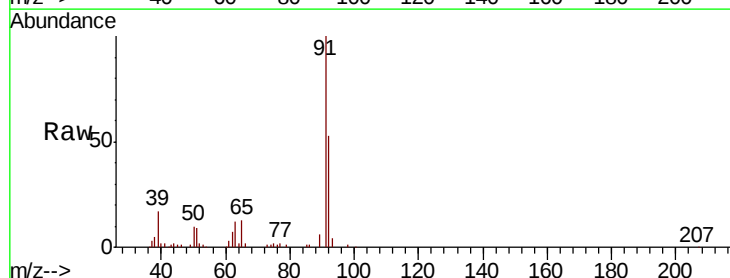
Acq: 6 Sep 2018 12:15

Tgt Ion: 92 Resp: 39243

Ion Ratio Lower Upper

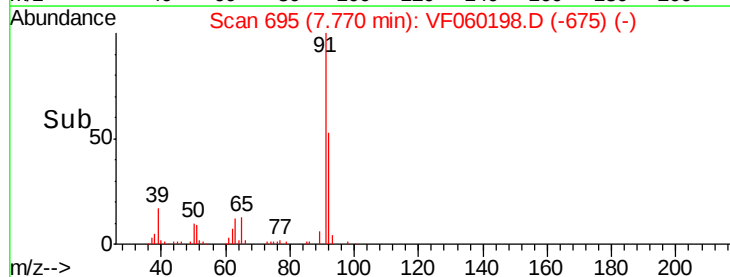
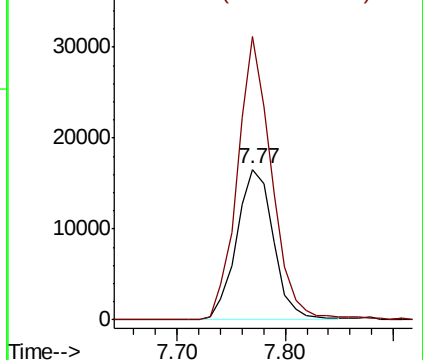
92 100

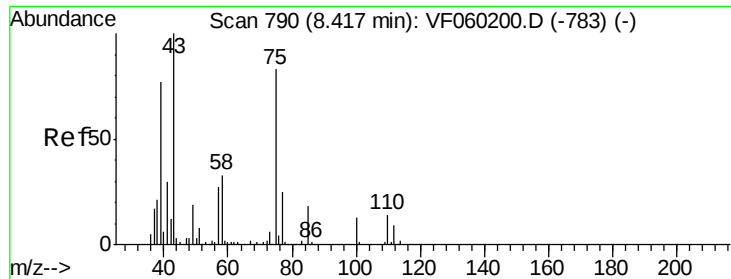
91 187.7 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 7.97 ug/l

RT: 8.42 min Scan# 761

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 22530

Ion Ratio Lower Upper

75 100

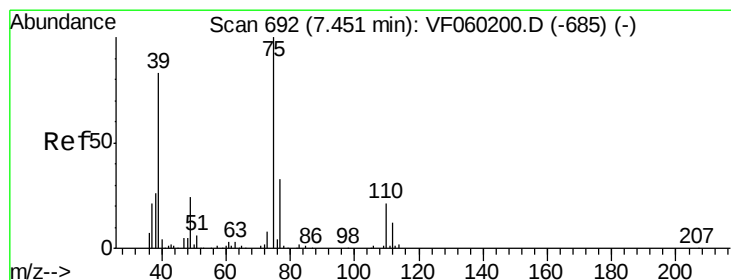
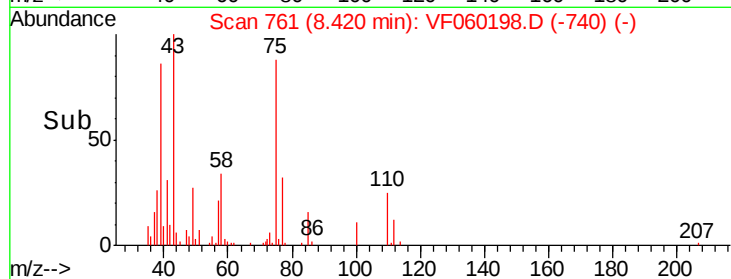
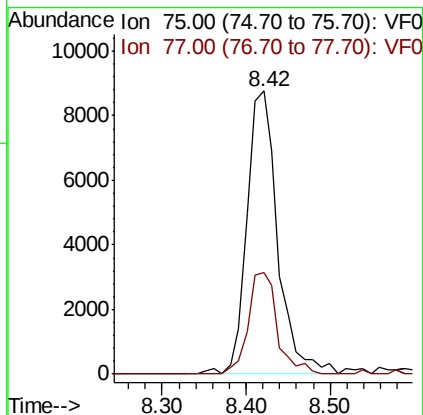
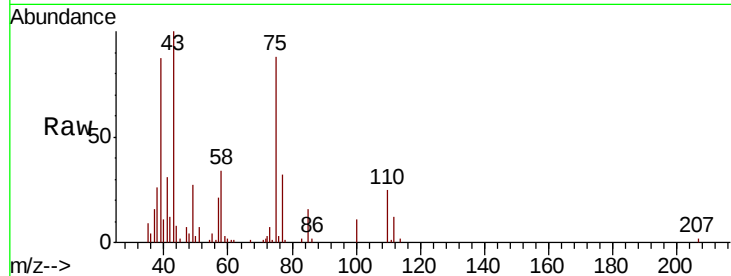
77 36.0 24.3 36.5

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#54

cis-1,3-Dichloropropene

Concen: 8.51 ug/l

RT: 7.45 min Scan# 663

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

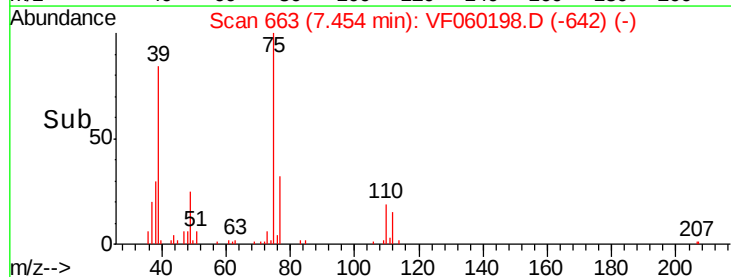
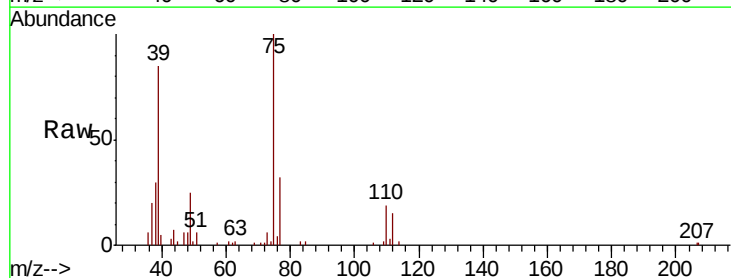
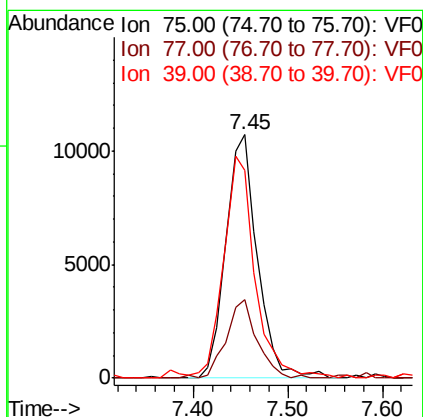
Tgt Ion: 75 Resp: 24686

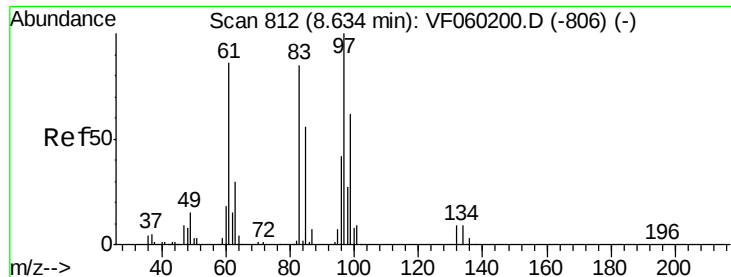
Ion Ratio Lower Upper

75 100

77 32.3 26.6 39.8

39 85.4 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 8.88 ug/l

RT: 8.63 min Scan# 782

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

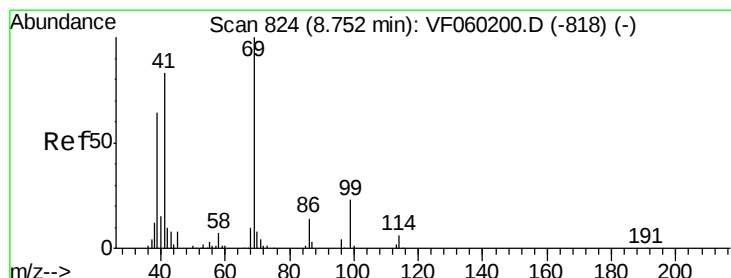
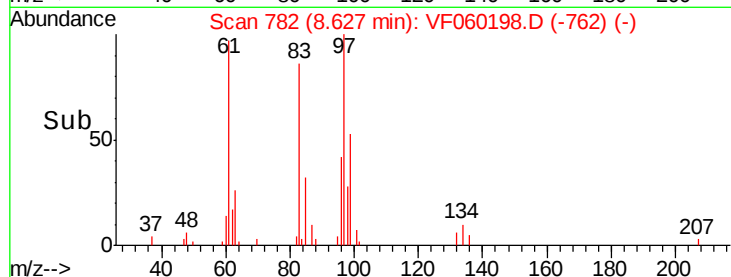
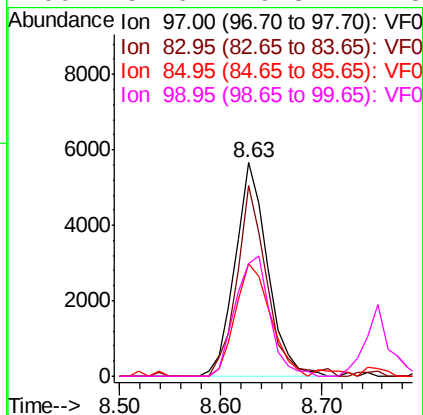
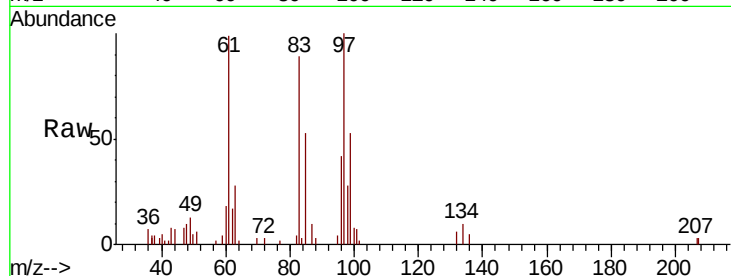
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	12702
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.1	102.1
85	52.7	44.6	66.8
99	52.6	49.8	74.8

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#56

Ethyl methacrylate

Concen: 8.46 ug/l

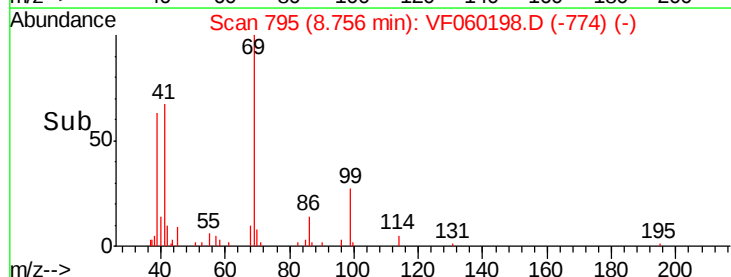
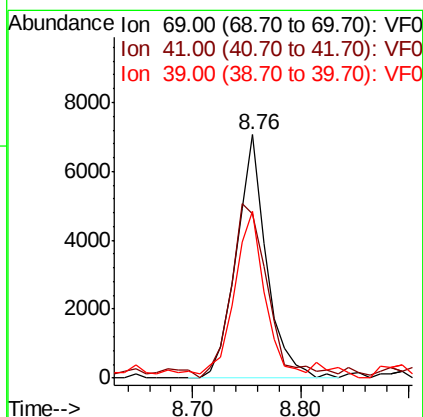
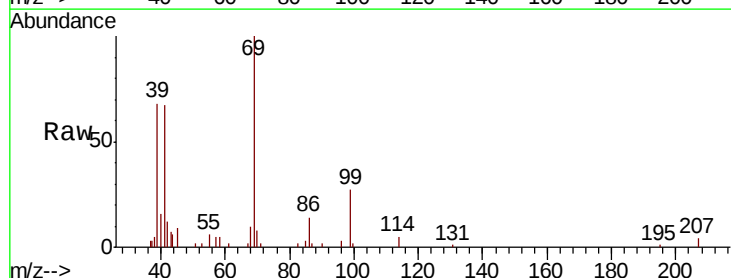
RT: 8.76 min Scan# 795

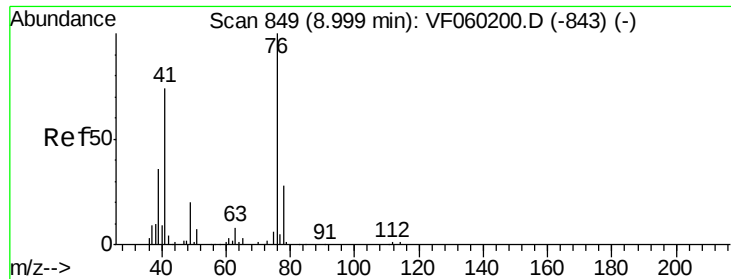
Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	69	Resp:	13627
Ion	Ratio	Lower	Upper
69	100		
41	67.3	66.6	100.0
39	68.3	51.5	77.3





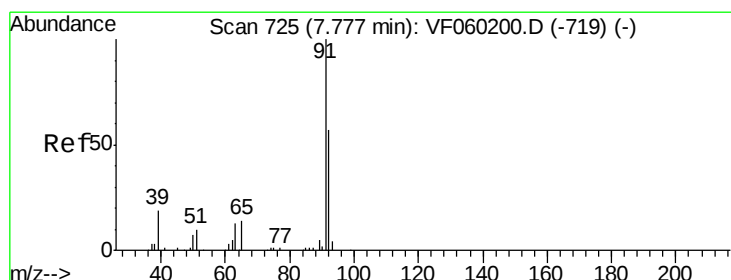
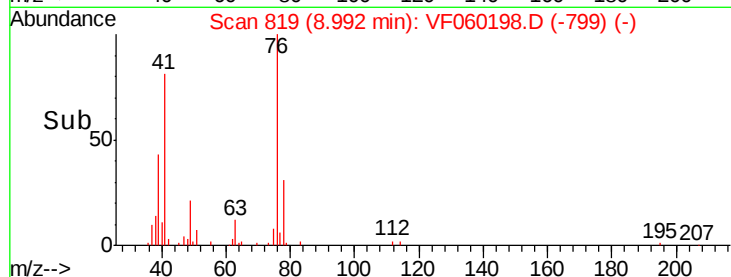
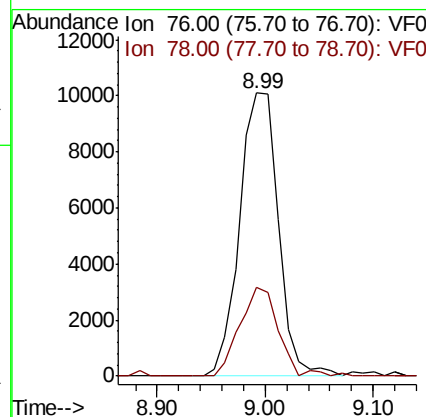
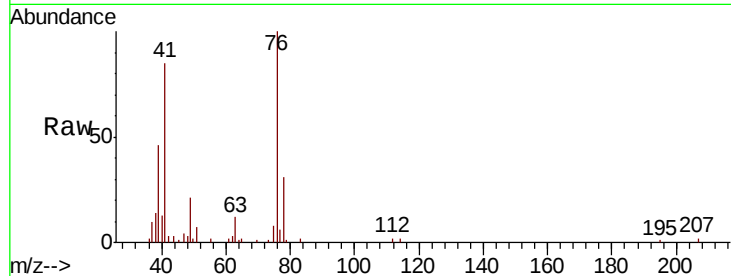
#57
 1,3-Dichloropropane
 Concen: 10.01 ug/l
 RT: 8.99 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	22.8	34.2

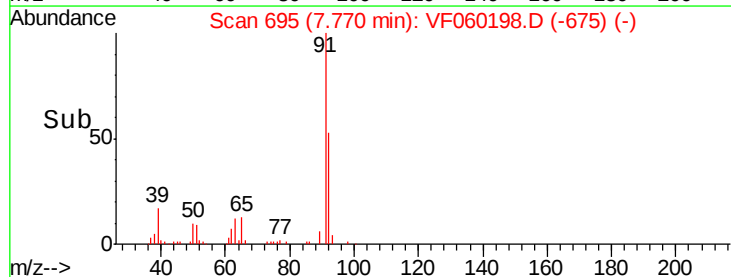
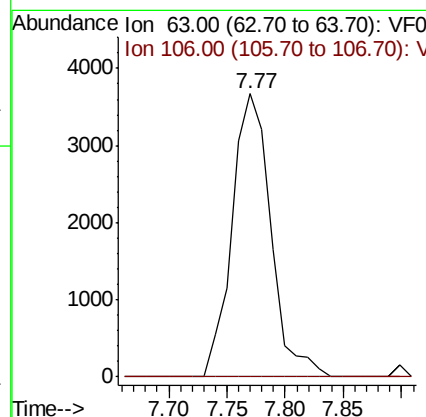
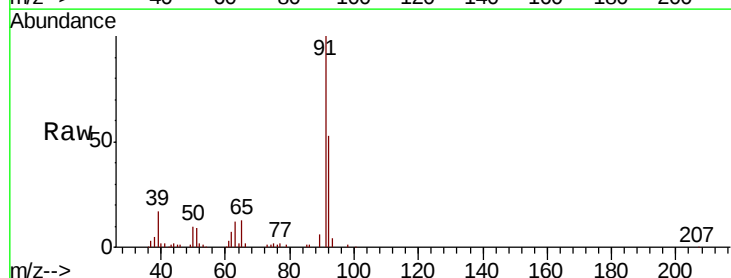
Manual Integrations
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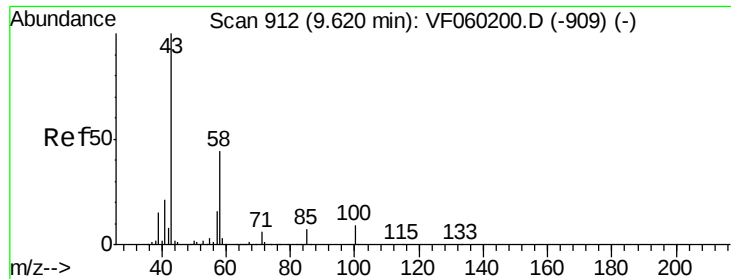
apatel
 9/7/2018 10:50:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.31 ug/l
 RT: 7.77 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





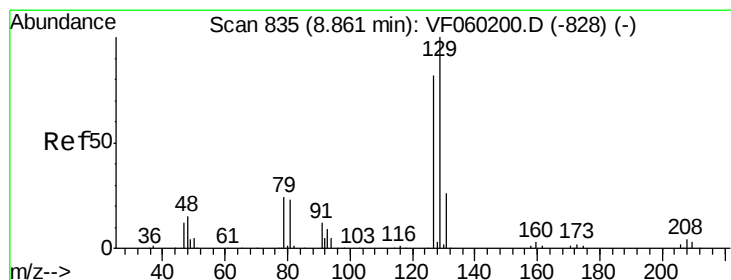
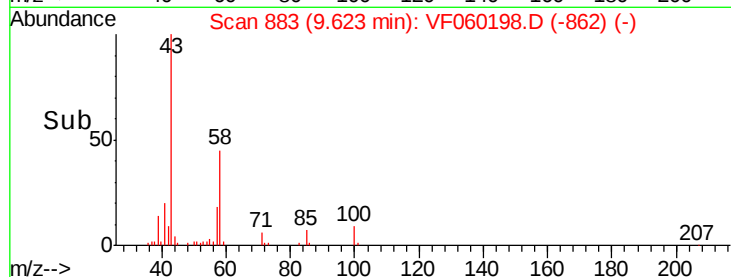
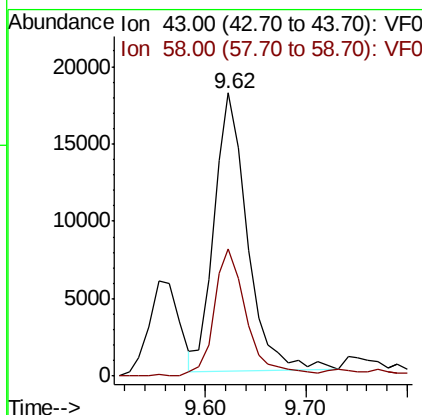
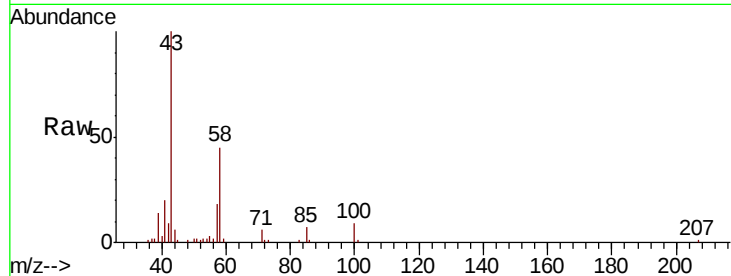
#59
2-Hexanone
Concen: 37.49 ug/l
RT: 9.62 min Scan# 883
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	40821
Ion Ratio	Lower	Upper	
43	100		
58	44.9	20.8	62.5

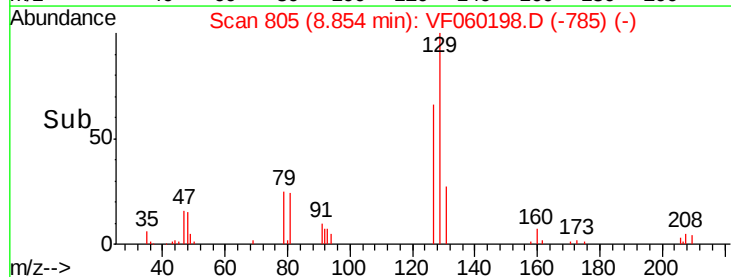
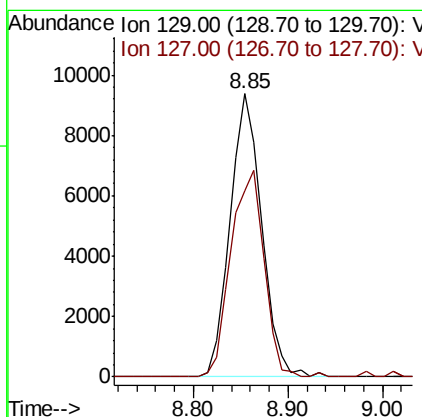
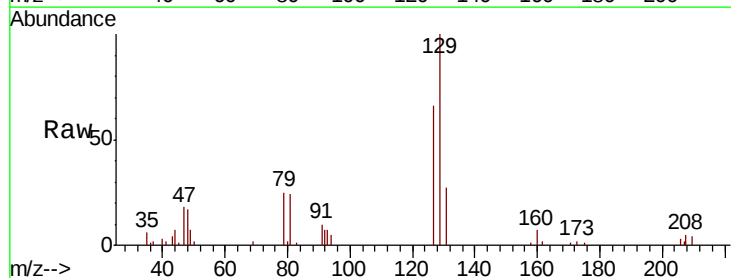
Manual Integrations
APPROVED

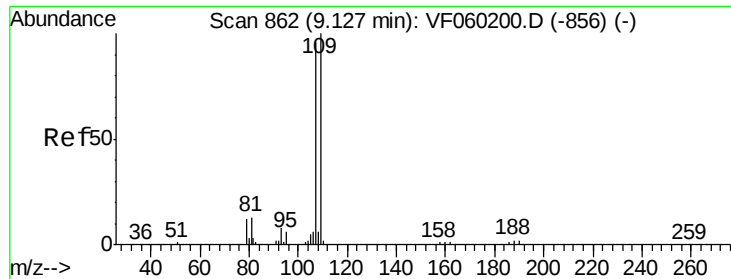
apatel
9/7/2018 10:50:01 AM



#60
Dibromochloromethane
Concen: 9.20 ug/l
RT: 8.85 min Scan# 805
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	129	Resp	21707
Ion Ratio	Lower	Upper	
129	100		
127	66.0	40.9	122.8





#61

1,2-Dibromoethane

Concen: 9.48 ug/l

RT: 9.13 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 16181

Ion Ratio Lower Upper

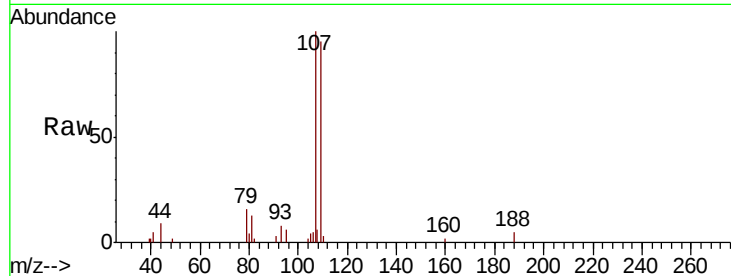
107 100

109 90.4 83.0 124.4

Manual Integrations
APPROVED

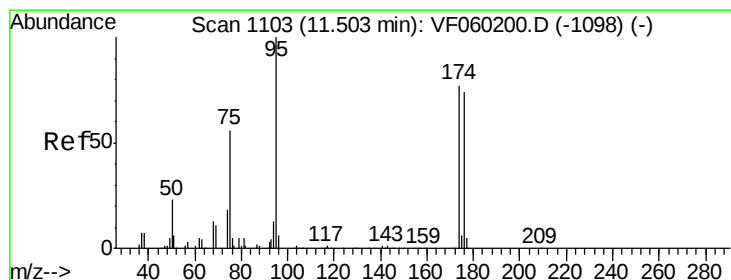
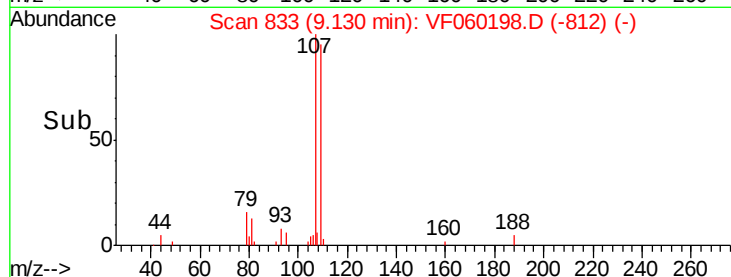
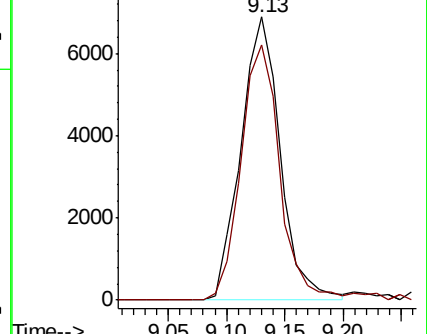
apatel

9/7/2018 10:50:01 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 9.18 ug/l

RT: 11.51 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

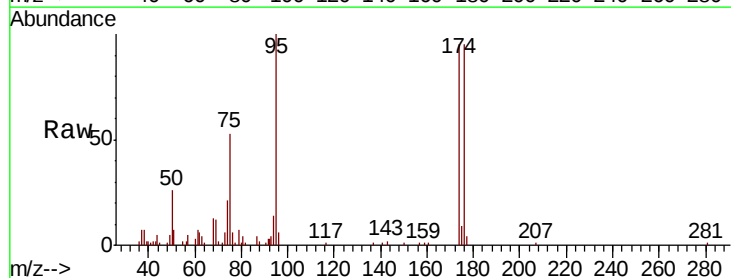
Tgt Ion: 95 Resp: 30022

Ion Ratio Lower Upper

95 100

174 95.1 0.0 153.2

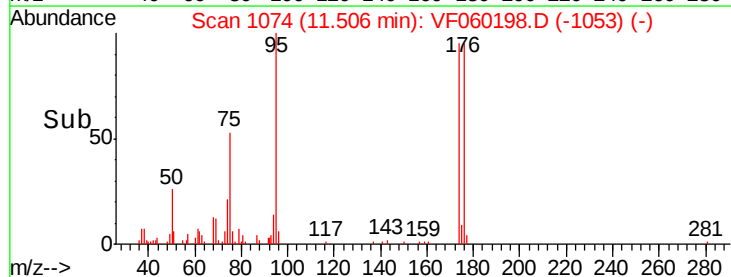
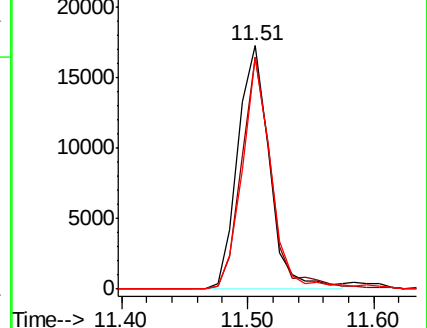
176 95.3 0.0 147.2

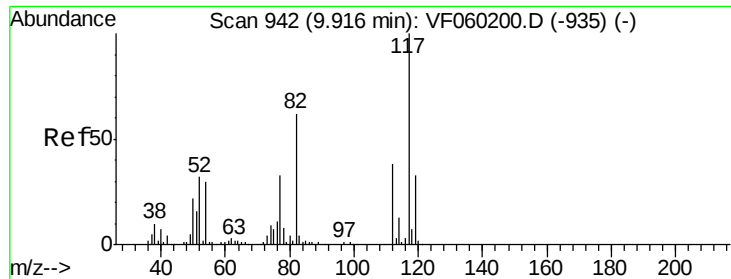


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





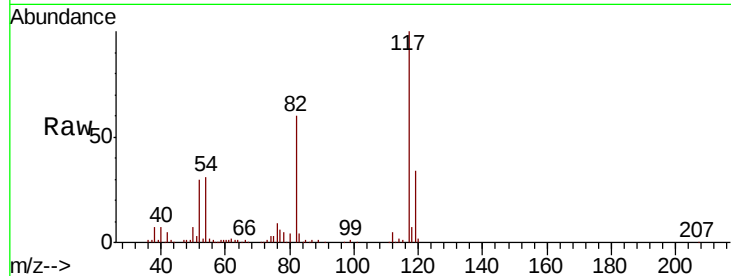
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	235632		
82	59.9		49.3	73.9
119	33.8		26.5	39.7

Manual Integrations
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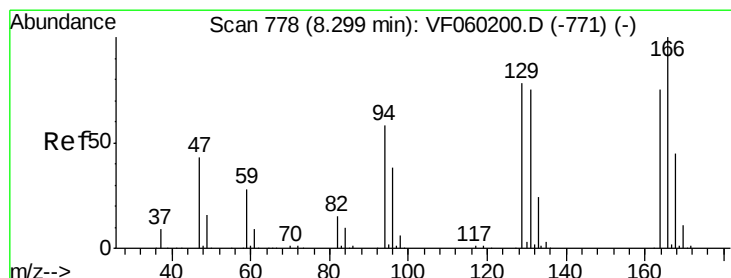
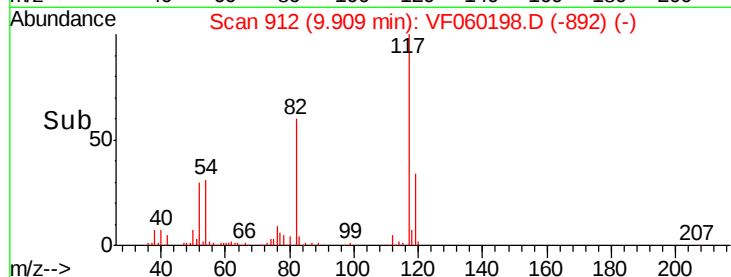
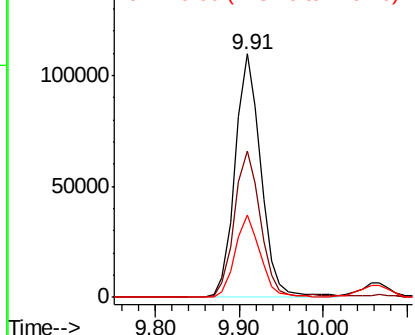


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 11.42 ug/l
RT: 8.29 min Scan# 748
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31311		
166	123.8		107.0	160.4
129	92.9		83.0	124.6
131	92.5		79.8	119.8

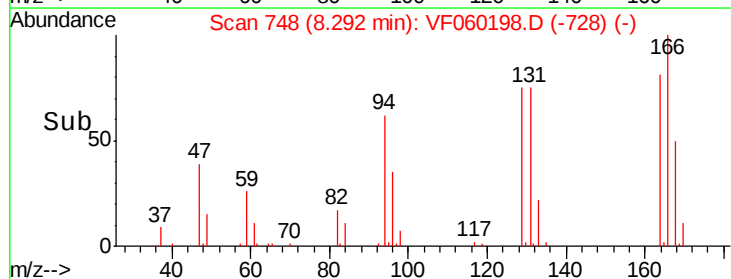
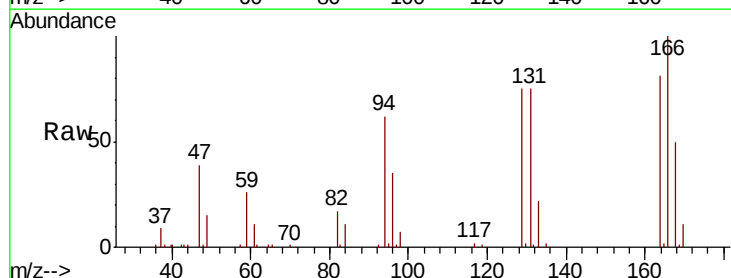
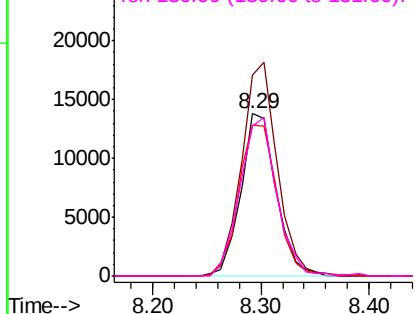
Abundance

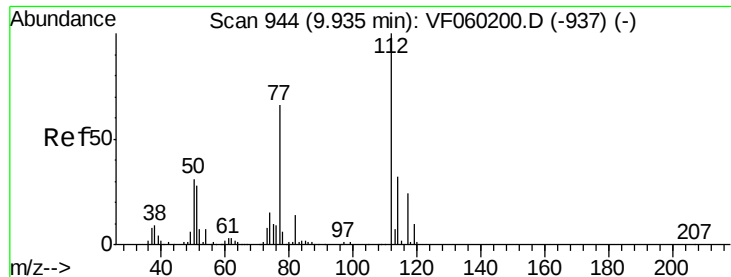
Ion 163.85 (163.55 to 164.55): V

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





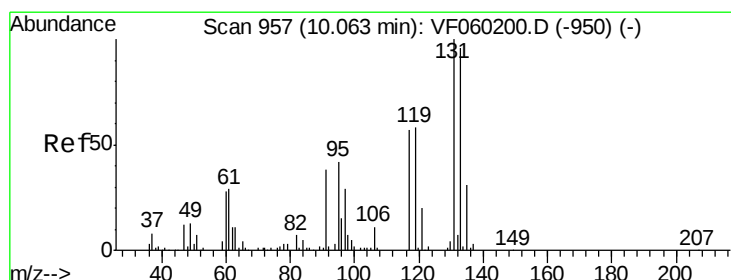
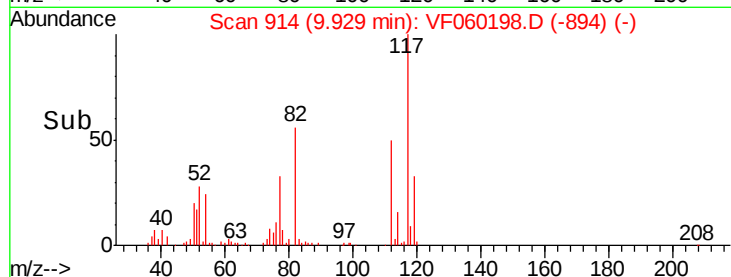
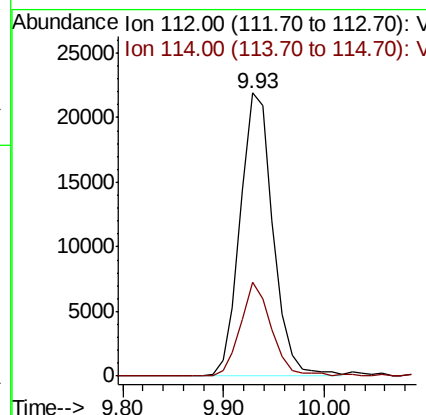
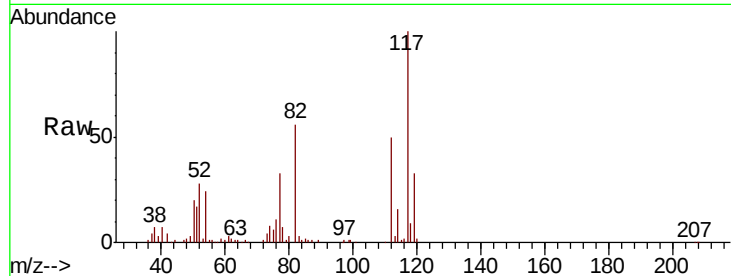
#65
Chlorobenzene
Concen: 10.28 ug/l
RT: 9.93 min Scan# 914
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.7	38.5

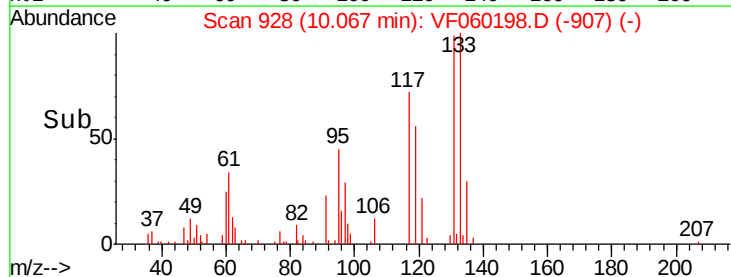
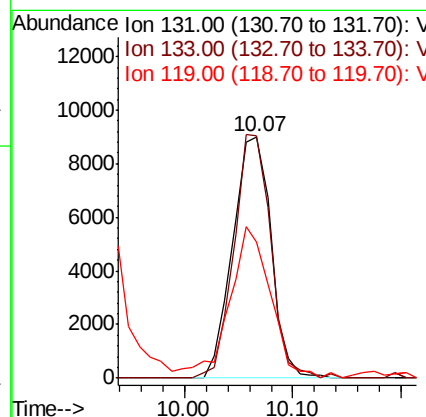
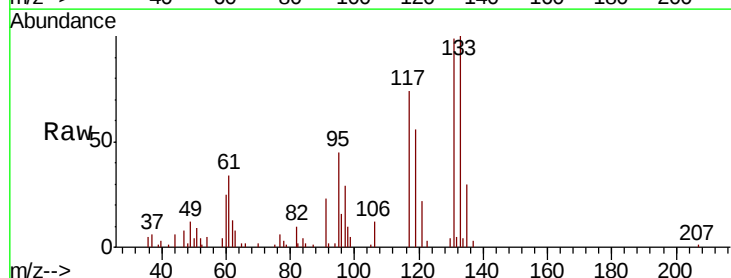
Manual Integrations
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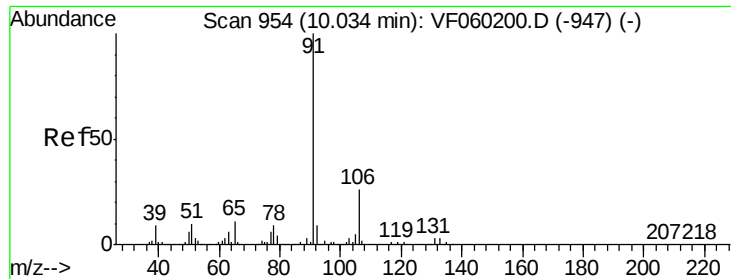
apatel
9/7/2018 10:50:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.33 ug/l
RT: 10.07 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.9	143.8
119	56.6	29.0	87.0





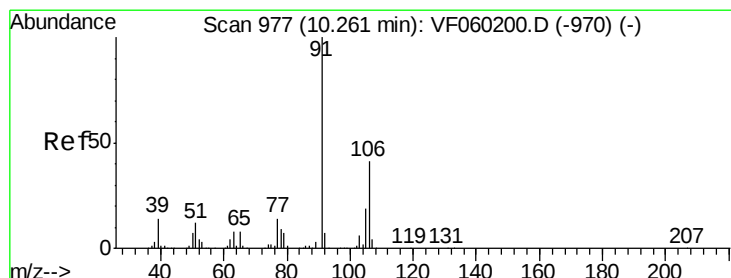
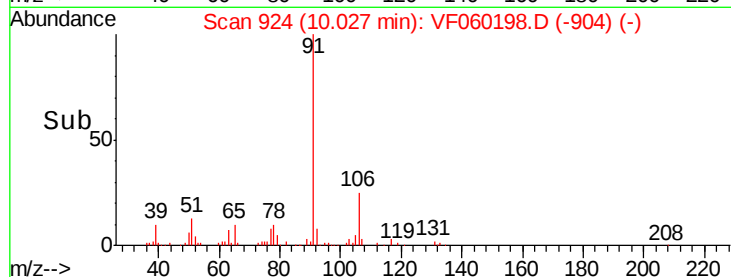
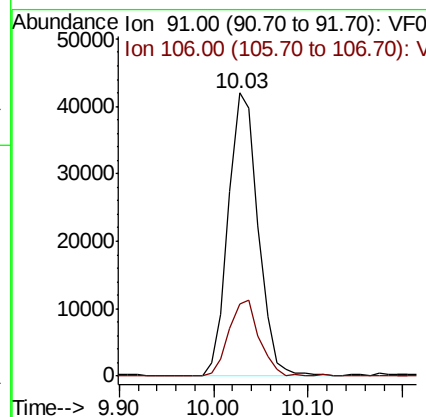
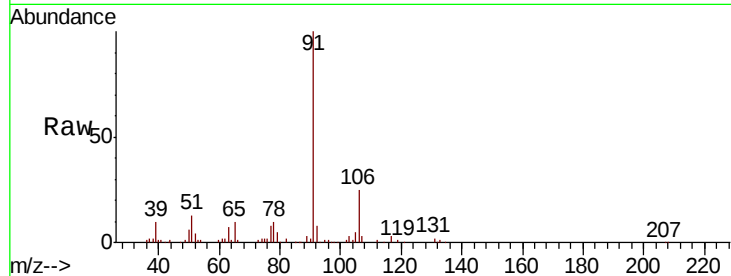
#67
Ethyl Benzene
Concen: 10.28 ug/l
RT: 10.03 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 92591
Ion Ratio Lower Upper
91 100
106 25.4 21.1 31.7

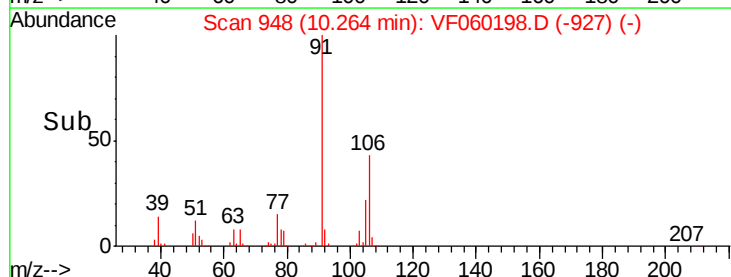
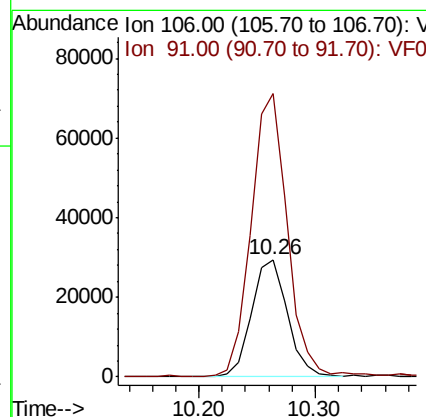
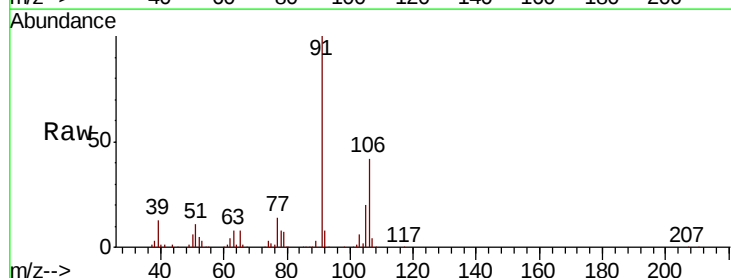
Manual Integrations
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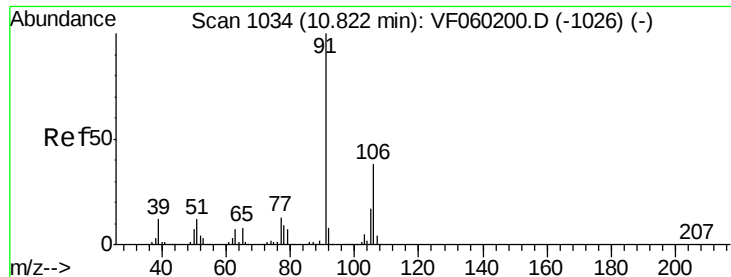
apatel
9/7/2018 10:50:01 AM



#68
m/p-Xylenes
Concen: 20.75 ug/l
RT: 10.26 min Scan# 948
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion: 106 Resp: 62625
Ion Ratio Lower Upper
106 100
91 240.9 194.6 291.8





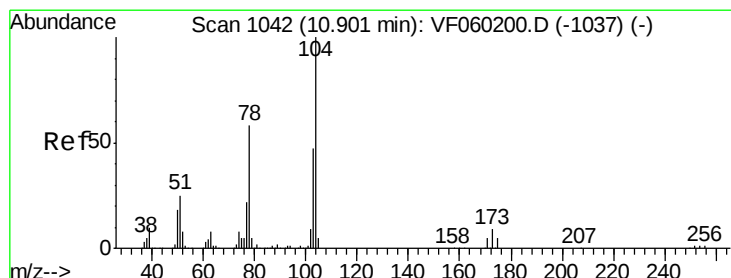
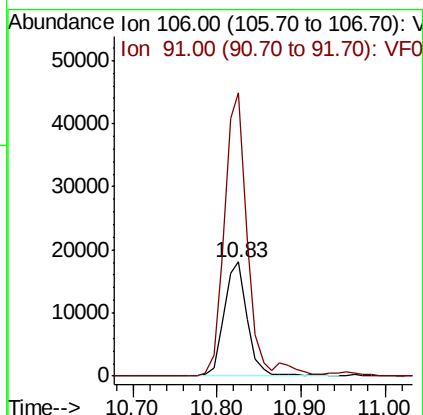
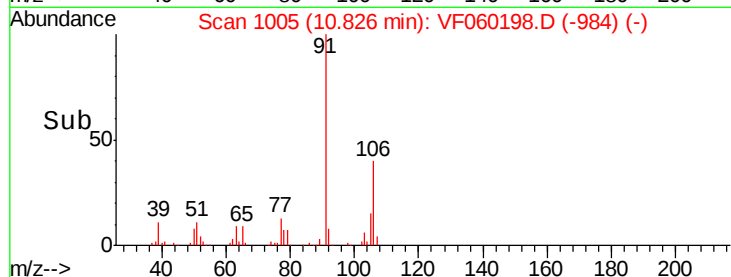
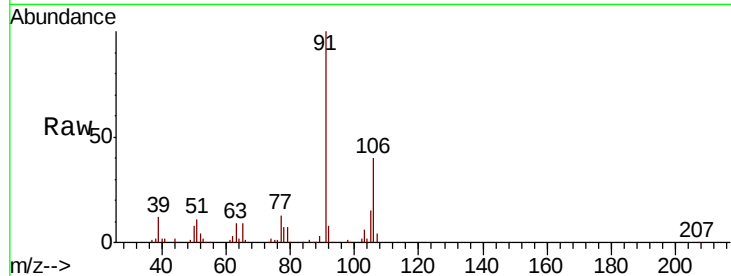
#69
o-Xylene
Concen: 10.77 ug/l
RT: 10.83 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	248.1	130.5	391.5	

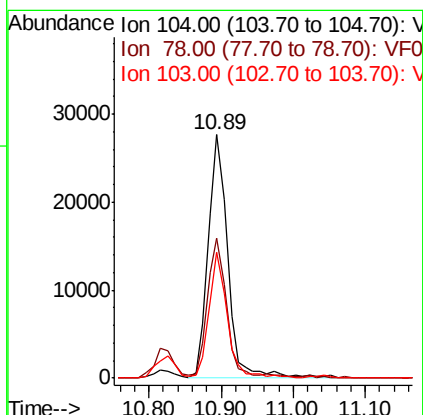
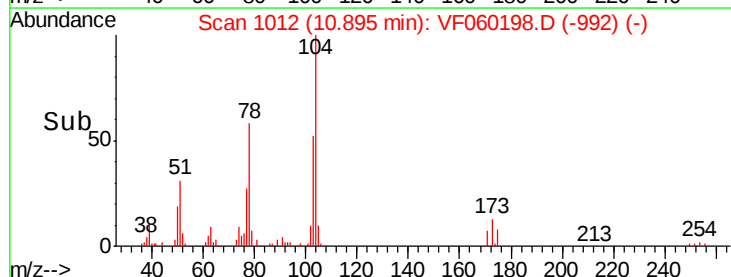
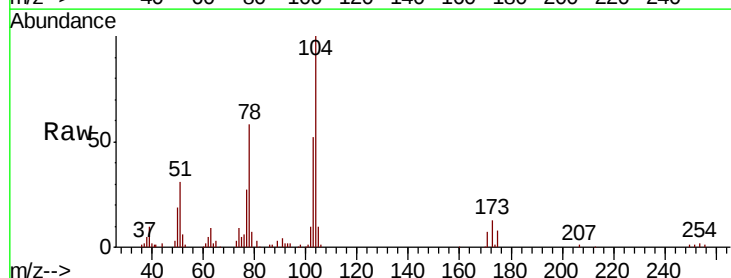
Manual Integrations
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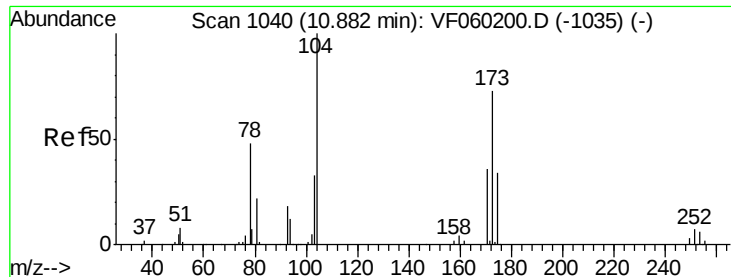
apatel
9/7/2018 10:50:01 AM



#70
Styrene
Concen: 10.70 ug/l
RT: 10.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	57.7	47.1	70.7	
103	51.8	38.6	57.8	





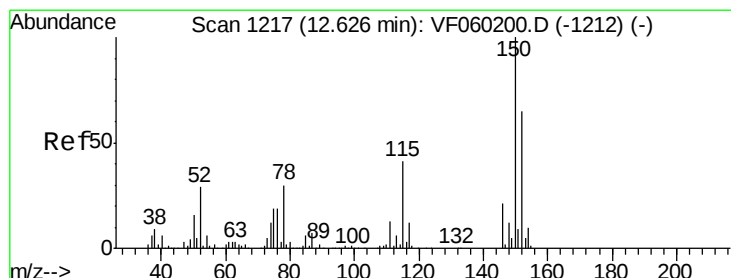
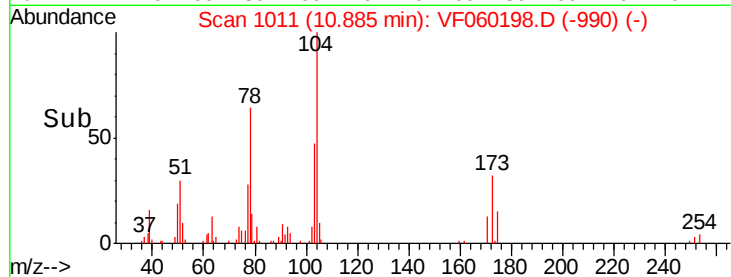
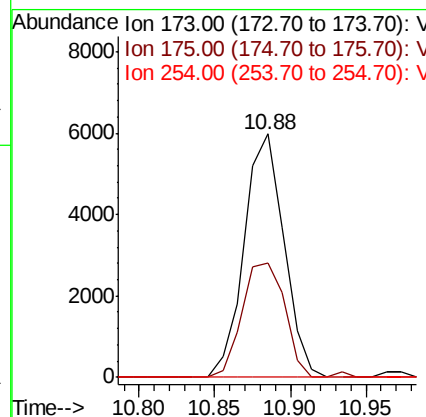
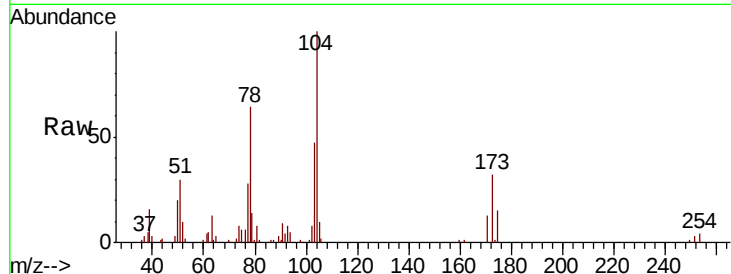
#71
Bromoform
Concen: 8.76 ug/l
RT: 10.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.1	69.3
254	0.0	0.2	0.4

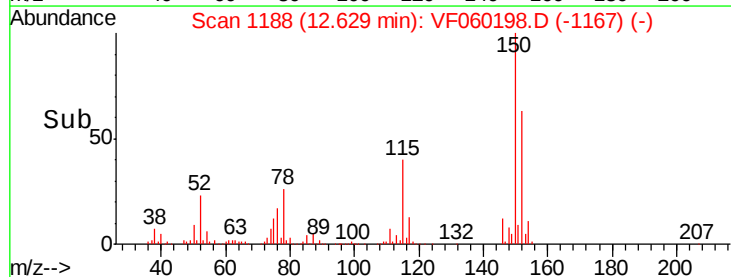
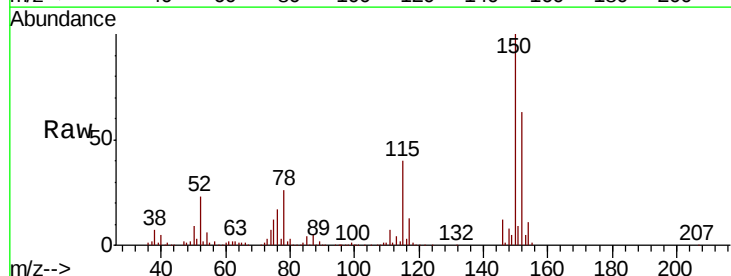
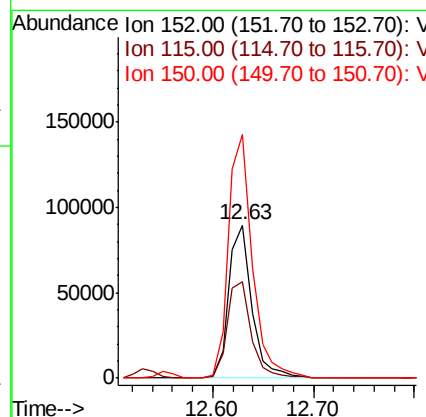
Manual Integrations
APPROVED

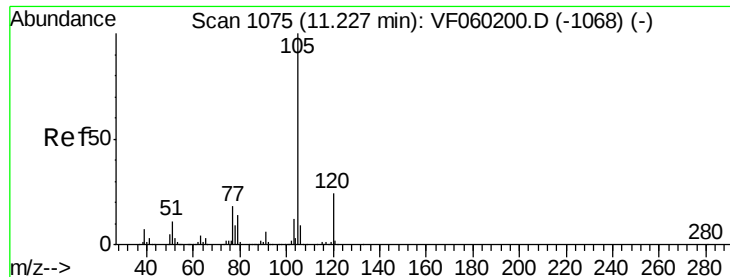
apatel
9/7/2018 10:50:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.5	94.5
150	159.1	0.0	310.4





#73

Isopropylbenzene

Concen: 10.85 ug/l

RT: 11.22 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 107491

Ion Ratio Lower Upper

105 100

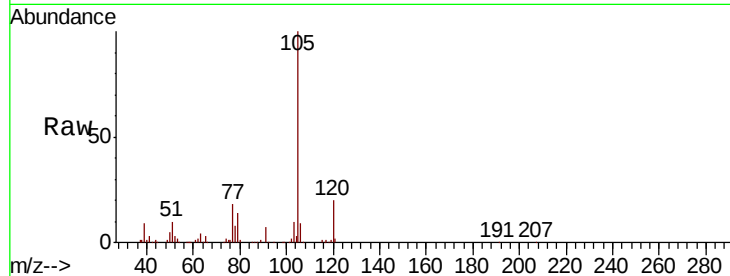
120 19.9 11.8 35.3

Manual Integrations

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apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

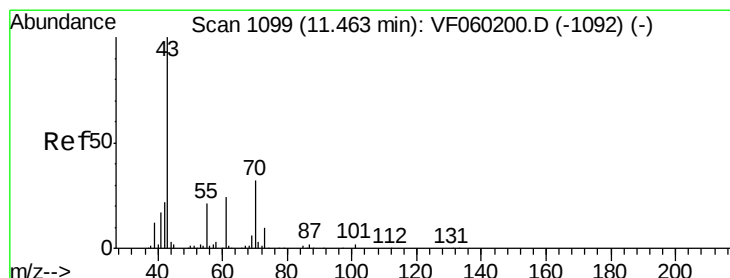
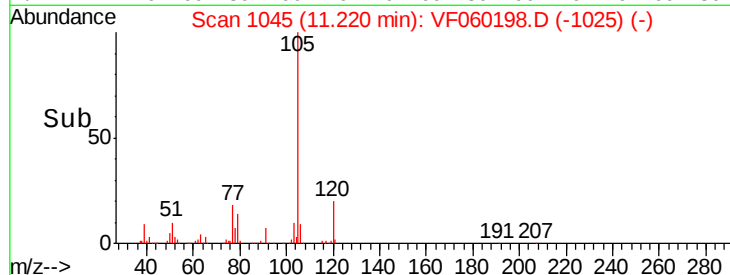
20000

0

11.22

11.30

Time-->



#74

N-ethyl acetate

Concen: 7.23 ug/l

RT: 11.46 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion: 43 Resp: 11914

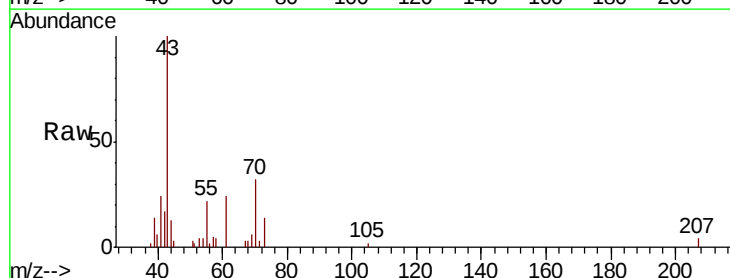
Ion Ratio Lower Upper

43 100

70 32.3 25.8 38.6

55 21.7 16.8 25.2

61 24.0 18.9 28.3



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

10000

8000

6000

4000

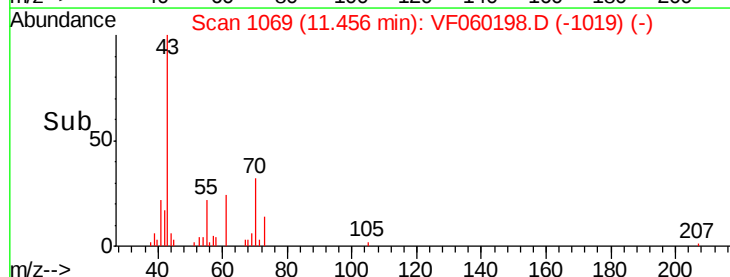
2000

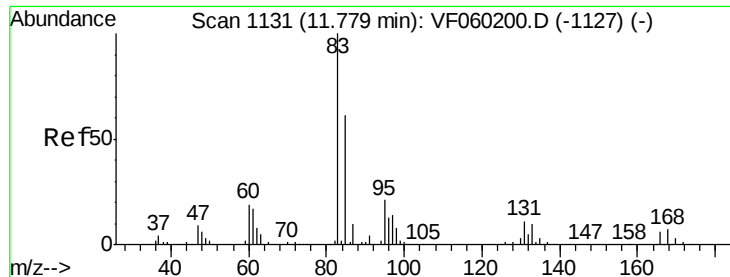
0

11.46

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.79 ug/l

RT: 11.78 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

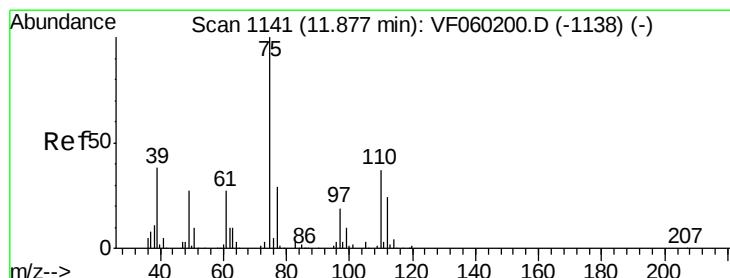
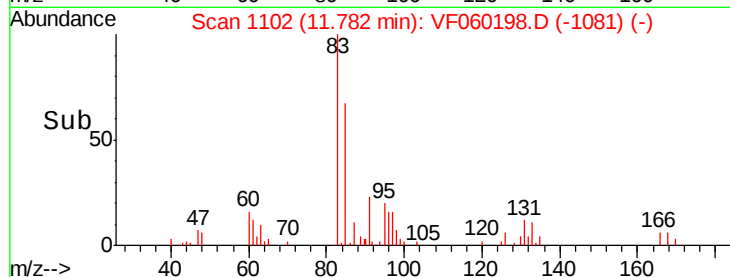
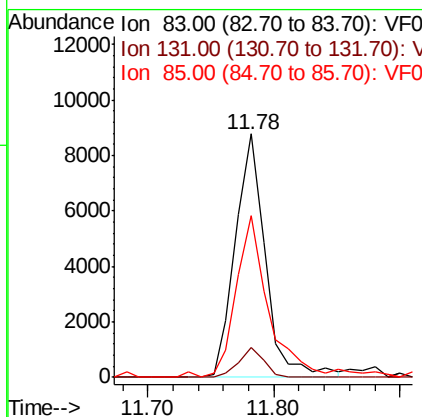
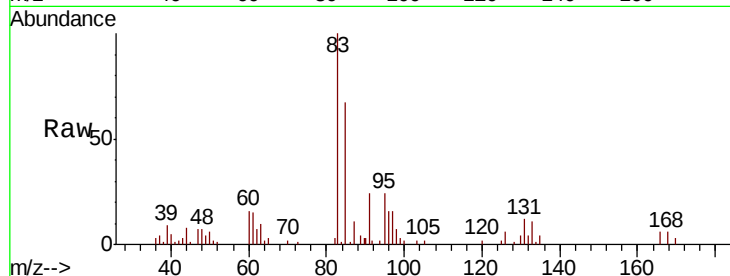
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	14557
Ion	Ratio	Lower	Upper
83	100		
131	12.5	5.5	16.4
85	66.6	31.1	93.5

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#76

1,2,3-Trichloropropane

Concen: 10.28 ug/l

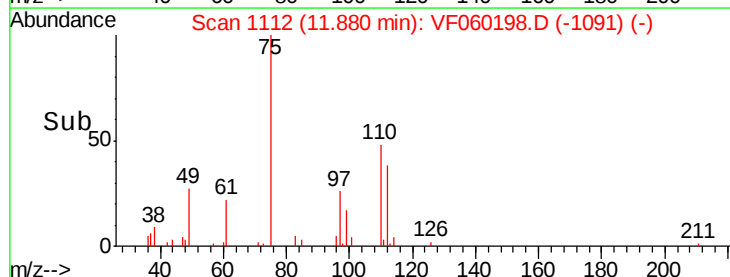
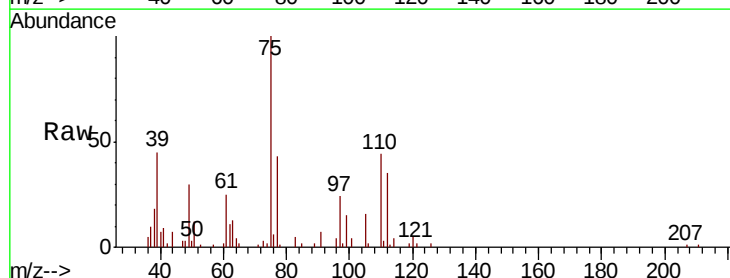
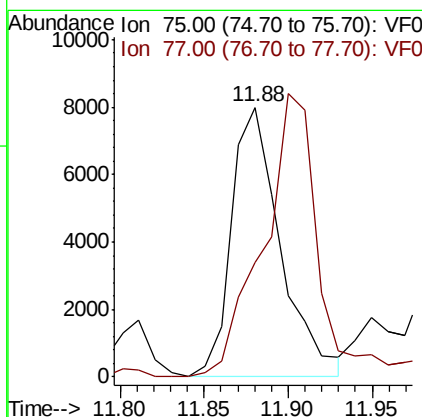
RT: 11.88 min Scan# 1112

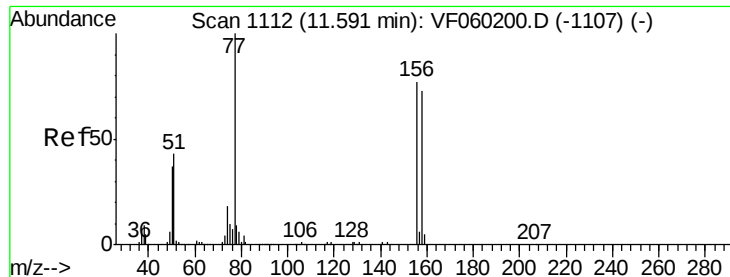
Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	75	Resp:	16171
Ion	Ratio	Lower	Upper
75	100		
77	42.5	14.6	43.8





#77

Bromobenzene

Concen: 11.20 ug/l

RT: 11.58 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

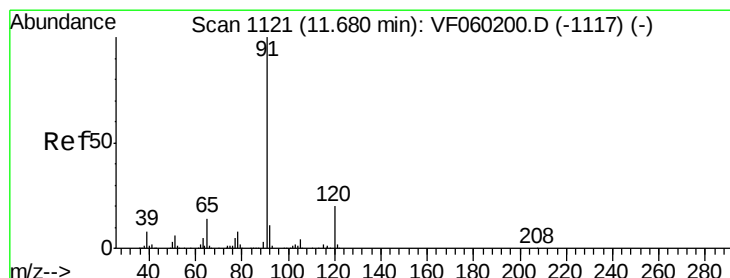
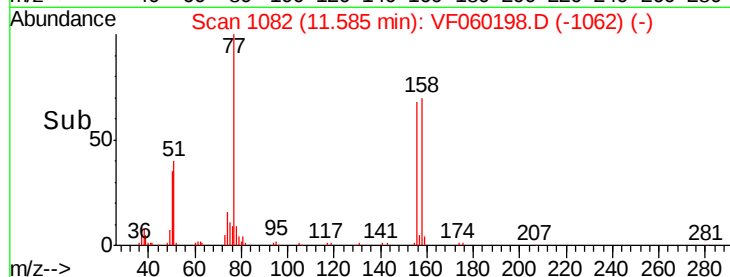
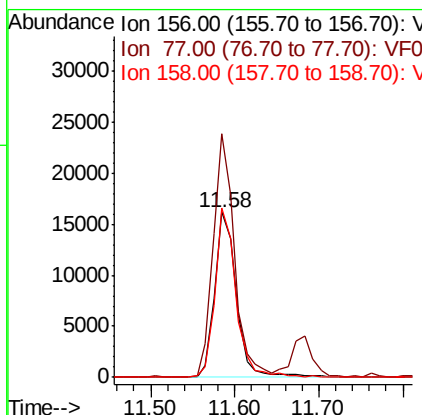
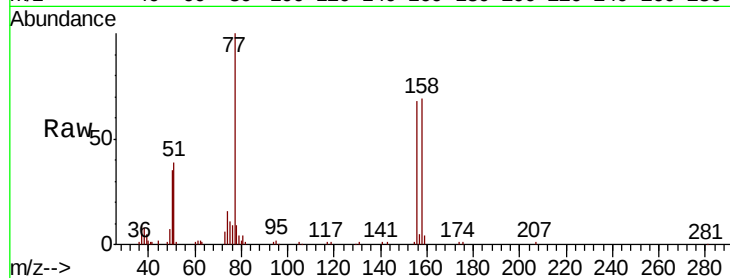
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	28951
Ion Ratio	Lower	Upper	
156	100		
77	147.5	64.8	194.3
158	102.4	47.3	141.8

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#78

n-propylbenzene

Concen: 10.68 ug/l

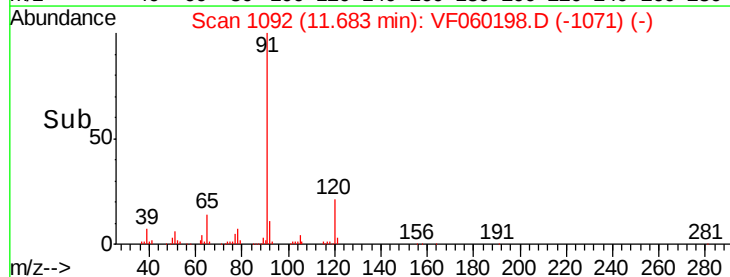
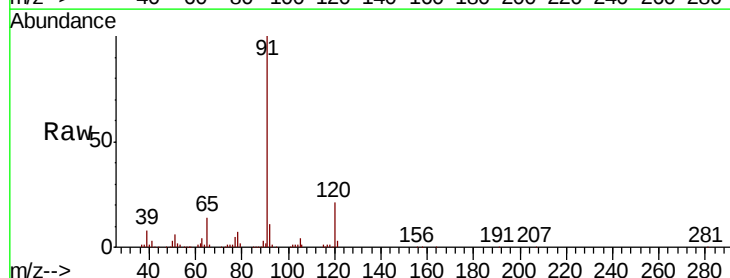
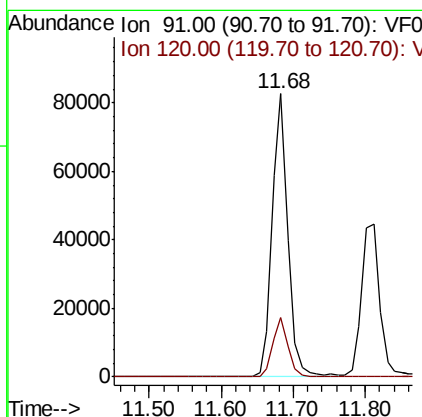
RT: 11.68 min Scan# 1092

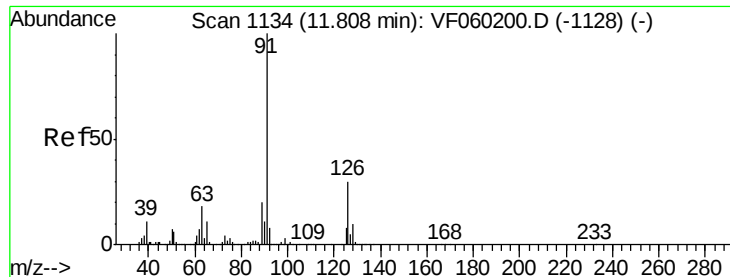
Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	91	Resp:	126198
Ion Ratio	Lower	Upper	
91	100		
120	21.2	9.8	29.4





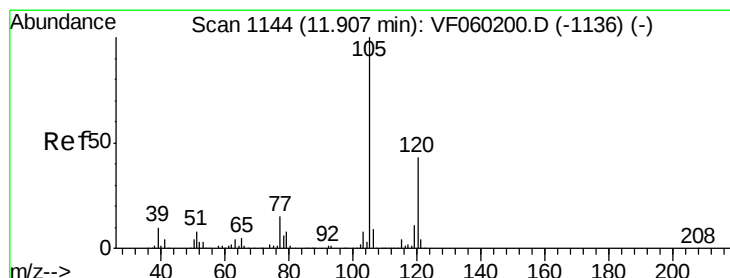
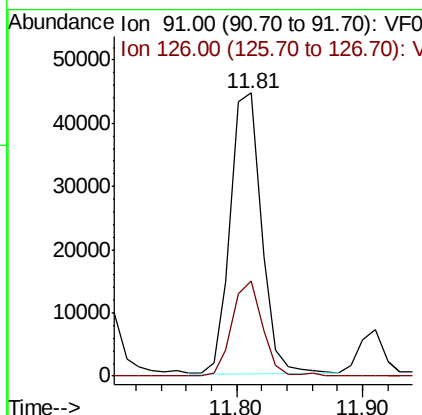
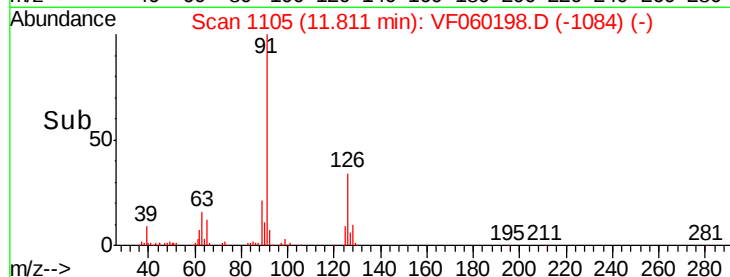
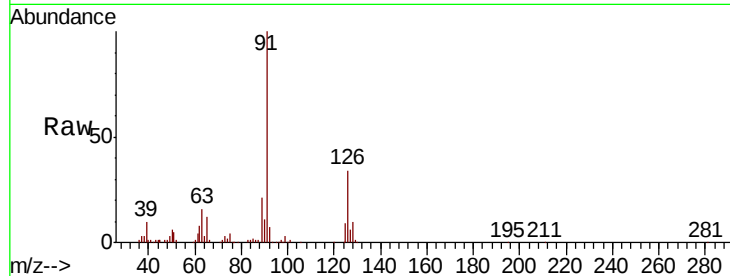
#79
 2-Chlorotoluene
 Concen: 10.63 ug/l
 RT: 11.81 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.2	45.5

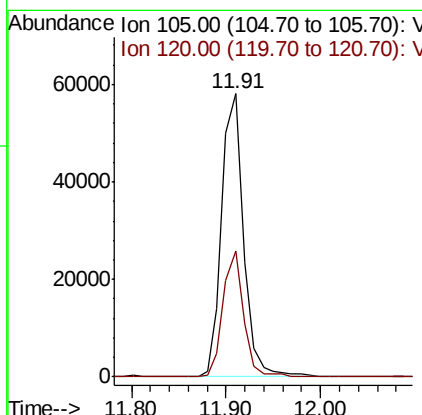
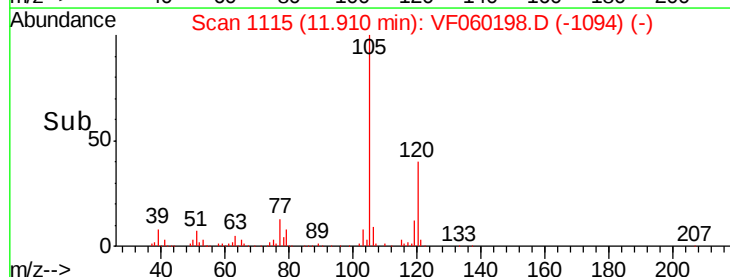
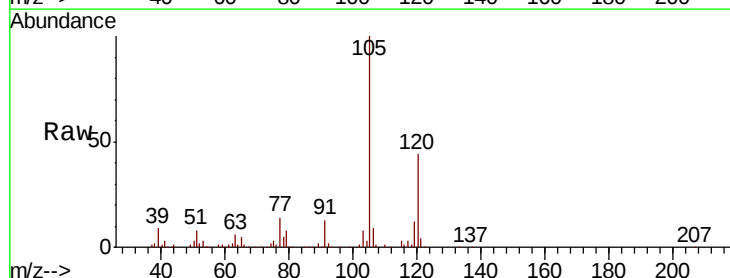
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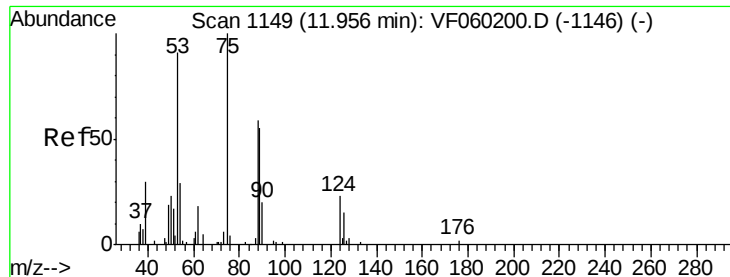
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.74 ug/l
 RT: 11.91 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.6	64.8





#81

trans-1,4-Dichloro-2-butene

Concen: 6.34 ug/l m

RT: 11.95 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

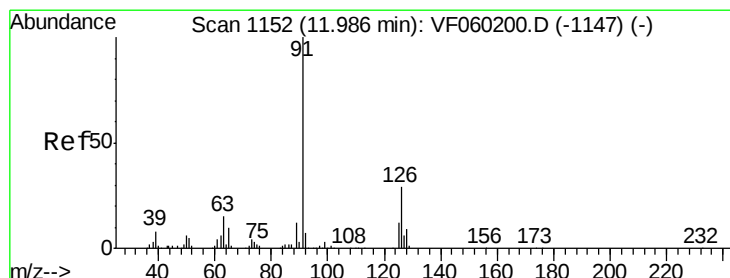
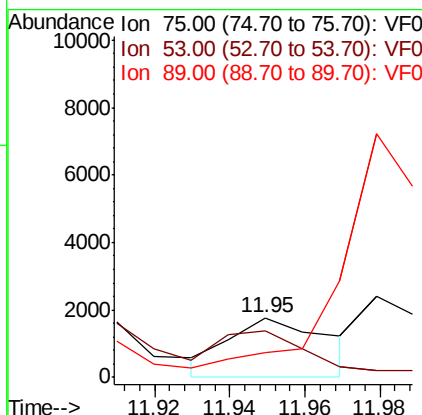
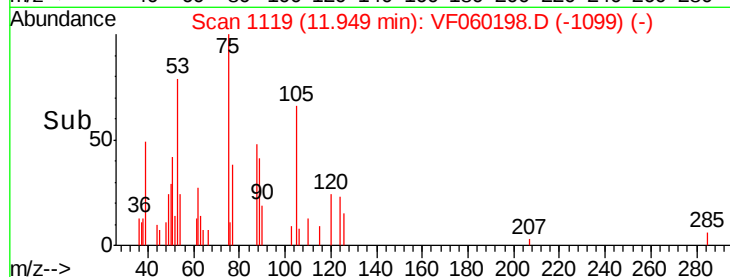
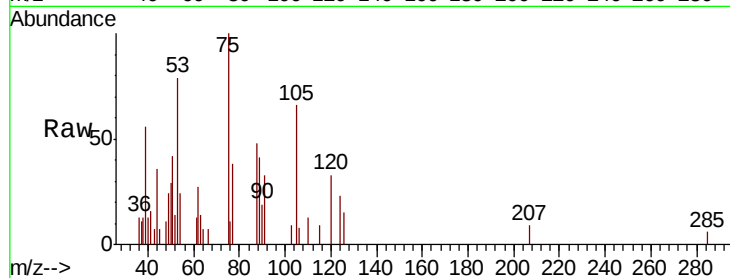
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	3216
Ion	Ratio	Lower	Upper
75	100		
53	78.7	76.5	114.7
89	41.4	46.5	69.7#

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#82

4-Chlorotoluene

Concen: 10.96 ug/l

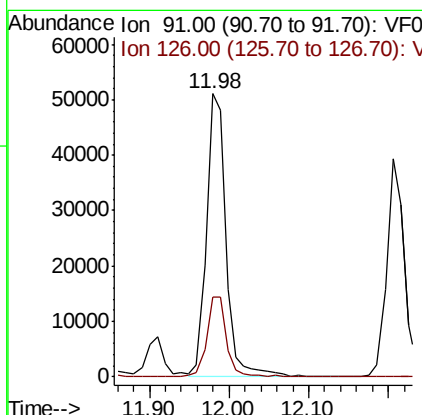
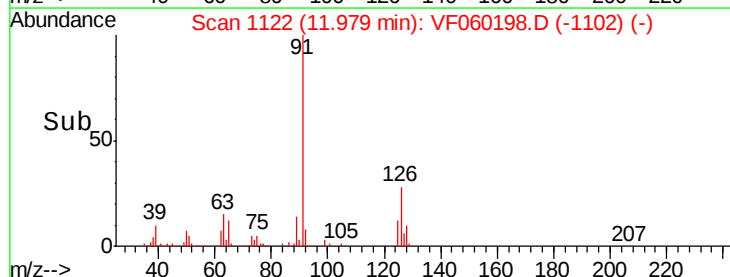
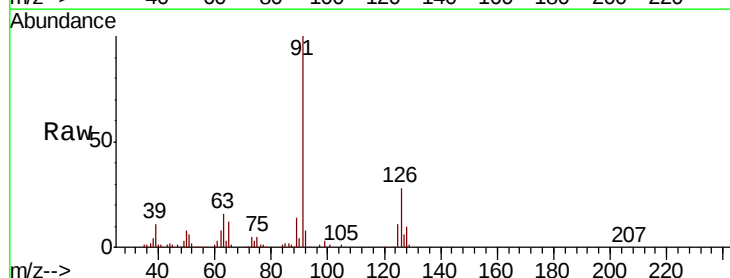
RT: 11.98 min Scan# 1122

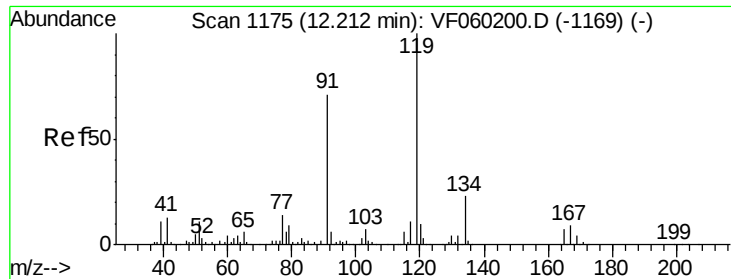
Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	91	Resp:	86834
Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.4	43.4





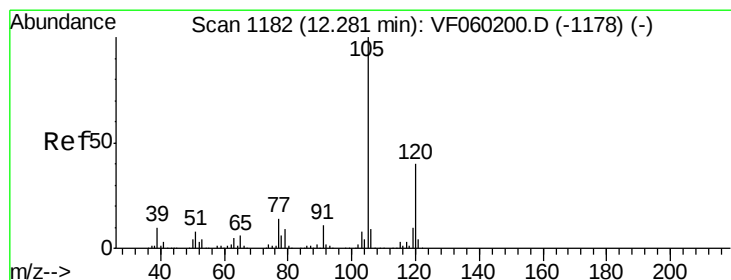
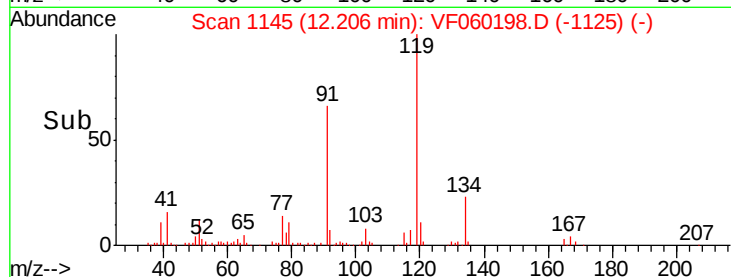
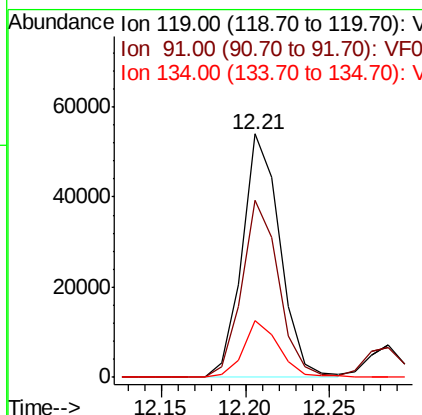
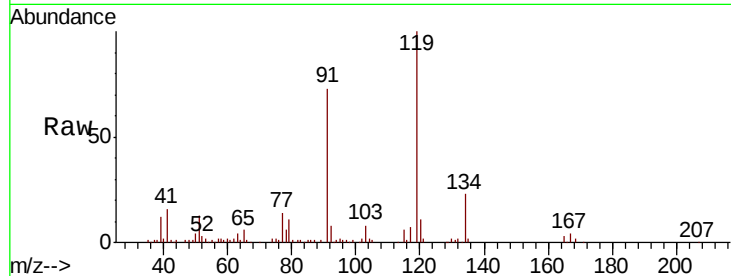
#83
tert-Butylbenzene
Concen: 10.67 ug/l
RT: 12.21 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	35.8	107.4
134	23.1	11.6	34.7

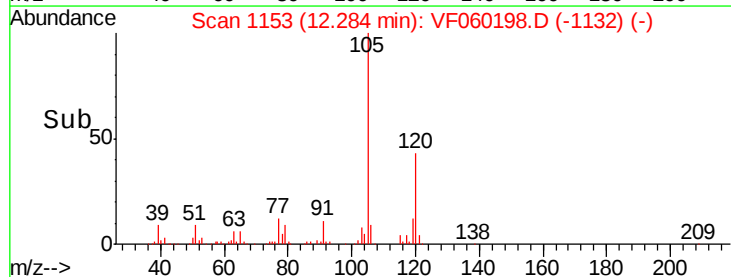
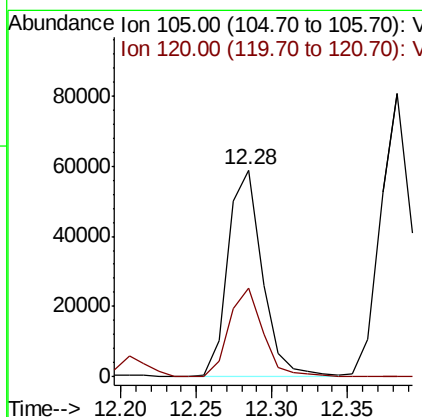
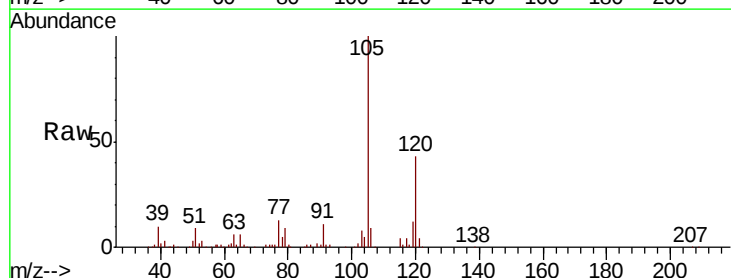
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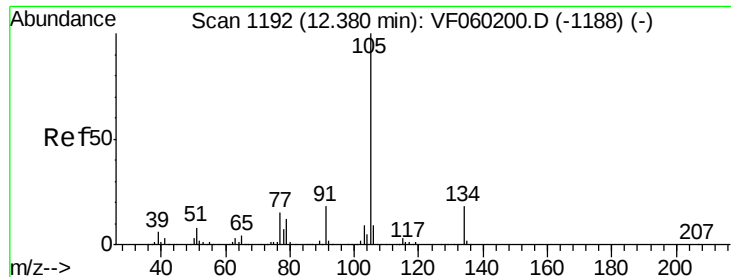
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#84
1,2,4-Trimethylbenzene
Concen: 10.52 ug/l
RT: 12.28 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VF060198.D
Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	20.2	60.5





#85

sec-Butylbenzene

Concen: 10.85 ug/l

RT: 12.38 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 117713

Ion Ratio Lower Upper

105 100

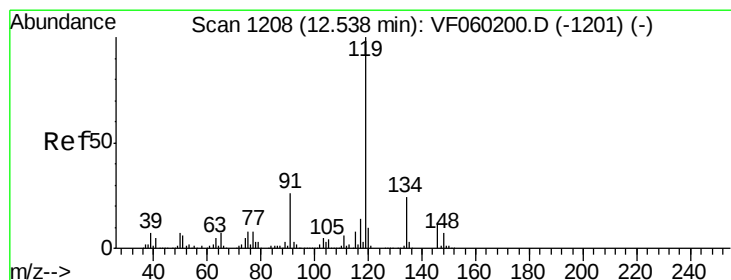
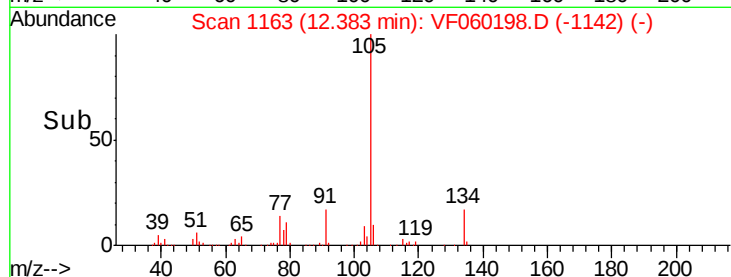
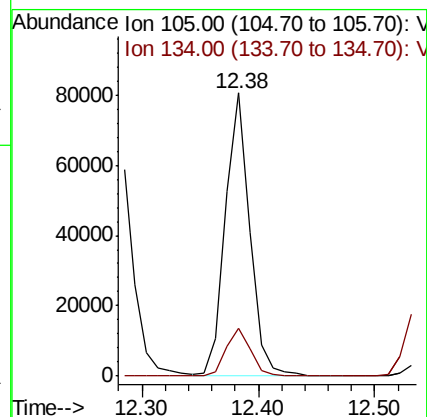
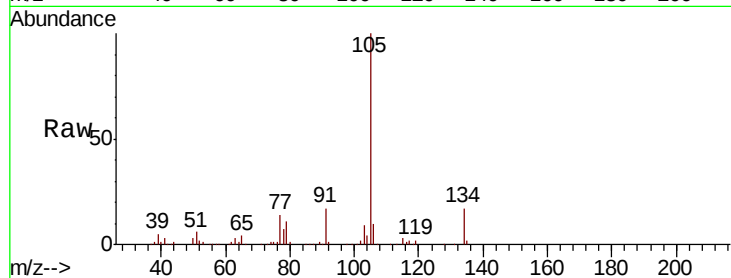
134 16.8 8.8 26.5

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#86

p-Isopropyltoluene

Concen: 10.65 ug/l

RT: 12.53 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

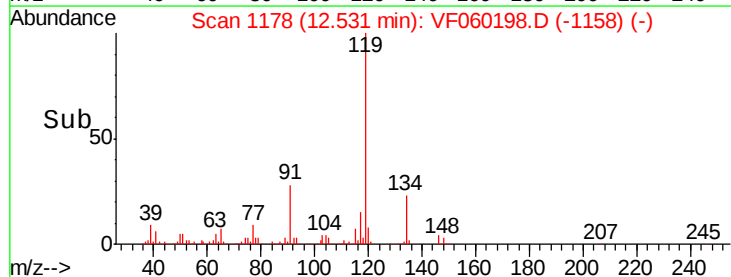
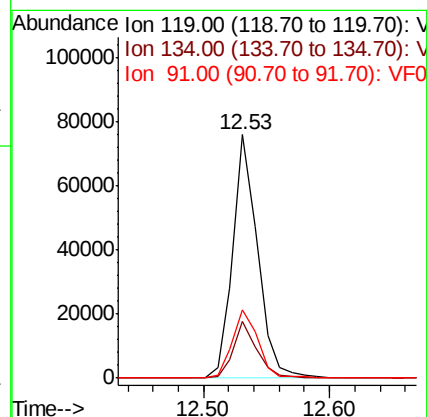
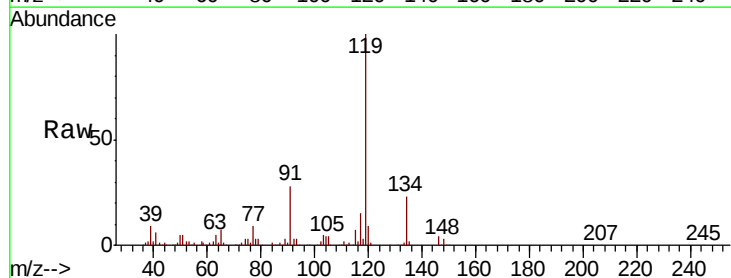
Tgt Ion:119 Resp: 103332

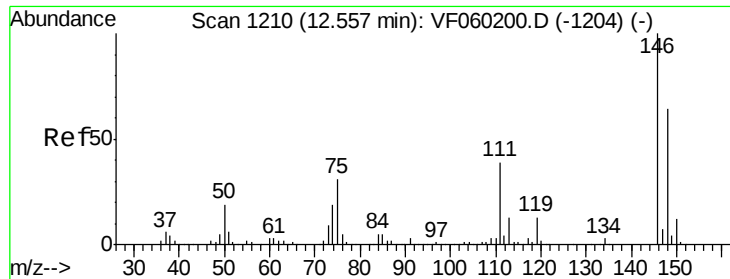
Ion Ratio Lower Upper

119 100

134 23.3 12.0 36.0

91 28.2 12.9 38.7





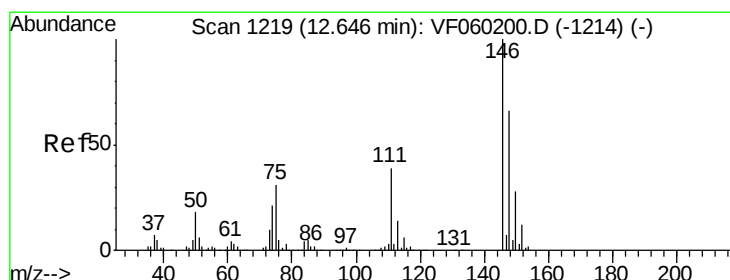
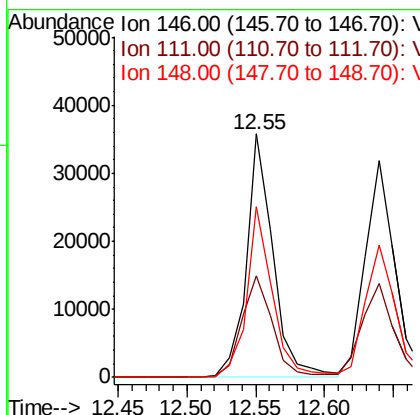
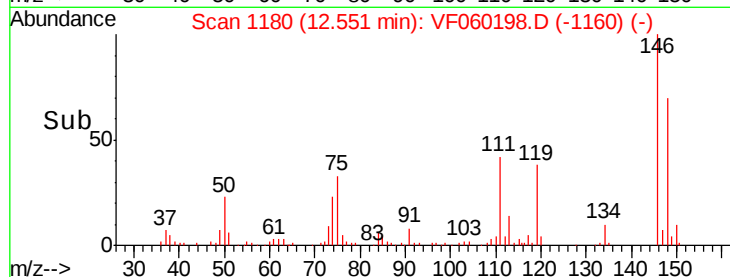
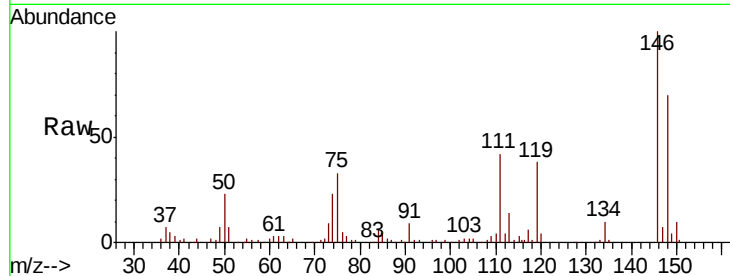
#87
 1,3-Dichlorobenzene
 Concen: 10.35 ug/l
 RT: 12.55 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.7	59.1
148	69.8	32.0	96.0

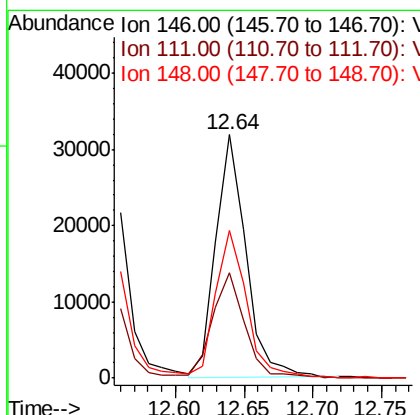
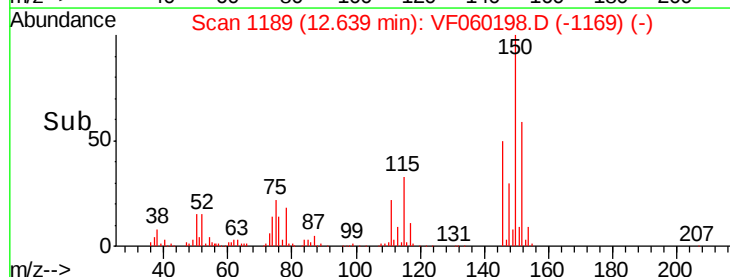
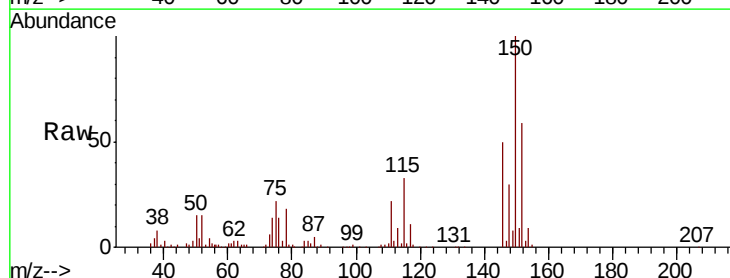
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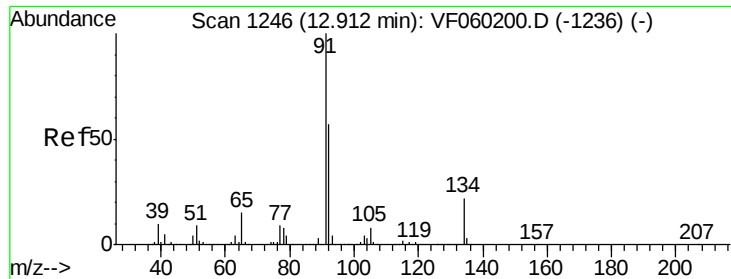
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#88
 1,4-Dichlorobenzene
 Concen: 10.40 ug/l
 RT: 12.64 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	19.7	59.1
148	60.8	33.1	99.5





#89

n-Butylbenzene

Concen: 10.04 ug/l

RT: 12.92 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

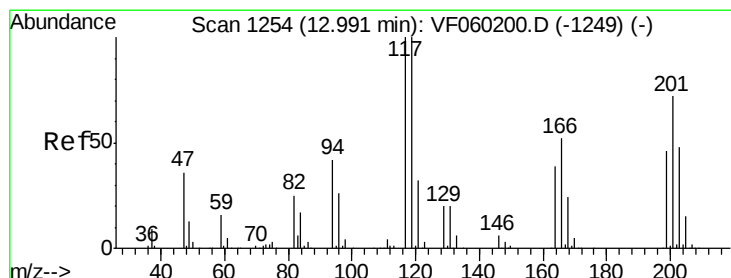
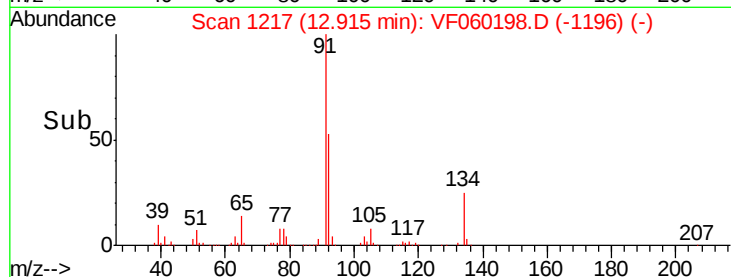
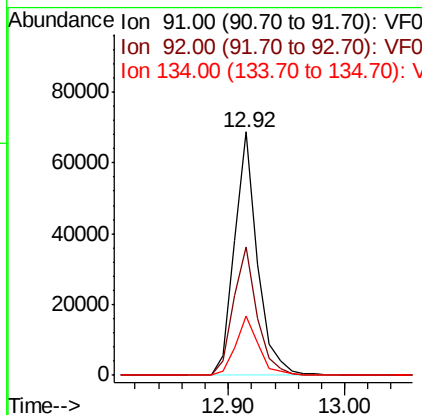
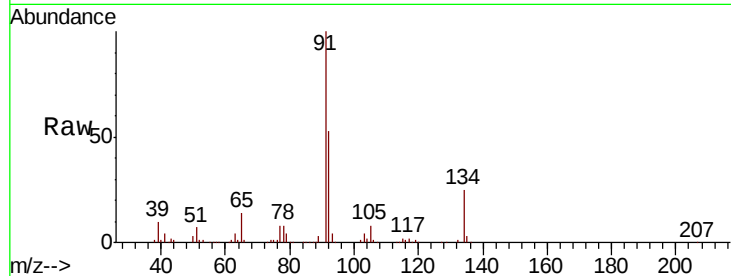
ClientSampleId :

VSTDIC010

Tot Ion:	91	Resp:	93944
Ion	Ratio	Lower	Upper
91	100		
92	52.8	28.4	85.3
134	24.6	11.1	33.3

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#90

Hexachloroethane

Concen: 9.05 ug/l

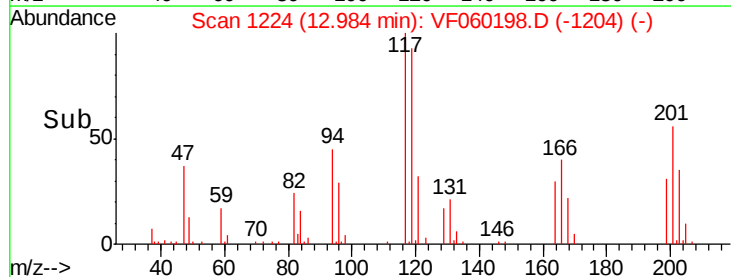
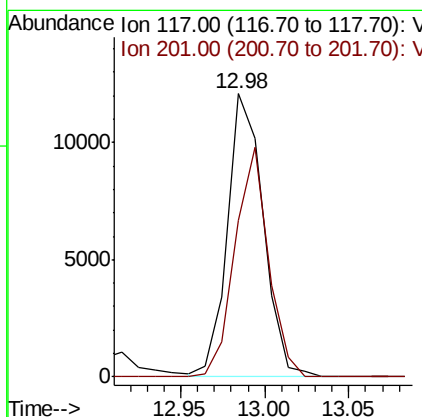
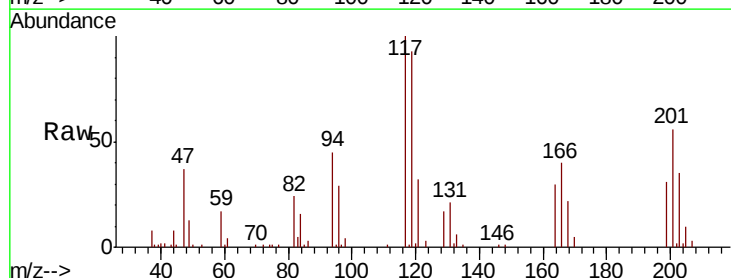
RT: 12.98 min Scan# 1224

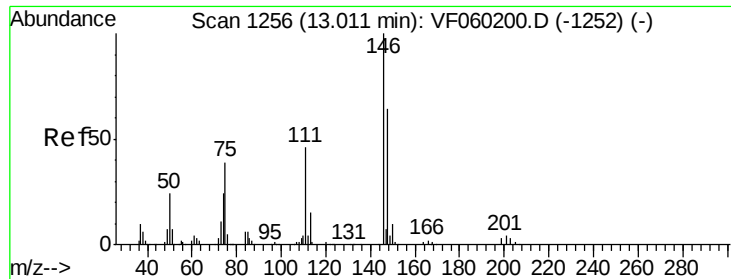
Delta R.T. -0.01 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	117	Resp:	17869
Ion	Ratio	Lower	Upper
117	100		
201	55.5	35.7	107.1





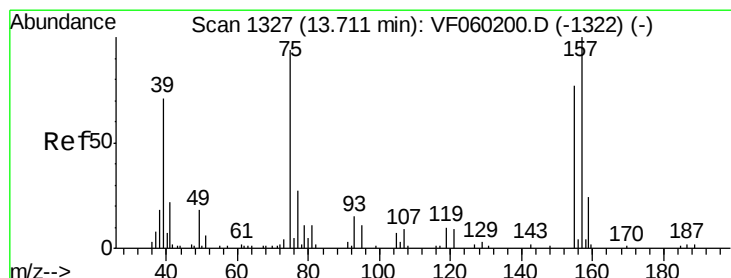
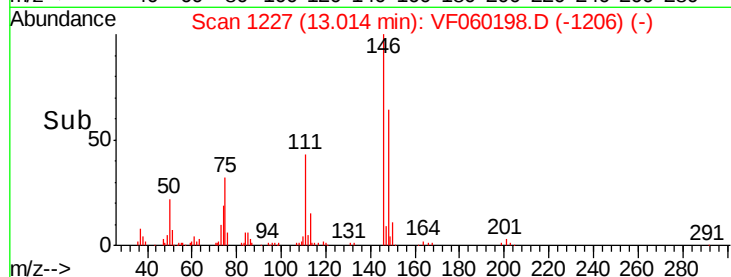
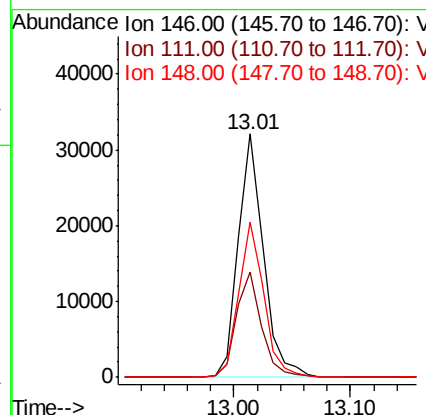
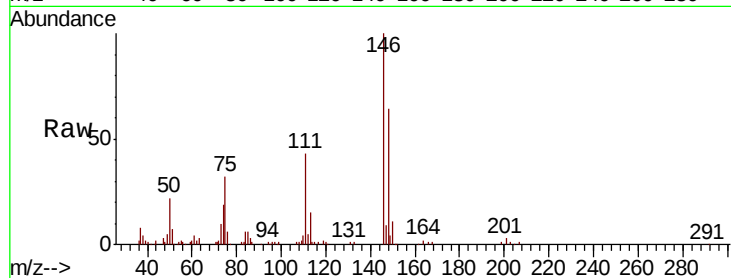
#91
 1,2-Dichlorobenzene
 Concen: 10.74 ug/l
 RT: 13.01 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	23.0	69.0
148	63.9	32.2	96.6

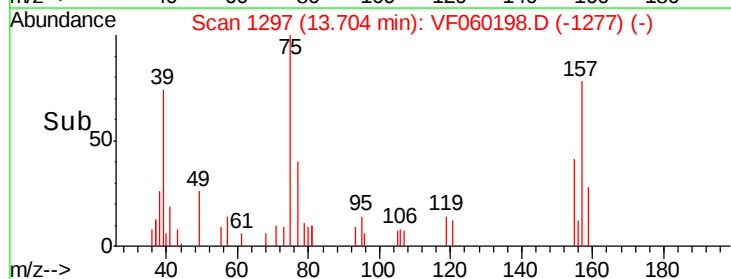
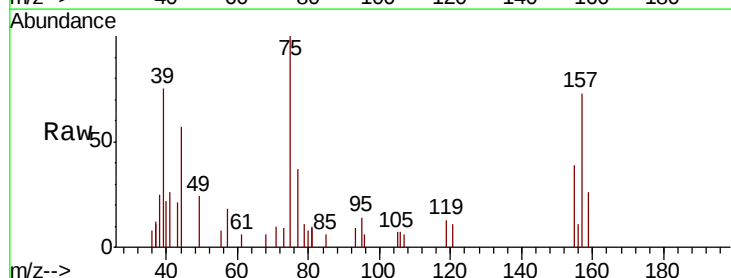
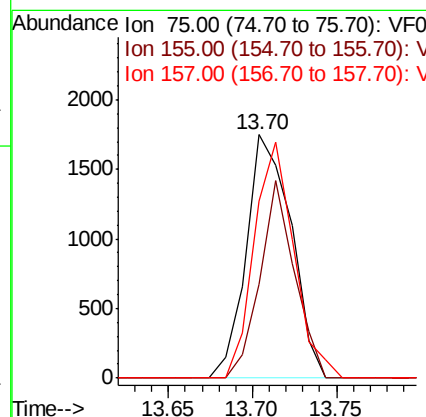
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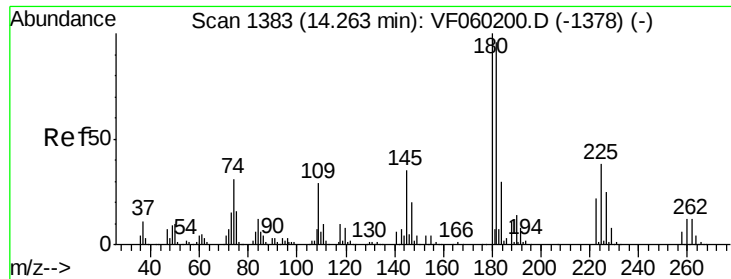
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.51 ug/l
 RT: 13.70 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	38.7	40.8	122.5#
157	72.6	53.3	159.9





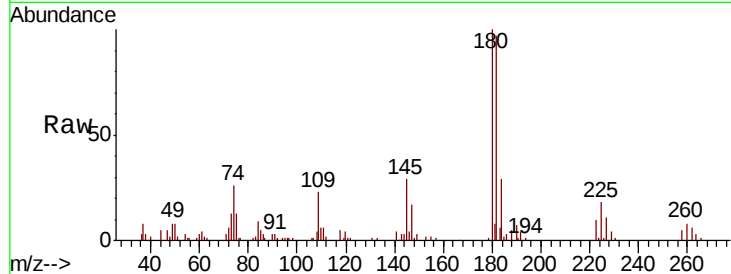
#93
 1,2,4-Trichlorobenzene
 Concen: 9.28 ug/l
 RT: 14.27 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.2	144.6
145	29.4	17.4	52.2

Manual Integrations
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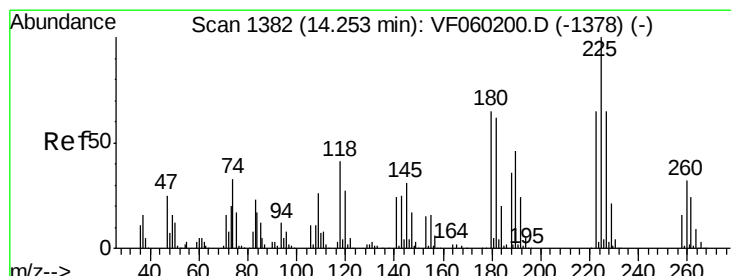
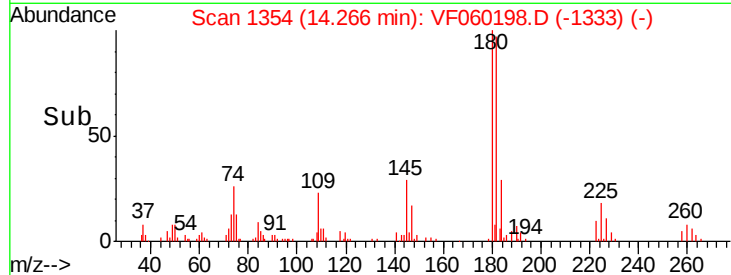
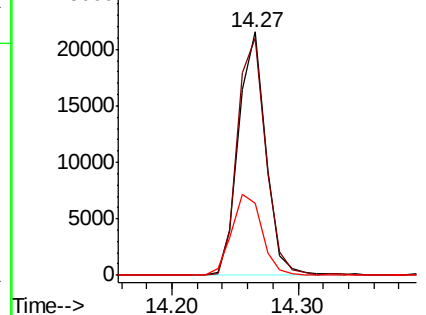


Abundance

Ion 180.00 (179.70 to 180.70): V

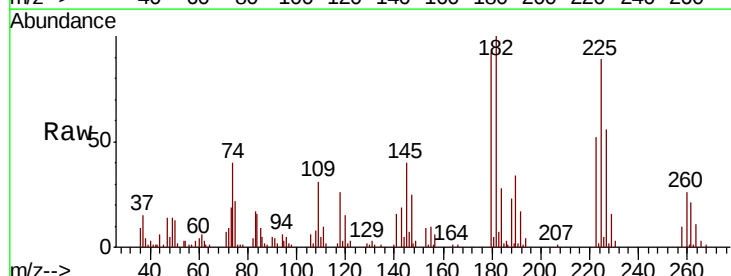
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 9.55 ug/l
 RT: 14.26 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VF060198.D
 Acq: 6 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.3	32.3	96.8
227	62.7	32.4	97.0

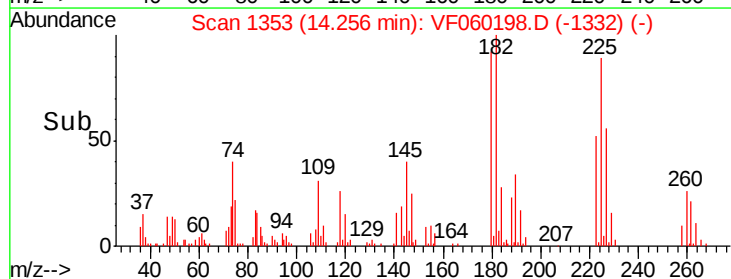
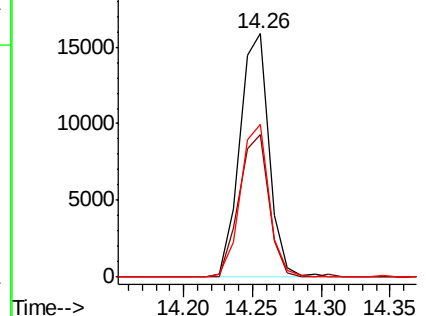


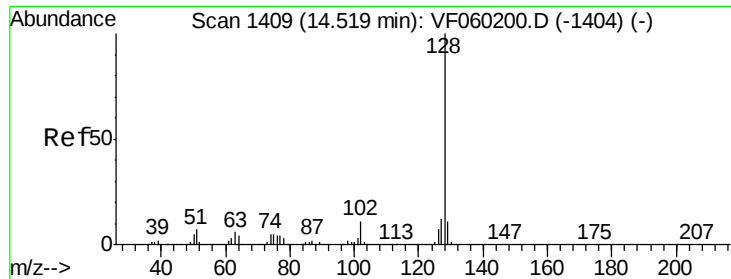
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 6.85 ug/l

RT: 14.52 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Instrument :

MSVOA_F

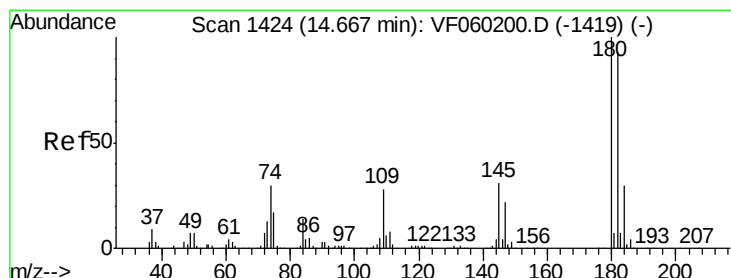
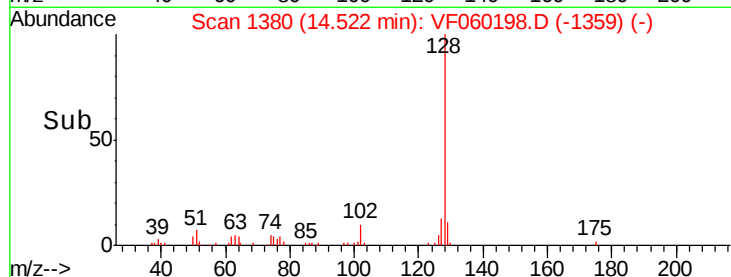
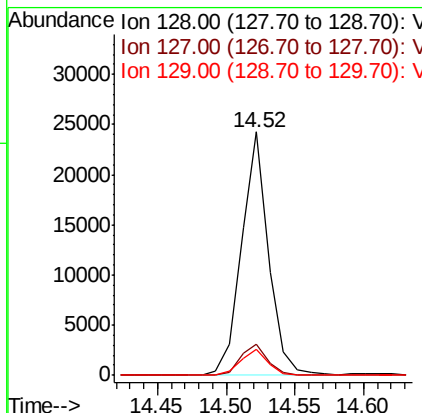
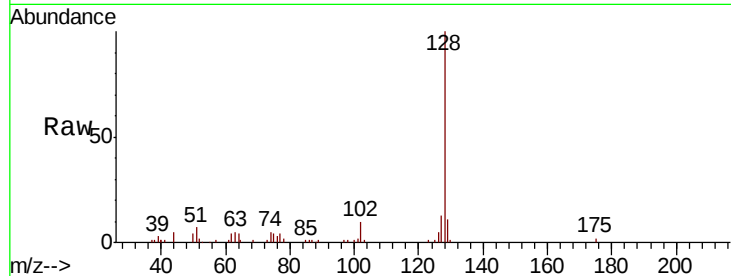
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	33171
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	10.7	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 8.82 ug/l

RT: 14.67 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VF060198.D

Acq: 6 Sep 2018 12:15

Tgt Ion:	180	Resp:	28595
Ion Ratio	Lower	Upper	
180	100		
182	99.7	46.6	139.7
145	35.6	15.7	47.0

