

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090618\
 Data File : VF060199.D
 Acq On : 6 Sep 2018 12:43
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 9/7/2018 10:49:57 AM

Quant Time: Sep 07 02:14:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	153698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	218687	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	226065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	145698	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	55787	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	
35) Dibromofluoromethane	4.29	113	45318	21.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.46%	
50) Toluene-d8	7.70	98	114331	21.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.04%	
62) 4-Bromofluorobenzene	11.51	95	64548	21.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	65254m	23.18	ug/l	
3) Chloromethane	1.08	50	35066	22.67	ug/l	97
4) Vinyl Chloride	1.13	62	25122	21.37	ug/l	96
5) Bromomethane	1.32	94	22760	21.50	ug/l	98
6) Chloroethane	1.39	64	17615	23.00	ug/l	93
7) Trichlorofluoromethane	1.48	101	62850	19.00	ug/l	93
8) Diethyl Ether	1.71	74	10356	21.01	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.87	101	35336	21.73	ug/l	96
10) Methyl Iodide	1.92	142	32214	22.63	ug/l #	94
11) Tert butyl alcohol	2.70	59	12831	108.24	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	23125	21.10	ug/l	98
13) Acrolein	2.09	56	6491	103.25	ug/l #	76
14) Allyl chloride	2.19	41	36854	22.41	ug/l	96
15) Acrylonitrile	3.09	53	20271	100.38	ug/l	97
16) Acetone	2.35	43	68670	118.19	ug/l	95
17) Carbon Disulfide	1.84	76	67909	21.19	ug/l	97
18) Methyl Acetate	2.46	43	18451	19.63	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	75388	20.84	ug/l	98
20) Methylene Chloride	2.28	84	38293	21.86	ug/l	89
21) trans-1,2-Dichloroethene	2.41	96	23550	21.10	ug/l	93
22) Diisopropyl ether	2.93	45	83456	20.21	ug/l	95
23) Vinyl Acetate	3.33	43	156234	108.10	ug/l	97
24) 1,1-Dichloroethane	3.00	63	57810	21.53	ug/l	96
25) 2-Butanone	4.51	43	86152	116.46	ug/l	99
26) 2,2-Dichloropropane	3.76	77	76768	23.61	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	30040	20.76	ug/l	95
28) Bromochloromethane	3.89	49	21011	23.21	ug/l #	94
29) Tetrahydrofuran	4.25	42	28555	115.94	ug/l	99
30) Chloroform	4.03	83	85209	21.49	ug/l	95
31) Cyclohexane	3.86	56	39188	21.61	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	82507	20.97	ug/l	92
36) 1,1-Dichloropropene	4.45	75	51418	20.26	ug/l	94
37) Ethyl Acetate	4.29	43	28370	20.31	ug/l	84
38) Carbon Tetrachloride	4.16	117	74225	20.91	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	43159	20.13	ug/l	100
40) Benzene	4.80	78	93689	20.75	ug/l	94
41) Methacrylonitrile	4.92	41	14797	22.33	ug/l	96
42) 1,2-Dichloroethane	5.11	62	67870	20.47	ug/l	100
43) Isopropyl Acetate	7.11	43	30204	20.18	ug/l #	98
44) Trichloroethene	5.67	130	38612	20.75	ug/l	92
45) 1,2-Dichloropropane	6.40	63	26336	20.40	ug/l	92
46) Dibromomethane	6.25	93	25876	22.43	ug/l	96
47) Bromodichloromethane	6.55	83	65397	20.98	ug/l	99
48) Methyl methacrylate	6.87	41	24940	21.05	ug/l	88
49) 1,4-Dioxane	6.88	88	1458	54.49	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	141479	106.39	ug/l	97
52) Toluene	7.77	92	72193	20.62	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	60126	23.12	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	56739	21.26	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	26768	20.34	ug/l	97
56) Ethyl methacrylate	8.76	69	31107	20.99	ug/l	94
57) 1,3-Dichloropropane	8.99	76	49529	21.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	17207	108.91	ug/l	100
59) 2-Hexanone	9.62	43	96588	96.44	ug/l	96
60) Dibromochloromethane	8.85	129	44265	20.40	ug/l	91
61) 1,2-Dibromoethane	9.13	107	33453	21.30	ug/l	99
64) Tetrachloroethene	8.30	164	56947	21.66	ug/l	97
65) Chlorobenzene	9.94	112	95545	20.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	43640	21.23	ug/l	98
67) Ethyl Benzene	10.04	91	184065	21.30	ug/l	93
68) m/p-Xylenes	10.26	106	124016	42.83	ug/l	97
69) o-Xylene	10.83	106	67134	21.61	ug/l	81
70) Styrene	10.89	104	102148	21.73	ug/l	98
71) Bromoform	10.88	173	25546	21.28	ug/l #	94
73) Isopropylbenzene	11.22	105	213513	21.25	ug/l	98
74) N-amyl acetate	11.46	43	29059	17.38	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	31216	20.69	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	33288	20.86	ug/l	91
77) Bromobenzene	11.59	156	54594	20.83	ug/l	96
78) n-propylbenzene	11.68	91	255263	21.29	ug/l	98
79) 2-Chlorotoluene	11.81	91	152626	21.04	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	188134	21.26	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6194m	12.03	ug/l	
82) 4-Chlorotoluene	11.98	91	163843	20.37	ug/l	100
83) tert-Butylbenzene	12.21	119	169561	21.15	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	189646	21.03	ug/l	98
85) sec-Butylbenzene	12.38	105	233429	21.21	ug/l	99
86) p-Isopropyltoluene	12.53	119	208324	21.15	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	102953	21.56	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	95395	20.24	ug/l	94
89) n-Butylbenzene	12.92	91	203221	21.40	ug/l	97
90) Hexachloroethane	12.99	117	42709	21.32	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	98154	21.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7818	20.32	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	78464	22.34	ug/l	97
94) Hexachlorobutadiene	14.25	225	55733	22.17	ug/l	94
95) Naphthalene	14.52	128	94503	19.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	69953	21.27	ug/l	97

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

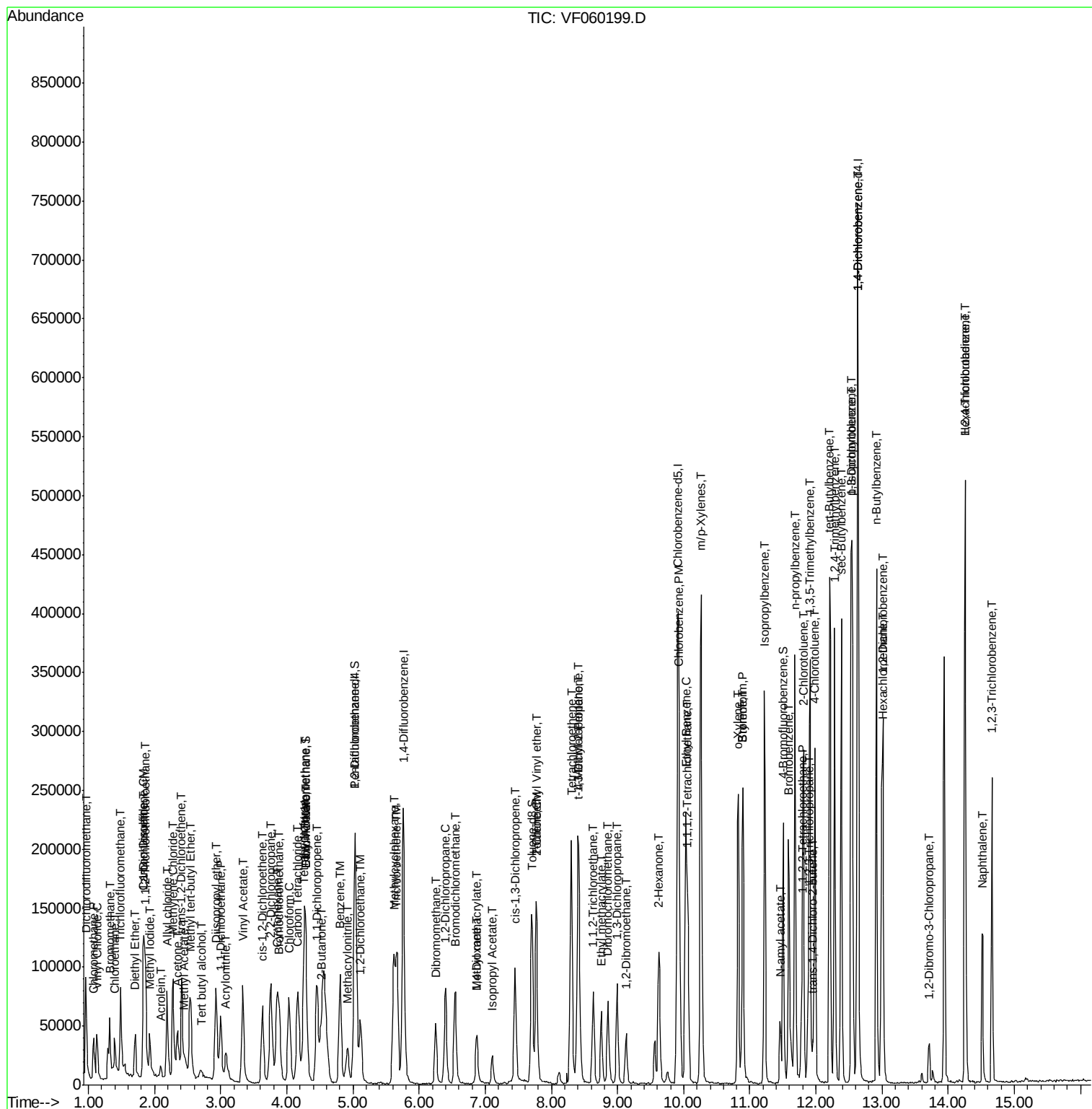
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090618\
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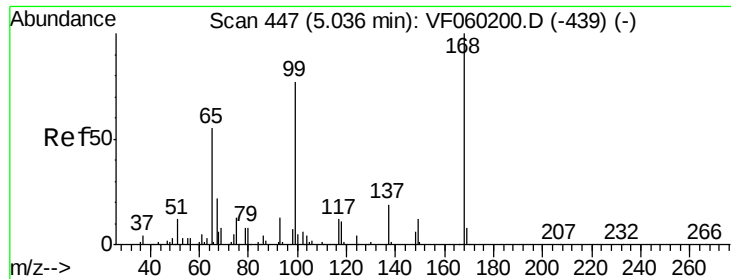
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 153698

Ion Ratio Lower Upper

168 100

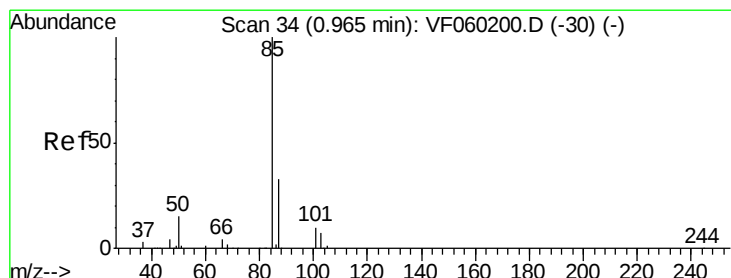
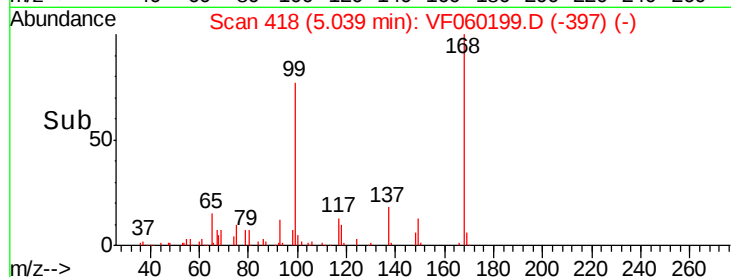
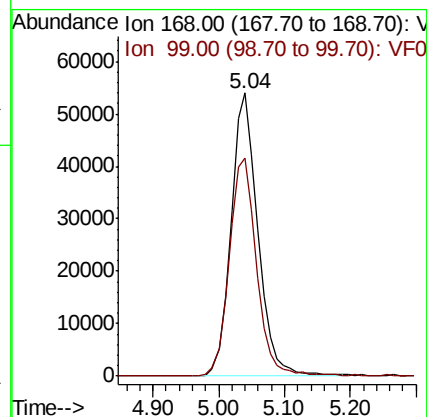
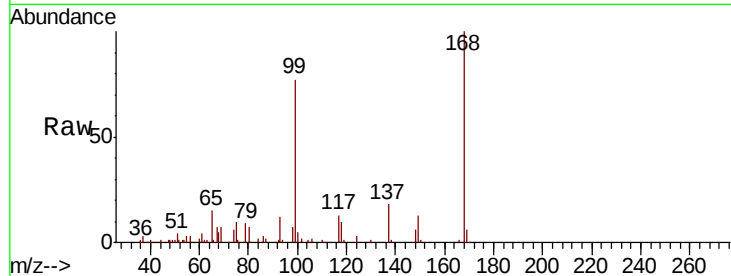
99 76.9 61.8 92.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 23.18 ug/l m

RT: 0.96 min Scan# 4

Delta R.T. -0.01 min

Lab File: VF060199.D

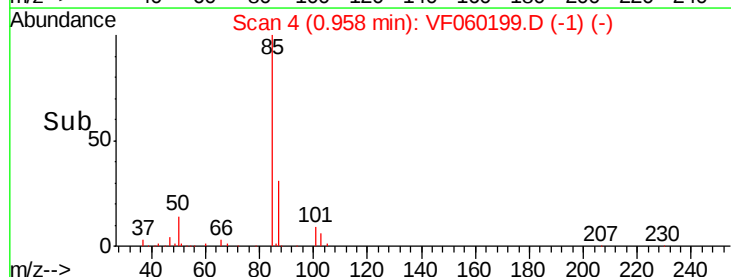
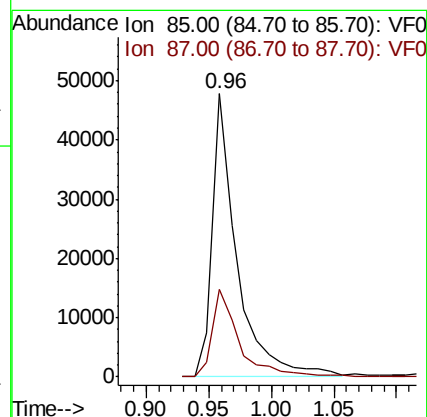
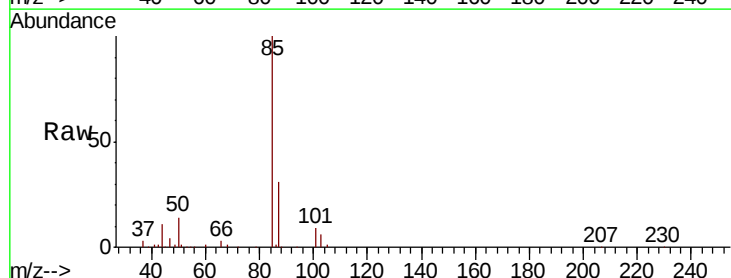
Acq: 6 Sep 2018 12:43

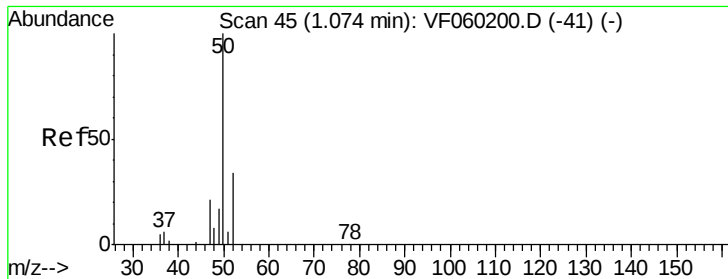
Tgt Ion: 85 Resp: 65254

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9





#3

Chloromethane

Concen: 22.67 ug/l

RT: 1.08 min Scan# 16

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 35066

Ion Ratio Lower Upper

50 100

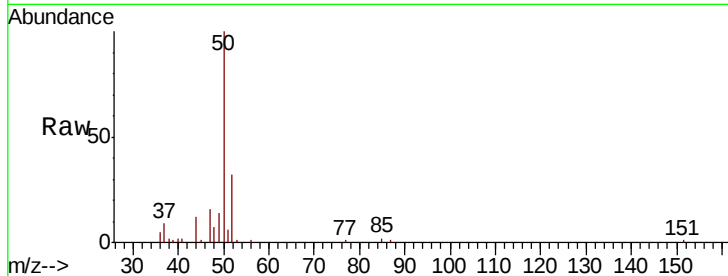
52 32.1 26.9 40.3

Manual Integrations

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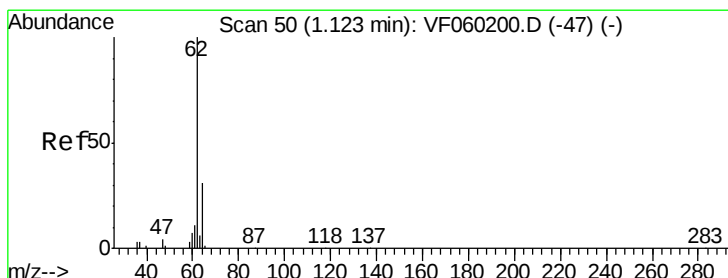
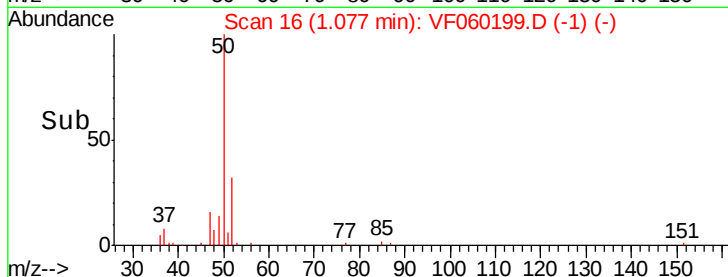
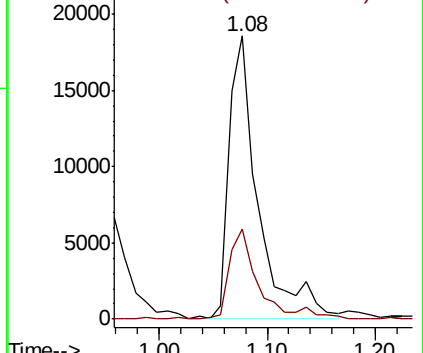
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.37 ug/l

RT: 1.13 min Scan# 21

Delta R.T. 0.00 min

Lab File: VF060199.D

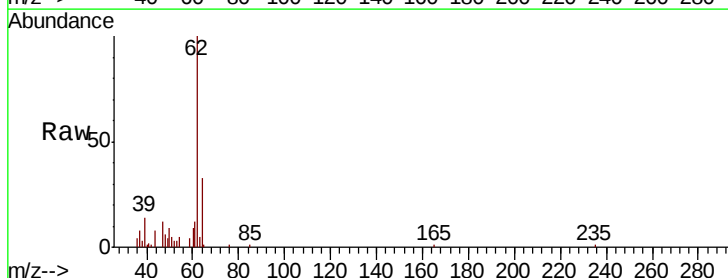
Acq: 6 Sep 2018 12:43

Tgt Ion: 62 Resp: 25122

Ion Ratio Lower Upper

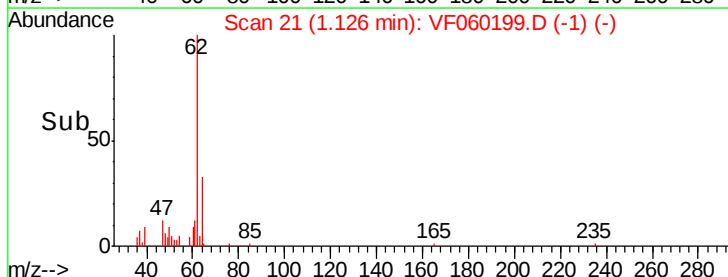
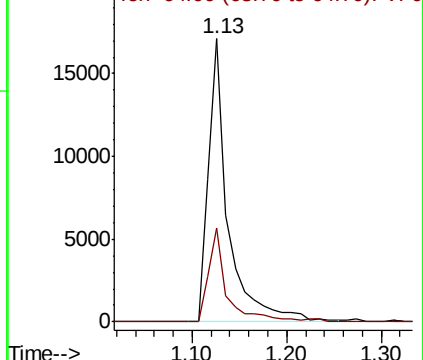
62 100

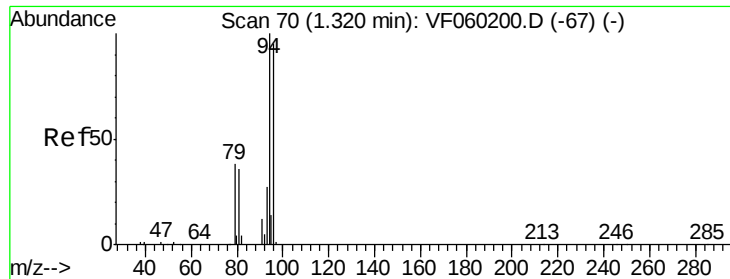
64 33.3 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.50 ug/l

RT: 1.32 min Scan# 41

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

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ClientSampleId :

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Tot Ion: 94 Resp: 22760

Ion Ratio Lower Upper

94 100

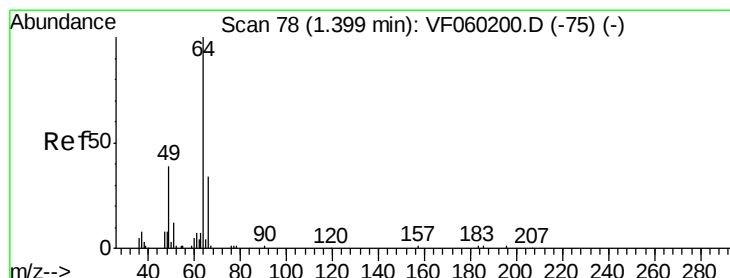
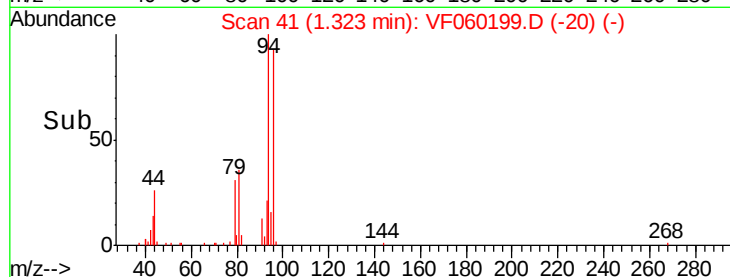
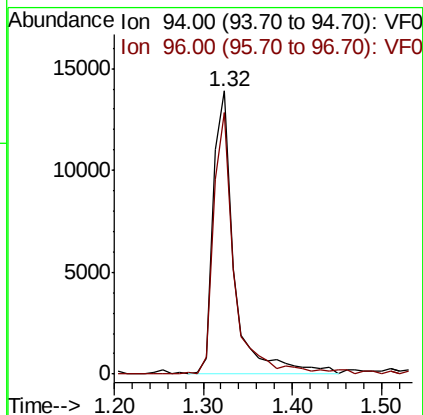
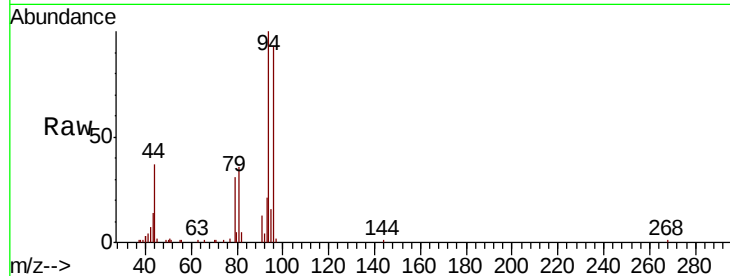
96 92.6 75.8 113.6

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#6

Chloroethane

Concen: 23.00 ug/l

RT: 1.39 min Scan# 48

Delta R.T. -0.01 min

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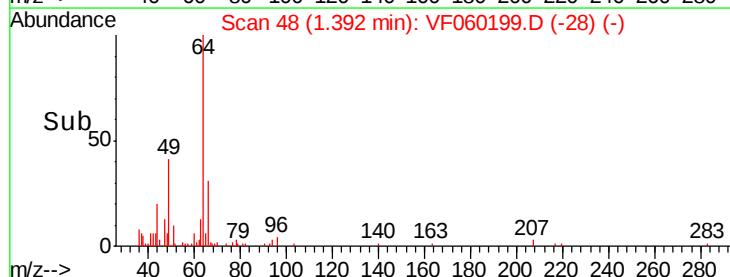
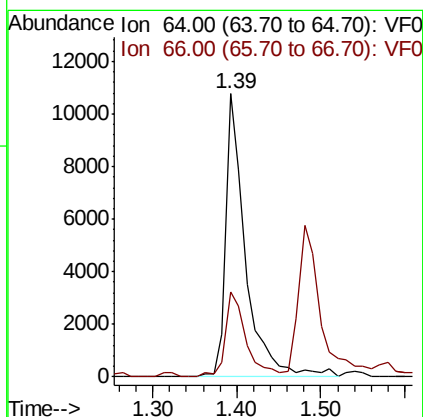
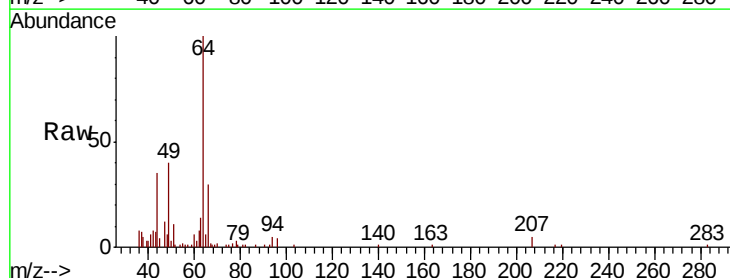
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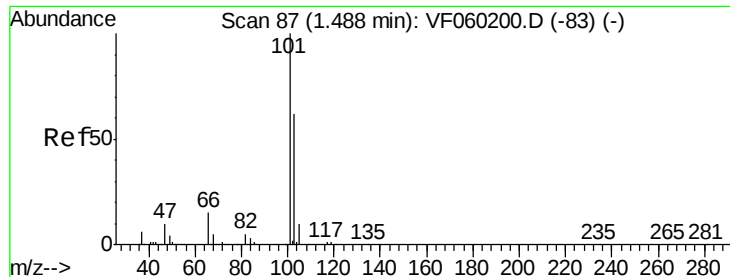
Tgt Ion: 64 Resp: 17615

Ion Ratio Lower Upper

64 100

66 30.0 27.1 40.7





#7

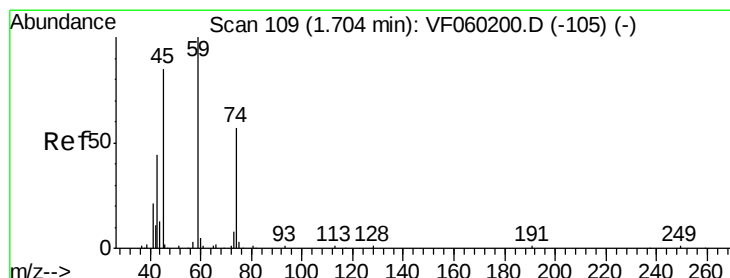
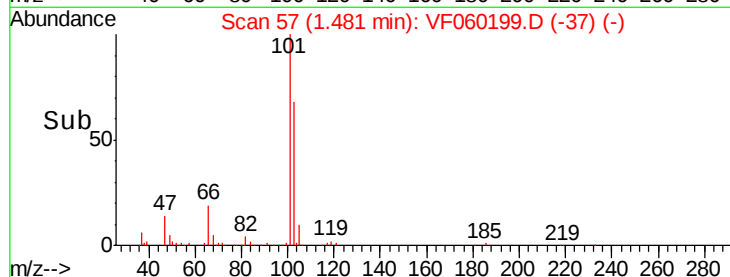
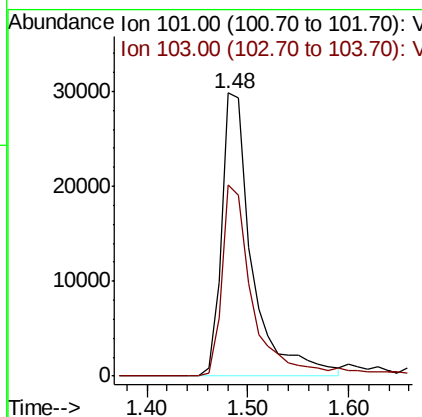
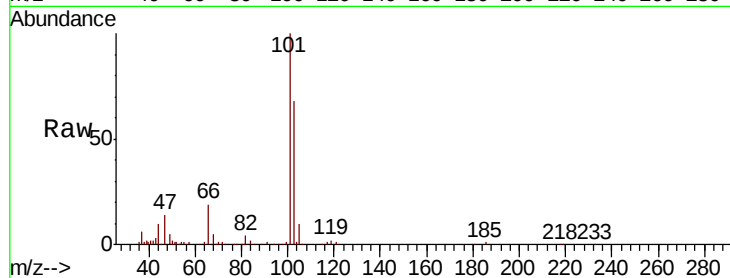
Trichlorofluoromethane
 Concen: 19.00 ug/l
 RT: 1.48 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.5	74.3

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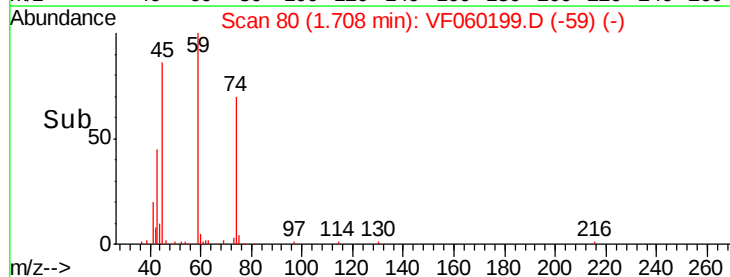
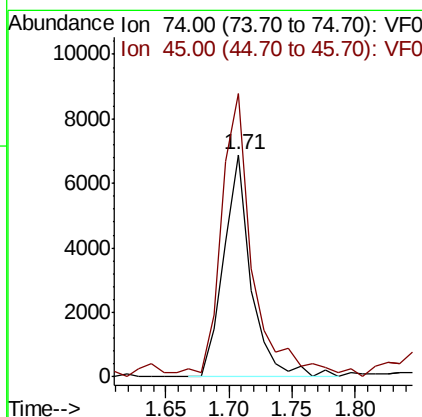
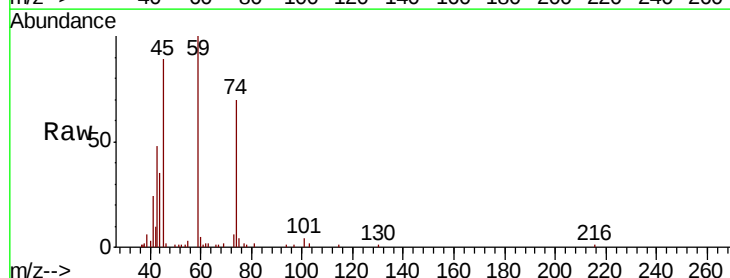
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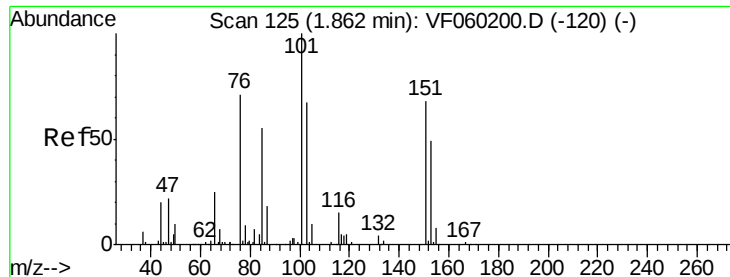


#8

Diethyl Ether
 Concen: 21.01 ug/l
 RT: 1.71 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.4	75.3	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.73 ug/l

RT: 1.87 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

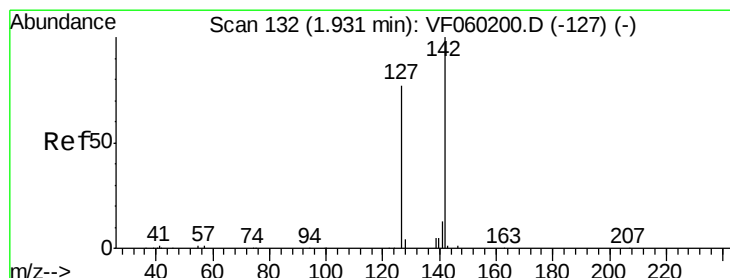
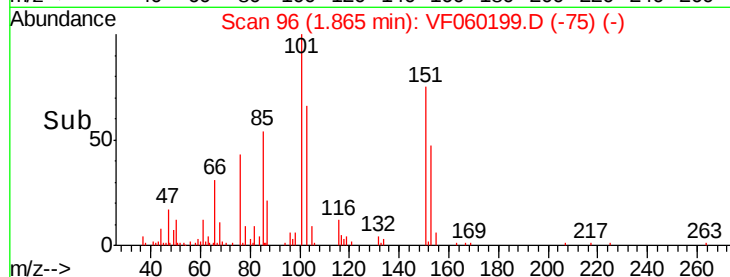
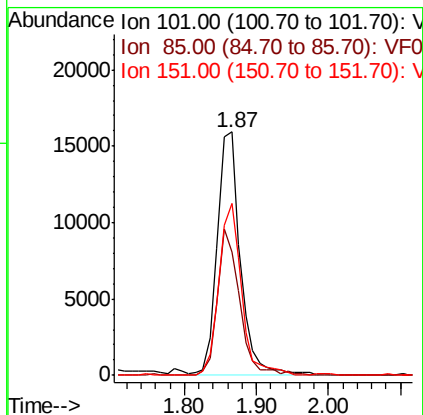
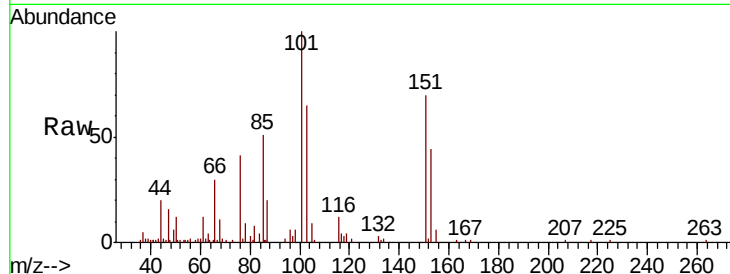
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	35336
Ion Ratio	Lower	Upper	
101	100		
85	50.7	43.0	64.4
151	70.4	53.6	80.4

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#10

Methyl Iodide

Concen: 22.63 ug/l

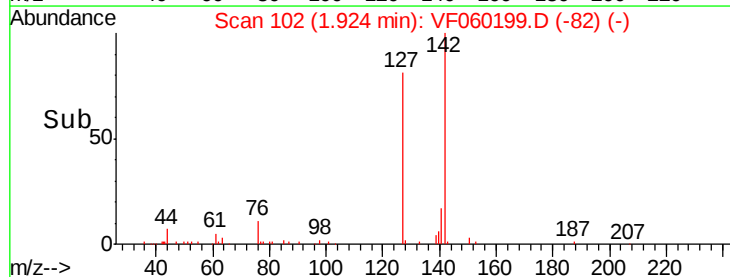
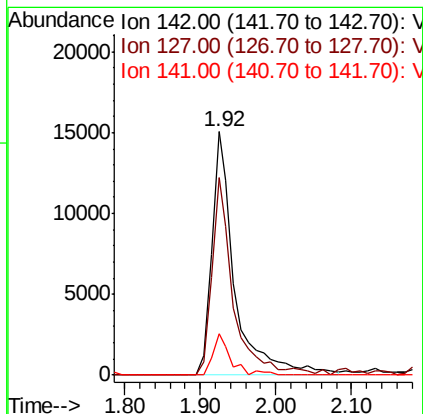
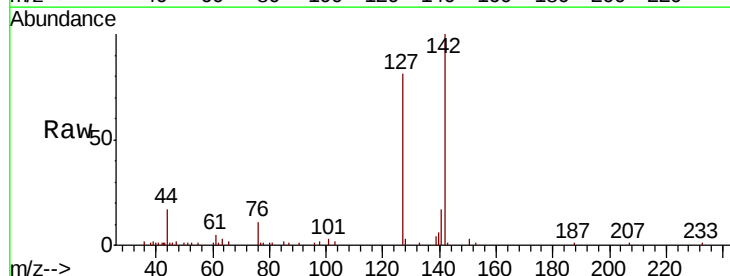
RT: 1.92 min Scan# 102

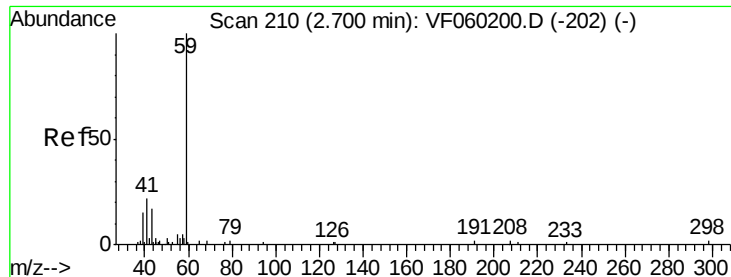
Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	142	Resp:	32214
Ion Ratio	Lower	Upper	
142	100		
127	81.1	61.1	91.7
141	16.9	10.6	15.8#





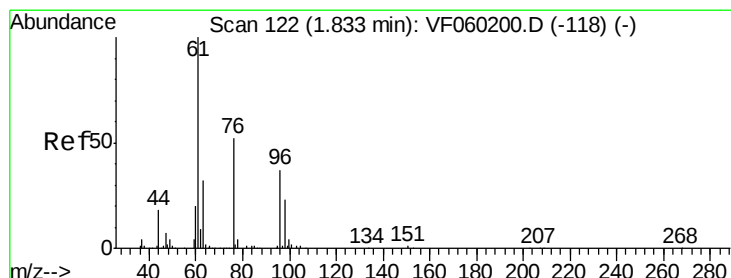
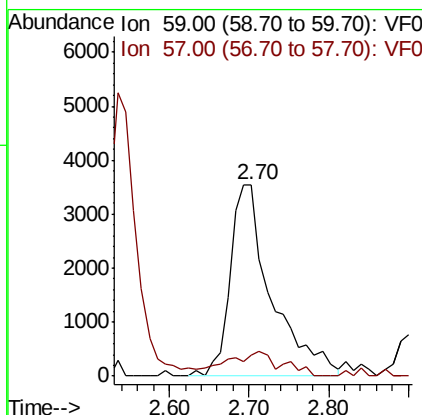
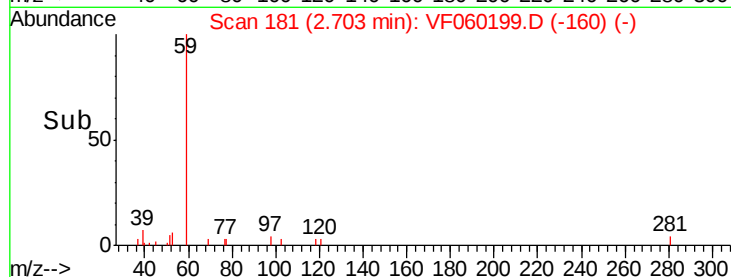
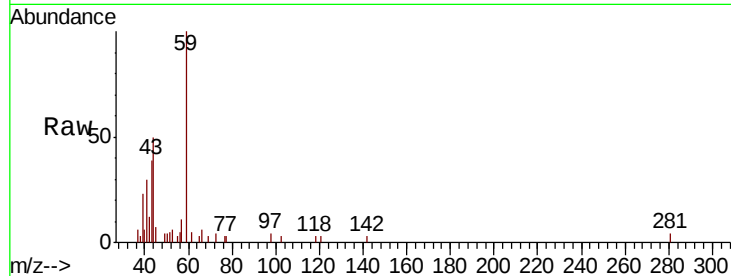
#11
Tert butyl alcohol
Concen: 108.24 ug/l
RT: 2.70 min Scan# 181
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.2	10.8#

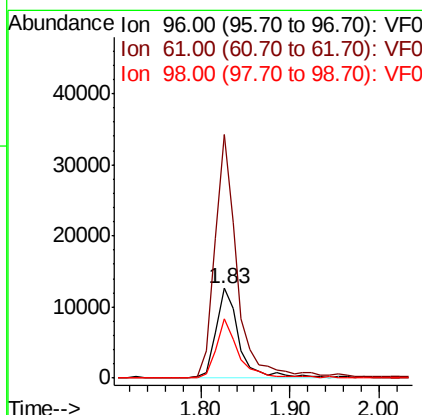
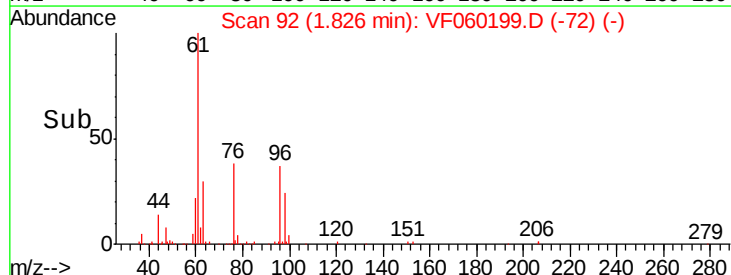
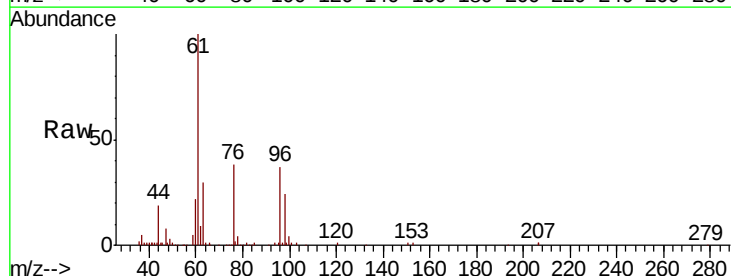
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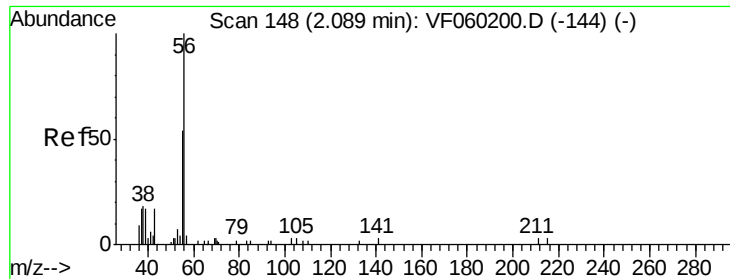
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#12
1,1-Dichloroethene
Concen: 21.10 ug/l
RT: 1.83 min Scan# 92
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	271.2	214.6	321.8
98	66.2	50.7	76.1





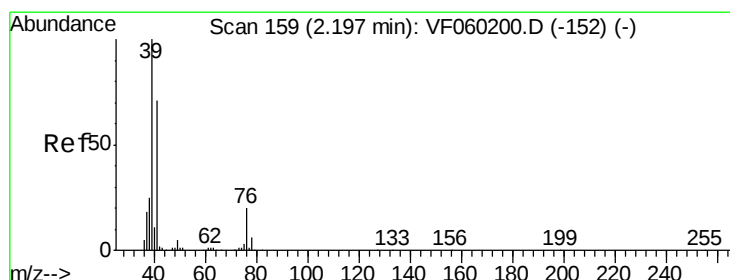
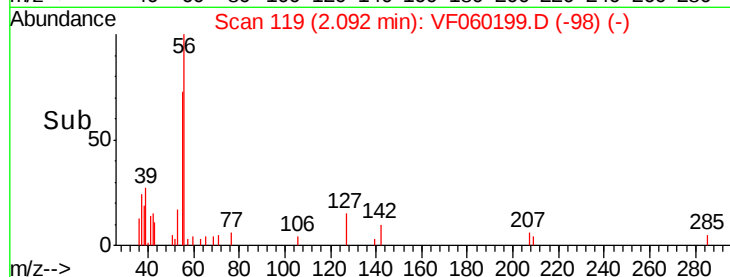
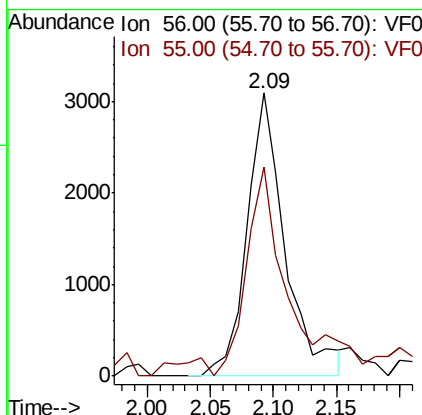
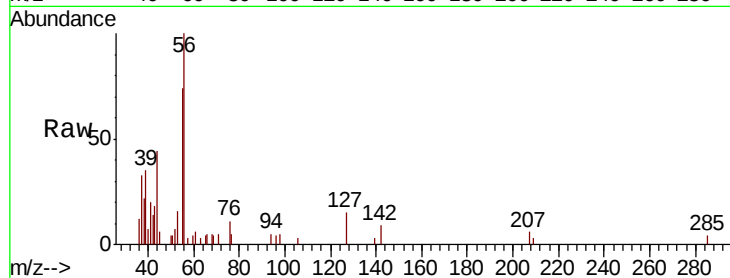
#13
Acrolein
Concen: 103.25 ug/l
RT: 2.09 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 6491
Ion Ratio Lower Upper
56 100
55 73.8 45.1 67.7#

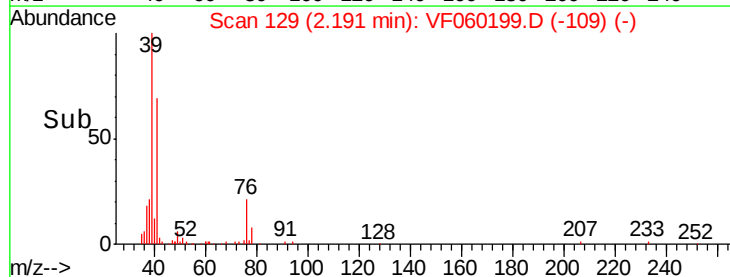
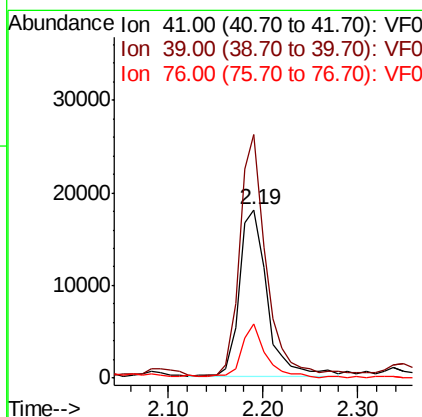
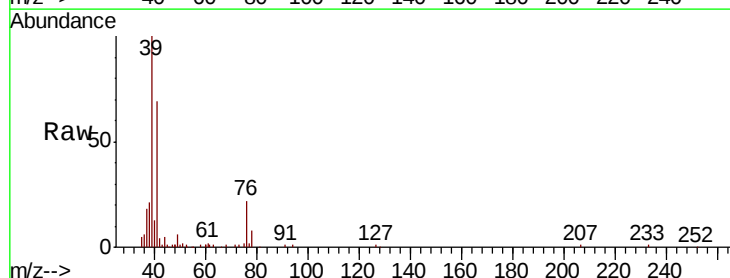
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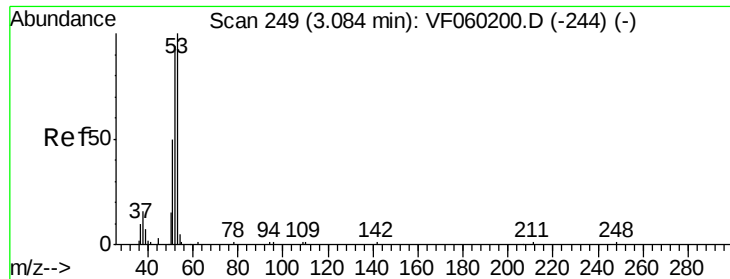
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#14
Allyl chloride
Concen: 22.41 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion: 41 Resp: 36854
Ion Ratio Lower Upper
41 100
39 144.8 112.2 168.2
76 32.2 23.2 34.8





#15

Acrylonitrile

Concen: 100.38 ug/l

RT: 3.09 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

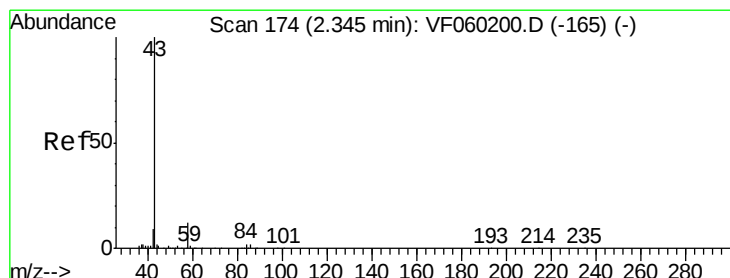
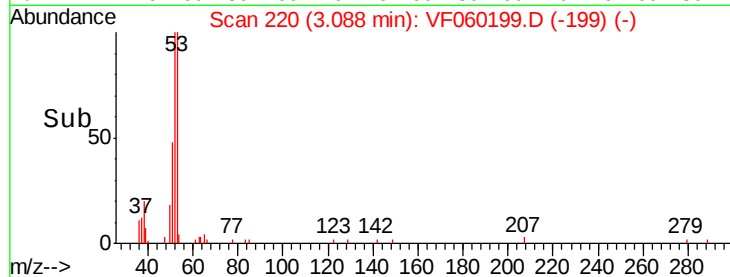
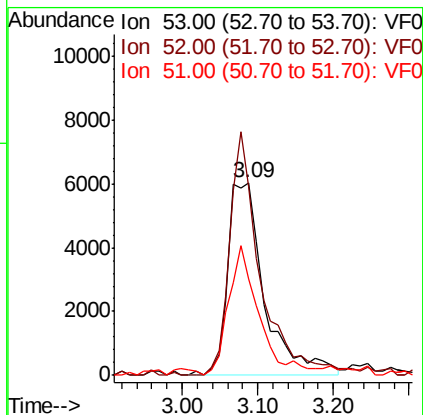
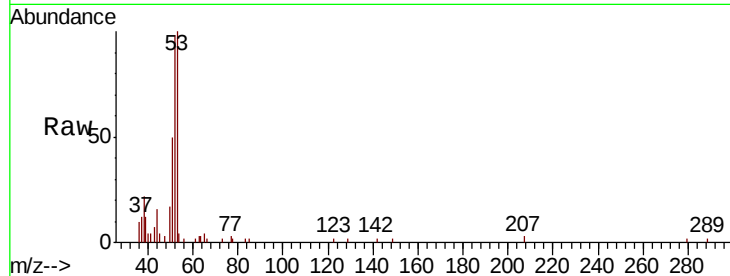
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	20271
Ion	Ratio	Lower	Upper
53	100		
52	98.1	75.0	112.6
51	50.1	39.9	59.9

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#16

Acetone

Concen: 118.19 ug/l

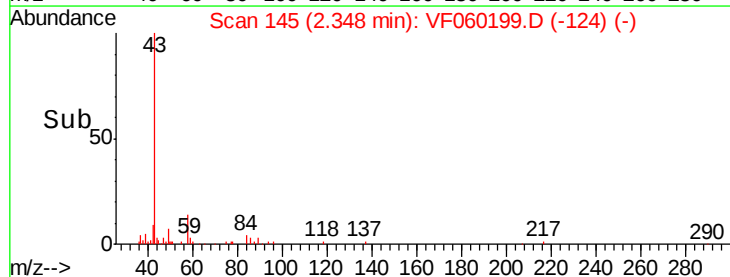
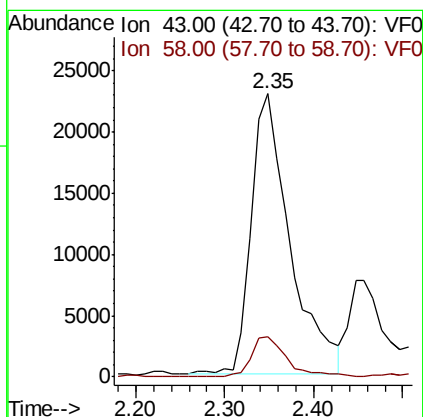
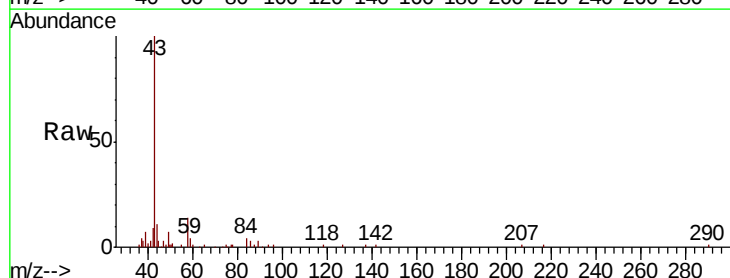
RT: 2.35 min Scan# 145

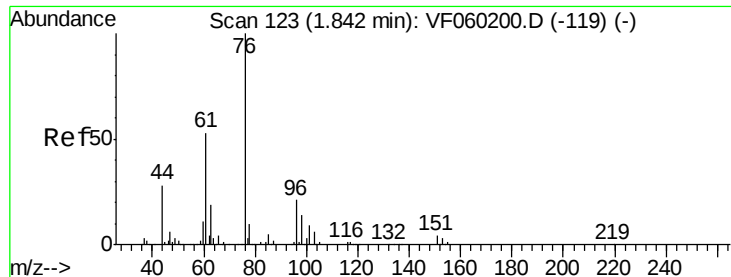
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	43	Resp:	68670
Ion	Ratio	Lower	Upper
43	100		
58	14.1	9.7	14.5





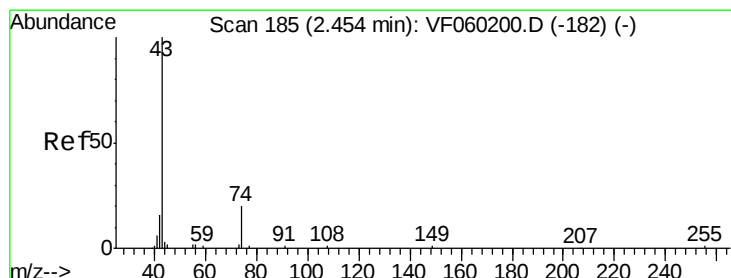
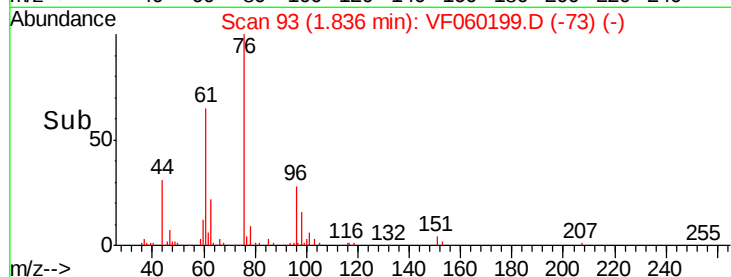
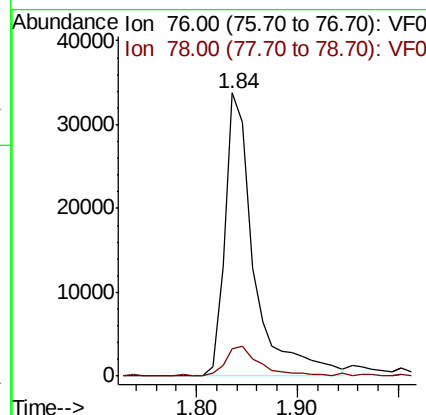
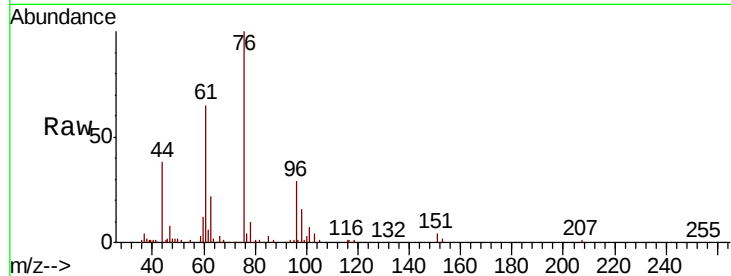
#17
Carbon Disulfide
Concen: 21.19 ug/l
RT: 1.84 min Scan# 93
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	8.5	12.7

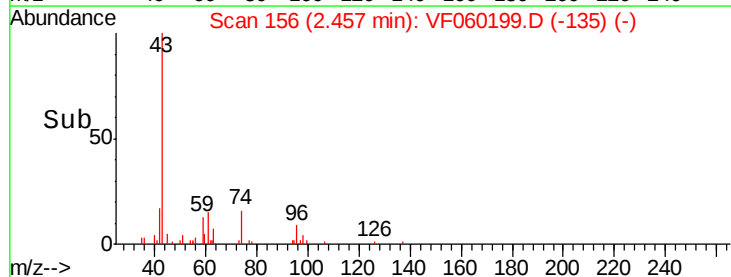
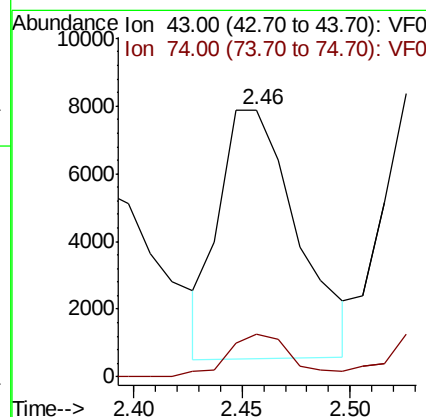
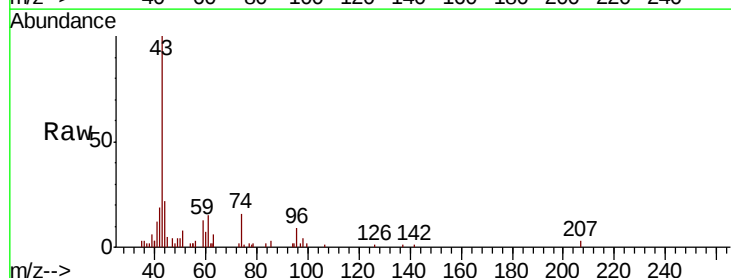
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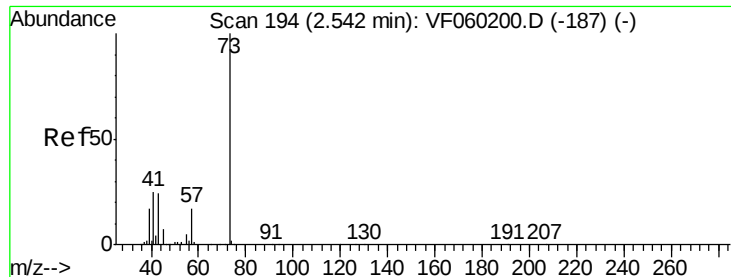
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#18
Methyl Acetate
Concen: 19.63 ug/l
RT: 2.46 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.9	11.9	17.9





#19

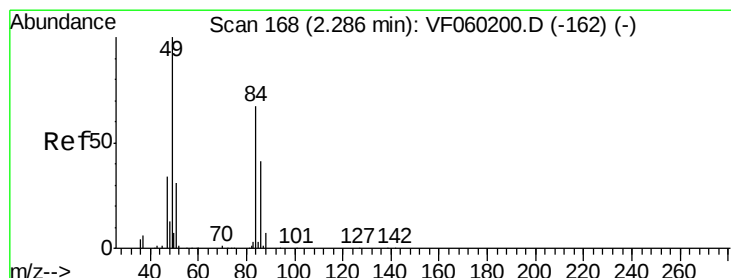
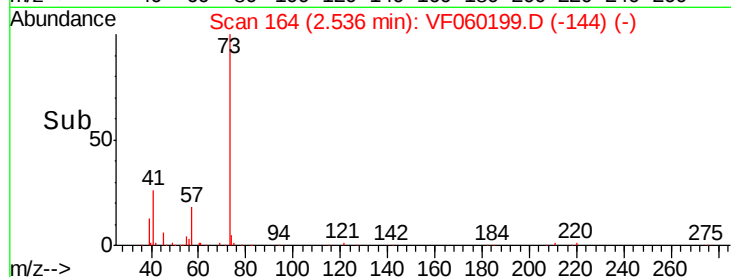
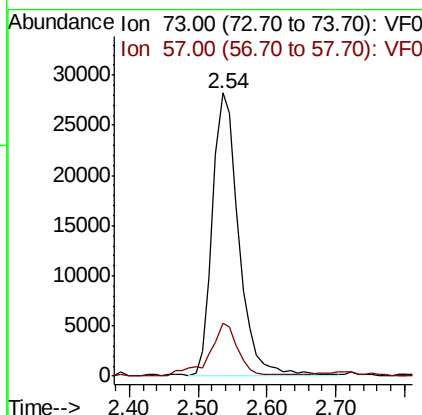
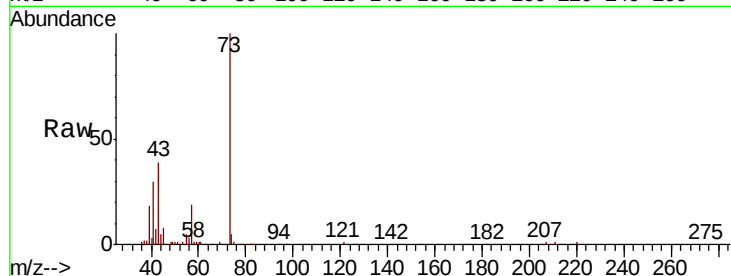
Methyl tert-butyl Ether
 Concen: 20.84 ug/l
 RT: 2.54 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.3	21.5

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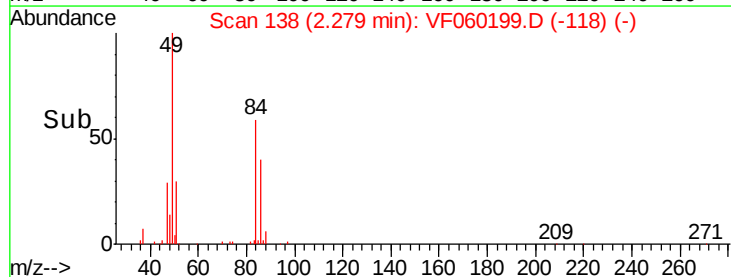
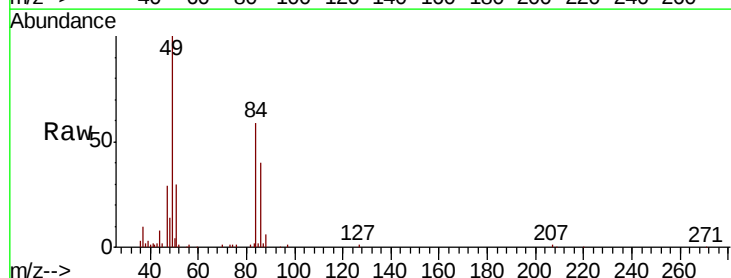
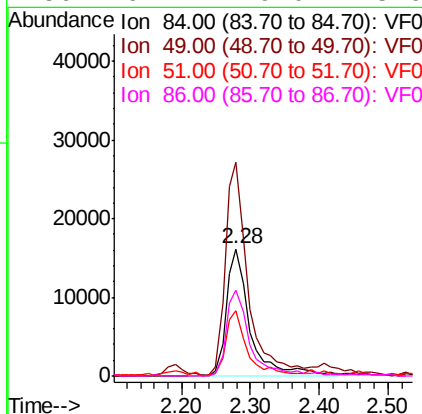
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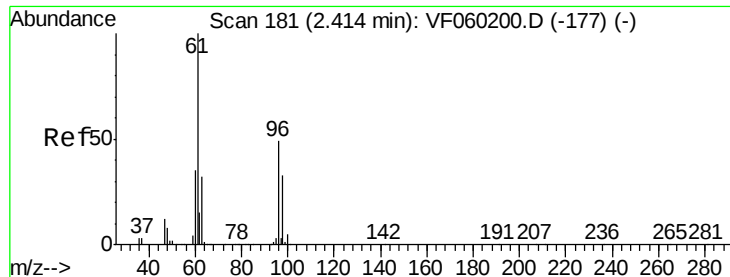


#20

Methylene Chloride
 Concen: 21.86 ug/l
 RT: 2.28 min Scan# 138
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.2	120.1	180.1
51	51.1	37.0	55.6
86	67.2	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 21.10 ug/l

RT: 2.41 min Scan# 151

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

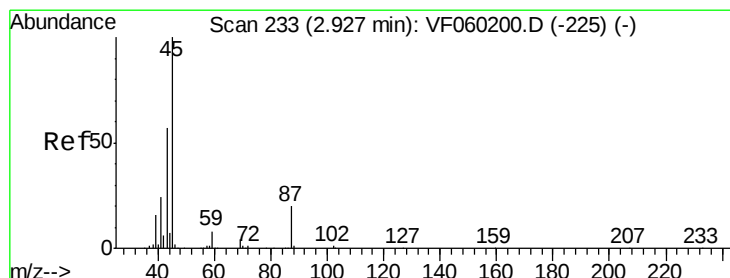
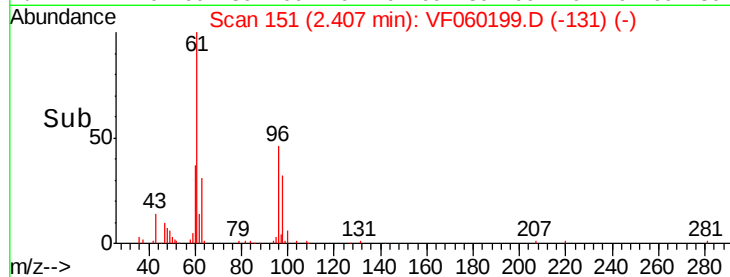
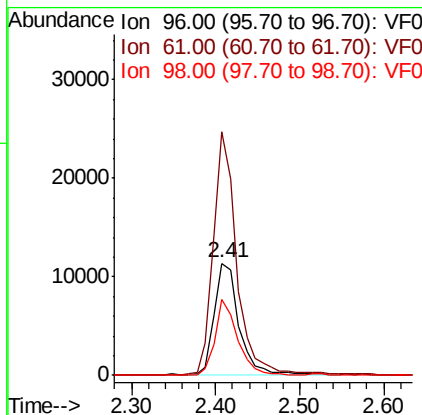
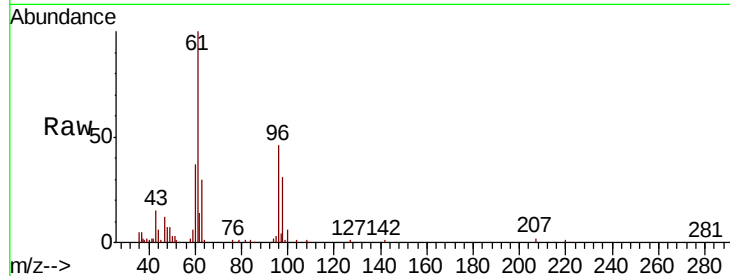
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	23550
Ion	Ratio	Lower	Upper
96	100		
61	217.4	163.1	244.7
98	68.0	54.1	81.1

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#22

Diisopropyl ether

Concen: 20.21 ug/l

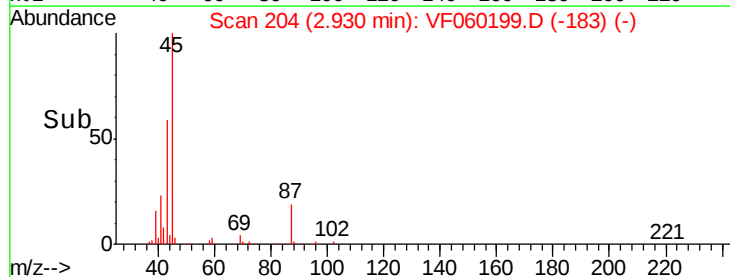
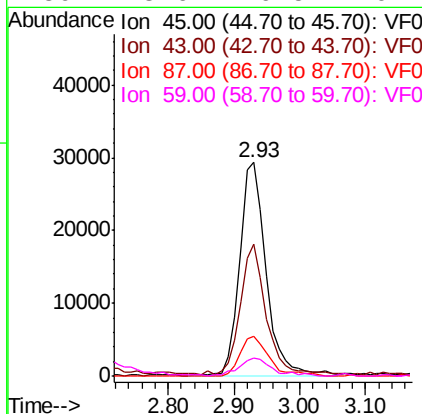
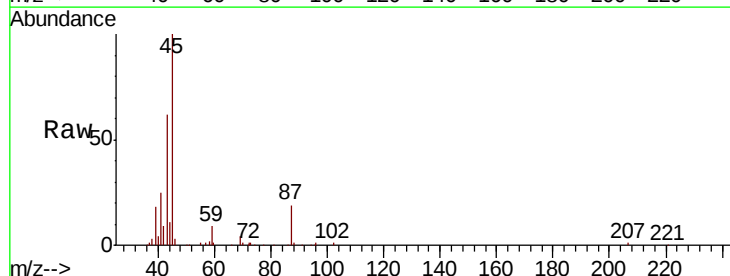
RT: 2.93 min Scan# 204

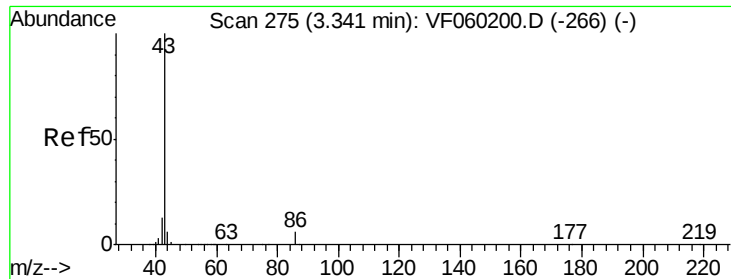
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	45	Resp:	83456
Ion	Ratio	Lower	Upper
45	100		
43	61.9	46.2	69.4
87	18.7	16.1	24.1
59	8.6	6.5	9.7





#23

Vinyl Acetate

Concen: 108.10 ug/l

RT: 3.33 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 156234

Ion Ratio Lower Upper

43 100

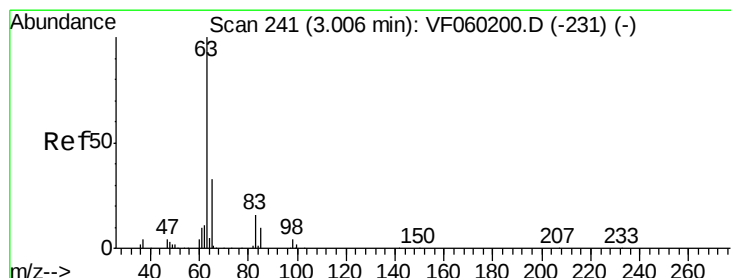
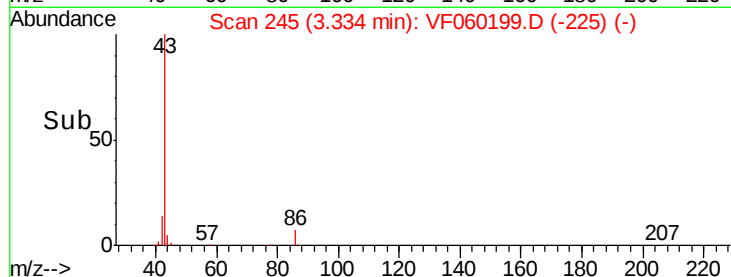
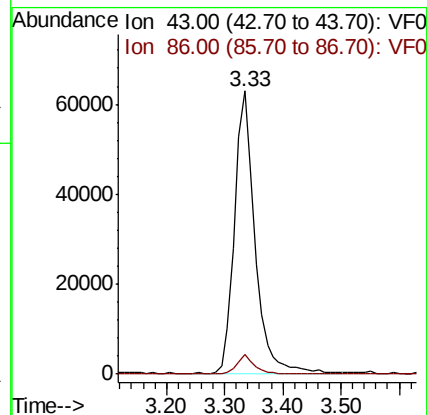
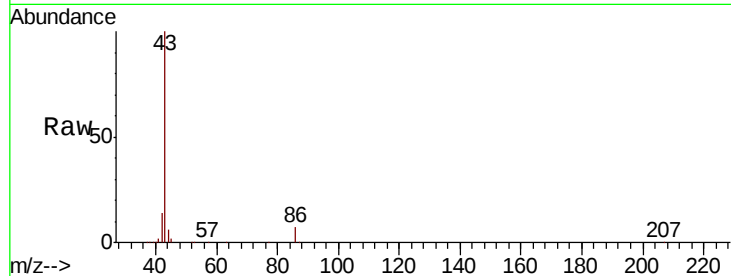
86 6.9 4.8 7.2

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#24

1,1-Dichloroethane

Concen: 21.53 ug/l

RT: 3.00 min Scan# 211

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

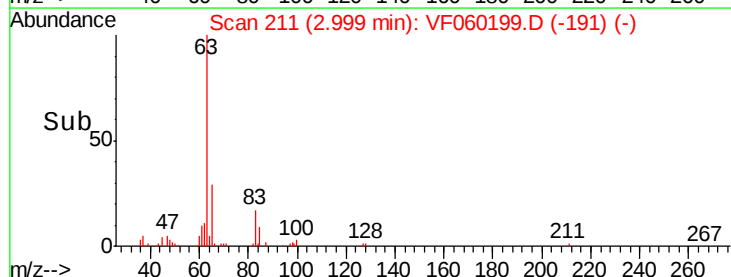
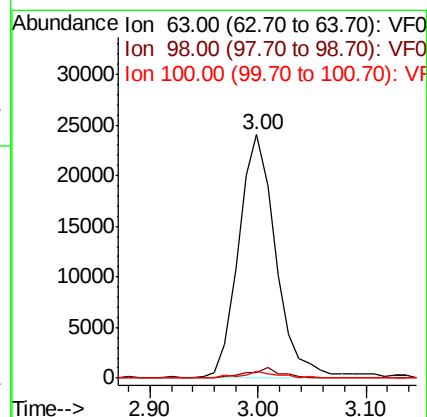
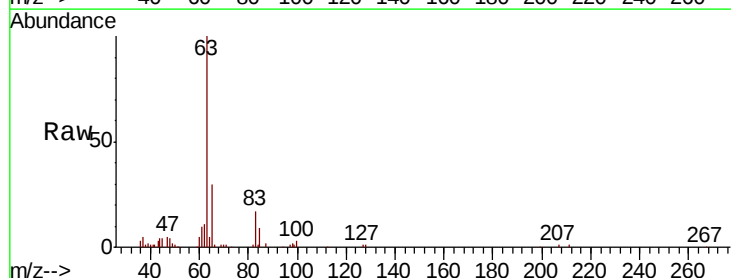
Tgt Ion: 63 Resp: 57810

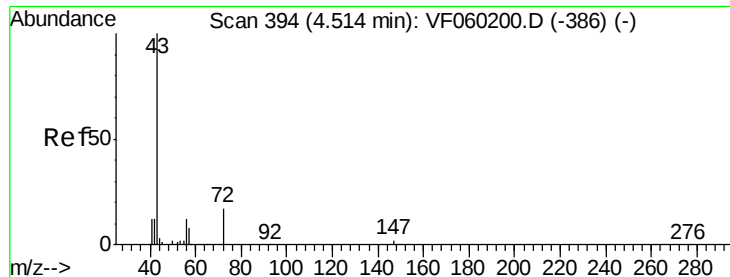
Ion Ratio Lower Upper

63 100

98 2.4 1.9 5.7

100 2.9 1.1 3.1





#25

2-Butanone

Concen: 116.46 ug/l

RT: 4.51 min Scan# 364

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 86152

Ion Ratio Lower Upper

43 100

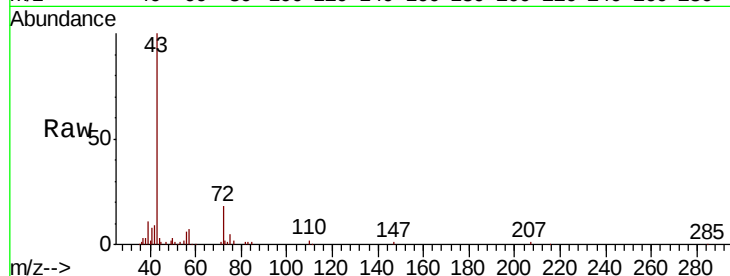
72 17.9 14.8 22.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

25000

20000

15000

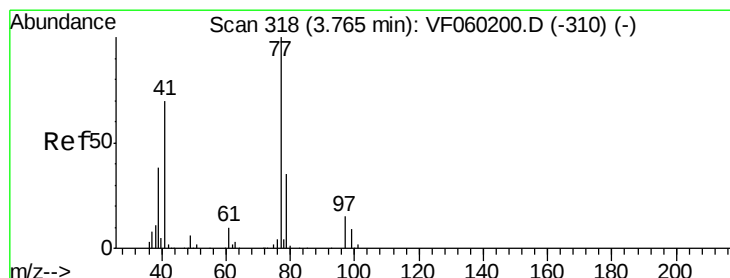
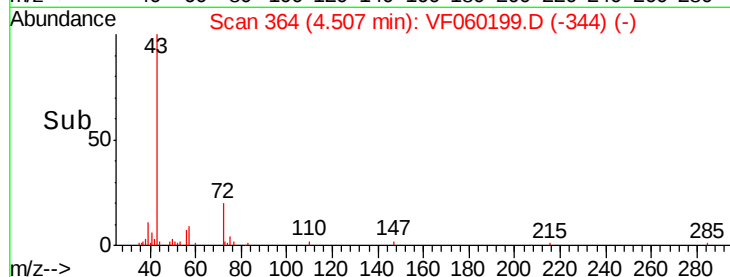
10000

5000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 23.61 ug/l

RT: 3.76 min Scan# 288

Delta R.T. -0.01 min

Lab File: VF060199.D

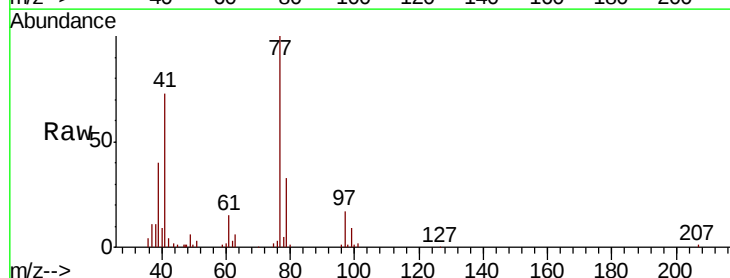
Acq: 6 Sep 2018 12:43

Tgt Ion: 77 Resp: 76768

Ion Ratio Lower Upper

77 100

97 17.2 7.5 22.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

25000

20000

15000

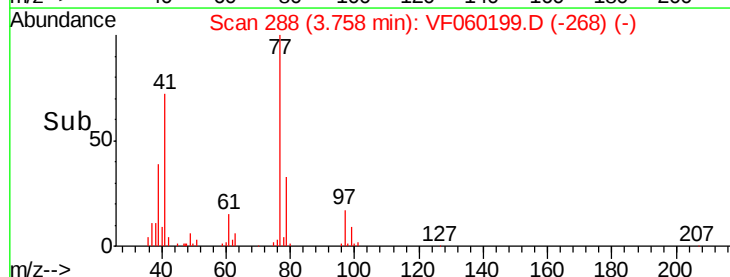
10000

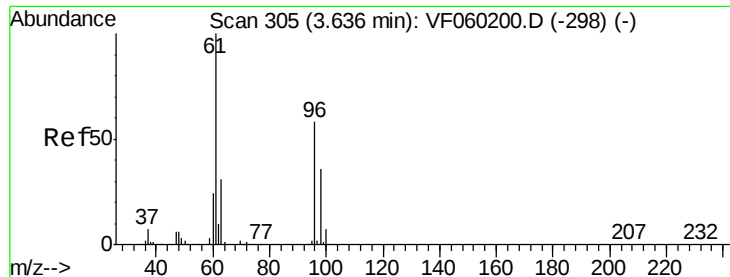
5000

0

3.60 3.70 3.80 3.90

Time-->





#27

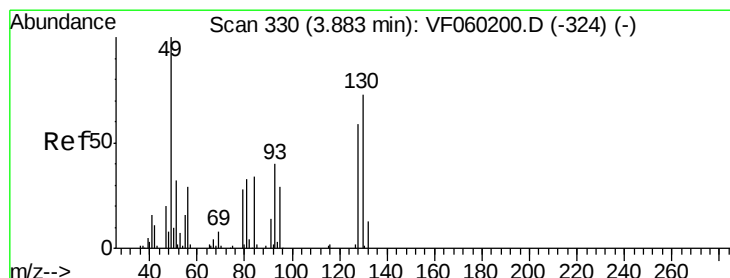
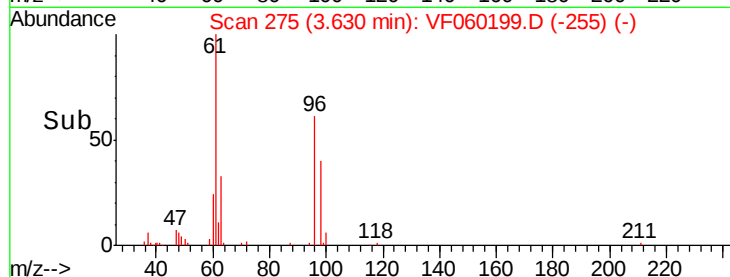
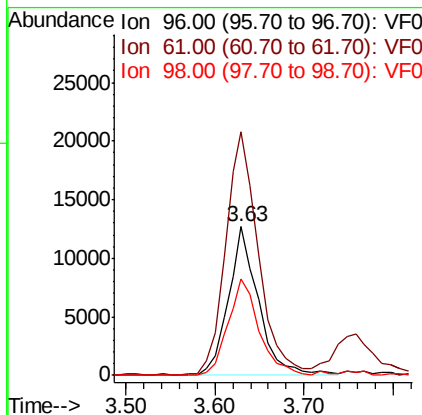
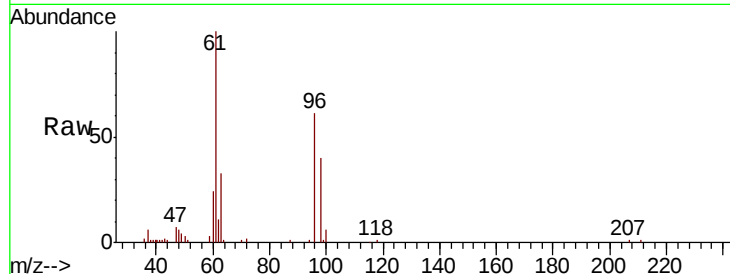
cis-1,2-Dichloroethene
Concen: 20.76 ug/l
RT: 3.63 min Scan# 275
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	345.2
98	64.8	0.0	124.6

Manual Integrations
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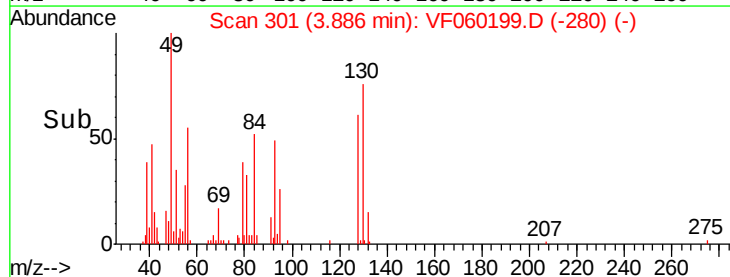
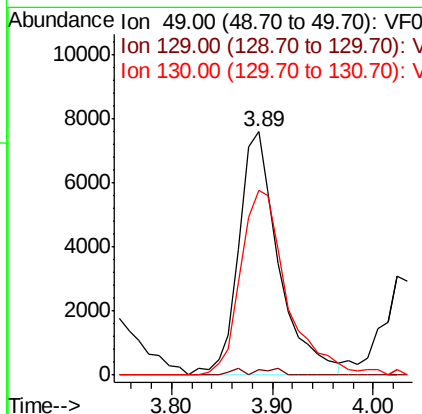
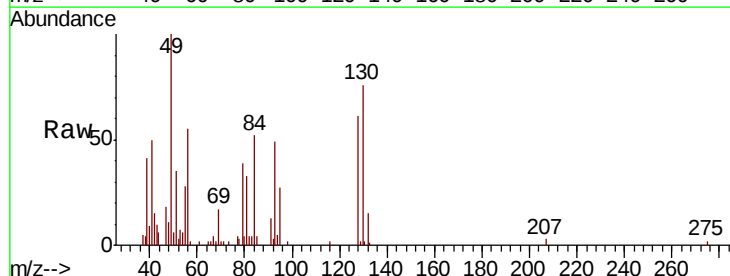
apatel
9/7/2018 10:49:57 AM

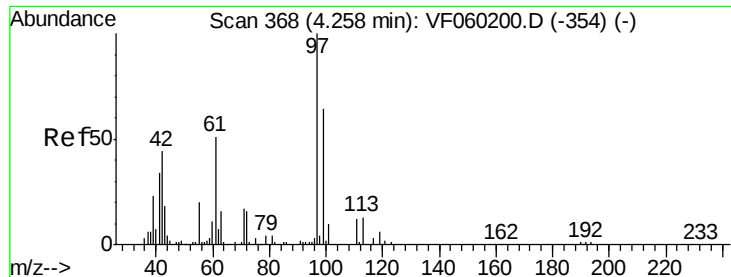


#28

Bromochloromethane
Concen: 23.21 ug/l
RT: 3.89 min Scan# 301
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	77.6	57.8	86.6





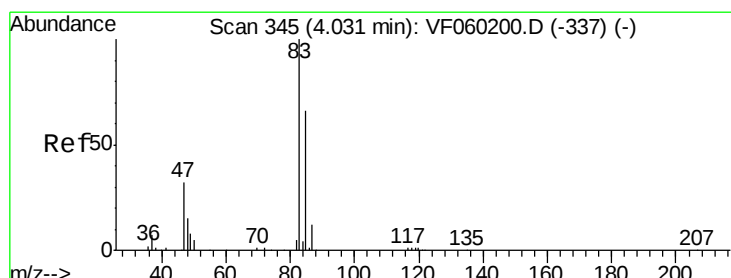
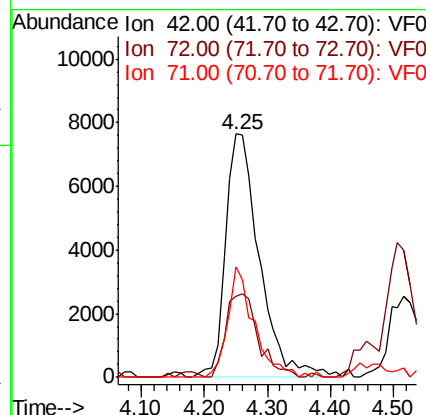
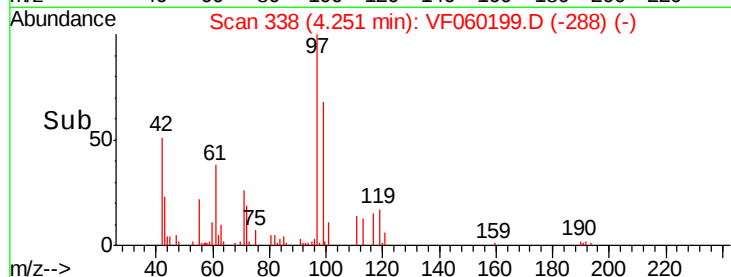
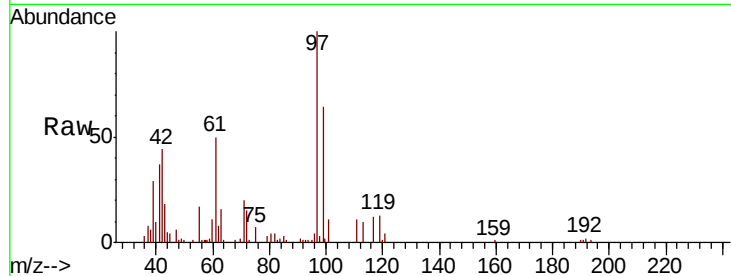
#29
Tetrahydrofuran
Concen: 115.94 ug/l
RT: 4.25 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.0	27.4	41.0
71	35.3	28.5	42.7

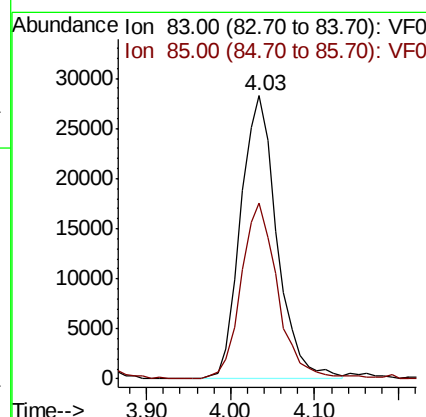
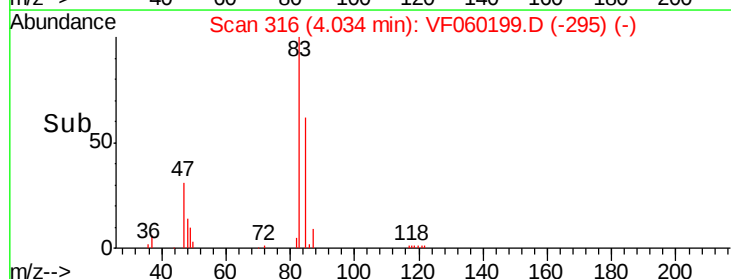
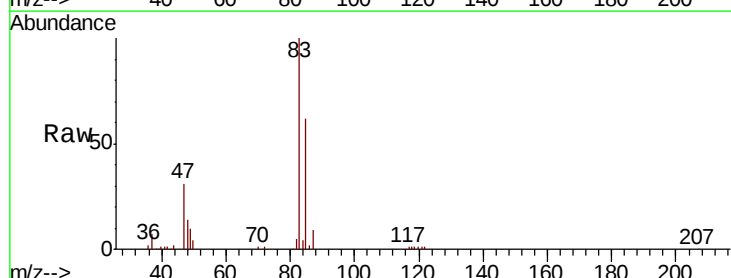
Manual Integrations
APPROVED

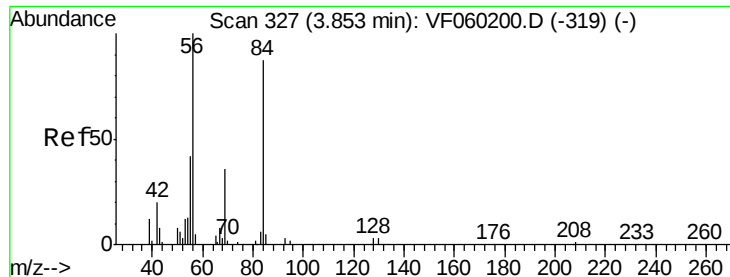
apatel
9/7/2018 10:49:57 AM



#30
Chloroform
Concen: 21.49 ug/l
RT: 4.03 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





#31

Cyclohexane

Concen: 21.61 ug/l

RT: 3.86 min Scan# 298

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

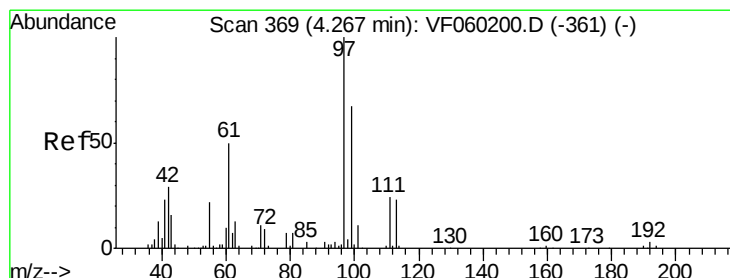
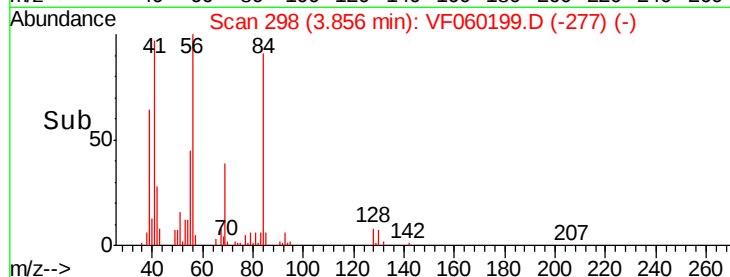
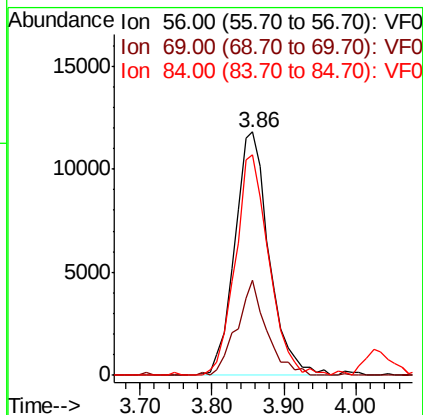
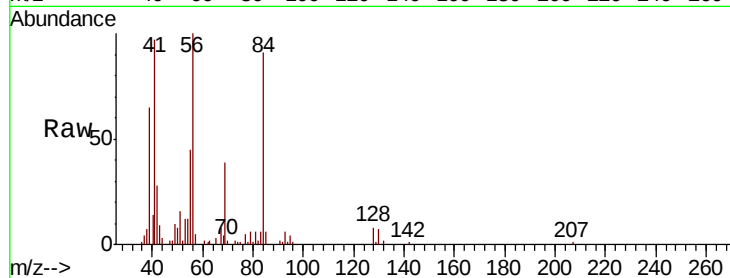
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	39188
Ion	Ratio	Lower	Upper
56	100		
69	38.8	28.7	43.1
84	90.8	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.97 ug/l

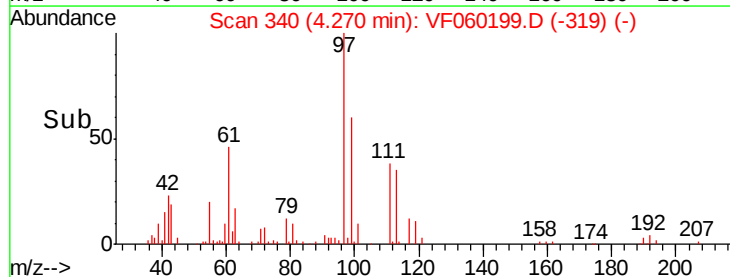
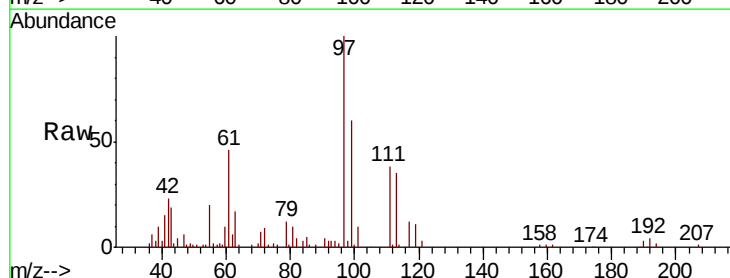
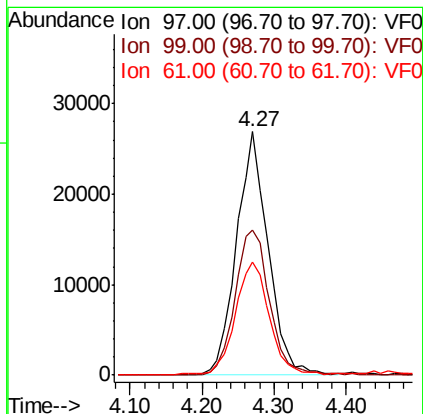
RT: 4.27 min Scan# 340

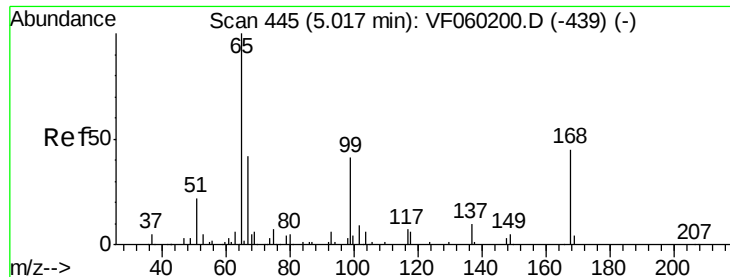
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	97	Resp:	82507
Ion	Ratio	Lower	Upper
97	100		
99	59.5	53.5	80.3
61	46.3	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 20.89 ug/l

RT: 5.02 min Scan# 416

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 55787

Ion Ratio Lower Upper

65 100

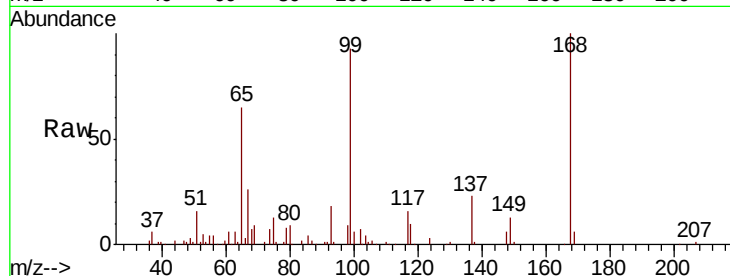
67 40.3 0.0 87.2

Manual Integrations

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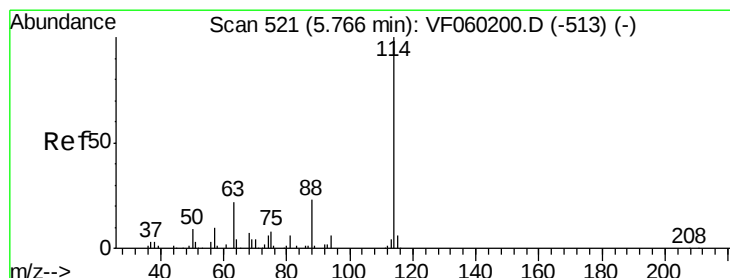
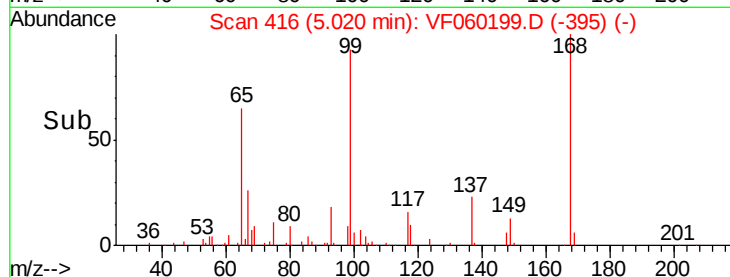
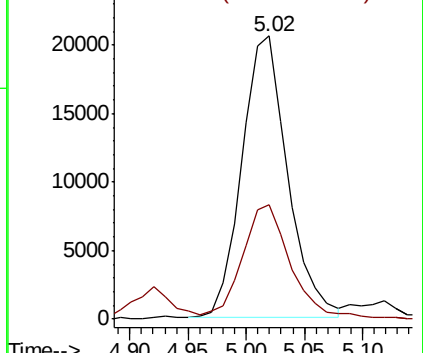
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 491

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

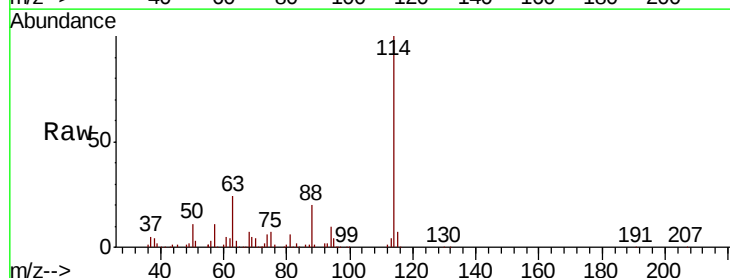
Tgt Ion: 114 Resp: 218687

Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.6

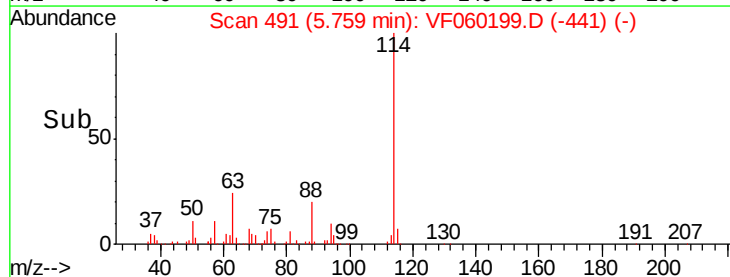
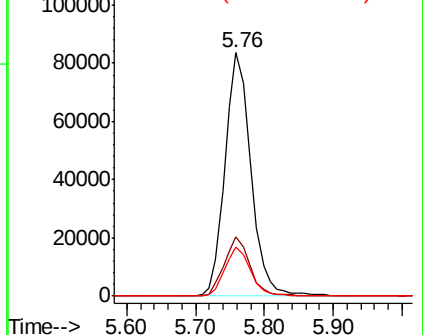
88 20.3 0.0 46.4

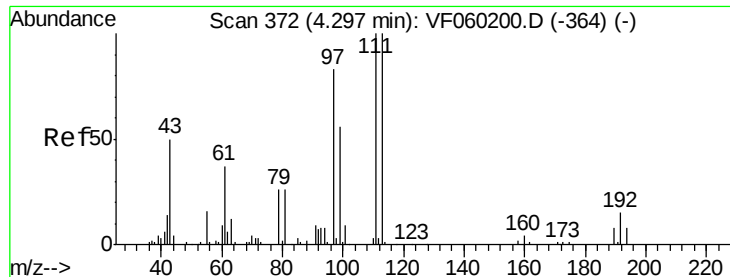


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





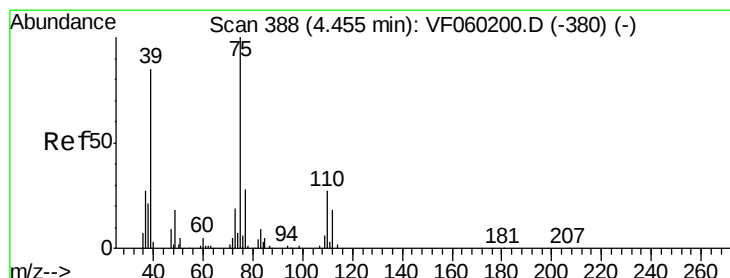
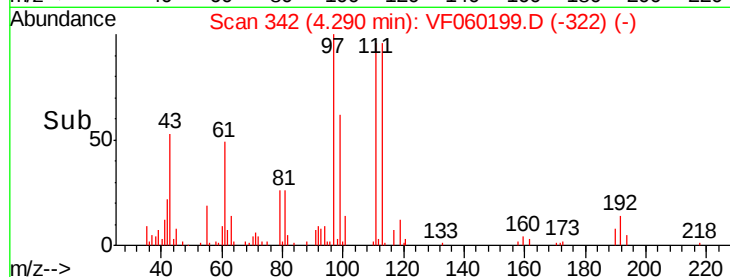
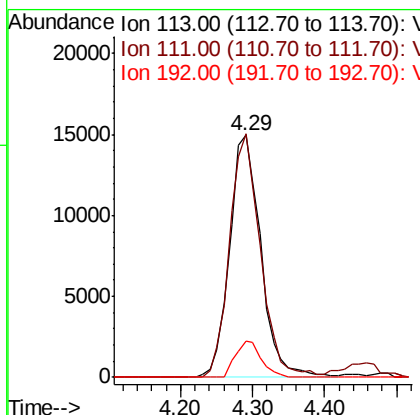
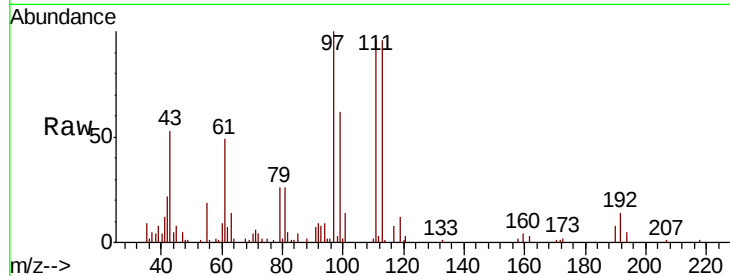
#35
 Dibromofluoromethane
 Concen: 21.23 ug/l
 RT: 4.29 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.2	120.2
192	15.1	11.8	17.8

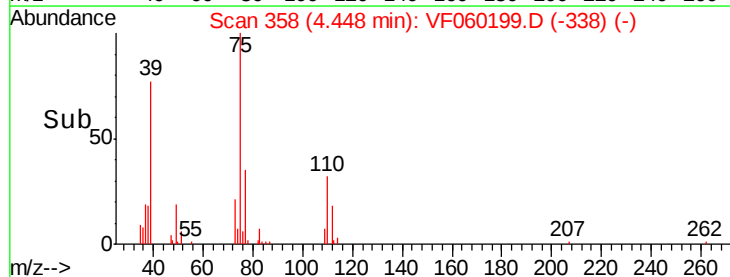
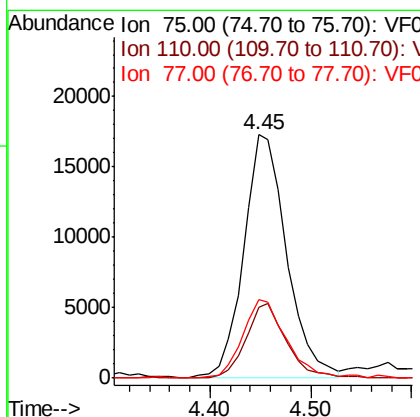
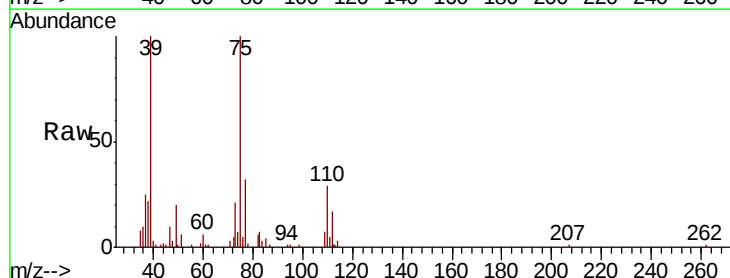
Manual Integrations
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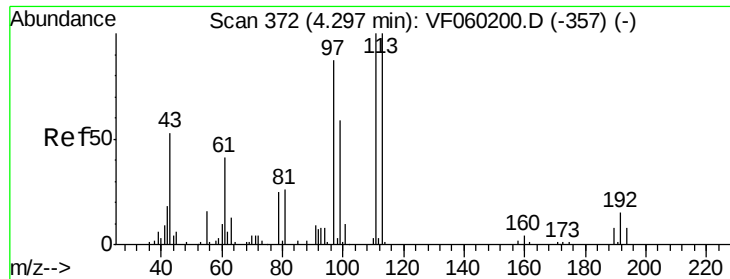
apatel
 9/7/2018 10:49:57 AM



#36
 1,1-Dichloropropene
 Concen: 20.26 ug/l
 RT: 4.45 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	13.6	40.7
77	32.4	22.7	34.1





#37

Ethyl Acetate

Concen: 20.31 ug/l

RT: 4.29 min Scan# 342

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

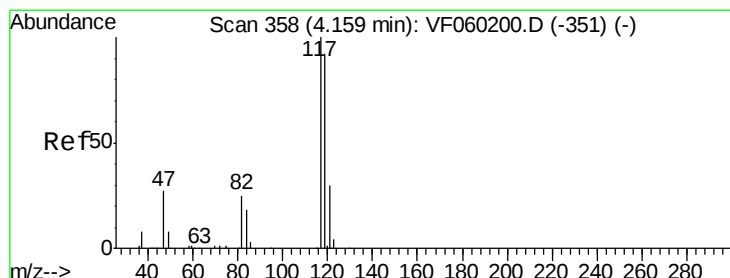
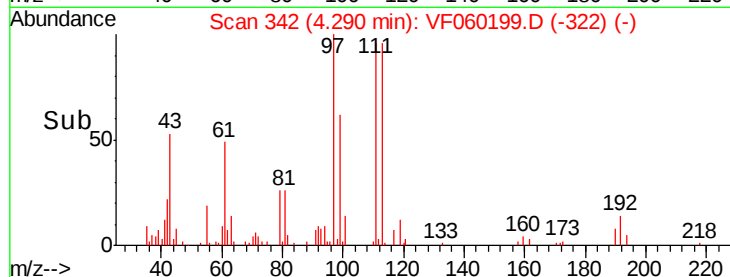
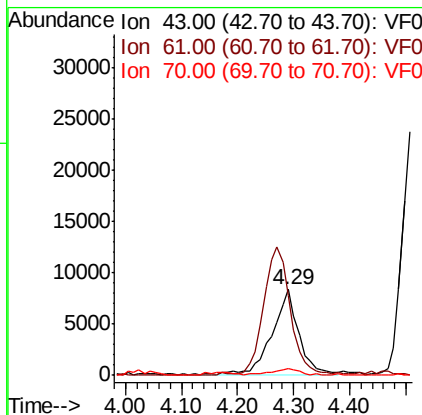
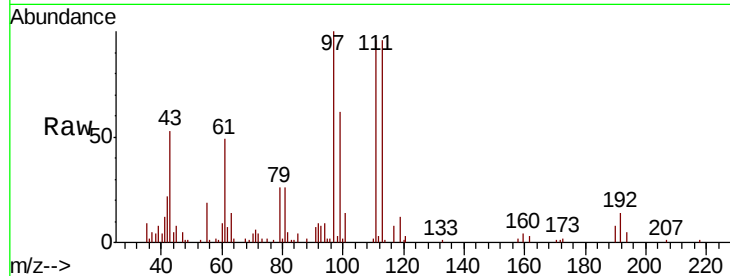
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	28370
Ion	Ratio	Lower	Upper
43	100		
61	92.3	61.6	92.4
70	7.8	6.9	10.3

Manual Integrations
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apatel
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#38

Carbon Tetrachloride

Concen: 20.91 ug/l

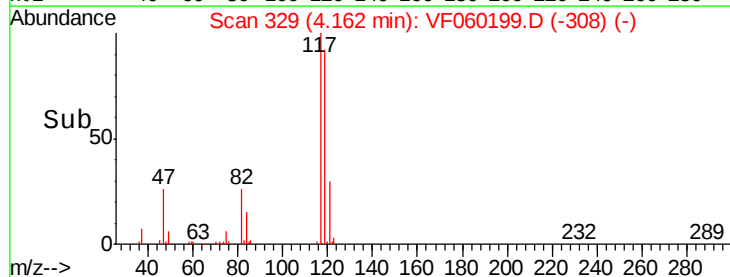
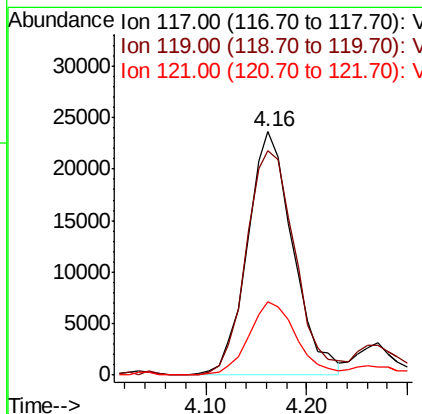
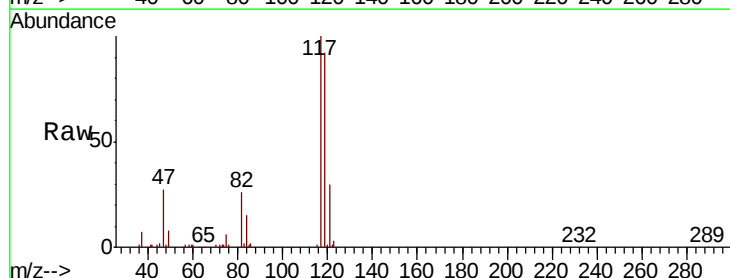
RT: 4.16 min Scan# 329

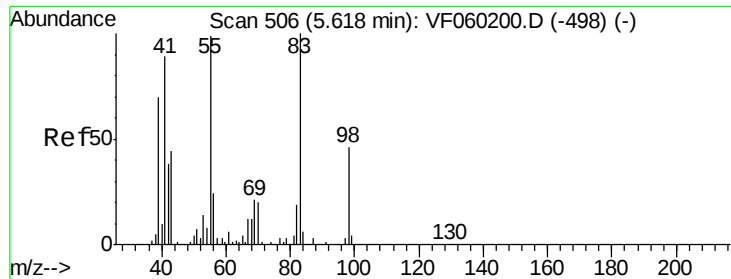
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	117	Resp:	74225
Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.0	109.6
121	30.1	23.9	35.9





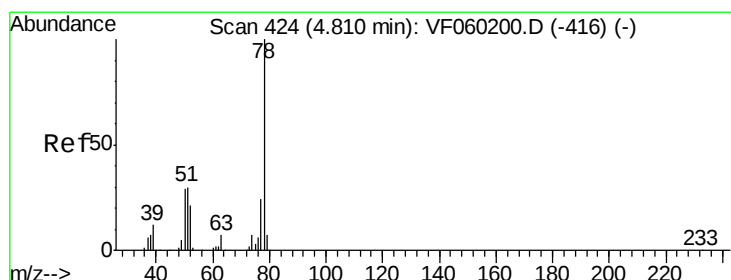
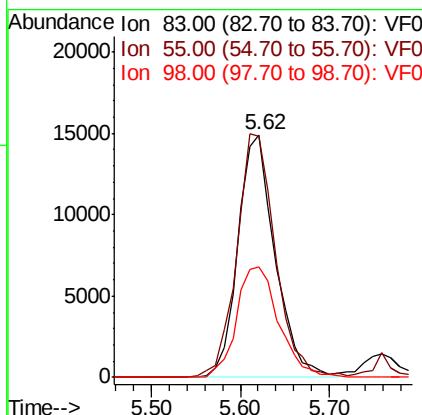
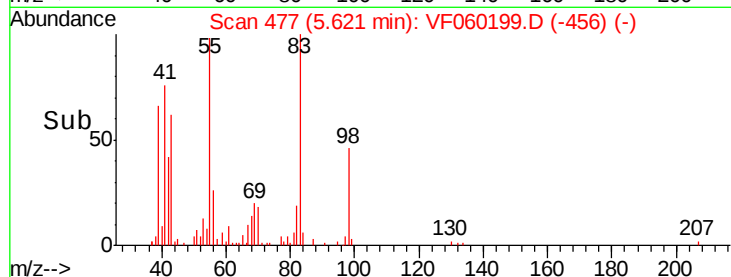
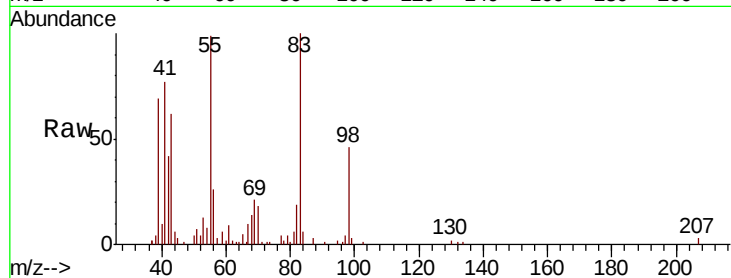
#39
Methvlcvclohexane
Concen: 20.13 ug/l
RT: 5.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.1	79.0	118.4
98	45.7	36.7	55.1

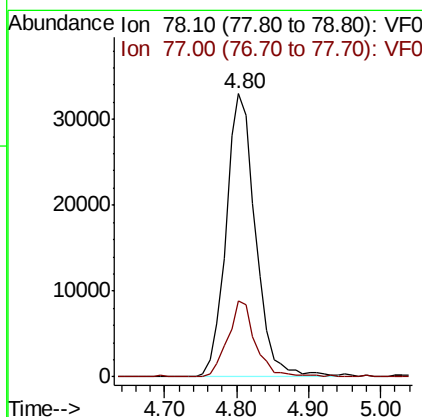
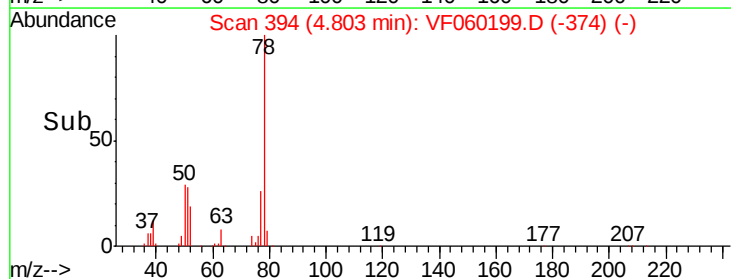
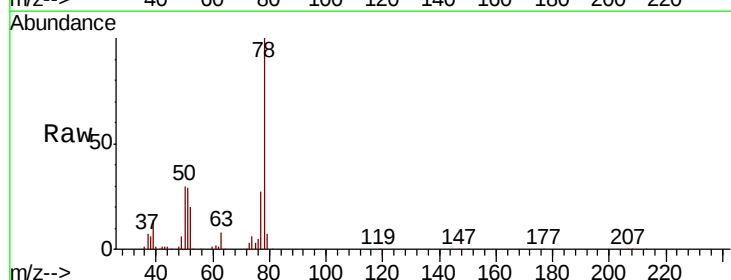
Manual Integrations
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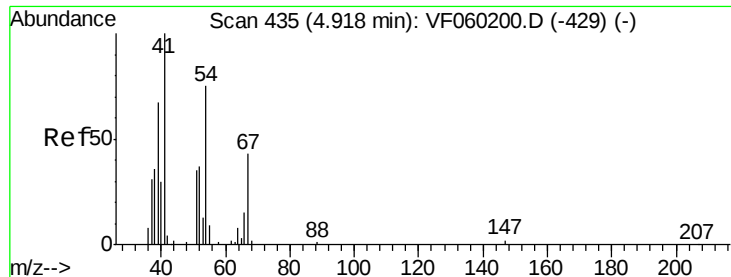
apatel
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#40
Benzene
Concen: 20.75 ug/l
RT: 4.80 min Scan# 394
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.4





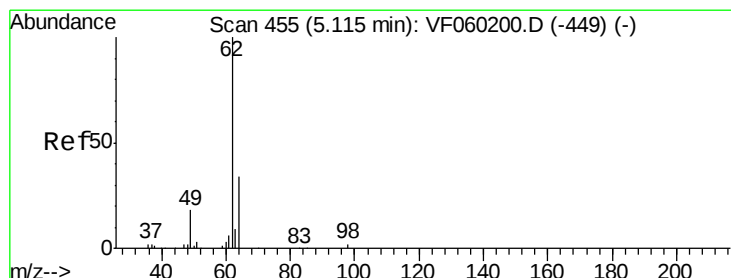
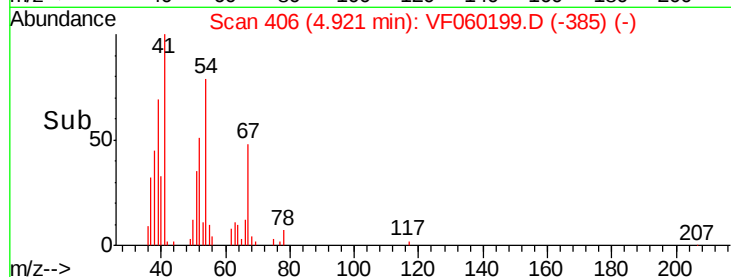
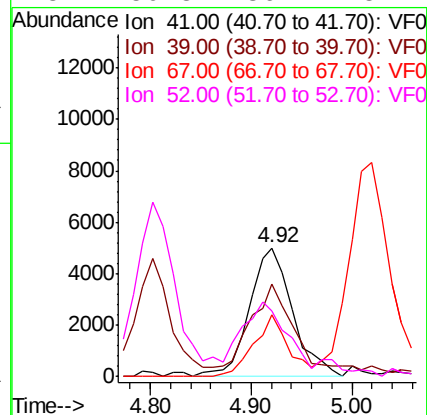
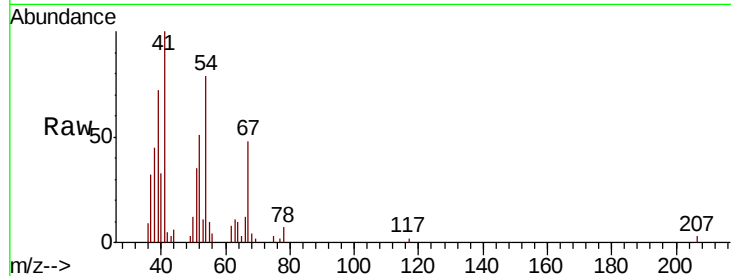
#41
Methacrylonitrile
Concen: 22.33 ug/l
RT: 4.92 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.9	57.4	86.2
67	47.9	34.6	52.0
52	50.8	36.2	54.4

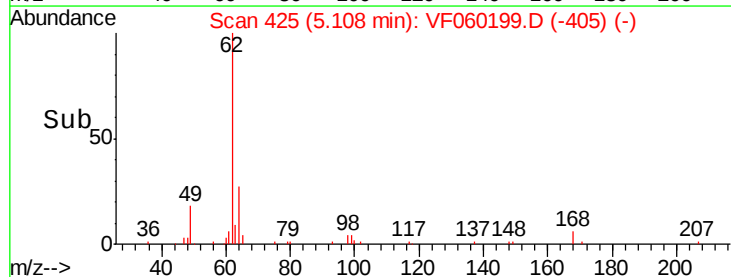
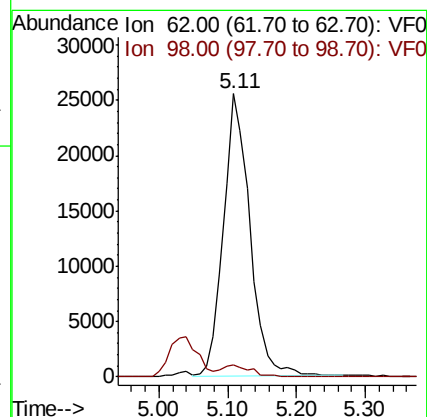
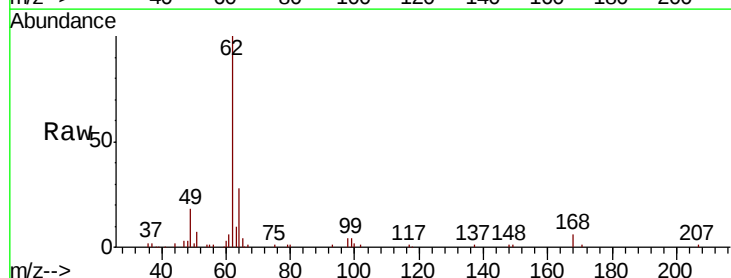
Manual Integrations
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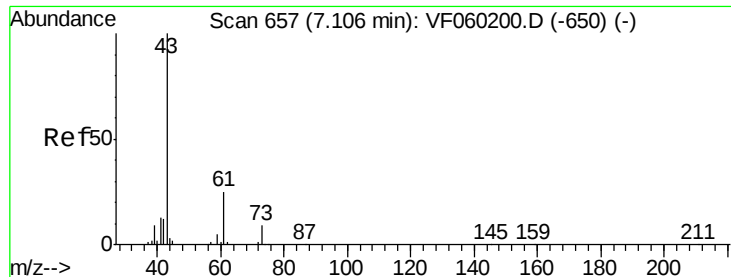
apatel
9/7/2018 10:49:57 AM



#42
1,2-Dichloroethane
Concen: 20.47 ug/l
RT: 5.11 min Scan# 425
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	8.8





#43

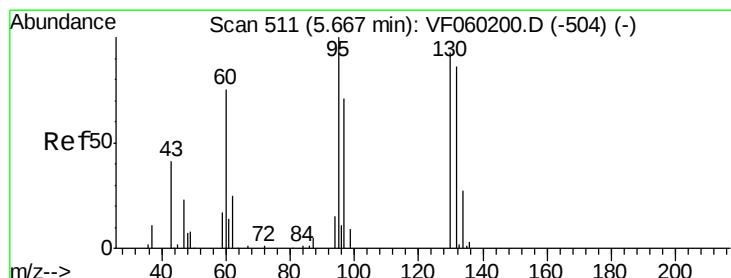
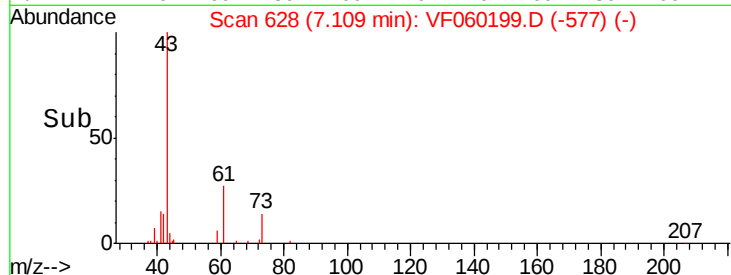
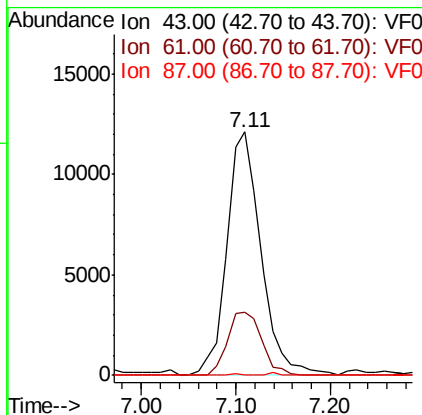
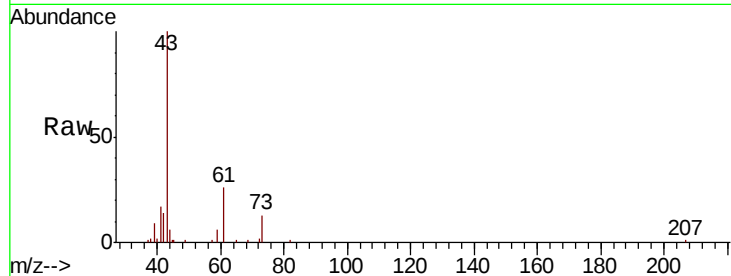
Isopropyl Acetate
 Concen: 20.18 ug/l
 RT: 7.11 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	19.9	29.9
87	0.0	0.4	0.6

Manual Integrations
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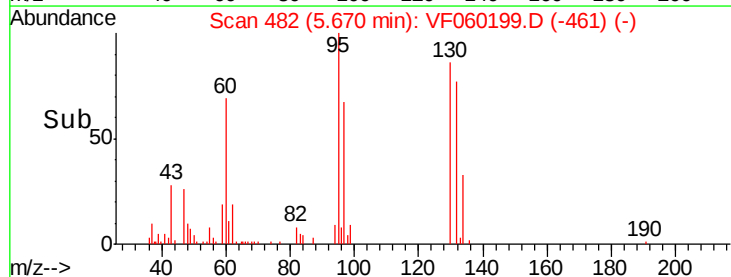
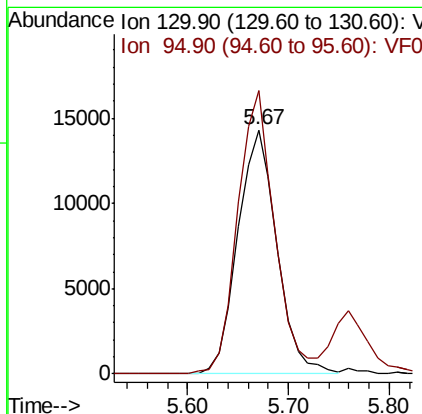
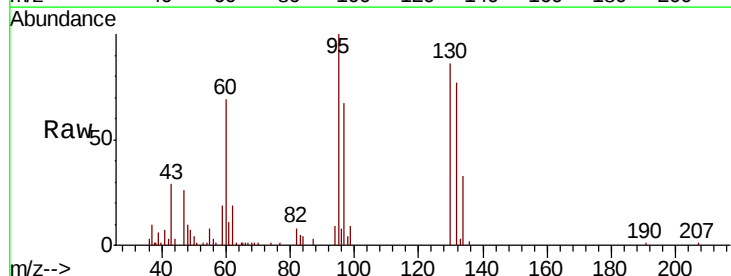
apatel
 9/7/2018 10:49:57 AM

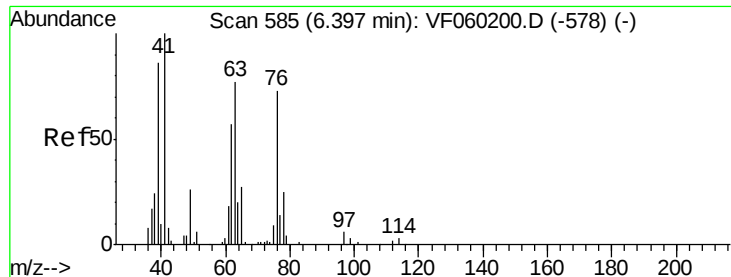


#44

Trichloroethene
 Concen: 20.75 ug/l
 RT: 5.67 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.9	0.0	215.4





#45

1,2-Dichloropropane

Concen: 20.40 ug/l

RT: 6.40 min Scan# 556

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 26336

Ion Ratio Lower Upper

63 100

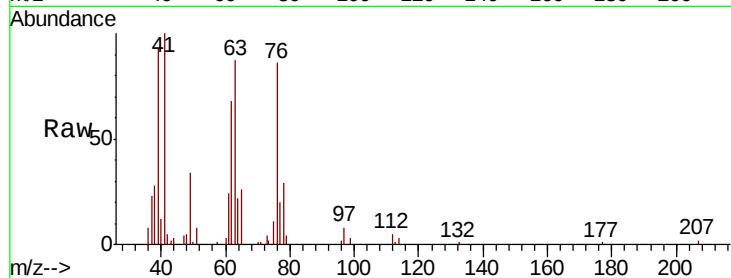
65 30.2 27.9 41.9

Manual Integrations

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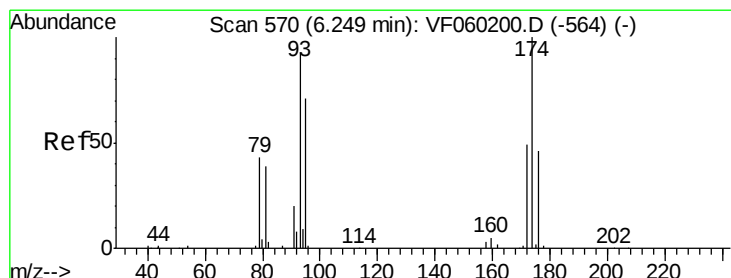
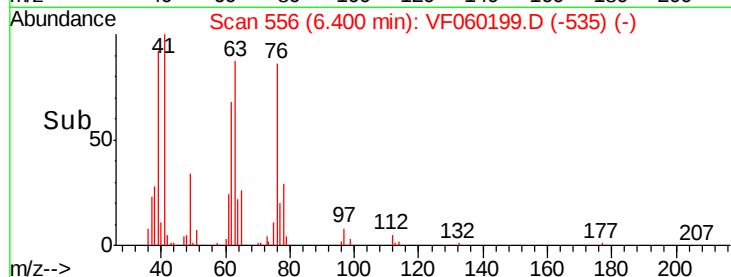
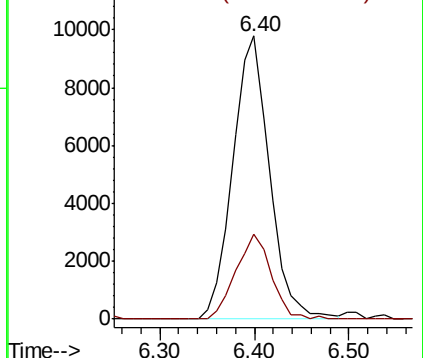
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.43 ug/l

RT: 6.25 min Scan# 541

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

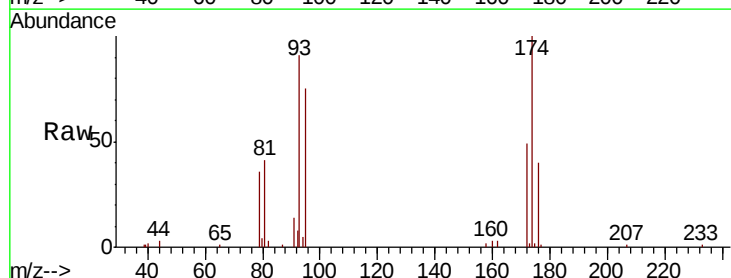
Tgt Ion: 93 Resp: 25876

Ion Ratio Lower Upper

93 100

95 82.8 61.4 92.2

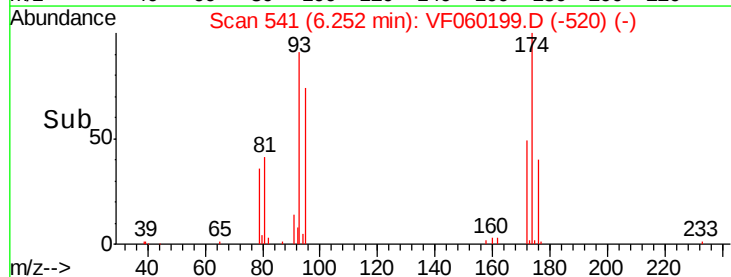
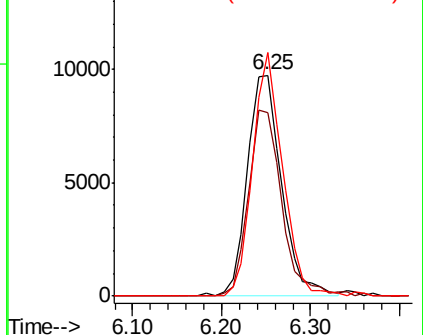
174 110.1 85.9 128.9

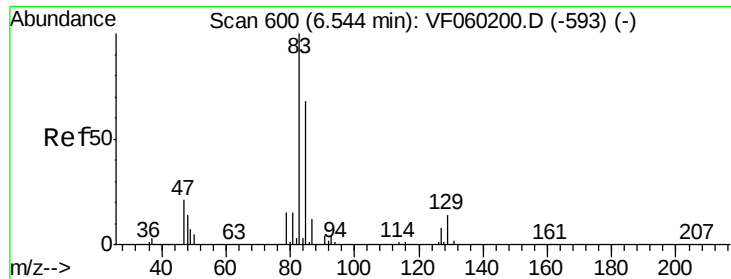


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.98 ug/l

RT: 6.55 min Scan# 571

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

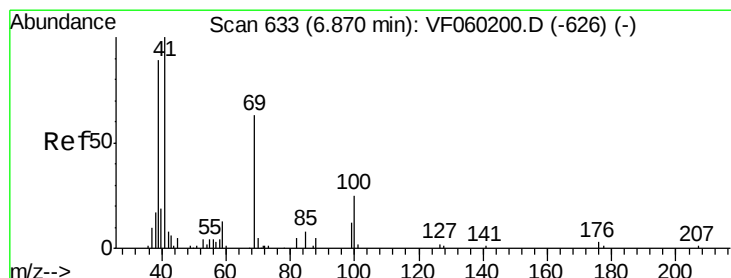
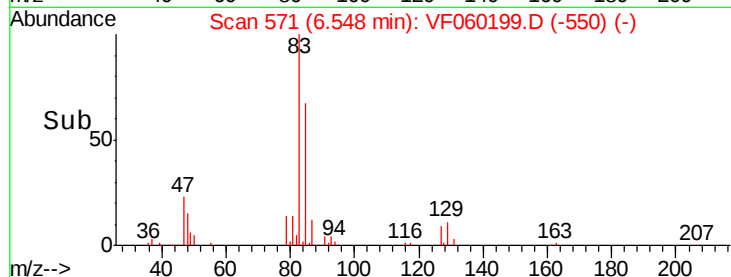
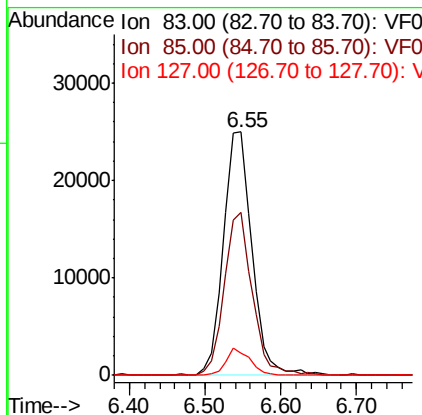
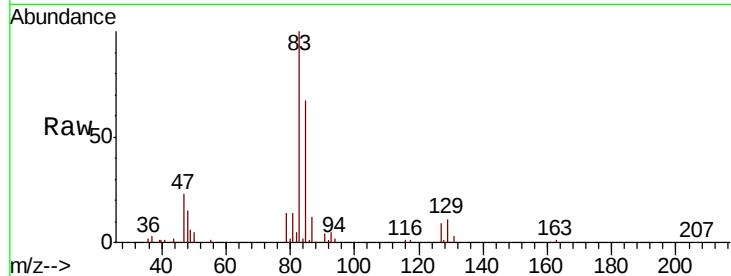
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	65397
Ion Ratio	Lower	Upper	
83	100		
85	66.9	54.0	81.0
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.05 ug/l

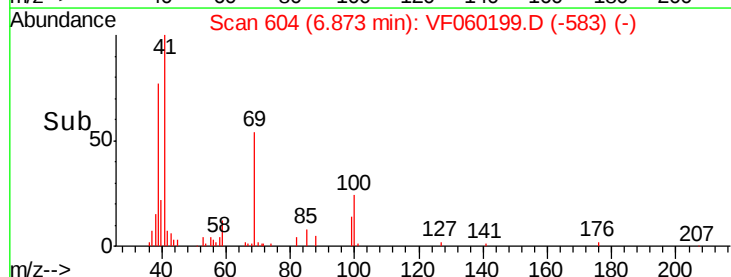
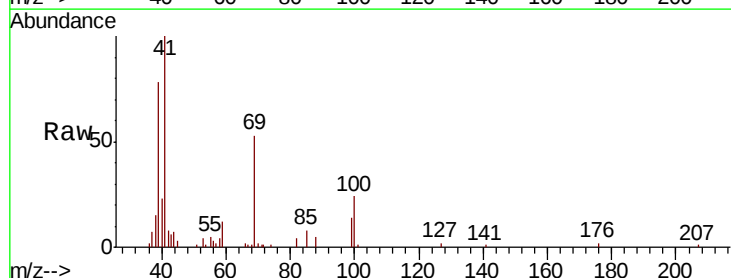
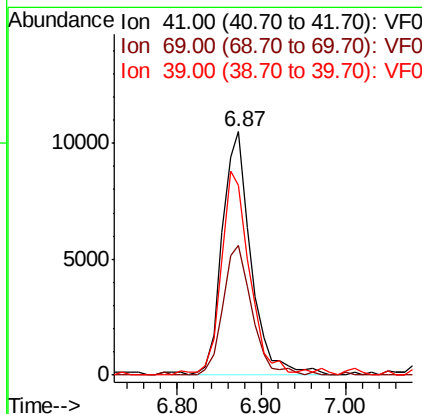
RT: 6.87 min Scan# 604

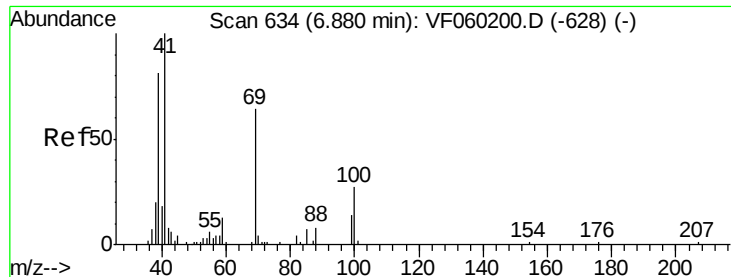
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	41	Resp:	24940
Ion Ratio	Lower	Upper	
41	100		
69	53.4	50.4	75.6
39	77.8	70.6	106.0





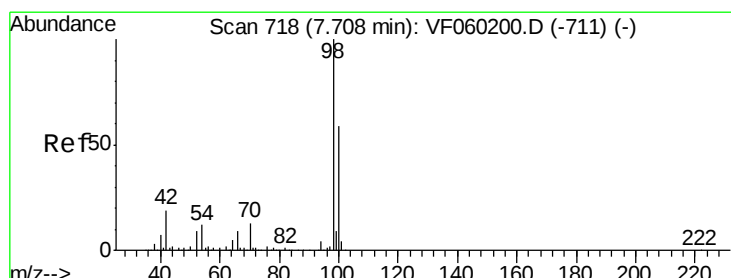
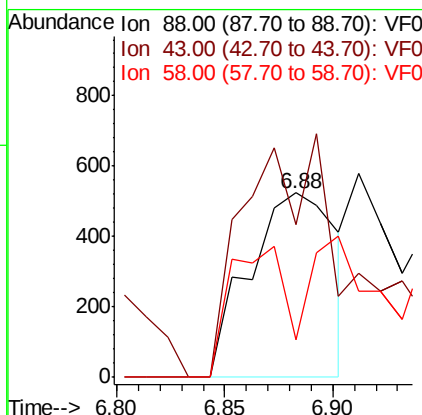
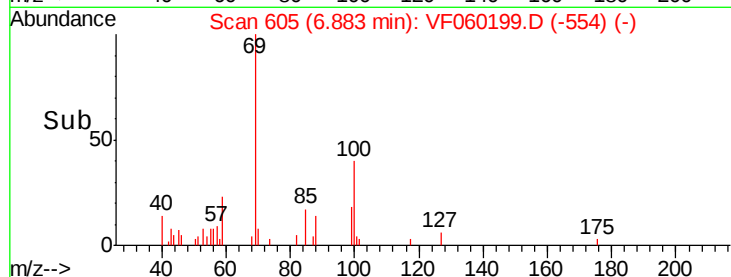
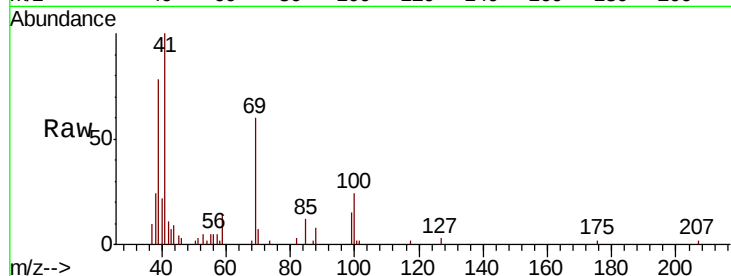
#49
1,4-Dioxane
Concen: 54.49 ug/l
RT: 6.88 min Scan# 605
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	82.6	68.1	102.1
58	20.2	38.1	57.1#

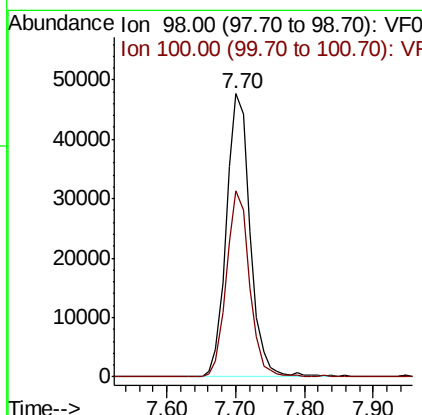
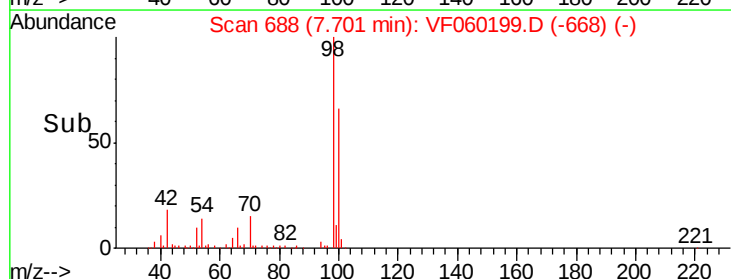
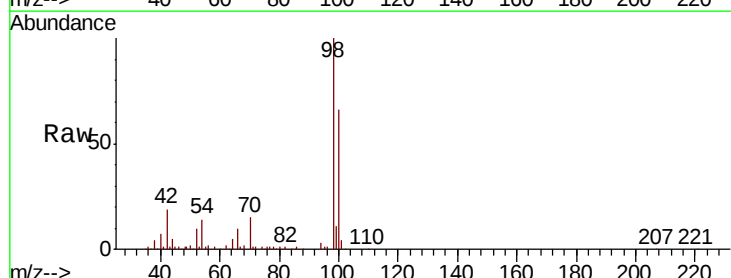
Manual Integrations
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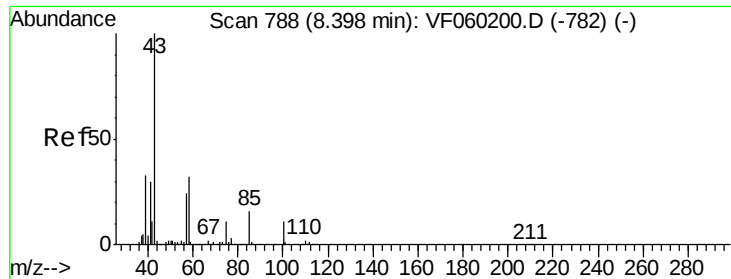
apatel
9/7/2018 10:49:57 AM



#50
Toluene-d8
Concen: 21.52 ug/l
RT: 7.70 min Scan# 688
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	47.4	71.0





#51

4-Methyl-2-Pentanone

Concen: 106.39 ug/l

RT: 8.40 min Scan# 759

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 141479

Ion Ratio Lower Upper

43 100

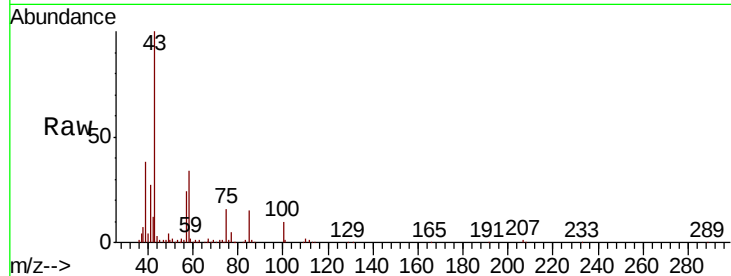
58 34.1 25.8 38.6

Manual Integrations

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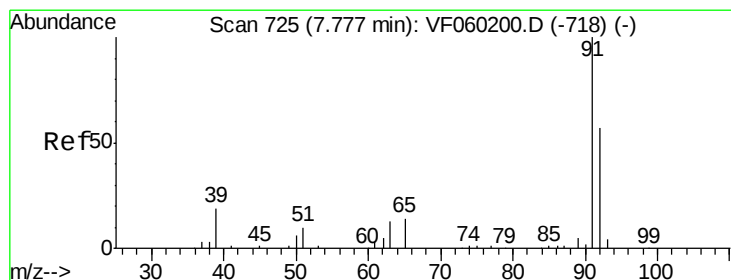
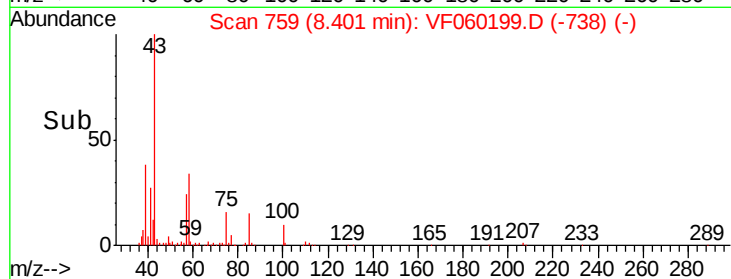
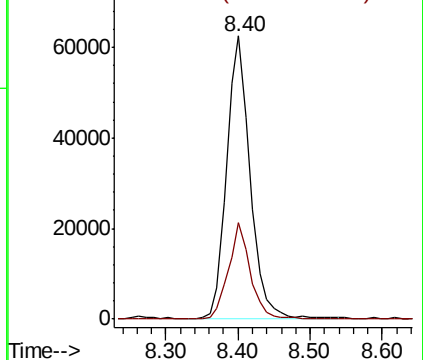
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.62 ug/l

RT: 7.77 min Scan# 695

Delta R.T. -0.01 min

Lab File: VF060199.D

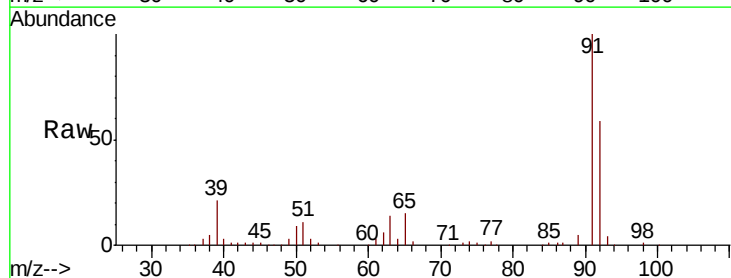
Acq: 6 Sep 2018 12:43

Tgt Ion: 92 Resp: 72193

Ion Ratio Lower Upper

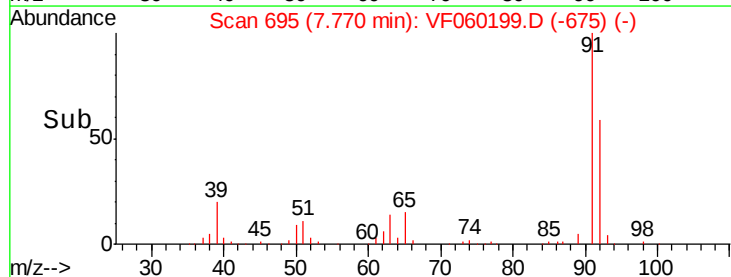
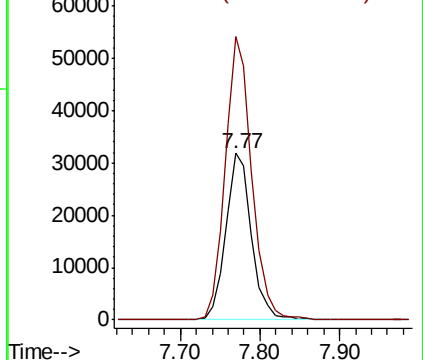
92 100

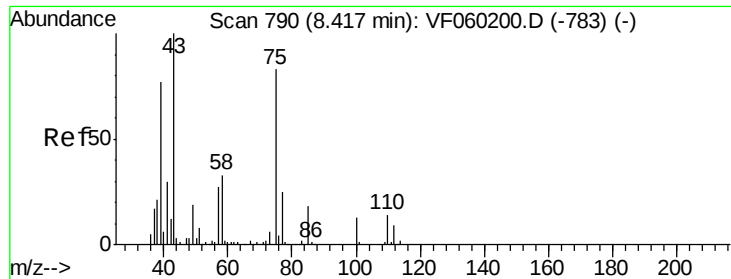
91 170.0 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





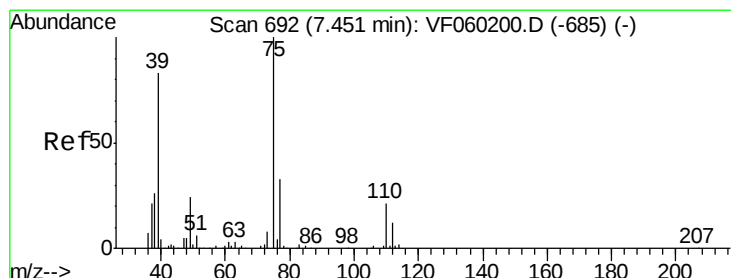
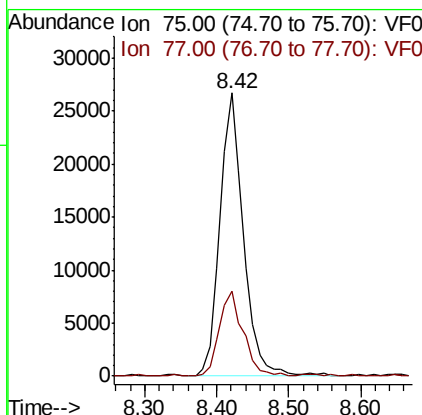
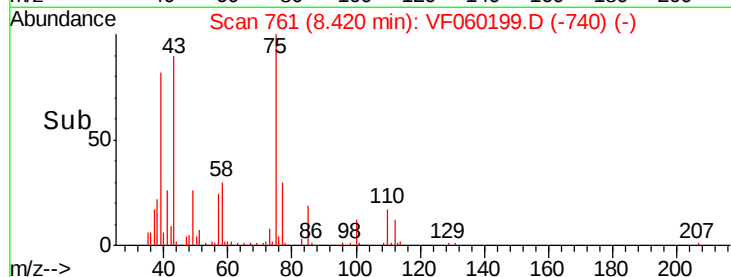
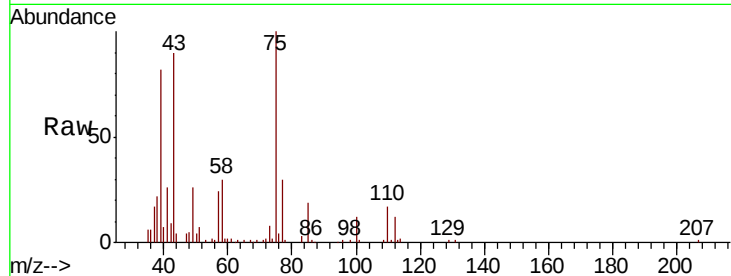
#53
t-1,3-Dichloropropene
Concen: 23.12 ug/l
RT: 8.42 min Scan# 761
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.3	36.5

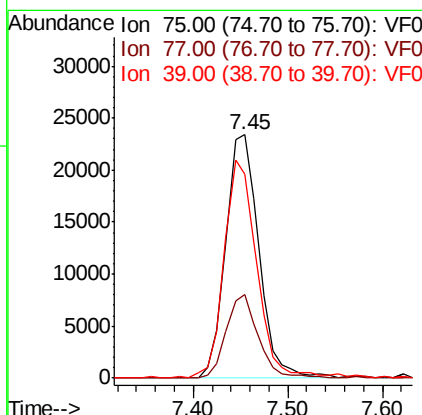
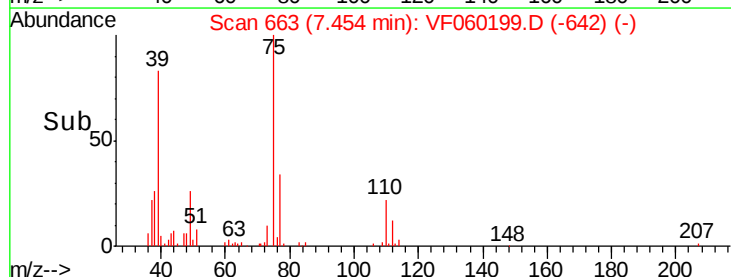
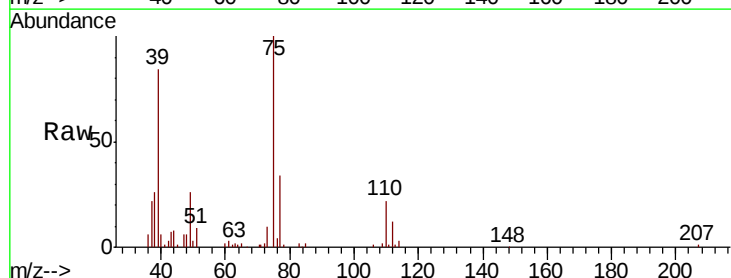
Manual Integrations
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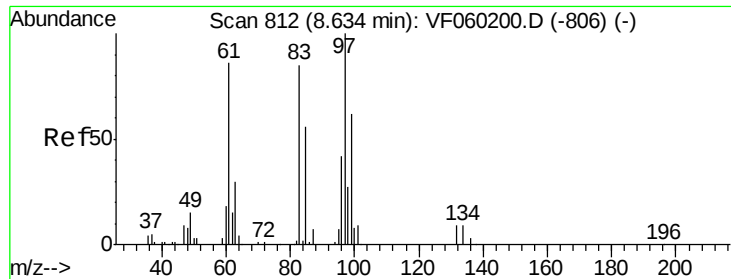
apatel
9/7/2018 10:49:57 AM



#54
cis-1,3-Dichloropropene
Concen: 21.26 ug/l
RT: 7.45 min Scan# 663
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.6	39.8
39	83.8	66.6	100.0





#55

1,1,2-Trichloroethane

Concen: 20.34 ug/l

RT: 8.63 min Scan# 782

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

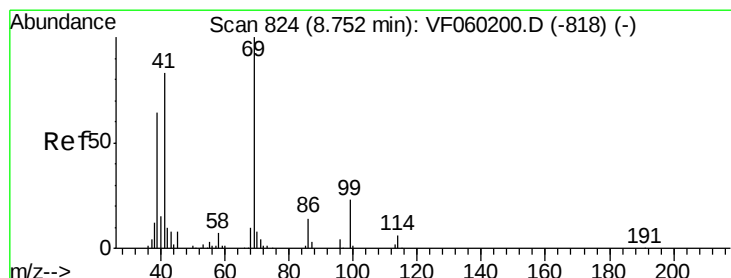
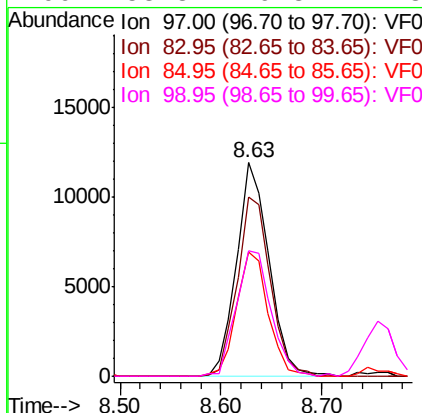
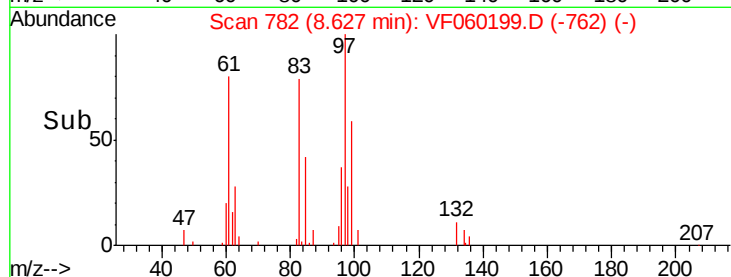
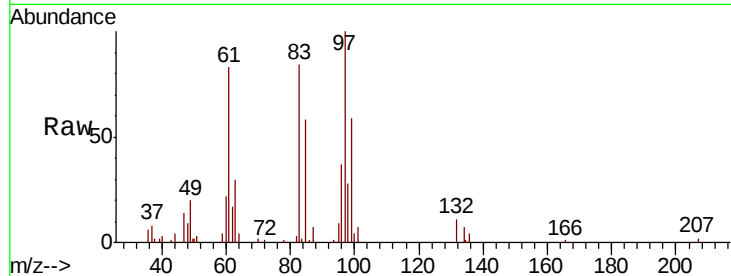
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	26768
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.1	102.1
85	58.2	44.6	66.8
99	58.8	49.8	74.8

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#56

Ethyl methacrylate

Concen: 20.99 ug/l

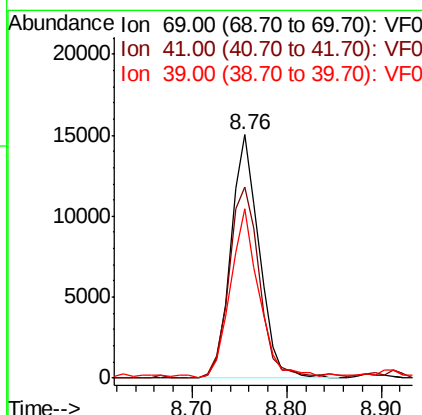
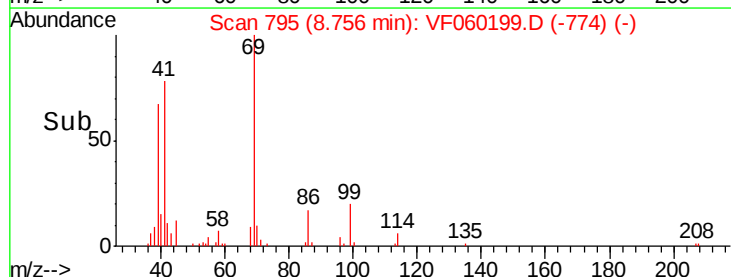
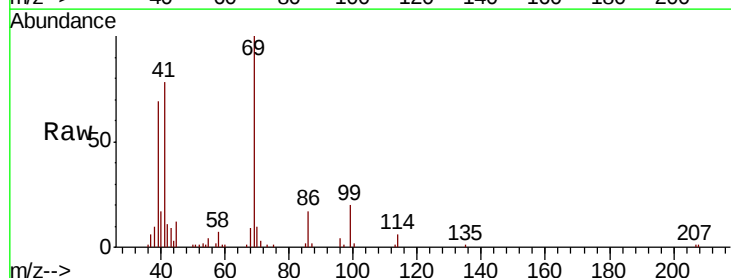
RT: 8.76 min Scan# 795

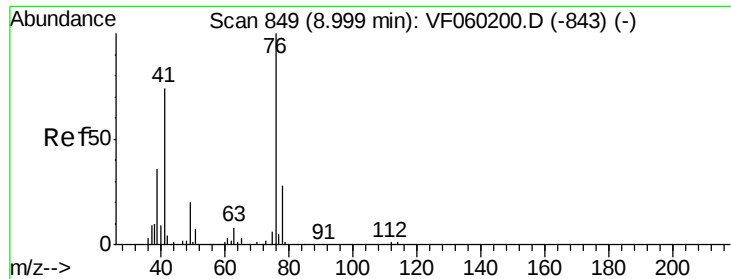
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	69	Resp:	31107
Ion	Ratio	Lower	Upper
69	100		
41	78.4	66.6	100.0
39	69.4	51.5	77.3





#57

1,3-Dichloropropane

Concen: 21.37 ug/l

RT: 8.99 min Scan# 819

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 49529

Ion Ratio Lower Upper

76 100

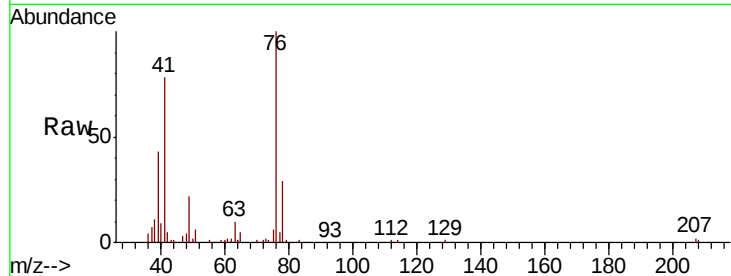
78 29.1 22.8 34.2

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

25000

20000

15000

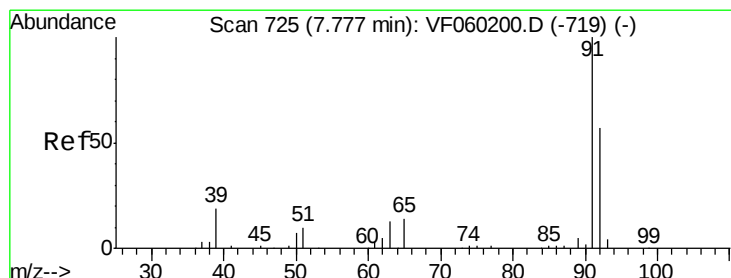
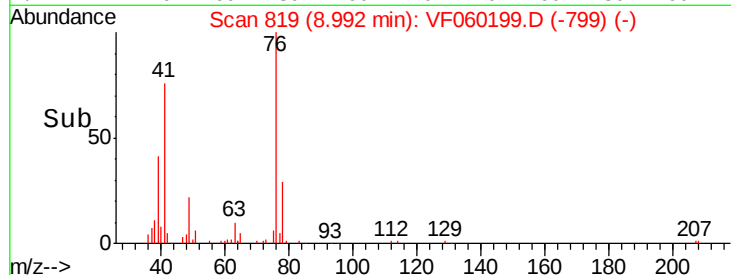
10000

5000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.91 ug/l

RT: 7.77 min Scan# 695

Delta R.T. -0.01 min

Lab File: VF060199.D

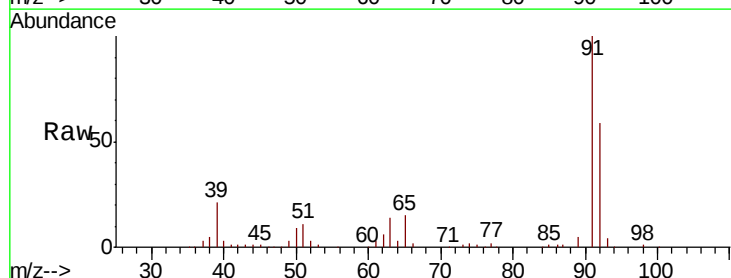
Acq: 6 Sep 2018 12:43

Tgt Ion: 63 Resp: 17207

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

8000

6000

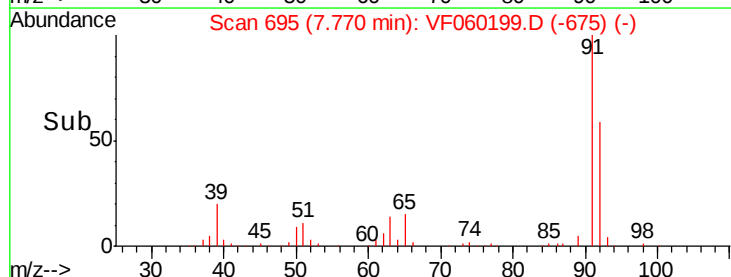
4000

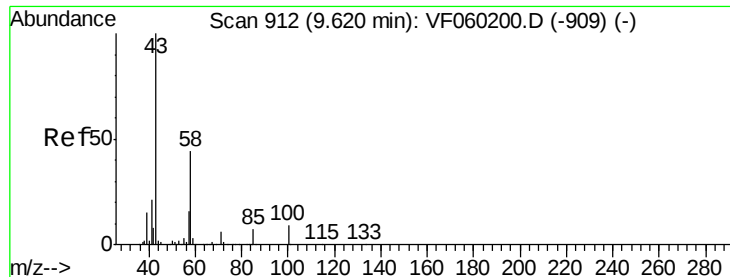
2000

0

7.60 7.70 7.80 7.90

Time-->





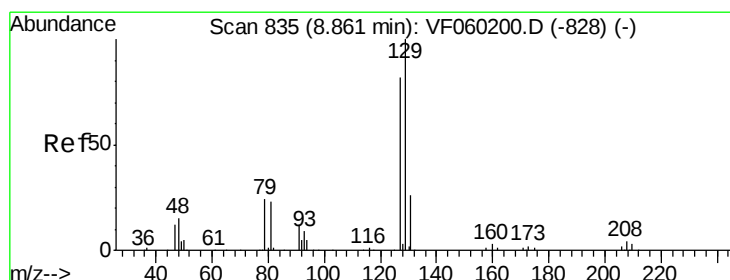
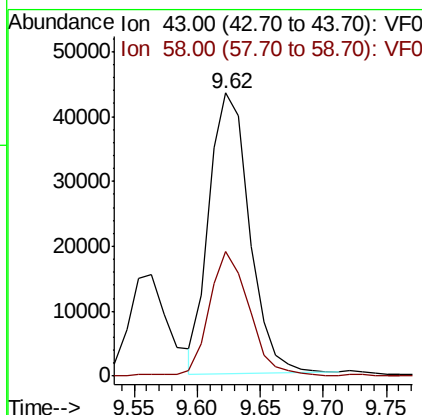
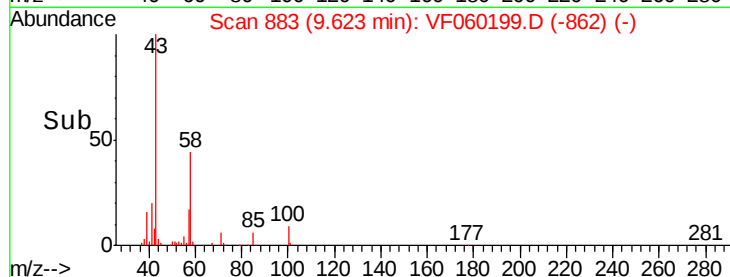
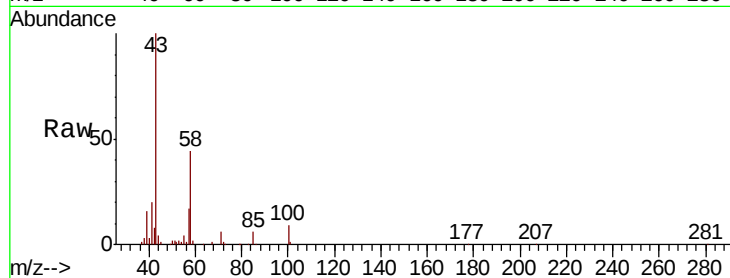
#59
2-Hexanone
Concen: 96.44 ug/l
RT: 9.62 min Scan# 883
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 96588
Ion Ratio Lower Upper
43 100
58 44.2 20.8 62.5

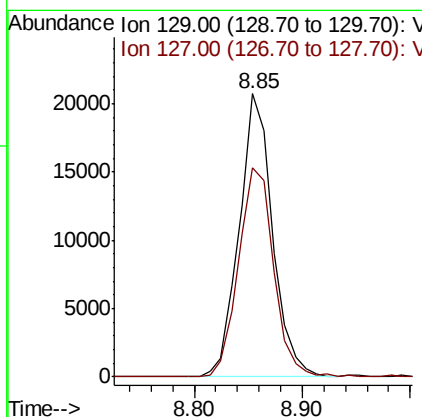
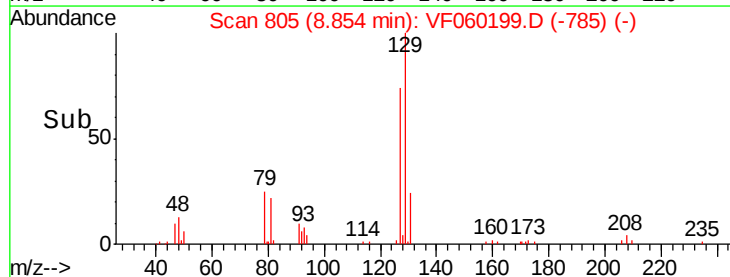
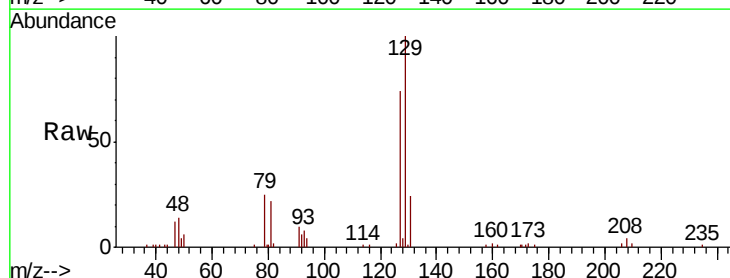
Manual Integrations
APPROVED

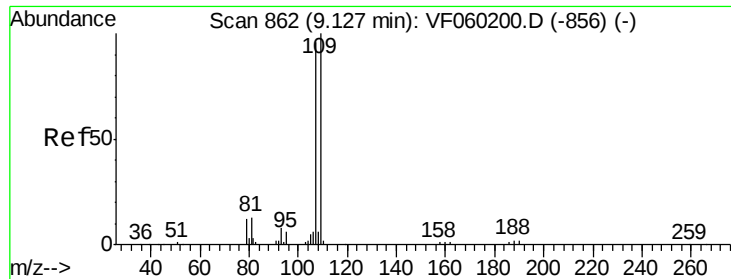
apatel
9/7/2018 10:49:57 AM



#60
Dibromochloromethane
Concen: 20.40 ug/l
RT: 8.85 min Scan# 805
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion: 129 Resp: 44265
Ion Ratio Lower Upper
129 100
127 73.7 40.9 122.8





#61

1,2-Dibromoethane

Concen: 21.30 ug/l

RT: 9.13 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 33453

Ion Ratio Lower Upper

107 100

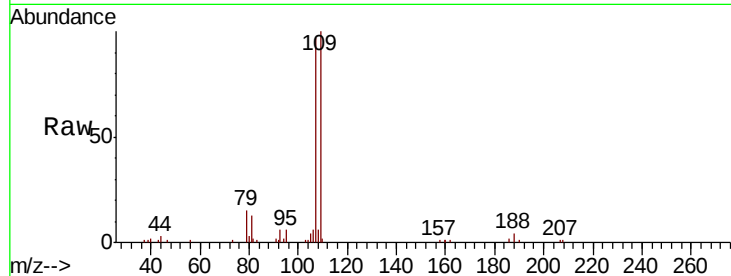
109 102.7 83.0 124.4

Manual Integrations

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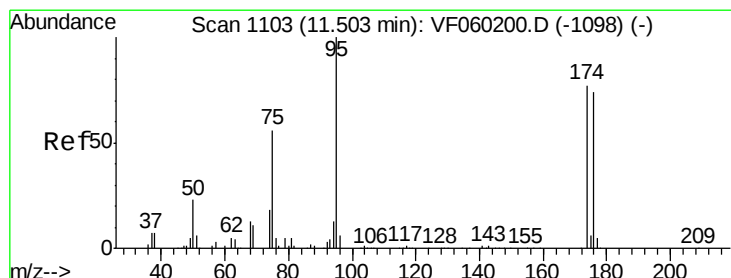
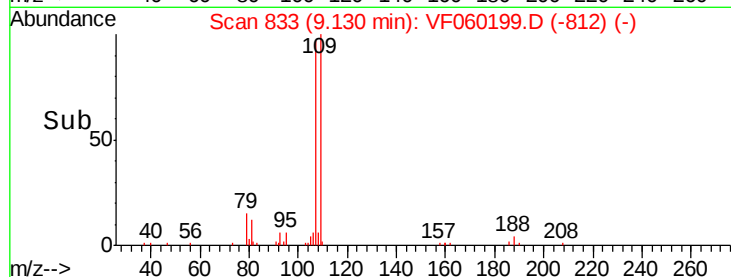
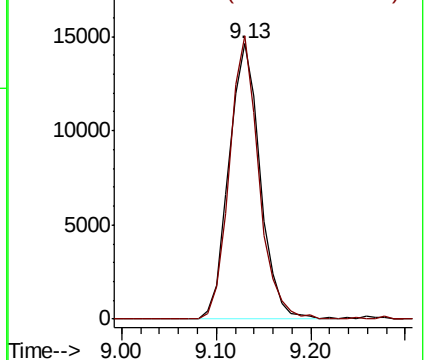
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 21.46 ug/l

RT: 11.51 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

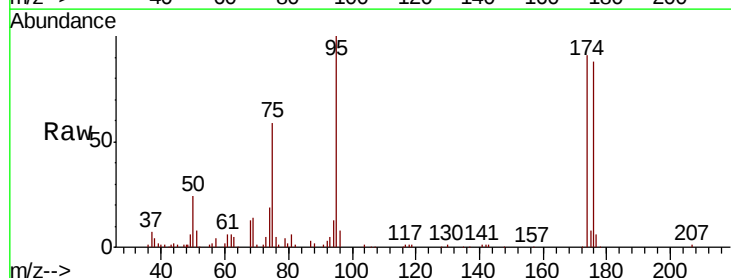
Tgt Ion: 95 Resp: 64548

Ion Ratio Lower Upper

95 100

174 90.9 0.0 153.2

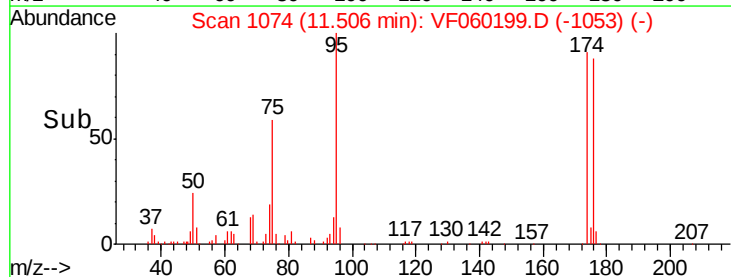
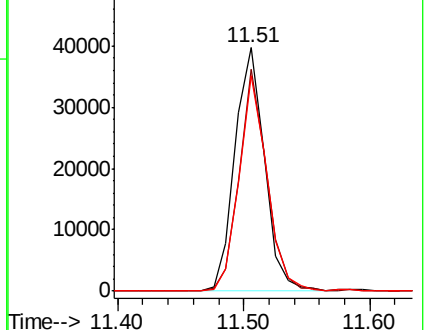
176 88.4 0.0 147.2

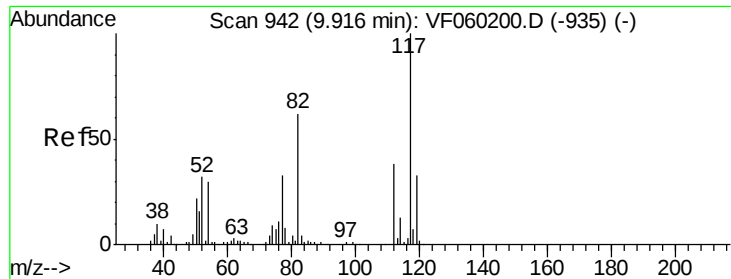


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





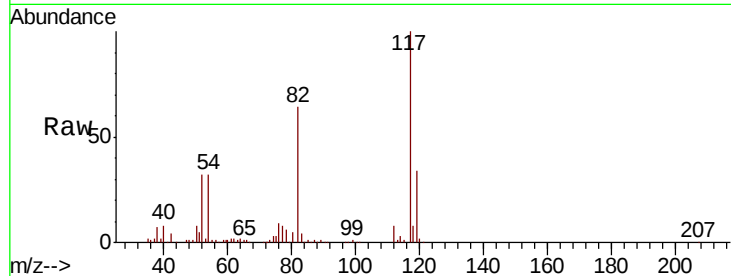
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	226065		
82	63.9		49.3	73.9
119	33.9		26.5	39.7

Manual Integrations
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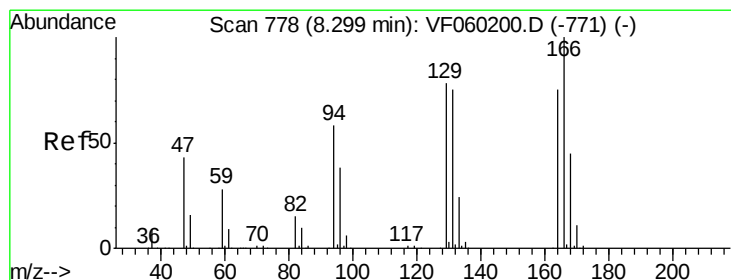
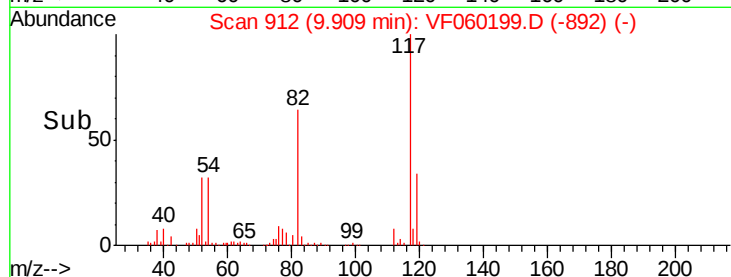
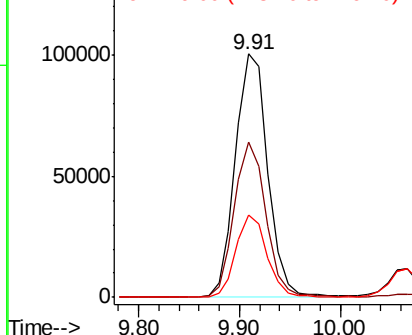


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.66 ug/l
RT: 8.30 min Scan# 749
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56947		
166	128.8		107.0	160.4
129	98.9		83.0	124.6
131	98.5		79.8	119.8

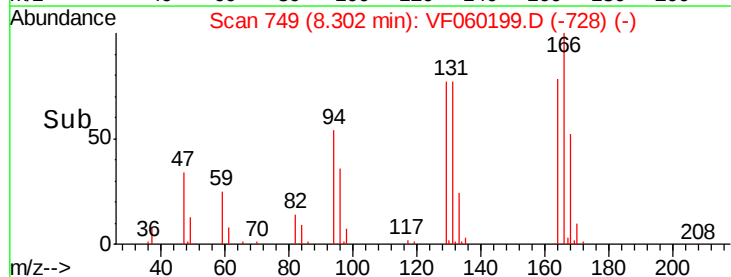
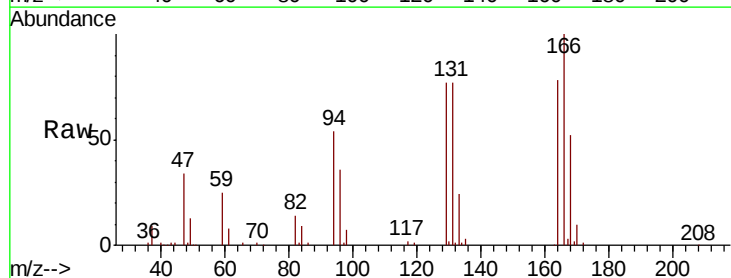
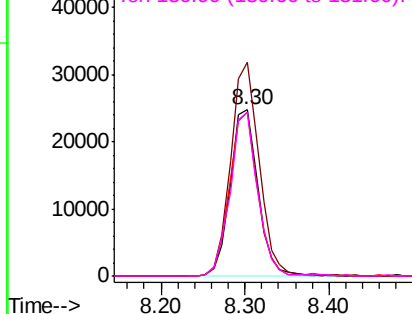
Abundance

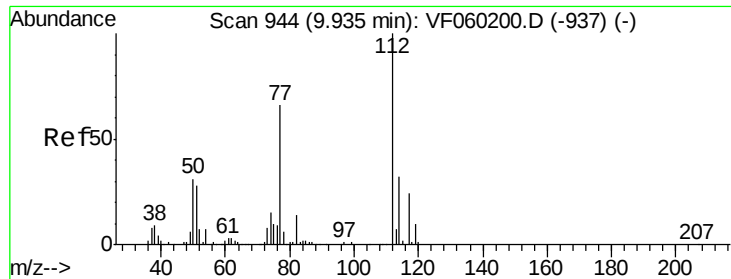
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





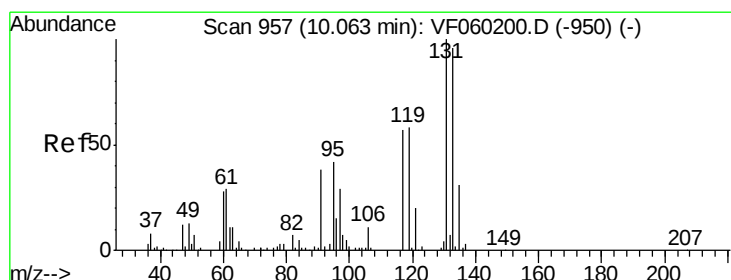
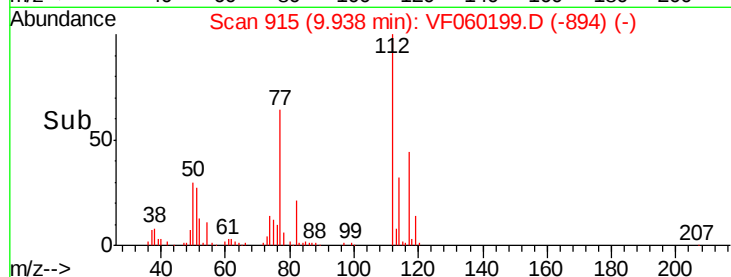
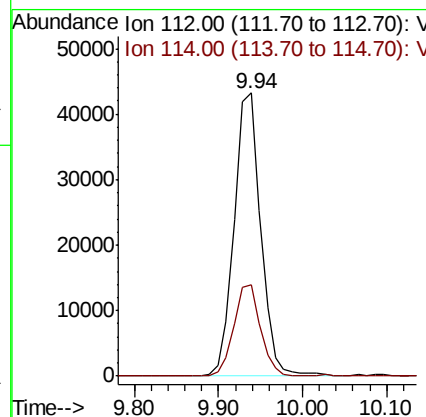
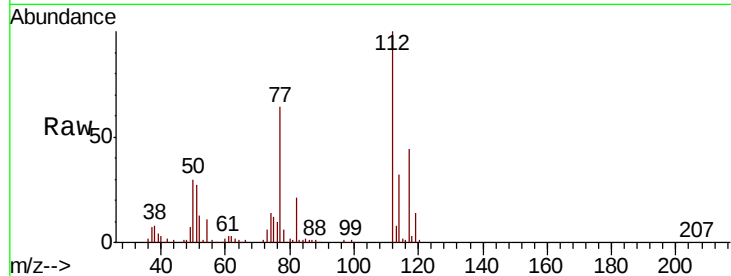
#65
Chlorobenzene
Concen: 20.51 ug/l
RT: 9.94 min Scan# 915
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

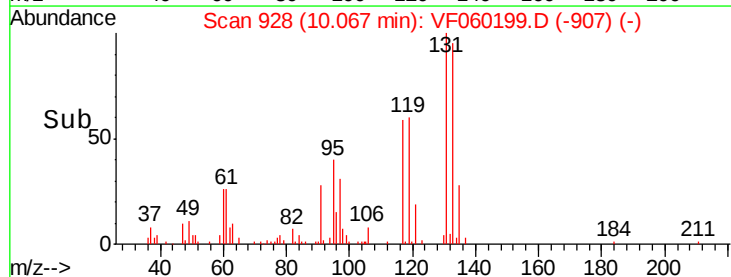
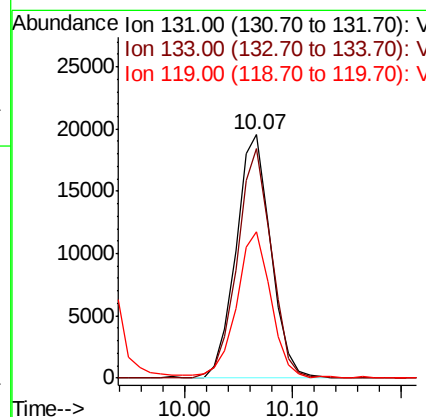
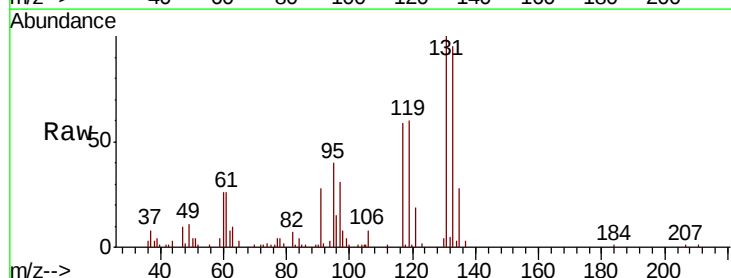
Manual Integrations
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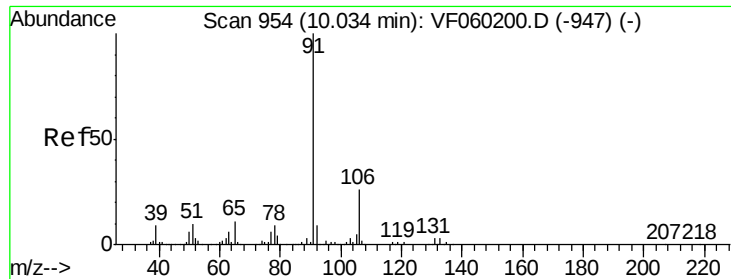
apatel
9/7/2018 10:49:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.23 ug/l
RT: 10.07 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.8
119	60.4	29.0	87.0





#67

Ethyl Benzene

Concen: 21.30 ug/l

RT: 10.04 min Scan# 925

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 184065

Ion Ratio Lower Upper

91 100

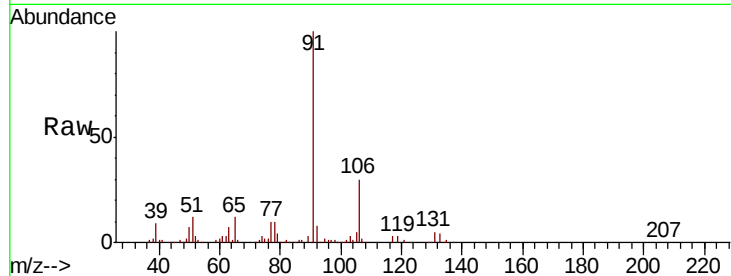
106 30.0 21.1 31.7

Manual Integrations

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apatel

9/7/2018 10:49:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

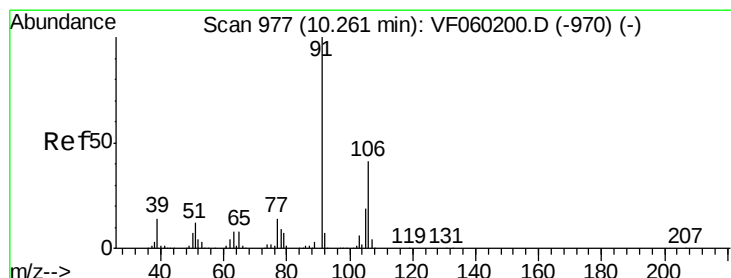
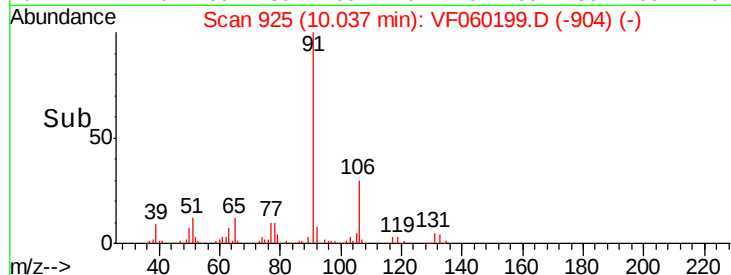
100000

50000

0

10.04

Time-->



#68

m/p-Xylenes

Concen: 42.83 ug/l

RT: 10.26 min Scan# 948

Delta R.T. 0.00 min

Lab File: VF060199.D

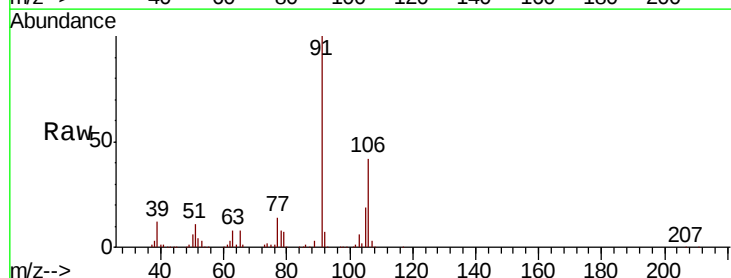
Acq: 6 Sep 2018 12:43

Tgt Ion: 106 Resp: 124016

Ion Ratio Lower Upper

106 100

91 237.7 194.6 291.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

150000

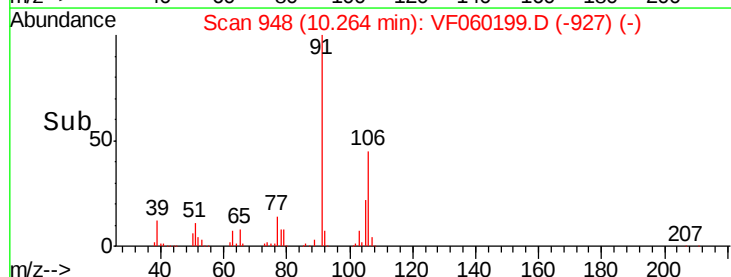
100000

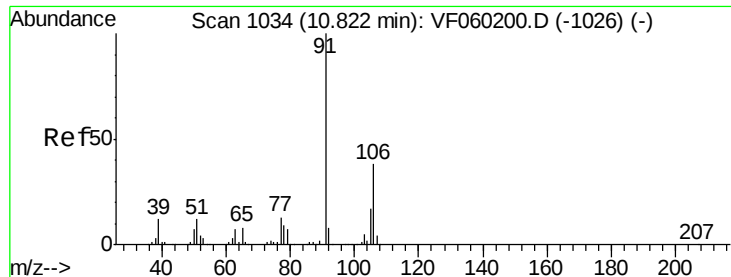
50000

0

10.26

Time-->





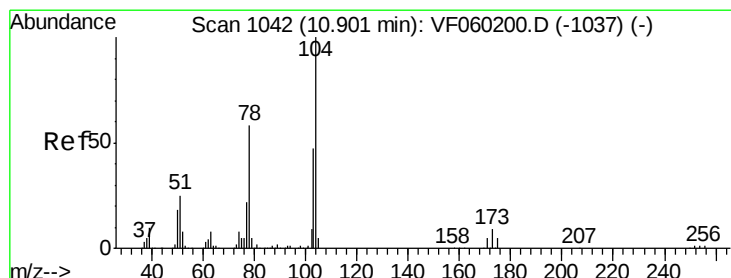
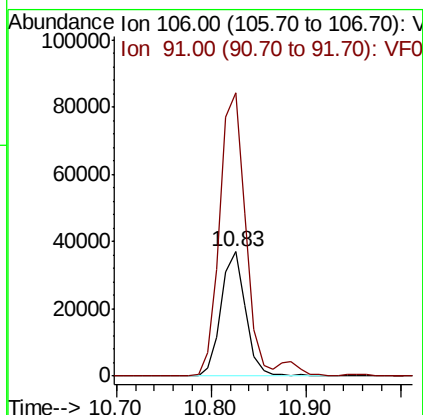
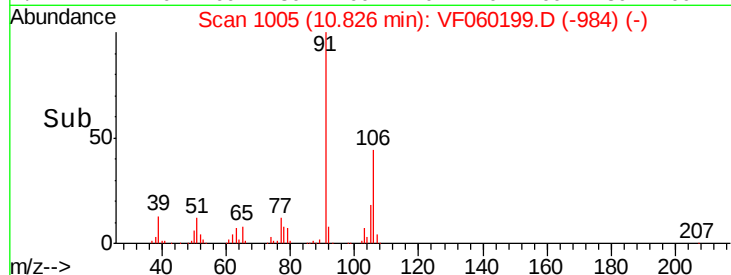
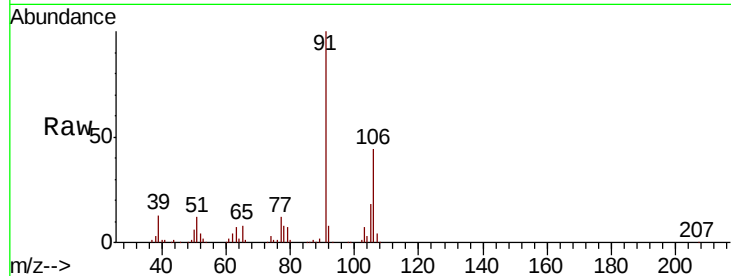
#69
o-Xylene
Concen: 21.61 ug/l
RT: 10.83 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 67134
Ion Ratio Lower Upper
106 100
91 227.2 130.5 391.5

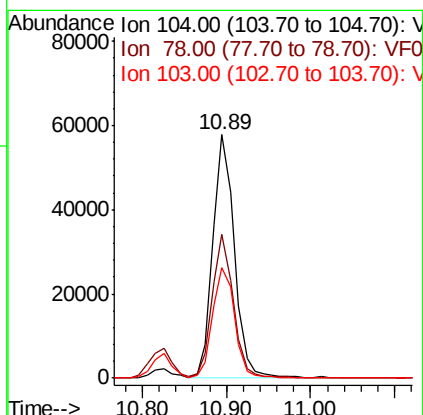
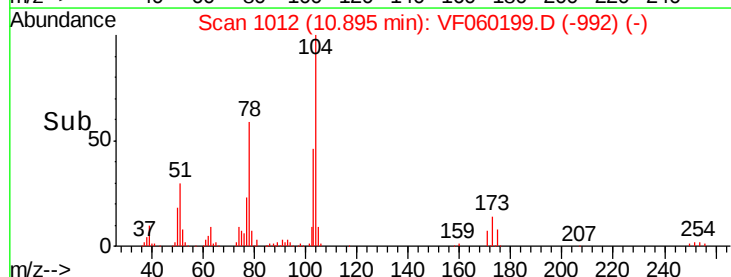
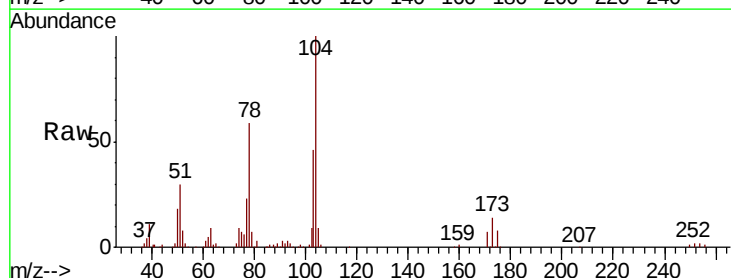
Manual Integrations
APPROVED

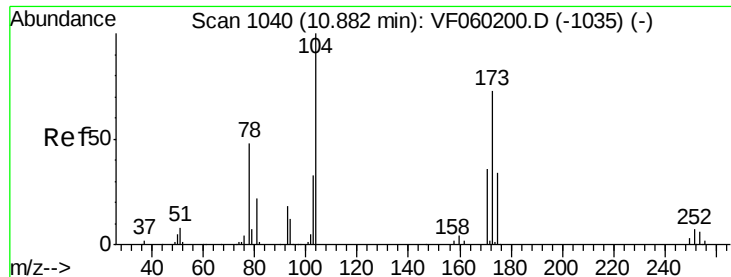
apatel
9/7/2018 10:49:57 AM



#70
Styrene
Concen: 21.73 ug/l
RT: 10.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion:104 Resp: 102148
Ion Ratio Lower Upper
104 100
78 59.0 47.1 70.7
103 45.6 38.6 57.8





#71

Bromoform

Concen: 21.28 ug/l

RT: 10.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 25546

Ion Ratio Lower Upper

173 100

175 42.2 23.1 69.3

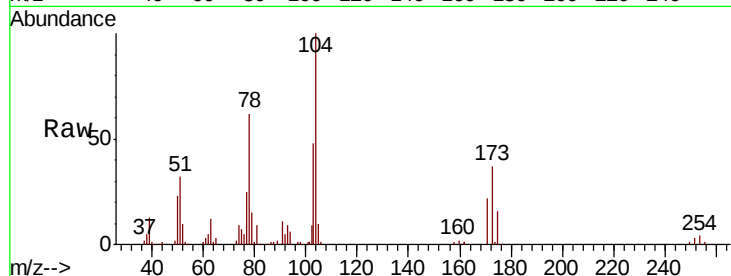
254 0.0 0.2 0.4#

Manual Integrations

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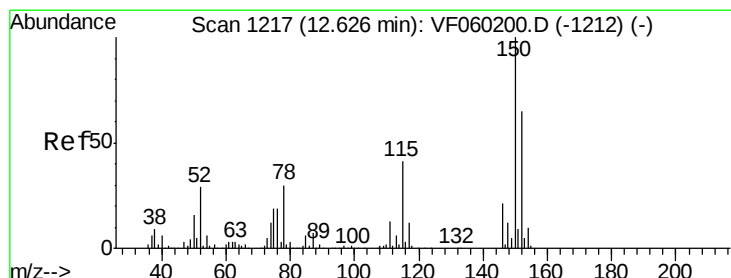
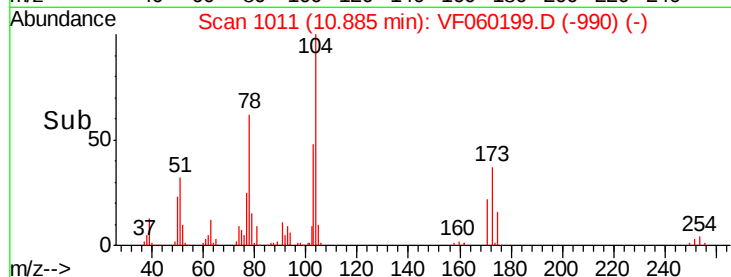
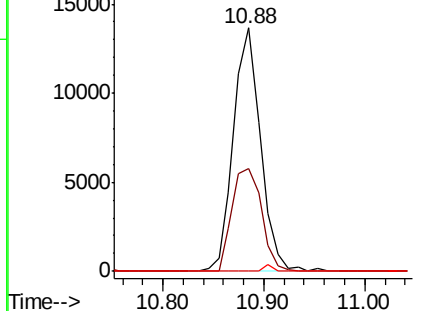
9/7/2018 10:49:57 AM



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# 1188

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

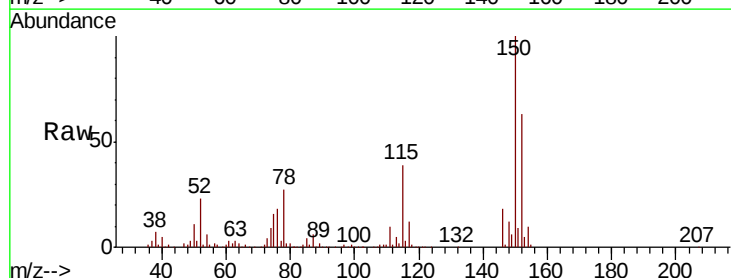
Tgt Ion:152 Resp: 145698

Ion Ratio Lower Upper

152 100

115 61.2 31.5 94.5

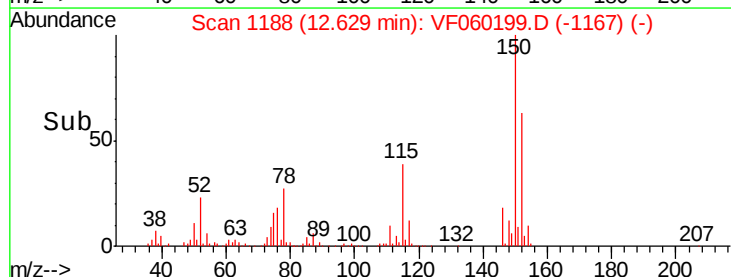
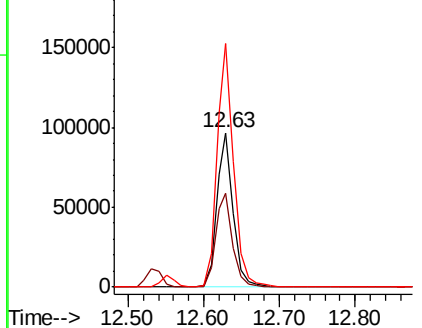
150 157.9 0.0 310.4

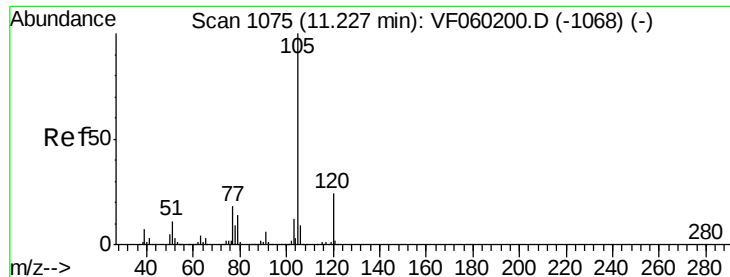


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.25 ug/l

RT: 11.22 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 213513

Ion Ratio Lower Upper

105 100

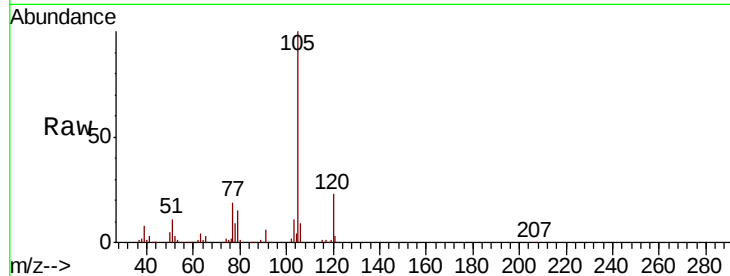
120 22.7 11.8 35.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

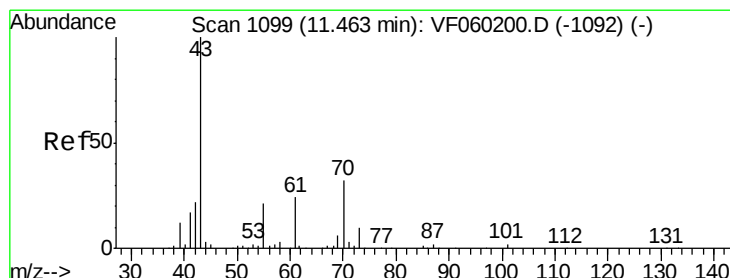
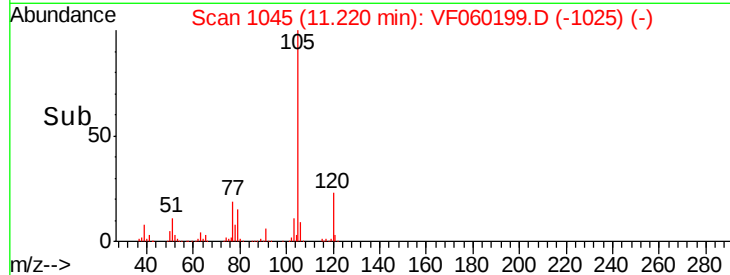
11.22

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.38 ug/l

RT: 11.46 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion: 43 Resp: 29059

Ion Ratio Lower Upper

43 100

70 36.7 25.8 38.6

55 23.7 16.8 25.2

61 25.2 18.9 28.3

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

25000

11.46

20000

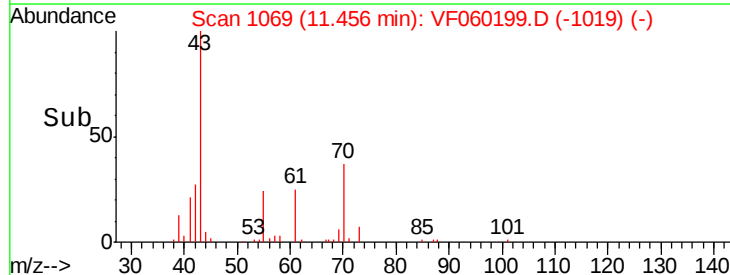
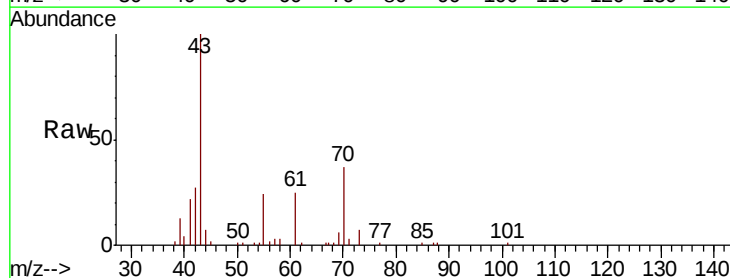
15000

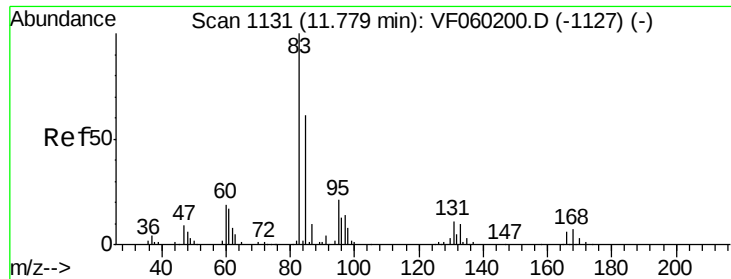
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.69 ug/l

RT: 11.78 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

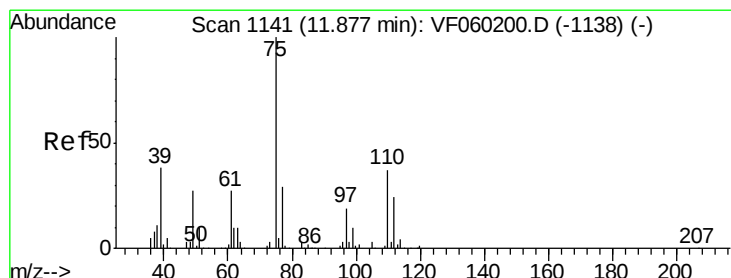
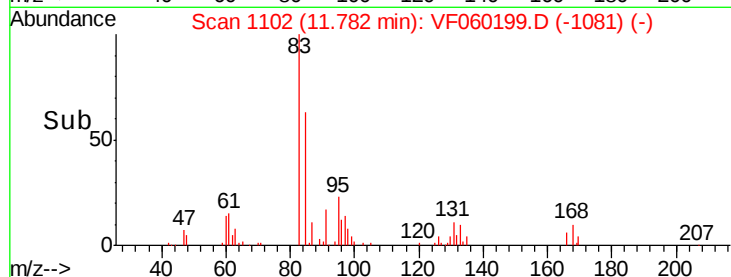
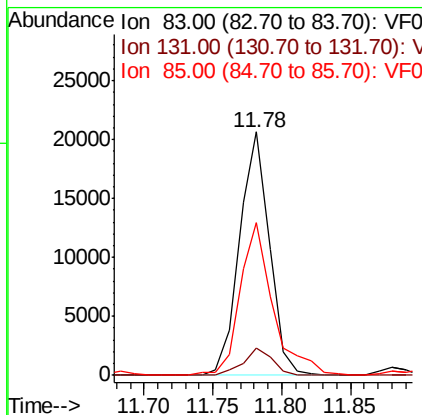
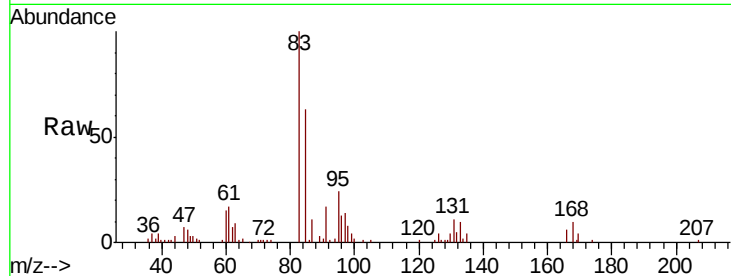
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	31216
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	62.6	31.1	93.5

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#76

1,2,3-Trichloropropane

Concen: 20.86 ug/l

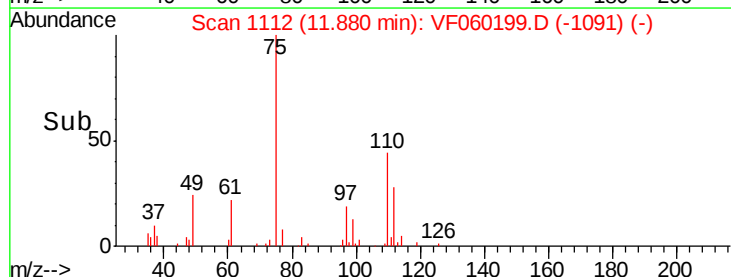
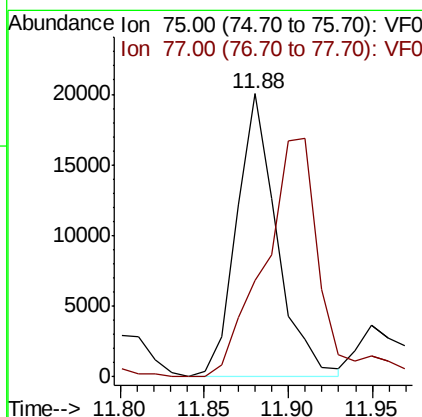
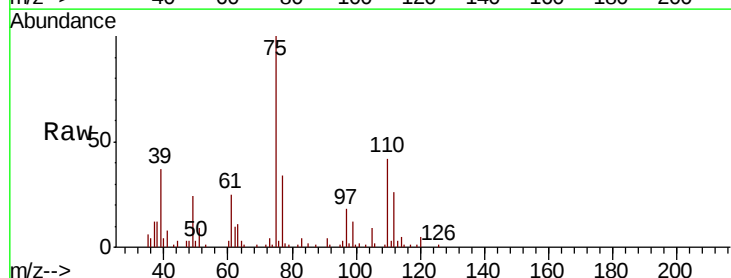
RT: 11.88 min Scan# 1112

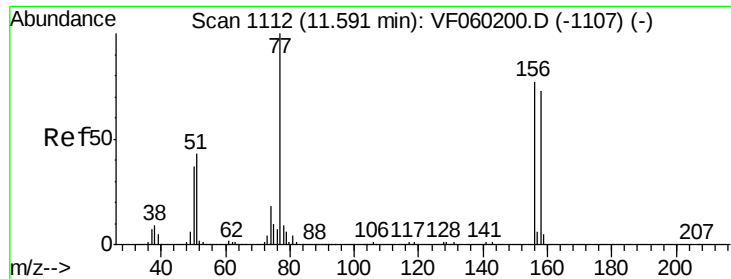
Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	75	Resp:	33288
Ion Ratio	Lower	Upper	
75	100		
77	34.2	14.6	43.8





#77

Bromobenzene

Concen: 20.83 ug/l

RT: 11.59 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 54594

Ion Ratio Lower Upper

156 100

77 127.6 64.8 194.3

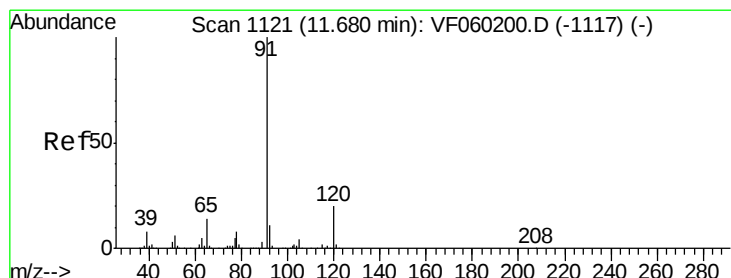
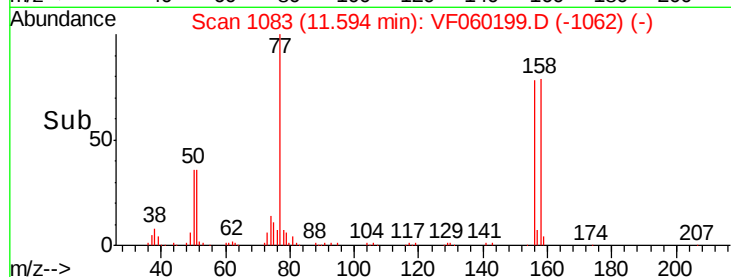
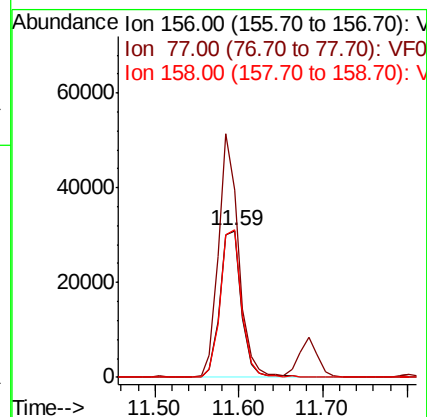
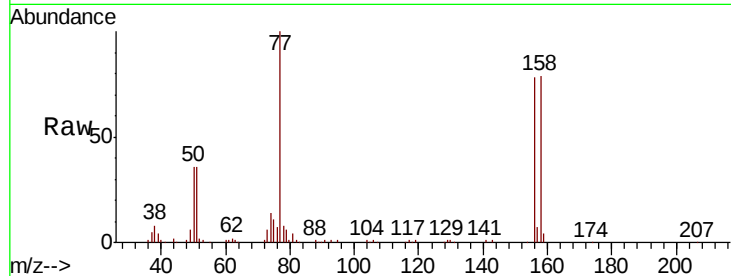
158 100.5 47.3 141.8

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#78

n-propylbenzene

Concen: 21.29 ug/l

RT: 11.68 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF060199.D

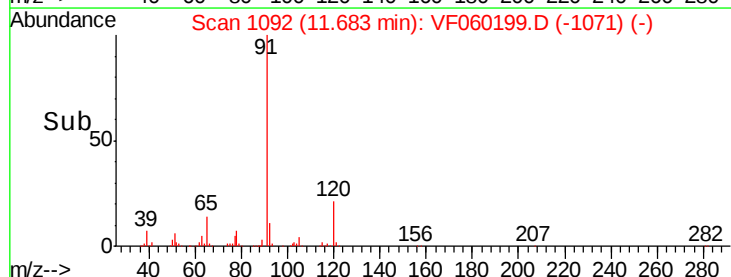
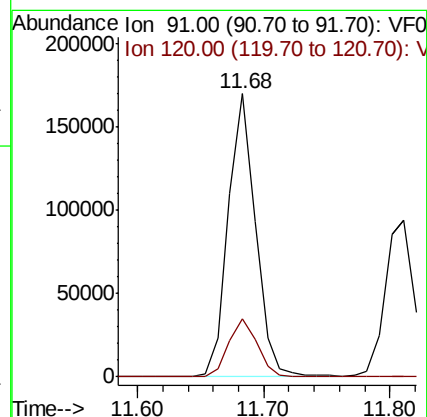
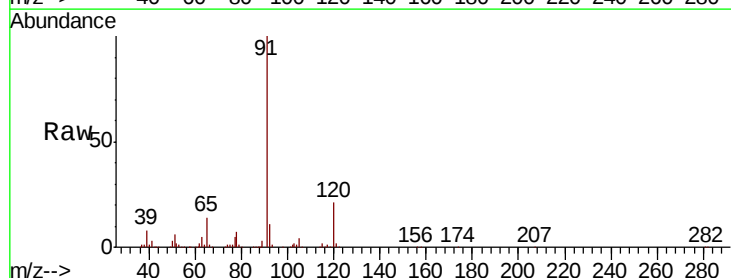
Acq: 6 Sep 2018 12:43

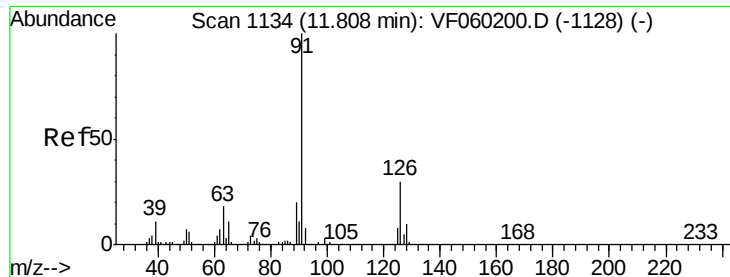
Tgt Ion: 91 Resp: 255263

Ion Ratio Lower Upper

91 100

120 20.7 9.8 29.4





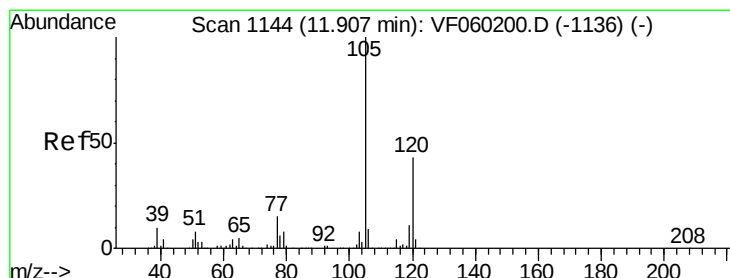
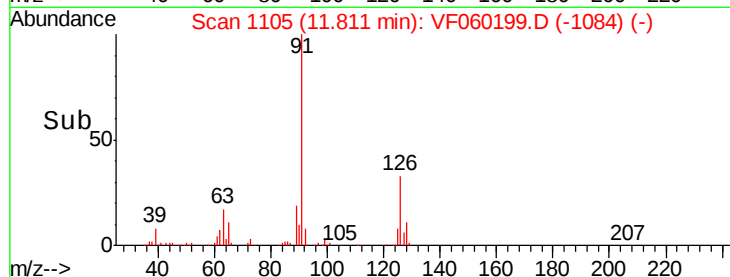
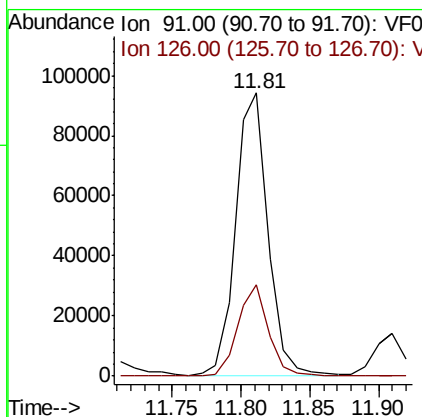
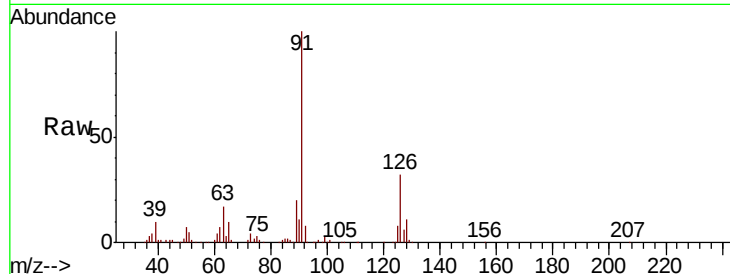
#79
 2-Chlorotoluene
 Concen: 21.04 ug/l
 RT: 11.81 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 152626
 Ion Ratio Lower Upper
 91 100
 126 32.4 15.2 45.5

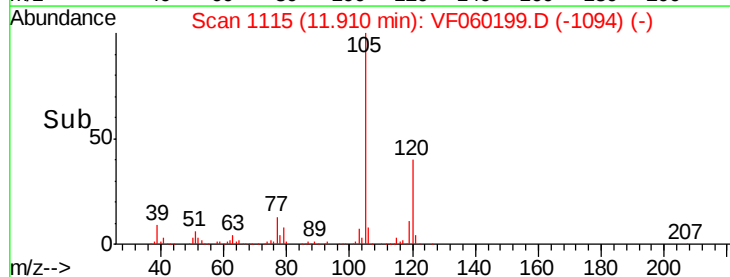
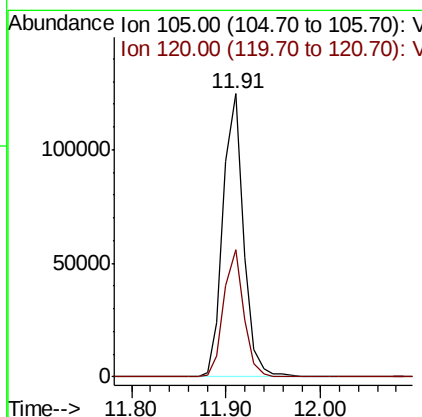
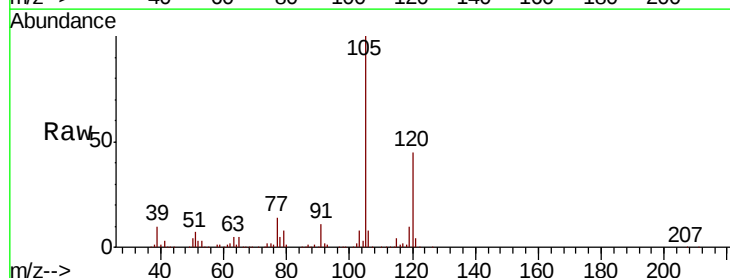
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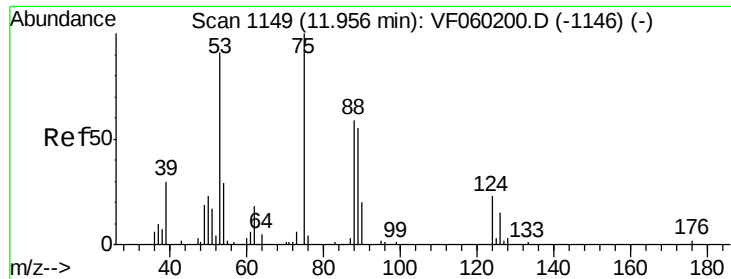
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.26 ug/l
 RT: 11.91 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion: 105 Resp: 188134
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.6 64.8





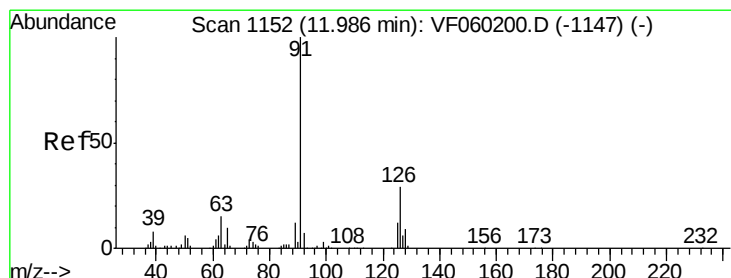
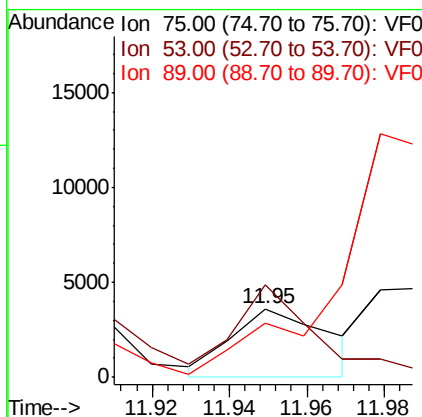
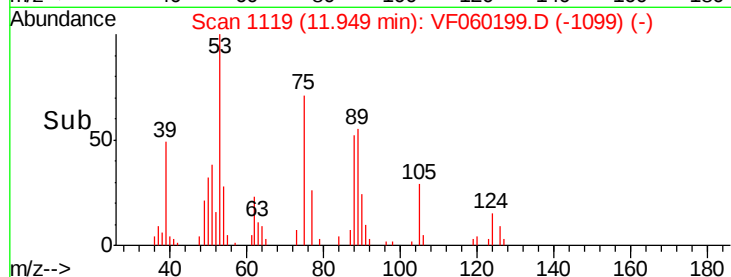
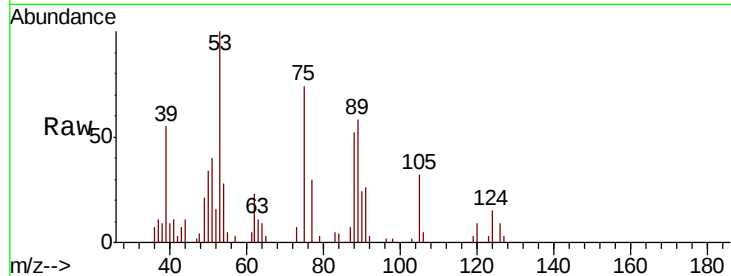
#81
trans-1,4-Dichloro-2-butene
Concen: 12.03 ug/l m
RT: 11.95 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 6194
Ion Ratio Lower Upper
75 100
53 135.5 76.5 114.7#
89 78.7 46.5 69.7#

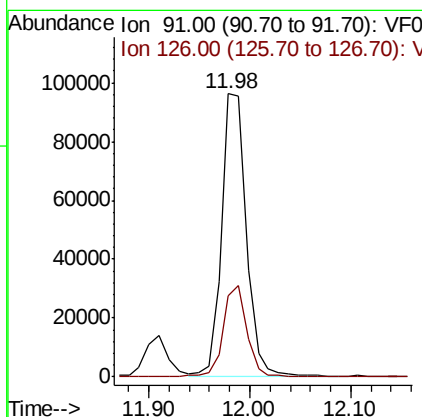
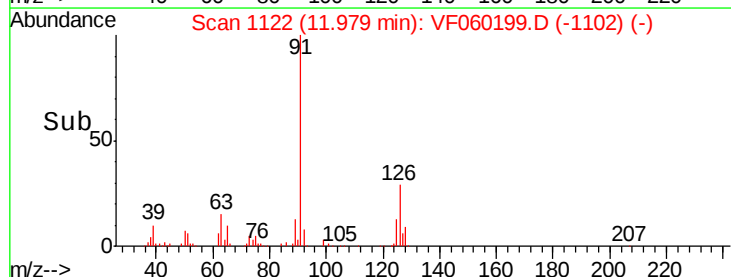
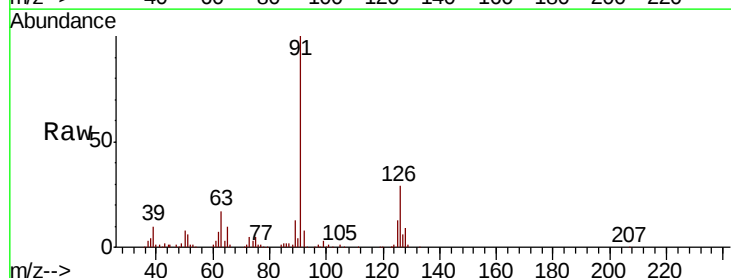
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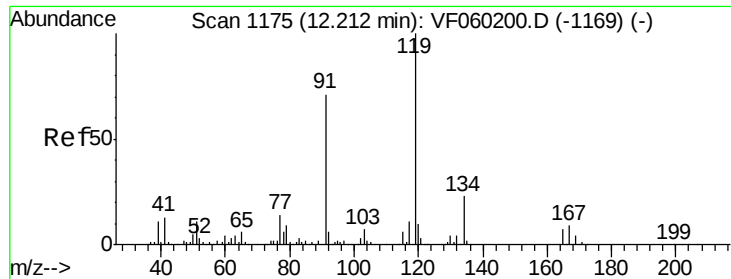
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#82
4-Chlorotoluene
Concen: 20.37 ug/l
RT: 11.98 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion: 91 Resp: 163843
Ion Ratio Lower Upper
91 100
126 28.7 14.4 43.4





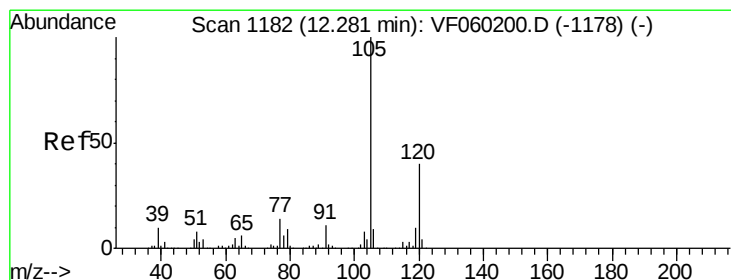
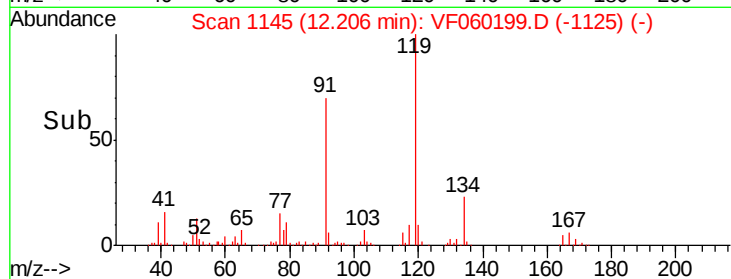
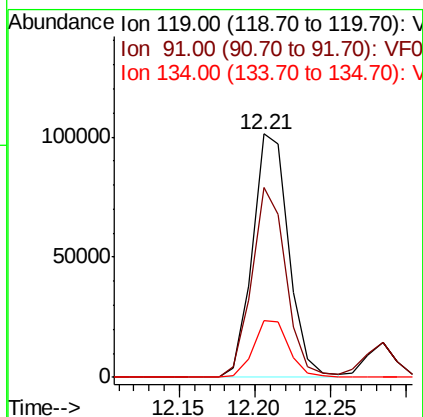
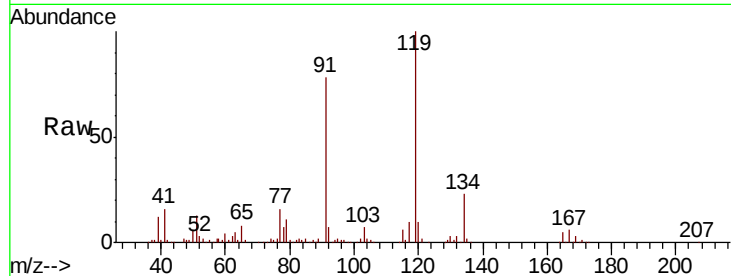
#83
 tert-Butylbenzene
 Concen: 21.15 ug/l
 RT: 12.21 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	169561		
91	78.1	35.8	107.4	
134	23.1	11.6	34.7	

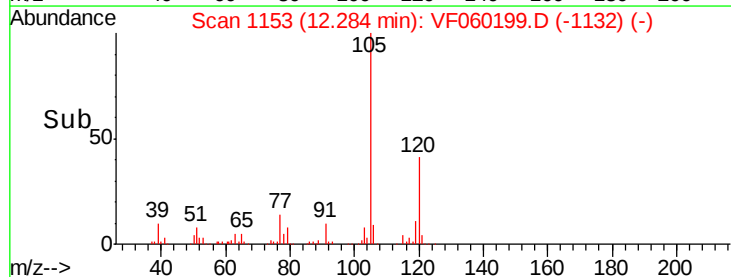
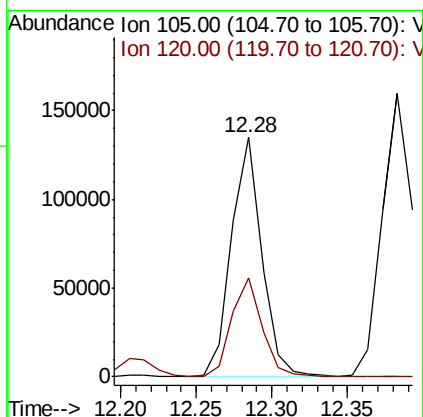
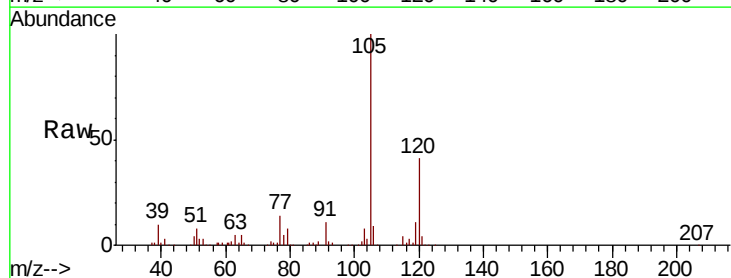
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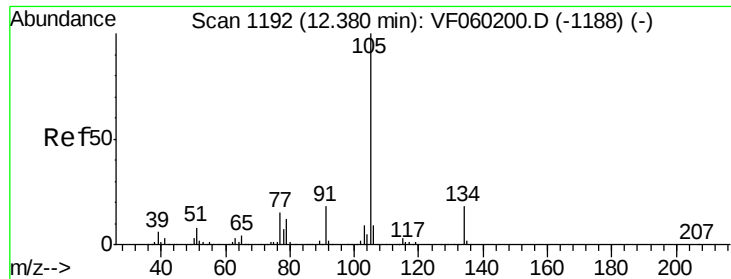
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.03 ug/l
 RT: 12.28 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189646		
120	41.3	20.2	60.5	





#85

sec-Butylbenzene

Concen: 21.21 ug/l

RT: 12.38 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 233429

Ion Ratio Lower Upper

105 100

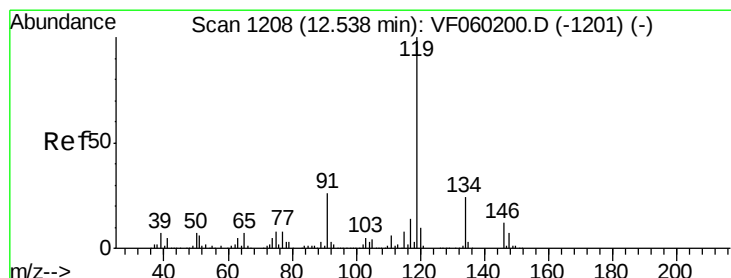
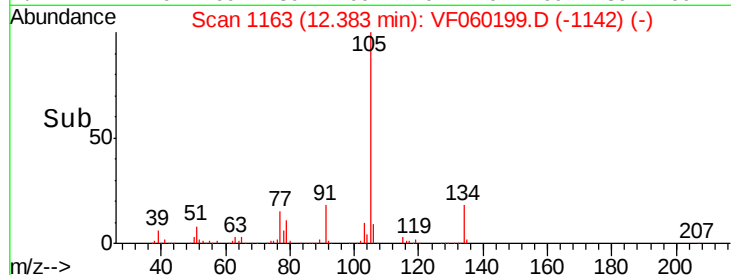
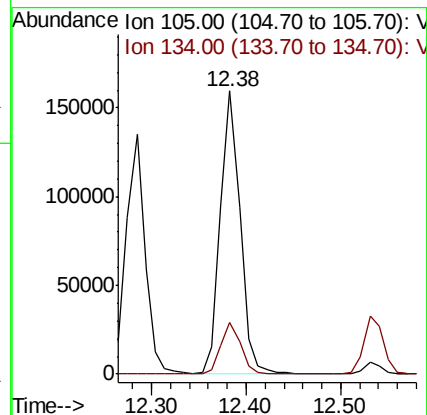
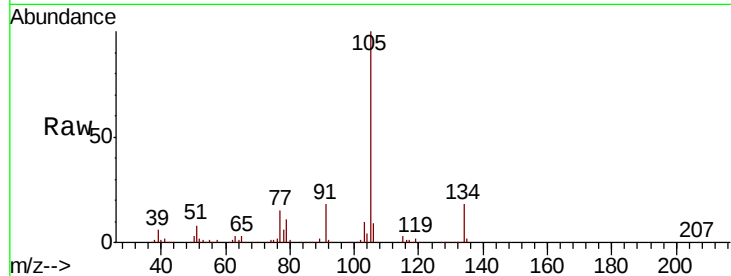
134 18.2 8.8 26.5

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#86

p-Isopropyltoluene

Concen: 21.15 ug/l

RT: 12.53 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

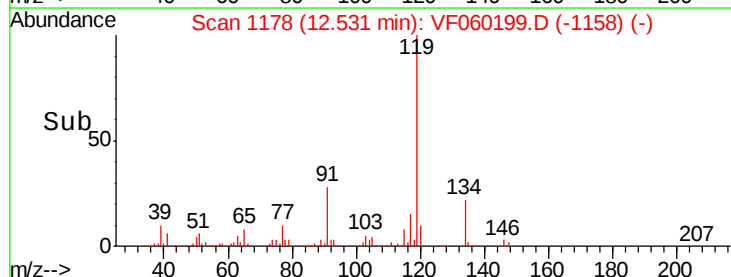
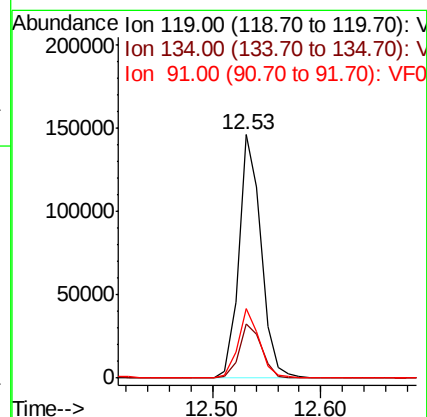
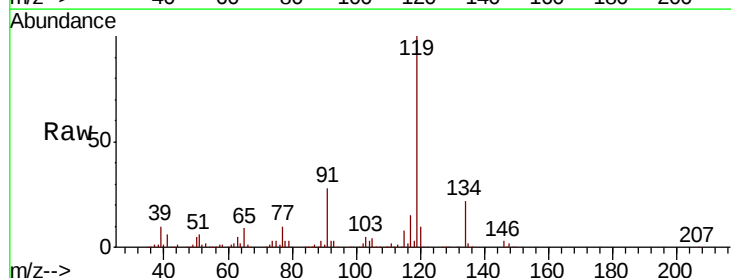
Tgt Ion:119 Resp: 208324

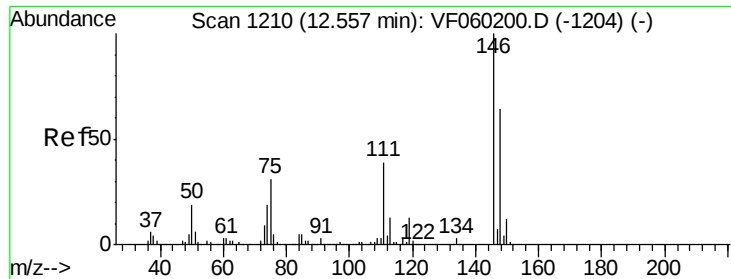
Ion Ratio Lower Upper

119 100

134 22.3 12.0 36.0

91 28.5 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 21.56 ug/l

RT: 12.55 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Instrument :

MSVOA_F

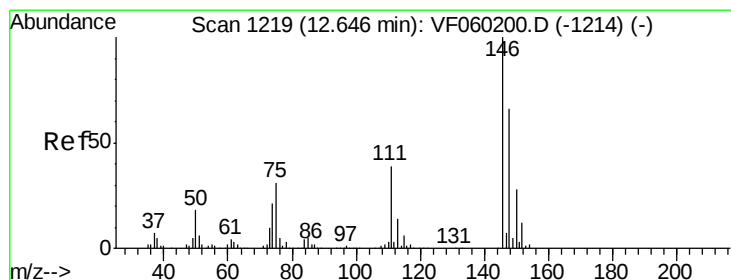
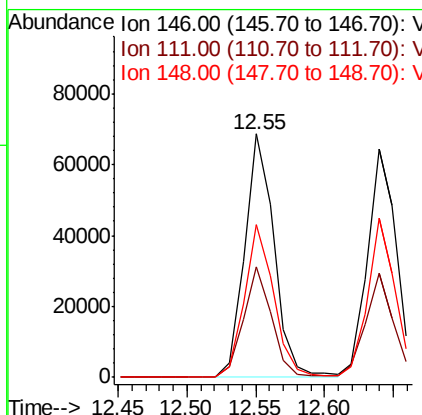
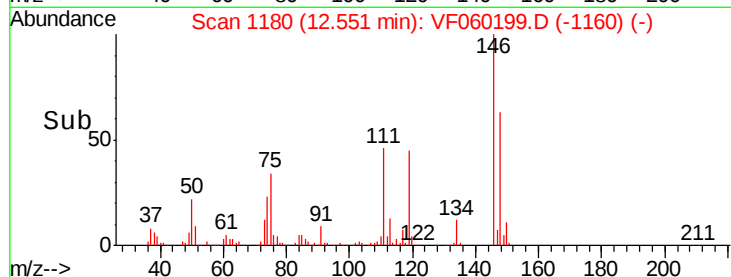
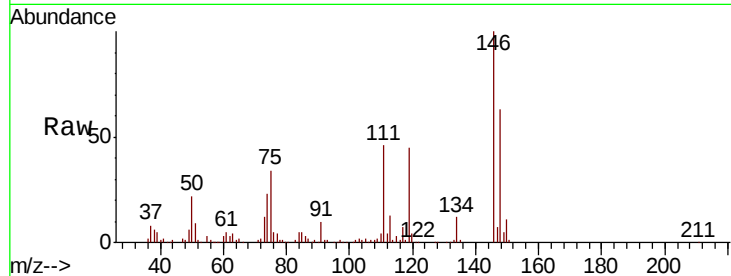
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	102953
Ion Ratio	Lower	Upper	
146	100		
111	45.6	19.7	59.1
148	63.0	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 20.24 ug/l

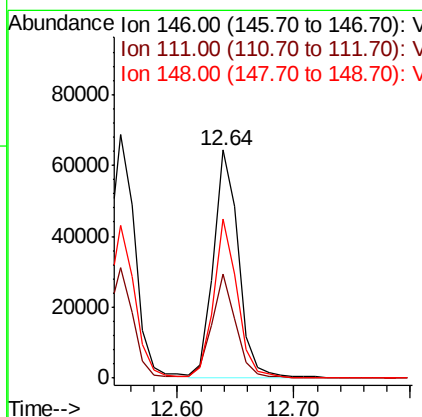
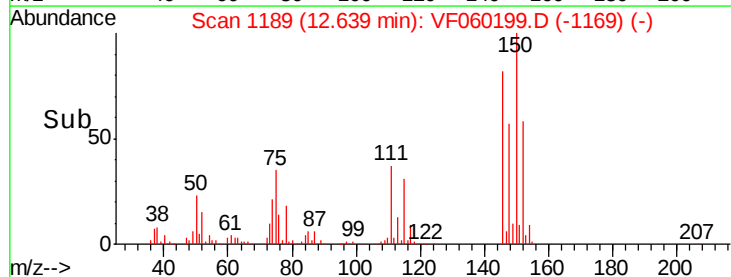
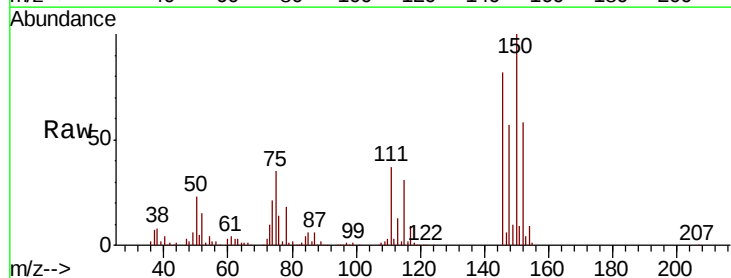
RT: 12.64 min Scan# 1189

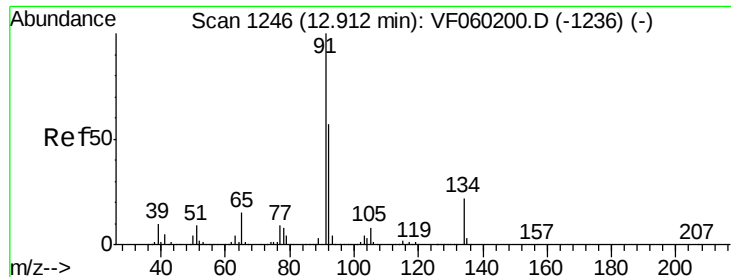
Delta R.T. -0.01 min

Lab File: VF060199.D

Acq: 6 Sep 2018 12:43

Tgt Ion:	146	Resp:	95395
Ion Ratio	Lower	Upper	
146	100		
111	45.4	19.7	59.1
148	69.8	33.1	99.5





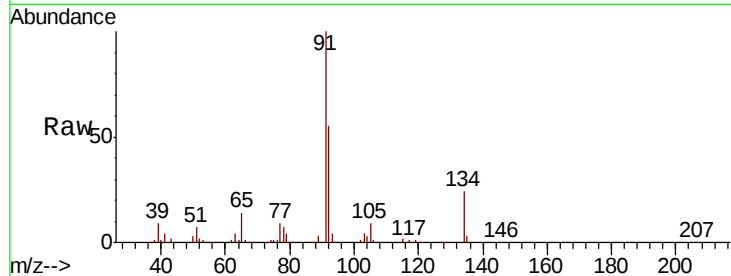
#89
n-Butylbenzene
Concen: 21.40 ug/l
RT: 12.92 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203221		
92	54.7		28.4	85.3
134	24.3		11.1	33.3

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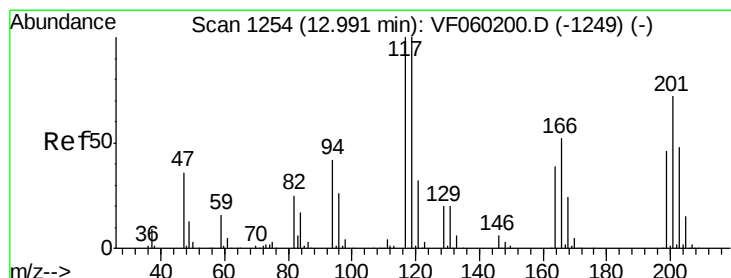
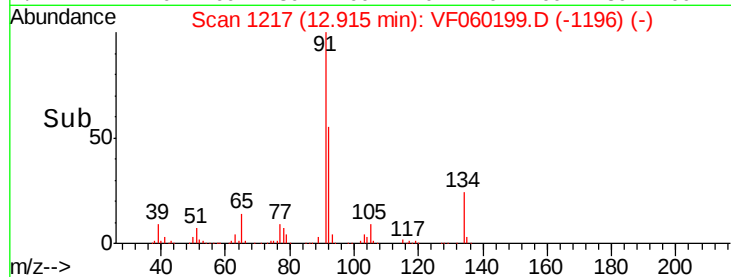
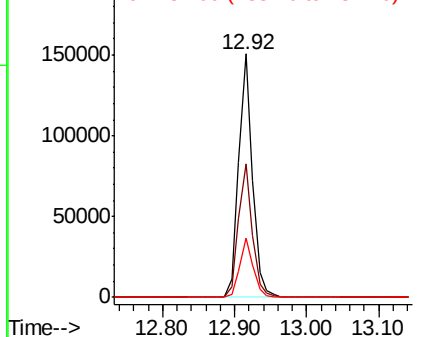


Abundance

Ion 91.00 (90.70 to 91.70): VF0

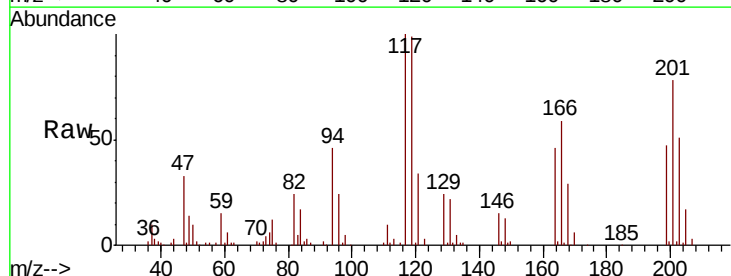
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 21.32 ug/l
RT: 12.99 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

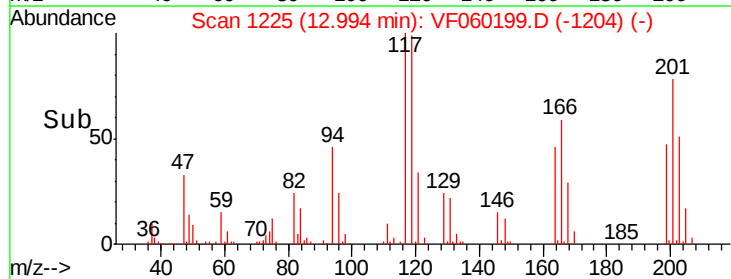
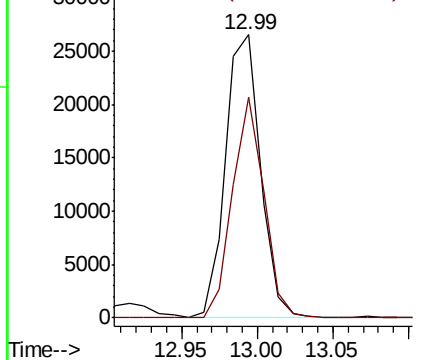
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42709		
201	77.9		35.7	107.1

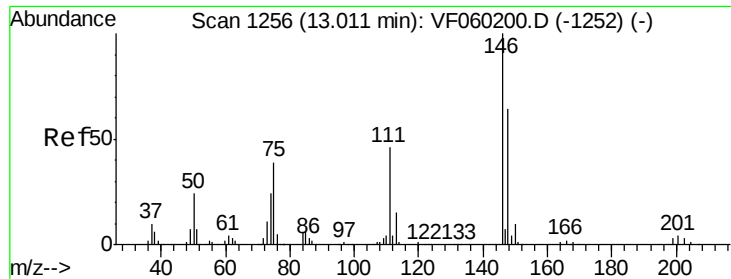


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





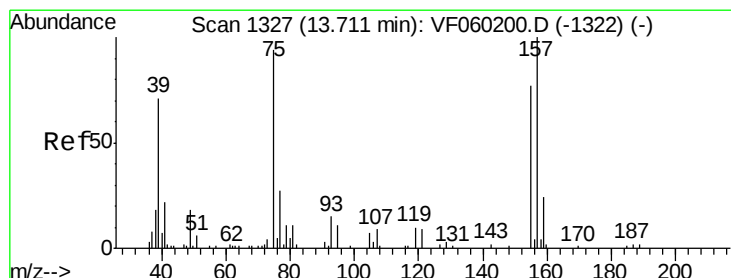
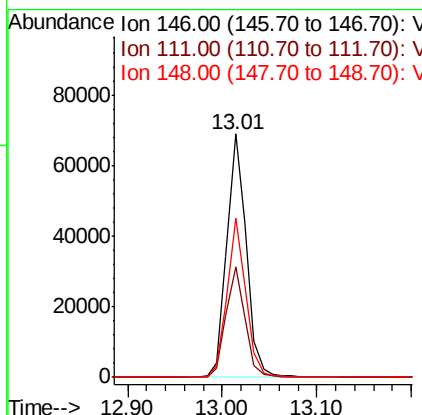
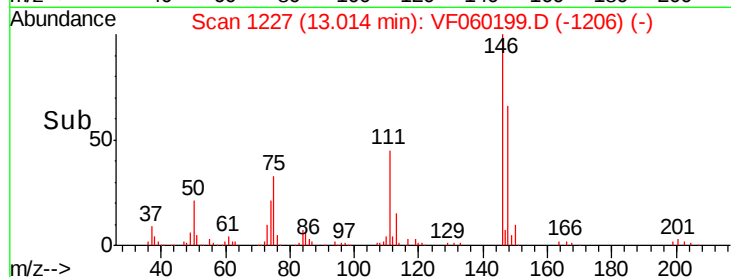
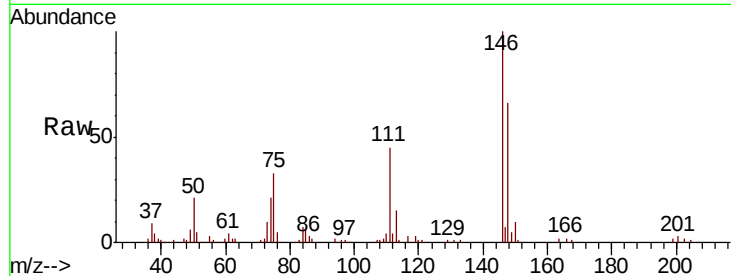
#91
 1,2-Dichlorobenzene
 Concen: 21.55 ug/l
 RT: 13.01 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.0	69.0
148	65.6	32.2	96.6

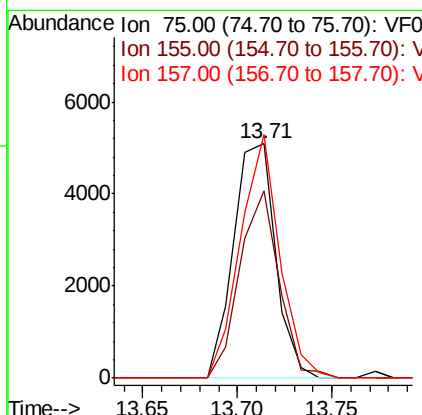
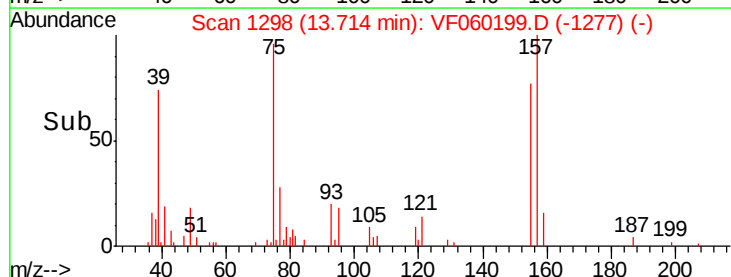
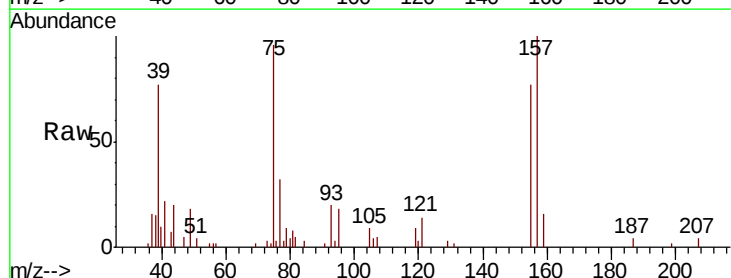
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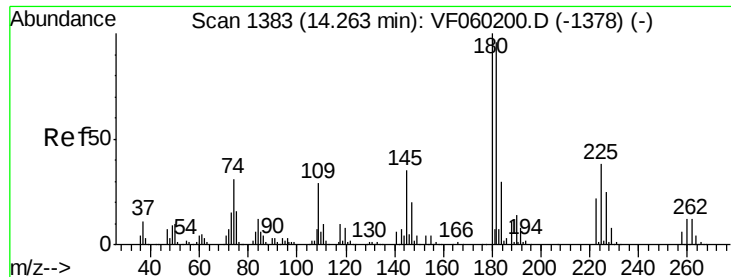
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.32 ug/l
 RT: 13.71 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.8	122.5
157	104.0	53.3	159.9





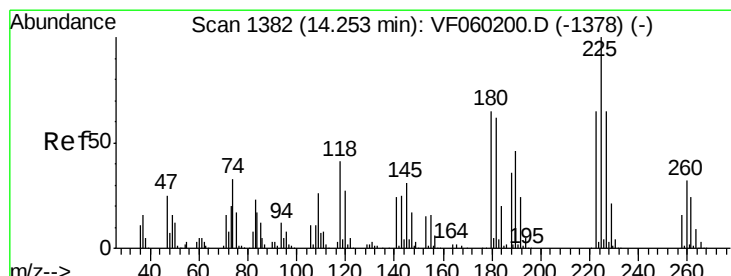
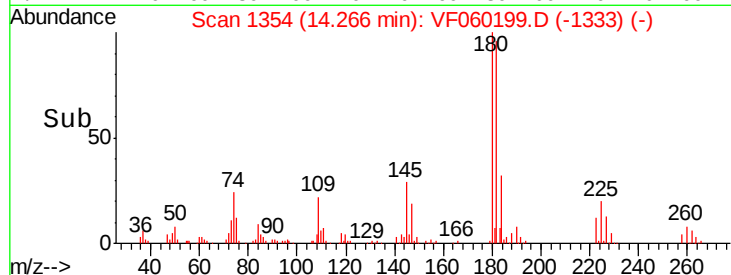
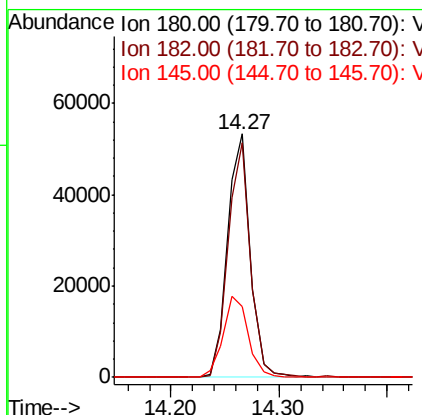
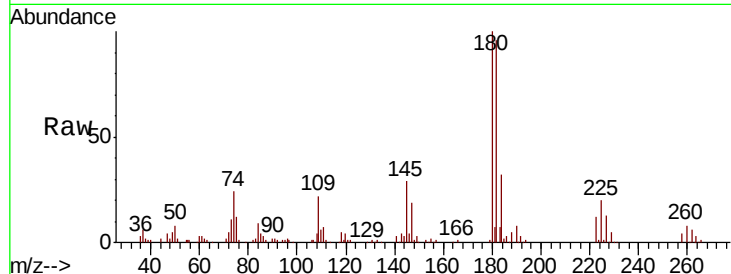
#93
 1,2,4-Trichlorobenzene
 Concen: 22.34 ug/l
 RT: 14.27 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	28.9	17.4	52.2

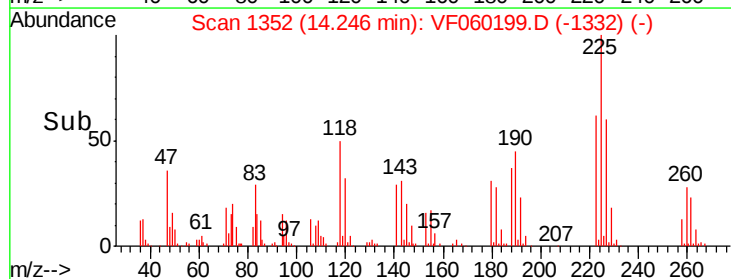
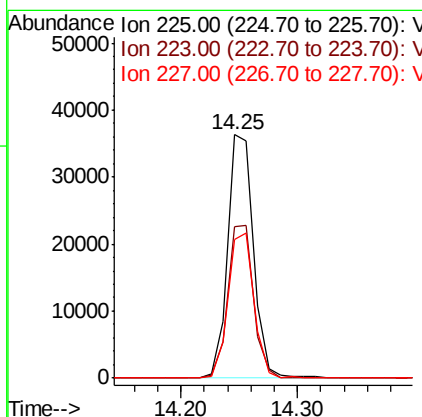
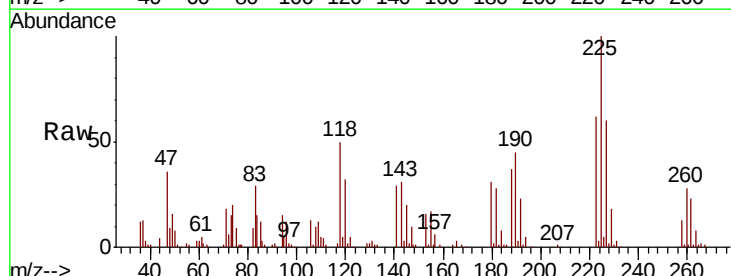
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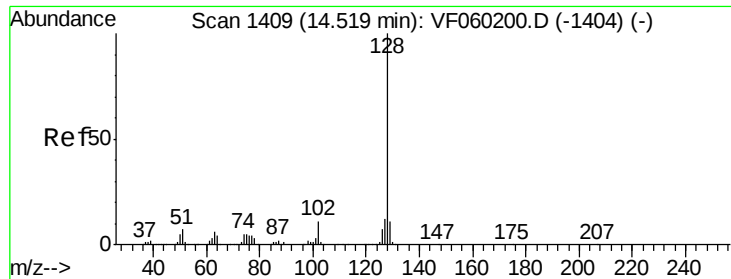
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#94
 Hexachlorobutadiene
 Concen: 22.17 ug/l
 RT: 14.25 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VF060199.D
 Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.3	96.8
227	57.2	32.4	97.0





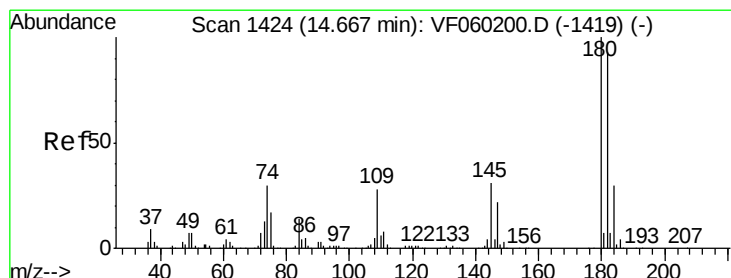
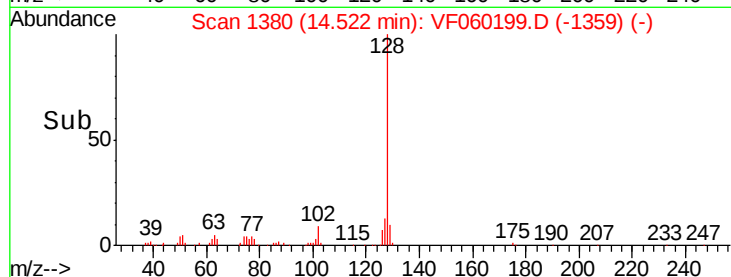
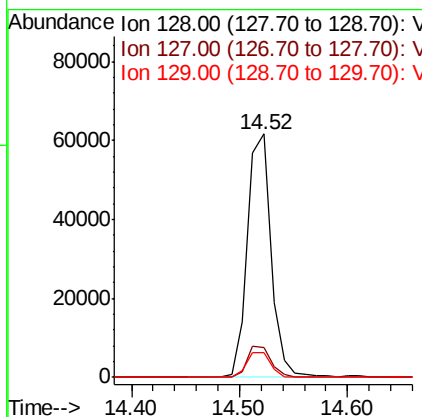
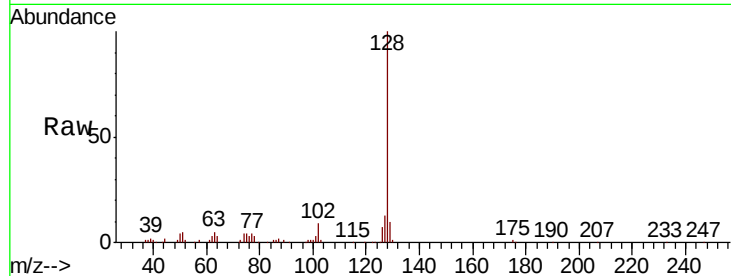
#95
Naphthalene
Concen: 19.24 ug/l
RT: 14.52 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.4	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.27 ug/l
RT: 14.66 min Scan# 1394
Delta R.T. -0.01 min
Lab File: VF060199.D
Acq: 6 Sep 2018 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	46.6	139.7
145	33.5	15.7	47.0

