

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060025.D
 Acq On : 21 Aug 2018 17:55
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:00 AM

Quant Time: Aug 22 04:21:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	211530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	324566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	344161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	208810	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	62660	16.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.12%	
35) Dibromofluoromethane	4.30	113	53885	16.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.78%	
50) Toluene-d8	7.72	98	157146	21.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.04%	
62) 4-Bromofluorobenzene	11.51	95	83303	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	61415	17.75	ug/l	98
3) Chloromethane	1.07	50	41692	21.66	ug/l	100
4) Vinyl Chloride	1.12	62	40895	19.48	ug/l	97
5) Bromomethane	1.32	94	28228	14.05	ug/l	95
6) Chloroethane	1.39	64	14588	13.90	ug/l	99
7) Trichlorofluoromethane	1.48	101	77842	13.49	ug/l	99
8) Diethyl Ether	1.70	74	13109	15.05	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	40099	14.67	ug/l	99
10) Methyl Iodide	1.93	142	54657	15.79	ug/l	99
11) Tert butyl alcohol	2.69	59	16221	71.55	ug/l #	96
12) 1,1-Dichloroethene	1.83	96	29274	15.34	ug/l	92
13) Acrolein	2.10	56	5689	46.41	ug/l #	72
14) Allyl chloride	2.19	41	54180	16.77	ug/l	96
15) Acrylonitrile	3.08	53	31601	86.38	ug/l	93
16) Acetone	2.34	43	88019	72.55	ug/l	98
17) Carbon Disulfide	1.84	76	98724	16.35	ug/l	97
18) Methyl Acetate	2.45	43	31417	13.56	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	91307	14.70	ug/l	98
20) Methylene Chloride	2.28	84	37642	13.95	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	32758	16.01	ug/l	98
22) Diisopropyl ether	2.93	45	113515	16.38	ug/l	97
23) Vinyl Acetate	3.34	43	314009	108.40	ug/l	100
24) 1,1-Dichloroethane	3.00	63	73607	16.45	ug/l	100
25) 2-Butanone	4.51	43	107645	107.46	ug/l	98
26) 2,2-Dichloropropane	3.76	77	75947	18.80	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	42445	21.34	ug/l	92
28) Bromochloromethane	3.89	49	30711	22.25	ug/l #	79
29) Tetrahydrofuran	4.27	42	39464	109.82	ug/l	98
30) Chloroform	4.05	83	98034	18.26	ug/l	96
31) Cyclohexane	3.86	56	55918	25.01	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	85807	16.74	ug/l	94
36) 1,1-Dichloropropene	4.46	75	64347	17.68	ug/l	94
37) Ethyl Acetate	4.30	43	39375	19.78	ug/l #	89
38) Carbon Tetrachloride	4.18	117	75637	15.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	62576	22.51	ug/l #	86
40) Benzene	4.82	78	146001	23.35	ug/l	99
41) Methacrylonitrile	4.93	41	18550	19.25	ug/l	95
42) 1,2-Dichloroethane	5.12	62	74432	14.84	ug/l	97
43) Isopropyl Acetate	7.11	43	48033	21.28	ug/l #	97
44) Trichloroethene	5.69	130	47249	19.76	ug/l	97
45) 1,2-Dichloropropane	6.42	63	40287	22.32	ug/l	100
46) Dibromomethane	6.26	93	30312	17.54	ug/l	94
47) Bromodichloromethane	6.55	83	75000	16.47	ug/l	98
48) Methyl methacrylate	6.88	41	30104	18.31	ug/l	93
49) 1,4-Dioxane	6.88	88	6795	526.41	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	213433	102.38	ug/l	99
52) Toluene	7.79	92	109690	23.46	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	70227	18.13	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	78582	20.53	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	40122	21.47	ug/l	96
56) Ethyl methacrylate	8.77	69	47399	21.78	ug/l	93
57) 1,3-Dichloropropane	9.01	76	67464	20.20	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	19171	111.00	ug/l	100
59) 2-Hexanone	9.64	43	179077	103.89	ug/l	98
60) Dibromochloromethane	8.87	129	53390	16.23	ug/l	99
61) 1,2-Dibromoethane	9.15	107	44008	19.16	ug/l	95
64) Tetrachloroethene	8.32	164	47132	18.07	ug/l	93
65) Chlorobenzene	9.94	112	137085	20.23	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	51083	16.85	ug/l	97
67) Ethyl Benzene	10.05	91	244102	20.00	ug/l	98
68) m/p-Xylenes	10.28	106	182737	42.50	ug/l	99
69) o-Xylene	10.83	106	94827	21.55	ug/l	97
70) Styrene	10.91	104	147416	21.00	ug/l	99
71) Bromoform	10.90	173	35517	15.87	ug/l	96
73) Isopropylbenzene	11.24	105	276529	22.01	ug/l	99
74) N-amyl acetate	11.47	43	81840	22.57	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	57856	22.90	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	45905	21.11	ug/l	92
77) Bromobenzene	11.60	156	74676	21.38	ug/l	90
78) n-propylbenzene	11.69	91	341587	21.84	ug/l	99
79) 2-Chlorotoluene	11.82	91	196685	20.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	244688	21.69	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	20953m	22.83	ug/l	
82) 4-Chlorotoluene	11.99	91	213449	20.80	ug/l	98
83) tert-Butylbenzene	12.22	119	236652	21.46	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	255238	21.53	ug/l	95
85) sec-Butylbenzene	12.39	105	317007	21.54	ug/l	98
86) p-Isopropyltoluene	12.55	119	283316	21.77	ug/l	95
87) 1,3-Dichlorobenzene	12.57	146	139920	20.98	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	137740	21.26	ug/l	94
89) n-Butylbenzene	12.92	91	267214	21.25	ug/l	98
90) Hexachloroethane	13.00	117	57671	19.90	ug/l	90
91) 1,2-Dichlorobenzene	13.03	146	128906	20.29	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	11238	17.01	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	97814	19.03	ug/l	97
94) Hexachlorobutadiene	14.26	225	62041	18.37	ug/l	98
95) Naphthalene	14.53	128	127750	17.30	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	92991	18.86	ug/l	99

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

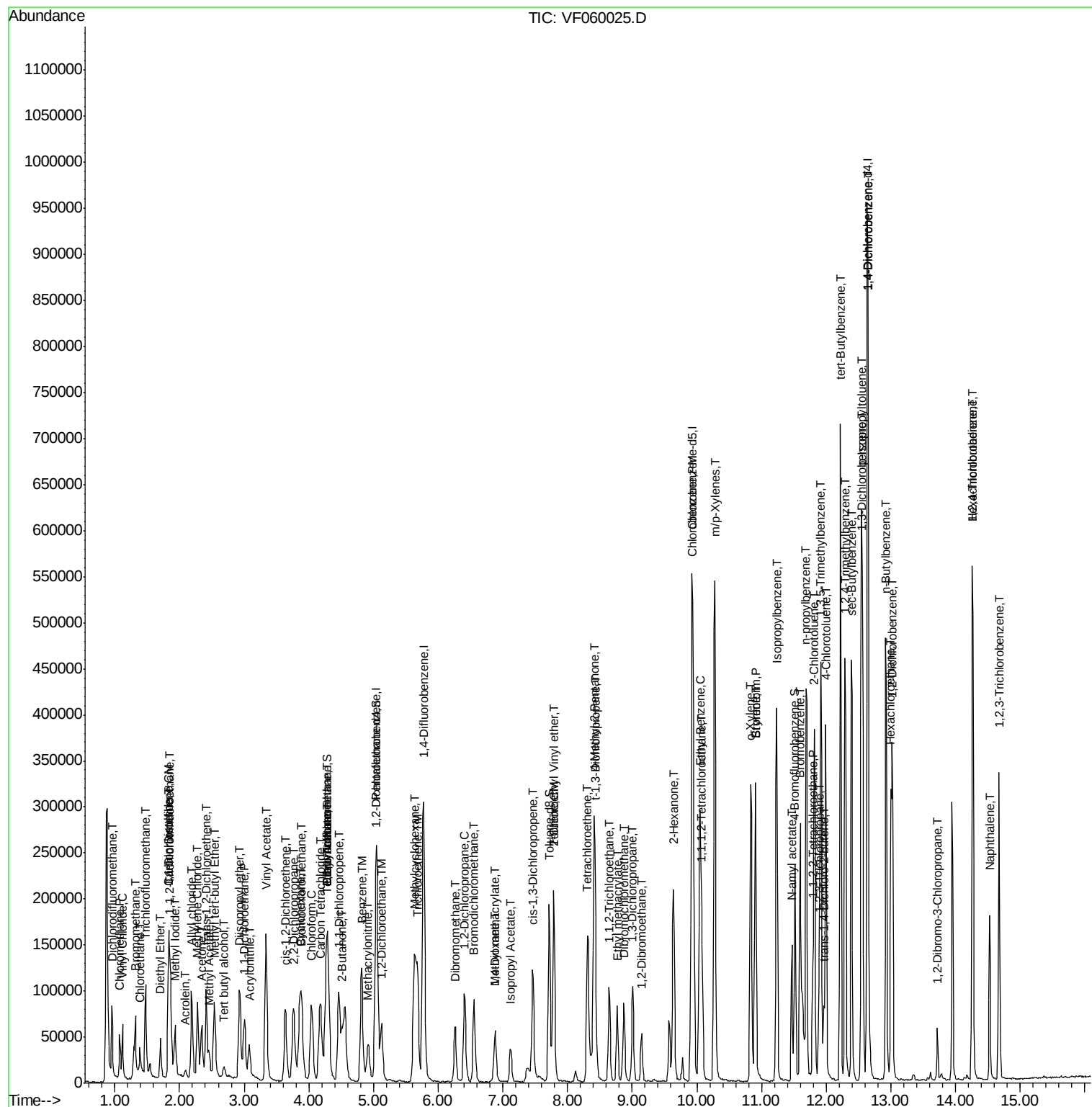
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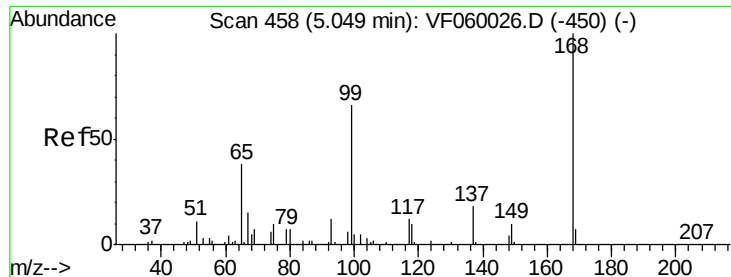
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 211530

Ion Ratio Lower Upper

168 100

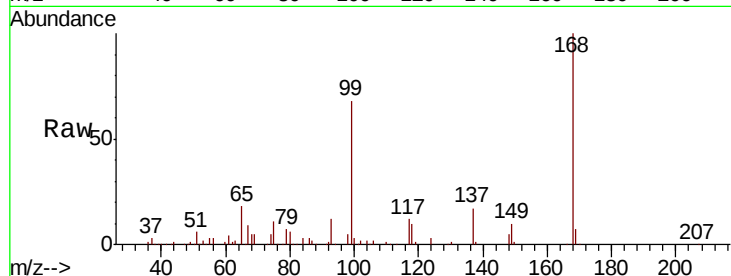
99 68.3 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

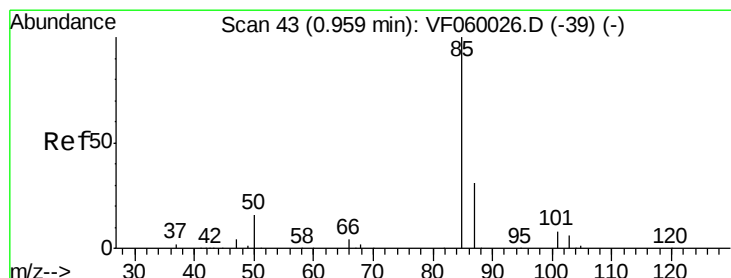
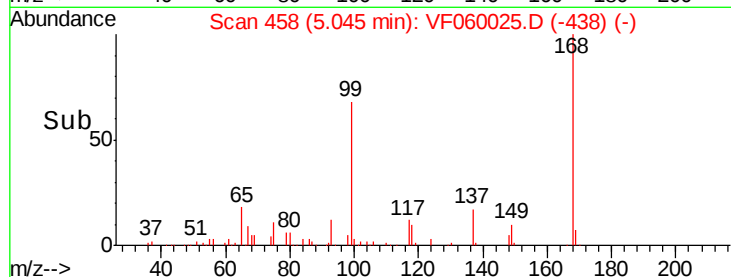
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 17.75 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060025.D

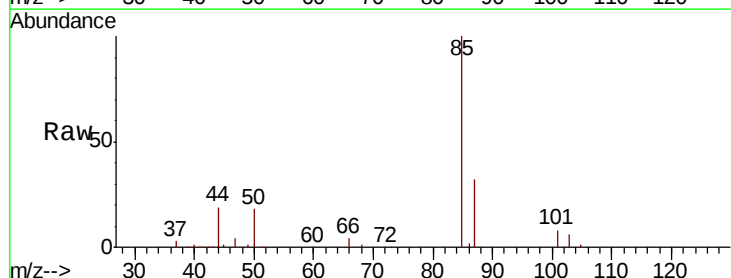
Acq: 21 Aug 2018 17:55

Tgt Ion: 85 Resp: 61415

Ion Ratio Lower Upper

85 100

87 31.7 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

40000

30000

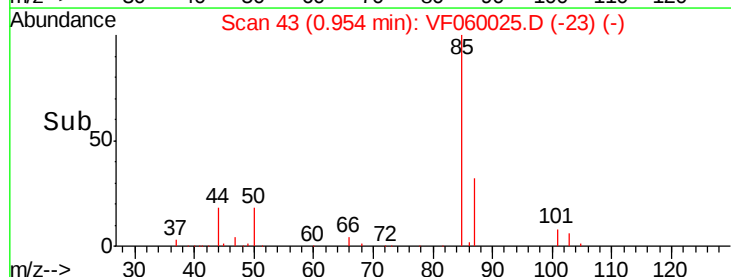
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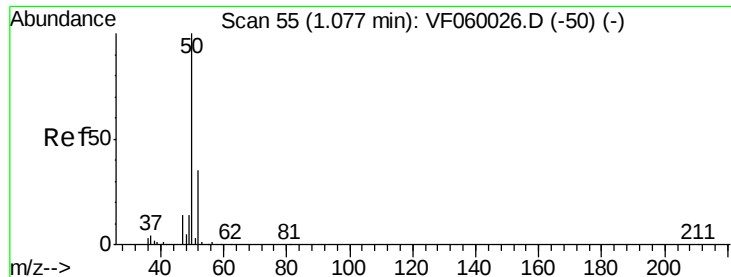
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 21.66 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 41692

Ion Ratio Lower Upper

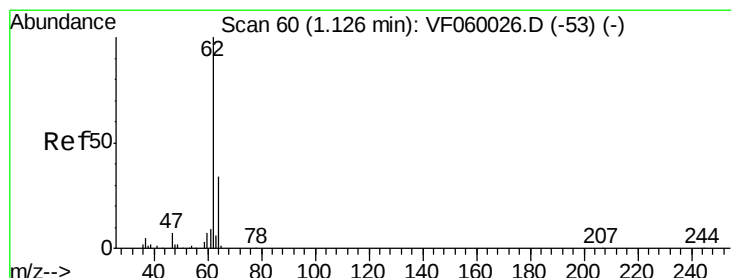
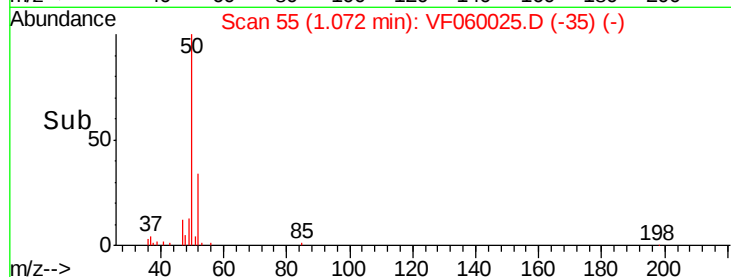
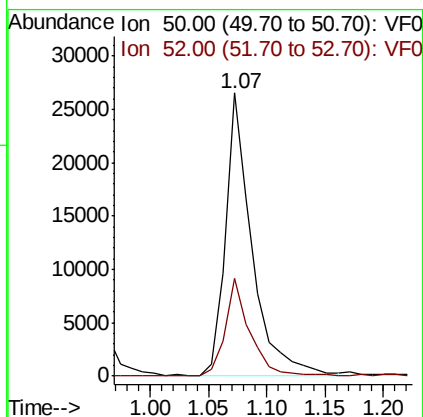
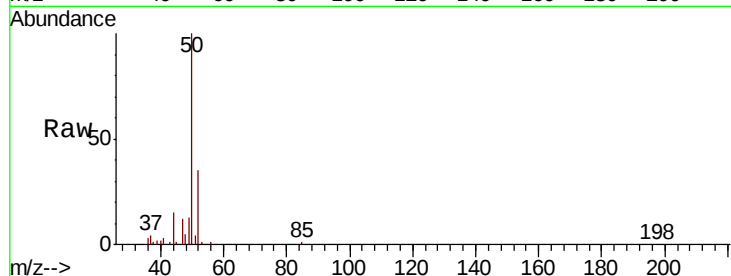
50 100

52 34.5 27.6 41.4

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#4

Vinyl Chloride

Concen: 19.48 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060025.D

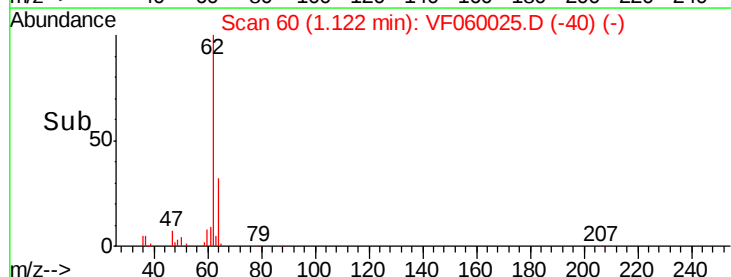
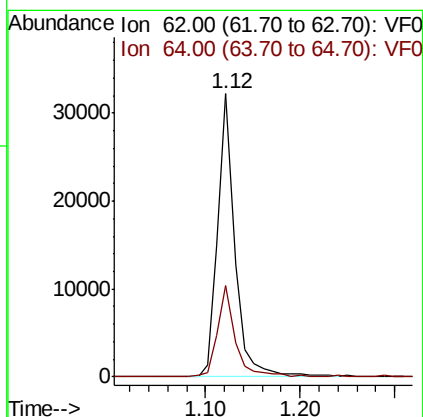
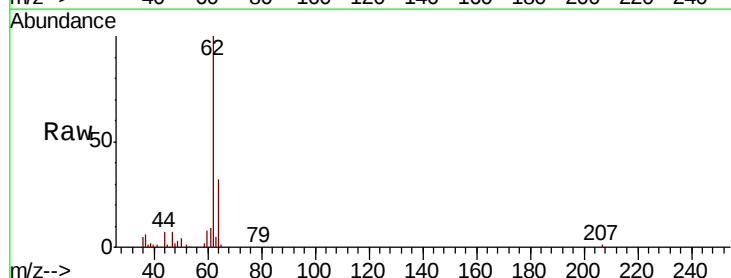
Acq: 21 Aug 2018 17:55

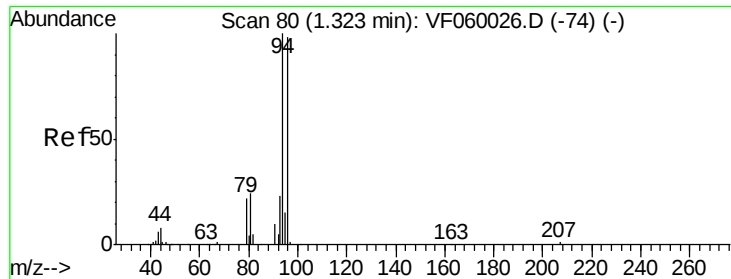
Tgt Ion: 62 Resp: 40895

Ion Ratio Lower Upper

62 100

64 32.4 27.4 41.2





#5

Bromomethane

Concen: 14.05 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

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Acq: 21 Aug 2018 17:55

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Tot Ion: 94 Resp: 28228

Ion Ratio Lower Upper

94 100

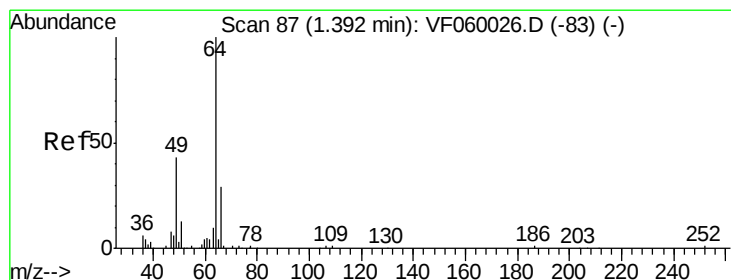
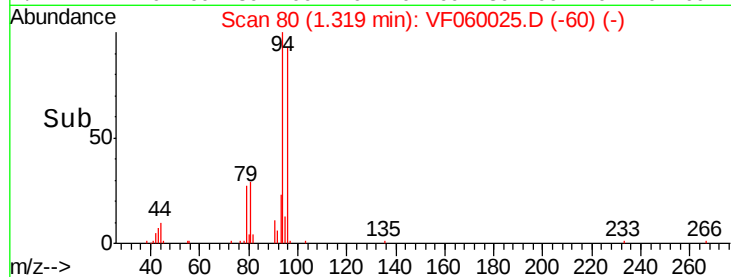
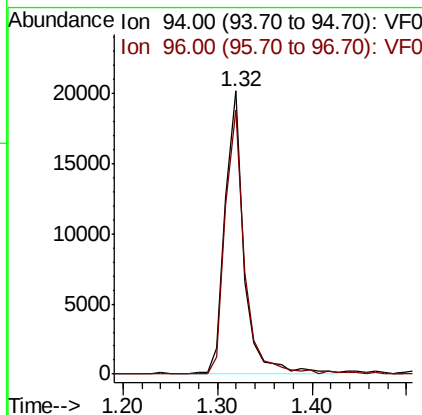
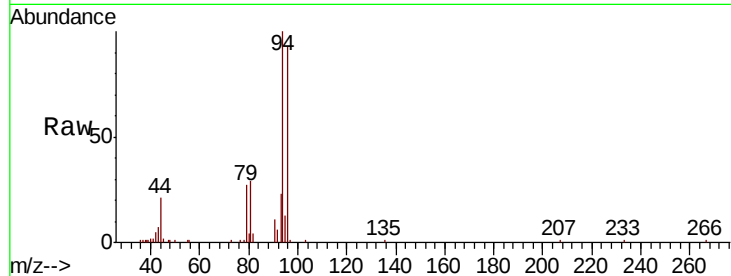
96 93.3 78.6 118.0

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#6

Chloroethane

Concen: 13.90 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060025.D

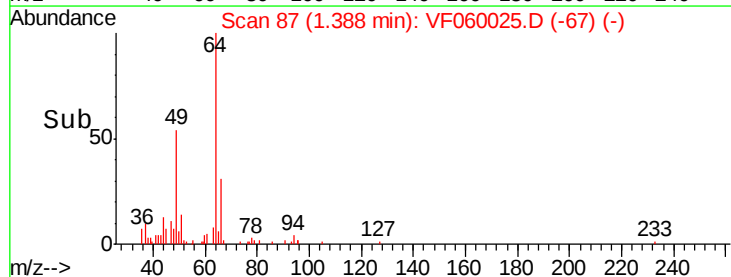
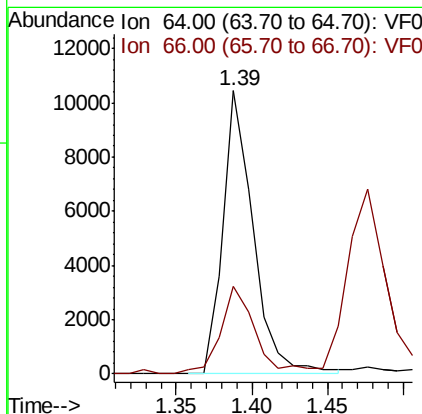
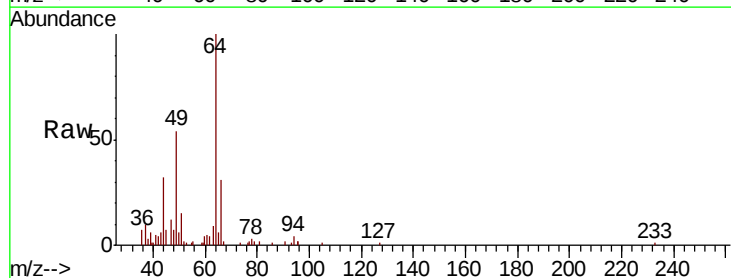
Acq: 21 Aug 2018 17:55

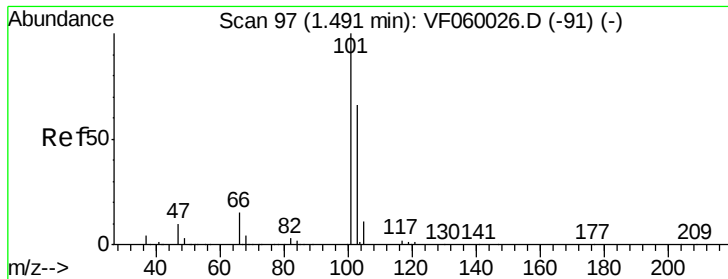
Tgt Ion: 64 Resp: 14588

Ion Ratio Lower Upper

64 100

66 30.9 24.1 36.1





#7

Trichlorofluoromethane

Concen: 13.49 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 77842

Ion Ratio Lower Upper

101 100

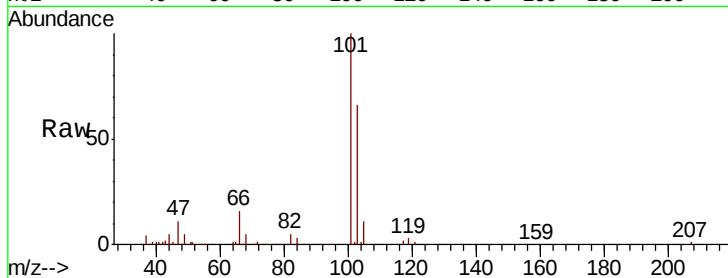
103 66.1 52.5 78.7

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

50000

40000

30000

20000

10000

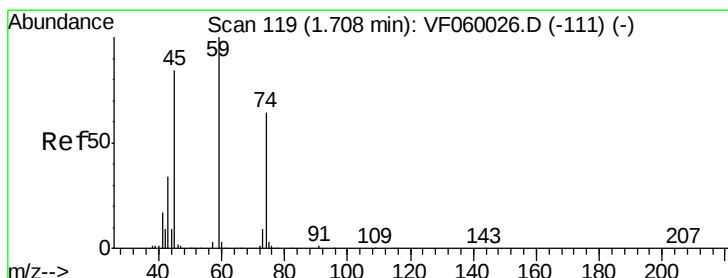
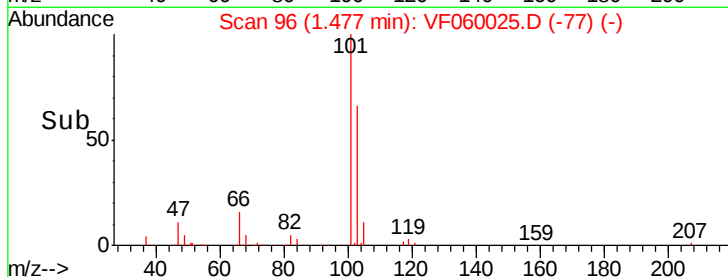
0

1.40

1.50

1.60

Time-->



#8

Diethyl Ether

Concen: 15.05 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060025.D

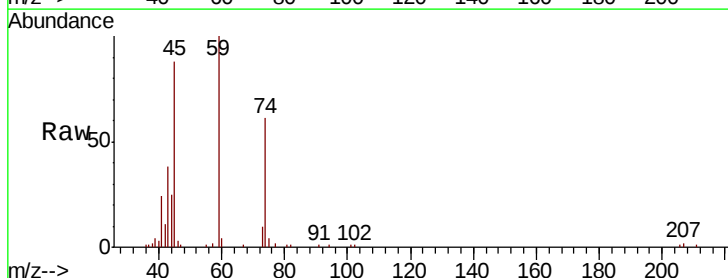
Acq: 21 Aug 2018 17:55

Tgt Ion: 74 Resp: 13109

Ion Ratio Lower Upper

74 100

45 144.2 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

12000

10000

8000

6000

4000

2000

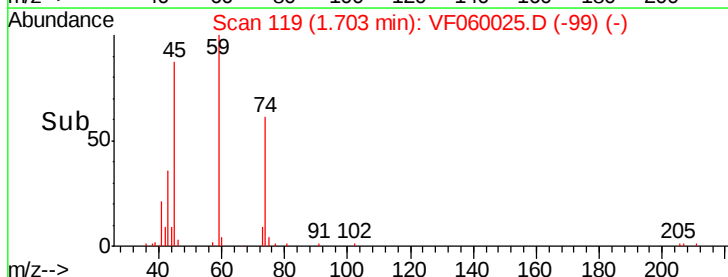
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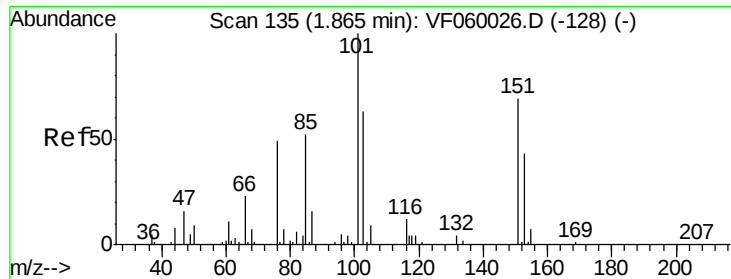
1.60

1.70

1.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.67 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

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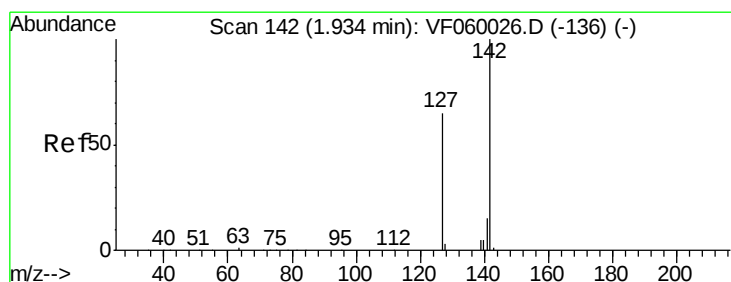
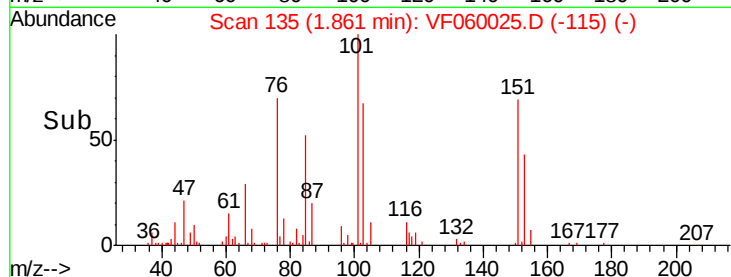
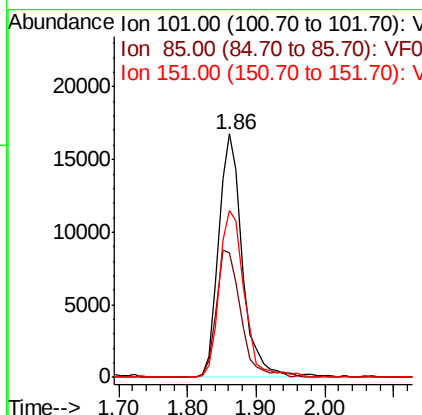
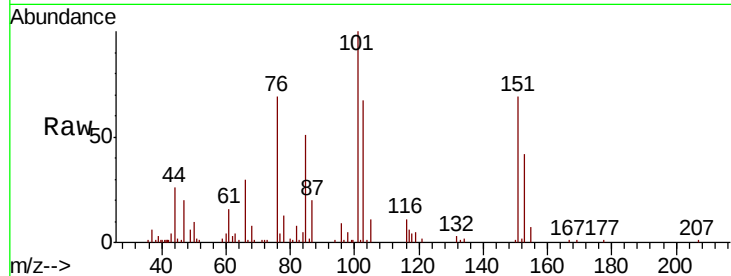
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	40099
Ion Ratio	Lower	Upper	
101	100		
85	51.4	41.5	62.3
151	68.5	55.2	82.8

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#10

Methyl Iodide

Concen: 15.79 ug/l

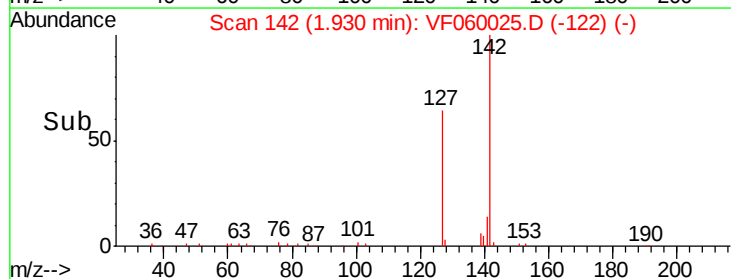
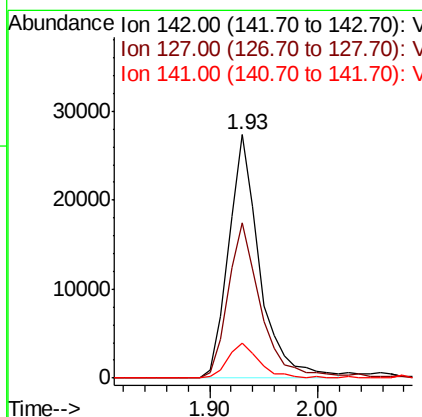
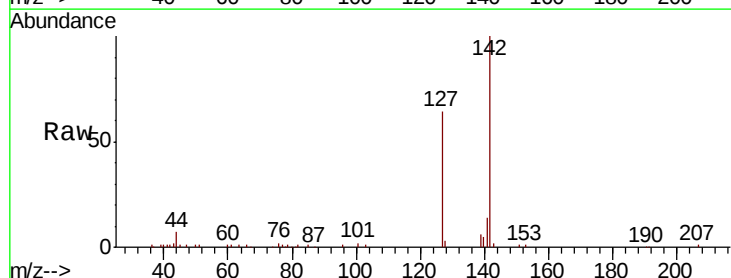
RT: 1.93 min Scan# 142

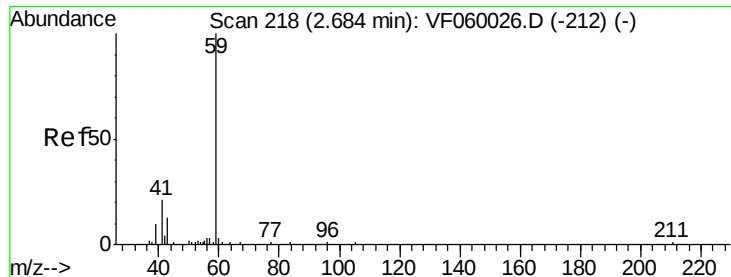
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	142	Resp:	54657
Ion Ratio	Lower	Upper	
142	100		
127	63.8	51.8	77.6
141	14.2	11.9	17.9





#11

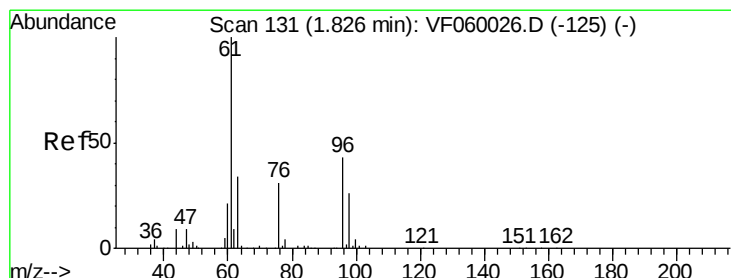
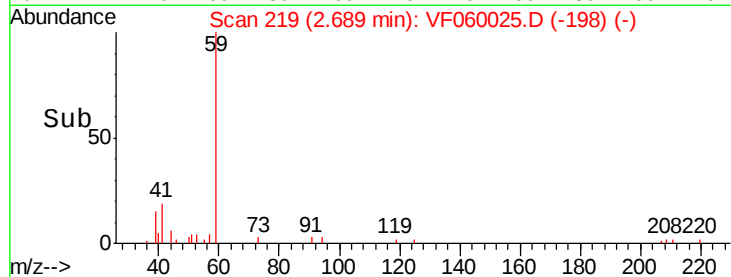
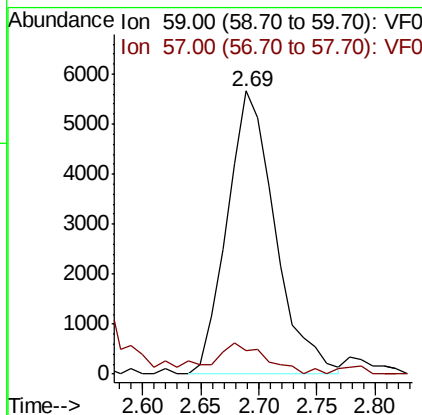
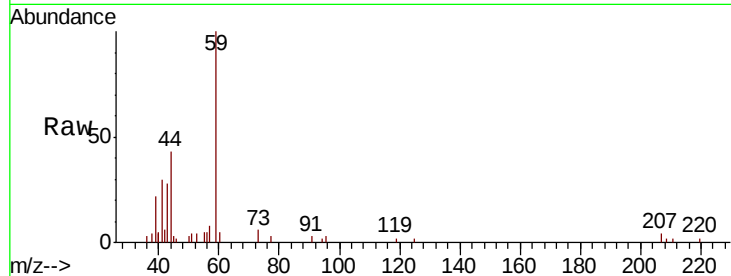
Tert butyl alcohol
Concen: 71.55 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	5.4	8.2#

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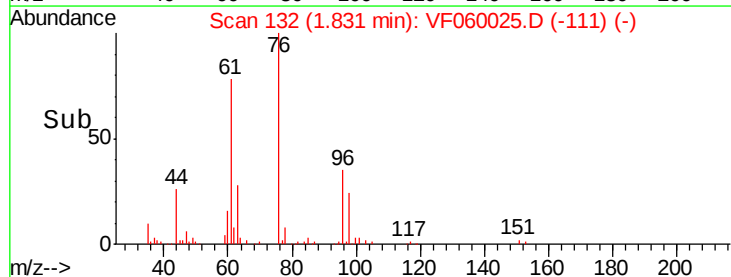
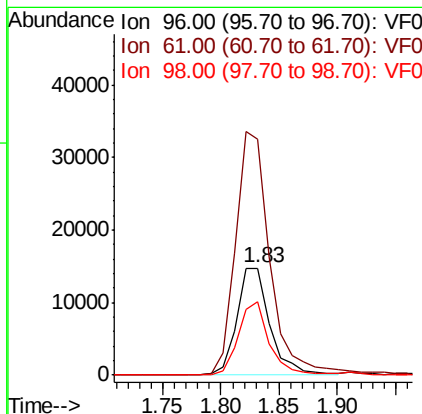
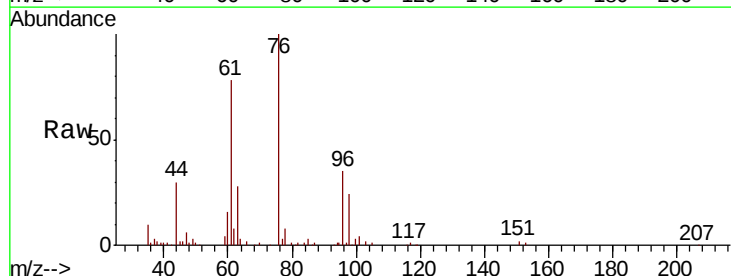
apatel
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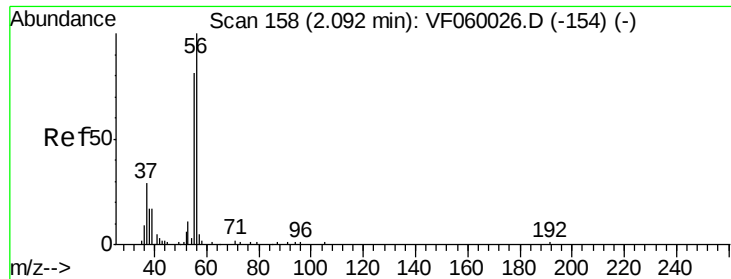


#12

1,1-Dichloroethene
Concen: 15.34 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	221.4	185.0	277.6
98	70.1	47.8	71.8





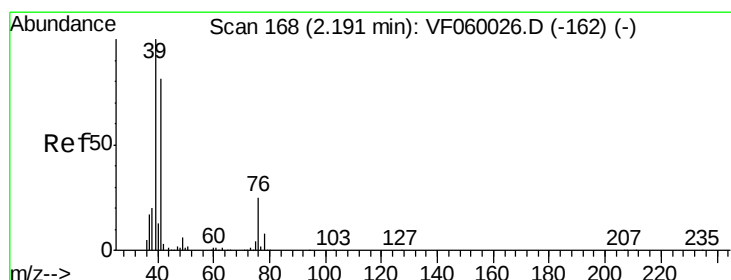
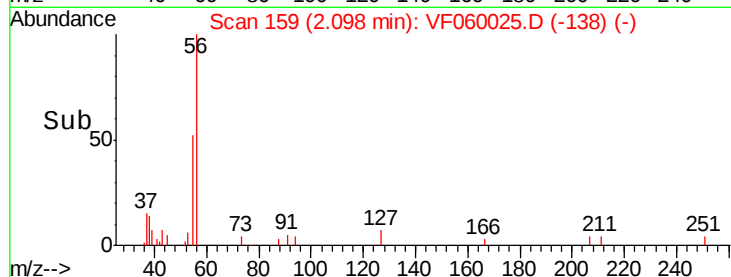
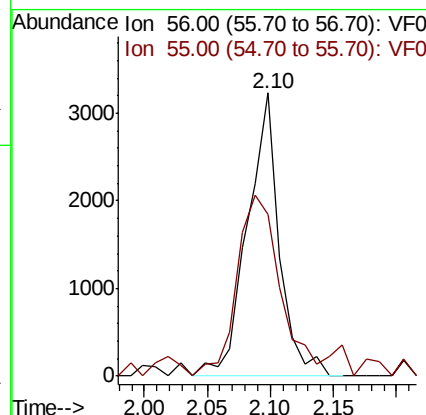
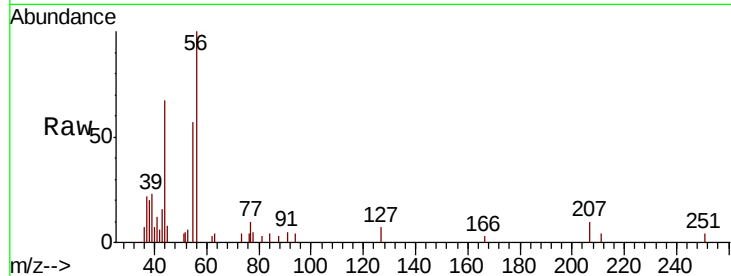
#13
Acrolein
Concen: 46.41 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	5689
Ion Ratio	Lower	Upper	
56	100		
55	57.0	65.6	98.4#

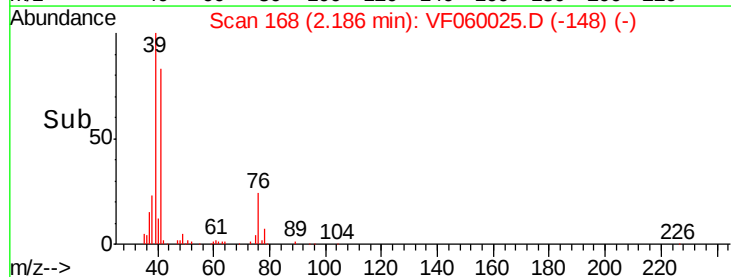
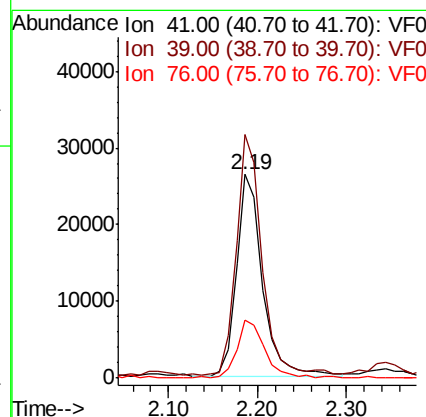
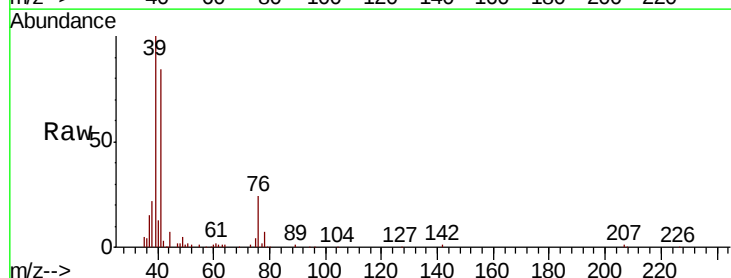
Manual Integrations
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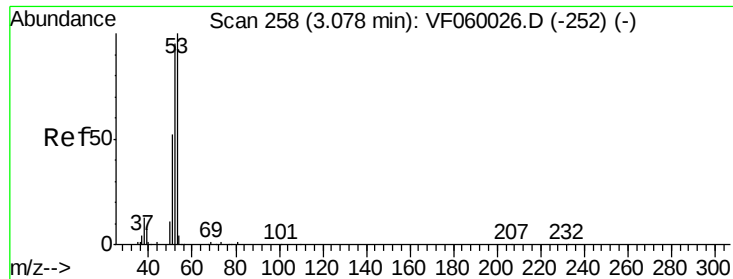
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#14
Allyl chloride
Concen: 16.77 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	41	Resp	54180
Ion Ratio	Lower	Upper	
41	100		
39	119.7	99.3	148.9
76	28.7	24.3	36.5





#15

Acrylonitrile

Concen: 86.38 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

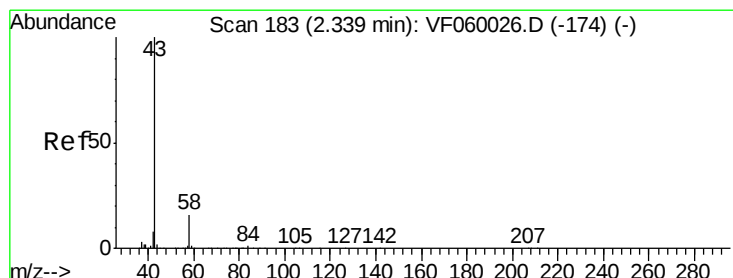
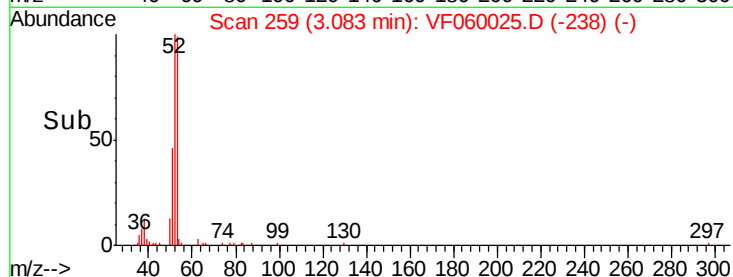
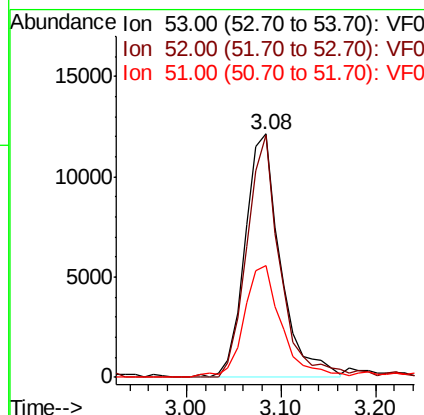
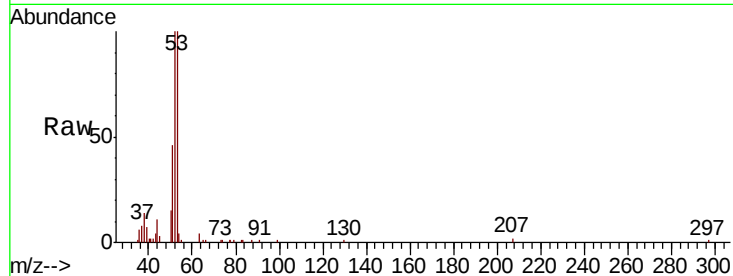
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	31601
Ion	Ratio	Lower	Upper
53	100		
52	99.7	75.8	113.8
51	45.7	42.1	63.1

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#16

Acetone

Concen: 72.55 ug/l

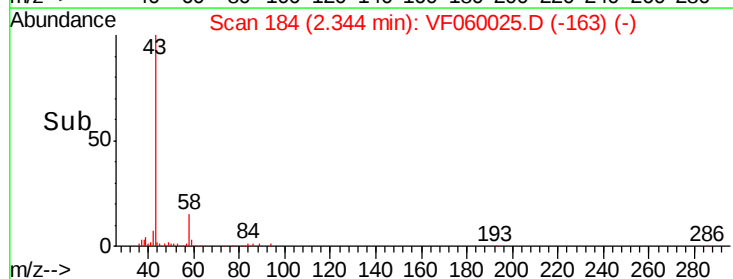
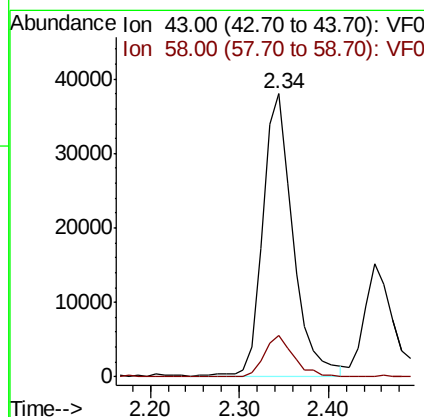
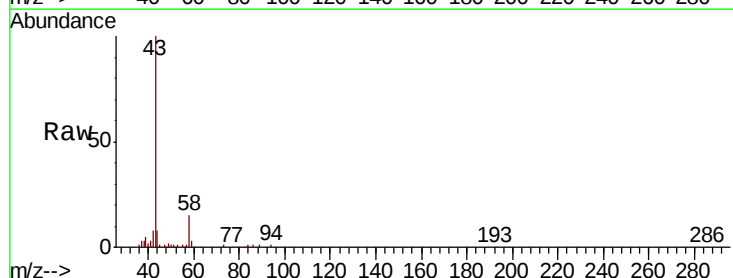
RT: 2.34 min Scan# 184

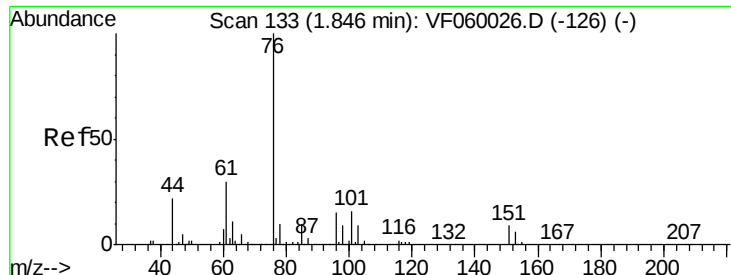
Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	43	Resp:	88019
Ion	Ratio	Lower	Upper
43	100		
58	14.8	12.6	19.0





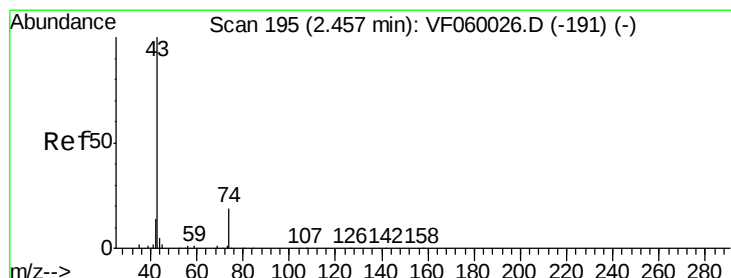
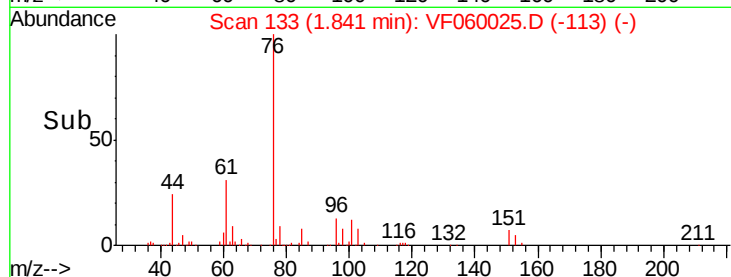
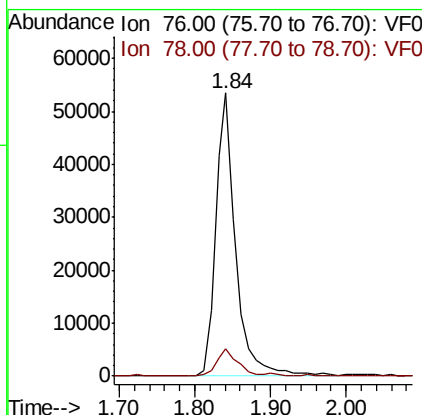
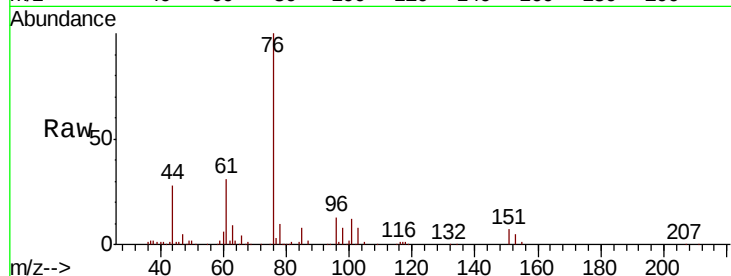
#17
Carbon Disulfide
Concen: 16.35 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	8.4	12.6

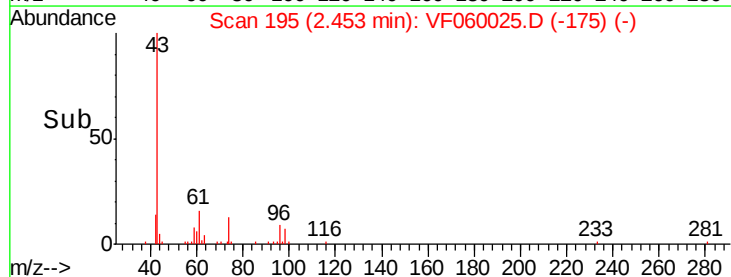
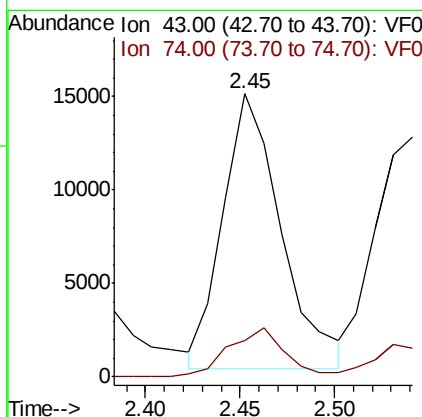
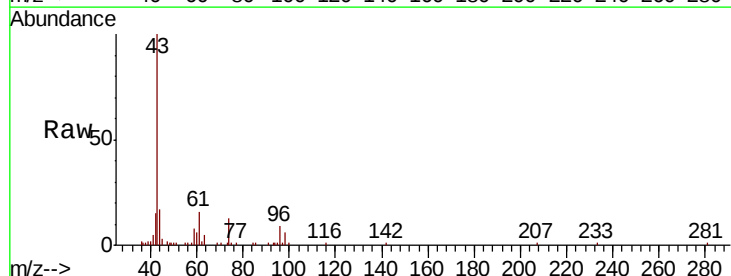
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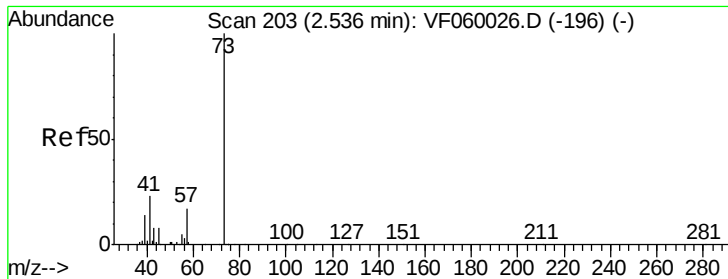
apatel
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#18
Methyl Acetate
Concen: 13.56 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.1	13.8	20.6#





#19

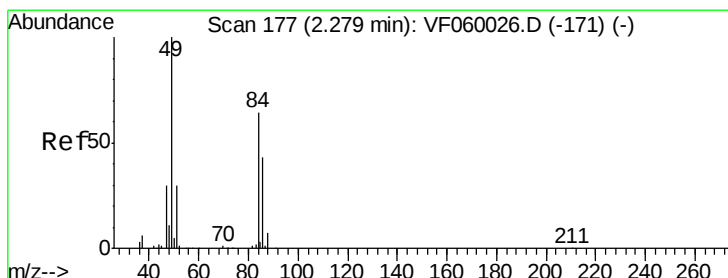
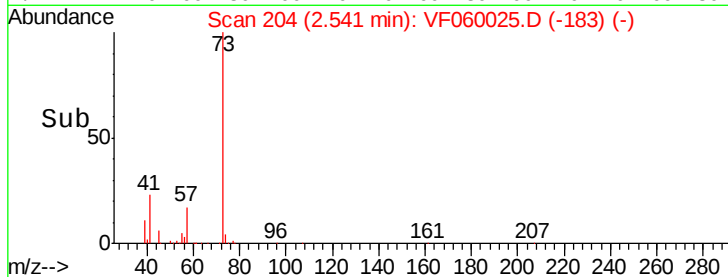
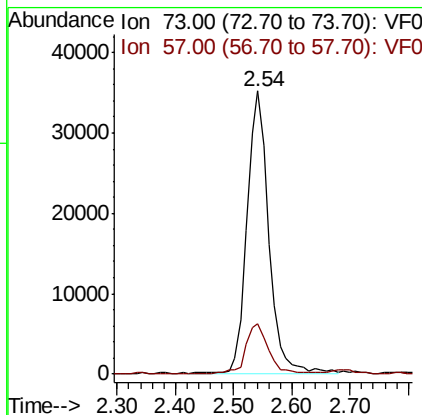
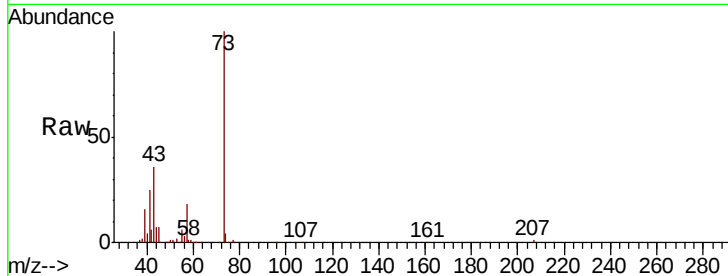
Methyl tert-butyl Ether
 Concen: 14.70 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	13.7	20.5

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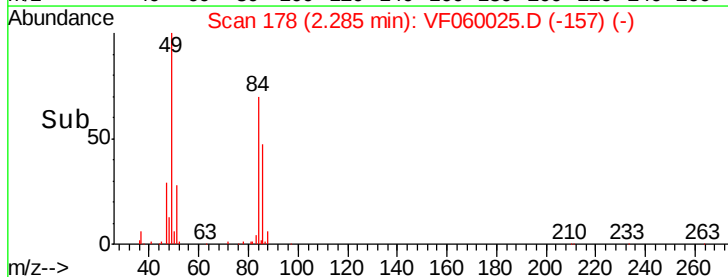
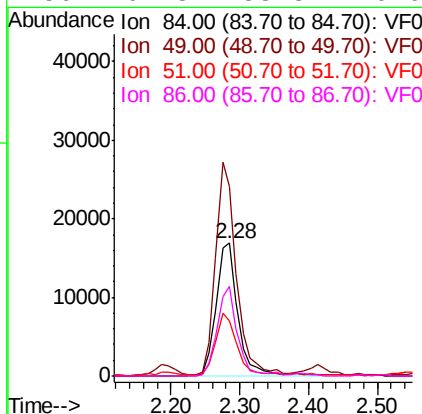
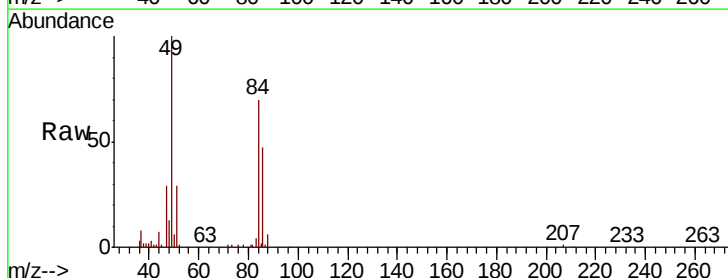
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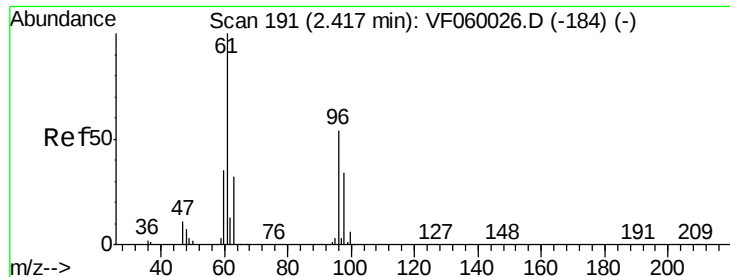


#20

Methylene Chloride
 Concen: 13.95 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.8	125.4	188.0
51	41.6	38.3	57.5
86	67.8	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 16.01 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

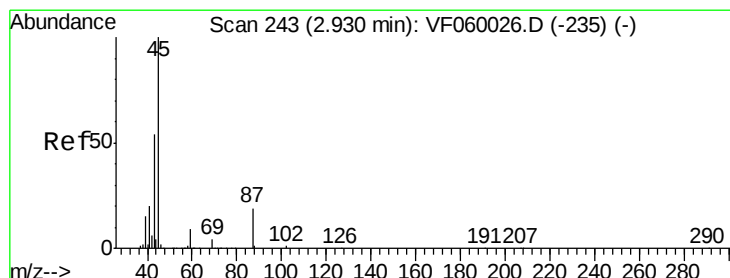
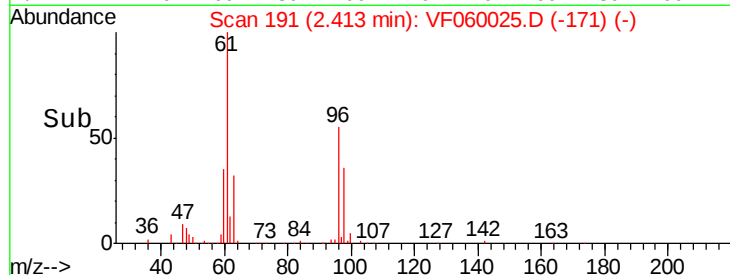
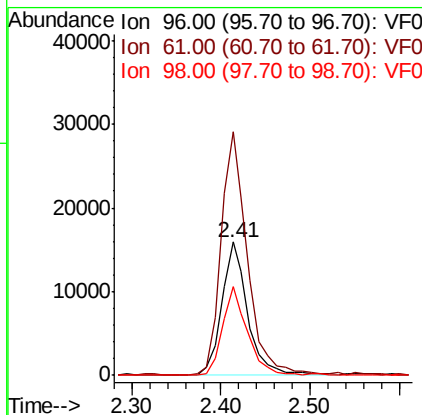
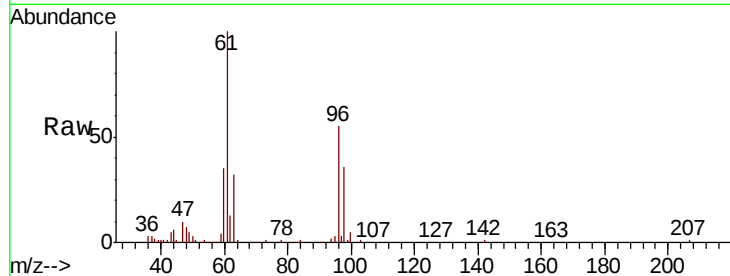
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	32758
Ion	Ratio	Lower	Upper
96	100		
61	183.2	147.4	221.0
98	66.3	49.8	74.6

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#22

Diisopropyl ether

Concen: 16.38 ug/l

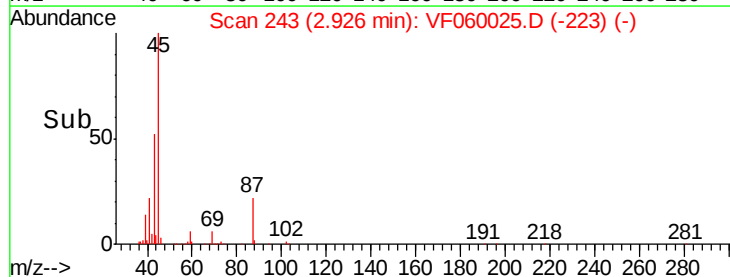
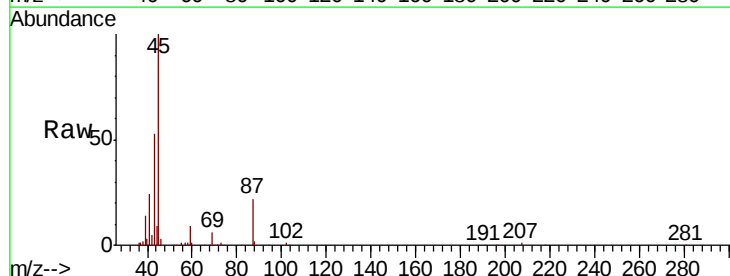
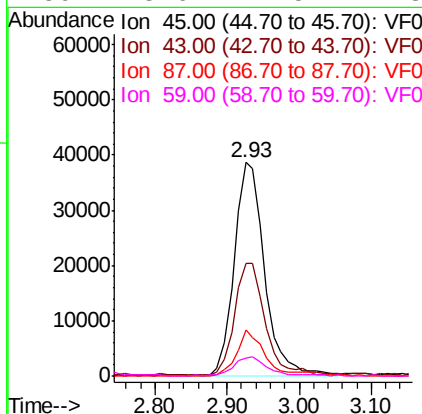
RT: 2.93 min Scan# 243

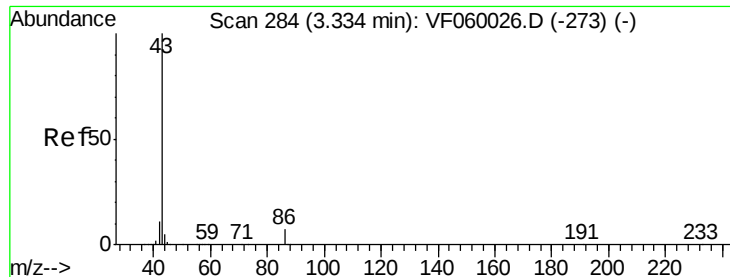
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	45	Resp:	113515
Ion	Ratio	Lower	Upper
45	100		
43	52.6	43.4	65.2
87	21.6	15.4	23.2
59	8.6	7.5	11.3





#23

Vinyl Acetate

Concen: 108.40 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 314009

Ion Ratio Lower Upper

43 100

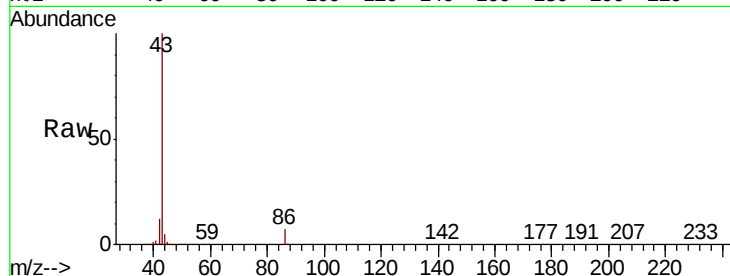
86 7.0 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

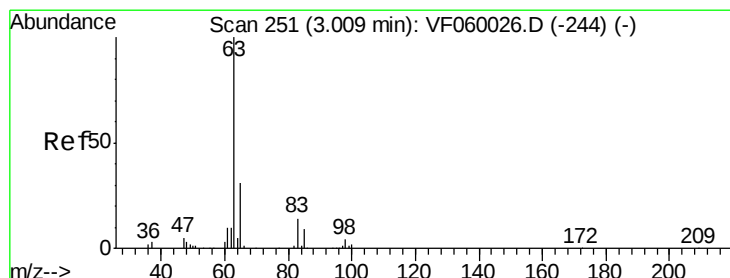
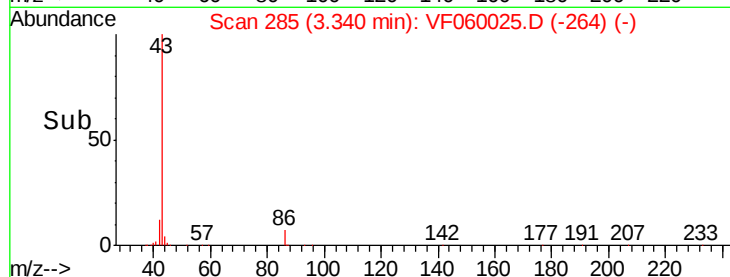
3.34

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.45 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

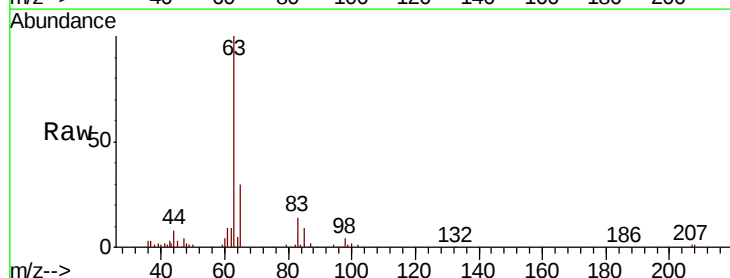
Tgt Ion: 63 Resp: 73607

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 2.4 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

40000

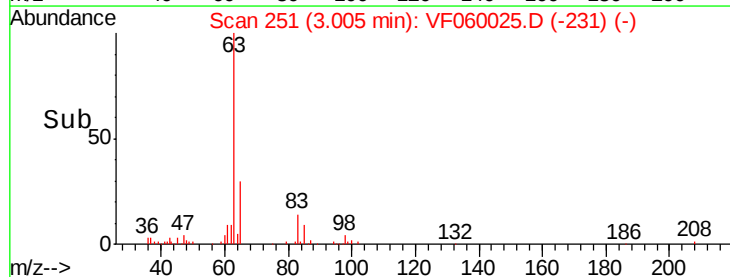
30000

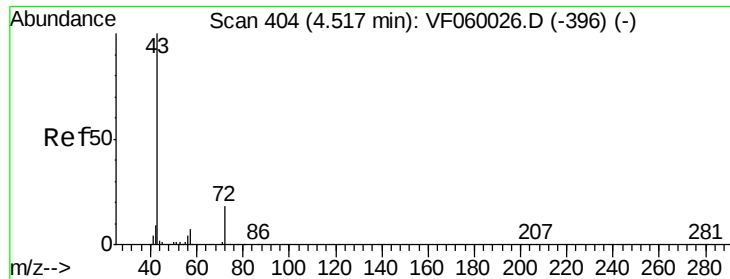
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.46 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 107645

Ion Ratio Lower Upper

43 100

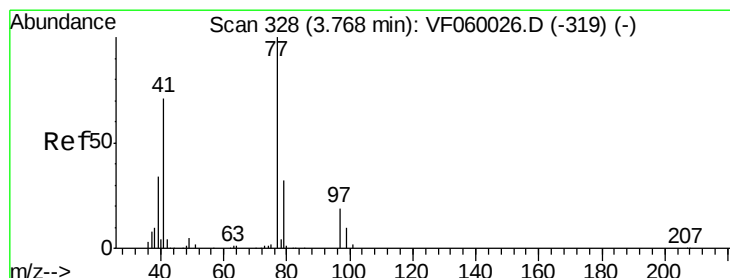
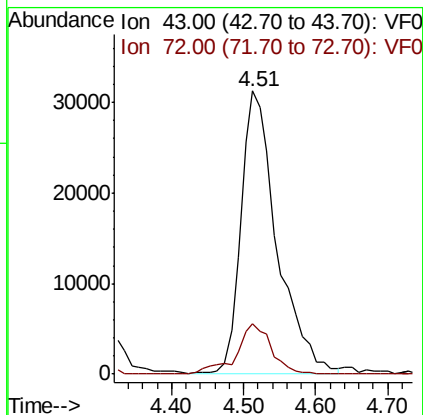
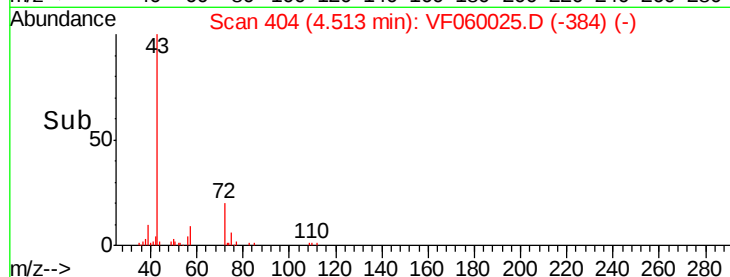
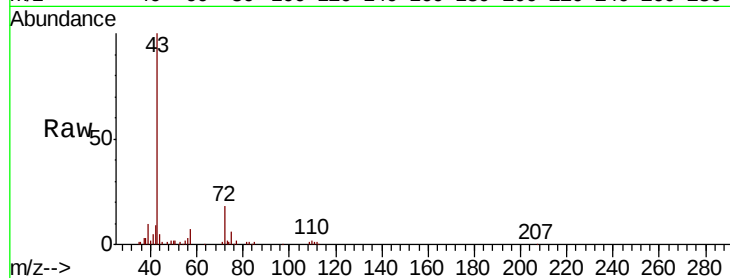
72 17.7 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.80 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060025.D

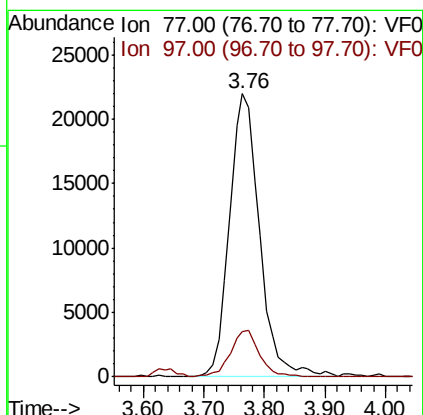
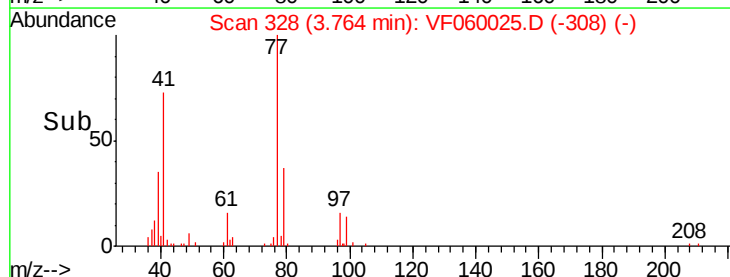
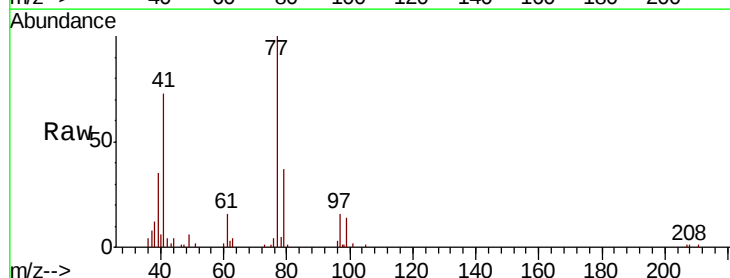
Acq: 21 Aug 2018 17:55

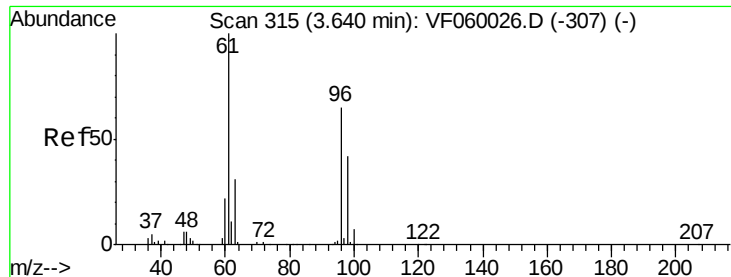
Tgt Ion: 77 Resp: 75947

Ion Ratio Lower Upper

77 100

97 17.0 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 21.34 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

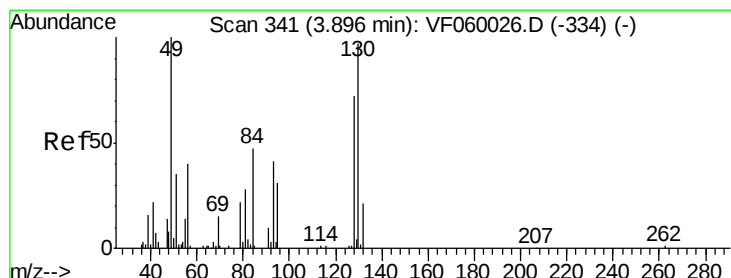
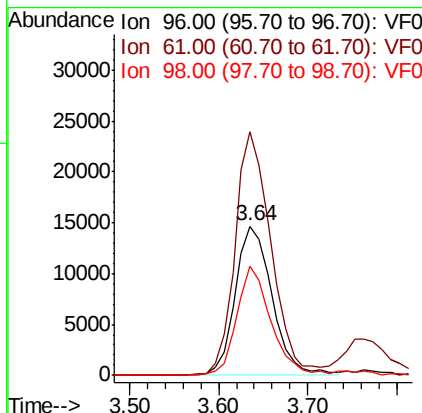
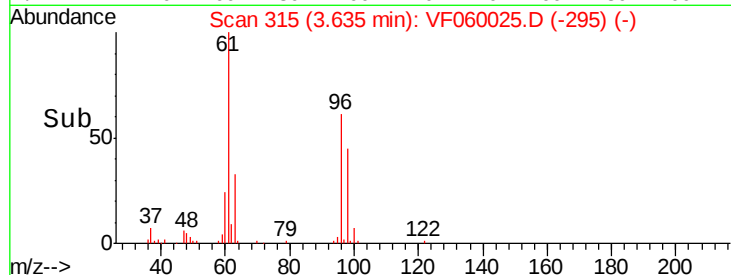
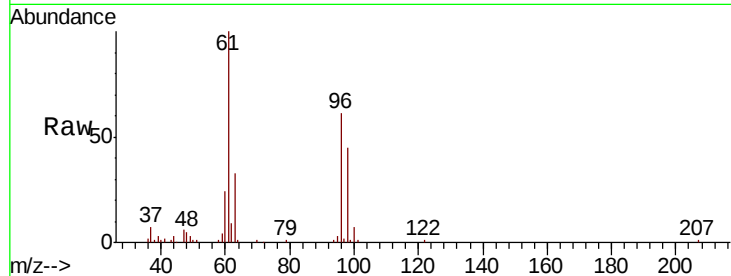
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	42445
Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	307.6
98	72.9	0.0	128.4

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#28

Bromochloromethane

Concen: 22.25 ug/l

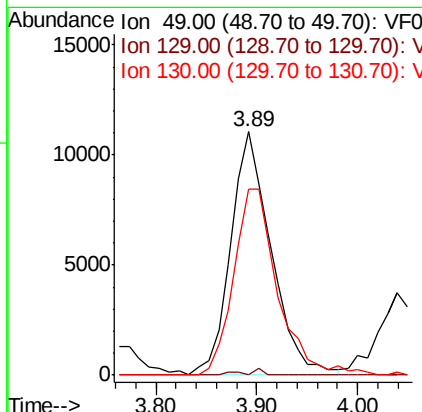
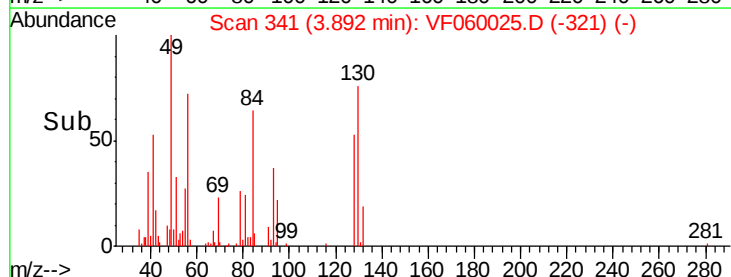
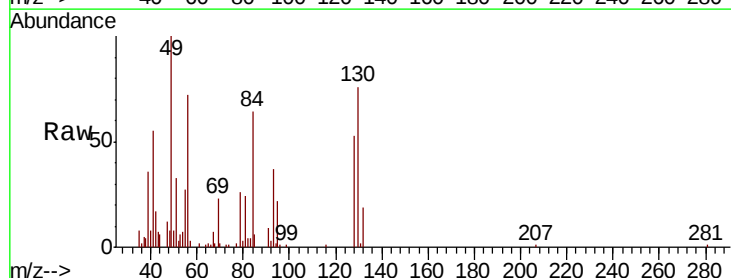
RT: 3.89 min Scan# 341

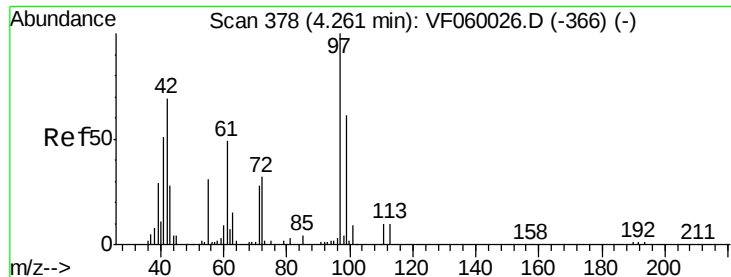
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	49	Resp:	30711
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	76.4	78.0	117.0#





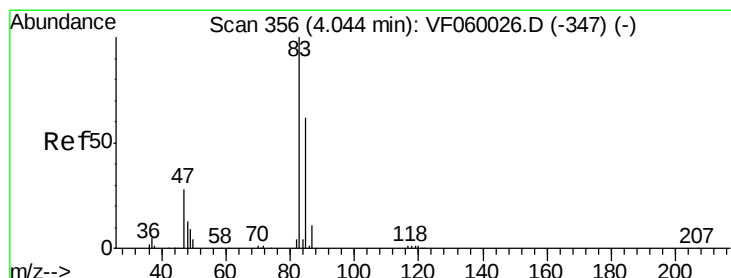
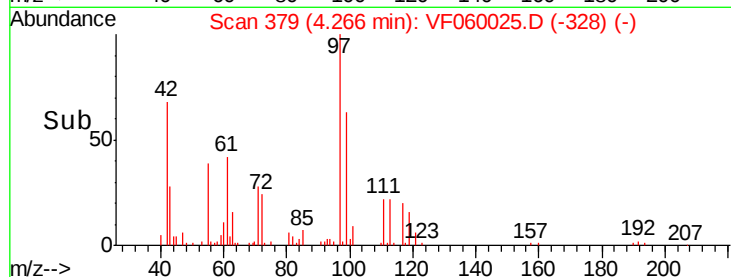
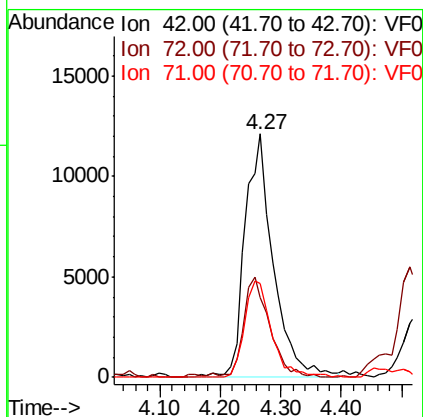
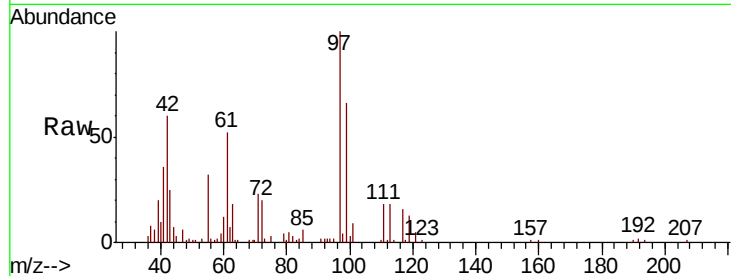
#29
Tetrahydrofuran
Concen: 109.82 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.4	47.2
71	38.0	29.7	44.5

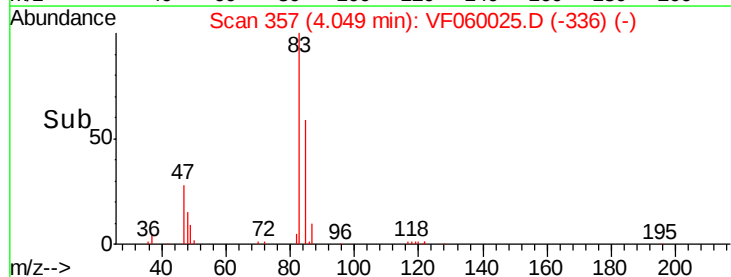
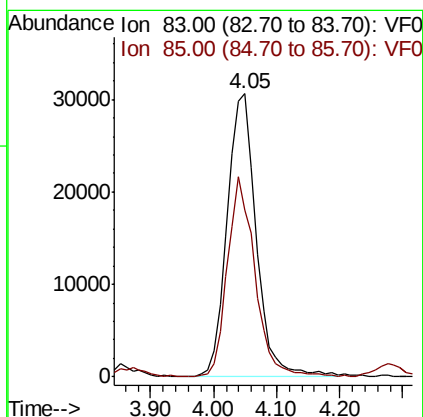
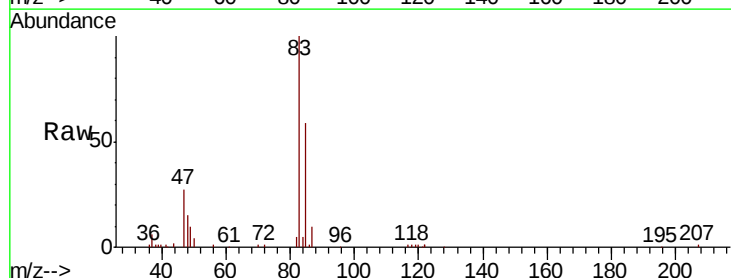
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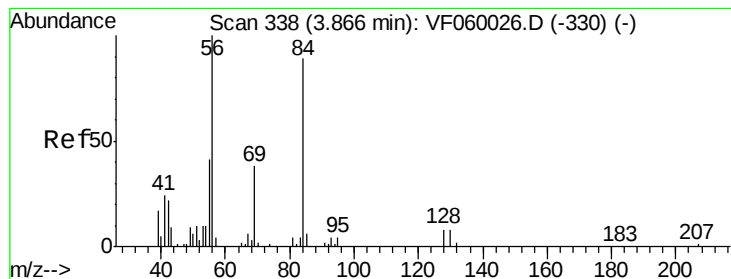
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#30
Chloroform
Concen: 18.26 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	49.5	74.3





#31

Cyclohexane

Concen: 25.01 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

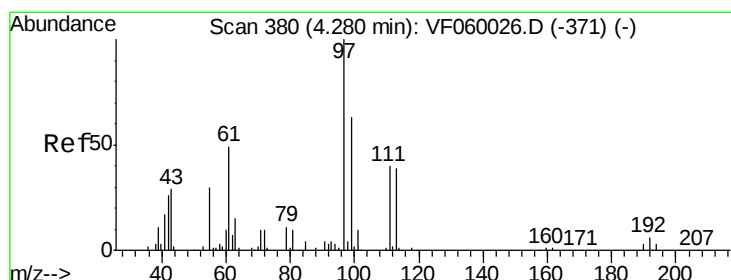
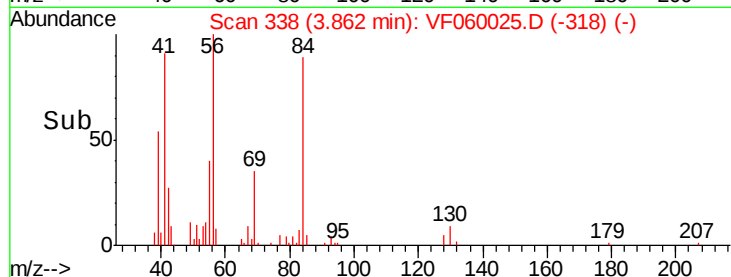
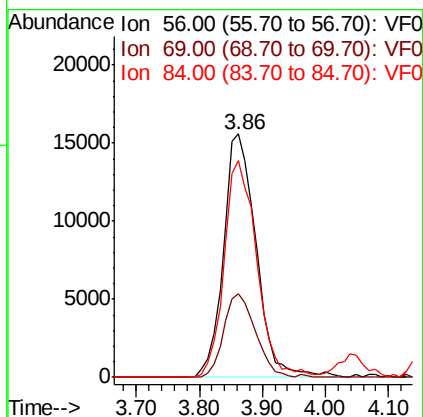
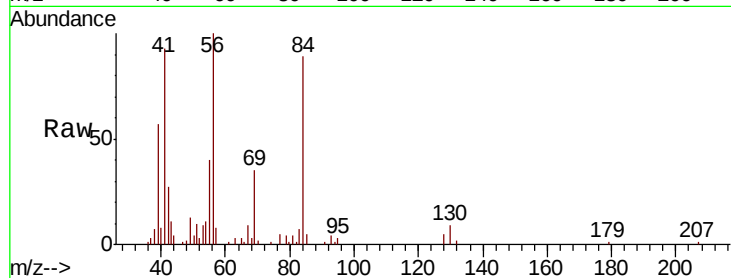
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	55918
Ion Ratio	Lower	Upper	
56	100		
69	34.5	30.4	45.6
84	89.1	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 16.74 ug/l

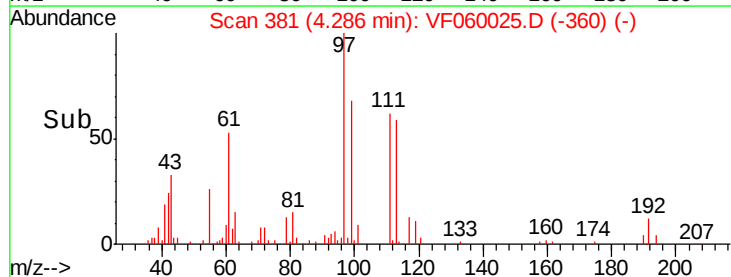
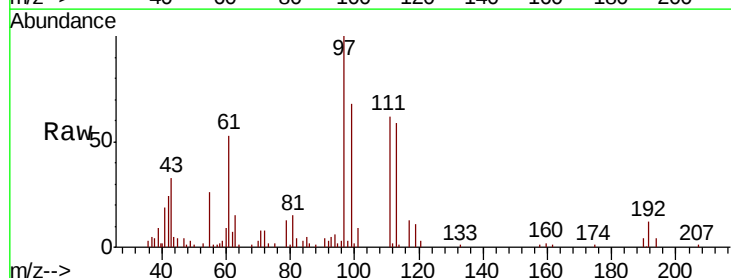
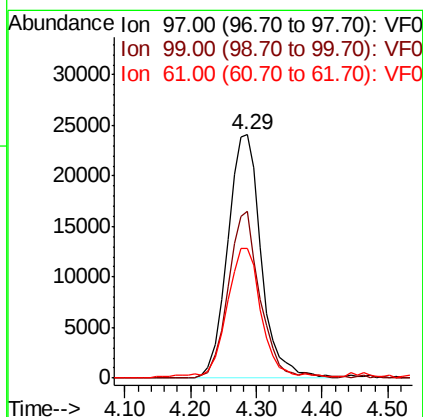
RT: 4.29 min Scan# 381

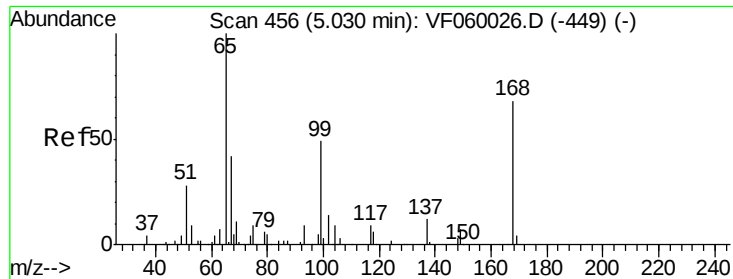
Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	97	Resp:	85807
Ion Ratio	Lower	Upper	
97	100		
99	68.4	50.3	75.5
61	53.3	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 16.06 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 62660

Ion Ratio Lower Upper

65 100

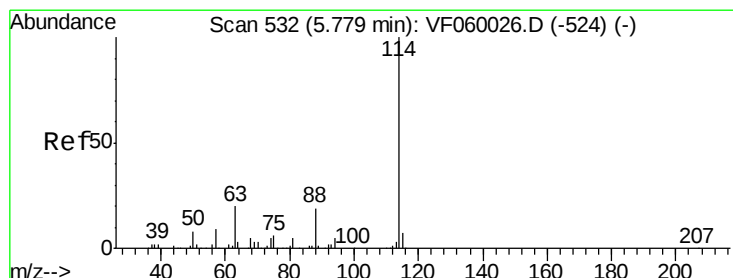
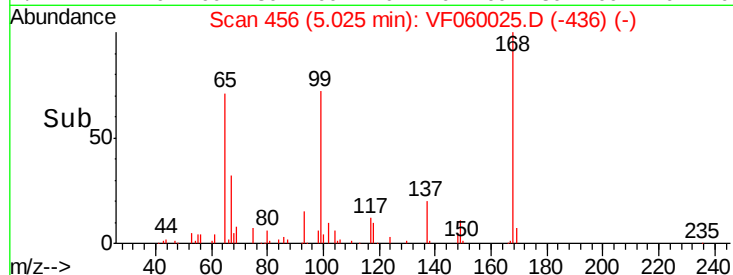
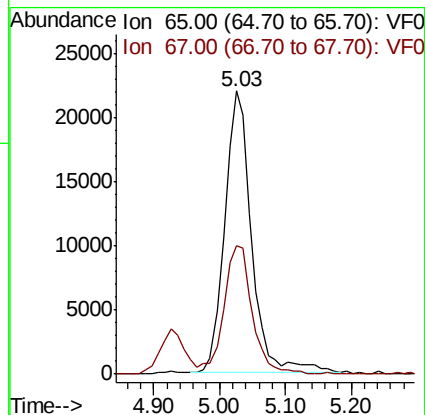
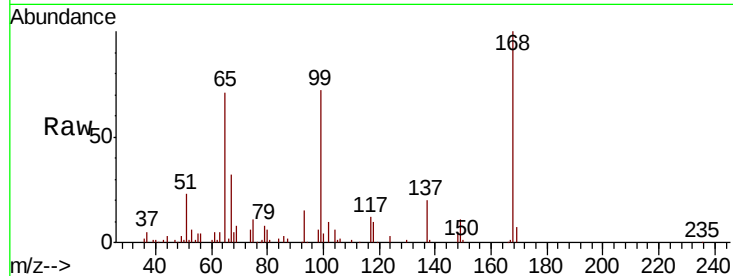
67 45.5 0.0 92.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

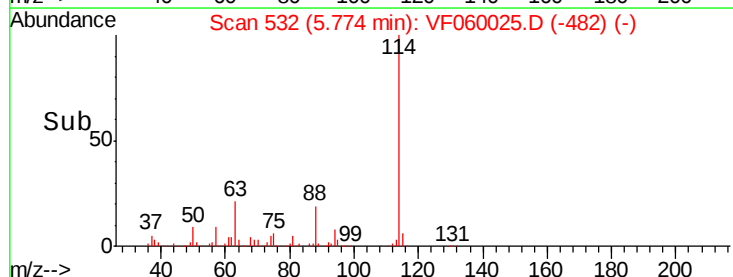
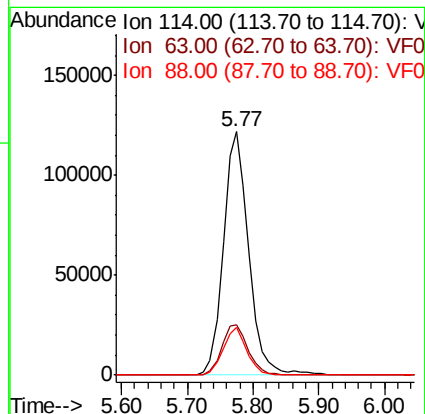
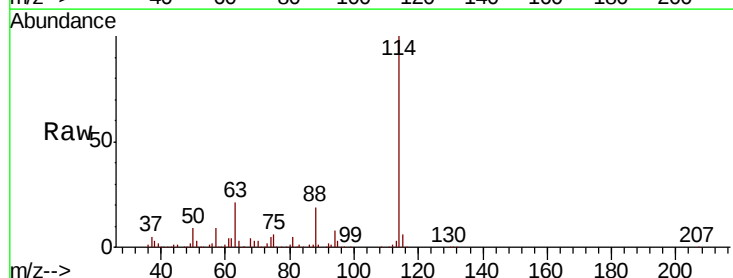
Tgt Ion: 114 Resp: 324566

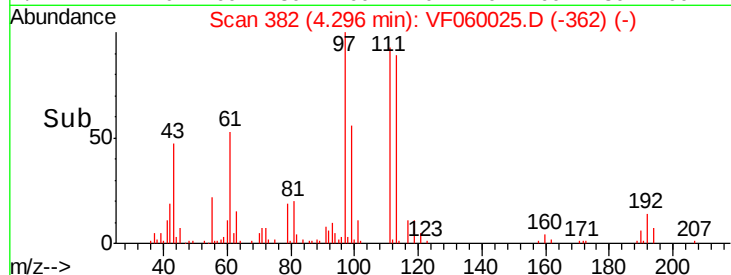
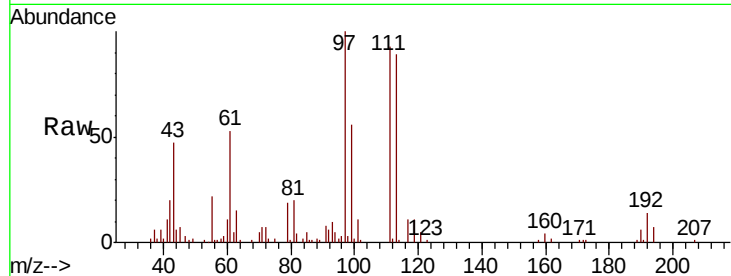
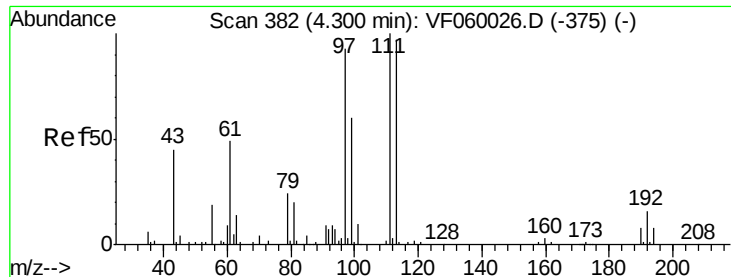
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.4

88 19.4 0.0 38.6





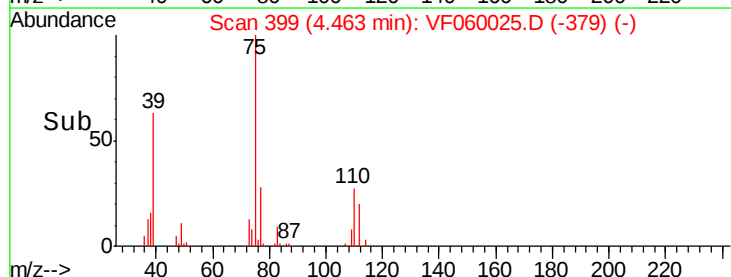
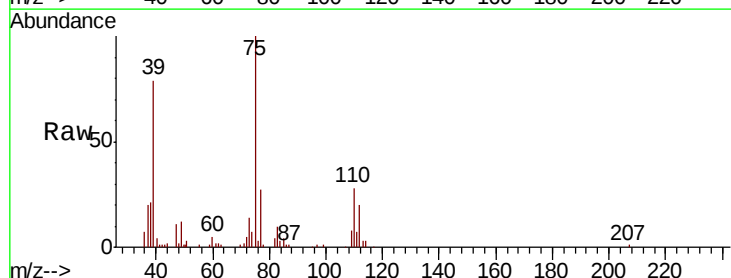
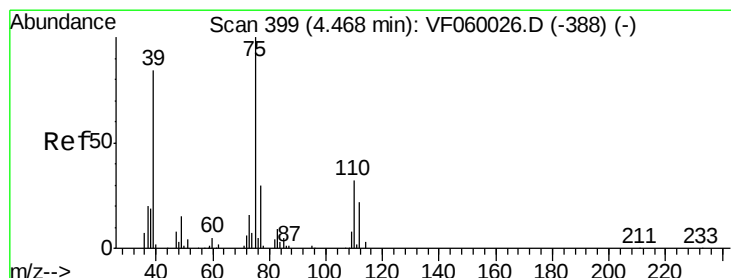
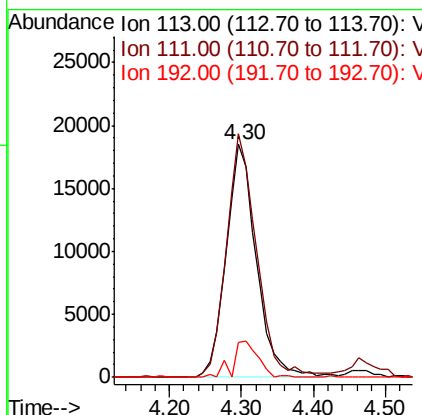
#35
Dibromofluoromethane
Concen: 16.89 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	53885		
111	104.5	82.7	124.1	
192	15.3	13.0	19.4	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

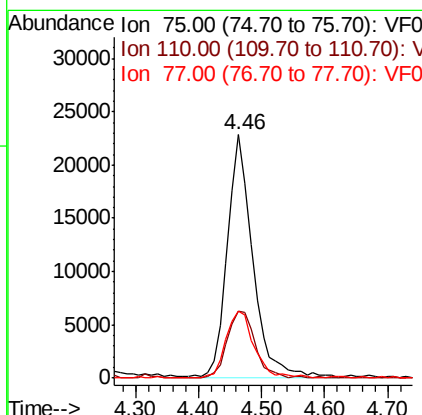
Manual Integrations
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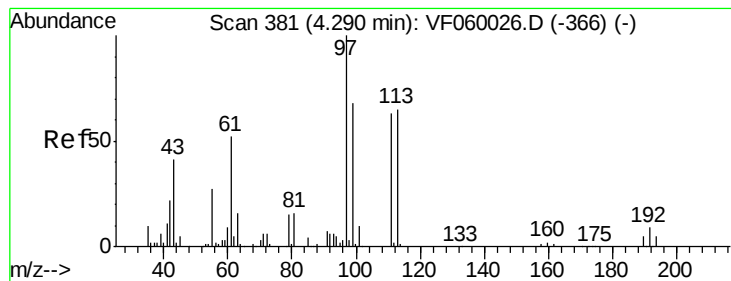
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#36
1,1-Dichloropropene
Concen: 17.68 ug/l
RT: 4.46 min Scan# 399
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64347		
110	27.5	16.0	47.9	
77	27.5	24.1	36.1	





#37

Ethyl Acetate

Concen: 19.78 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

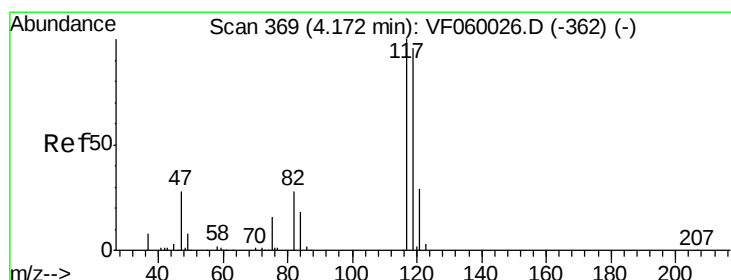
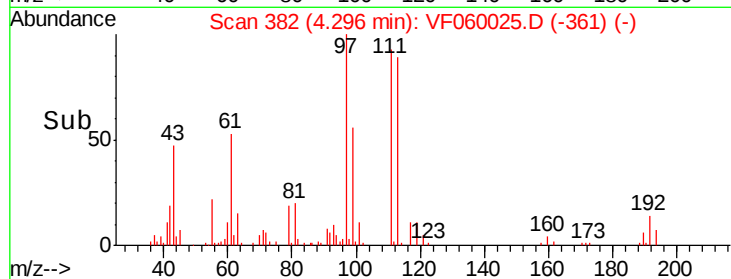
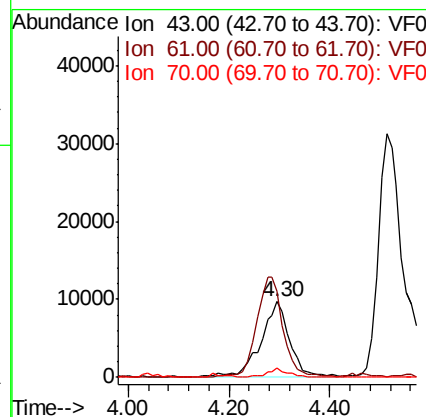
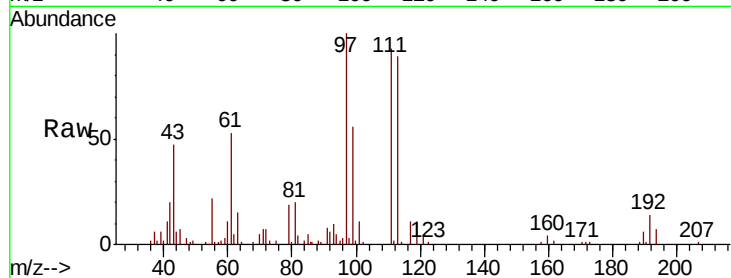
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	39375
Ion	Ratio	Lower	Upper
43	100		
61	114.5	101.5	152.3
70	11.7	6.4	9.6#

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#38

Carbon Tetrachloride

Concen: 15.06 ug/l

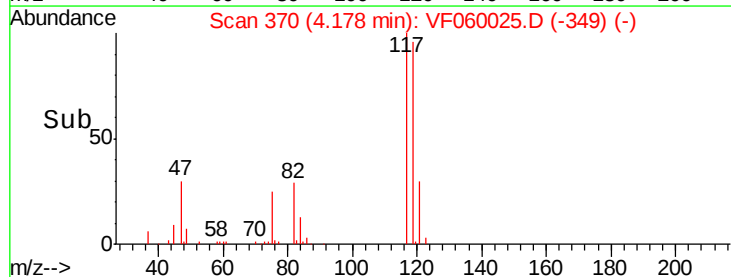
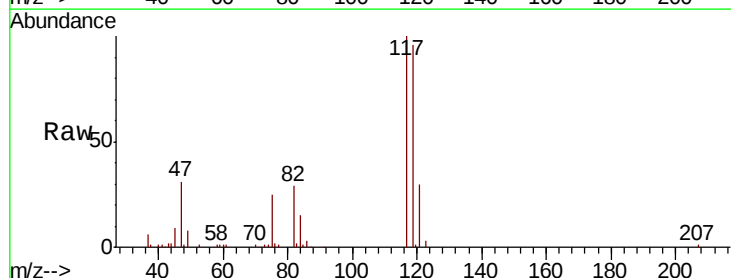
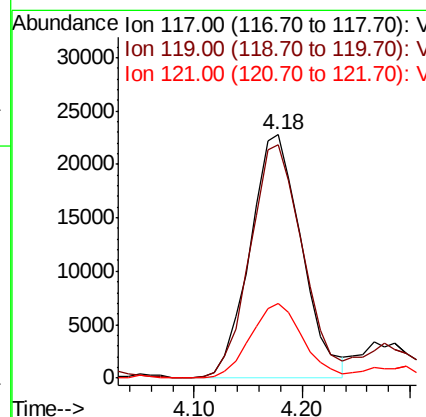
RT: 4.18 min Scan# 370

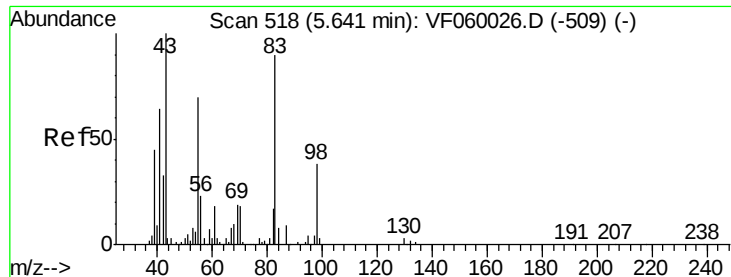
Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	117	Resp:	75637
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
121	30.5	23.0	34.6





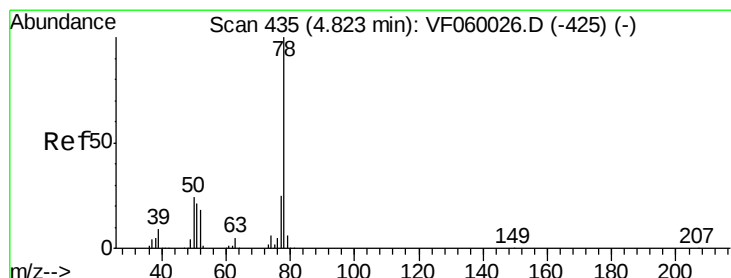
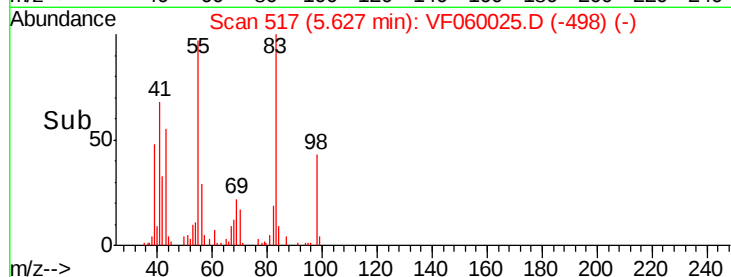
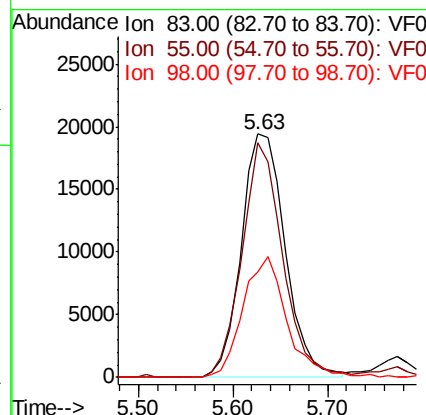
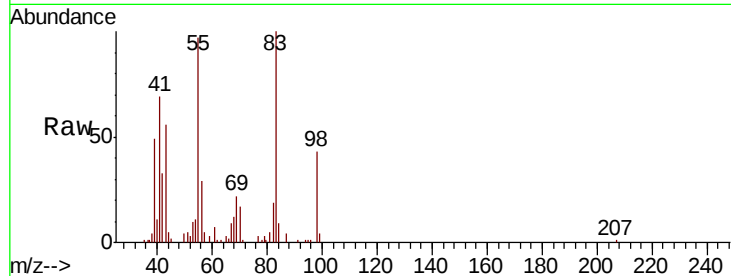
#39
Methvlcvclohexane
Concen: 22.51 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.6	62.7	94.1#
98	43.2	33.8	50.8

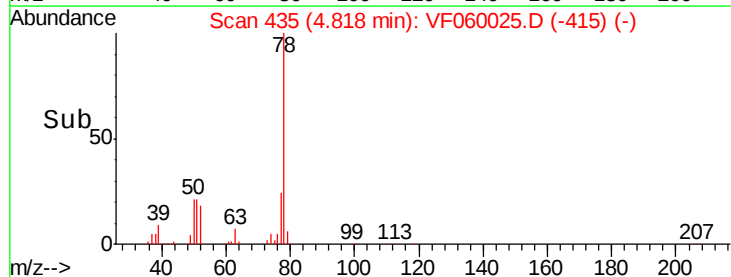
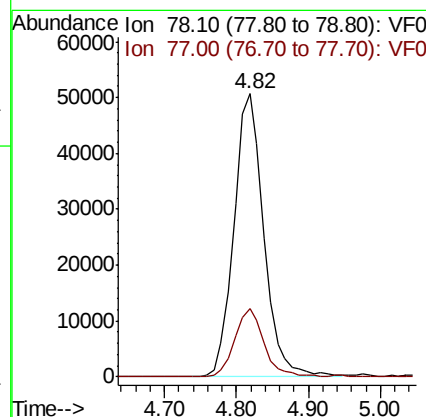
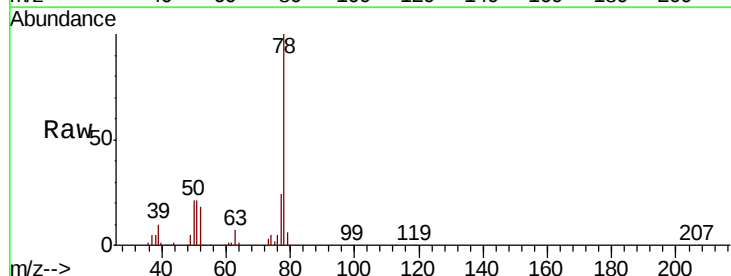
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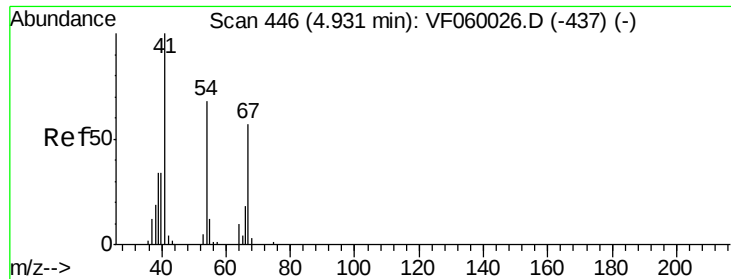
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#40
Benzene
Concen: 23.35 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.6





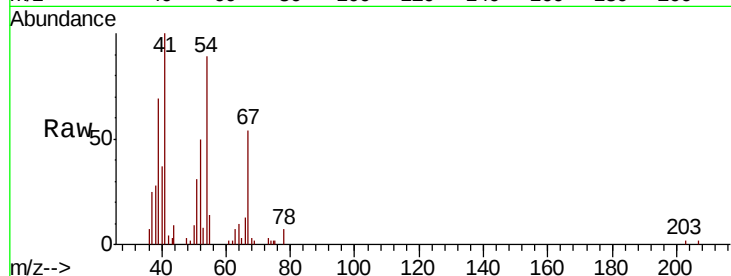
#41
Methacrylonitrile
Concen: 19.25 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.7	52.9	79.3
67	53.7	45.3	67.9
52	49.9	34.8	52.2

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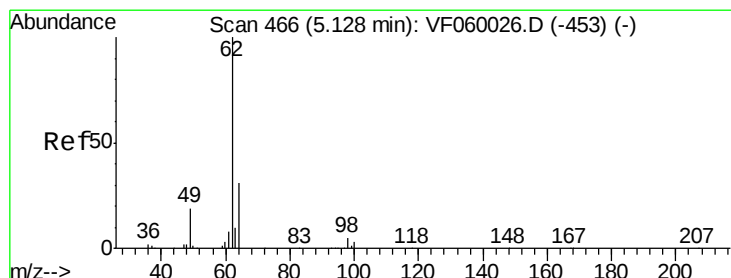
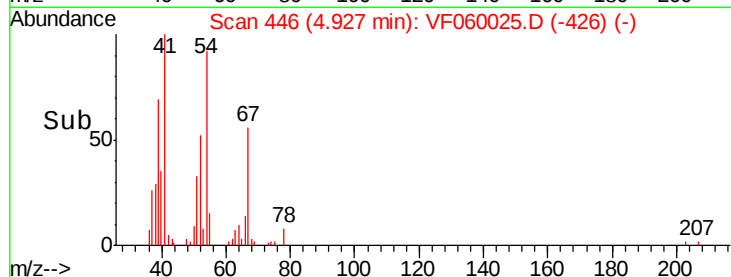
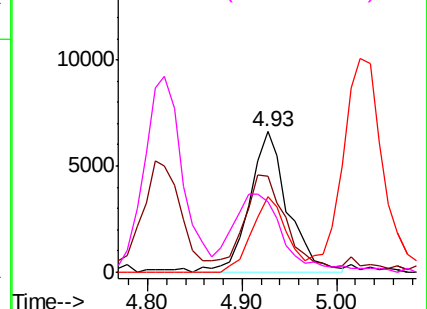
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

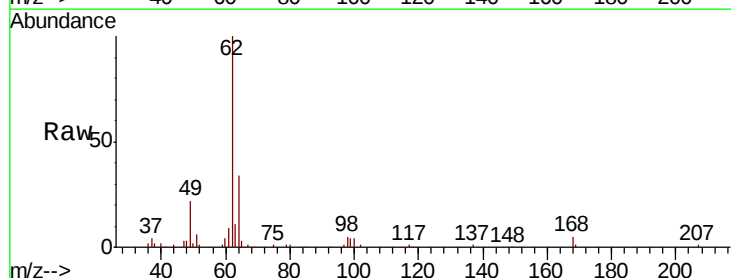
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 14.84 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

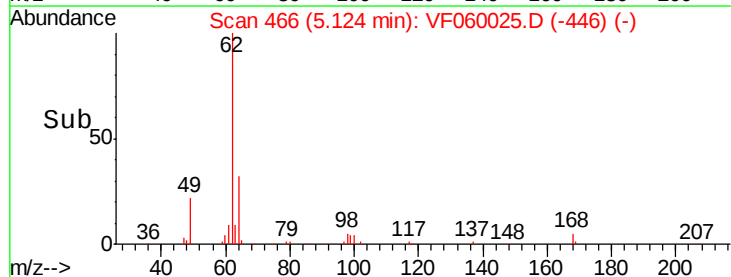
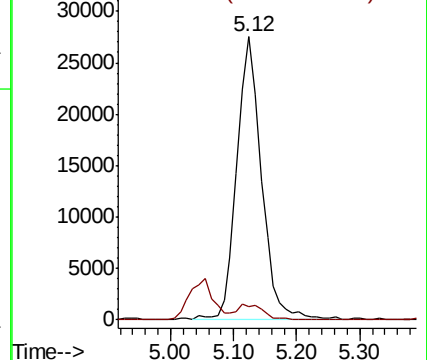
Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	11.2

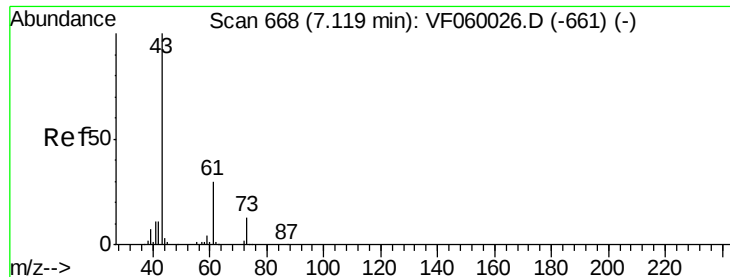


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

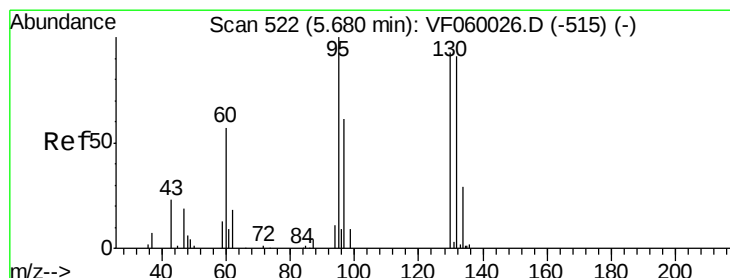
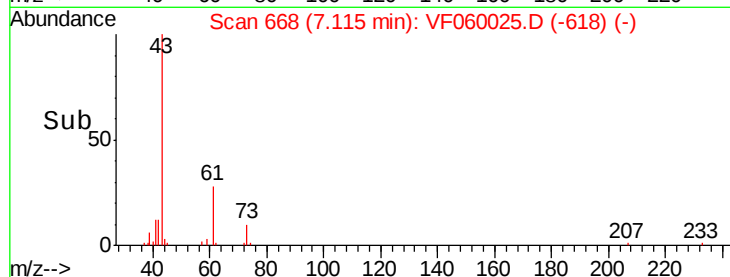
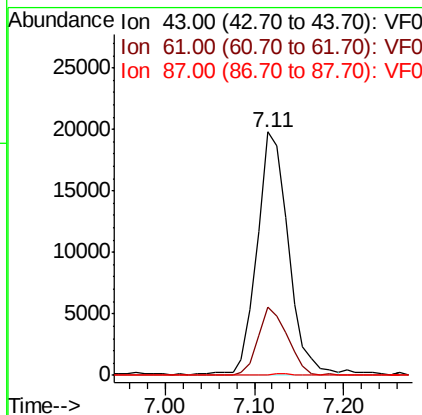
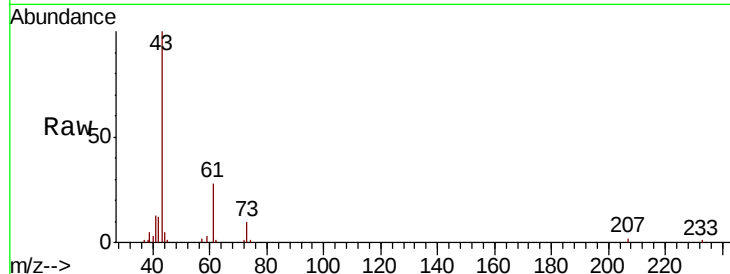
Isopropyl Acetate
 Concen: 21.28 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.8	35.6
87	0.0	0.2	0.4

Manual Integrations
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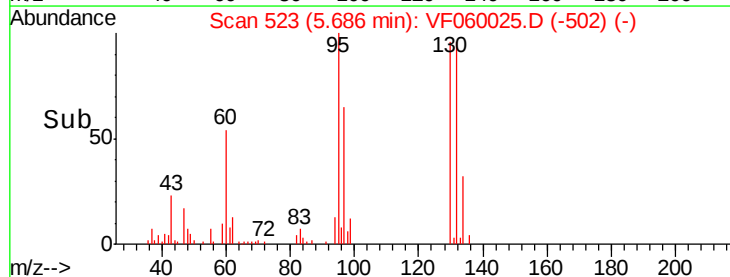
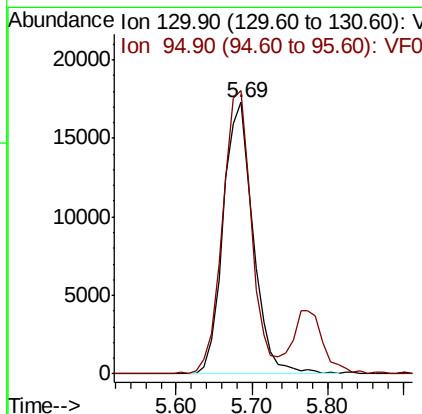
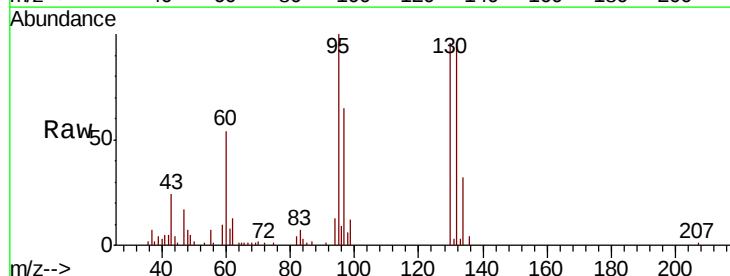
apatel
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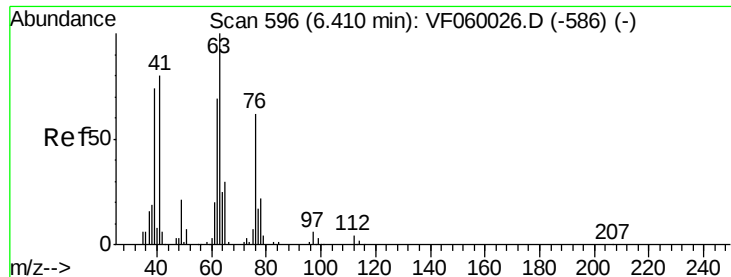


#44

Trichloroethene
 Concen: 19.76 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	215.8





#45

1,2-Dichloropropane

Concen: 22.32 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 40287

Ion Ratio Lower Upper

63 100

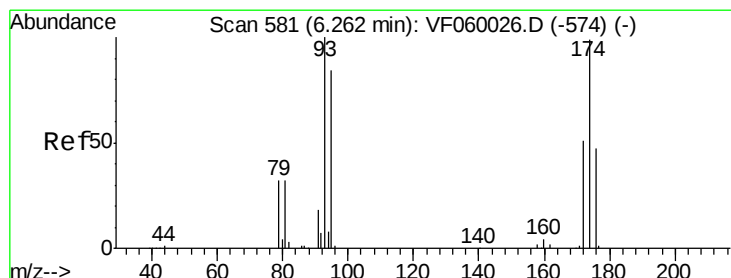
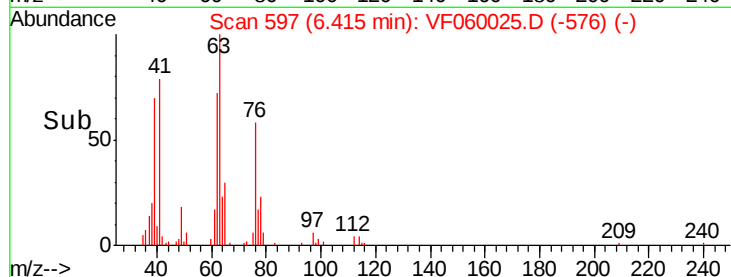
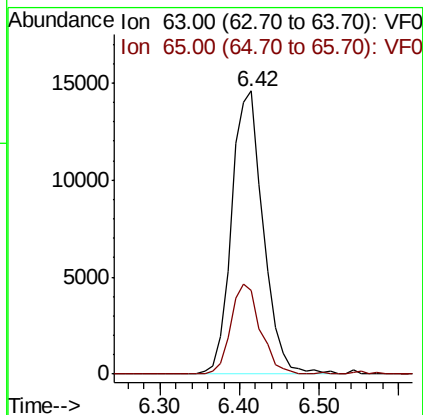
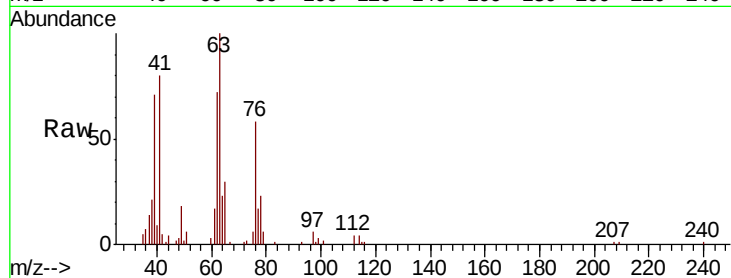
65 29.7 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 17.54 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

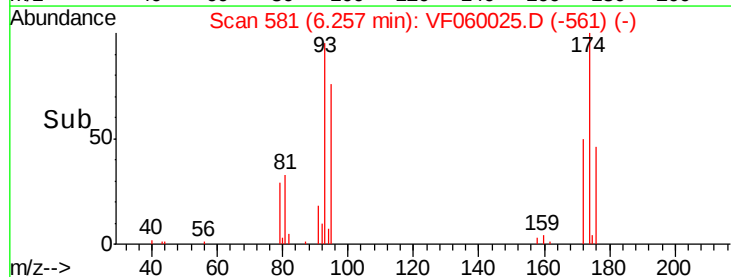
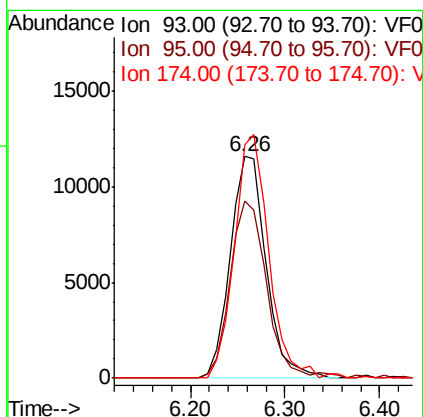
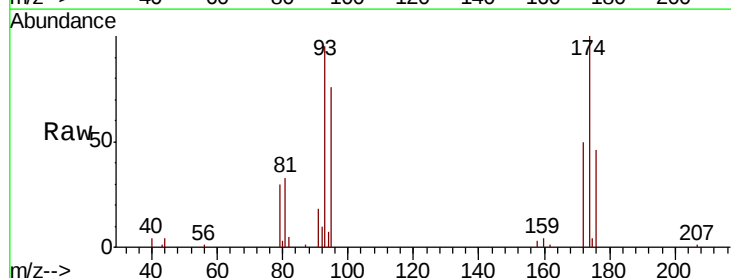
Tgt Ion: 93 Resp: 30312

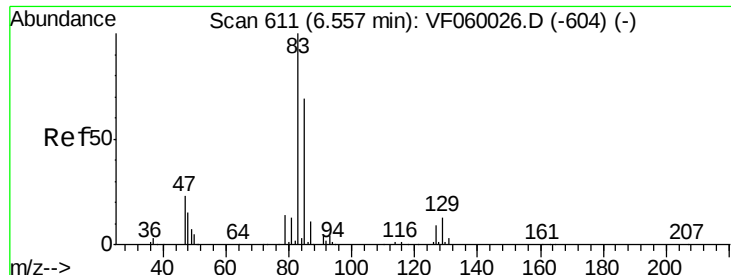
Ion Ratio Lower Upper

93 100

95 80.2 67.1 100.7

174 105.6 79.0 118.4





#47

Bromodichloromethane

Concen: 16.47 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

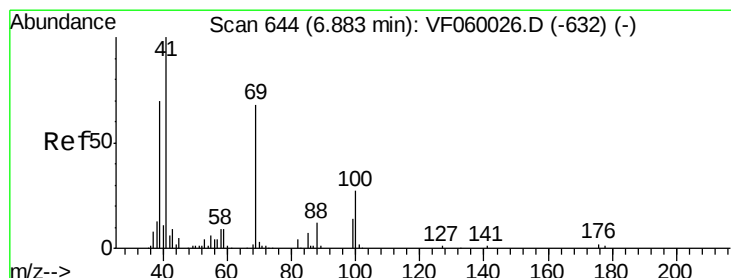
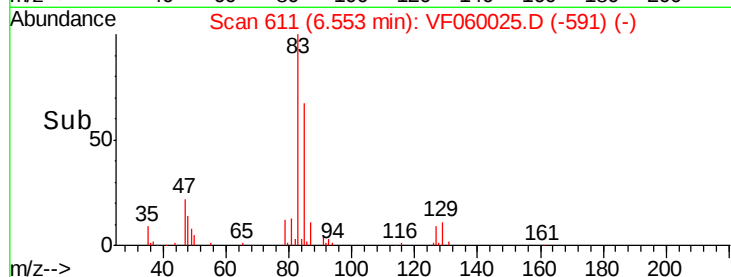
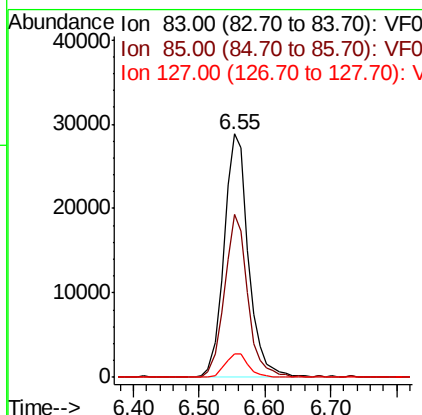
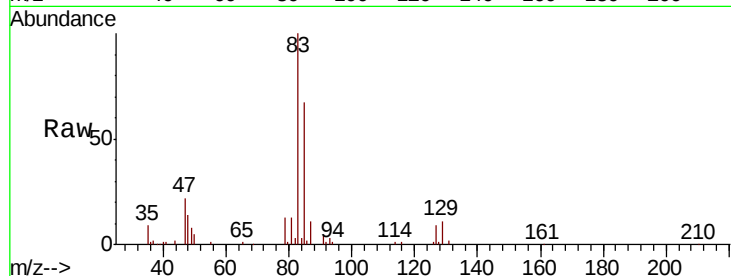
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	75000
Ion Ratio	Lower	Upper	
83	100		
85	66.8	55.2	82.8
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.31 ug/l

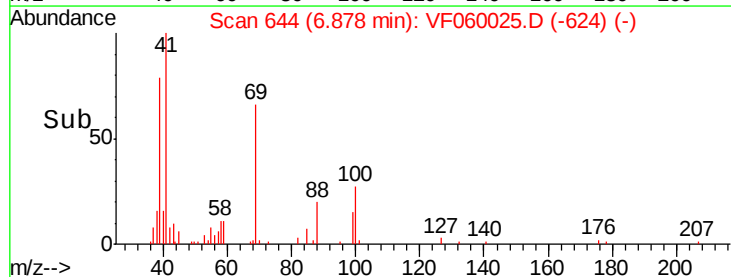
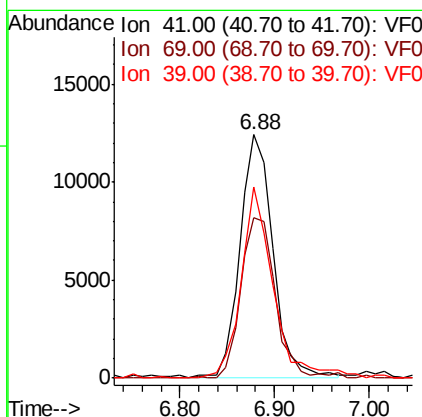
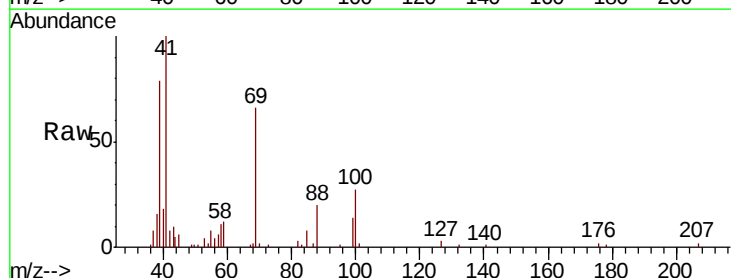
RT: 6.88 min Scan# 644

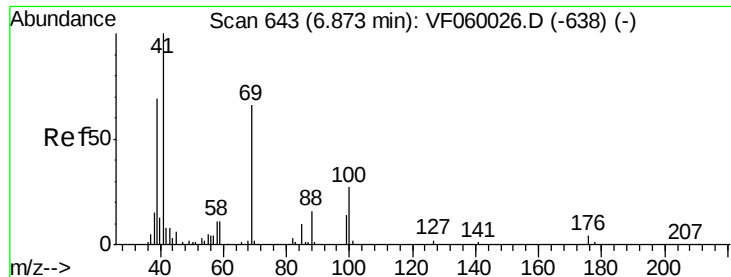
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	41	Resp:	30104
Ion Ratio	Lower	Upper	
41	100		
69	65.7	54.6	81.8
39	78.7	56.5	84.7





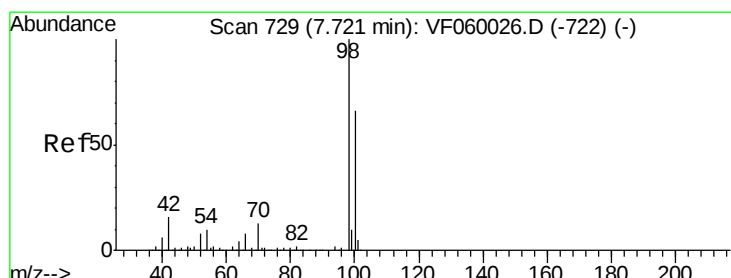
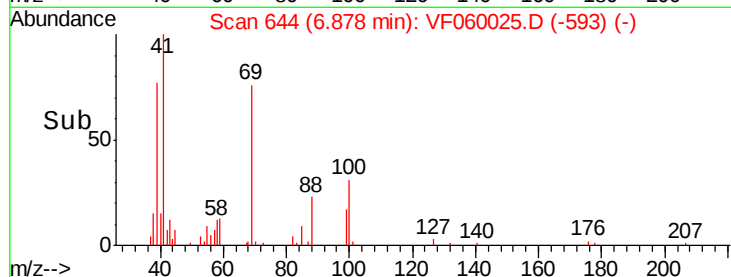
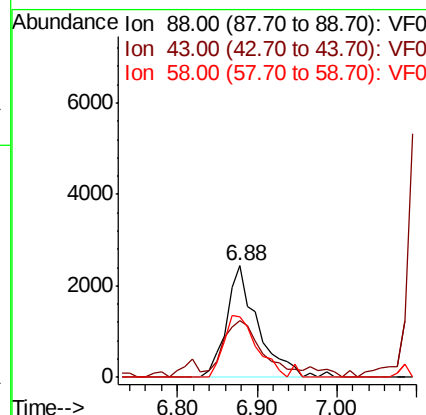
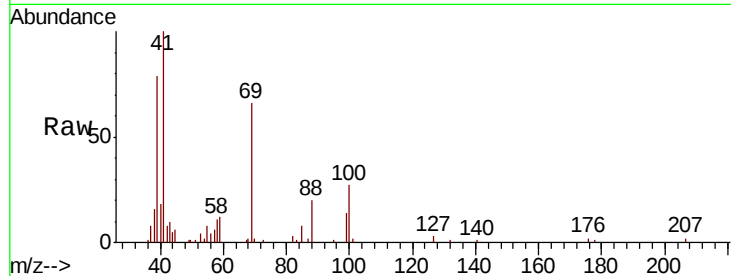
#49
1,4-Dioxane
Concen: 526.41 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6795		
43	50.6		46.5	69.7
58	54.2		54.8	82.2#

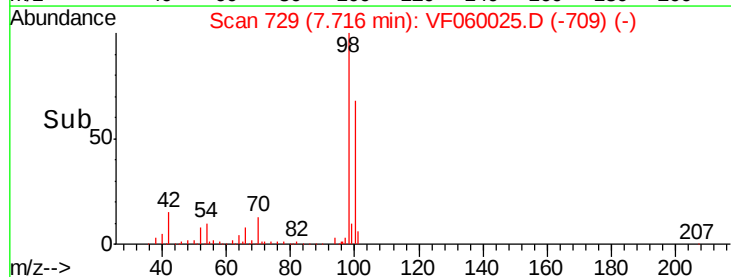
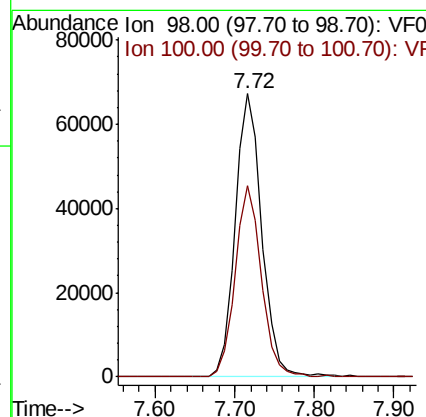
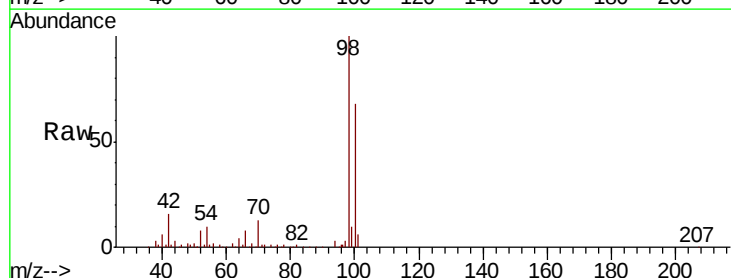
Manual Integrations
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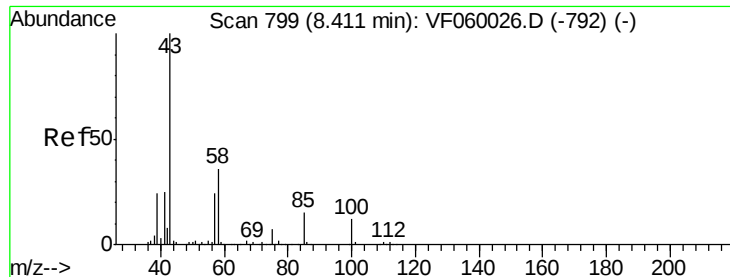
apatel
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#50
Toluene-d8
Concen: 21.52 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	157146		
100	67.6		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 102.38 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 213433

Ion Ratio Lower Upper

43 100

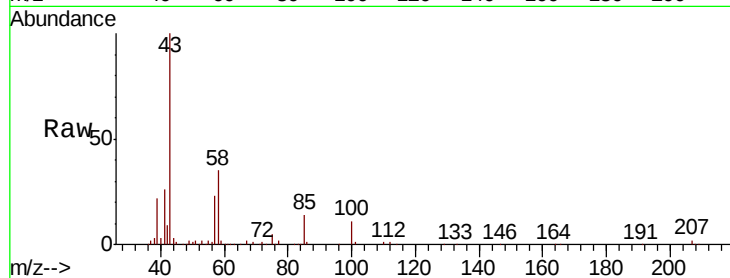
58 34.9 28.6 42.8

Manual Integrations

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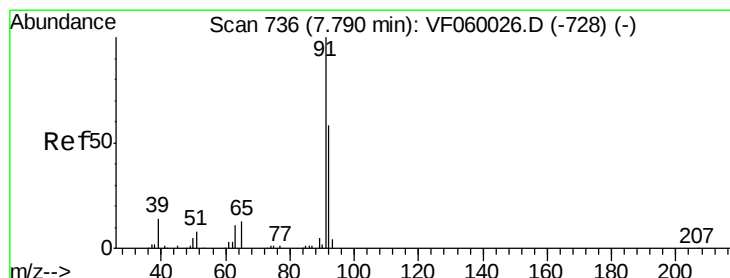
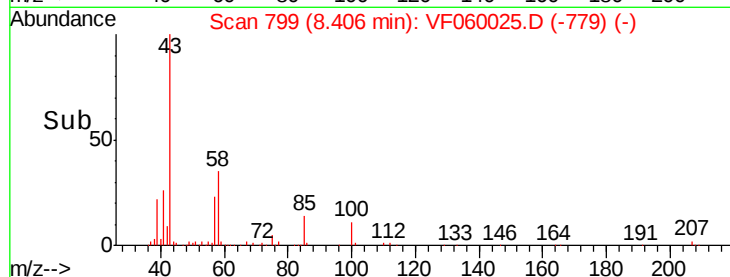
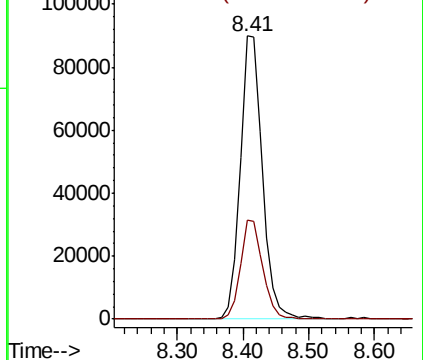
apatel

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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: 23.46 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060025.D

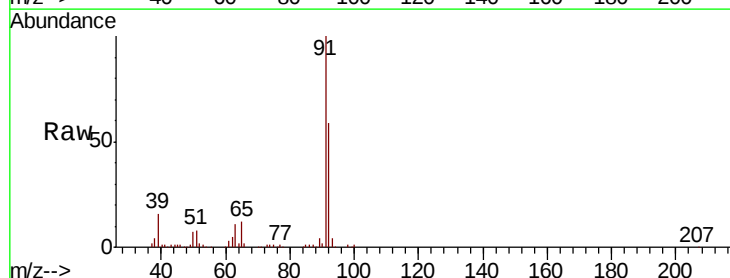
Acq: 21 Aug 2018 17:55

Tgt Ion: 92 Resp: 109690

Ion Ratio Lower Upper

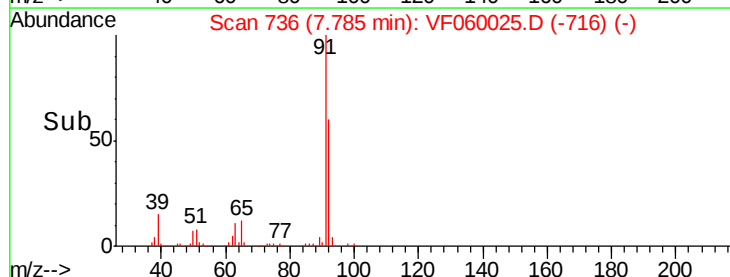
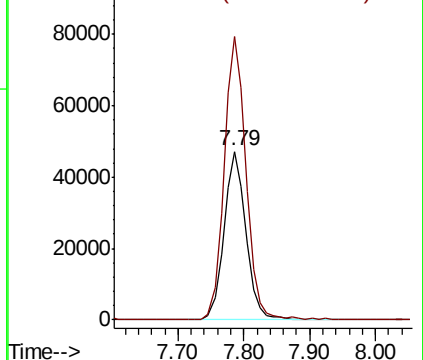
92 100

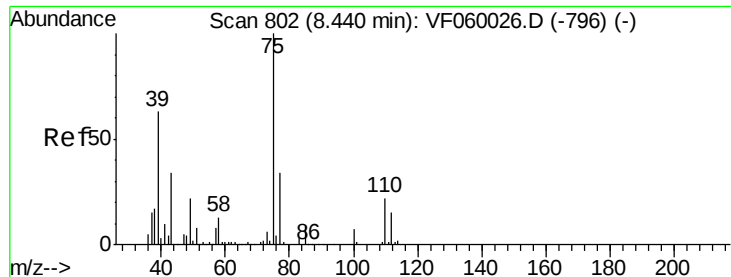
91 168.1 137.7 206.5



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: 18.13 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 70227

Ion Ratio Lower Upper

75 100

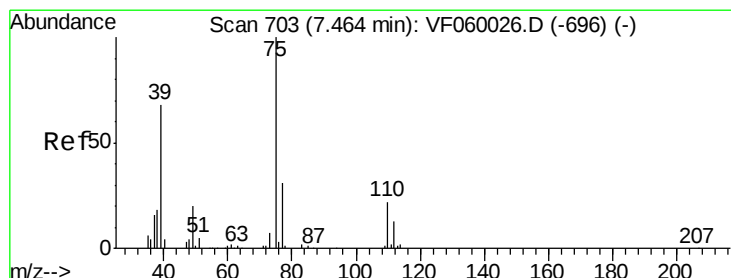
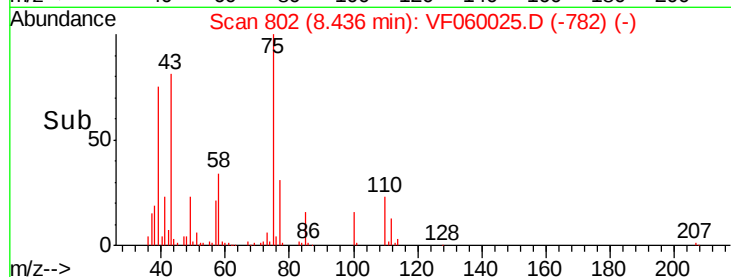
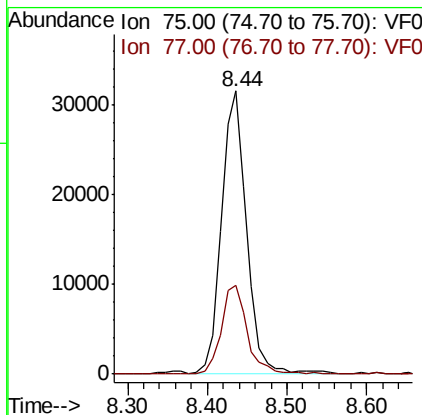
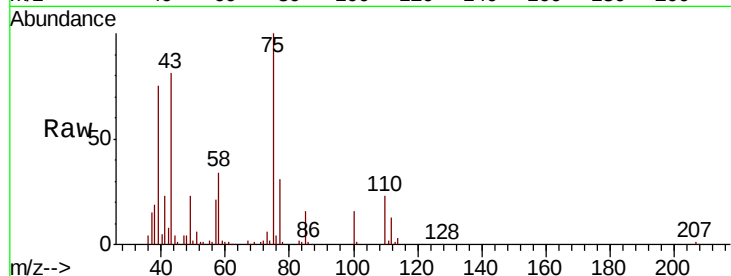
77 31.3 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 20.53 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

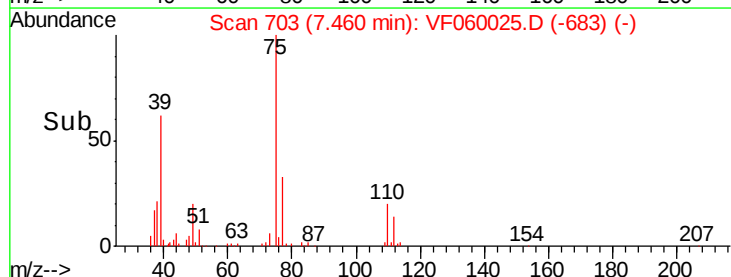
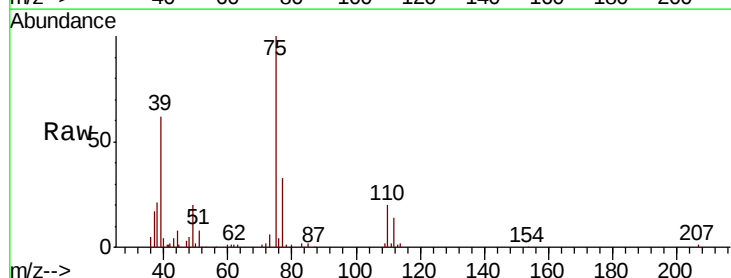
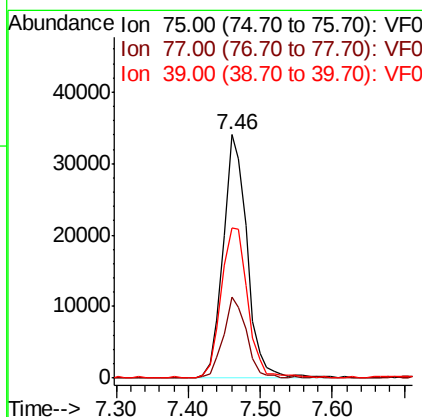
Tgt Ion: 75 Resp: 78582

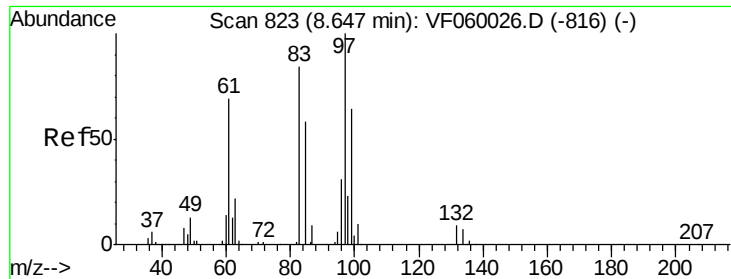
Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0

39 61.9 54.6 81.8





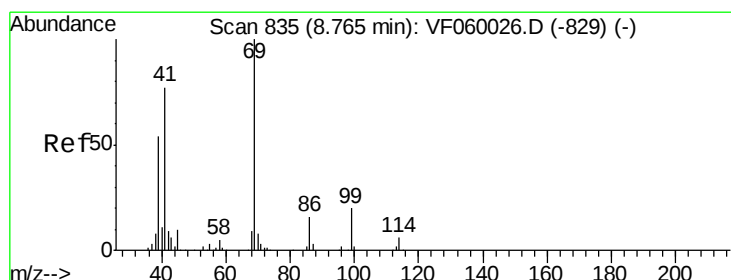
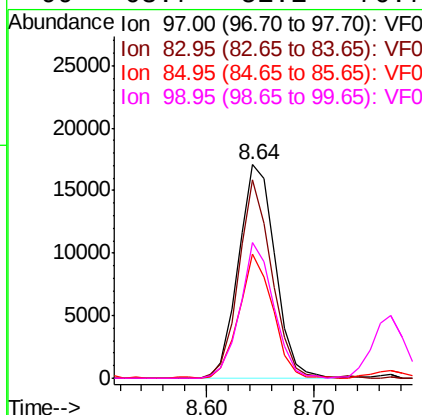
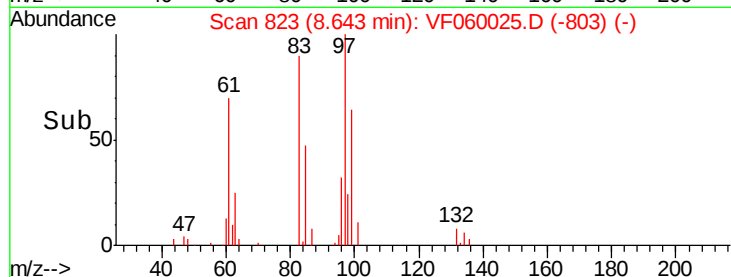
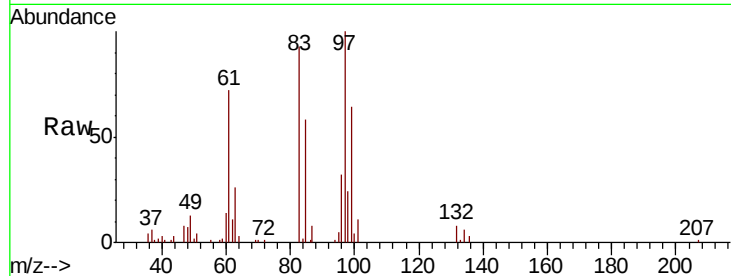
#55
 1,1,2-Trichloroethane
 Concen: 21.47 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	40122
Ion	Ratio	Lower	Upper
97	100		
83	92.6	67.4	101.2
85	58.2	46.2	69.2
99	63.7	51.1	76.7

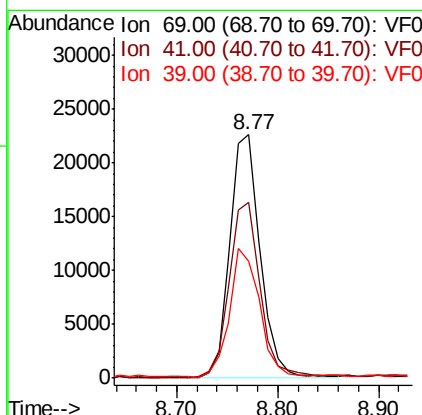
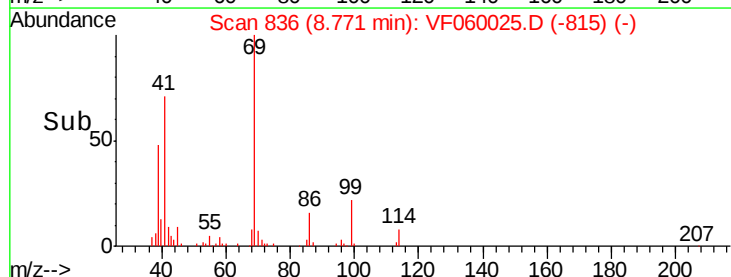
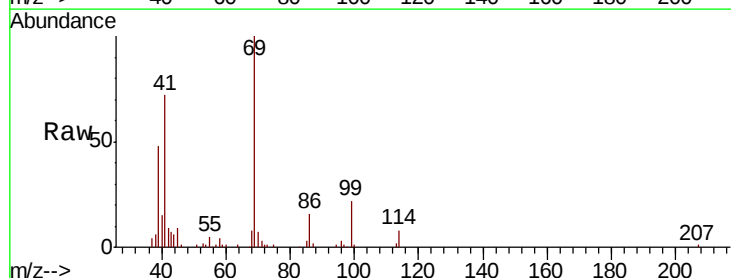
Manual Integrations
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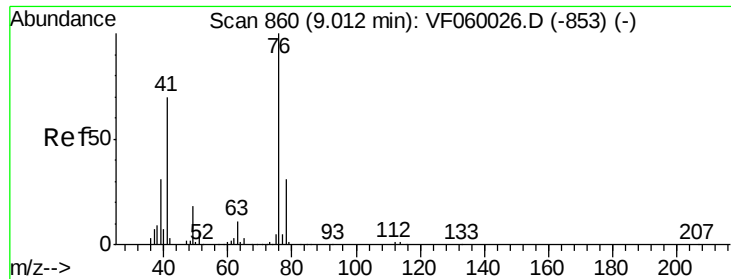
apatel
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#56
 Ethyl methacrylate
 Concen: 21.78 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion:	69	Resp:	47399
Ion	Ratio	Lower	Upper
69	100		
41	72.3	61.6	92.4
39	48.3	43.9	65.9





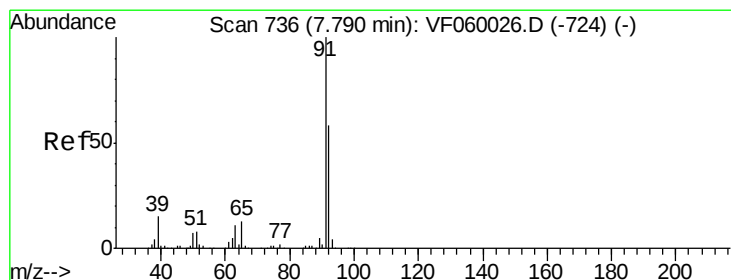
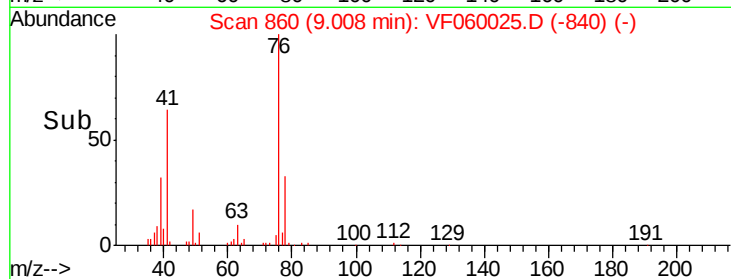
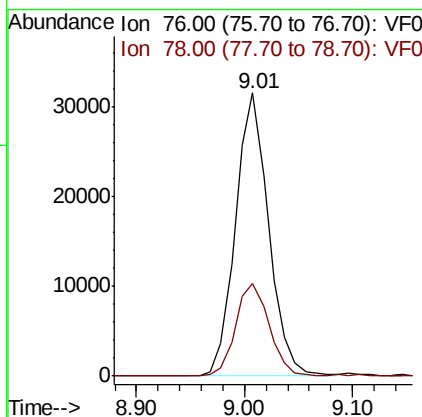
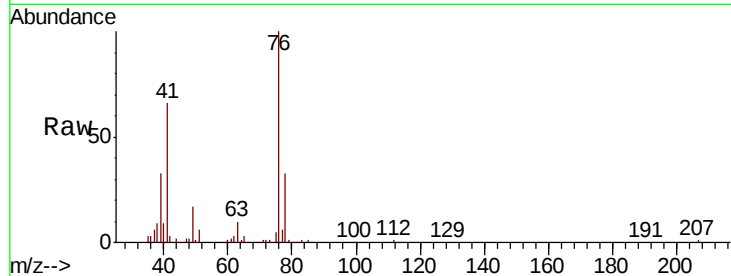
#57
 1,3-Dichloropropane
 Concen: 20.20 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.2	37.8

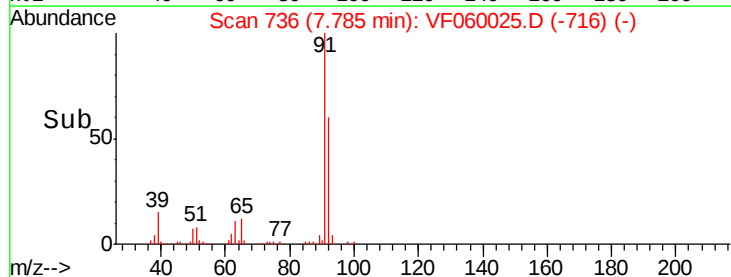
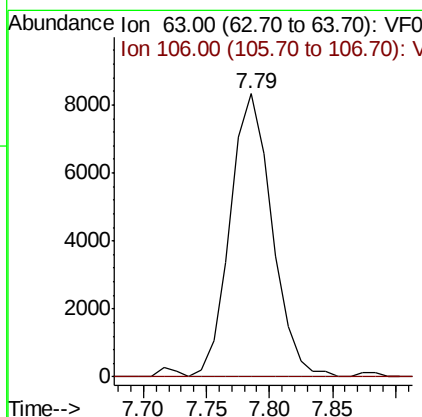
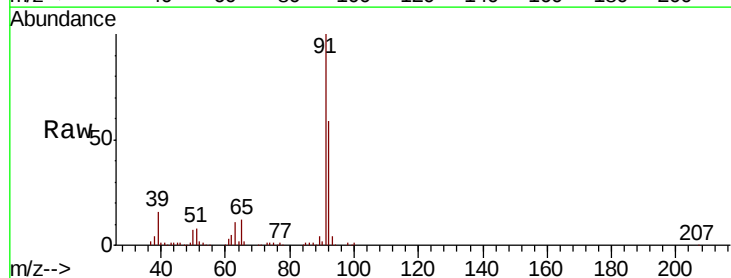
Manual Integrations
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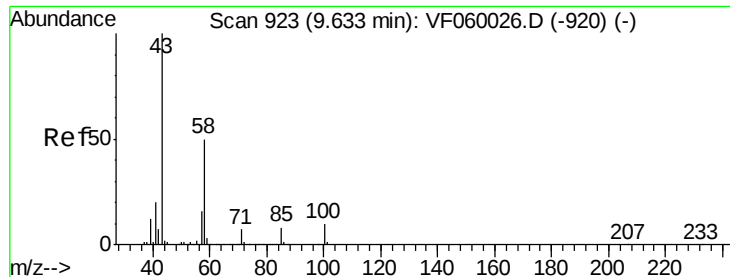
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.00 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





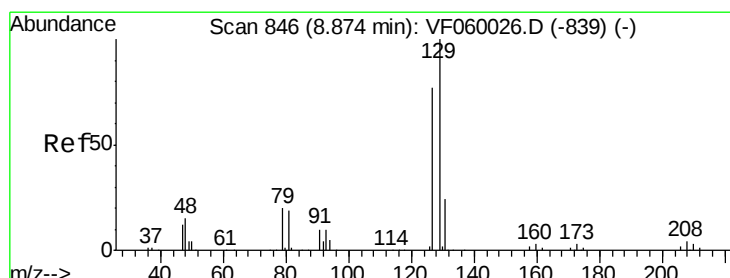
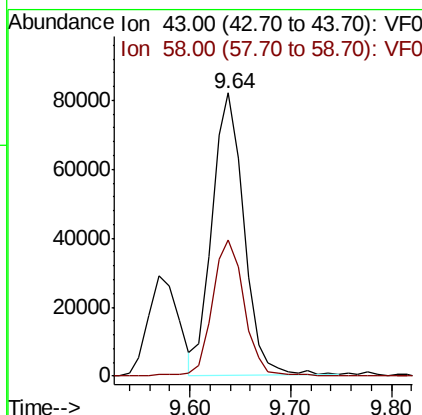
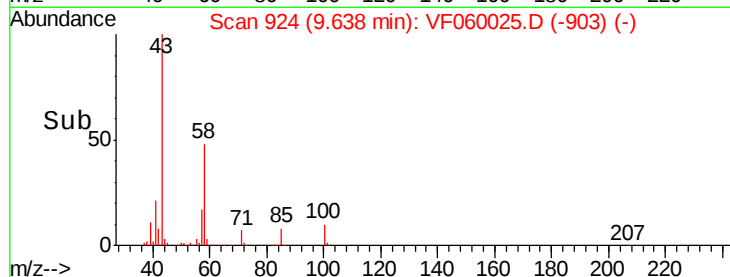
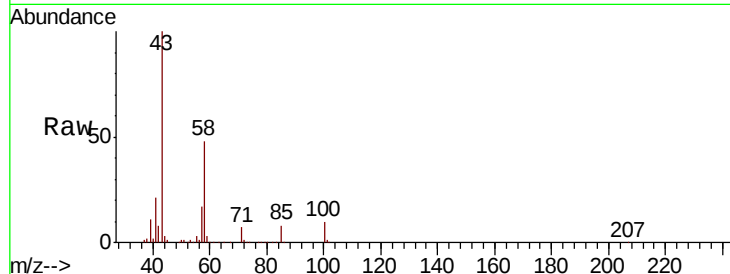
#59
2-Hexanone
Concen: 103.89 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	23.4	70.2

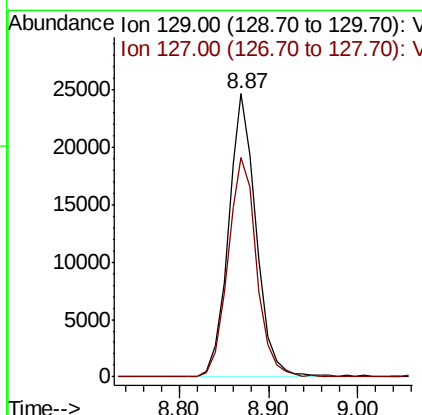
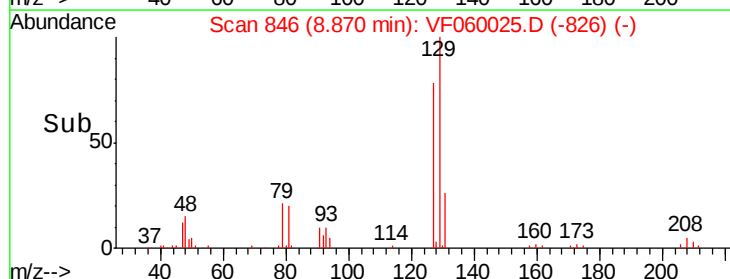
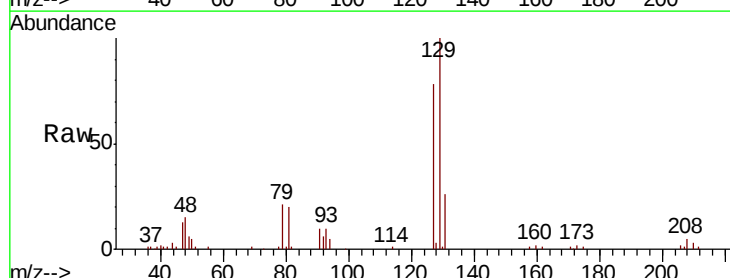
Manual Integrations
APPROVED

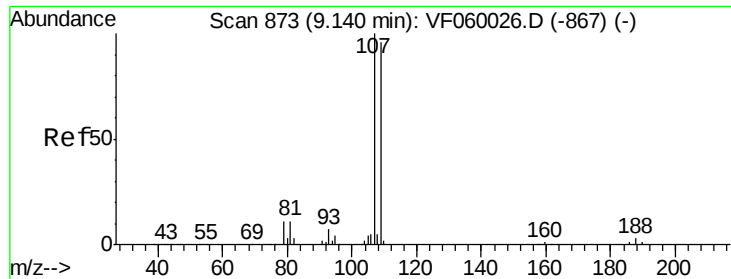
apatel
8/22/2018 11:24:00 AM



#60
Dibromochloromethane
Concen: 16.23 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8





#61

1,2-Dibromoethane

Concen: 19.16 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 44008

Ion Ratio Lower Upper

107 100

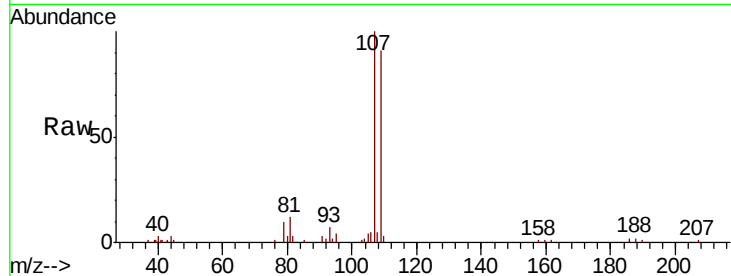
109 90.5 76.5 114.7

Manual Integrations

APPROVED

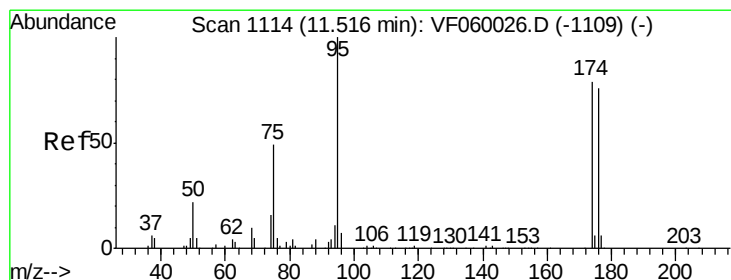
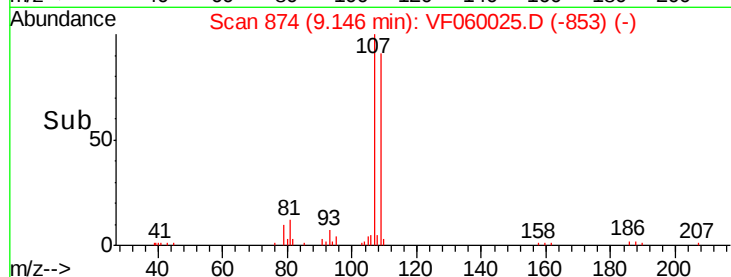
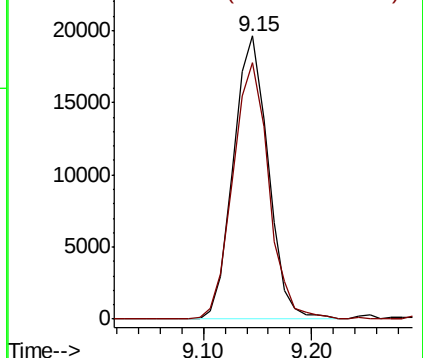
apatel

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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: 19.07 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

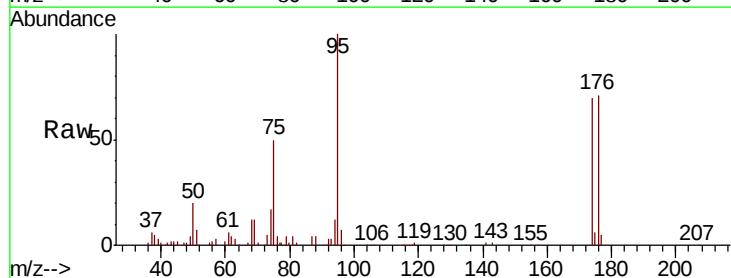
Tgt Ion: 95 Resp: 83303

Ion Ratio Lower Upper

95 100

174 70.0 0.0 158.4

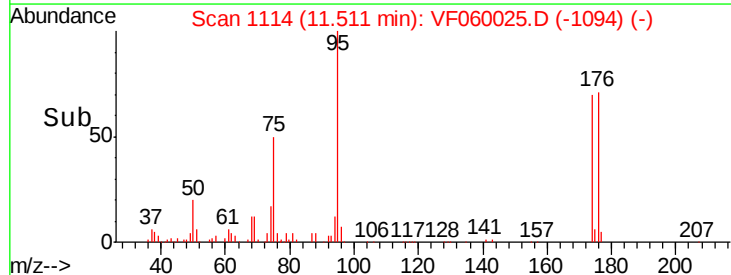
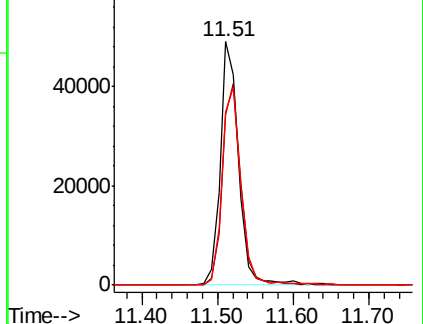
176 71.0 0.0 153.0

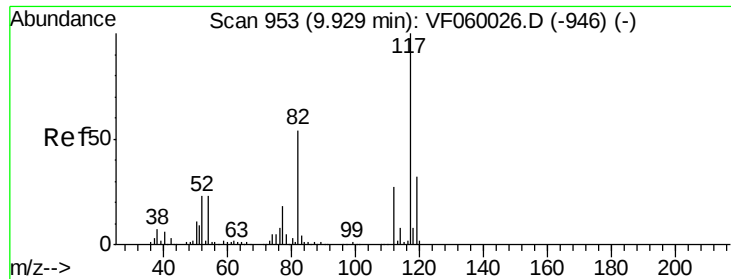


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





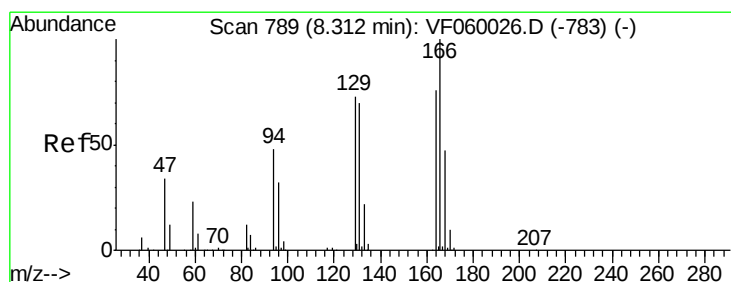
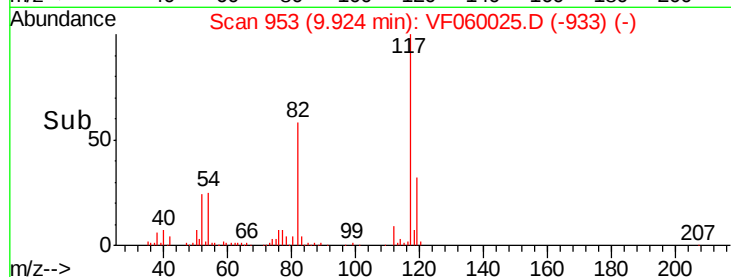
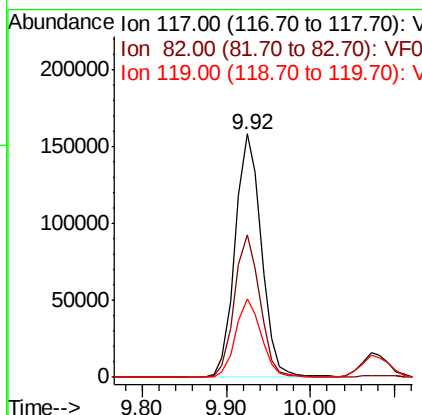
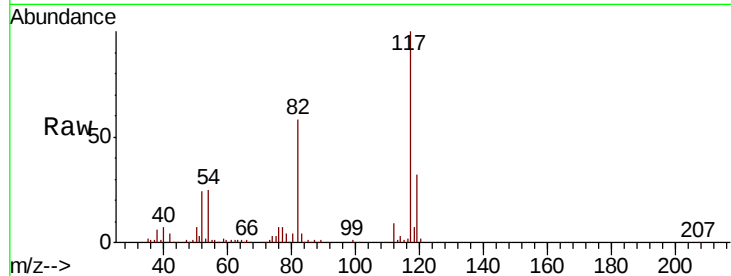
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	43.6	65.4
119	32.1	25.6	38.4

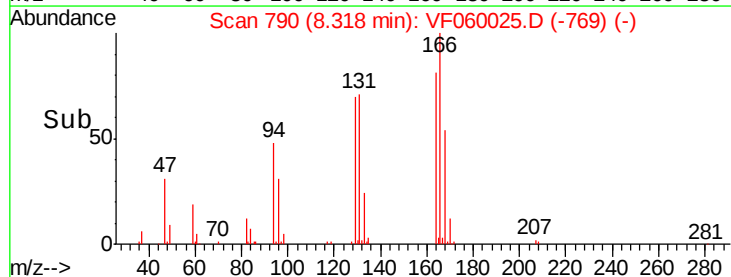
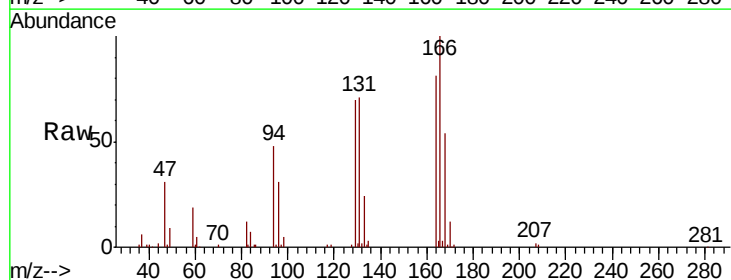
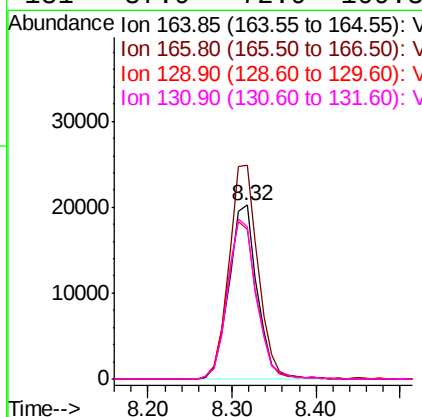
Manual Integrations
APPROVED

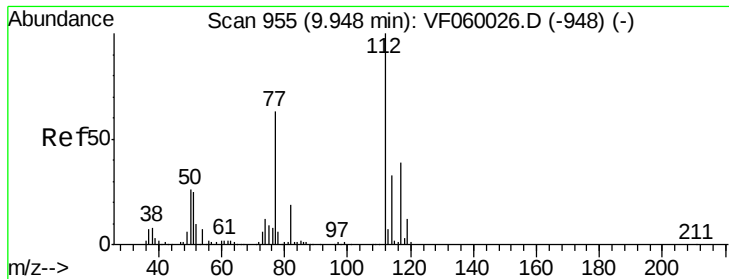
apatel
8/22/2018 11:24:00 AM



#64
Tetrachloroethene
Concen: 18.07 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	104.7	157.1
129	86.4	77.0	115.4
131	87.9	72.9	109.3





#65

Chlorobenzene

Concen: 20.23 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 137085

Ion Ratio Lower Upper

112 100

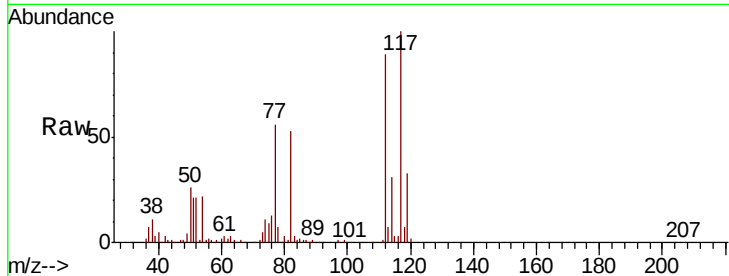
114 34.8 26.2 39.2

Manual Integrations

APPROVED

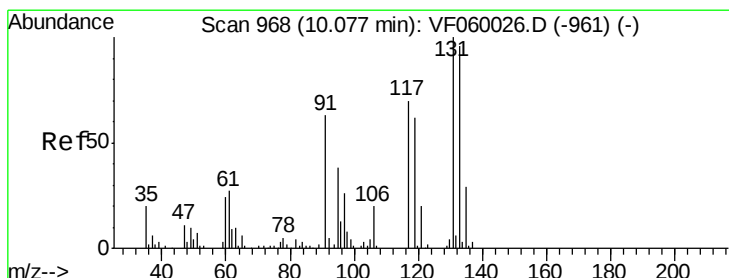
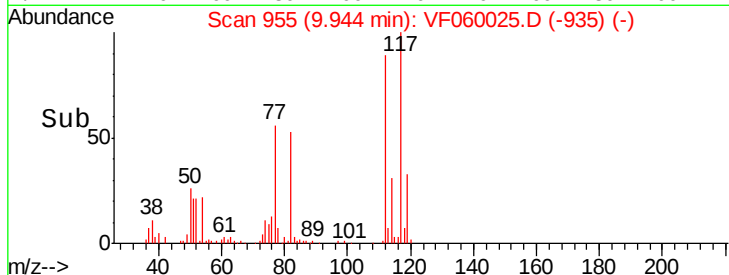
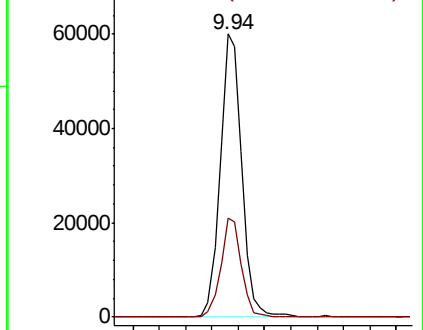
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.85 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

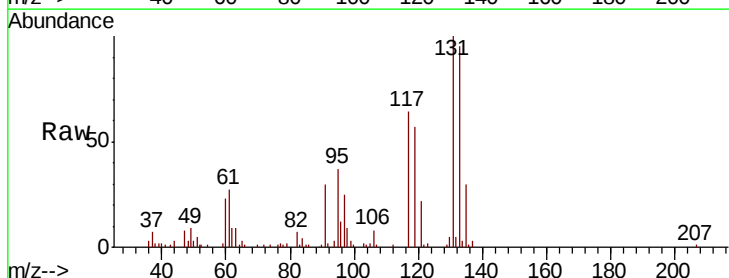
Tgt Ion:131 Resp: 51083

Ion Ratio Lower Upper

131 100

133 95.5 48.2 144.6

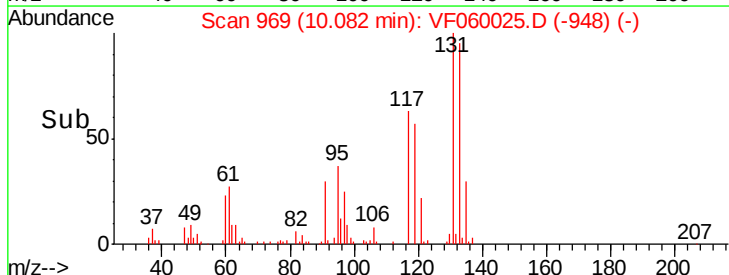
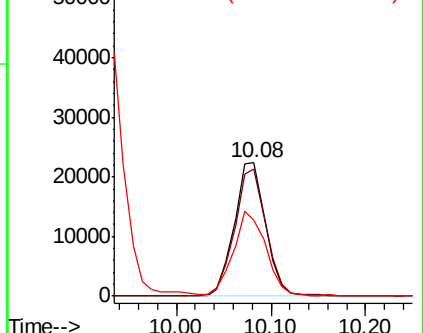
119 57.5 31.4 94.2

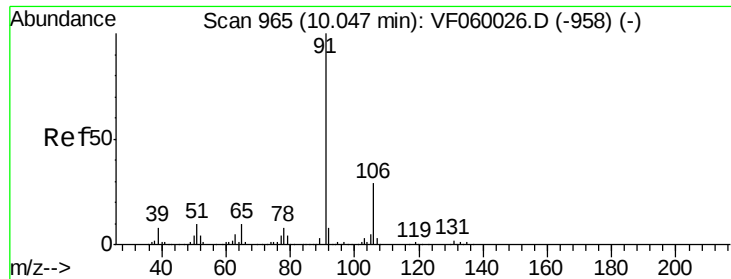


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





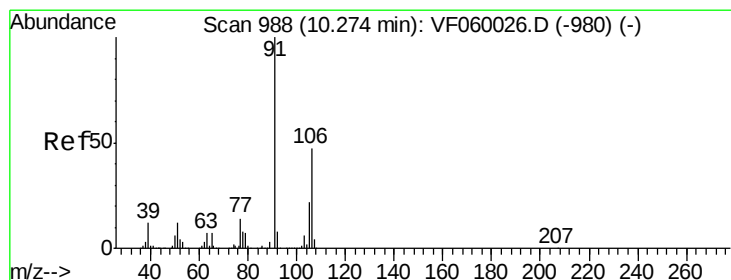
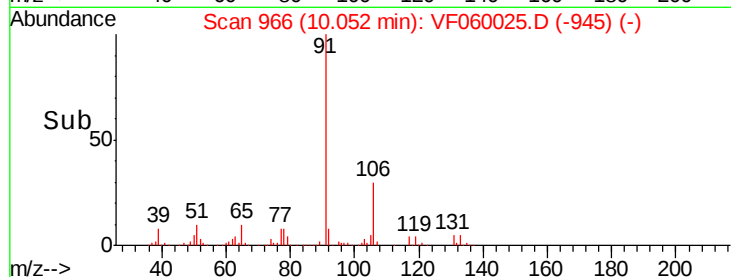
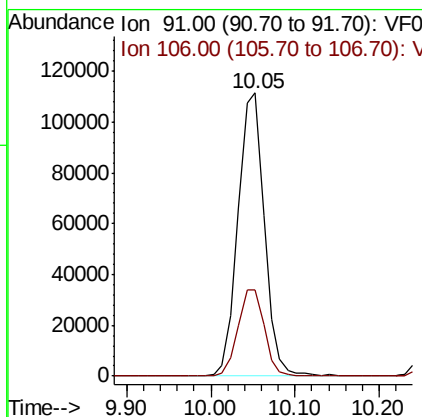
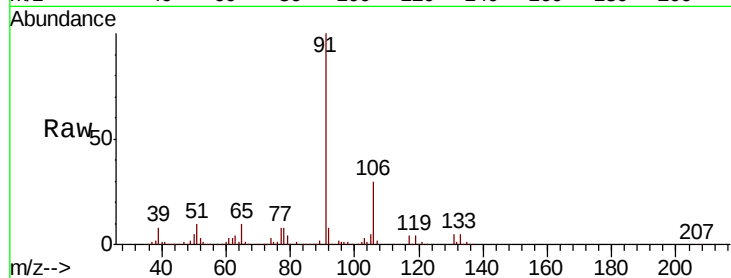
#67
Ethyl Benzene
Concen: 20.00 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 244102
Ion Ratio Lower Upper
91 100
106 30.4 23.6 35.4

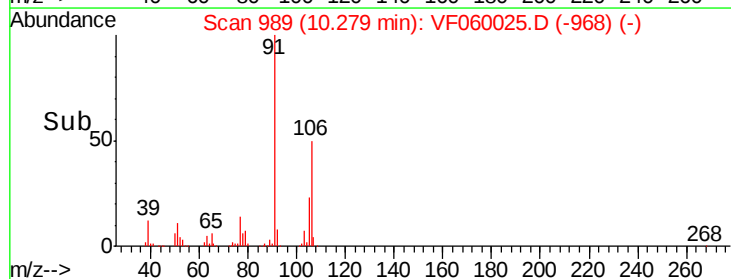
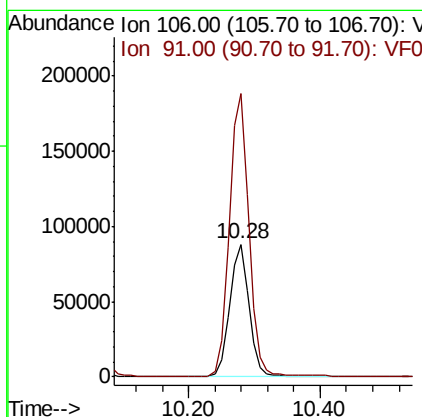
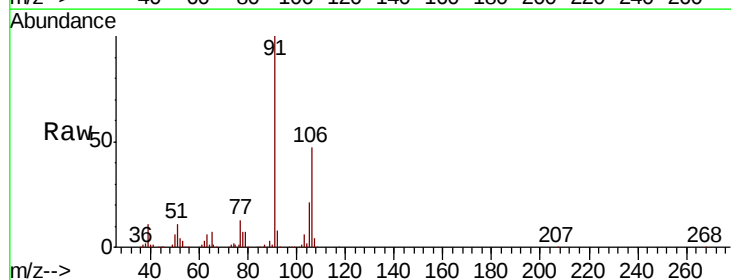
Manual Integrations
APPROVED

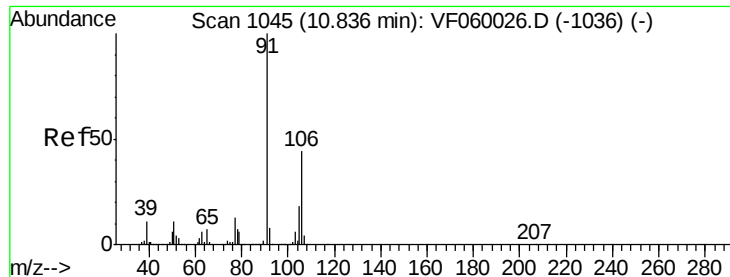
apatel
8/22/2018 11:24:00 AM



#68
m/p-Xylenes
Concen: 42.50 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion: 106 Resp: 182737
Ion Ratio Lower Upper
106 100
91 212.9 171.8 257.8





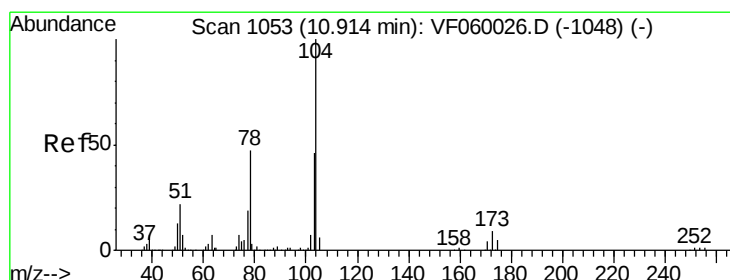
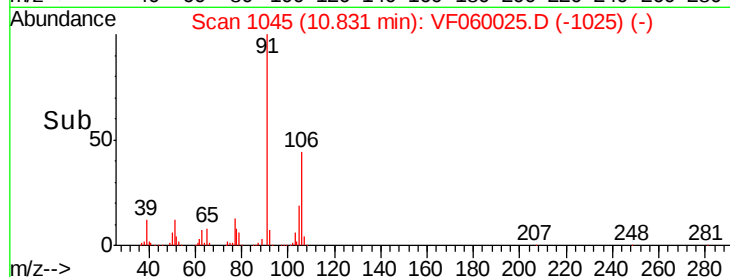
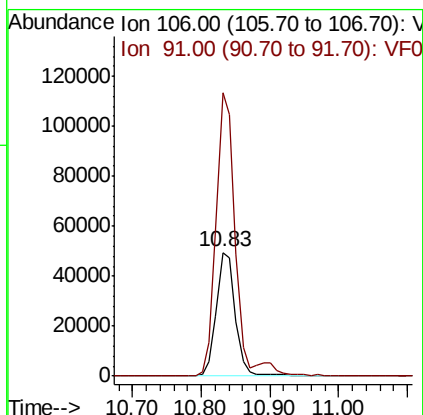
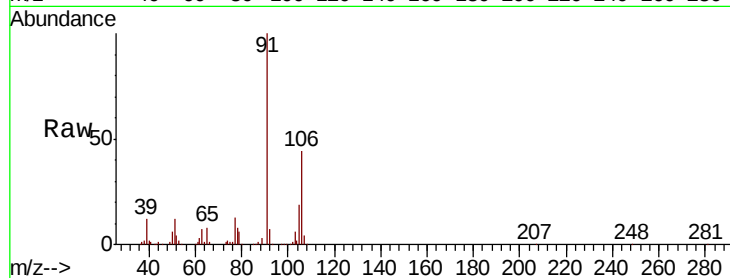
#69
o-Xylene
Concen: 21.55 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 94827
Ion Ratio Lower Upper
106 100
91 229.3 112.5 337.5

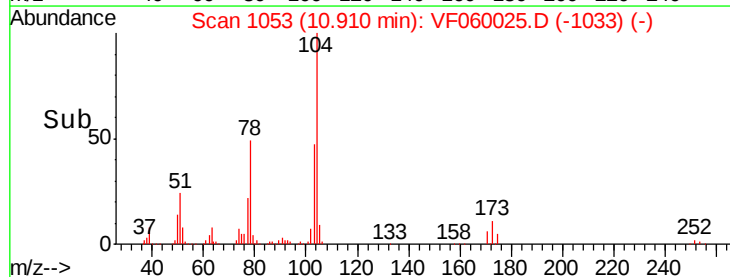
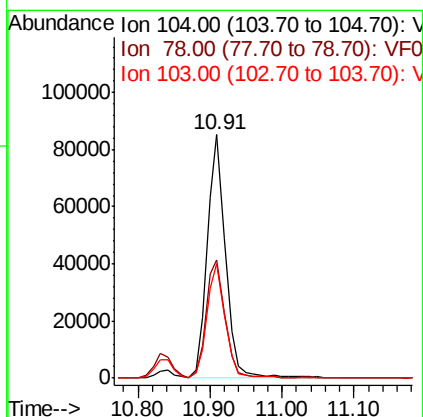
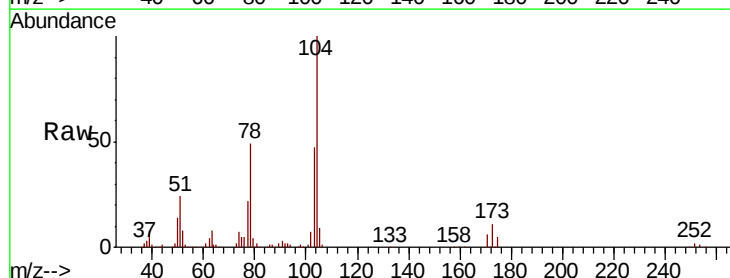
Manual Integrations
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#70
Styrene
Concen: 21.00 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion:104 Resp: 147416
Ion Ratio Lower Upper
104 100
78 48.7 38.0 57.0
103 47.1 37.6 56.4





#71

Bromoform

Concen: 15.87 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

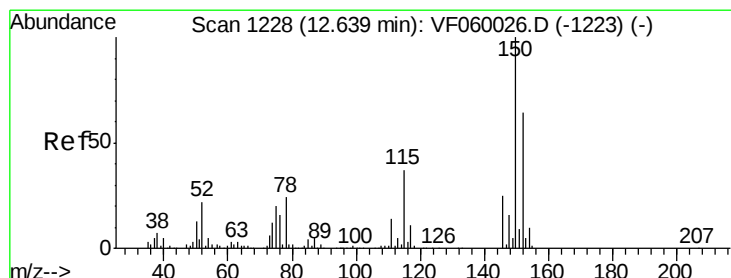
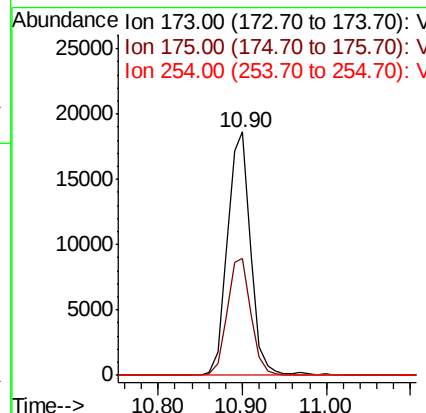
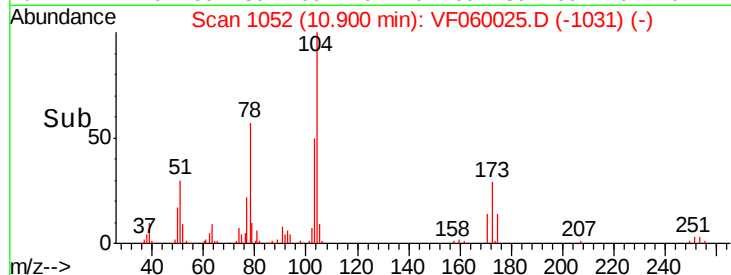
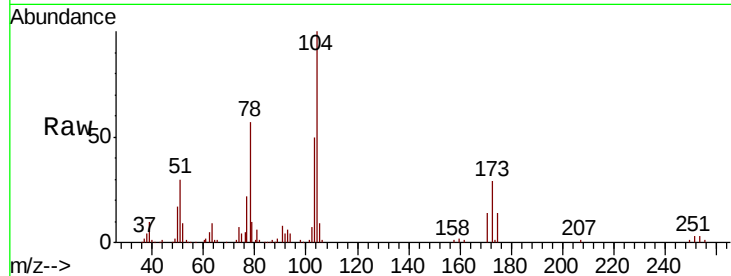
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

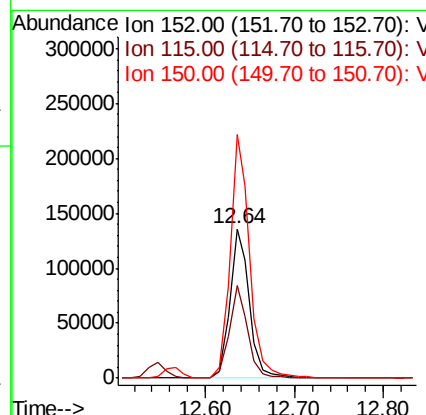
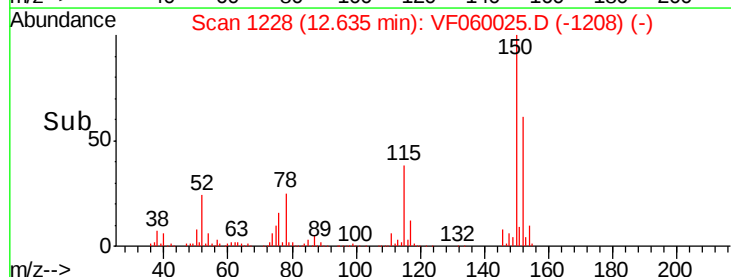
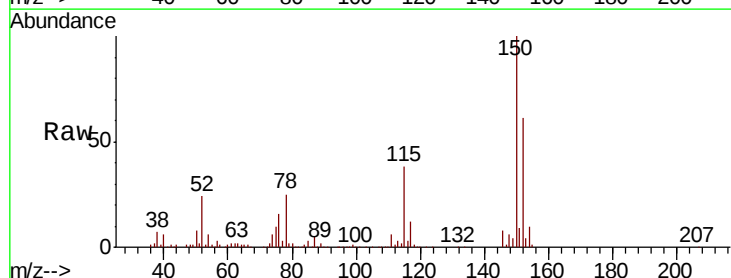
RT: 12.64 min Scan# 1228

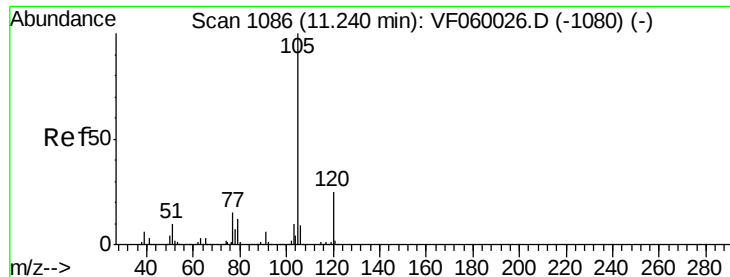
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	28.6	85.9
150	163.2	0.0	312.0





#73

Isopropylbenzene

Concen: 22.01 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 276529

Ion Ratio Lower Upper

105 100

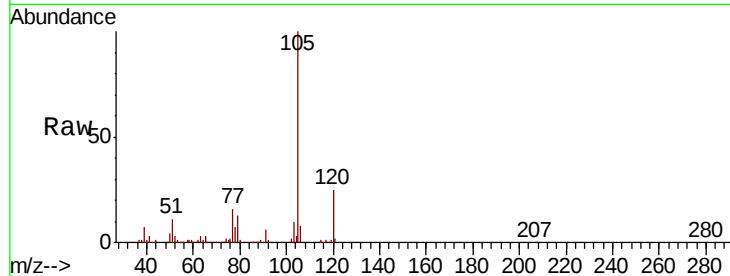
120 25.0 12.7 38.0

Manual Integrations

APPROVED

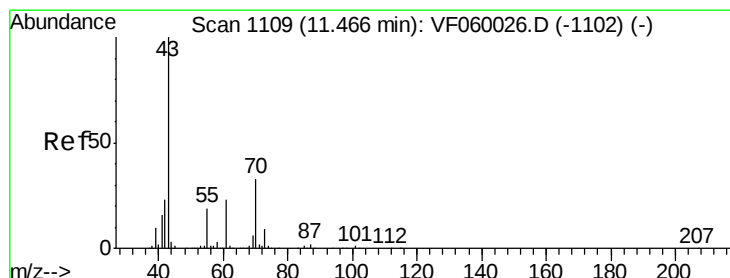
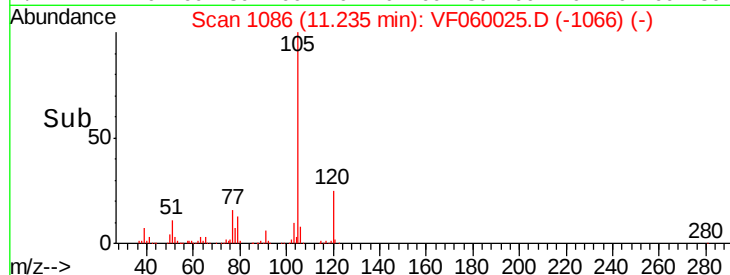
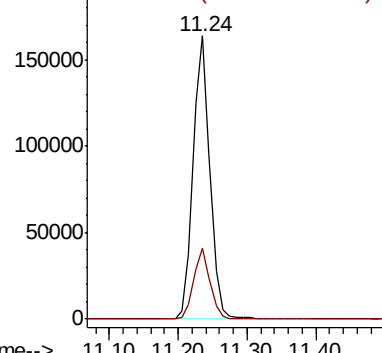
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.57 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion: 43 Resp: 81840

Ion Ratio Lower Upper

43 100

70 35.8 26.4 39.6

55 21.4 15.0 22.4

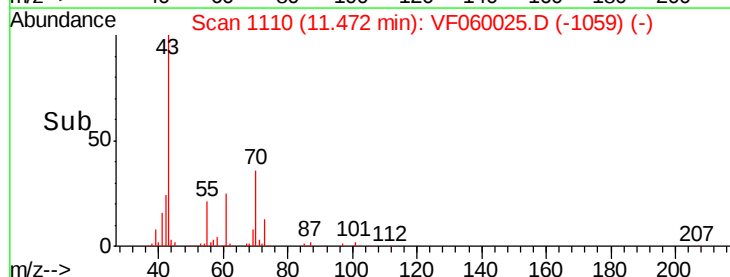
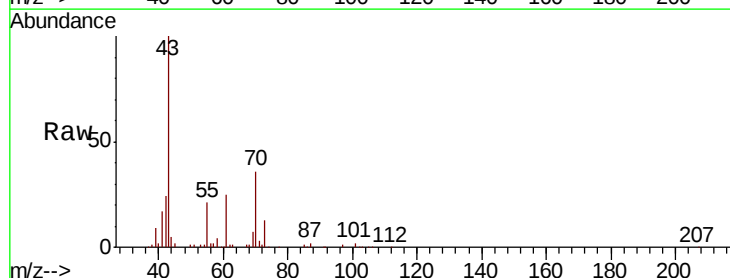
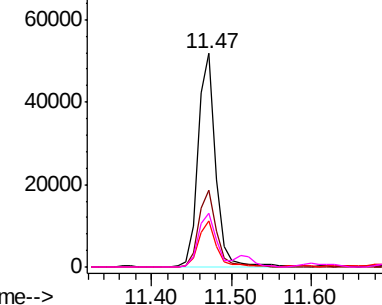
61 25.4 18.4 27.6

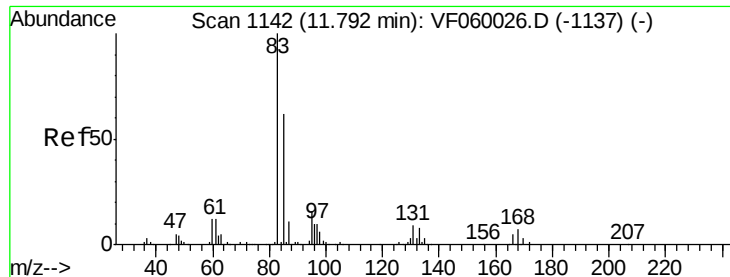
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.90 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

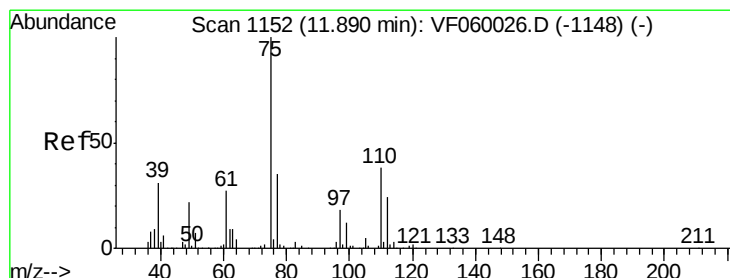
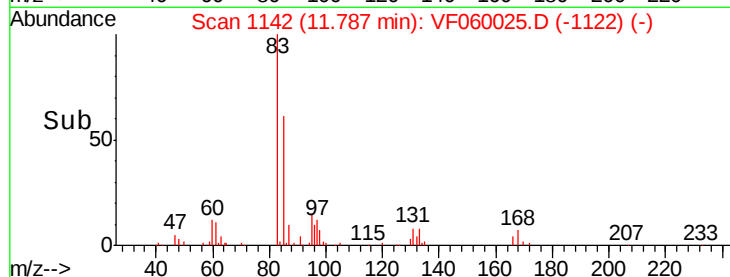
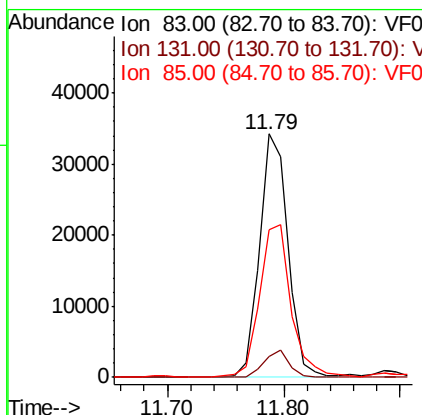
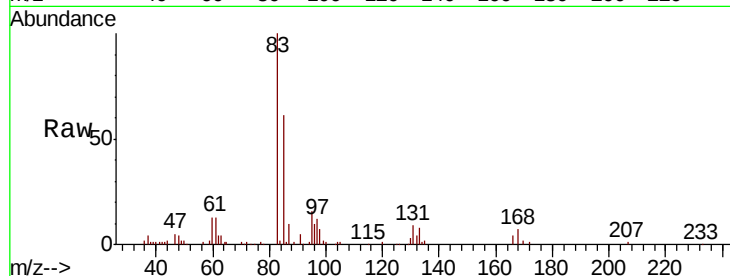
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	57856
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.7
85	60.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 21.11 ug/l

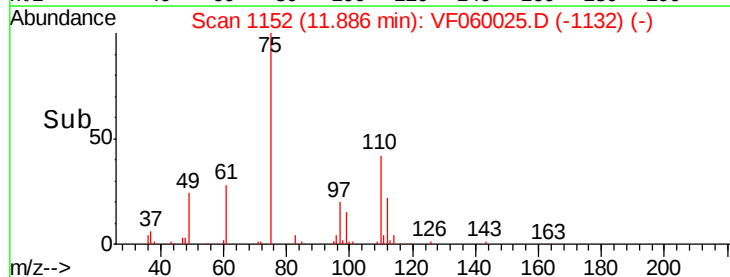
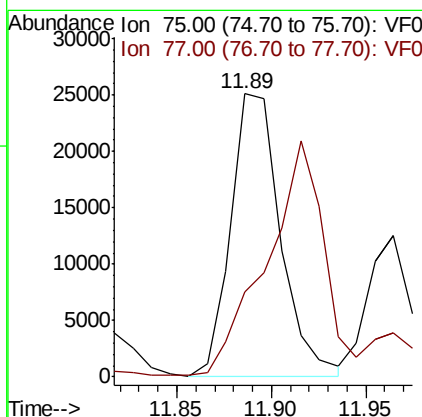
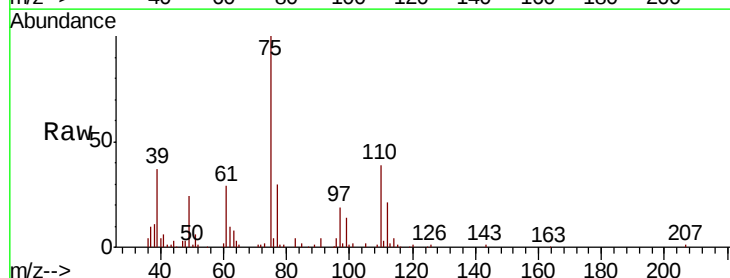
RT: 11.89 min Scan# 1152

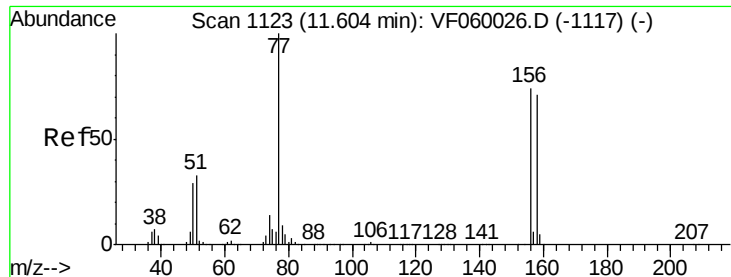
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion:	75	Resp:	45905
Ion Ratio	Lower	Upper	
75	100		
77	30.0	17.3	52.0





#77

Bromobenzene

Concen: 21.38 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

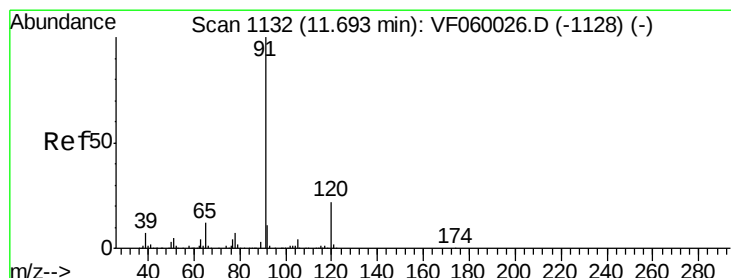
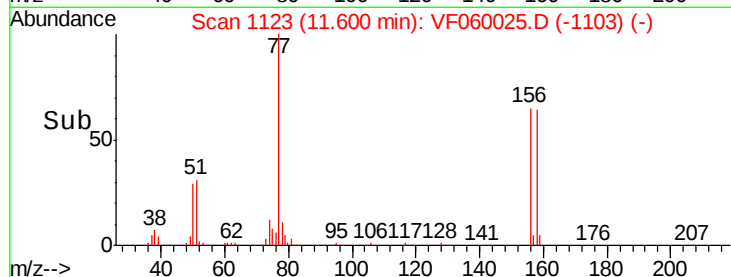
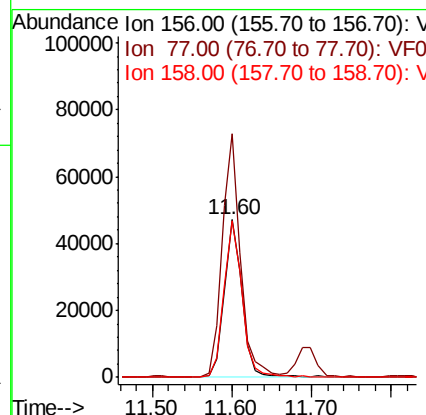
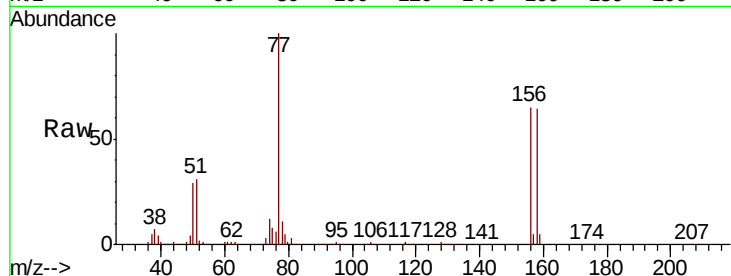
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.6	68.0	204.0
158	99.2	48.4	145.3

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#78

n-propylbenzene

Concen: 21.84 ug/l

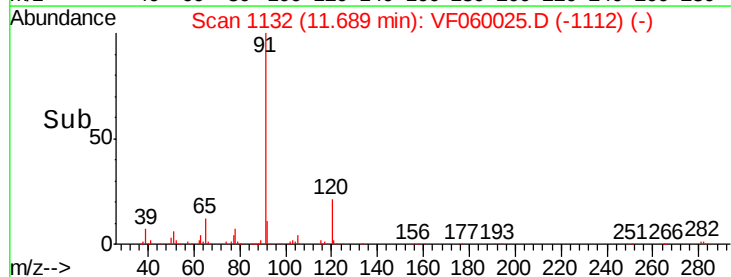
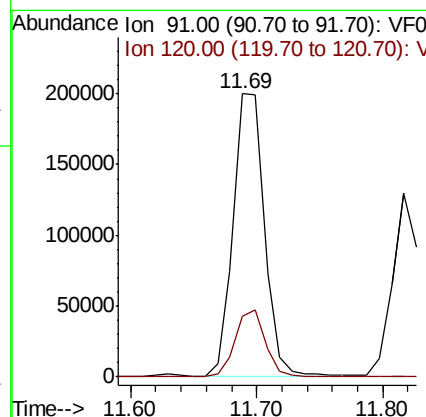
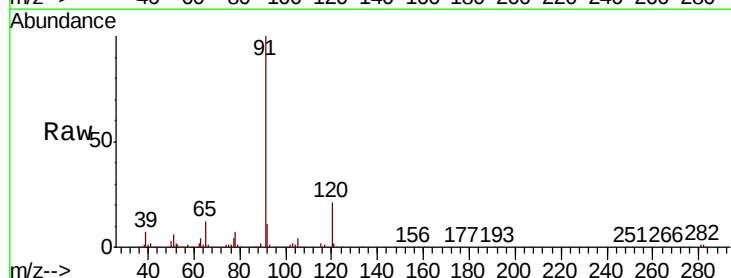
RT: 11.69 min Scan# 1132

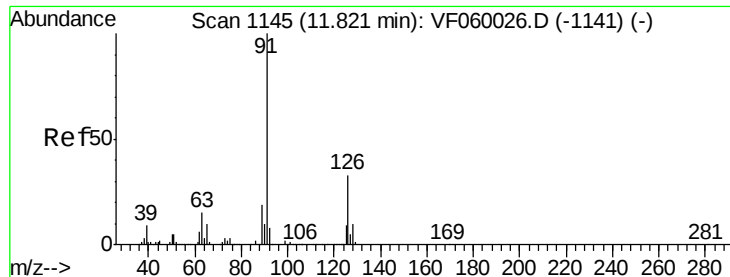
Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.9	32.7





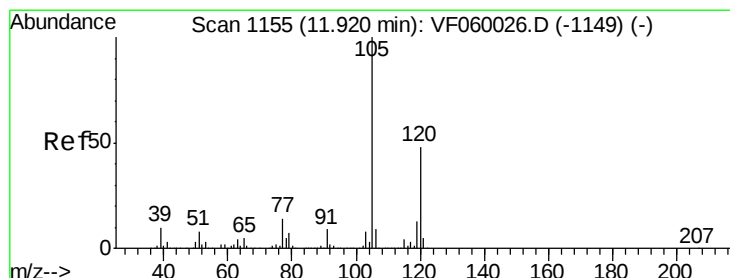
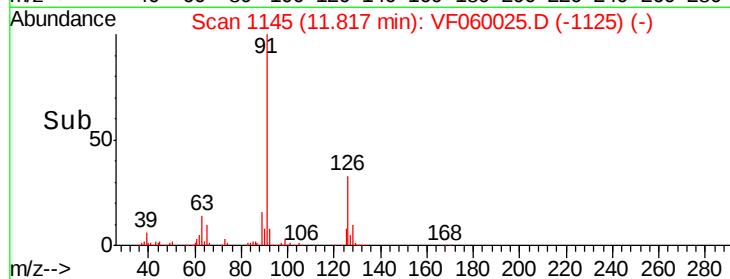
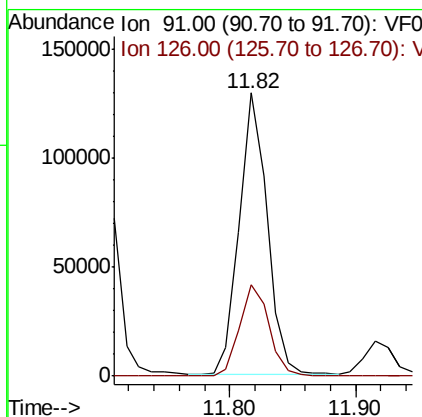
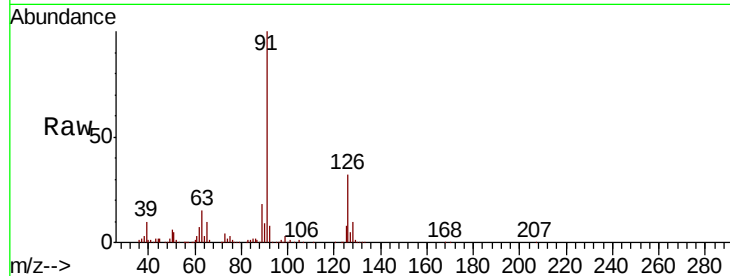
#79
 2-Chlorotoluene
 Concen: 20.97 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7

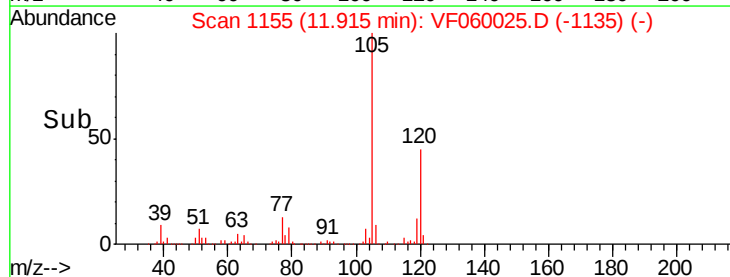
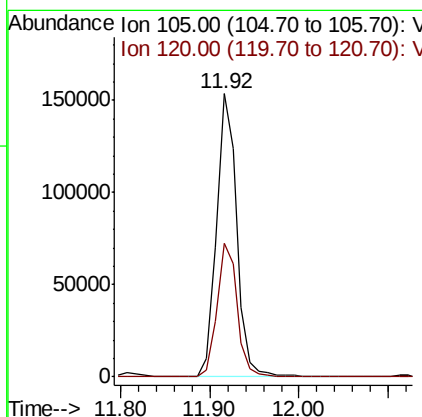
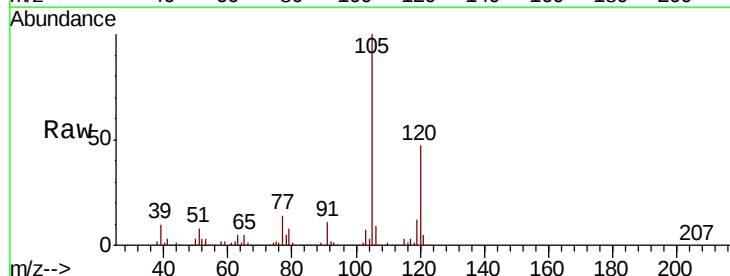
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.69 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.5





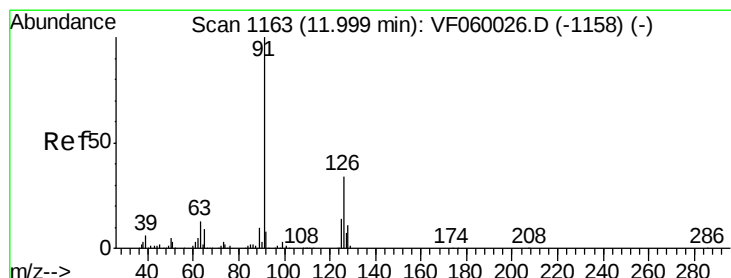
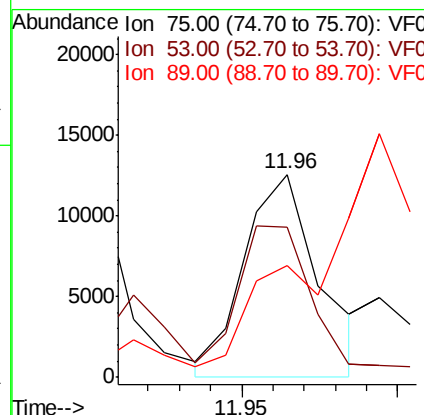
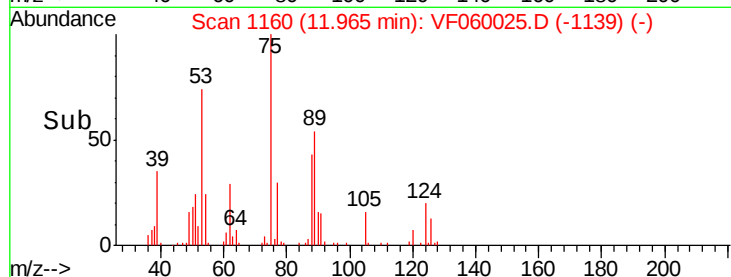
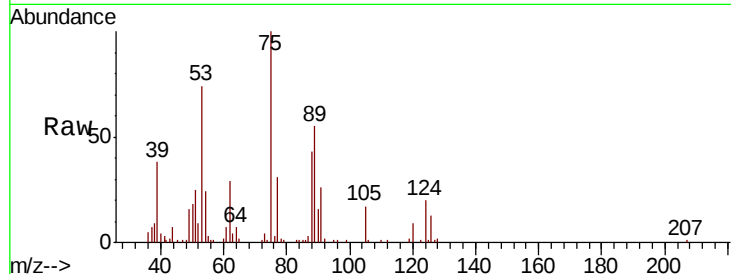
#81
trans-1,4-Dichloro-2-butene
Concen: 22.83 ug/l m
RT: 11.96 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.4	66.2	99.4
89	55.3	42.8	64.2

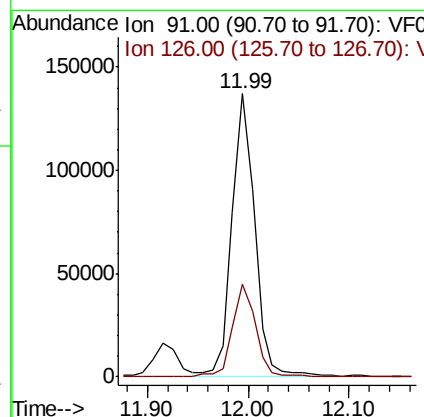
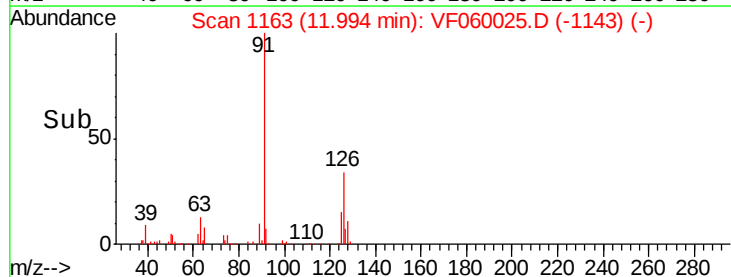
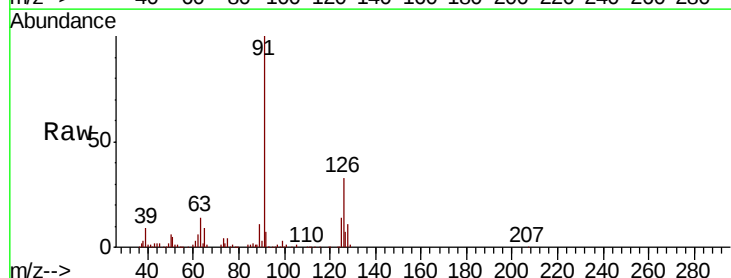
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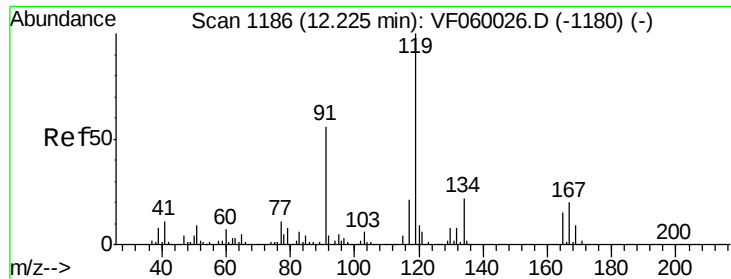
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#82
4-Chlorotoluene
Concen: 20.80 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.0	50.9





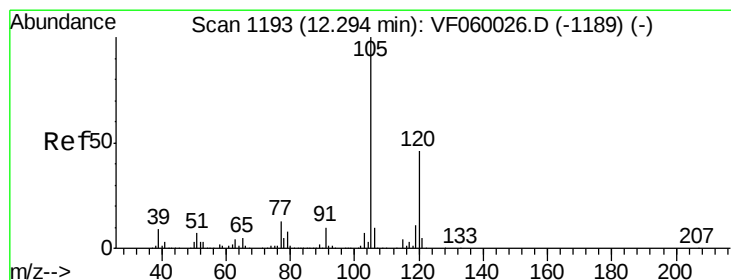
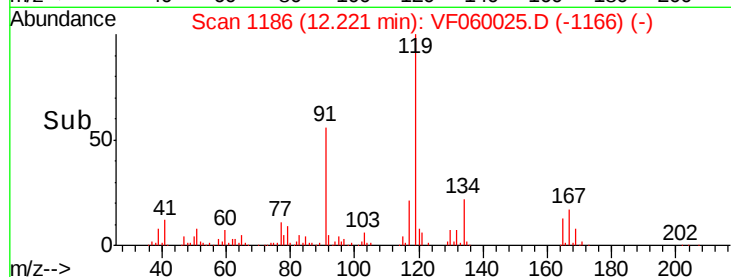
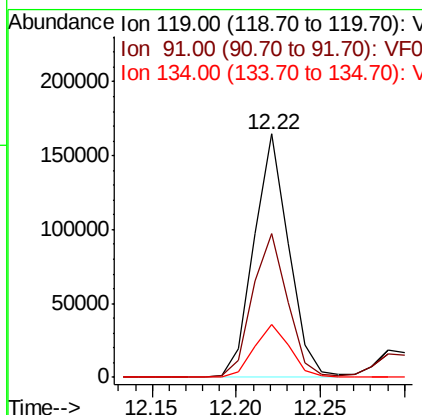
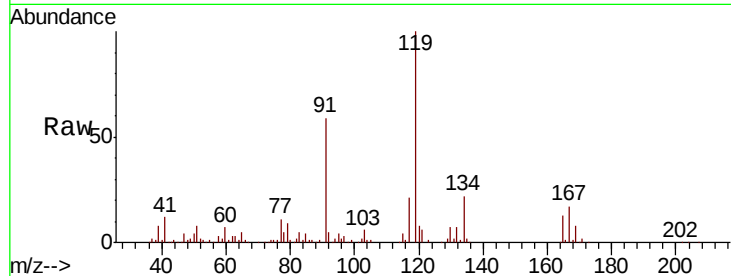
#83
tert-Butylbenzene
Concen: 21.46 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236652		
91	59.2		28.1	84.3
134	21.9		11.1	33.3

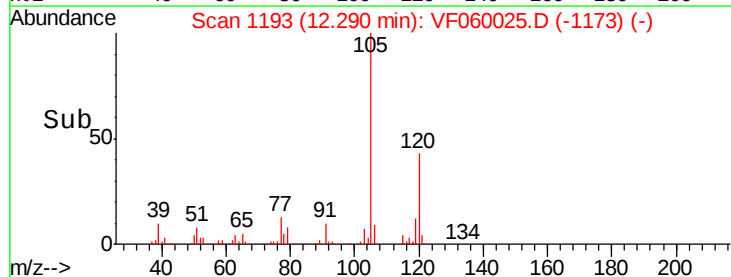
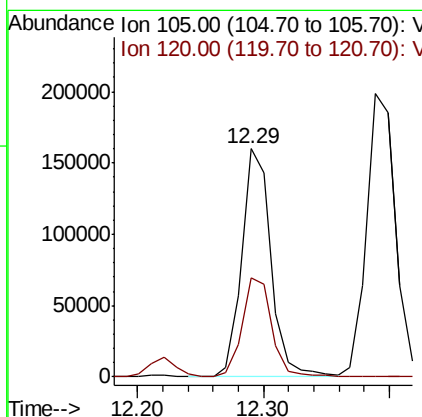
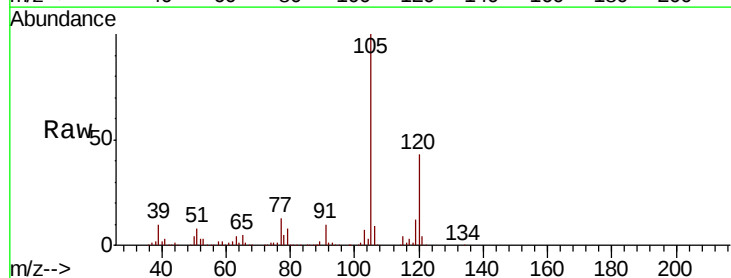
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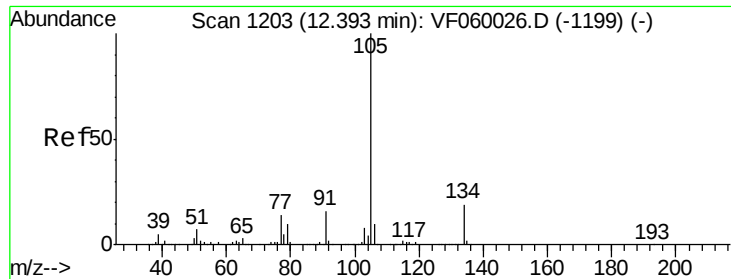
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#84
1,2,4-Trimethylbenzene
Concen: 21.53 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	255238		
120	43.3		23.3	69.8





#85

sec-Butylbenzene

Concen: 21.54 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 317007

Ion Ratio Lower Upper

105 100

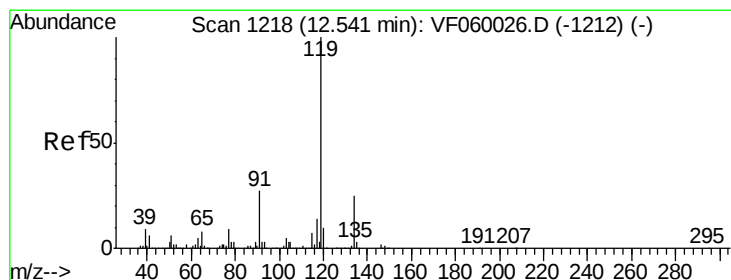
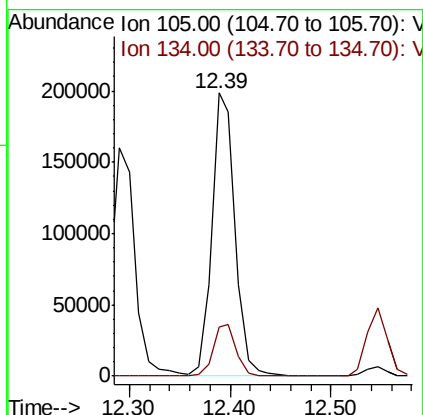
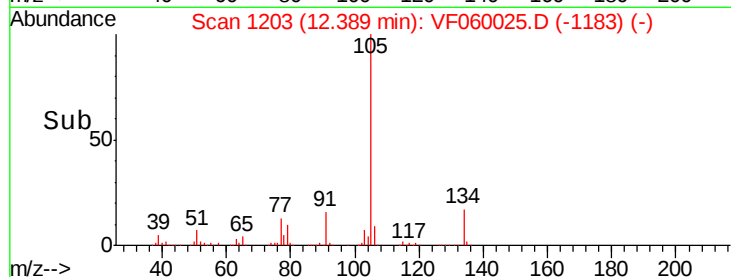
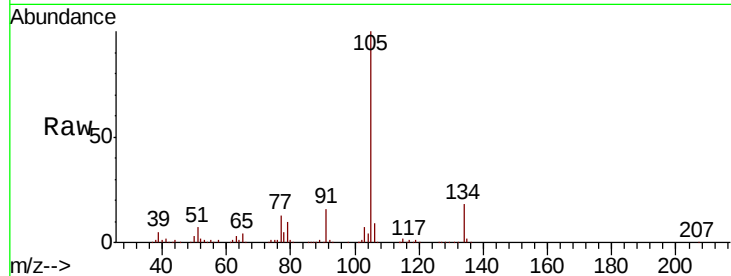
134 17.6 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 21.77 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF060025.D

Acq: 21 Aug 2018 17:55

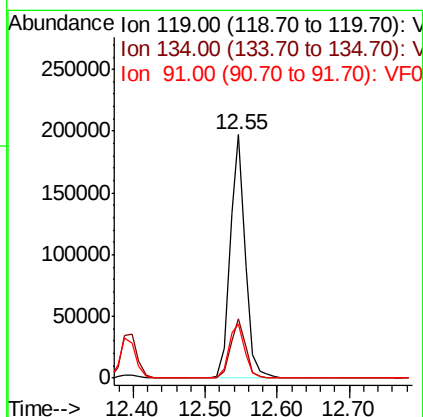
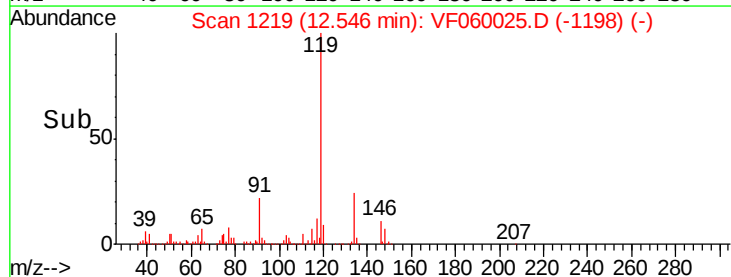
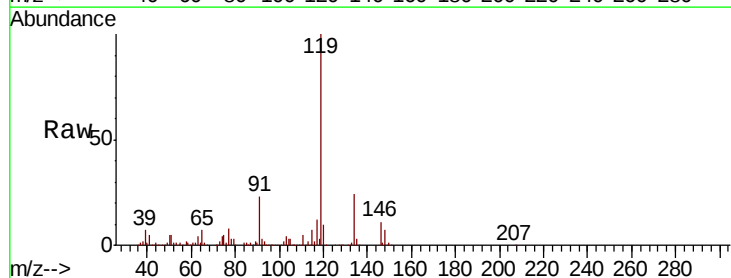
Tgt Ion:119 Resp: 283316

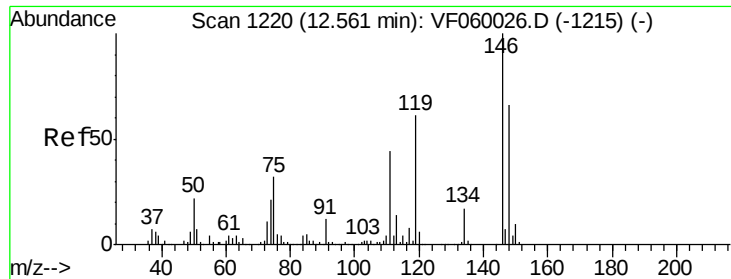
Ion Ratio Lower Upper

119 100

134 24.2 12.4 37.2

91 22.5 13.5 40.4





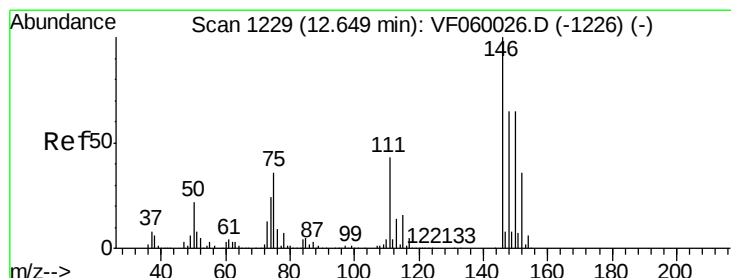
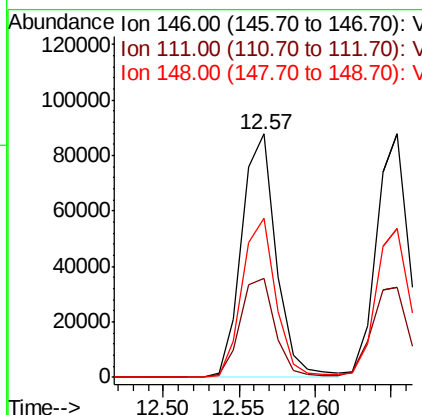
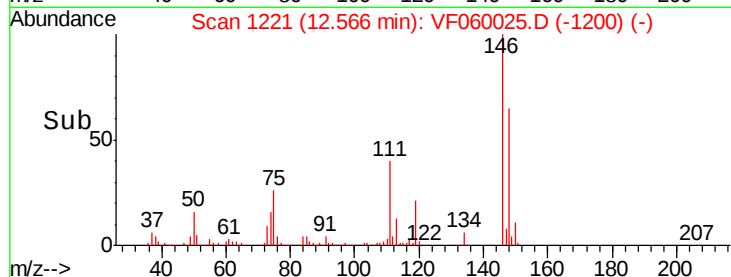
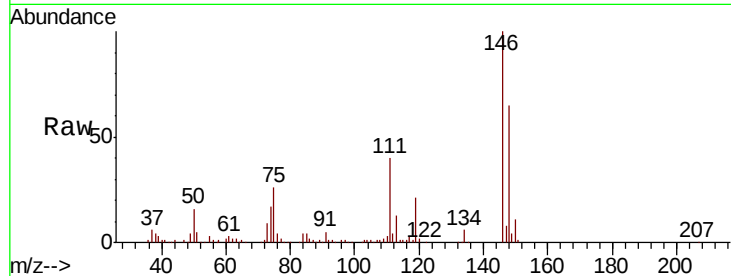
#87
 1,3-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139920		
111	40.5	21.9	65.5	
148	65.3	32.9	98.7	

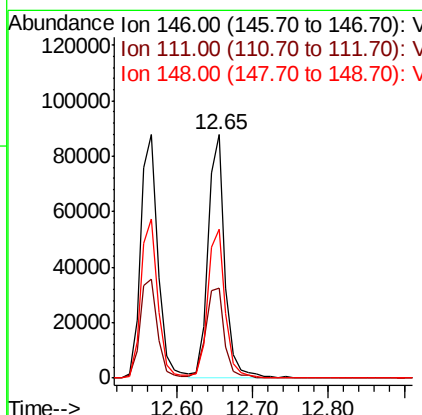
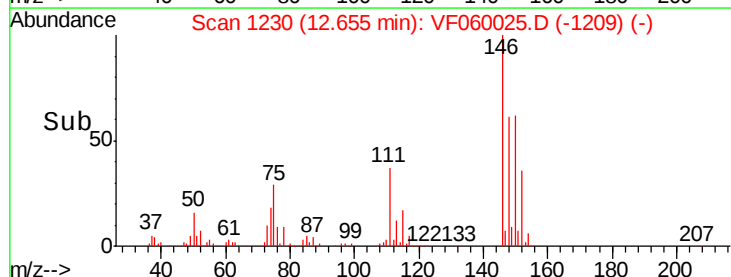
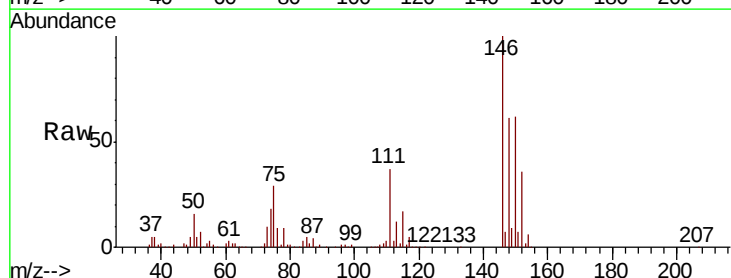
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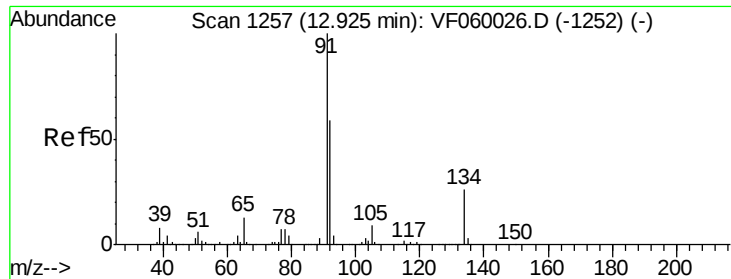
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#88
 1,4-Dichlorobenzene
 Concen: 21.26 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	137740		
111	37.1	21.6	64.8	
148	61.5	32.3	96.8	





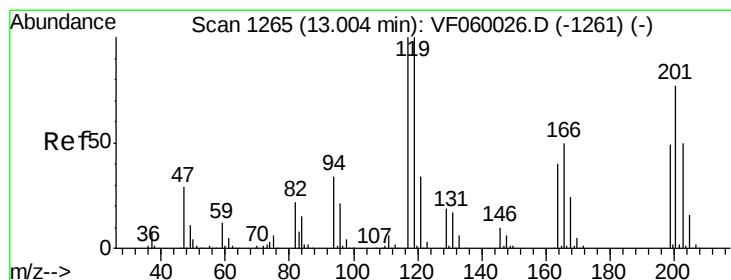
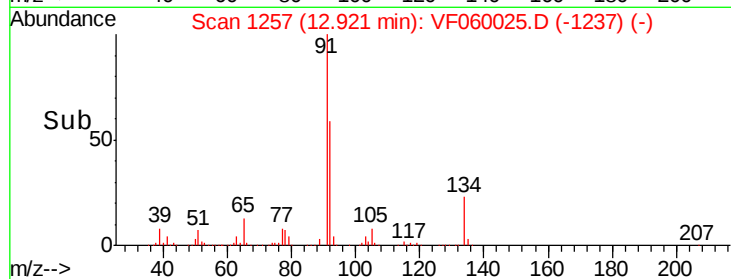
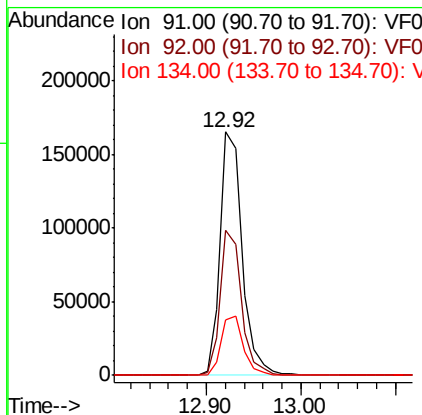
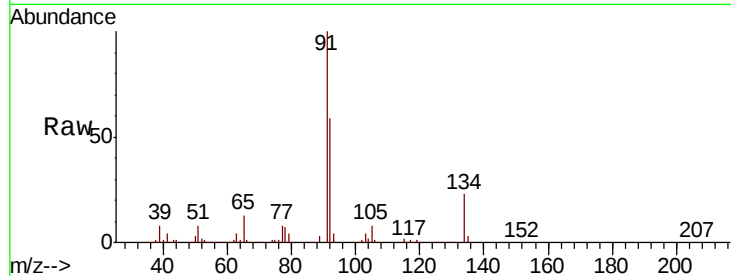
#89
n-Butylbenzene
Concen: 21.25 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	29.3	87.9
134	22.6	12.8	38.3

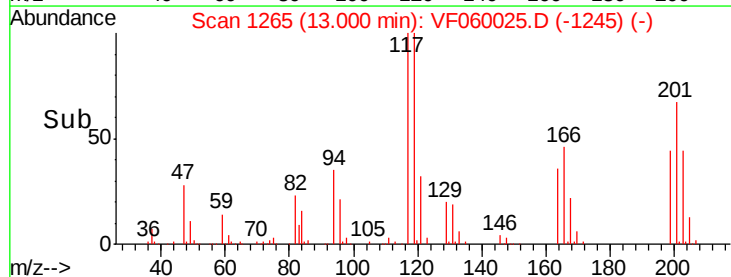
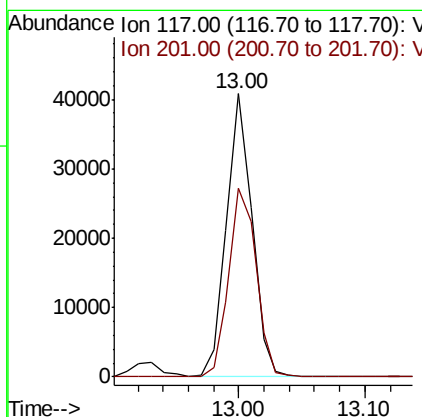
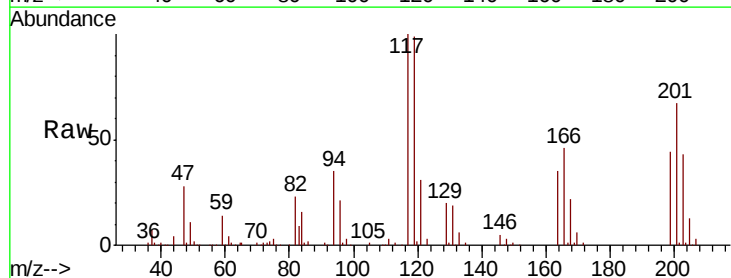
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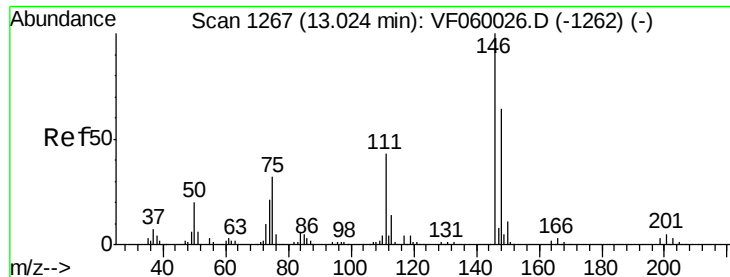
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#90
Hexachloroethane
Concen: 19.90 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	38.6	115.8





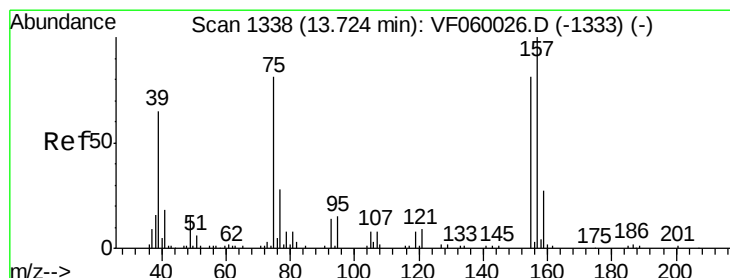
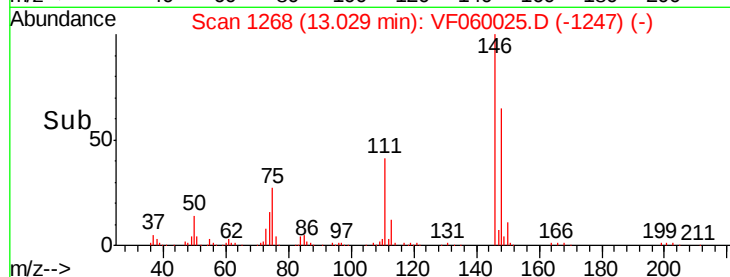
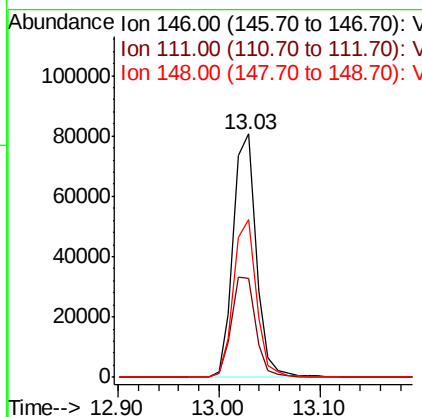
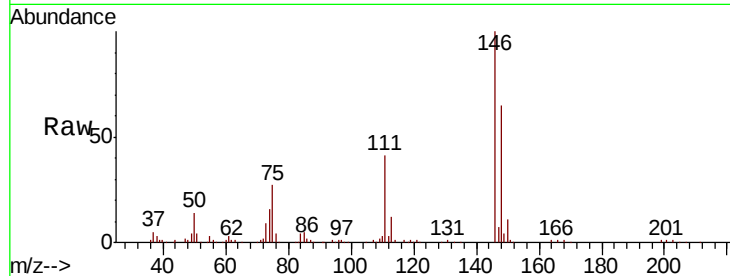
#91
 1,2-Dichlorobenzene
 Concen: 20.29 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	64.6
148	64.9	32.3	96.8

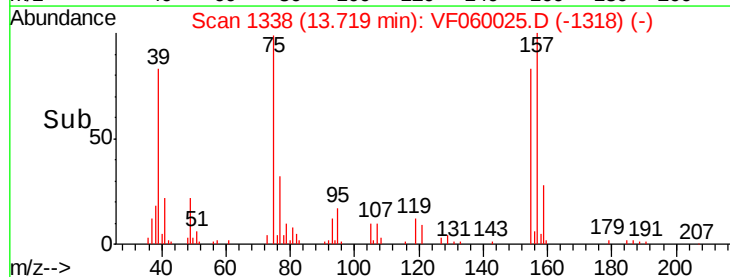
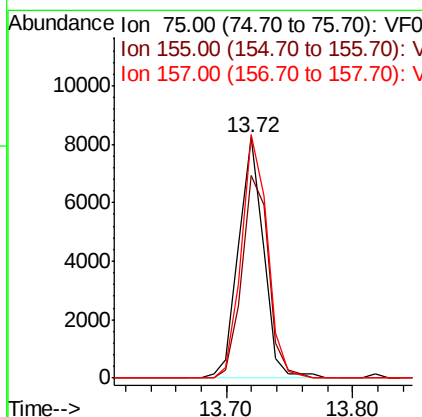
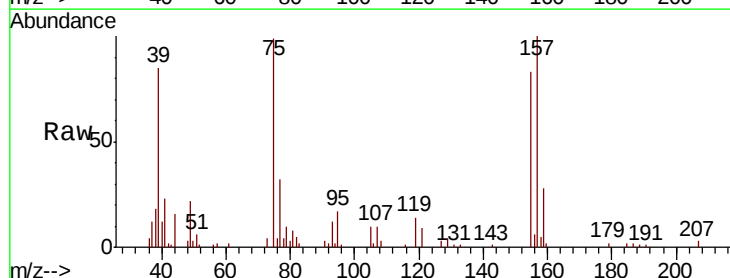
Manual Integrations
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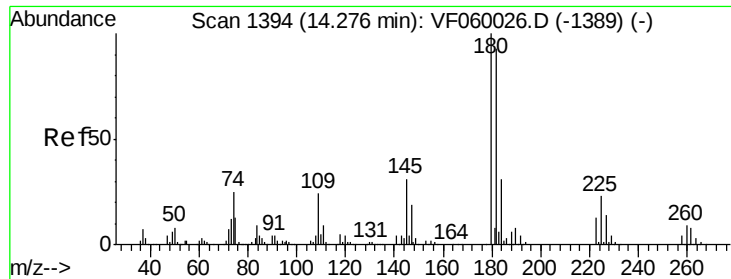
apatel
 8/22/2018 11:24:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.01 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF060025.D
 Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	49.8	149.3
157	101.2	61.6	184.7





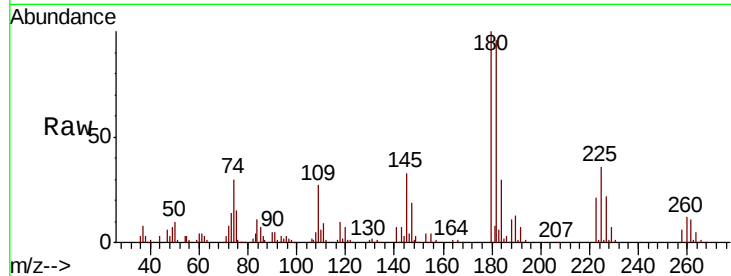
#93
1,2,4-Trichlorobenzene
Concen: 19.03 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97814		
182	96.1	46.8	140.3	
145	32.9	15.4	46.4	

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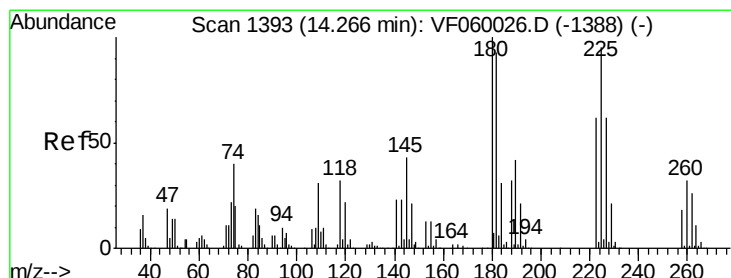
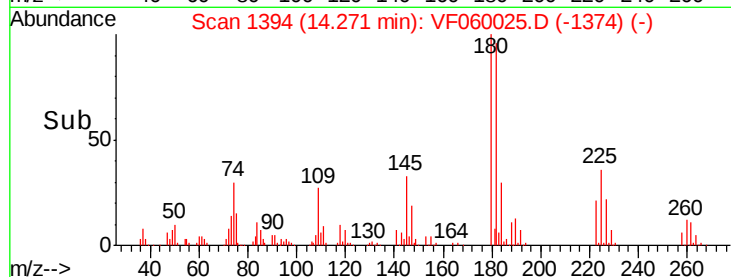
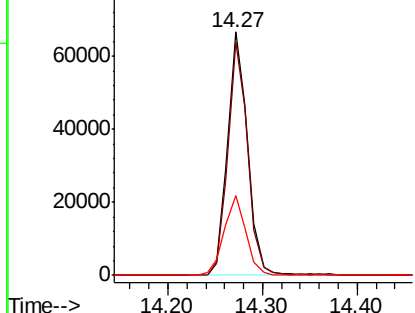


Abundance

Ion 180.00 (179.70 to 180.70): V

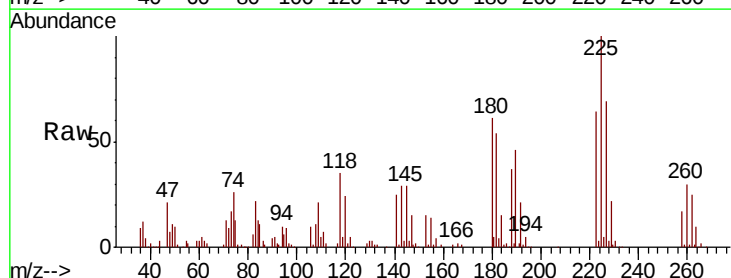
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 18.37 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62041		
223	64.5	32.6	97.8	
227	68.6	33.0	98.9	

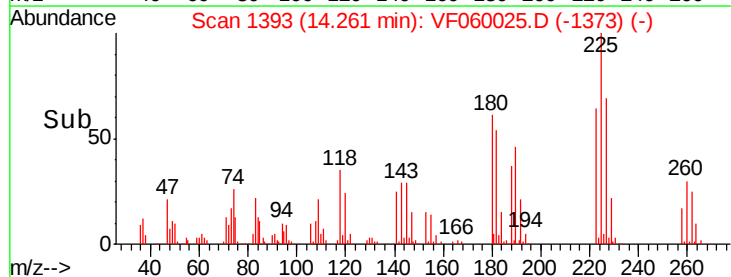
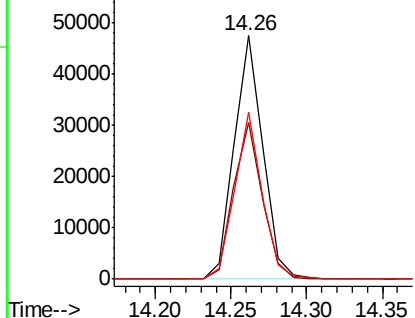


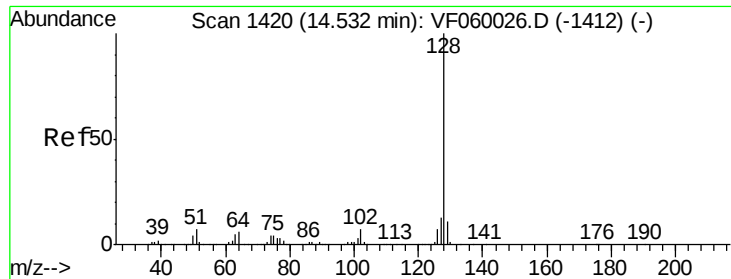
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





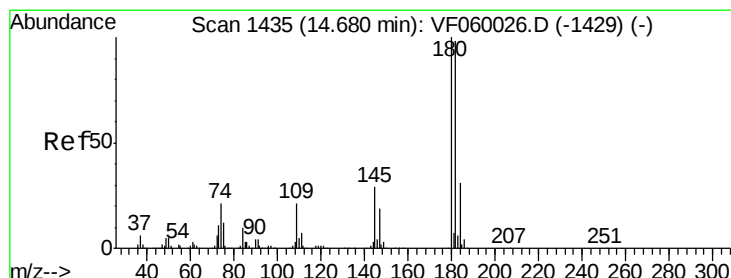
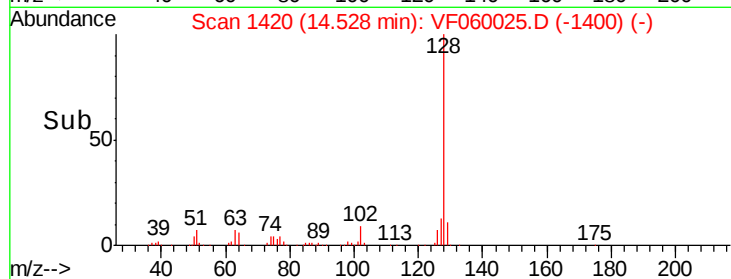
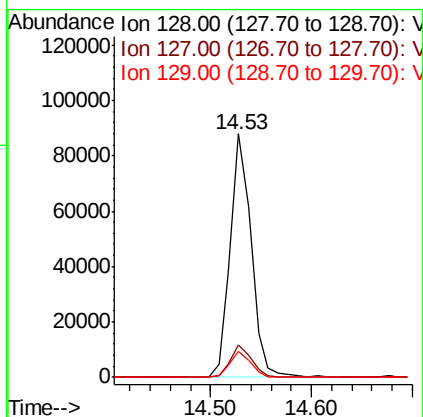
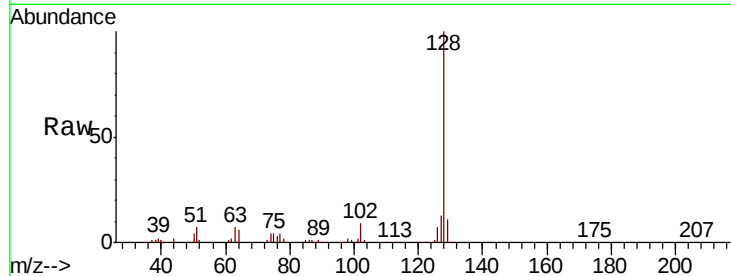
#95
Naphthalene
Concen: 17.30 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 18.86 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060025.D
Acq: 21 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	49.0	147.2
145	30.5	14.4	43.2

