

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060200.D
 Acq On : 6 Sep 2018 13:11
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 9/7/2018 11:53:27 AM

Quant Time: Sep 07 10:43:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:36:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	146856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	210677	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	220434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	139454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	129721	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	4.30	113	97637	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.71	98	244065	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.50	95	144318	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	123282	44.04	ug/l	100
3) Chloromethane	1.07	50	65151	44.13	ug/l	100
4) Vinyl Chloride	1.12	62	55106	48.44	ug/l	100
5) Bromomethane	1.32	94	44652	43.81	ug/l	100
6) Chloroethane	1.40	64	34665	47.57	ug/l	100
7) Trichlorofluoromethane	1.49	101	154618	48.73	ug/l	100
8) Diethyl Ether	1.70	74	23094	49.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	74438	47.98	ug/l	100
10) Methyl Iodide	1.93	142	62532	44.74	ug/l	100
11) Tert butyl alcohol	2.70	59	31944	262.00	ug/l	100
12) 1,1-Dichloroethene	1.83	96	48562	46.01	ug/l	100
13) Acrolein	2.09	56	14443	272.51	ug/l	100
14) Allyl chloride	2.20	41	73591	46.49	ug/l	100
15) Acrylonitrile	3.08	53	48568	249.01	ug/l	100
16) Acetone	2.35	43	146757	233.96	ug/l	100
17) Carbon Disulfide	1.84	76	153344	49.84	ug/l	100
18) Methyl Acetate	2.45	43	42245	48.73	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	171441	49.09	ug/l	100
20) Methylene Chloride	2.29	84	62263	49.59	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	52697	48.79	ug/l	100
22) Diisopropyl ether	2.93	45	195346	49.24	ug/l	100
23) Vinyl Acetate	3.34	43	380492	229.45	ug/l	100
24) 1,1-Dichloroethane	3.01	63	126949	49.19	ug/l	100
25) 2-Butanone	4.51	43	174422	241.89	ug/l	100
26) 2,2-Dichloropropane	3.76	77	181599	50.66	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	72011	51.08	ug/l	100
28) Bromochloromethane	3.88	49	38406	43.70	ug/l	100
29) Tetrahydrofuran	4.26	42	63478	266.29	ug/l	100
30) Chloroform	4.03	83	185247	49.00	ug/l	100
31) Cyclohexane	3.85	56	87145	49.36	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	186911	49.63	ug/l	100
36) 1,1-Dichloropropene	4.45	75	122872	49.55	ug/l	100
37) Ethyl Acetate	4.30	43	68932	55.35	ug/l	100
38) Carbon Tetrachloride	4.16	117	169685	49.77	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	103637	49.89	ug/l	100
40) Benzene	4.81	78	203642	46.09	ug/l	100
41) Methacrylonitrile	4.92	41	33863	52.50	ug/l	100
42) 1,2-Dichloroethane	5.12	62	161197	50.49	ug/l	100
43) Isopropyl Acetate	7.11	43	76950	53.35	ug/l	100
44) Trichloroethene	5.67	130	85850	47.98	ug/l	100
45) 1,2-Dichloropropane	6.40	63	59878	47.69	ug/l	100
46) Dibromomethane	6.25	93	56995	51.55	ug/l	100
47) Bromodichloromethane	6.54	83	151930	50.63	ug/l	100
48) Methyl methacrylate	6.87	41	59152	51.63	ug/l	100
49) 1,4-Dioxane	6.88	88	6912	410.58	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	320731	250.29	ug/l	100
52) Toluene	7.78	92	161619	47.24	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	135564	53.76	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	138636	52.96	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	64291	51.09	ug/l	100
56) Ethyl methacrylate	8.75	69	74972	52.11	ug/l	100
57) 1,3-Dichloropropane	9.00	76	113461	50.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	38532	249.06	ug/l	100
59) 2-Hexanone	9.62	43	237551	247.85	ug/l	100
60) Dibromochloromethane	8.86	129	110127	52.84	ug/l	100
61) 1,2-Dibromoethane	9.13	107	77292	51.21	ug/l	100
64) Tetrachloroethene	8.30	164	115273	51.14	ug/l	100
65) Chlorobenzene	9.94	112	223808	49.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	98448	48.68	ug/l	100
67) Ethyl Benzene	10.03	91	405952	47.69	ug/l	100
68) m/p-Xylenes	10.26	106	266343	93.26	ug/l	100
69) o-Xylene	10.82	106	145098	47.63	ug/l	100
70) Styrene	10.90	104	219894	47.62	ug/l	100
71) Bromoform	10.88	173	64353	55.12	ug/l	100
73) Isopropylbenzene	11.23	105	475818	49.46	ug/l	100
74) N-amyl acetate	11.46	43	87647	46.17	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	75624	52.28	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	79711	52.00	ug/l	100
77) Bromobenzene	11.59	156	125945	50.00	ug/l	100
78) n-propylbenzene	11.68	91	574718	49.86	ug/l	100
79) 2-Chlorotoluene	11.81	91	340629	48.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	428750	50.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	18464m	55.53	ug/l	
82) 4-Chlorotoluene	11.99	91	391180	50.62	ug/l	100
83) tert-Butylbenzene	12.21	119	391256	50.56	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	444693	51.55	ug/l	100
85) sec-Butylbenzene	12.38	105	533625	49.99	ug/l	100
86) p-Isopropyltoluene	12.54	119	474710	50.08	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	218183	47.40	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	224627	49.31	ug/l	100
89) n-Butylbenzene	12.91	91	486251	53.04	ug/l	100
90) Hexachloroethane	12.99	117	101345	52.74	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	216828	49.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	20591	55.78	ug/l	100

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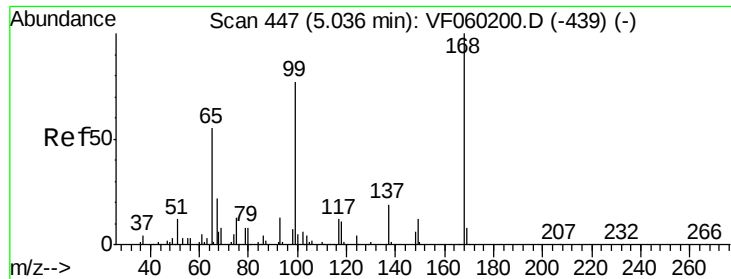
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	177319	52.50	ug/l	100
94) Hexachlorobutadiene	14.25	225	123547	51.32	ug/l	100
95) Naphthalene	14.52	128	271298	51.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	175141	55.24	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 146856

Ion Ratio Lower Upper

168 100

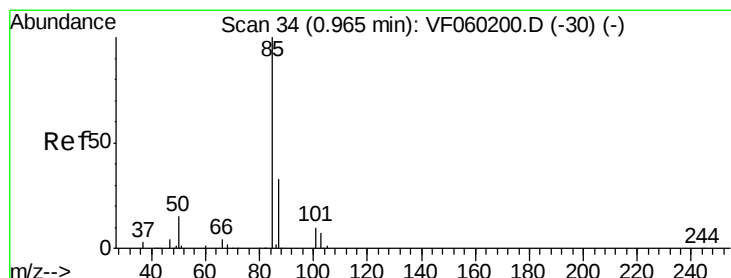
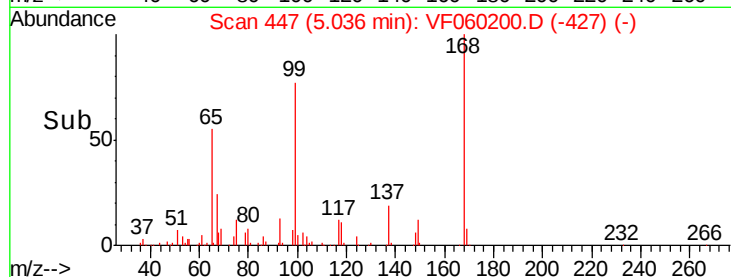
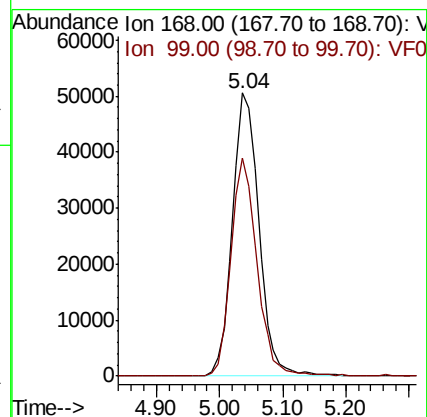
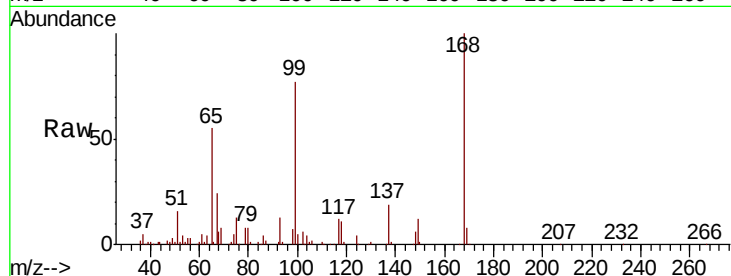
99 77.2 61.8 92.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.04 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060200.D

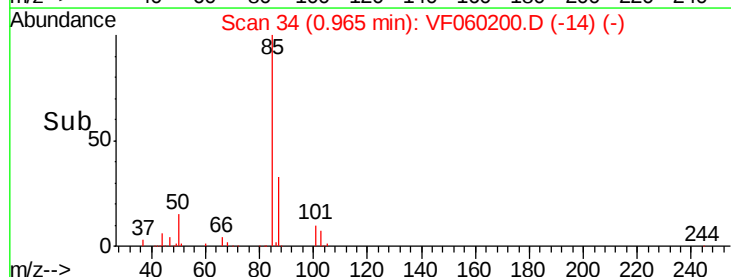
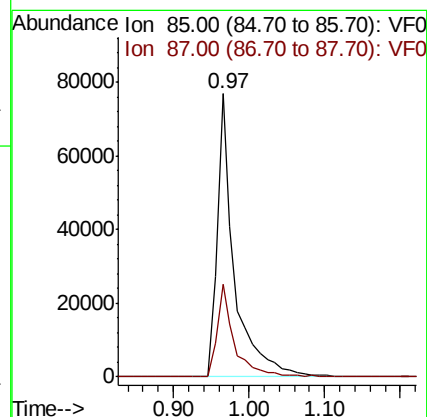
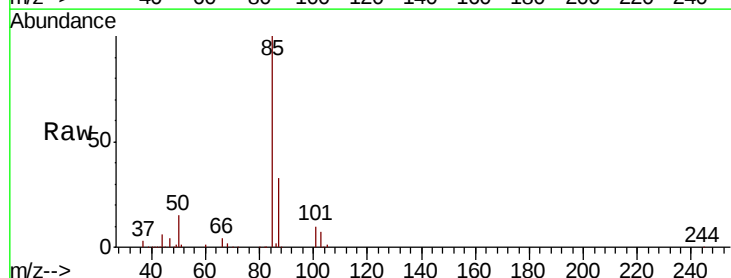
Acq: 6 Sep 2018 13:11

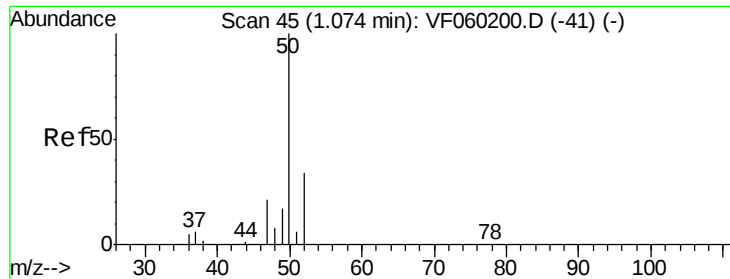
Tgt Ion: 85 Resp: 123282

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9





#3

Chloromethane

Concen: 44.13 ug/l

RT: 1.07 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 65151

Ion Ratio Lower Upper

50 100

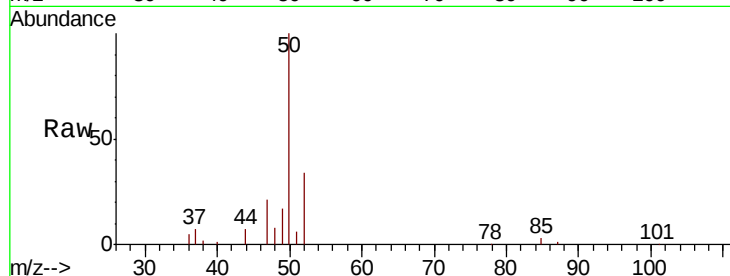
52 33.6 26.9 40.3

Manual Integrations

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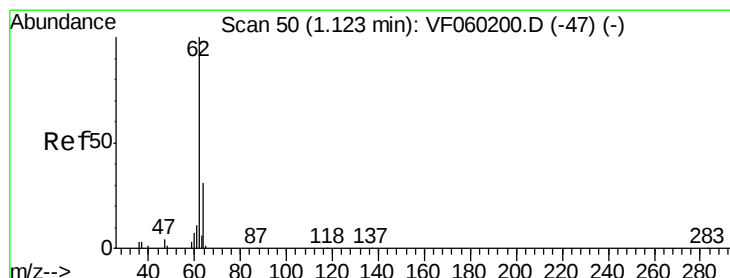
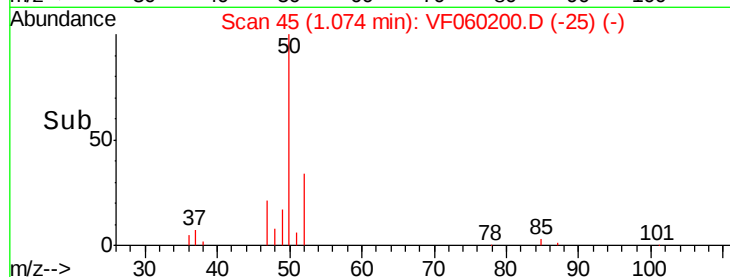
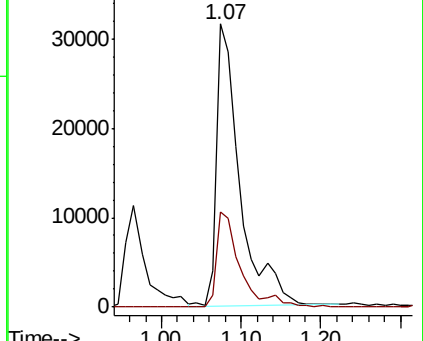
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.44 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060200.D

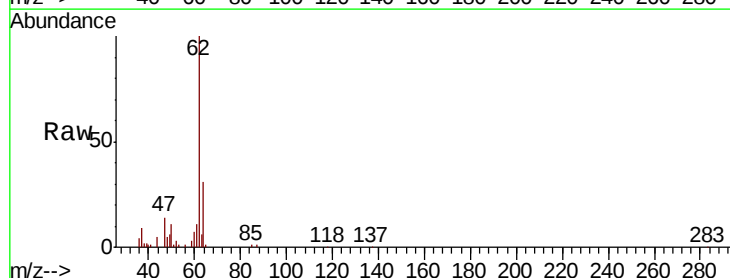
Acq: 6 Sep 2018 13:11

Tgt Ion: 62 Resp: 55106

Ion Ratio Lower Upper

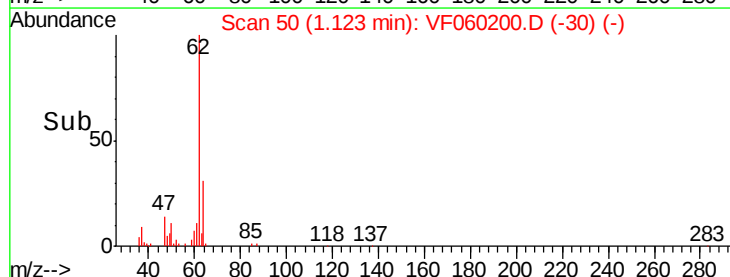
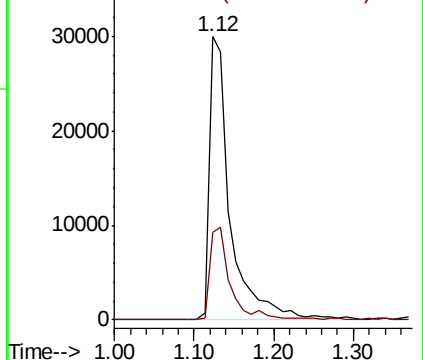
62 100

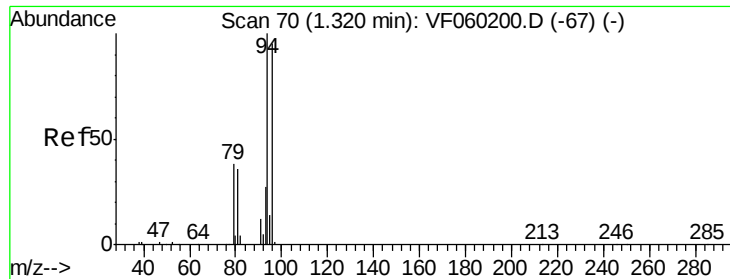
64 31.0 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 43.81 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 44652

Ion Ratio Lower Upper

94 100

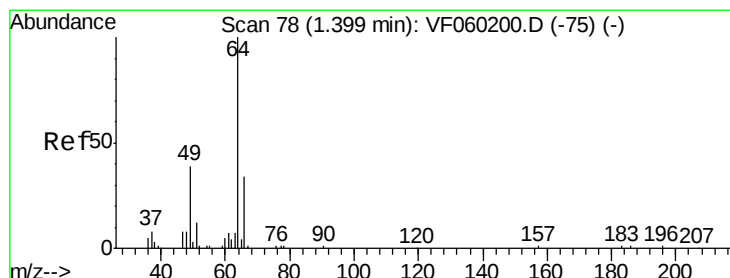
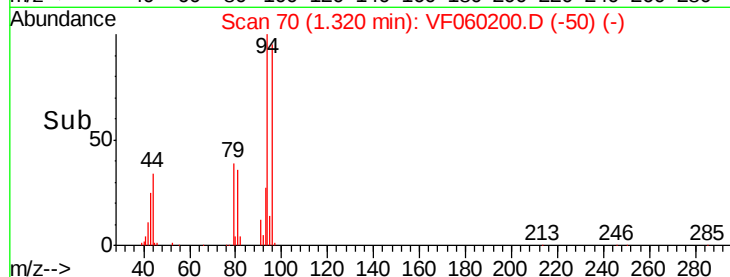
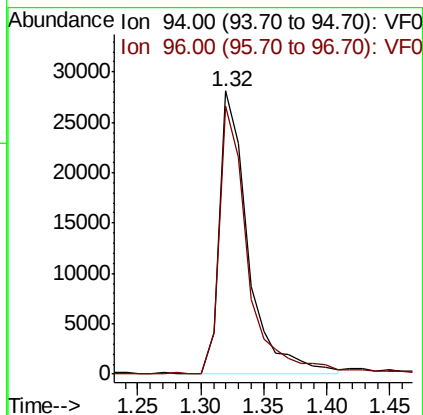
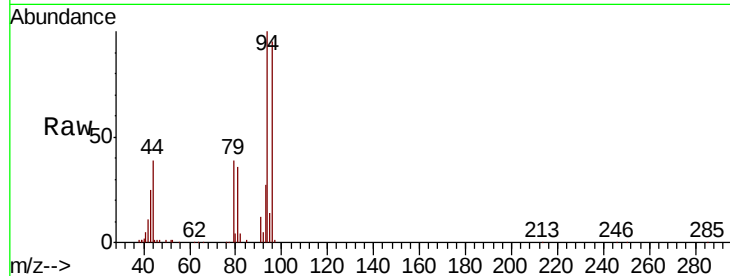
96 94.7 75.8 113.6

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#6

Chloroethane

Concen: 47.57 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF060200.D

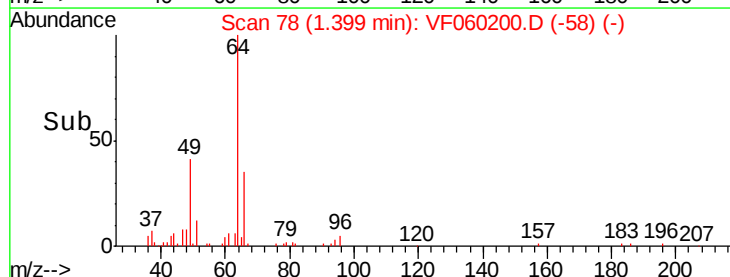
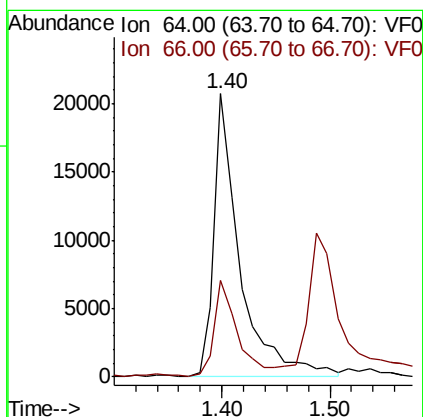
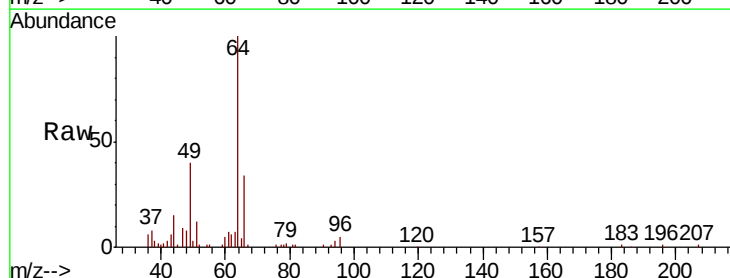
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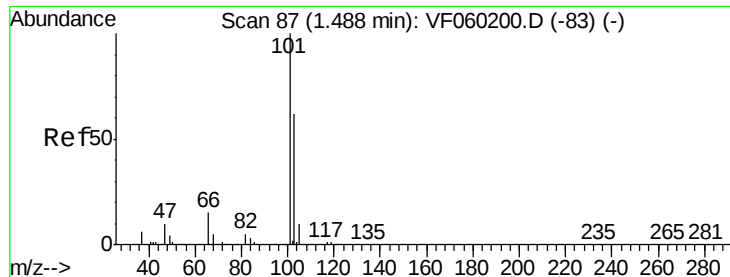
Tgt Ion: 64 Resp: 34665

Ion Ratio Lower Upper

64 100

66 33.9 27.1 40.7





#7

Trichlorofluoromethane

Concen: 48.73 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

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Tot Ion:101 Resp: 154618

Ion Ratio Lower Upper

101 100

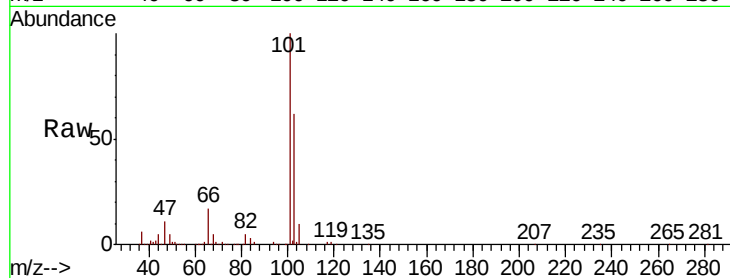
103 61.9 49.5 74.3

Manual Integrations

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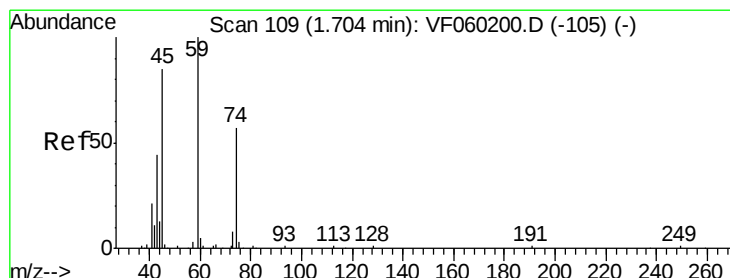
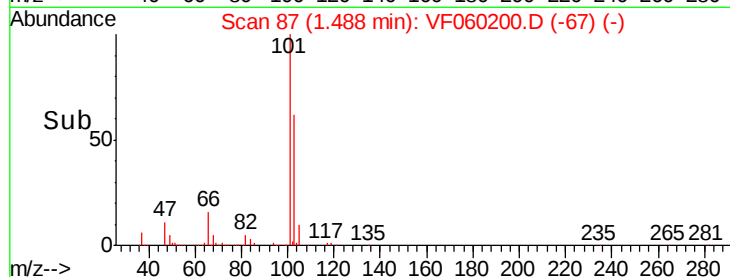
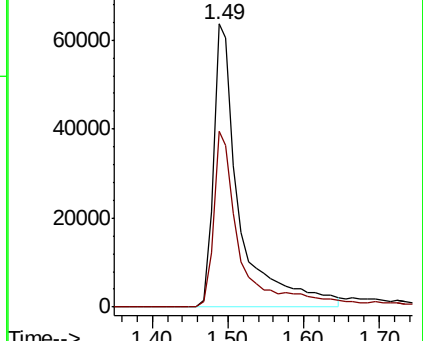
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.23 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060200.D

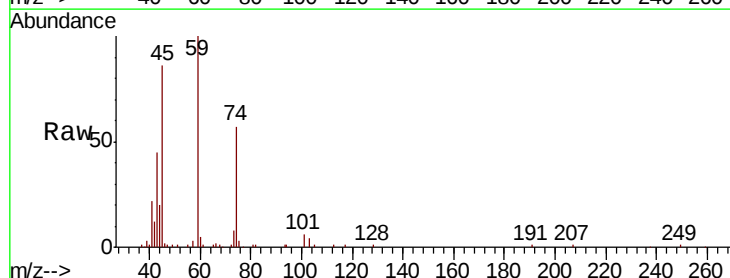
Acq: 6 Sep 2018 13:11

Tgt Ion: 74 Resp: 23094

Ion Ratio Lower Upper

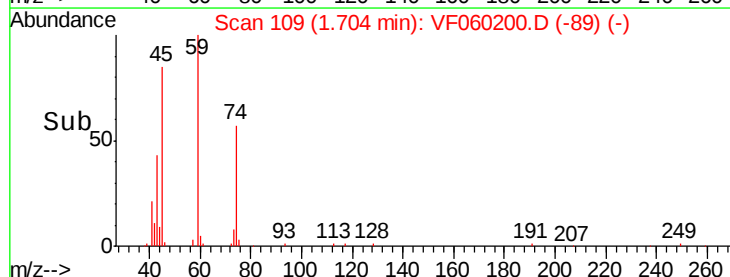
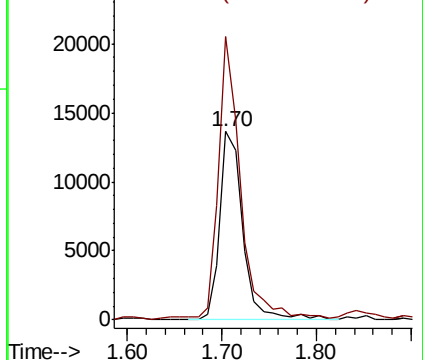
74 100

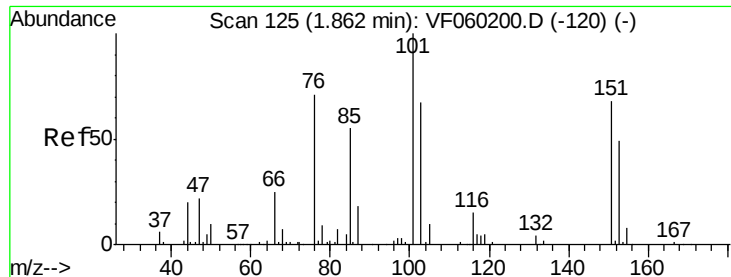
45 150.5 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.98 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.00 min

Lab File: VF060200.D

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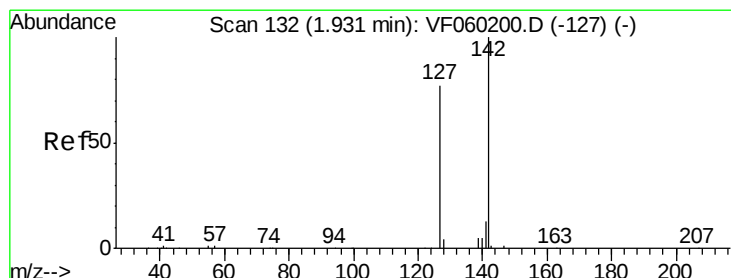
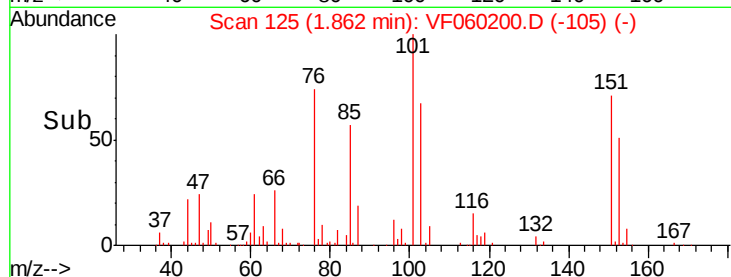
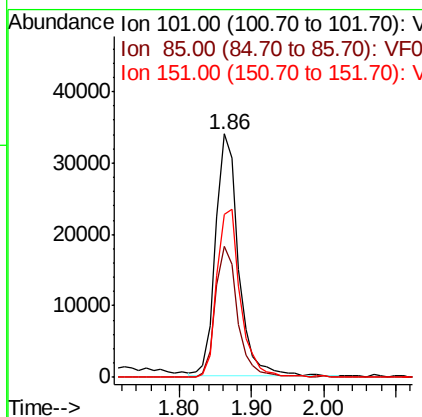
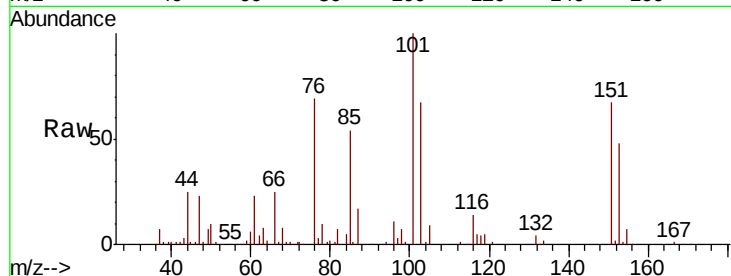
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	74438
Ion Ratio	Lower	Upper	
101	100		
85	53.7	43.0	64.4
151	67.0	53.6	80.4

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#10

Methyl Iodide

Concen: 44.74 ug/l

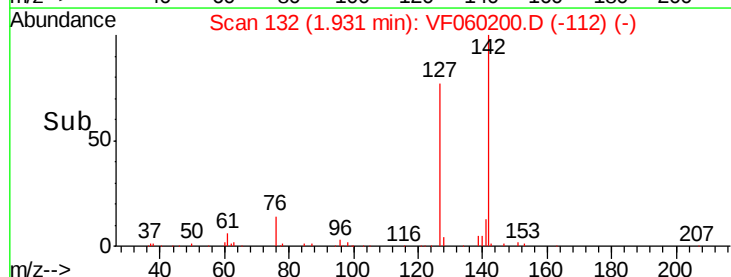
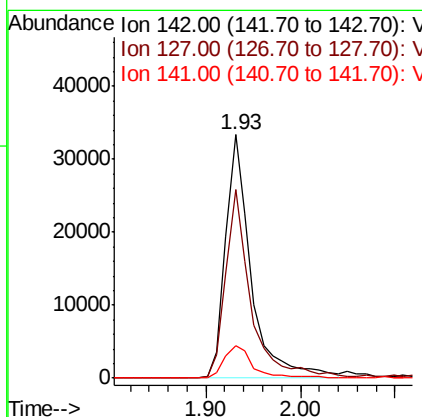
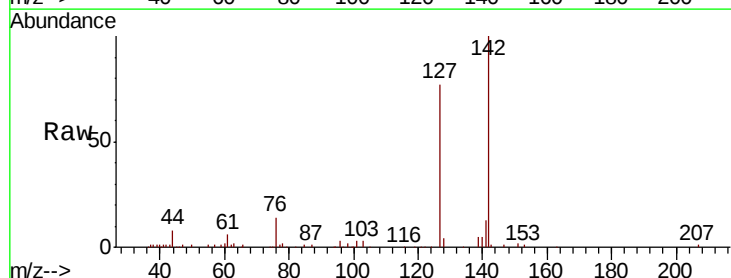
RT: 1.93 min Scan# 132

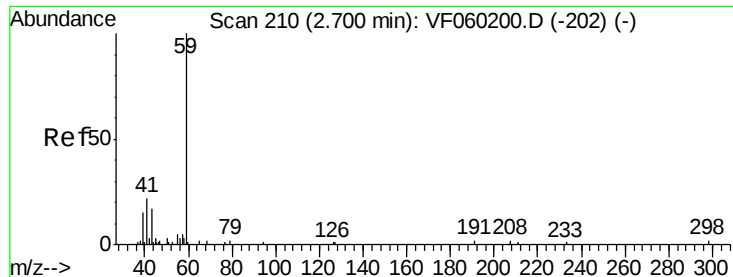
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	142	Resp:	62532
Ion Ratio	Lower	Upper	
142	100		
127	76.4	61.1	91.7
141	13.2	10.6	15.8





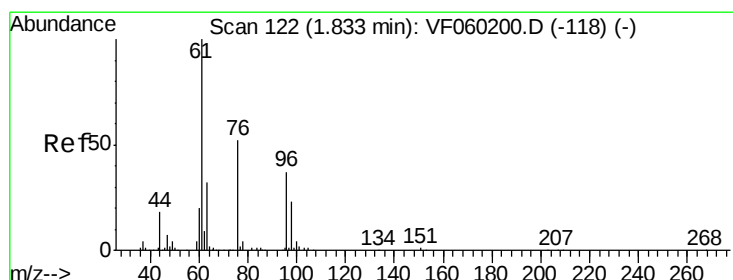
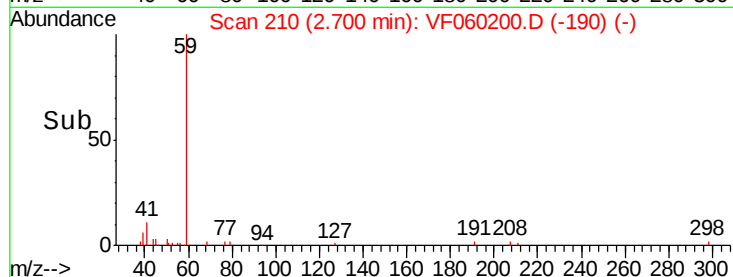
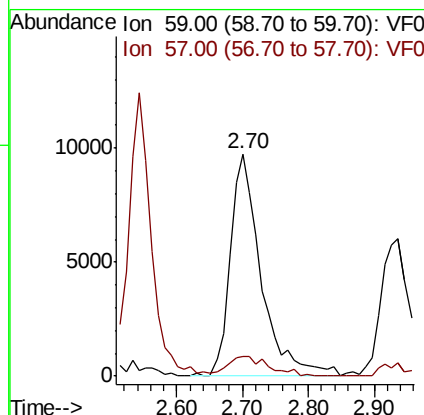
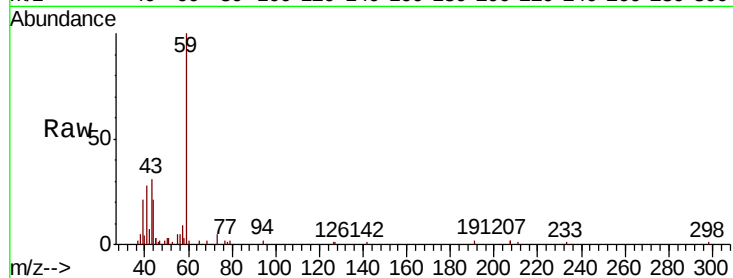
#11
Tert butyl alcohol
Concen: 262.00 ug/l
RT: 2.70 min Scan# 210
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	31944
Ion Ratio	100	Lower	Upper
57	9.0	7.2	10.8

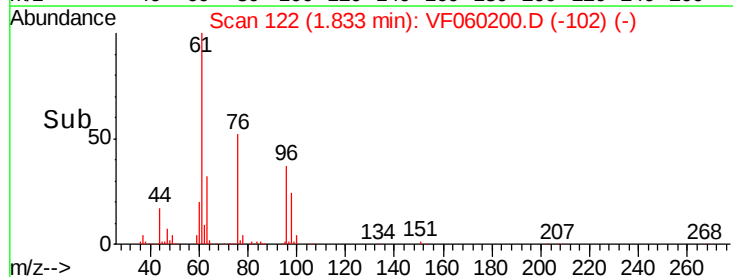
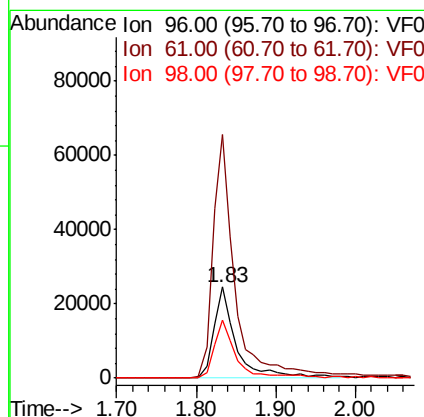
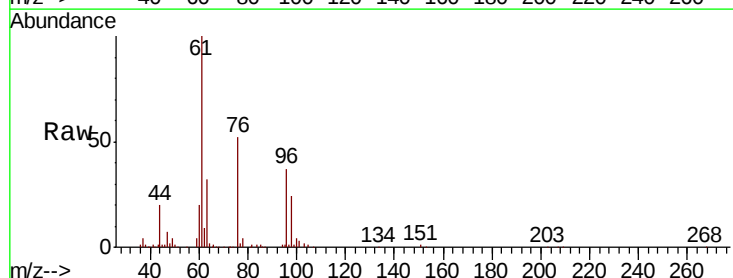
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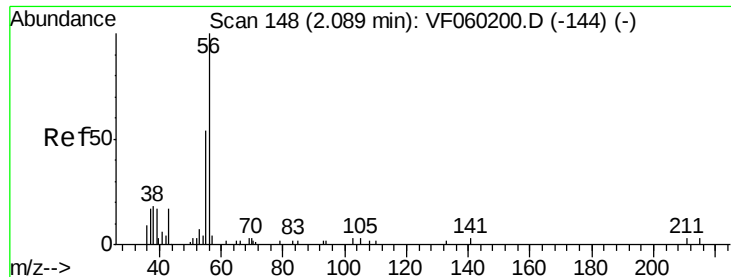
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#12
1,1-Dichloroethene
Concen: 46.01 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	96	Resp	48562
Ion Ratio	100	Lower	Upper
61	268.2	214.6	321.8
98	63.4	50.7	76.1





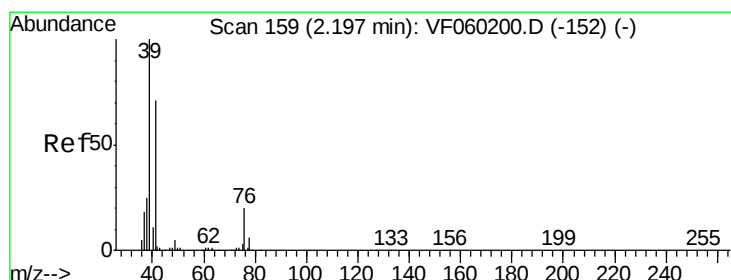
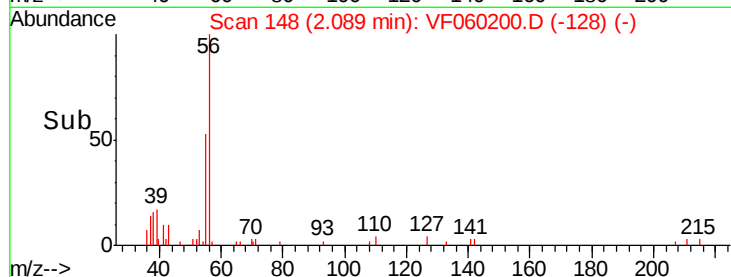
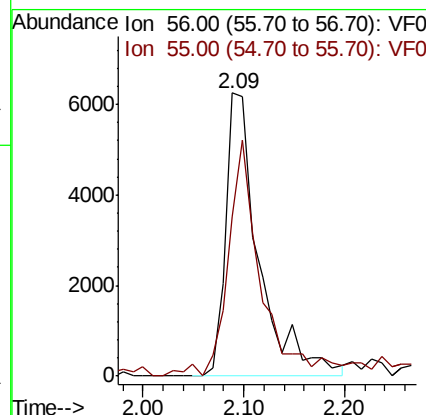
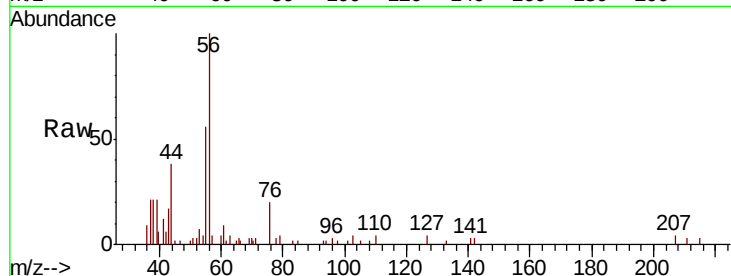
#13
Acrolein
Concen: 272.51 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	14443
Ion Ratio	Lower	Upper	
56	100		
55	56.4	45.1	67.7

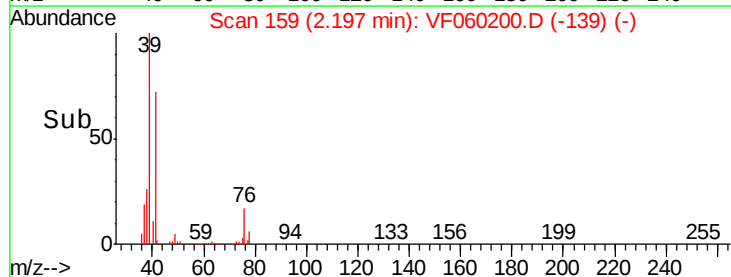
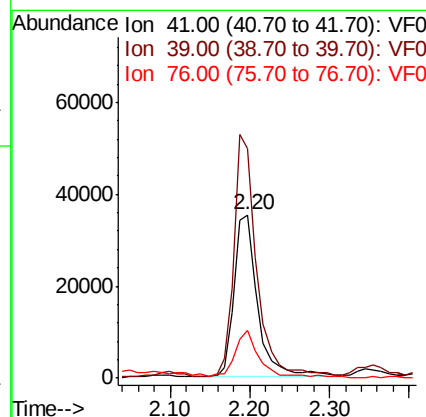
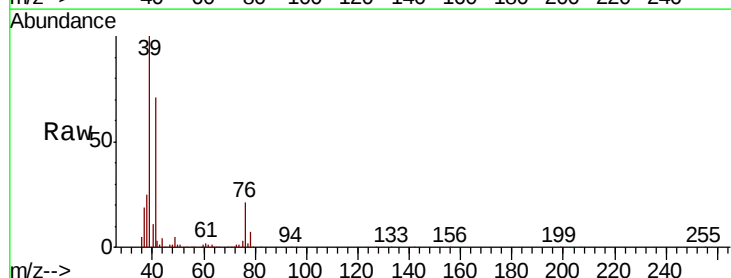
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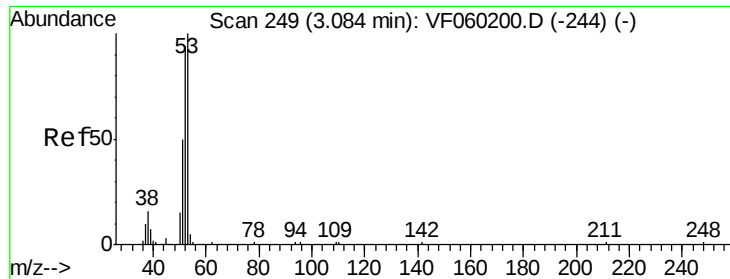
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#14
Allyl chloride
Concen: 46.49 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	41	Resp	73591
Ion Ratio	Lower	Upper	
41	100		
39	140.2	112.2	168.2
76	29.0	23.2	34.8





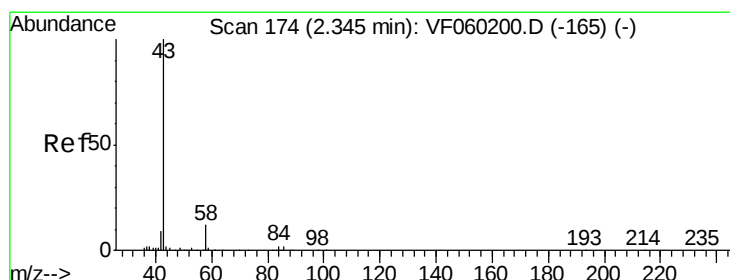
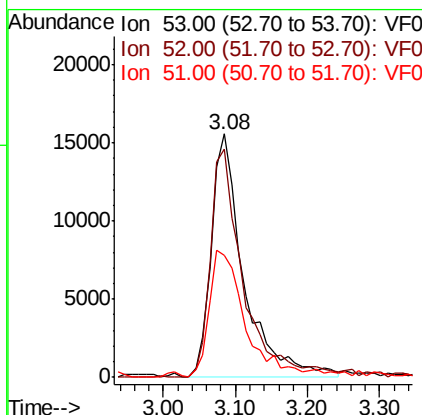
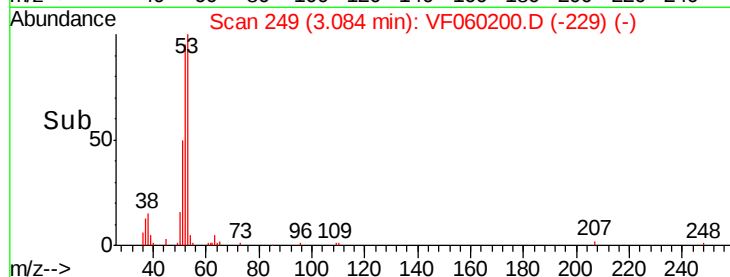
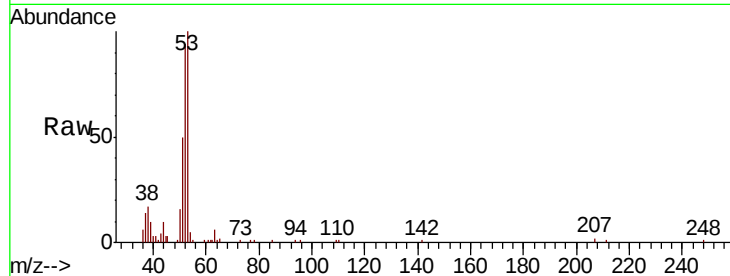
#15
 Acrylonitrile
 Concen: 249.01 ug/l
 RT: 3.08 min Scan# 249
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	48568
Ion Ratio	100	Lower	Upper
52	93.8	75.0	112.6
51	49.9	39.9	59.9

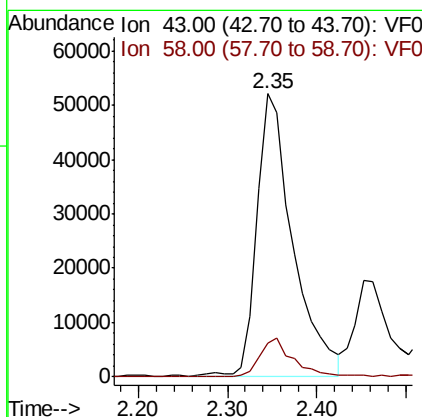
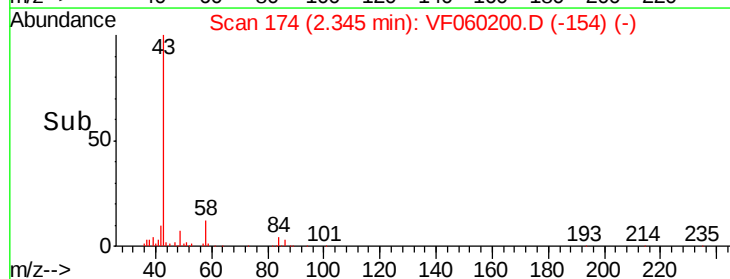
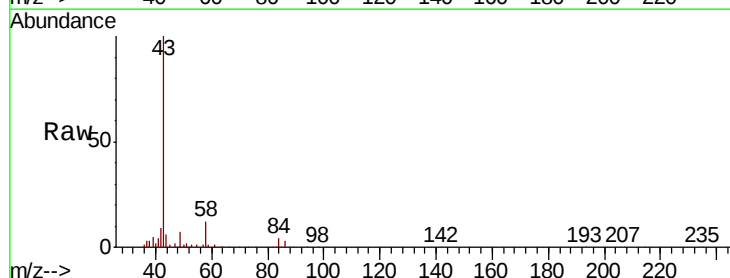
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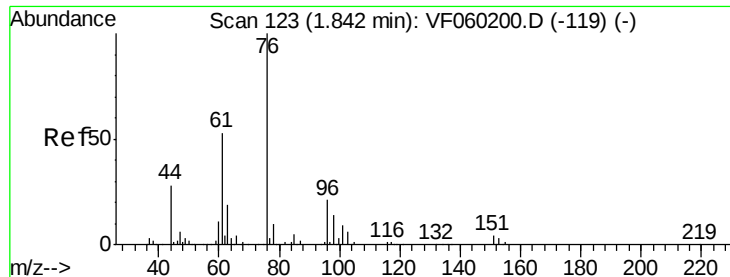
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#16
 Acetone
 Concen: 233.96 ug/l
 RT: 2.35 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	43	Resp	146757
Ion Ratio	100	Lower	Upper
58	12.1	9.7	14.5





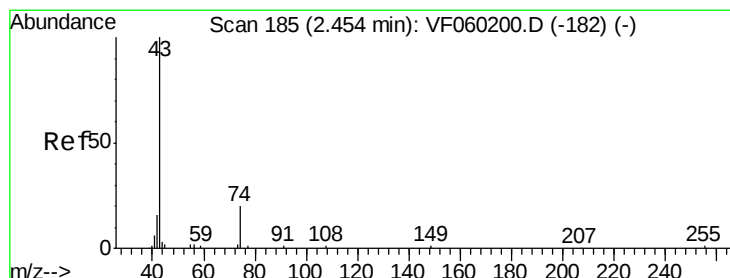
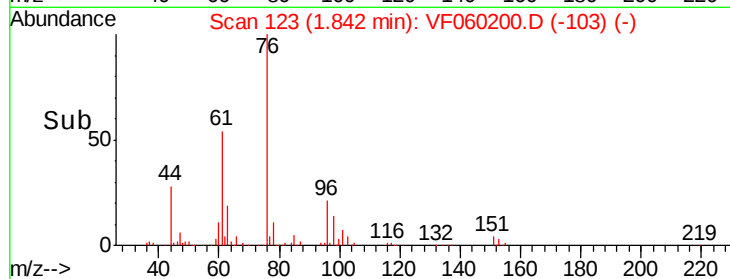
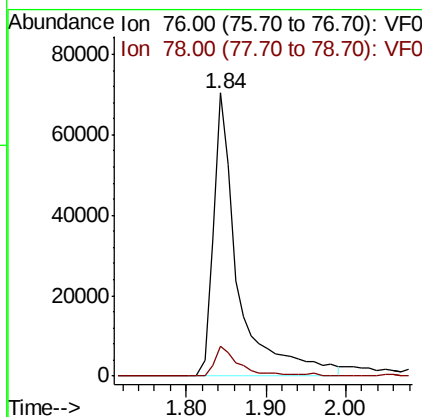
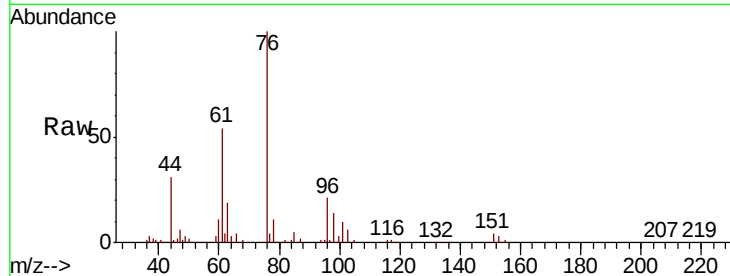
#17
Carbon Disulfide
Concen: 49.84 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	8.5	12.7

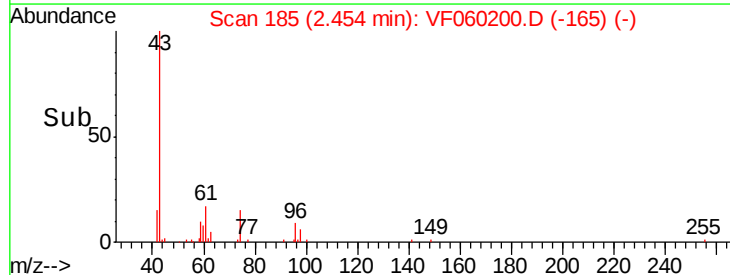
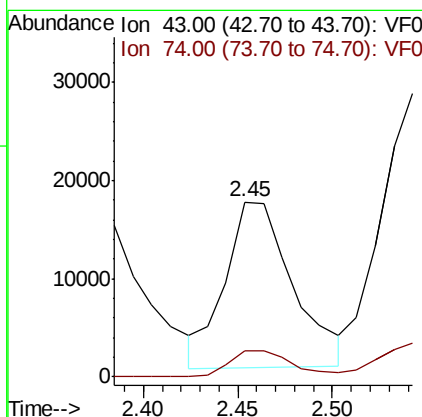
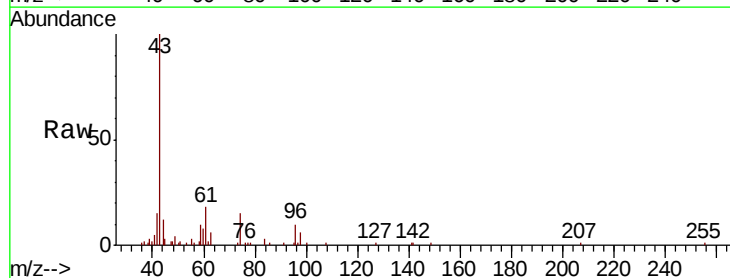
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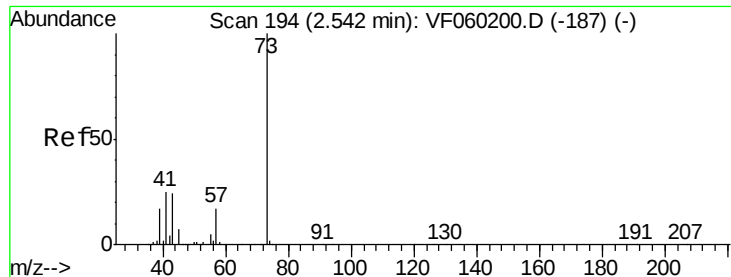
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#18
Methyl Acetate
Concen: 48.73 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	11.9	17.9





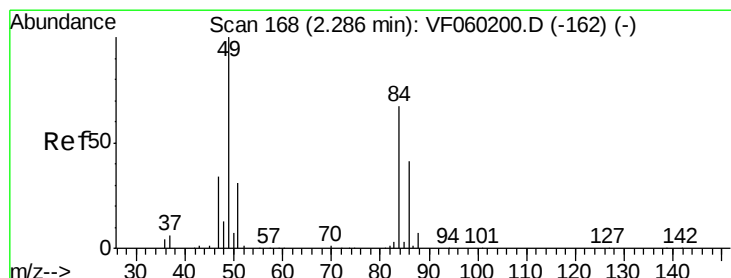
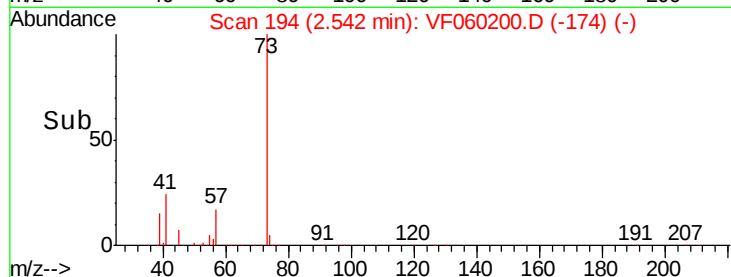
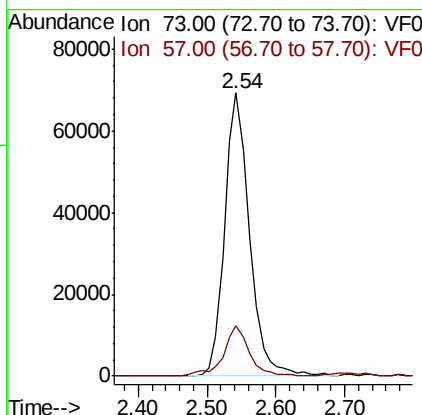
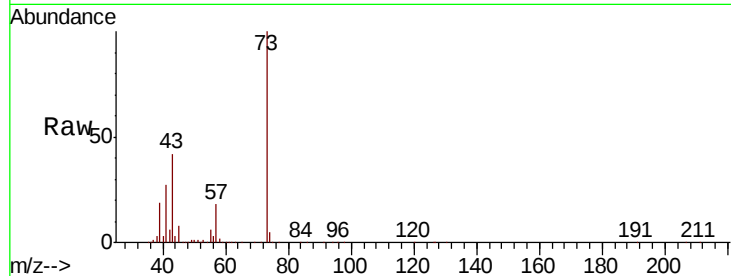
#19
Methvl tert-butvl Ether
Concen: 49.09 ug/l
RT: 2.54 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.3	21.5

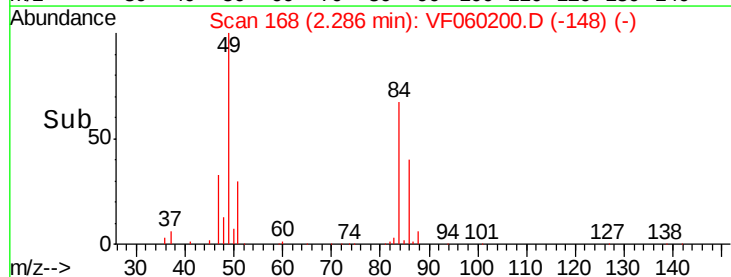
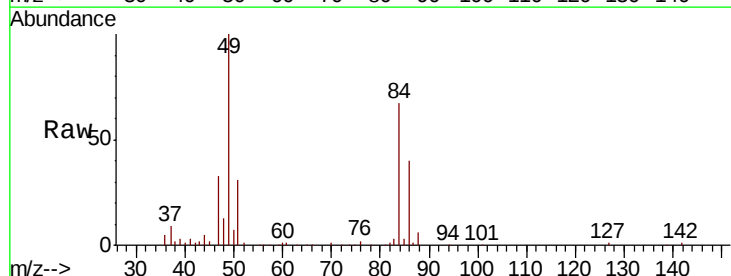
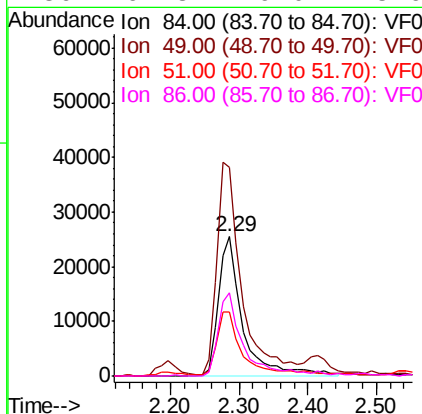
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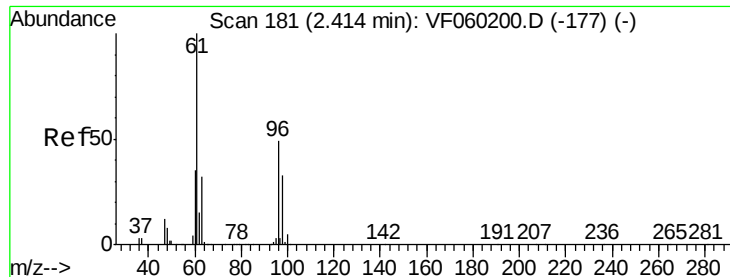
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#20
Methylene Chloride
Concen: 49.59 ug/l
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	120.1	180.1
51	46.3	37.0	55.6
86	61.3	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 48.79 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

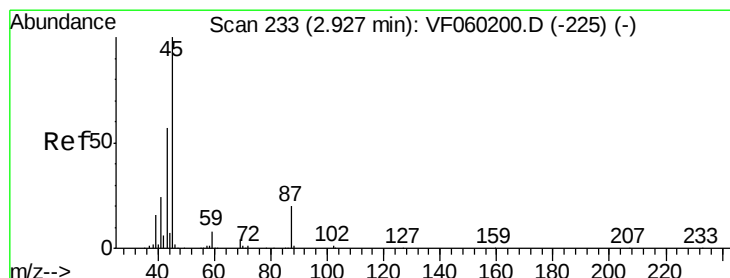
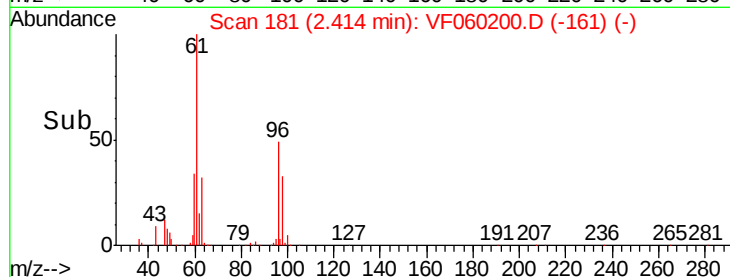
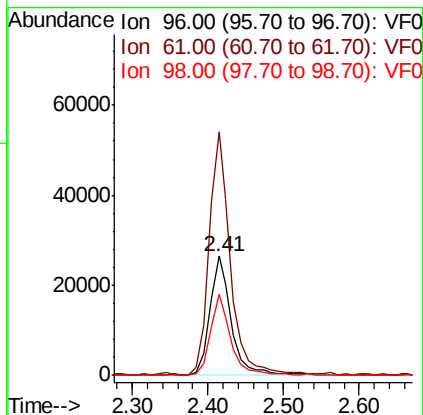
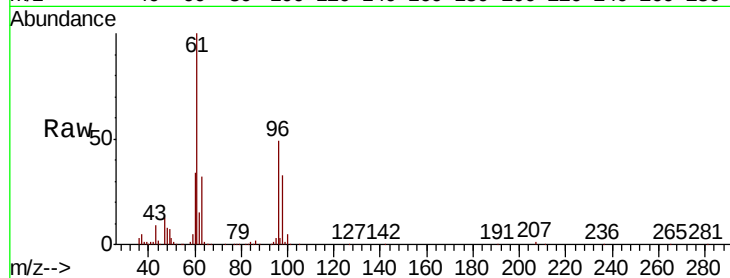
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	52697
Ion	Ratio	Lower	Upper
96	100		
61	203.9	163.1	244.7
98	67.6	54.1	81.1

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#22

Diisopropyl ether

Concen: 49.24 ug/l

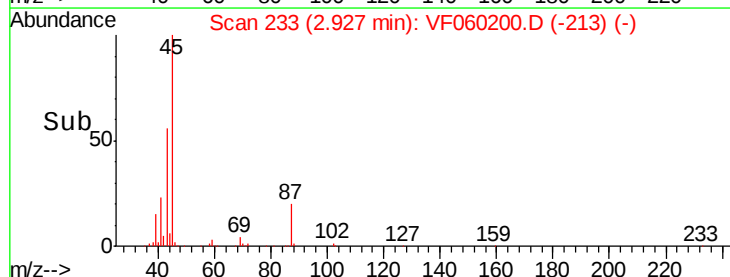
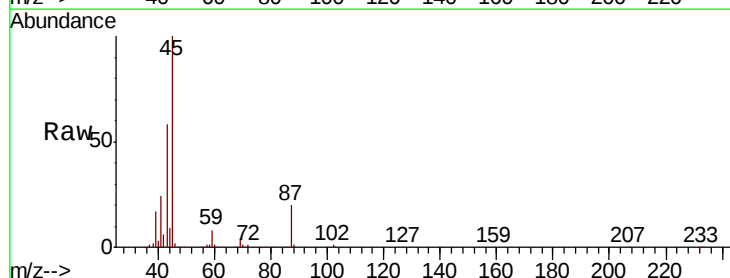
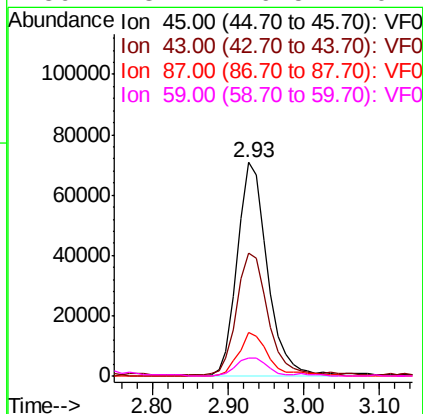
RT: 2.93 min Scan# 233

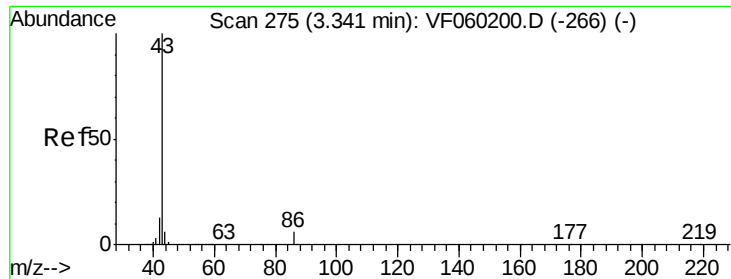
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	45	Resp:	195346
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.2	69.4
87	20.1	16.1	24.1
59	8.1	6.5	9.7





#23

Vinyl Acetate

Concen: 229.45 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 380492

Ion Ratio Lower Upper

43 100

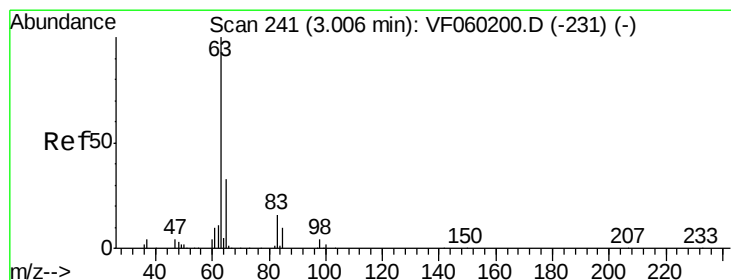
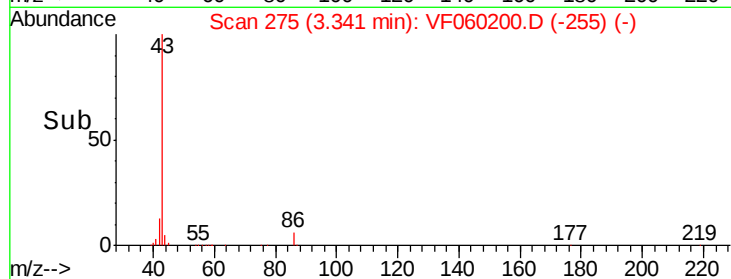
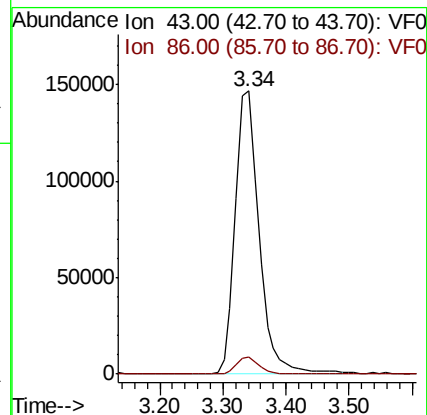
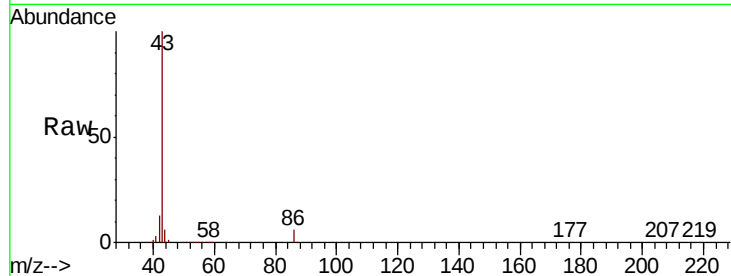
86 6.0 4.8 7.2

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#24

1,1-Dichloroethane

Concen: 49.19 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

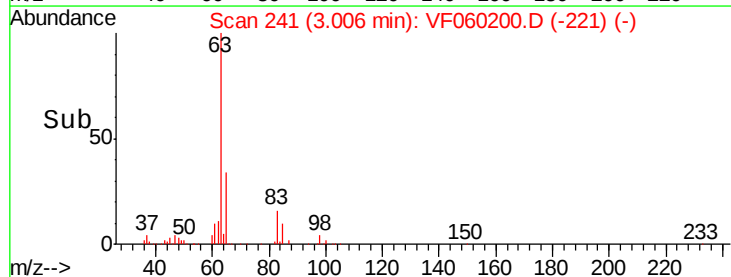
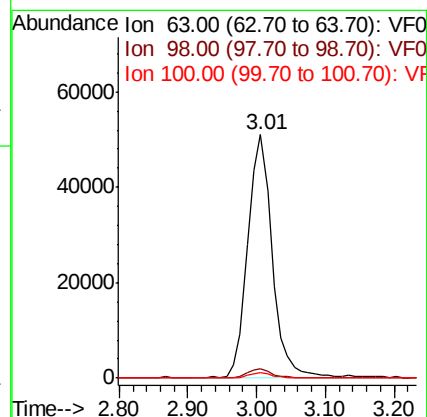
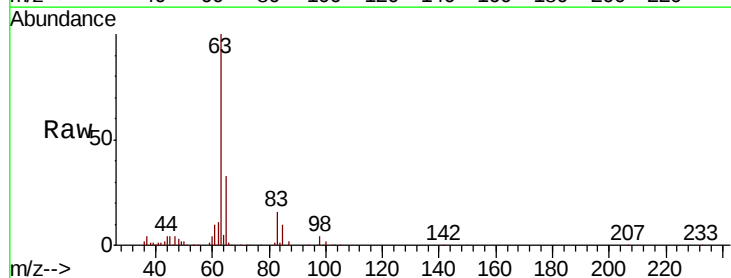
Tgt Ion: 63 Resp: 126949

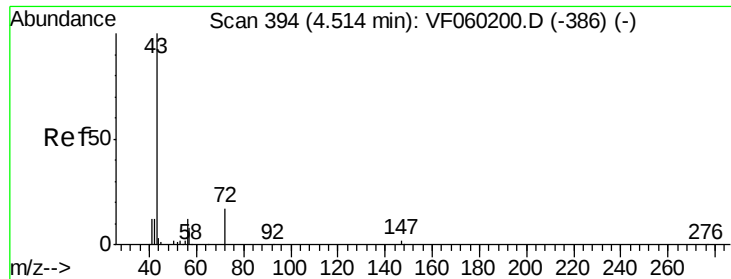
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.1 1.1 3.1





#25

2-Butanone

Concen: 241.89 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 174422

Ion Ratio Lower Upper

43 100

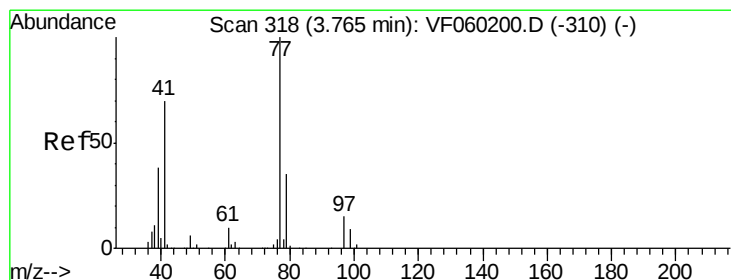
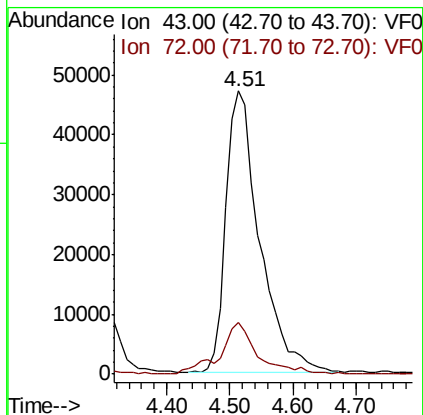
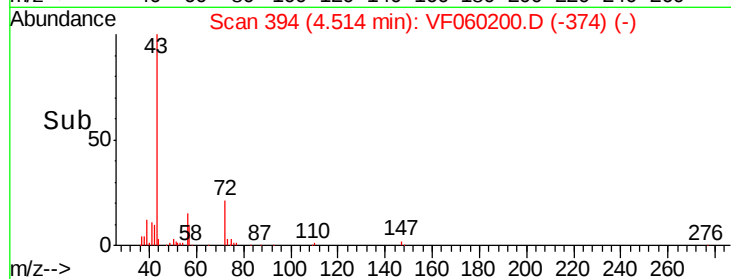
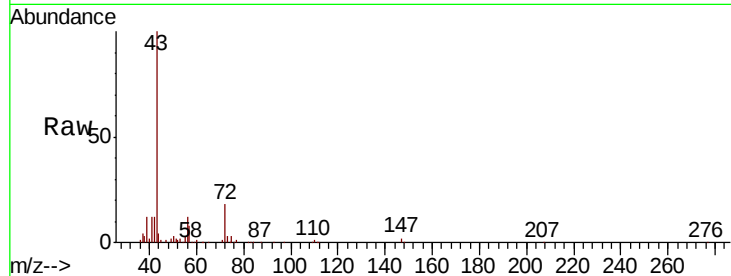
72 18.5 14.8 22.2

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#26

2,2-Dichloropropane

Concen: 50.66 ug/l

RT: 3.76 min Scan# 318

Delta R.T. 0.00 min

Lab File: VF060200.D

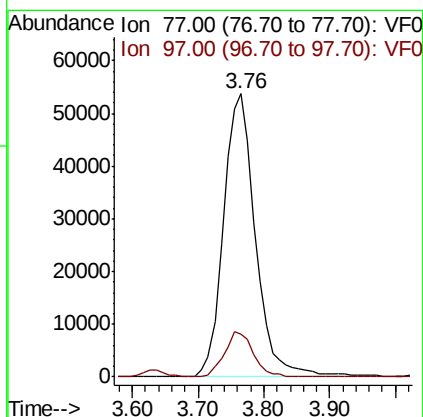
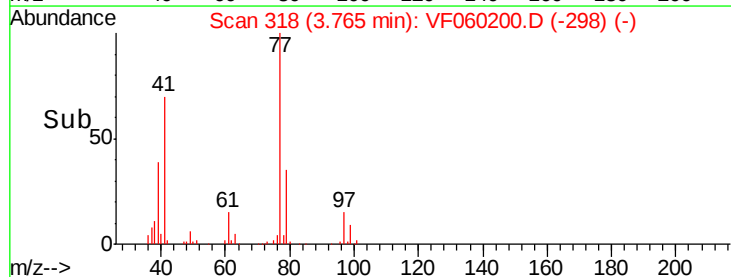
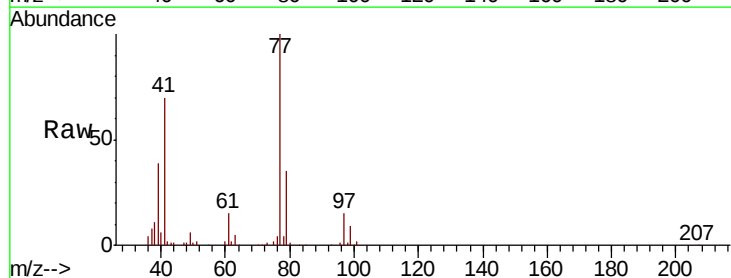
Acq: 6 Sep 2018 13:11

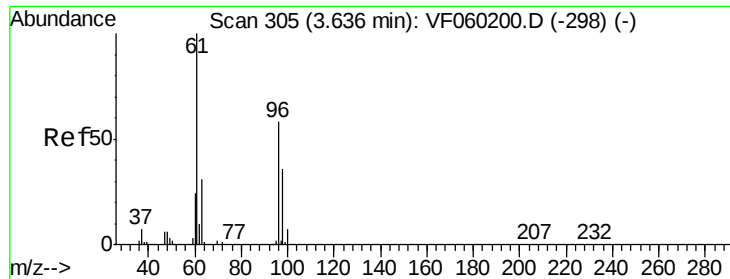
Tgt Ion: 77 Resp: 181599

Ion Ratio Lower Upper

77 100

97 15.0 7.5 22.5





#27

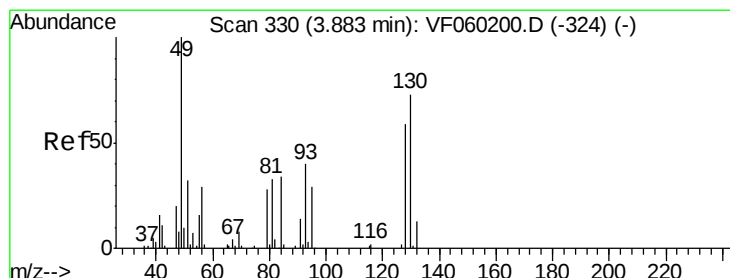
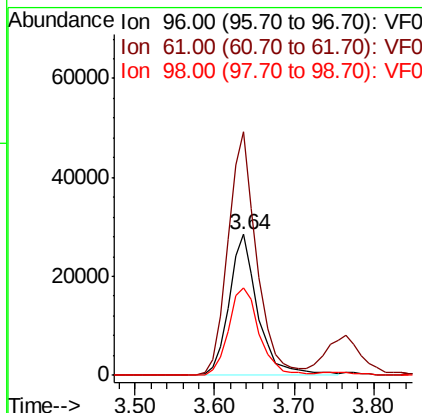
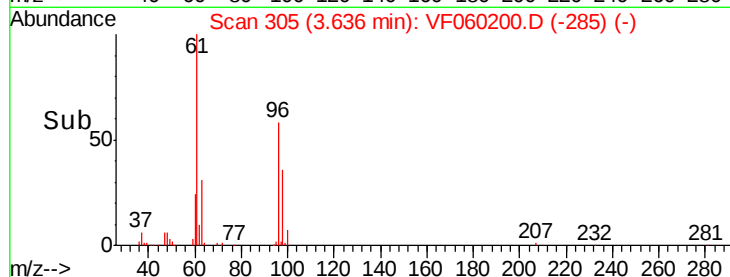
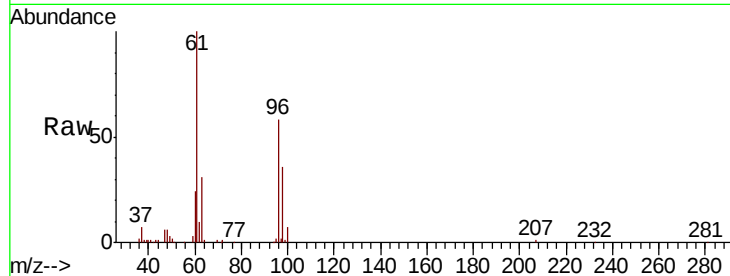
cis-1,2-Dichloroethene
Concen: 51.08 ug/l
RT: 3.64 min Scan# 305
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.6	0.0	345.2
98	62.3	0.0	124.6

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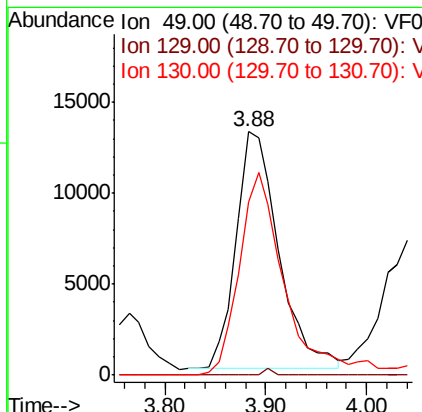
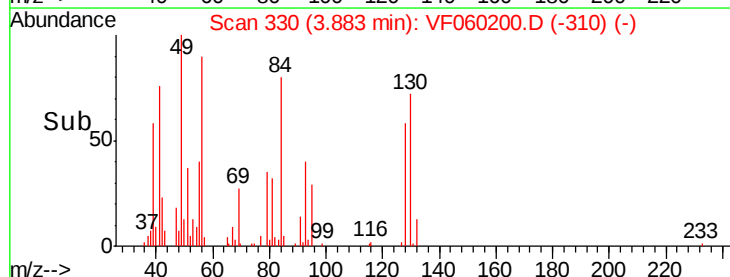
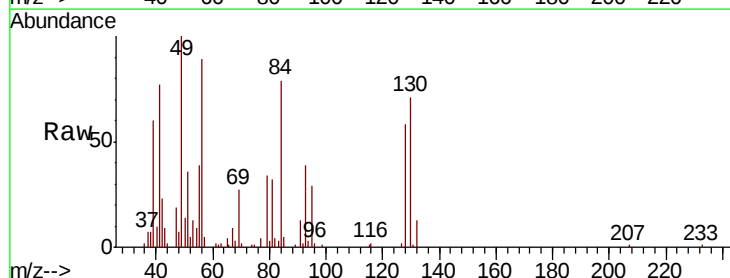
apatel
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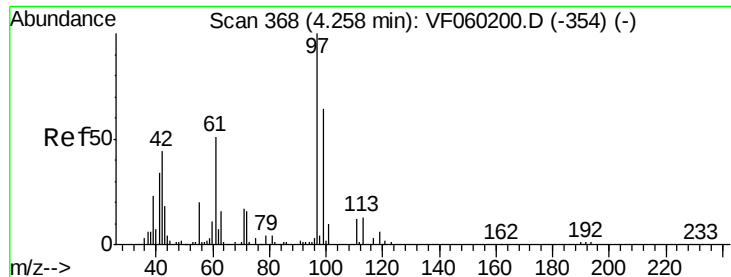


#28

Bromochloromethane
Concen: 43.70 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	72.2	57.8	86.6





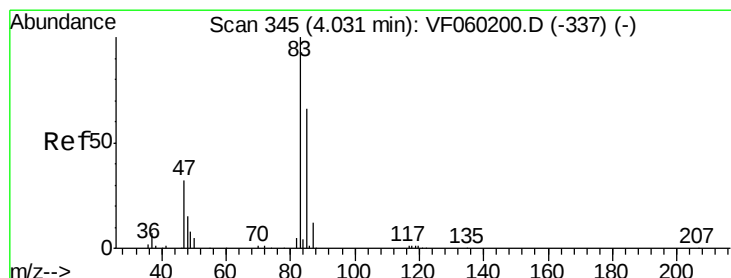
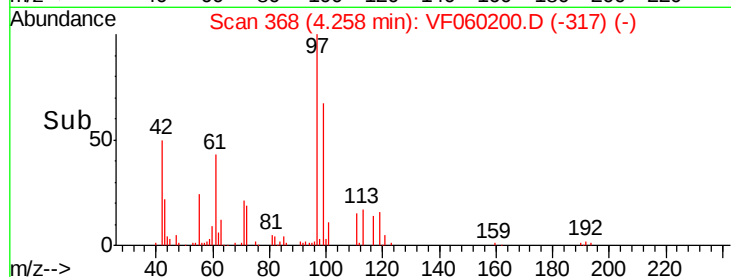
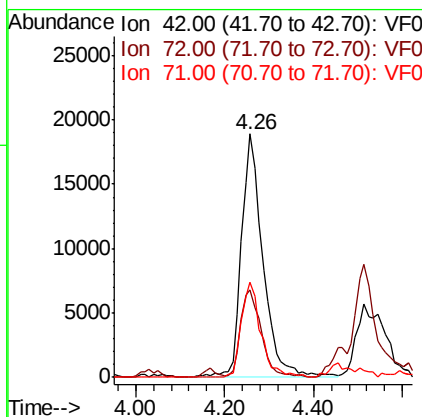
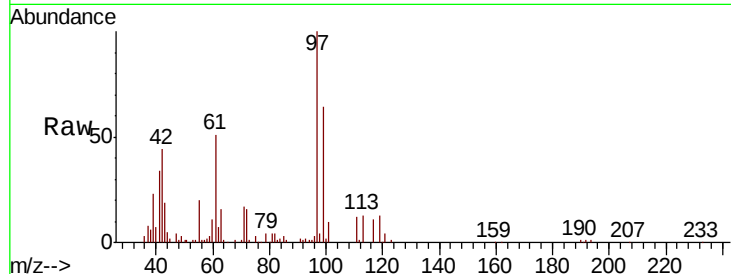
#29
Tetrahydrofuran
Concen: 266.29 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.0
71	35.6	28.5	42.7

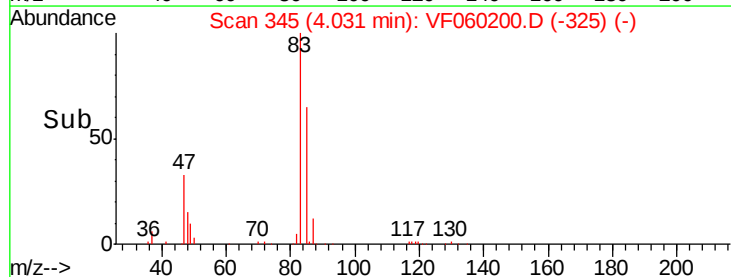
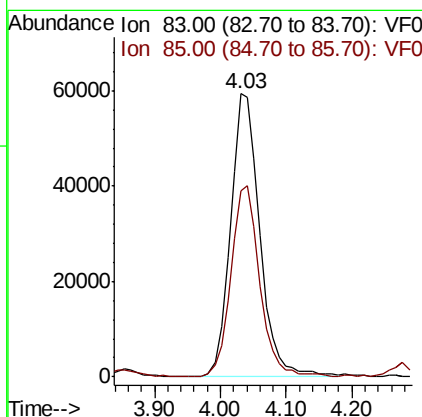
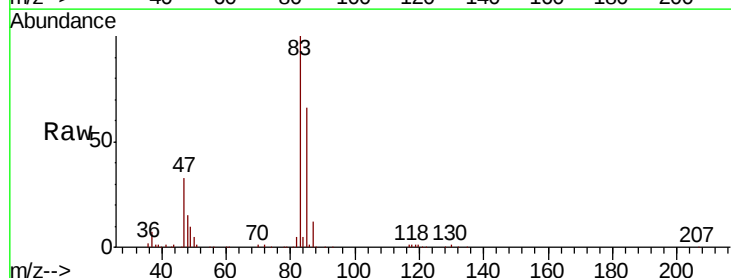
Manual Integrations
APPROVED

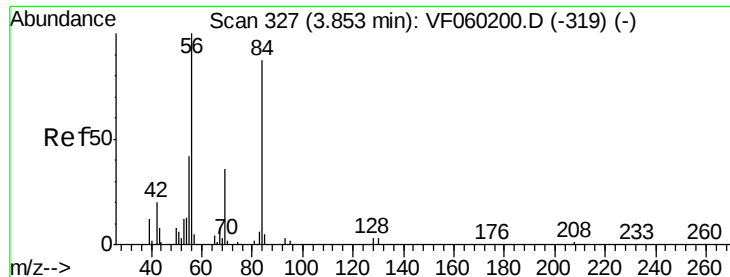
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#30
Chloroform
Concen: 49.00 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 49.36 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

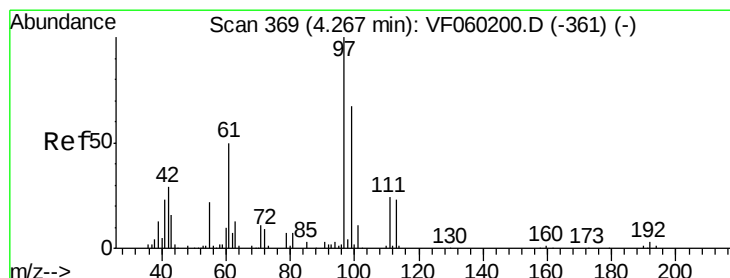
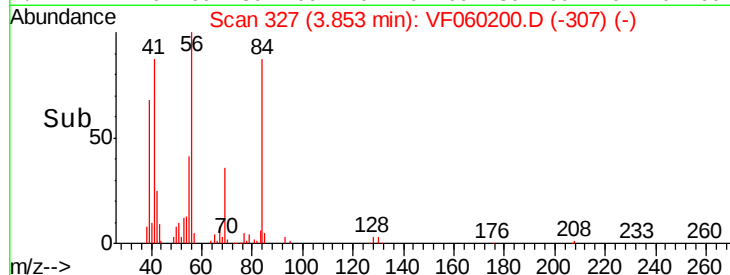
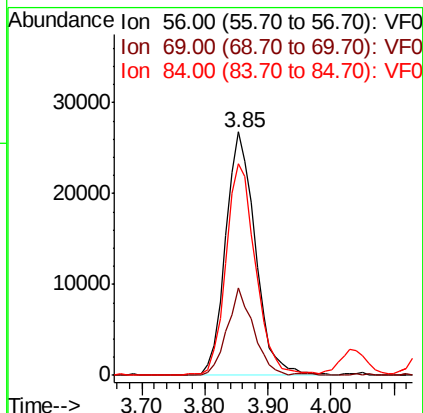
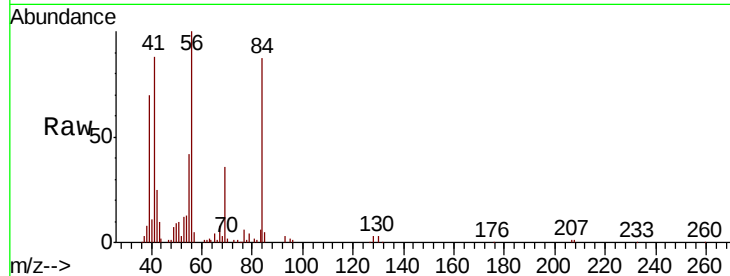
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	87145
Ion	Ratio	Lower	Upper
56	100		
69	35.9	28.7	43.1
84	87.1	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.63 ug/l

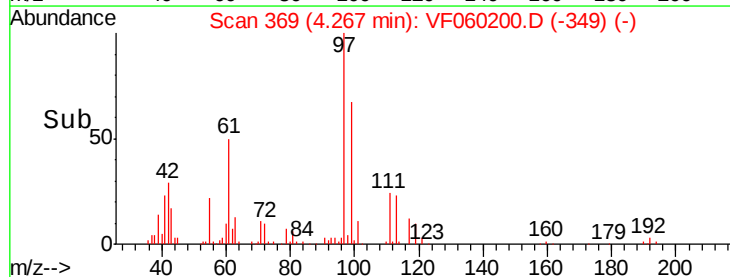
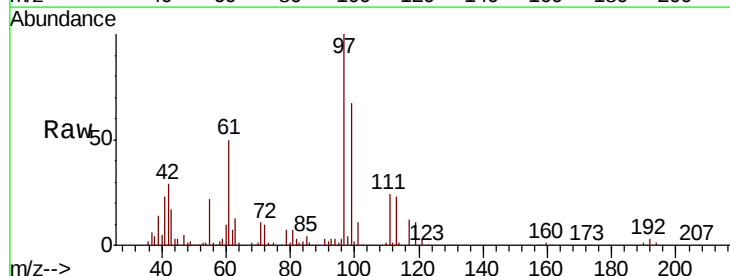
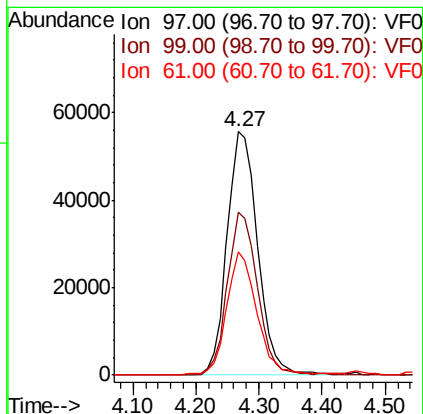
RT: 4.27 min Scan# 369

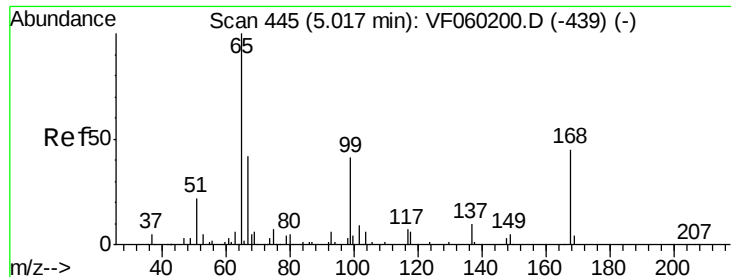
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	97	Resp:	186911
Ion	Ratio	Lower	Upper
97	100		
99	66.9	53.5	80.3
61	50.5	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 50.56 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tot Ion: 65 Resp: 129721

Ion Ratio Lower Upper

65 100

67 43.6 0.0 87.2

Instrument :

MSVOA_F

ClientSampleId :

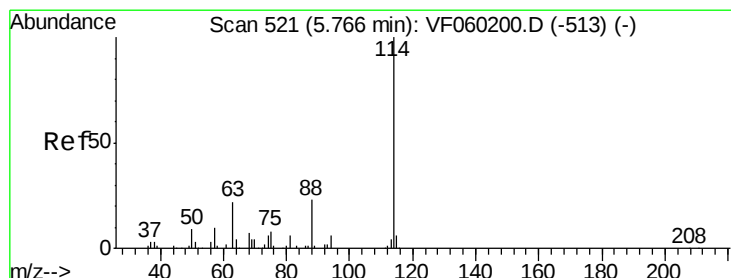
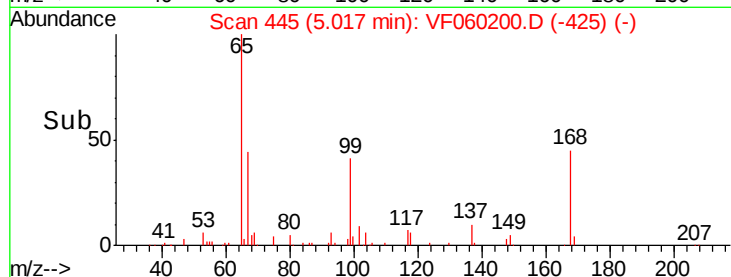
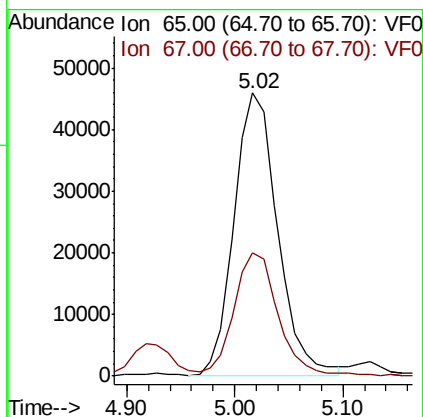
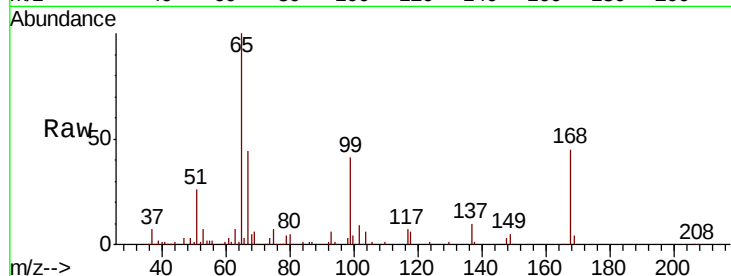
VSTDICCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

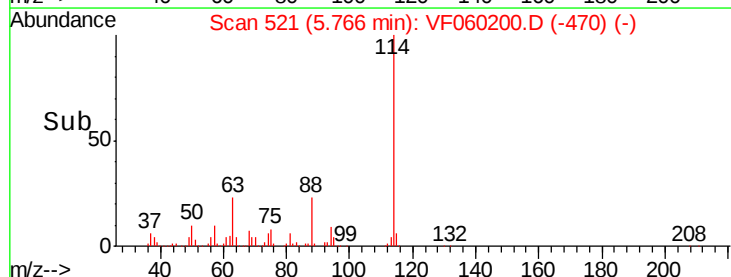
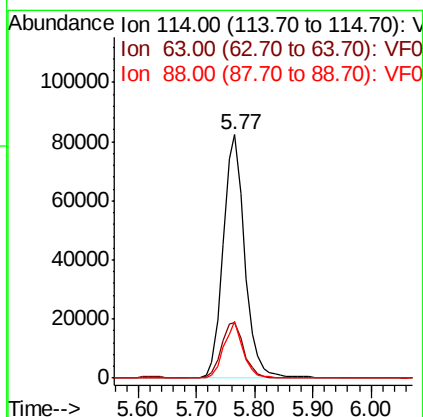
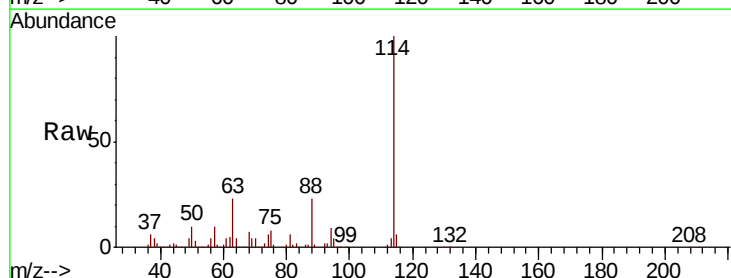
Tgt Ion: 114 Resp: 210677

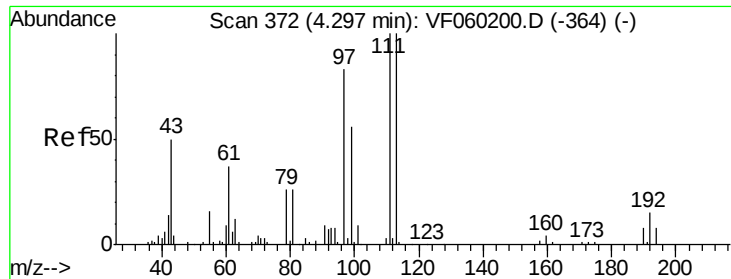
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 23.2 0.0 46.4





#35

Dibromofluoromethane

Concen: 47.30 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:113 Resp: 97637

Ion Ratio Lower Upper

113 100

111 100.2 80.2 120.2

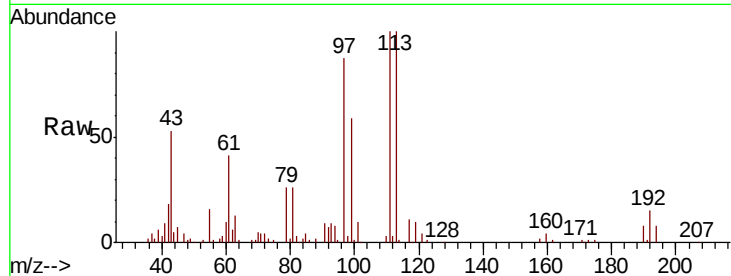
192 14.8 11.8 17.8

Manual Integrations

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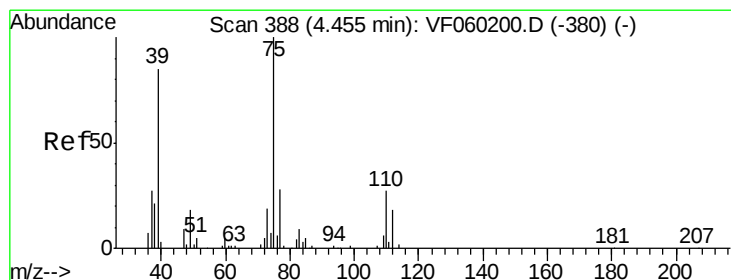
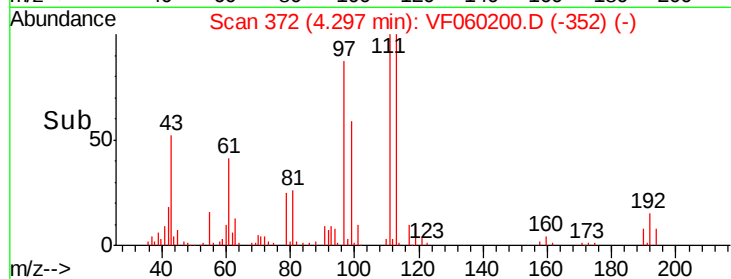
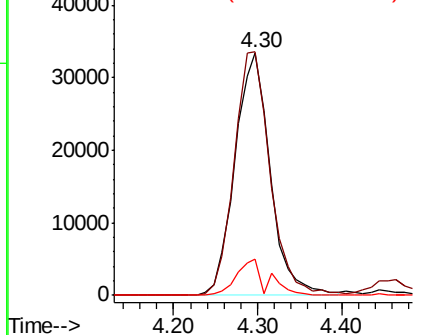
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.55 ug/l

RT: 4.45 min Scan# 388

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

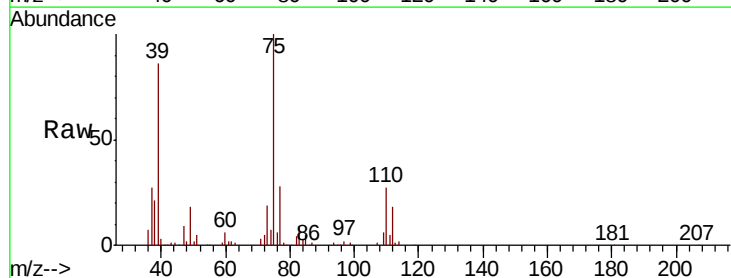
Tgt Ion: 75 Resp: 122872

Ion Ratio Lower Upper

75 100

110 27.1 13.6 40.7

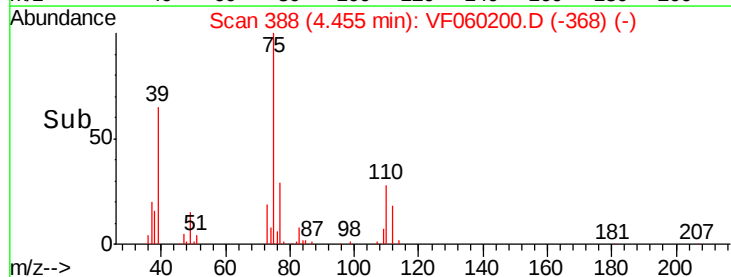
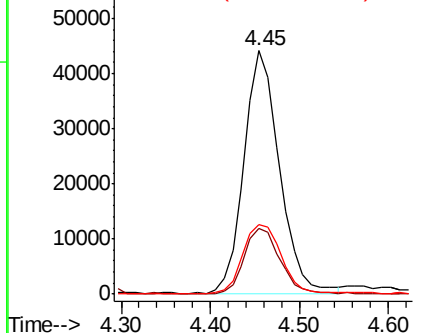
77 28.4 22.7 34.1

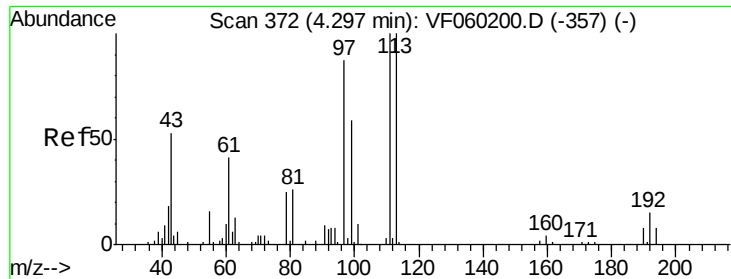


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





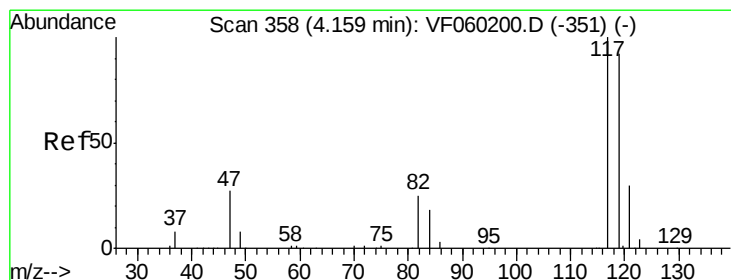
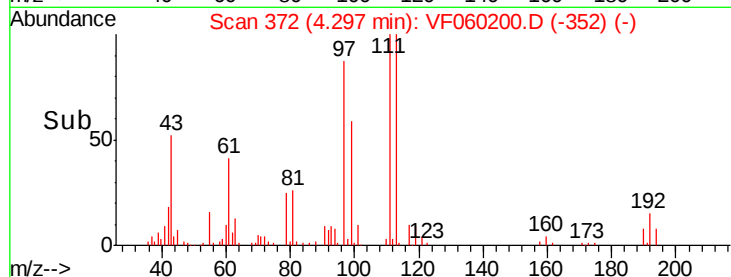
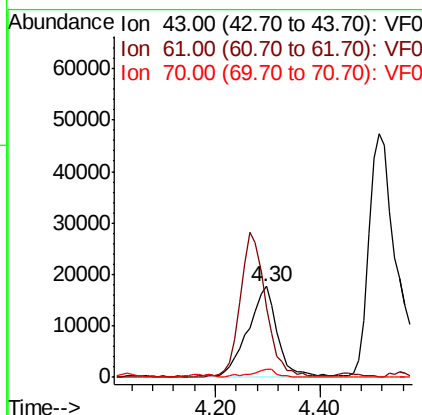
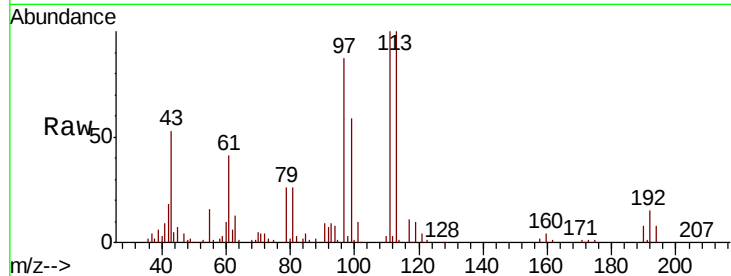
#37
Ethyl Acetate
Concen: 55.35 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70
Resp	68932	77.0	8.6
Ratio	100	77.0	8.6
Lower		61.6	6.9
Upper		92.4	10.3

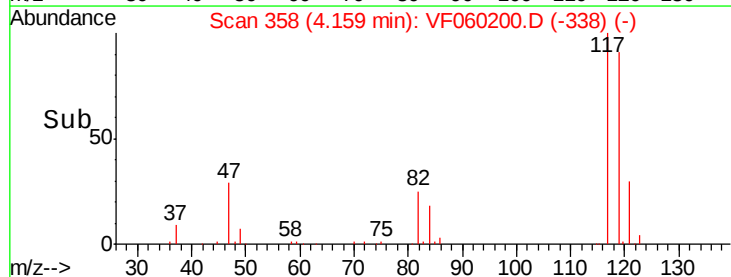
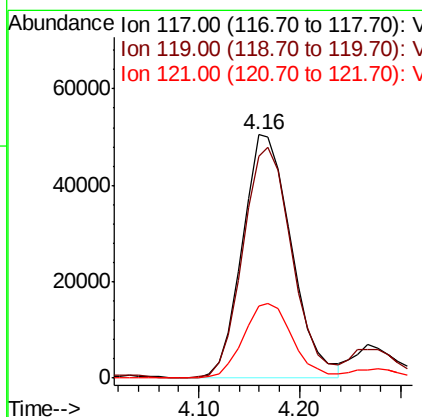
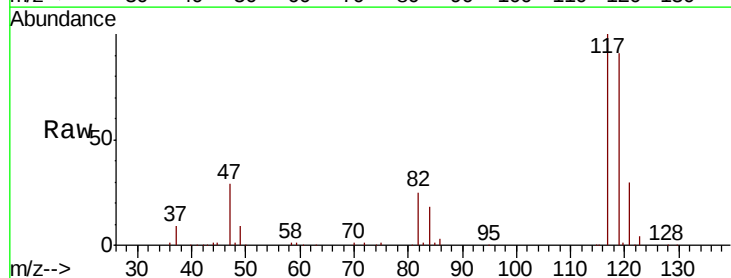
Manual Integrations
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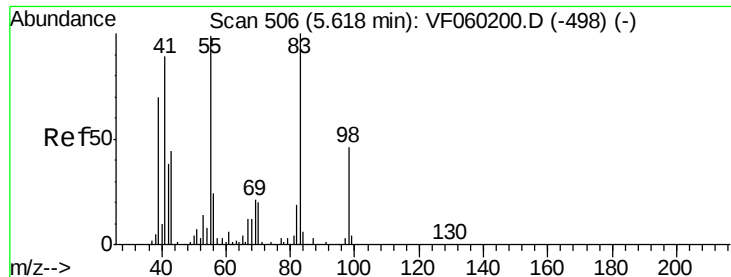
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#38
Carbon Tetrachloride
Concen: 49.77 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	117	119	121
Resp	169685	91.3	29.9
Ratio	100	91.3	29.9
Lower		73.0	23.9
Upper		109.6	35.9





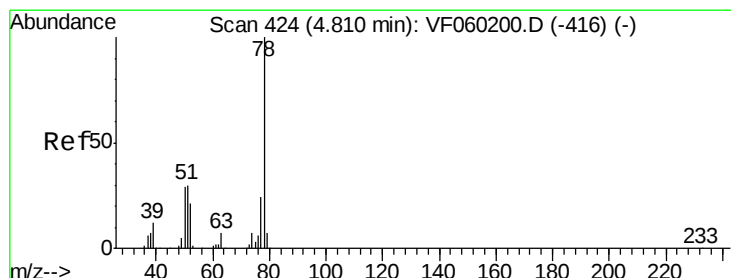
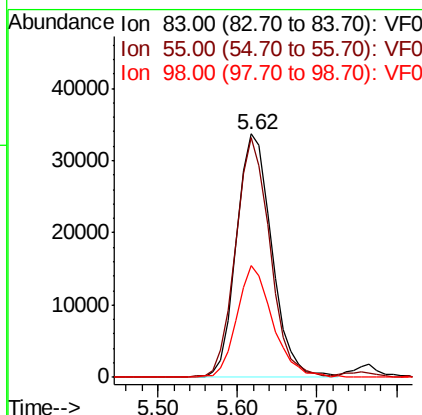
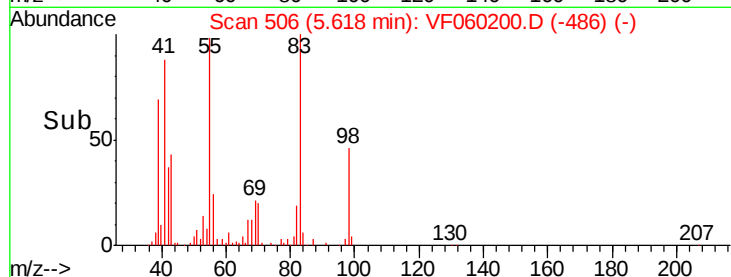
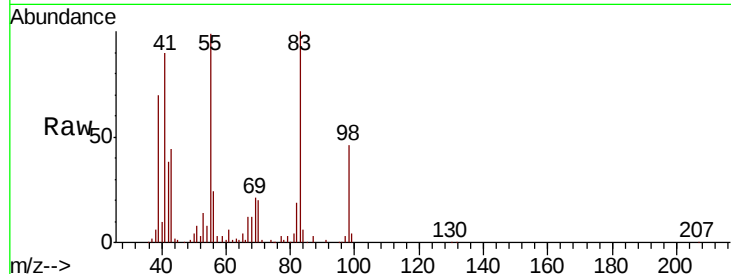
#39
Methvlcvclohexane
Concen: 49.89 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.7	79.0	118.4
98	45.9	36.7	55.1

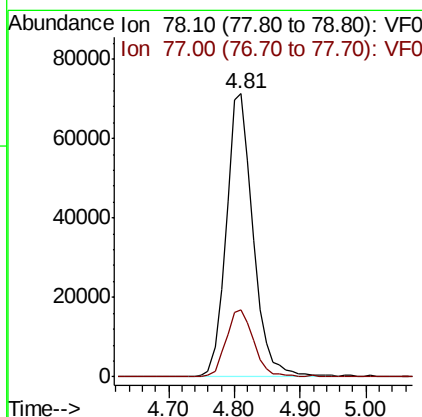
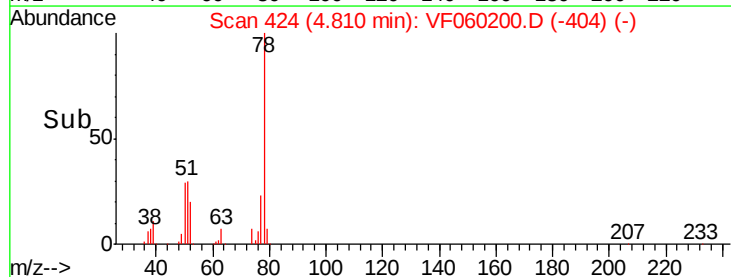
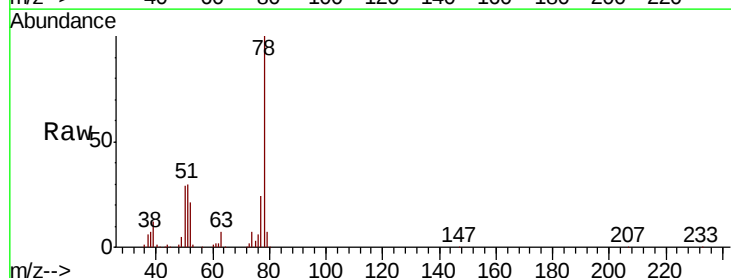
Manual Integrations
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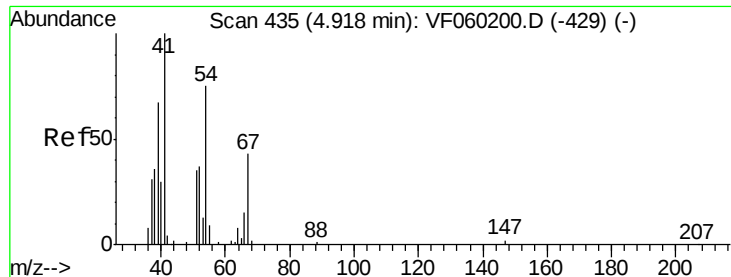
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#40
Benzene
Concen: 46.09 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





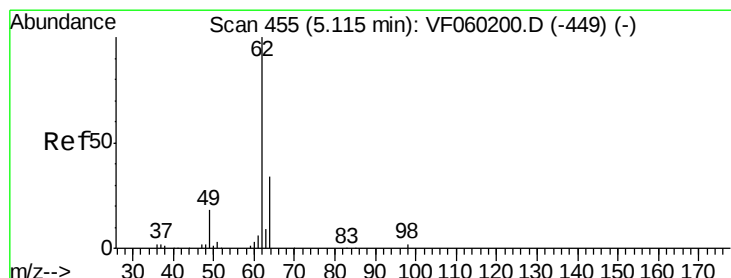
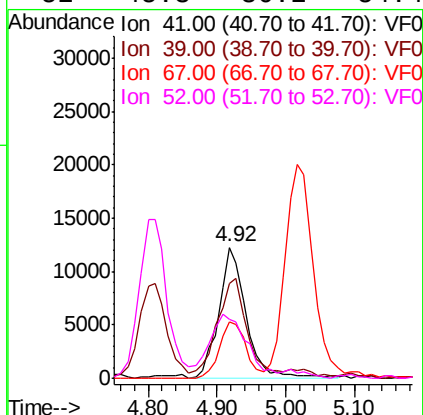
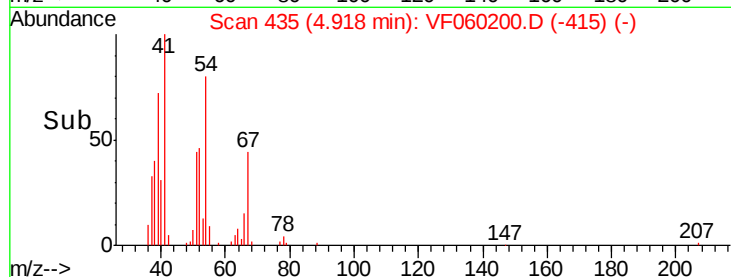
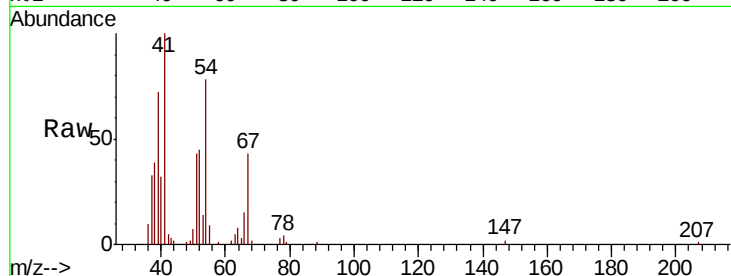
#41
Methacrylonitrile
Concen: 52.50 ug/l
RT: 4.92 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.8	57.4	86.2	
67	43.3	34.6	52.0	
52	45.3	36.2	54.4	

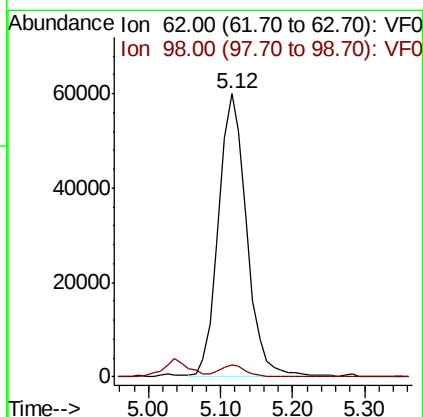
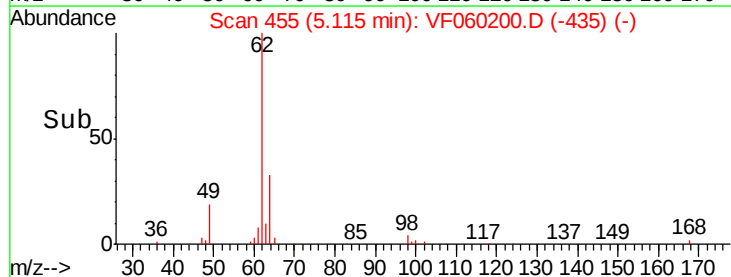
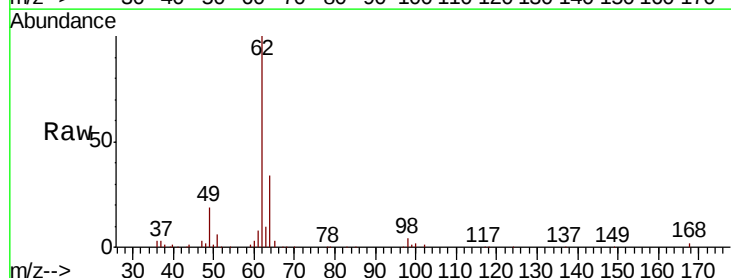
Manual Integrations
APPROVED

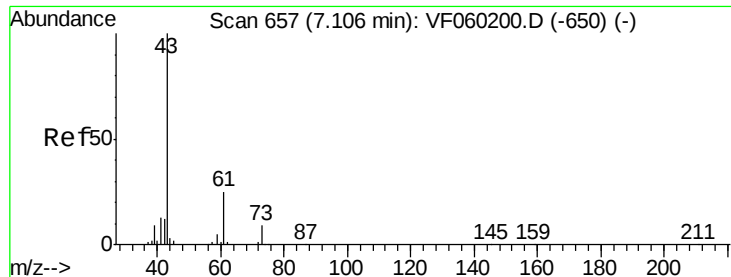
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#42
1,2-Dichloroethane
Concen: 50.49 ug/l
RT: 5.12 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.4	0.0	8.8	





#43

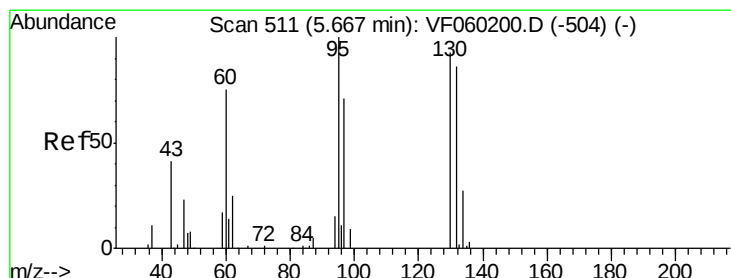
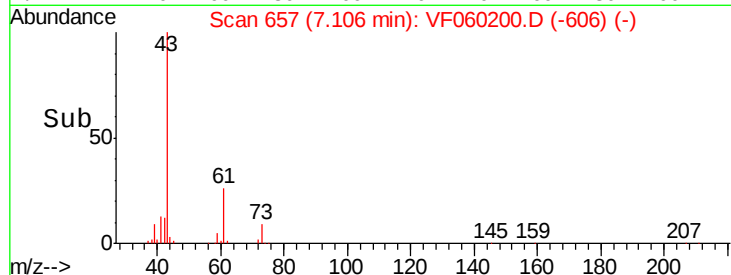
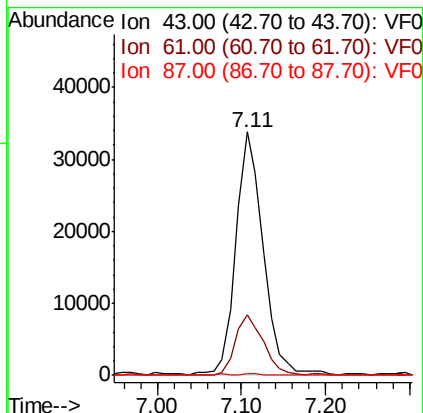
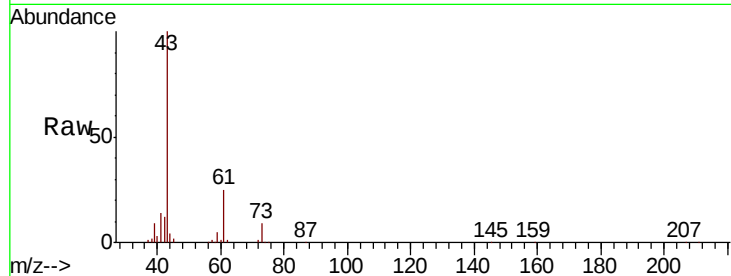
Isopropyl Acetate
 Concen: 53.35 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:	43	Resp:	76950
Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.9	29.9
87	0.5	0.4	0.6

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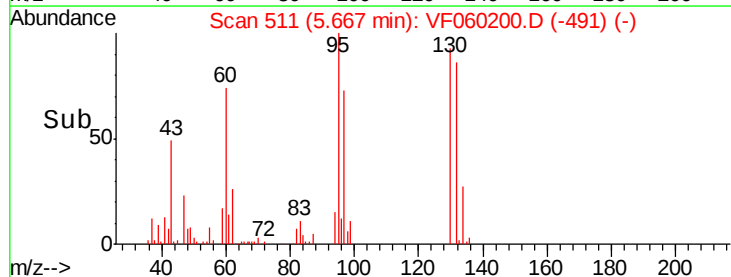
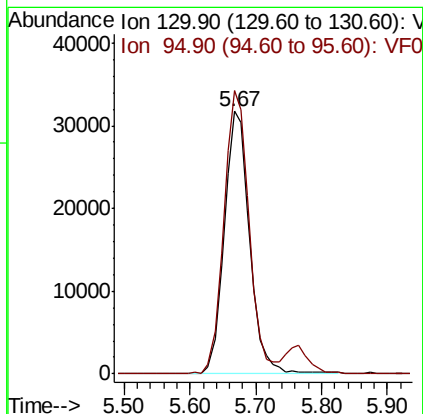
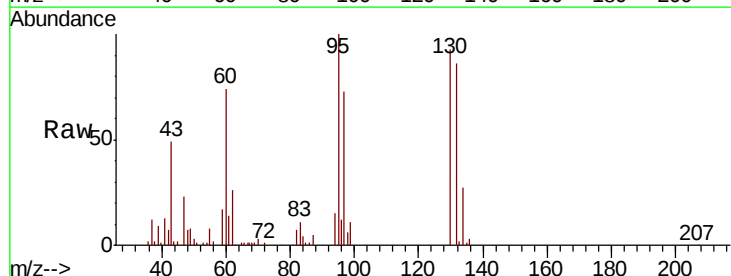
apatel
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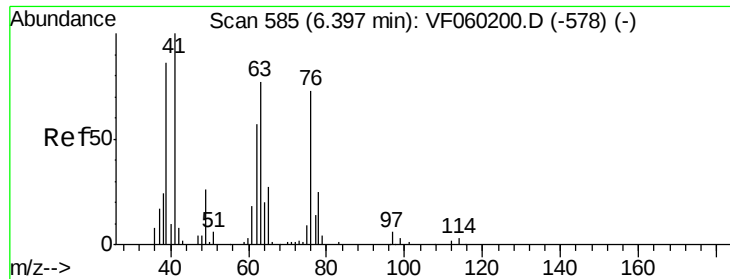


#44

Trichloroethene
 Concen: 47.98 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion:	130	Resp:	85850
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	215.4





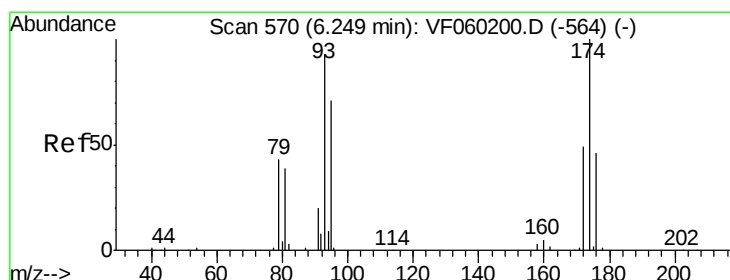
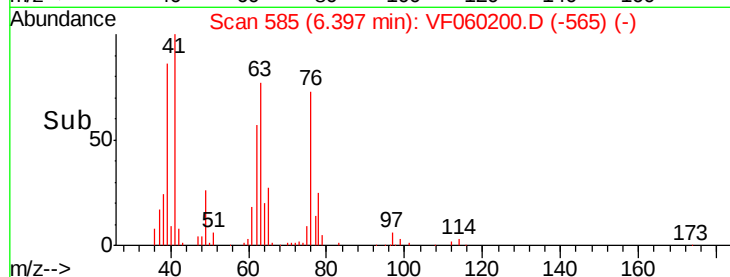
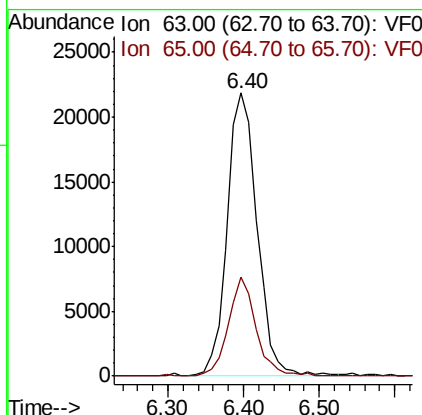
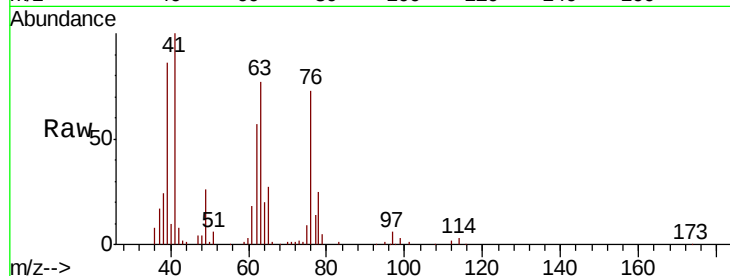
#45
 1,2-Dichloropropane
 Concen: 47.69 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	59878
Ion Ratio	Lower	Upper	
63	100		
65	34.9	27.9	41.9

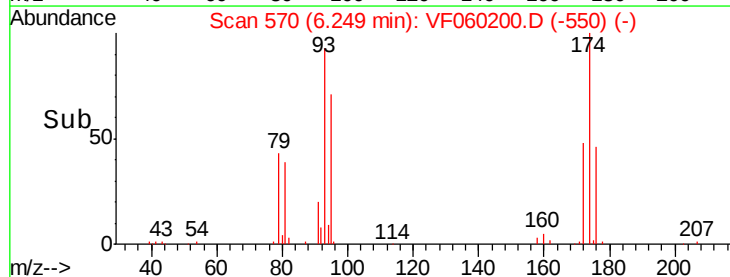
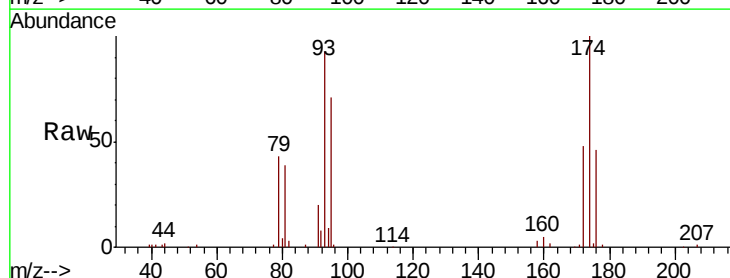
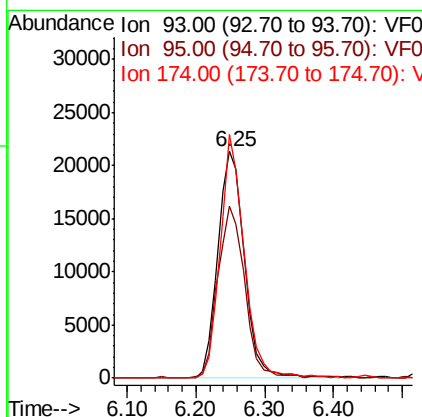
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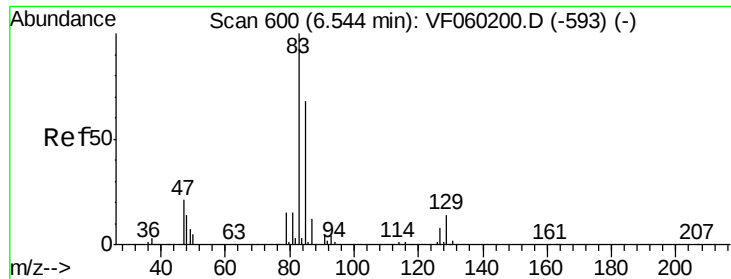
apatel
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#46
 Dibromomethane
 Concen: 51.55 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	93	Resp	56995
Ion Ratio	Lower	Upper	
93	100		
95	76.8	61.4	92.2
174	107.4	85.9	128.9





#47

Bromodichloromethane

Concen: 50.63 ug/l

RT: 6.54 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

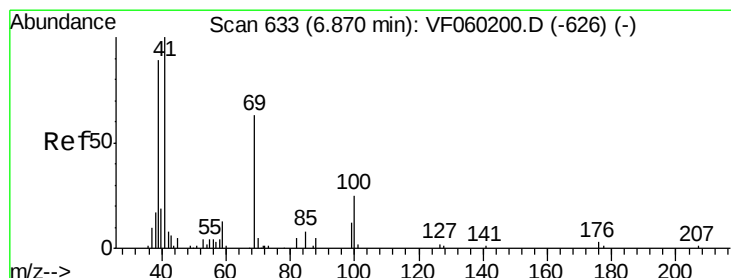
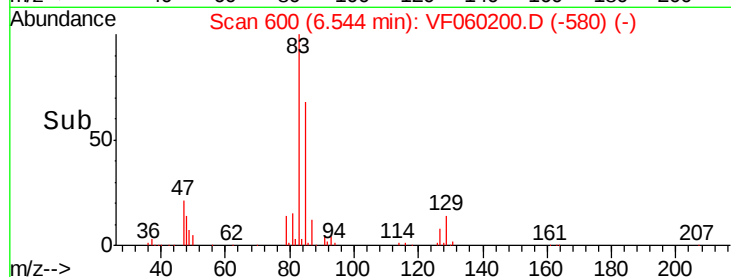
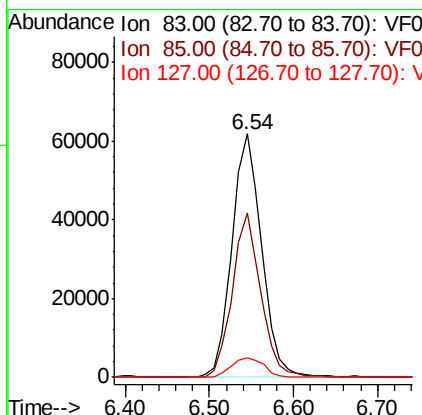
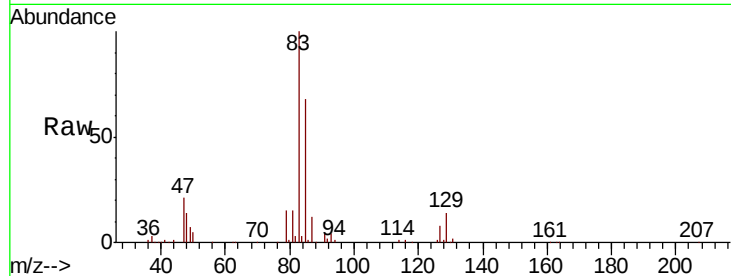
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	151930
Ion	Ratio	Lower	Upper
83	100		
85	67.5	54.0	81.0
127	8.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.63 ug/l

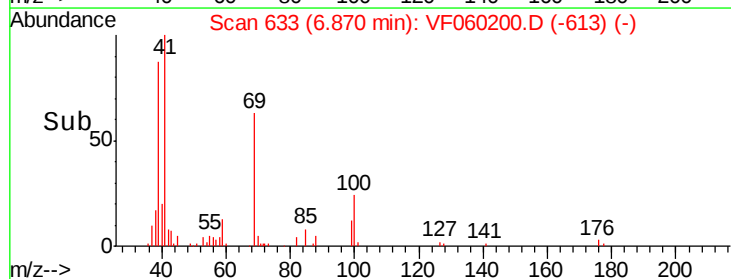
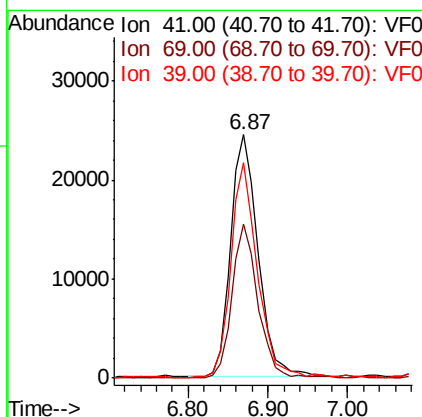
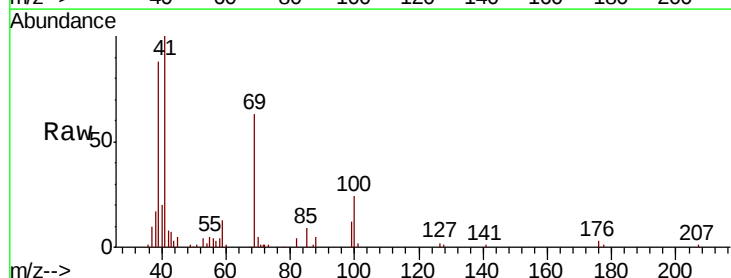
RT: 6.87 min Scan# 633

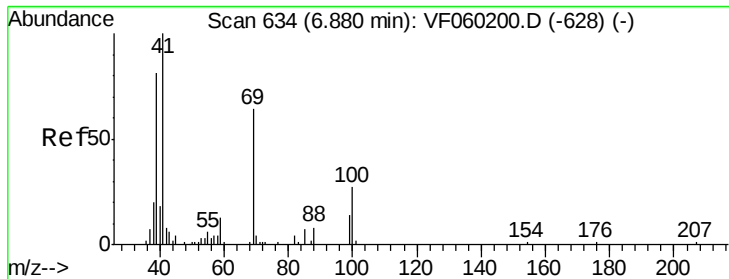
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	41	Resp:	59152
Ion	Ratio	Lower	Upper
41	100		
69	63.0	50.4	75.6
39	88.3	70.6	106.0





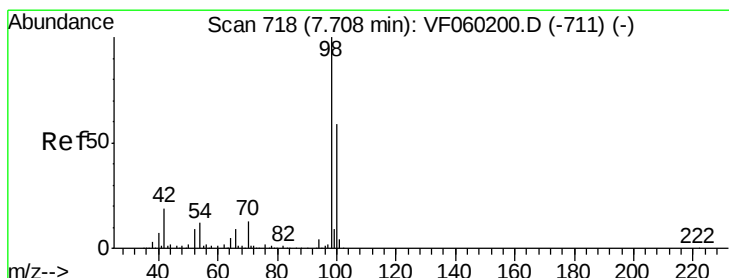
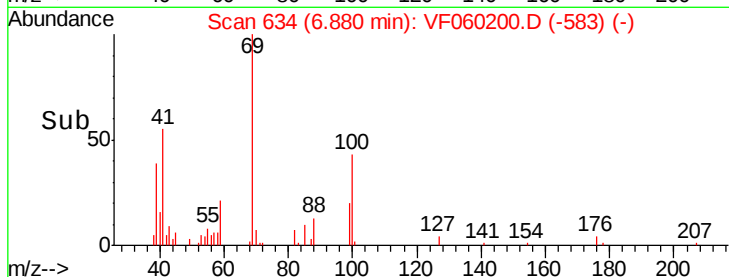
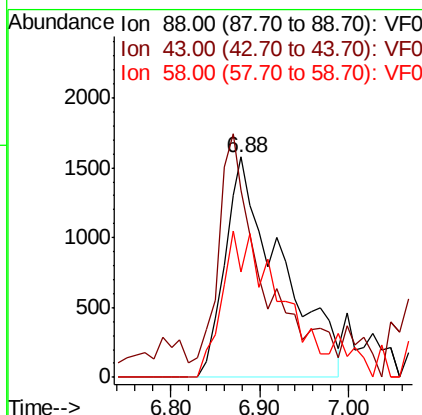
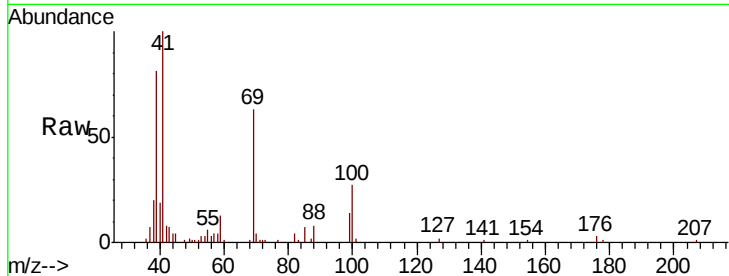
#49
1,4-Dioxane
Concen: 410.58 ug/l
RT: 6.88 min Scan# 634
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6912		
43	85.1		68.1	102.1
58	47.6		38.1	57.1

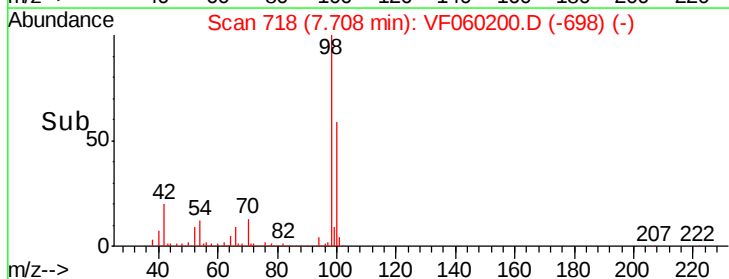
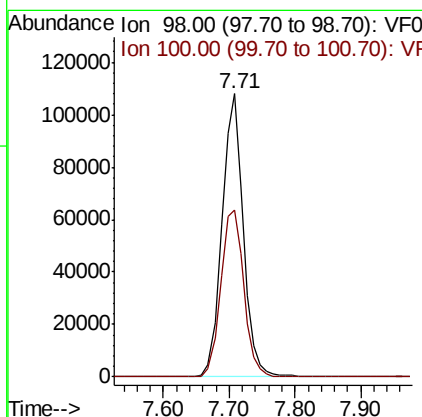
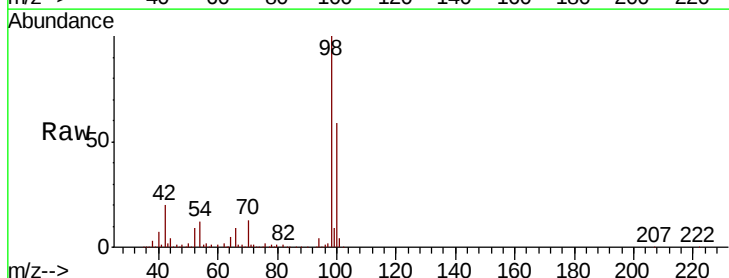
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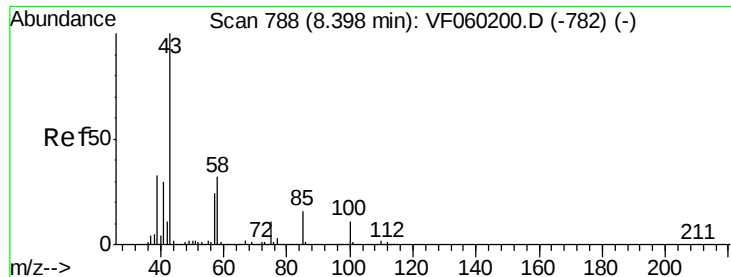
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#50
Toluene-d8
Concen: 47.38 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	244065		
100	59.2		47.4	71.0





#51

4-Methyl-2-Pentanone

Concen: 250.29 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 320731

Ion Ratio Lower Upper

43 100

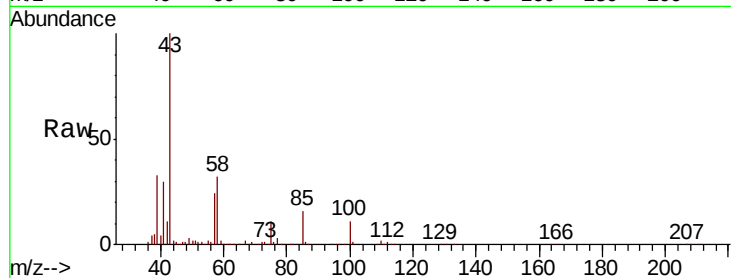
58 32.2 25.8 38.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

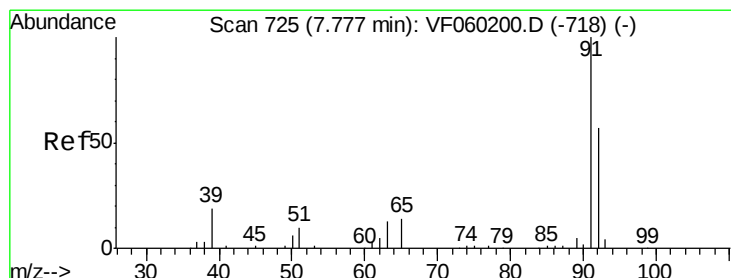
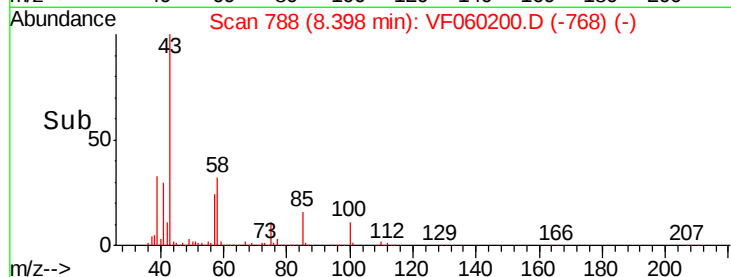
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 47.24 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060200.D

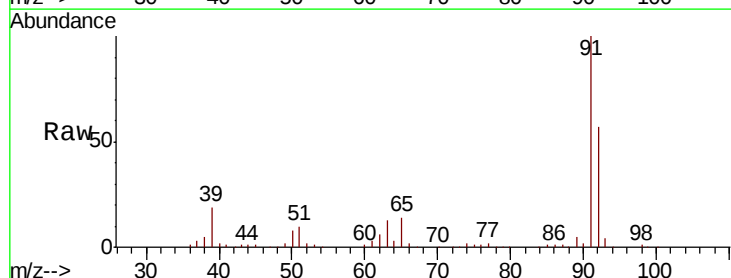
Acq: 6 Sep 2018 13:11

Tgt Ion: 92 Resp: 161619

Ion Ratio Lower Upper

92 100

91 175.0 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

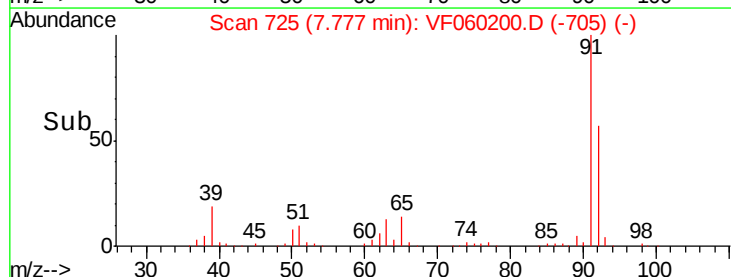
100000

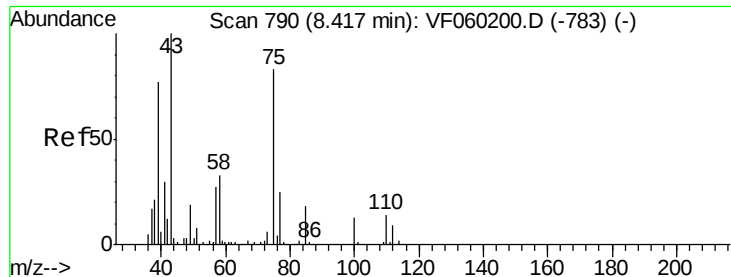
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.76 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 135564

Ion Ratio Lower Upper

75 100

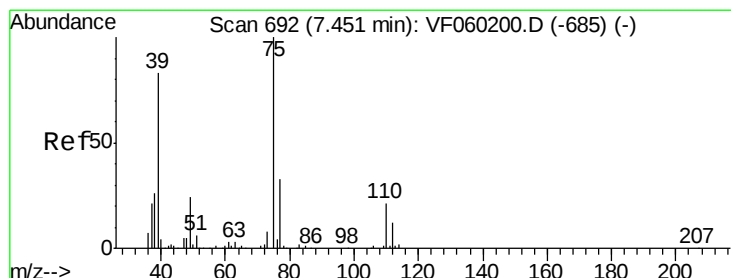
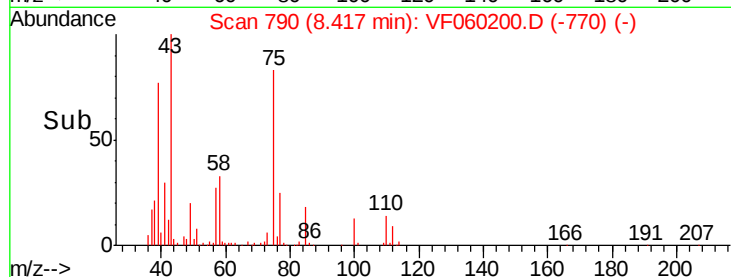
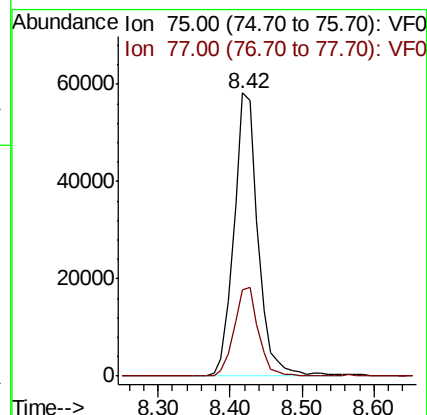
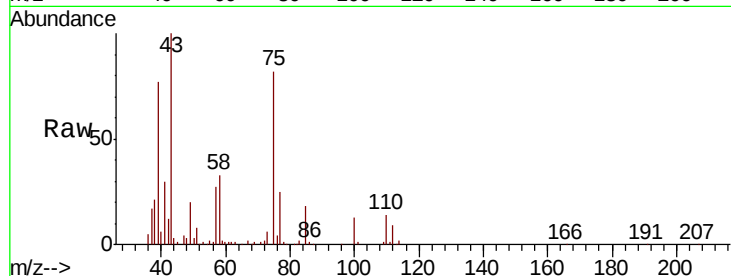
77 30.4 24.3 36.5

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#54

cis-1,3-Dichloropropene

Concen: 52.96 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

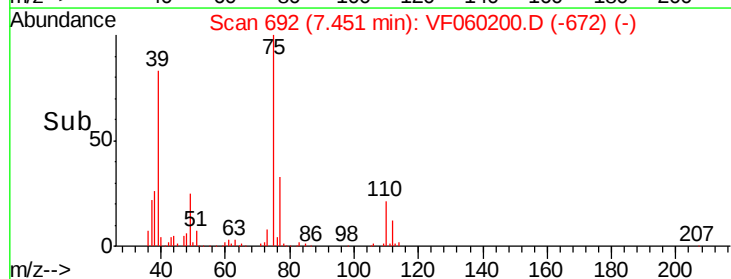
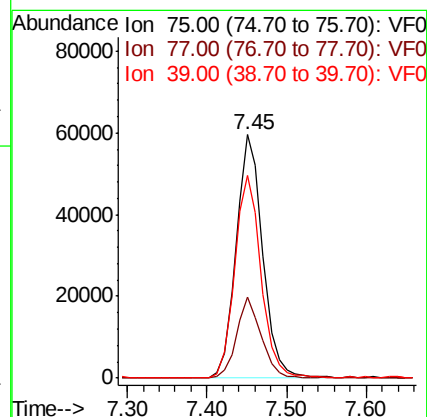
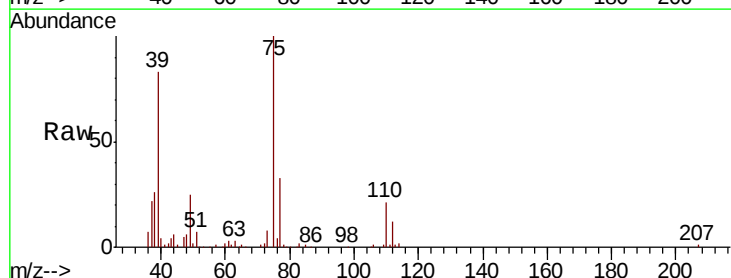
Tgt Ion: 75 Resp: 138636

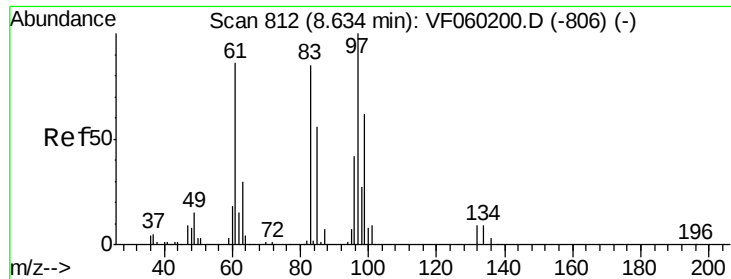
Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8

39 83.3 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 51.09 ug/l

RT: 8.63 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

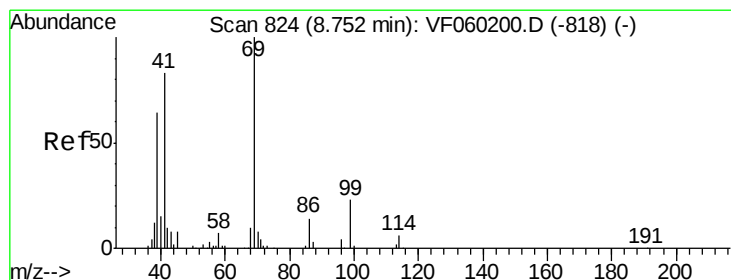
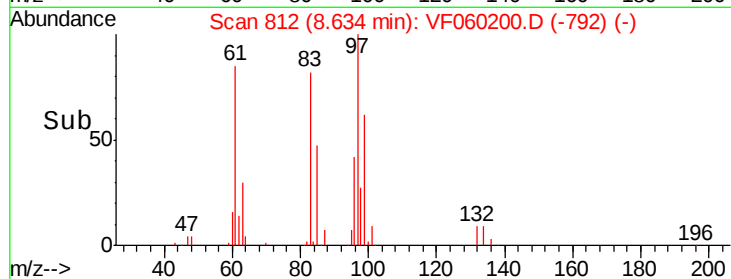
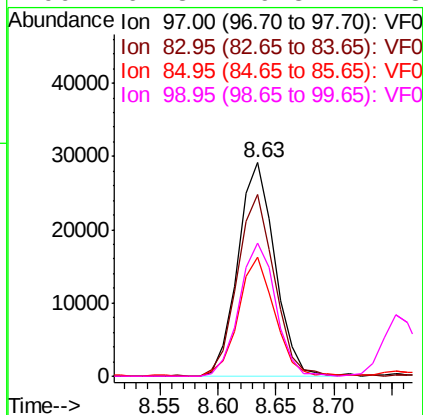
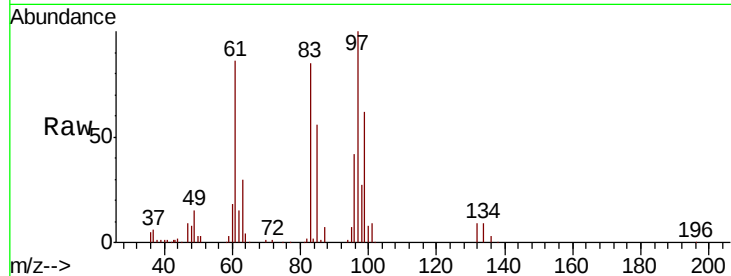
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	64291
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	55.7	44.6	66.8
99	62.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 52.11 ug/l

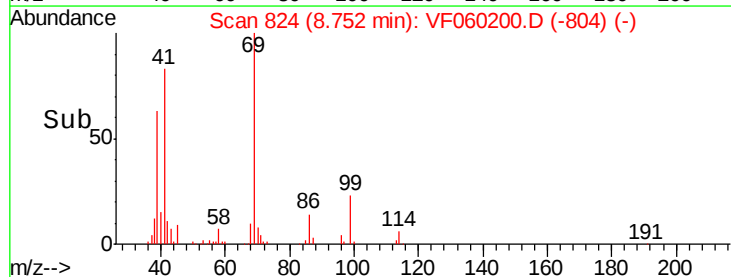
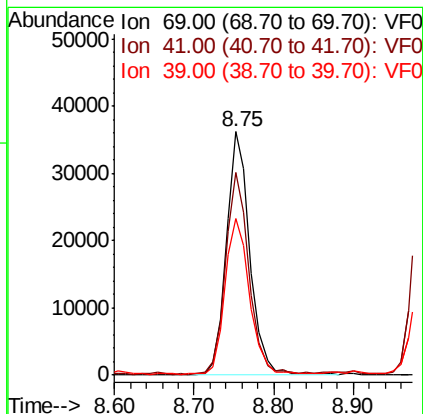
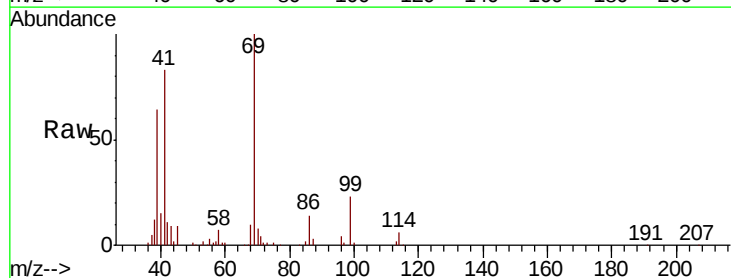
RT: 8.75 min Scan# 824

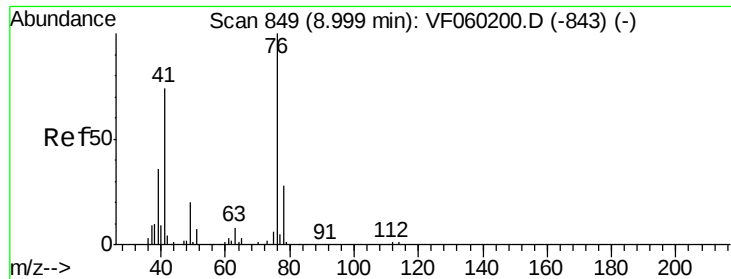
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	69	Resp:	74972
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.6	100.0
39	64.4	51.5	77.3





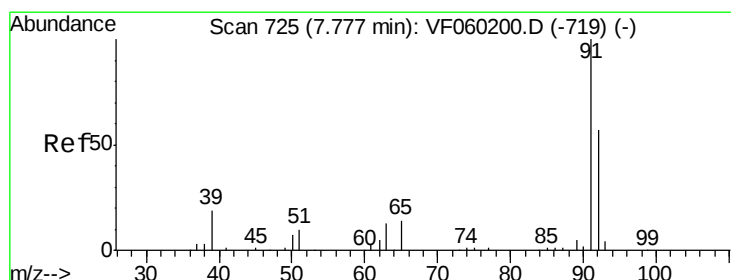
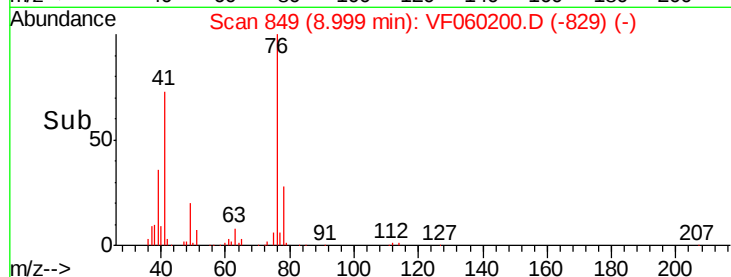
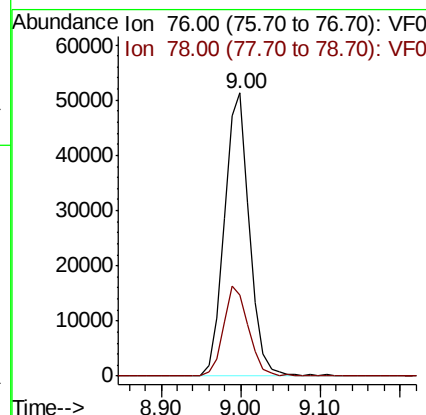
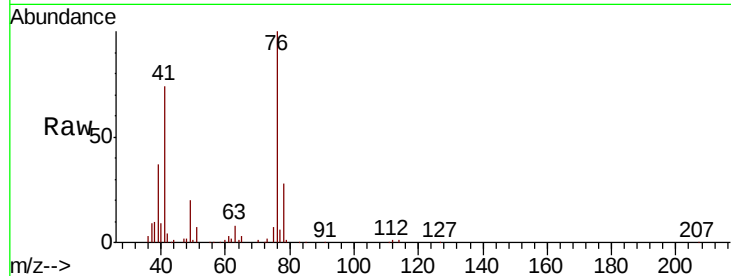
#57
 1,3-Dichloropropane
 Concen: 50.71 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.5	22.8	34.2

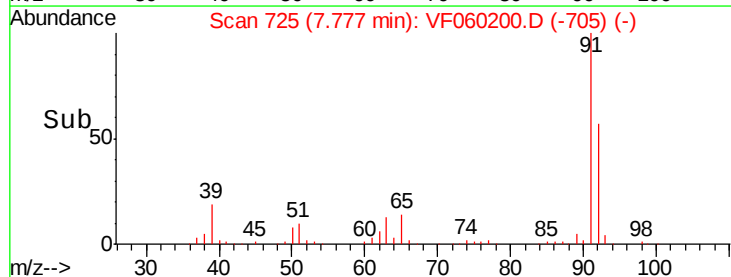
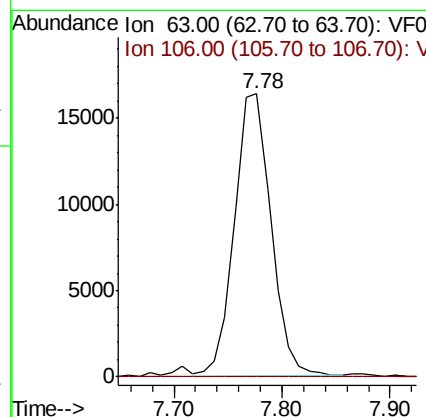
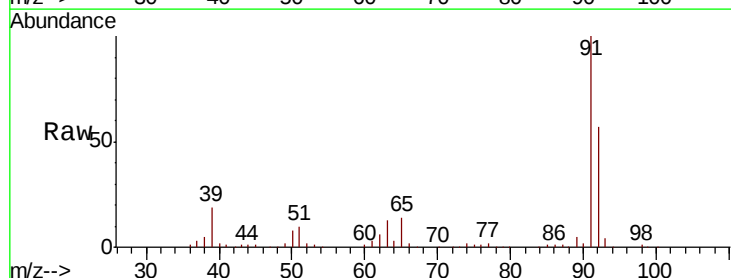
Manual Integrations
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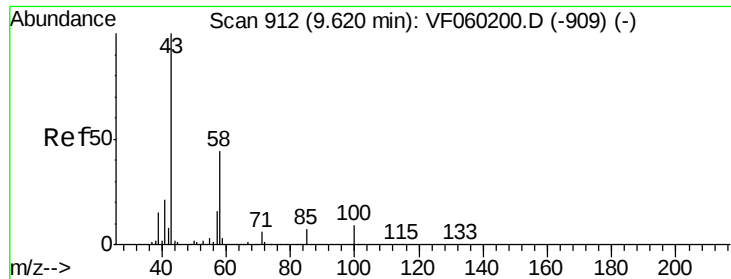
apatel
 9/7/2018 11:53:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.06 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





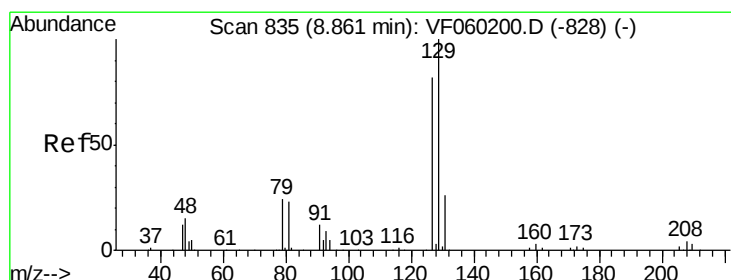
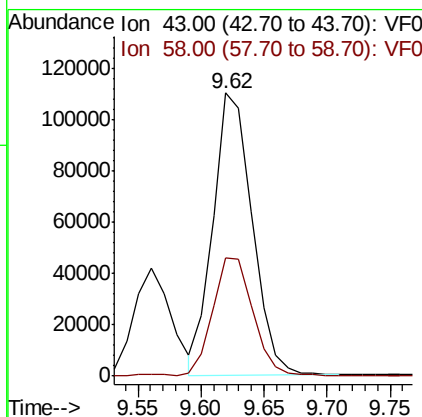
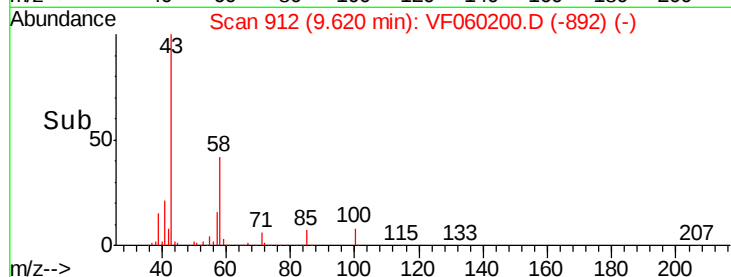
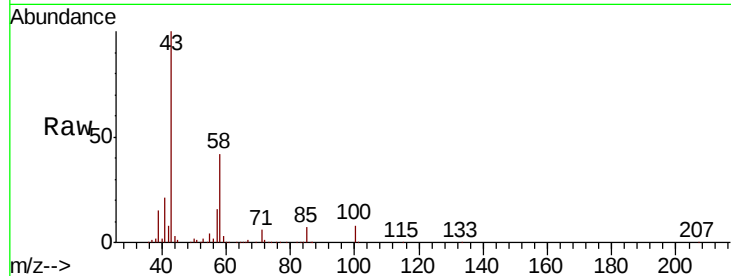
#59
2-Hexanone
Concen: 247.85 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	20.8	62.5

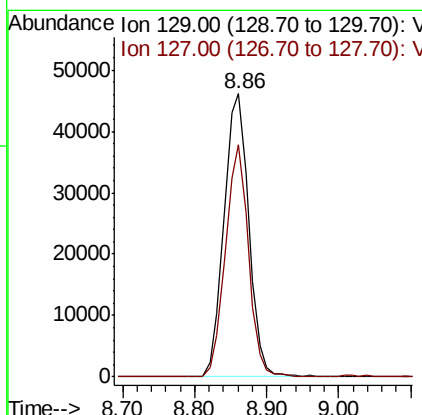
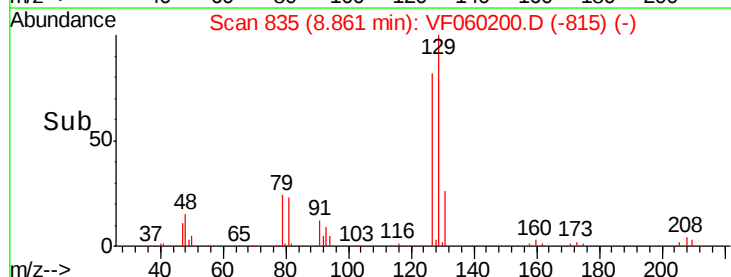
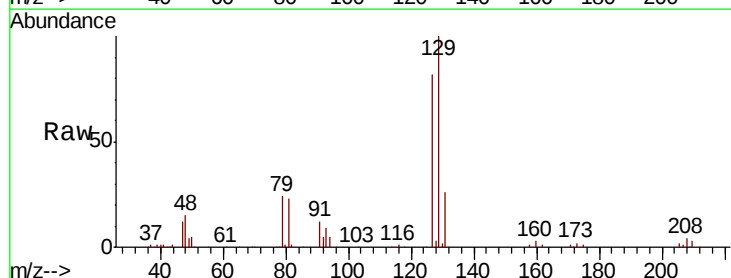
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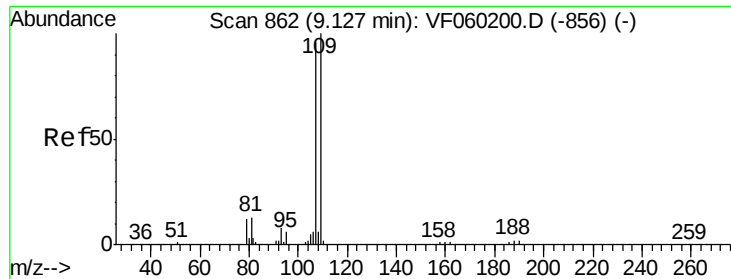
apatel
9/7/2018 11:53:27 AM



#60
Dibromochloromethane
Concen: 52.84 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.9	40.9	122.8





#61

1,2-Dibromoethane

Concen: 51.21 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 77292

Ion Ratio Lower Upper

107 100

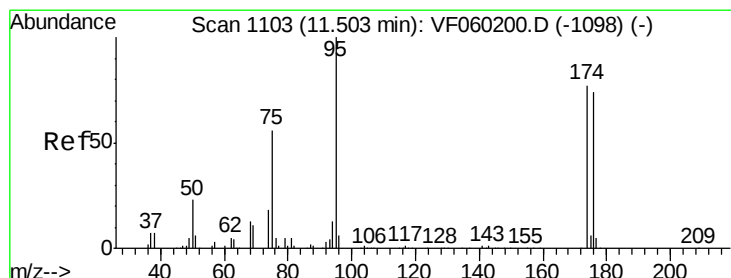
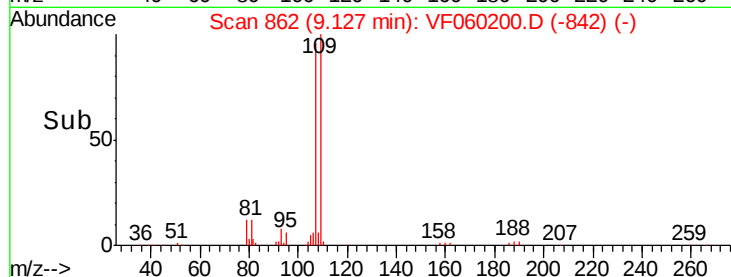
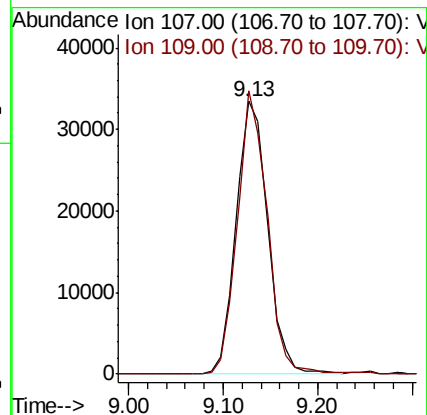
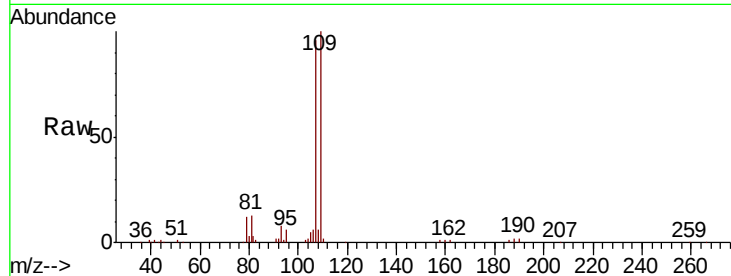
109 103.7 83.0 124.4

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#62

4-Bromofluorobenzene

Concen: 49.66 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

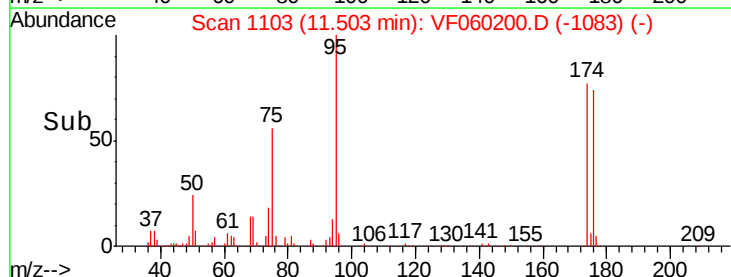
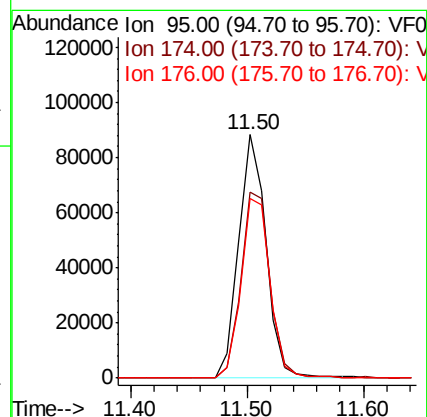
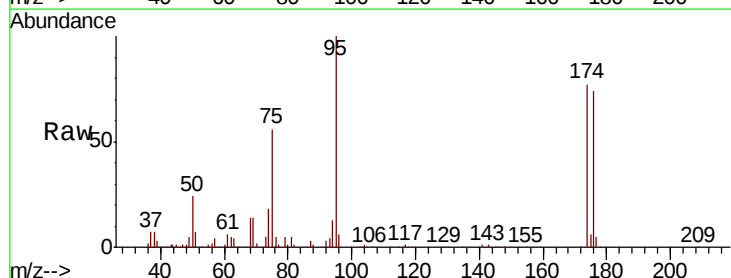
Tgt Ion: 95 Resp: 144318

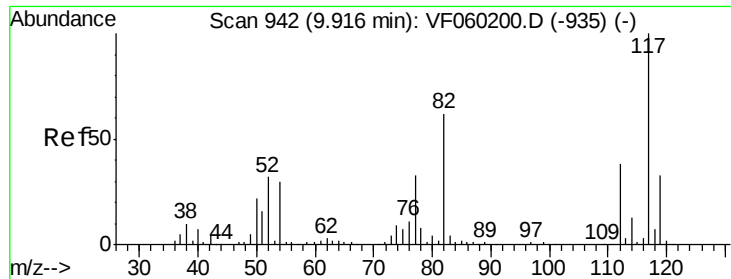
Ion Ratio Lower Upper

95 100

174 76.6 0.0 153.2

176 73.6 0.0 147.2





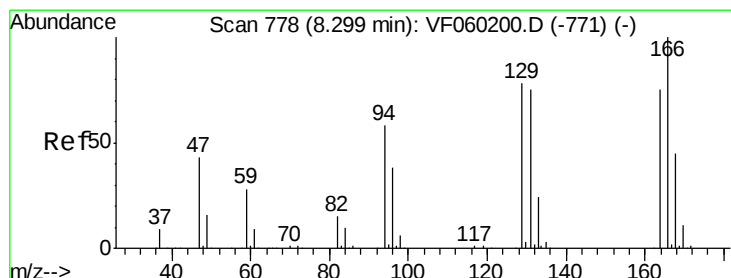
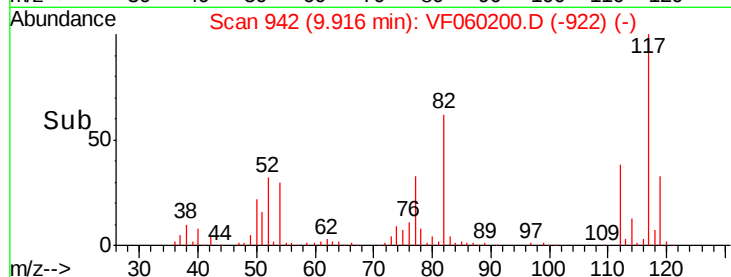
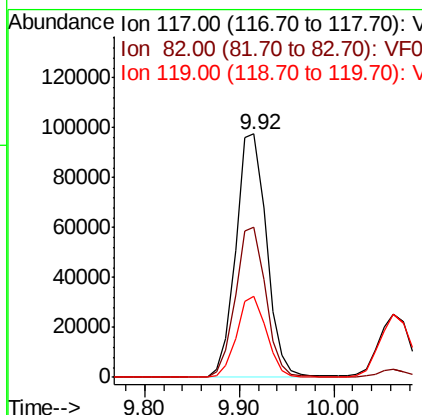
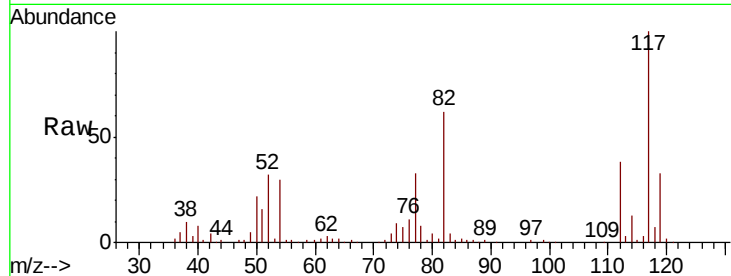
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.3	73.9
119	33.1	26.5	39.7

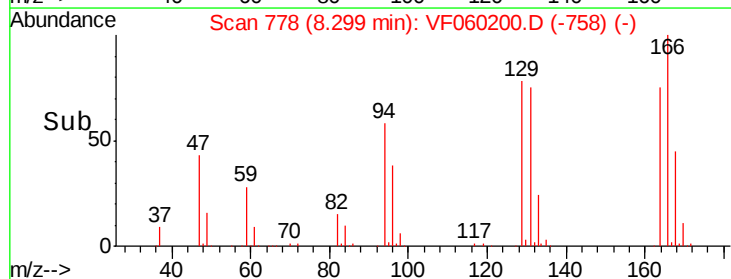
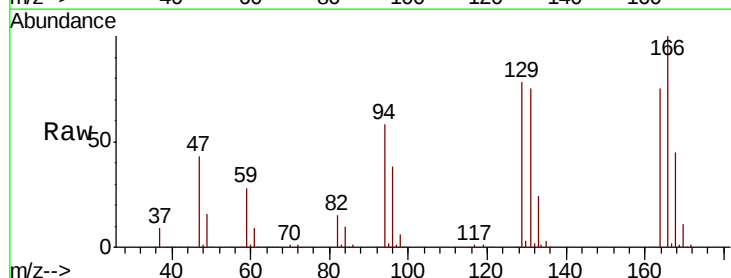
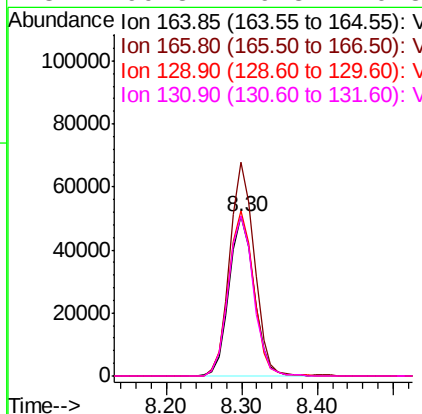
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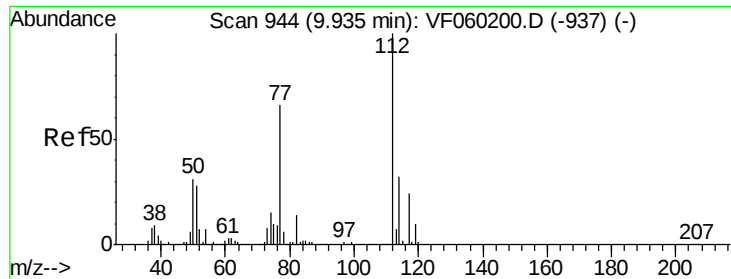
apatel
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#64
Tetrachloroethene
Concen: 51.14 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	107.0	160.4
129	103.8	83.0	124.6
131	99.8	79.8	119.8





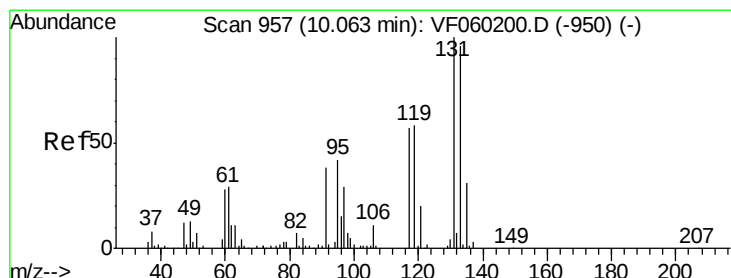
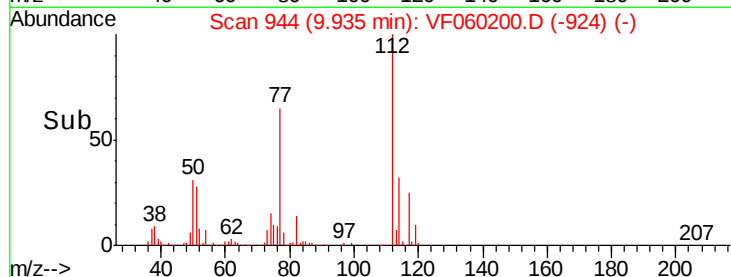
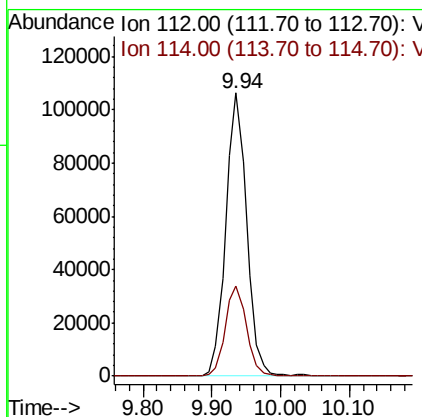
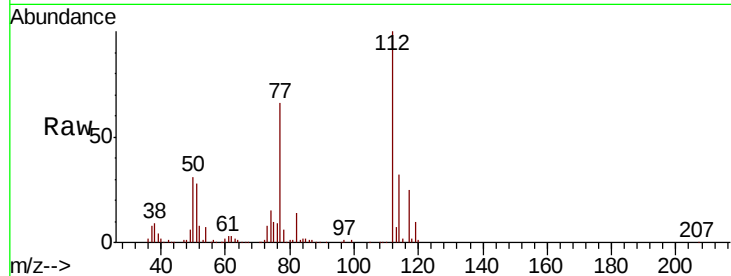
#65
Chlorobenzene
Concen: 49.05 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

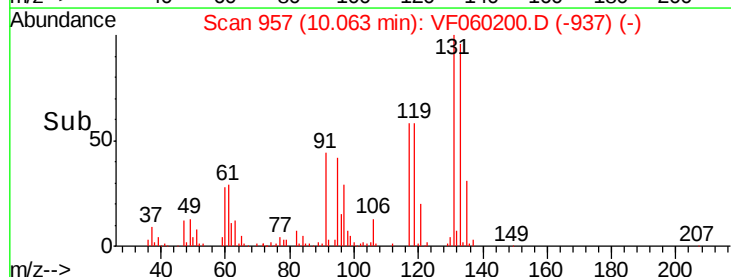
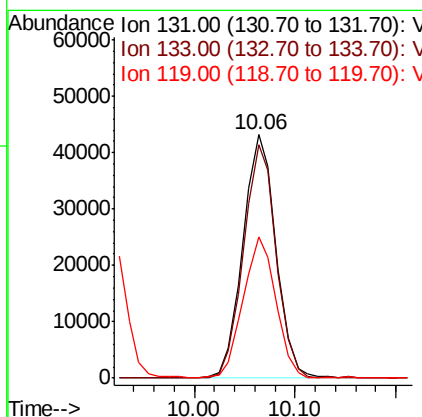
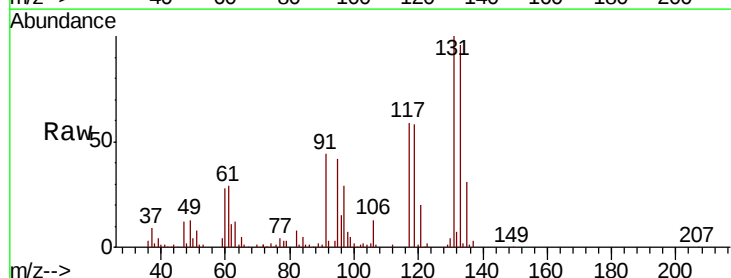
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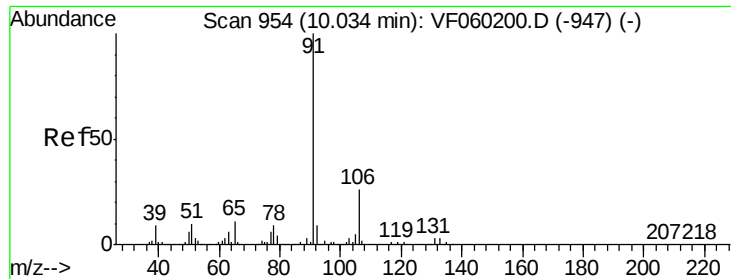
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.68 ug/l
RT: 10.06 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.8
119	58.0	29.0	87.0





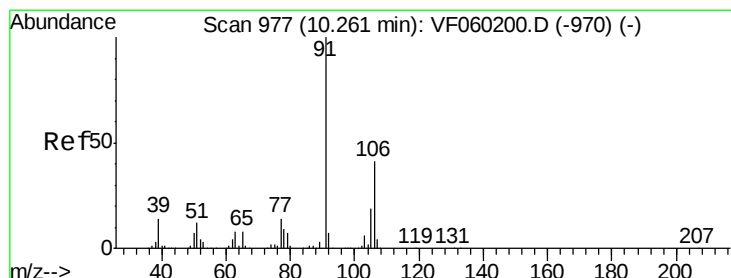
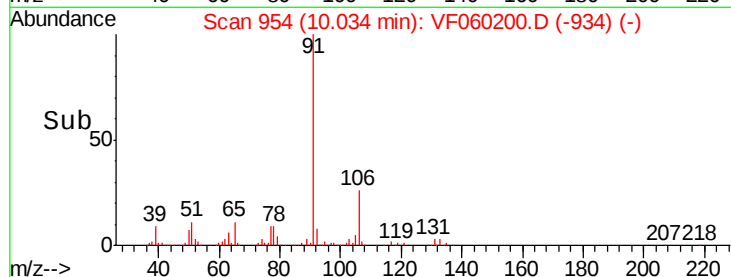
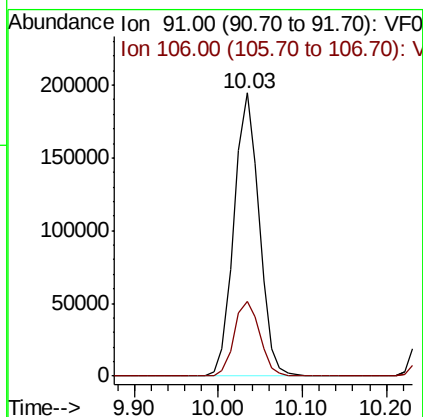
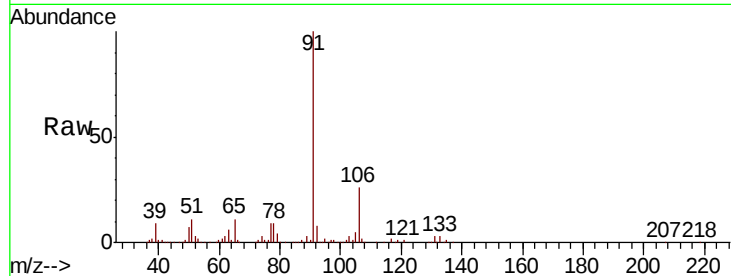
#67
Ethyl Benzene
Concen: 47.69 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 405952
Ion Ratio Lower Upper
91 100
106 26.4 21.1 31.7

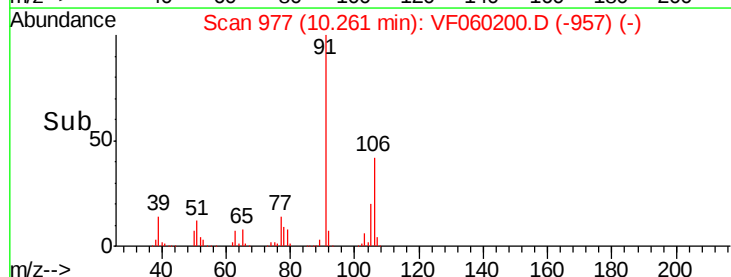
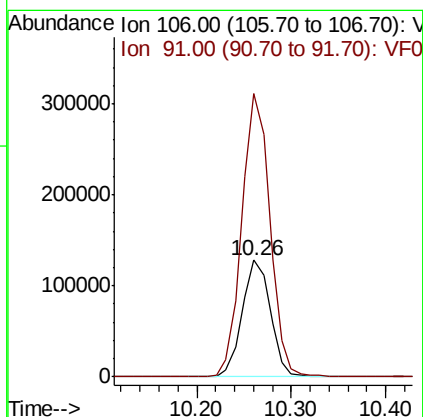
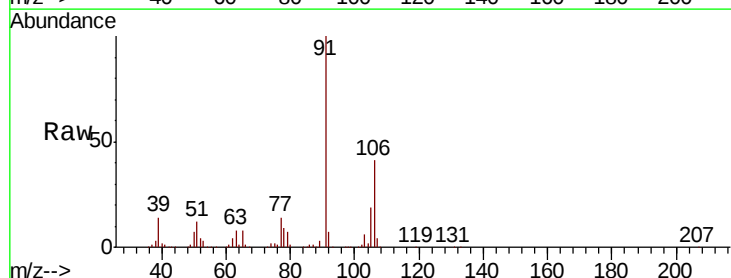
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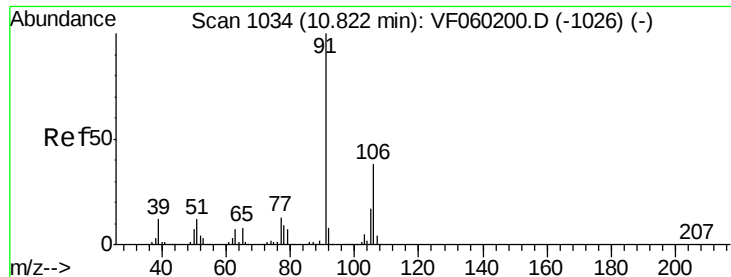
apatel
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#68
m/p-Xylenes
Concen: 93.26 ug/l
RT: 10.26 min Scan# 977
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion: 106 Resp: 266343
Ion Ratio Lower Upper
106 100
91 243.2 194.6 291.8





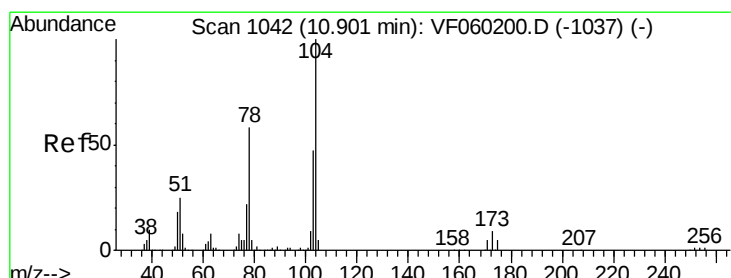
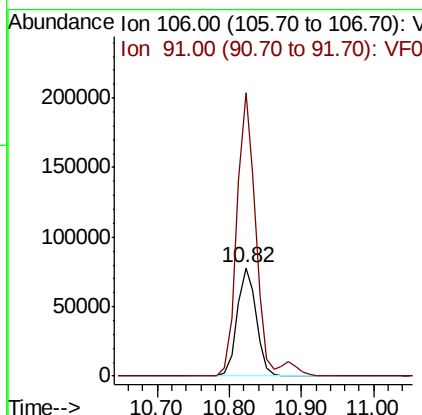
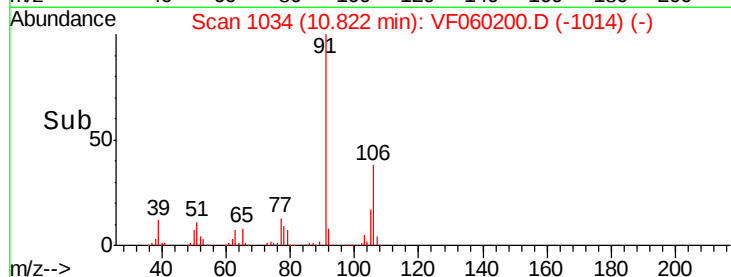
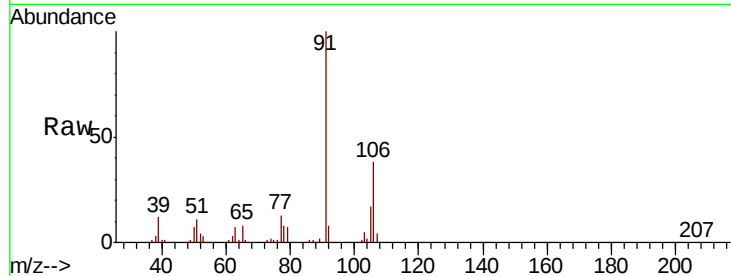
#69
o-Xylene
Concen: 47.63 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	261.0	130.5	391.5

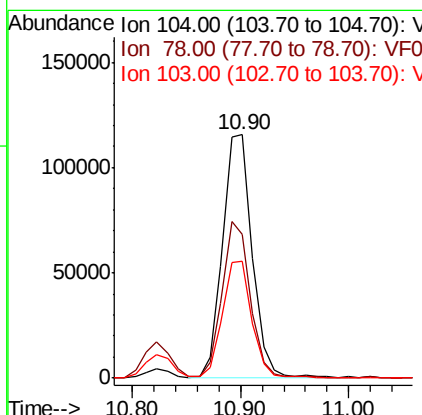
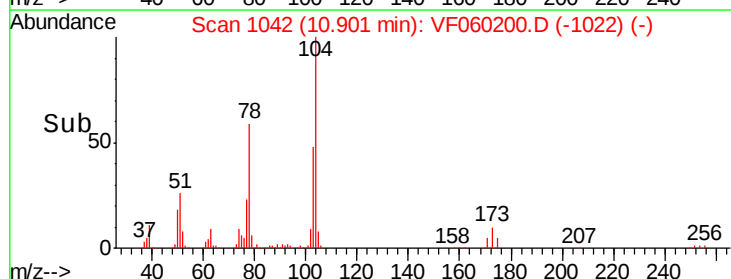
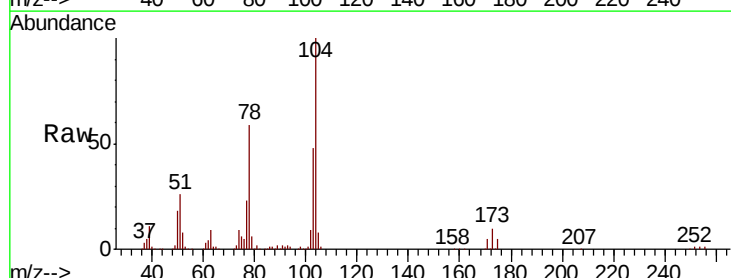
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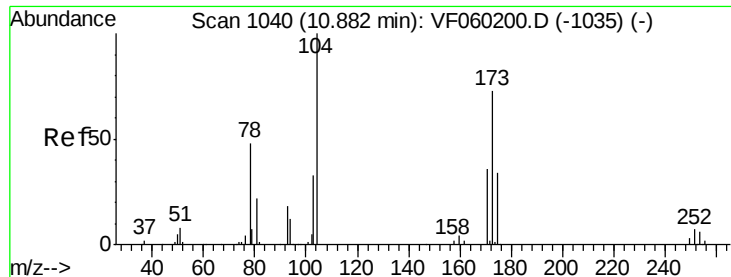
apatel
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#70
Styrene
Concen: 47.62 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.9	47.1	70.7
103	48.2	38.6	57.8





#71

Bromoform

Concen: 55.12 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 64353

Ion Ratio Lower Upper

173 100

175 46.2 23.1 69.3

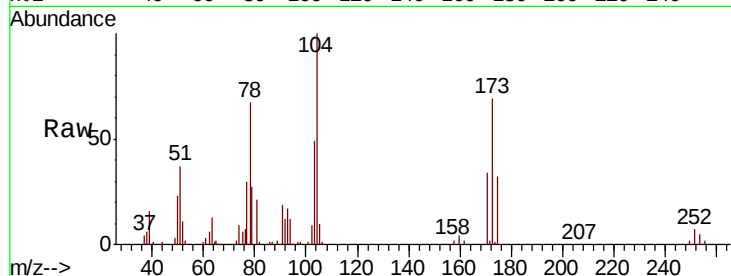
254 0.3 0.2 0.4

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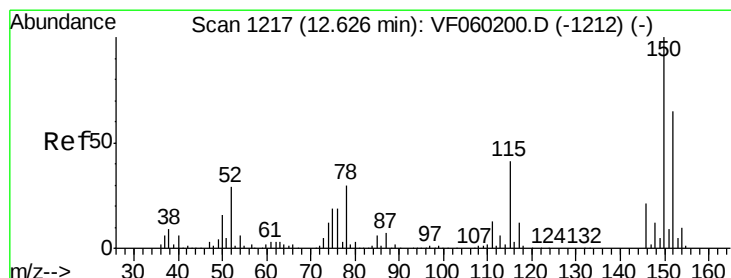
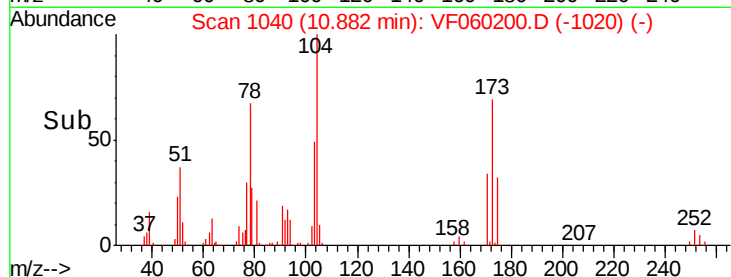
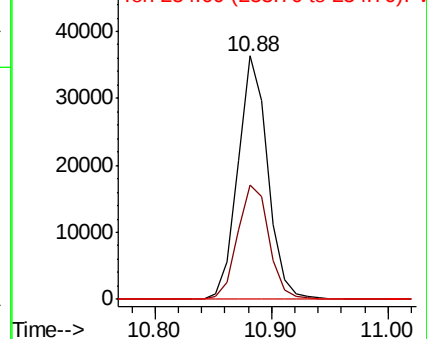


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

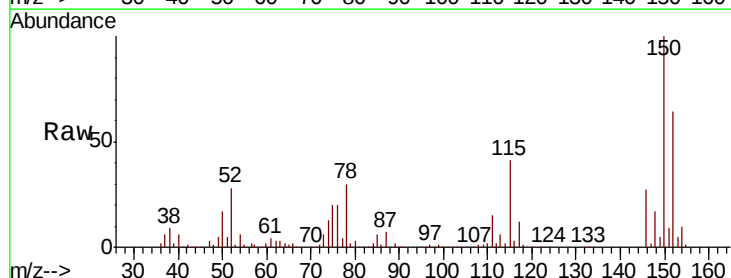
Tgt Ion:152 Resp: 139454

Ion Ratio Lower Upper

152 100

115 63.0 31.5 94.5

150 155.2 0.0 310.4

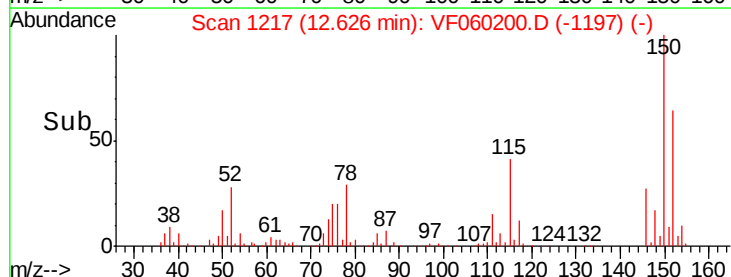
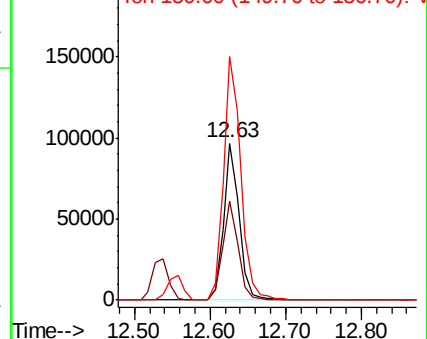


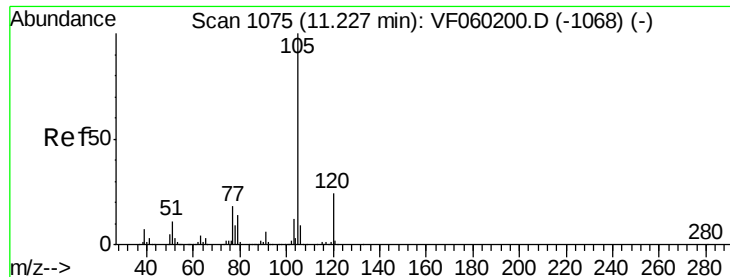
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.46 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 475818

Ion Ratio Lower Upper

105 100

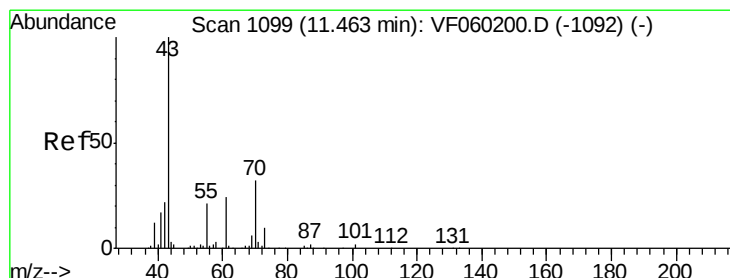
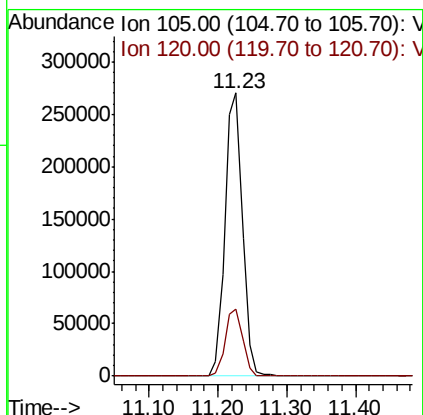
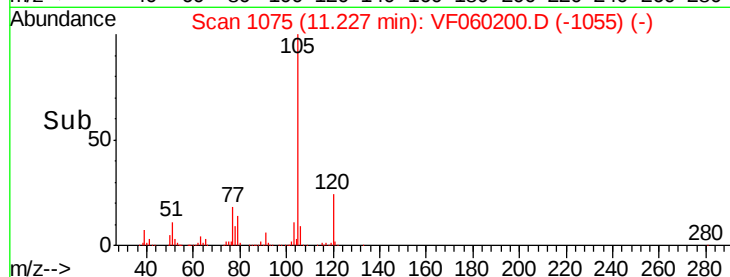
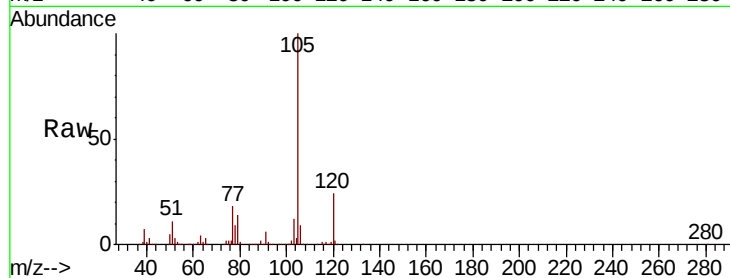
120 23.5 11.8 35.3

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#74

N-ethyl acetate

Concen: 46.17 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion: 43 Resp: 87647

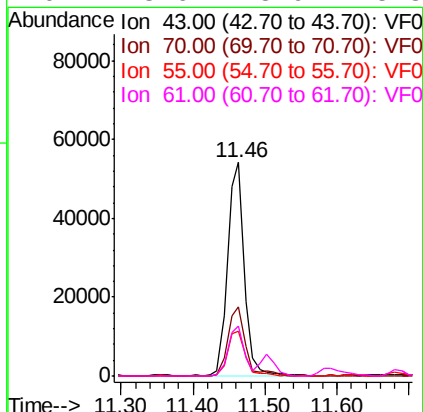
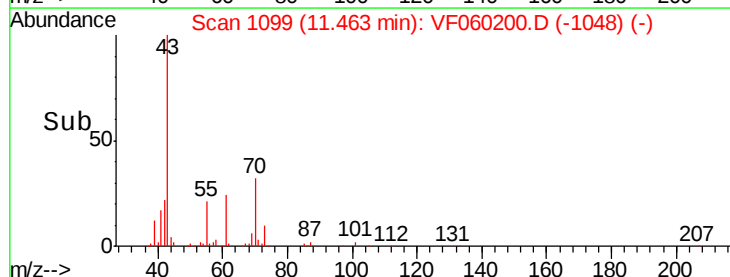
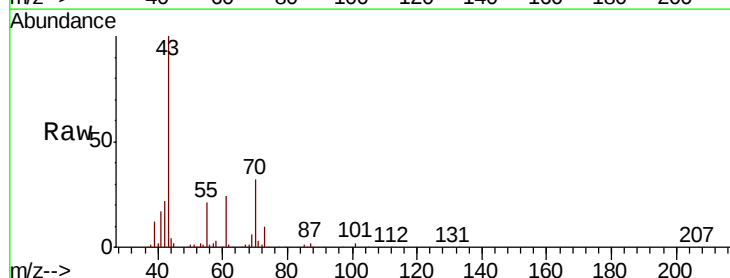
Ion Ratio Lower Upper

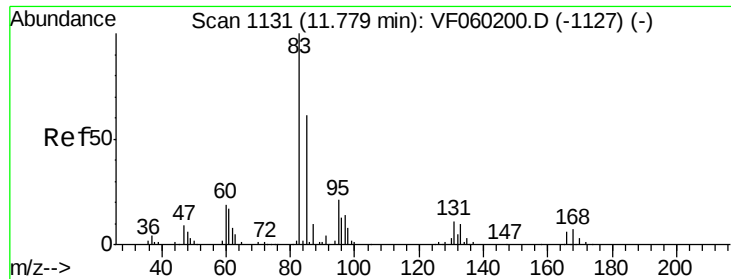
43 100

70 32.2 25.8 38.6

55 21.0 16.8 25.2

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.28 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

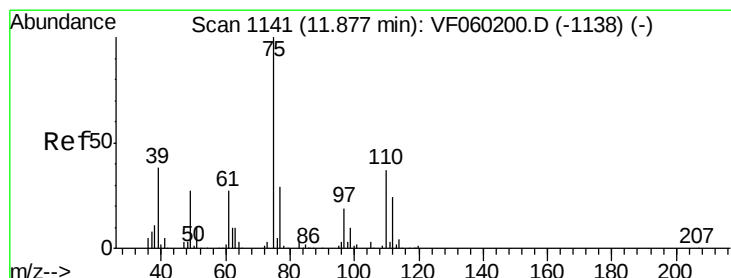
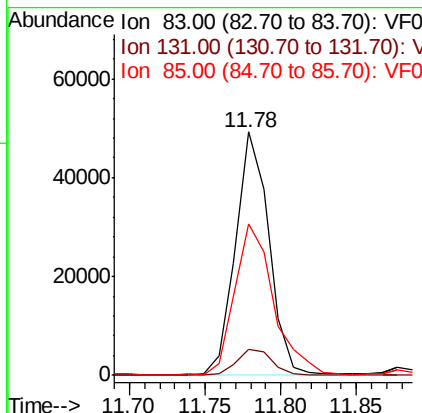
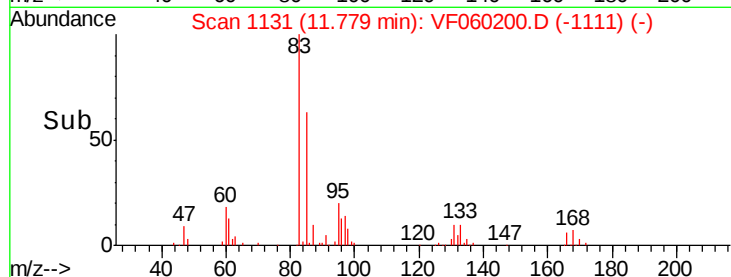
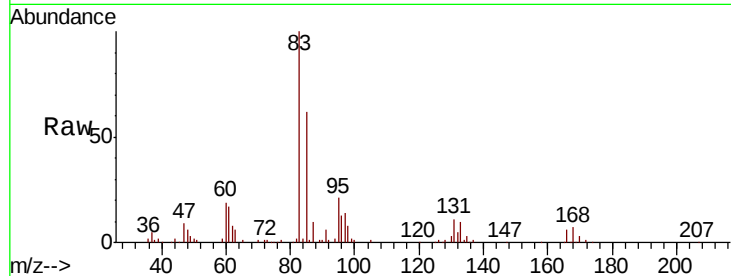
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	75624
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	62.3	31.1	93.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.00 ug/l

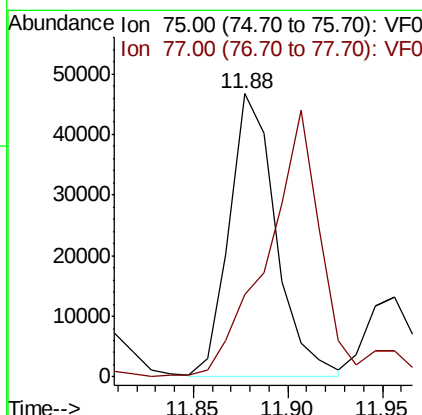
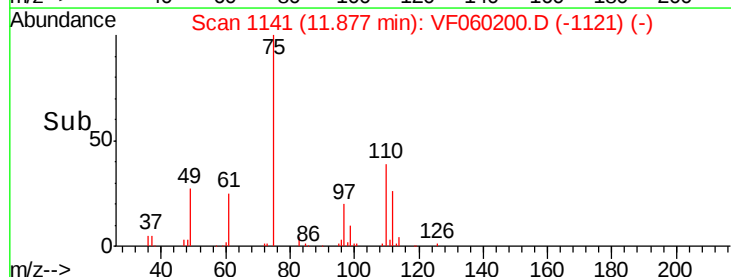
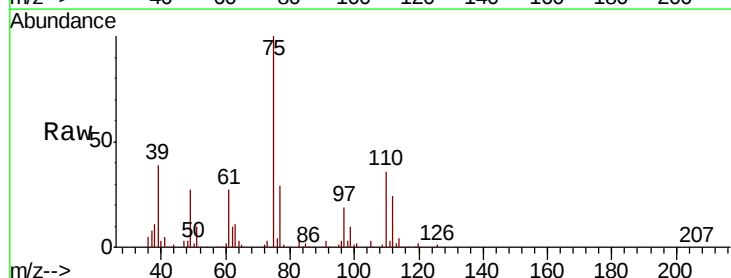
RT: 11.88 min Scan# 1141

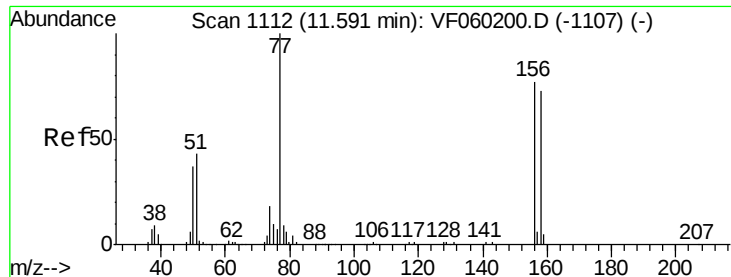
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion:	75	Resp:	79711
Ion Ratio	Lower	Upper	
75	100		
77	29.2	14.6	43.8





#77

Bromobenzene

Concen: 50.00 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

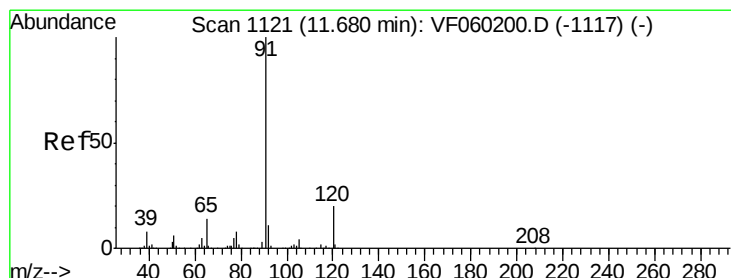
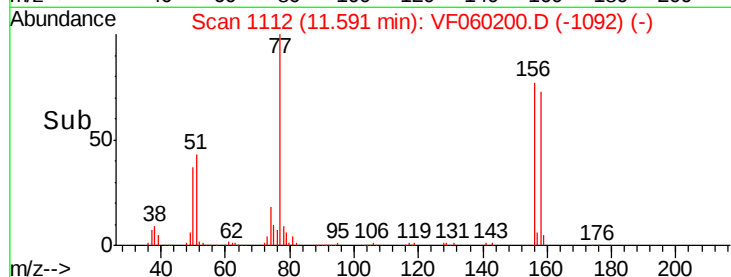
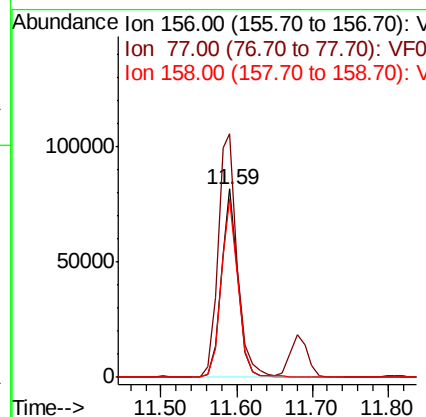
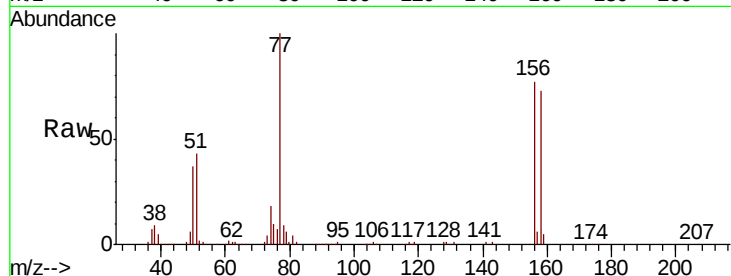
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		125945		
77	129.5	64.8	194.3		
158	94.5	47.3	141.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.86 ug/l

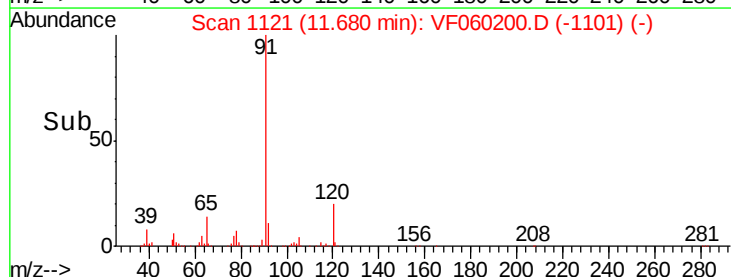
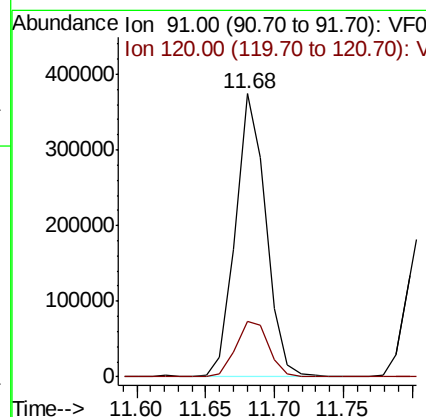
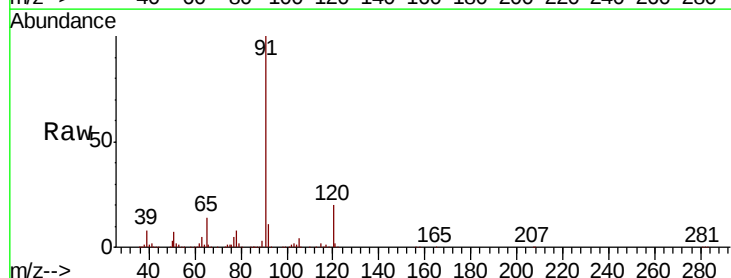
RT: 11.68 min Scan# 1121

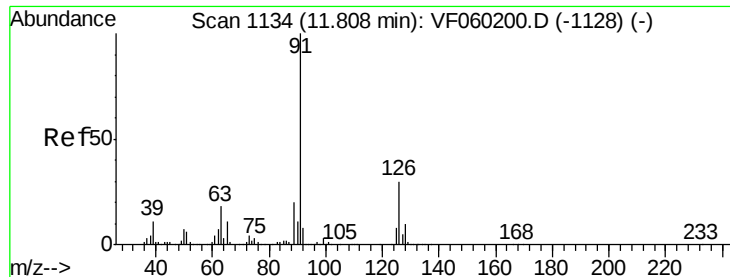
Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		574718		
120	19.6	9.8	29.4		





#79

2-Chlorotoluene

Concen: 48.91 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060200.D

Acq: 6 Sep 2018 13:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 340629

Ion Ratio Lower Upper

91 100

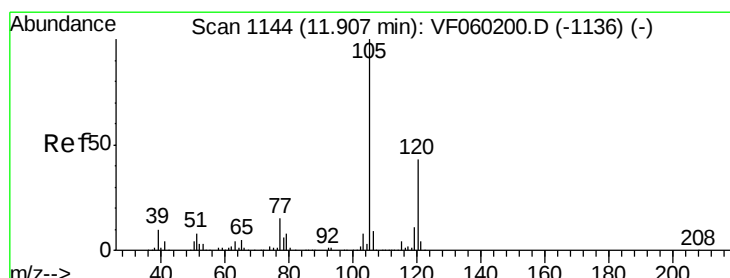
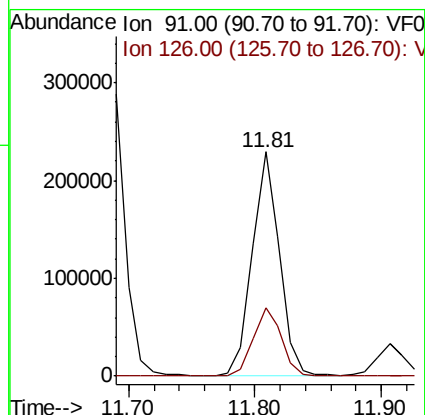
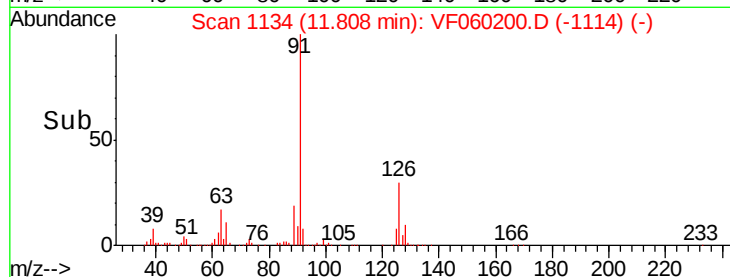
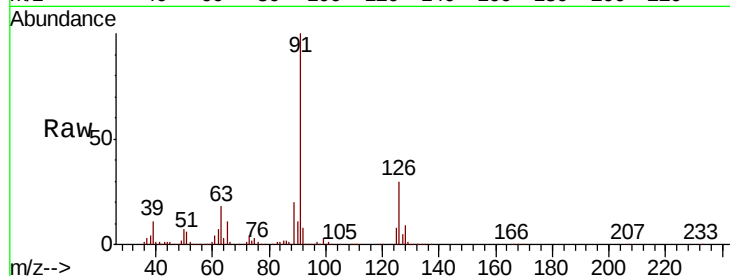
126 30.3 15.2 45.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.49 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060200.D

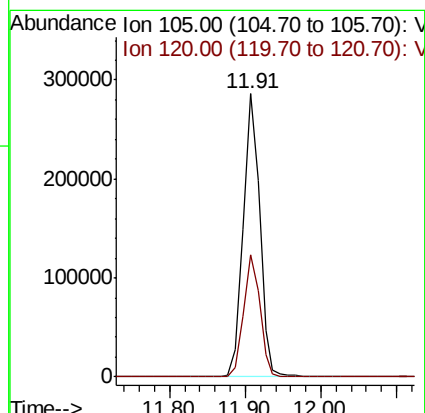
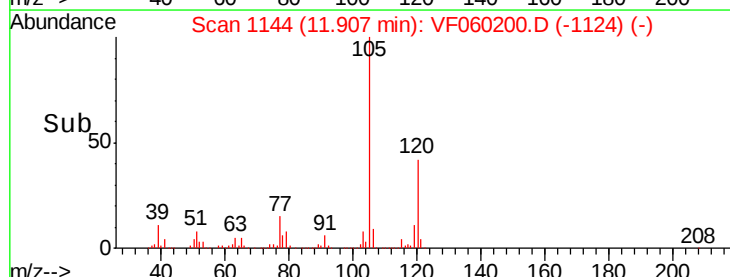
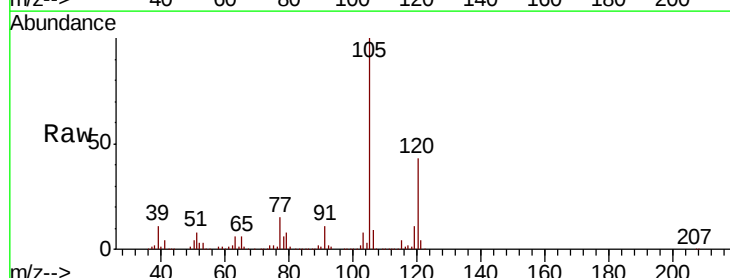
Acq: 6 Sep 2018 13:11

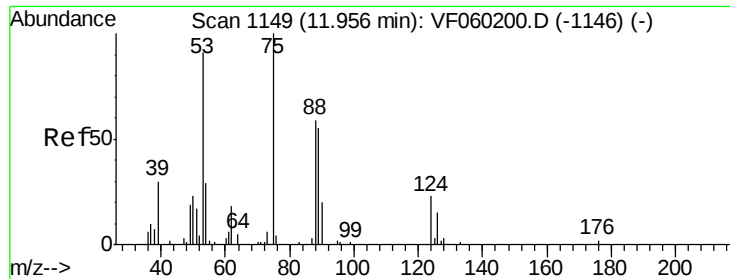
Tgt Ion: 105 Resp: 428750

Ion Ratio Lower Upper

105 100

120 43.2 21.6 64.8





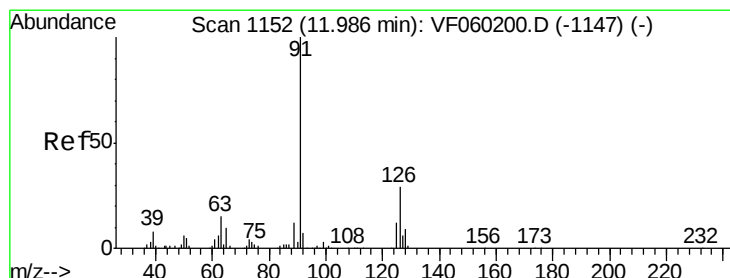
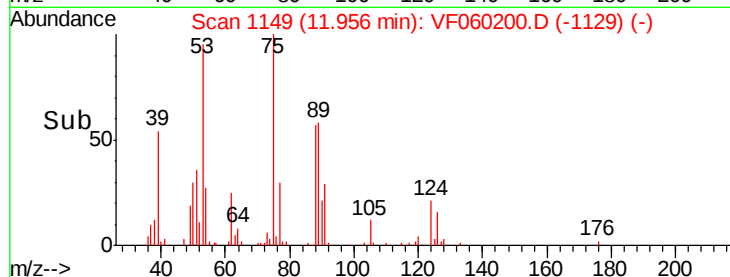
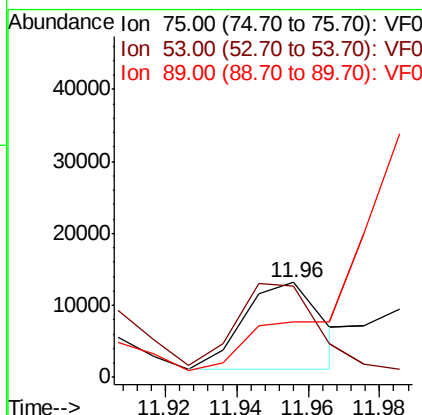
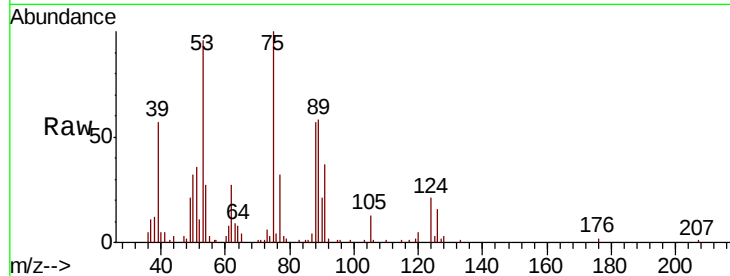
#81
trans-1,4-Dichloro-2-butene
Concen: 55.53 ug/l m
RT: 11.96 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	76.5	114.7
89	58.1	46.5	69.7

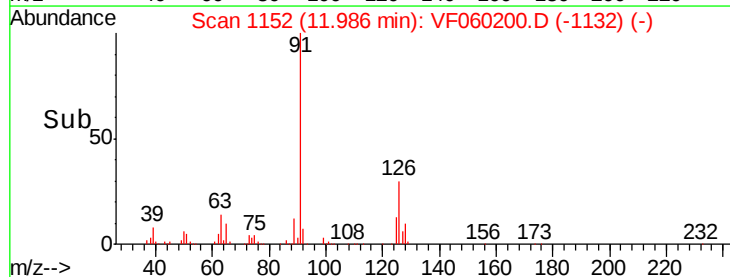
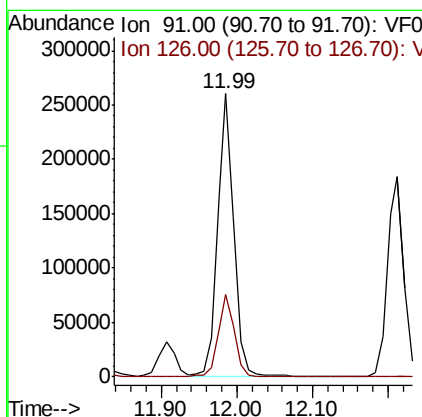
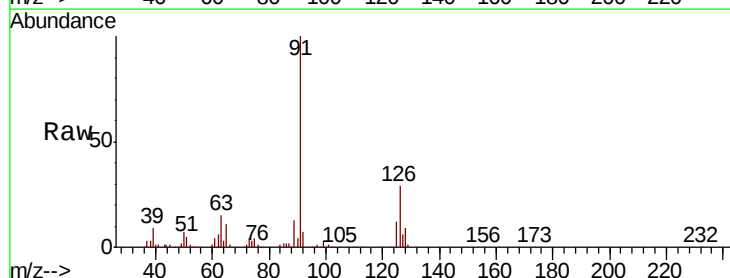
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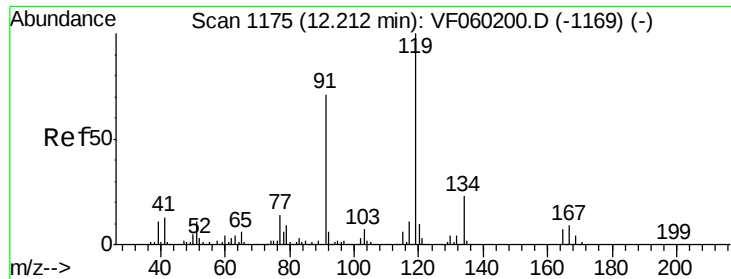
apatel
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#82
4-Chlorotoluene
Concen: 50.62 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.4	43.4





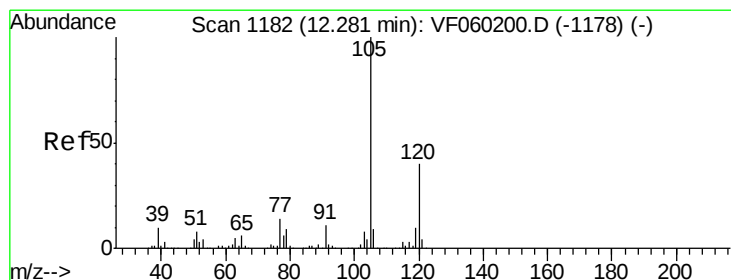
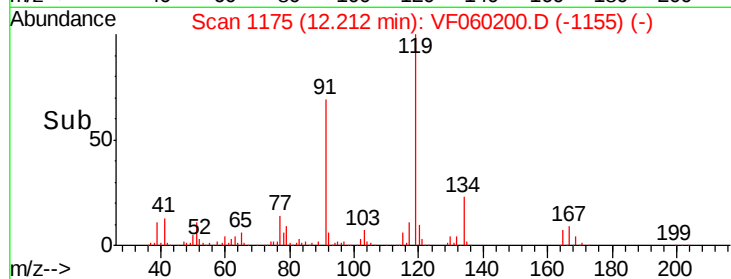
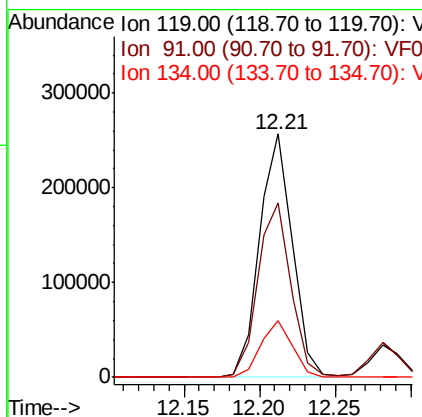
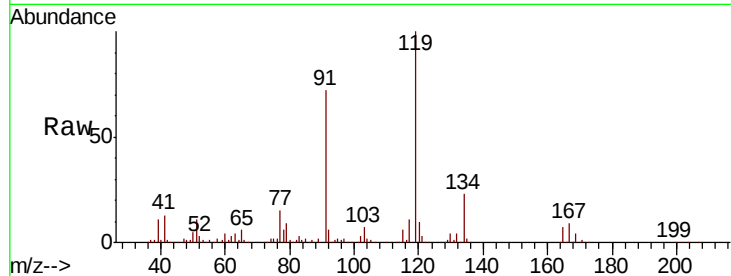
#83
 tert-Butylbenzene
 Concen: 50.56 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	391256		
91	71.6	35.8	107.4	
134	23.1	11.6	34.7	

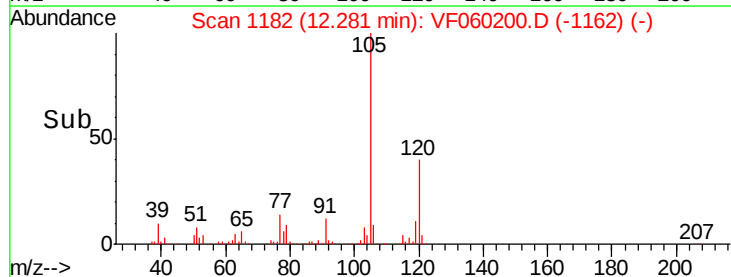
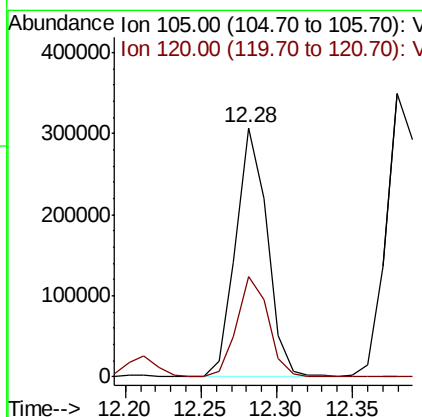
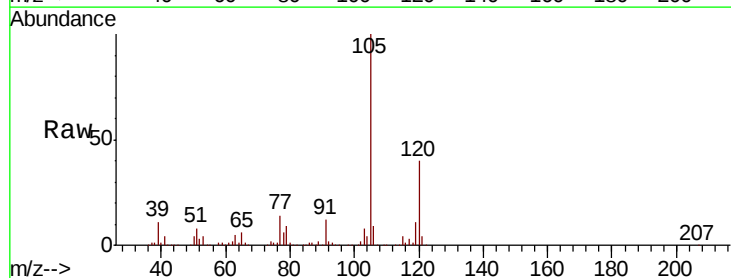
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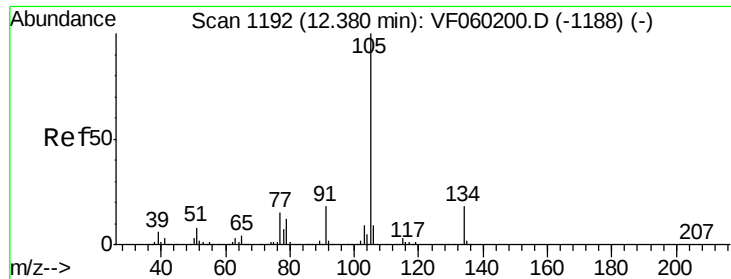
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.55 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	444693		
120	40.3	20.2	60.5	





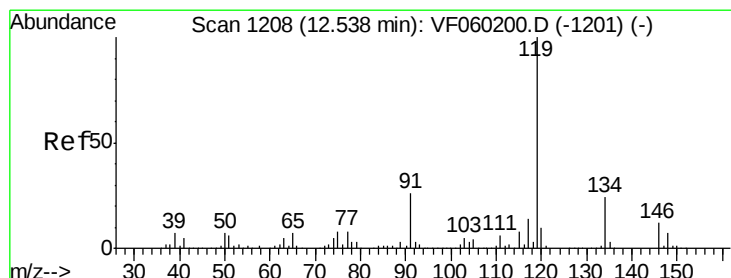
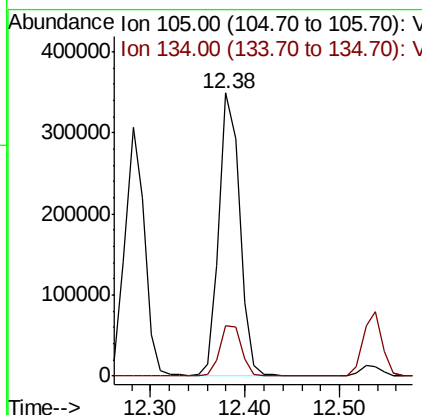
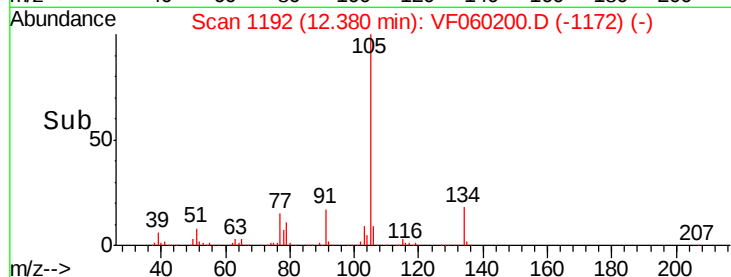
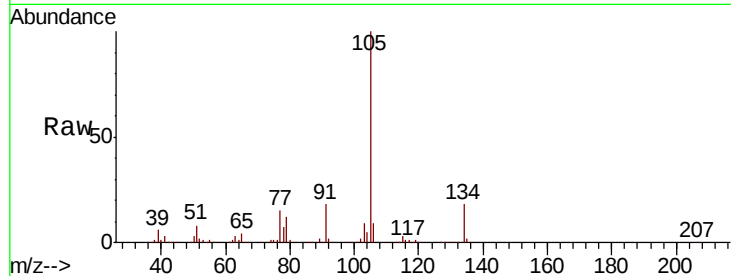
#85
 sec-Butylbenzene
 Concen: 49.99 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.7	8.8	26.5

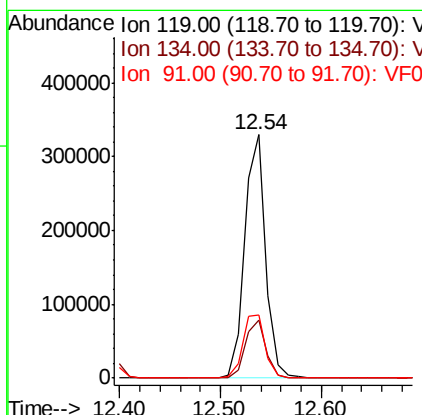
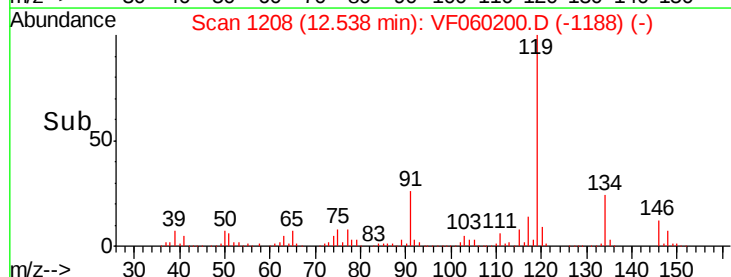
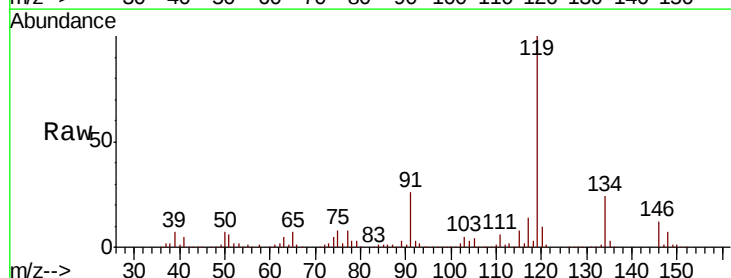
Manual Integrations
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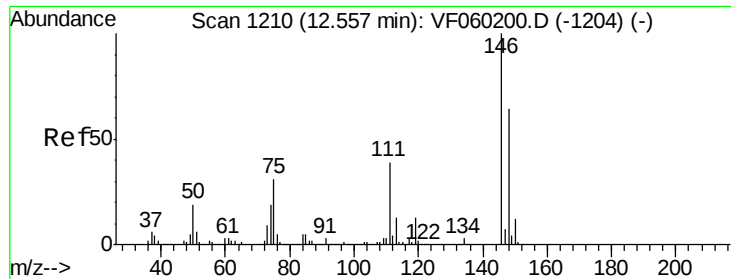
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#86
 p-Isopropyltoluene
 Concen: 50.08 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.0	12.0	36.0
91	25.8	12.9	38.7





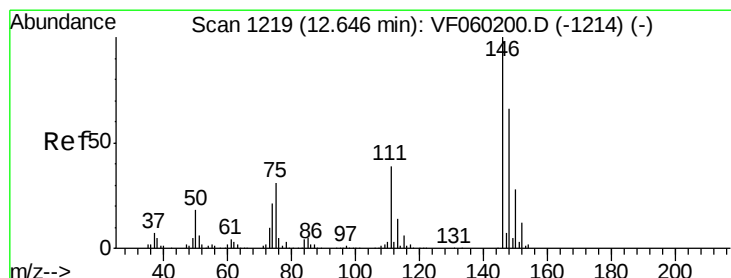
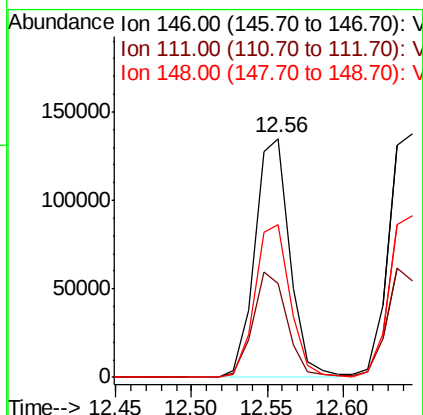
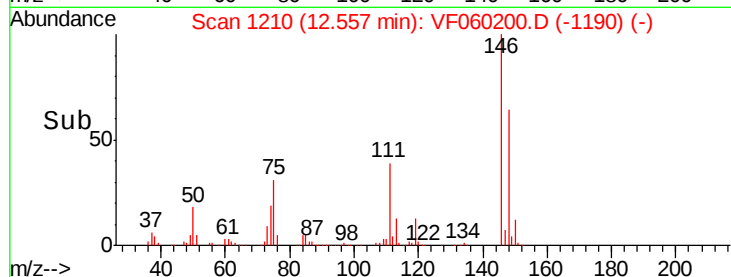
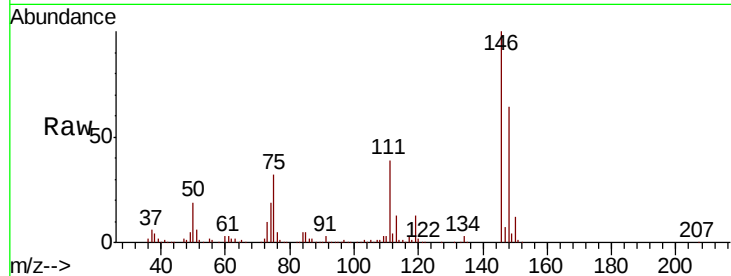
#87
 1,3-Dichlorobenzene
 Concen: 47.40 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218183		
111	39.4	19.7	59.1	
148	64.0	32.0	96.0	

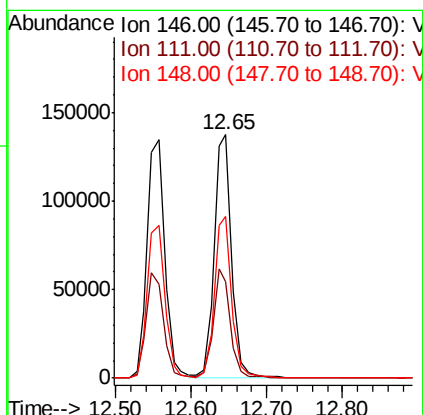
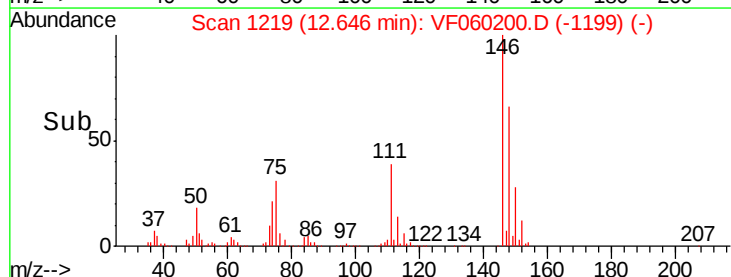
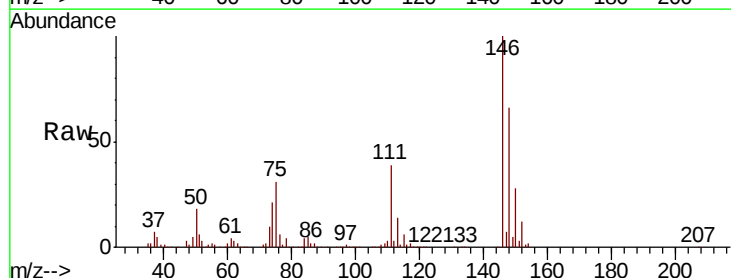
Manual Integrations
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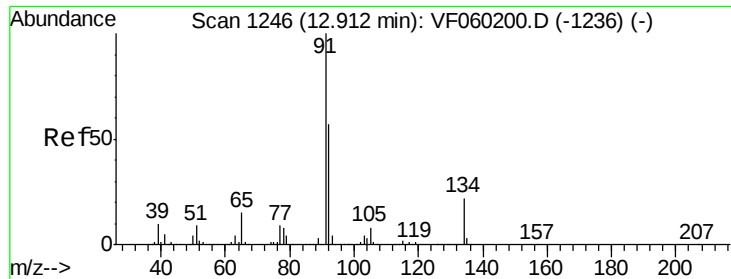
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#88
 1,4-Dichlorobenzene
 Concen: 49.31 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	224627		
111	39.4	19.7	59.1	
148	66.3	33.1	99.5	





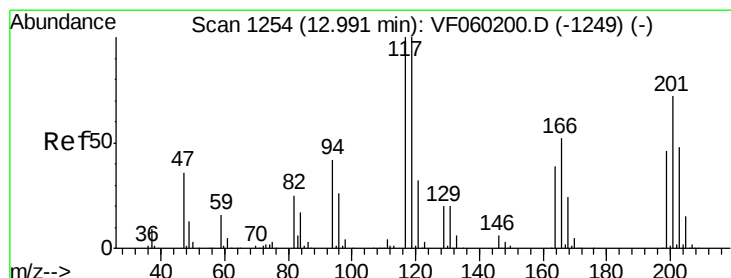
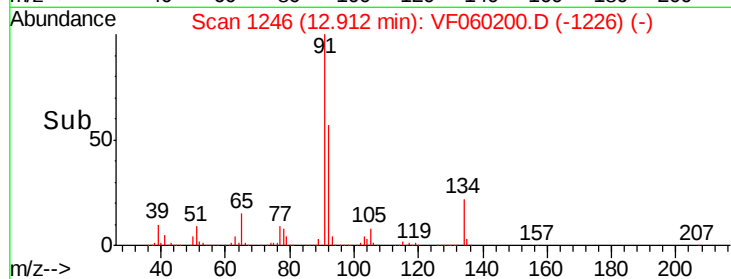
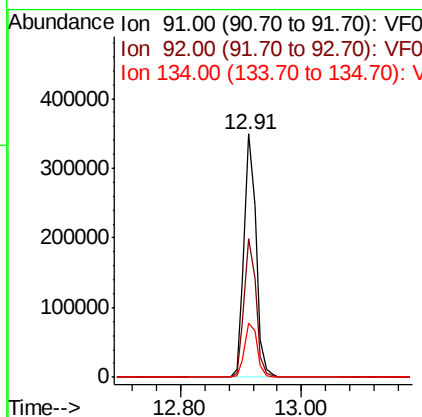
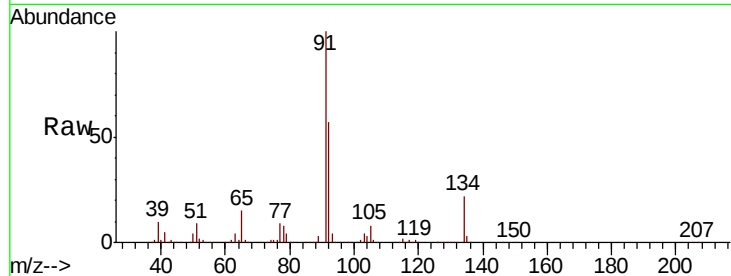
#89
n-Butylbenzene
Concen: 53.04 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	486251		
92	56.9	28.4	85.3	
134	22.2	11.1	33.3	

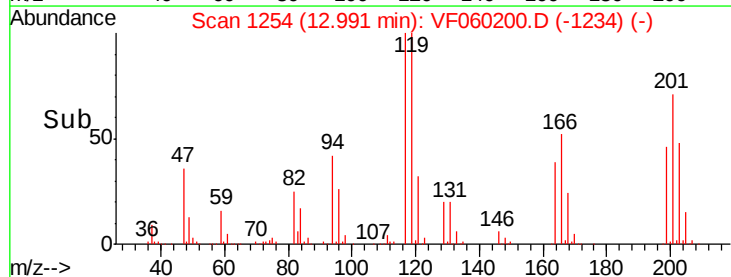
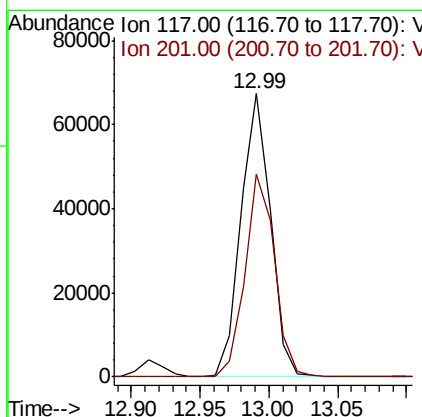
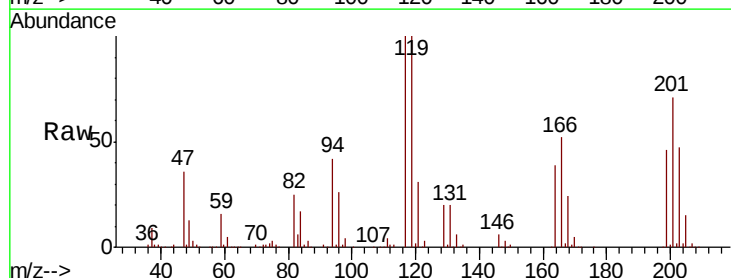
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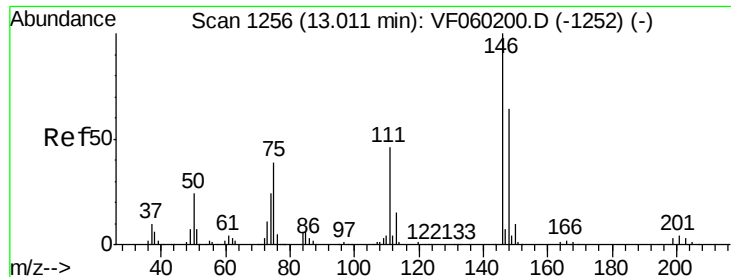
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#90
Hexachloroethane
Concen: 52.74 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	101345		
201	71.4	35.7	107.1	





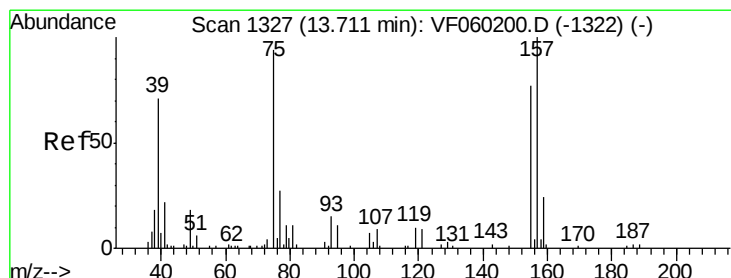
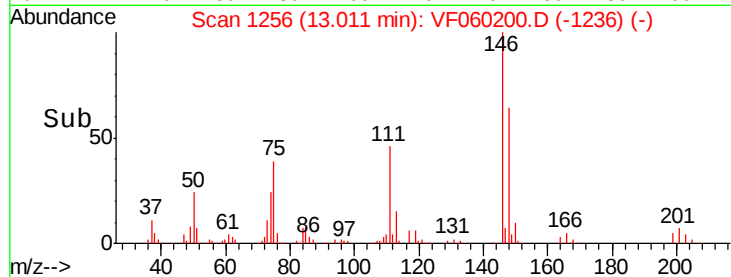
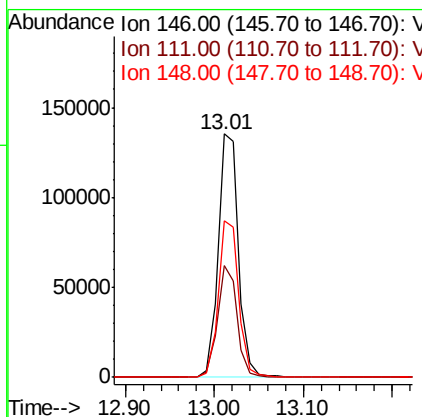
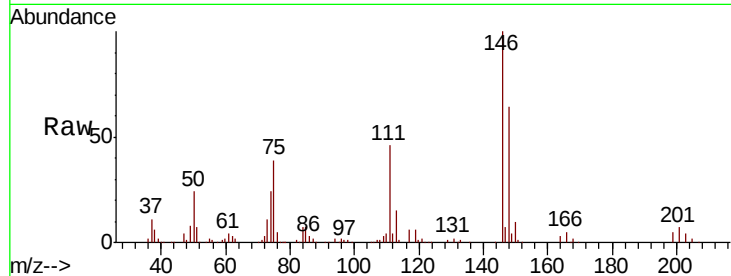
#91
 1,2-Dichlorobenzene
 Concen: 49.61 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.0	69.0
148	64.4	32.2	96.6

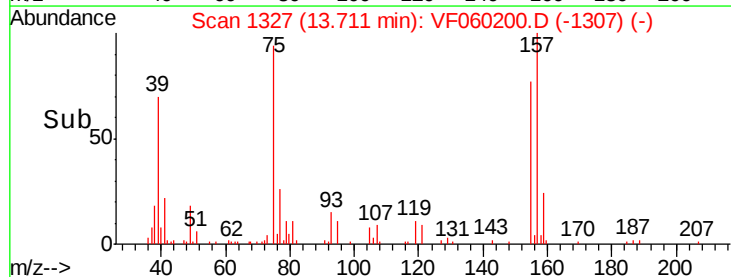
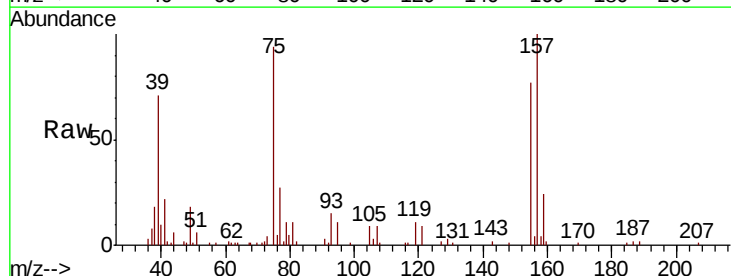
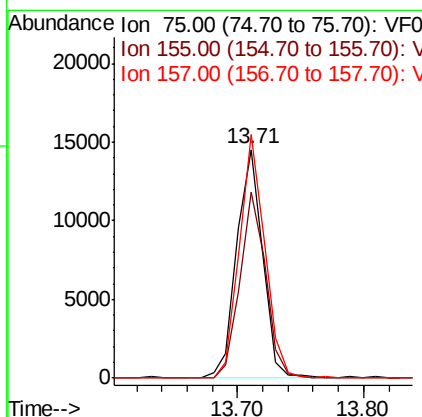
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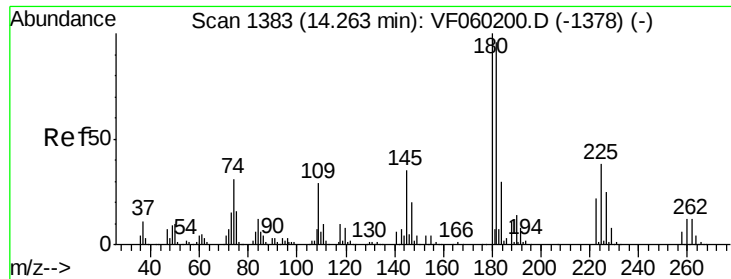
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.78 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.8	122.5
157	106.6	53.3	159.9





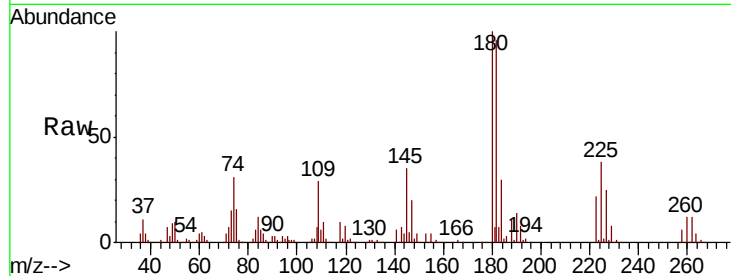
#93
 1,2,4-Trichlorobenzene
 Concen: 52.50 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177319		
182	96.4	48.2	144.6	
145	34.8	17.4	52.2	

Manual Integrations
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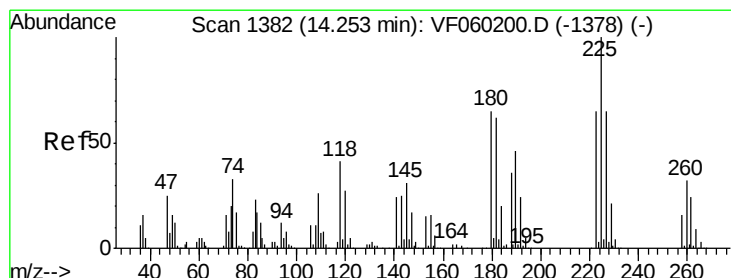
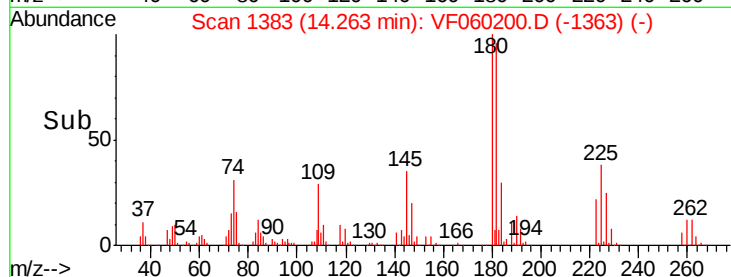
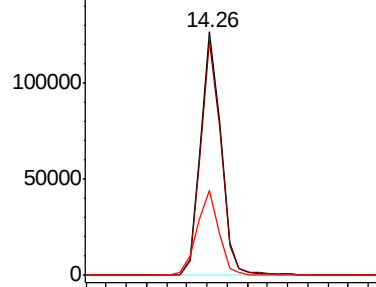


Abundance

Ion 180.00 (179.70 to 180.70): V

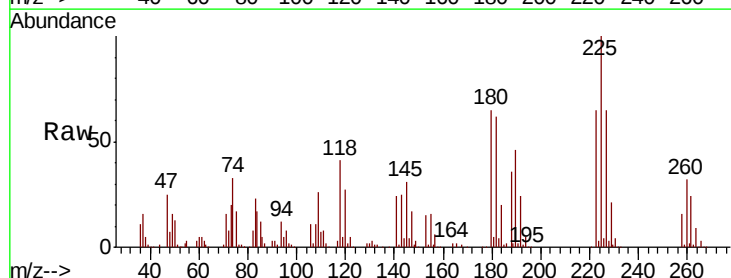
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 51.32 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060200.D
 Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123547		
223	64.5	32.3	96.8	
227	64.7	32.4	97.0	

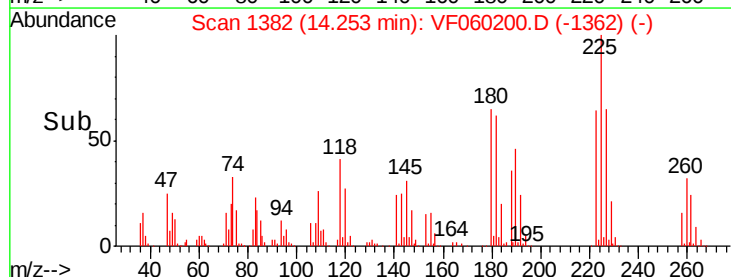
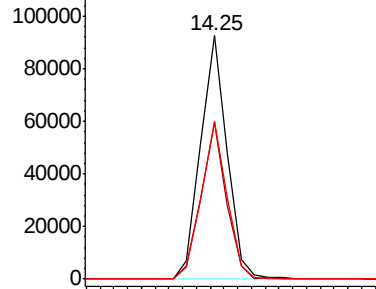


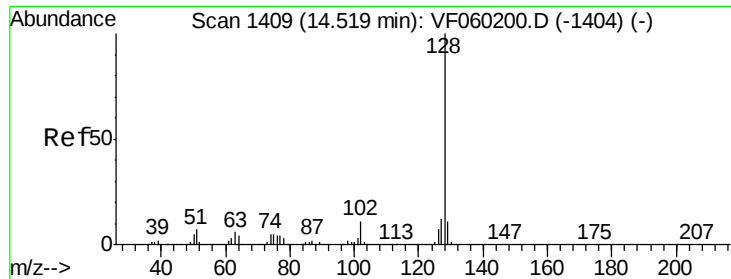
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





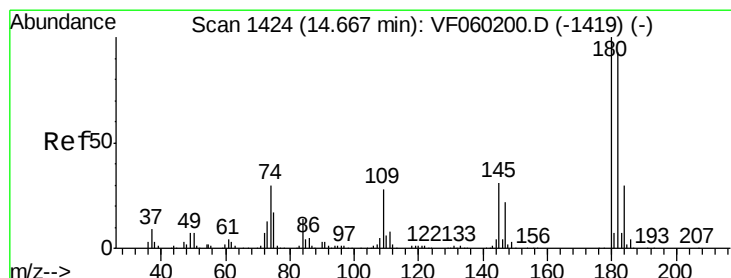
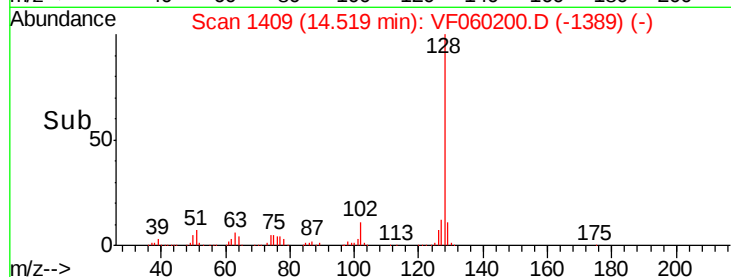
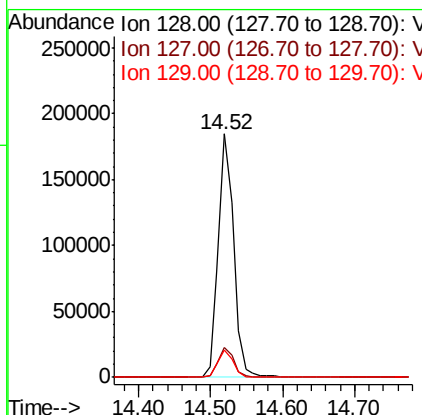
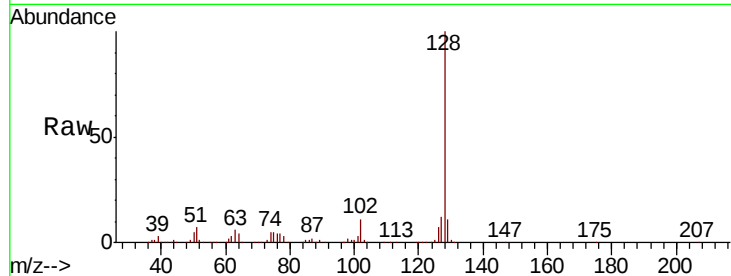
#95
Naphthalene
Concen: 51.37 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	271298		
127	12.4		9.9	14.9
129	11.1		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 55.24 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060200.D
Acq: 6 Sep 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175141		
182	93.1		46.6	139.7
145	31.3		15.7	47.0

