

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060908.D
 Acq On : 3 Dec 2018 23:10
 Operator : VA/AP
 Sample : J6139-03MSD
 Misc : 6.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Manual Integrations
 APPROVED

apatel
 12/4/2018 2:52:36 PM

Quant Time: Dec 04 04:22:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	145411	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	267868	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	251193	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	127585	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	107325	62.65	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	125.30%	
35) Dibromofluoromethane	4.13	113	104957	49.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.78%	
50) Toluene-d8	7.57	98	302938	48.39	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.43	95	145659	51.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	110635	50.886	ug/l	99
3) Chloromethane	1.11	50	69757	49.306	ug/l	93
4) Vinyl Chloride	1.14	62	116198	88.050	ug/l	96
5) Bromomethane	1.34	94	48164	51.758	ug/l	98
6) Chloroethane	1.39	64	28787	50.463	ug/l	100
7) Trichlorofluoromethane	1.50	101	151602	53.541	ug/l	97
8) Diethyl Ether	1.63	74	24448	60.045	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	80881	56.503	ug/l	92
10) Methyl Iodide	1.91	142	112715	51.804	ug/l	99
11) Tert butyl alcohol	2.59	59	28393	404.345	ug/l	99
12) 1,1-Dichloroethene	1.80	96	57328	49.791	ug/l	98
13) Acrolein	2.01	56	8109m	121.883	ug/l	
14) Allyl chloride	2.11	41	51464	35.861	ug/l	91
15) Acrylonitrile	2.96	53	55031	349.566	ug/l	90
16) Acetone	2.25	43	144838	458.514	ug/l	99
17) Carbon Disulfide	1.85	76	157186	50.916	ug/l	96
18) Methyl Acetate	2.35	43	48586	93.103	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	162915	62.823	ug/l	99
20) Methylene Chloride	2.25	84	66341m	57.247	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	97870m	88.170	ug/l	
22) Diisopropyl ether	2.81	45	216293	55.371	ug/l	98
23) Vinyl Acetate	3.20	43	357420	200.168	ug/l	98
24) 1,1-Dichloroethane	2.89	63	120990	52.059	ug/l	98
25) 2-Butanone	4.35	43	182630	334.260	ug/l	97
26) 2,2-Dichloropropane	3.62	77	67636	44.889	ug/l	100
27) cis-1,2-Dichloroethene	3.49	96	416774	230.629	ug/l	98
28) Bromochloromethane	3.73	49	65339	58.580	ug/l	98
29) Tetrahydrofuran	4.09	42	81763	353.038	ug/l	96
30) Chloroform	3.87	83	198771	55.571	ug/l	99
31) Cyclohexane	3.72	56	114340m	47.405	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	113181	45.625	ug/l	94
36) 1,1-Dichloropropene	4.30	75	134863	45.392	ug/l	96
37) Ethyl Acetate	4.13	43	74456	61.667	ug/l #	88
38) Carbon Tetrachloride	4.01	117	112684	42.940	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	134908	43.328	ug/l	93
40) Benzene	4.65	78	315172	48.017	ug/l	98
41) Methacrylonitrile	4.76	41	38569	62.682	ug/l #	89
42) 1,2-Dichloroethane	4.96	62	134555	56.151	ug/l	96
43) Isopropyl Acetate	6.98	43	94742	64.381	ug/l	100
44) Trichloroethene	5.52	130	156466	72.906	ug/l	97
45) 1,2-Dichloropropane	6.26	63	87626	51.403	ug/l	95
46) Dibromomethane	6.10	93	70569	61.024	ug/l	91
47) Bromodichloromethane	6.41	83	160947	52.401	ug/l	100
48) Methyl methacrylate	6.73	41	64648	59.153	ug/l	93
49) 1,4-Dioxane	6.72	88	9479	1185.096	ug/l #	85
51) 4-Methyl-2-Pentanone	8.28	43	353425	317.430	ug/l	98
52) Toluene	7.64	92	214159	46.450	ug/l	94
53) t-1,3-Dichloropropene	8.30	75	127468	51.021	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	161749	52.297	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	72183	53.730	ug/l	98
56) Ethyl methacrylate	8.64	69	91365	61.221	ug/l	95
57) 1,3-Dichloropropane	8.87	76	127730	54.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	57885	379.202	ug/l	100
59) 2-Hexanone	9.52	43	268490	343.727	ug/l	98
60) Dibromochloromethane	8.74	129	106610	53.260	ug/l	97
61) 1,2-Dibromoethane	9.01	107	79717	54.928	ug/l	99
64) Tetrachloroethene	8.17	164	118704	61.870	ug/l	99
65) Chlorobenzene	9.82	112	234504	47.988	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	101115	48.132	ug/l	97
67) Ethyl Benzene	9.92	91	418281	45.978	ug/l	99
68) m/p-Xylenes	10.16	106	293000	89.547	ug/l	98
69) o-Xylene	10.73	106	165715	45.929	ug/l	83
70) Styrene	10.81	104	241426	48.270	ug/l	97
71) Bromoform	10.79	173	59866	58.997	ug/l #	92
73) Isopropylbenzene	11.14	105	508628	50.447	ug/l	97
74) N-amyl acetate	11.39	43	149285	64.121	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	100516	60.575	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	78066	64.725	ug/l	96
77) Bromobenzene	11.51	156	111351	50.375	ug/l	81
78) n-propylbenzene	11.61	91	563990	47.766	ug/l	99
79) 2-Chlorotoluene	11.73	91	330336	48.793	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	386590	47.231	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	30084m	50.907	ug/l	
82) 4-Chlorotoluene	11.91	91	341139	47.881	ug/l	98
83) tert-Butylbenzene	12.15	119	381737	45.785	ug/l	95
84) 1,2,4-Trimethylbenzene	12.22	105	397882	48.707	ug/l	96
85) sec-Butylbenzene	12.32	105	529764	46.415	ug/l	98
86) p-Isopropyltoluene	12.47	119	437472	45.717	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	198820	47.286	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	197801	48.273	ug/l	98
89) n-Butylbenzene	12.86	91	452238	46.738	ug/l	98
90) Hexachloroethane	12.93	117	109811	47.655	ug/l	92
91) 1,2-Dichlorobenzene	12.96	146	206291	51.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	21986	68.531	ug/l	83

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	139867	50.273	ug/l	97
94) Hexachlorobutadiene	14.20	225	76821	41.421	ug/l	99
95) Naphthalene	14.47	128	302814	56.534	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	133233	51.575	ug/l	95

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

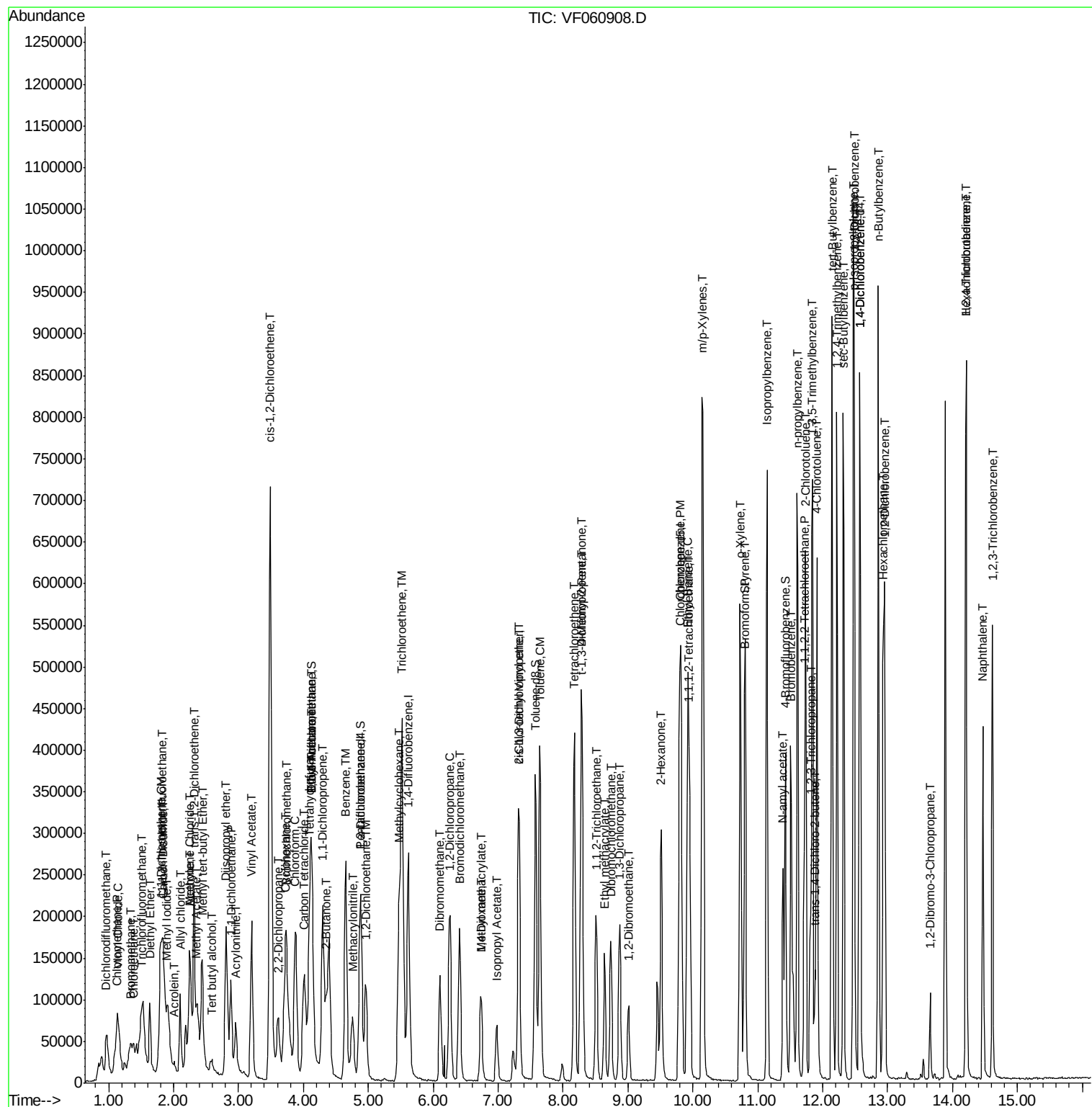
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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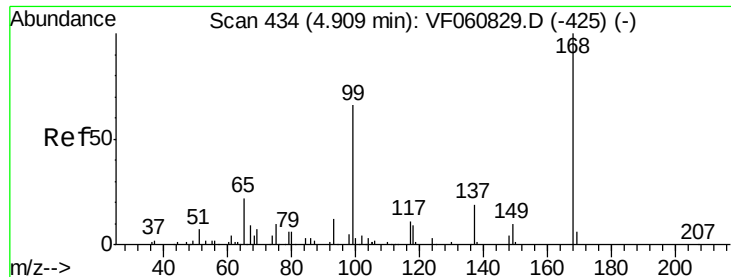
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion:168 Resp: 145411

Ion Ratio Lower Upper

168 100

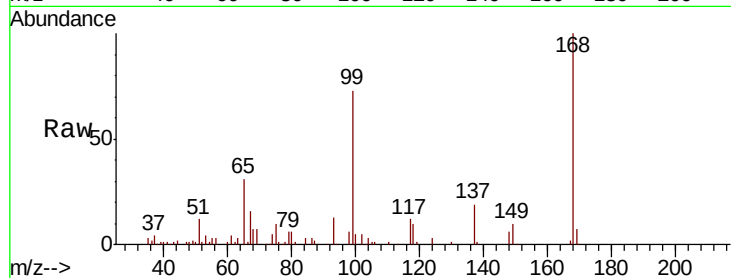
99 73.5 52.6 79.0

Manual Integrations

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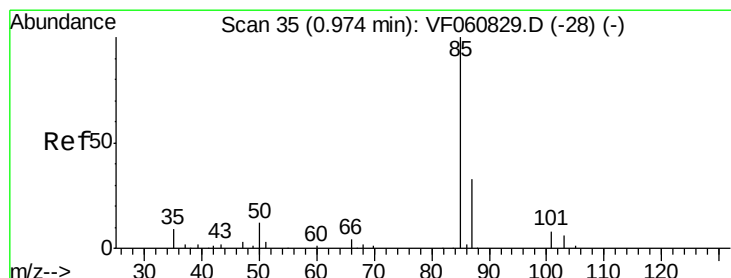
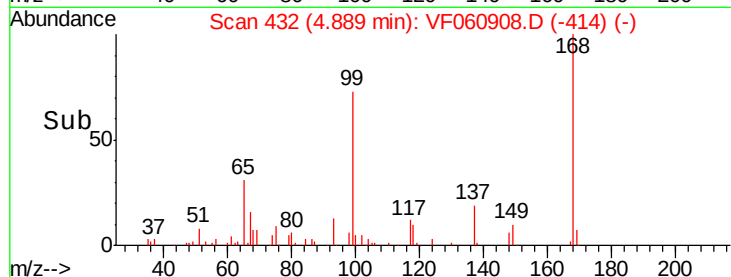
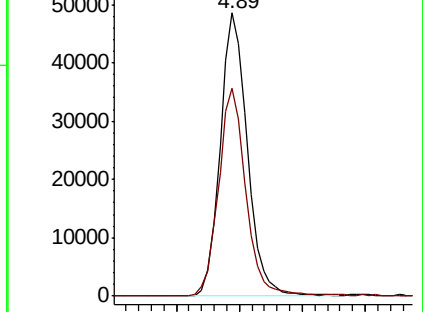
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 50.886 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060908.D

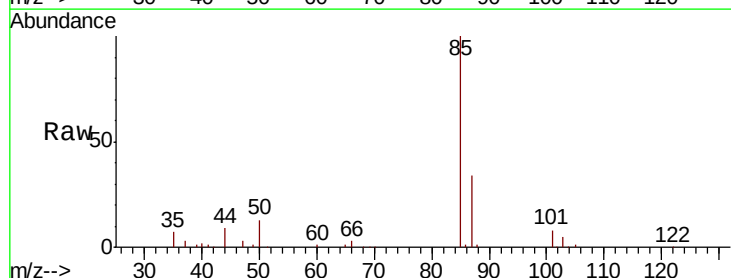
Acq: 3 Dec 2018 23:10

Tgt Ion: 85 Resp: 110635

Ion Ratio Lower Upper

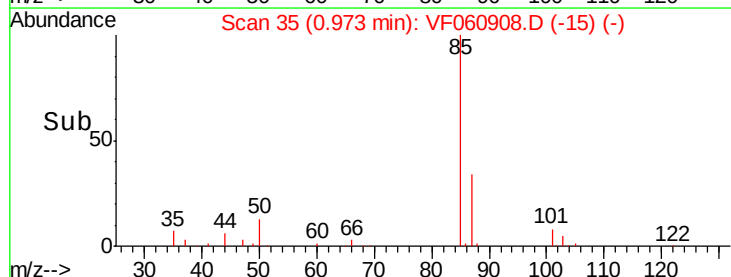
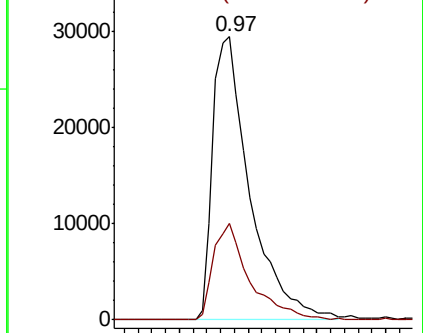
85 100

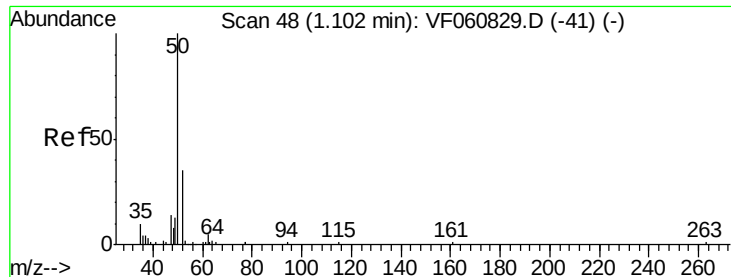
87 33.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 49.306 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 50 Resp: 69757

Ion Ratio Lower Upper

50 100

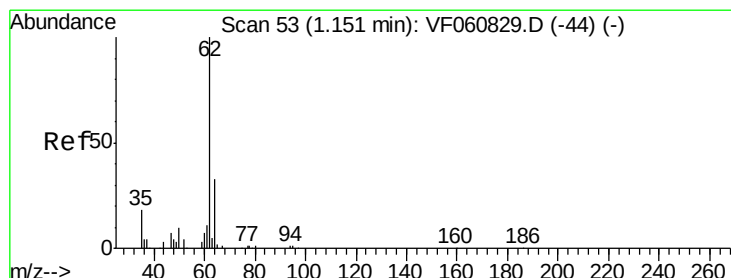
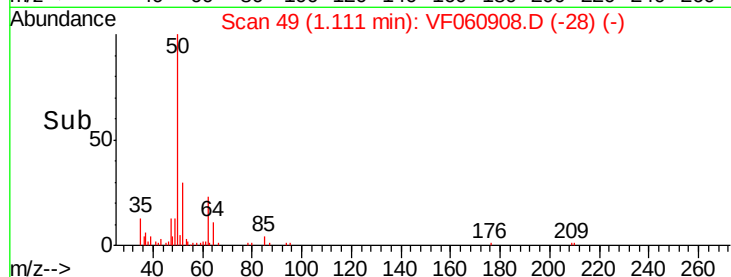
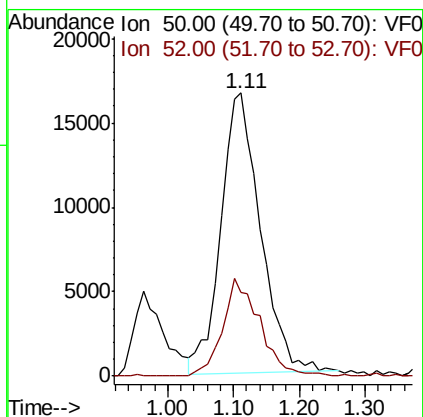
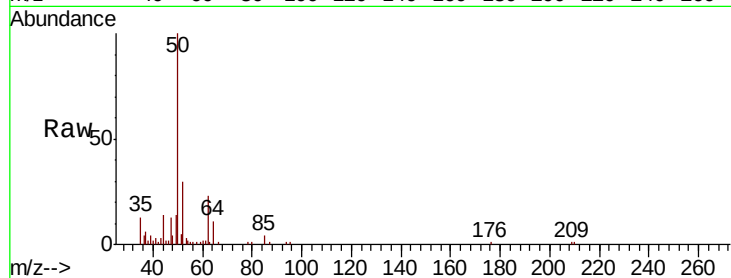
52 29.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 88.050 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060908.D

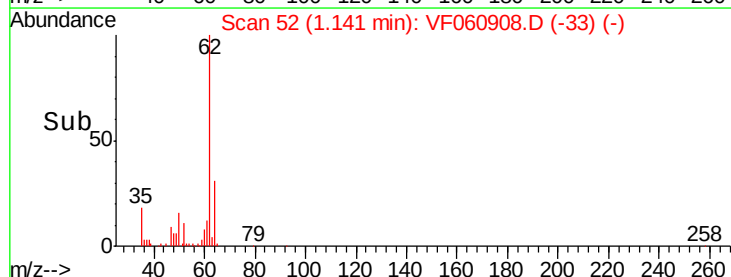
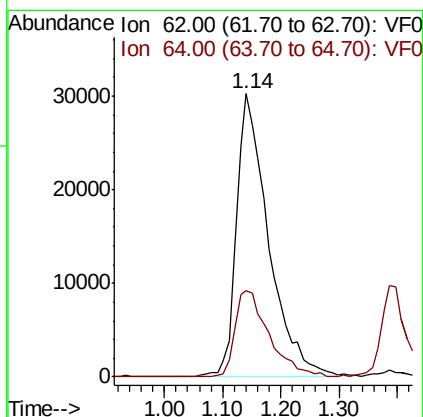
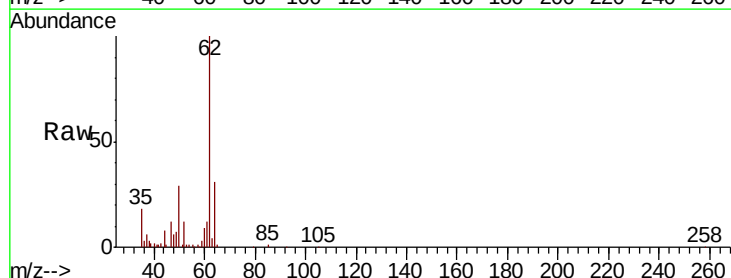
Acq: 3 Dec 2018 23:10

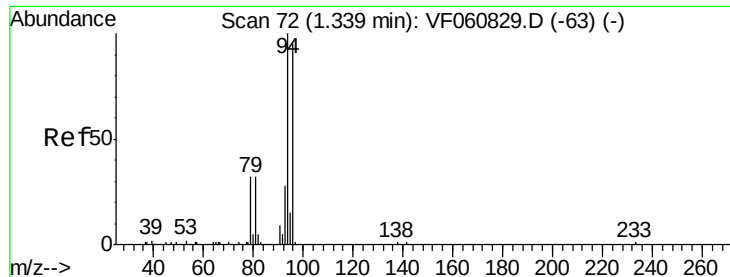
Tgt Ion: 62 Resp: 116198

Ion Ratio Lower Upper

62 100

64 30.5 26.4 39.6





#5

Bromomethane

Concen: 51.758 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

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ClientSampleId :

S49-0483MSD

Tot Ion: 94 Resp: 48164

Ion Ratio Lower Upper

94 100

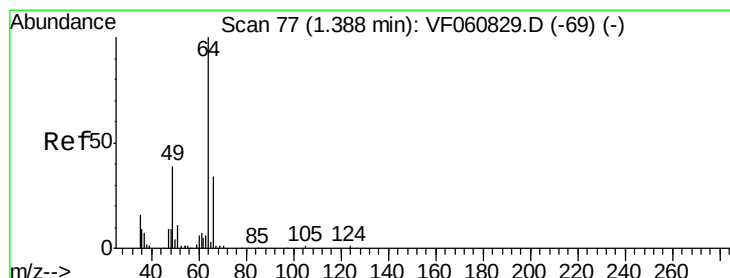
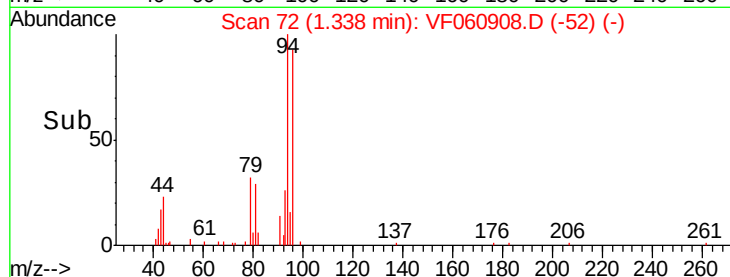
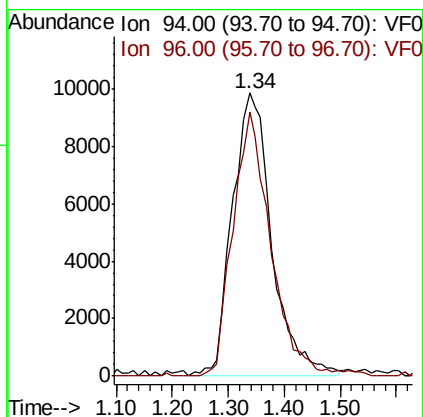
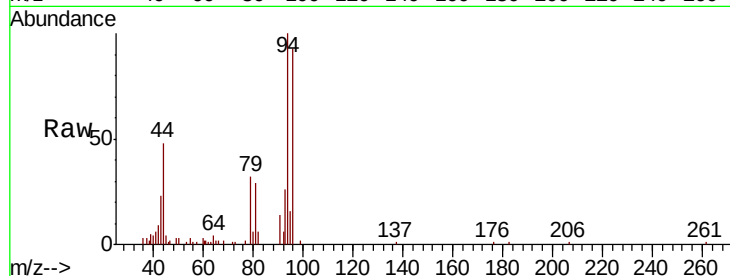
96 93.4 75.9 113.9

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#6

Chloroethane

Concen: 50.463 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060908.D

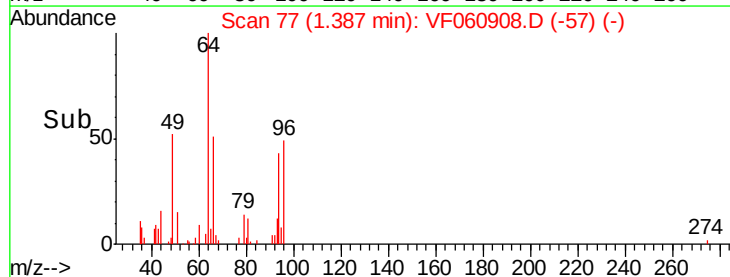
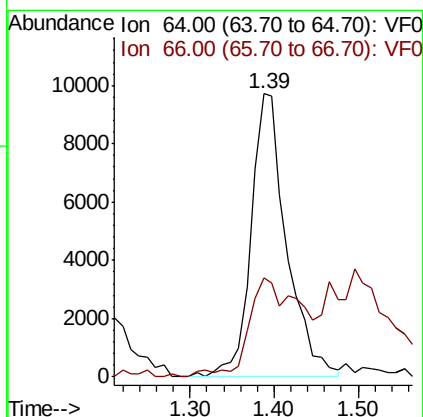
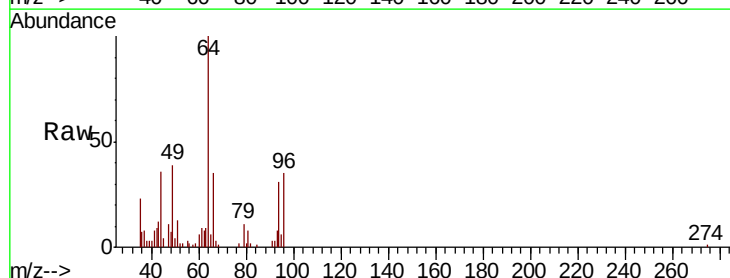
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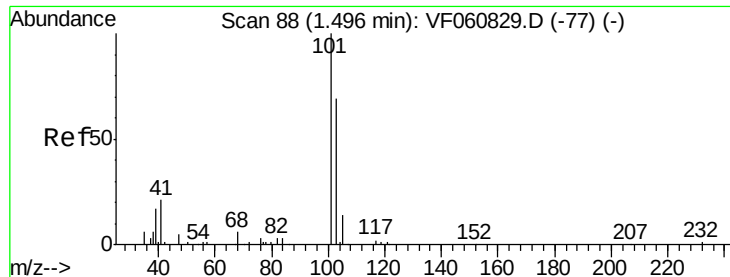
Tgt Ion: 64 Resp: 28787

Ion Ratio Lower Upper

64 100

66 35.1 28.1 42.1





#7

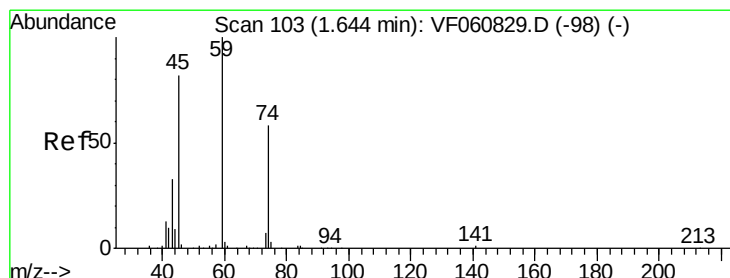
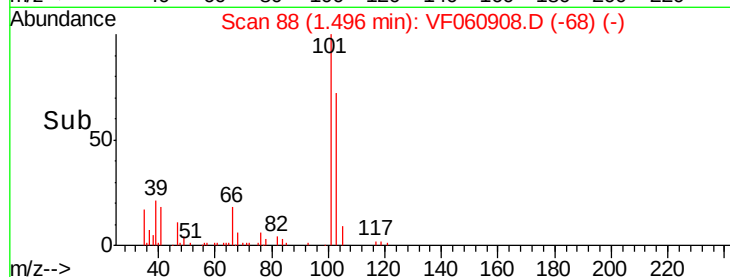
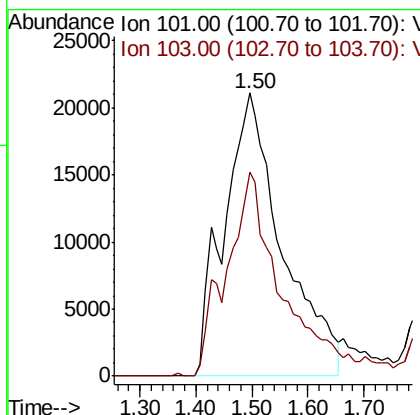
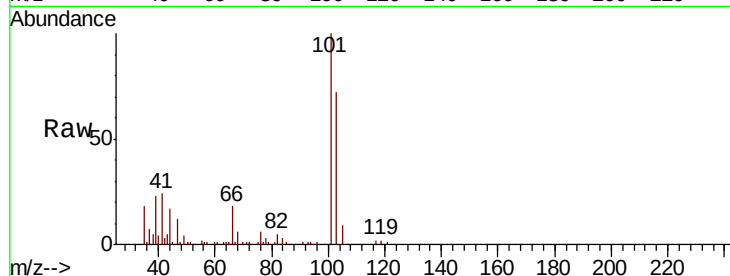
Trichlorofluoromethane
Concen: 53.541 ug/l
RT: 1.50 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.9	55.4	83.0

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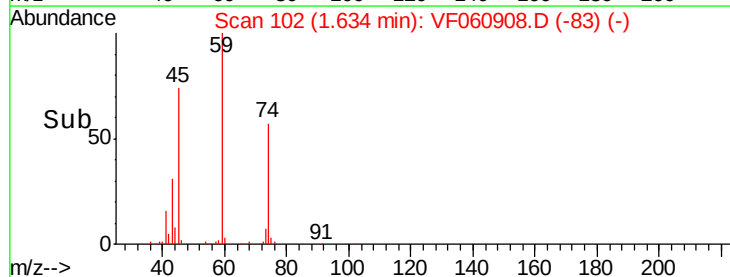
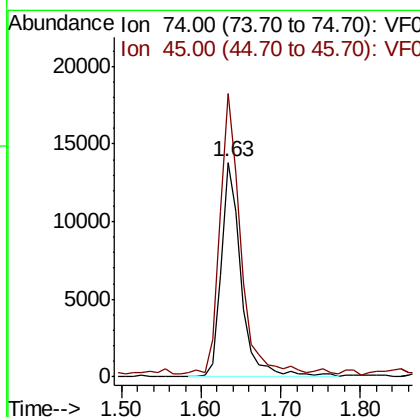
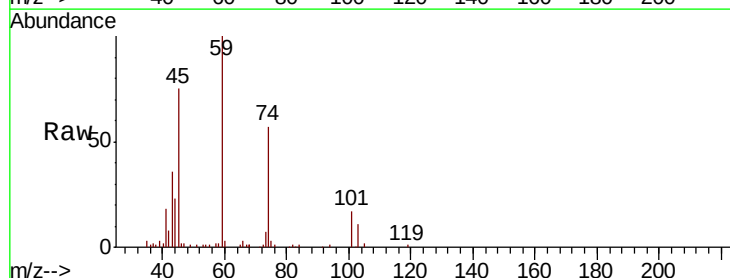
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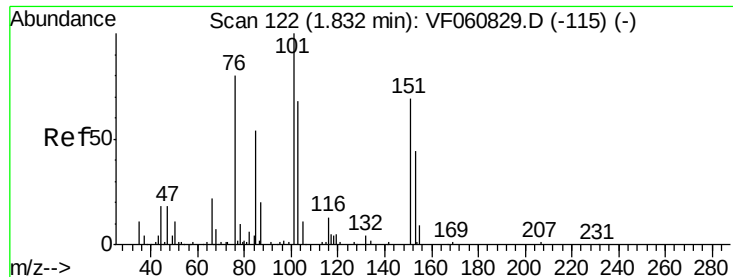


#8

Diethyl Ether
Concen: 60.045 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.1	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.503 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

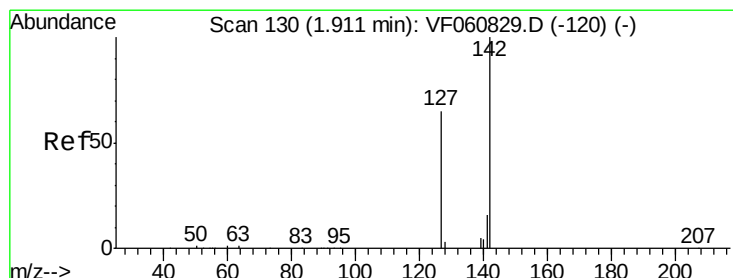
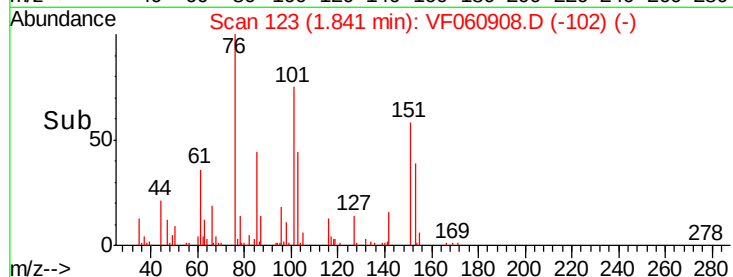
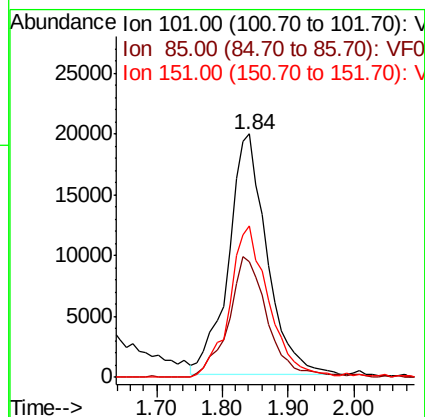
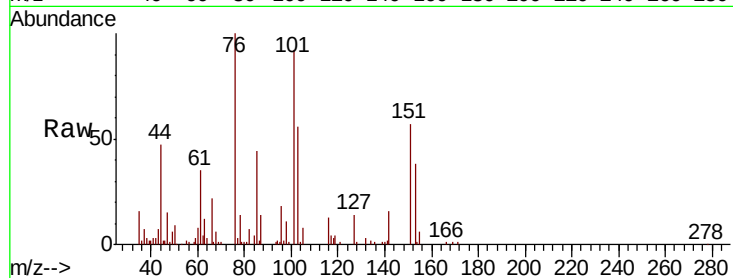
ClientSampleId :

S49-0483MSD

Tot Ion:	101	Resp:	80881
Ion Ratio	Lower	Upper	
101	100		
85	47.3	42.8	64.2
151	62.1	54.4	81.6

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#10

Methyl Iodide

Concen: 51.804 ug/l

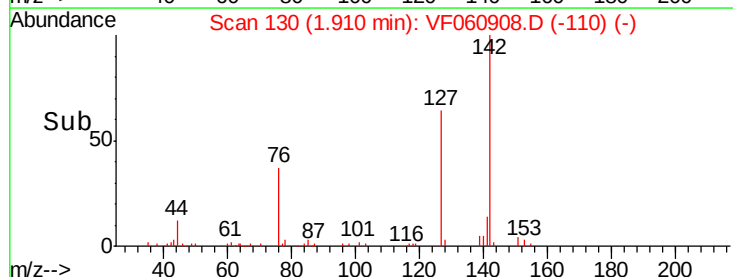
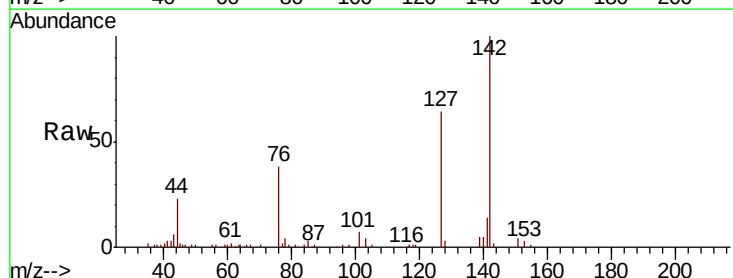
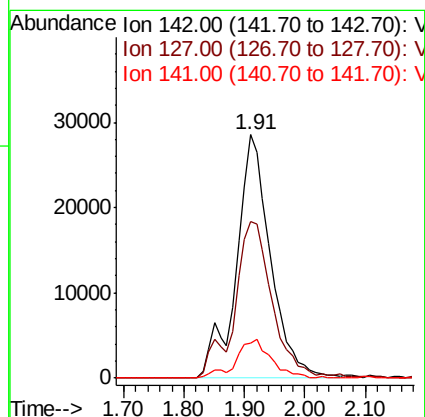
RT: 1.91 min Scan# 130

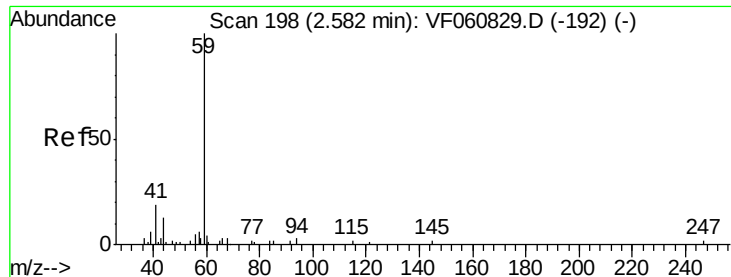
Delta R.T. -0.00 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	142	Resp:	112715
Ion Ratio	Lower	Upper	
142	100		
127	64.5	51.9	77.9
141	14.1	12.7	19.1





#11

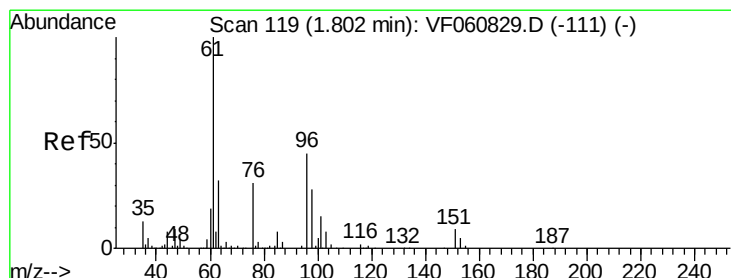
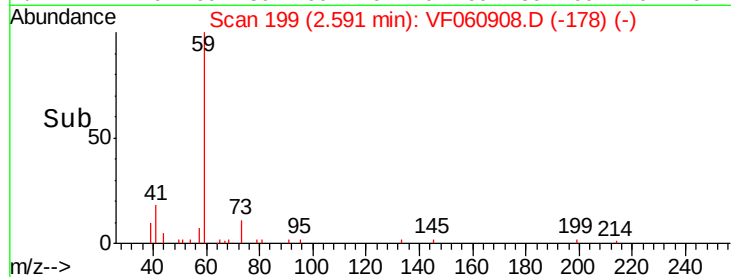
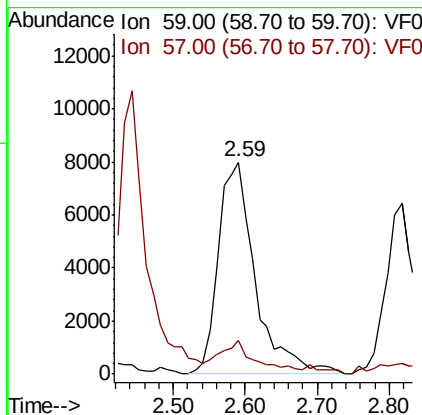
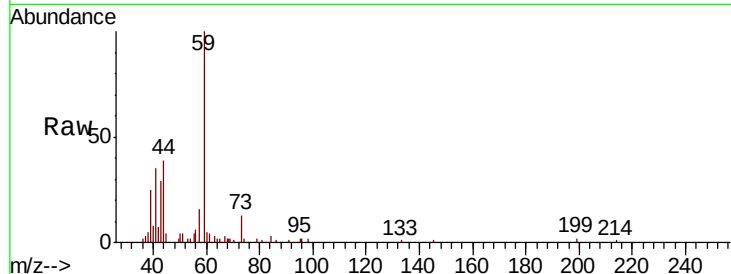
Tert butyl alcohol
Concen: 404.345 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion: 59 Resp: 28393
Ion Ratio Lower Upper
59 100
57 15.7 12.7 19.1

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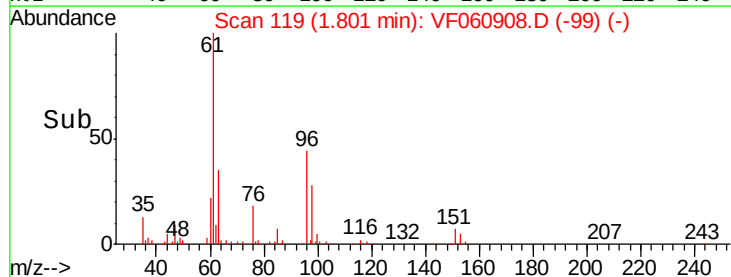
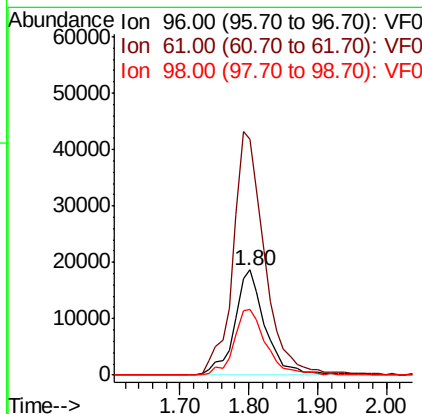
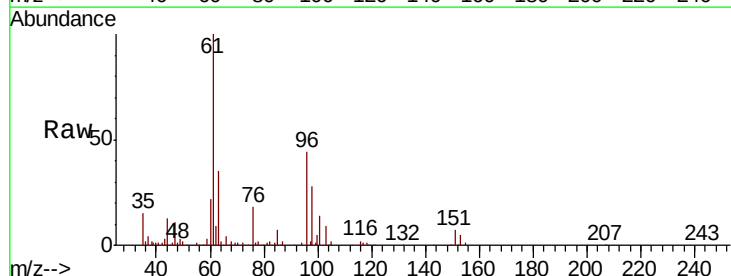
apatel
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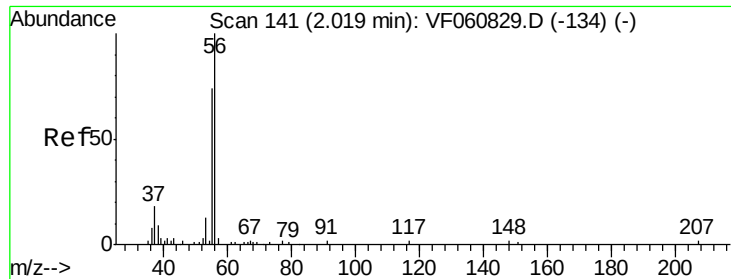


#12

1,1-Dichloroethene
Concen: 49.791 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion: 96 Resp: 57328
Ion Ratio Lower Upper
96 100
61 224.7 177.3 265.9
98 62.9 49.6 74.4





#13

Acrolein

Concen: 121.883 ug/l m

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 56 Resp: 8109

Ion Ratio Lower Upper

56 100

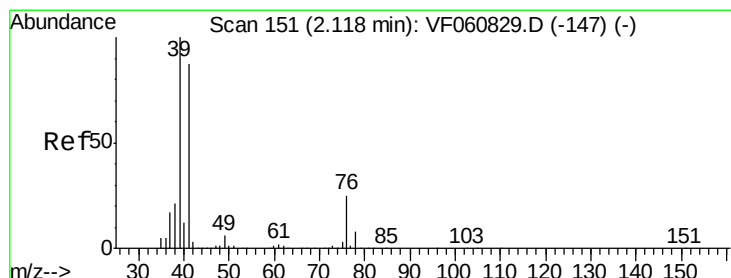
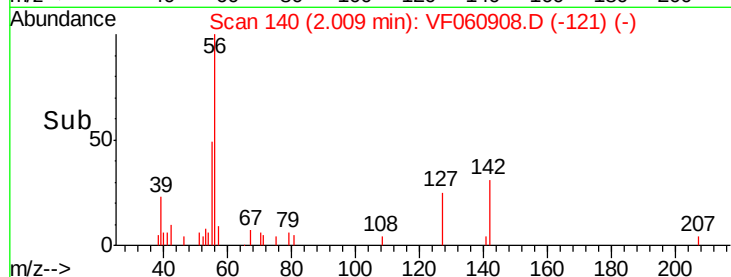
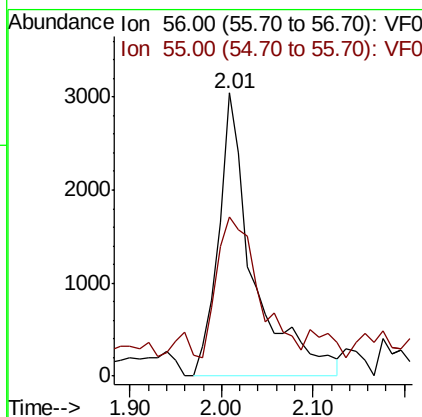
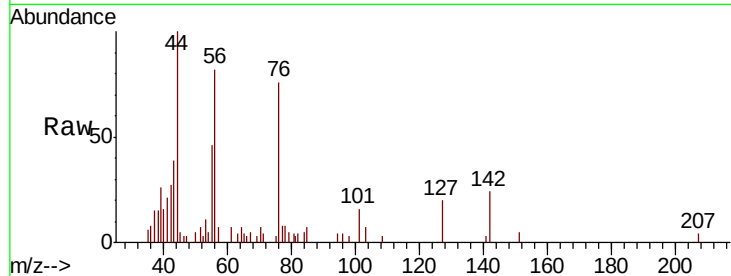
55 56.2 61.2 91.8#

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#14

Allyl chloride

Concen: 35.861 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

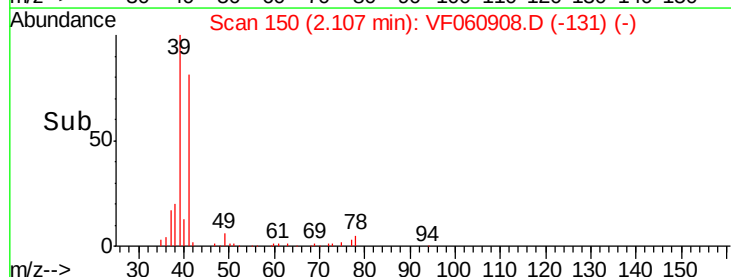
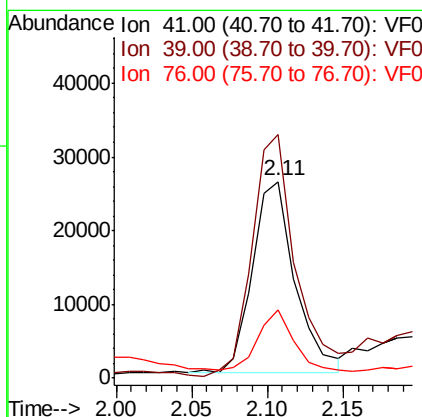
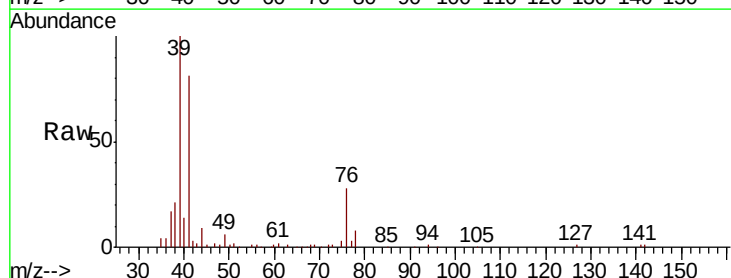
Tgt Ion: 41 Resp: 51464

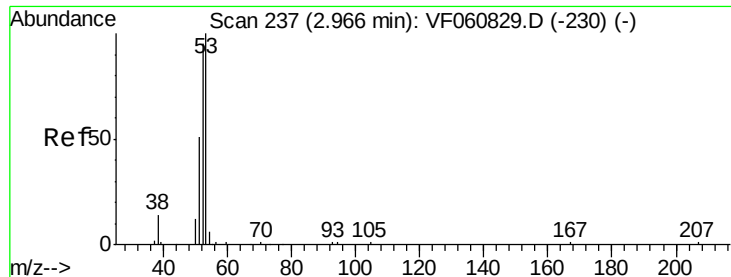
Ion Ratio Lower Upper

41 100

39 123.7 91.7 137.5

76 35.0 23.5 35.3





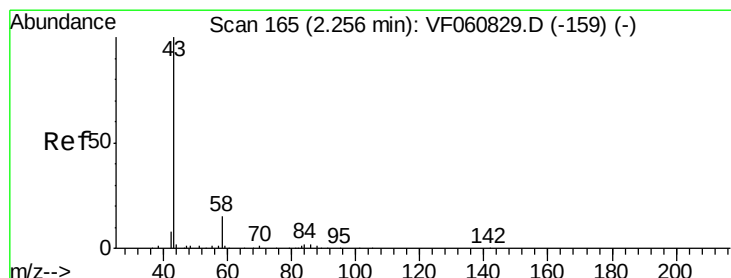
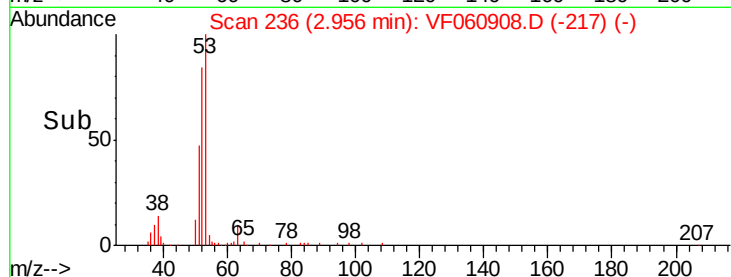
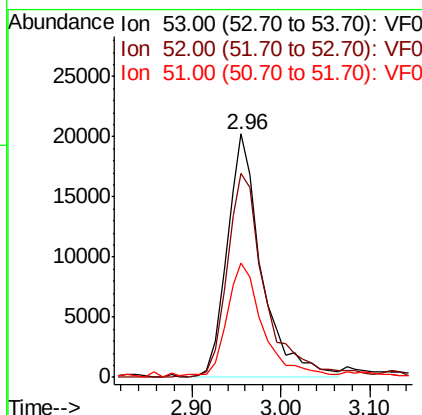
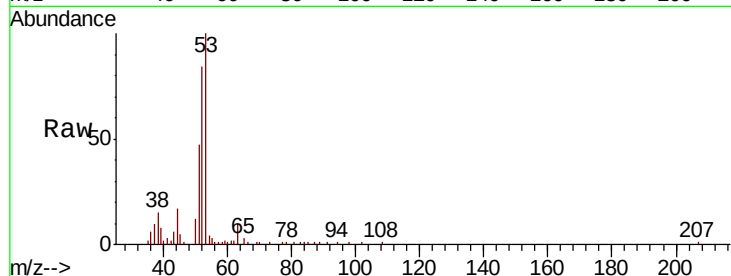
#15
 Acrylonitrile
 Concen: 349.566 ug/l
 RT: 2.96 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.5	76.5	114.7
51	51	46.8	40.7	61.1

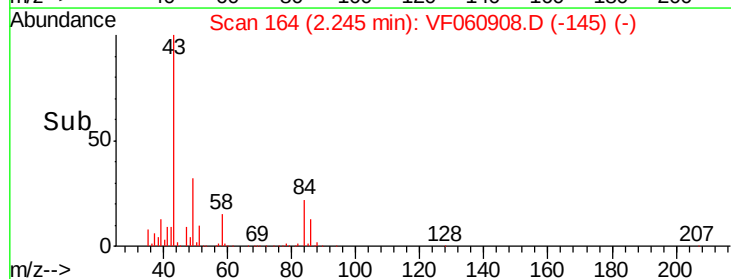
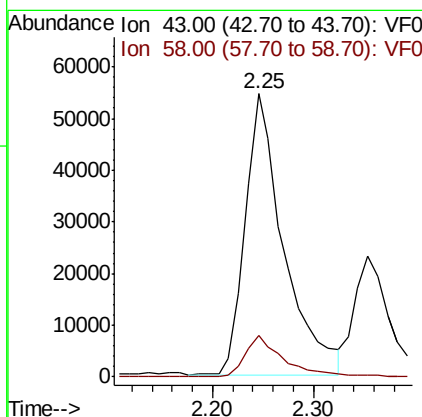
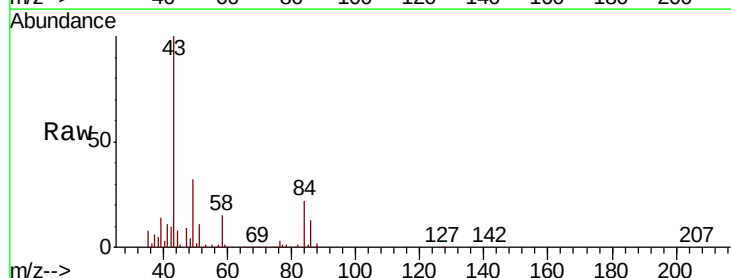
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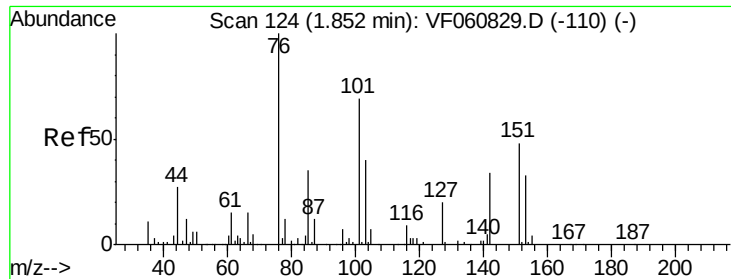
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#16
 Acetone
 Concen: 458.514 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	14.6	11.4	17.2





#17

Carbon Disulfide

Concen: 50.916 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.00 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 76 Resp: 157186

Ion Ratio Lower Upper

76 100

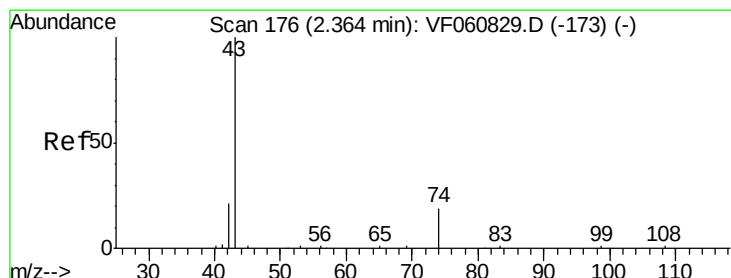
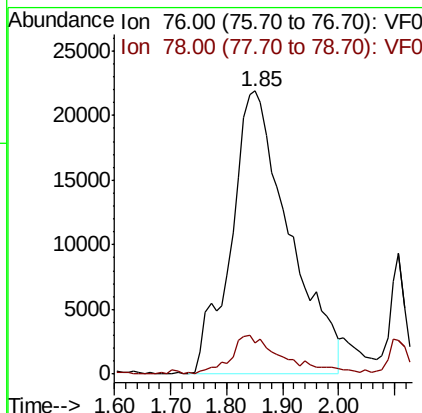
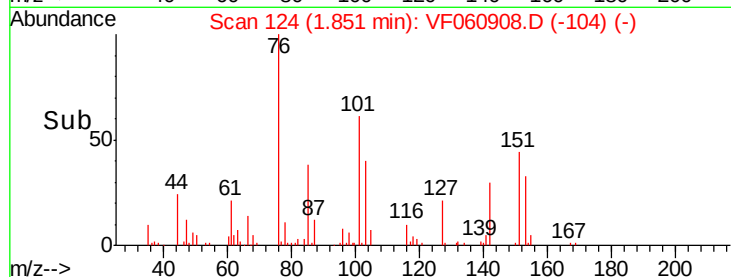
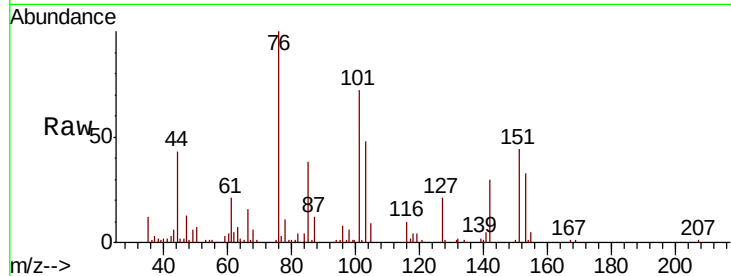
78 11.2 10.2 15.2

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#18

Methyl Acetate

Concen: 93.103 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF060908.D

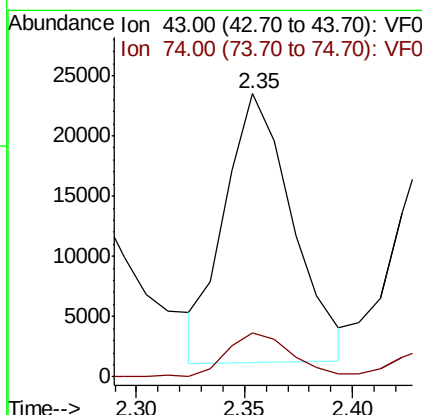
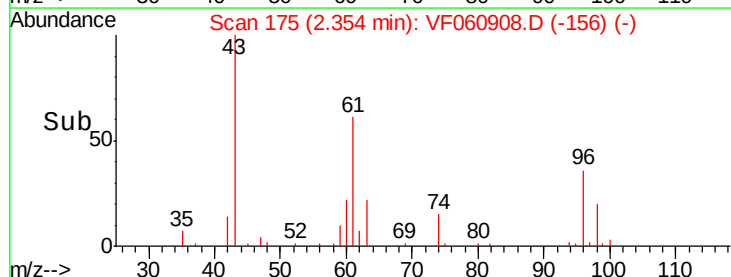
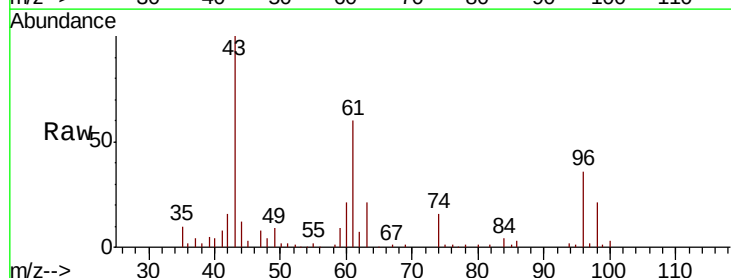
Acq: 3 Dec 2018 23:10

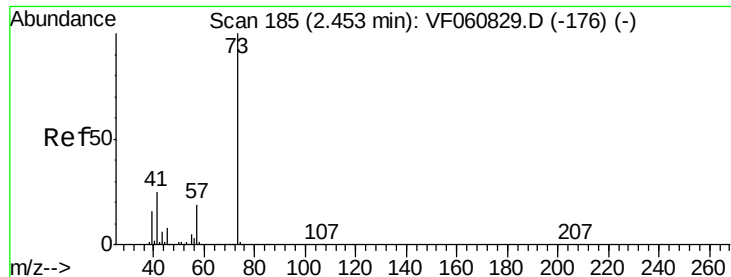
Tgt Ion: 43 Resp: 48586

Ion Ratio Lower Upper

43 100

74 15.6 13.3 19.9





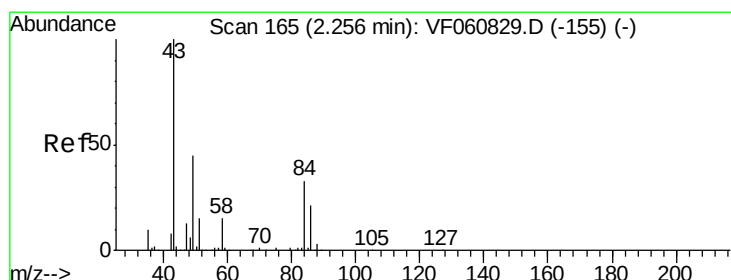
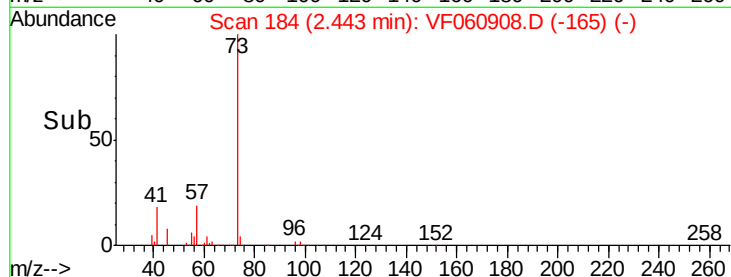
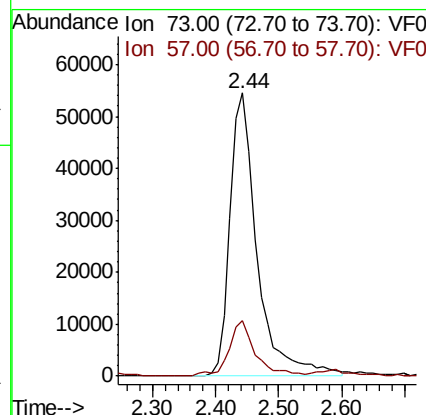
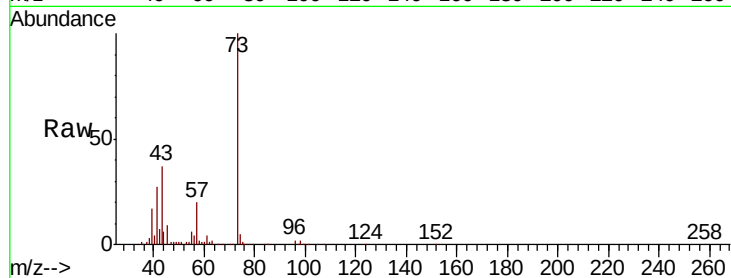
#19
Methyl tert-butyl Ether
Concen: 62.823 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.3	22.9

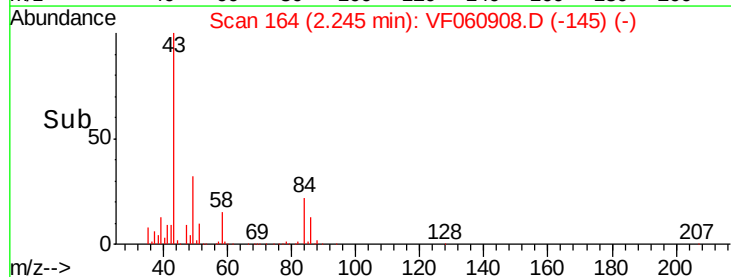
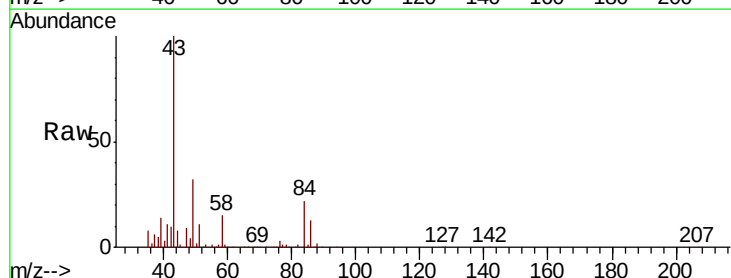
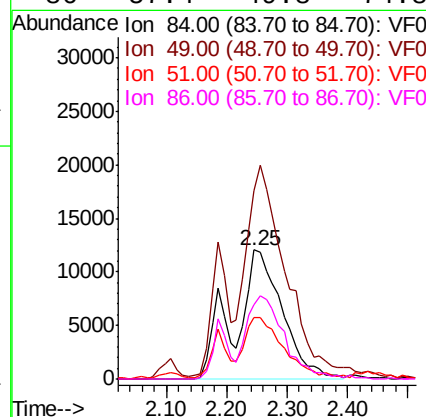
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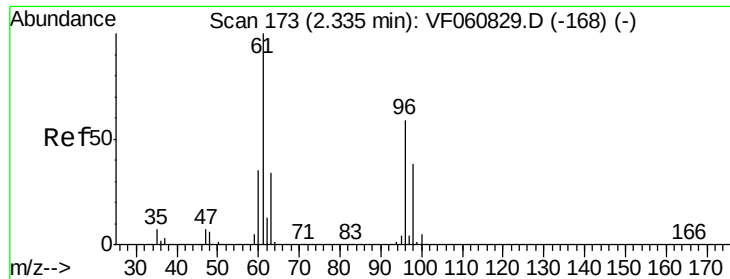
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#20
Methylene Chloride
Concen: 57.247 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.7	111.3	166.9
51	48.1	38.0	57.0
86	57.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 88.170 ug/l m

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

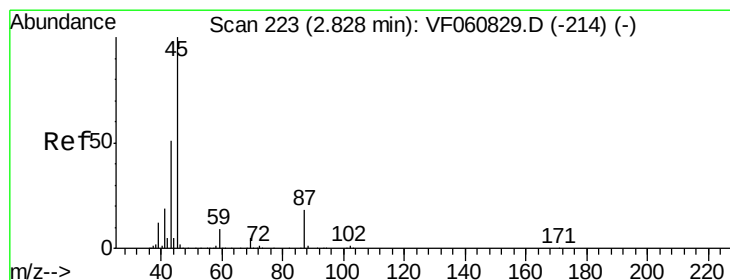
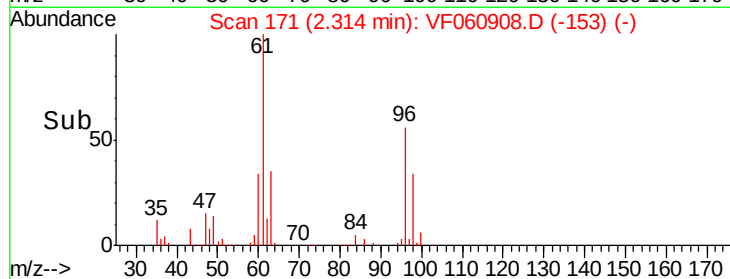
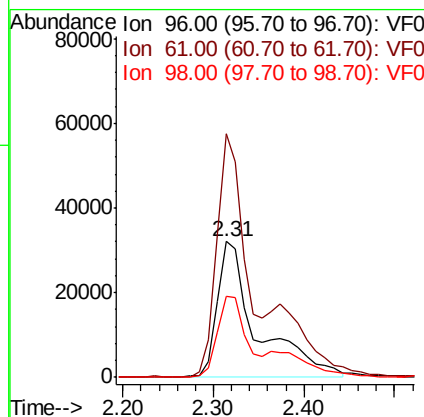
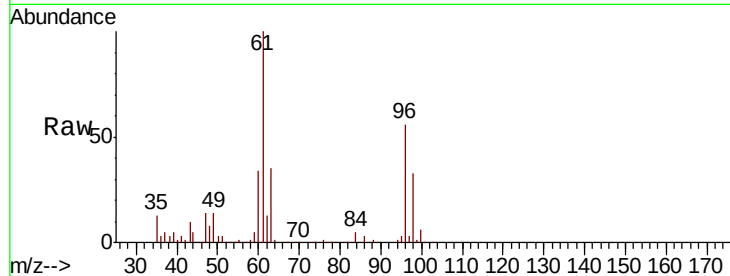
ClientSampleId :

S49-0483MSD

Tot Ion:	96	Resp:	97870
Ion	Ratio	Lower	Upper
96	100		
61	179.2	134.5	201.7
98	59.9	51.6	77.4

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#22

Diisopropyl ether

Concen: 55.371 ug/l

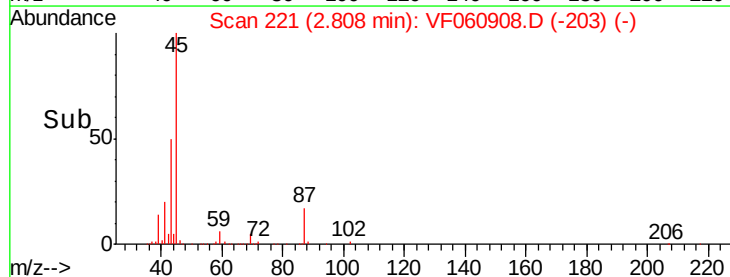
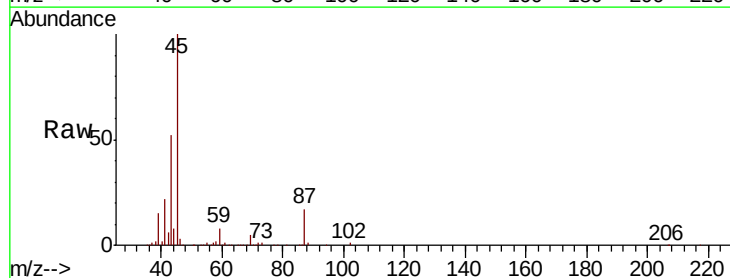
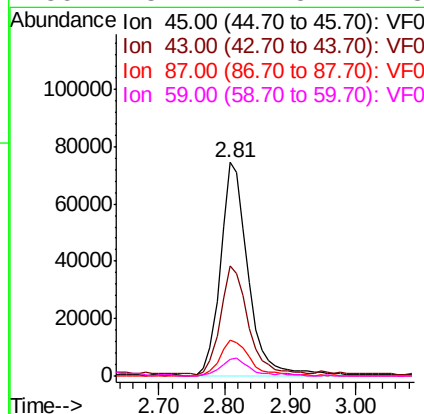
RT: 2.81 min Scan# 221

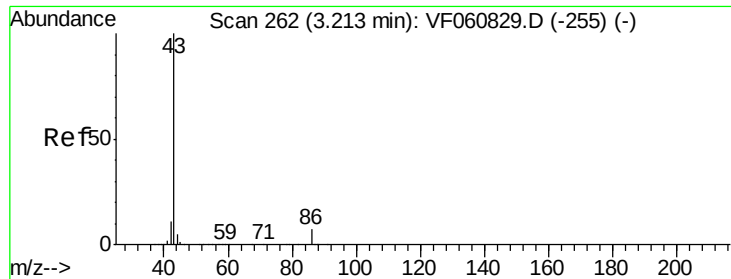
Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	45	Resp:	216293
Ion	Ratio	Lower	Upper
45	100		
43	51.8	41.0	61.6
87	17.1	14.6	22.0
59	8.1	7.5	11.3





#23

Vinyl Acetate

Concen: 200.168 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 43 Resp: 357420

Ion Ratio Lower Upper

43 100

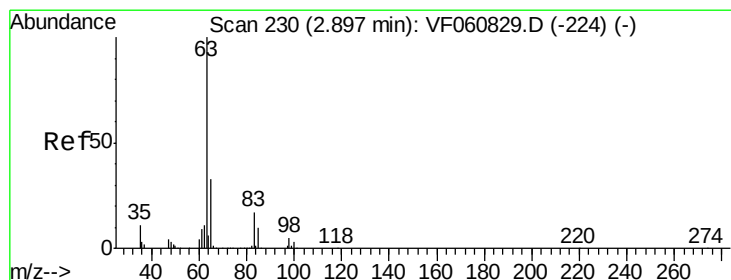
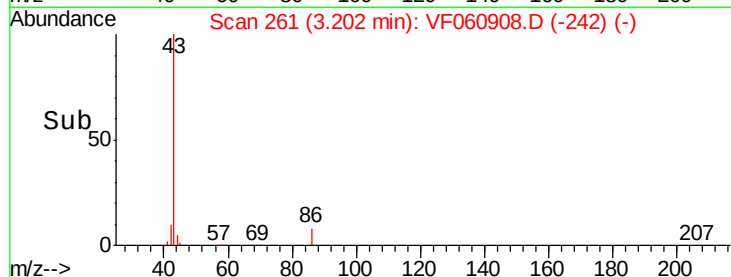
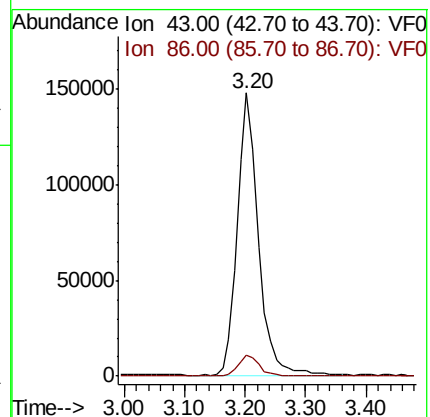
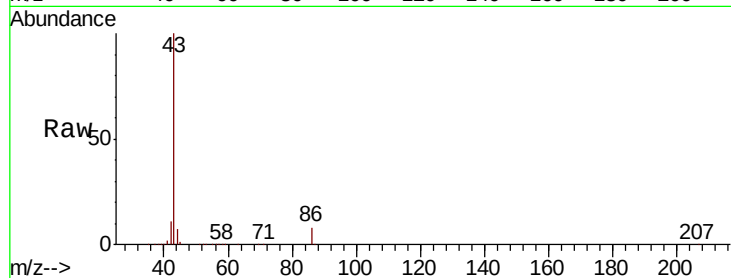
86 7.5 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 52.059 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

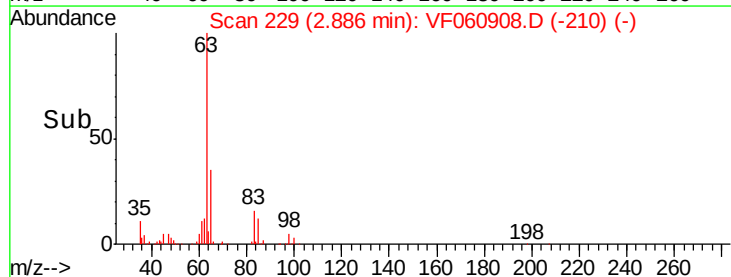
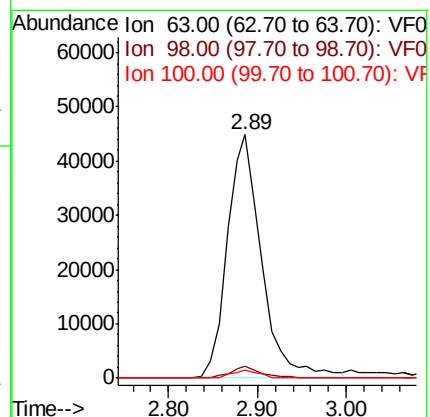
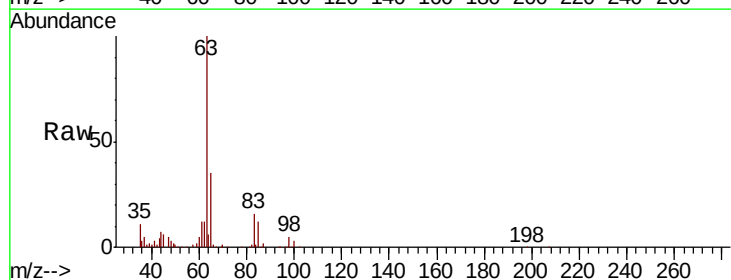
Tgt Ion: 63 Resp: 120990

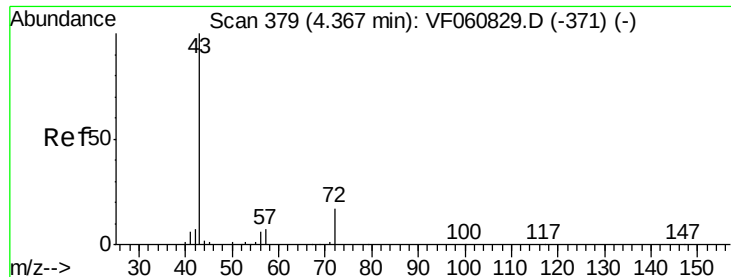
Ion Ratio Lower Upper

63 100

98 4.7 2.7 8.1

100 3.4 1.5 4.5





#25

2-Butanone

Concen: 334.260 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 43 Resp: 182630

Ion Ratio Lower Upper

43 100

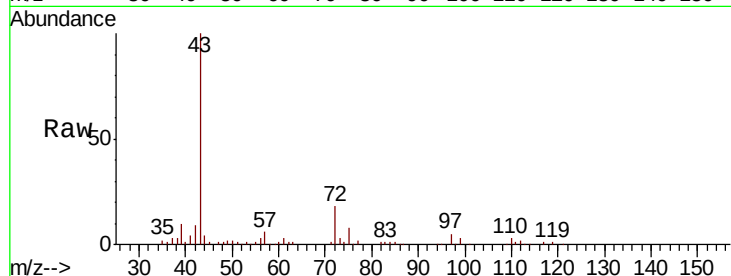
72 18.0 15.4 23.2

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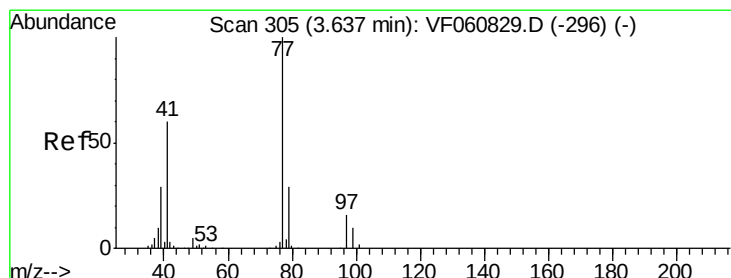
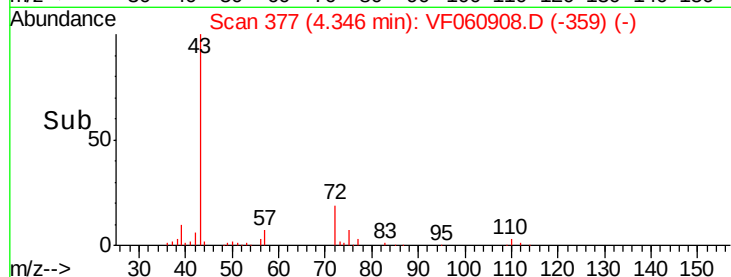
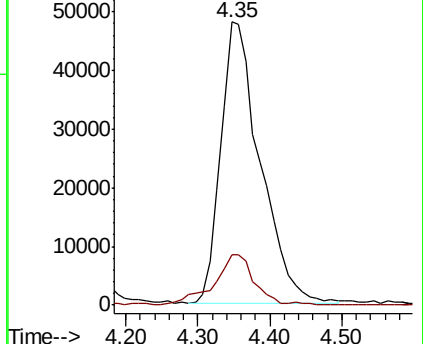
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 44.889 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060908.D

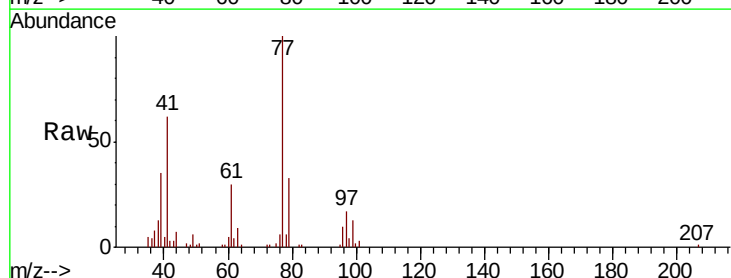
Acq: 3 Dec 2018 23:10

Tgt Ion: 77 Resp: 67636

Ion Ratio Lower Upper

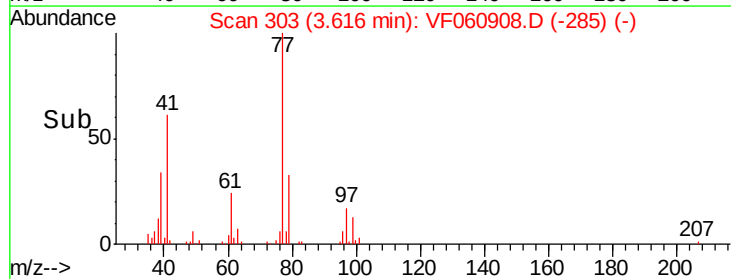
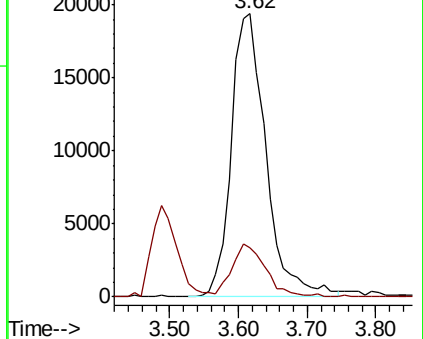
77 100

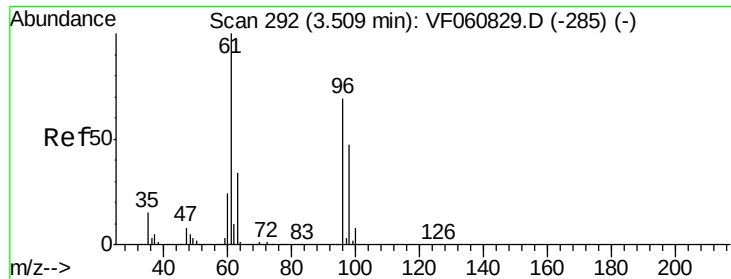
97 17.3 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





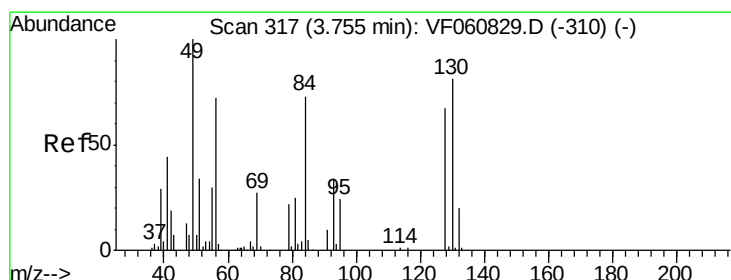
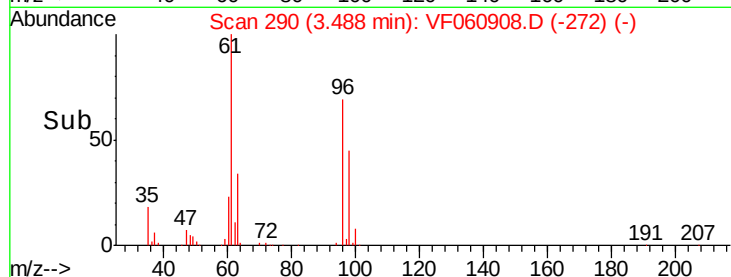
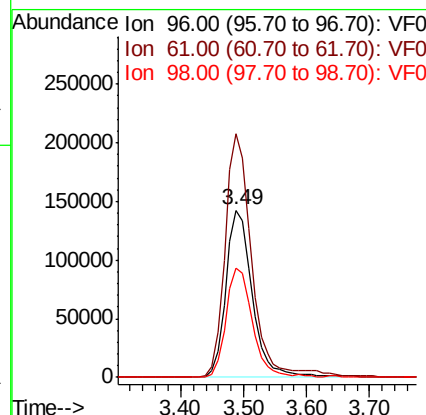
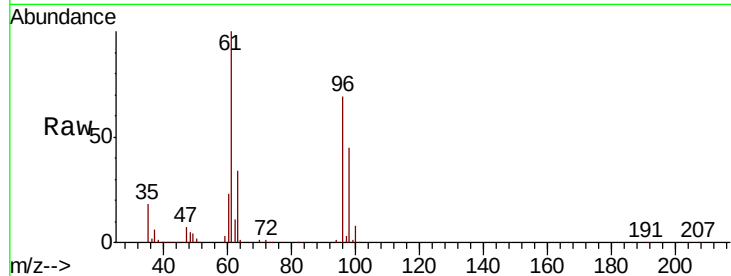
#27
 cis-1,2-Dichloroethene
 Concen: 230.629 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	416774		
61	145.6		0.0	290.6
98	65.0		0.0	137.8

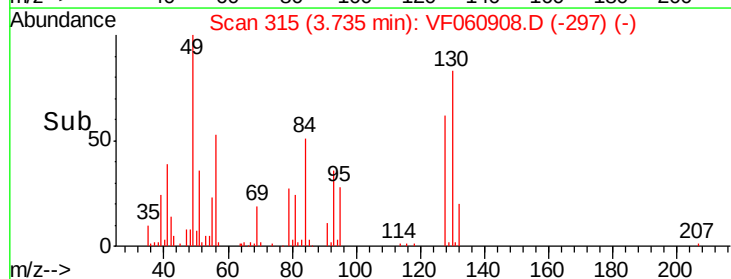
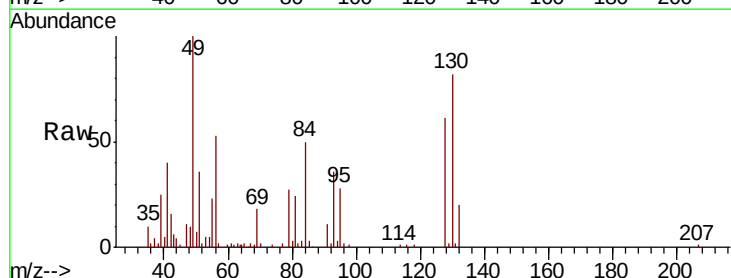
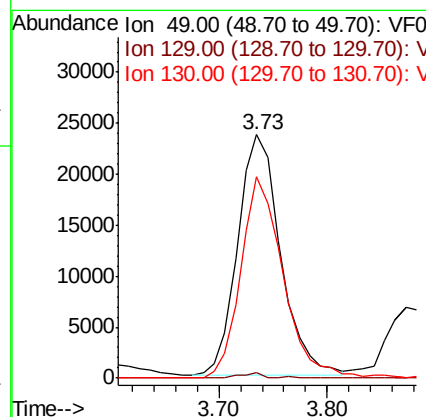
Manual Integrations
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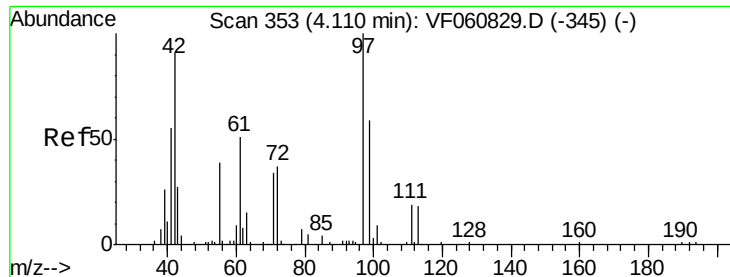
apatel
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#28
 Bromochloromethane
 Concen: 58.580 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65339		
129	2.4		0.0	4.4
130	82.5		64.2	96.4





#29

Tetrahydrofuran

Concen: 353.038 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

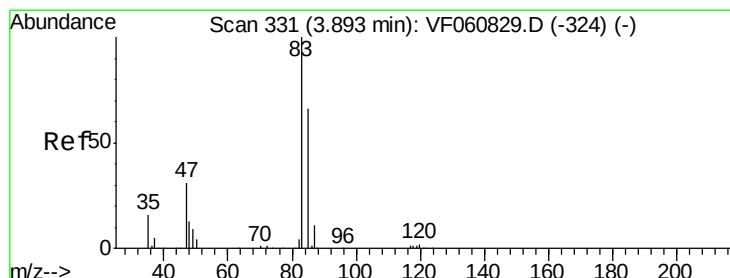
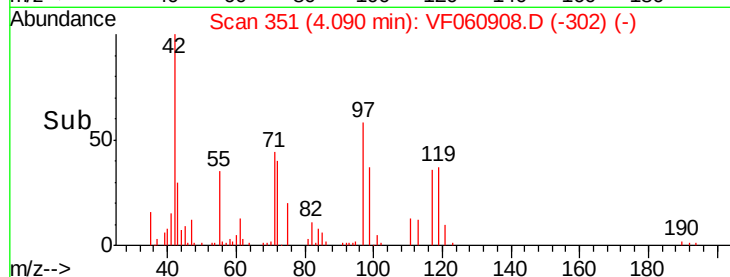
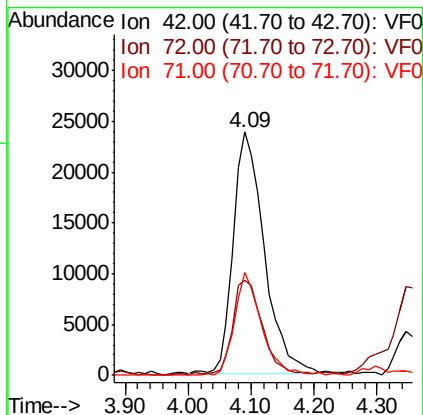
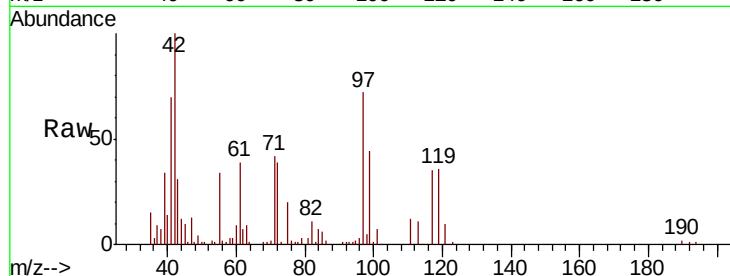
ClientSampleId :

S49-0483MSD

Tot Ion:	42	Resp:	81763
Ion	Ratio	Lower	Upper
42	100		
72	35.7	31.9	47.9
71	36.9	28.7	43.1

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#30

Chloroform

Concen: 55.571 ug/l

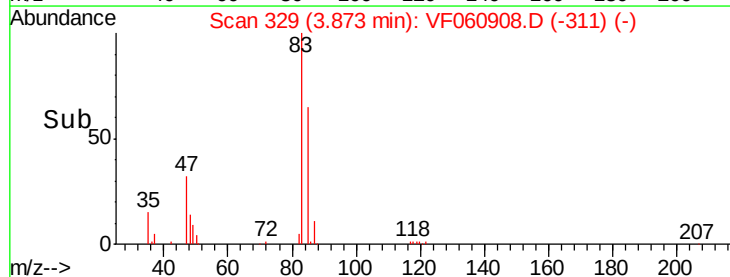
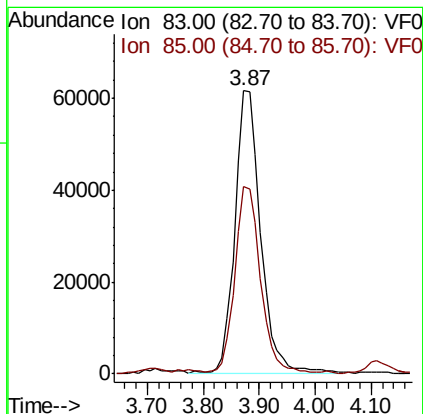
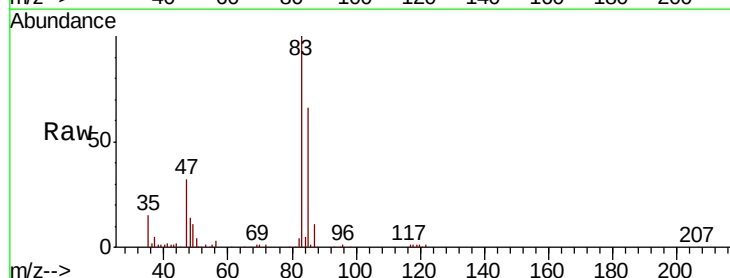
RT: 3.87 min Scan# 329

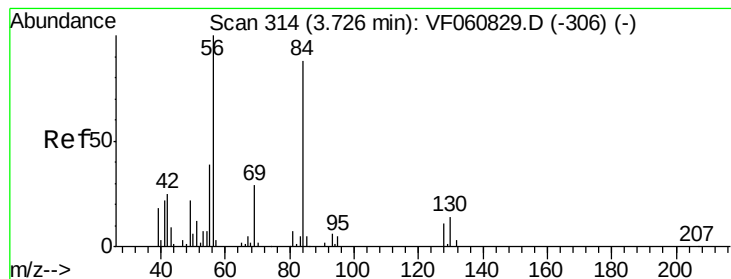
Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	83	Resp:	198771
Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.4	80.2





#31

Cyclohexane

Concen: 47.405 ug/l m

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 56 Resp: 114340

Ion Ratio Lower Upper

56 100

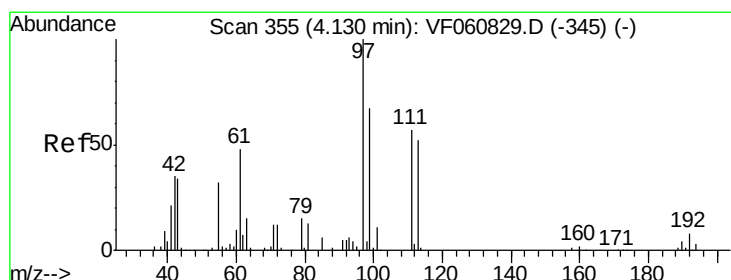
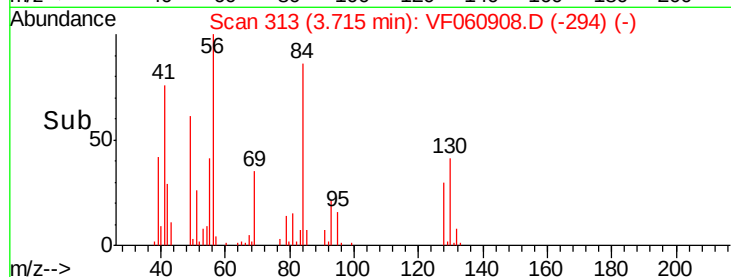
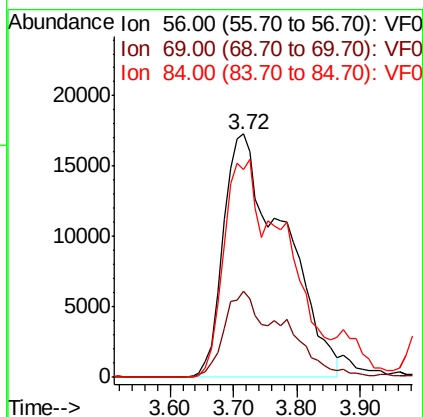
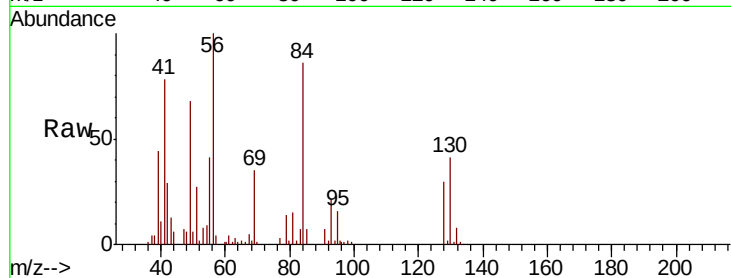
69 35.4 23.0 34.4#

84 85.6 70.4 105.6

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#32

1,1,1-Trichloroethane

Concen: 45.625 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

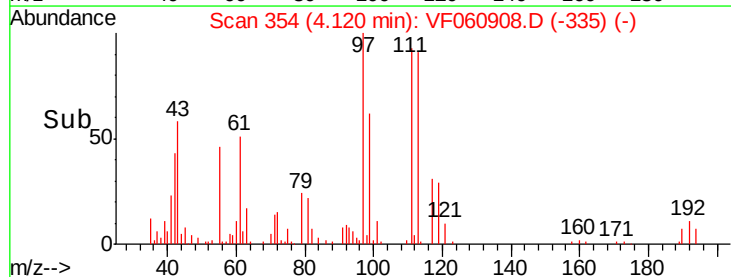
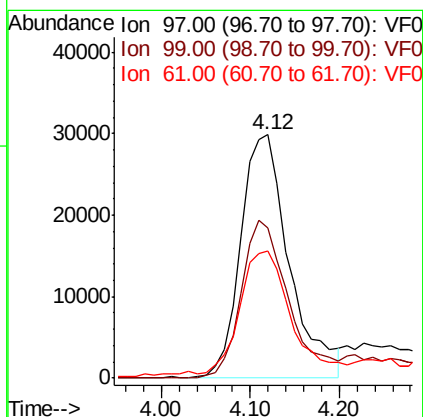
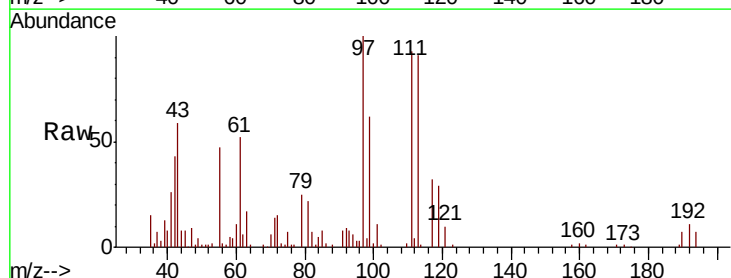
Tgt Ion: 97 Resp: 113181

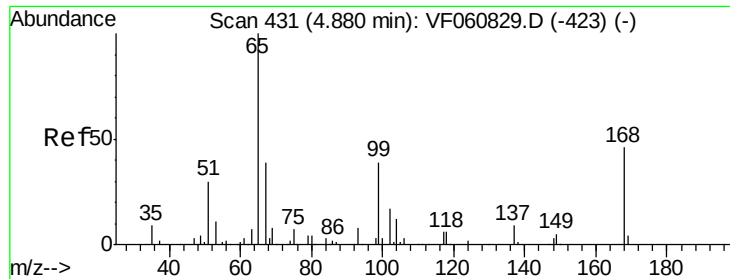
Ion Ratio Lower Upper

97 100

99 61.8 53.5 80.3

61 52.3 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 62.654 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 65 Resp: 107325

Ion Ratio Lower Upper

65 100

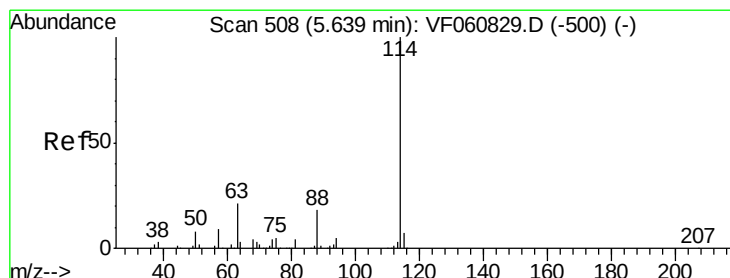
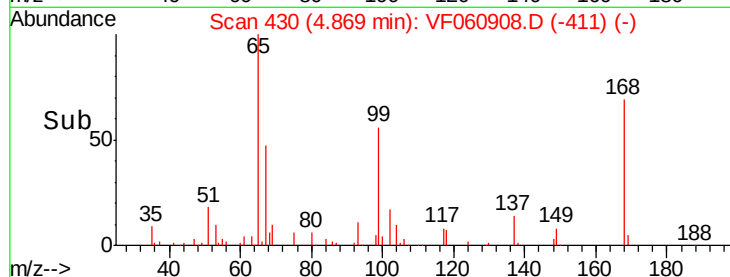
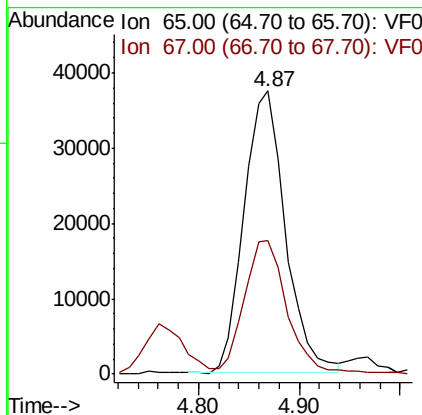
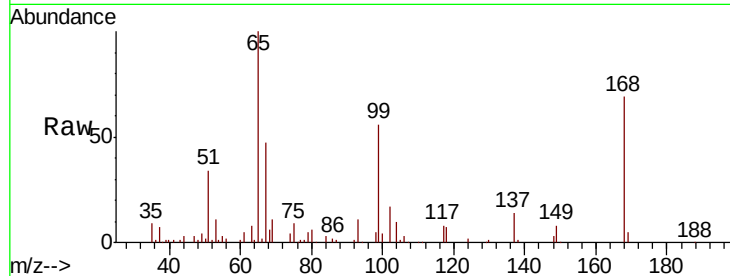
67 47.1 0.0 96.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

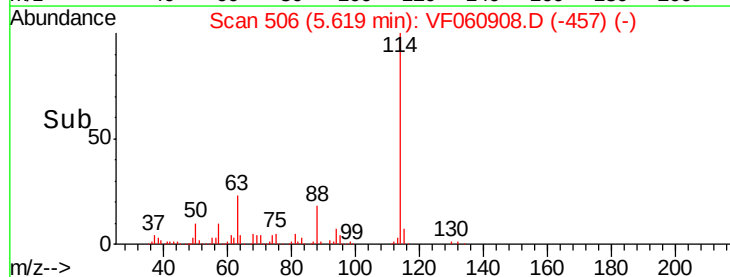
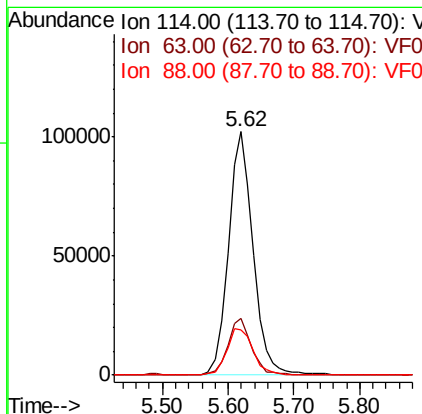
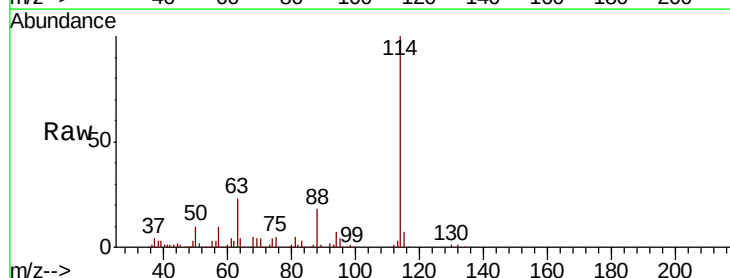
Tgt Ion: 114 Resp: 267868

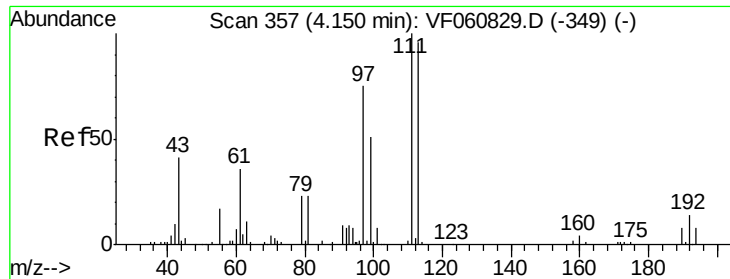
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.6

88 18.3 0.0 36.6





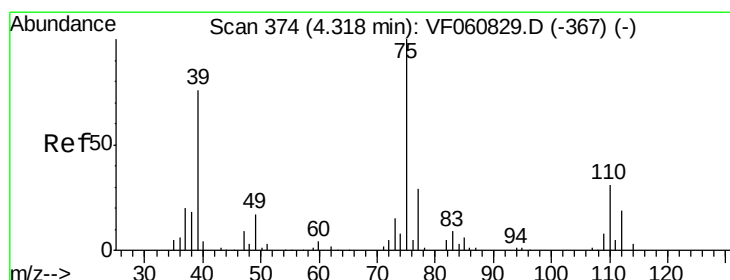
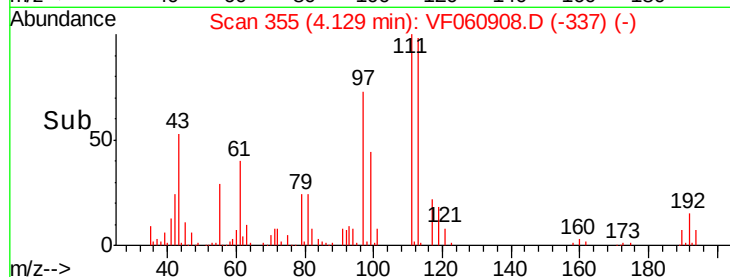
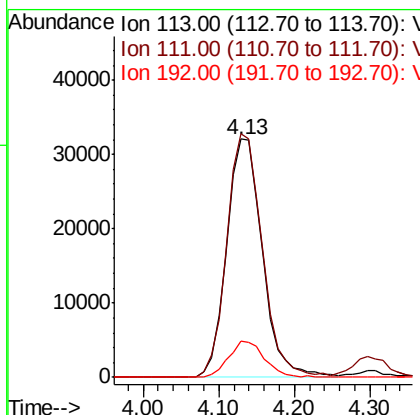
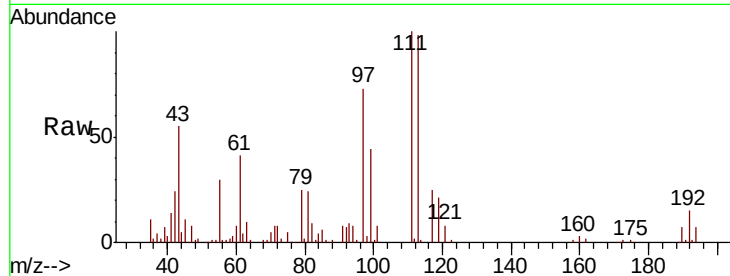
#35
 Dibromofluoromethane
 Concen: 49.390 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104957		
111	102.3	83.0	124.6	
192	15.0	12.3	18.5	

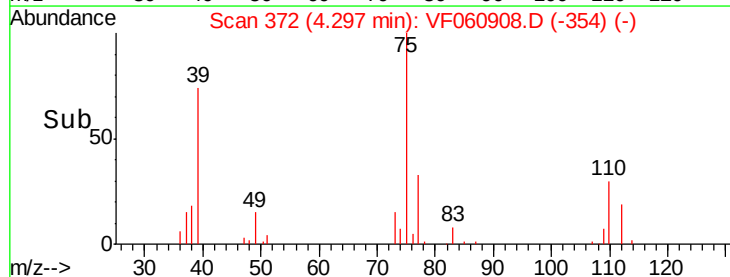
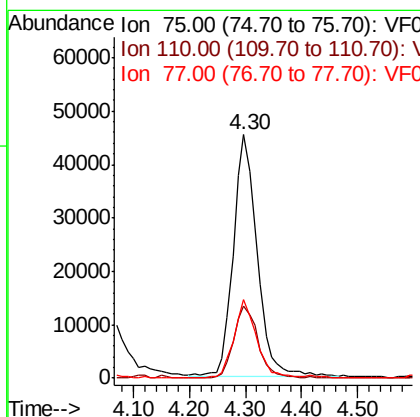
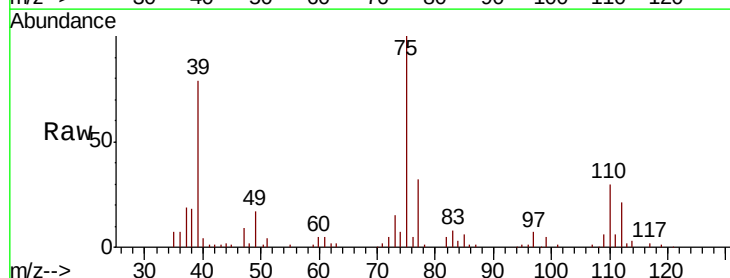
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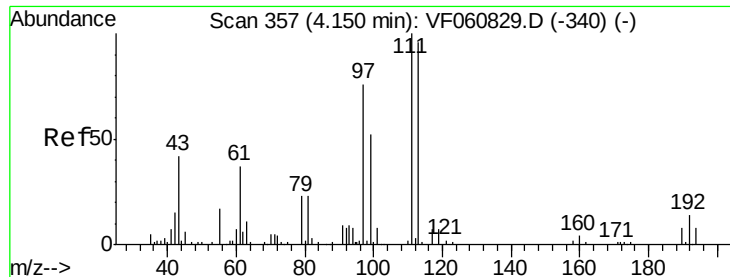
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#36
 1,1-Dichloropropene
 Concen: 45.392 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134863		
110	29.5	15.6	46.8	
77	32.2	23.4	35.0	





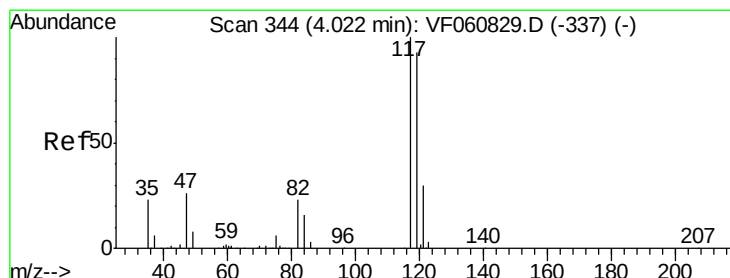
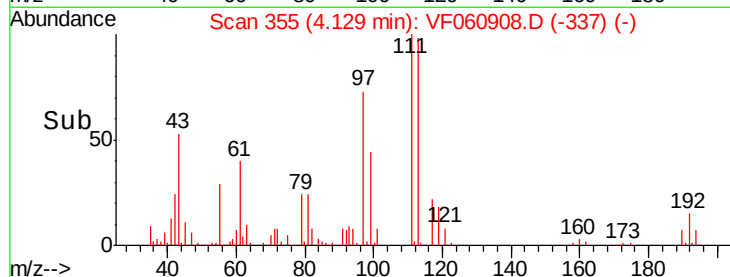
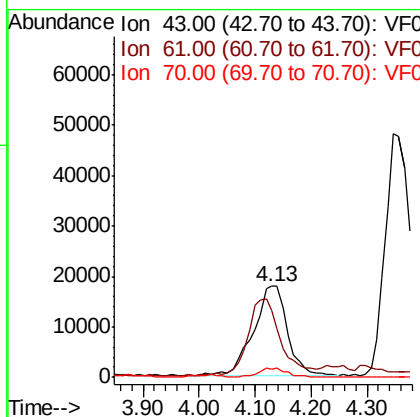
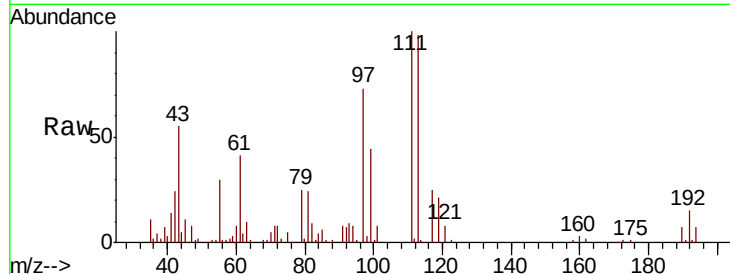
#37
Ethyl Acetate
Concen: 61.667 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	74.0	68.6	103.0			
70	8.7	9.0	13.4			

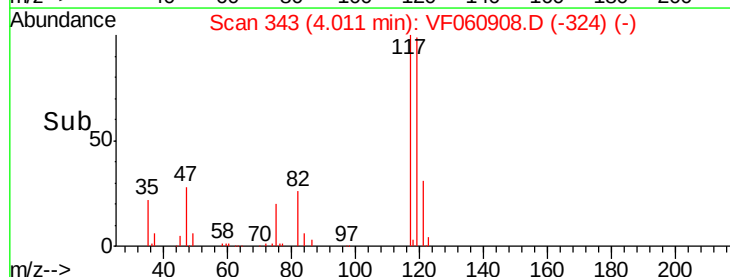
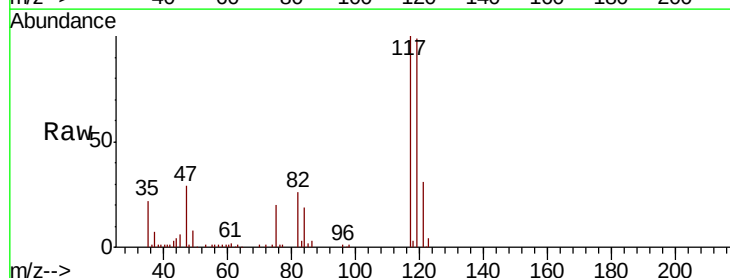
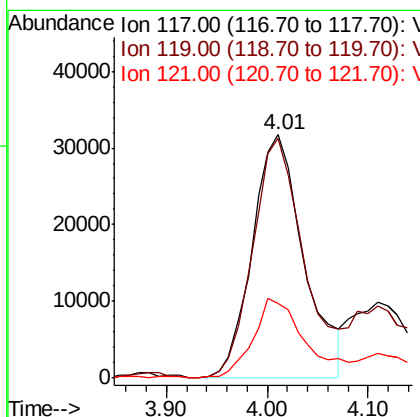
Manual Integrations
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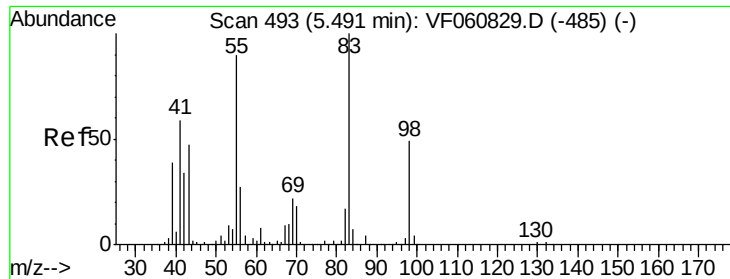
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#38
Carbon Tetrachloride
Concen: 42.940 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	98.6	74.4	111.6			
121	30.9	23.5	35.3			





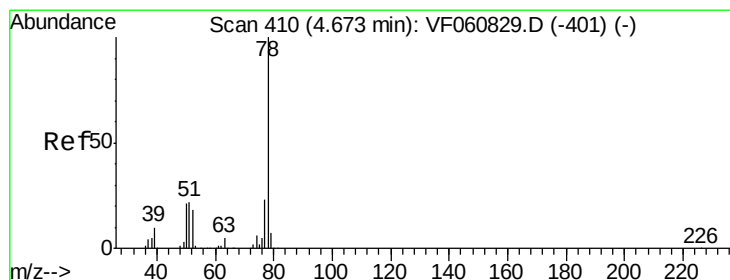
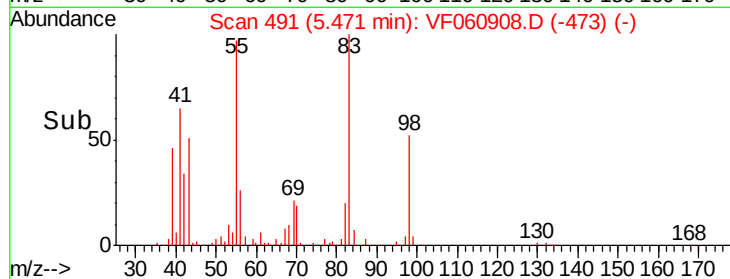
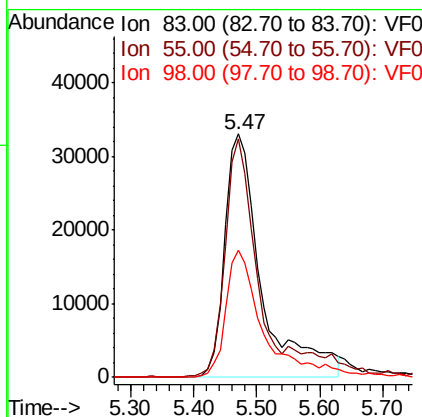
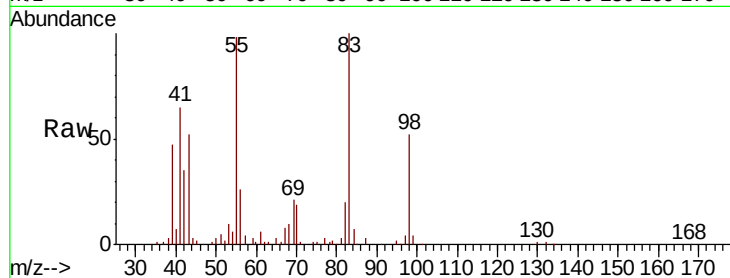
#39
Methylvlcyclohexane
Concen: 43.328 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	83.00	Resp	134908
Ion Ratio	Lower	Upper	
83	100		
55	97.7	72.1	108.1
98	52.0	39.1	58.7

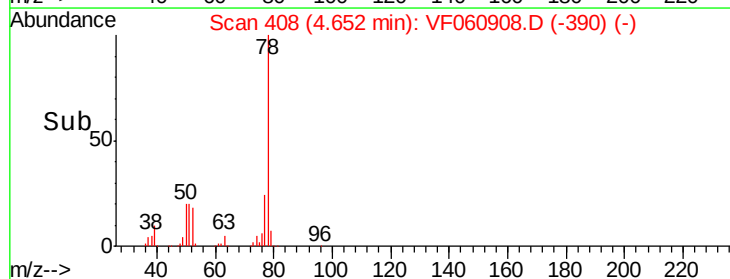
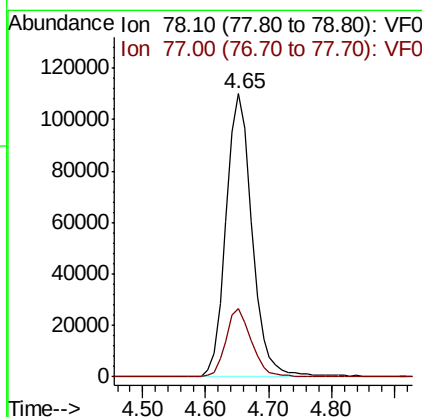
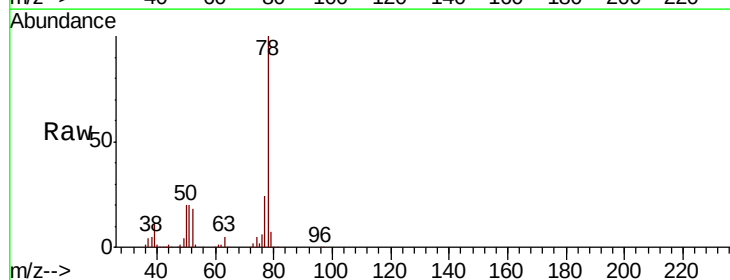
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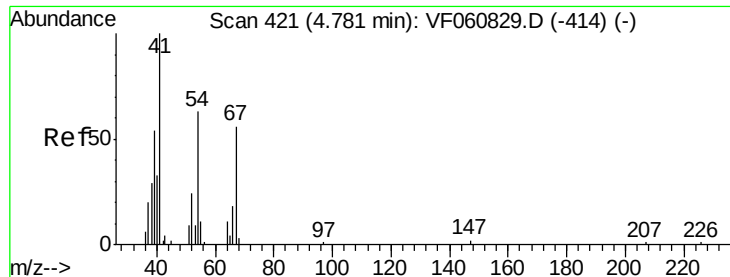
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#40
Benzene
Concen: 48.017 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	78	Resp	315172
Ion Ratio	Lower	Upper	
78	100		
77	24.3	18.7	28.1





#41

Methacrylonitrile

Concen: 62.682 ug/l

RT: 4.76 min Scan# 419

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

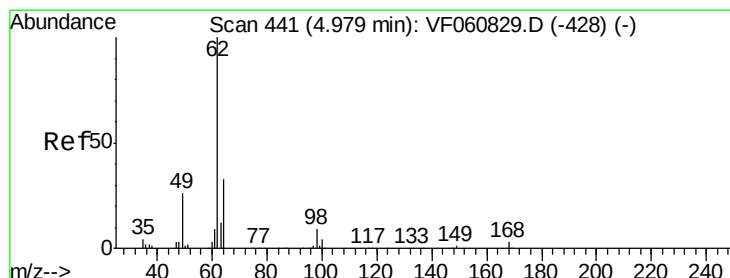
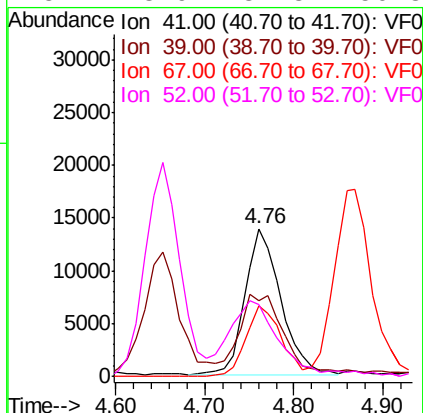
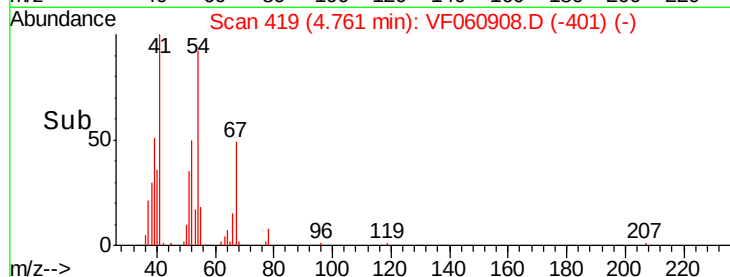
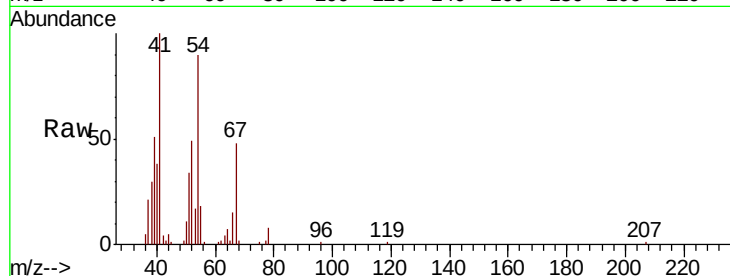
ClientSampleId :

S49-0483MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	53.0	79.6#	
67	47.9	43.8	65.6	
52	48.9	37.8	56.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.151 ug/l

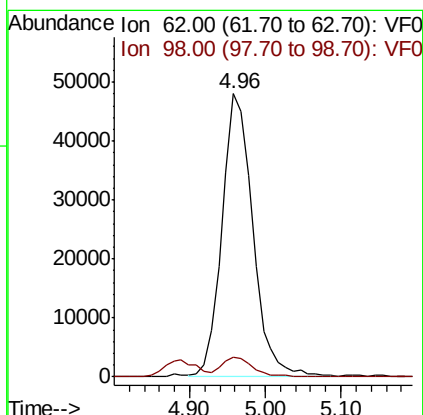
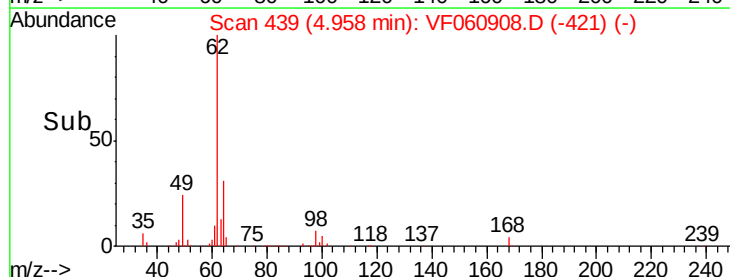
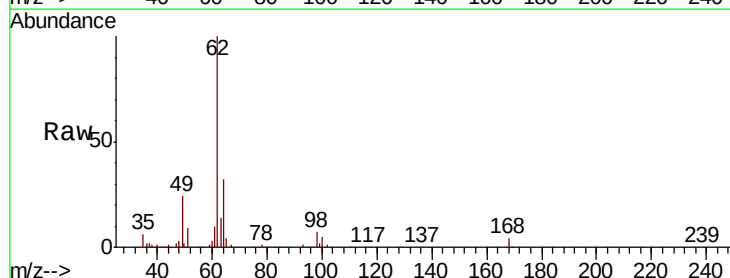
RT: 4.96 min Scan# 439

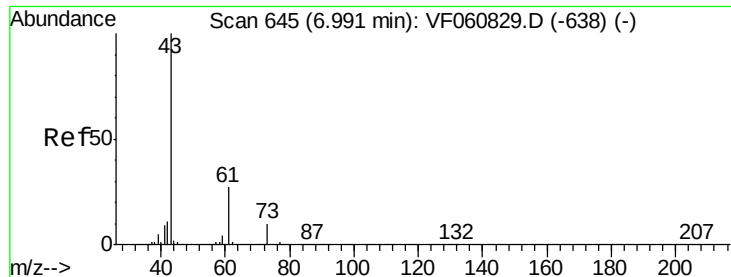
Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	0.0	17.2	





#43

Isopropyl Acetate

Concen: 64.381 ug/l

RT: 6.98 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

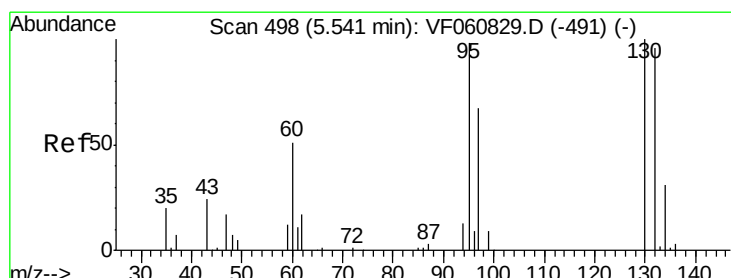
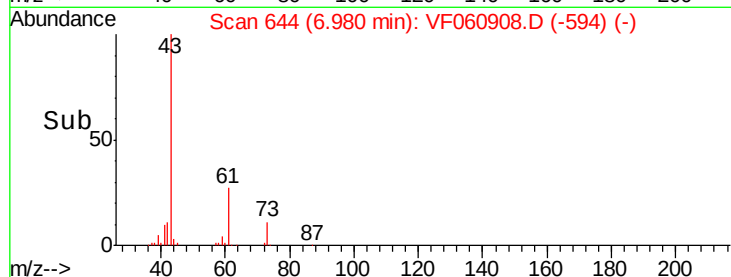
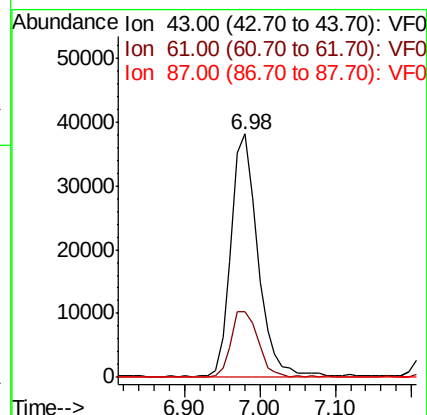
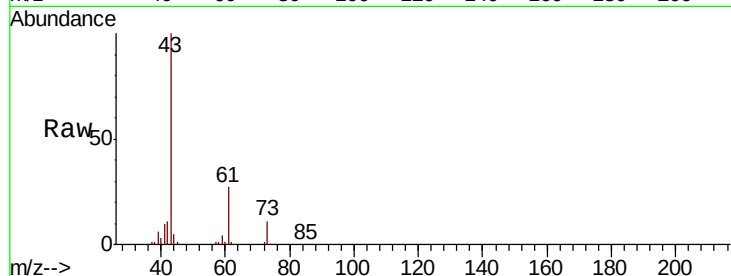
ClientSampleId :

S49-0483MSD

Tot Ion:	43	Resp:	94742
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.0
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 72.906 ug/l

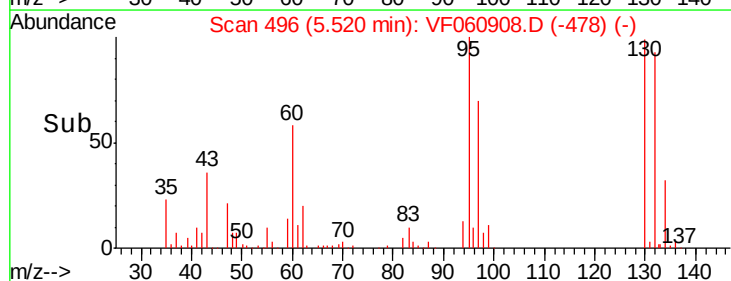
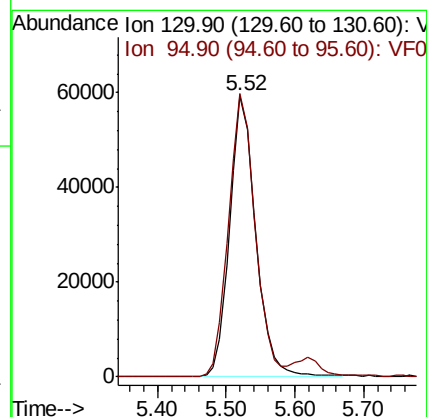
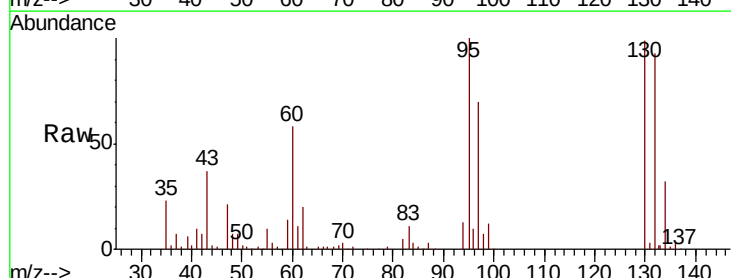
RT: 5.52 min Scan# 496

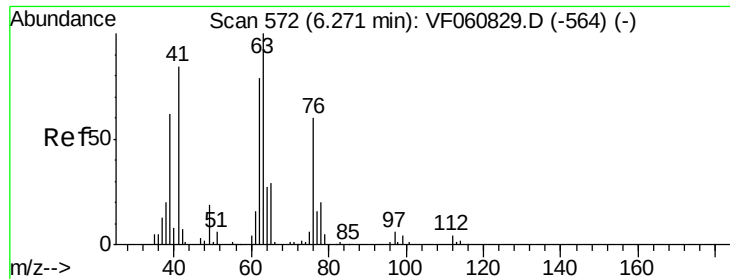
Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	130	Resp:	156466
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	195.6





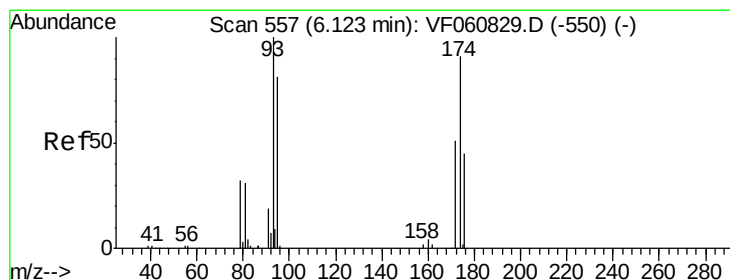
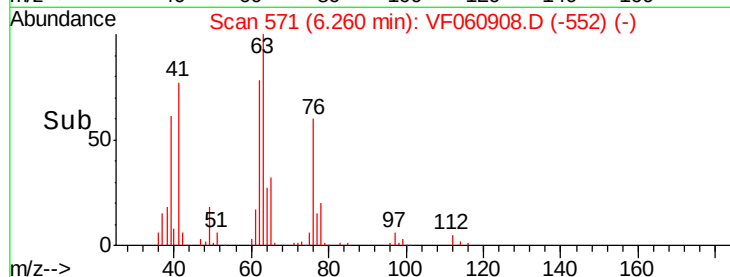
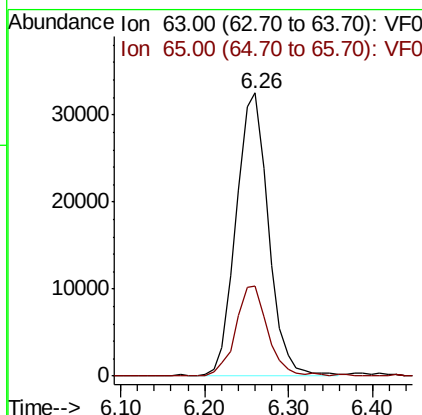
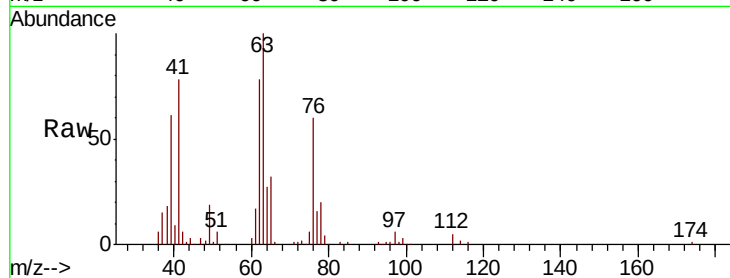
#45
 1,2-Dichloropropane
 Concen: 51.403 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion: 63 Resp: 87626
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.2 34.8

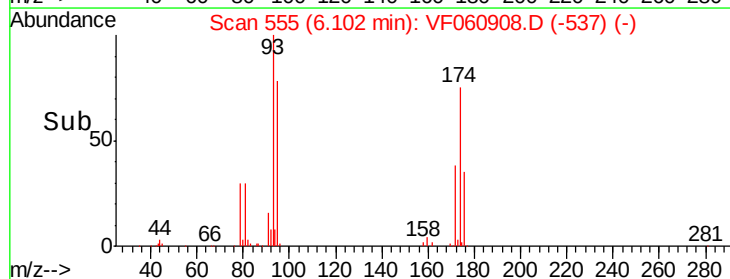
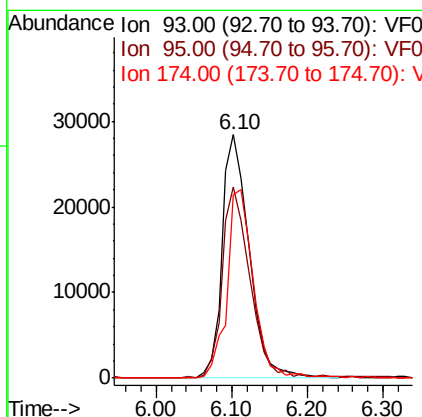
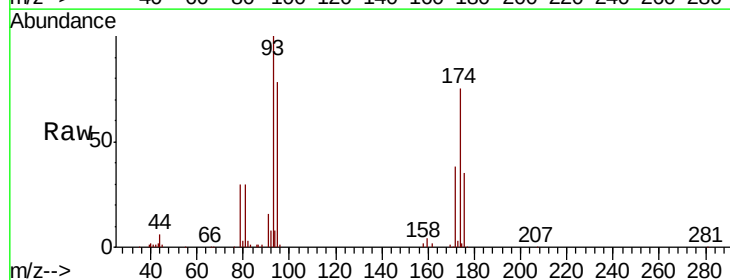
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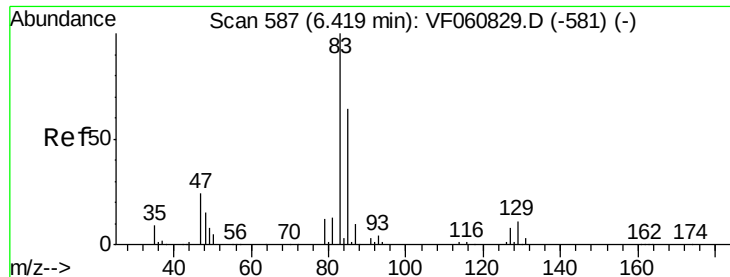
apatel
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#46
 Dibromomethane
 Concen: 61.024 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion: 93 Resp: 70569
 Ion Ratio Lower Upper
 93 100
 95 78.4 64.7 97.1
 174 77.1 73.0 109.6





#47

Bromodichloromethane

Concen: 52.401 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

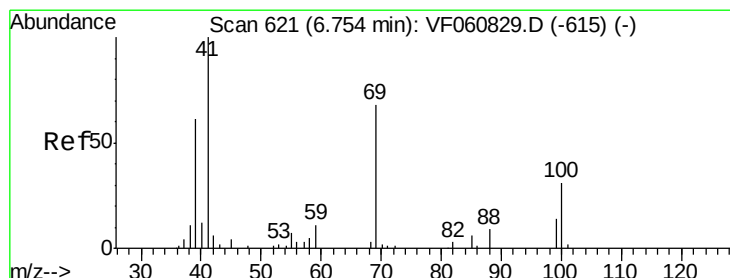
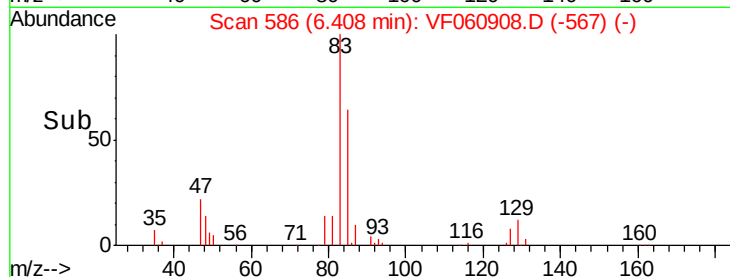
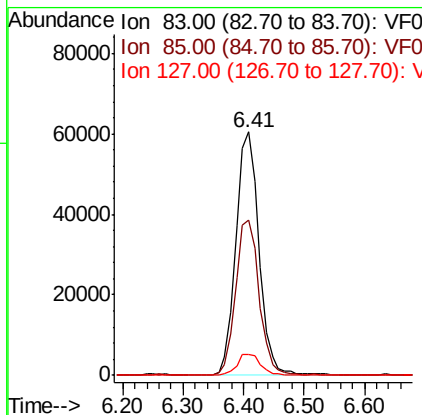
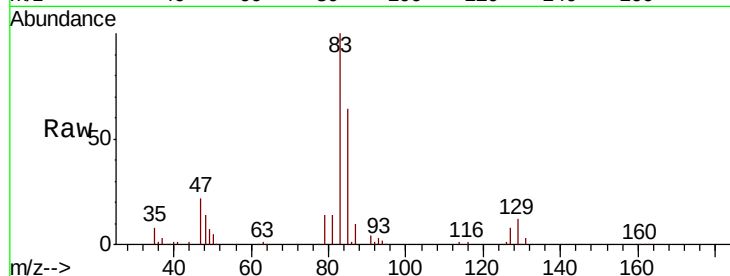
ClientSampleId :

S49-0483MSD

Tot Ion:	83	Resp:	160947
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	8.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.153 ug/l

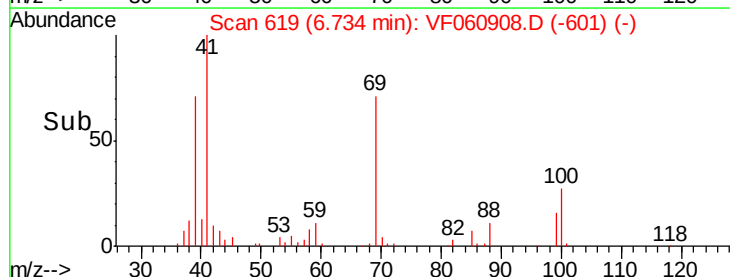
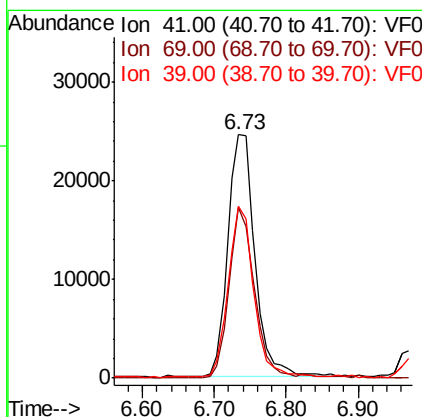
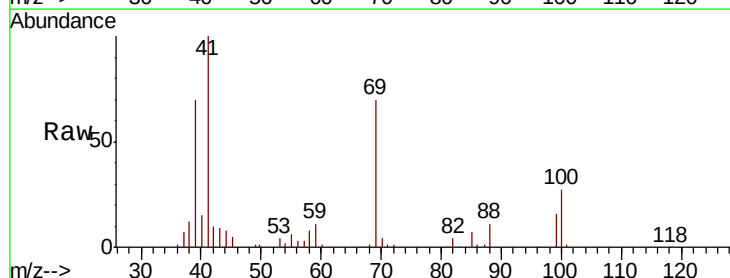
RT: 6.73 min Scan# 619

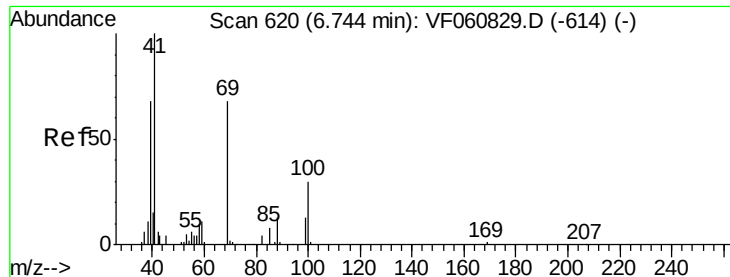
Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	41	Resp:	64648
Ion Ratio	Lower	Upper	
41	100		
69	70.2	53.9	80.9
39	70.4	49.0	73.6





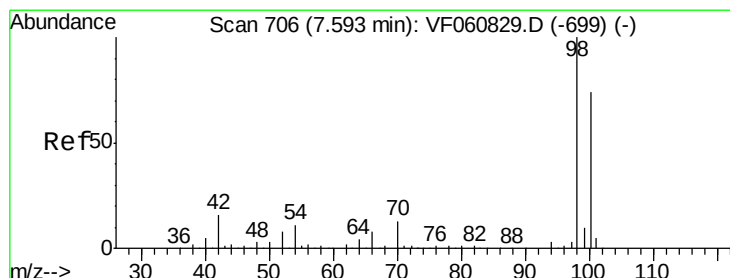
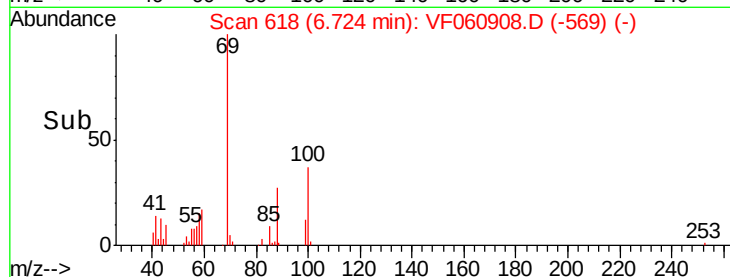
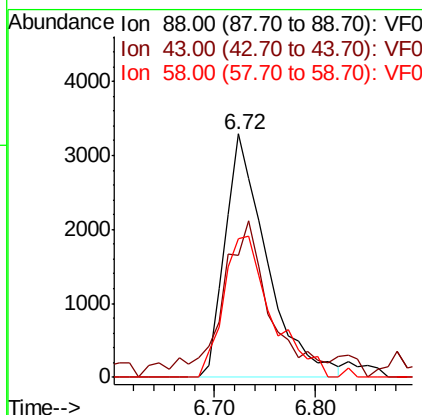
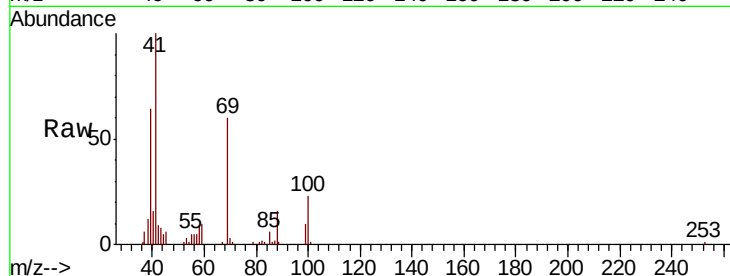
#49
 1,4-Dioxane
 Concen: 1185.096 ug/l
 RT: 6.72 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	88	Resp	9479
Ion	Ratio	Lower	Upper
88	100		
43	50.0	42.0	63.0
58	56.9	61.8	92.8#

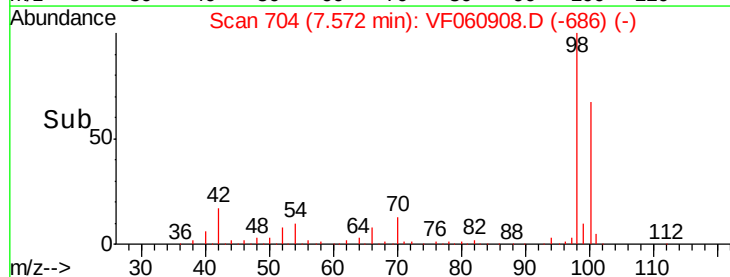
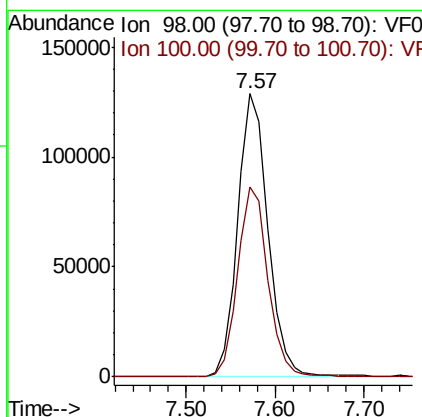
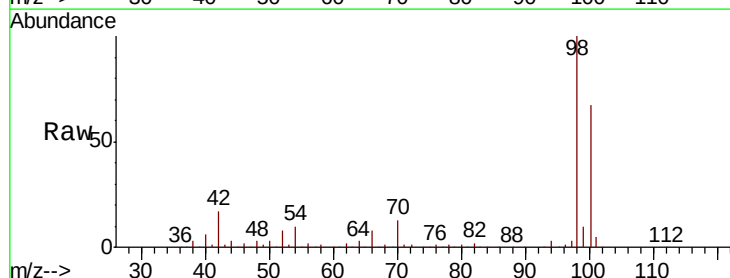
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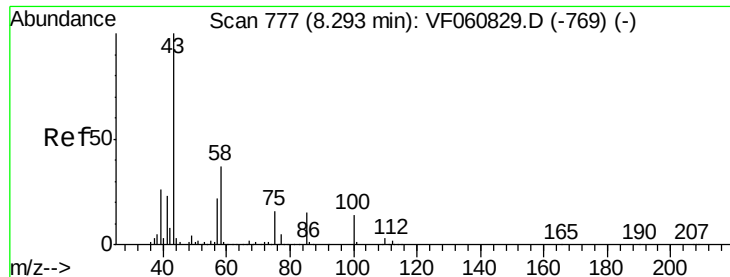
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#50
 Toluene-d8
 Concen: 48.394 ug/l
 RT: 7.57 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	98	Resp	302938
Ion	Ratio	Lower	Upper
98	100		
100	67.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 317.430 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 43 Resp: 353425

Ion Ratio Lower Upper

43 100

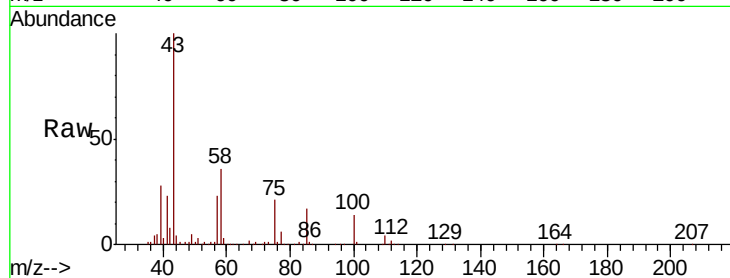
58 36.2 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

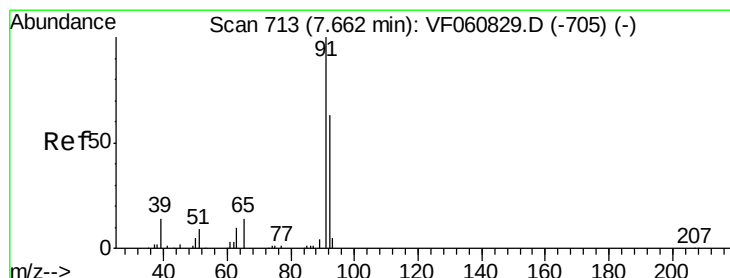
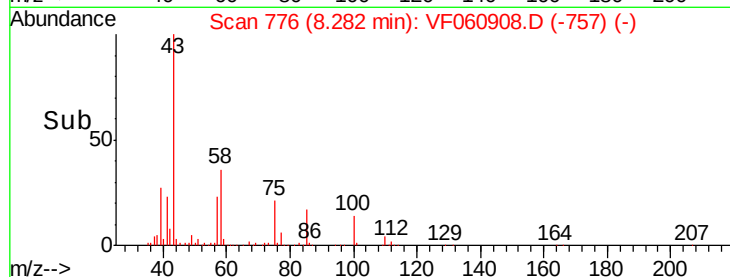
100000

50000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 46.450 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060908.D

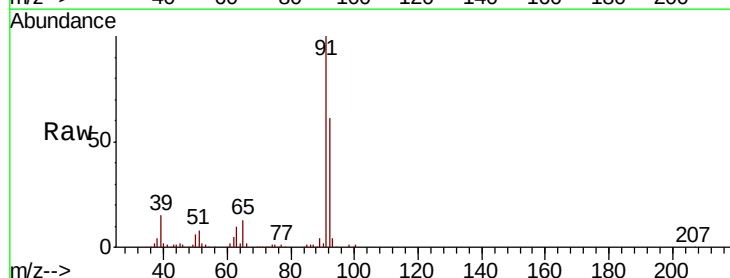
Acq: 3 Dec 2018 23:10

Tgt Ion: 92 Resp: 214159

Ion Ratio Lower Upper

92 100

91 165.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

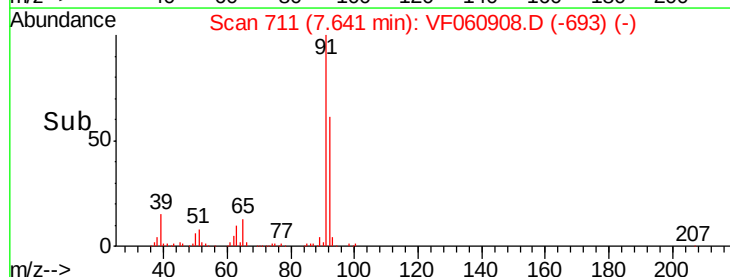
100000

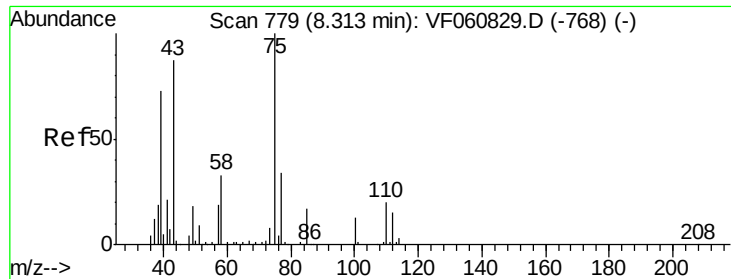
50000

0

7.60 7.70

Time-->





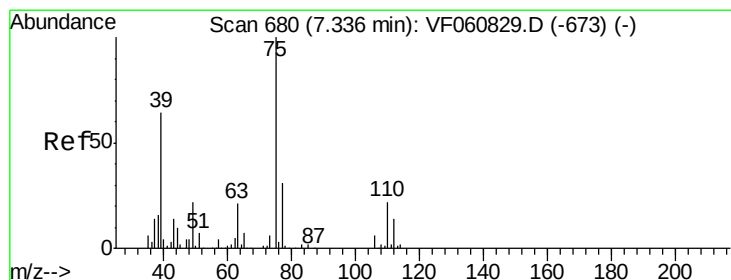
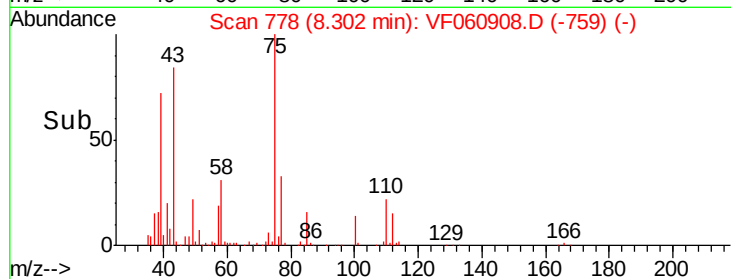
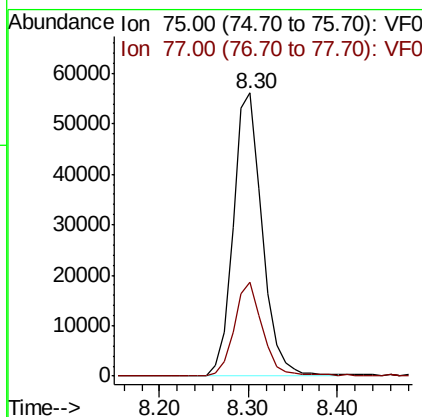
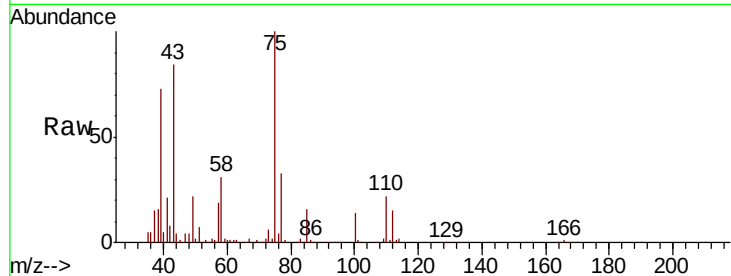
#53
t-1,3-Dichloropropene
Concen: 51.021 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion: 75 Resp: 127468
Ion Ratio Lower Upper
75 100
77 33.0 27.4 41.2

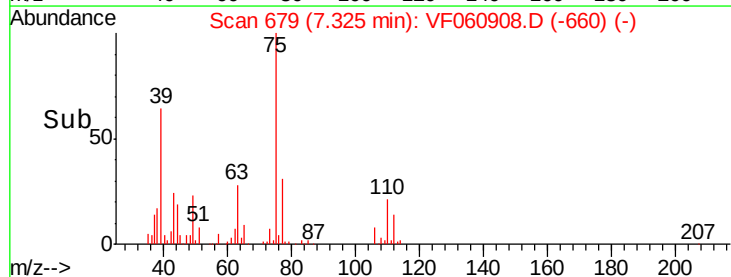
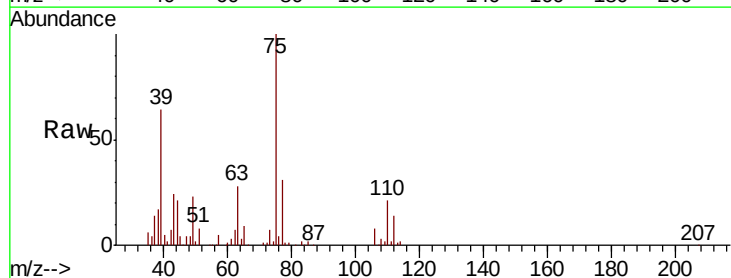
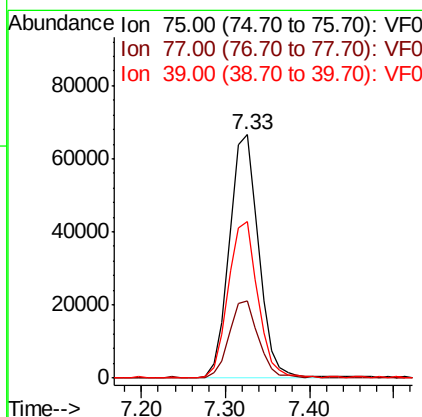
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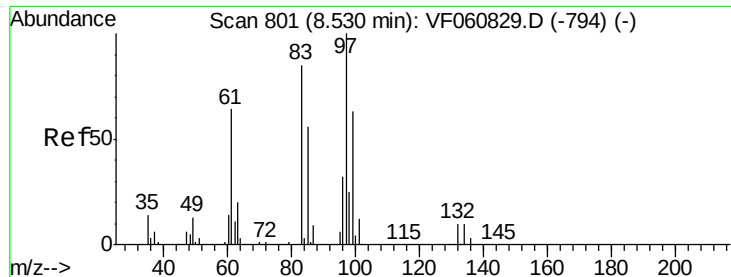
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#54
cis-1,3-Dichloropropene
Concen: 52.297 ug/l
RT: 7.33 min Scan# 679
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion: 75 Resp: 161749
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 64.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 53.730 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

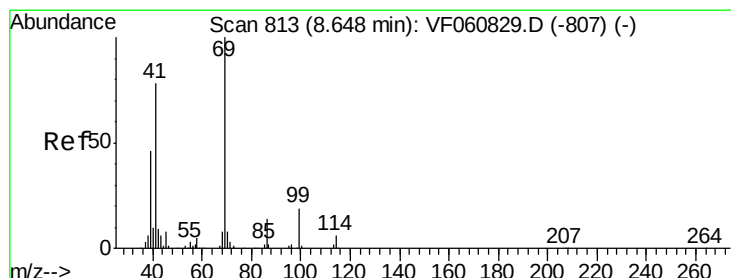
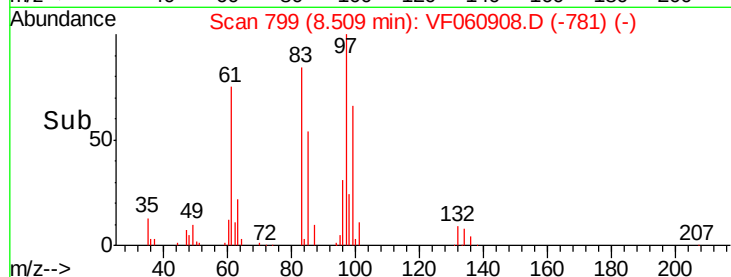
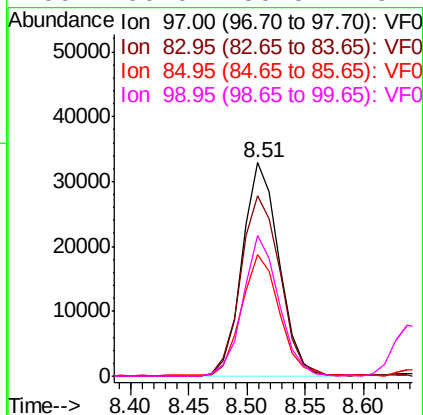
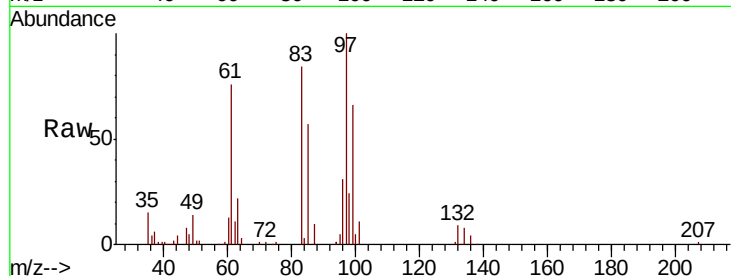
ClientSampleId :

S49-0483MSD

Tot Ion:	97	Resp:	72183
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.8	101.6
85	57.0	45.0	67.6
99	66.0	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 61.221 ug/l

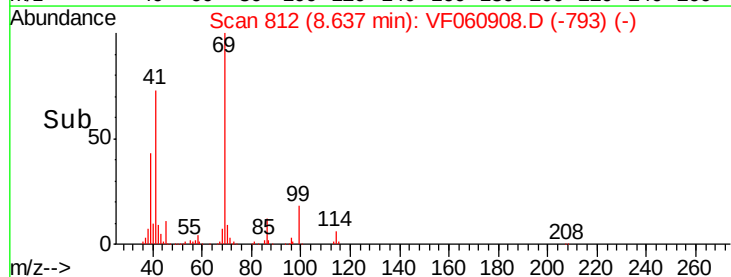
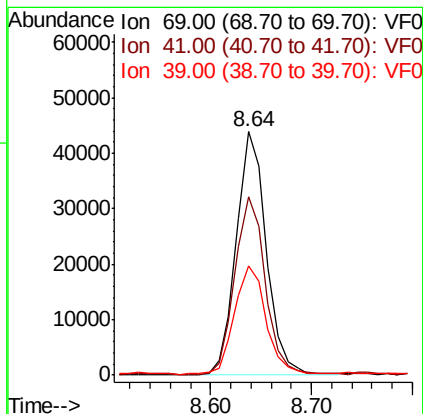
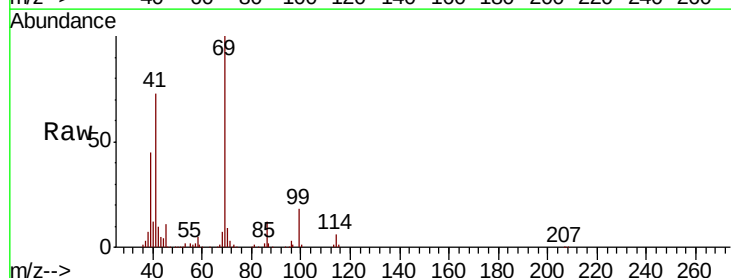
RT: 8.64 min Scan# 812

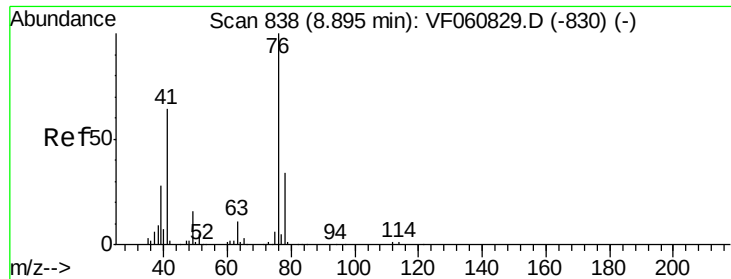
Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	69	Resp:	91365
Ion	Ratio	Lower	Upper
69	100		
41	73.3	62.6	94.0
39	45.0	37.8	56.6





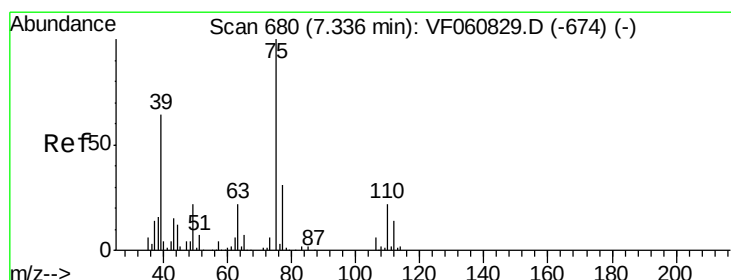
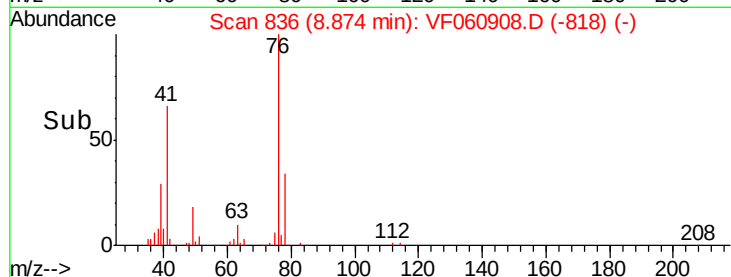
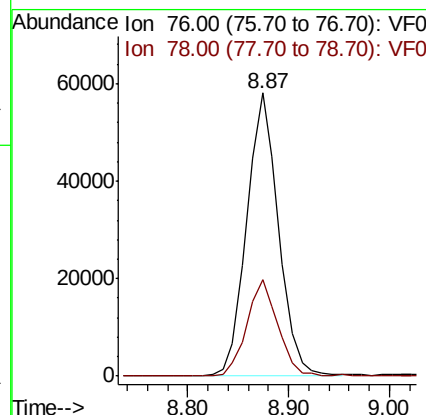
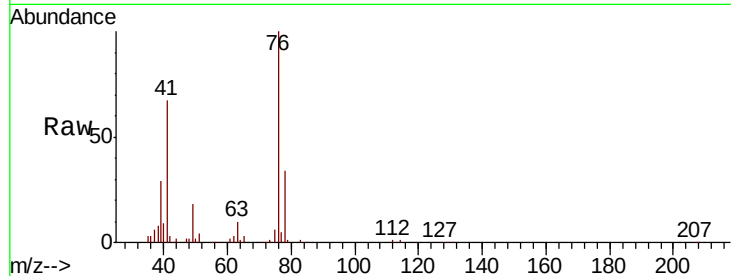
#57
 1,3-Dichloropropane
 Concen: 54.344 ug/l
 RT: 8.87 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion: 76 Resp: 127730
 Ion Ratio Lower Upper
 76 100
 78 34.2 27.0 40.4

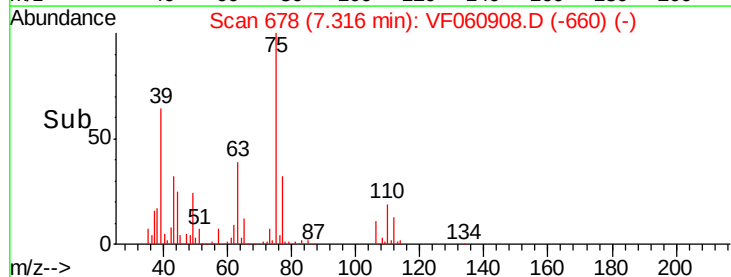
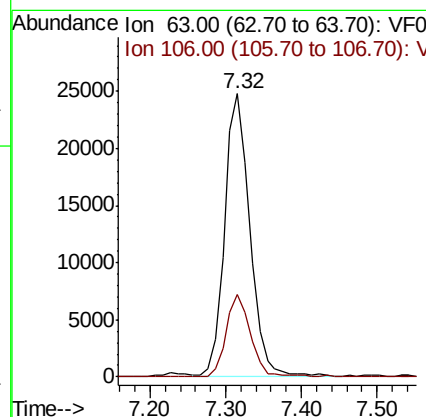
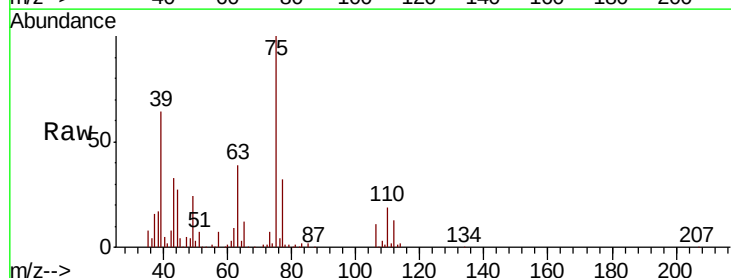
Manual Integrations
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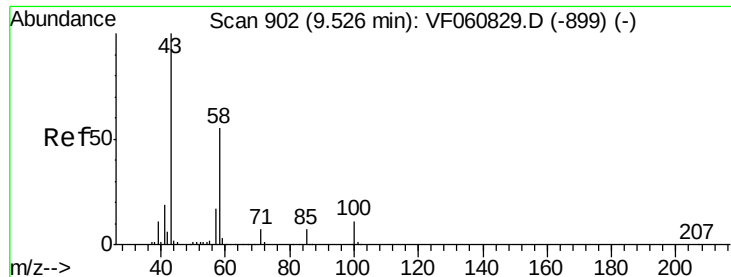
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#58
 2-Chloroethyl Vinyl ether
 Concen: 379.202 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion: 63 Resp: 57885
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.6





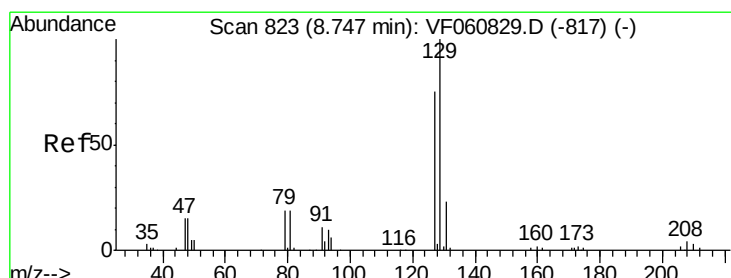
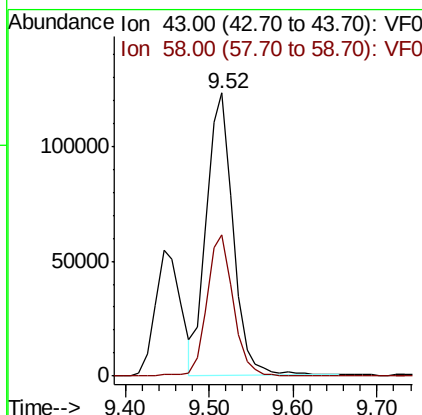
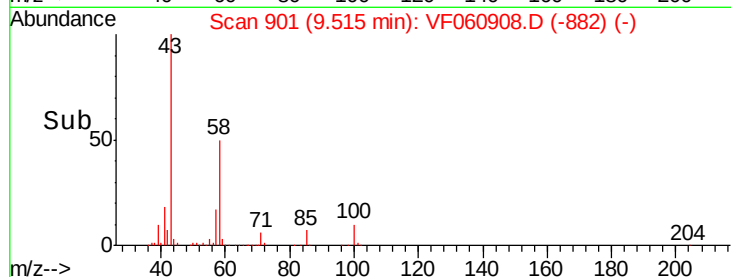
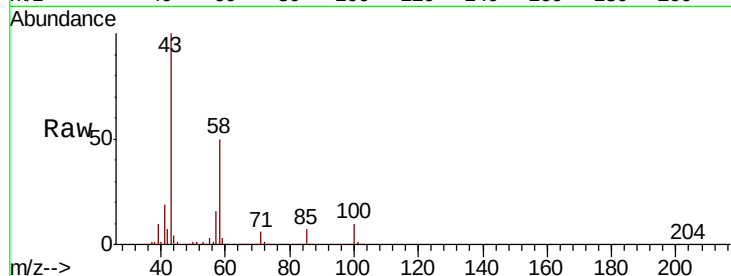
#59
2-Hexanone
Concen: 343.727 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion: 43 Resp: 268490
Ion Ratio Lower Upper
43 100
58 49.8 25.6 76.6

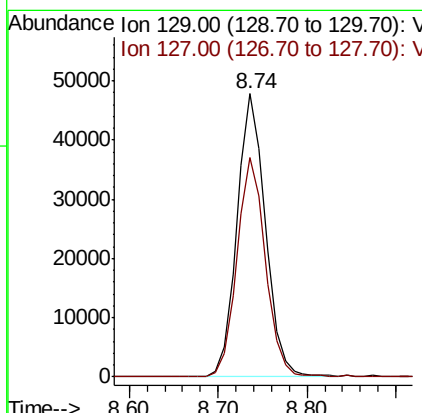
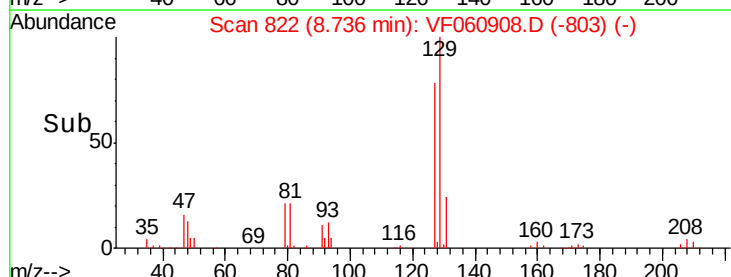
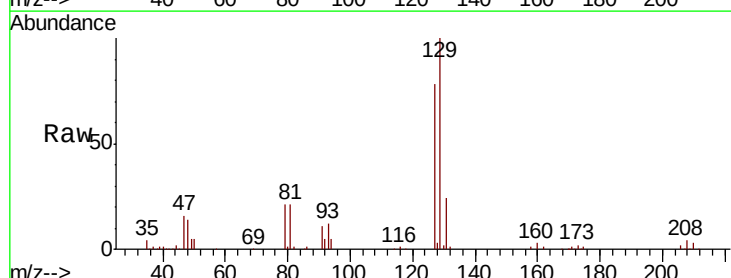
Manual Integrations
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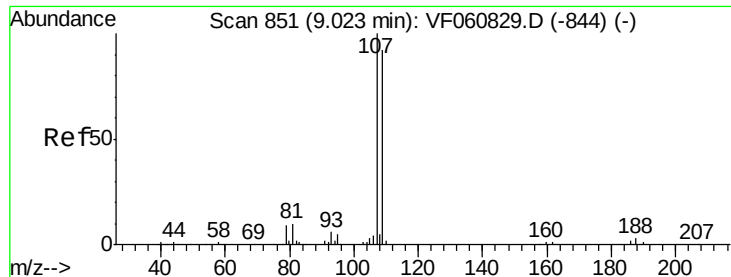
apatel
12/4/2018 2:52:36 PM



#60
Dibromochloromethane
Concen: 53.260 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion:129 Resp: 106610
Ion Ratio Lower Upper
129 100
127 77.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 54.928 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion:107 Resp: 79717

Ion Ratio Lower Upper

107 100

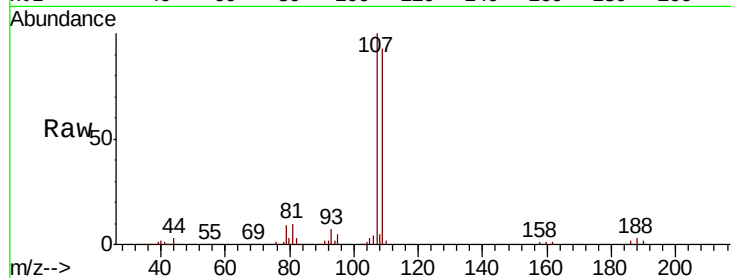
109 92.9 73.6 110.4

Manual Integrations

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apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.01

40000

30000

20000

10000

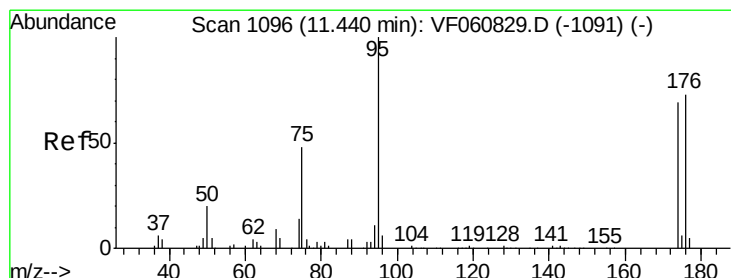
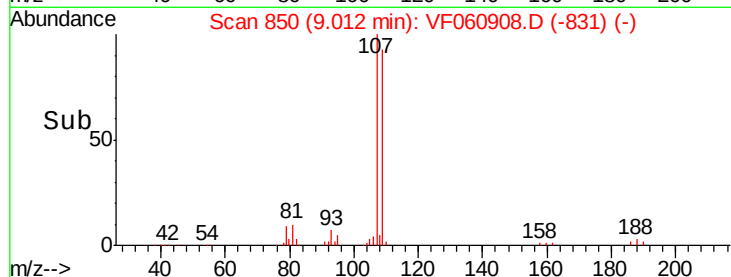
0

Time-->

8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 51.198 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

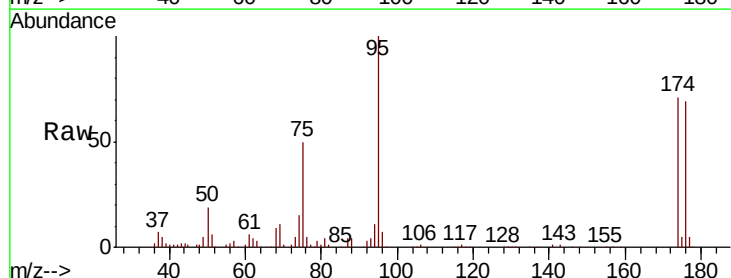
Tgt Ion: 95 Resp: 145659

Ion Ratio Lower Upper

95 100

174 70.7 0.0 138.2

176 69.5 0.0 146.2



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

11.43

100000

80000

60000

40000

20000

0

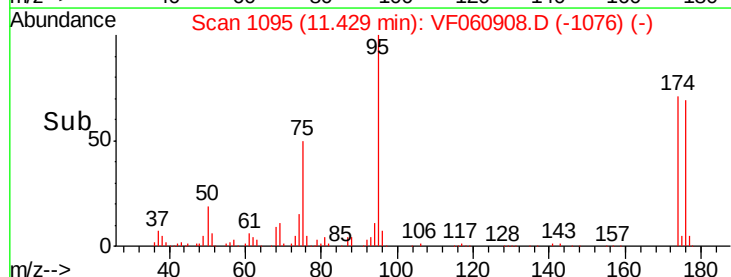
Time-->

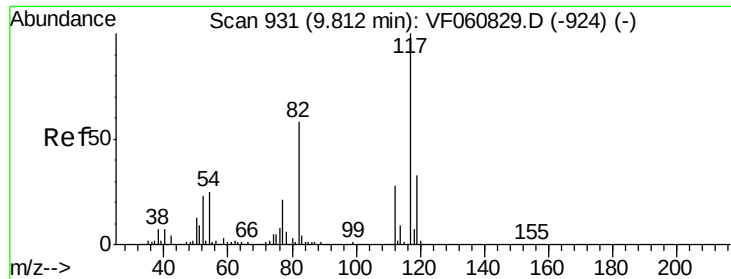
11.30

11.40

11.50

11.60





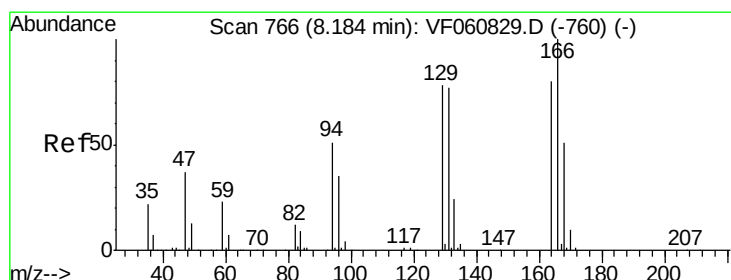
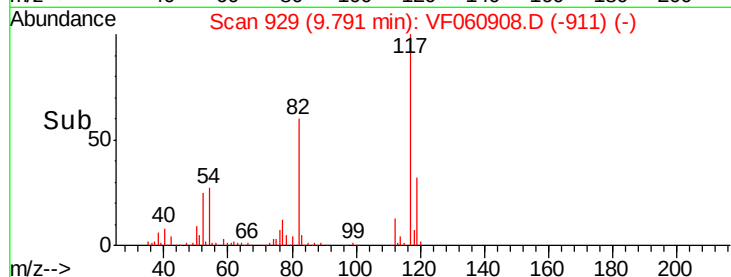
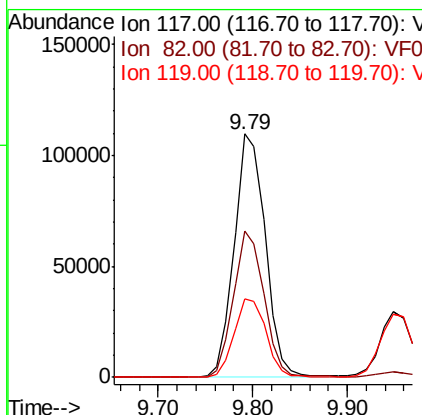
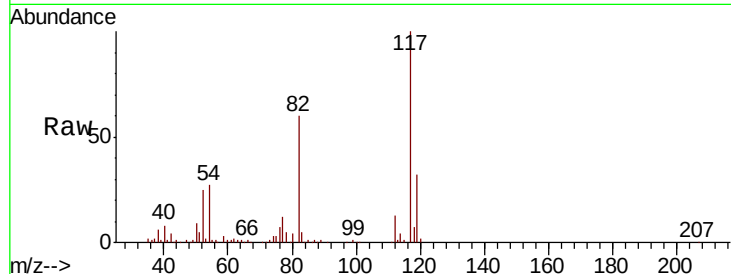
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251193		
82	60.2	46.6	69.8	
119	32.3	26.4	39.6	

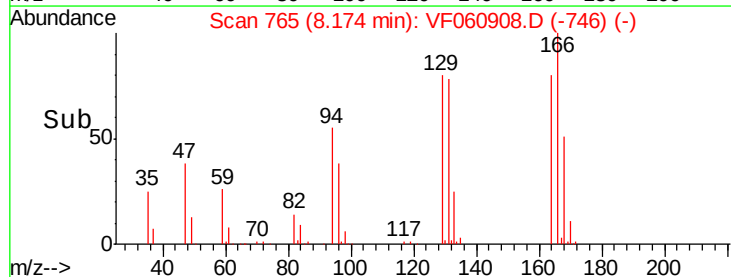
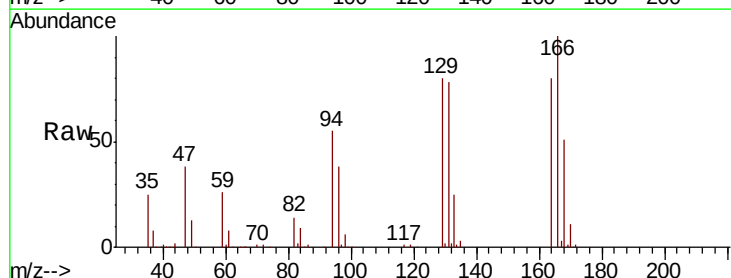
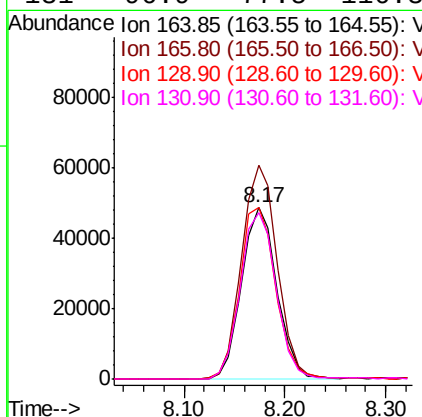
Manual Integrations
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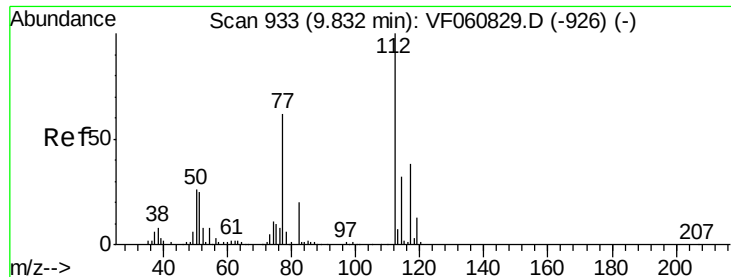
apatel
12/4/2018 2:52:36 PM



#64
Tetrachloroethene
Concen: 61.870 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118704		
166	124.6	100.3	150.5	
129	100.0	77.9	116.9	
131	96.9	77.5	116.3	





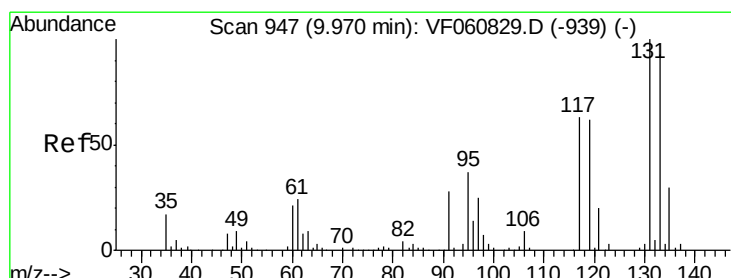
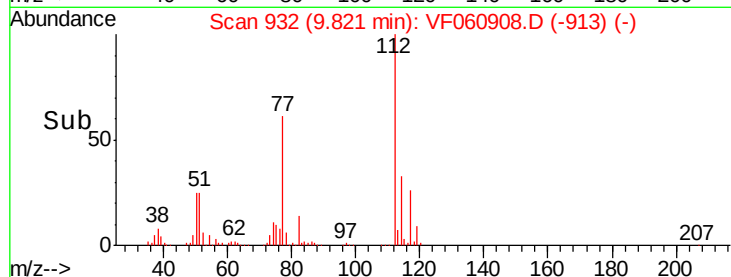
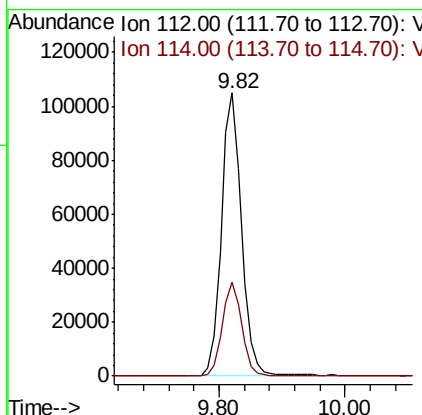
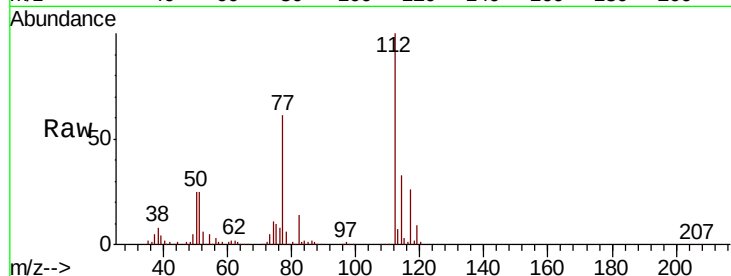
#65
Chlorobenzene
Concen: 47.988 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion:112 Resp: 234504
Ion Ratio Lower Upper
112 100
114 33.4 26.0 39.0

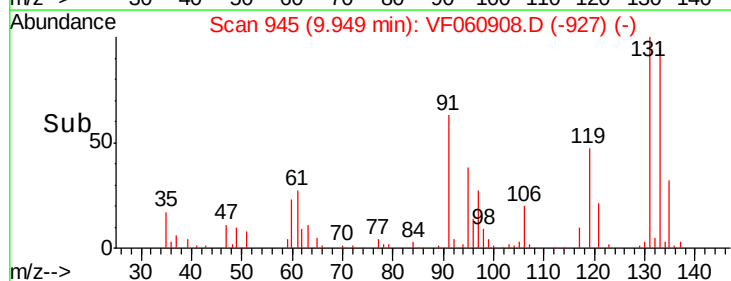
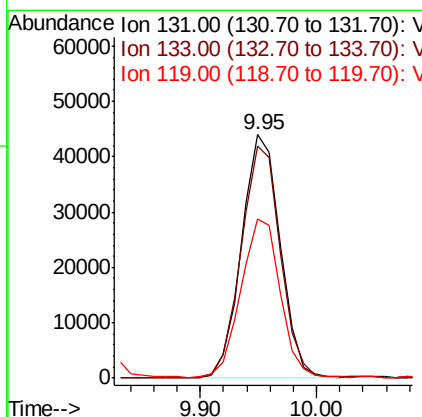
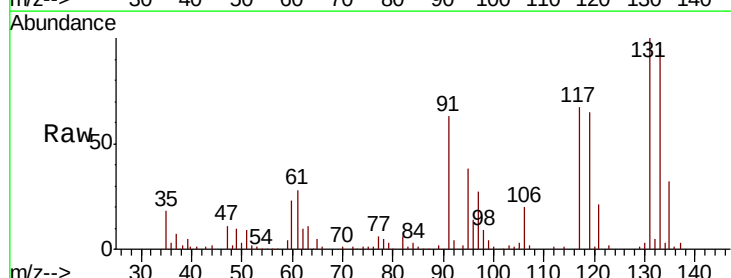
Manual Integrations
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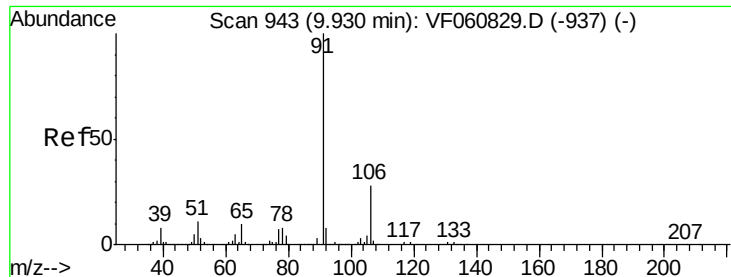
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.132 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion:131 Resp: 101115
Ion Ratio Lower Upper
131 100
133 95.1 46.5 139.3
119 65.3 31.1 93.3





#67

Ethyl Benzene

Concen: 45.978 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 91 Resp: 418281

Ion Ratio Lower Upper

91 100

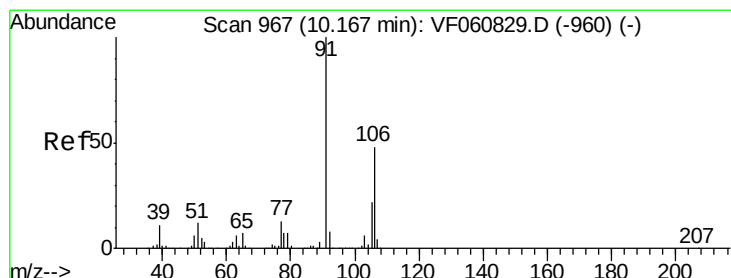
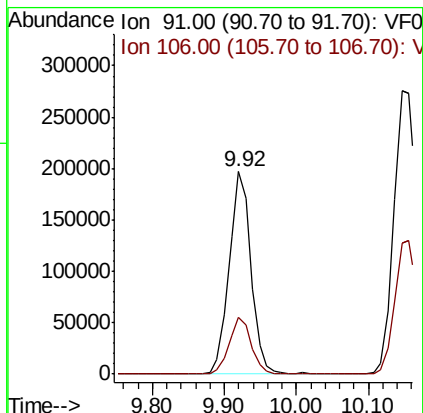
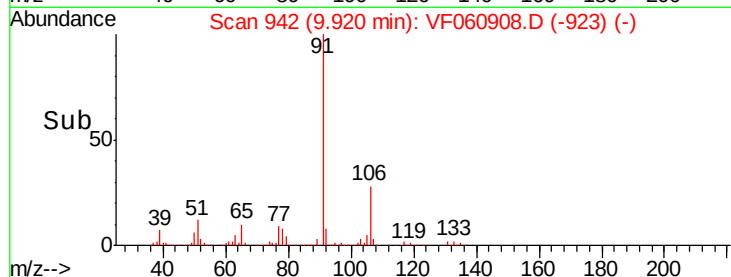
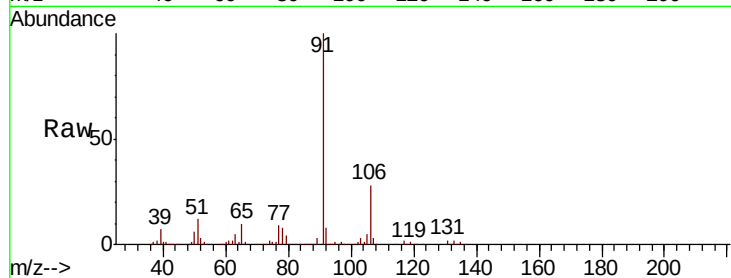
106 28.1 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 89.547 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060908.D

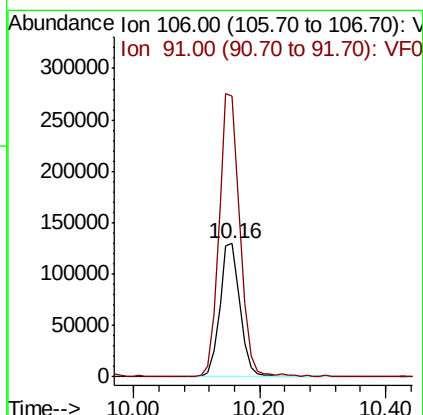
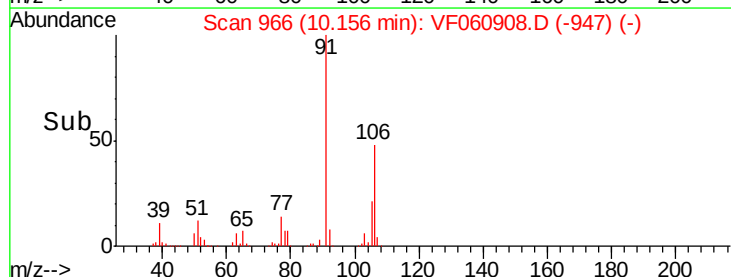
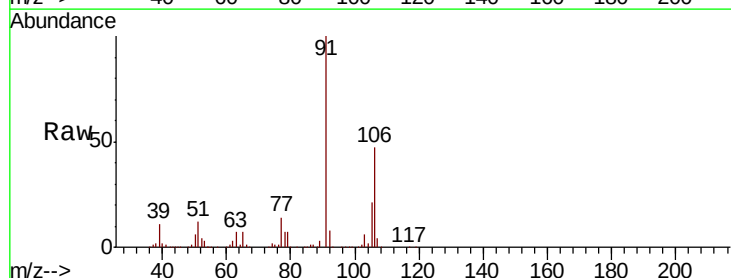
Acq: 3 Dec 2018 23:10

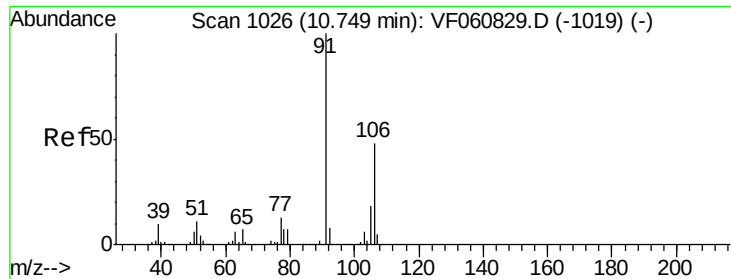
Tgt Ion: 106 Resp: 293000

Ion Ratio Lower Upper

106 100

91 211.2 166.7 250.1





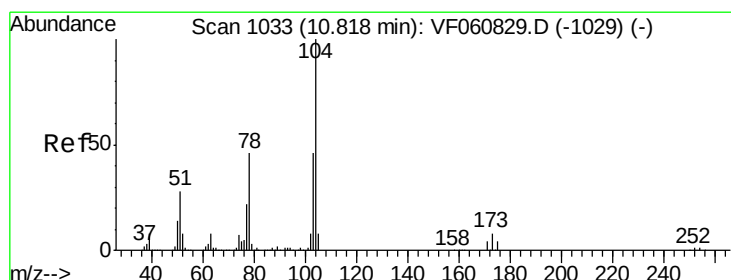
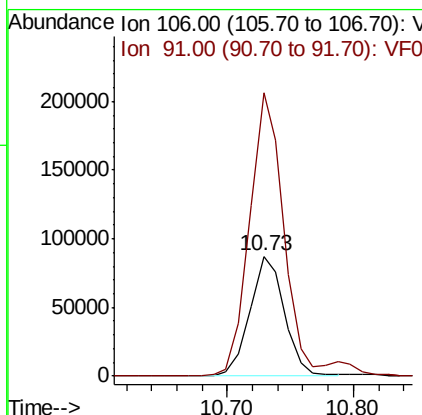
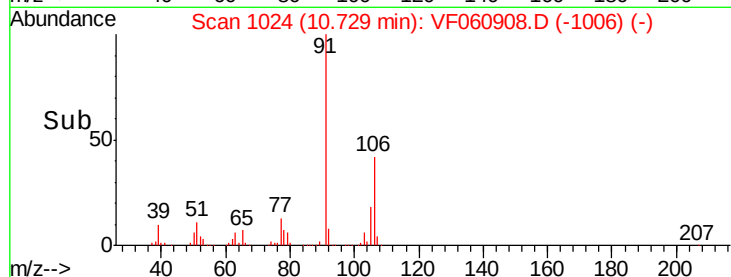
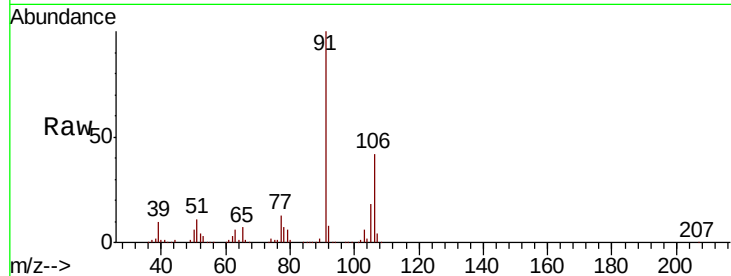
#69
o-Xylene
Concen: 45.929 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		165715		
91	236.1	104.8	314.6		

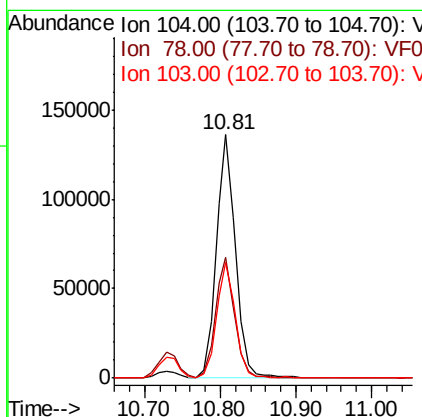
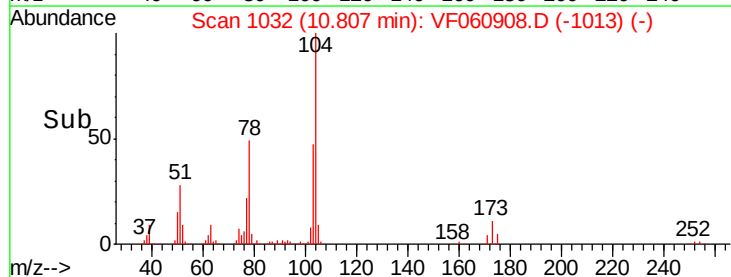
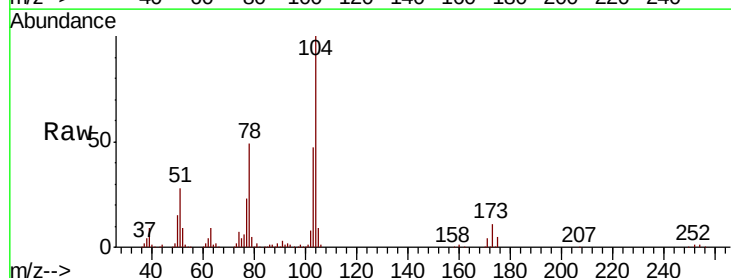
Manual Integrations
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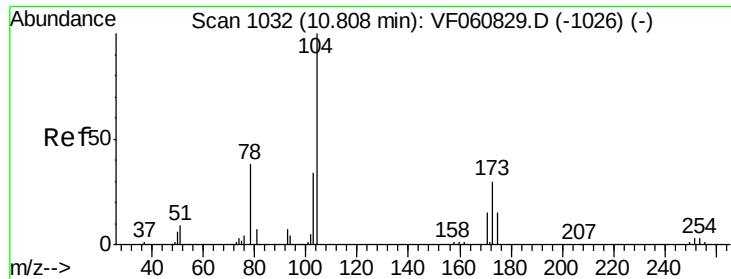
apatel
12/4/2018 2:52:36 PM



#70
Styrene
Concen: 48.270 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		241426		
78	49.5	37.3	55.9		
103	47.3	36.8	55.2		





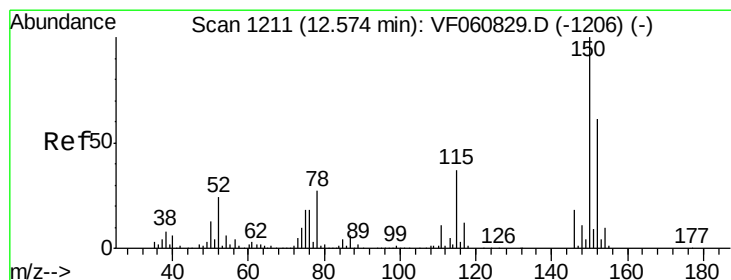
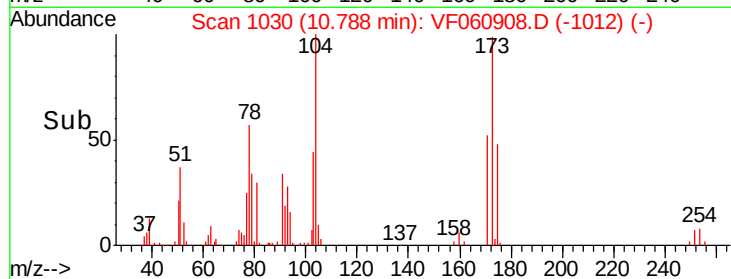
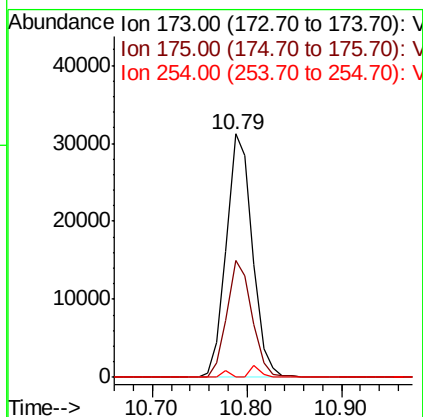
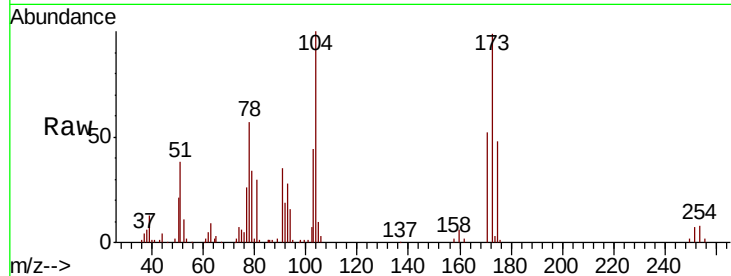
#71
Bromoform
Concen: 58.997 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	25.5	76.5
254	0.0	7.5	11.3

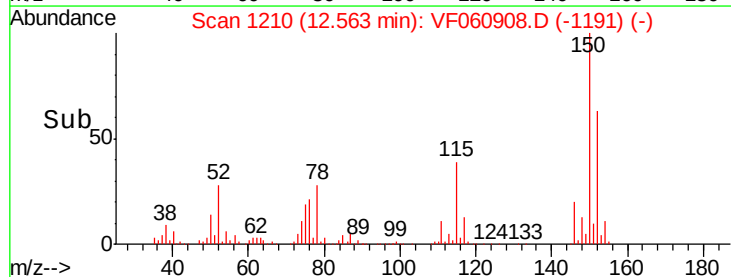
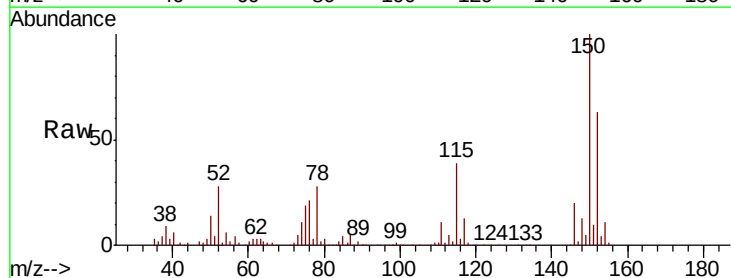
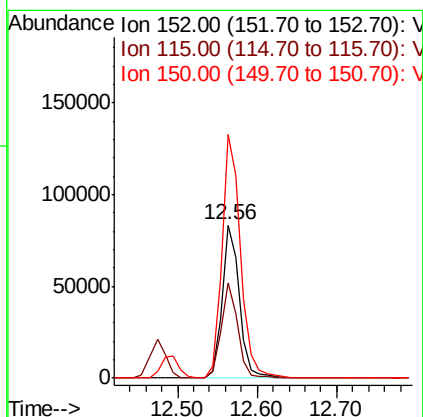
Manual Integrations
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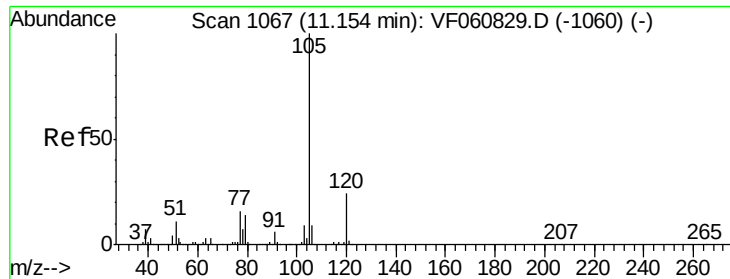
apatel
12/4/2018 2:52:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.1	90.5
150	159.0	0.0	327.6





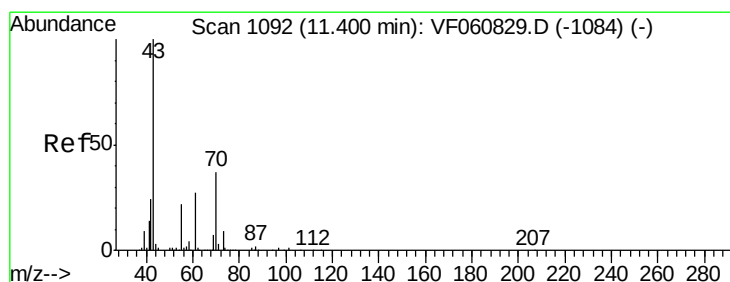
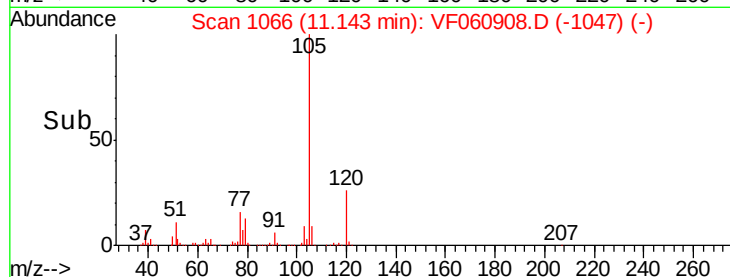
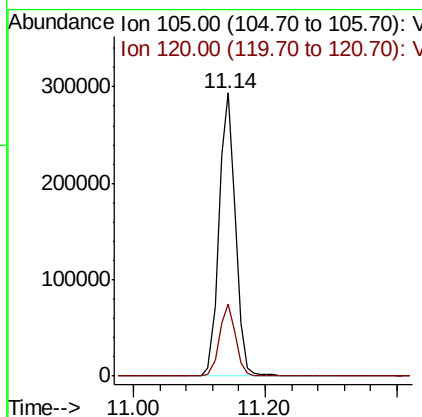
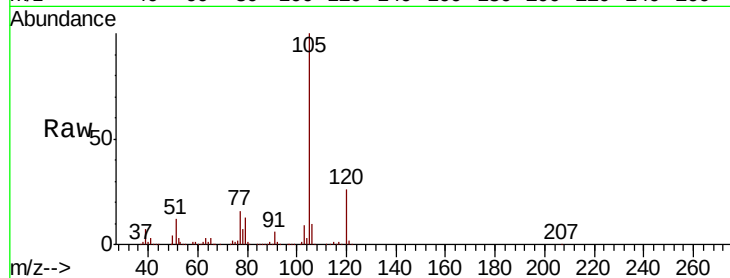
#73
Isopropylbenzene
Concen: 50.447 ug/l
RT: 11.14 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.2	36.4

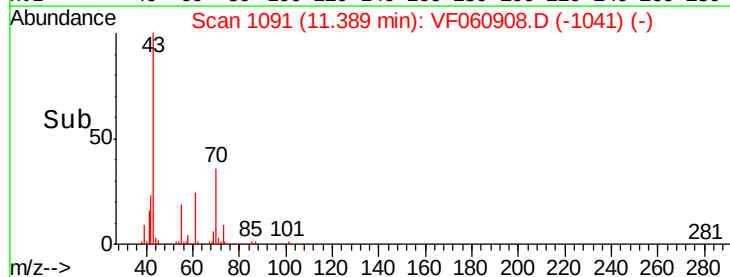
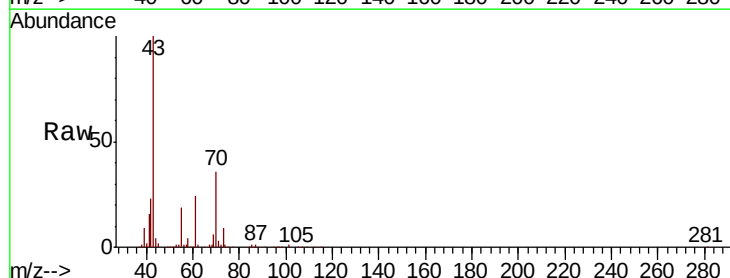
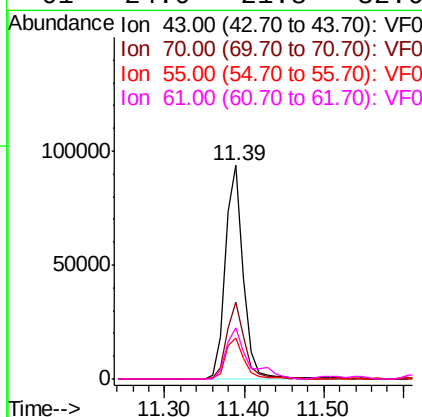
Manual Integrations
APPROVED

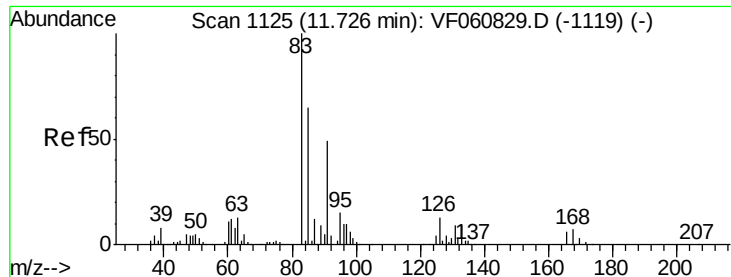
apatel
12/4/2018 2:52:36 PM



#74
N-ethyl acetate
Concen: 64.121 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	29.6	44.4
55	19.1	17.2	25.8
61	24.0	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.575 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

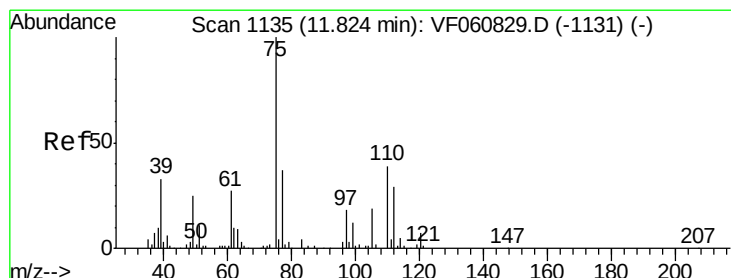
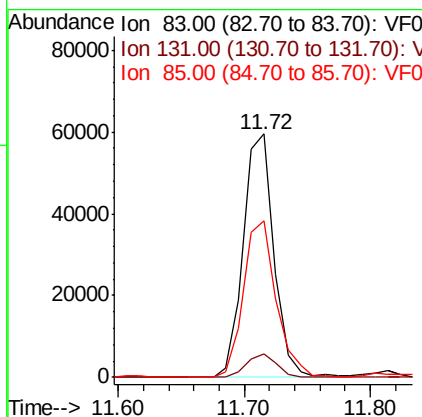
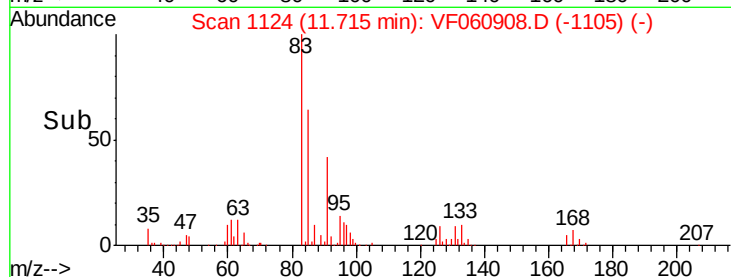
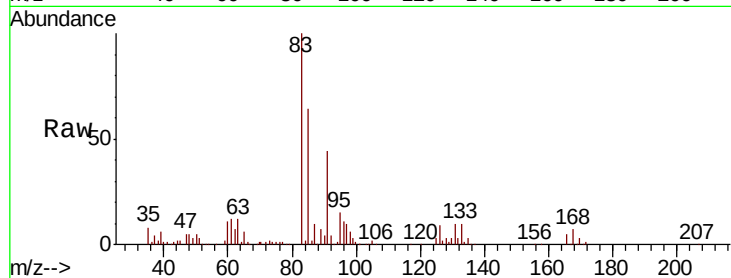
ClientSampleId :

S49-0483MSD

Tot Ion:	83	Resp:	100516
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	64.2	32.6	97.8

Manual Integrations
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apatel
12/4/2018 2:52:36 PM



#76

1,2,3-Trichloropropane

Concen: 64.725 ug/l

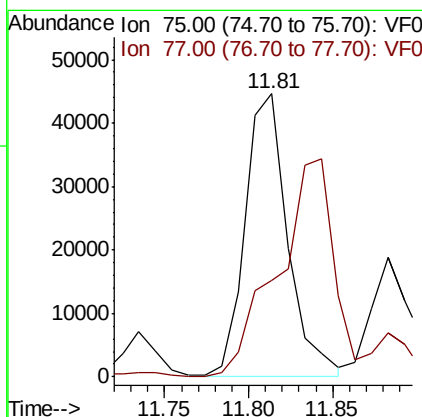
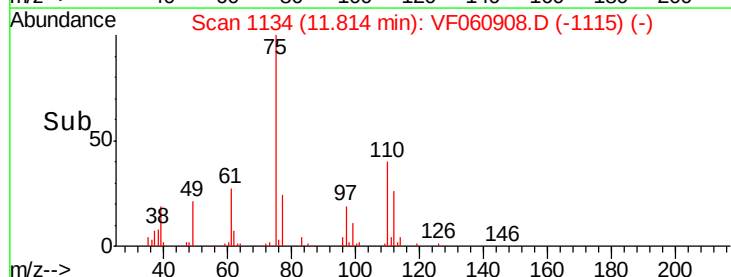
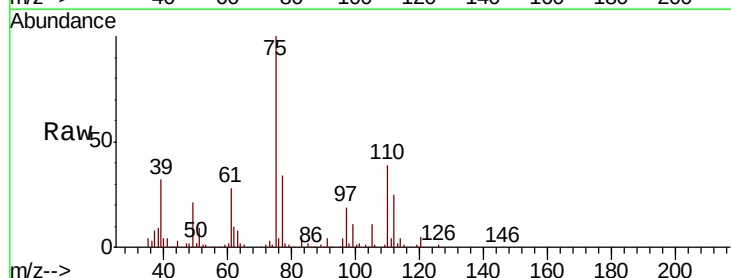
RT: 11.81 min Scan# 1134

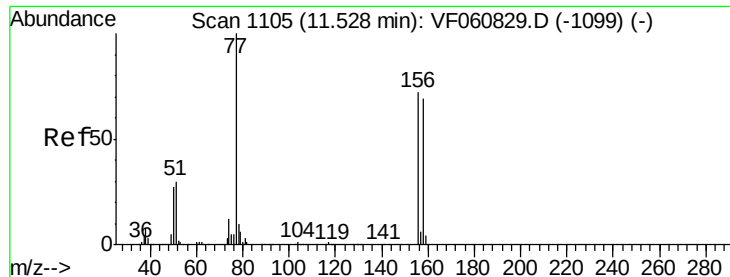
Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Tgt Ion:	75	Resp:	78066
Ion Ratio	Lower	Upper	
75	100		
77	34.3	18.4	55.4





#77

Bromobenzene

Concen: 50.375 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

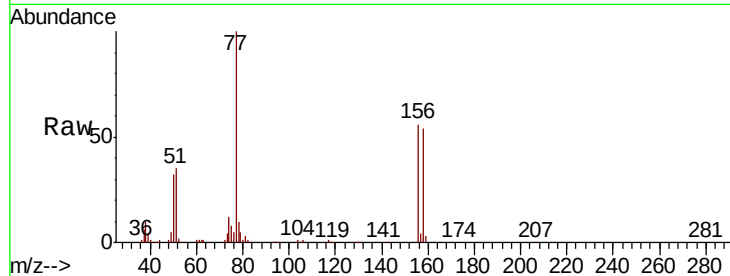
ClientSampleId :

S49-0483MSD

Tot Ion:	156	Resp:	111351
Ion Ratio	Lower	Upper	
156	100		
77	178.7	69.7	209.0
158	95.9	47.8	143.4

Manual Integrations
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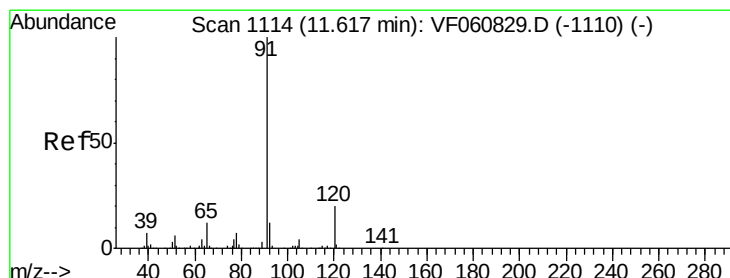
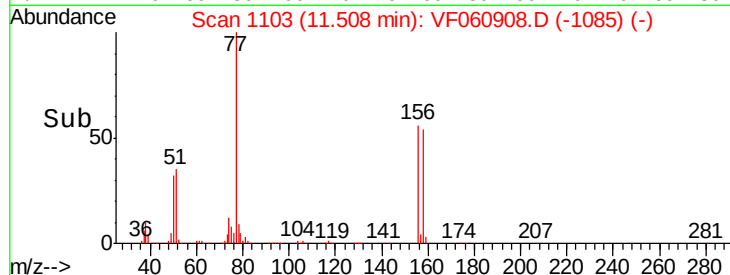
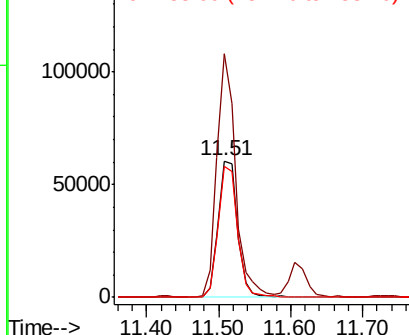


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.766 ug/l

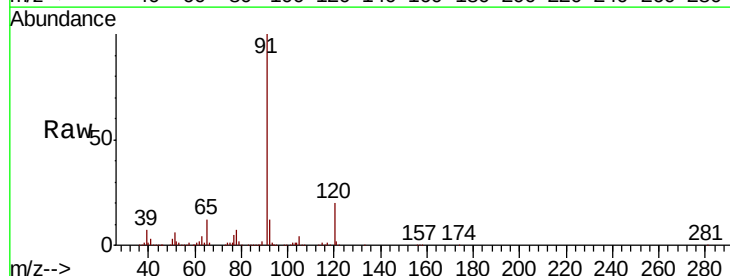
RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

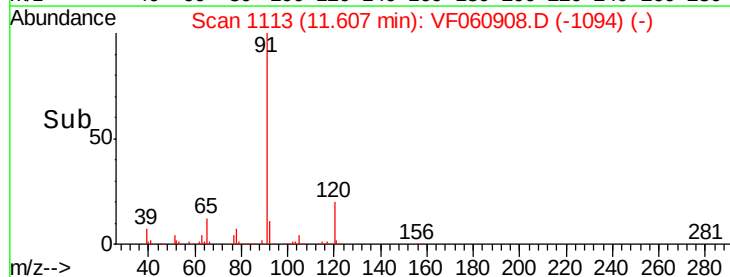
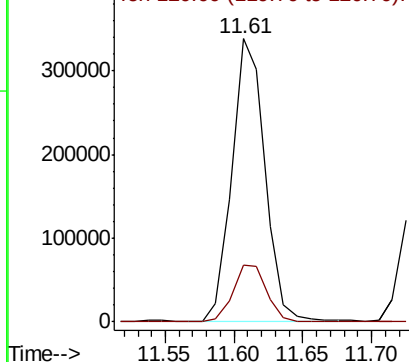
Tgt Ion:	91	Resp:	563990
Ion Ratio	Lower	Upper	
91	100		
120	20.0	10.3	30.8

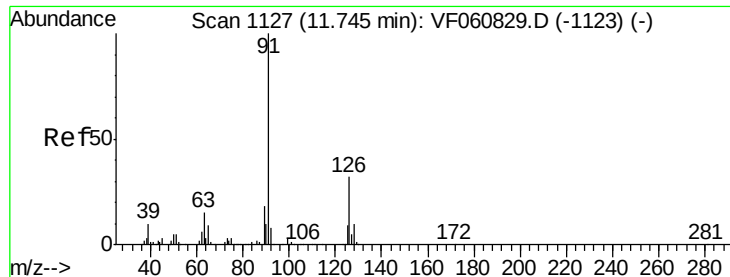


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.793 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060908.D

Acq: 3 Dec 2018 23:10

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 91 Resp: 330336

Ion Ratio Lower Upper

91 100

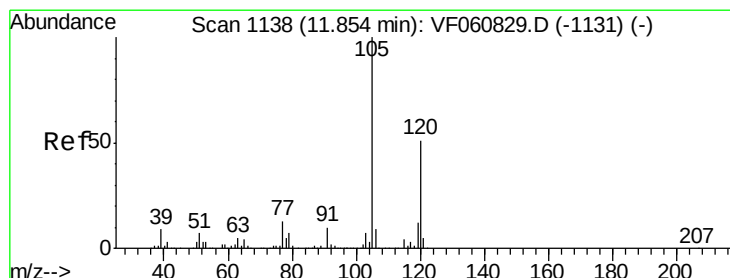
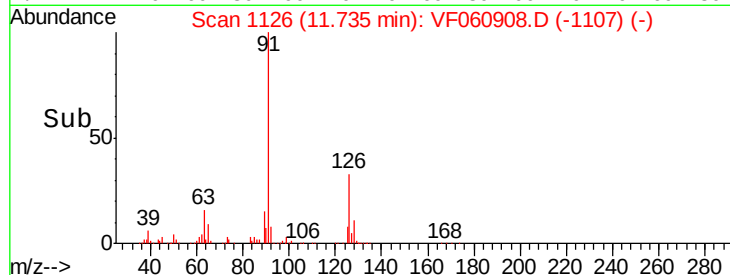
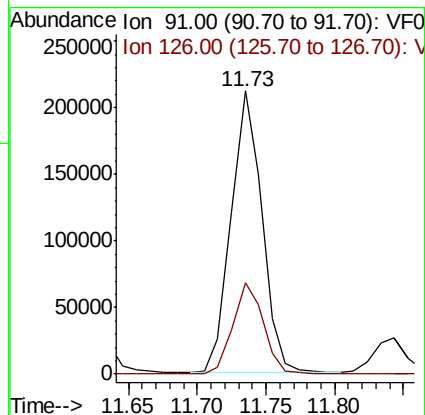
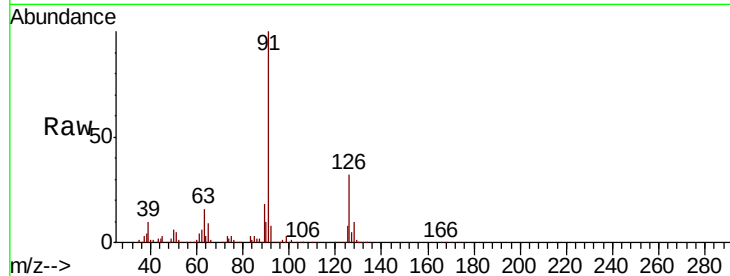
126 32.3 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.231 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060908.D

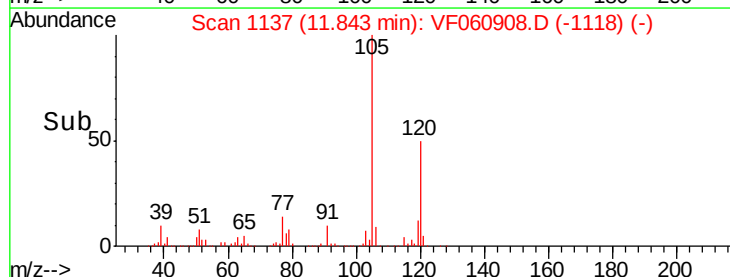
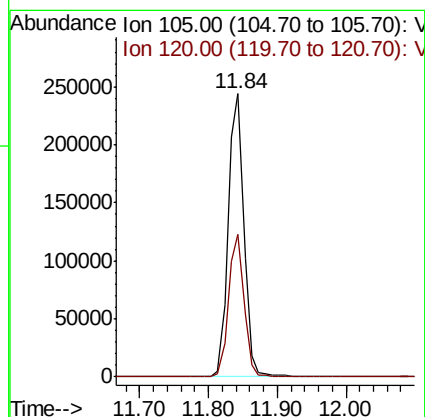
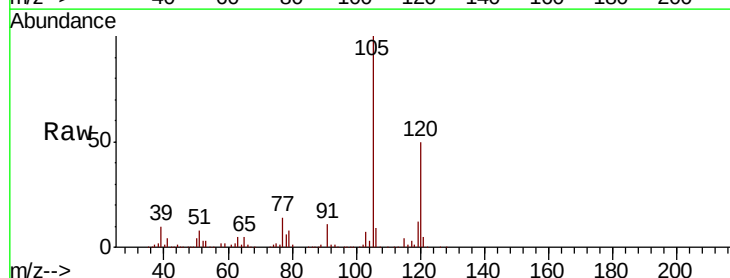
Acq: 3 Dec 2018 23:10

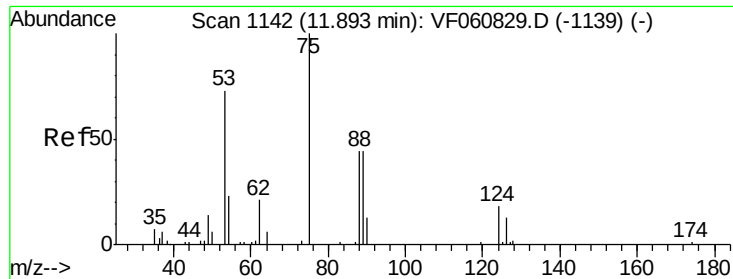
Tgt Ion: 105 Resp: 386590

Ion Ratio Lower Upper

105 100

120 50.3 25.8 77.3





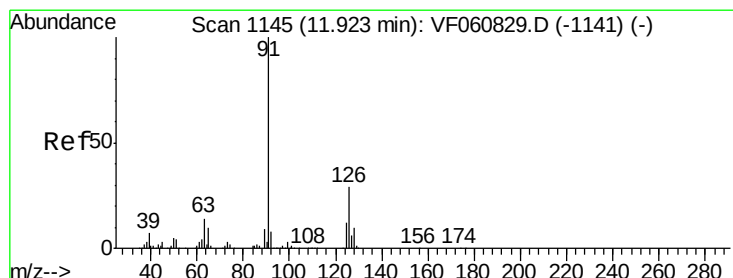
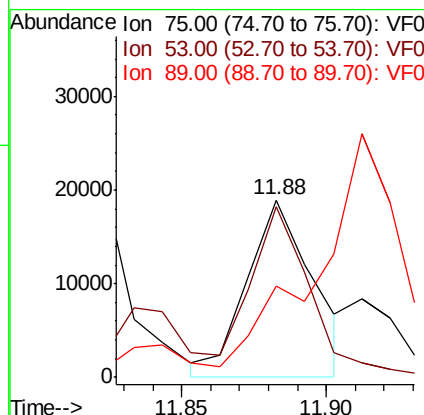
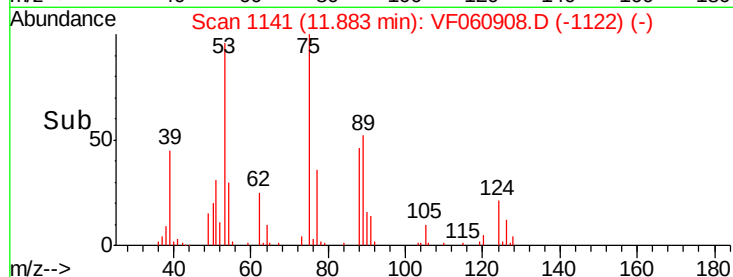
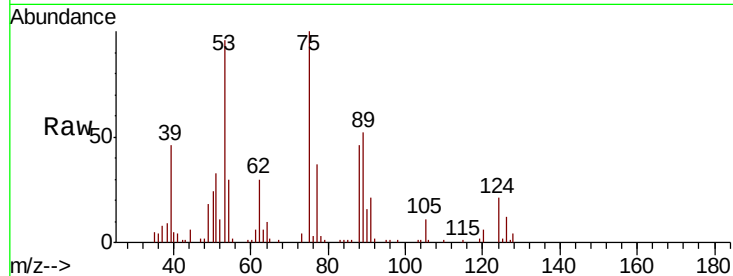
#81
trans-1,4-Dichloro-2-butene
Concen: 50.907 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	65.9	98.9
89	51.6	38.8	58.2

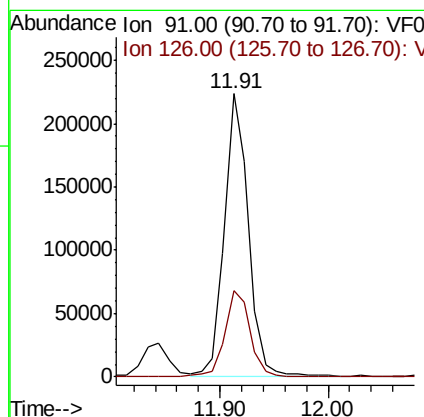
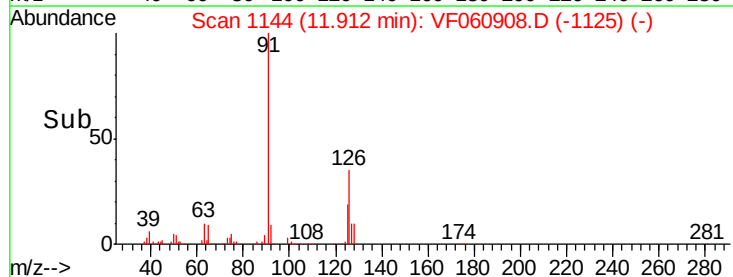
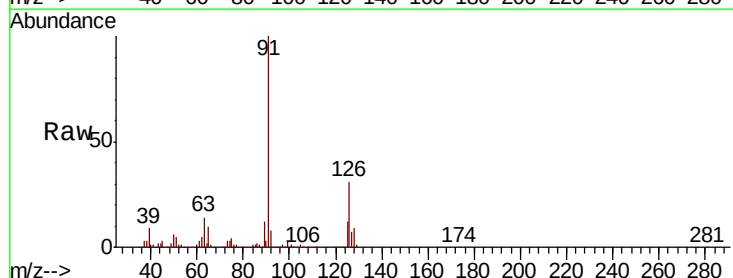
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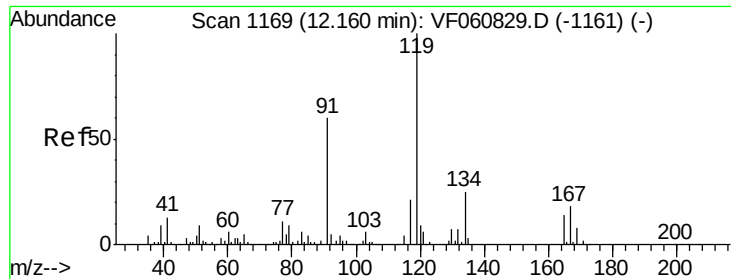
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#82
4-Chlorotoluene
Concen: 47.881 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.8	44.4





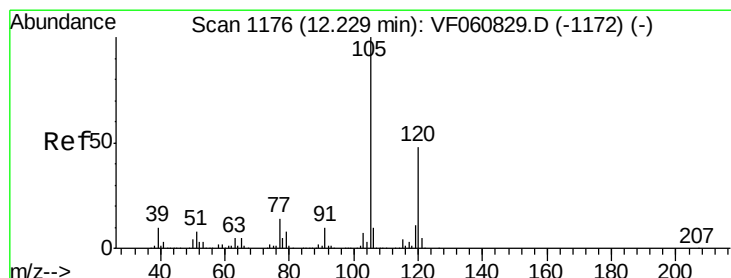
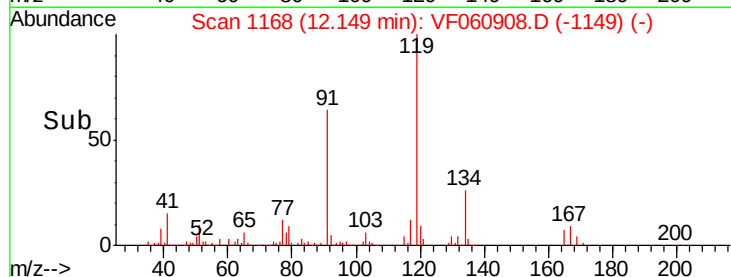
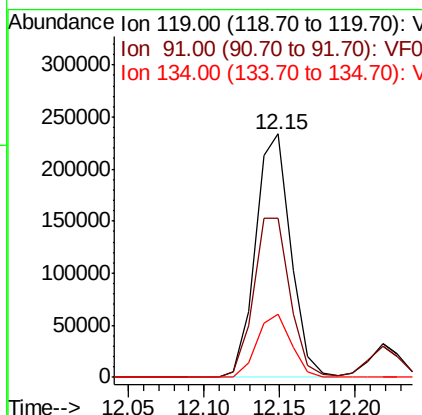
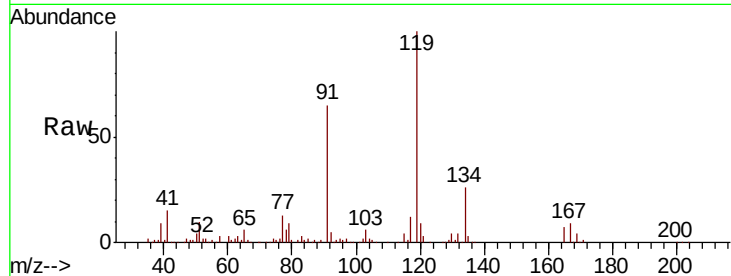
#83
 tert-Butylbenzene
 Concen: 45.785 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381737		
91	65.5	30.1	90.3	
134	25.7	12.6	37.8	

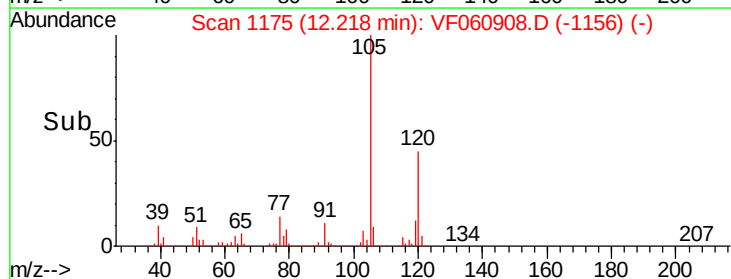
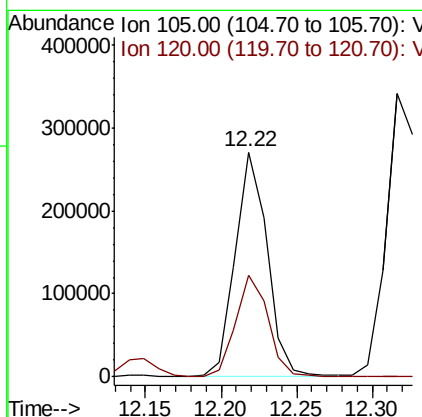
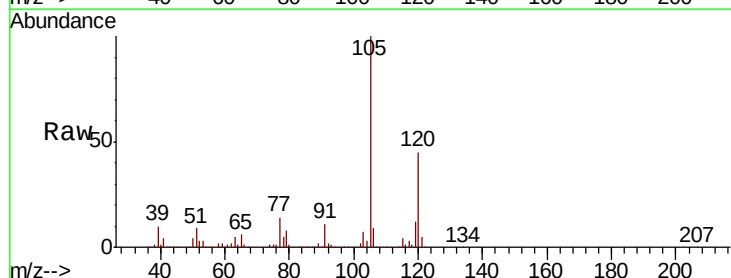
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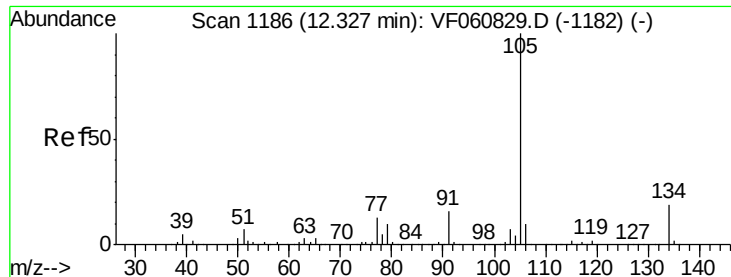
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.707 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	397882		
120	45.2	23.8	71.5	





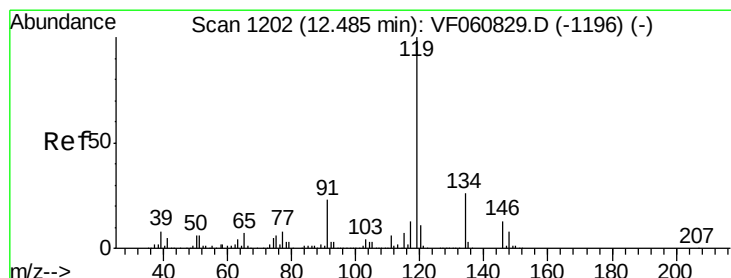
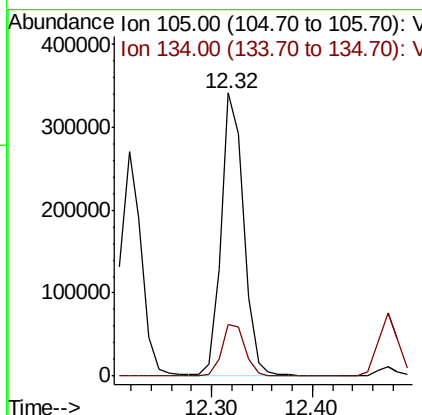
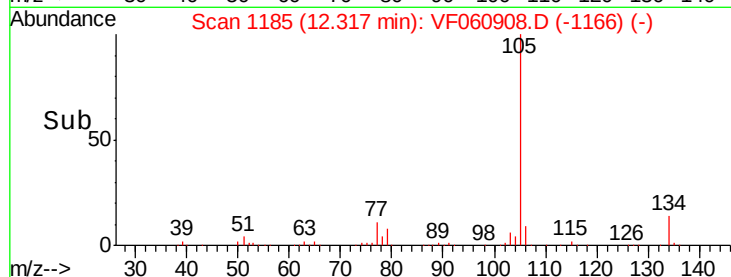
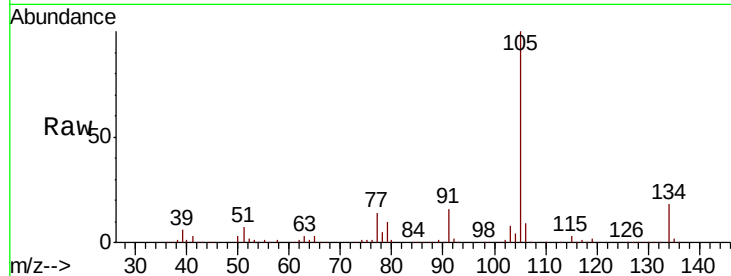
#85
 sec-Butylbenzene
 Concen: 46.415 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.5	28.5

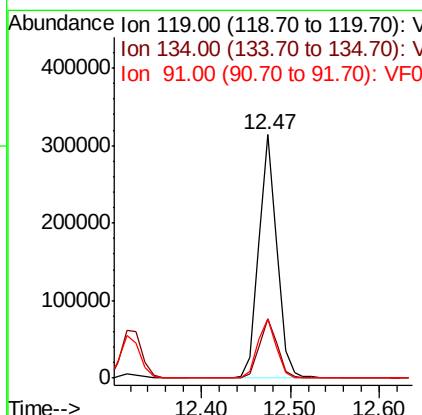
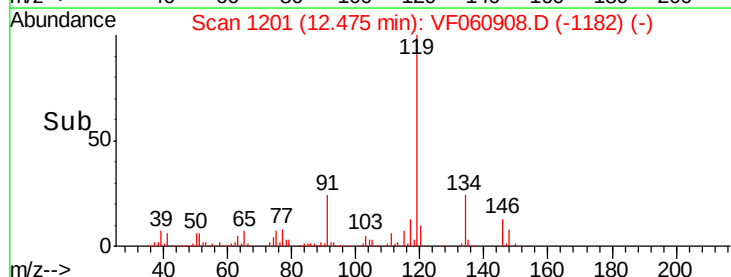
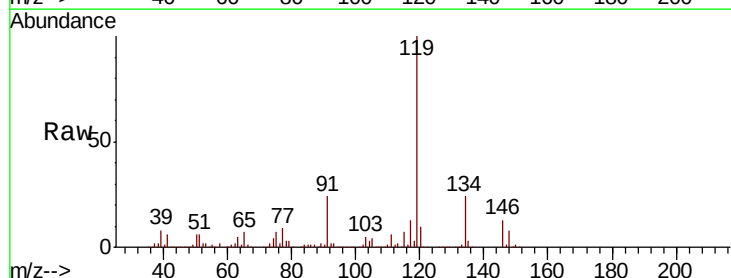
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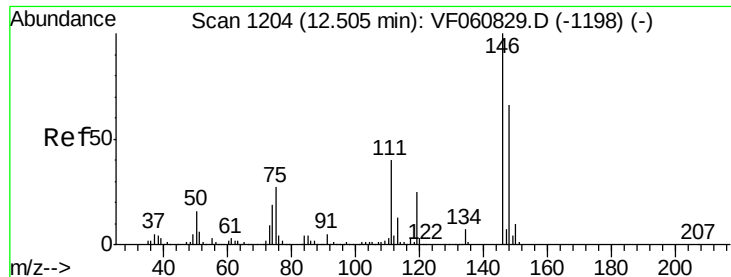
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#86
 p-Isopropyltoluene
 Concen: 45.717 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.9	38.6
91	24.2	11.8	35.3





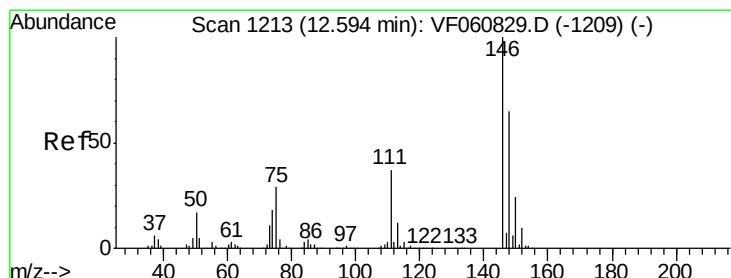
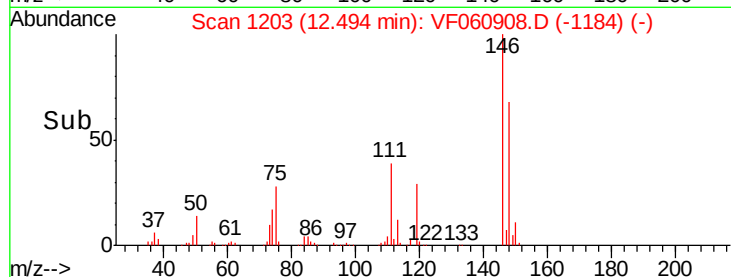
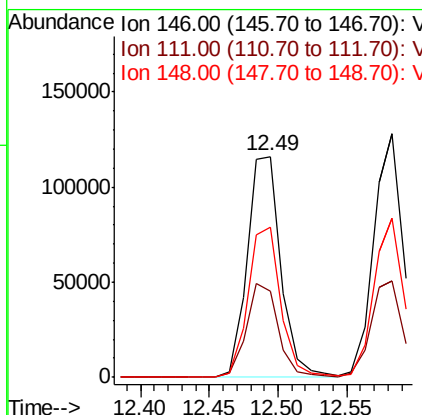
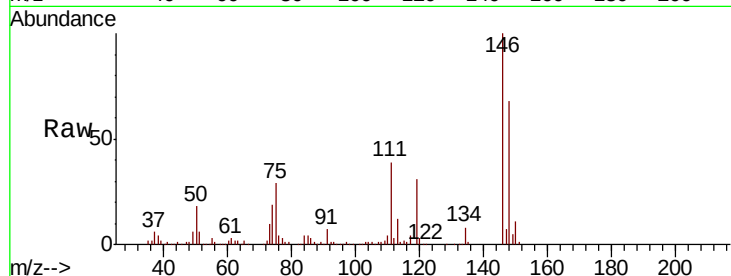
#87
 1,3-Dichlorobenzene
 Concen: 47.286 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	68.1	32.9	98.6

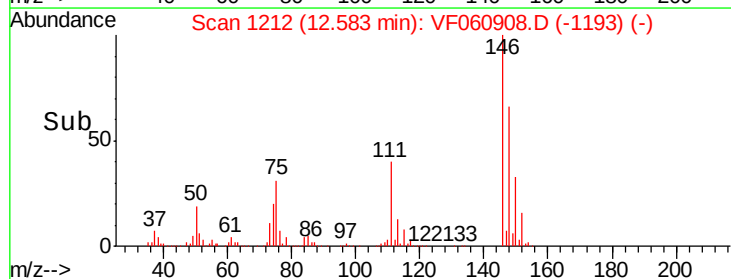
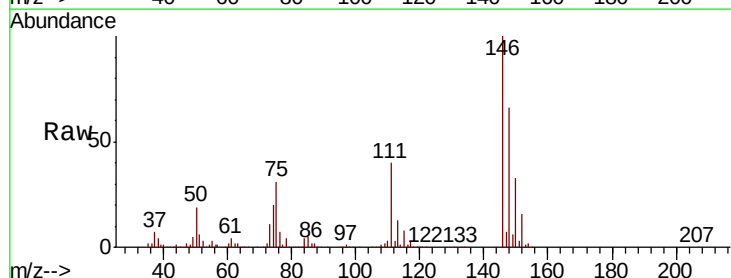
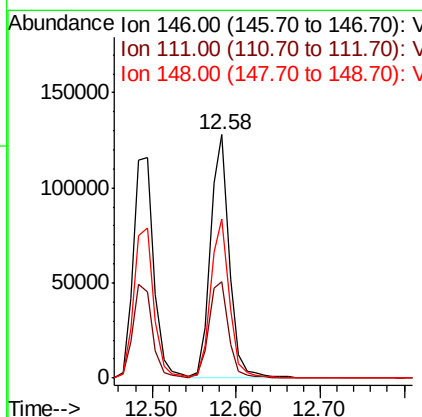
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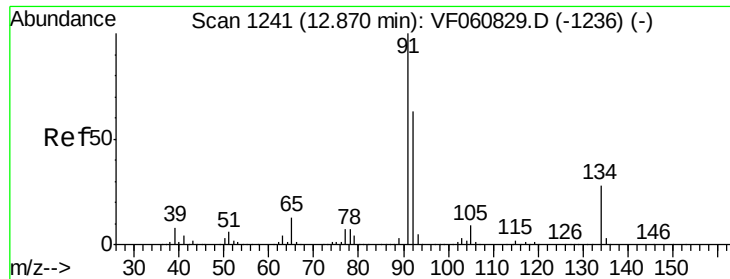
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#88
 1,4-Dichlorobenzene
 Concen: 48.273 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.7
148	65.5	32.3	96.9





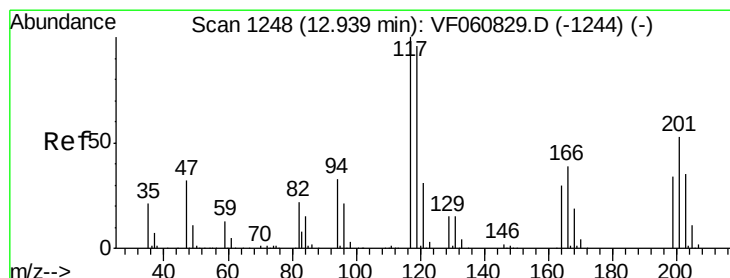
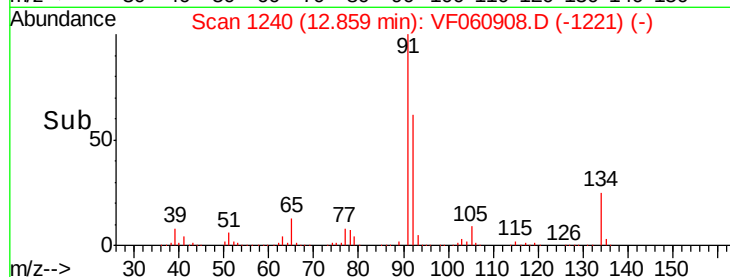
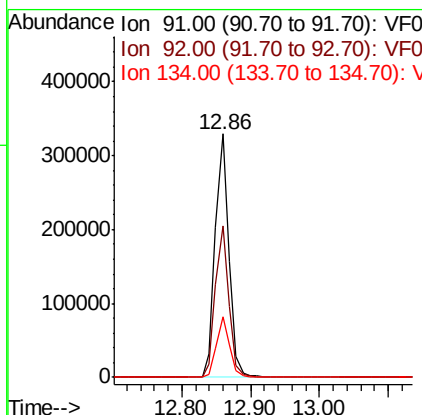
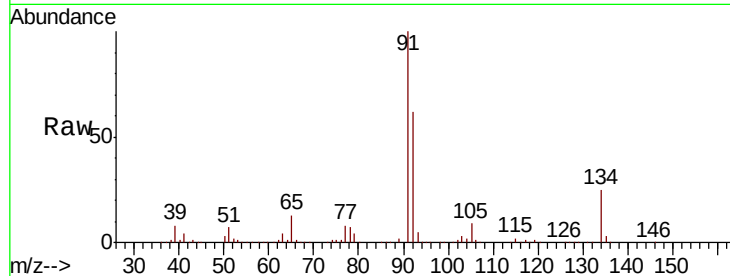
#89
n-Butylbenzene
Concen: 46.738 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.4	31.6	94.7
134	25.1	13.8	41.4

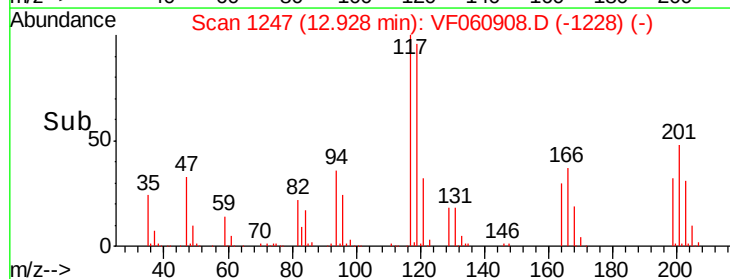
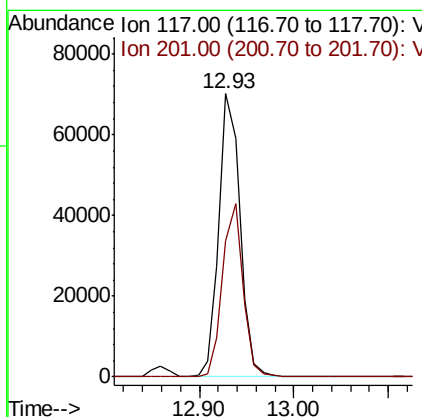
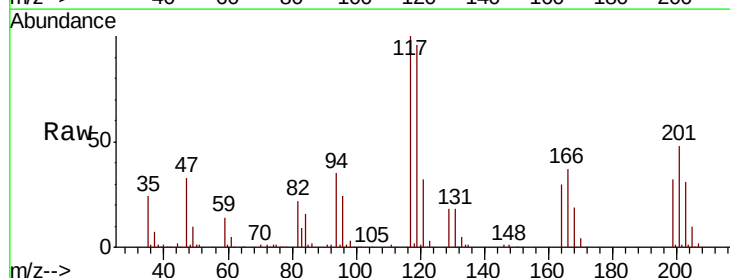
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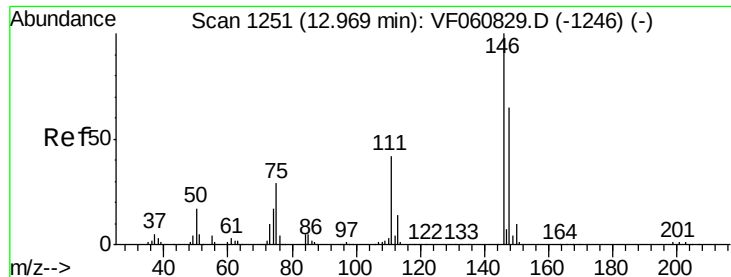
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#90
Hexachloroethane
Concen: 47.655 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	47.9	26.7	80.1





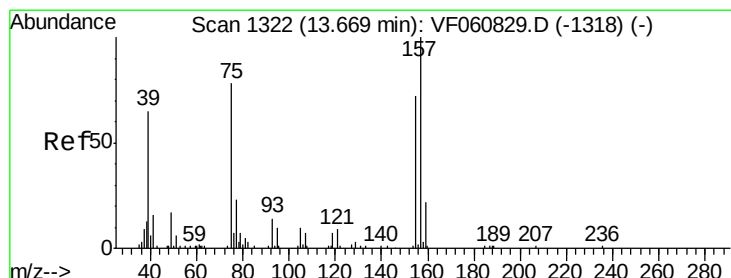
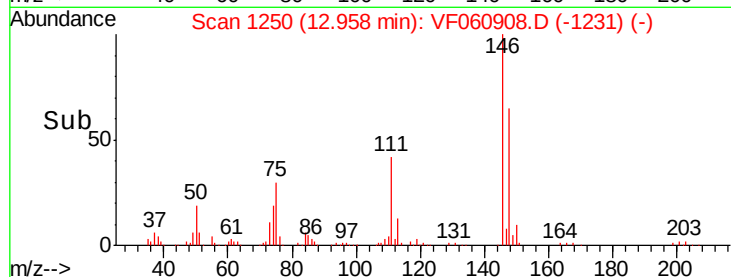
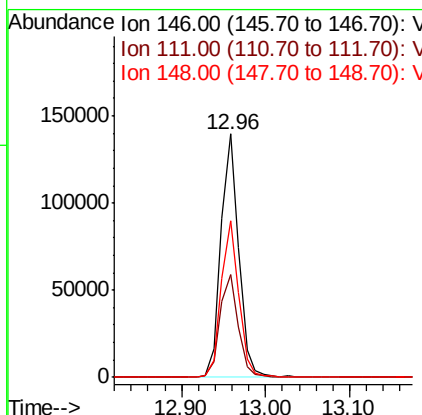
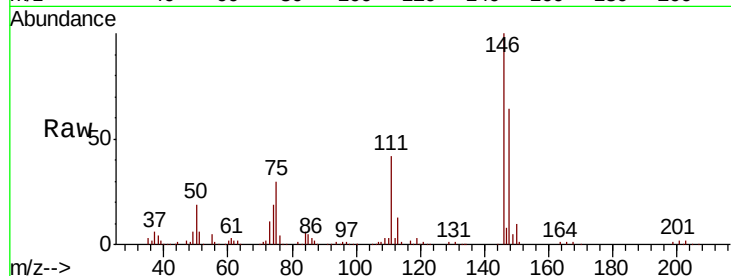
#91
 1,2-Dichlorobenzene
 Concen: 51.809 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	206291		
111	42.0		21.2	63.6
148	64.5		32.5	97.5

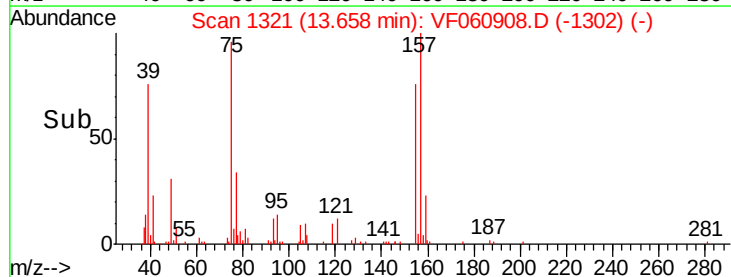
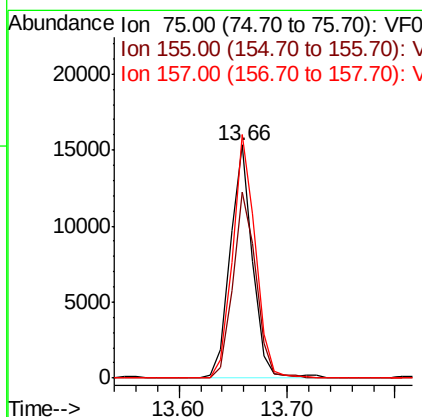
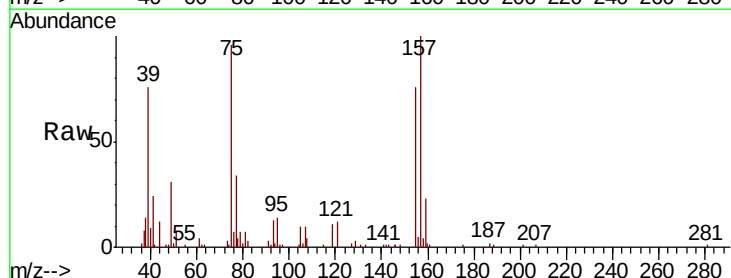
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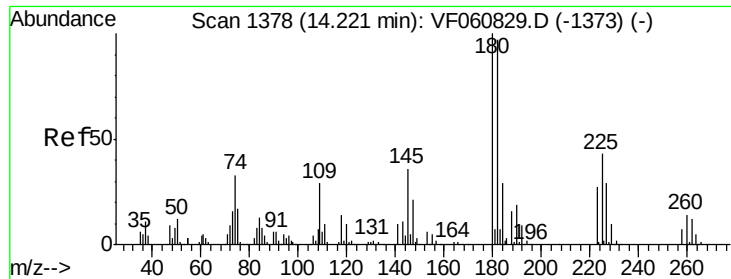
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 68.531 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21986		
155	79.7		45.6	136.9
157	104.5		63.8	191.5





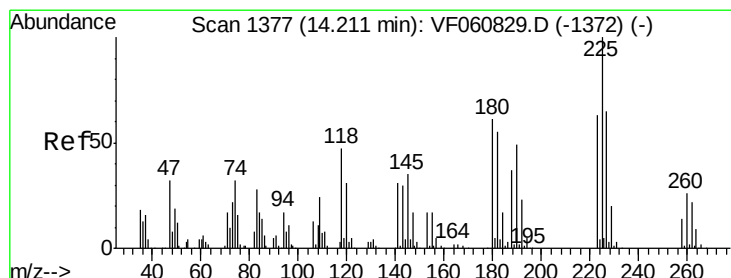
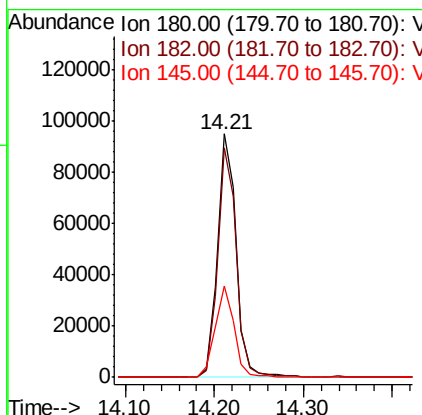
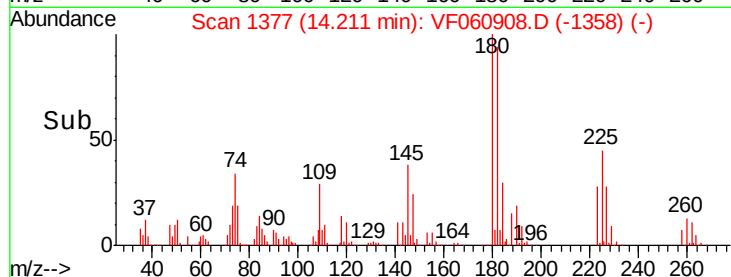
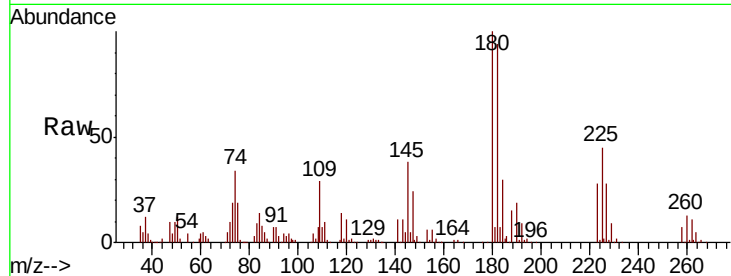
#93
 1,2,4-Trichlorobenzene
 Concen: 50.273 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139867		
182	94.3	48.5	145.5	
145	37.6	18.1	54.3	

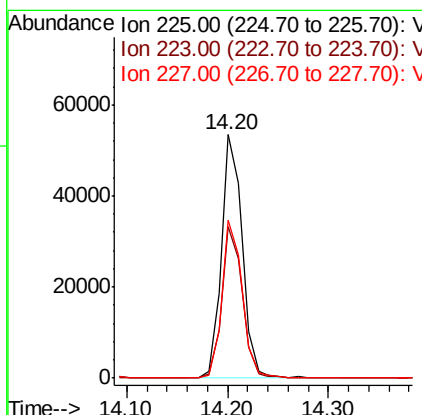
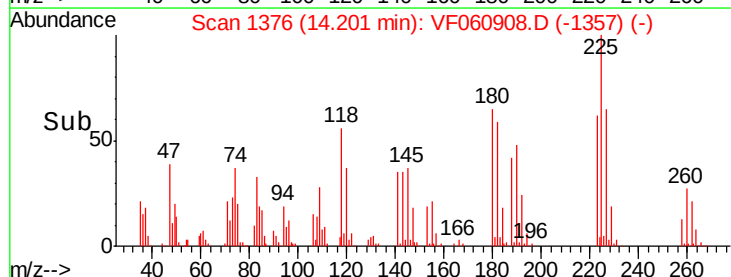
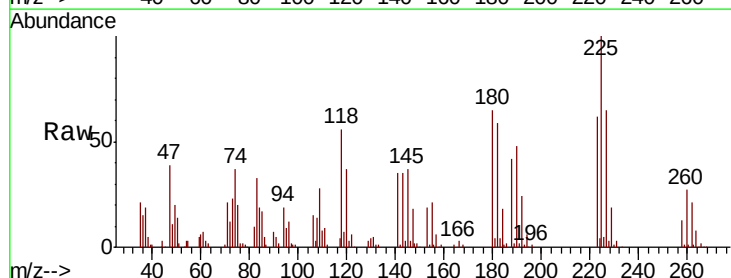
Manual Integrations
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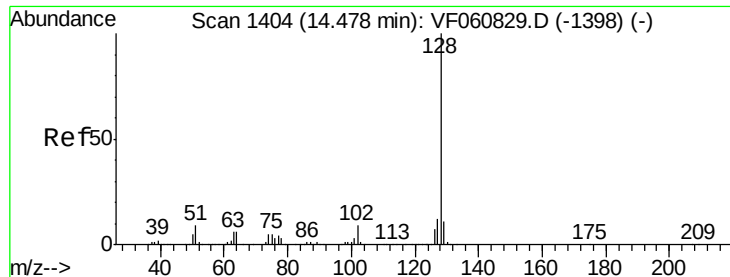
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#94
 Hexachlorobutadiene
 Concen: 41.421 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060908.D
 Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76821		
223	62.0	31.4	94.3	
227	64.9	32.5	97.5	





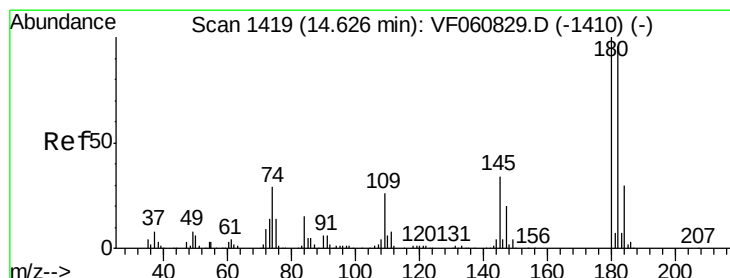
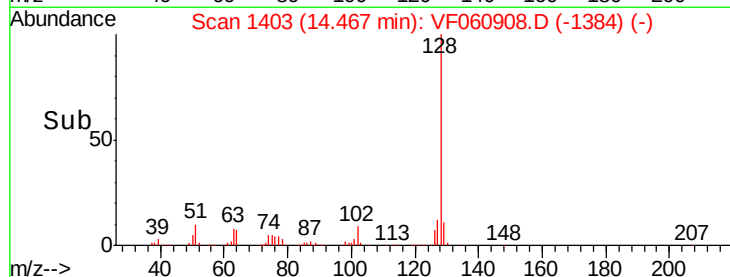
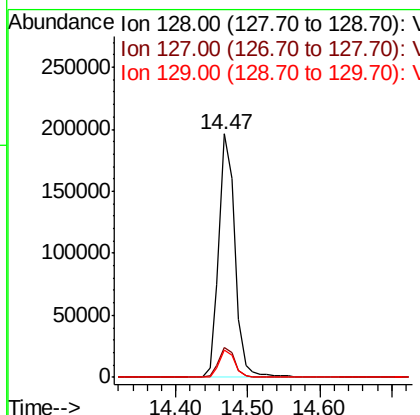
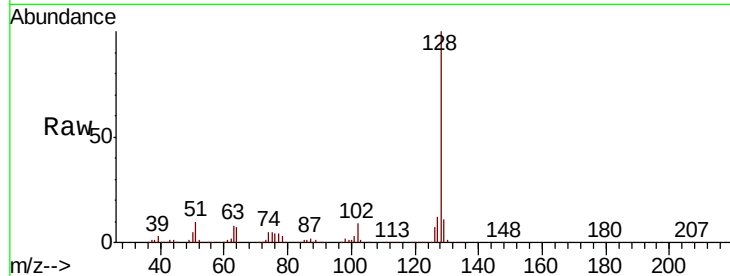
#95
Naphthalene
Concen: 56.534 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	302814		
127	12.2		9.9	14.9
129	11.2		9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060908.D
Acq: 3 Dec 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133233		
182	100.4		47.9	143.8
145	37.0		17.2	51.5

