

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060026.D
 Acq On : 21 Aug 2018 18:23
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:05 AM

Quant Time: Aug 22 04:23:44 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	5.05	168	216604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	334248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	349320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	207251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	141680	35.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.92%	
35) Dibromofluoromethane	4.30	113	130300	39.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.32%	
50) Toluene-d8	7.72	98	354871	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	11.52	95	187108	41.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	133917	37.80	ug/l	100
3) Chloromethane	1.08	50	93546	47.45	ug/l	100
4) Vinyl Chloride	1.13	62	83910	39.03	ug/l	100
5) Bromomethane	1.32	94	64953	31.57	ug/l	100
6) Chloroethane	1.39	64	33611	31.29	ug/l	100
7) Trichlorofluoromethane	1.49	101	185612	31.42	ug/l	100
8) Diethyl Ether	1.71	74	32657	36.61	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.87	101	94108	33.61	ug/l	100
10) Methyl Iodide	1.93	142	129977	36.68	ug/l	100
11) Tert butyl alcohol	2.68	59	39396	169.71	ug/l	100
12) 1,1-Dichloroethene	1.83	96	69825	35.72	ug/l	100
13) Acrolein	2.09	56	23493	187.15	ug/l	100
14) Allyl chloride	2.19	41	118382	35.79	ug/l	100
15) Acrylonitrile	3.08	53	73191	195.39	ug/l	100
16) Acetone	2.34	43	195991	157.77	ug/l	100
17) Carbon Disulfide	1.85	76	195383	31.59	ug/l	100
18) Methyl Acetate	2.46	43	66511	28.04	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	222415	34.96	ug/l	100
20) Methylene Chloride	2.28	84	77861	28.18	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	70726	33.76	ug/l	100
22) Diisopropyl ether	2.93	45	275205	38.78	ug/l	100
23) Vinyl Acetate	3.33	43	783928	264.28	ug/l	100
24) 1,1-Dichloroethane	3.01	63	166978	36.44	ug/l	100
25) 2-Butanone	4.52	43	251237	244.93	ug/l	100
26) 2,2-Dichloropropane	3.77	77	173643	41.97	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	110240	54.13	ug/l	100
28) Bromochloromethane	3.90	49	68536	48.49	ug/l	100
29) Tetrahydrofuran	4.26	42	94861	257.79	ug/l	100
30) Chloroform	4.04	83	236333	42.99	ug/l	100
31) Cyclohexane	3.87	56	122894	53.68	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	205278	39.10	ug/l	100
36) 1,1-Dichloropropene	4.47	75	153490	40.96	ug/l	100
37) Ethyl Acetate	4.29	43	91718	44.75	ug/l	100
38) Carbon Tetrachloride	4.17	117	179063	34.62	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	138226	48.29	ug/l	100
40) Benzene	4.82	78	325566	50.56	ug/l	100
41) Methacrylonitrile	4.93	41	44915	45.26	ug/l	100
42) 1,2-Dichloroethane	5.13	62	177851	34.42	ug/l	100
43) Isopropyl Acetate	7.12	43	119304	51.33	ug/l	100
44) Trichloroethene	5.68	130	108007	43.86	ug/l	100
45) 1,2-Dichloropropane	6.41	63	98436	52.96	ug/l	100
46) Dibromomethane	6.26	93	75776	42.58	ug/l	100
47) Bromodichloromethane	6.56	83	180861	38.58	ug/l	100
48) Methyl methacrylate	6.88	41	79761	47.11	ug/l	100
49) 1,4-Dioxane	6.87	88	14950	1124.63	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	501420	233.56	ug/l	100
52) Toluene	7.79	92	231837	48.15	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	161054	40.38	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	190998	48.46	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	94177	48.93	ug/l	100
56) Ethyl methacrylate	8.77	69	117330	52.36	ug/l	100
57) 1,3-Dichloropropane	9.01	76	168807	49.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	42133	236.87	ug/l	100
59) 2-Hexanone	9.63	43	407073	229.33	ug/l	100
60) Dibromochloromethane	8.87	129	137765	40.67	ug/l	100
61) 1,2-Dibromoethane	9.14	107	108021	45.66	ug/l	100
64) Tetrachloroethene	8.31	164	114664	43.32	ug/l	100
65) Chlorobenzene	9.95	112	318185	46.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	120689	39.22	ug/l	100
67) Ethyl Benzene	10.05	91	537679	43.41	ug/l	100
68) m/p-Xylenes	10.27	106	396001	90.74	ug/l	100
69) o-Xylene	10.84	106	224084	50.17	ug/l	100
70) Styrene	10.91	104	327831	46.02	ug/l	100
71) Bromoform	10.89	173	86056	37.89	ug/l	100
73) Isopropylbenzene	11.24	105	618382	49.58	ug/l	100
74) N-amyl acetate	11.47	43	205294	57.05	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	139136	55.49	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	103694	48.03	ug/l	100
77) Bromobenzene	11.60	156	169078	48.76	ug/l	100
78) n-propylbenzene	11.69	91	758122	48.84	ug/l	100
79) 2-Chlorotoluene	11.82	91	441820	47.46	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	539395	48.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	50248m	55.17	ug/l	
82) 4-Chlorotoluene	12.00	91	477091	46.83	ug/l	100
83) tert-Butylbenzene	12.23	119	521453	47.64	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	559707	47.56	ug/l	100
85) sec-Butylbenzene	12.39	105	718075	49.15	ug/l	100
86) p-Isopropyltoluene	12.54	119	609852	47.21	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	309147	46.70	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	298692	46.45	ug/l	100
89) n-Butylbenzene	12.93	91	618227	49.53	ug/l	100
90) Hexachloroethane	13.00	117	137449	47.78	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	301114	47.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	28995	44.23	ug/l	100

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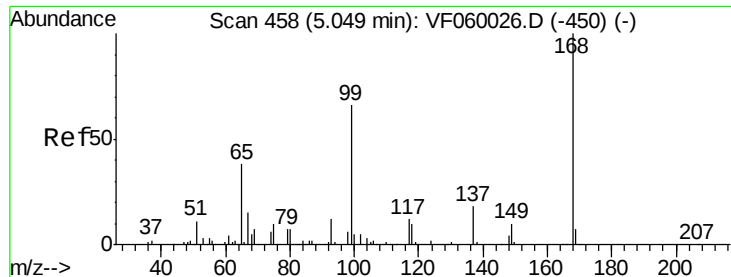
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	235720	46.21	µg/l	100
94) Hexachlorobutadiene	14.27	225	139661	41.66	µg/l	100
95) Naphthalene	14.53	128	386214	52.70	µg/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	226039	46.20	µg/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060026.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 216604

Ion Ratio Lower Upper

168 100

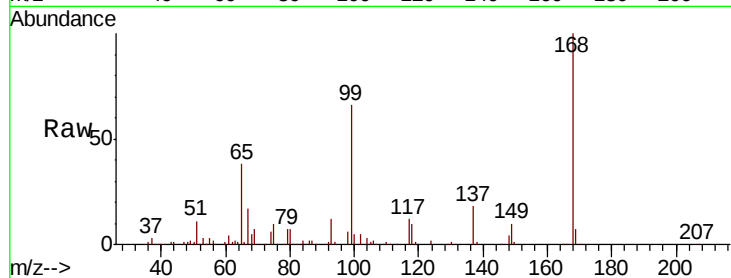
99 65.8 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

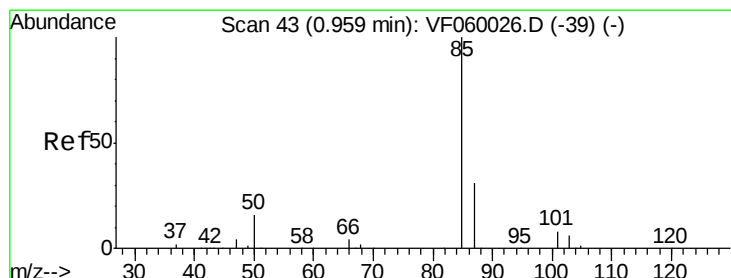
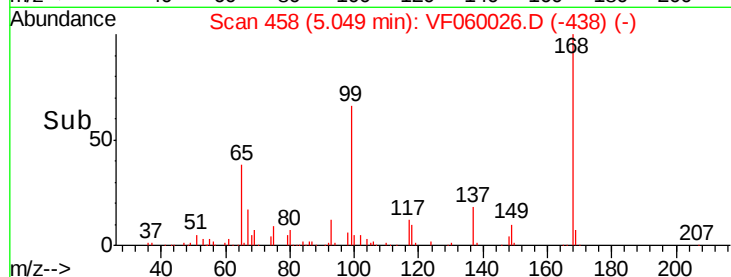
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 37.80 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060026.D

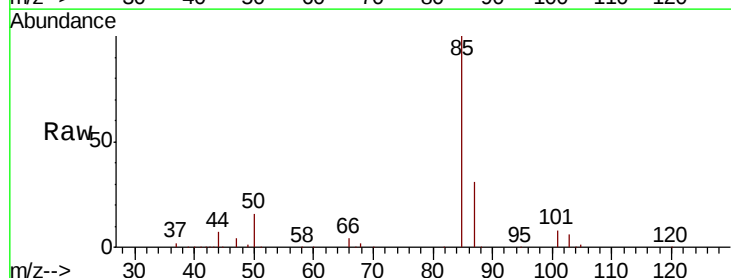
Acq: 21 Aug 2018 18:23

Tgt Ion: 85 Resp: 133917

Ion Ratio Lower Upper

85 100

87 30.6 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

120000

100000

80000

60000

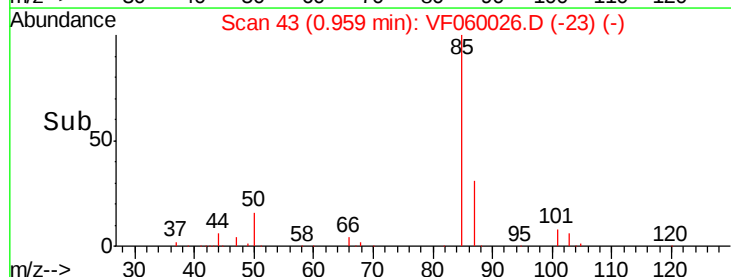
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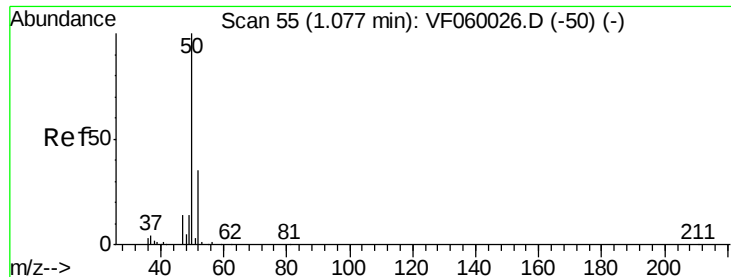
20000

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0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 47.45 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 93546

Ion Ratio Lower Upper

50 100

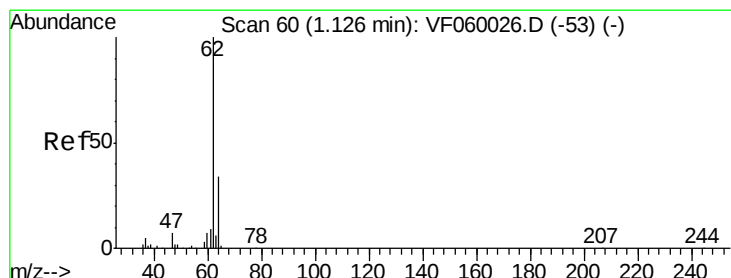
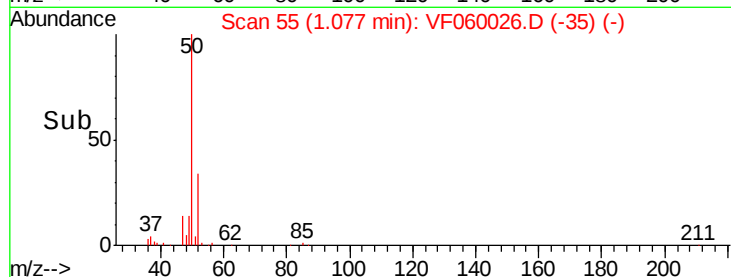
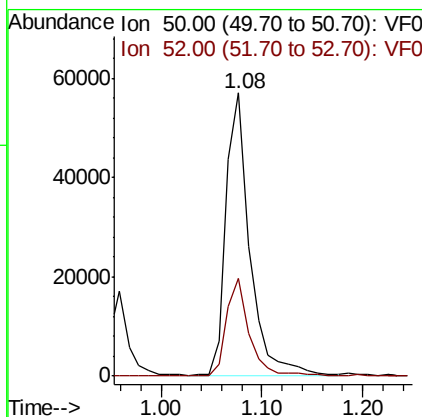
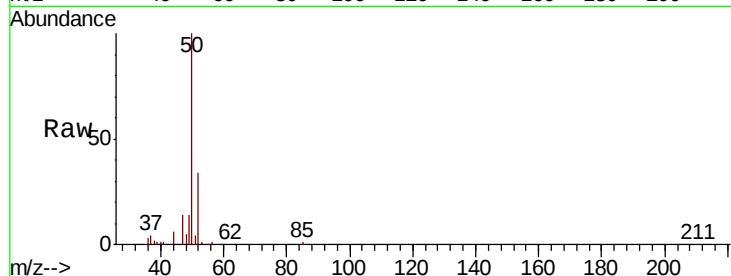
52 34.5 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.03 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060026.D

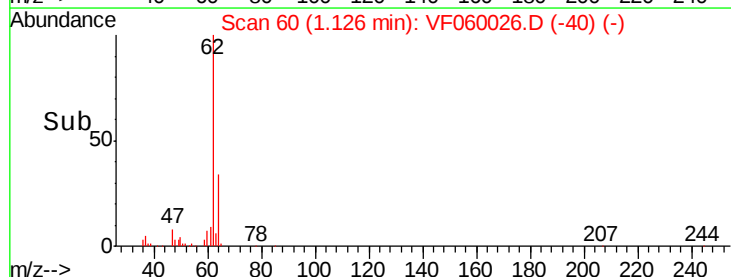
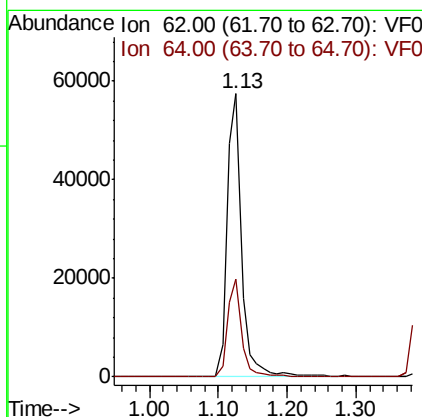
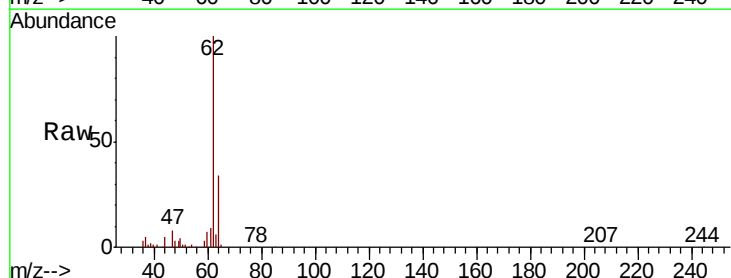
Acq: 21 Aug 2018 18:23

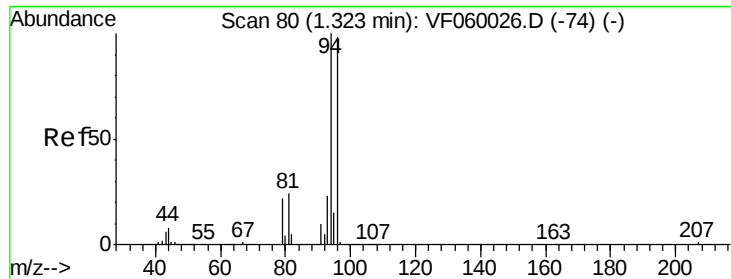
Tgt Ion: 62 Resp: 83910

Ion Ratio Lower Upper

62 100

64 34.3 27.4 41.2





#5

Bromomethane

Concen: 31.57 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

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VSTDICCC050

Tot Ion: 94 Resp: 64953

Ion Ratio Lower Upper

94 100

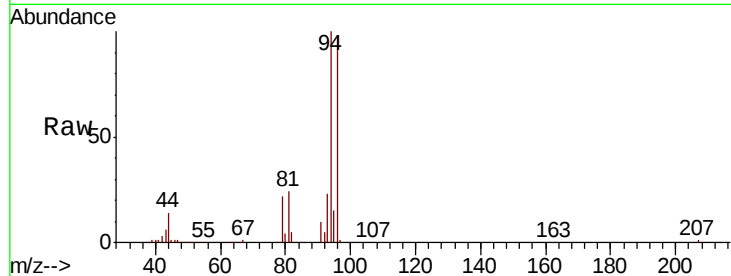
96 98.3 78.6 118.0

Manual Integrations

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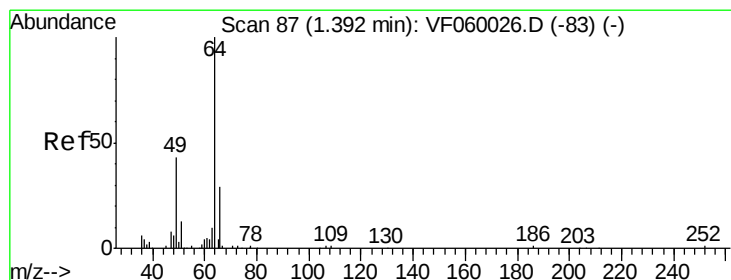
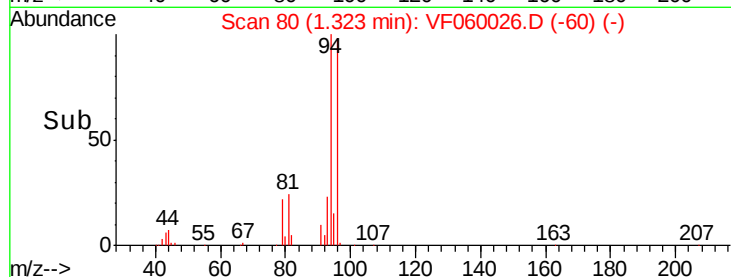
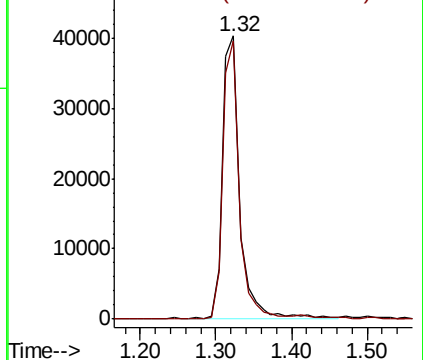
apatel

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 31.29 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060026.D

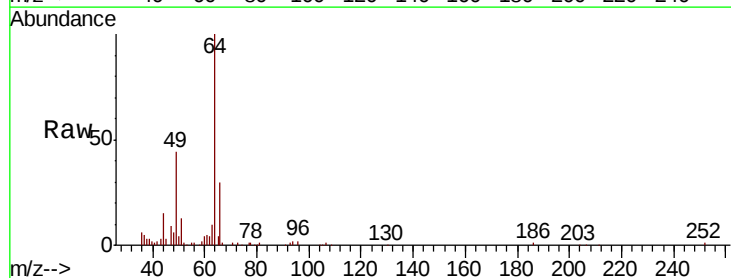
Acq: 21 Aug 2018 18:23

Tgt Ion: 64 Resp: 33611

Ion Ratio Lower Upper

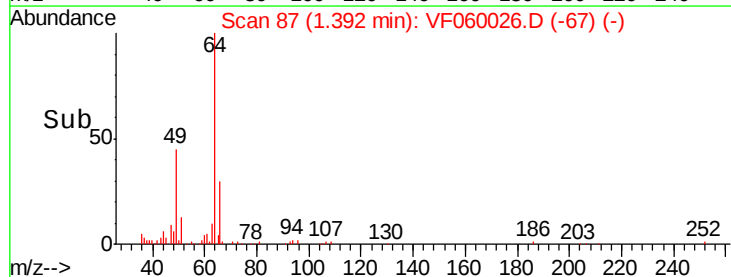
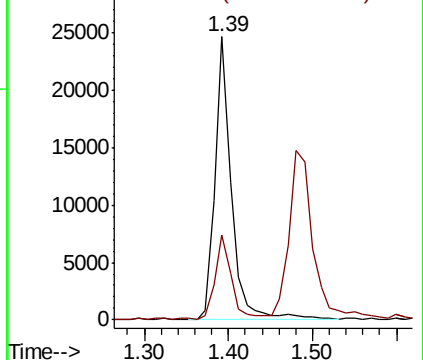
64 100

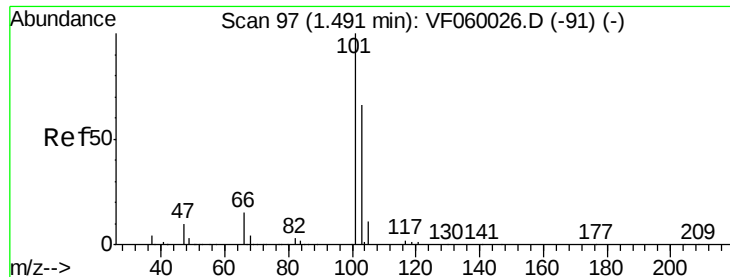
66 30.1 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 31.42 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 185612

Ion Ratio Lower Upper

101 100

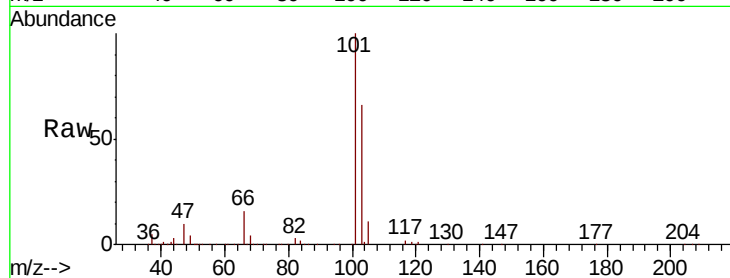
103 65.6 52.5 78.7

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

100000

80000

60000

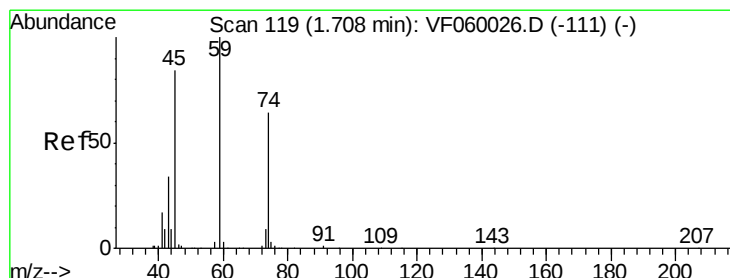
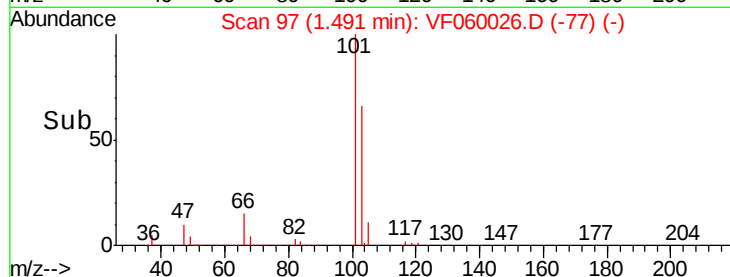
40000

20000

0

1.49

Time-->



#8

Diethyl Ether

Concen: 36.61 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF060026.D

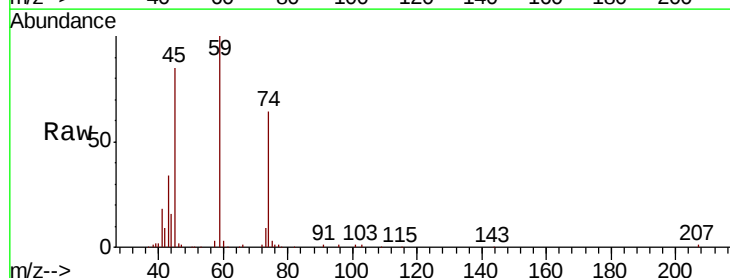
Acq: 21 Aug 2018 18:23

Tgt Ion: 74 Resp: 32657

Ion Ratio Lower Upper

74 100

45 132.0 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

30000

25000

20000

15000

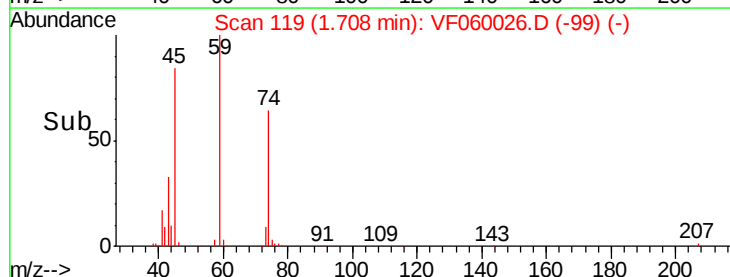
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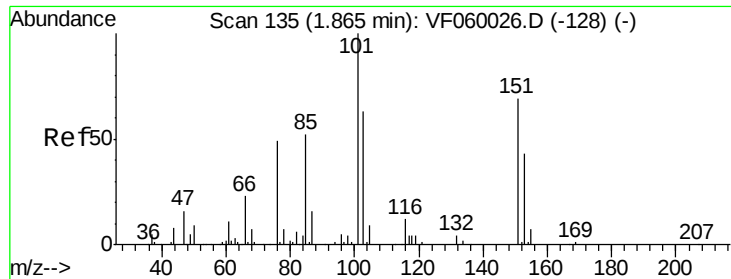
5000

0

1.71

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.61 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.00 min

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MSVOA_F

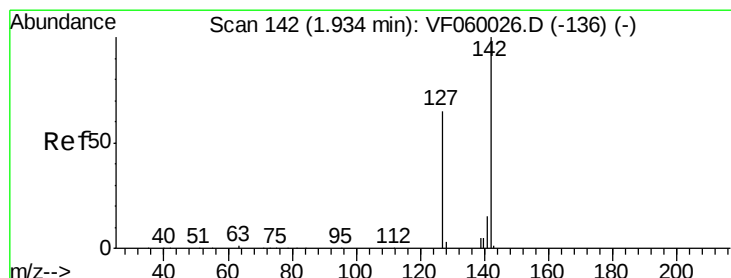
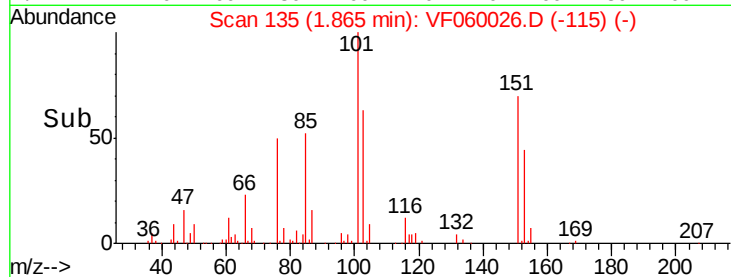
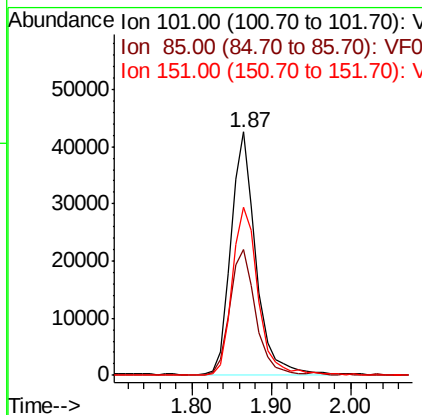
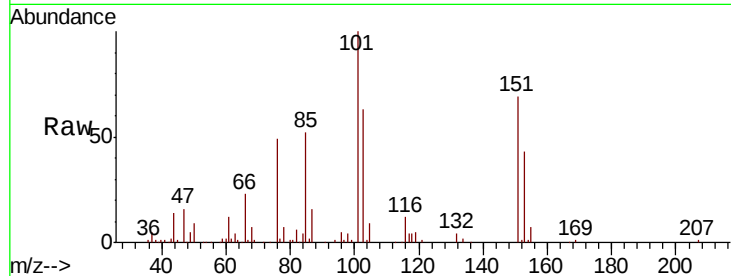
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	94108
Ion Ratio	Lower	Upper	
101	100		
85	51.9	41.5	62.3
151	69.0	55.2	82.8

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#10

Methyl Iodide

Concen: 36.68 ug/l

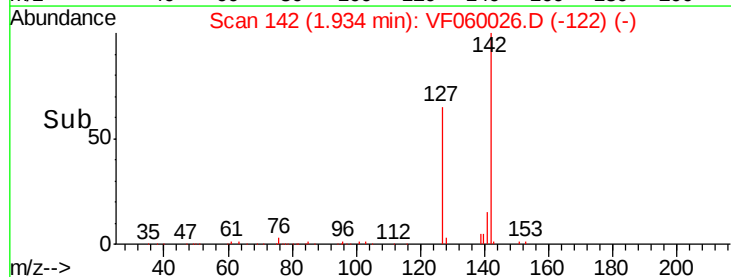
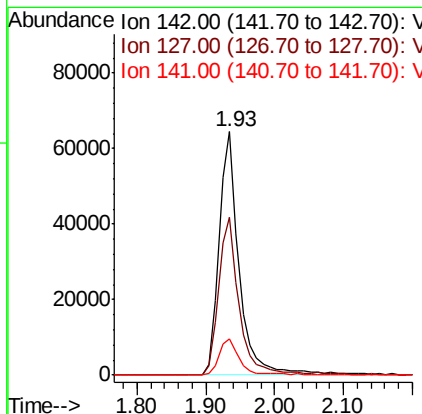
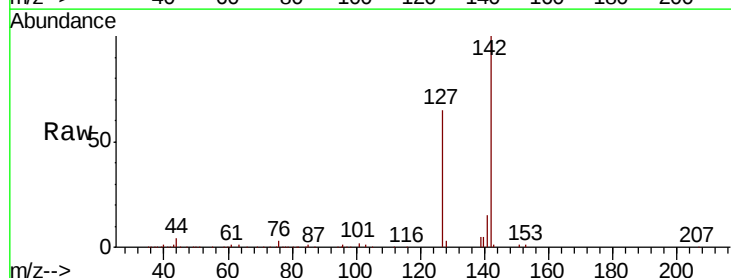
RT: 1.93 min Scan# 142

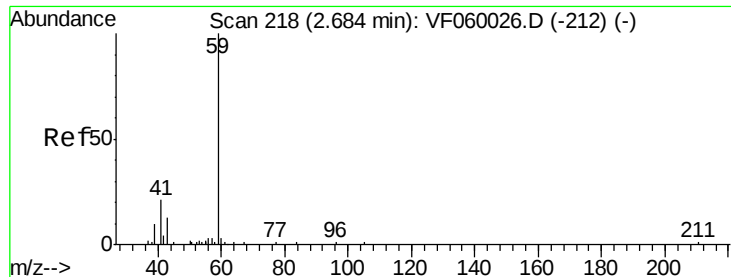
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	142	Resp:	129977
Ion Ratio	Lower	Upper	
142	100		
127	64.7	51.8	77.6
141	14.9	11.9	17.9





#11

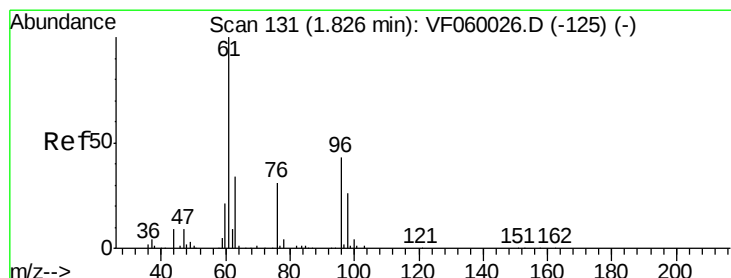
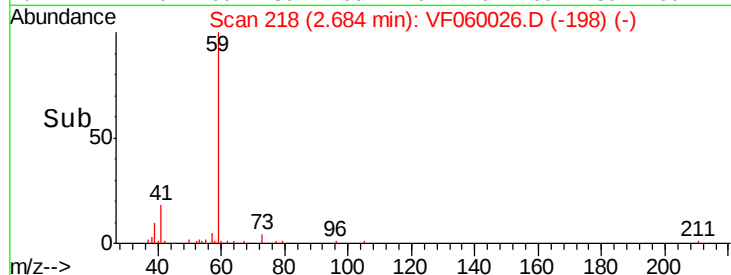
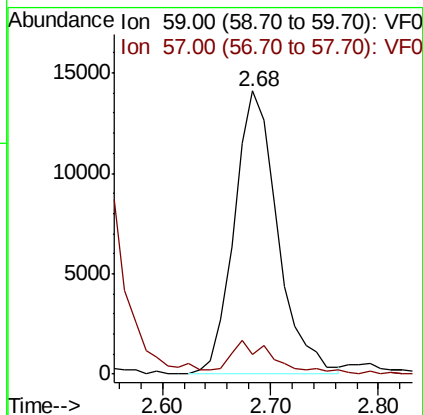
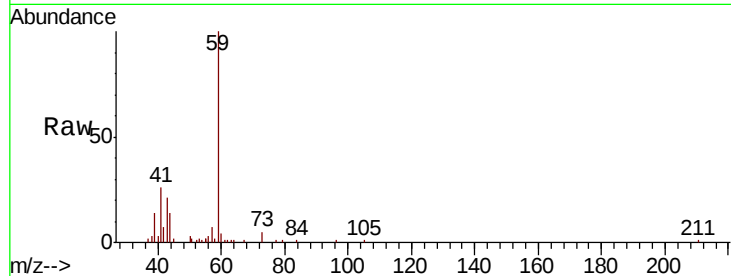
Tert butyl alcohol
 Concen: 169.71 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	39396
Ion Ratio	100	Lower	Upper
57	6.8	5.4	8.2

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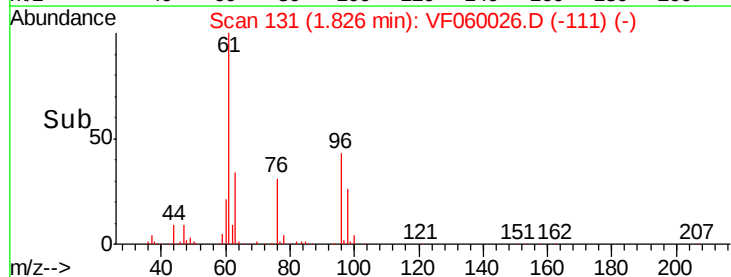
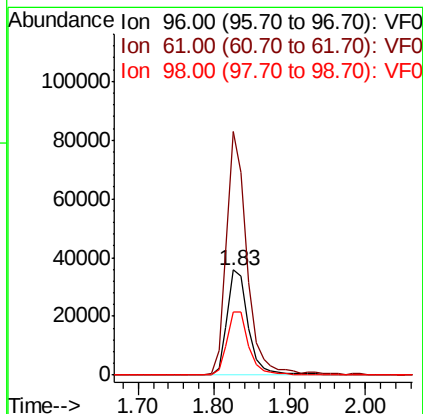
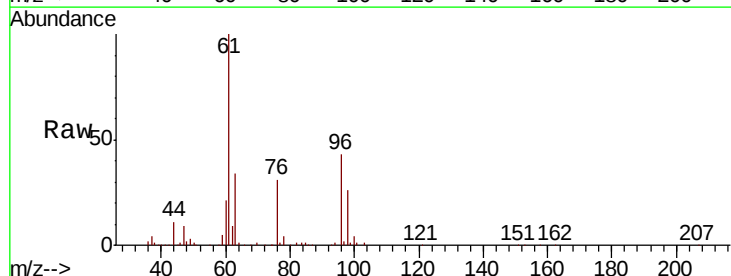
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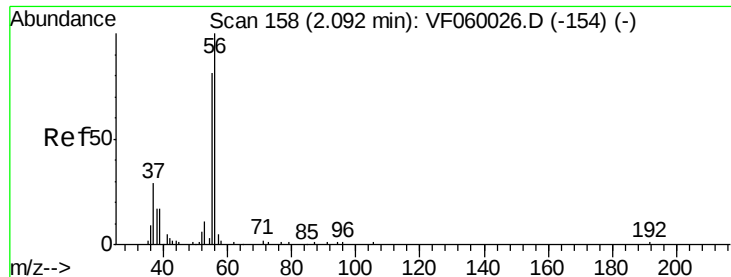


#12

1,1-Dichloroethene
 Concen: 35.72 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	96	Resp	69825
Ion Ratio	100	Lower	Upper
61	231.3	185.0	277.6
98	59.8	47.8	71.8





#13

Acrolein

Concen: 187.15 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 23493

Ion Ratio Lower Upper

56 100

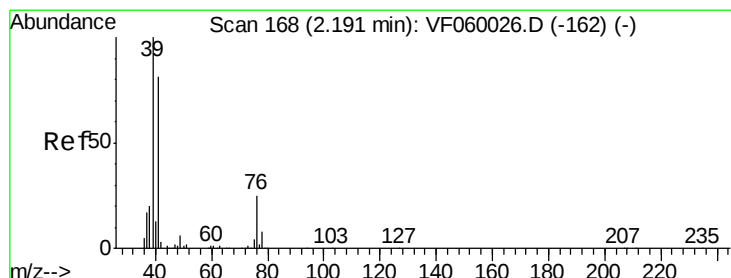
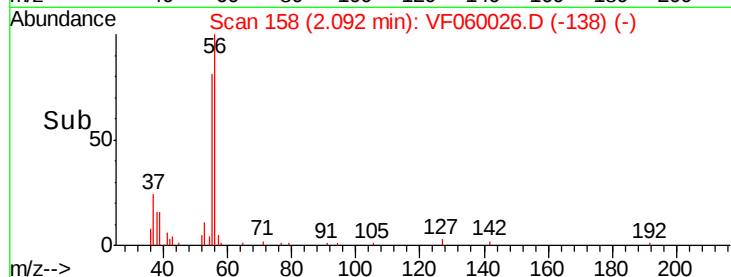
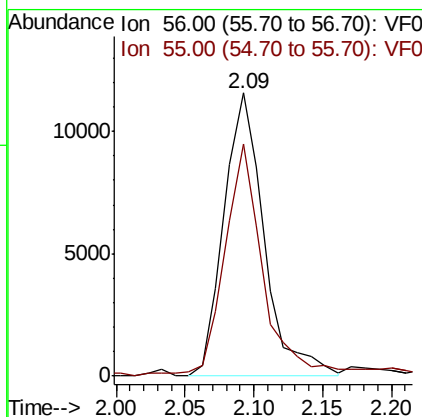
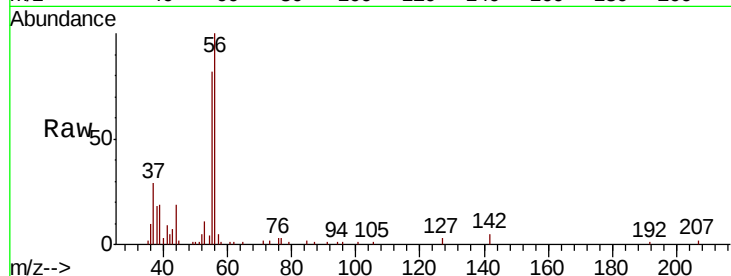
55 82.0 65.6 98.4

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#14

Allyl chloride

Concen: 35.79 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

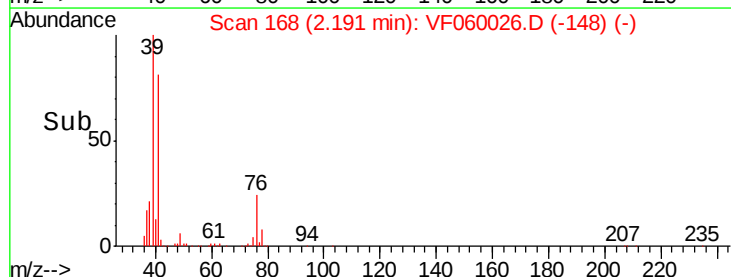
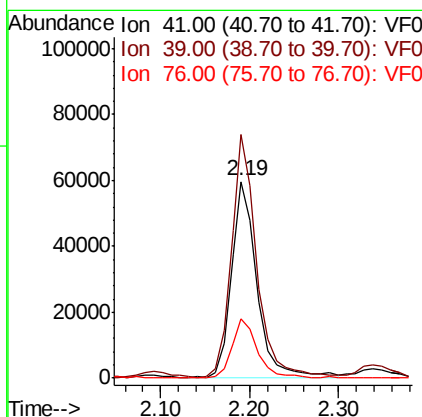
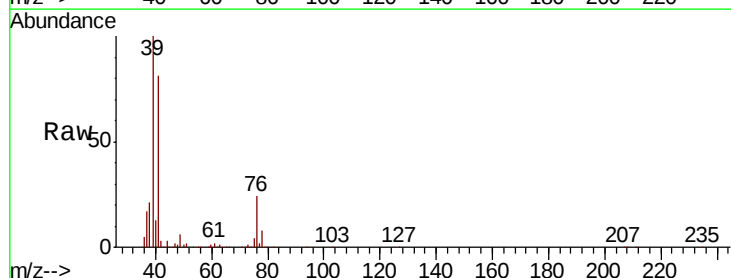
Tgt Ion: 41 Resp: 118382

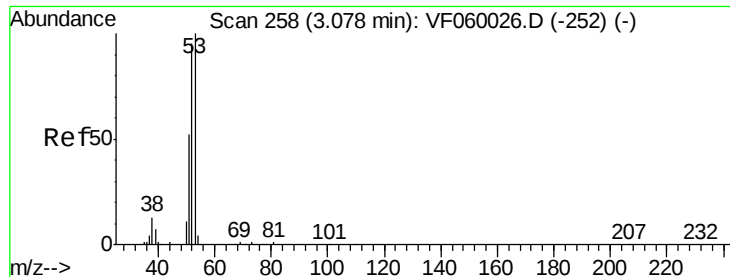
Ion Ratio Lower Upper

41 100

39 124.1 99.3 148.9

76 30.4 24.3 36.5





#15

Acrylonitrile

Concen: 195.39 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

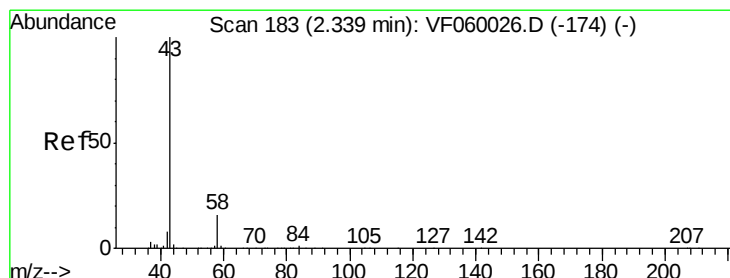
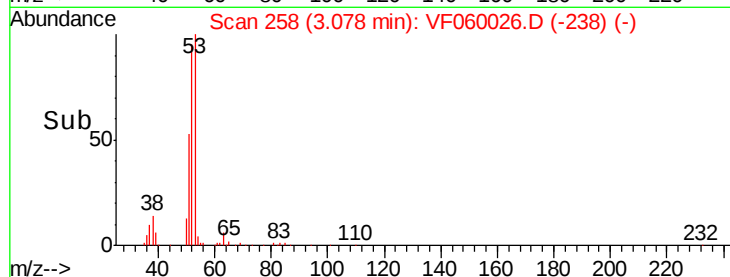
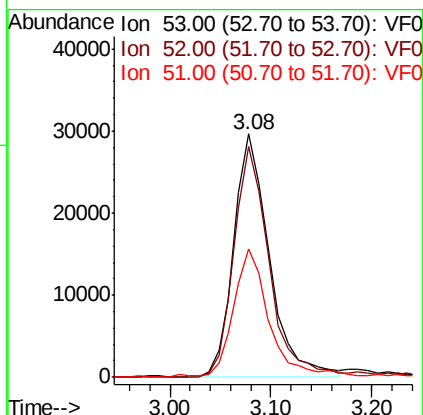
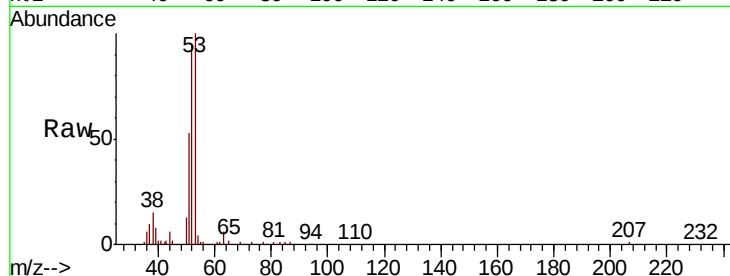
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	73191
Ion	Ratio	Lower	Upper
53	100		
52	94.8	75.8	113.8
51	52.6	42.1	63.1

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#16

Acetone

Concen: 157.77 ug/l

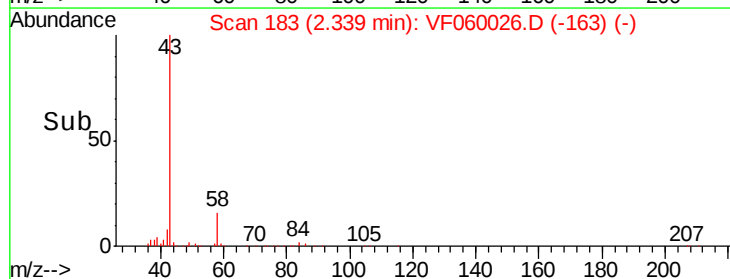
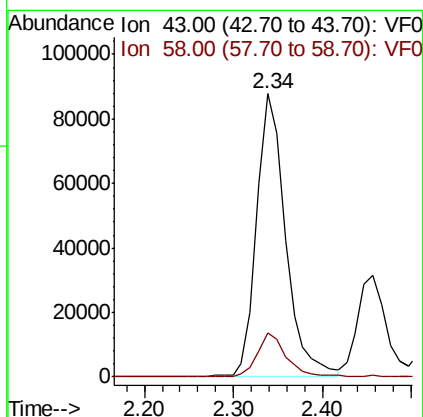
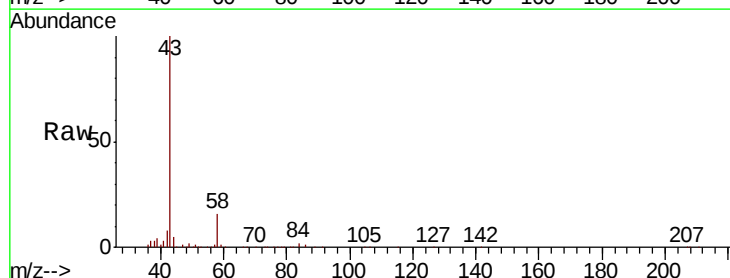
RT: 2.34 min Scan# 183

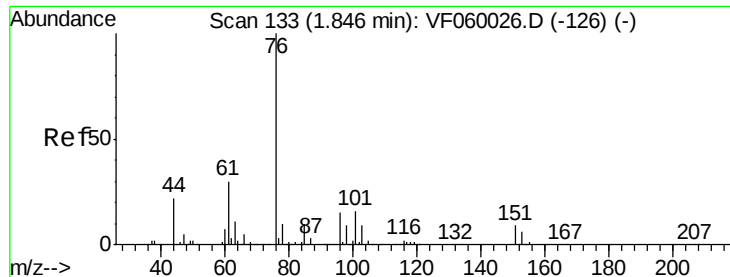
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	43	Resp:	195991
Ion	Ratio	Lower	Upper
43	100		
58	15.8	12.6	19.0





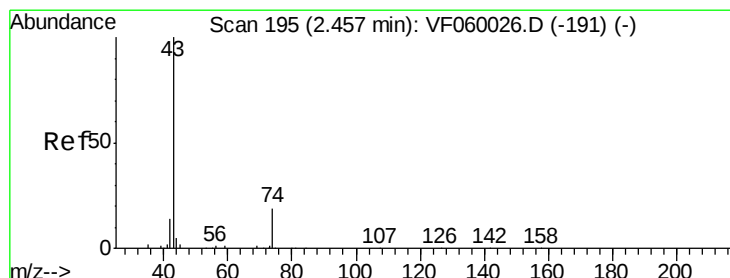
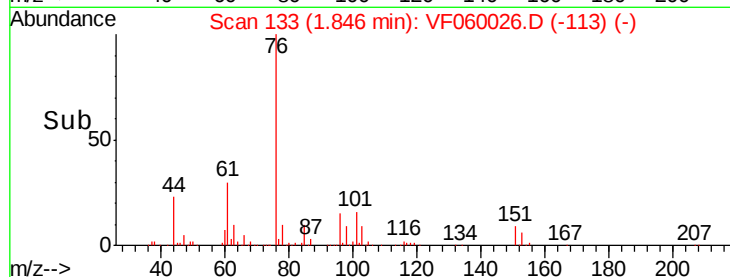
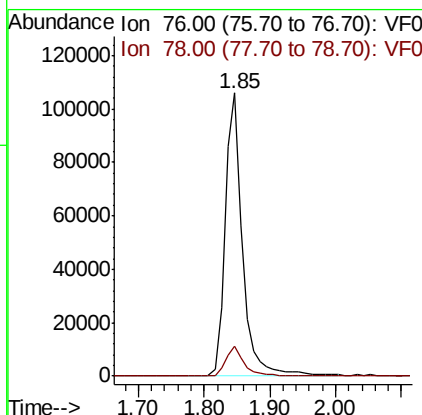
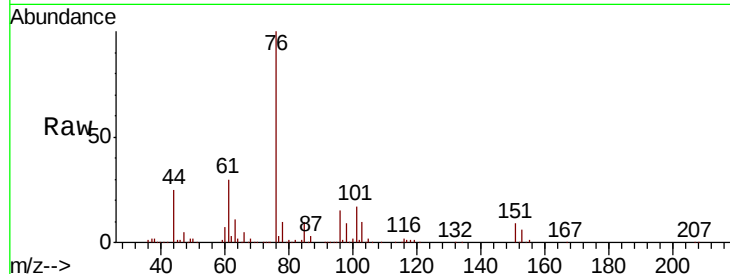
#17
Carbon Disulfide
Concen: 31.59 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	8.4	12.6

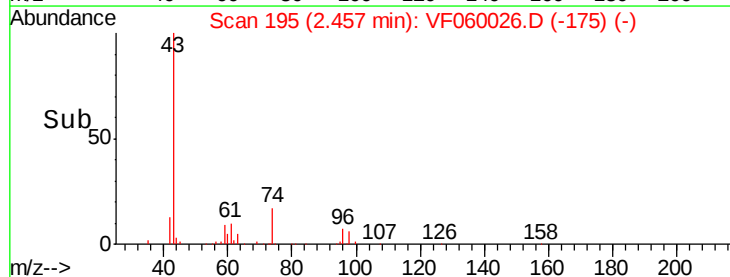
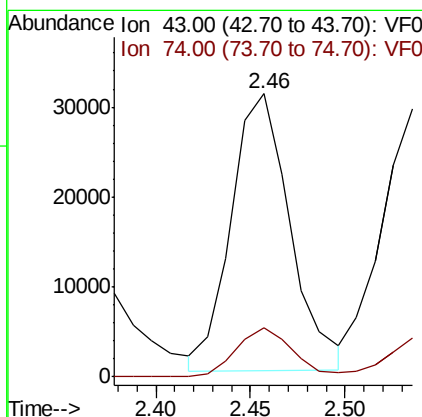
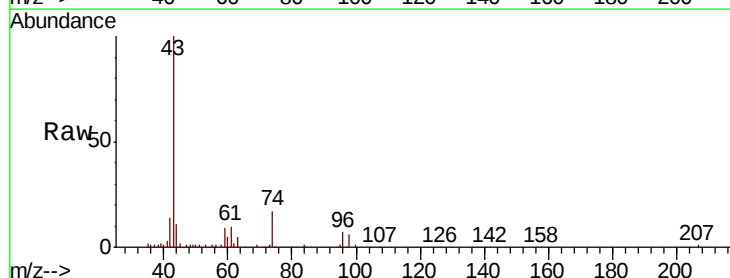
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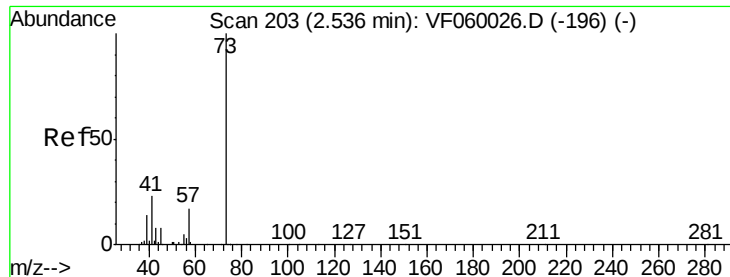
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#18
Methyl Acetate
Concen: 28.04 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	13.8	20.6





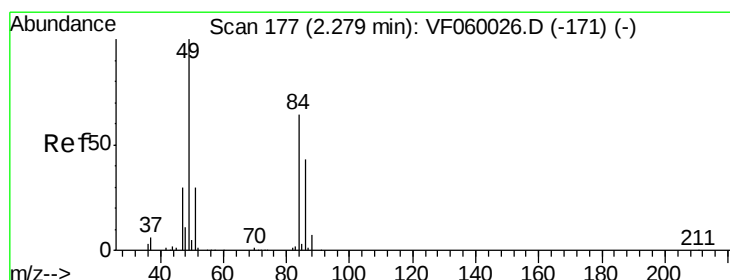
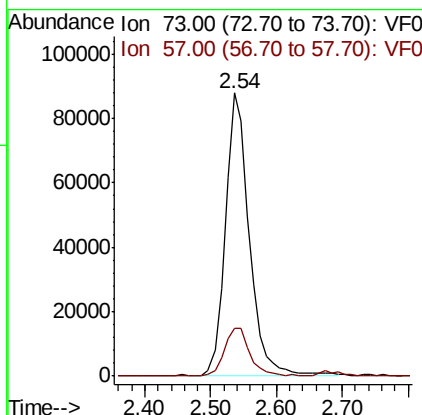
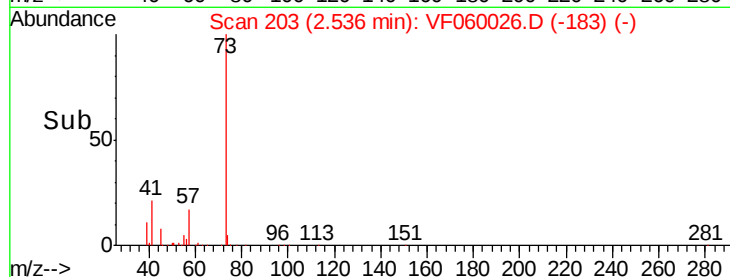
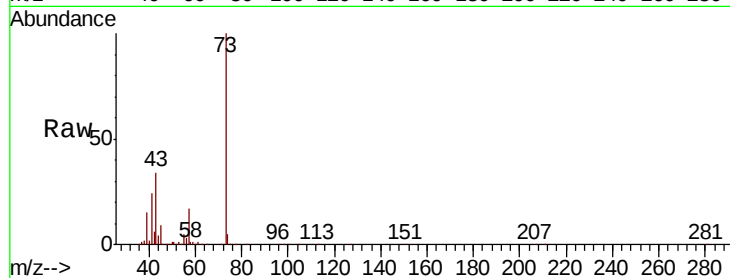
#19
Methyl tert-butyl Ether
Concen: 34.96 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	13.7	20.5

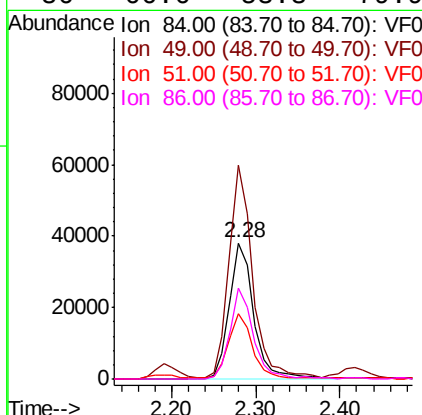
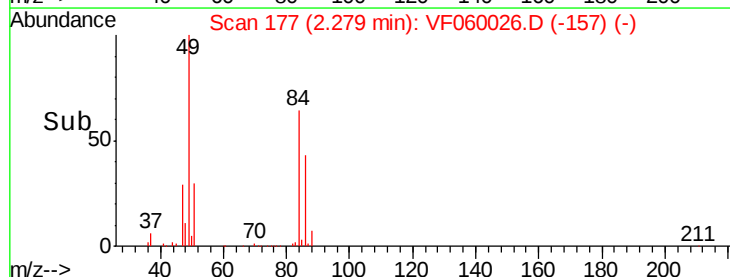
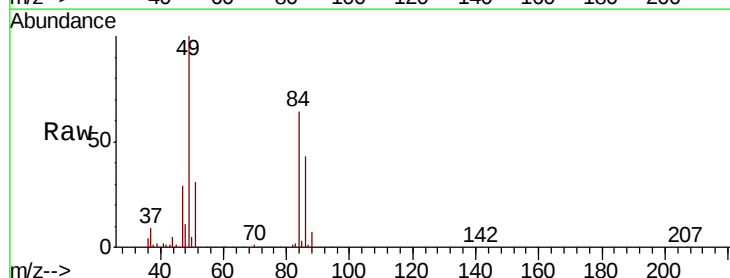
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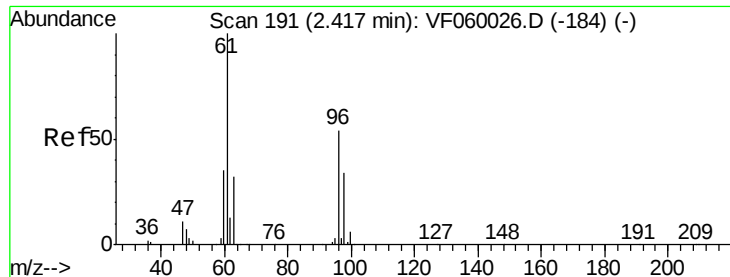
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#20
Methylene Chloride
Concen: 28.18 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.7	125.4	188.0
51	47.9	38.3	57.5
86	66.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 33.76 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

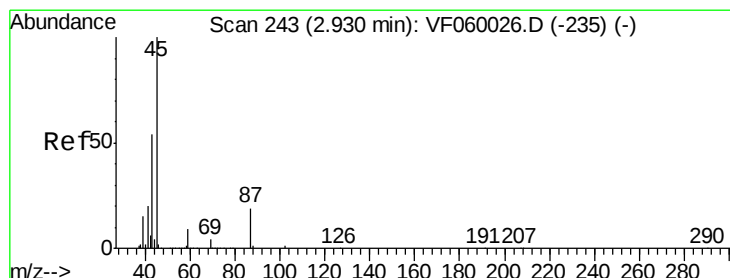
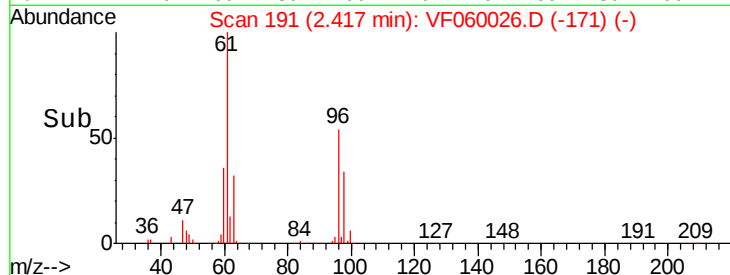
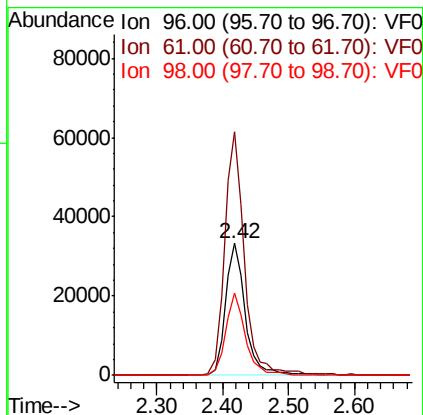
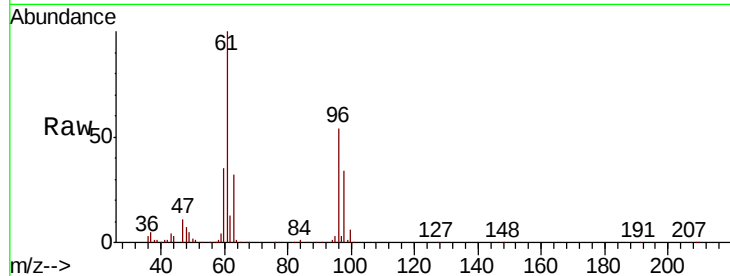
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	70726
Ion	Ratio	Lower	Upper
96	100		
61	184.2	147.4	221.0
98	62.2	49.8	74.6

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#22

Diisopropyl ether

Concen: 38.78 ug/l

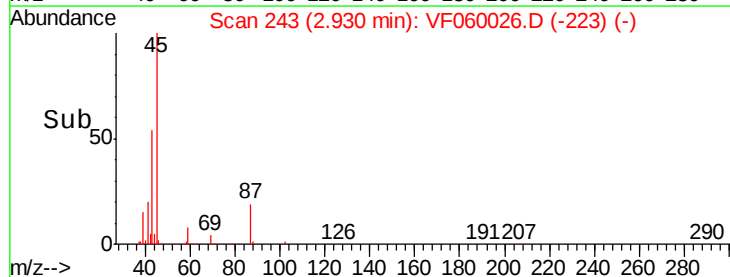
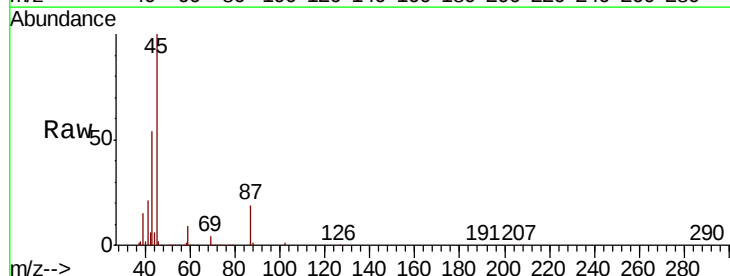
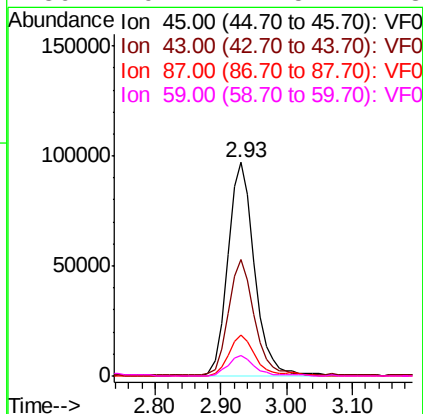
RT: 2.93 min Scan# 243

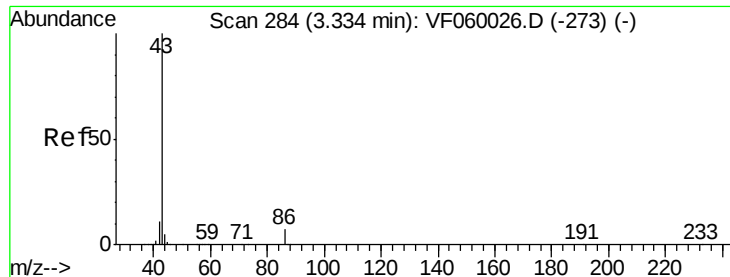
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	45	Resp:	275205
Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.4	65.2
87	19.3	15.4	23.2
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 264.28 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 783928

Ion Ratio Lower Upper

43 100

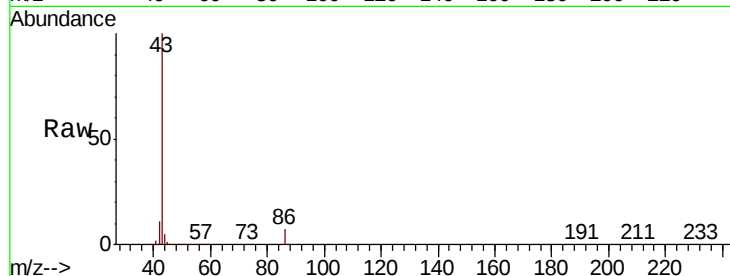
86 7.0 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

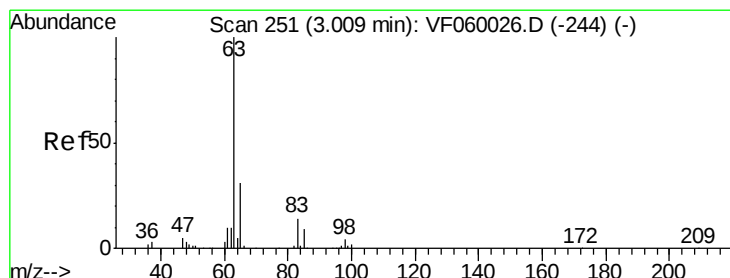
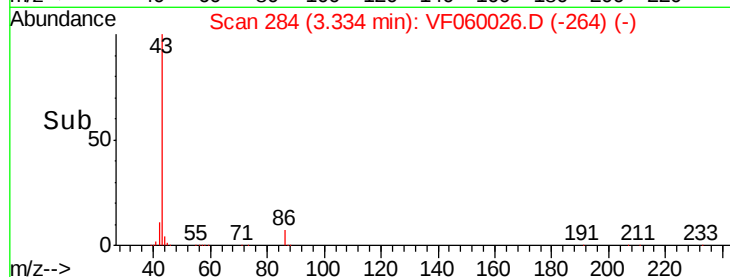
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 36.44 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

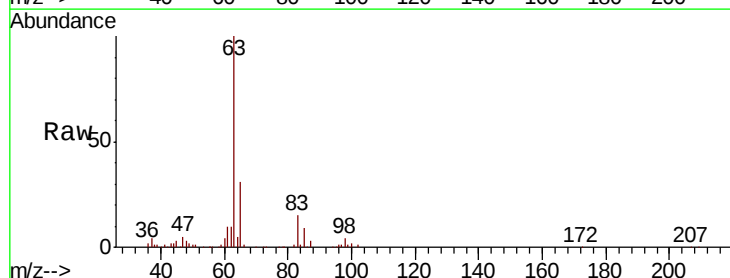
Tgt Ion: 63 Resp: 166978

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 2.2 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

3.01

80000

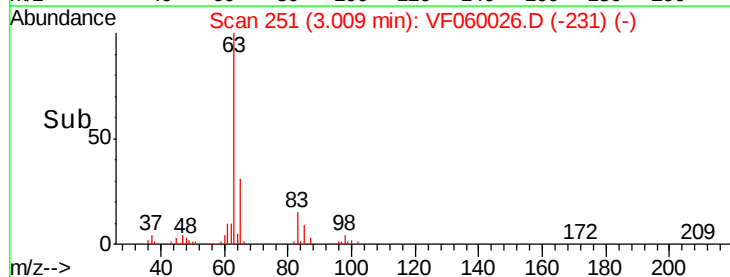
60000

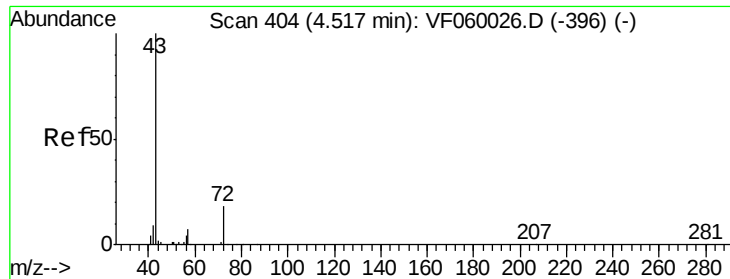
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.93 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 251237

Ion Ratio Lower Upper

43 100

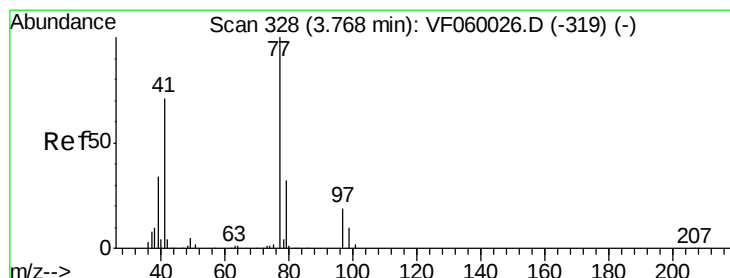
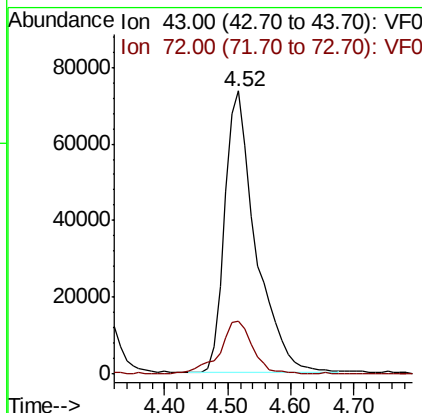
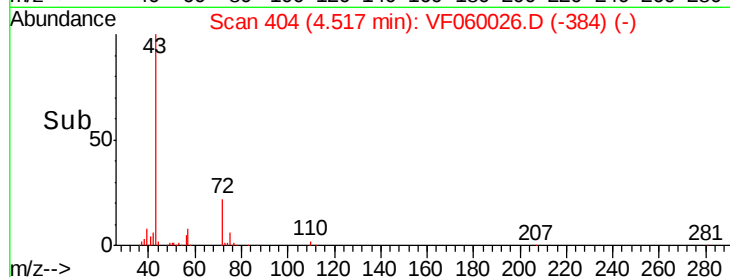
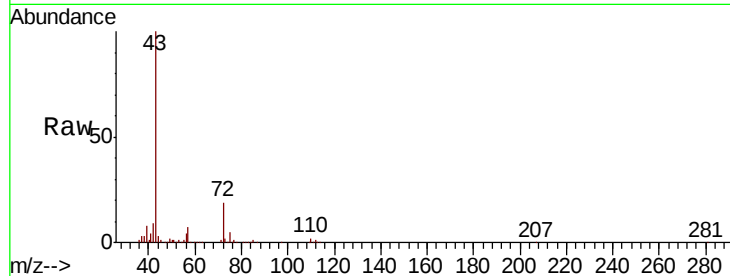
72 18.8 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.97 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF060026.D

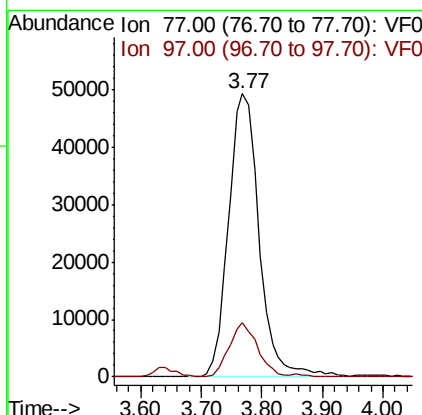
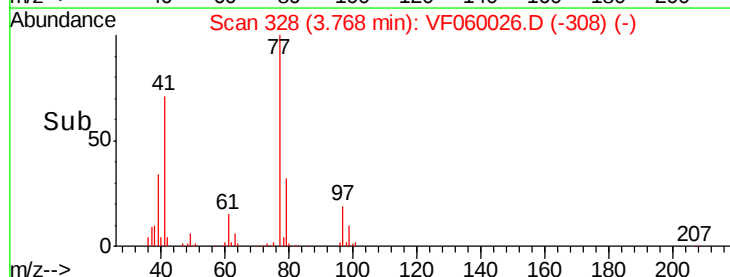
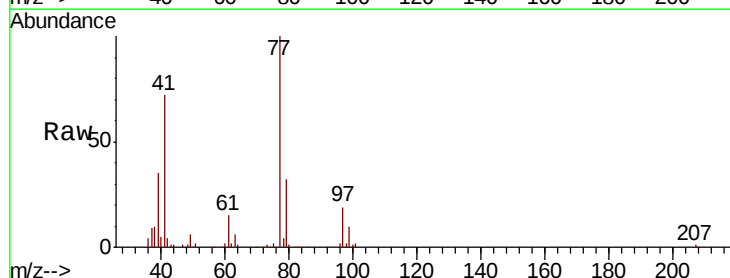
Acq: 21 Aug 2018 18:23

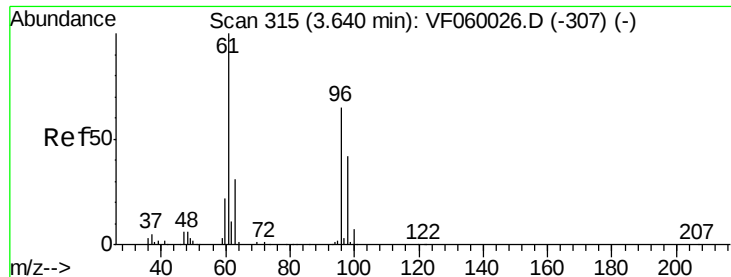
Tgt Ion: 77 Resp: 173643

Ion Ratio Lower Upper

77 100

97 19.4 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 54.13 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

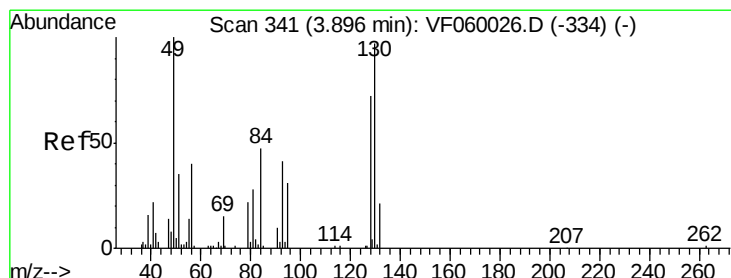
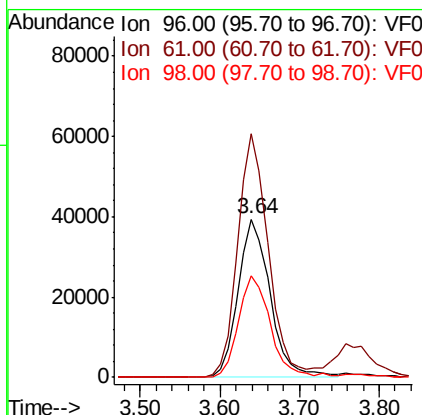
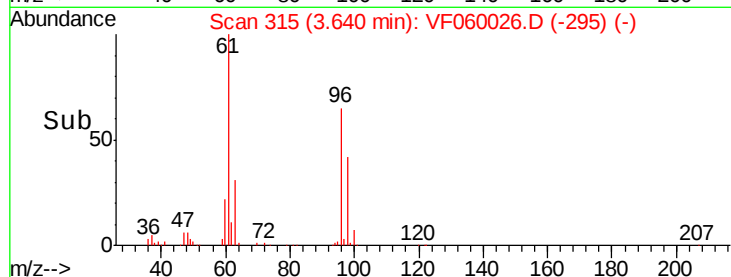
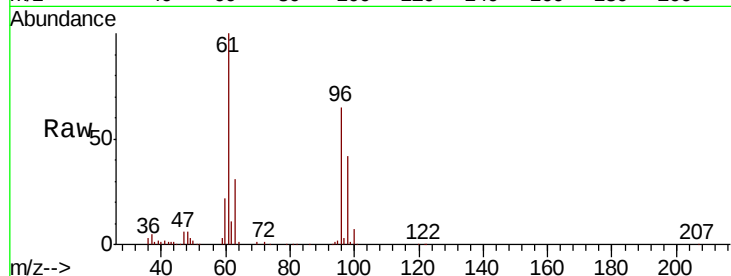
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	110240
Ion Ratio	Lower	Upper	
96	100		
61	153.8	0.0	307.6
98	64.2	0.0	128.4

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#28

Bromochloromethane

Concen: 48.49 ug/l

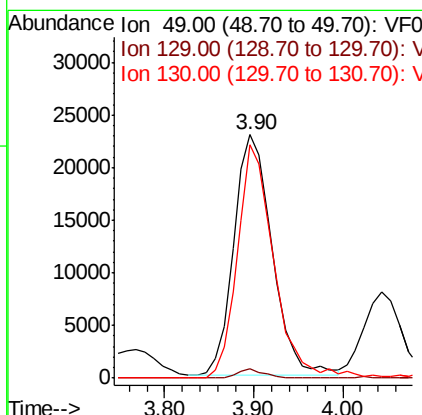
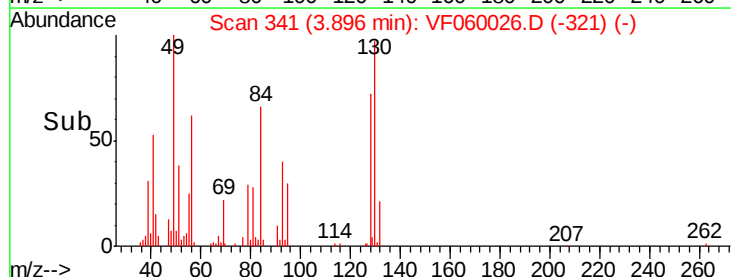
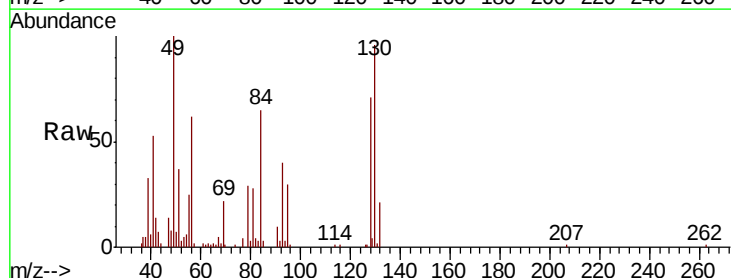
RT: 3.90 min Scan# 341

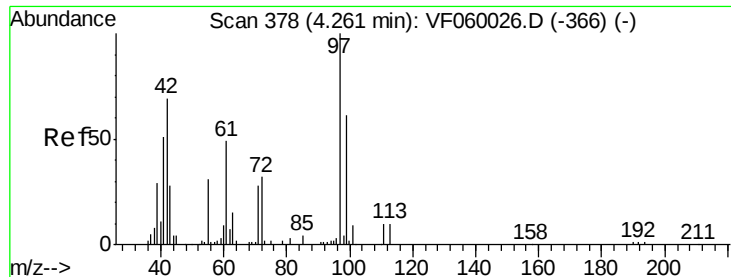
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	49	Resp:	68536
Ion Ratio	Lower	Upper	
49	100		
129	3.7	0.0	7.4
130	97.5	78.0	117.0





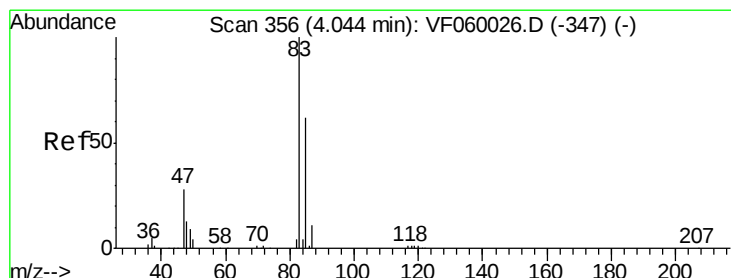
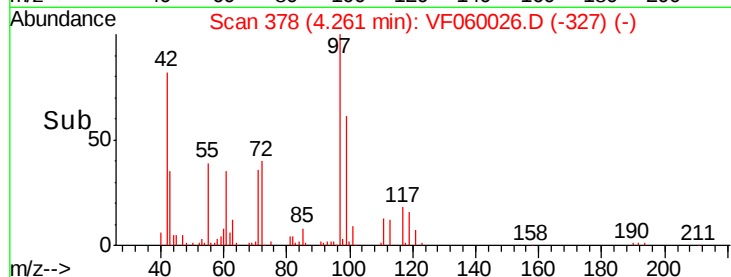
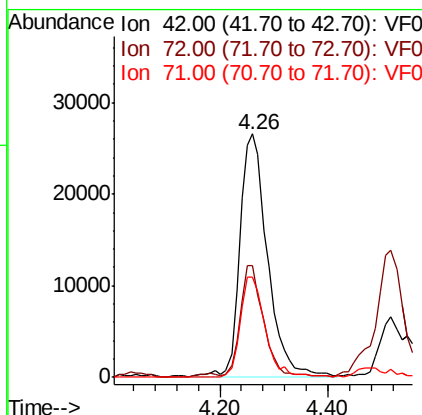
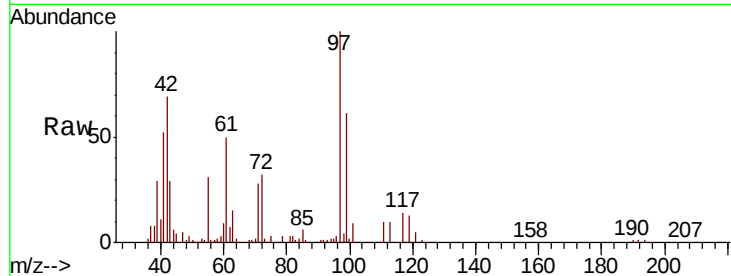
#29
Tetrahydrofuran
Concen: 257.79 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	37.1	29.7	44.5

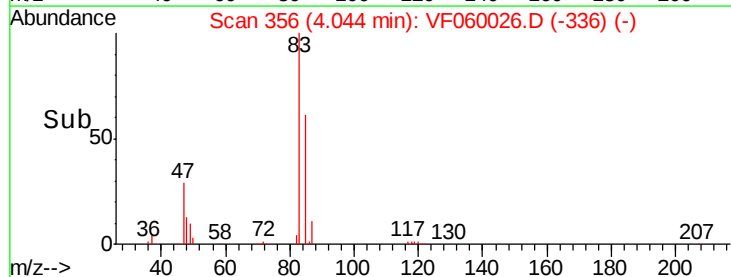
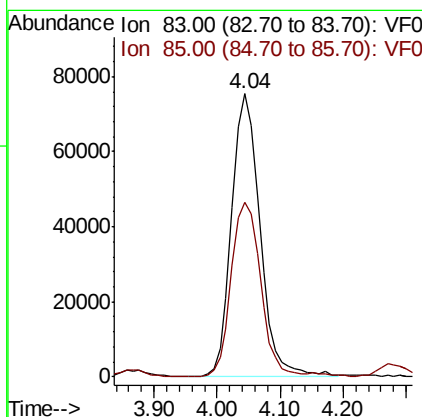
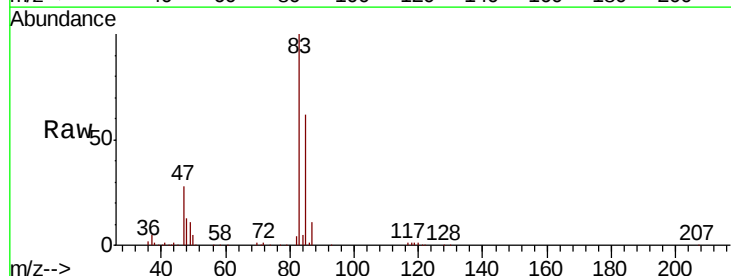
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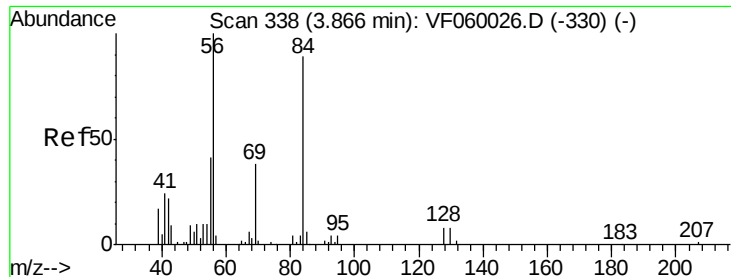
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#30
Chloroform
Concen: 42.99 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.5	74.3





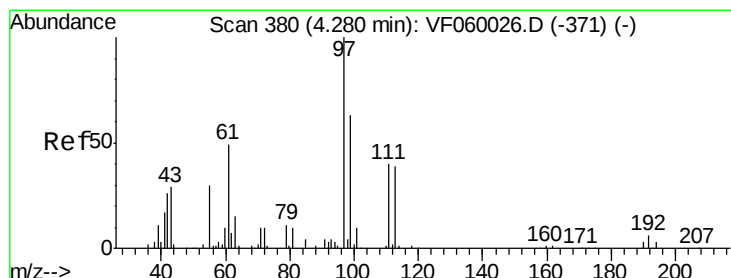
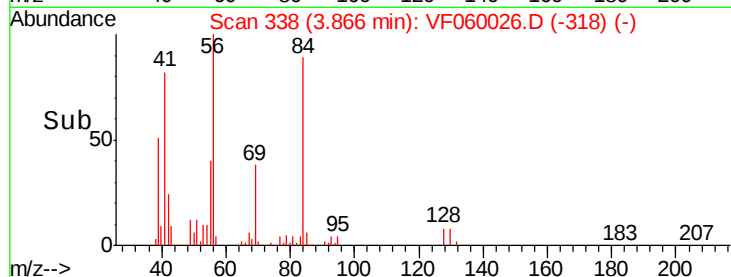
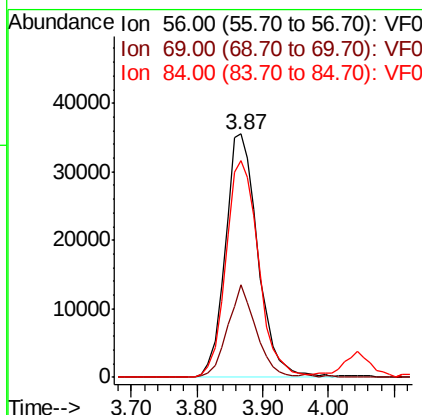
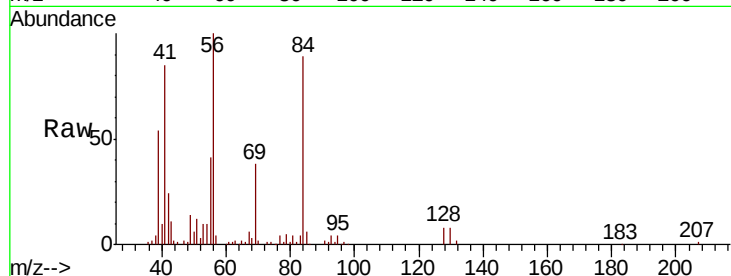
#31
Cyclohexane
Concen: 53.68 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	30.4	45.6
84	89.3	71.4	107.2

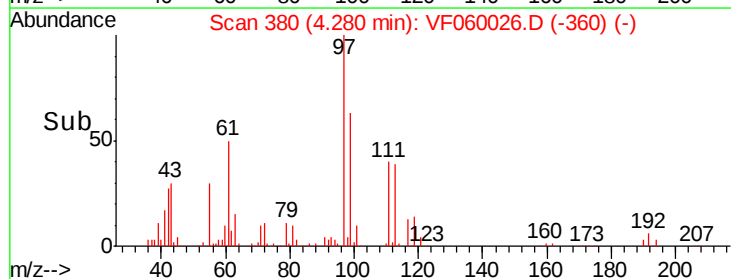
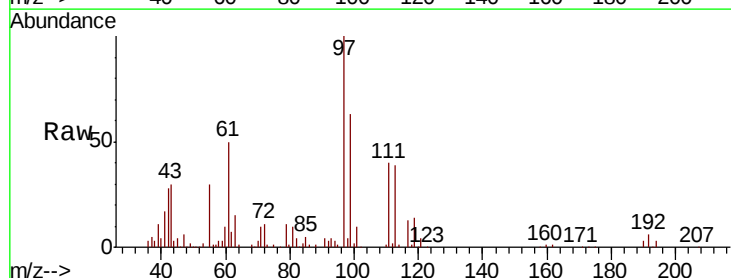
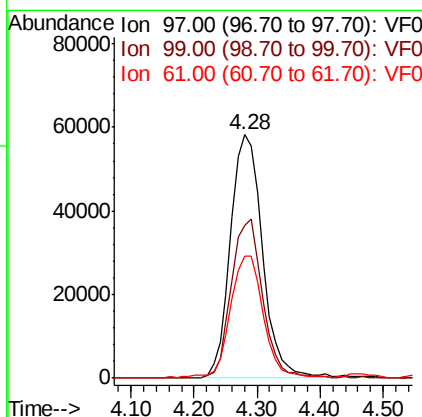
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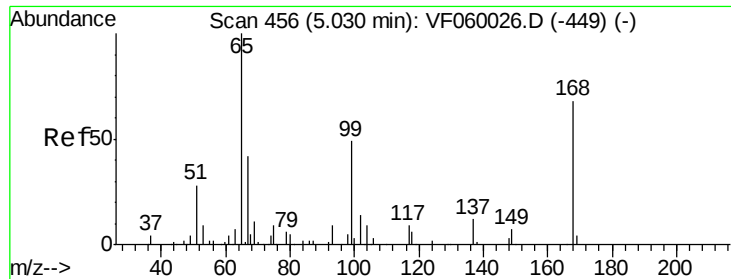
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#32
1,1,1-Trichloroethane
Concen: 39.10 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.3	75.5
61	50.4	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 35.46 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 141680

Ion Ratio Lower Upper

65 100

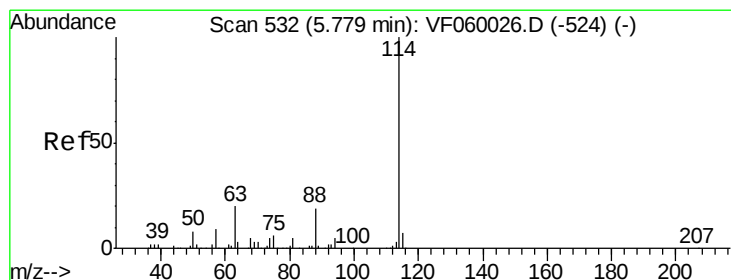
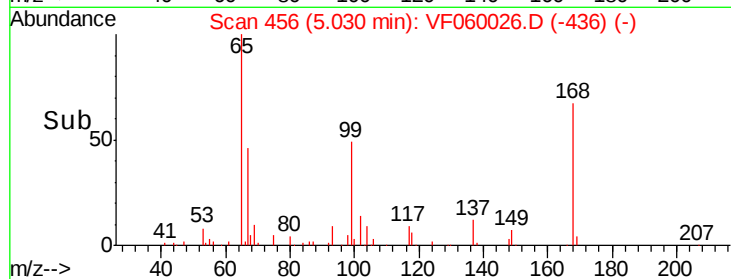
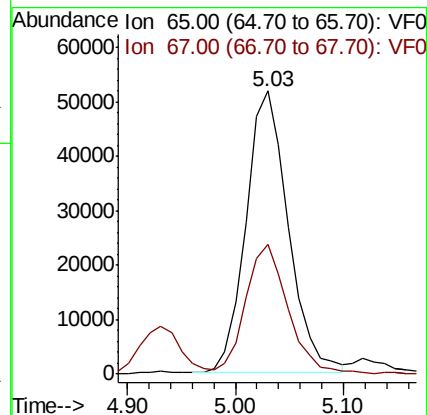
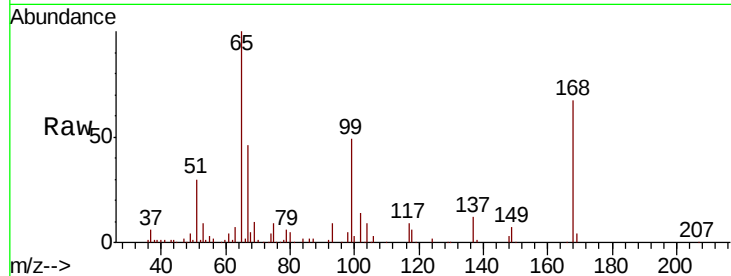
67 46.0 0.0 92.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

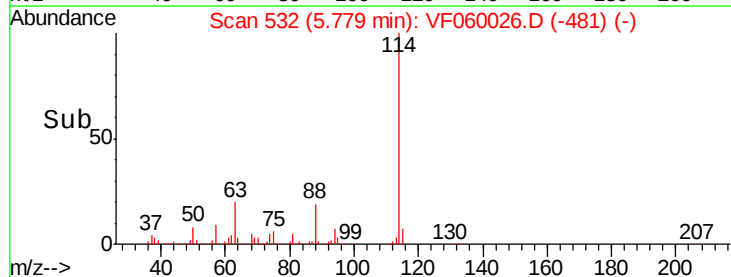
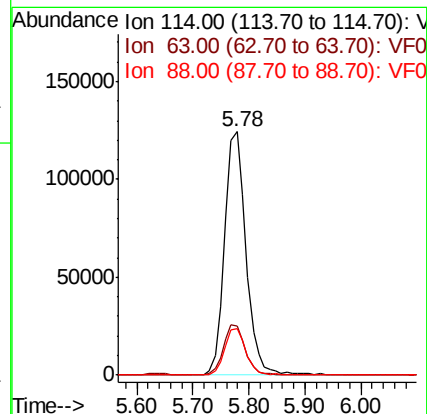
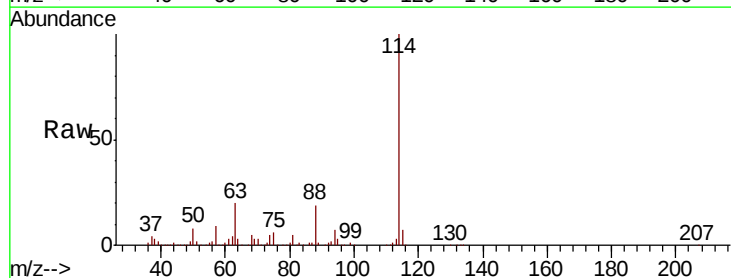
Tgt Ion: 114 Resp: 334248

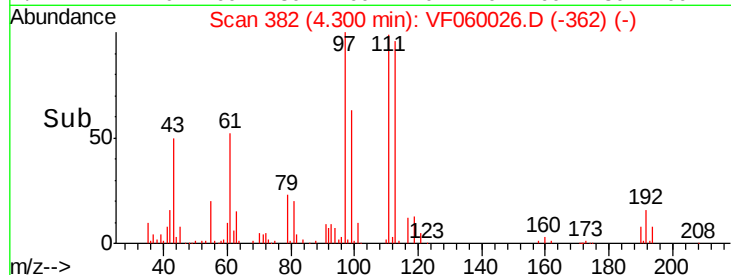
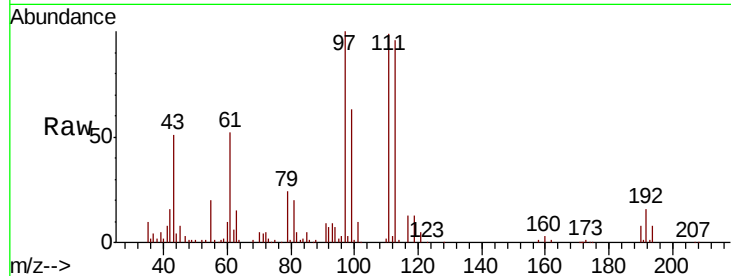
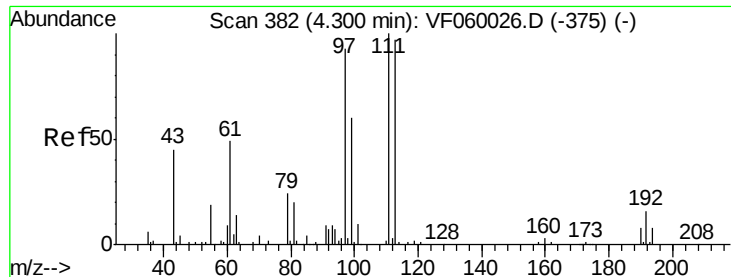
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 19.3 0.0 38.6





#35

Dibromofluoromethane

Concen: 39.66 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF060026.D

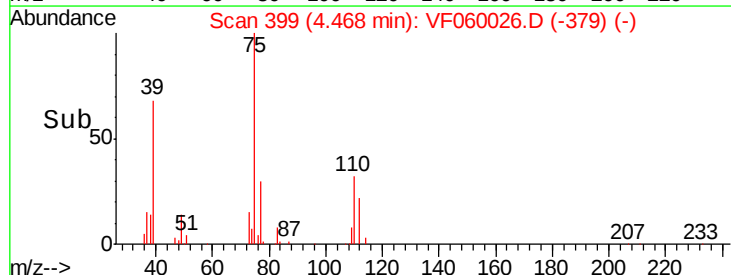
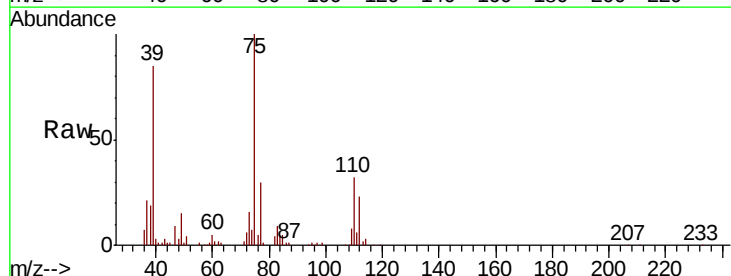
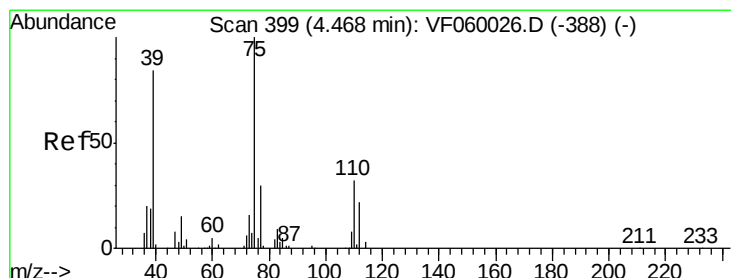
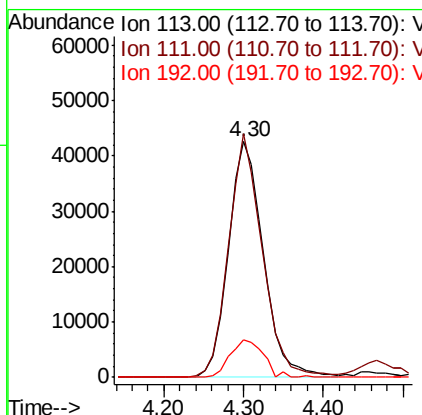
Acq: 21 Aug 2018 18:23

Tot Ion:	113	Resp:	130300
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.7	124.1
192	16.2	13.0	19.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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#36

1,1-Dichloropropene

Concen: 40.96 ug/l

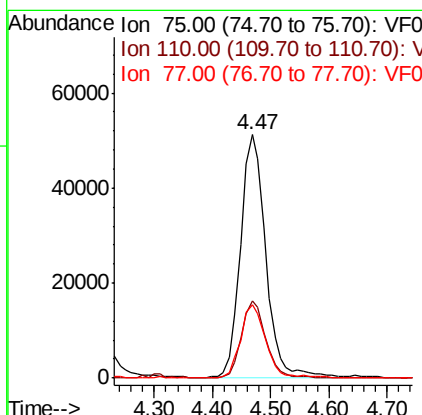
RT: 4.47 min Scan# 399

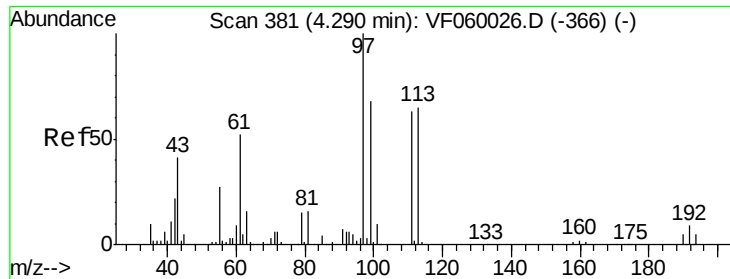
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	75	Resp:	153490
Ion Ratio	Lower	Upper	
75	100		
110	31.9	16.0	47.9
77	30.1	24.1	36.1





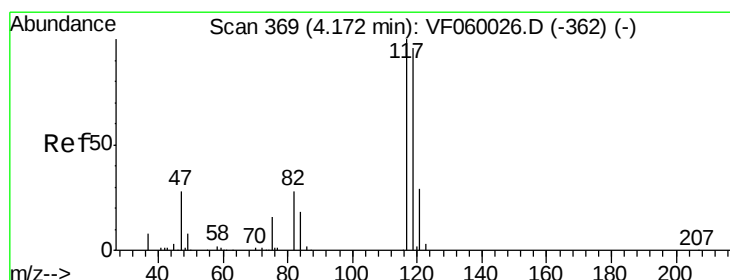
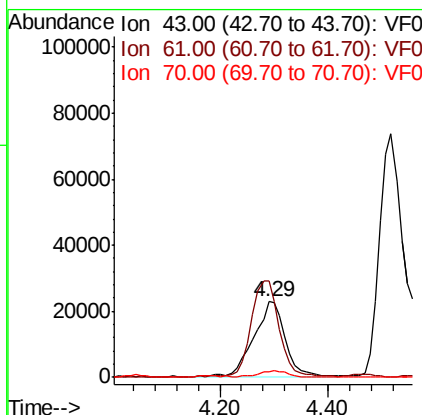
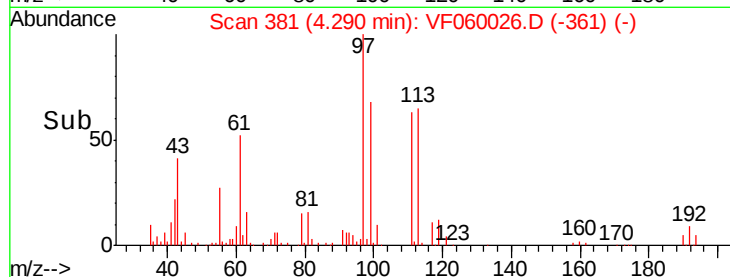
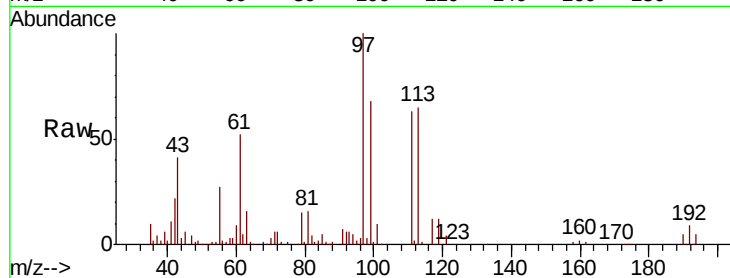
#37
Ethyl Acetate
Concen: 44.75 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	126.9	101.5	152.3
70	8.0	6.4	9.6

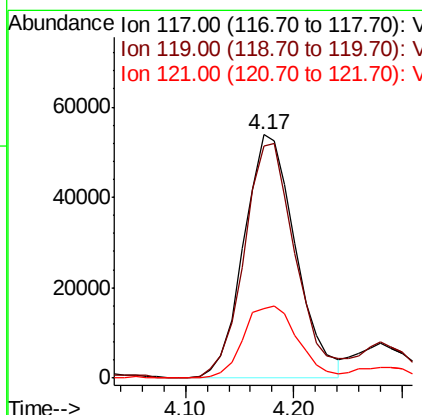
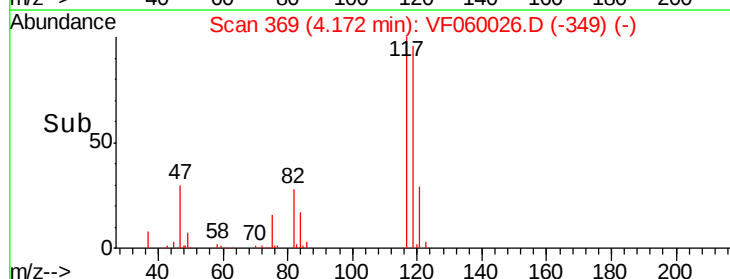
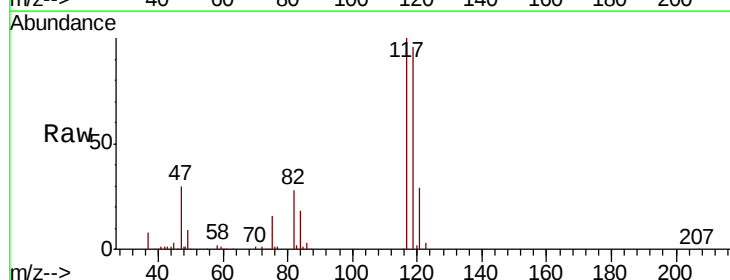
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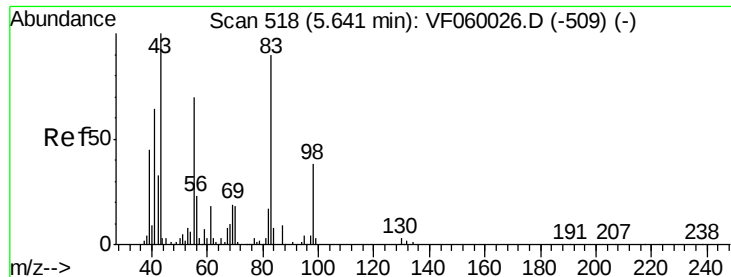
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#38
Carbon Tetrachloride
Concen: 34.62 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	28.8	23.0	34.6





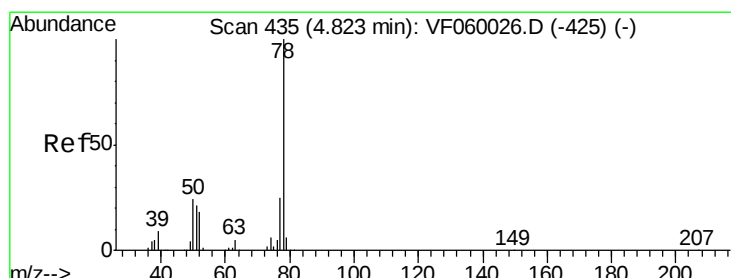
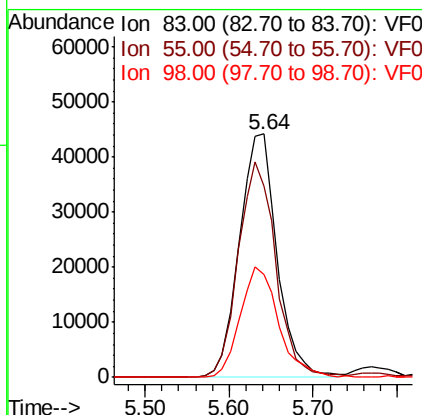
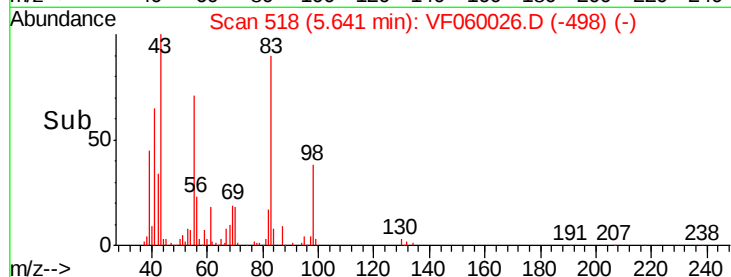
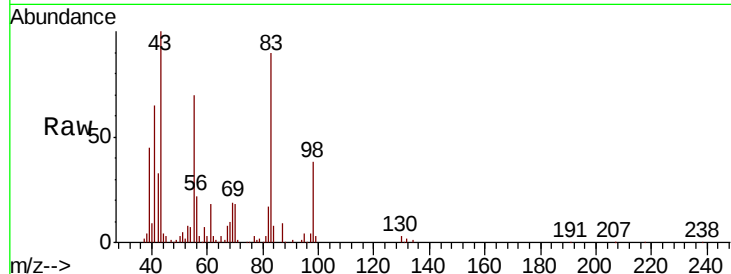
#39
Methvlcvclohexane
Concen: 48.29 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	62.7	94.1
98	42.3	33.8	50.8

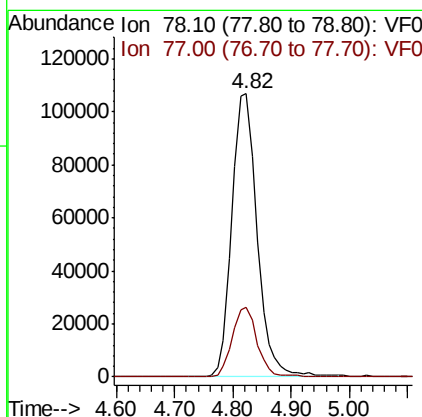
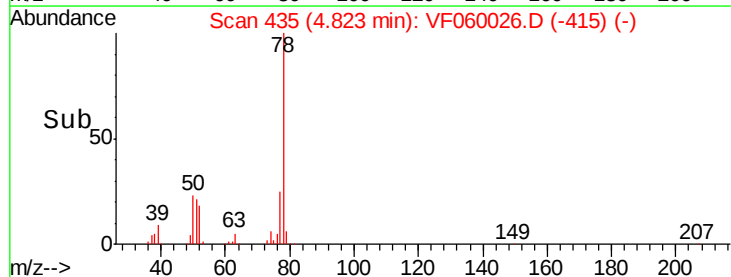
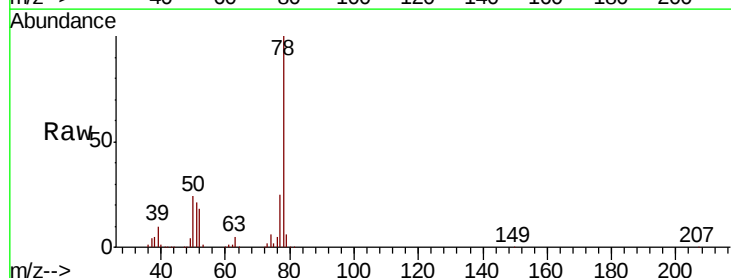
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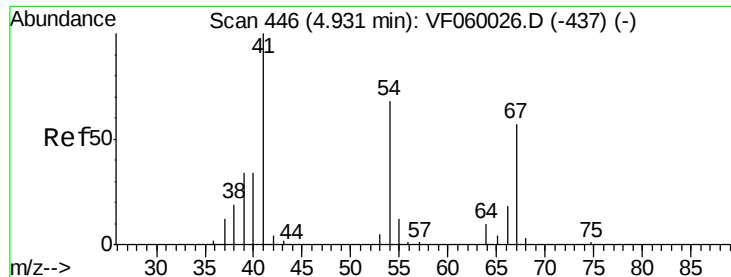
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#40
Benzene
Concen: 50.56 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





#41

Methacrylonitrile

Concen: 45.26 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

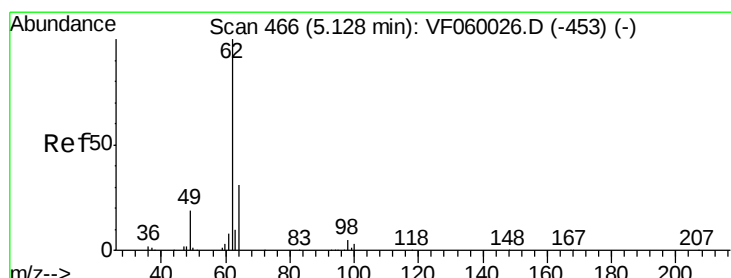
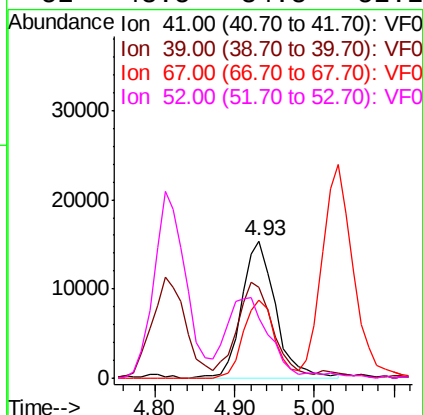
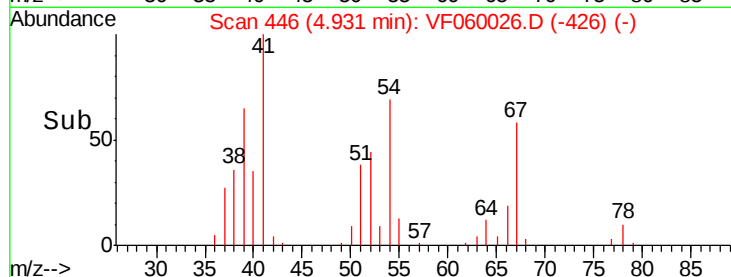
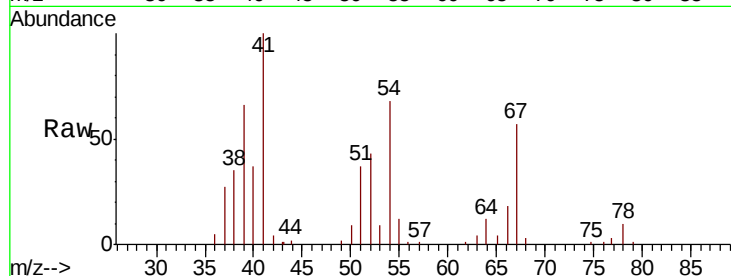
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.1	52.9	79.3	
67	56.6	45.3	67.9	
52	43.5	34.8	52.2	

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#42

1,2-Dichloroethane

Concen: 34.42 ug/l

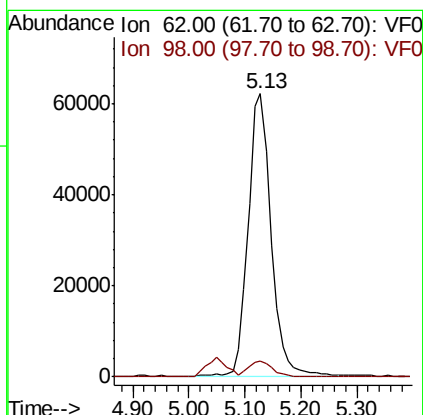
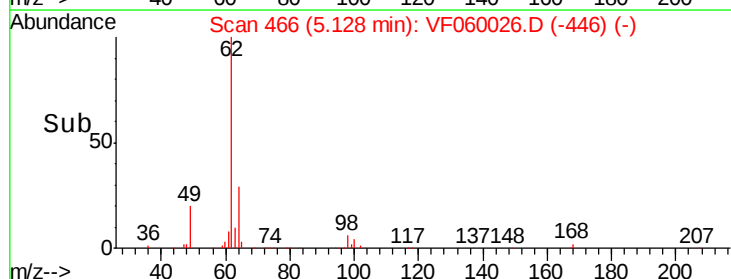
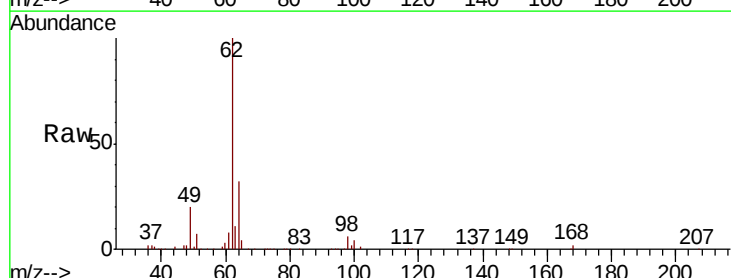
RT: 5.13 min Scan# 466

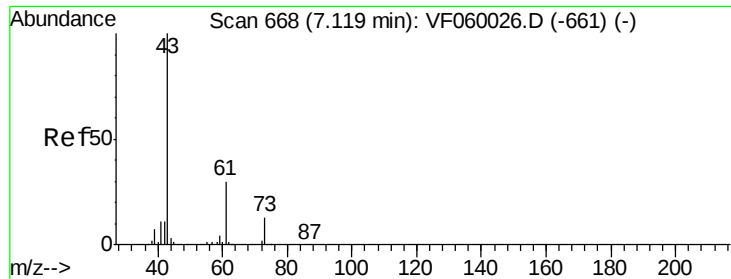
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.6	0.0	11.2	





#43

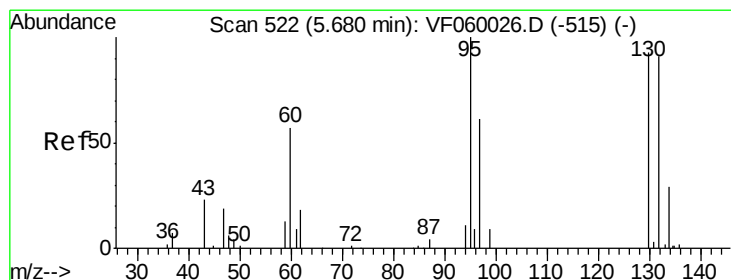
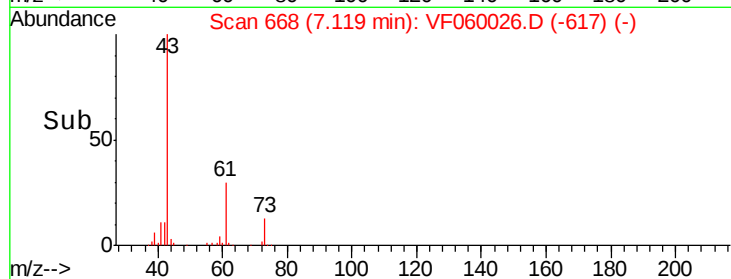
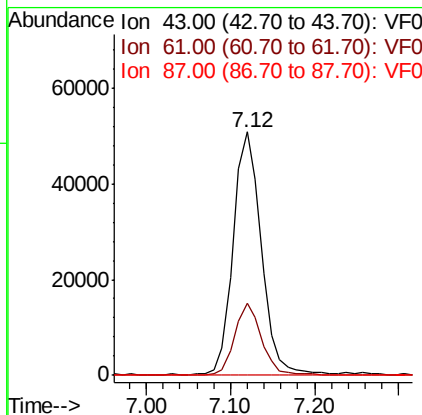
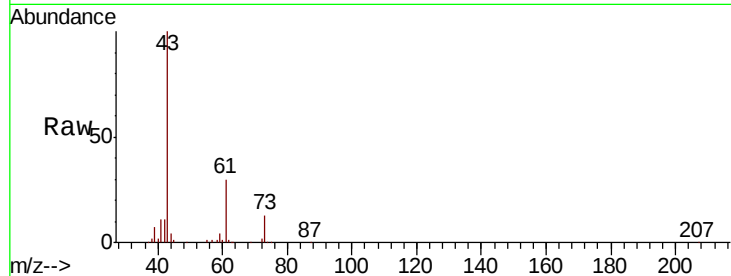
Isopropyl Acetate
 Concen: 51.33 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	0.3	0.2	0.4

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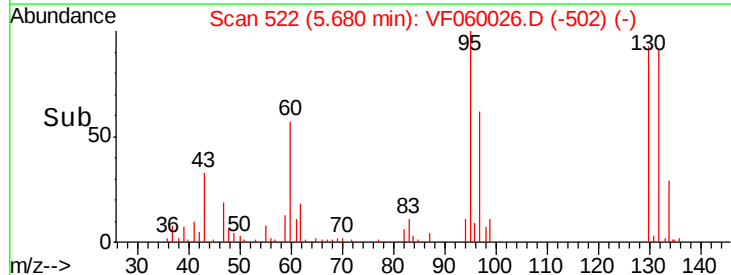
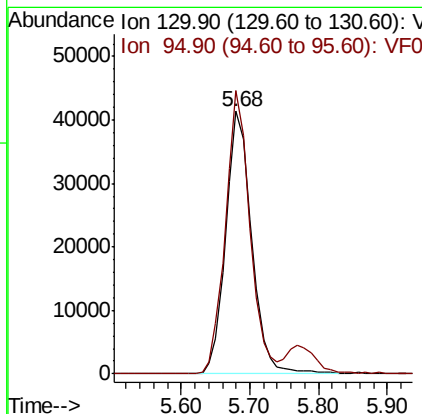
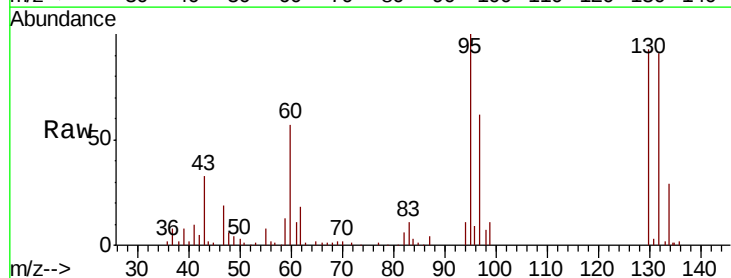
apatel
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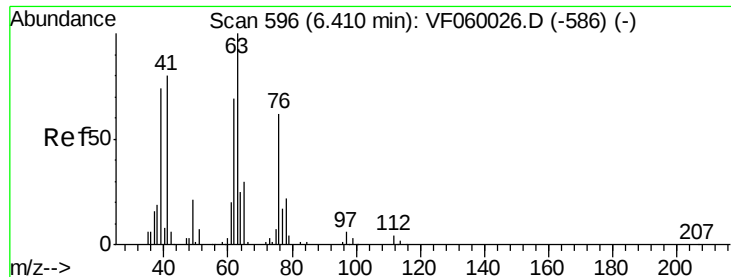


#44

Trichloroethene
 Concen: 43.86 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	215.8





#45

1,2-Dichloropropane

Concen: 52.96 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 98436

Ion Ratio Lower Upper

63 100

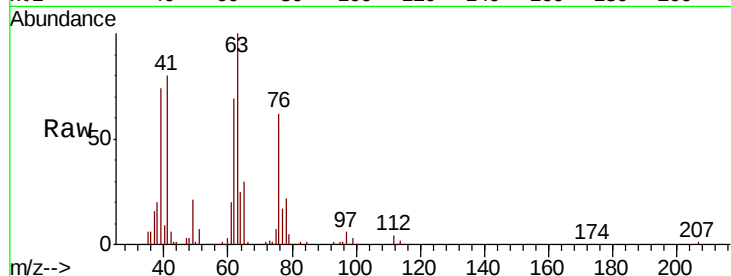
65 29.7 23.8 35.6

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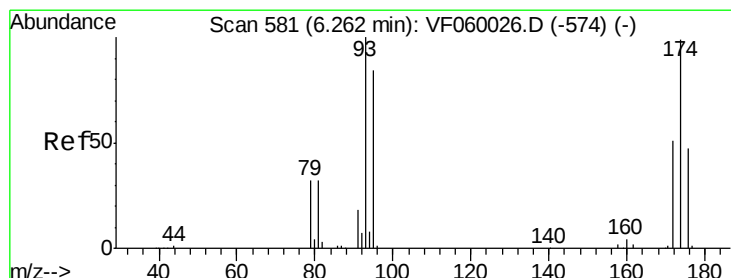
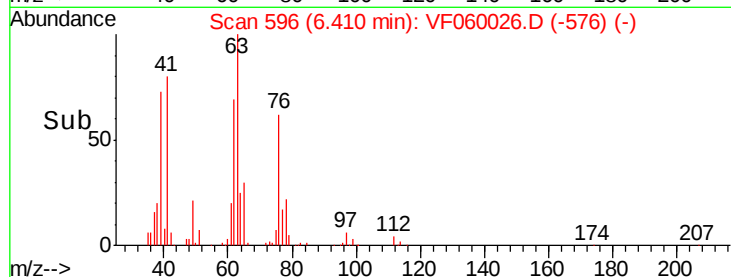
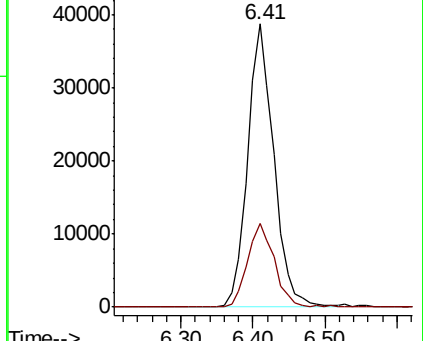
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 42.58 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

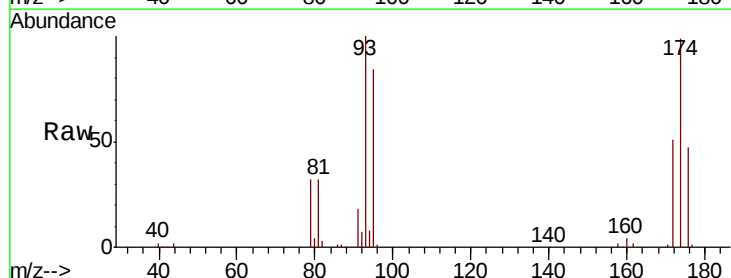
Tgt Ion: 93 Resp: 75776

Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

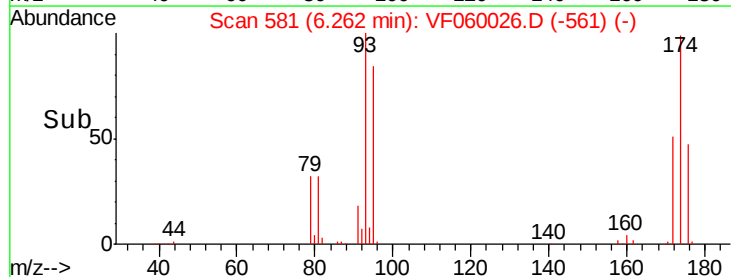
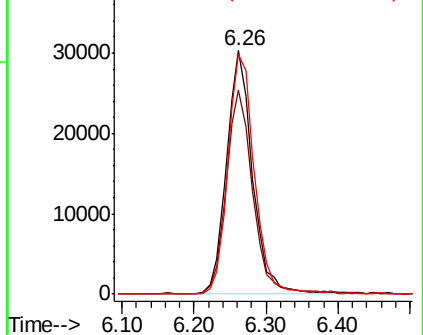
174 98.7 79.0 118.4

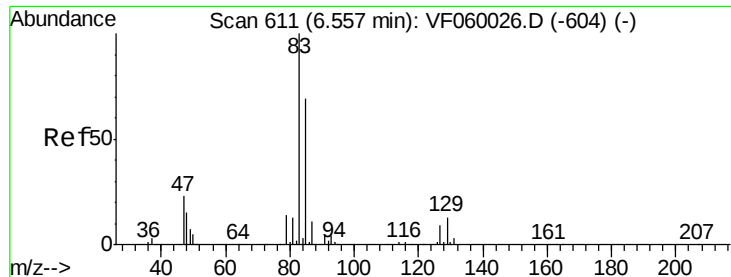


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 38.58 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

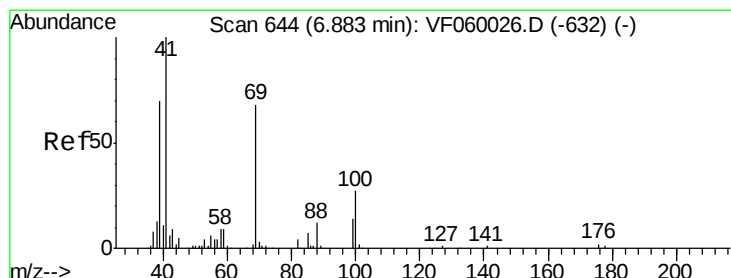
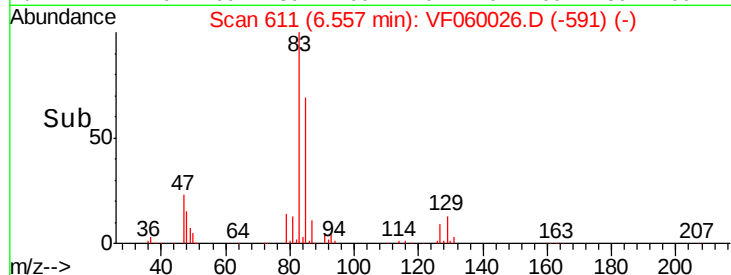
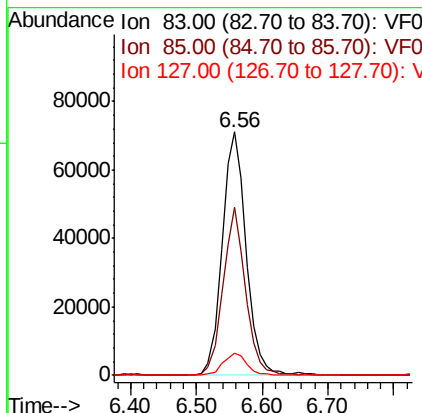
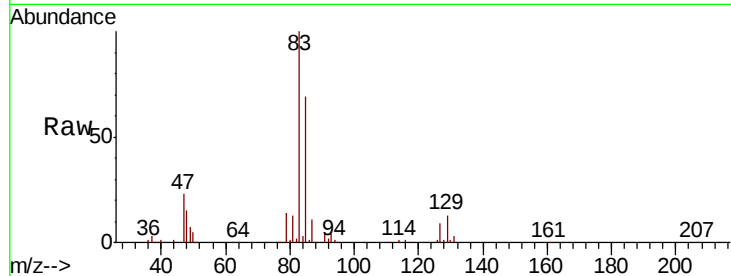
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	180861
Ion Ratio	Lower	Upper	
83	100		
85	69.0	55.2	82.8
127	9.1	7.3	10.9

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#48

Methyl methacrylate

Concen: 47.11 ug/l

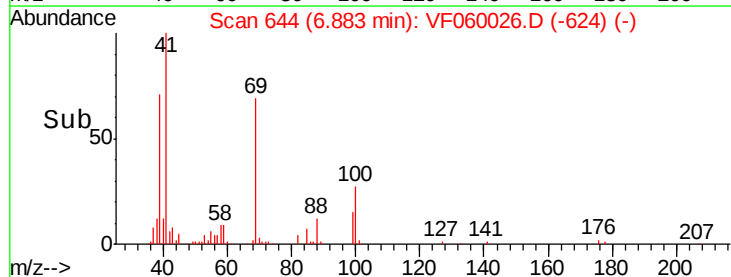
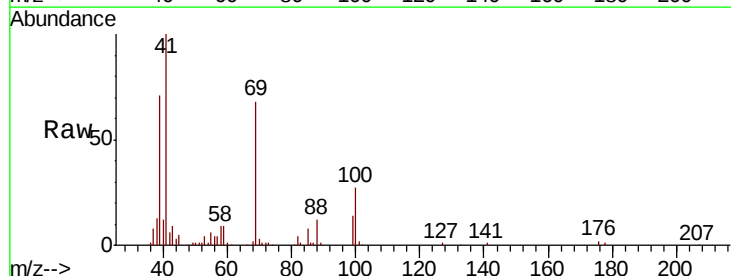
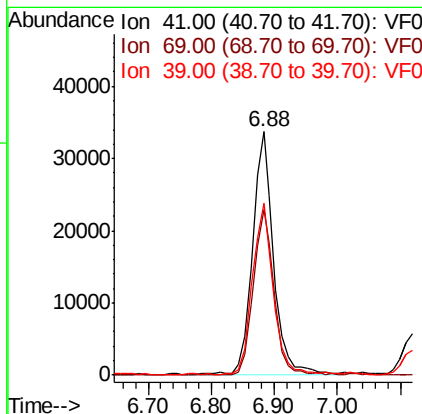
RT: 6.88 min Scan# 644

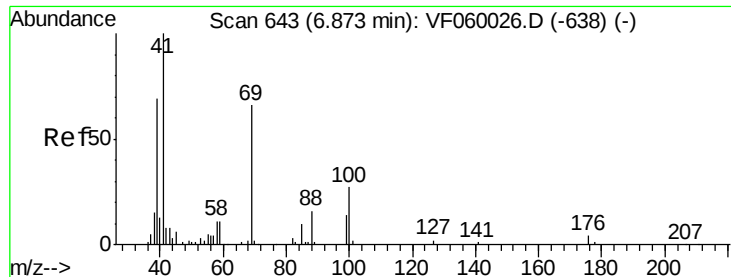
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	41	Resp:	79761
Ion Ratio	Lower	Upper	
41	100		
69	68.2	54.6	81.8
39	70.6	56.5	84.7





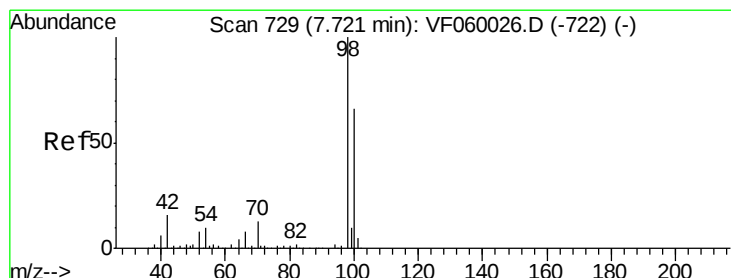
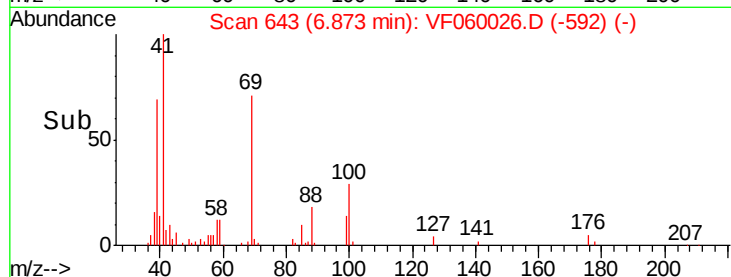
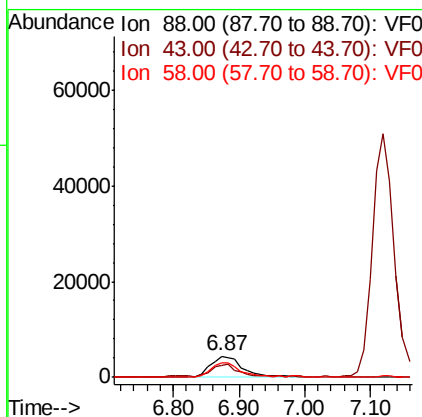
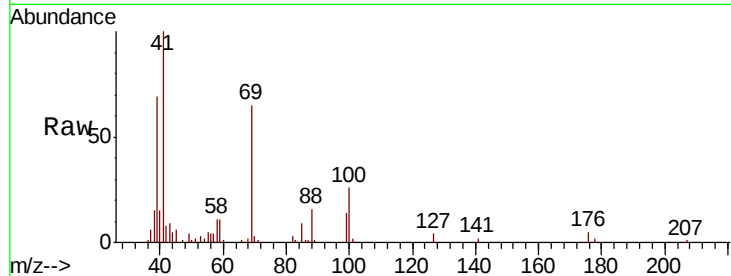
#49
1,4-Dioxane
Concen: 1124.63 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	58.1		46.5	69.7
58	68.5		54.8	82.2

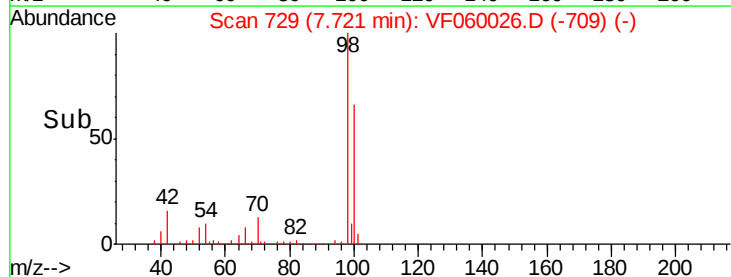
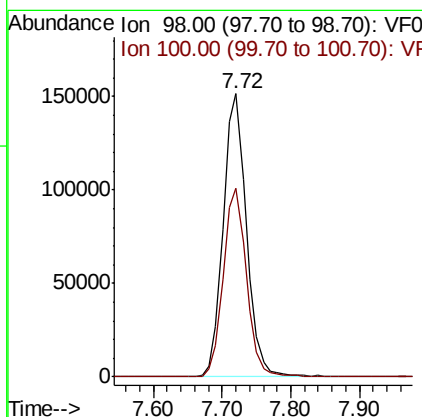
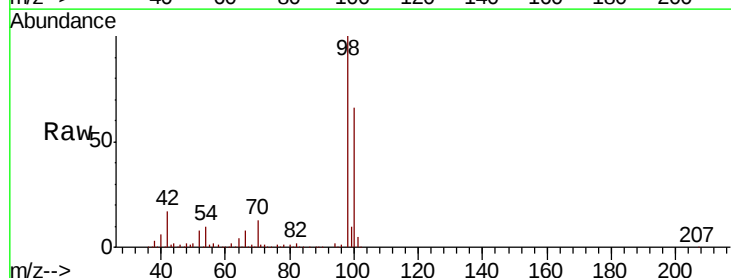
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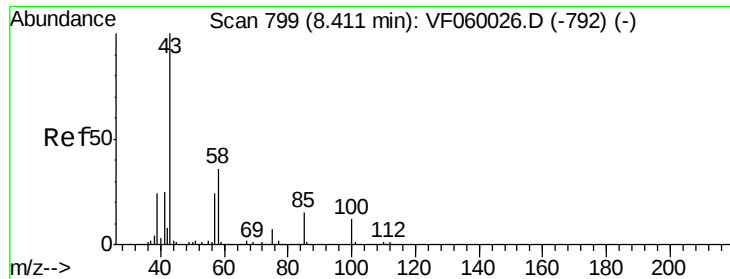
apatel
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#50
Toluene-d8
Concen: 47.19 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.5		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 233.56 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 501420

Ion Ratio Lower Upper

43 100

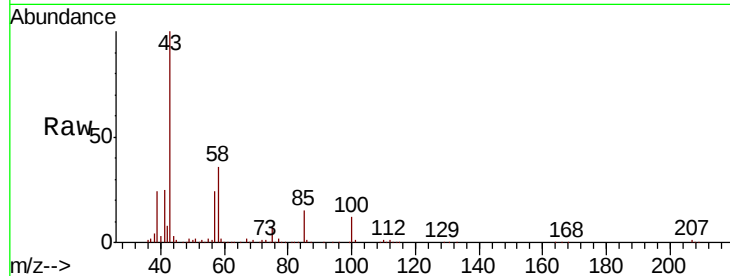
58 35.7 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

100000

50000

0

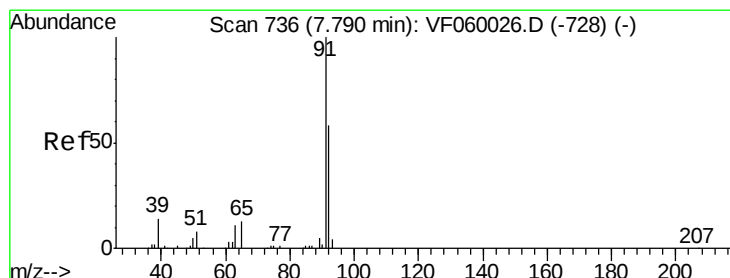
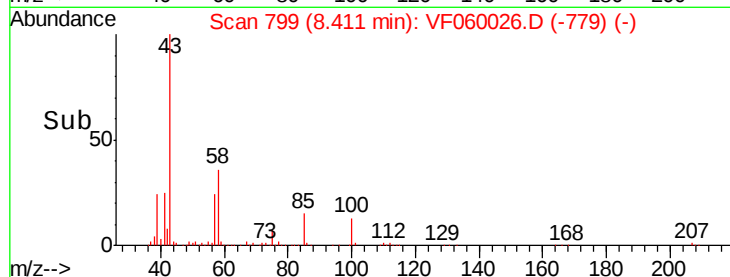
8.30

8.40

8.50

8.60

Time-->



#52

Toluene

Concen: 48.15 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060026.D

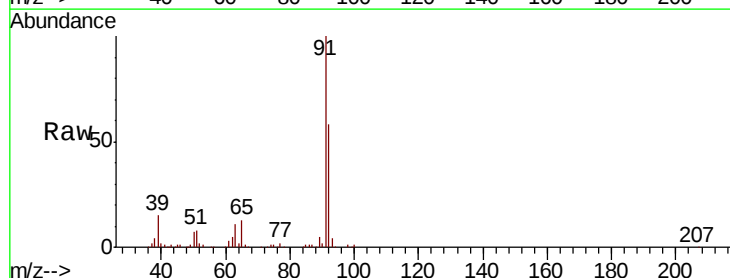
Acq: 21 Aug 2018 18:23

Tgt Ion: 92 Resp: 231837

Ion Ratio Lower Upper

92 100

91 172.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

100000

50000

0

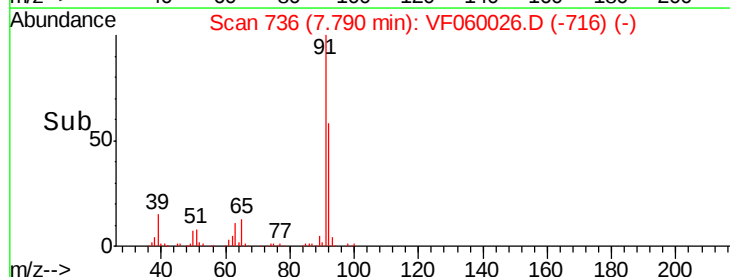
7.70

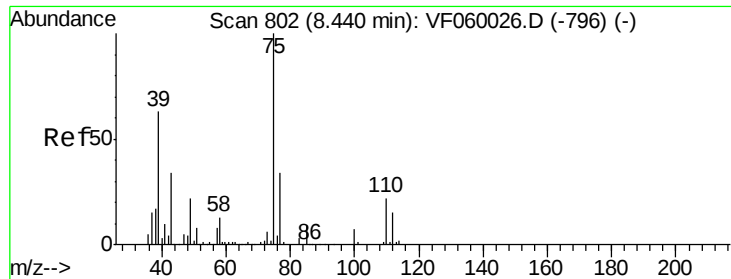
7.80

7.90

8.00

Time-->





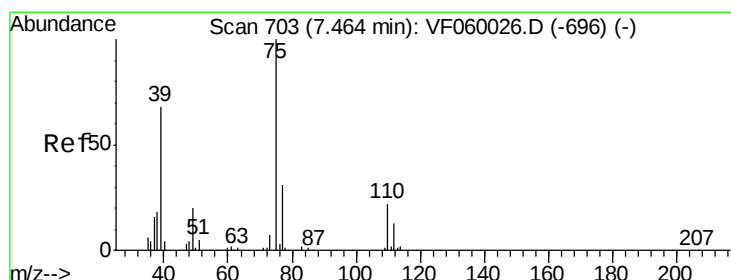
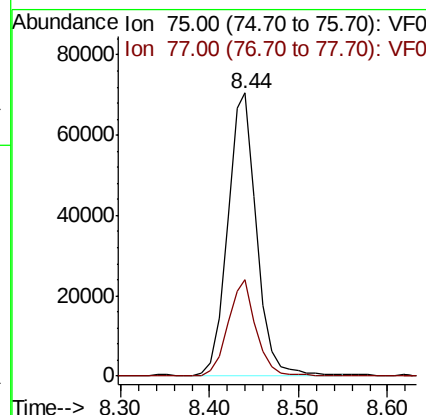
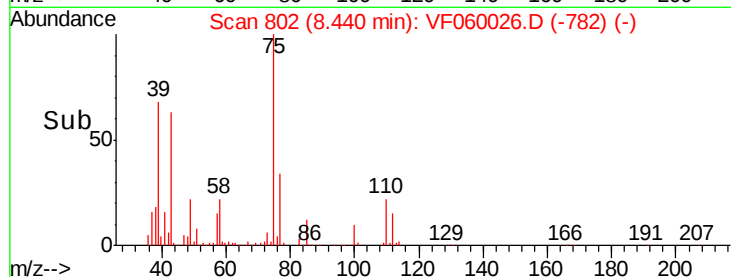
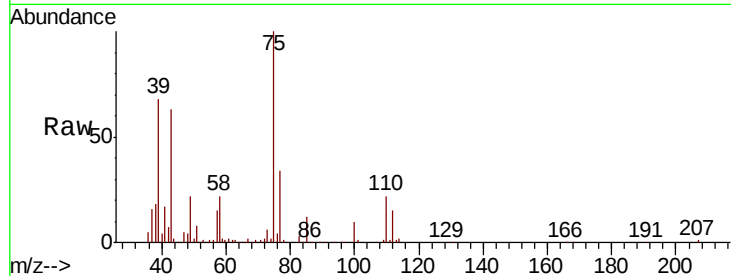
#53
 t-1,3-Dichloropropene
 Concen: 40.38 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 161054
 Ion Ratio Lower Upper
 75 100
 77 34.3 27.4 41.2

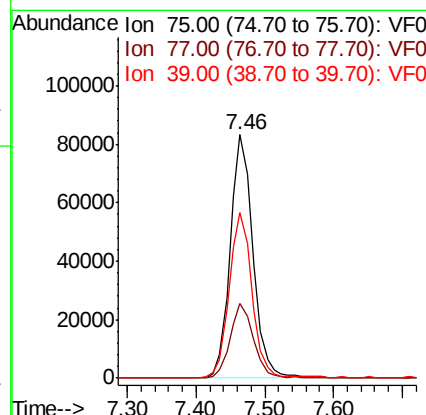
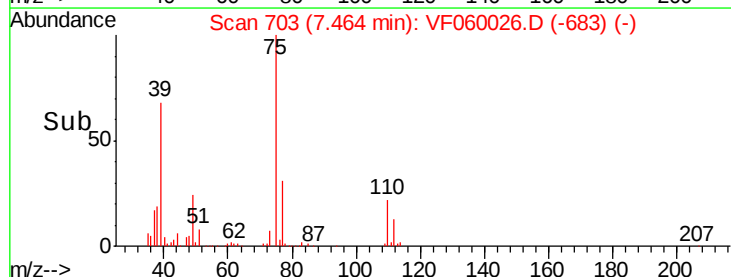
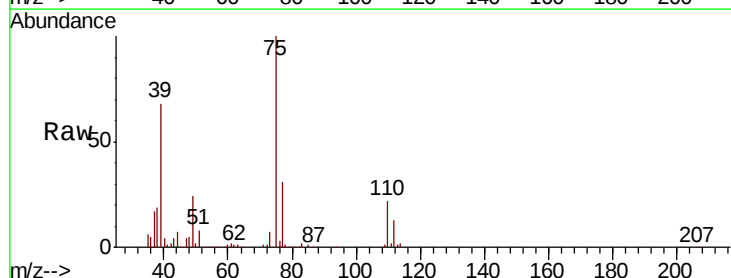
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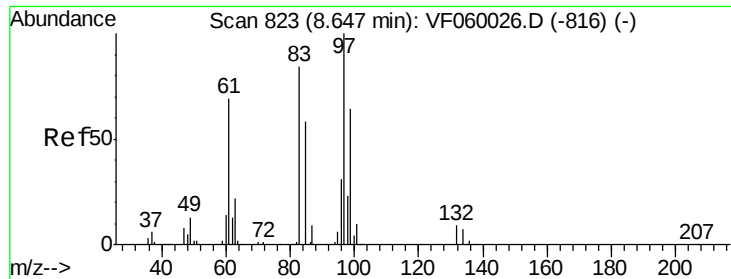
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#54
 cis-1,3-Dichloropropene
 Concen: 48.46 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion: 75 Resp: 190998
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 68.2 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 48.93 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

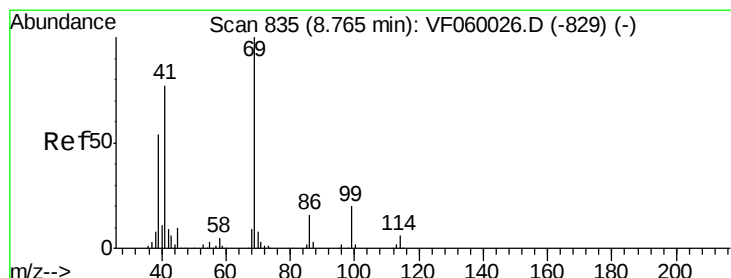
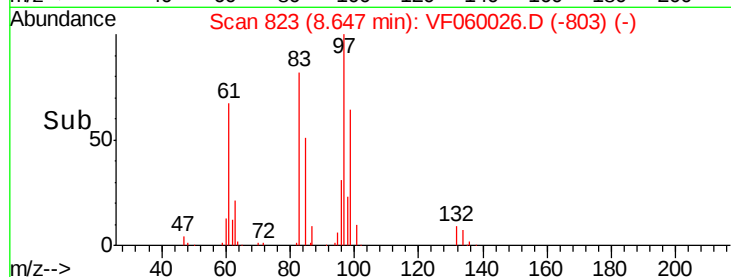
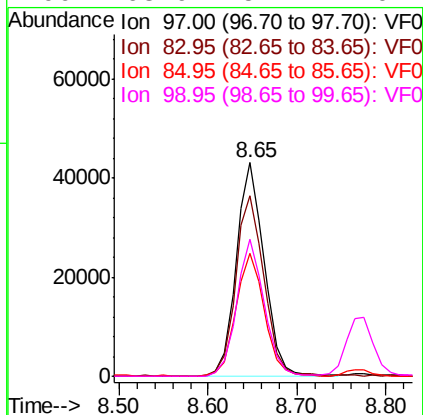
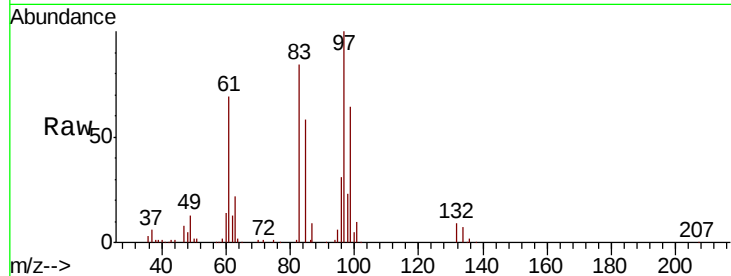
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	94177
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.2
85	57.7	46.2	69.2
99	63.9	51.1	76.7

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#56

Ethyl methacrylate

Concen: 52.36 ug/l

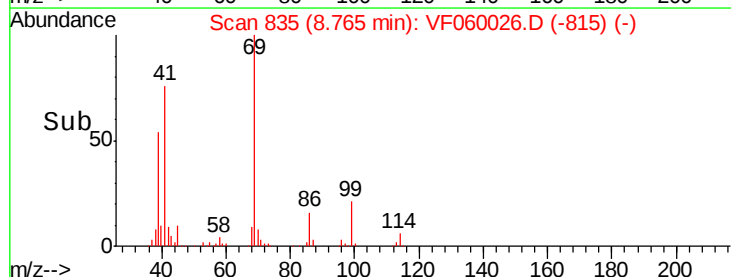
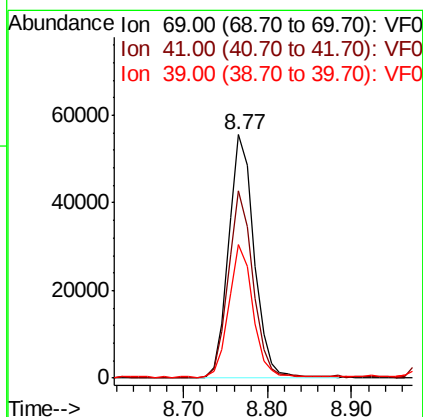
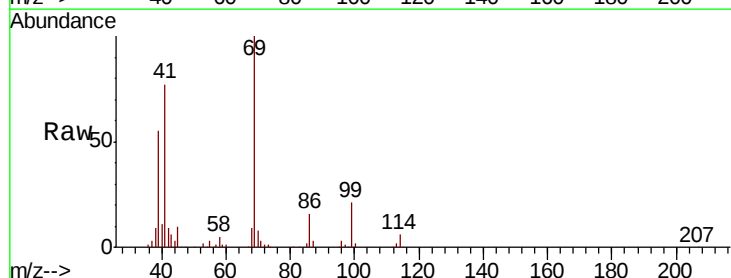
RT: 8.77 min Scan# 835

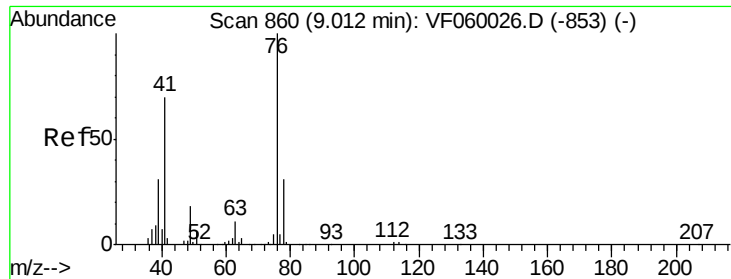
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	69	Resp:	117330
Ion	Ratio	Lower	Upper
69	100		
41	77.0	61.6	92.4
39	54.9	43.9	65.9





#57

1,3-Dichloropropane

Concen: 49.09 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 168807

Ion Ratio Lower Upper

76 100

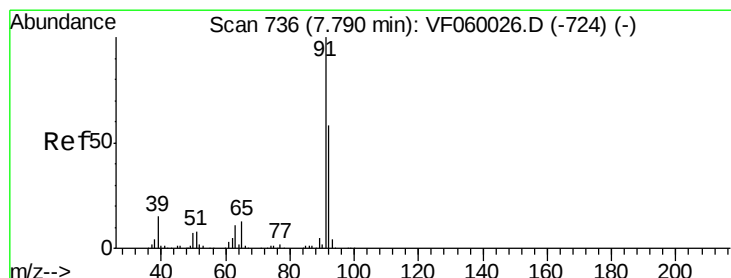
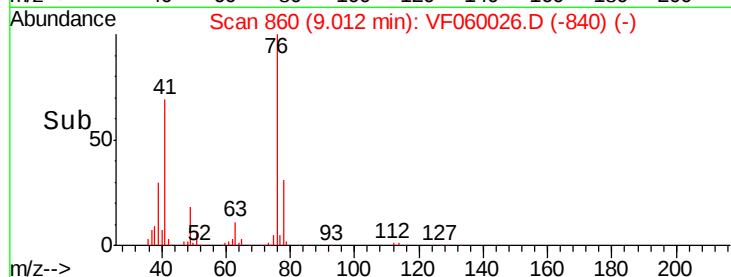
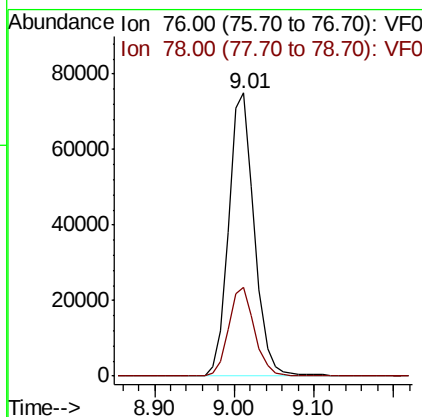
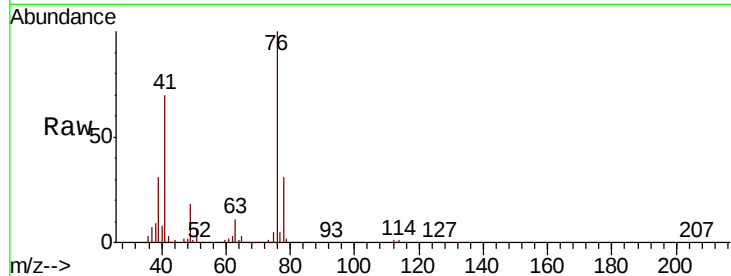
78 31.5 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 236.87 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060026.D

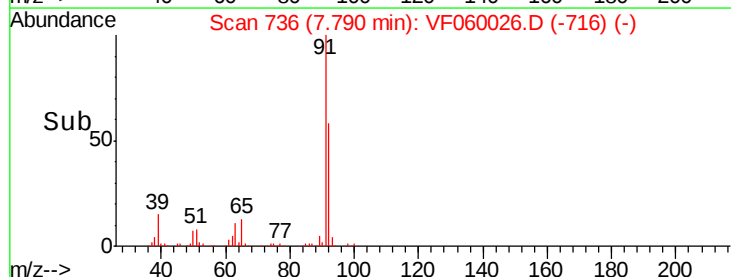
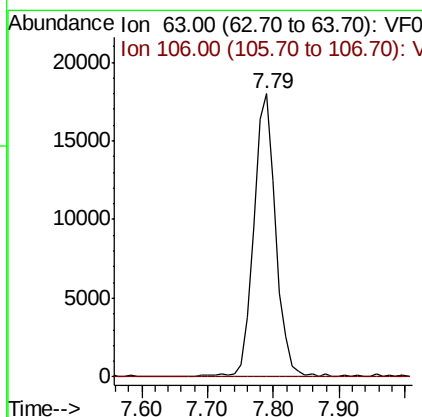
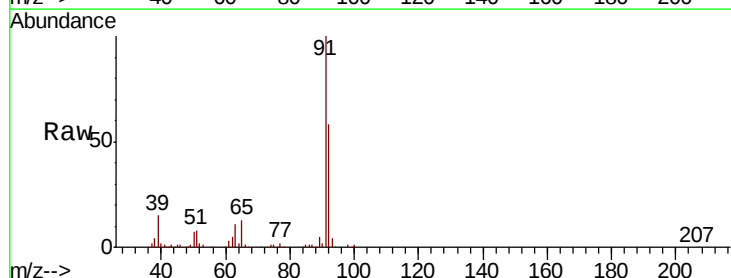
Acq: 21 Aug 2018 18:23

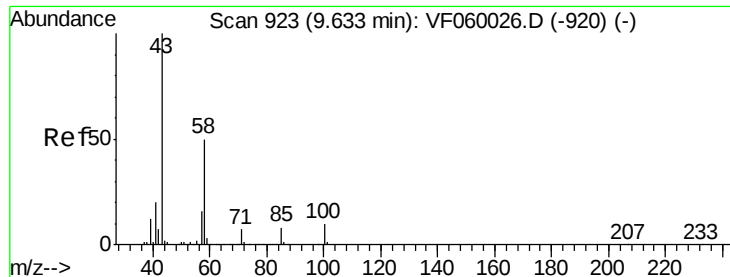
Tgt Ion: 63 Resp: 42133

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





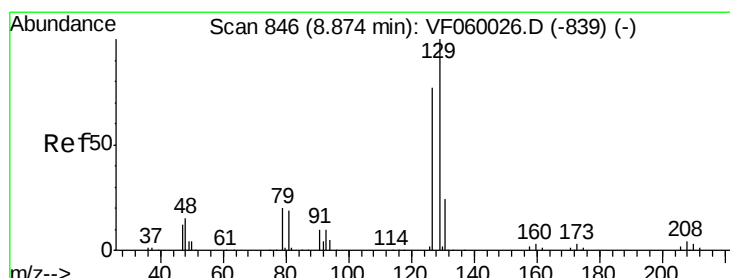
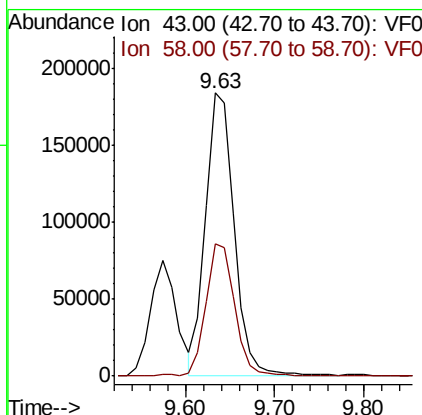
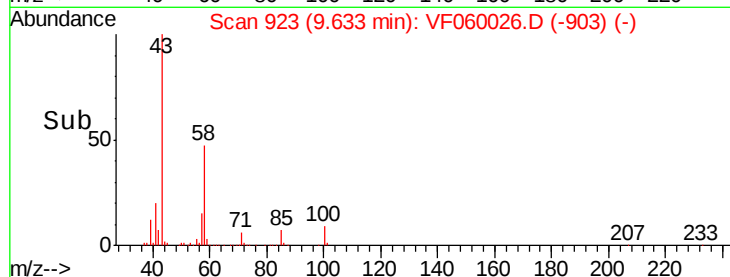
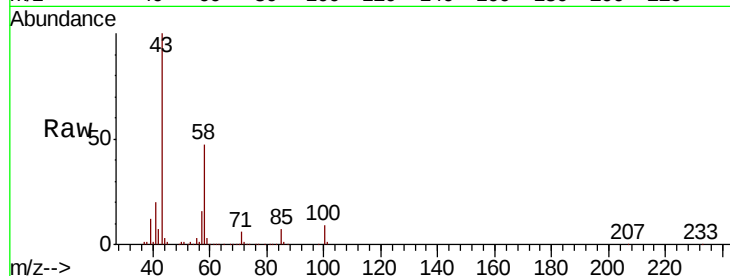
#59
2-Hexanone
Concen: 229.33 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 407073
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2

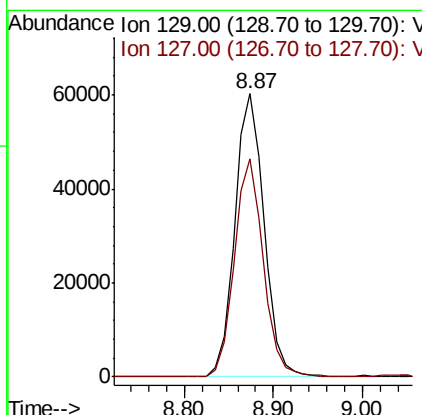
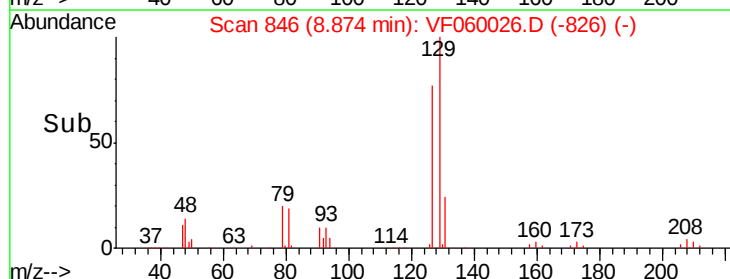
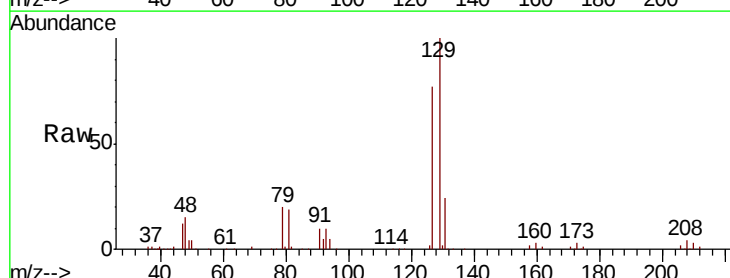
Manual Integrations
APPROVED

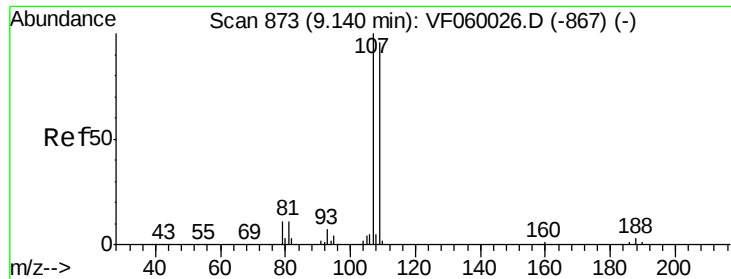
apatel
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#60
Dibromochloromethane
Concen: 40.67 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion: 129 Resp: 137765
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 45.66 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 108021

Ion Ratio Lower Upper

107 100

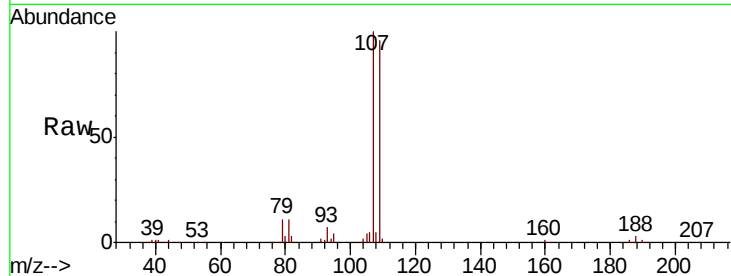
109 95.6 76.5 114.7

Manual Integrations

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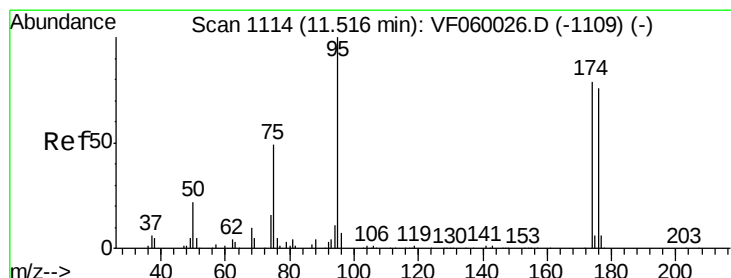
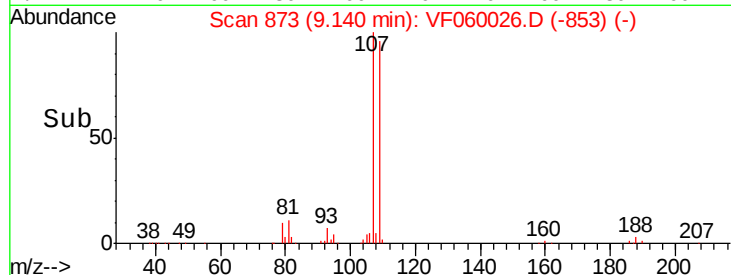
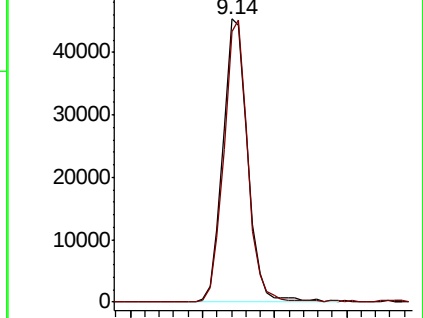
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 41.59 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

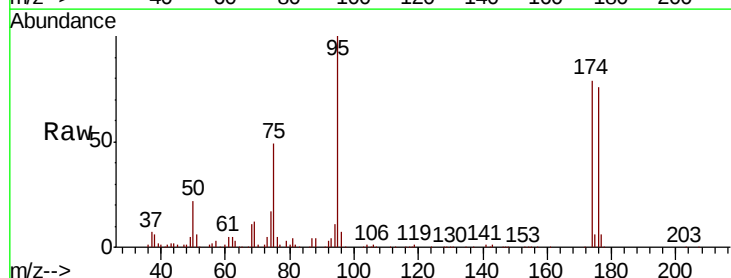
Tgt Ion: 95 Resp: 187108

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

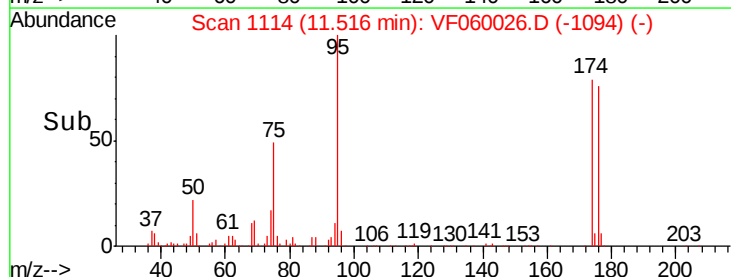
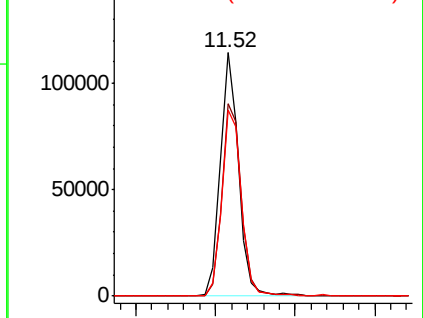
176 76.5 0.0 153.0

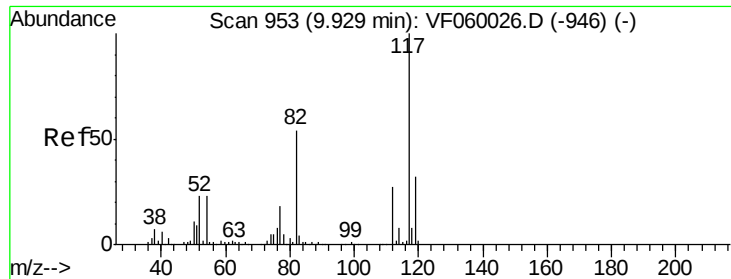


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





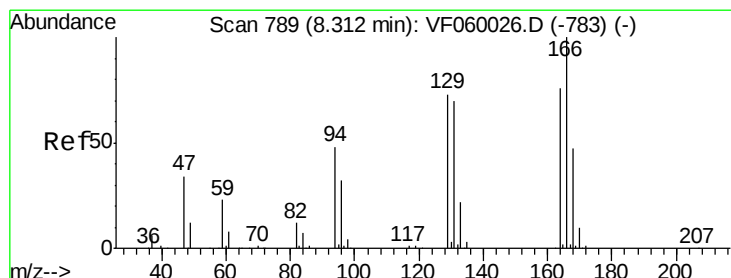
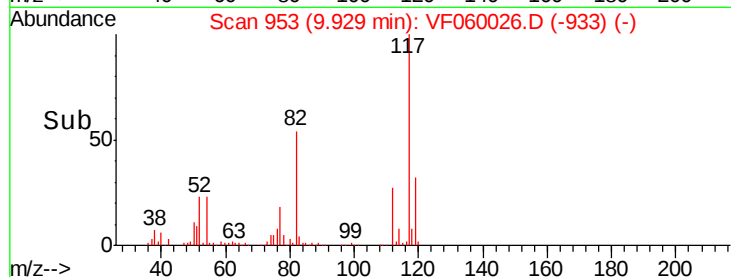
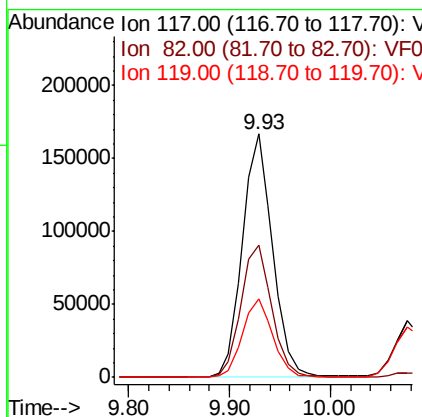
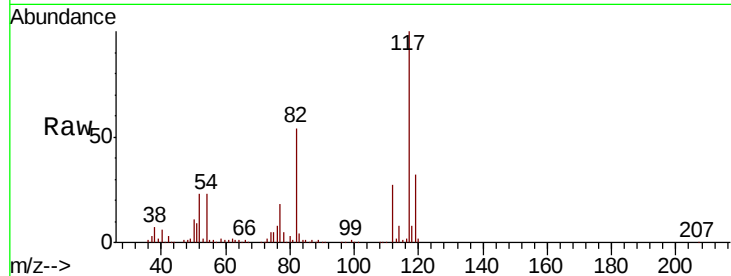
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349320		
82	54.5	43.6	65.4	
119	32.0	25.6	38.4	

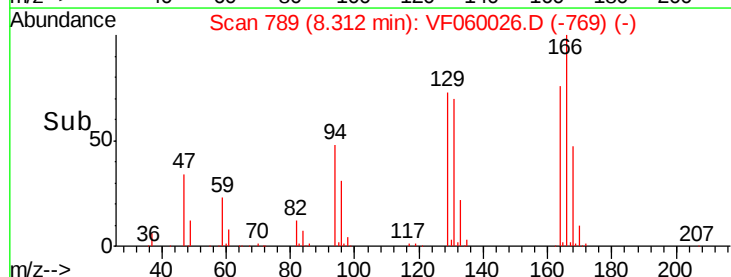
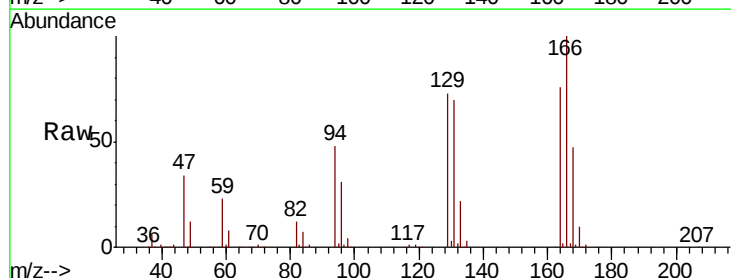
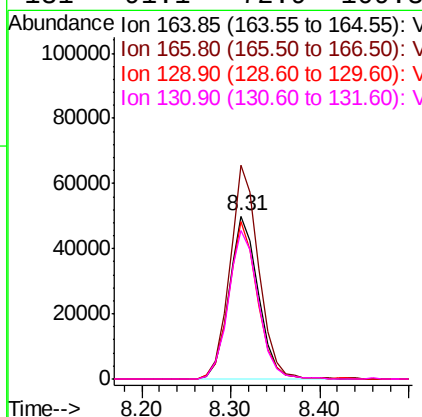
Manual Integrations
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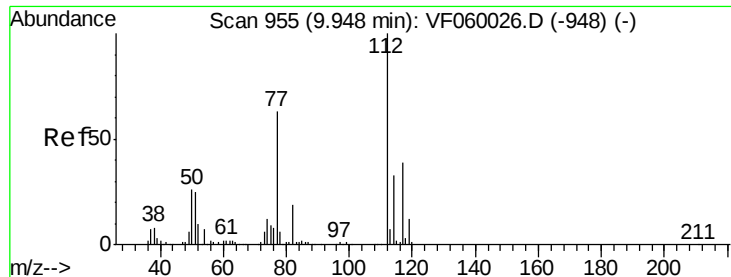
apatel
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#64
Tetrachloroethene
Concen: 43.32 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114664		
166	130.9	104.7	157.1	
129	96.2	77.0	115.4	
131	91.1	72.9	109.3	





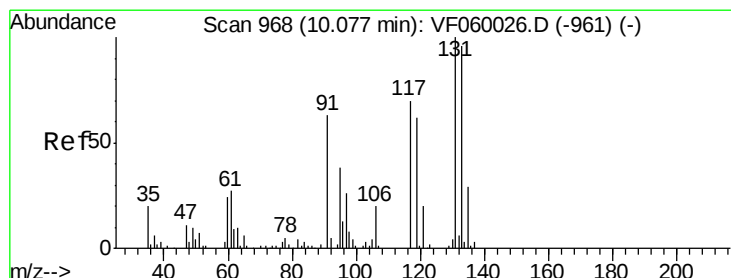
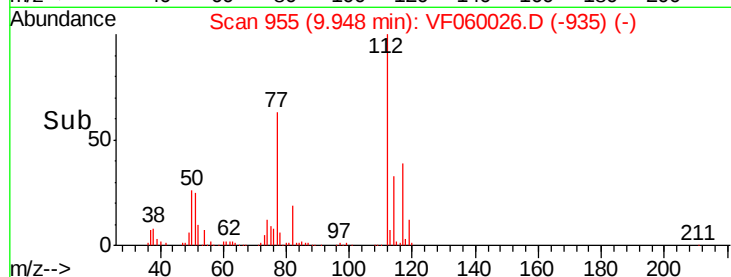
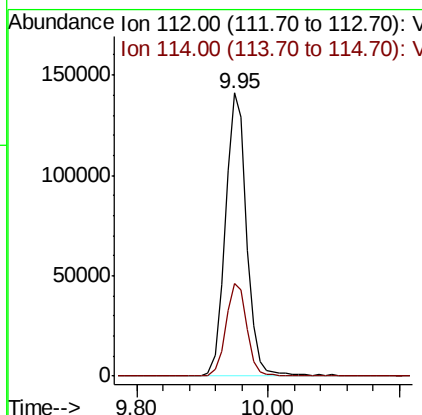
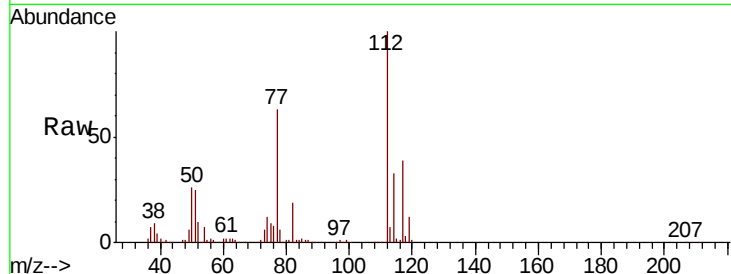
#65
Chlorobenzene
Concen: 46.25 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

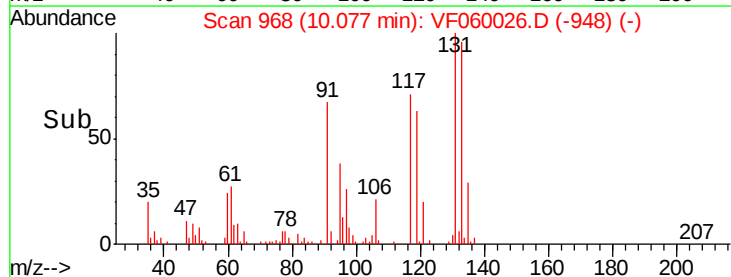
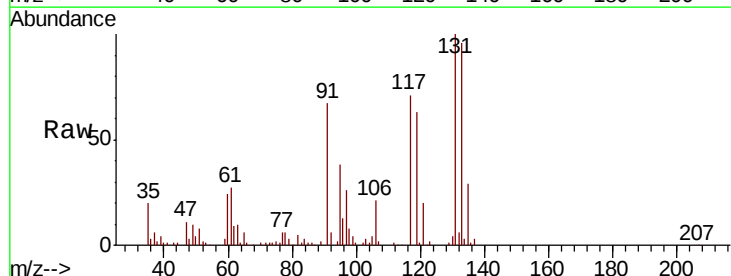
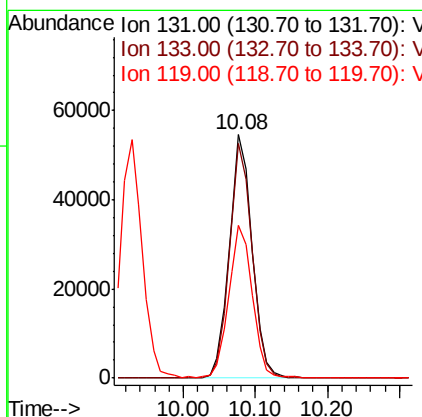
Manual Integrations
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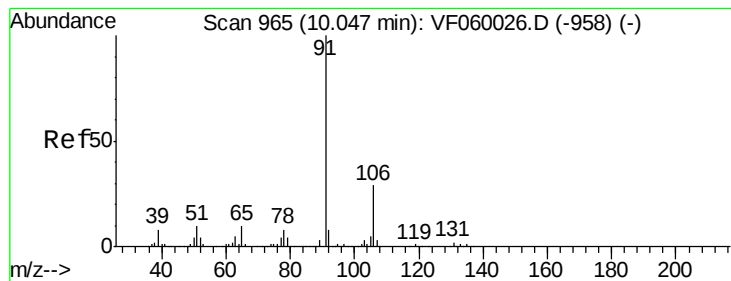
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 39.22 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.2	144.6
119	62.8	31.4	94.2





#67

Ethyl Benzene

Concen: 43.41 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 537679

Ion Ratio Lower Upper

91 100

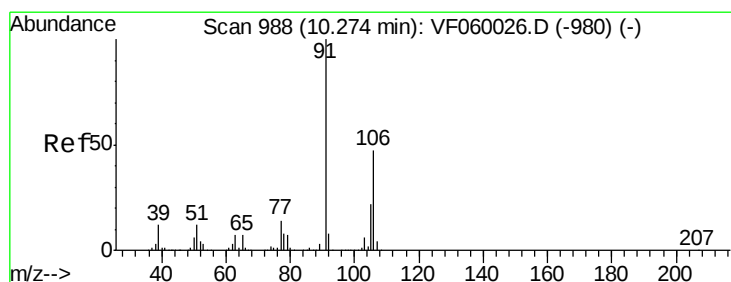
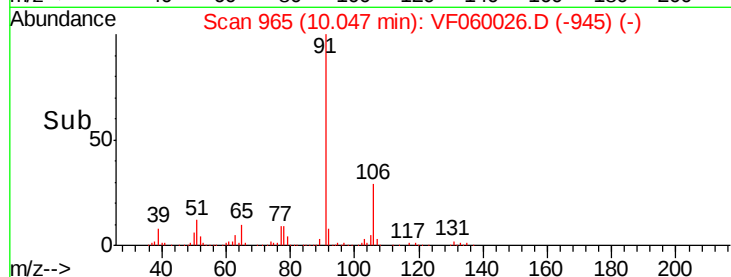
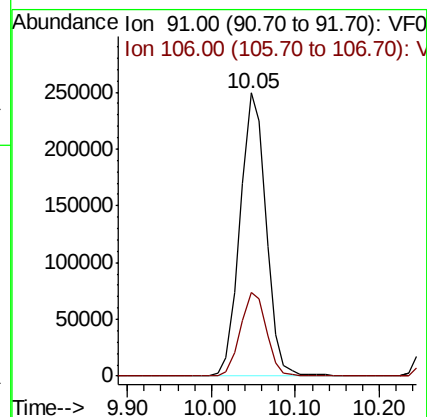
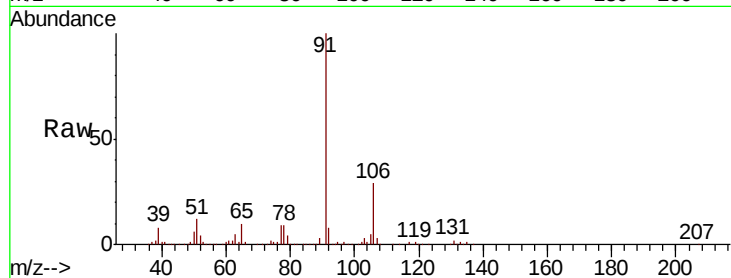
106 29.5 23.6 35.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 90.74 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060026.D

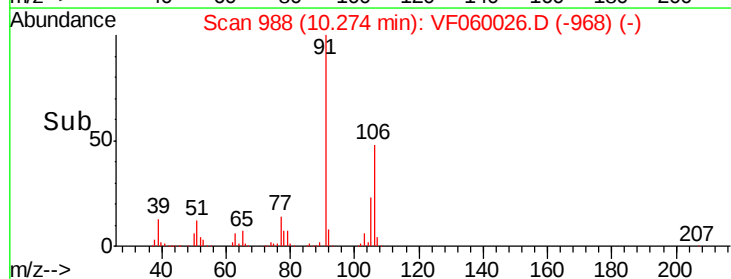
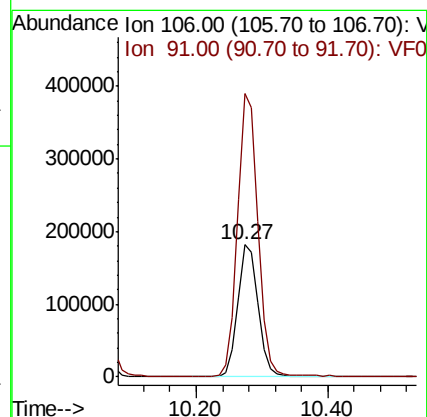
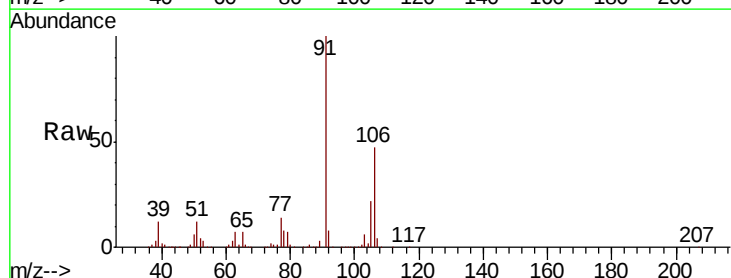
Acq: 21 Aug 2018 18:23

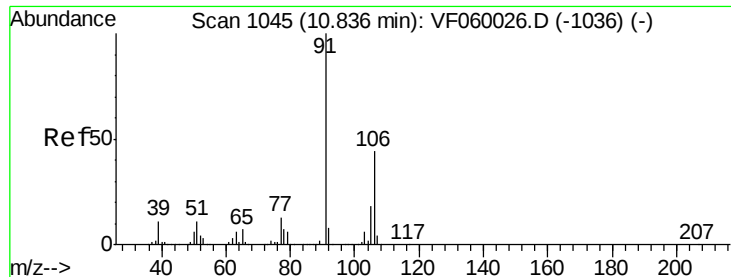
Tgt Ion: 106 Resp: 396001

Ion Ratio Lower Upper

106 100

91 214.8 171.8 257.8





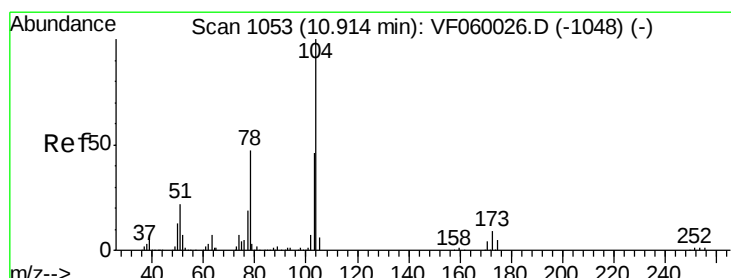
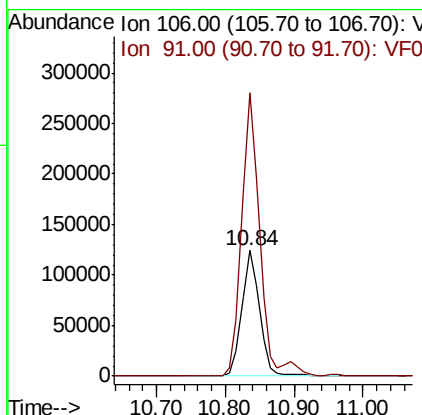
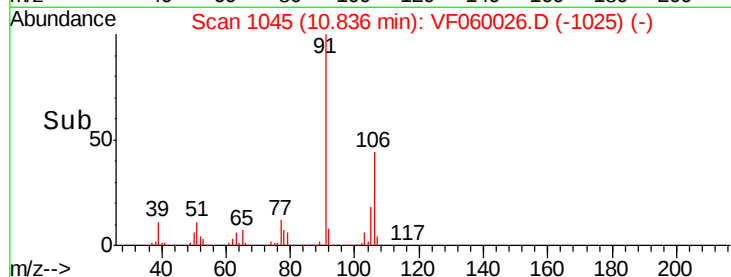
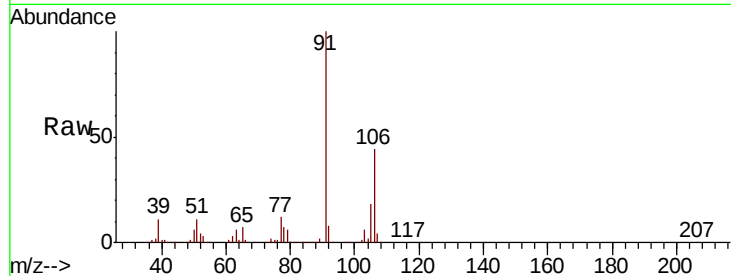
#69
o-Xylene
Concen: 50.17 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 224084
Ion Ratio Lower Upper
106 100
91 225.0 112.5 337.5

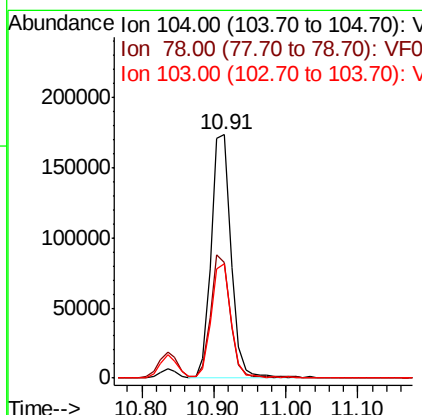
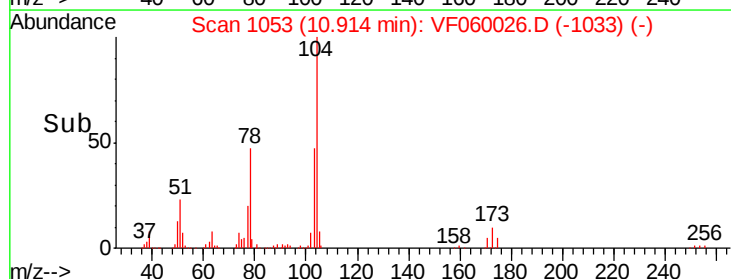
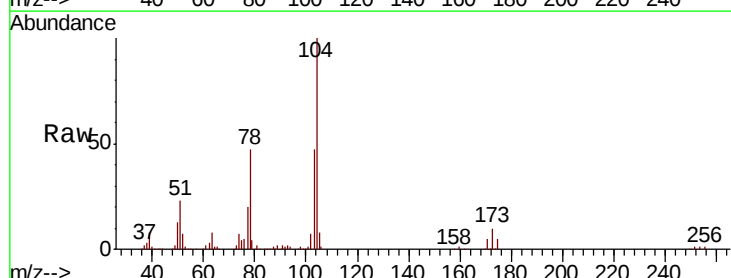
Manual Integrations
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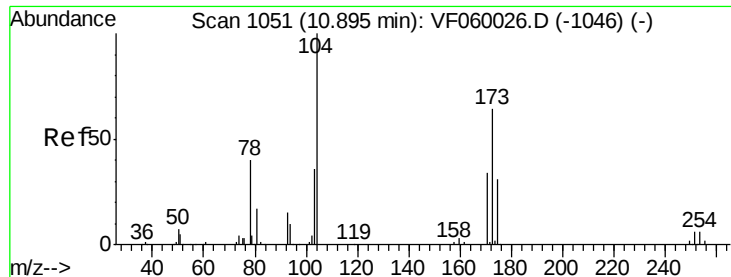
apatel
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#70
Styrene
Concen: 46.02 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion:104 Resp: 327831
Ion Ratio Lower Upper
104 100
78 47.5 38.0 57.0
103 47.0 37.6 56.4





#71

Bromoform

Concen: 37.89 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 86056

Ion Ratio Lower Upper

173 100

175 49.4 24.7 74.1

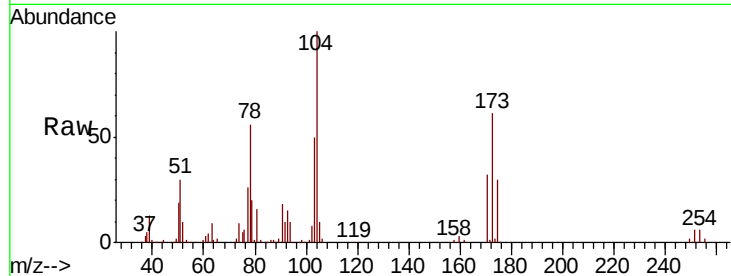
254 0.0 0.0 0.0

Manual Integrations

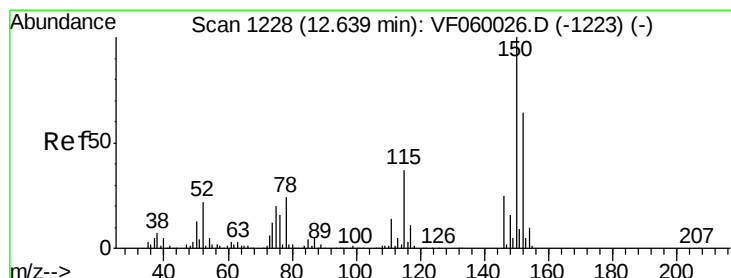
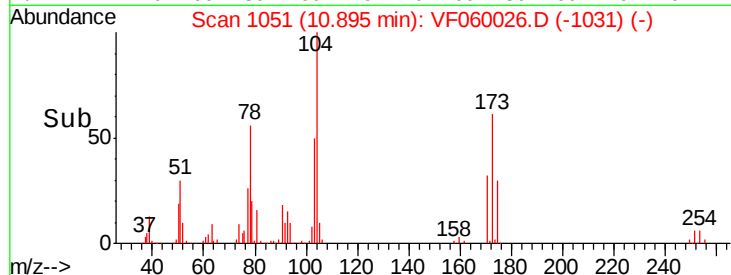
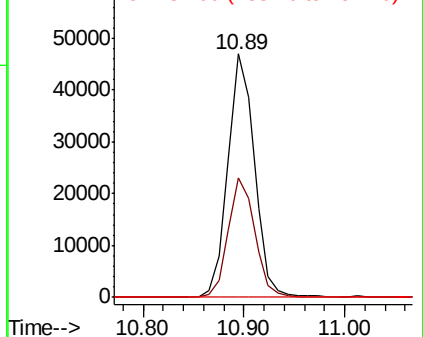
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

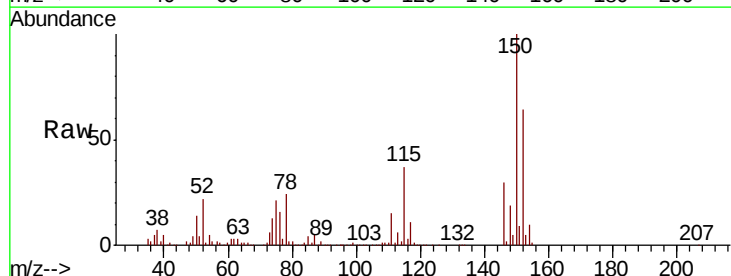
Tgt Ion:152 Resp: 207251

Ion Ratio Lower Upper

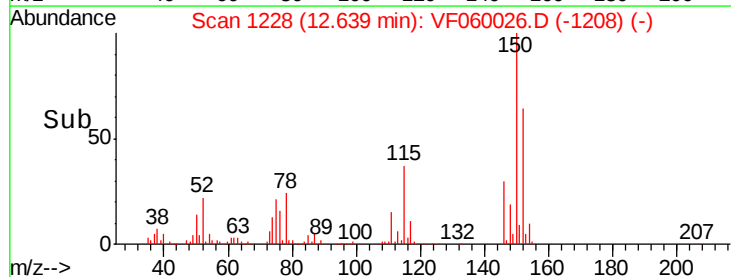
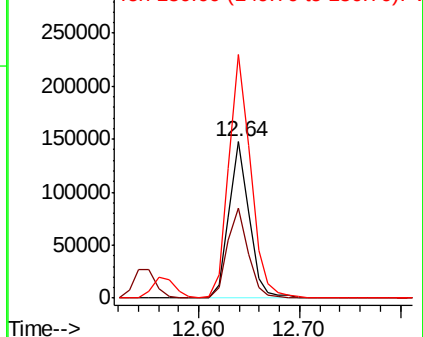
152 100

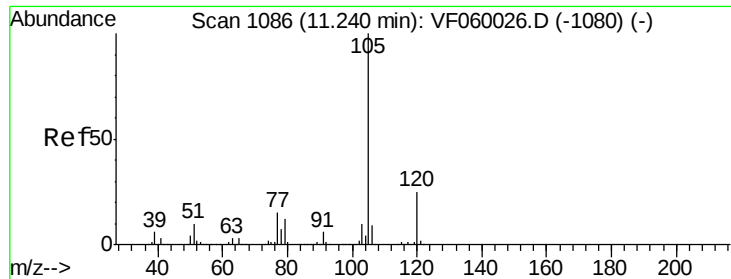
115 57.3 28.6 85.9

150 156.0 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.58 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 618382

Ion Ratio Lower Upper

105 100

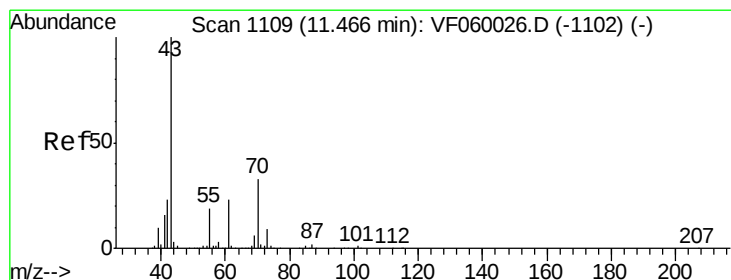
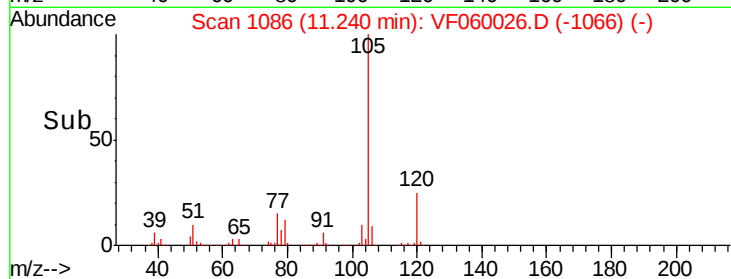
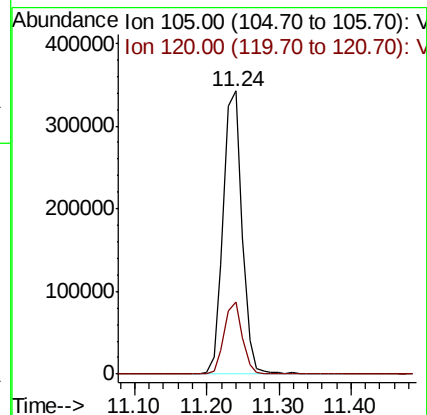
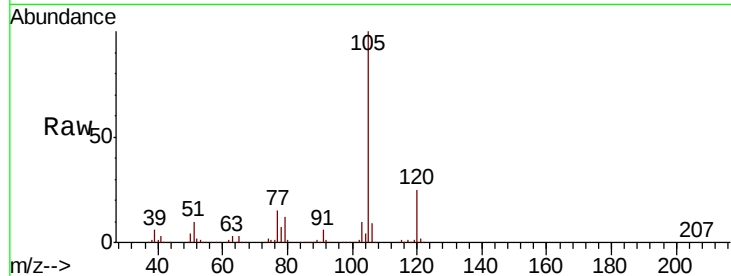
120 25.3 12.7 38.0

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#74

N-ethyl acetate

Concen: 57.05 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion: 43 Resp: 205294

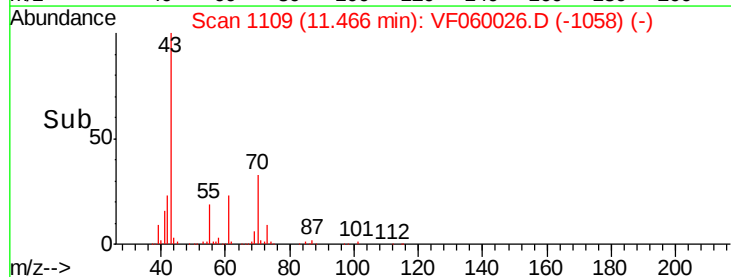
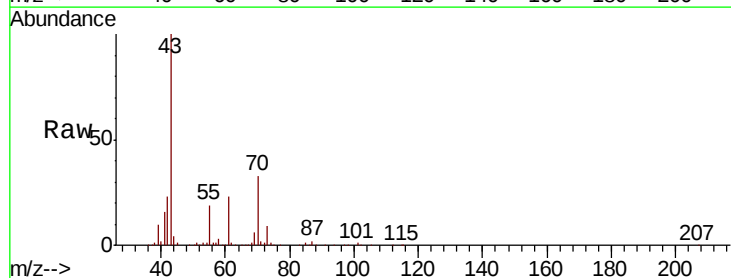
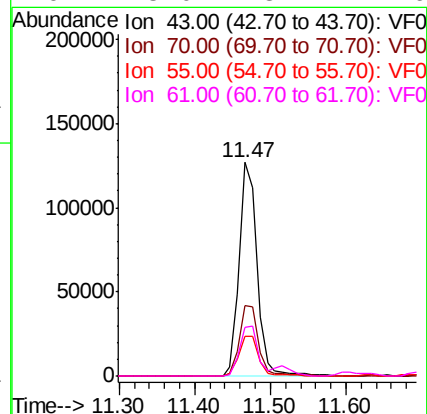
Ion Ratio Lower Upper

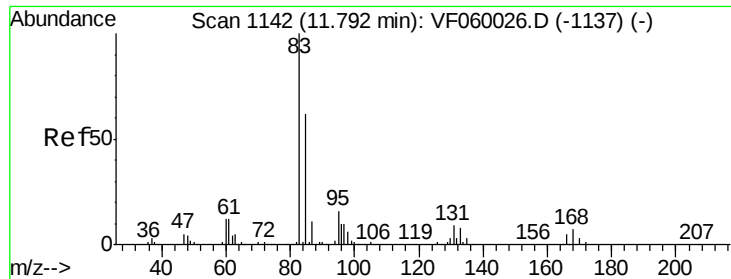
43 100

70 33.0 26.4 39.6

55 18.7 15.0 22.4

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.49 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

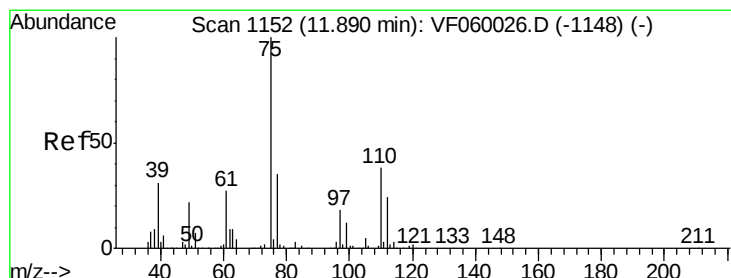
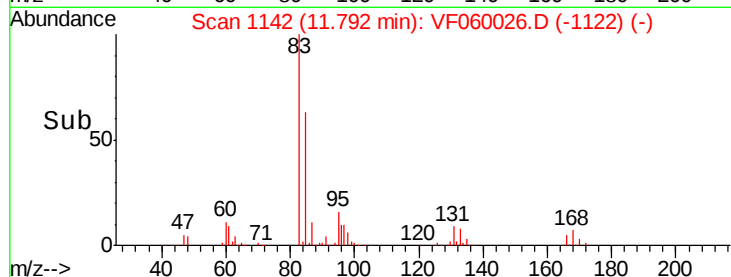
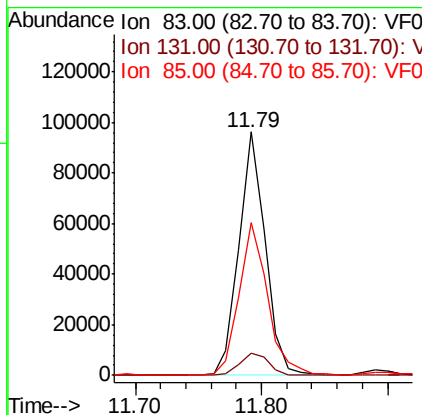
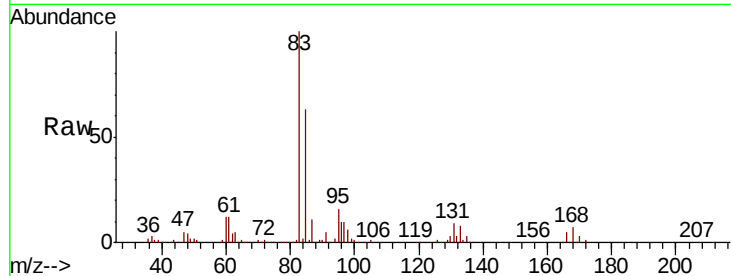
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	139136
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	62.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 48.03 ug/l

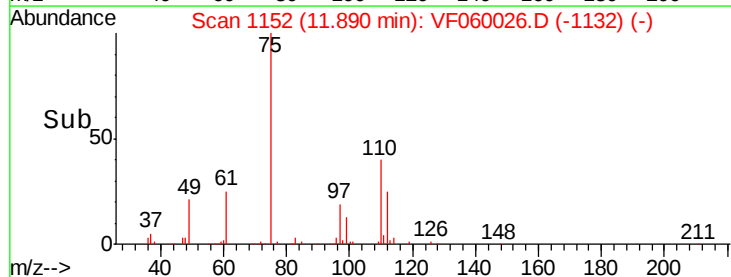
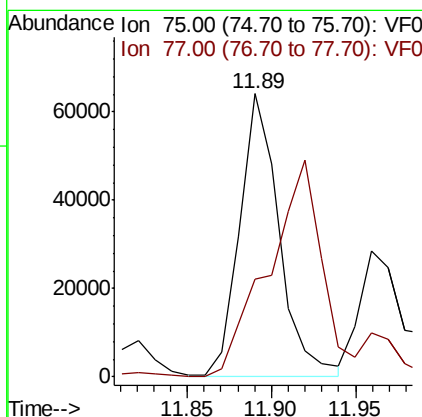
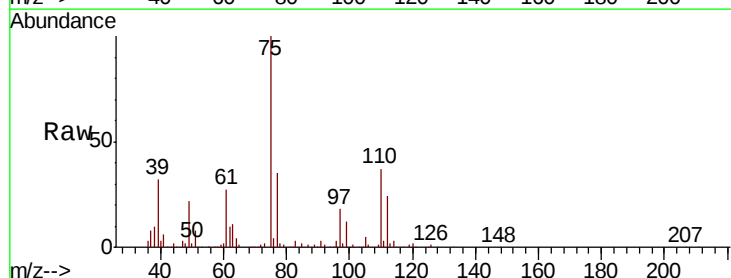
RT: 11.89 min Scan# 1152

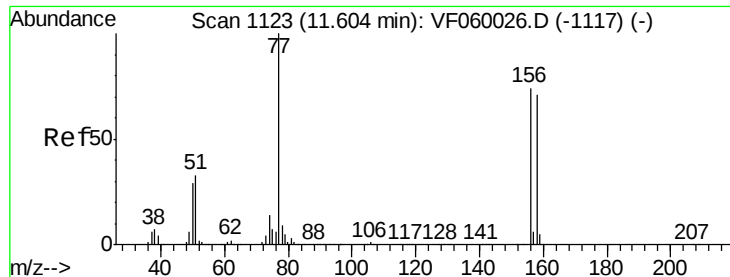
Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Tgt Ion:	75	Resp:	103694
Ion Ratio	Lower	Upper	
75	100		
77	34.7	17.3	52.0





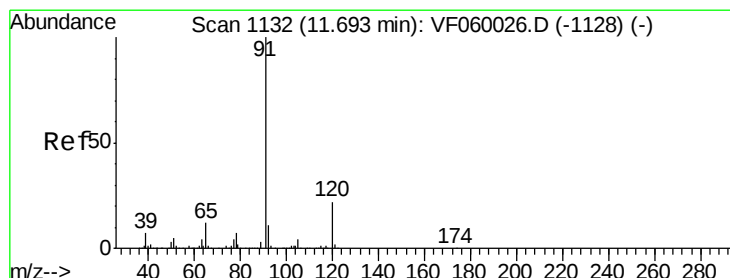
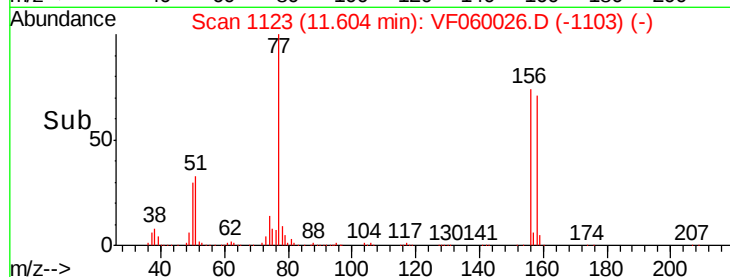
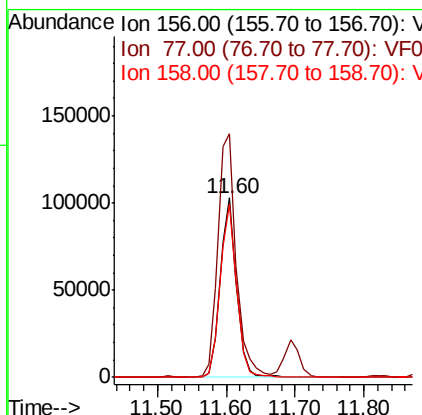
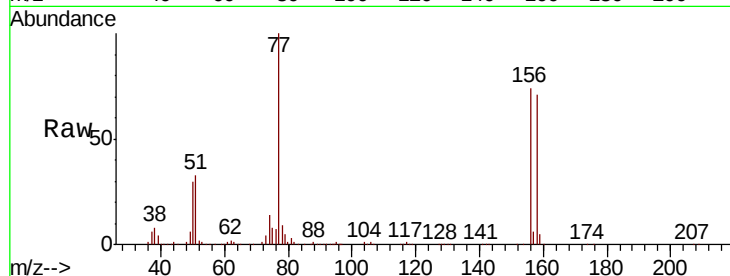
#77
Bromobenzene
Concen: 48.76 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		169078		
77	136.0	68.0	204.0		
158	96.9	48.4	145.3		

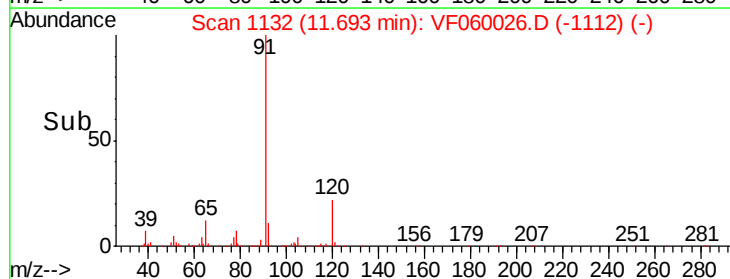
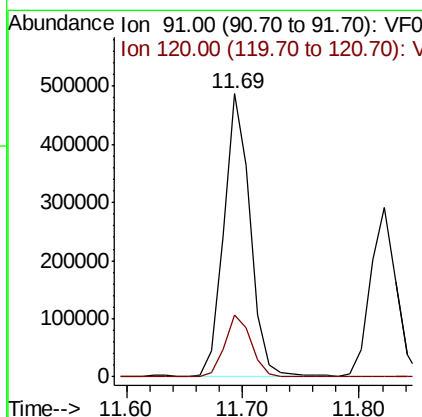
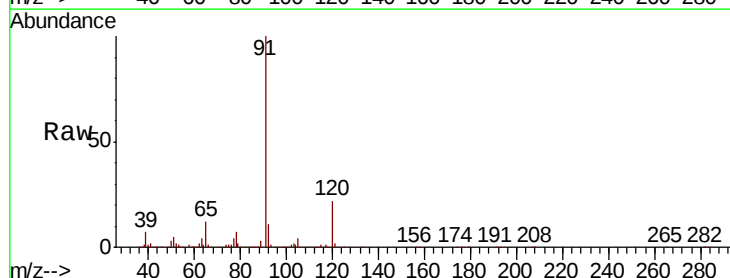
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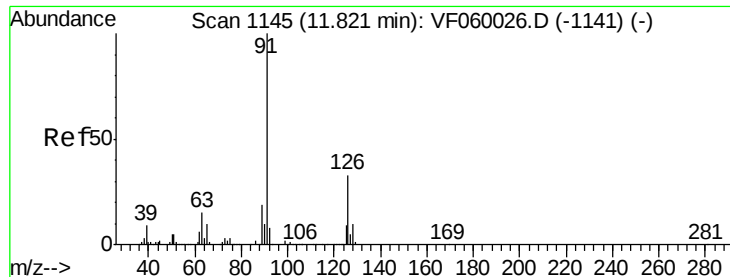
apatel
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#78
n-propylbenzene
Concen: 48.84 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		758122		
120	21.8	10.9	32.7		





#79

2-Chlorotoluene

Concen: 47.46 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 441820

Ion Ratio Lower Upper

91 100

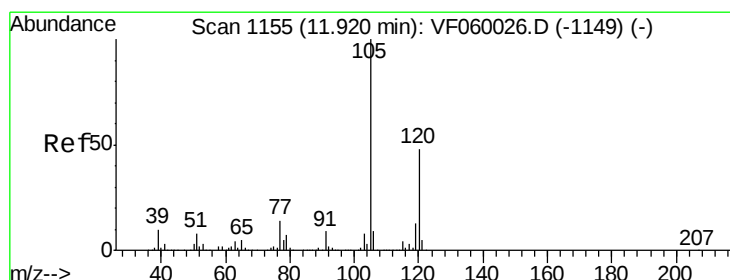
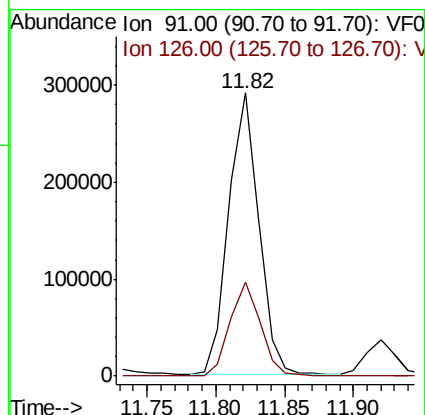
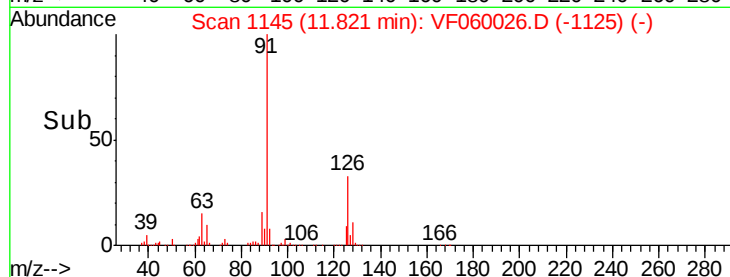
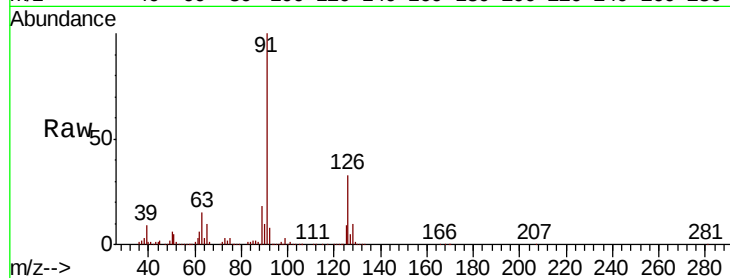
126 33.1 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 48.18 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060026.D

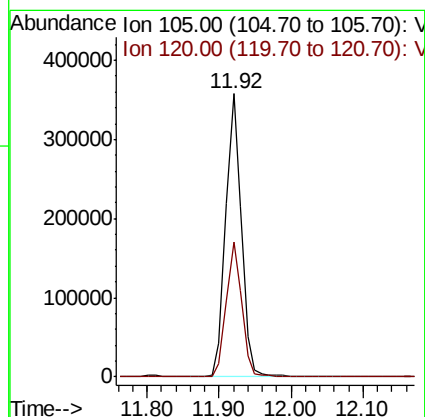
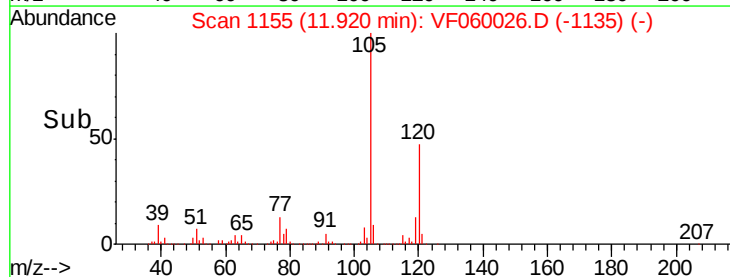
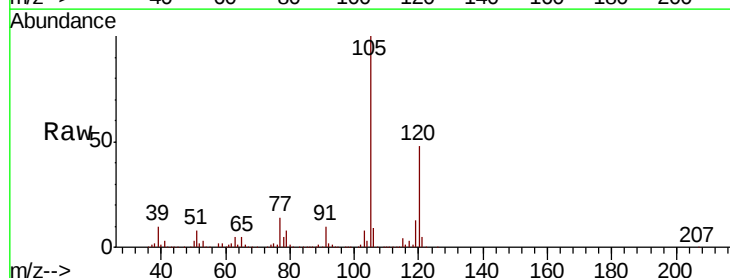
Acq: 21 Aug 2018 18:23

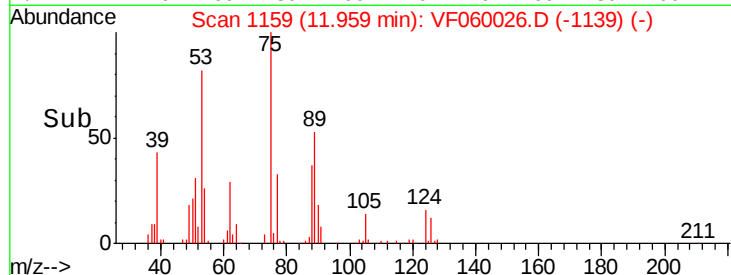
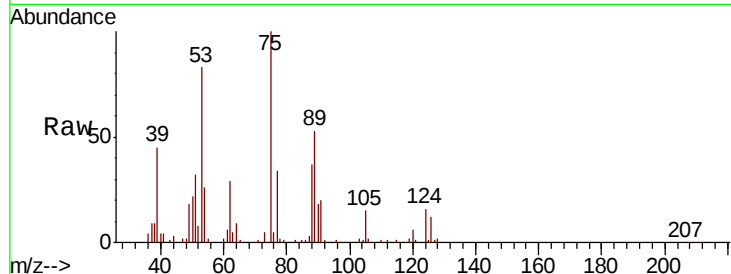
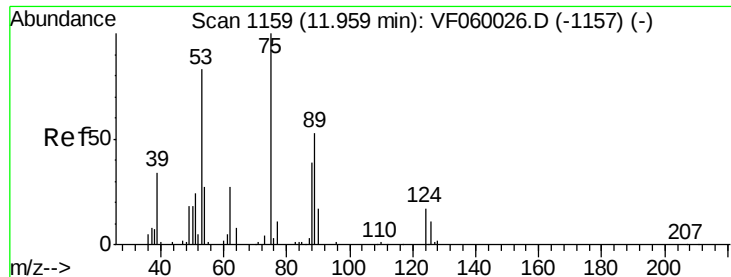
Tgt Ion: 105 Resp: 539395

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5





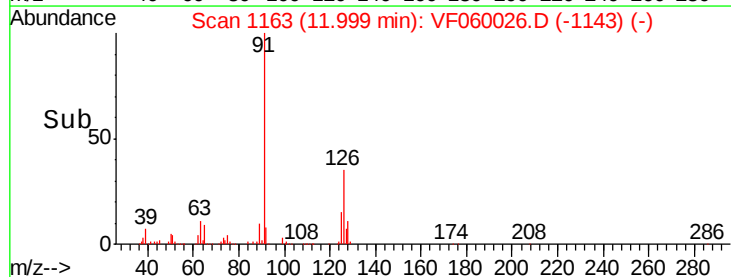
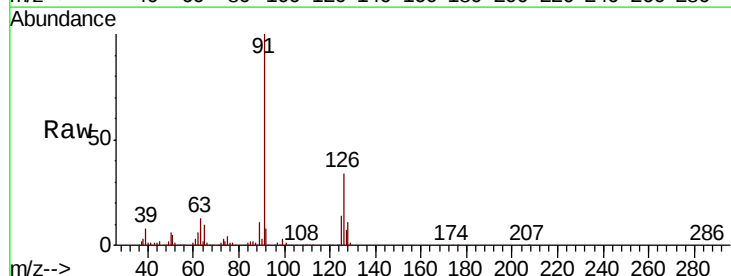
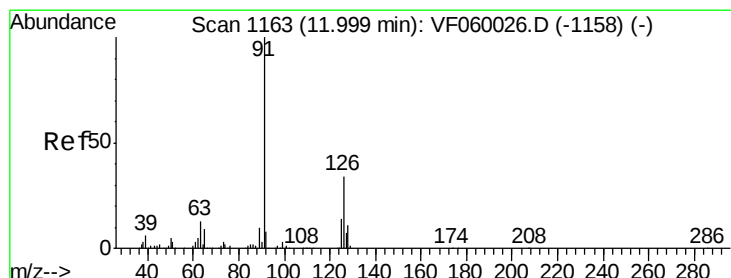
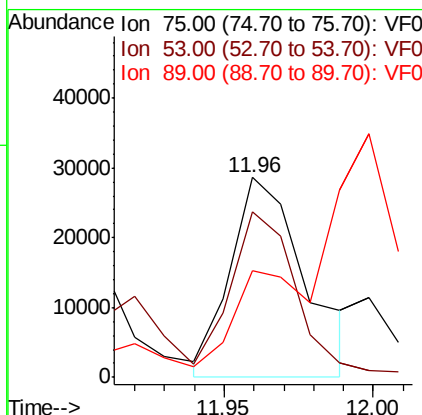
#81
trans-1,4-Dichloro-2-butene
Concen: 55.17 ug/l m
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	66.2	99.4
89	53.5	42.8	64.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

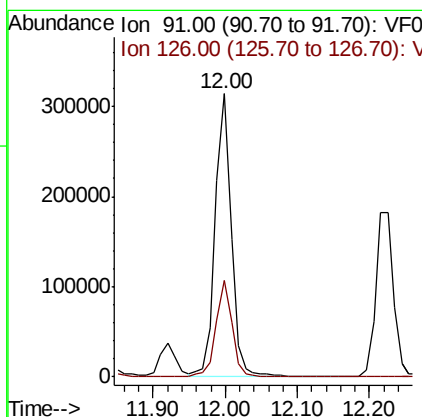
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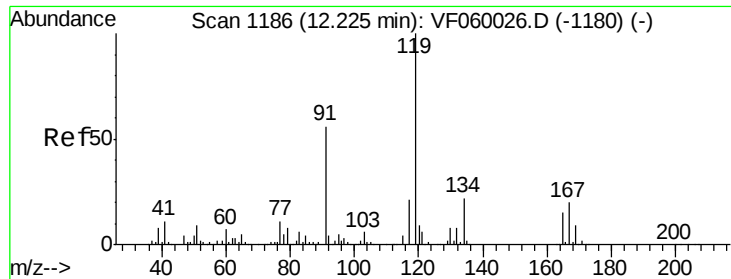
apatel
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#82
4-Chlorotoluene
Concen: 46.83 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





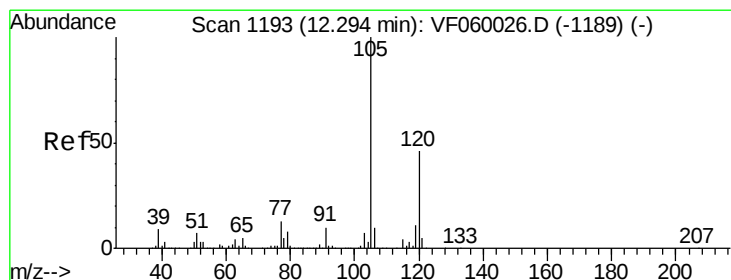
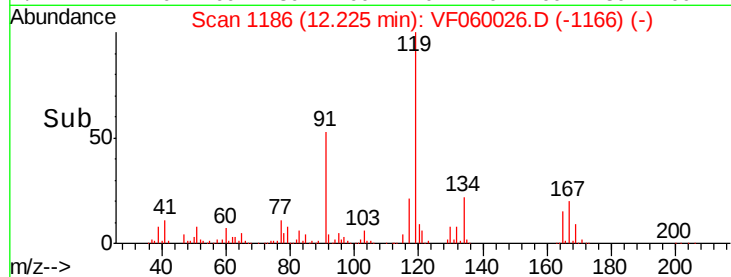
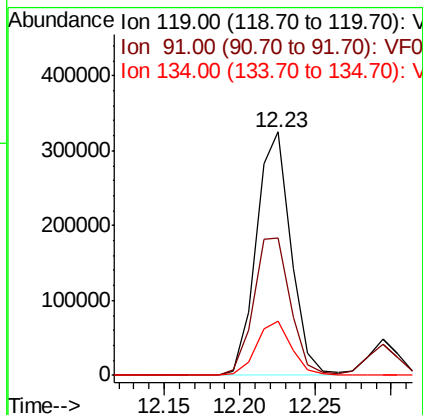
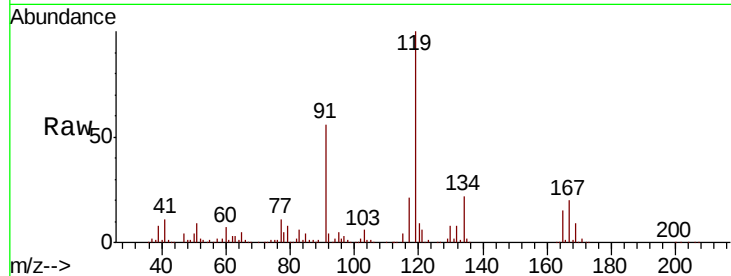
#83
 tert-Butylbenzene
 Concen: 47.64 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521453		
91	56.2	28.1	84.3	
134	22.2	11.1	33.3	

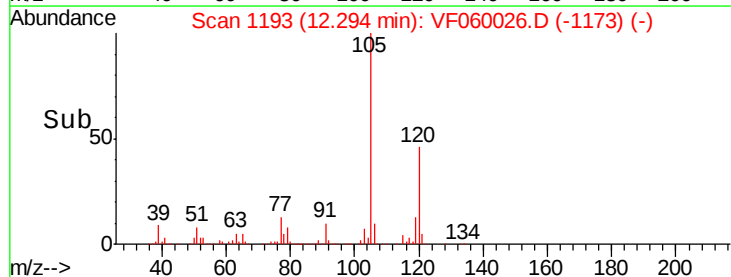
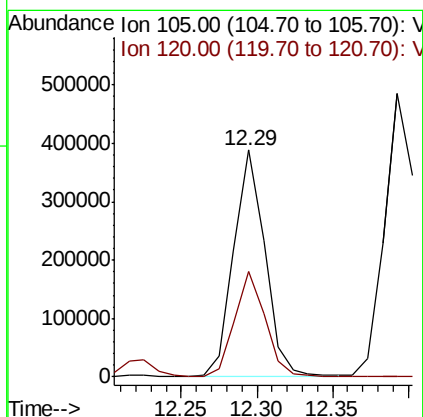
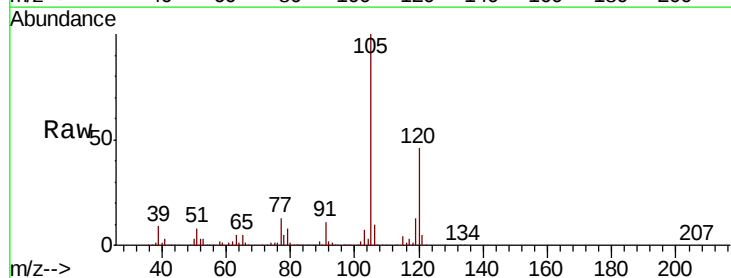
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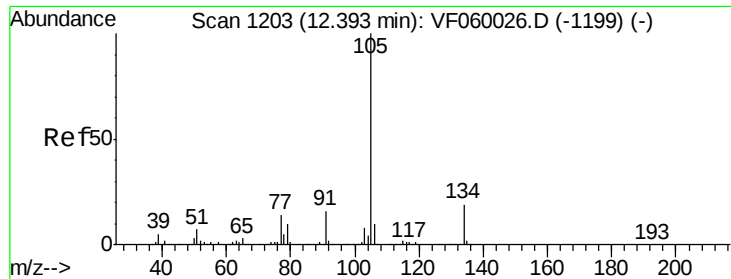
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.56 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	559707		
120	46.5	23.3	69.8	





#85

sec-Butylbenzene

Concen: 49.15 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 718075

Ion Ratio Lower Upper

105 100

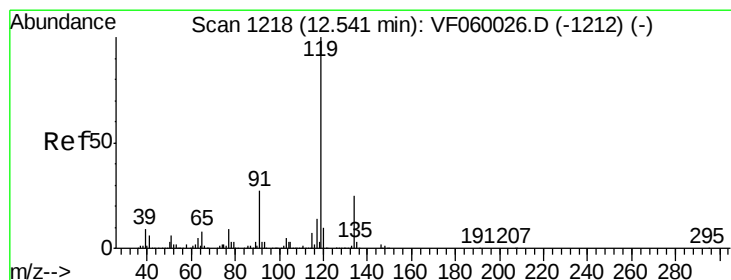
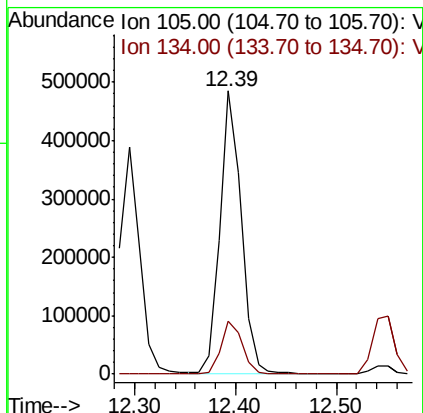
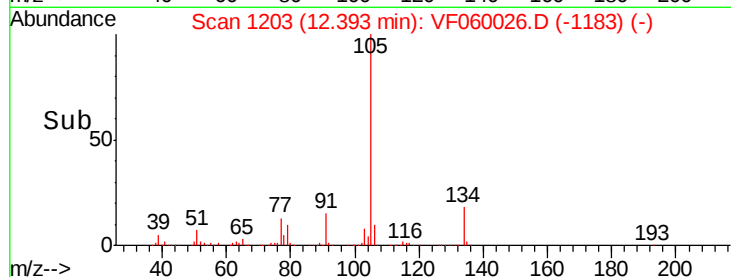
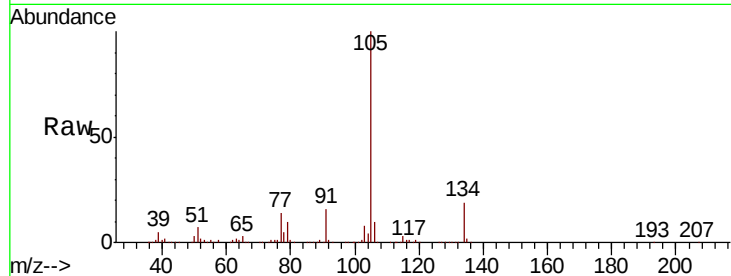
134 18.6 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.21 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060026.D

Acq: 21 Aug 2018 18:23

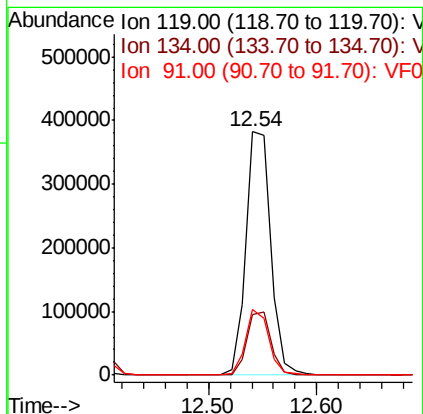
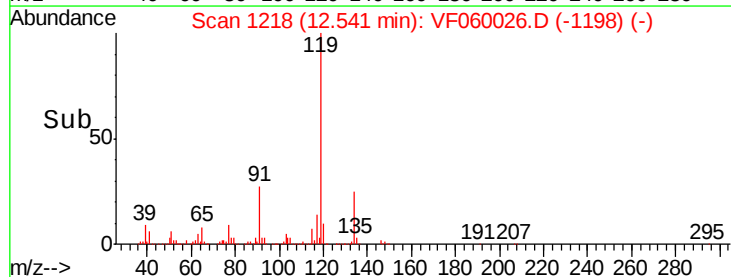
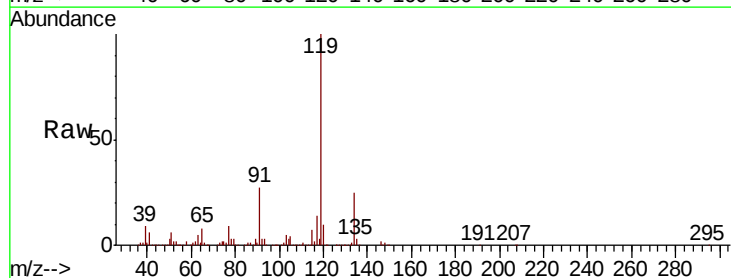
Tgt Ion:119 Resp: 609852

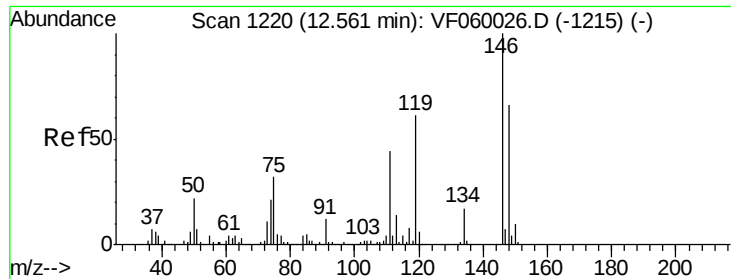
Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.2

91 26.9 13.5 40.4





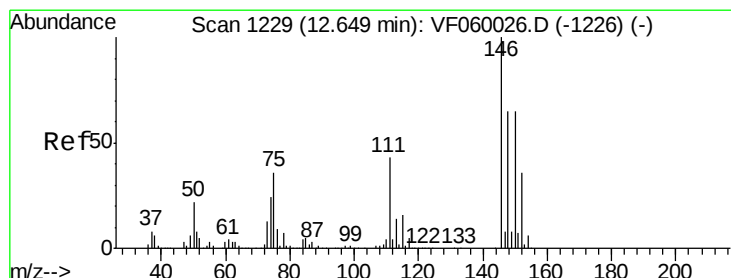
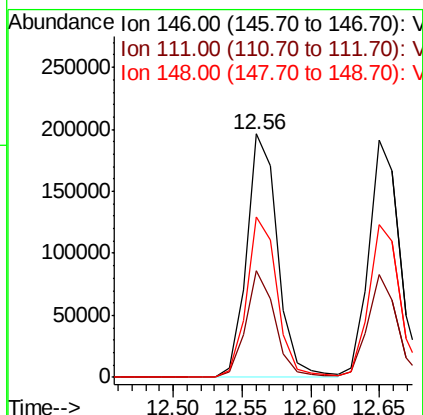
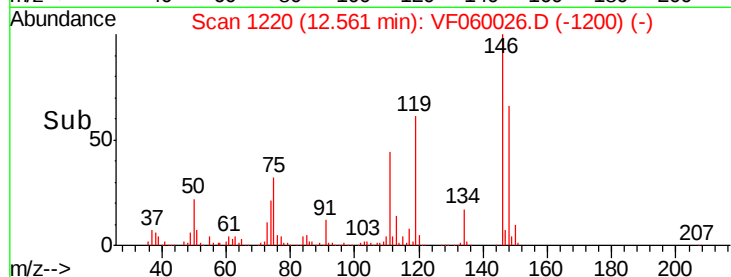
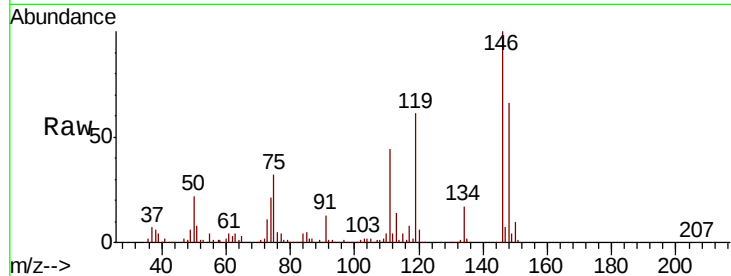
#87
 1,3-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	309147		
111	43.7	21.9	65.5	
148	65.8	32.9	98.7	

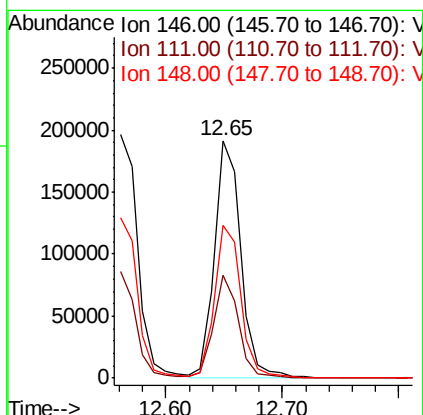
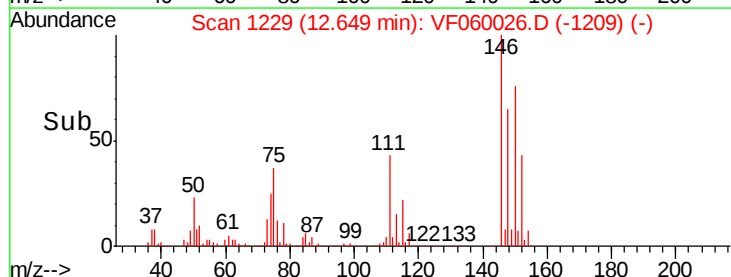
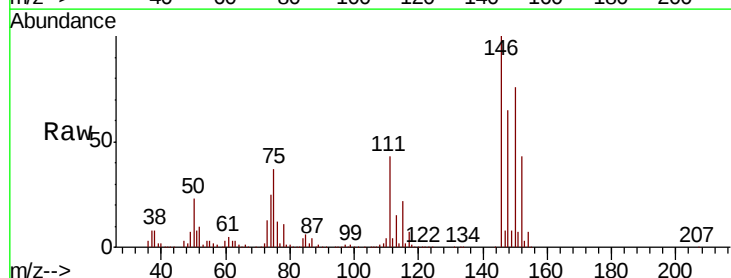
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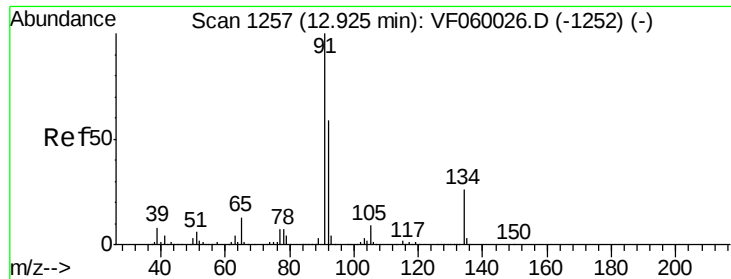
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#88
 1,4-Dichlorobenzene
 Concen: 46.45 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298692		
111	43.2	21.6	64.8	
148	64.5	32.3	96.8	





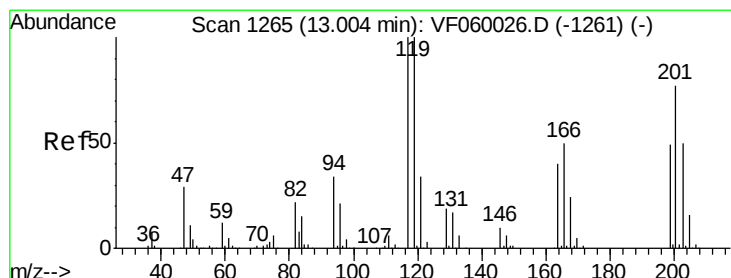
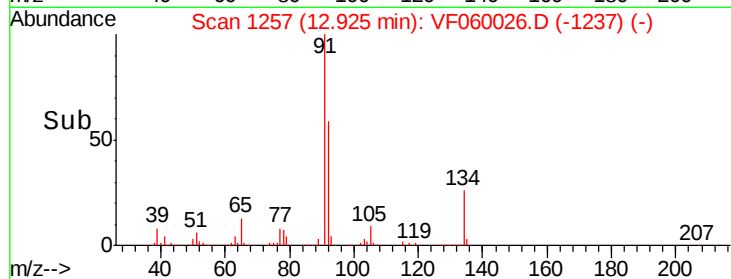
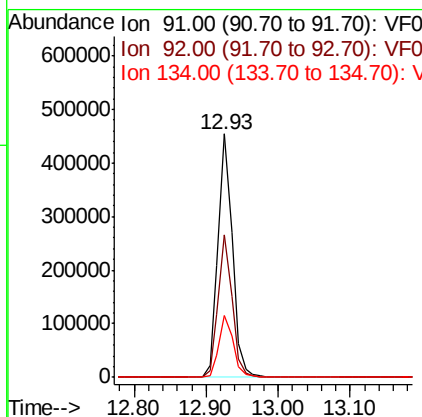
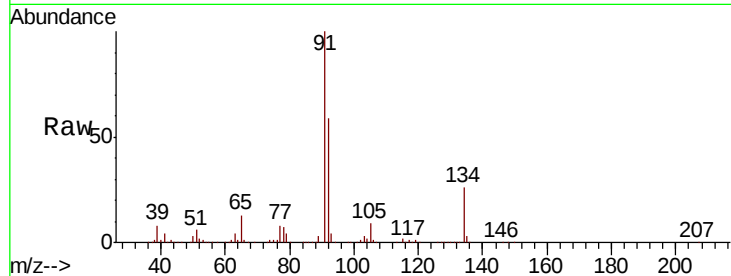
#89
n-Butylbenzene
Concen: 49.53 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	29.3	87.9
134	25.5	12.8	38.3

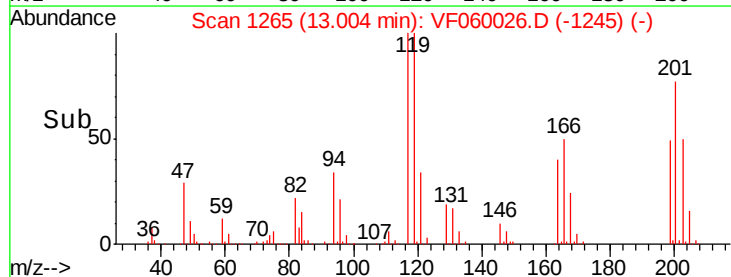
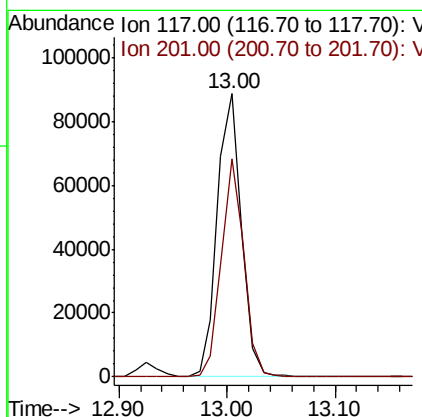
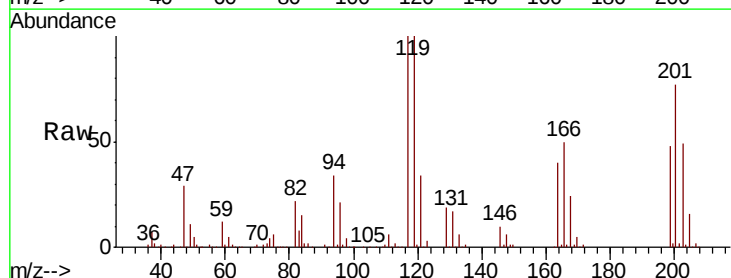
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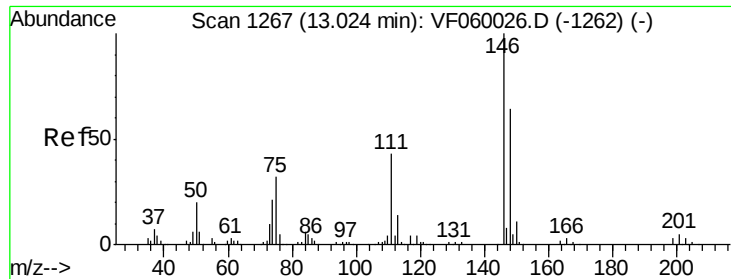
apatel
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#90
Hexachloroethane
Concen: 47.78 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.6	115.8





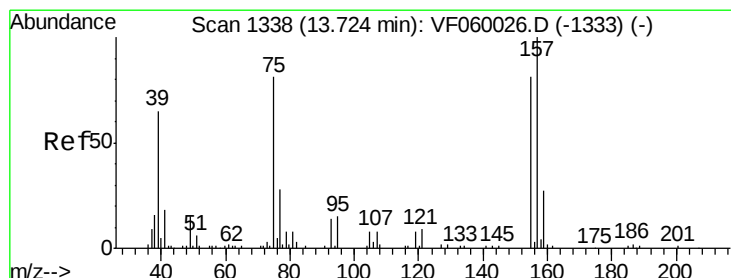
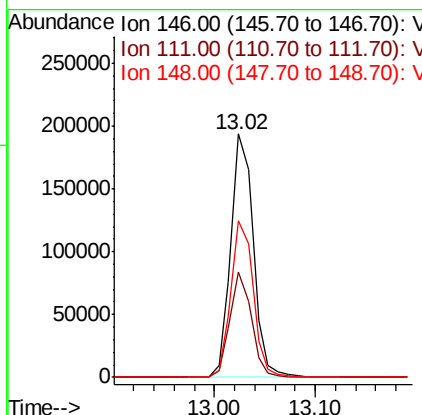
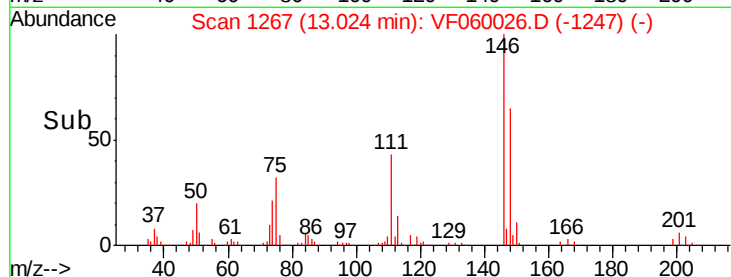
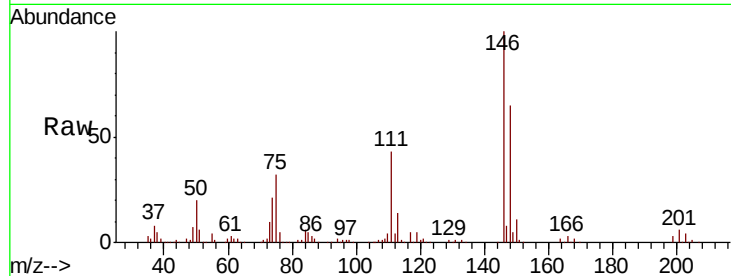
#91
 1,2-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	64.5	32.3	96.8

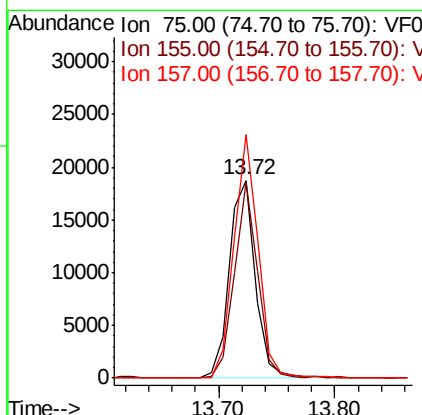
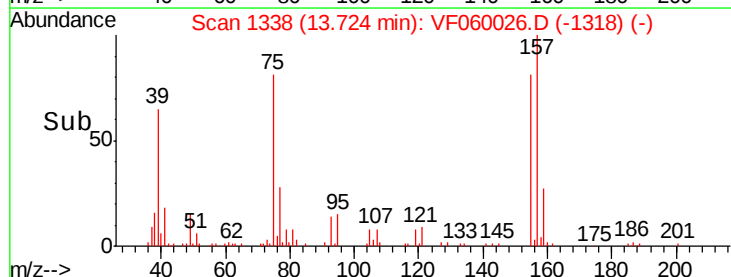
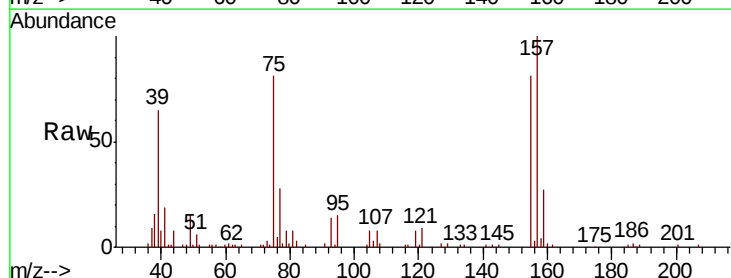
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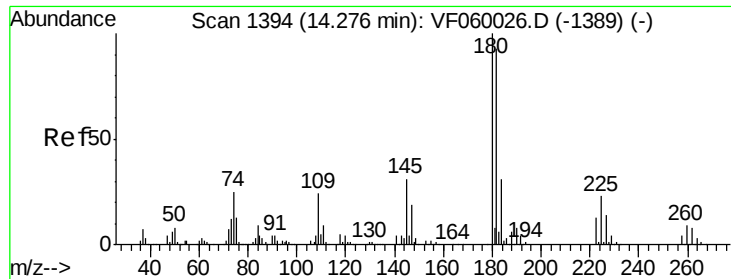
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.23 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	49.8	149.3
157	123.1	61.6	184.7





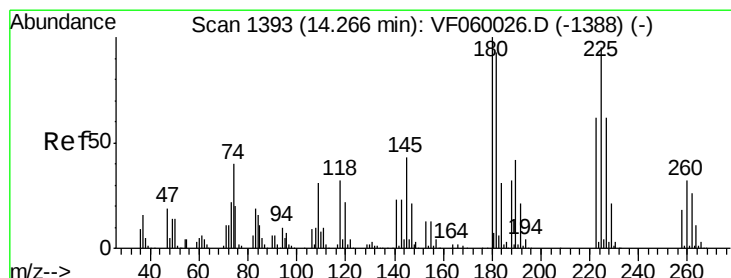
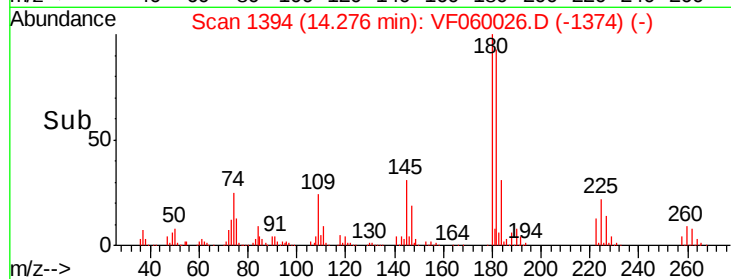
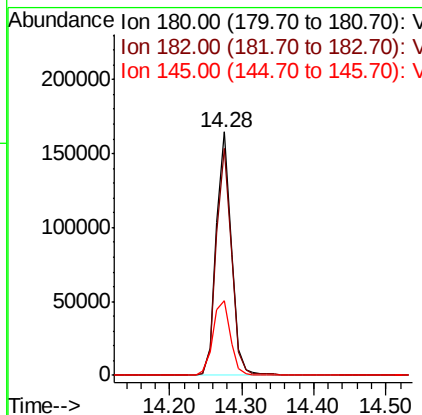
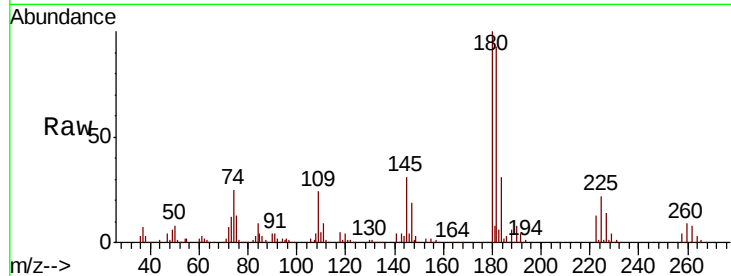
#93
 1,2,4-Trichlorobenzene
 Concen: 46.21 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	235720		
182	93.5	46.8	140.3	
145	30.9	15.4	46.4	

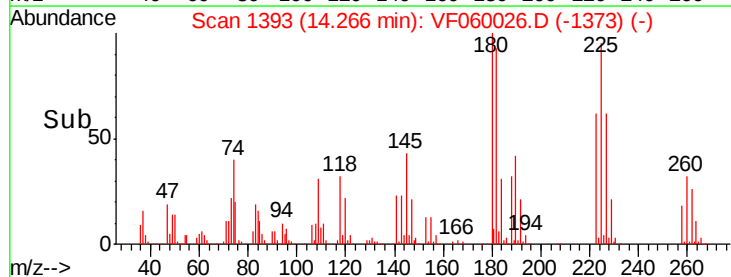
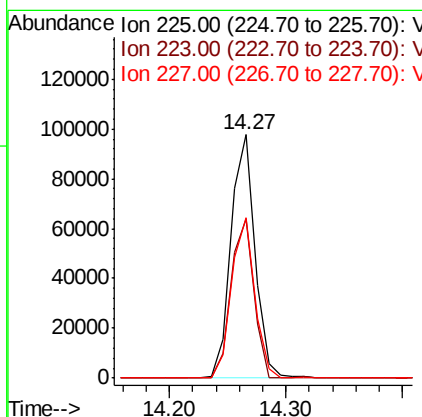
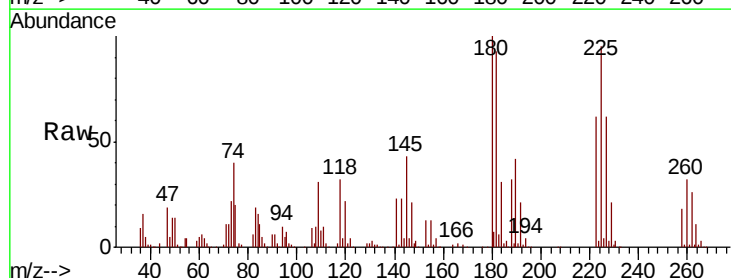
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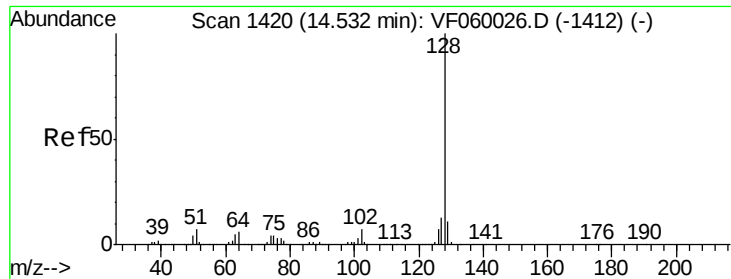
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#94
 Hexachlorobutadiene
 Concen: 41.66 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060026.D
 Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139661		
223	65.2	32.6	97.8	
227	65.9	33.0	98.9	





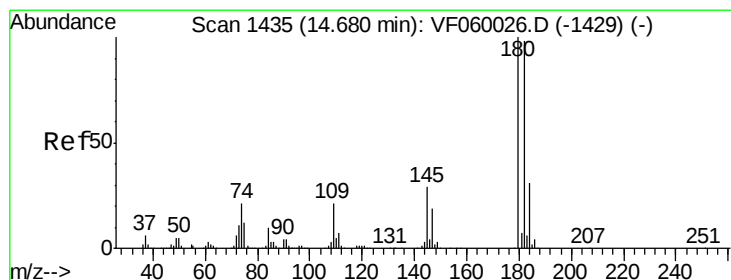
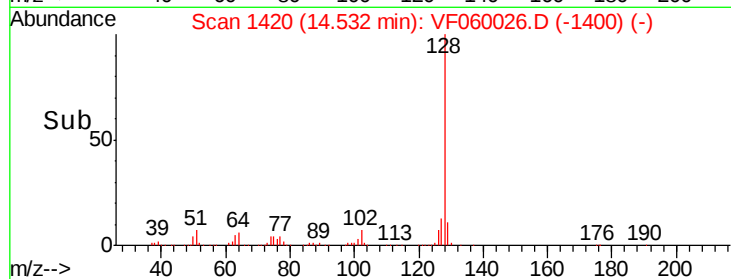
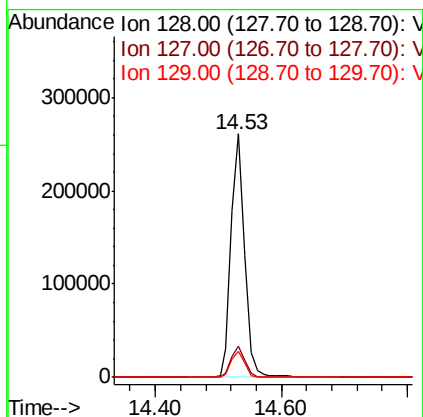
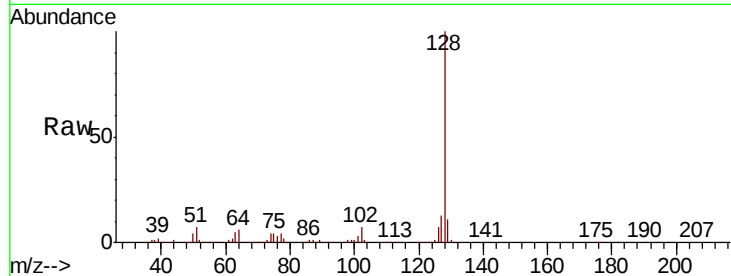
#95
Naphthalene
Concen: 52.70 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.20 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF060026.D
Acq: 21 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	49.0	147.2
145	28.8	14.4	43.2

