

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060034.D
 Acq On : 22 Aug 2018 12:30
 Operator : VA/AP
 Sample : VF0822SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Manual Integrations
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apatel
 8/23/2018 10:18:39 AM

Quant Time: Aug 23 04:31:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	221059	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	351783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	368339	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	215439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	154733	51.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	4.31	113	139622	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	7.73	98	378062	48.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.53	95	203269	48.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	59930	20.59	ug/l	99
3) Chloromethane	1.08	50	48206	23.56	ug/l	91
4) Vinyl Chloride	1.13	62	42154	23.33	ug/l	99
5) Bromomethane	1.33	94	30444	22.17	ug/l	93
6) Chloroethane	1.40	64	14385	20.20	ug/l #	87
7) Trichlorofluoromethane	1.49	101	78886	21.71	ug/l	96
8) Diethyl Ether	1.71	74	14244	21.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.87	101	42791	22.43	ug/l	94
10) Methyl Iodide	1.94	142	54660	21.68	ug/l	97
11) Tert butyl alcohol	2.70	59	16499	102.51	ug/l #	75
12) 1,1-Dichloroethene	1.84	96	31151	22.17	ug/l	97
13) Acrolein	2.10	56	5978	80.72	ug/l	93
14) Allyl chloride	2.19	41	54644	21.90	ug/l	97
15) Acrylonitrile	3.09	53	31969	100.65	ug/l	90
16) Acetone	2.35	43	96773	121.70	ug/l	98
17) Carbon Disulfide	1.85	76	105606	24.00	ug/l	99
18) Methyl Acetate	2.46	43	31839	21.06	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	92382	20.52	ug/l	99
20) Methylene Chloride	2.29	84	40911	23.40	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	33510	21.31	ug/l	99
22) Diisopropyl ether	2.94	45	109750	19.64	ug/l	98
23) Vinyl Acetate	3.35	43	336476	113.65	ug/l	100
24) 1,1-Dichloroethane	3.02	63	74830	21.68	ug/l	98
25) 2-Butanone	4.53	43	116180	112.49	ug/l	99
26) 2,2-Dichloropropane	3.78	77	77051	21.57	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	51156	22.96	ug/l	94
28) Bromochloromethane	3.91	49	32702	22.44	ug/l	100
29) Tetrahydrofuran	4.27	42	39727	101.88	ug/l	97
30) Chloroform	4.06	83	100991	20.84	ug/l	98
31) Cyclohexane	3.87	56	62026	23.58	ug/l #	89
32) 1,1,1-Trichloroethane	4.29	97	88235	21.26	ug/l	99
36) 1,1-Dichloropropene	4.48	75	66035	19.98	ug/l	93
37) Ethyl Acetate	4.31	43	45606	23.07	ug/l #	64
38) Carbon Tetrachloride	4.19	117	77770	20.32	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	67531	21.79	ug/l	89
40) Benzene	4.83	78	155217	21.49	ug/l	98
41) Methacrylonitrile	4.95	41	20186	20.19	ug/l #	86
42) 1,2-Dichloroethane	5.14	62	72009	18.60	ug/l	96
43) Isopropyl Acetate	7.13	43	47682	19.16	ug/l #	95
44) Trichloroethene	5.69	130	51715	21.66	ug/l	95
45) 1,2-Dichloropropane	6.41	63	44995	22.03	ug/l	98
46) Dibromomethane	6.28	93	34613	21.65	ug/l	98
47) Bromodichloromethane	6.57	83	79218	20.52	ug/l	97
48) Methyl methacrylate	6.90	41	29456	17.89	ug/l	93
49) 1,4-Dioxane	6.90	88	6171	390.39	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	223844	104.17	ug/l	97
52) Toluene	7.80	92	112282	21.36	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	72829	20.80	ug/l #	87
54) cis-1,3-Dichloropropene	7.48	75	78430	20.07	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	42262	21.69	ug/l	93
56) Ethyl methacrylate	8.78	69	50384	21.36	ug/l	91
57) 1,3-Dichloropropane	9.02	76	70855	20.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.80	63	18522	98.93	ug/l	100
59) 2-Hexanone	9.65	43	187791	107.98	ug/l	100
60) Dibromochloromethane	8.89	129	56434	19.62	ug/l	99
61) 1,2-Dibromoethane	9.15	107	46823	20.46	ug/l	98
64) Tetrachloroethene	8.33	164	49413	19.91	ug/l	93
65) Chlorobenzene	9.96	112	147838	21.26	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	53092	20.13	ug/l	93
67) Ethyl Benzene	10.06	91	258332	21.53	ug/l	99
68) m/p-Xylenes	10.29	106	193025	43.85	ug/l	99
69) o-Xylene	10.85	106	99964	21.26	ug/l	96
70) Styrene	10.92	104	157692	21.86	ug/l	97
71) Bromoform	10.91	173	36352	19.75	ug/l	94
73) Isopropylbenzene	11.24	105	295905	22.82	ug/l	98
74) N-amyl acetate	11.48	43	86128	21.37	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	62988	22.24	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	45542	20.74	ug/l	91
77) Bromobenzene	11.61	156	75318	21.36	ug/l	89
78) n-propylbenzene	11.71	91	365222	22.82	ug/l	99
79) 2-Chlorotoluene	11.83	91	211870	22.51	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	251721	22.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	21579m	21.47	ug/l	
82) 4-Chlorotoluene	12.00	91	225467	22.07	ug/l	96
83) tert-Butylbenzene	12.23	119	249698	22.66	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	264672	22.04	ug/l	97
85) sec-Butylbenzene	12.40	105	338753	22.08	ug/l	96
86) p-Isopropyltoluene	12.55	119	293644	23.07	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	141876	21.76	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	136306	21.03	ug/l	97
89) n-Butylbenzene	12.93	91	284226	22.99	ug/l	98
90) Hexachloroethane	13.01	117	63341	22.15	ug/l	86
91) 1,2-Dichlorobenzene	13.04	146	135444	21.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	11192	19.34	ug/l	89

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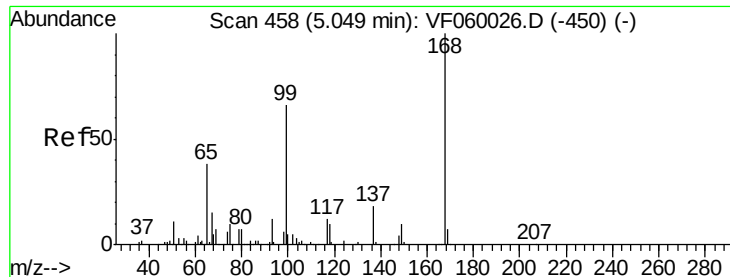
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102899	22.28	ug/l	97
94) Hexachlorobutadiene	14.27	225	61953	21.55	ug/l	96
95) Naphthalene	14.55	128	141373	19.12	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	97422	22.11	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion:168 Resp: 221059

Ion Ratio Lower Upper

168 100

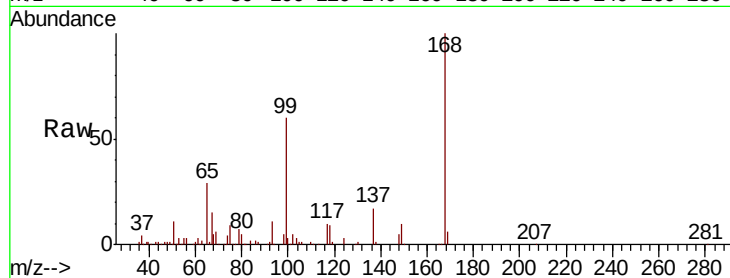
99 59.6 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

80000

60000

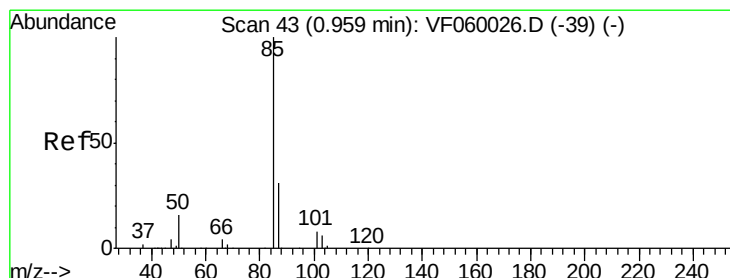
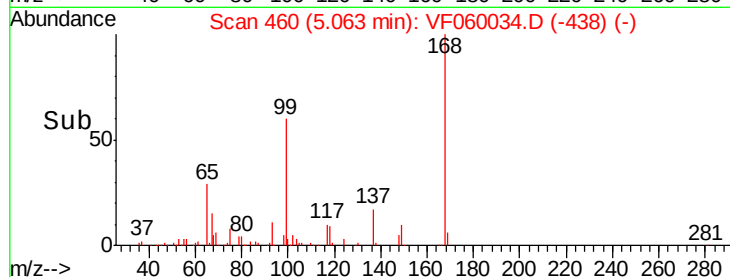
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.59 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060034.D

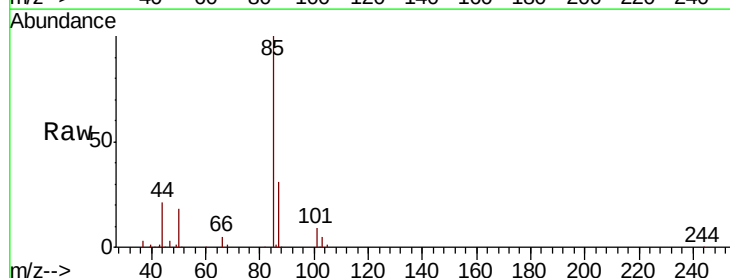
Acq: 22 Aug 2018 12:30

Tgt Ion: 85 Resp: 59930

Ion Ratio Lower Upper

85 100

87 31.0 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

50000

40000

30000

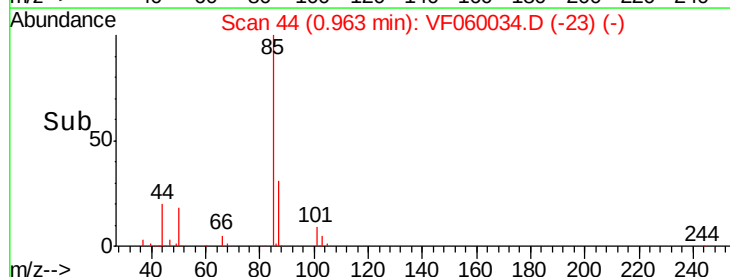
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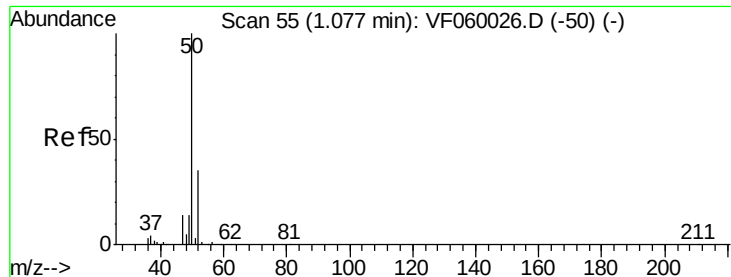
10000

0

Time-->

0.90 0.95 1.00 1.05





#3

Chloromethane

Concen: 23.56 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 50 Resp: 48206

Ion Ratio Lower Upper

50 100

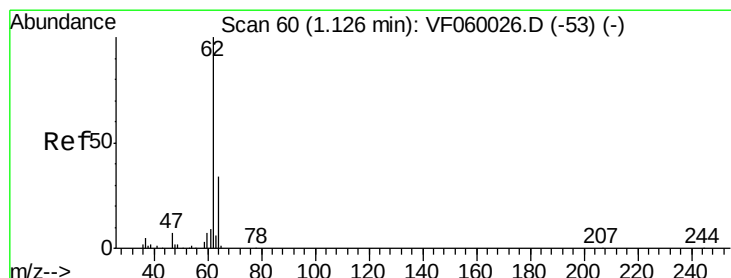
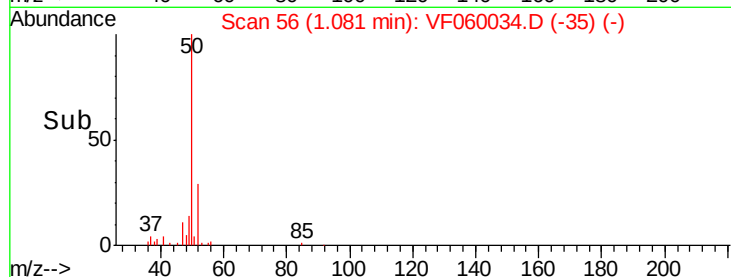
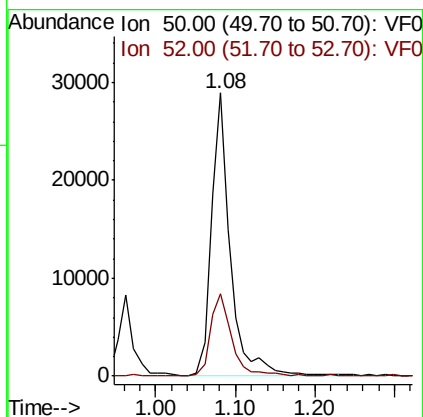
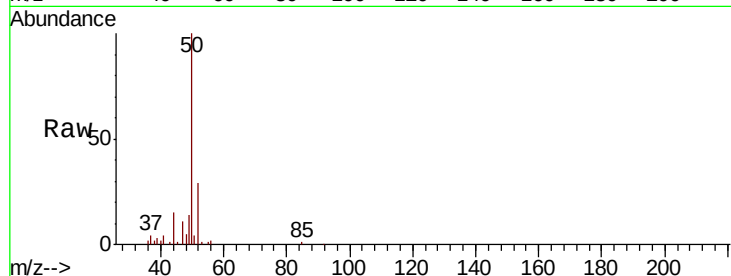
52 29.2 27.6 41.4

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#4

Vinyl Chloride

Concen: 23.33 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF060034.D

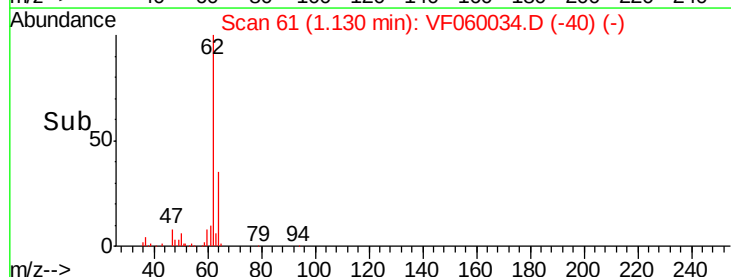
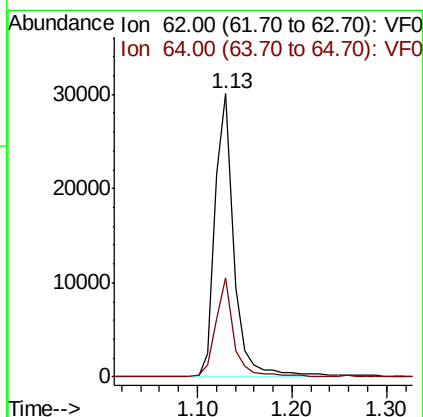
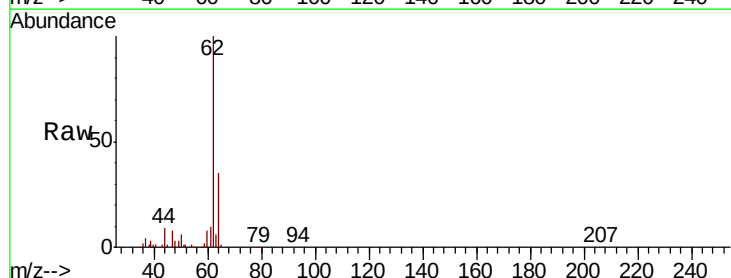
Acq: 22 Aug 2018 12:30

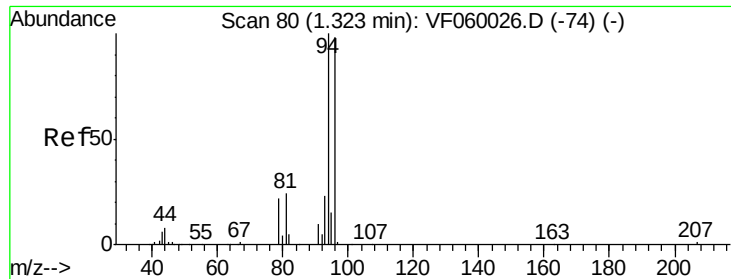
Tgt Ion: 62 Resp: 42154

Ion Ratio Lower Upper

62 100

64 34.9 27.4 41.2





#5

Bromomethane

Concen: 22.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 94 Resp: 30444

Ion Ratio Lower Upper

94 100

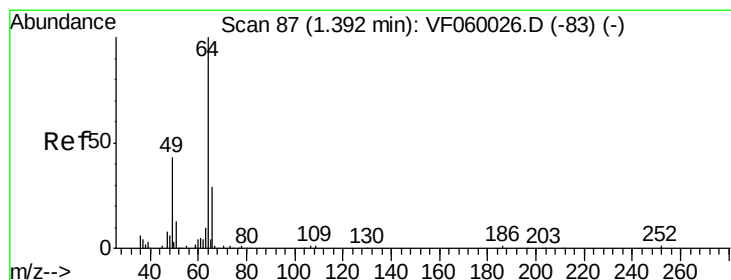
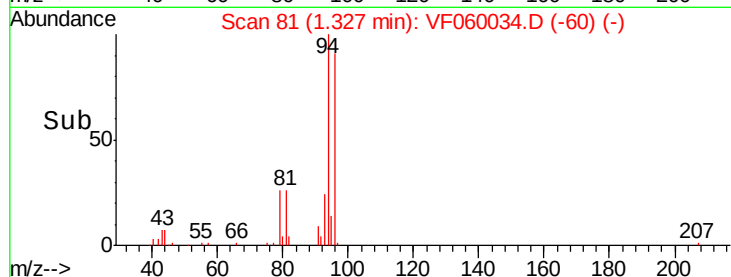
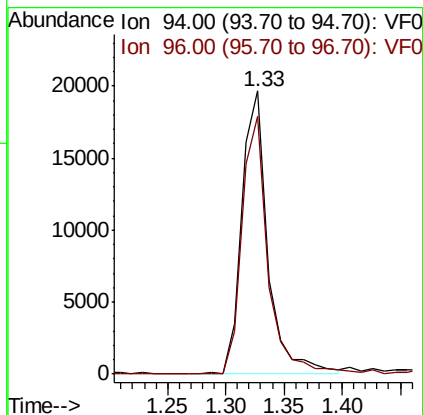
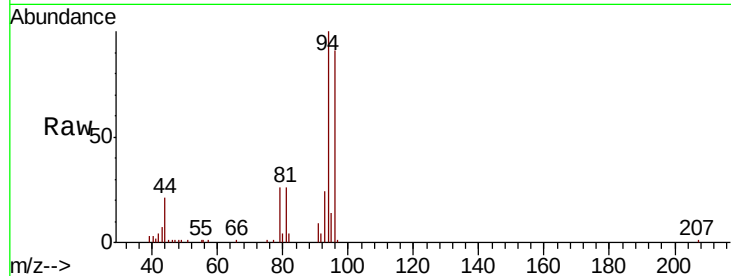
96 91.2 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 20.20 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060034.D

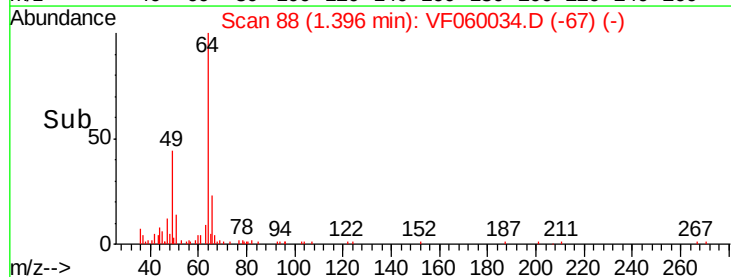
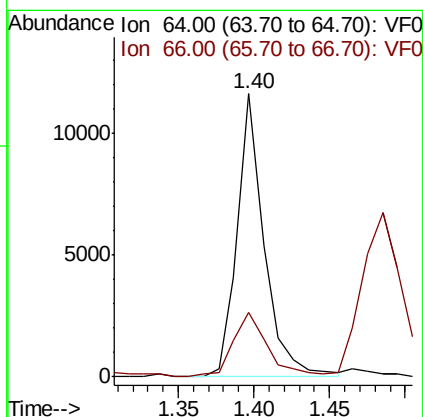
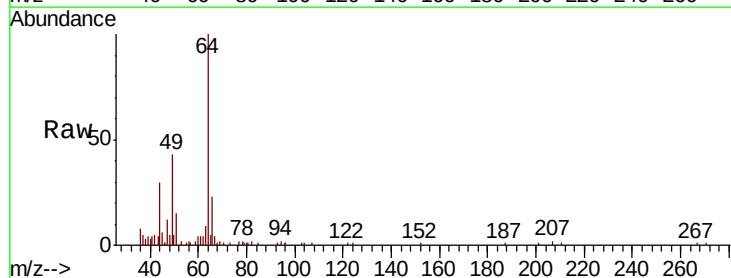
Acq: 22 Aug 2018 12:30

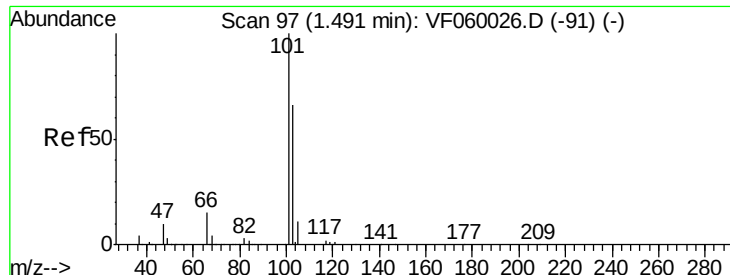
Tgt Ion: 64 Resp: 14385

Ion Ratio Lower Upper

64 100

66 23.0 24.1 36.1#





#7

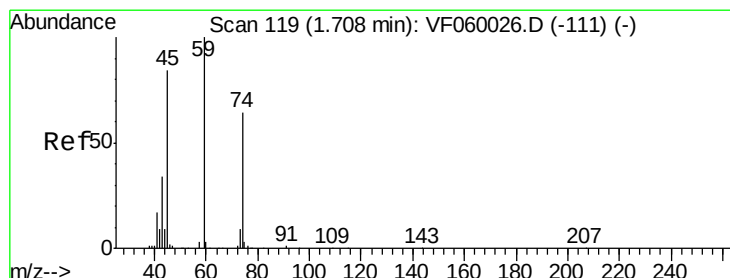
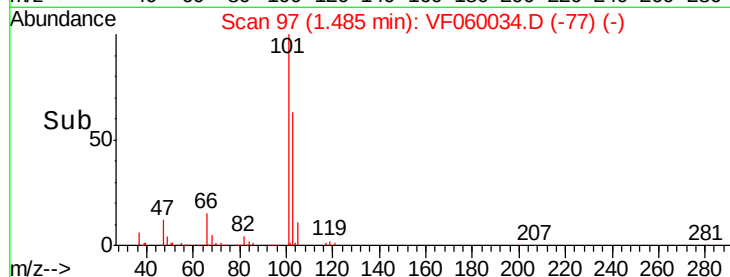
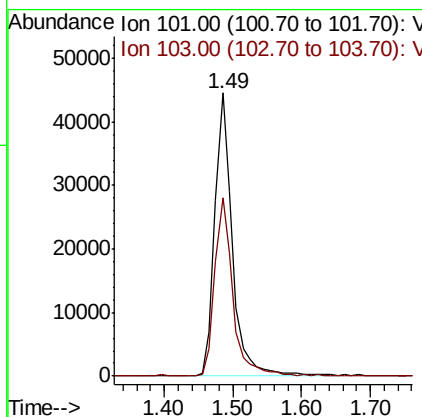
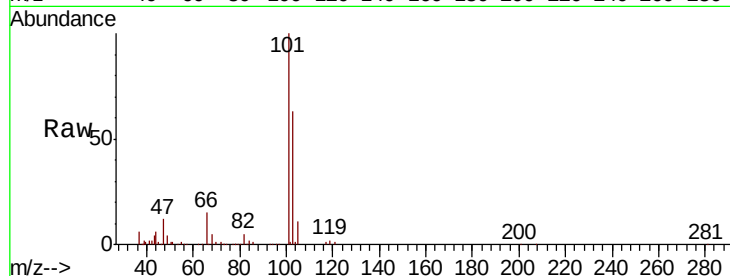
Trichlorofluoromethane
 Concen: 21.71 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.5	78.7

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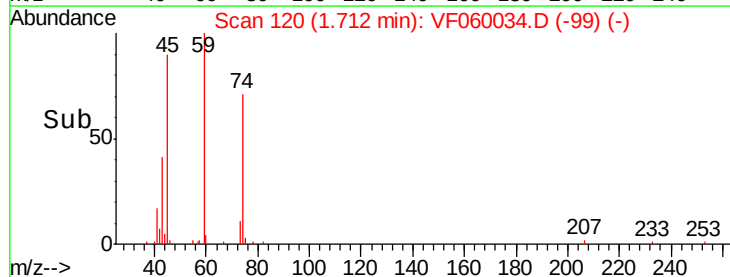
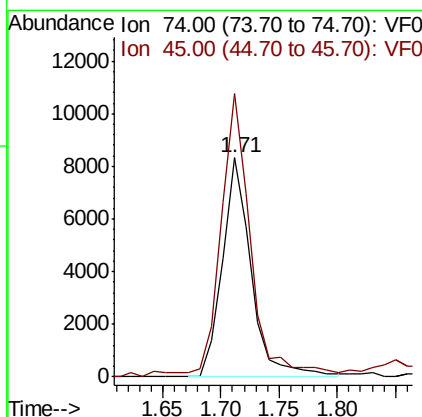
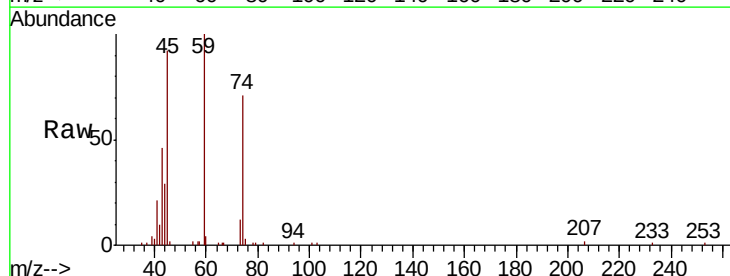
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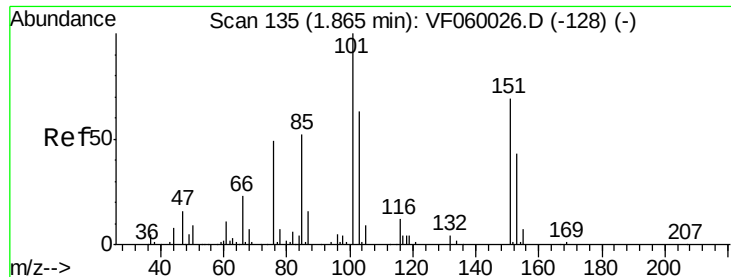


#8

Diethyl Ether
 Concen: 21.93 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.2	66.0	198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.43 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

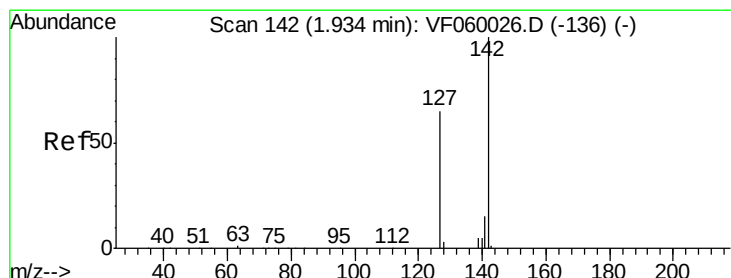
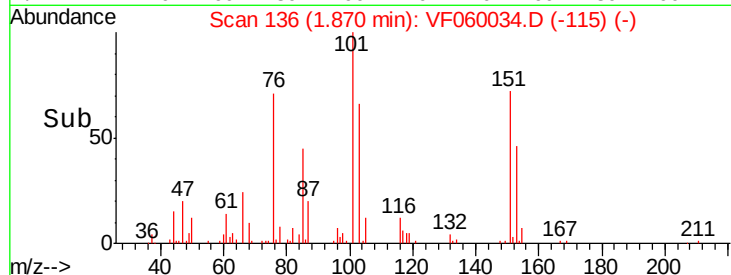
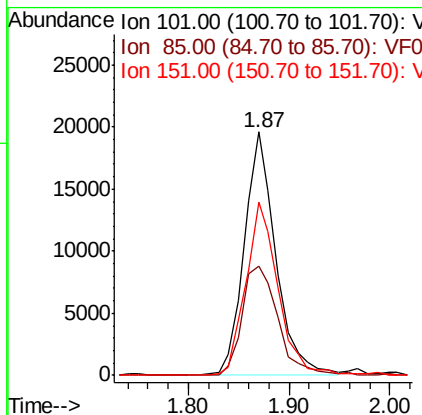
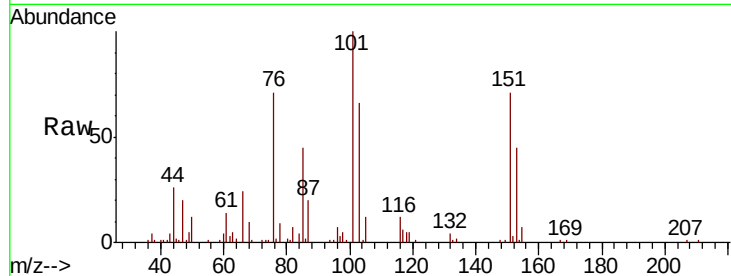
ClientSampleId :

VF0822SBS01

Tot Ion:	101	Resp:	42791
Ion Ratio	Lower	Upper	
101	100		
85	44.7	41.5	62.3
151	71.3	55.2	82.8

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#10

Methyl Iodide

Concen: 21.68 ug/l

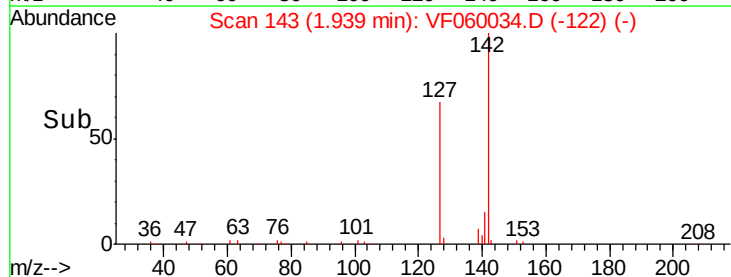
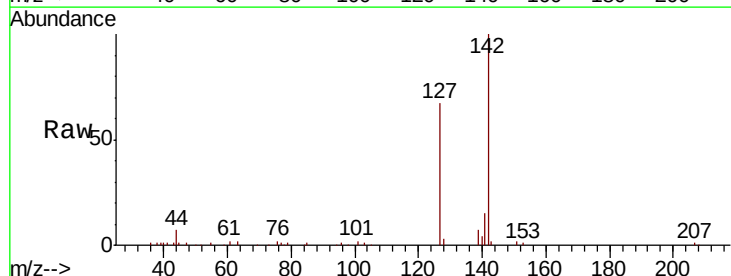
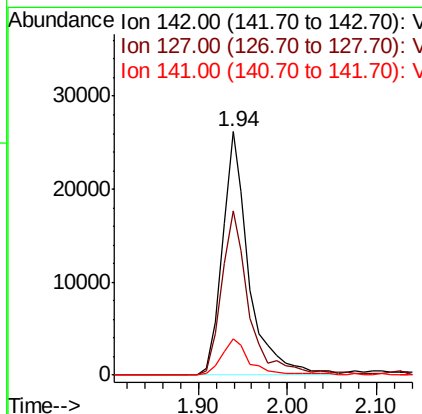
RT: 1.94 min Scan# 143

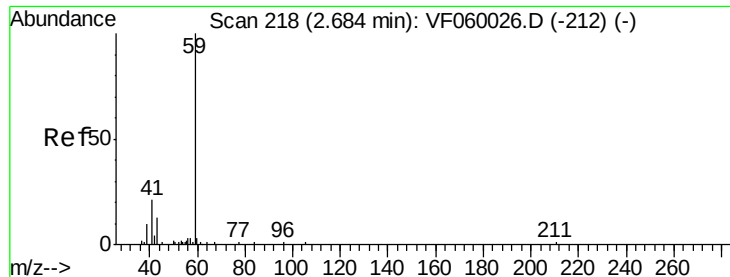
Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	142	Resp:	54660
Ion Ratio	Lower	Upper	
142	100		
127	67.3	51.8	77.6
141	15.1	11.9	17.9





#11

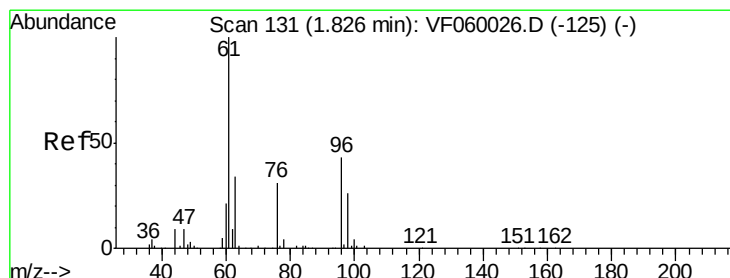
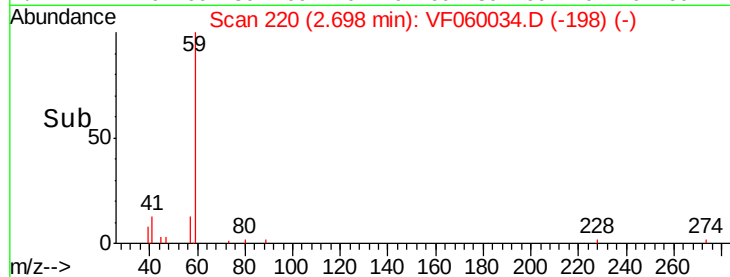
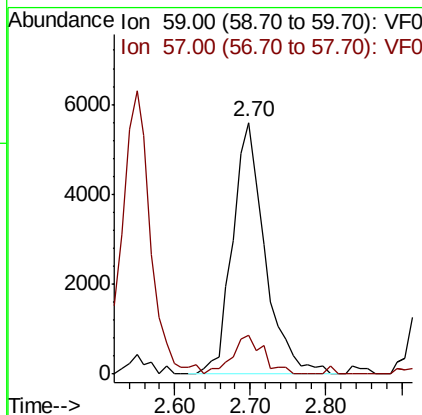
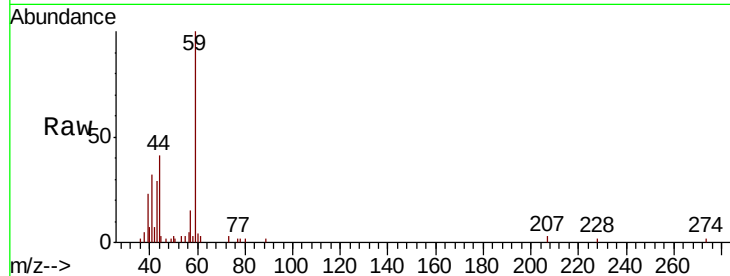
Tert butyl alcohol
 Concen: 102.51 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.2	5.4	8.2#

Manual Integrations
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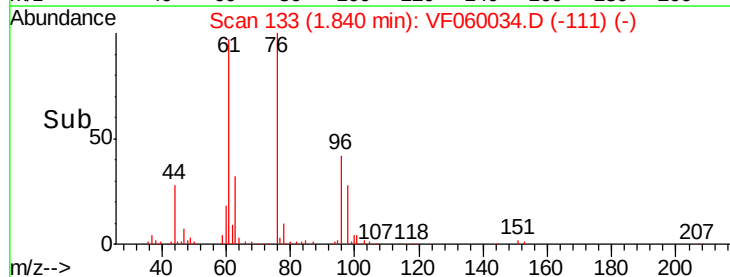
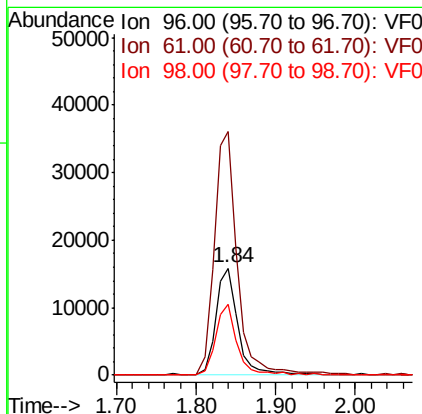
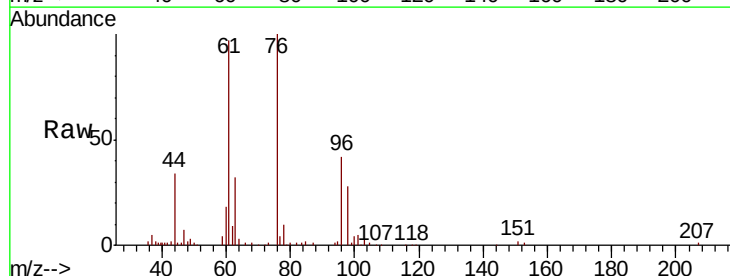
apatel
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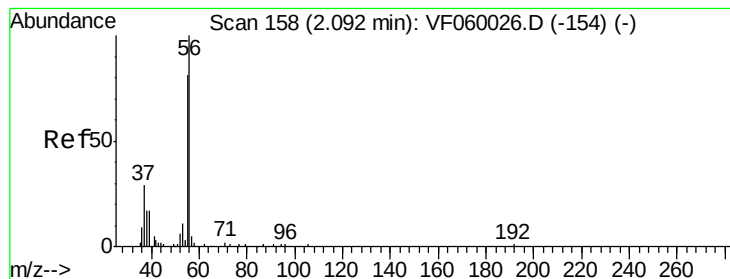


#12

1,1-Dichloroethene
 Concen: 22.17 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.1	185.0	277.6
98	66.6	47.8	71.8





#13

Acrolein

Concen: 80.72 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 56 Resp: 5978

Ion Ratio Lower Upper

56 100

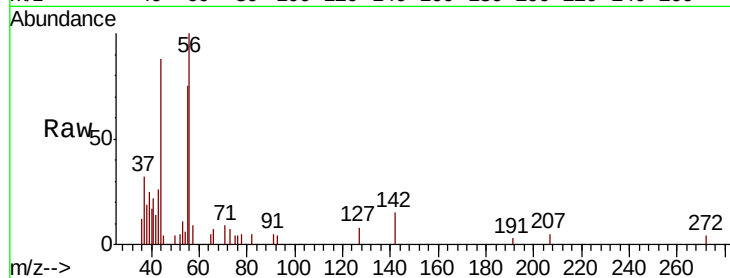
55 75.5 65.6 98.4

Manual Integrations

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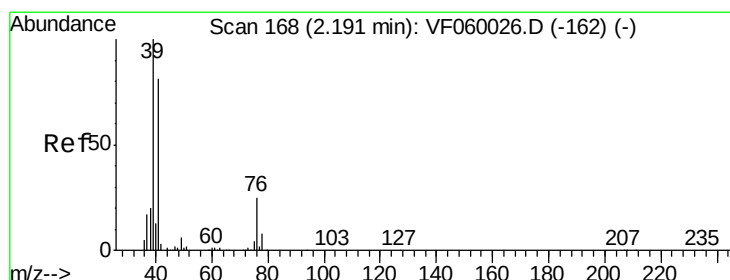
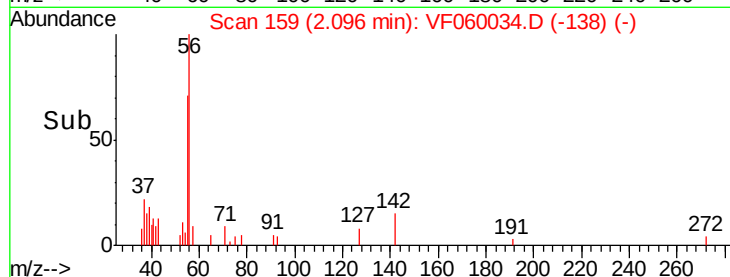
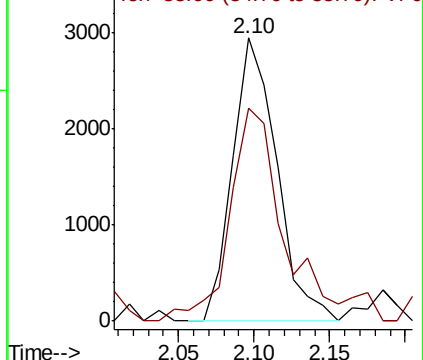
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.90 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

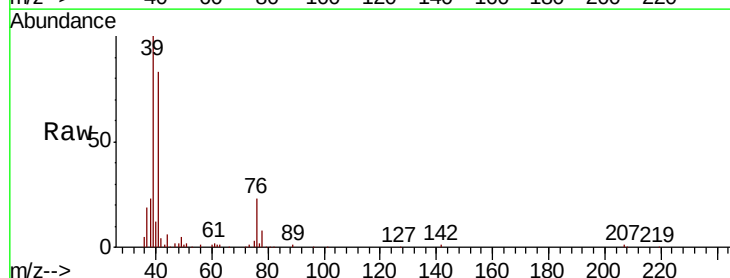
Tgt Ion: 41 Resp: 54644

Ion Ratio Lower Upper

41 100

39 121.0 99.3 148.9

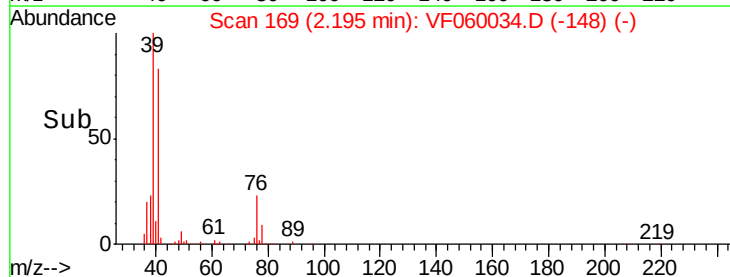
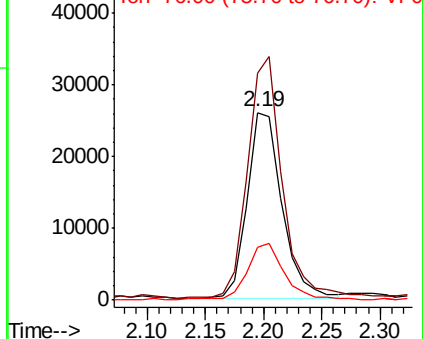
76 28.4 24.3 36.5

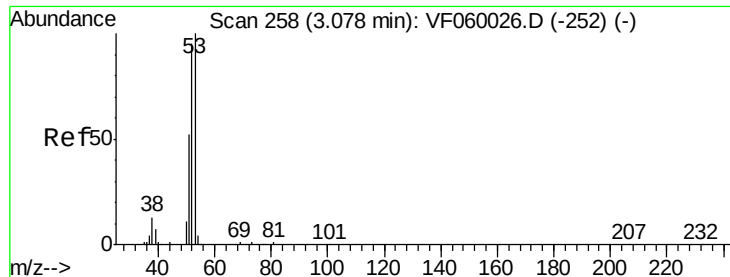


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 100.65 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

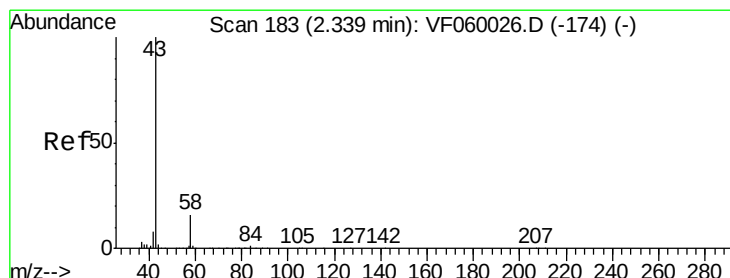
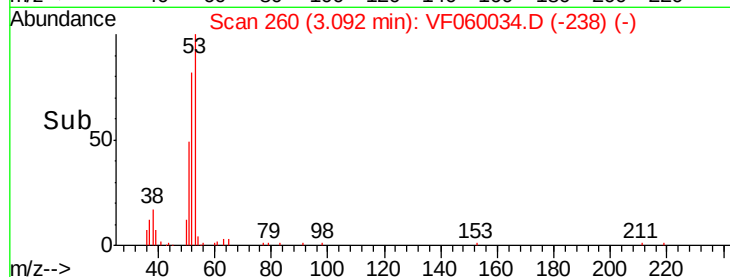
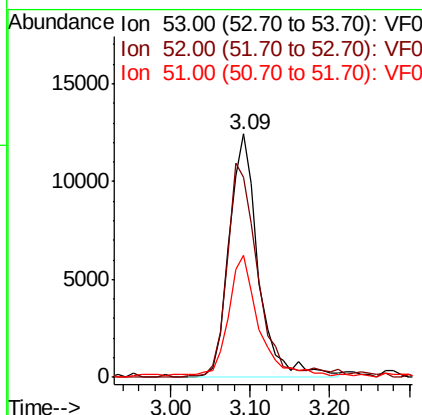
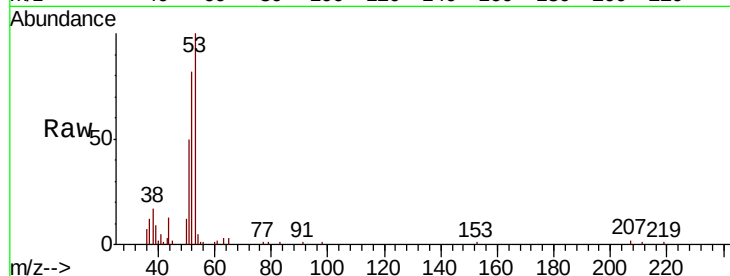
ClientSampleId :

VF0822SBS01

Tot Ion:	53	Resp:	31969
Ion	Ratio	Lower	Upper
53	100		
52	82.2	75.8	113.8
51	49.9	42.1	63.1

Manual Integrations
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#16

Acetone

Concen: 121.70 ug/l

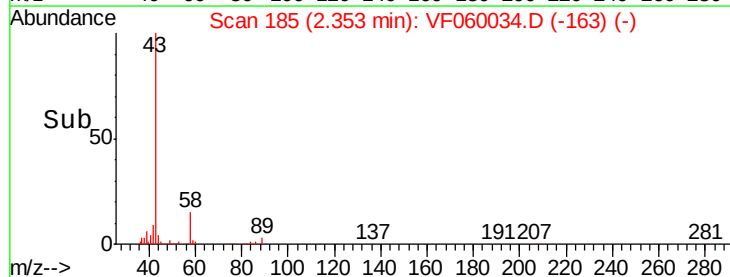
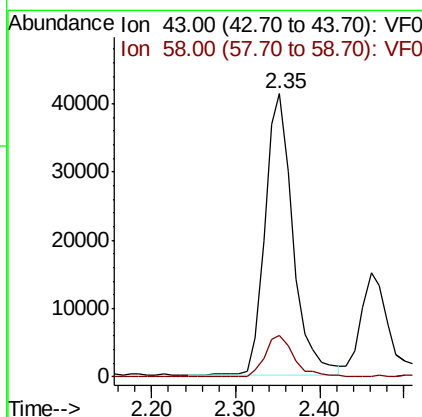
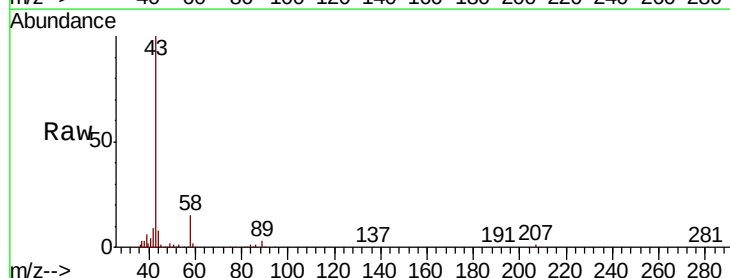
RT: 2.35 min Scan# 185

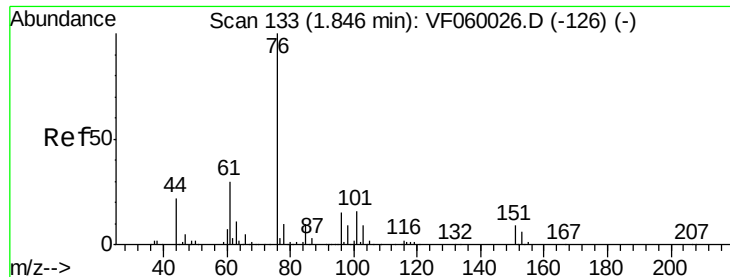
Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	43	Resp:	96773
Ion	Ratio	Lower	Upper
43	100		
58	14.8	12.6	19.0





#17

Carbon Disulfide

Concen: 24.00 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 76 Resp: 105606

Ion Ratio Lower Upper

76 100

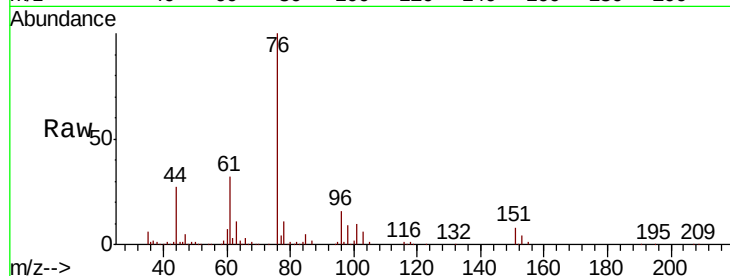
78 10.9 8.4 12.6

Manual Integrations

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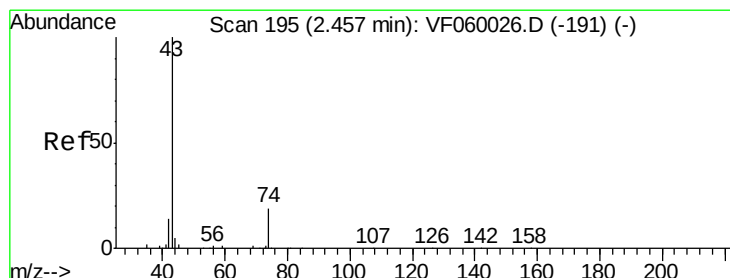
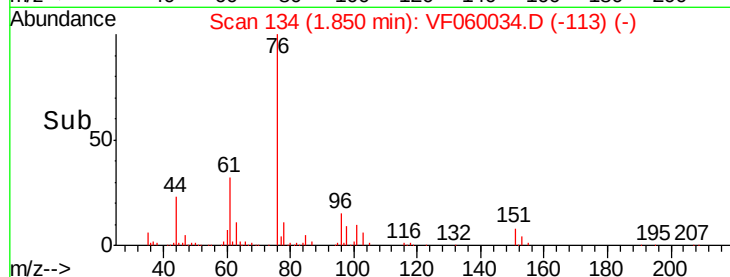
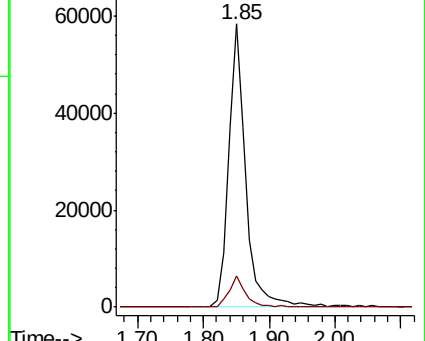
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 21.06 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF060034.D

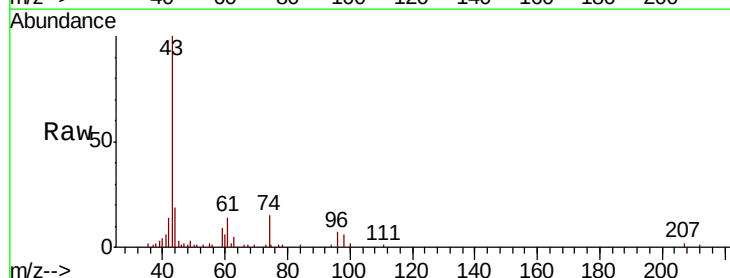
Acq: 22 Aug 2018 12:30

Tgt Ion: 43 Resp: 31839

Ion Ratio Lower Upper

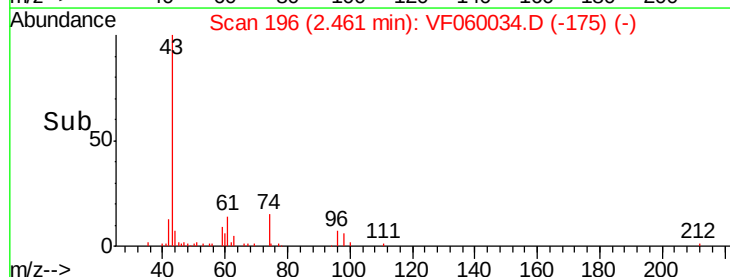
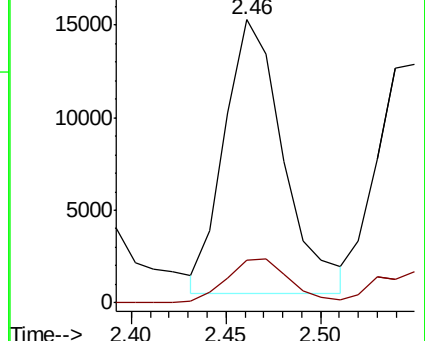
43 100

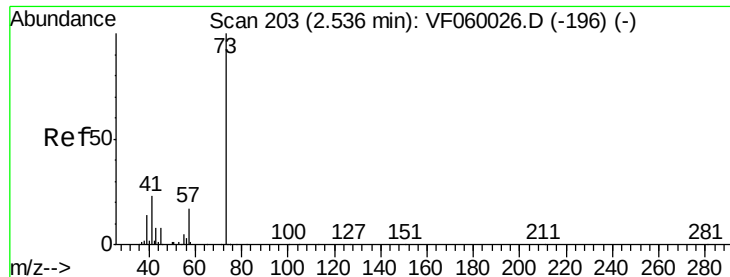
74 15.1 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





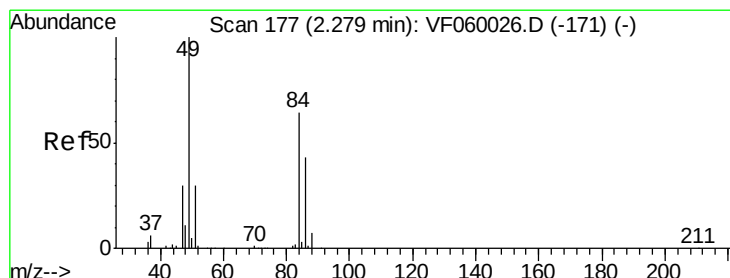
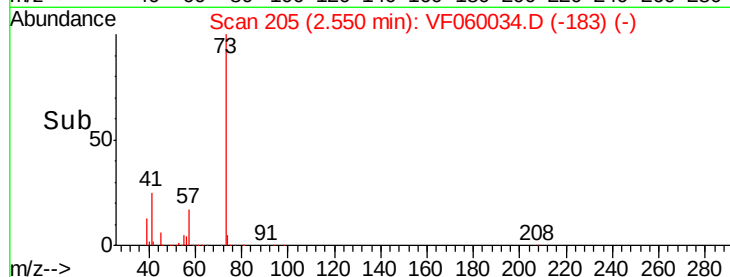
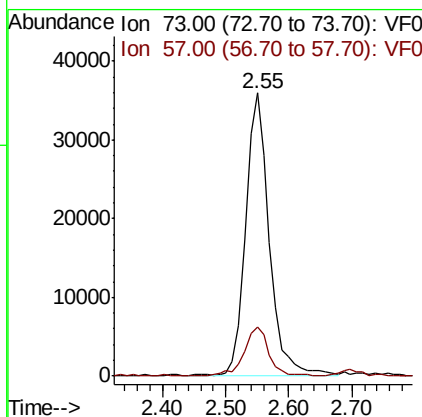
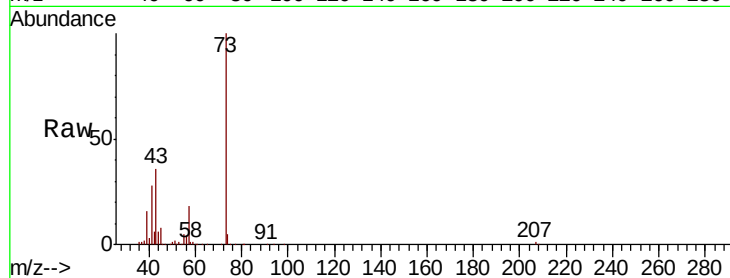
#19
Methyl tert-butyl Ether
Concen: 20.52 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	13.7	20.5

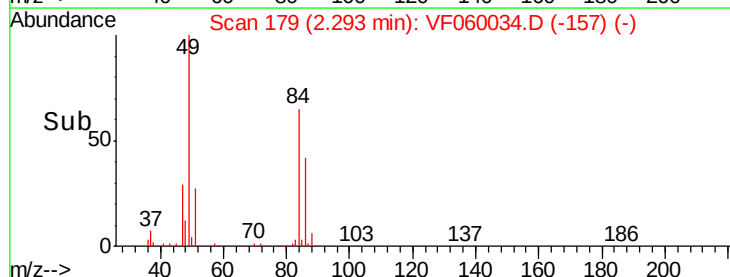
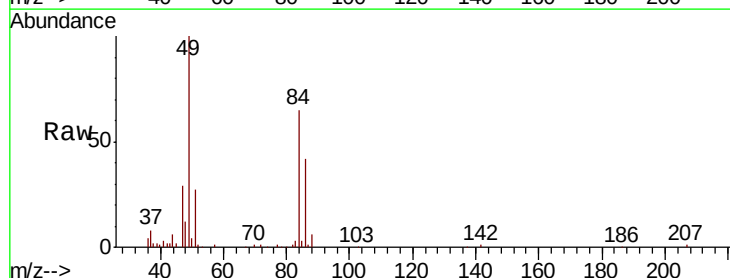
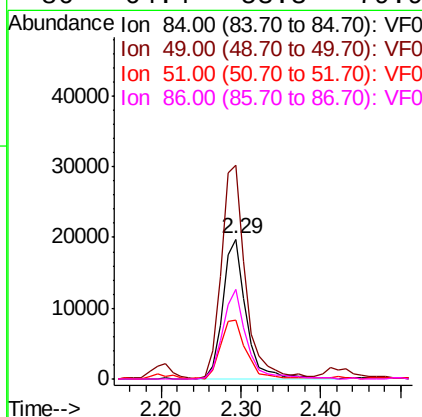
Manual Integrations
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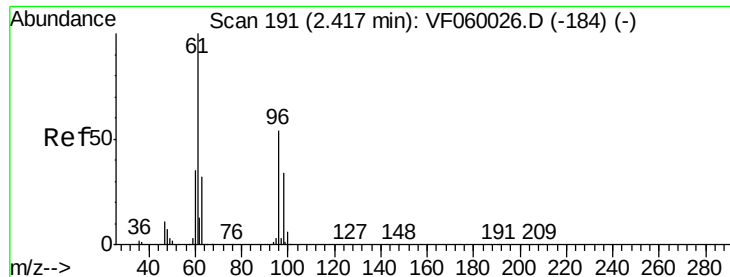
apatel
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#20
Methylene Chloride
Concen: 23.40 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.7	125.4	188.0
51	41.9	38.3	57.5
86	64.4	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 21.31 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

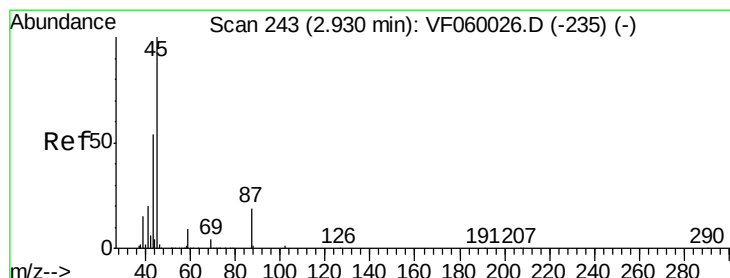
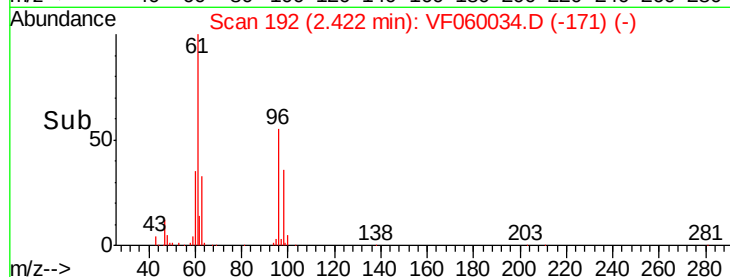
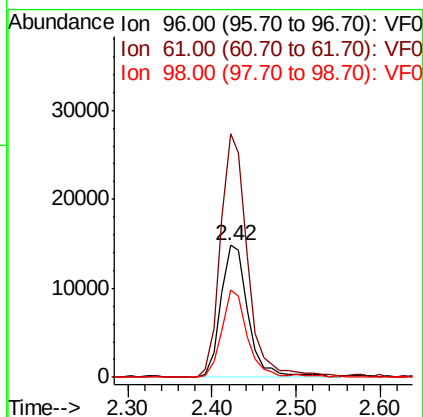
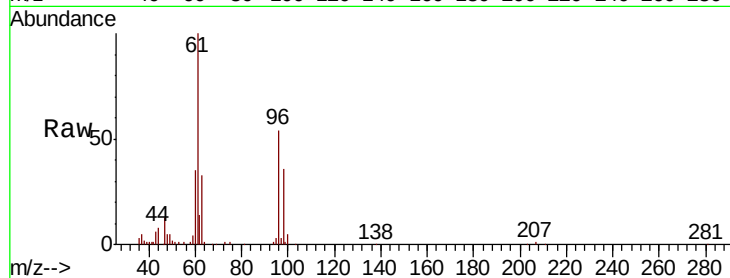
ClientSampleId :

VF0822SBS01

Tot Ion:	96	Resp:	33510
Ion	Ratio	Lower	Upper
96	100		
61	184.3	147.4	221.0
98	65.9	49.8	74.6

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#22

Diisopropyl ether

Concen: 19.64 ug/l

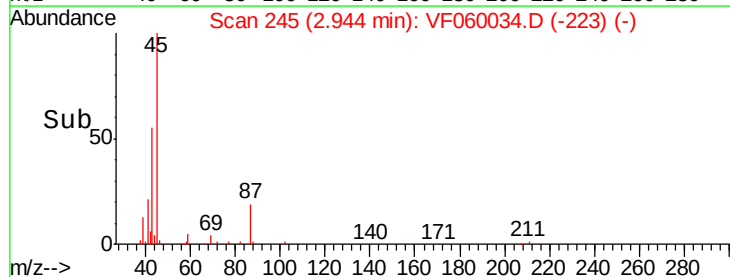
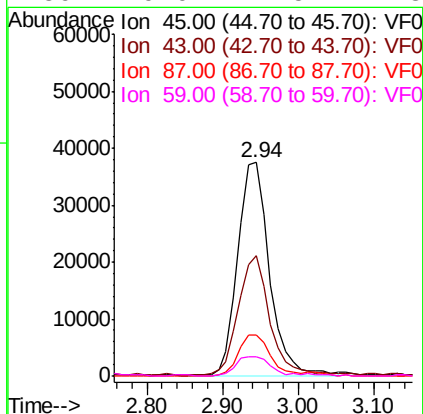
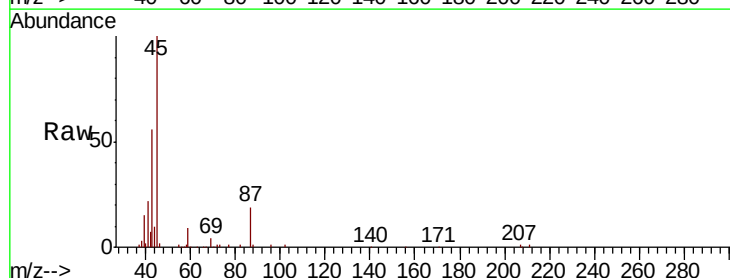
RT: 2.94 min Scan# 245

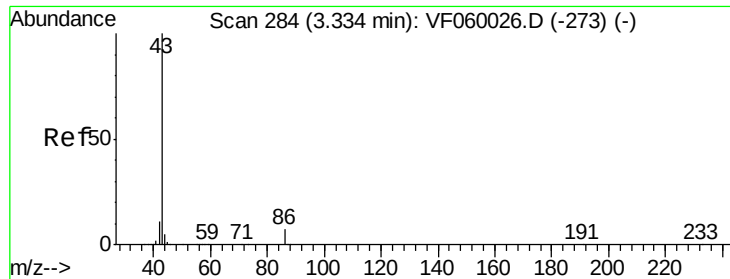
Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	45	Resp:	109750
Ion	Ratio	Lower	Upper
45	100		
43	56.2	43.4	65.2
87	19.2	15.4	23.2
59	9.0	7.5	11.3





#23

Vinyl Acetate

Concen: 113.65 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 43 Resp: 336476

Ion Ratio Lower Upper

43 100

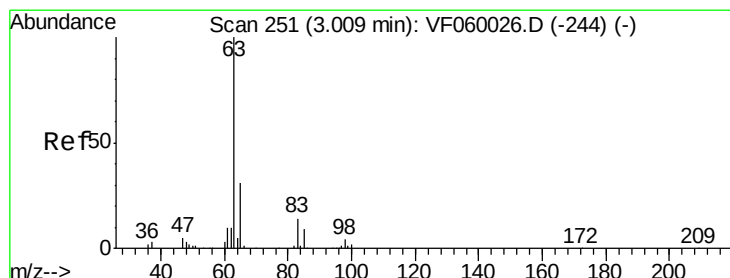
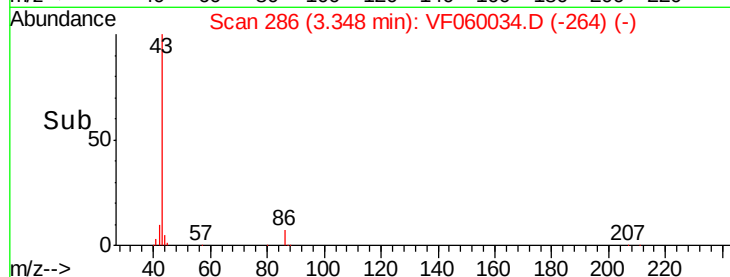
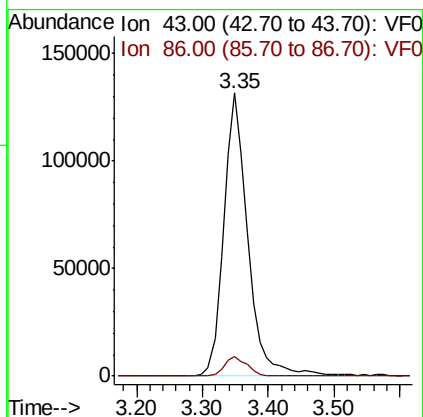
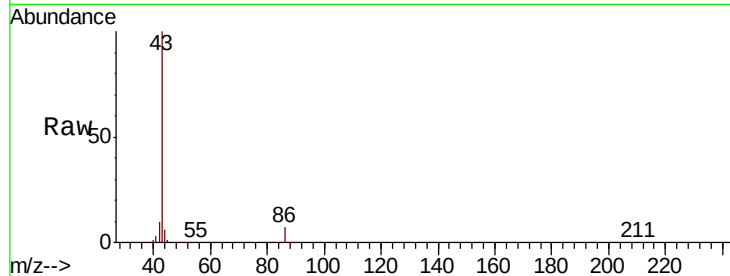
86 7.1 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 21.68 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

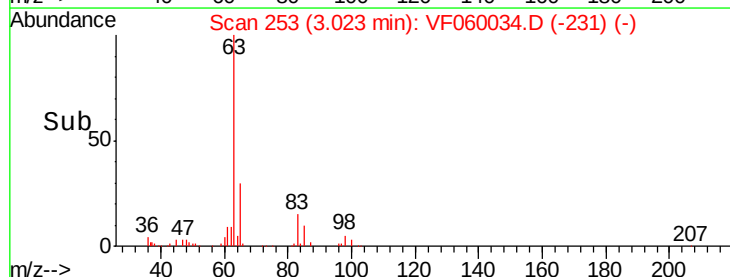
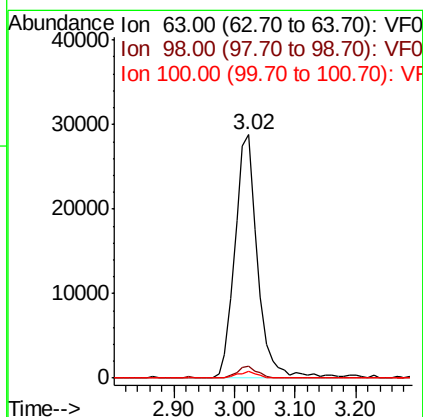
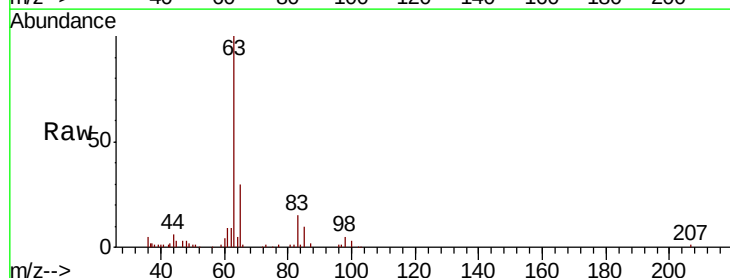
Tgt Ion: 63 Resp: 74830

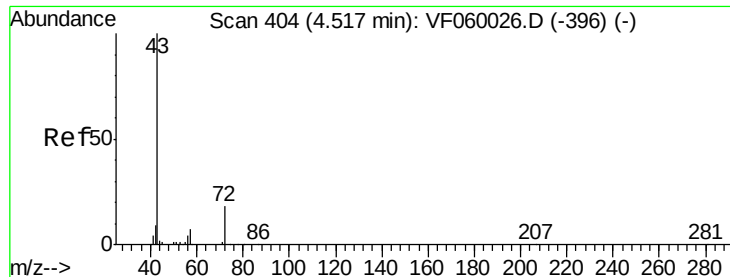
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 2.8 1.1 3.3





#25

2-Butanone

Concen: 112.49 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 43 Resp: 116180

Ion Ratio Lower Upper

43 100

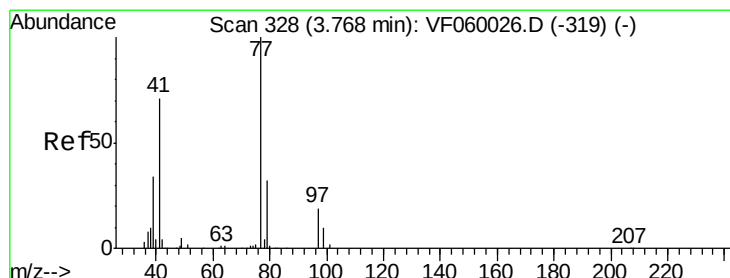
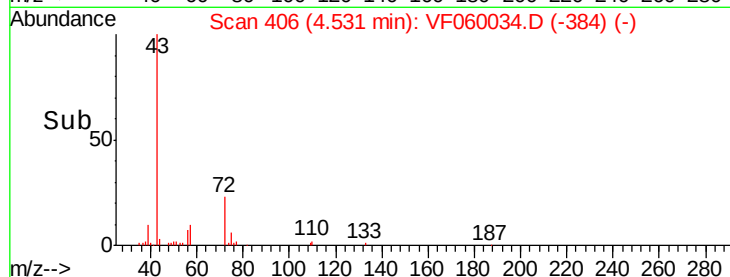
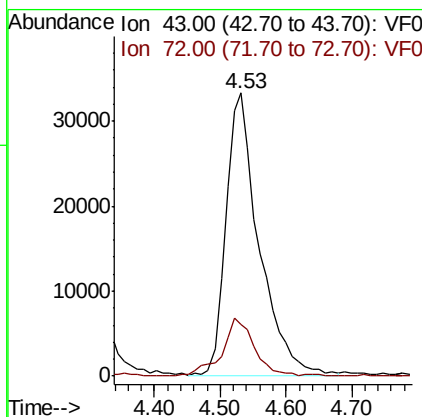
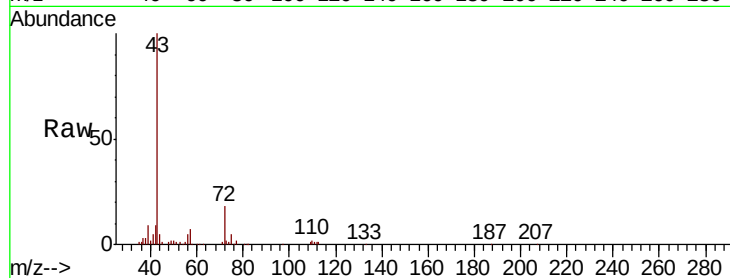
72 18.5 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.57 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF060034.D

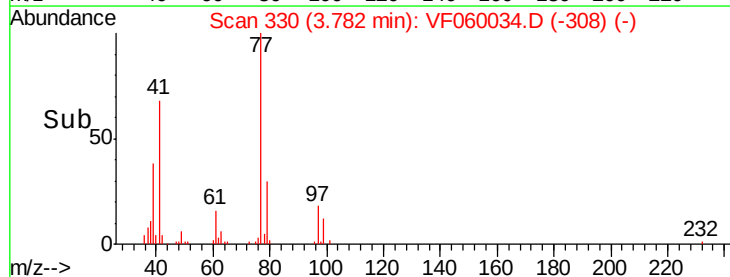
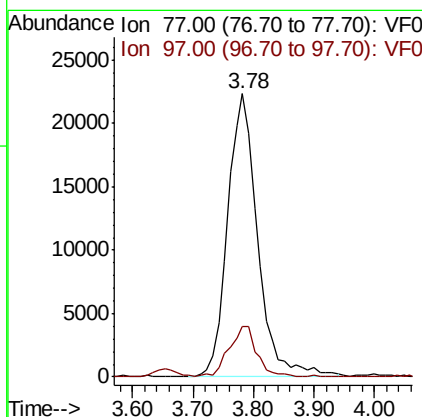
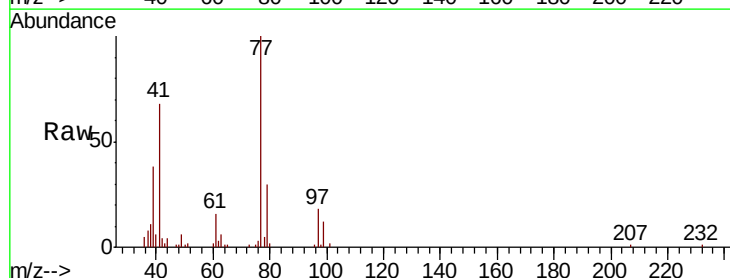
Acq: 22 Aug 2018 12:30

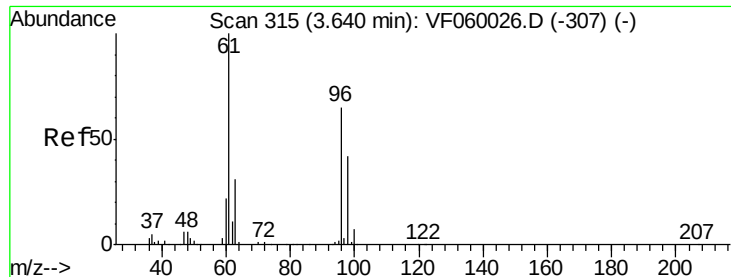
Tgt Ion: 77 Resp: 77051

Ion Ratio Lower Upper

77 100

97 17.9 9.7 29.1





#27

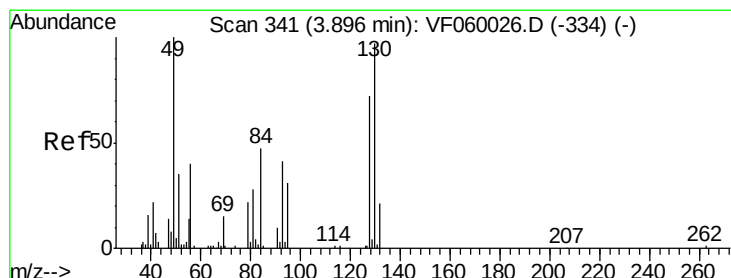
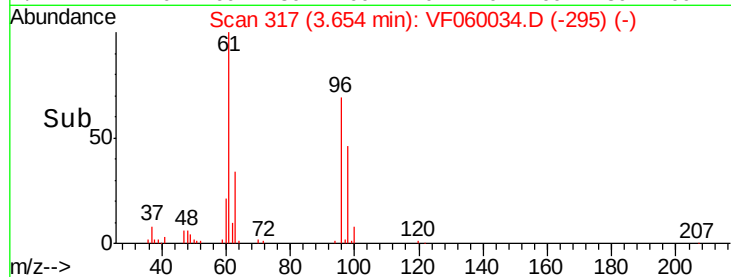
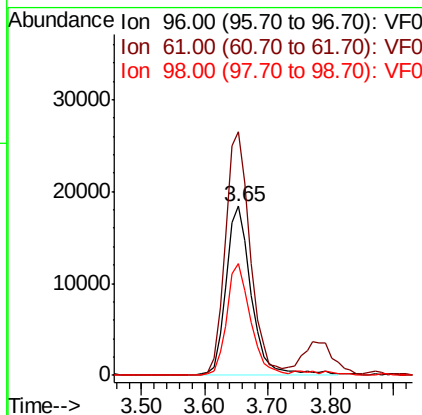
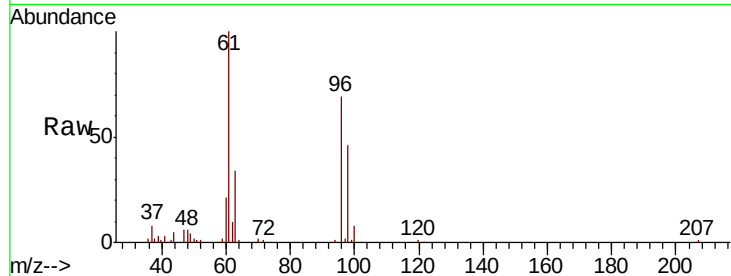
cis-1,2-Dichloroethene
Concen: 22.96 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion:	96	Resp:	51156
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	307.6
98	65.9	0.0	128.4

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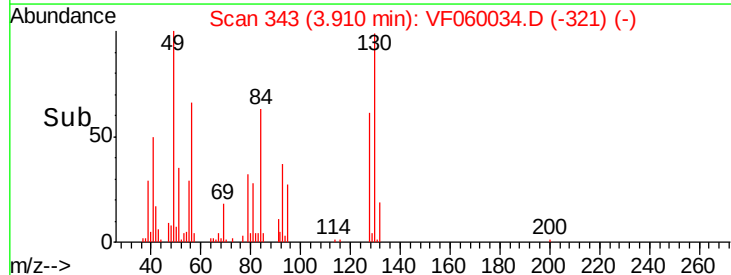
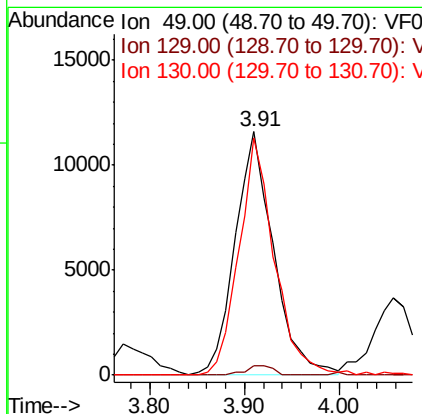
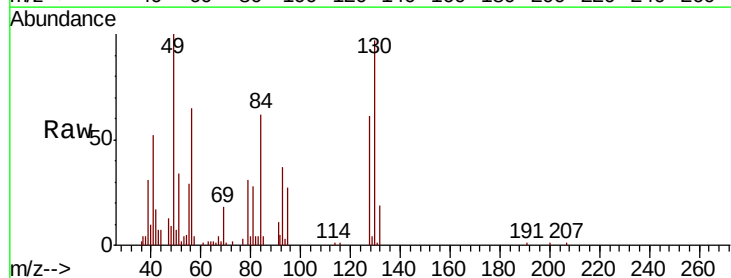
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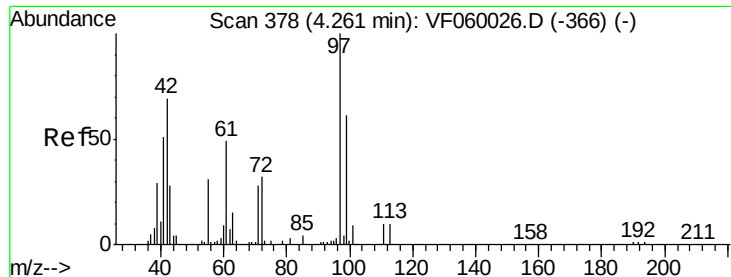


#28

Bromochloromethane
Concen: 22.44 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:	49	Resp:	32702
Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	7.4
130	97.2	78.0	117.0





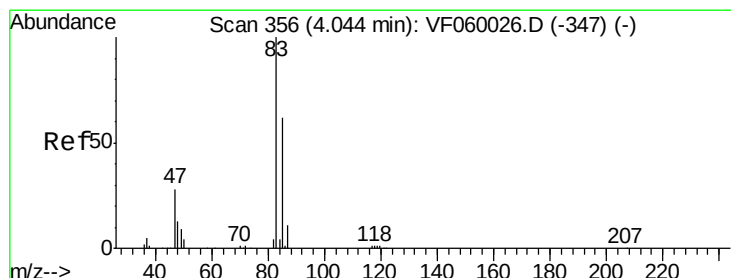
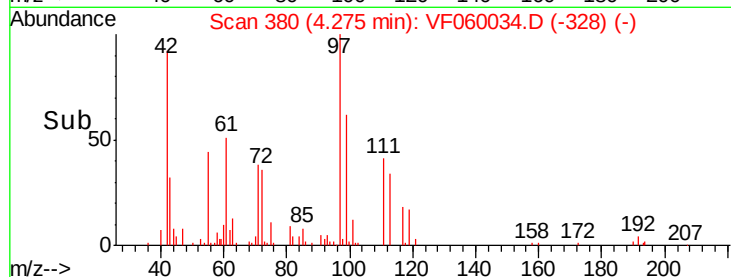
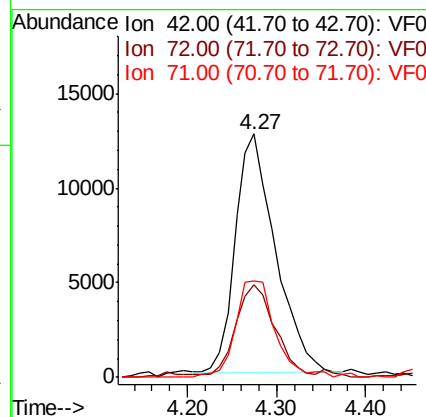
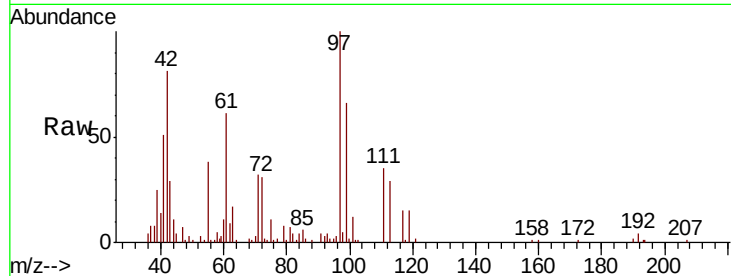
#29
Tetrahydrofuran
Concen: 101.88 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	42	Resp	39727
Ion Ratio	Lower	Upper	
42	100		
72	38.4	31.4	47.2
71	40.1	29.7	44.5

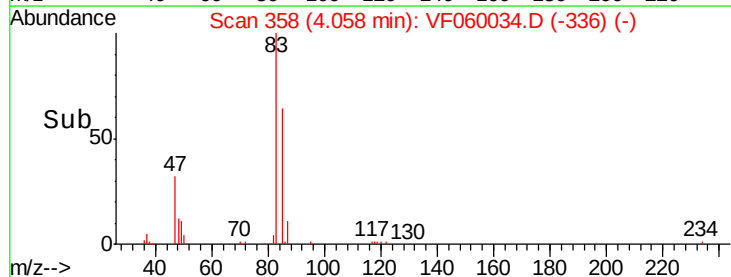
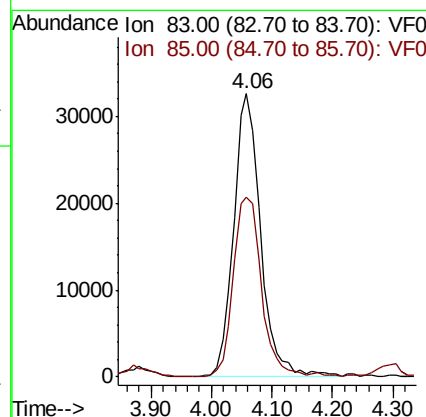
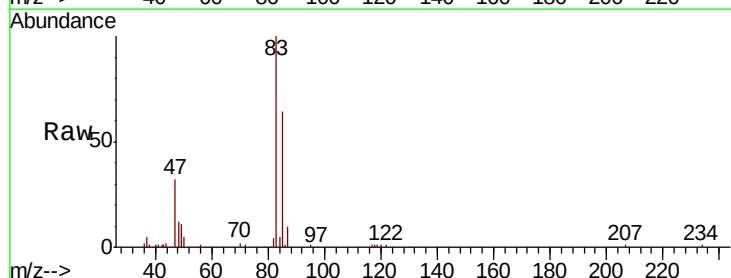
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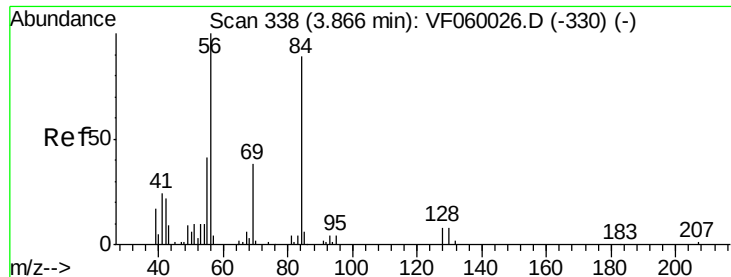
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#30
Chloroform
Concen: 20.84 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	83	Resp	100991
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.5	74.3





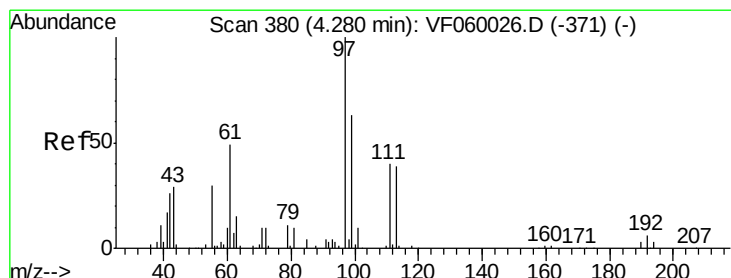
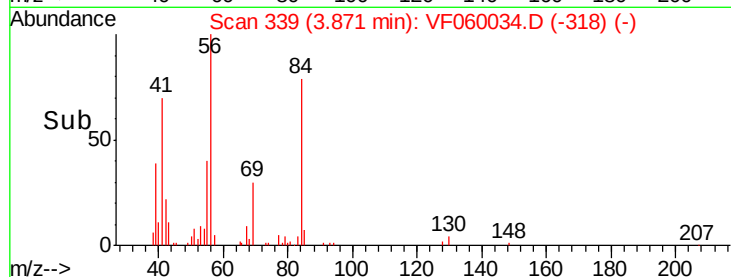
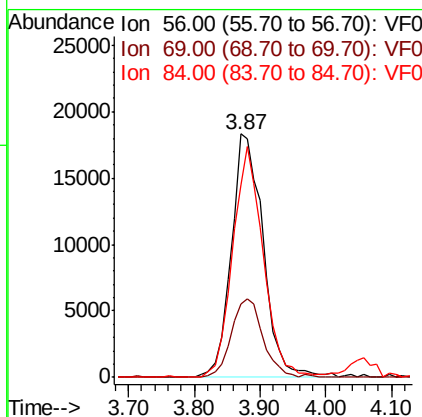
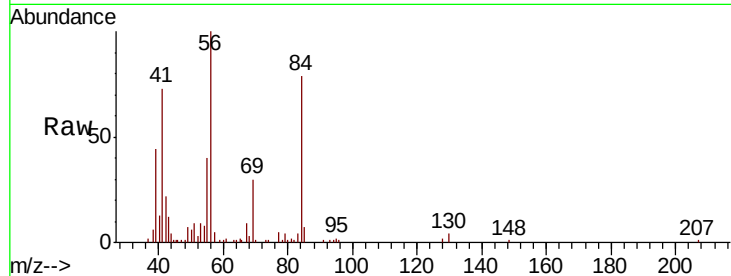
#31
Cyclohexane
Concen: 23.58 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	30.4	45.6#
84	79.2	71.4	107.2

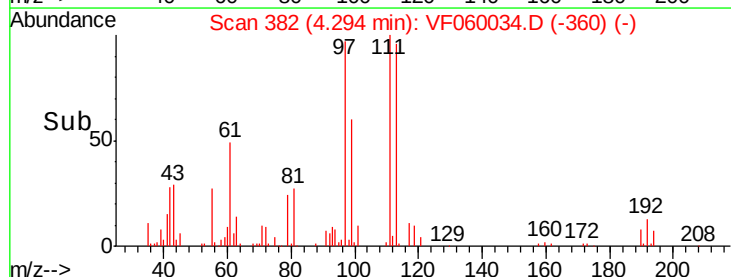
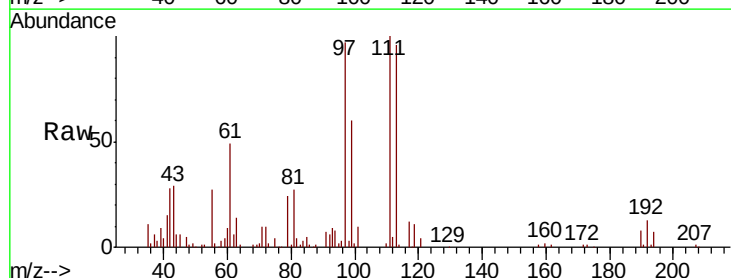
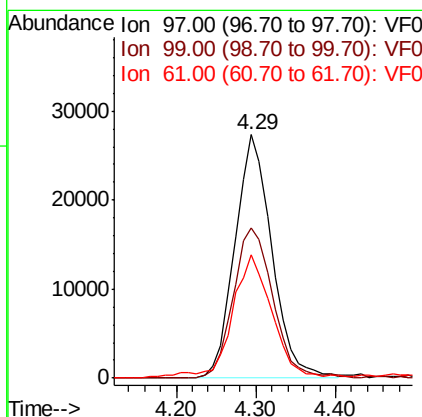
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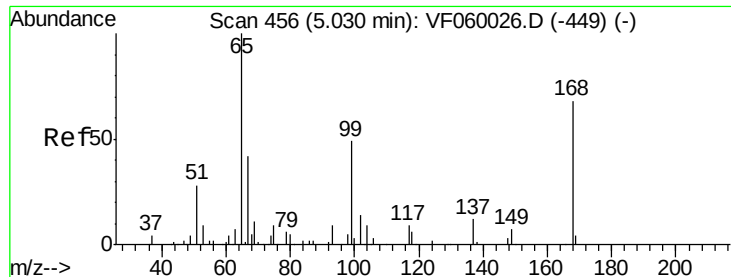
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#32
1,1,1-Trichloroethane
Concen: 21.26 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.4	50.3	75.5
61	50.6	40.3	60.5





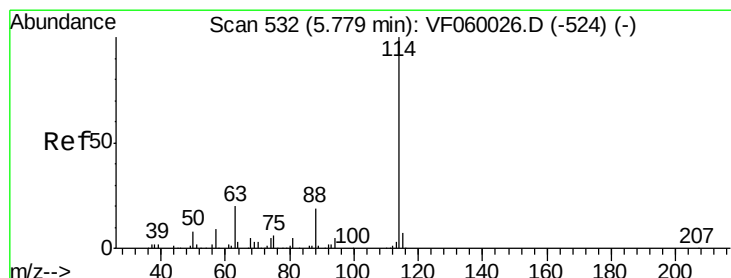
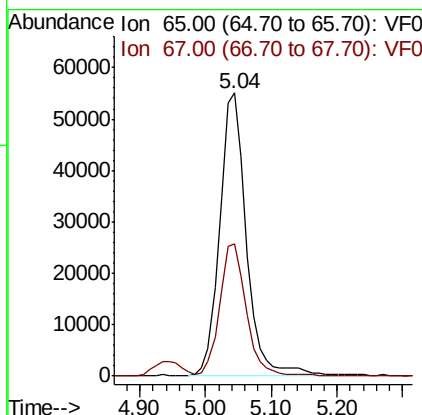
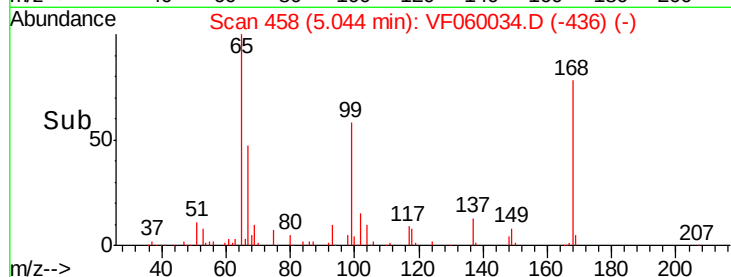
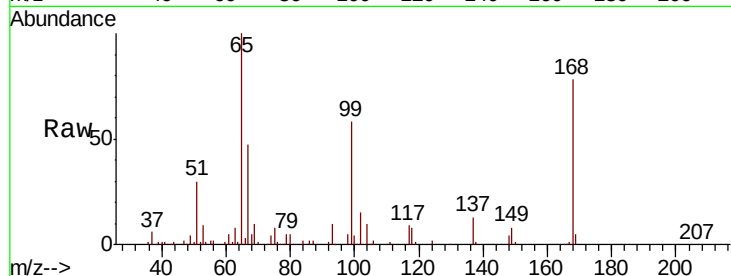
#33
 1,2-Dichloroethane-d4
 Concen: 51.14 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154733		
67	46.6	0.0	92.0	

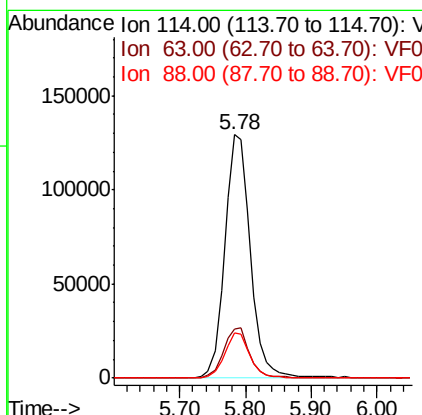
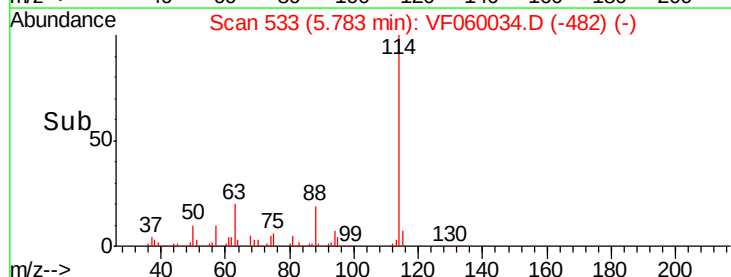
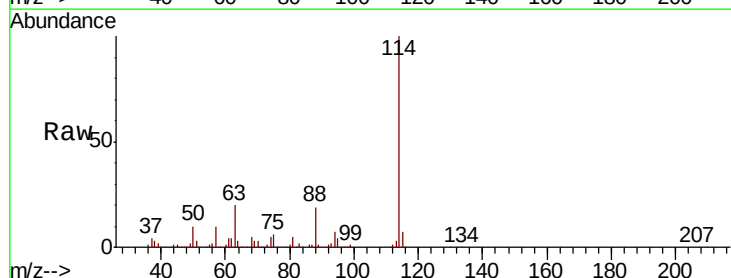
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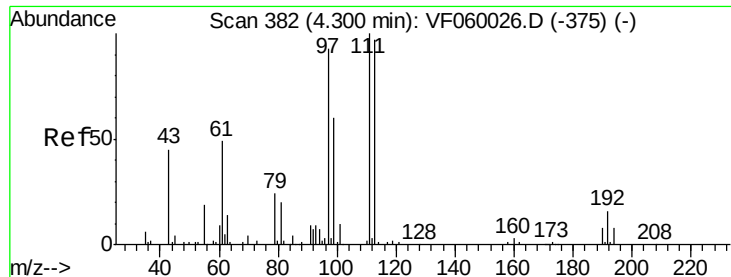
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351783		
63	20.3	0.0	40.4	
88	18.8	0.0	38.6	





#35

Dibromofluoromethane

Concen: 50.54 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

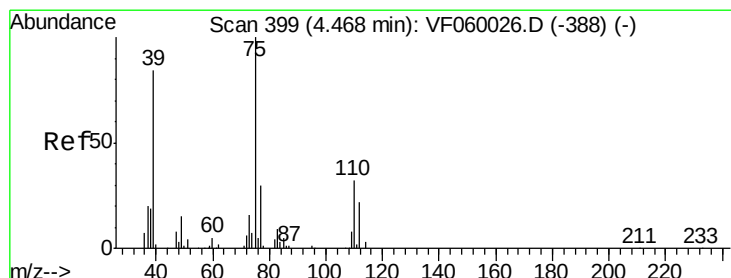
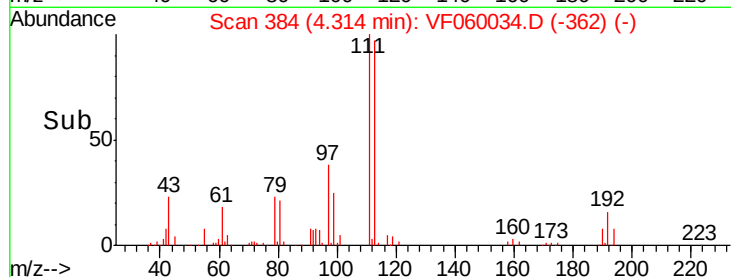
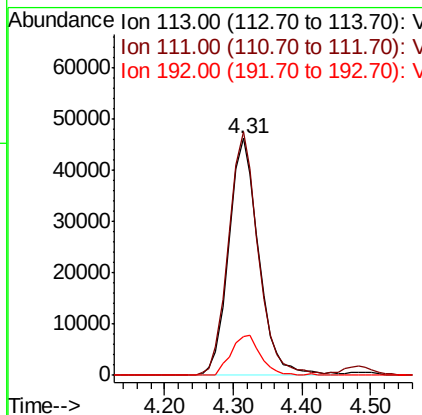
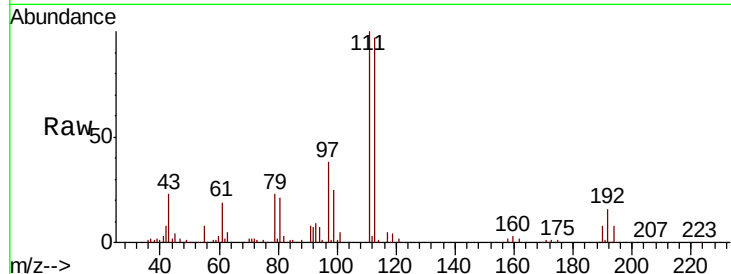
ClientSampleId :

VF0822SBS01

Tot Ion:	113	Resp:	139622
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.7	124.1
192	16.5	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.98 ug/l

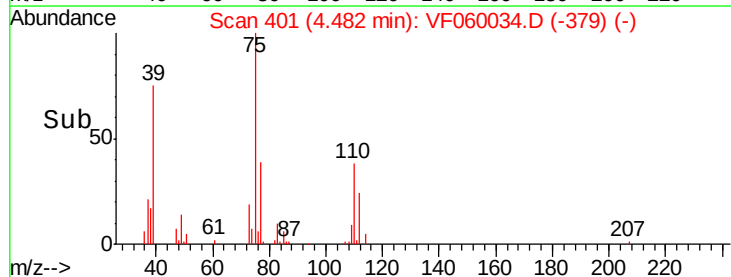
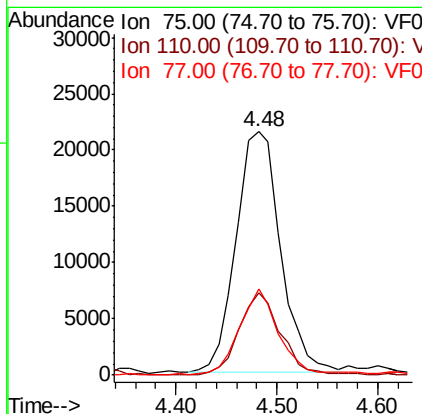
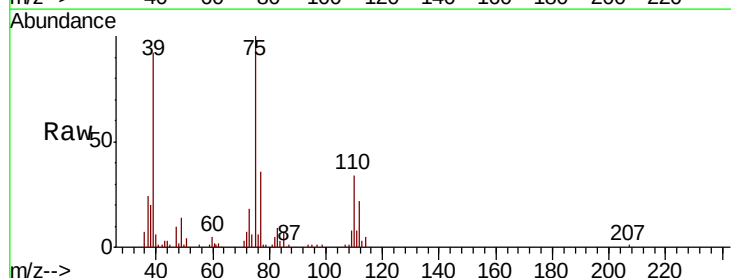
RT: 4.48 min Scan# 401

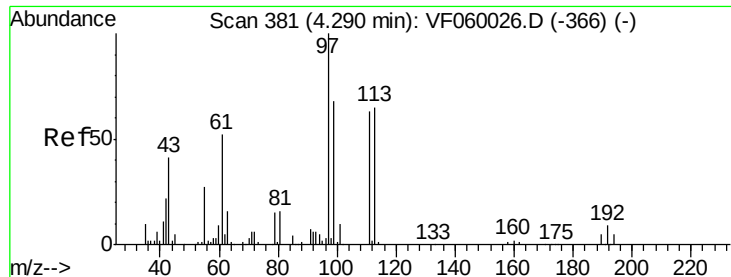
Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	75	Resp:	66035
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.0	47.9
77	35.5	24.1	36.1





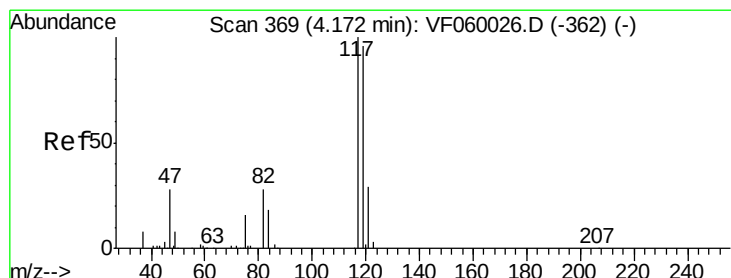
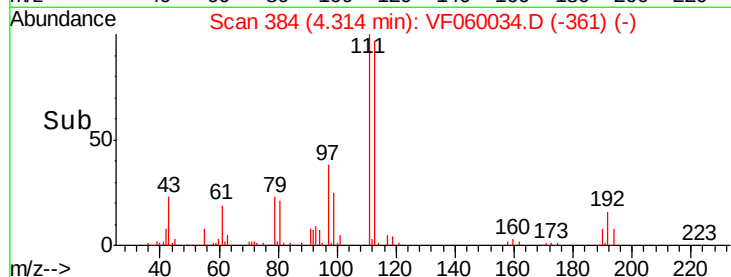
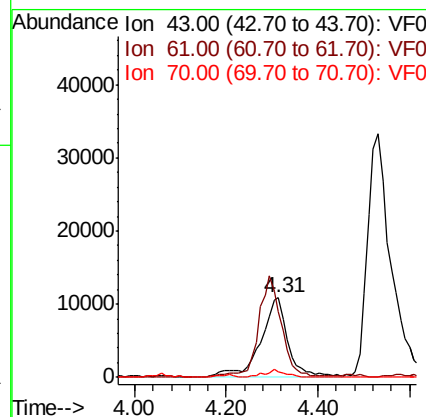
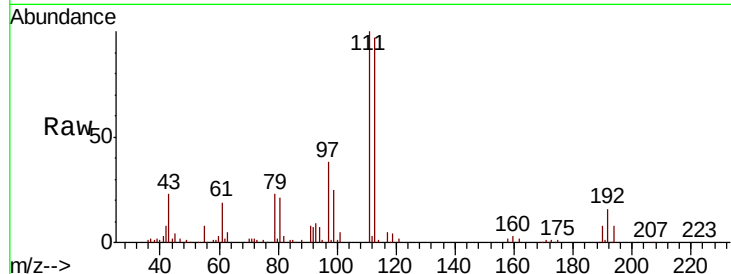
#37
Ethyl Acetate
Concen: 23.07 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	82.6	101.5	152.3#
70	7.2	6.4	9.6

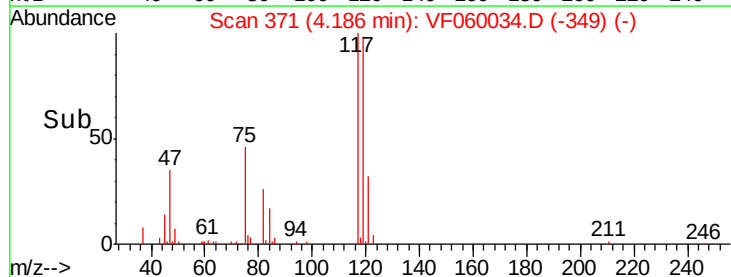
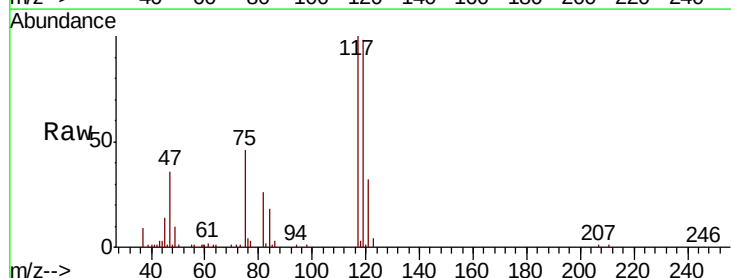
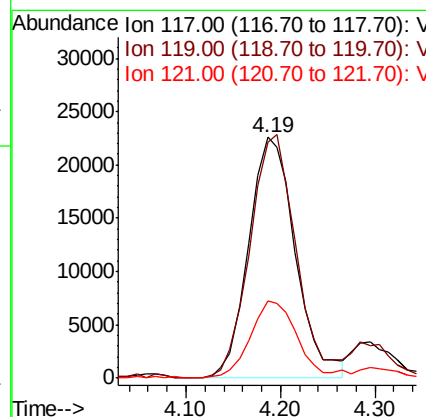
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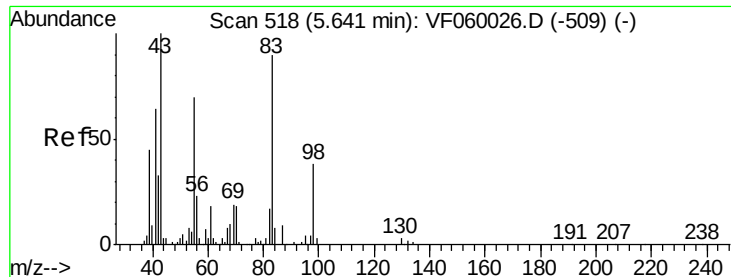
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#38
Carbon Tetrachloride
Concen: 20.32 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.5	114.7
121	31.9	23.0	34.6





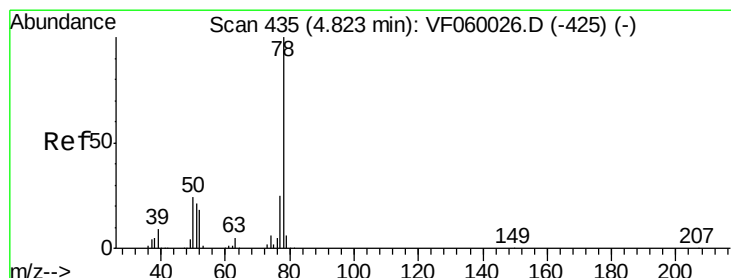
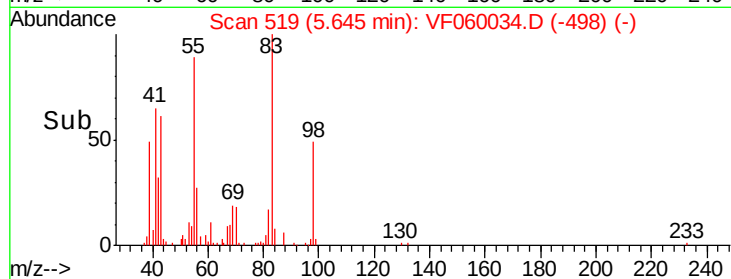
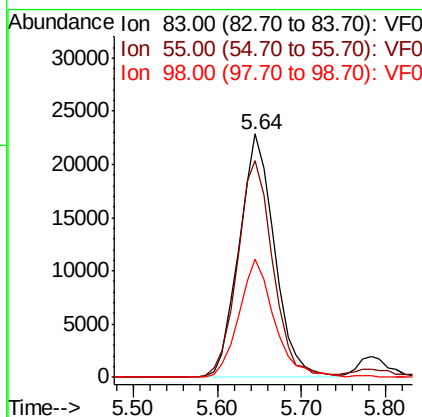
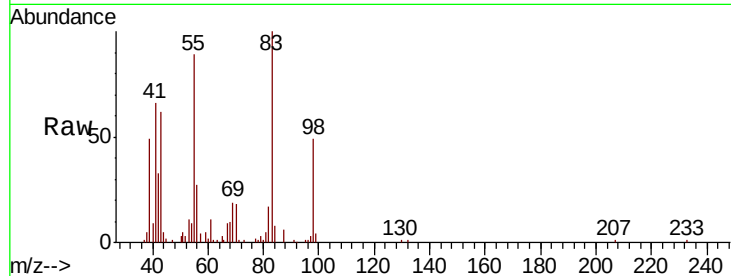
#39
Methylvlcyclohexane
Concen: 21.79 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	62.7	94.1
98	48.8	33.8	50.8

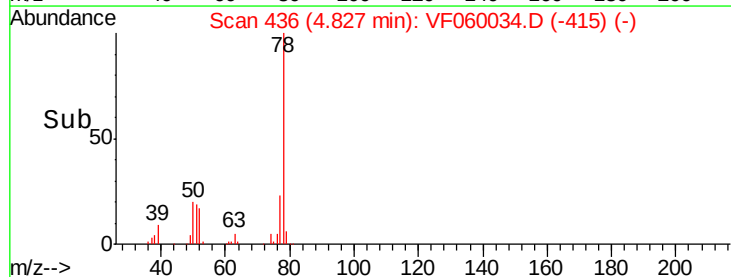
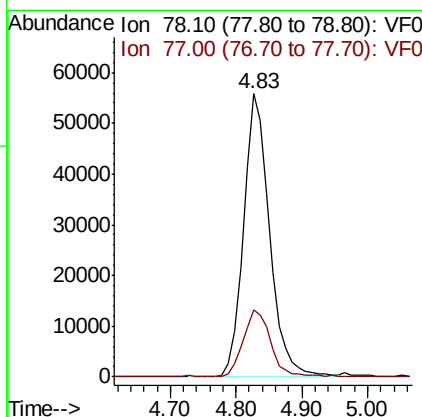
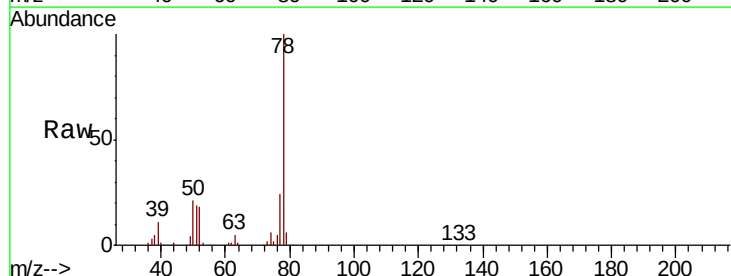
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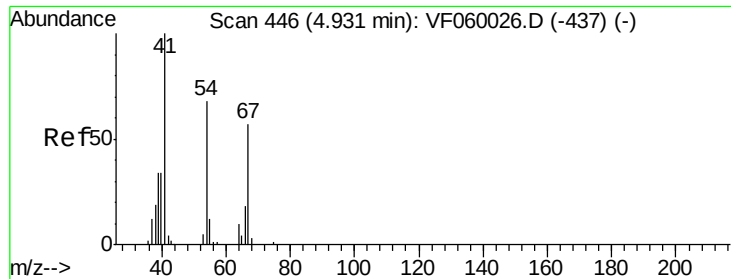
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#40
Benzene
Concen: 21.49 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





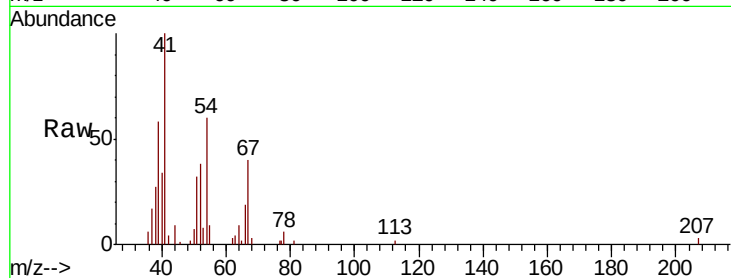
#41
Methacrylonitrile
Concen: 20.19 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

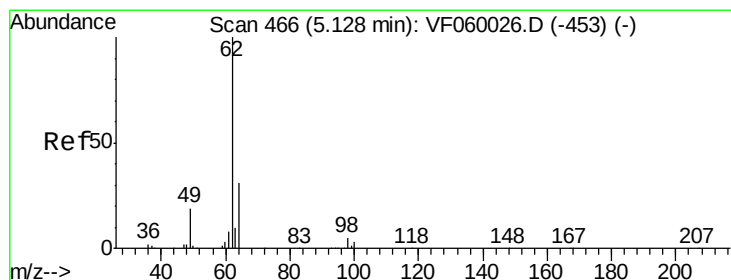
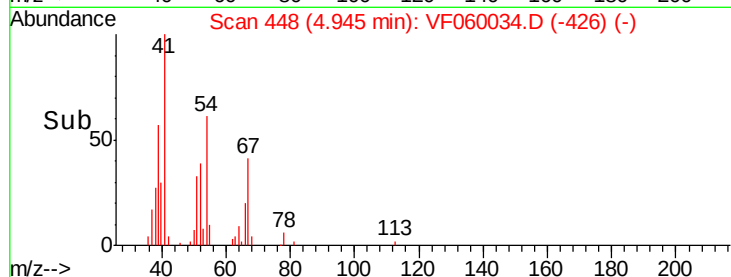
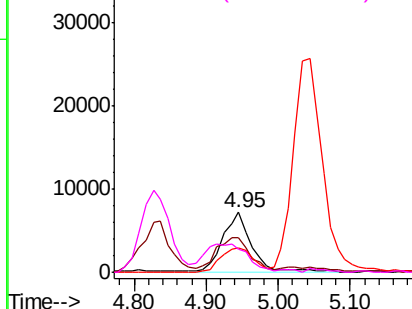
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.0	52.9	79.3
67	39.7	45.3	67.9#
52	38.0	34.8	52.2

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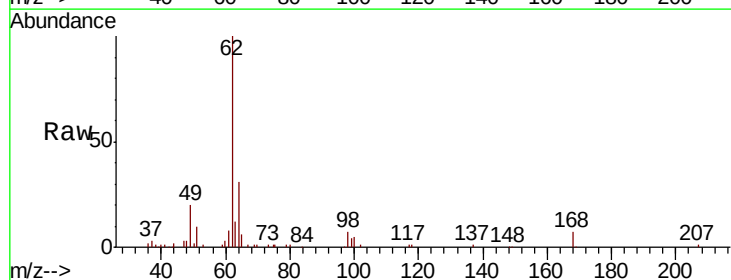


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

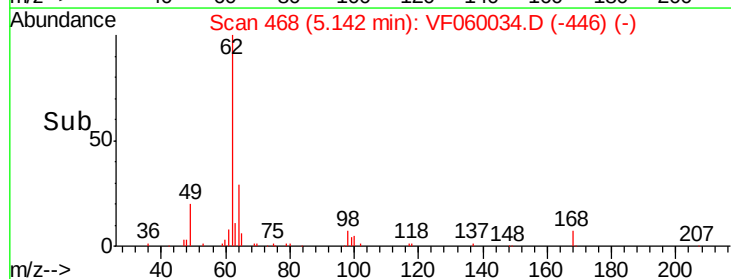
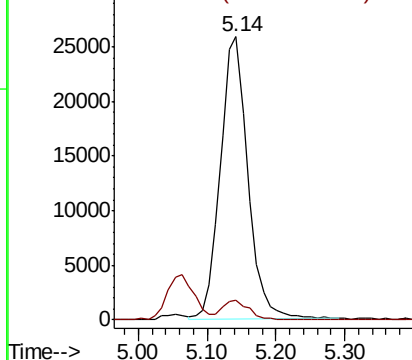


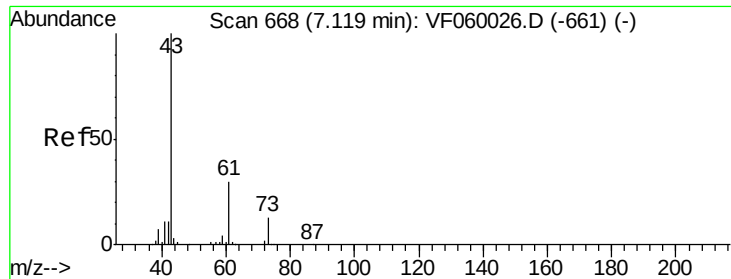
#42
1,2-Dichloroethane
Concen: 18.60 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

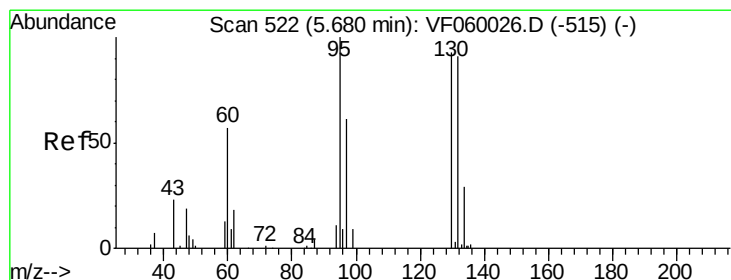
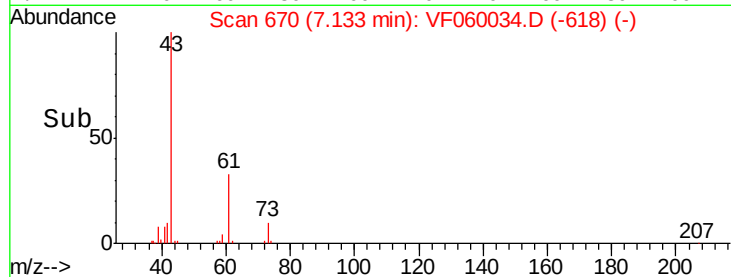
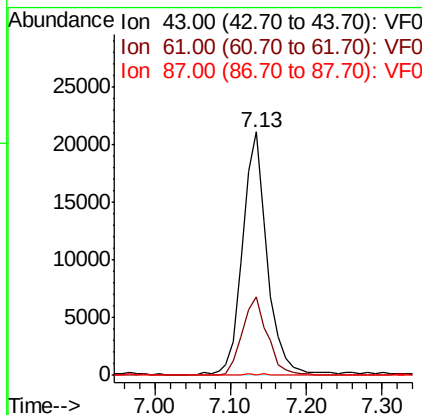
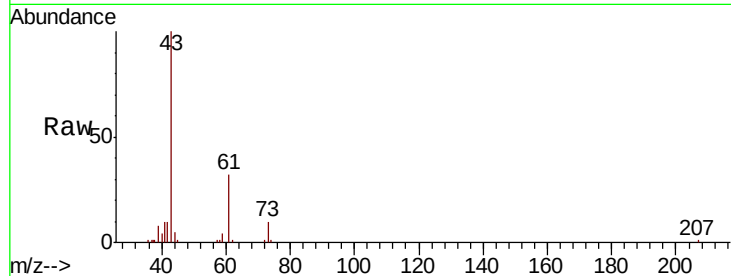
Isopropyl Acetate
 Concen: 19.16 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	43	Resp	47682
Ion Ratio	100	Lower	Upper
43	100		
61	32.3	23.8	35.6
87	0.0	0.2	0.4

Manual Integrations
 APPROVED

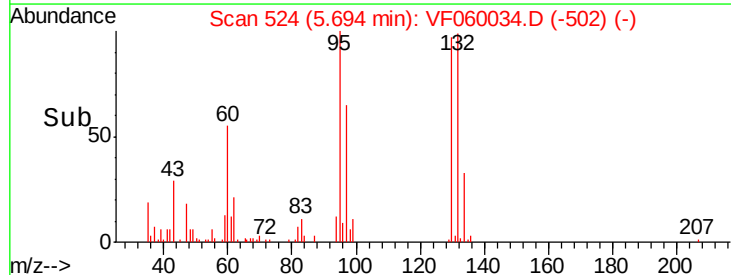
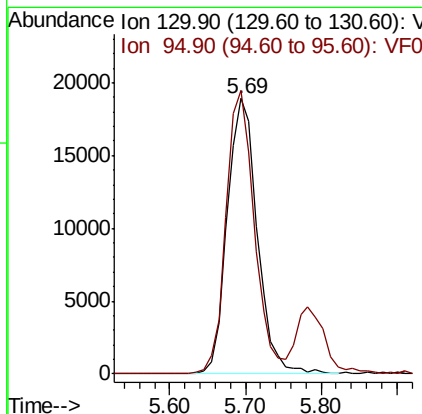
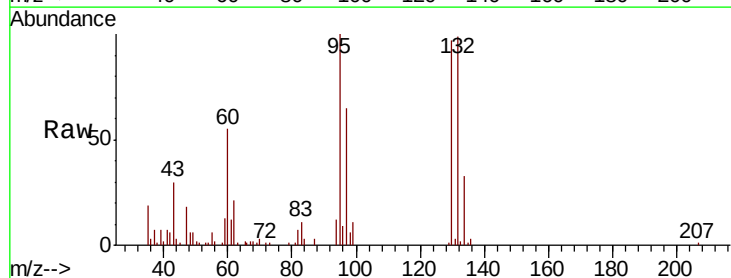
apatel
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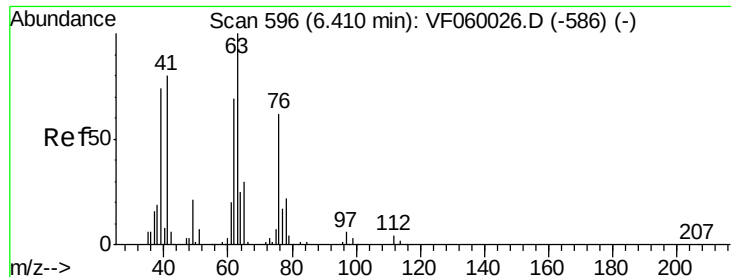


#44

Trichloroethene
 Concen: 21.66 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	130	Resp	51715
Ion Ratio	100	Lower	Upper
130	100		
95	102.8	0.0	215.8





#45

1,2-Dichloropropane

Concen: 22.03 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 63 Resp: 44995

Ion Ratio Lower Upper

63 100

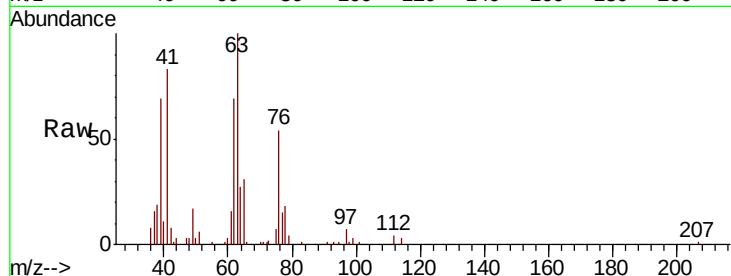
65 30.7 23.8 35.6

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

15000

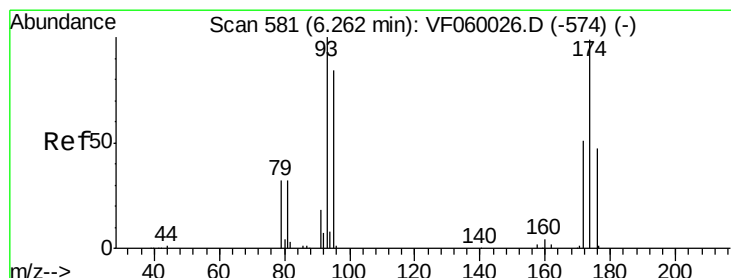
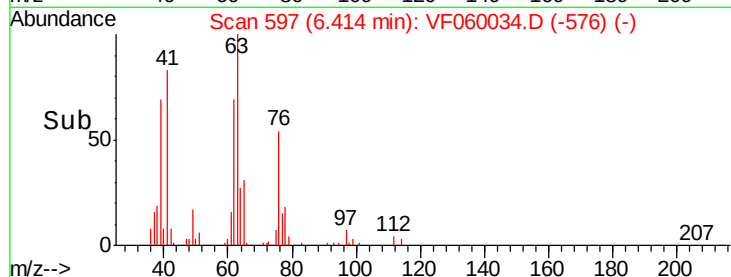
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 21.65 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

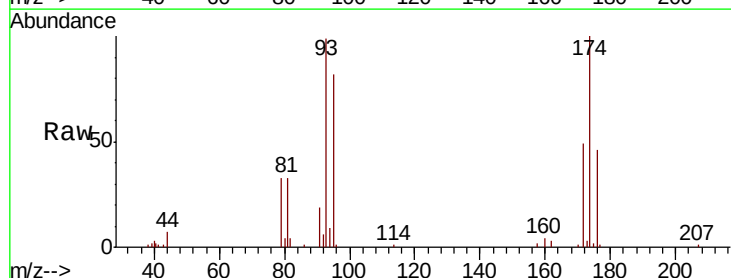
Tgt Ion: 93 Resp: 34613

Ion Ratio Lower Upper

93 100

95 83.5 67.1 100.7

174 101.5 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

15000

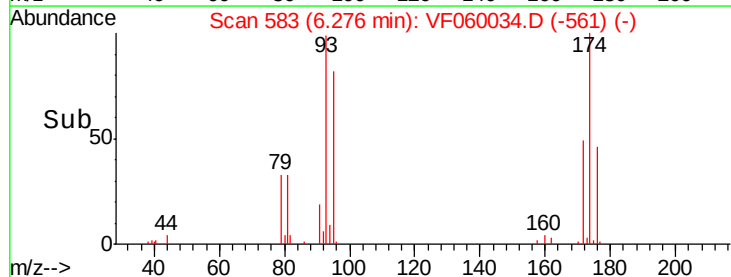
10000

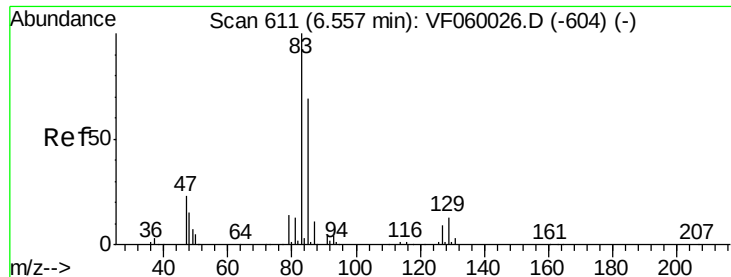
5000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 20.52 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

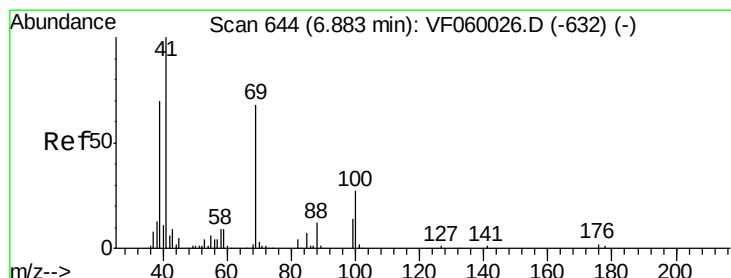
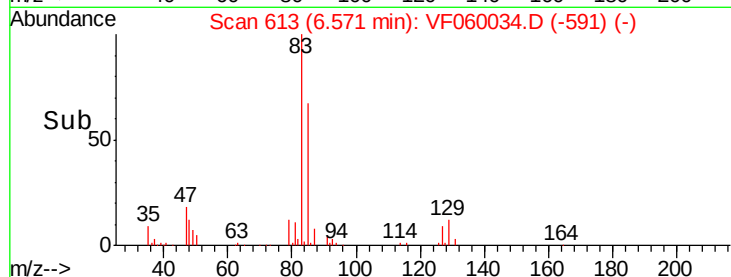
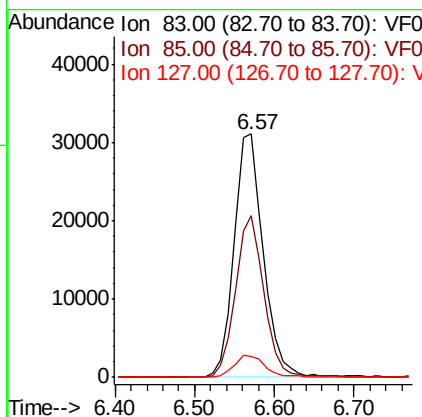
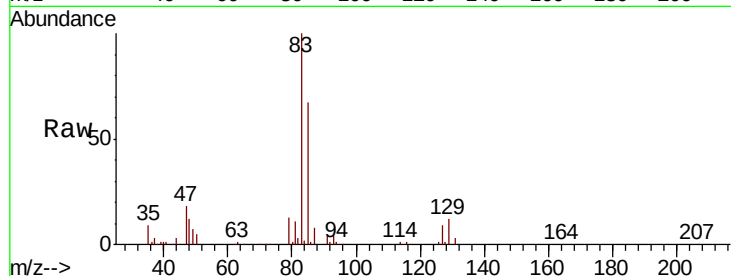
ClientSampleId :

VF0822SBS01

Tot Ion:	83	Resp:	79218
Ion	Ratio	Lower	Upper
83	100		
85	66.6	55.2	82.8
127	9.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.89 ug/l

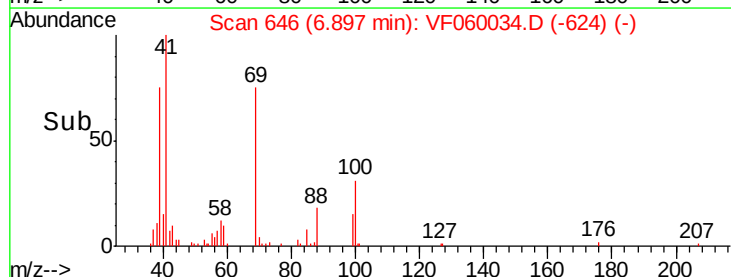
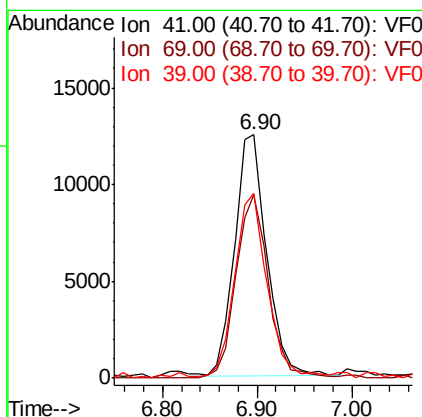
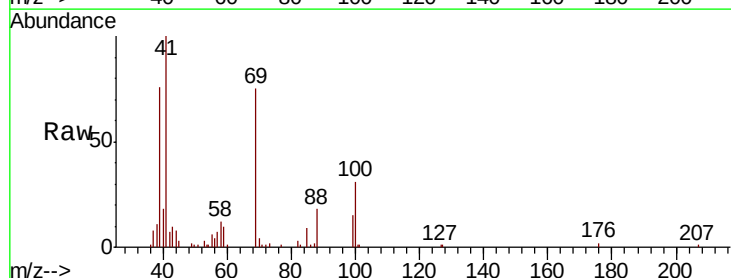
RT: 6.90 min Scan# 646

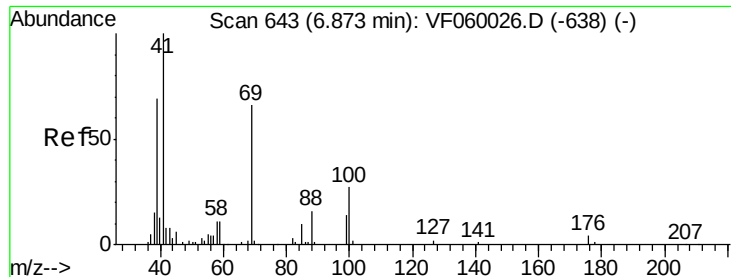
Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	41	Resp:	29456
Ion	Ratio	Lower	Upper
41	100		
69	75.2	54.6	81.8
39	75.8	56.5	84.7





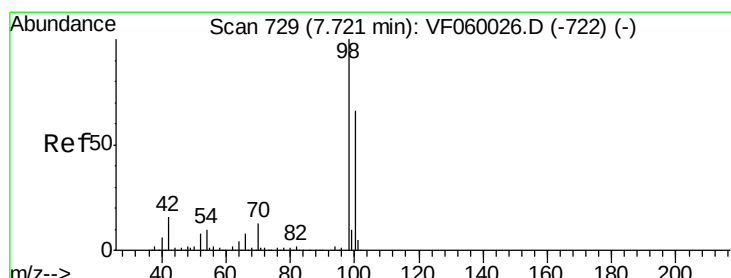
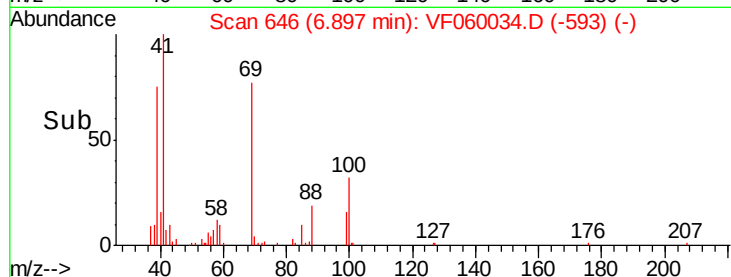
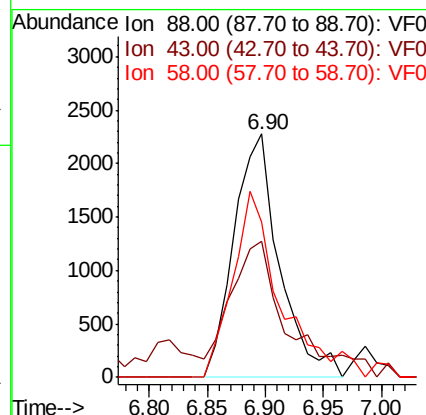
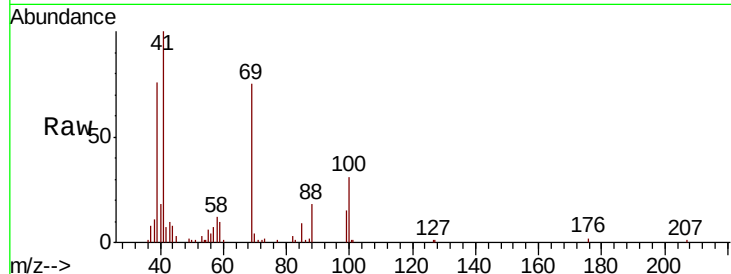
#49
1,4-Dioxane
Concen: 390.39 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.7	46.5	69.7
58	63.6	54.8	82.2

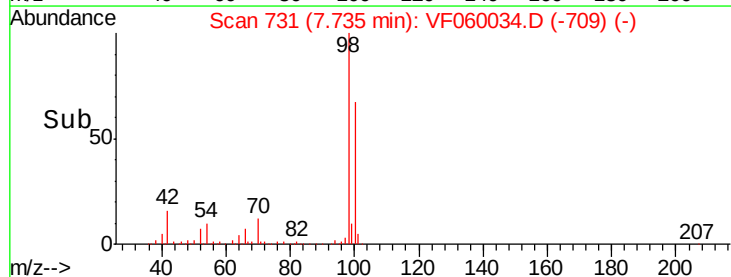
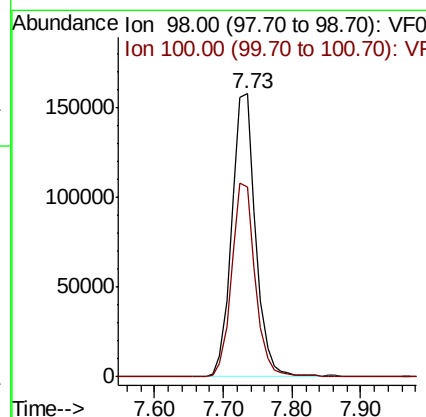
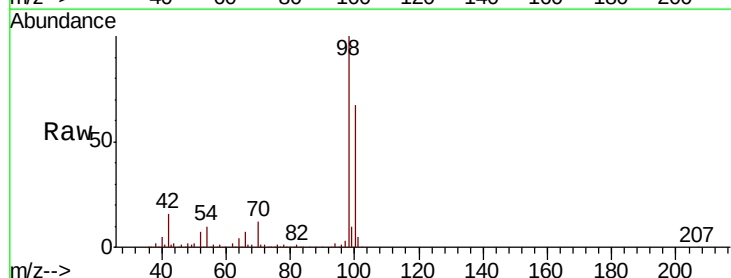
Manual Integrations
APPROVED

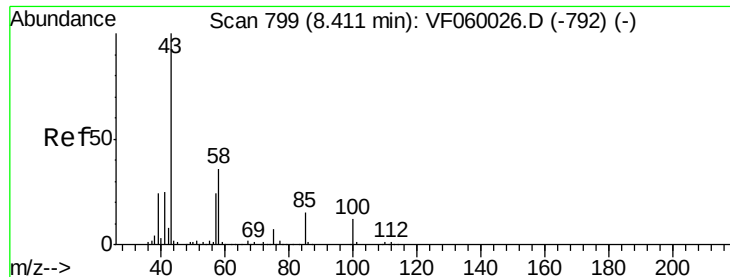
apatel
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#50
Toluene-d8
Concen: 48.19 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 104.17 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 43 Resp: 223844

Ion Ratio Lower Upper

43 100

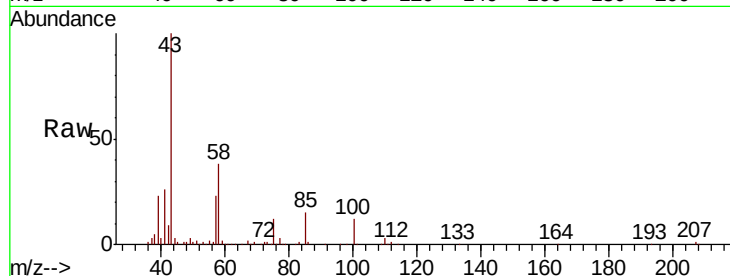
58 37.7 28.6 42.8

Manual Integrations

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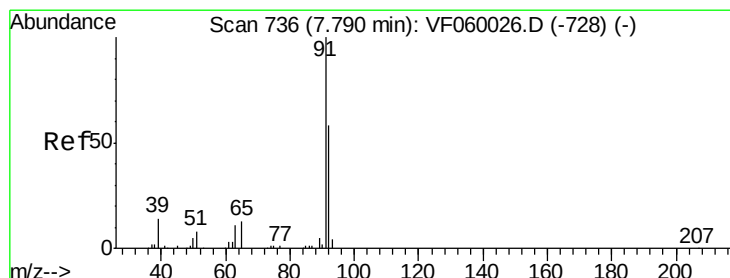
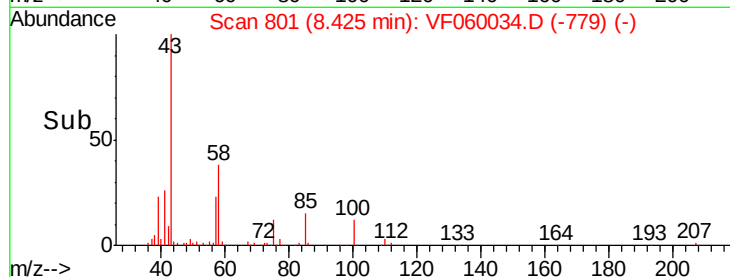
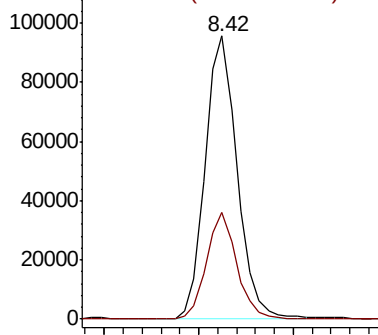
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.36 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060034.D

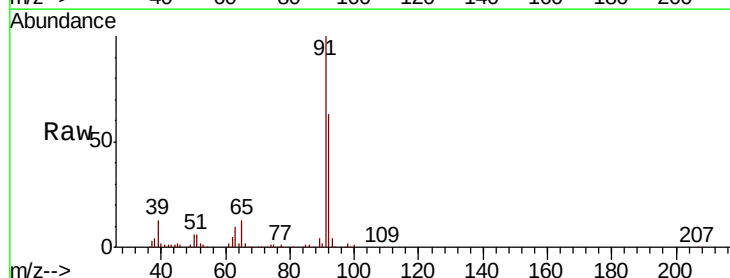
Acq: 22 Aug 2018 12:30

Tgt Ion: 92 Resp: 112282

Ion Ratio Lower Upper

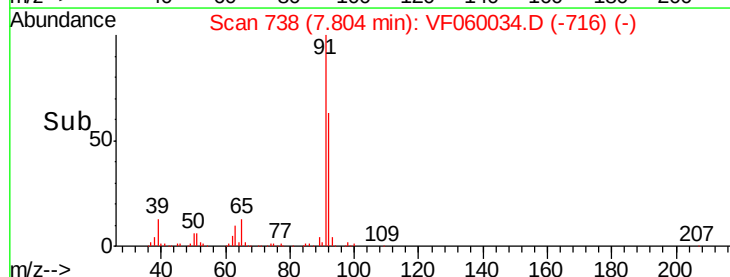
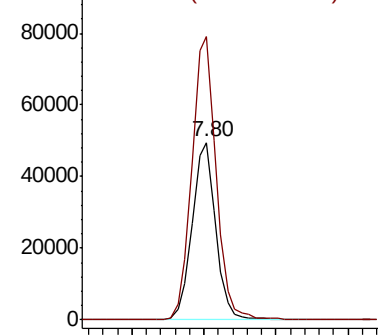
92 100

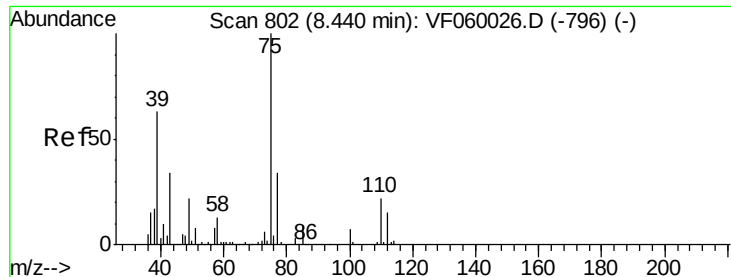
91 159.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.80 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 75 Resp: 72829

Ion Ratio Lower Upper

75 100

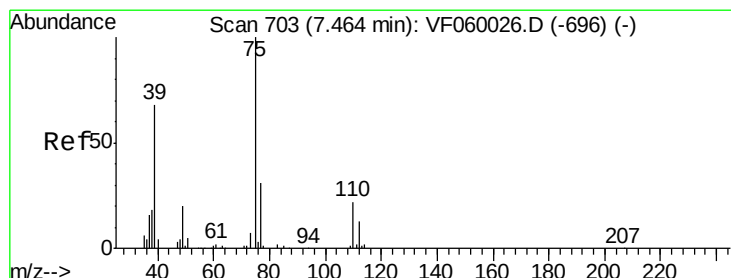
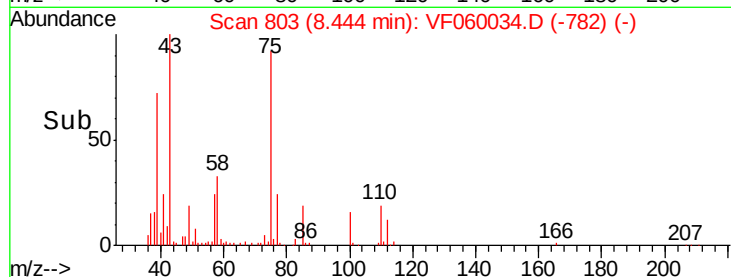
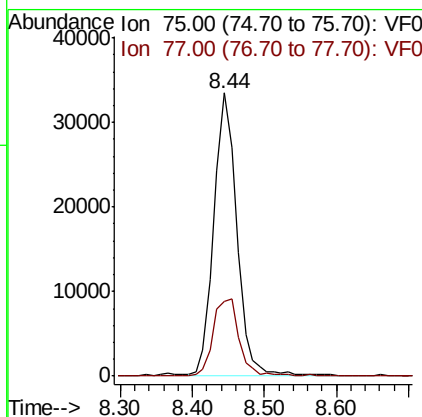
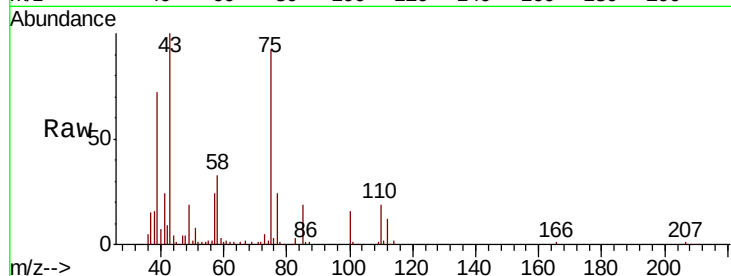
77 26.6 27.4 41.2#

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.07 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

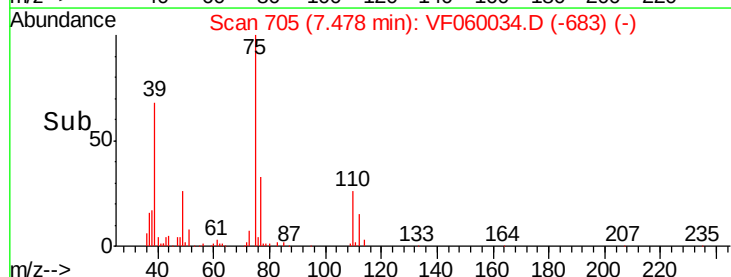
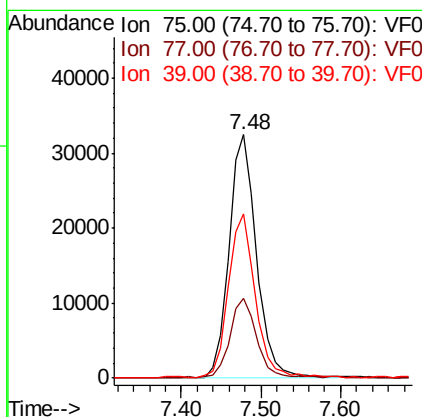
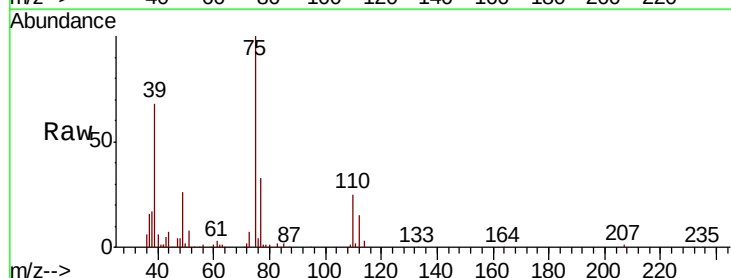
Tgt Ion: 75 Resp: 78430

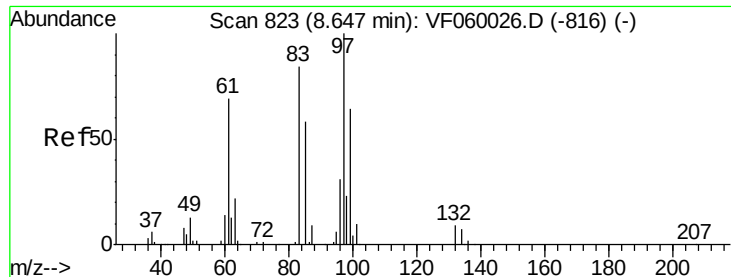
Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0

39 67.7 54.6 81.8





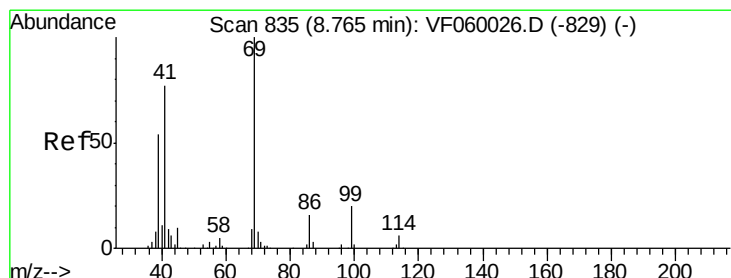
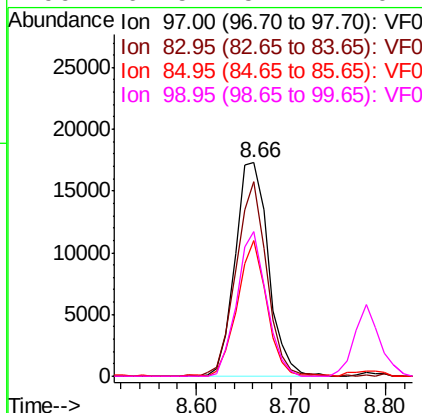
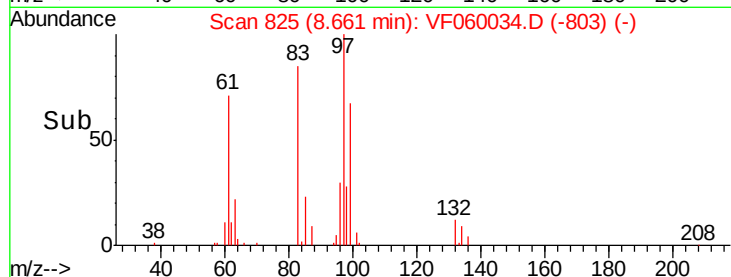
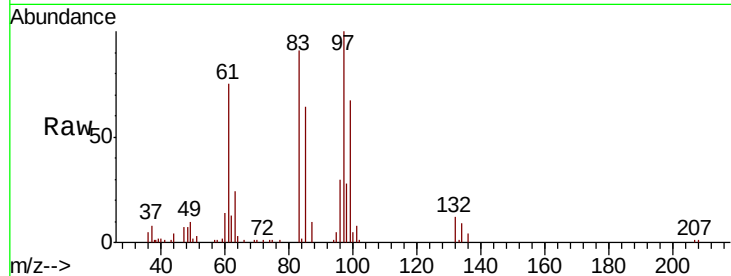
#55
 1,1,2-Trichloroethane
 Concen: 21.69 ug/l
 RT: 8.66 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion:	97	Resp:	42262
Ion	Ratio	Lower	Upper
97	100		
83	91.0	67.4	101.2
85	63.7	46.2	69.2
99	67.5	51.1	76.7

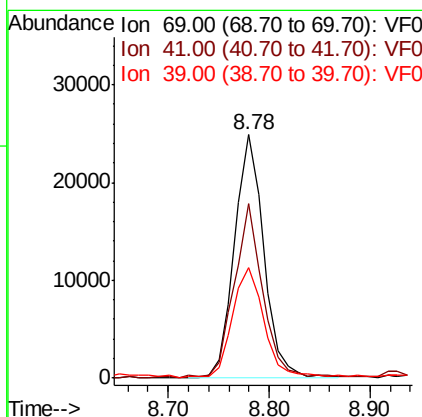
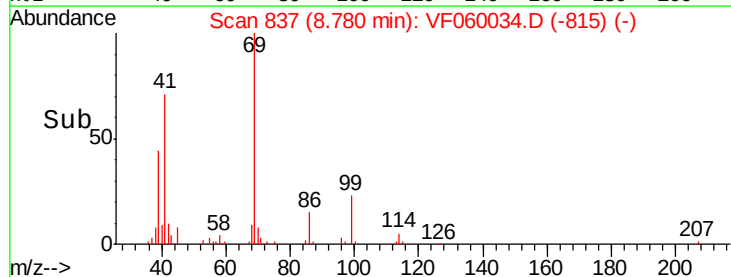
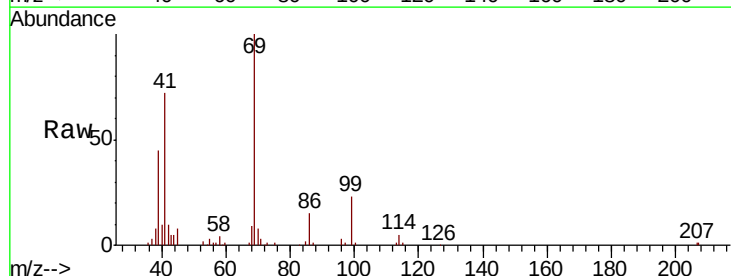
Manual Integrations
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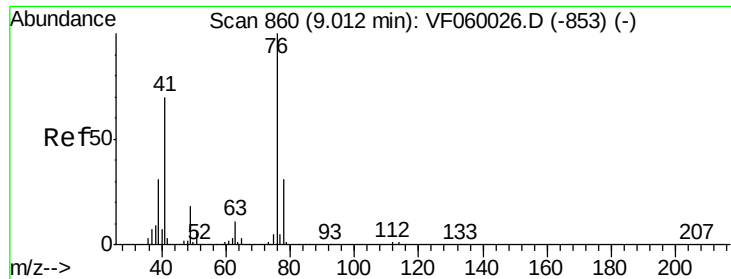
apatel
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#56
 Ethyl methacrylate
 Concen: 21.36 ug/l
 RT: 8.78 min Scan# 837
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion:	69	Resp:	50384
Ion	Ratio	Lower	Upper
69	100		
41	71.7	61.6	92.4
39	45.3	43.9	65.9





#57

1,3-Dichloropropane

Concen: 20.69 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 76 Resp: 70855

Ion Ratio Lower Upper

76 100

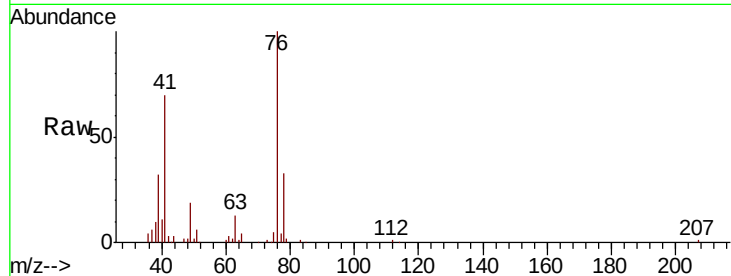
78 33.1 25.2 37.8

Manual Integrations

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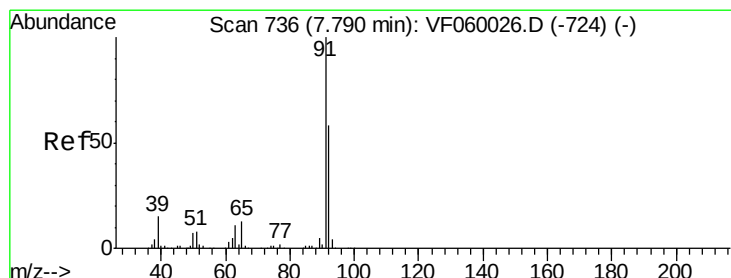
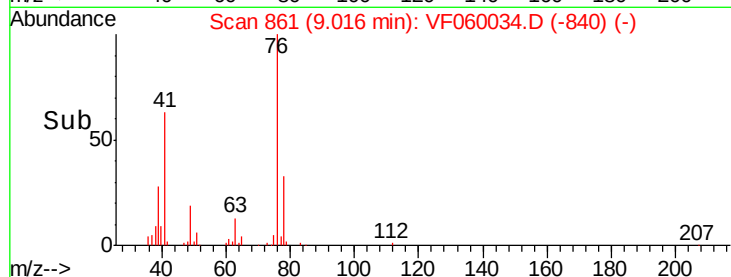
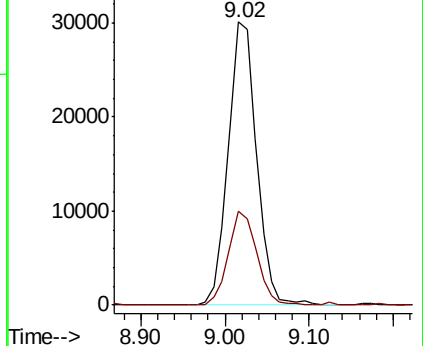
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 98.93 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060034.D

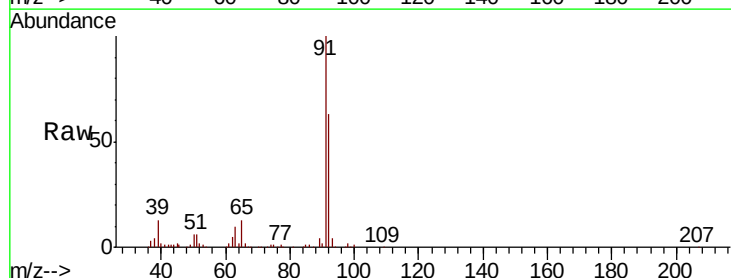
Acq: 22 Aug 2018 12:30

Tgt Ion: 63 Resp: 18522

Ion Ratio Lower Upper

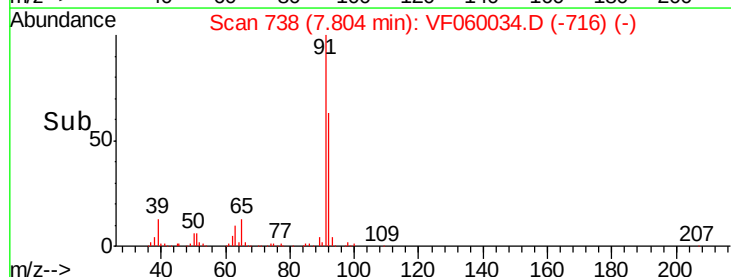
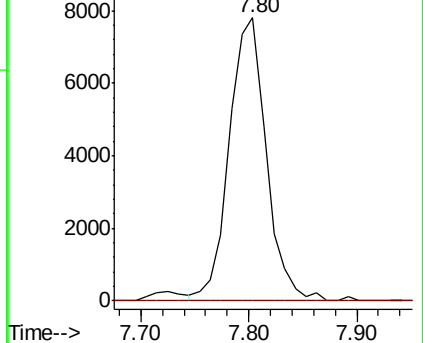
63 100

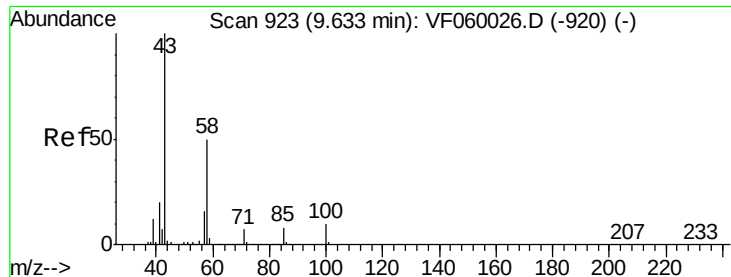
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





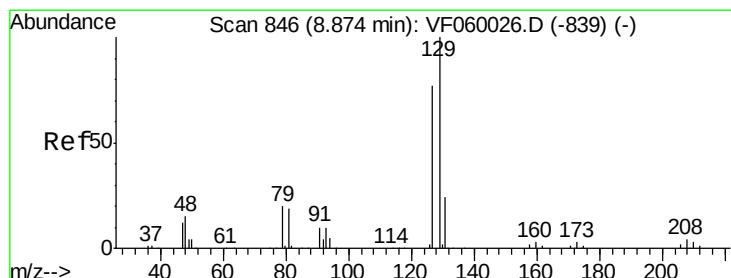
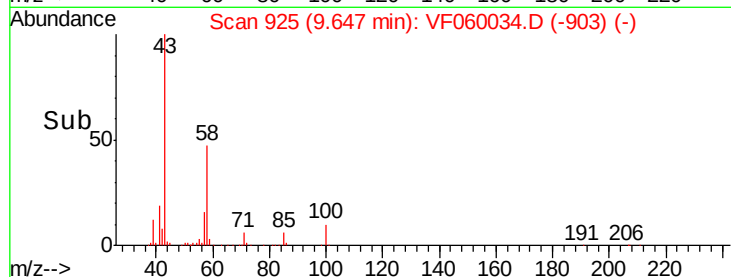
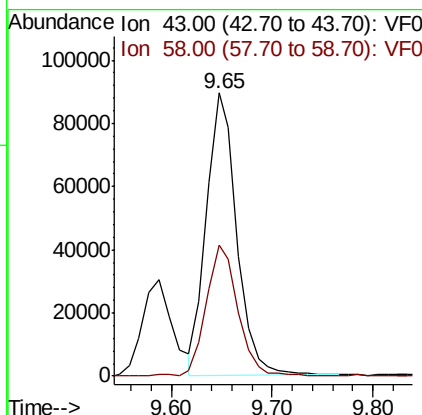
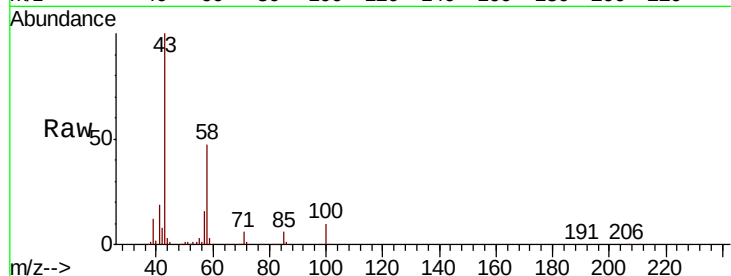
#59
2-Hexanone
Concen: 107.98 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion: 43 Resp: 187791
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.2

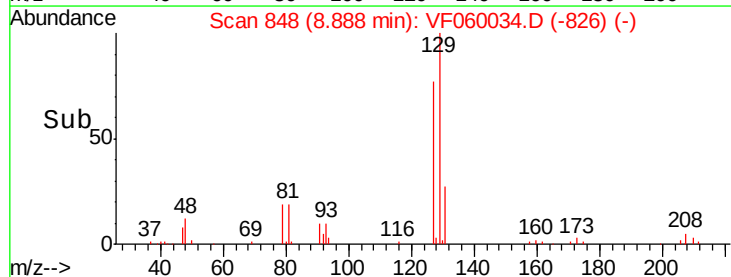
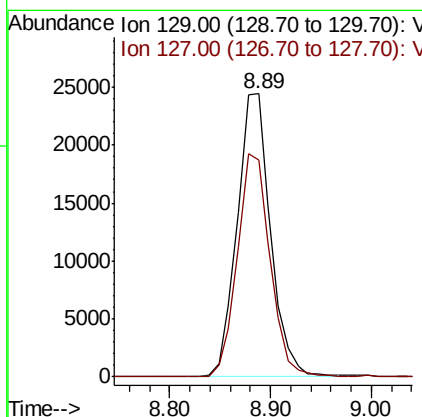
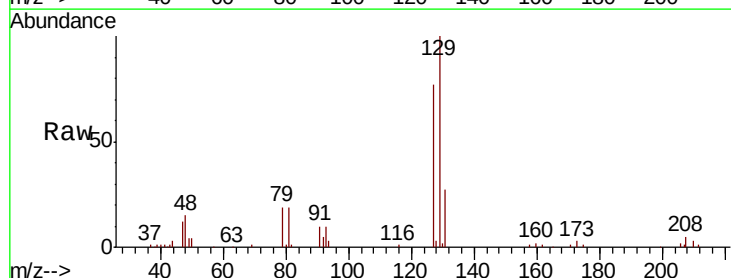
Manual Integrations
APPROVED

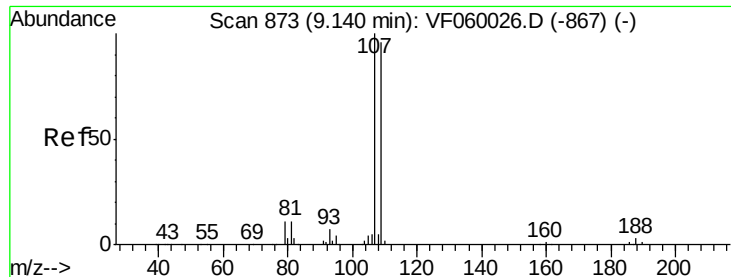
apatel
8/23/2018 10:18:39 AM



#60
Dibromochloromethane
Concen: 19.62 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 129 Resp: 56434
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.46 ug/l

RT: 9.15 min Scan# 875

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion:107 Resp: 46823

Ion Ratio Lower Upper

107 100

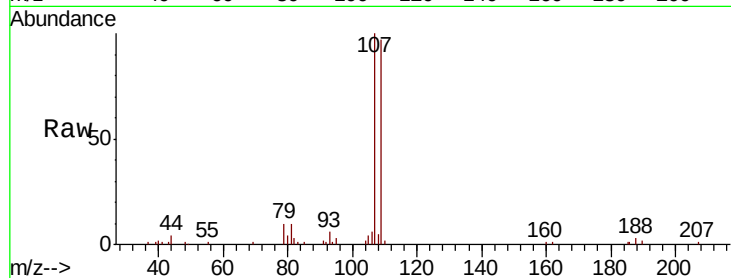
109 97.1 76.5 114.7

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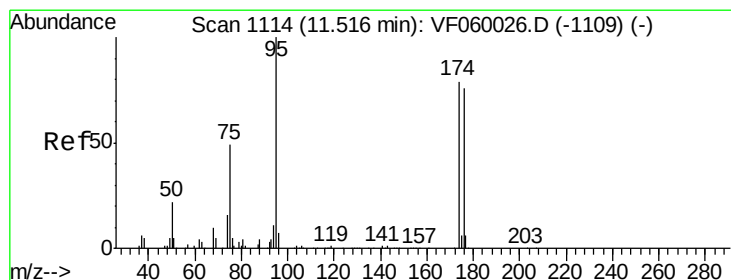
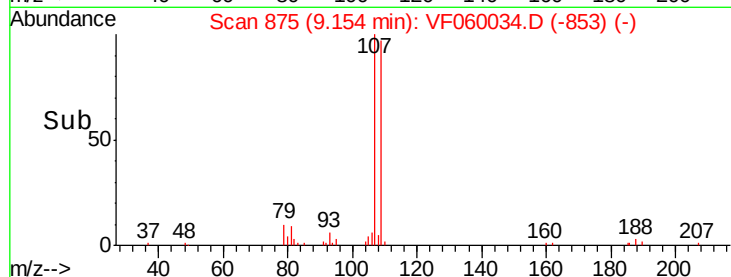
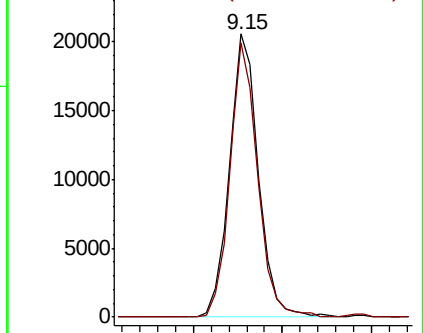
apatel

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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: 48.98 ug/l

RT: 11.53 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

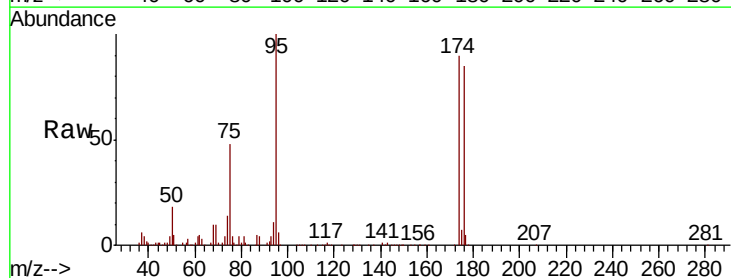
Tgt Ion: 95 Resp: 203269

Ion Ratio Lower Upper

95 100

174 90.5 0.0 158.4

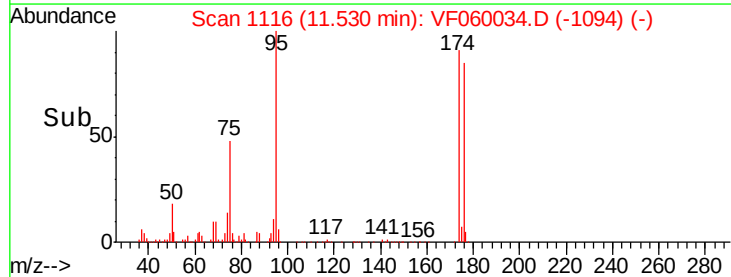
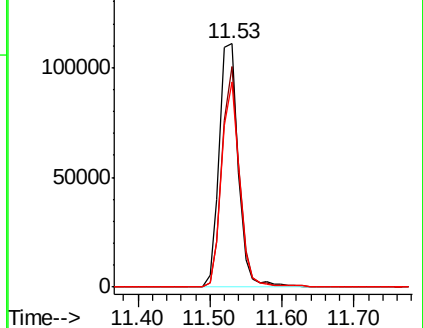
176 84.6 0.0 153.0

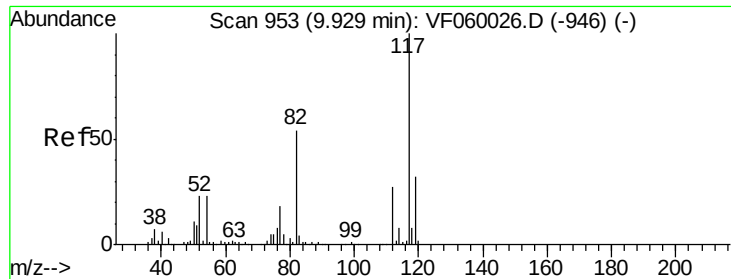


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





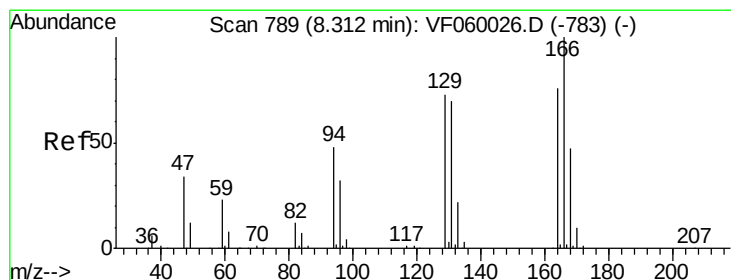
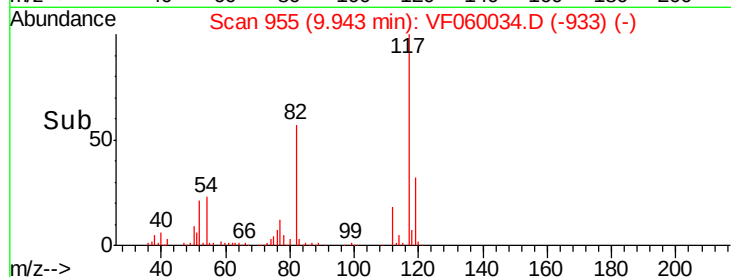
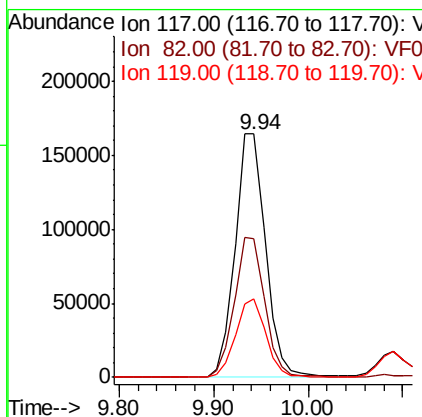
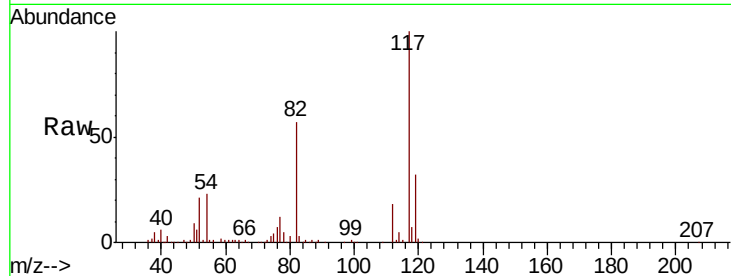
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368339		
82	56.7		43.6	65.4
119	32.4		25.6	38.4

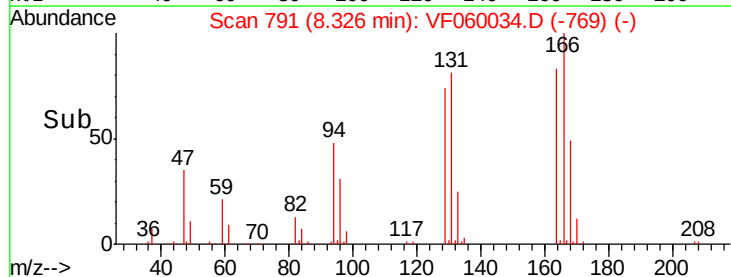
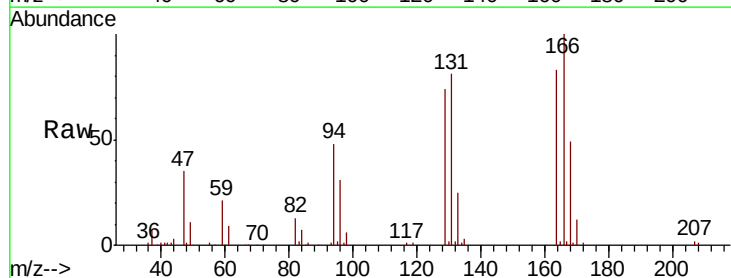
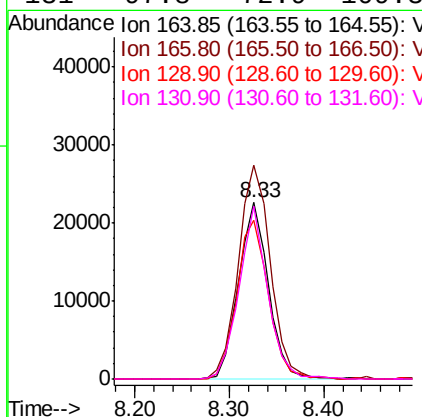
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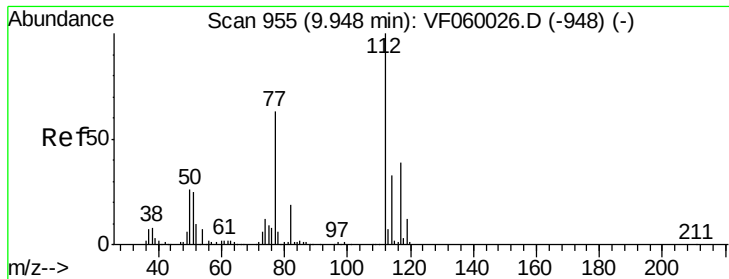
apatel
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#64
Tetrachloroethene
Concen: 19.91 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49413		
166	121.2		104.7	157.1
129	89.9		77.0	115.4
131	97.8		72.9	109.3





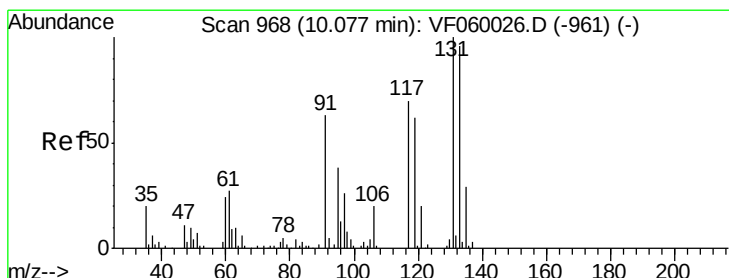
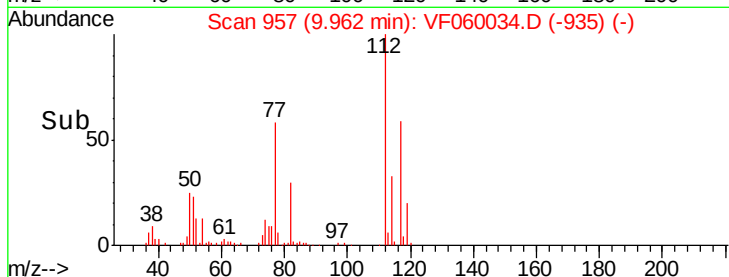
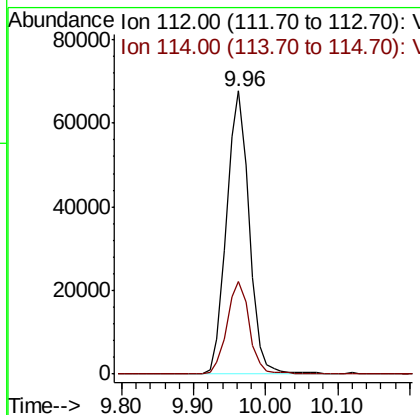
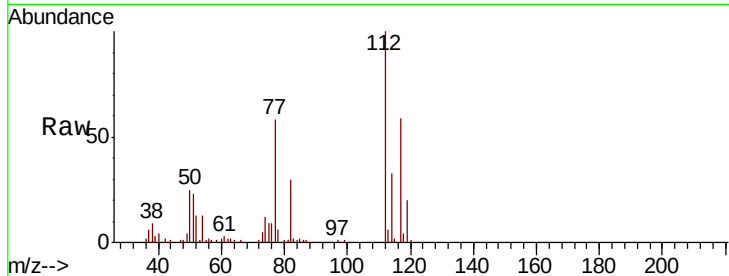
#65
Chlorobenzene
Concen: 21.26 ug/l
RT: 9.96 min Scan# 957
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	147838		
114	32.9	26.2	39.2	

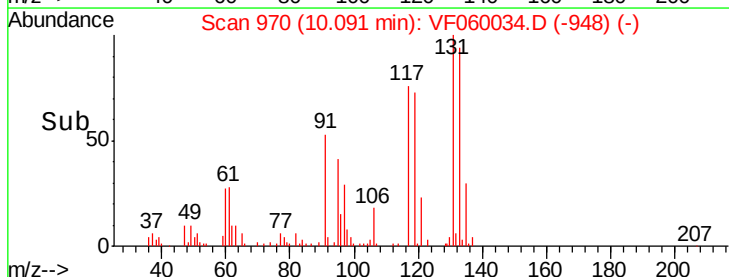
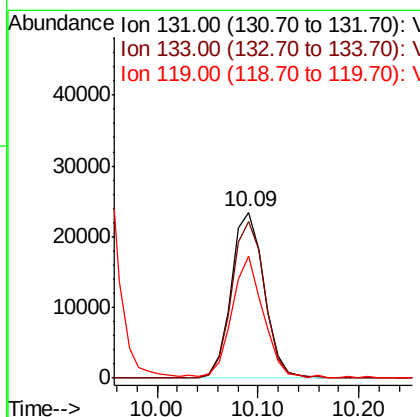
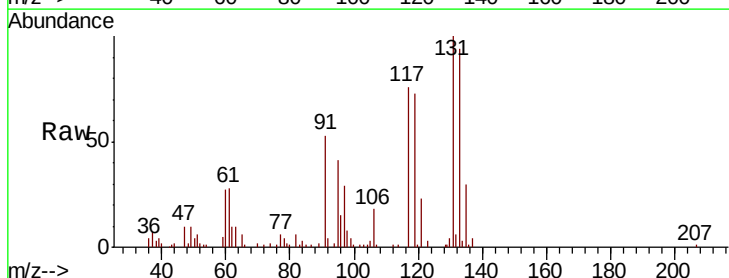
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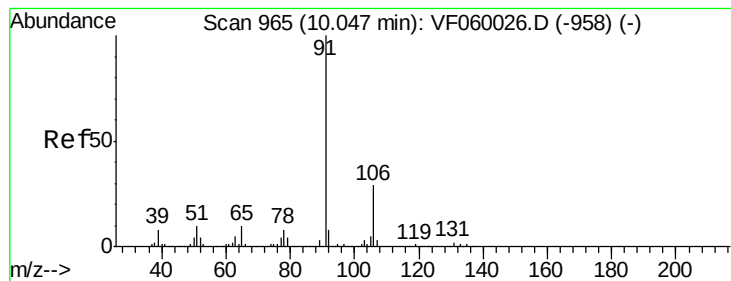
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.13 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	53092		
133	94.3	48.2	144.6	
119	73.3	31.4	94.2	





#67

Ethyl Benzene

Concen: 21.53 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 91 Resp: 258332

Ion Ratio Lower Upper

91 100

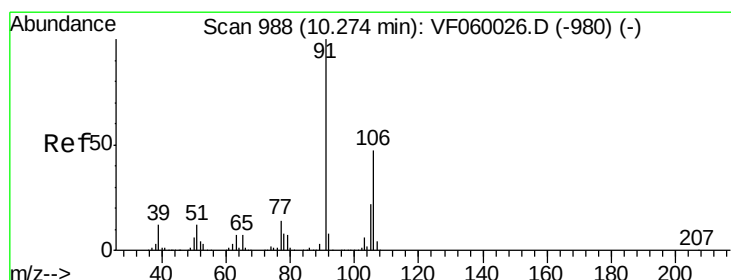
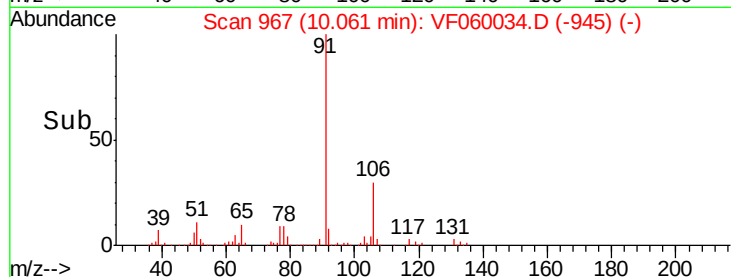
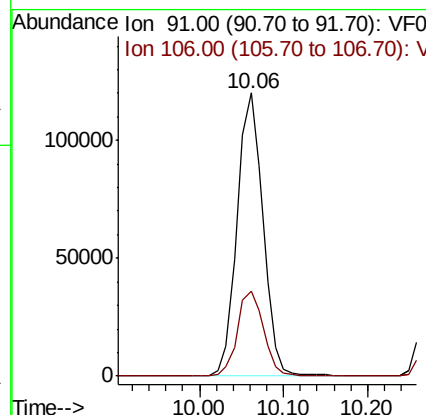
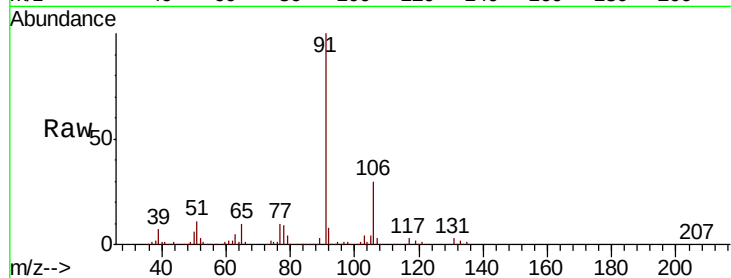
106 30.2 23.6 35.4

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#68

m/p-Xylenes

Concen: 43.85 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.01 min

Lab File: VF060034.D

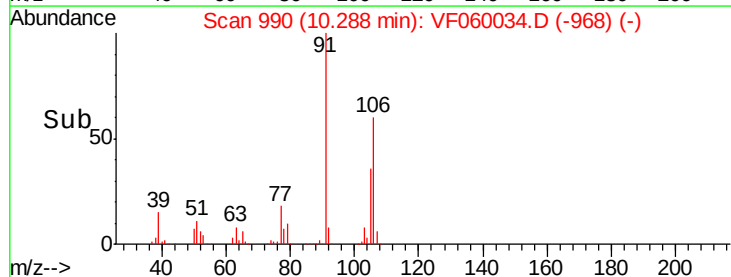
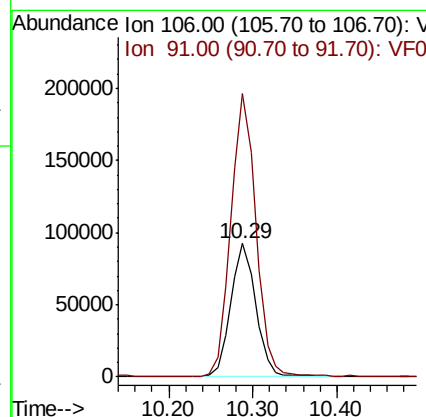
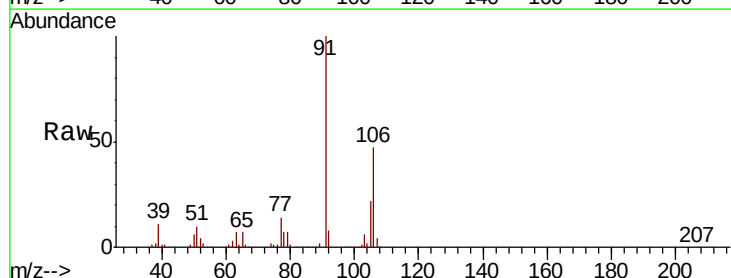
Acq: 22 Aug 2018 12:30

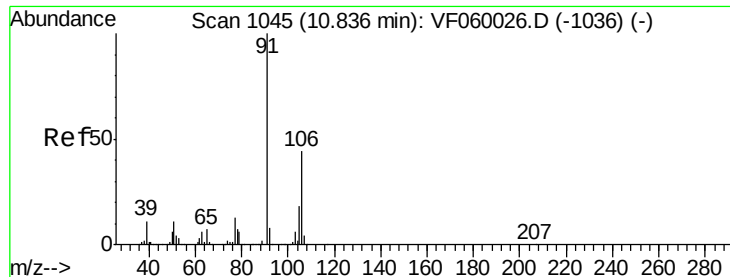
Tgt Ion: 106 Resp: 193025

Ion Ratio Lower Upper

106 100

91 212.7 171.8 257.8





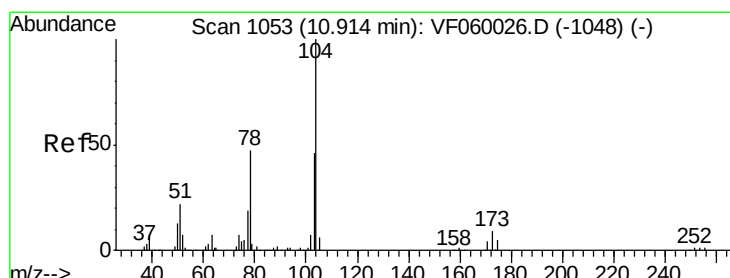
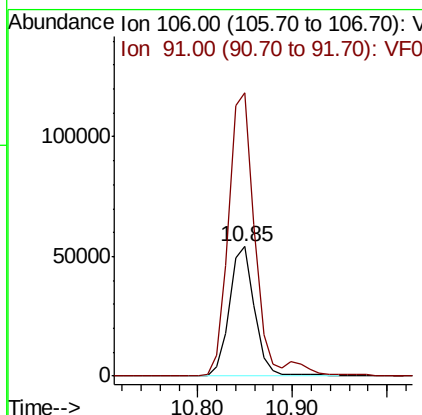
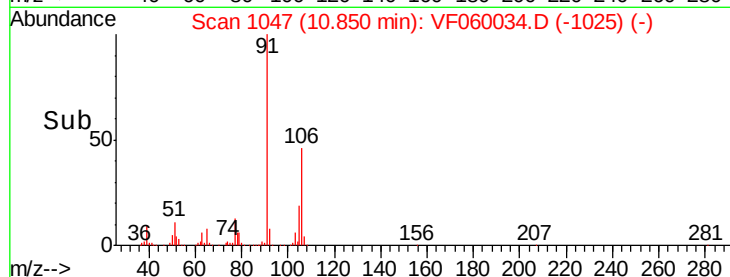
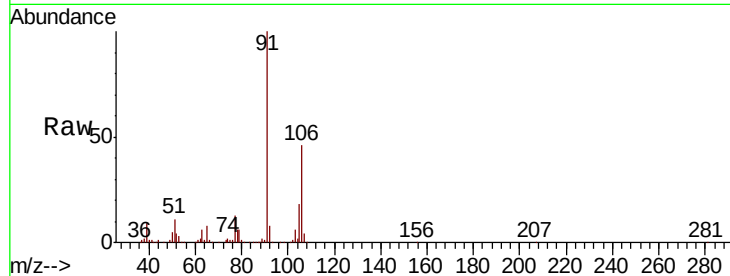
#69
o-Xylene
Concen: 21.26 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion:106 Resp: 99964
Ion Ratio Lower Upper
106 100
91 218.7 112.5 337.5

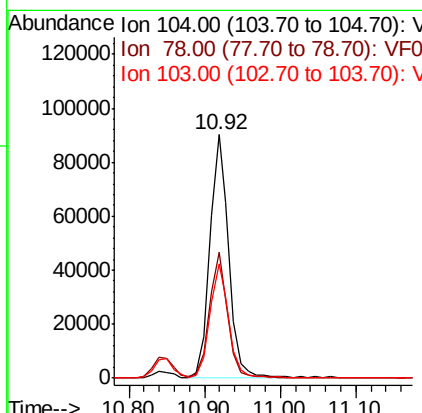
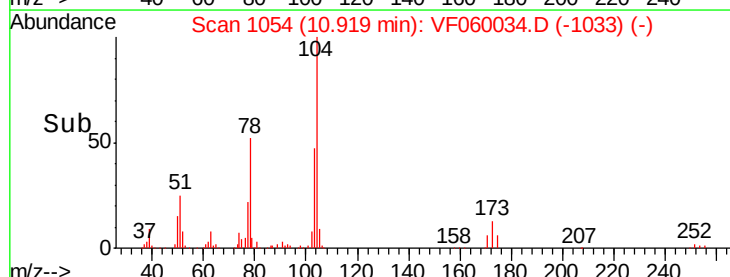
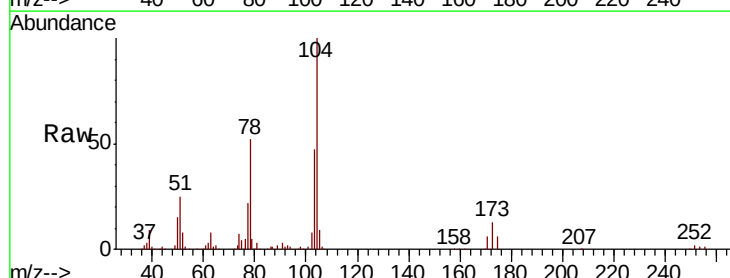
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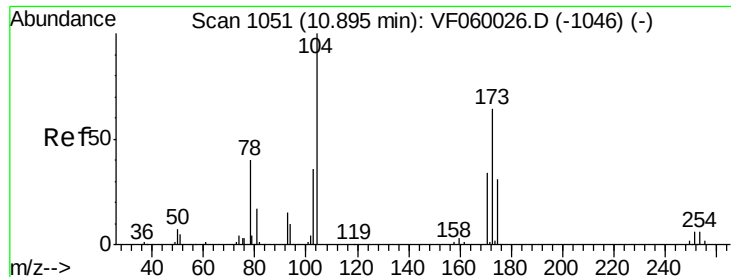
apatel
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#70
Styrene
Concen: 21.86 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:104 Resp: 157692
Ion Ratio Lower Upper
104 100
78 51.8 38.0 57.0
103 46.8 37.6 56.4





#71

Bromoform

Concen: 19.75 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion:173 Resp: 36352

Ion Ratio Lower Upper

173 100

175 53.2 24.7 74.1

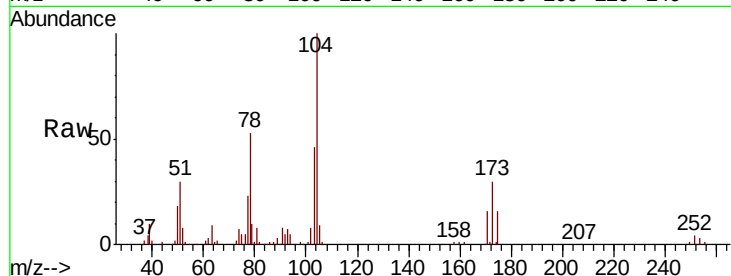
254 0.0 0.0 0.0

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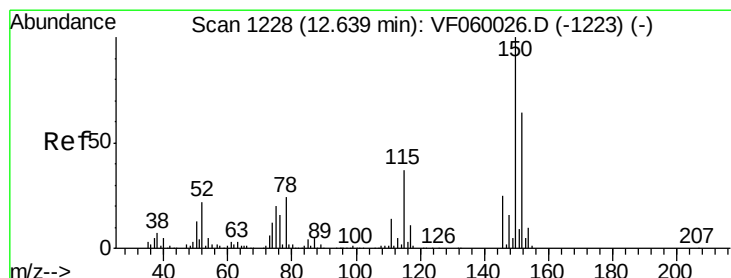
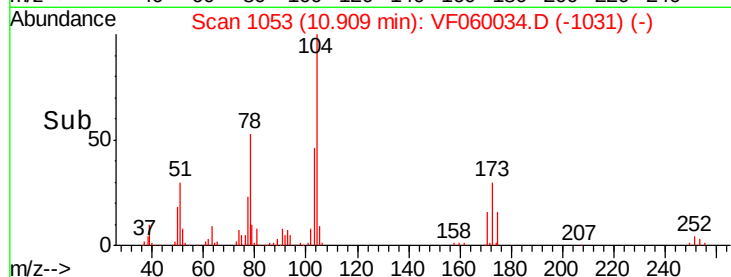
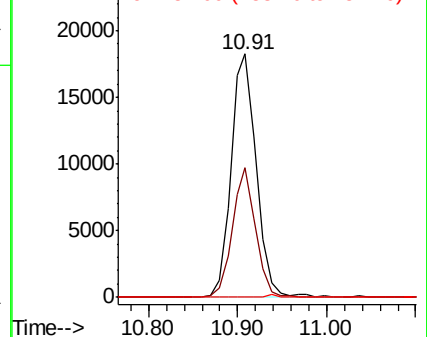


Abundance

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# 1229

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

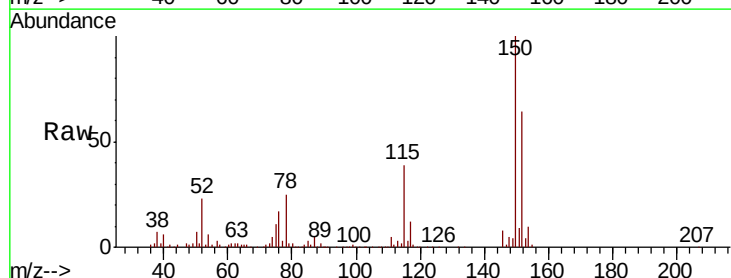
Tgt Ion:152 Resp: 215439

Ion Ratio Lower Upper

152 100

115 60.4 28.6 85.9

150 156.8 0.0 312.0

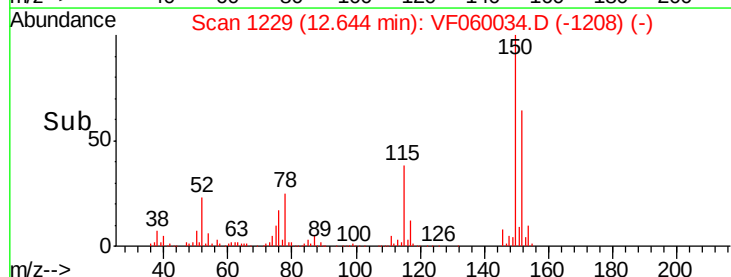
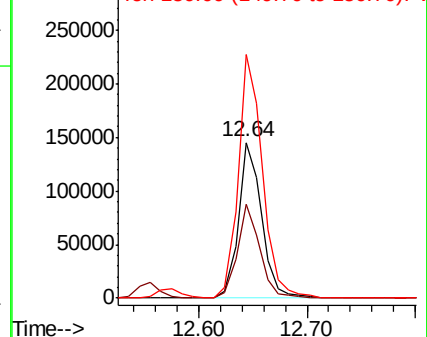


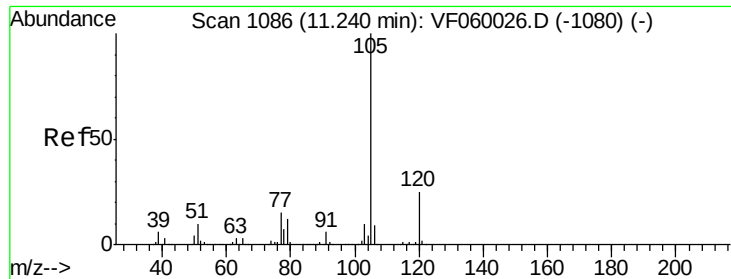
Abundance

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: 22.82 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion:105 Resp: 295905

Ion Ratio Lower Upper

105 100

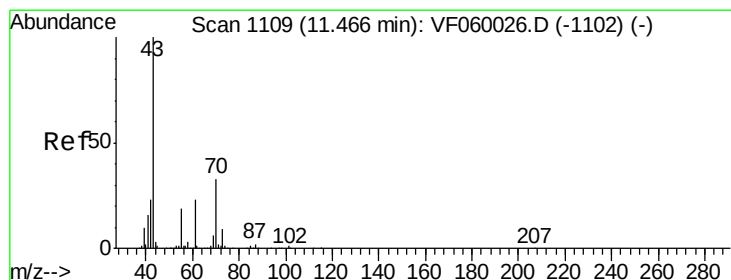
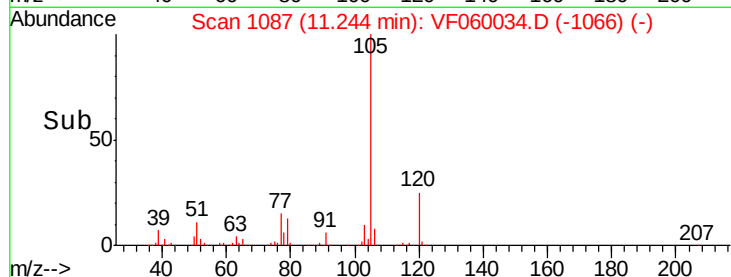
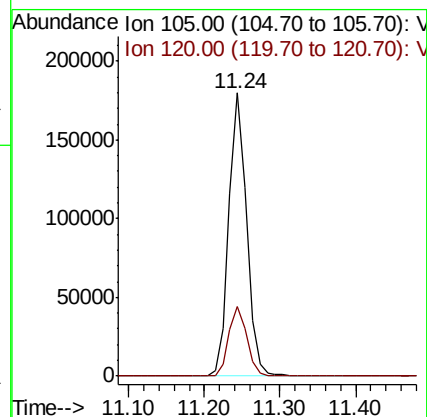
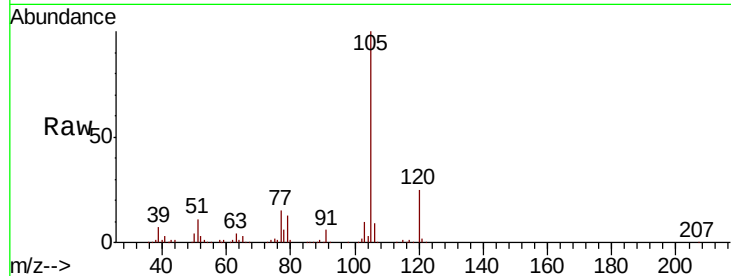
120 24.5 12.7 38.0

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#74

N-ethyl acetate

Concen: 21.37 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion: 43 Resp: 86128

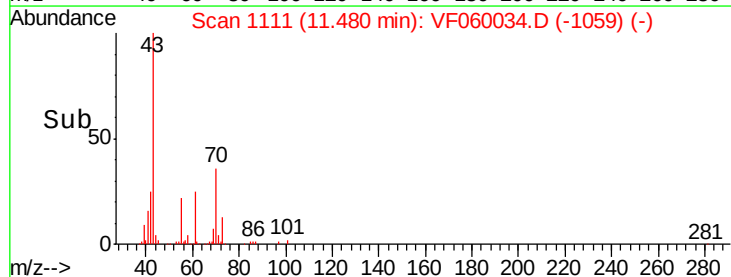
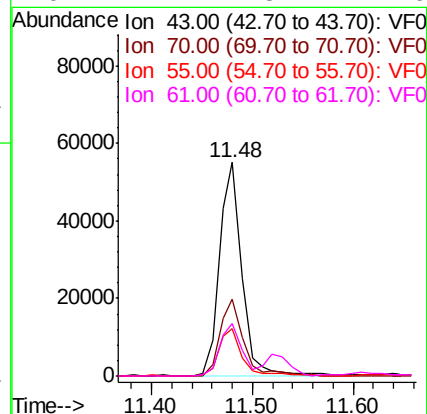
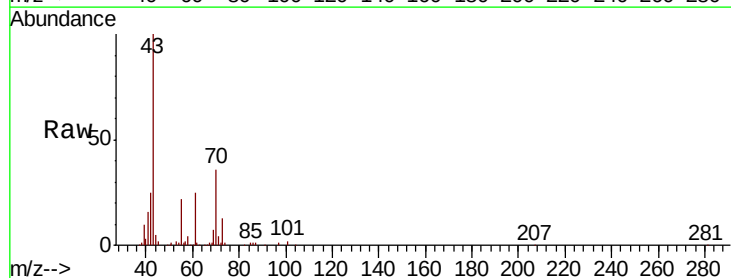
Ion Ratio Lower Upper

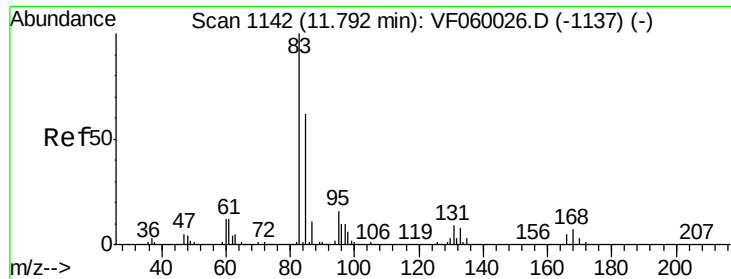
43 100

70 35.8 26.4 39.6

55 22.3 15.0 22.4

61 24.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.24 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

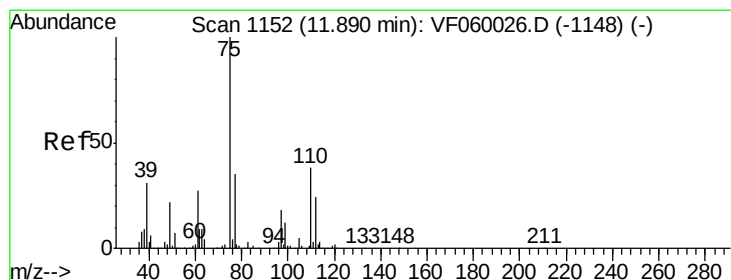
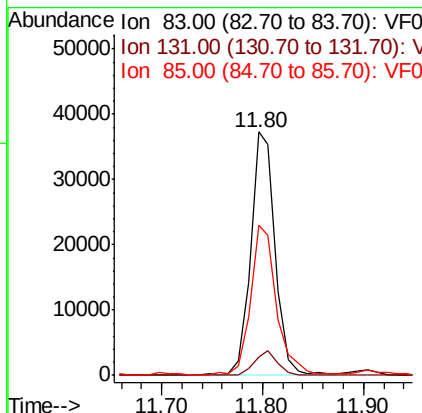
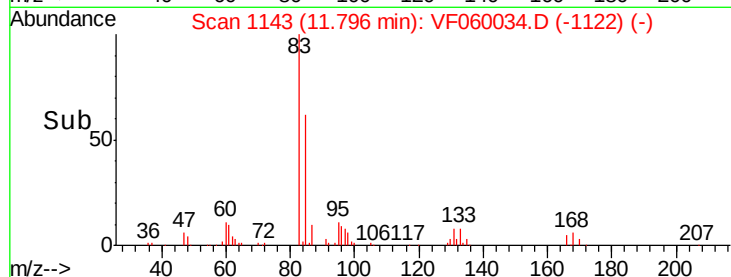
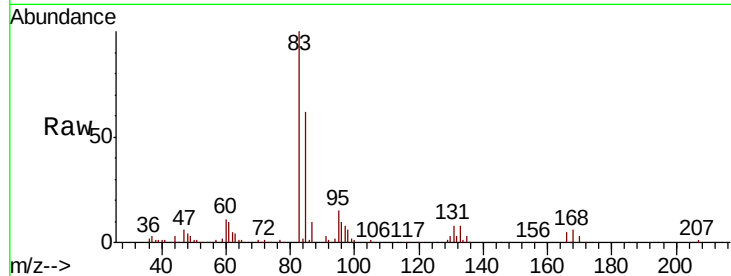
ClientSampleId :

VF0822SBS01

Tot Ion:	83	Resp:	62988
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.5	13.7
85	61.9	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 20.74 ug/l

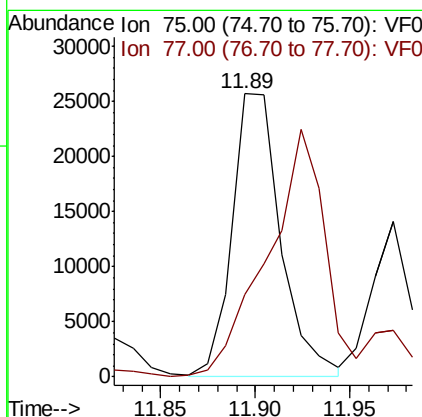
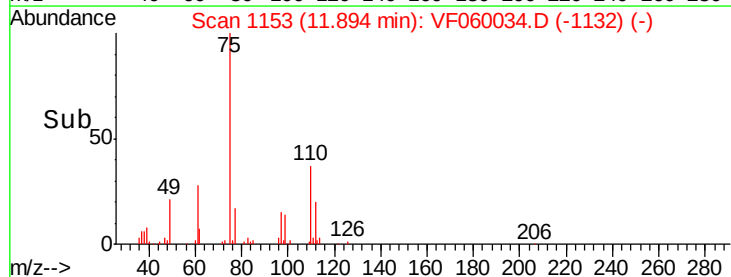
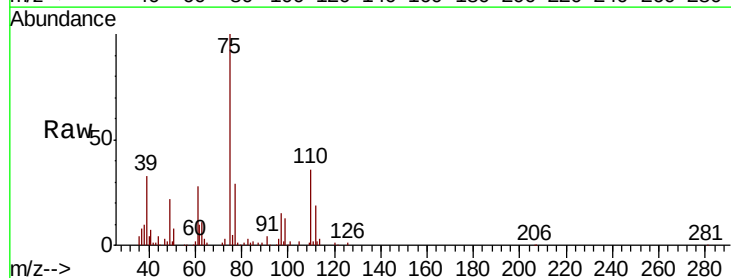
RT: 11.89 min Scan# 1153

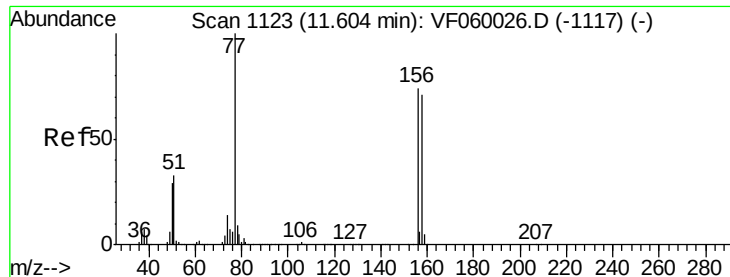
Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion:	75	Resp:	45542
Ion Ratio	Lower	Upper	
75	100		
77	29.2	17.3	52.0





#77

Bromobenzene

Concen: 21.36 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 156 Resp: 75318

Ion Ratio Lower Upper

156 100

77 155.5 68.0 204.0

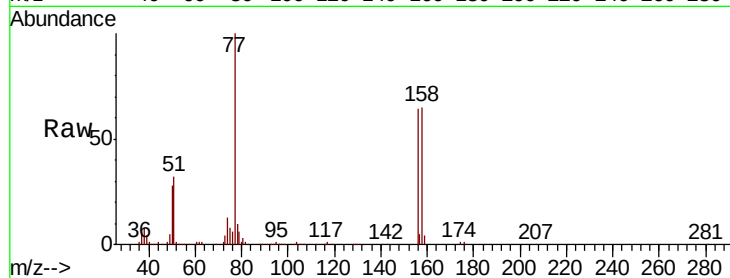
158 101.4 48.4 145.3

Manual Integrations

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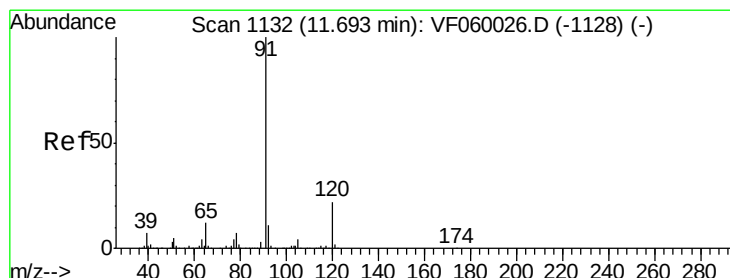
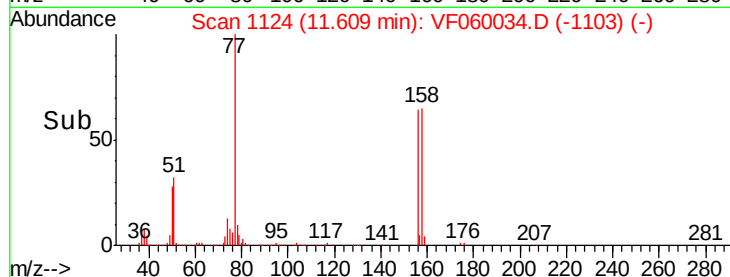
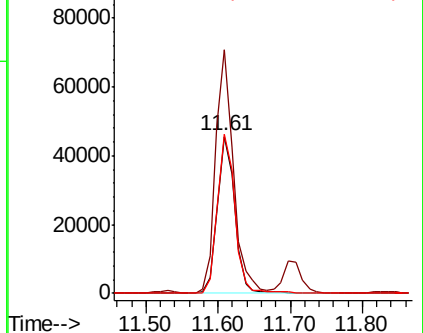
8/23/2018 10:18:39 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.82 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF060034.D

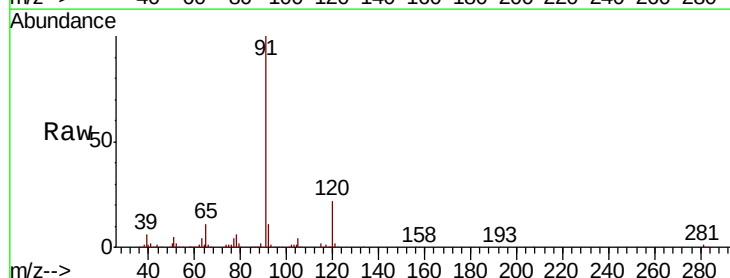
Acq: 22 Aug 2018 12:30

Tgt Ion: 91 Resp: 365222

Ion Ratio Lower Upper

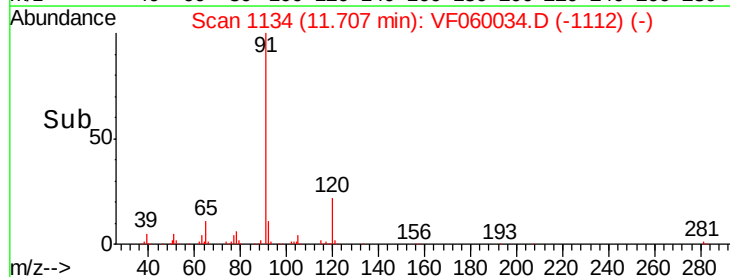
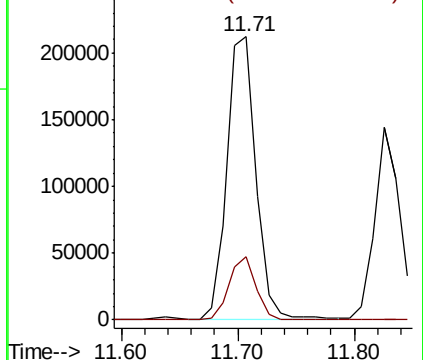
91 100

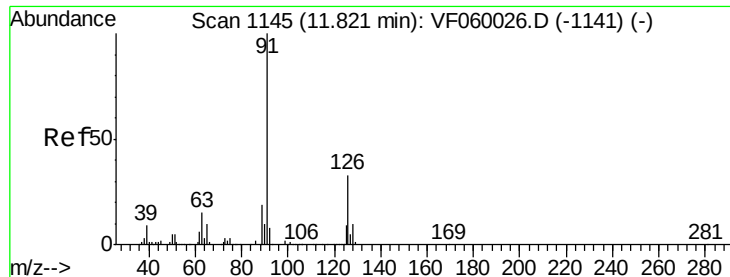
120 22.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





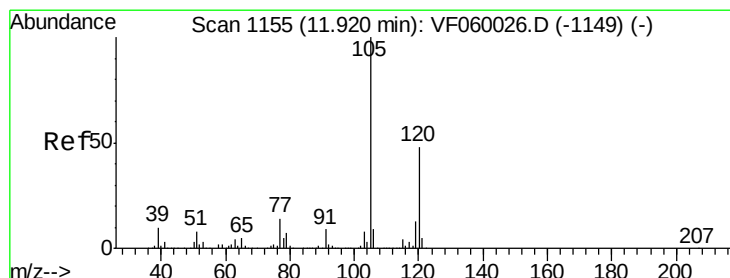
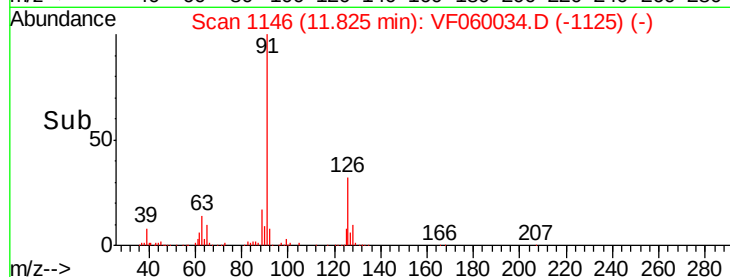
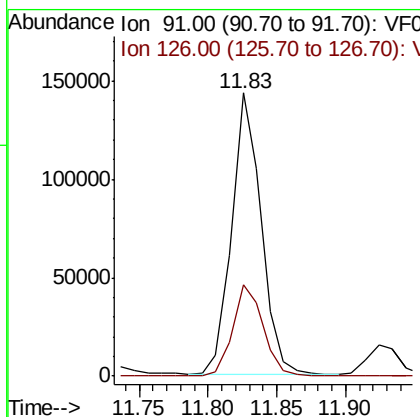
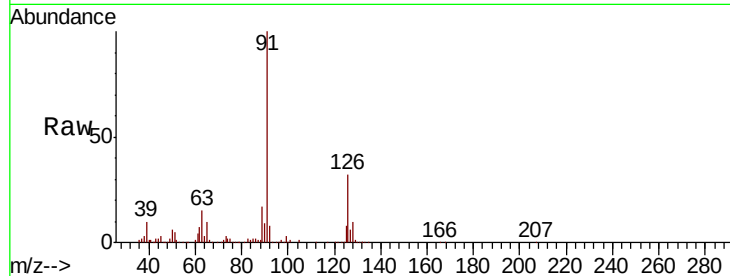
#79
 2-Chlorotoluene
 Concen: 22.51 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.6	49.7

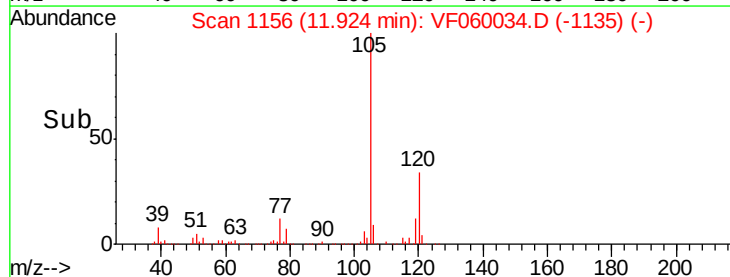
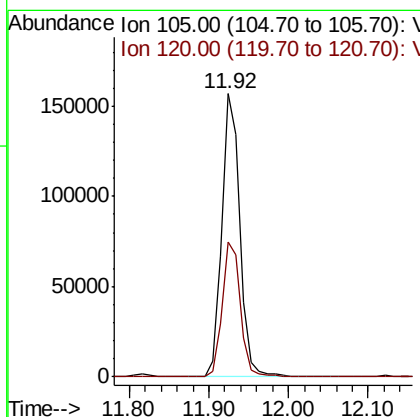
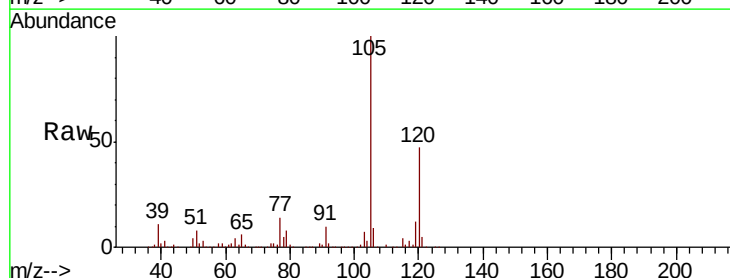
Manual Integrations
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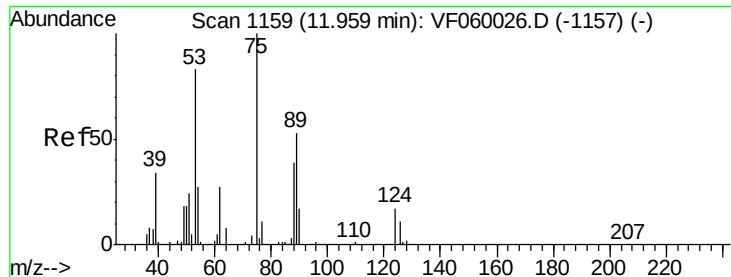
apatel
 8/23/2018 10:18:39 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.28 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.47 ug/l m

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 75 Resp: 21579

Ion Ratio Lower Upper

75 100

53 74.2 66.2 99.4

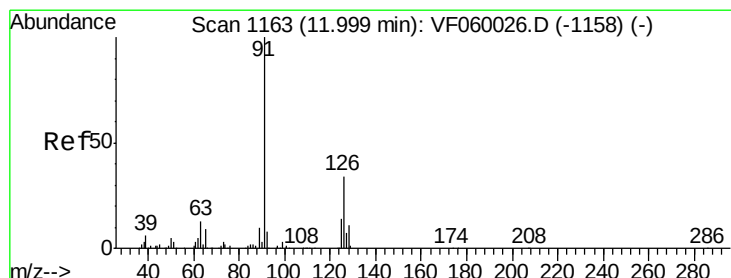
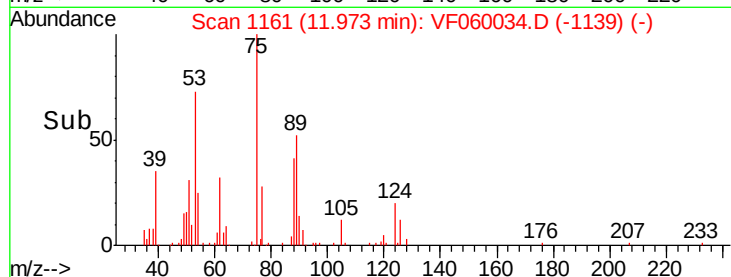
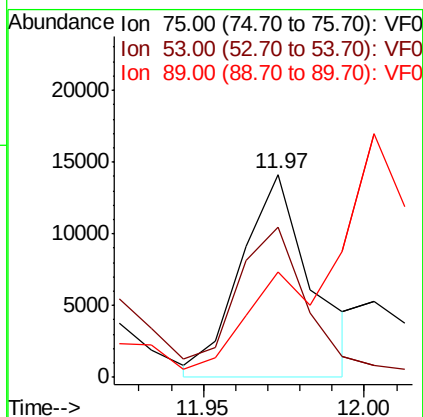
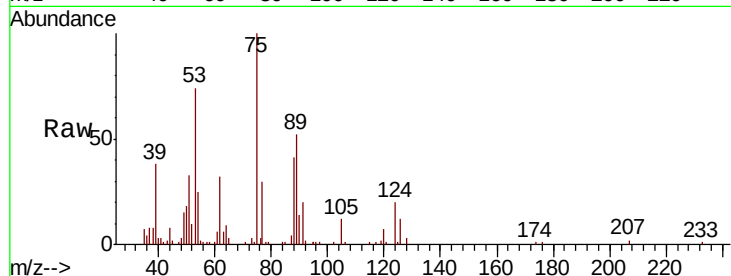
89 52.1 42.8 64.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 22.07 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VF060034.D

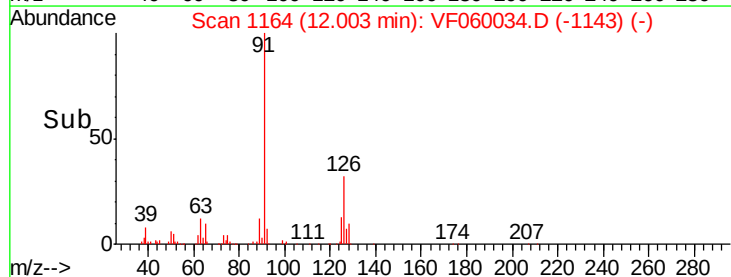
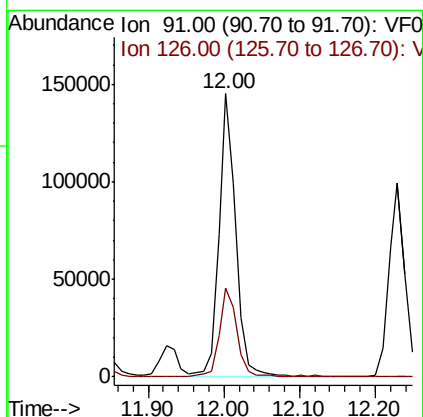
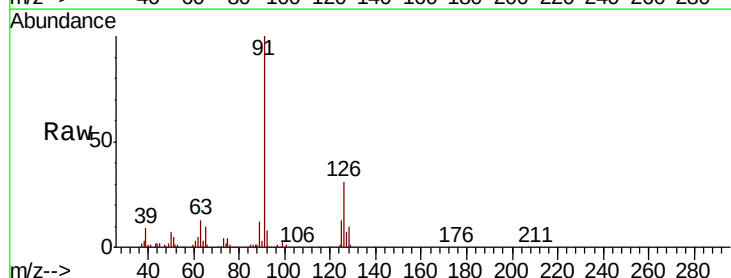
Acq: 22 Aug 2018 12:30

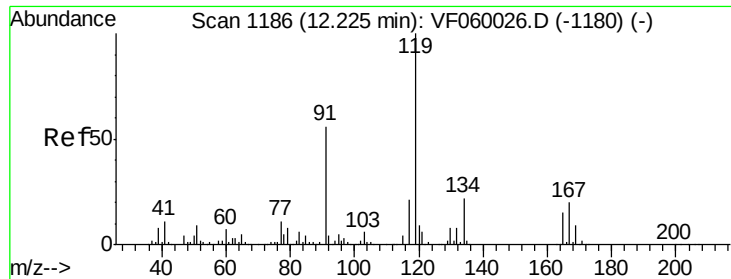
Tgt Ion: 91 Resp: 225467

Ion Ratio Lower Upper

91 100

126 31.5 17.0 50.9





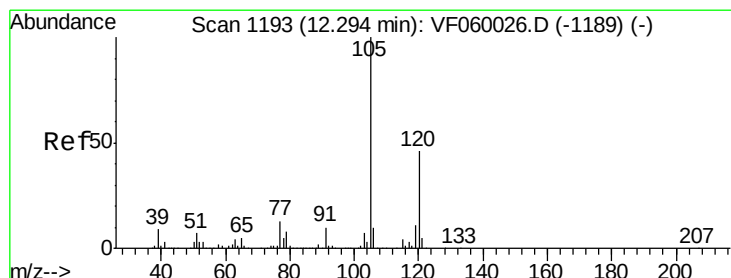
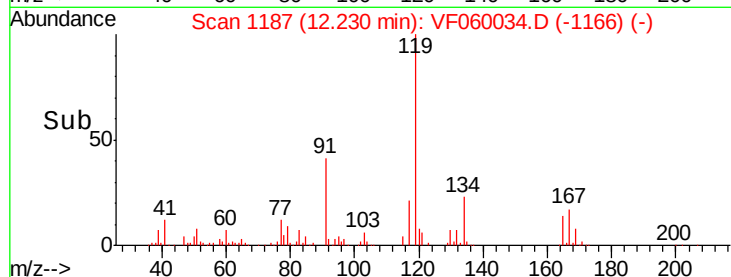
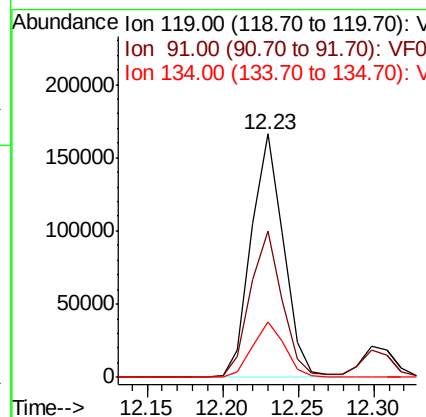
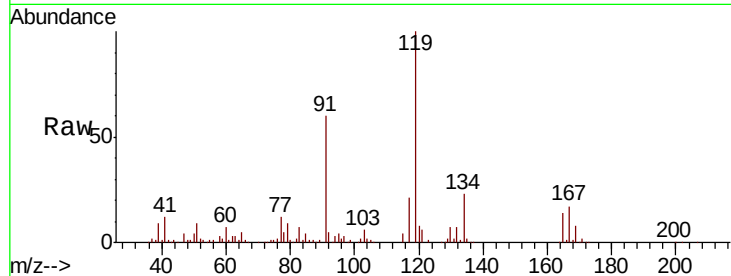
#83
tert-Butylbenzene
Concen: 22.66 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249698		
91	59.9		28.1	84.3
134	23.0		11.1	33.3

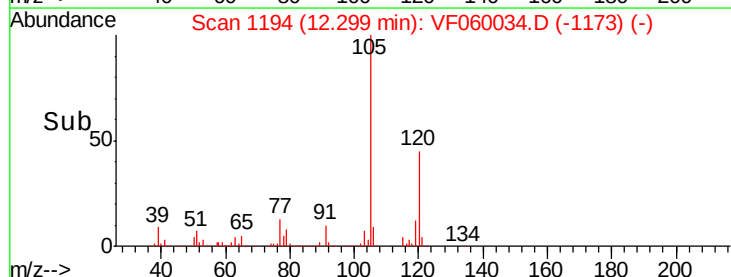
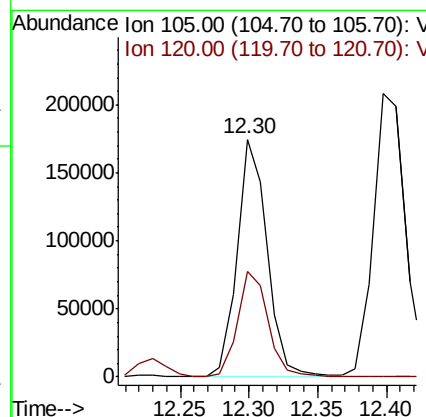
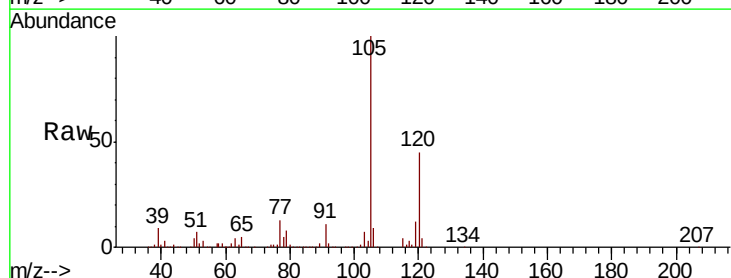
Manual Integrations
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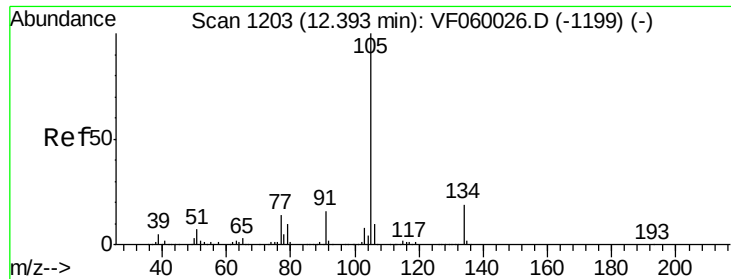
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 22.04 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264672		
120	44.5		23.3	69.8





#85

sec-Butylbenzene

Concen: 22.08 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion:105 Resp: 338753

Ion Ratio Lower Upper

105 100

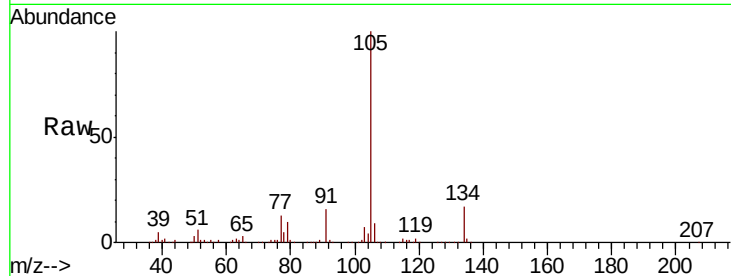
134 17.0 9.3 27.9

Manual Integrations

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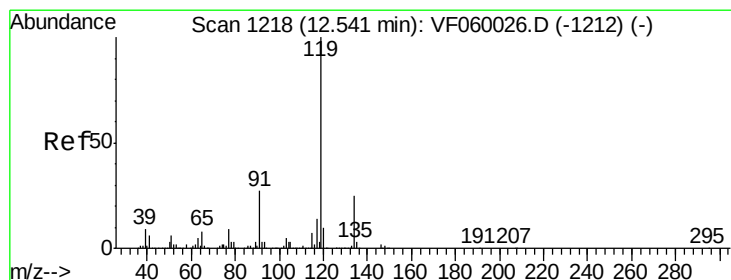
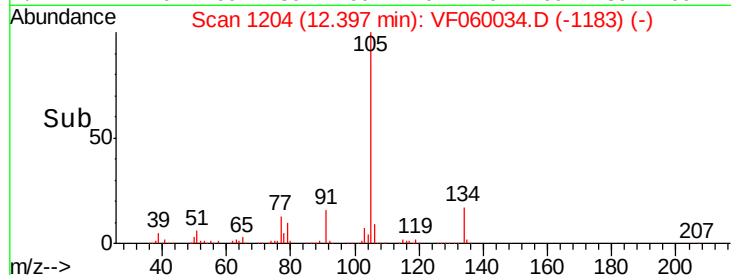
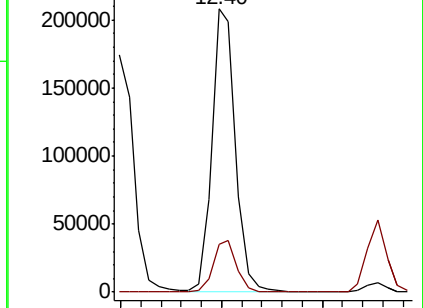
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.07 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

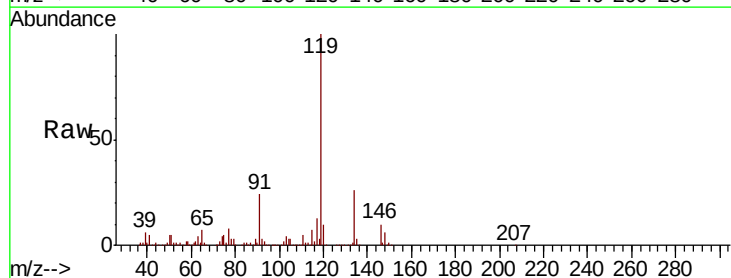
Tgt Ion:119 Resp: 293644

Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.2

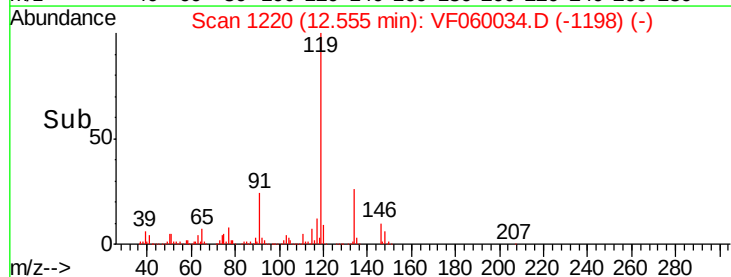
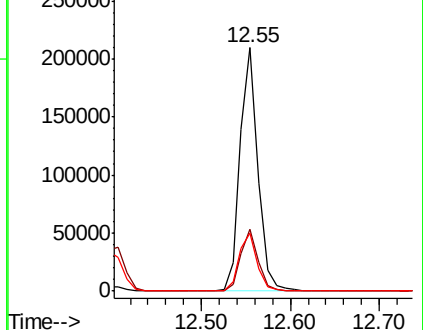
91 23.8 13.5 40.4

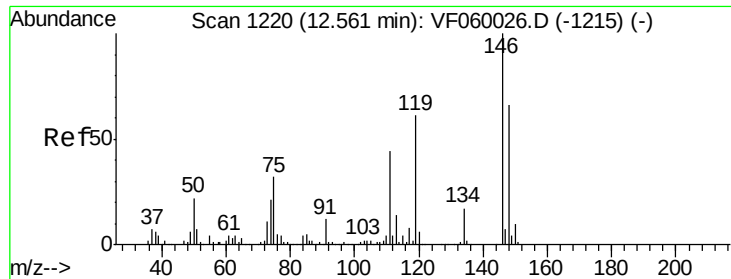


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





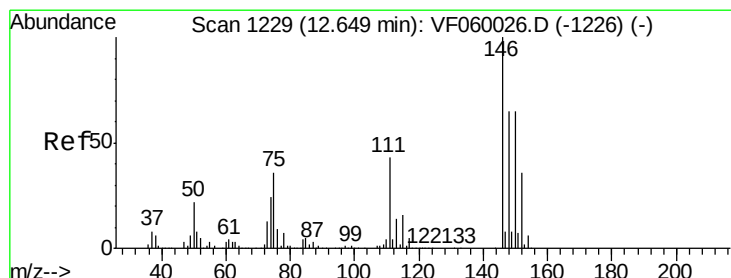
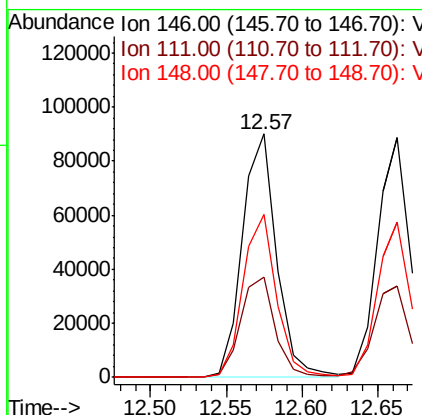
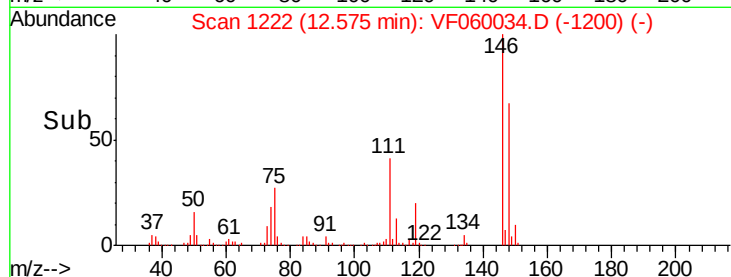
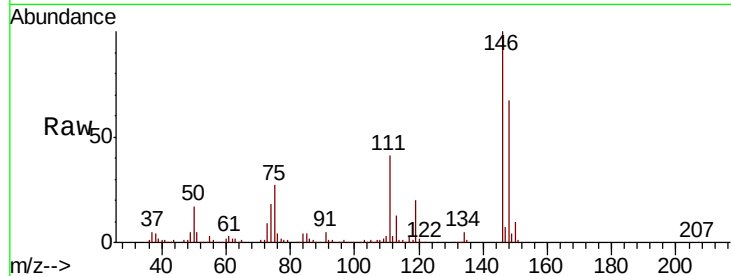
#87
 1,3-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 12.57 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.9	65.5
148	66.8	32.9	98.7

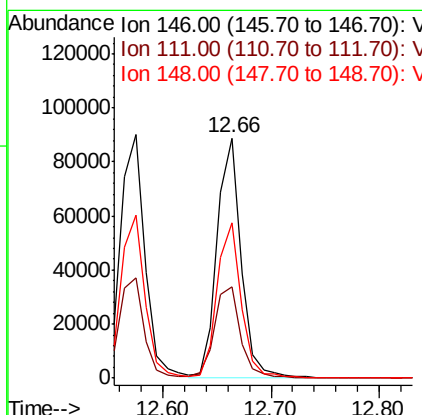
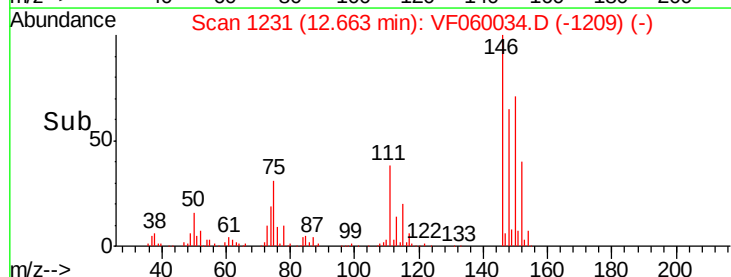
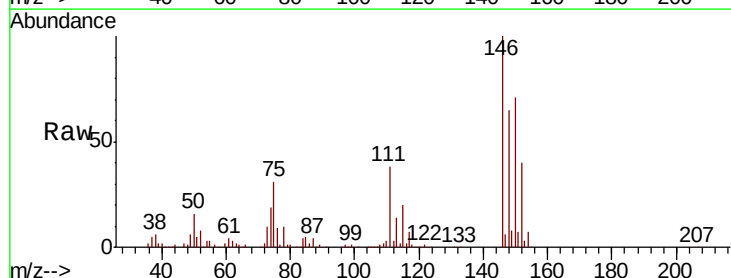
Manual Integrations
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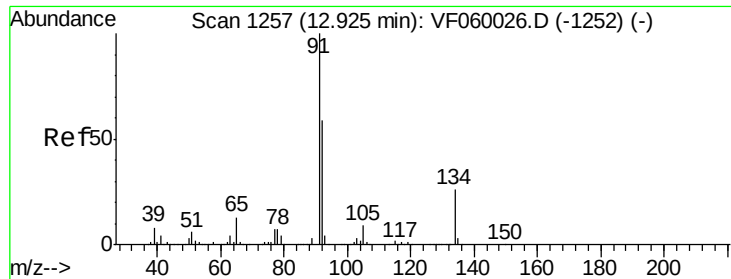
apatel
 8/23/2018 10:18:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.03 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.6	64.8
148	64.6	32.3	96.8





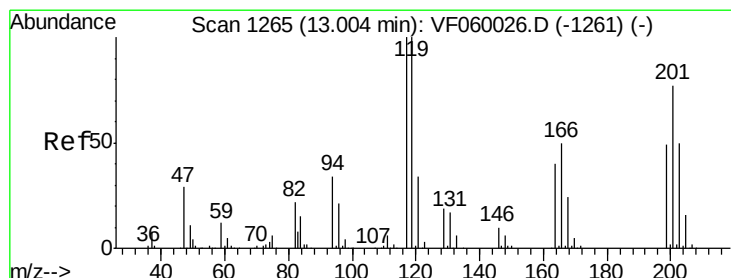
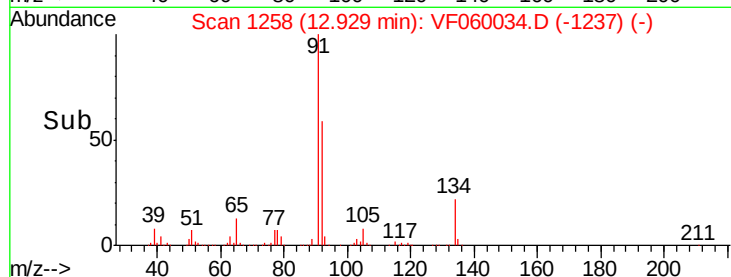
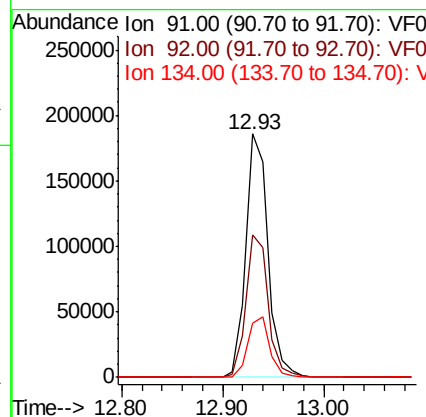
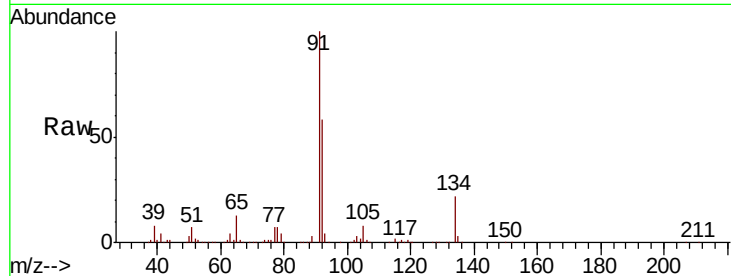
#89
n-Butylbenzene
Concen: 22.99 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	29.3	87.9
134	22.4	12.8	38.3

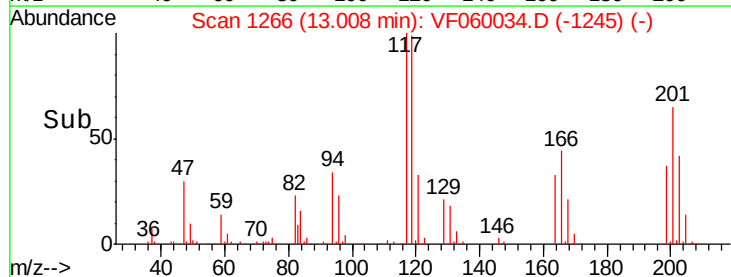
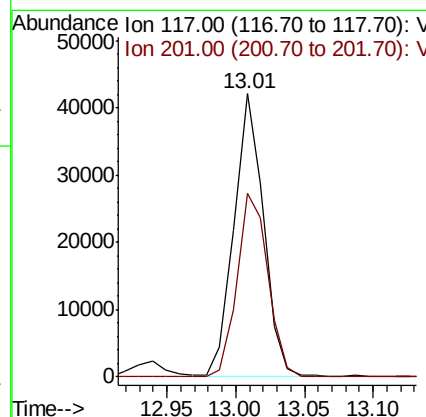
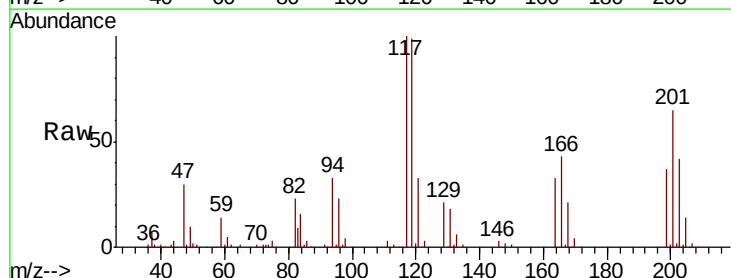
Manual Integrations
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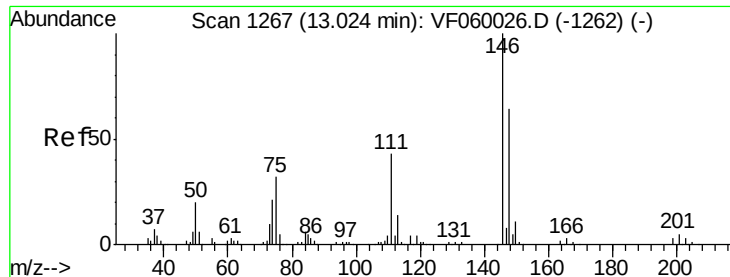
apatel
8/23/2018 10:18:39 AM



#90
Hexachloroethane
Concen: 22.15 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	38.6	115.8





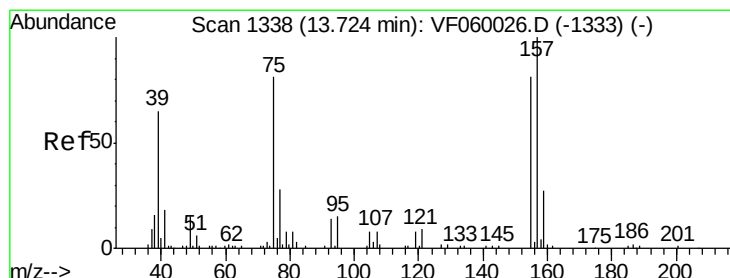
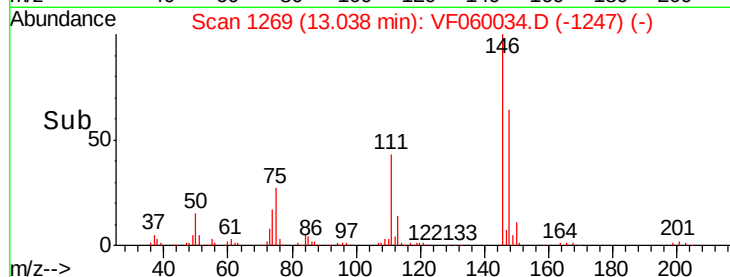
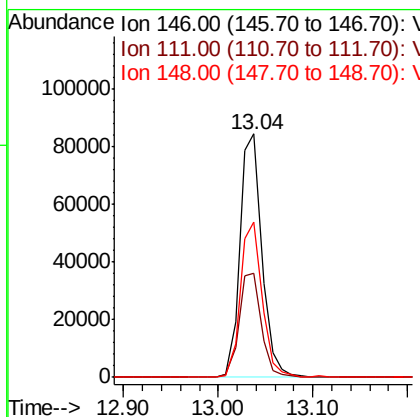
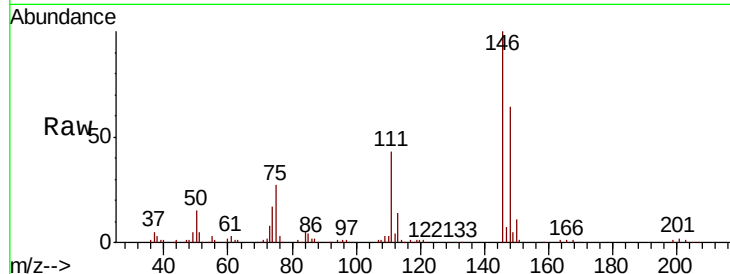
#91
 1,2-Dichlorobenzene
 Concen: 21.60 ug/l
 RT: 13.04 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.6
148	63.9	32.3	96.8

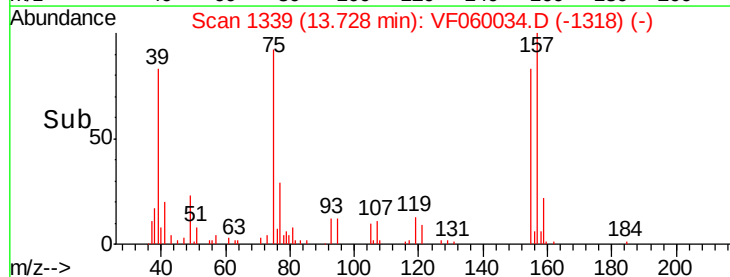
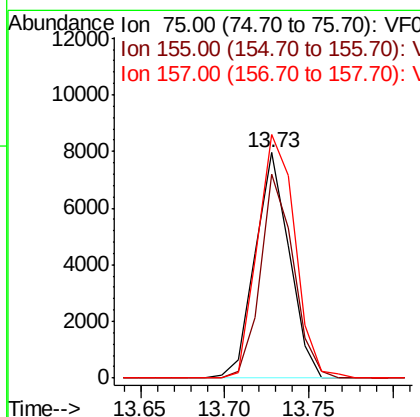
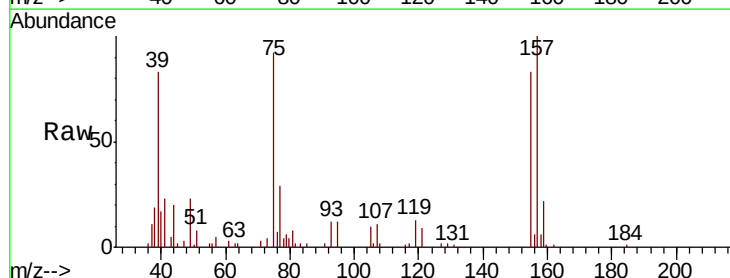
Manual Integrations
 APPROVED

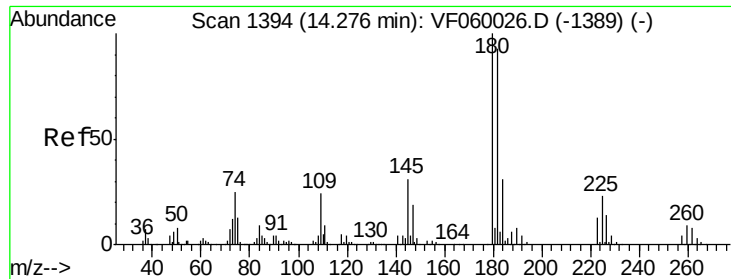
apatel
 8/23/2018 10:18:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.34 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	49.8	149.3
157	108.2	61.6	184.7





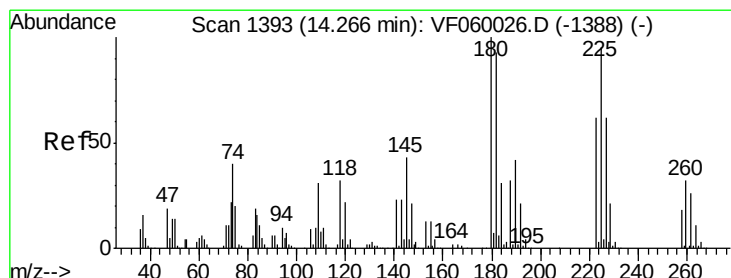
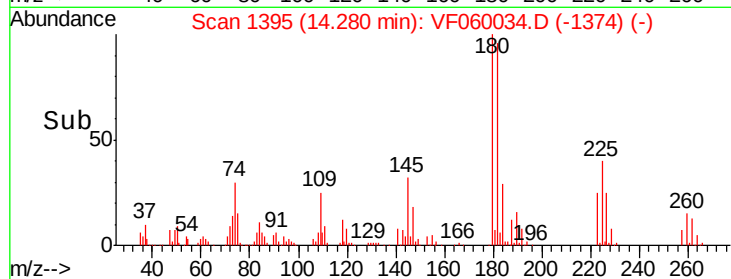
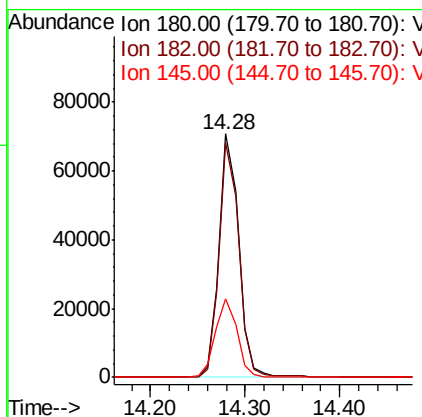
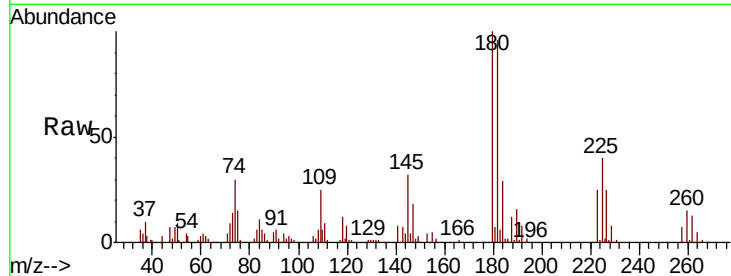
#93
 1,2,4-Trichlorobenzene
 Concen: 22.28 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion:	180	Resp:	102899
Ion Ratio	Lower	Upper	
180	100		
182	96.3	46.8	140.3
145	32.4	15.4	46.4

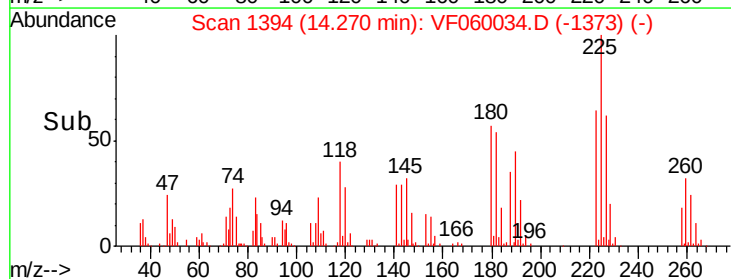
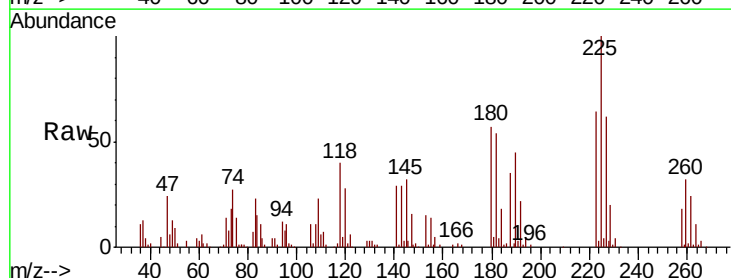
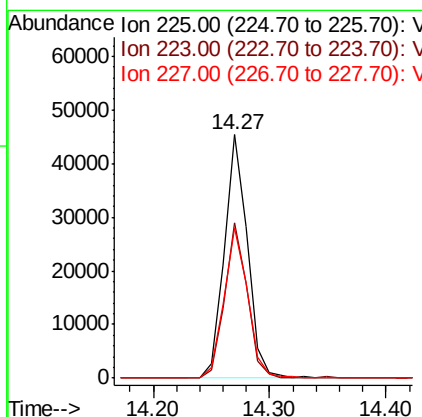
Manual Integrations
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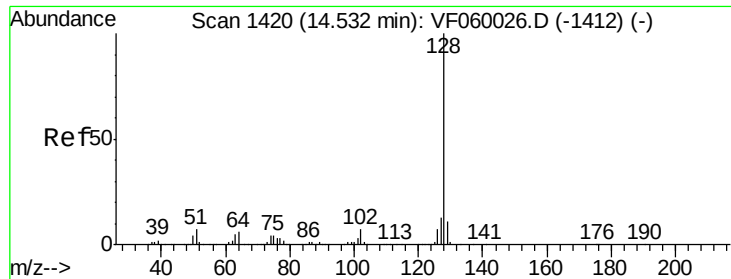
apatel
 8/23/2018 10:18:39 AM



#94
 Hexachlorobutadiene
 Concen: 21.55 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion:	225	Resp:	61953
Ion Ratio	Lower	Upper	
225	100		
223	63.8	32.6	97.8
227	61.7	33.0	98.9





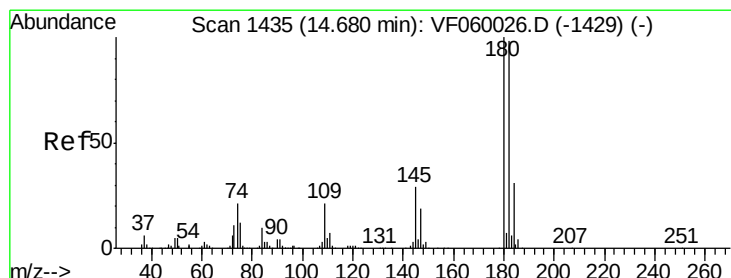
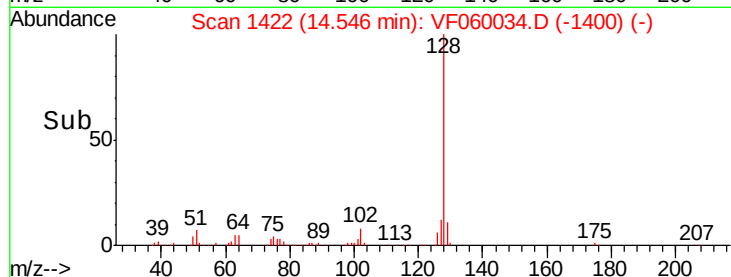
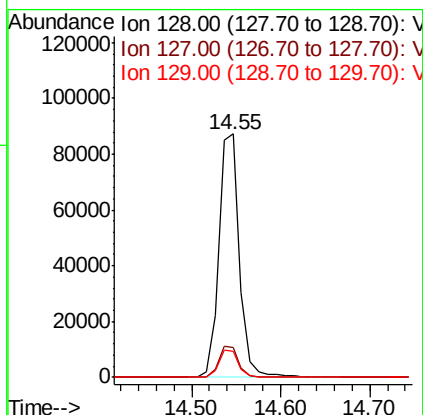
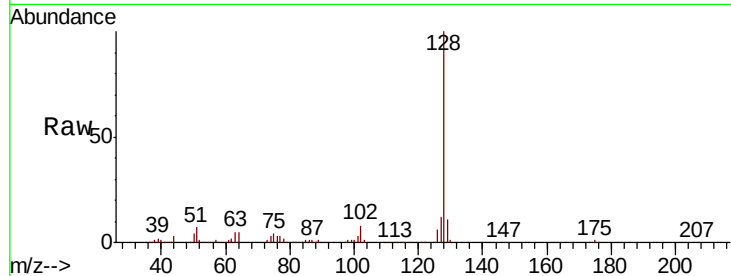
#95
Naphthalene
Concen: 19.12 ug/l
RT: 14.55 min Scan# 1422
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		141373		
127	12.2	10.4	15.6		
129	10.9	8.5	12.7		

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.11 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		97422		
182	92.4	49.0	147.2		
145	31.9	14.4	43.2		

