

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060176.D
 Acq On : 29 Aug 2018 5:32
 Operator : VA/AP
 Sample : VF0829SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:25 PM

Quant Time: Aug 29 07:49:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	71821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	72258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	59943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	28150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	20061	44.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.44%	
35) Dibromofluoromethane	4.28	113	23565	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.71	98	86901	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.50	95	29665	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	27150	18.37	ug/l	89
3) Chloromethane	1.07	50	10127	18.38	ug/l	98
4) Vinyl Chloride	1.12	62	9876	17.89	ug/l	96
5) Bromomethane	1.32	94	5530	20.04	ug/l	92
6) Chloroethane	1.41	64	5794	17.55	ug/l	95
7) Trichlorofluoromethane	1.49	101	48072	19.03	ug/l	96
8) Diethyl Ether	1.69	74	1824	19.32	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	23095	20.78	ug/l	96
10) Methyl Iodide	1.93	142	8708	16.34	ug/l	98
11) Tert butyl alcohol	2.62	59	720	107.82	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	12585	18.16	ug/l	99
13) Acrolein	2.08	56	1108	116.84	ug/l #	58
14) Allyl chloride	2.18	41	10818	18.80	ug/l	89
15) Acrylonitrile	3.05	53	2267	103.97	ug/l #	84
16) Acetone	2.32	43	5280	85.50	ug/l #	91
17) Carbon Disulfide	1.84	76	38294	18.81	ug/l #	92
18) Methyl Acetate	2.43	43	2823	31.37	ug/l #	63
19) Methyl tert-butyl Ether	2.50	73	9730	19.06	ug/l #	88
20) Methylene Chloride	2.27	84	6353	15.63	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	10847	18.54	ug/l	90
22) Diisopropyl ether	2.90	45	17348	18.32	ug/l #	92
23) Vinyl Acetate	3.31	43	19608	88.89	ug/l	99
24) 1,1-Dichloroethane	2.99	63	17441	17.69	ug/l #	98
25) 2-Butanone	4.46	43	4098	77.56	ug/l #	80
26) 2,2-Dichloropropane	3.75	77	11949	17.91	ug/l	95
27) cis-1,2-Dichloroethene	3.61	96	8193	19.91	ug/l	97
28) Bromochloromethane	3.87	49	3978	18.74	ug/l #	80
29) Tetrahydrofuran	4.24	42	2019	83.75	ug/l #	75
30) Chloroform	4.01	83	19129m	17.30	ug/l	
31) Cyclohexane	3.85	56	19034	20.15	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	28150	17.81	ug/l	93
36) 1,1-Dichloropropene	4.45	75	19034	19.09	ug/l #	79
37) Ethyl Acetate	4.24	43	3255	26.48	ug/l #	1
38) Carbon Tetrachloride	4.16	117	26803	19.52	ug/l	93

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Quant Time: Aug 29 07:49:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	22941	23.75	ug/l	90
40) Benzene	4.81	78	27871	20.53	ug/l	99
41) Methacrylonitrile	4.90	41	1593	22.85	ug/l #	81
42) 1,2-Dichloroethane	5.09	62	9215	18.85	ug/l	96
43) Isopropyl Acetate	7.09	43	2450	15.82	ug/l #	82
44) Trichloroethene	5.66	130	12185	20.92	ug/l	88
45) 1,2-Dichloropropane	6.38	63	5955	20.73	ug/l	90
46) Dibromomethane	6.26	93	3152	20.30	ug/l #	52
47) Bromodichloromethane	6.53	83	10047	17.76	ug/l #	93
48) Methyl methacrylate	6.86	41	2248	18.63	ug/l	91
49) 1,4-Dioxane	6.85	88	368	500.02	ug/l #	19
51) 4-Methyl-2-Pentanone	8.40	43	13318	98.41	ug/l	95
52) Toluene	7.76	92	22401	21.36	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	5505	17.47	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	7700	19.63	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	3452	19.22	ug/l	88
56) Ethyl methacrylate	8.74	69	3061	20.40	ug/l #	75
57) 1,3-Dichloropropane	8.99	76	6196	19.91	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.77	63	4367	100.81	ug/l	100
59) 2-Hexanone	9.62	43	9587	100.93	ug/l	99
60) Dibromochloromethane	8.86	129	5277	17.72	ug/l	73
61) 1,2-Dibromoethane	9.13	107	3540	19.23	ug/l #	64
64) Tetrachloroethene	8.30	164	15901	21.55	ug/l	87
65) Chlorobenzene	9.93	112	24299	20.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	8482	21.01	ug/l	92
67) Ethyl Benzene	10.03	91	54063	19.75	ug/l	97
68) m/p-Xylenes	10.27	106	38812	41.35	ug/l	94
69) o-Xylene	10.82	106	15855	19.75	ug/l	89
70) Styrene	10.90	104	19923	20.08	ug/l	95
71) Bromoform	10.89	173	2948	20.04	ug/l	95
73) Isopropylbenzene	11.22	105	69343	22.49	ug/l	100
74) N-amyl acetate	11.46	43	4620	20.02	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.78	83	4427	21.41	ug/l	77
76) 1,2,3-Trichloropropane	11.88	75	3795	21.40	ug/l	85
77) Bromobenzene	11.59	156	8353	18.61	ug/l	64
78) n-propylbenzene	11.69	91	81853	22.06	ug/l	95
79) 2-Chlorotoluene	11.81	91	37441	21.71	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	48378	20.71	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	700	17.13	ug/l	94
82) 4-Chlorotoluene	11.98	91	35397	20.92	ug/l	97
83) tert-Butylbenzene	12.21	119	56463	23.06	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	43381	21.82	ug/l	95
85) sec-Butylbenzene	12.39	105	86678	23.65	ug/l	95
86) p-Isopropyltoluene	12.54	119	59283	21.80	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	19740	20.57	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	17858	20.63	ug/l	95
89) n-Butylbenzene	12.92	91	46642	20.01	ug/l	89
90) Hexachloroethane	12.99	117	12101	20.74	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	13899	18.74	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.71	75	654	18.46	ug/l	77

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ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBSD01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	6036	18.98	ug/l	95
94) Hexachlorobutadiene	14.25	225	14056	21.41	ug/l	93
95) Naphthalene	14.52	128	4572	20.19	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.66	180	4368	17.93	ug/l	91

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

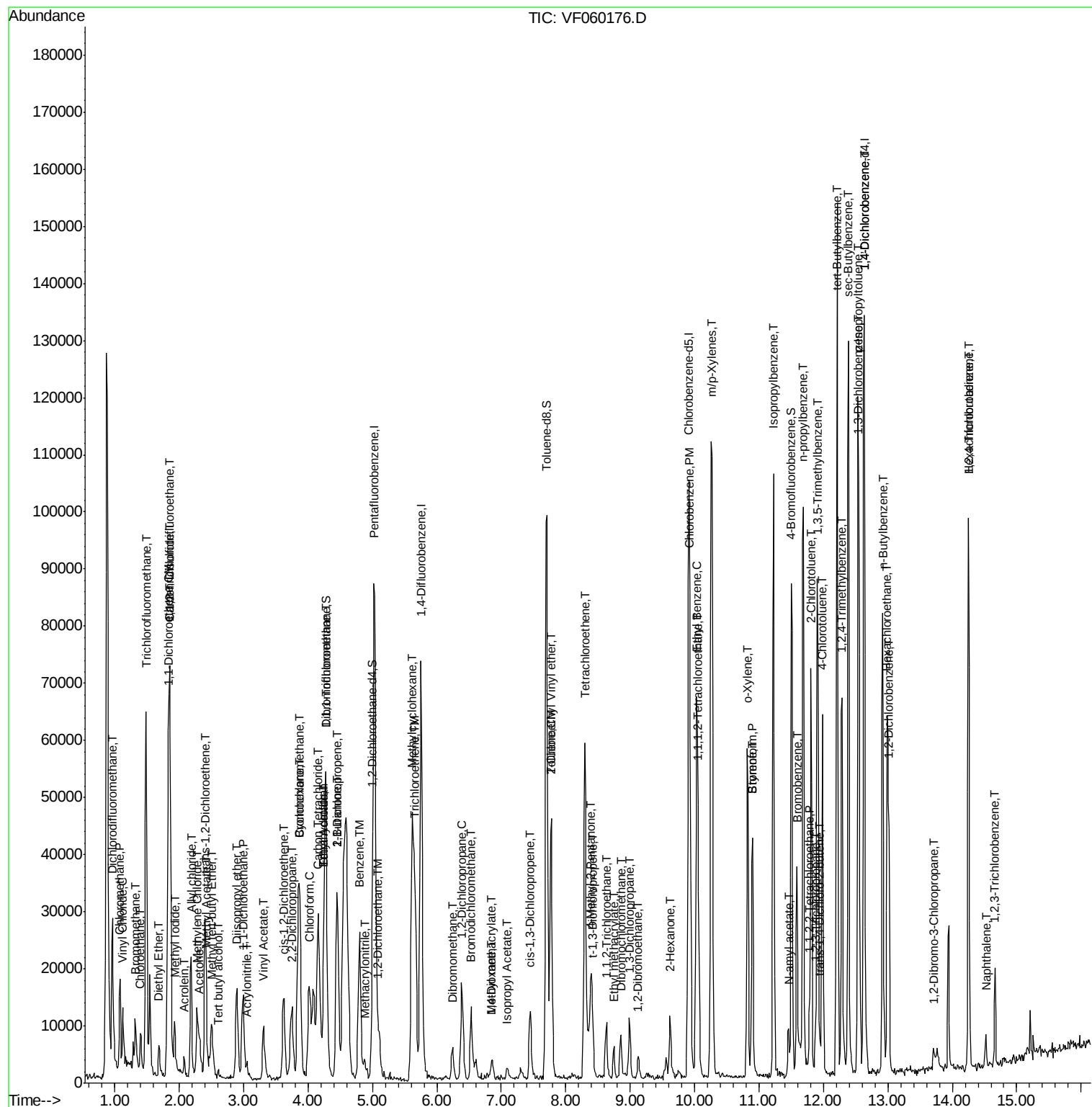
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060176.D
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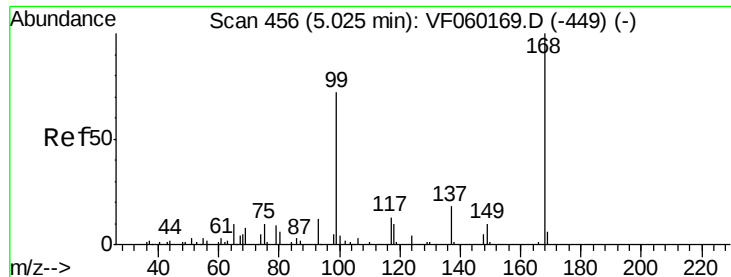
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0829SBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:168 Resp: 71821

Ion Ratio Lower Upper

168 100

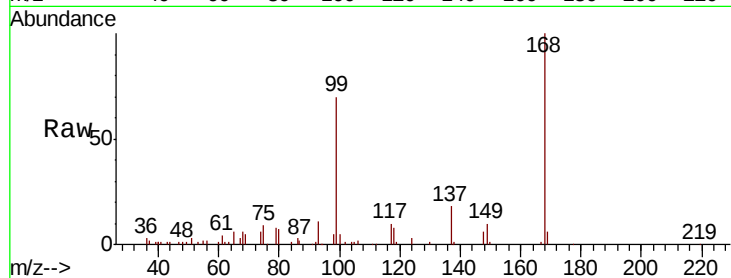
99 69.7 57.9 86.9

Manual Integrations

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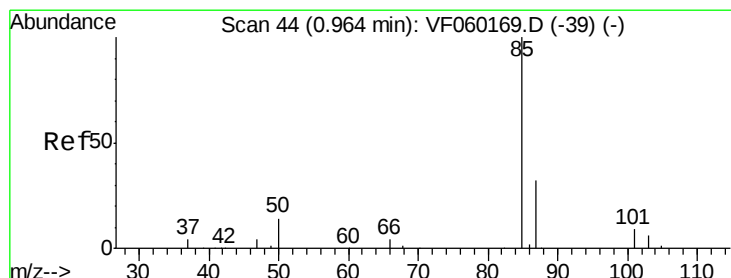
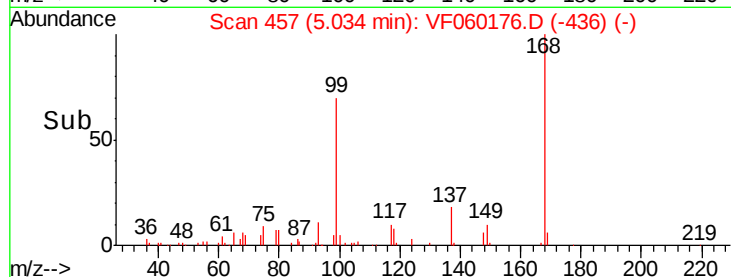
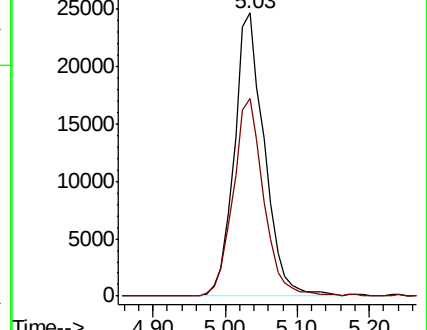
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 18.37 ug/l

RT: 0.96 min Scan# 44

Delta R.T. -0.00 min

Lab File: VF060176.D

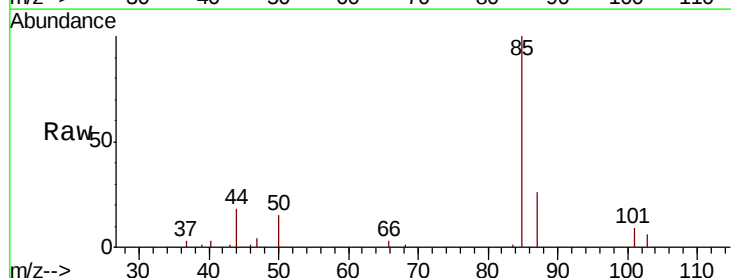
Acq: 29 Aug 2018 5:32

Tgt Ion: 85 Resp: 27150

Ion Ratio Lower Upper

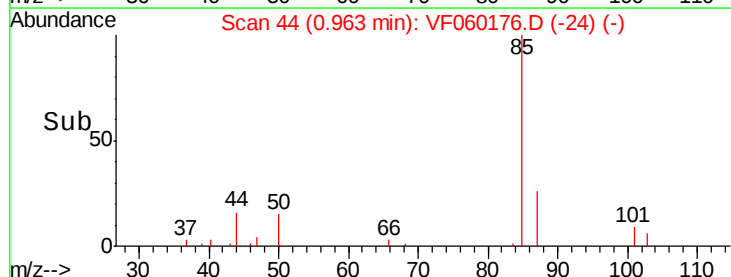
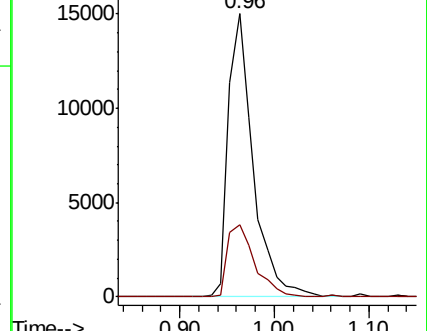
85 100

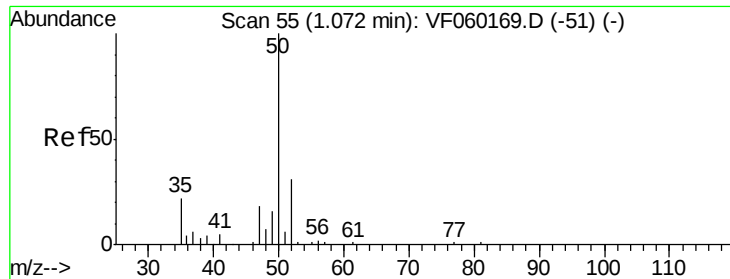
87 25.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 18.38 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 50 Resp: 10127

Ion Ratio Lower Upper

50 100

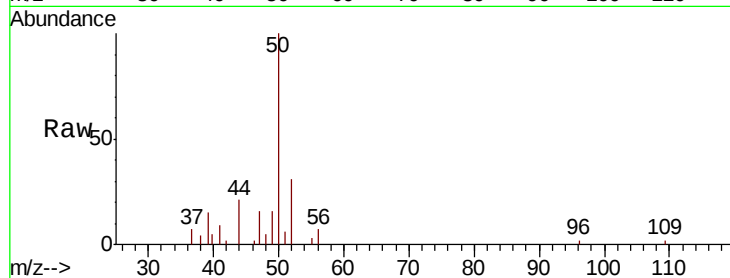
52 31.3 24.4 36.6

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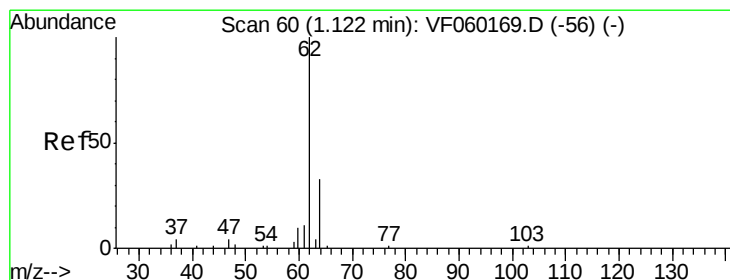
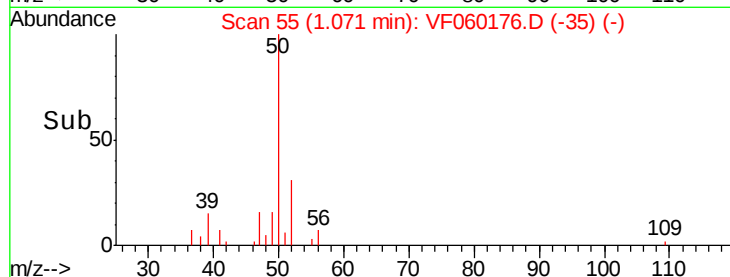
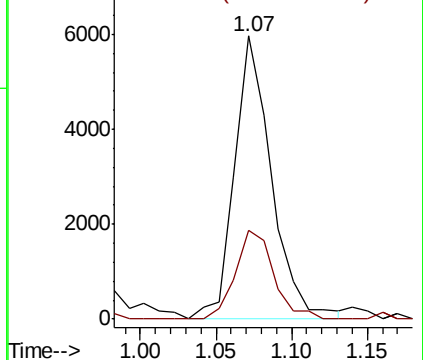
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 17.89 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060176.D

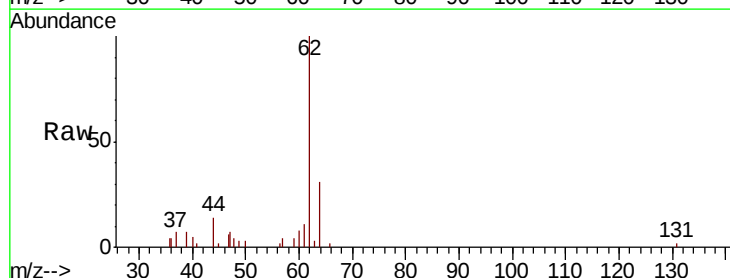
Acq: 29 Aug 2018 5:32

Tgt Ion: 62 Resp: 9876

Ion Ratio Lower Upper

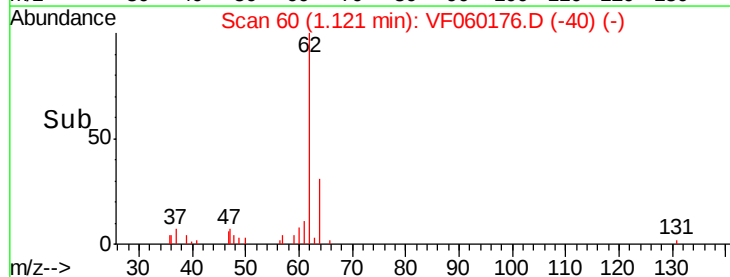
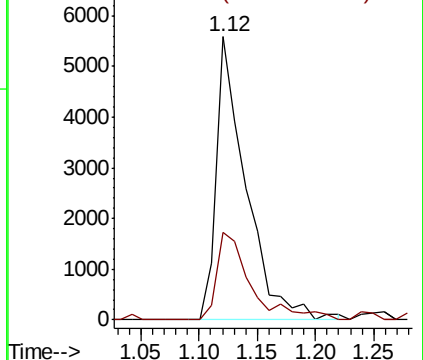
62 100

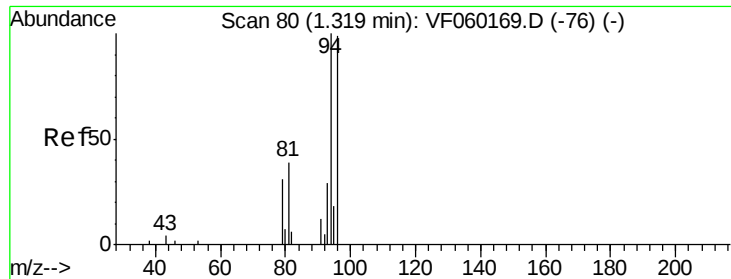
64 30.9 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.04 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

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VF0829SBS01

Tot Ion: 94 Resp: 5530

Ion Ratio Lower Upper

94 100

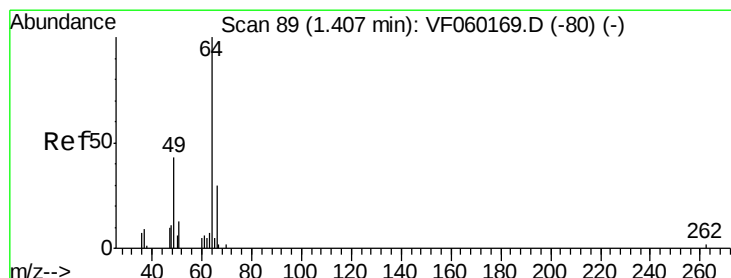
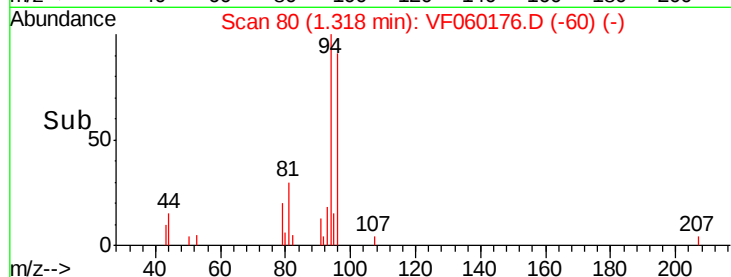
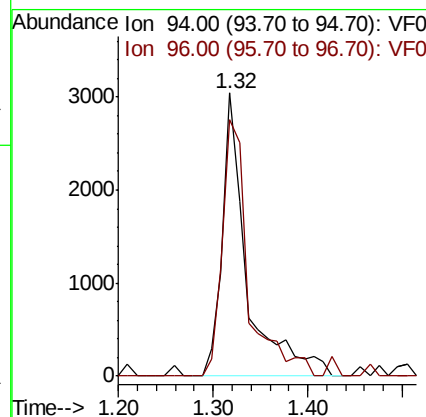
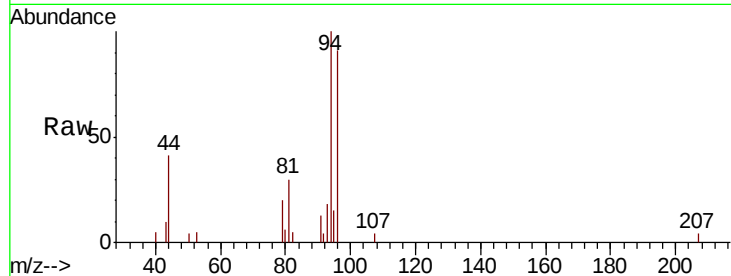
96 90.8 79.0 118.4

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#6

Chloroethane

Concen: 17.55 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF060176.D

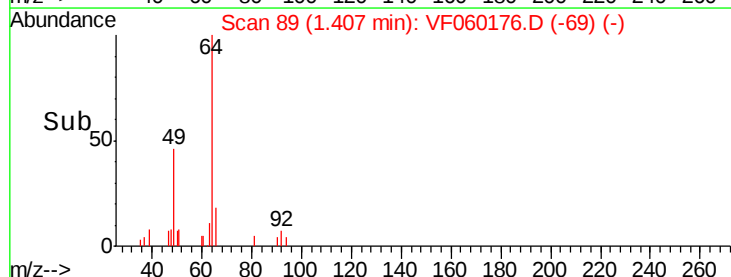
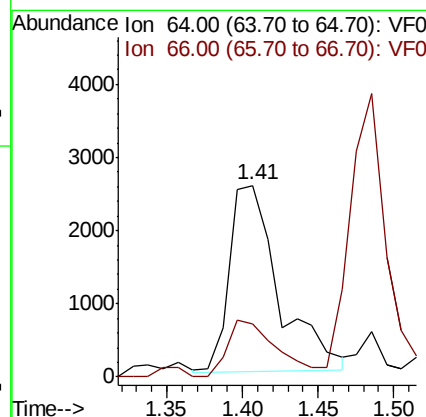
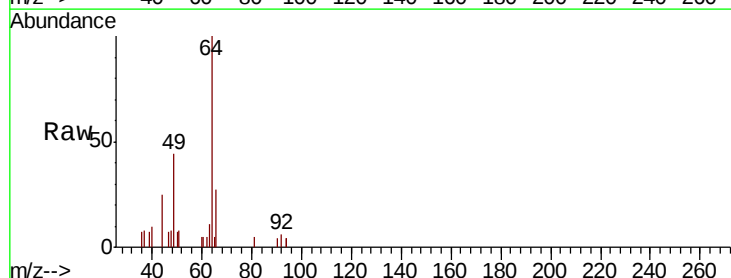
Acq: 29 Aug 2018 5:32

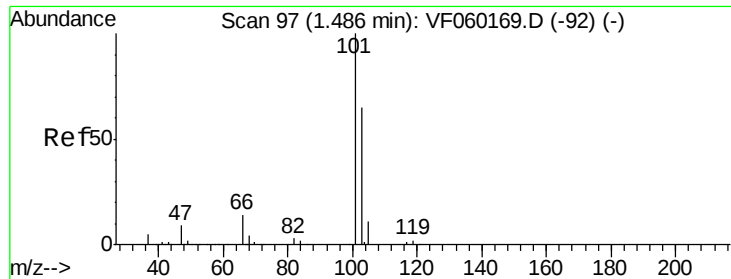
Tgt Ion: 64 Resp: 5794

Ion Ratio Lower Upper

64 100

66 27.3 24.2 36.4





#7

Trichlorofluoromethane

Concen: 19.03 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:101 Resp: 48072

Ion Ratio Lower Upper

101 100

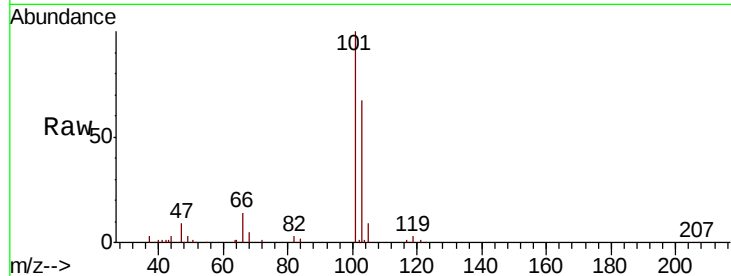
103 68.1 51.8 77.6

Manual Integrations

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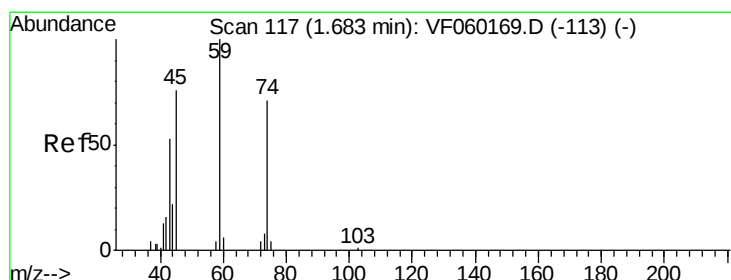
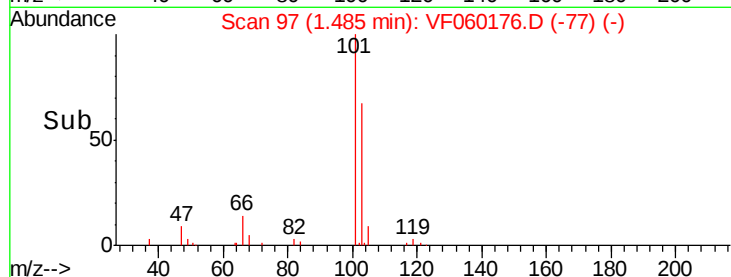
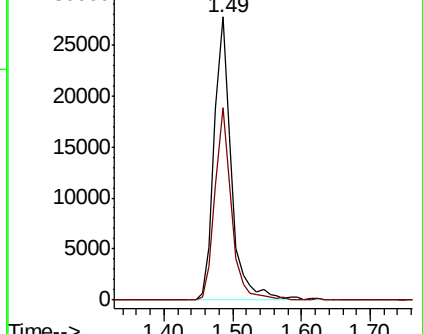
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.32 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF060176.D

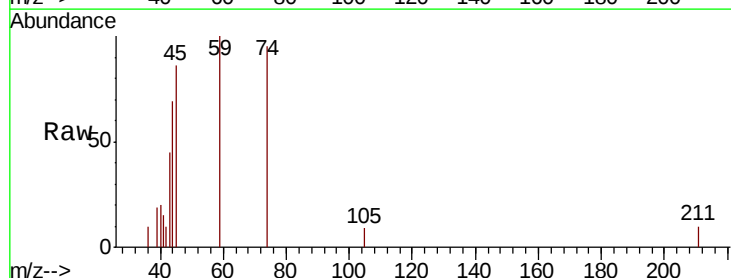
Acq: 29 Aug 2018 5:32

Tgt Ion: 74 Resp: 1824

Ion Ratio Lower Upper

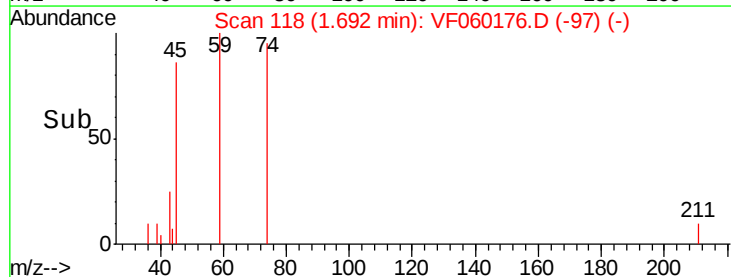
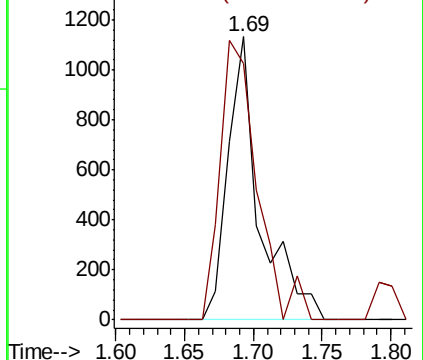
74 100

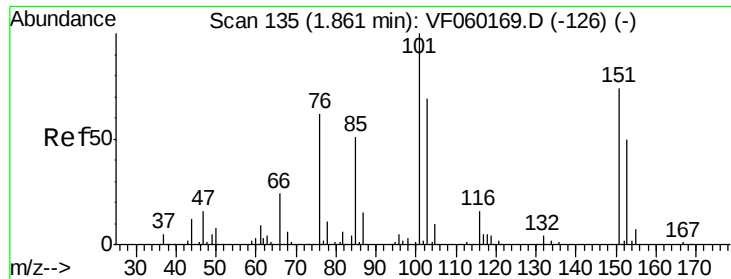
45 90.8 53.5 160.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.78 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

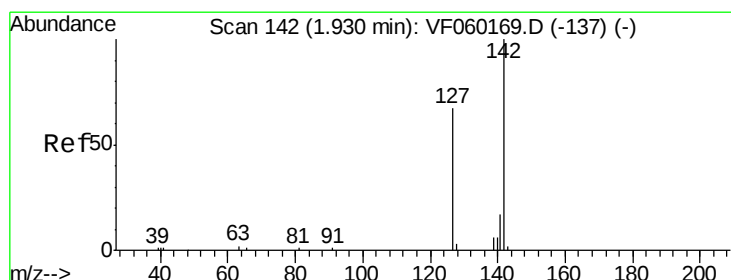
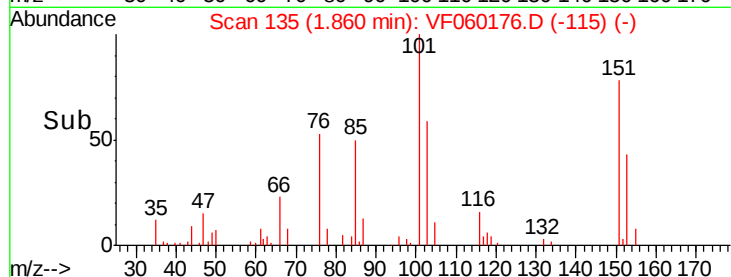
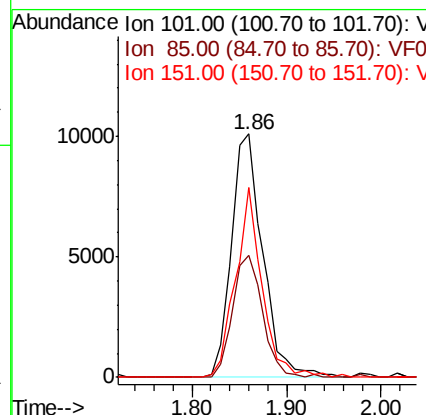
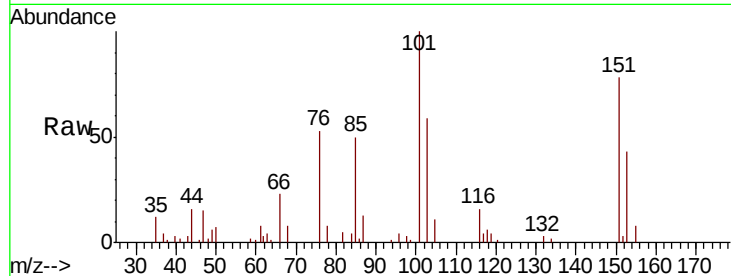
ClientSampleId :

VF0829SBS01

Tot Ion:	101	Resp:	23095
Ion Ratio	Lower	Upper	
101	100		
85	50.3	42.2	63.2
151	77.7	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 16.34 ug/l

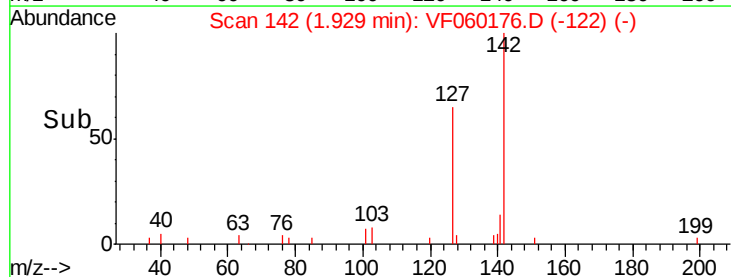
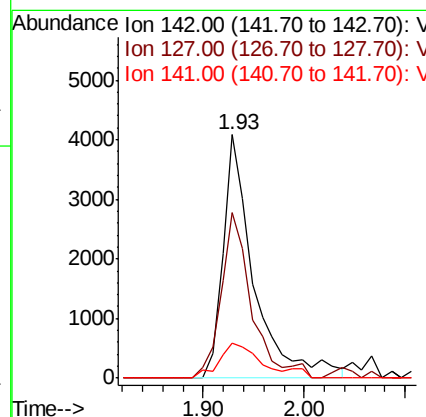
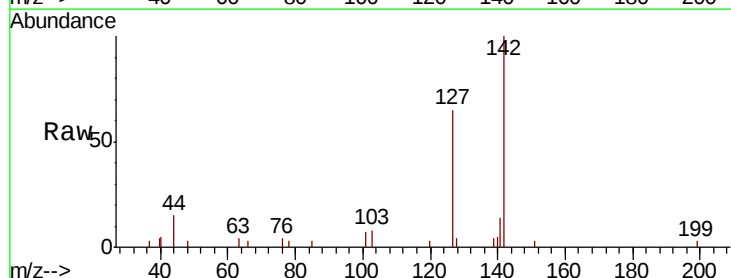
RT: 1.93 min Scan# 142

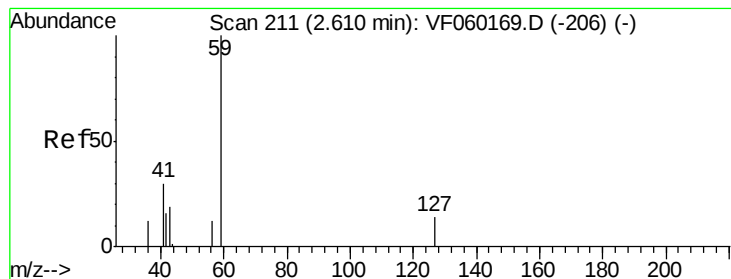
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	142	Resp:	8708
Ion Ratio	Lower	Upper	
142	100		
127	68.1	53.9	80.9
141	14.1	13.4	20.2





#11

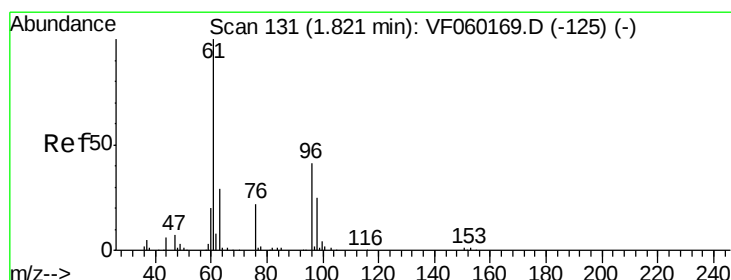
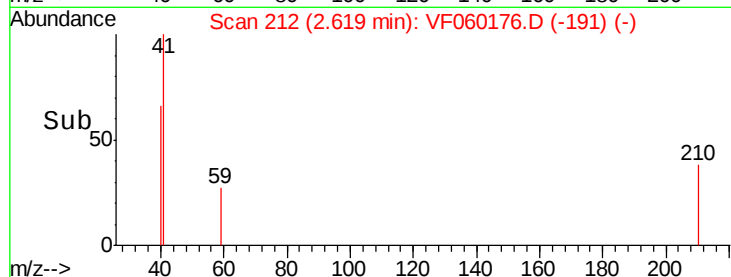
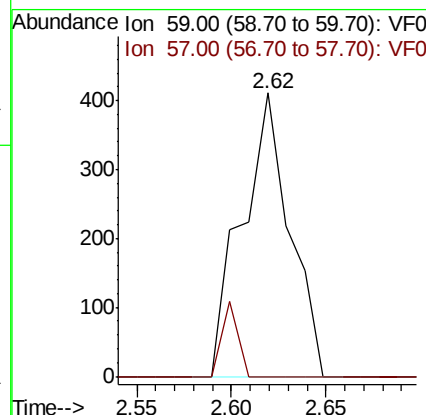
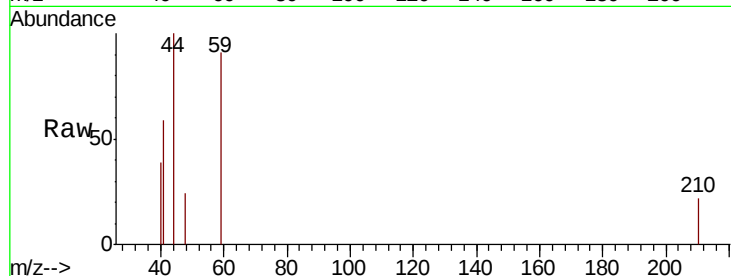
Tert butyl alcohol
 Concen: 107.82 ug/l
 RT: 2.62 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.9	17.9#

Manual Integrations
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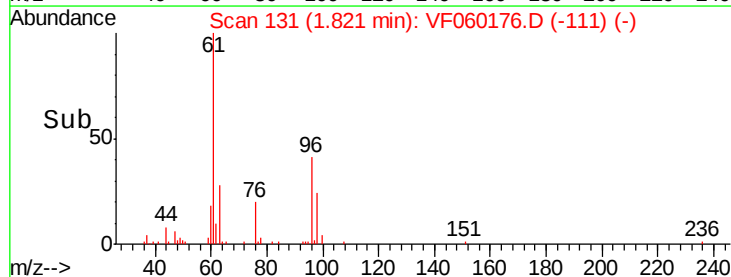
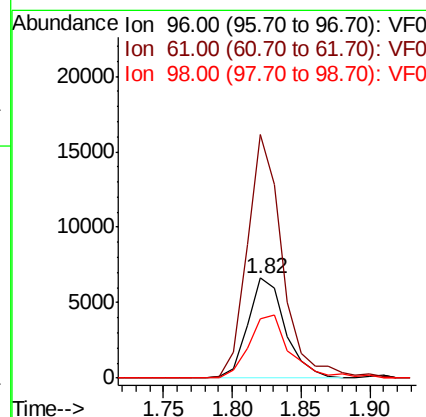
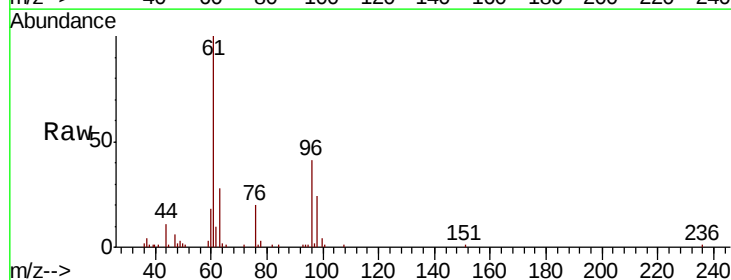
apatel
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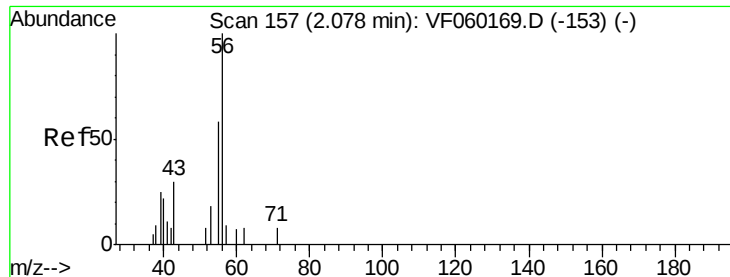


#12

1,1-Dichloroethene
 Concen: 18.16 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	243.0	195.2	292.8
98	58.7	49.0	73.6





#13

Acrolein

Concen: 116.84 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 56 Resp: 1108

Ion Ratio Lower Upper

56 100

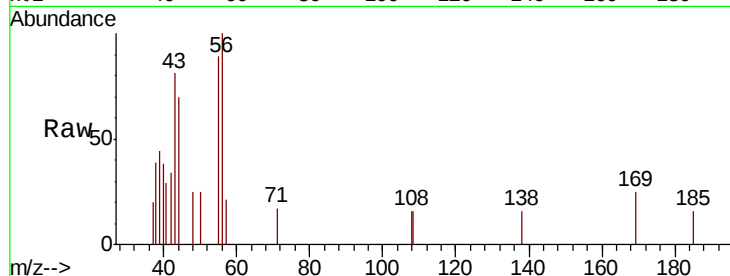
55 89.2 46.4 69.6#

Manual Integrations

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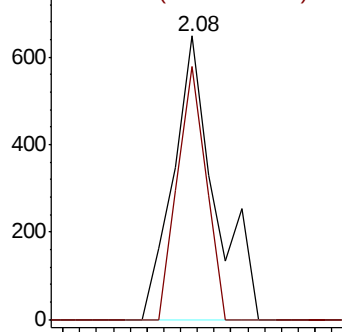
apatel

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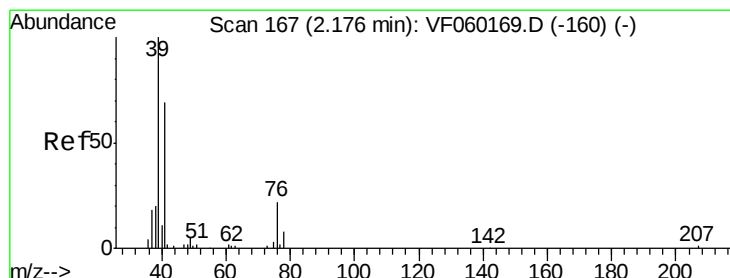
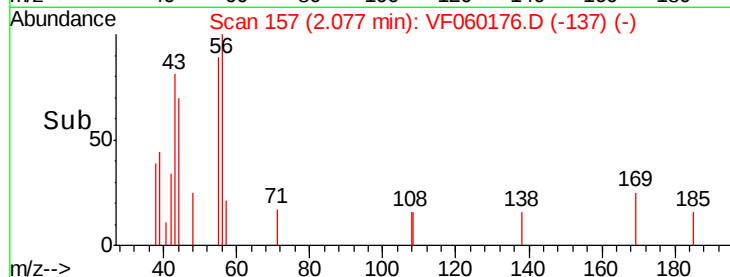


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 2.00 2.05 2.10 2.15



#14

Allyl chloride

Concen: 18.80 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

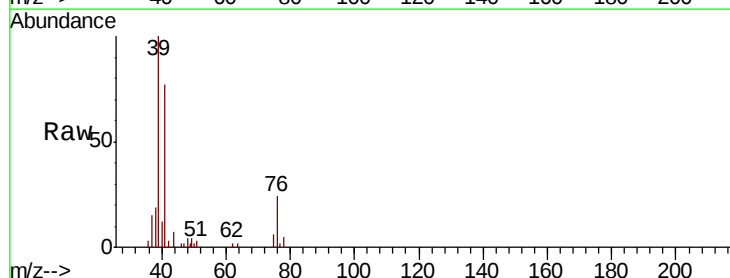
Tgt Ion: 41 Resp: 10818

Ion Ratio Lower Upper

41 100

39 130.6 117.8 176.6

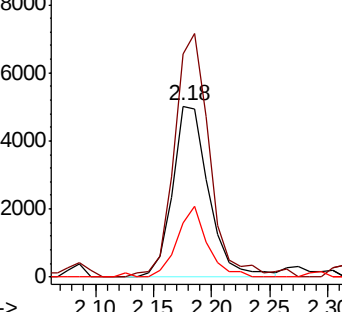
76 31.9 25.9 38.9



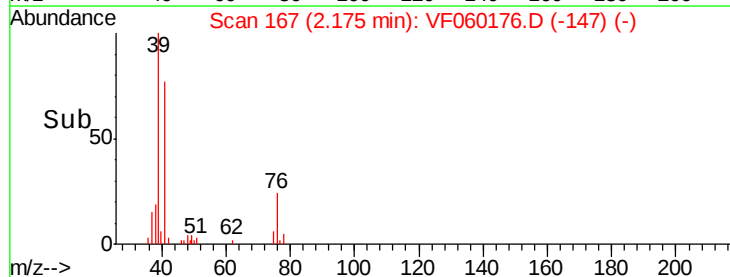
Abundance Ion 41.00 (40.70 to 41.70): VF0

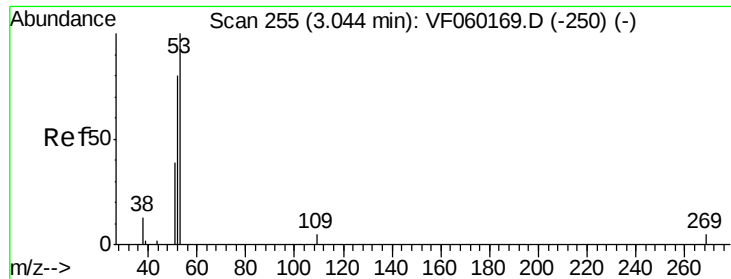
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time--> 2.10 2.15 2.20 2.25 2.30





#15

Acrylonitrile

Concen: 103.97 ug/l

RT: 3.05 min Scan# 256

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

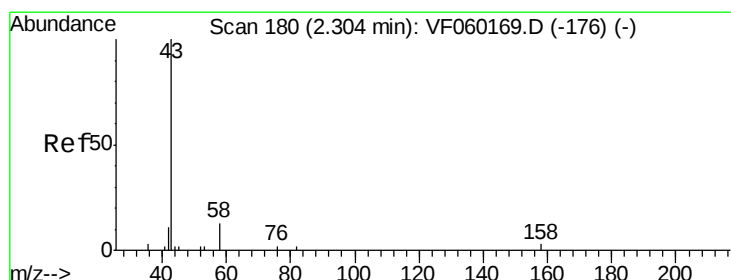
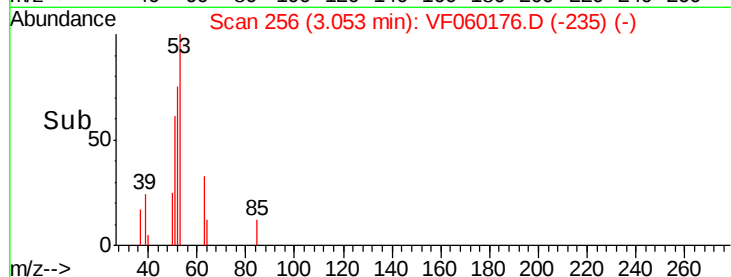
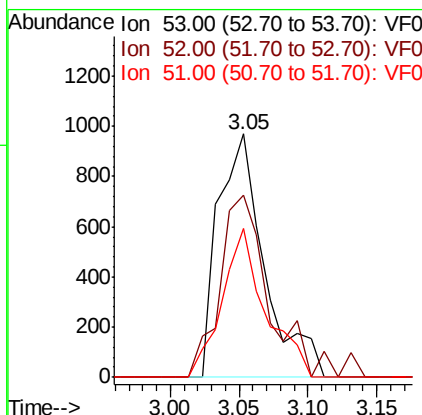
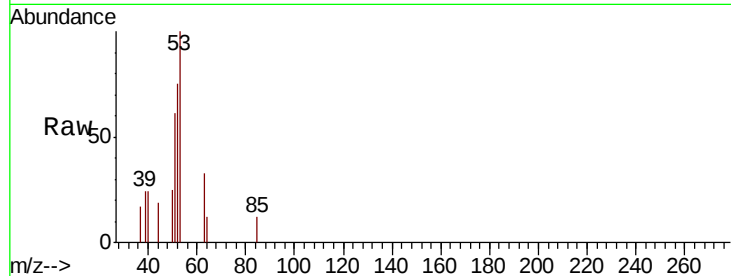
ClientSampleId :

VF0829SBS01

Tot Ion:	53	Resp:	2267
Ion Ratio	Lower	Upper	
53	100		
52	74.7	64.4	96.6
51	61.0	31.0	46.4#

Manual Integrations
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#16

Acetone

Concen: 85.50 ug/l

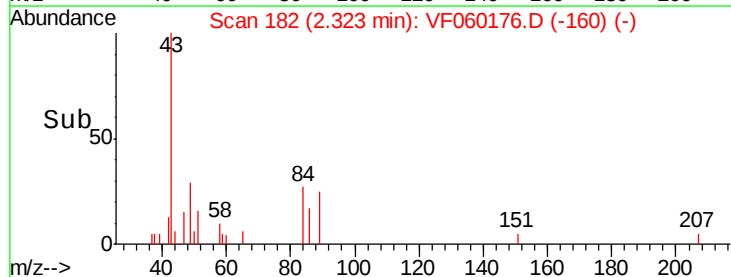
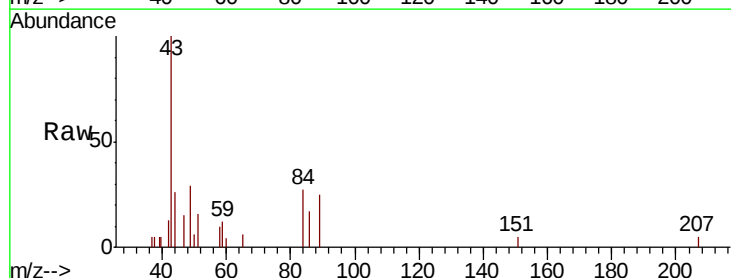
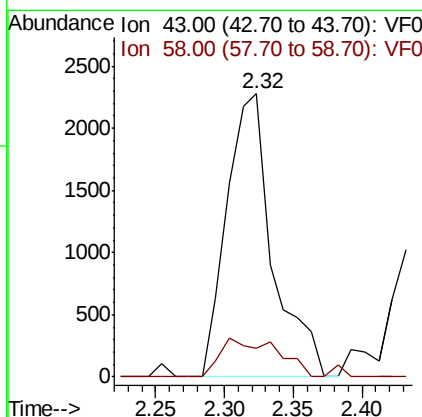
RT: 2.32 min Scan# 182

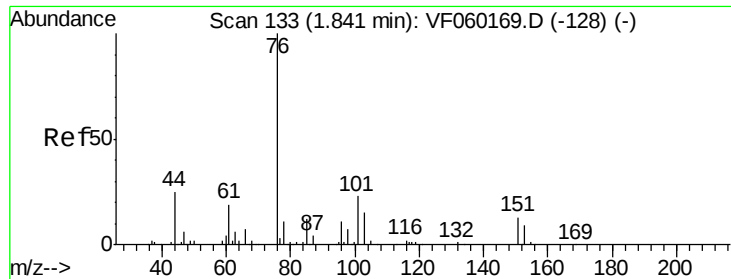
Delta R.T. 0.02 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	43	Resp:	5280
Ion Ratio	Lower	Upper	
43	100		
58	9.9	10.7	16.1#





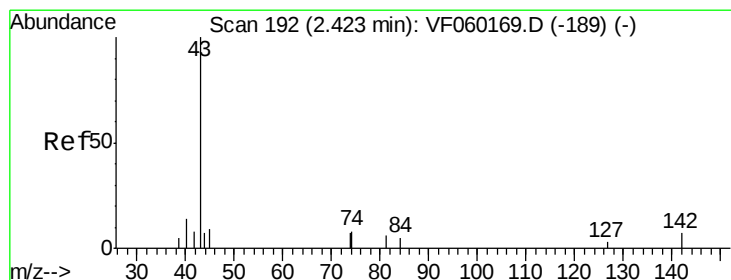
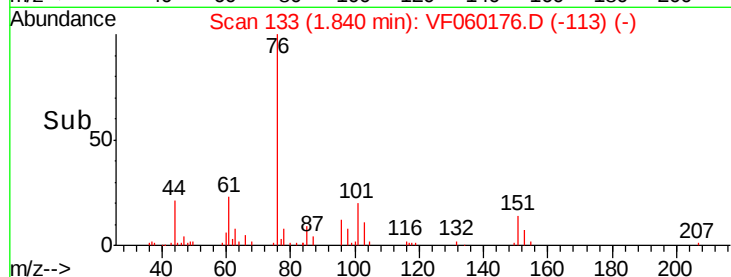
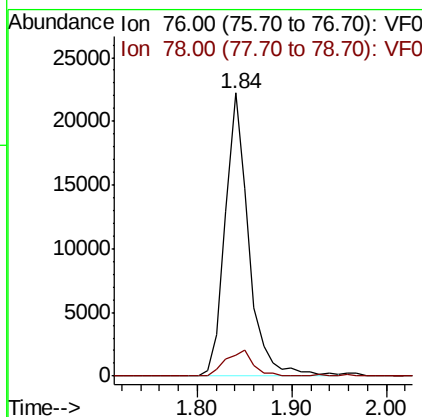
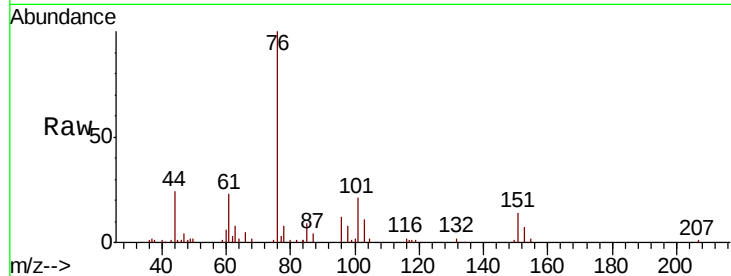
#17
Carbon Disulfide
Concen: 18.81 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	8.6	12.8#

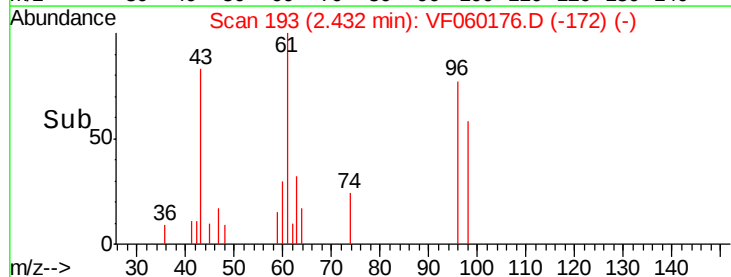
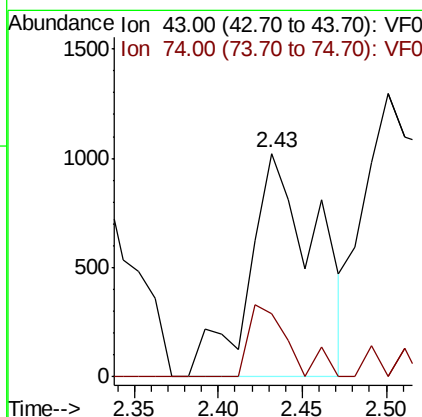
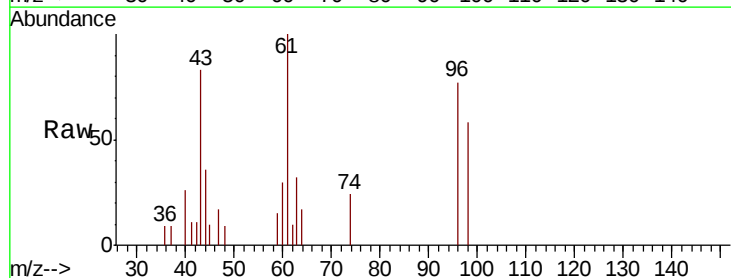
Manual Integrations
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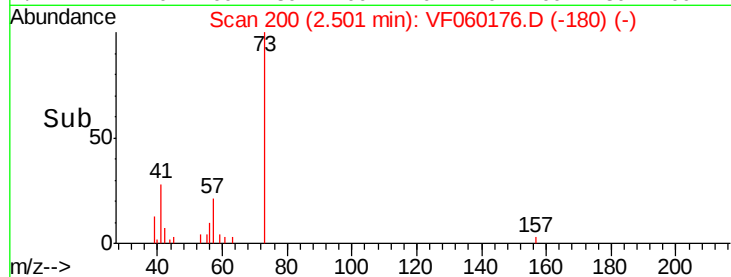
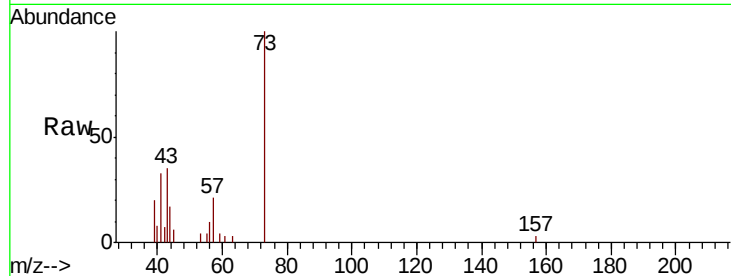
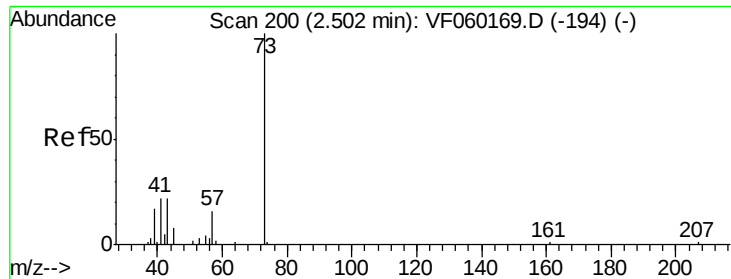
apatel
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#18
Methyl Acetate
Concen: 31.37 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	10.6	16.0#





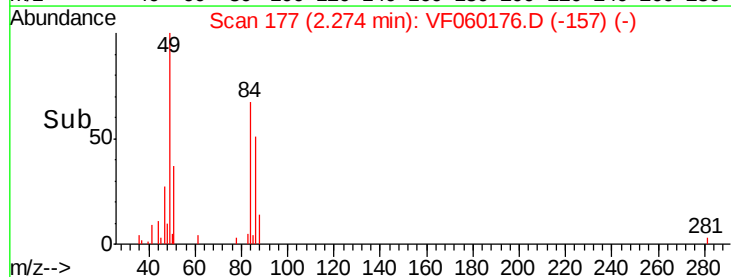
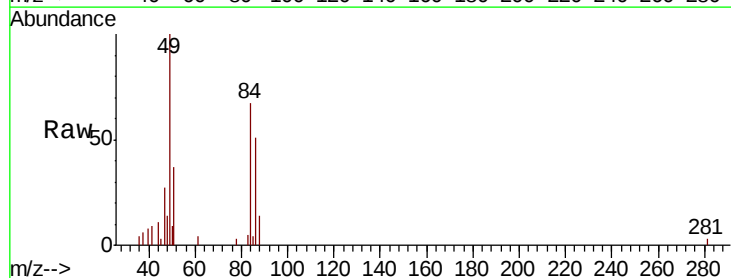
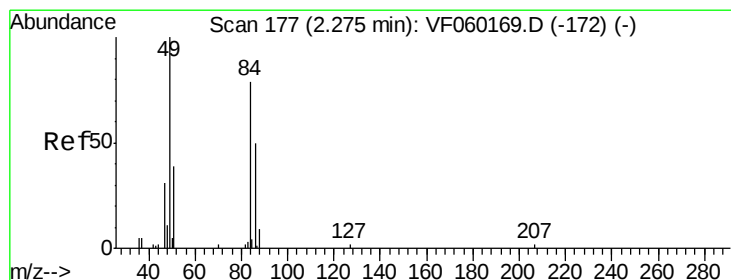
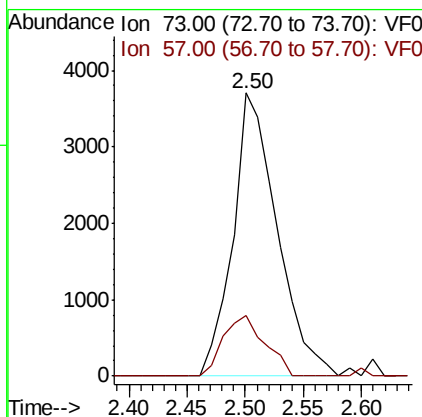
#19
Methvl tert-butvl Ether
Concen: 19.06 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tot Ion: 73 Resp: 9730
Ion Ratio Lower Upper
73 100
57 21.2 13.0 19.4#

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

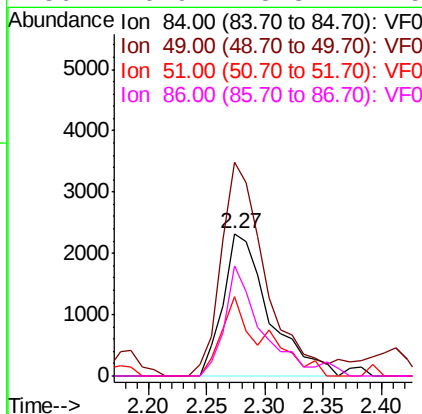
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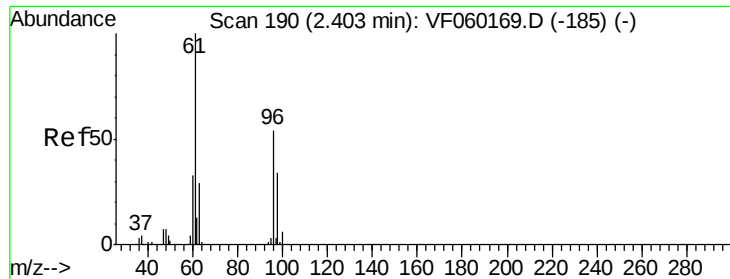
apatel
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#20
Methylene Chloride
Concen: 15.63 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion: 84 Resp: 6353
Ion Ratio Lower Upper
84 100
49 149.8 97.0 145.4#
51 55.5 38.2 57.2
86 76.9 48.3 72.5#





#21

trans-1,2-Dichloroethene

Concen: 18.54 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

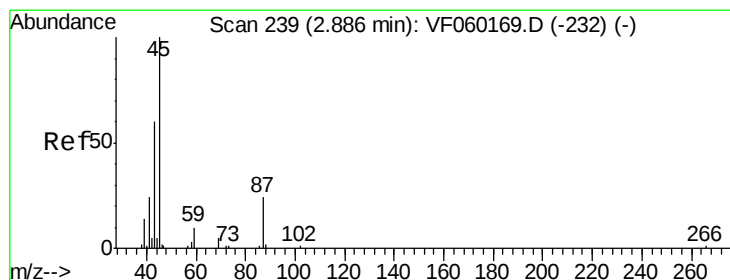
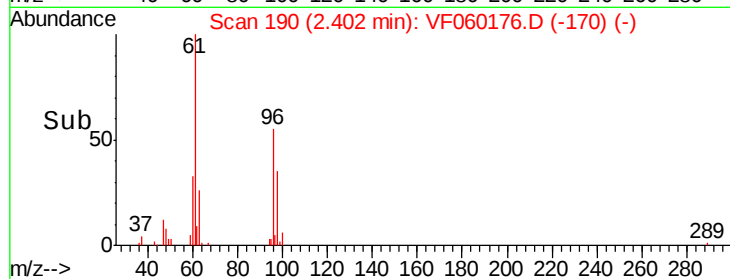
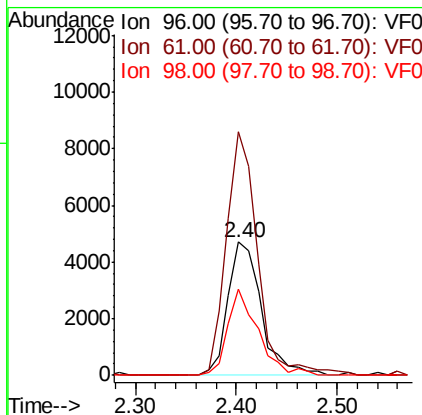
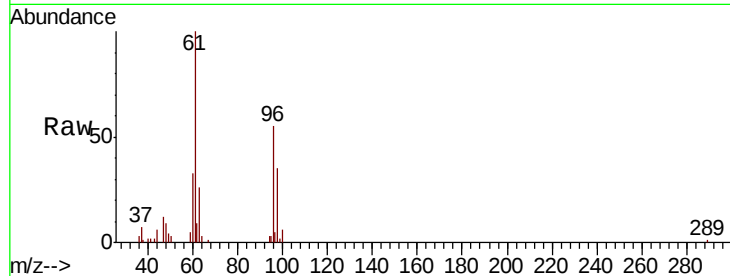
ClientSampleId :

VF0829SBS01

Tot Ion:	96	Resp:	10847
Ion	Ratio	Lower	Upper
96	100		
61	167.9	148.6	222.8
98	59.2	50.4	75.6

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#22

Diisopropyl ether

Concen: 18.32 ug/l

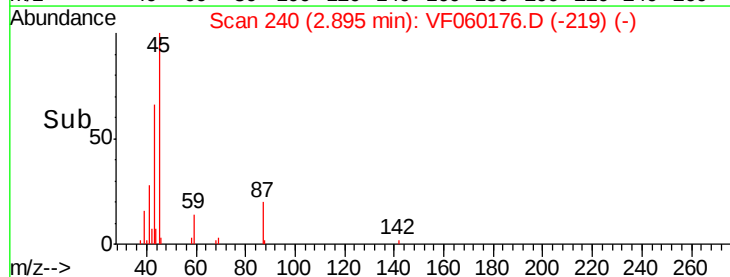
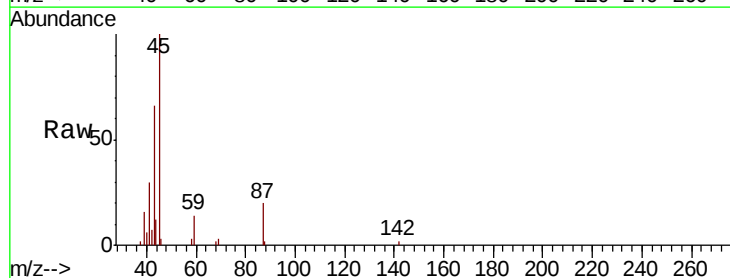
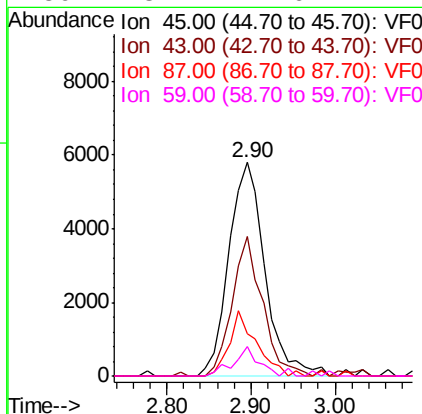
RT: 2.90 min Scan# 240

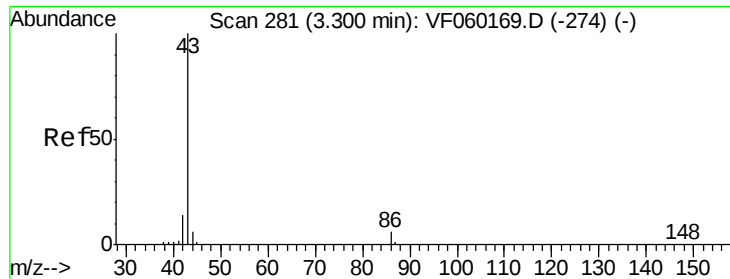
Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	45	Resp:	17348
Ion	Ratio	Lower	Upper
45	100		
43	65.6	48.0	72.0
87	19.7	18.9	28.3
59	13.7	7.6	11.4#





#23

Vinyl Acetate

Concen: 88.89 ug/l

RT: 3.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tot Ion: 43 Resp: 19608

Ion Ratio Lower Upper

43 100

86 6.4 4.9 7.3

Instrument :

MSVOA_F

ClientSampleId :

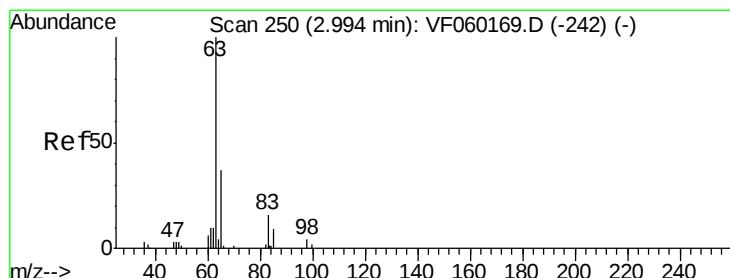
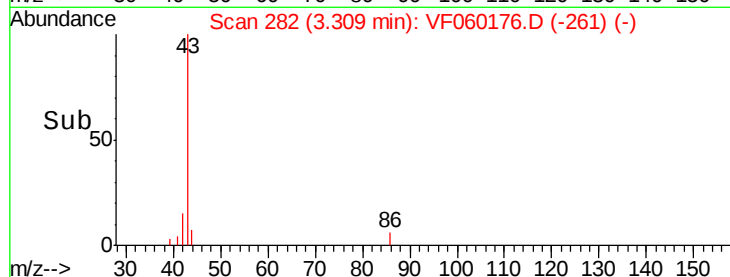
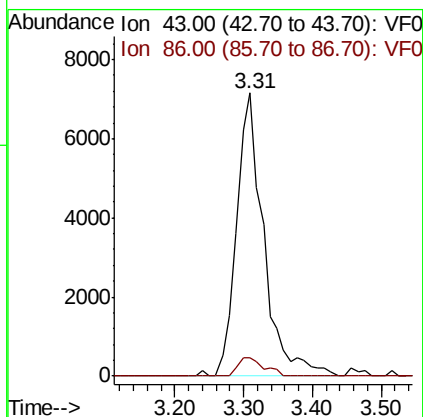
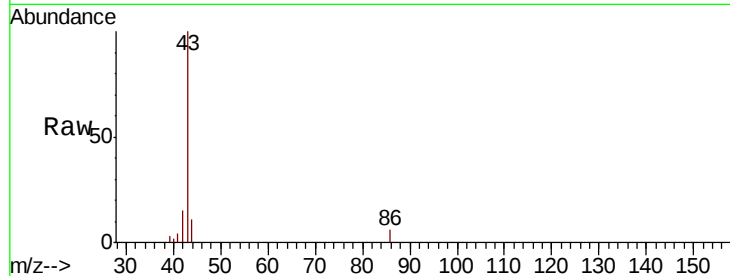
VF0829SBS01

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#24

1,1-Dichloroethane

Concen: 17.69 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

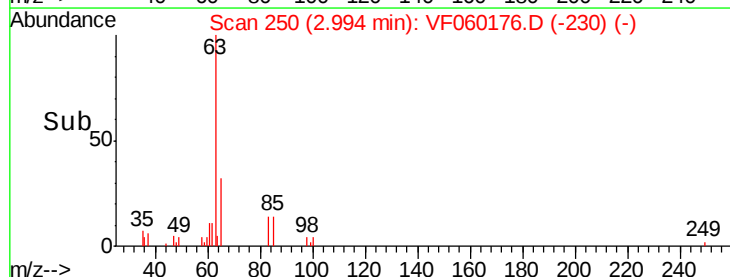
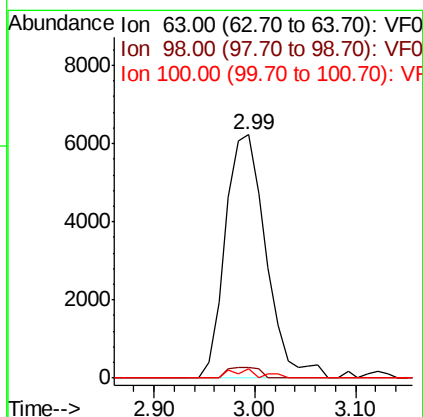
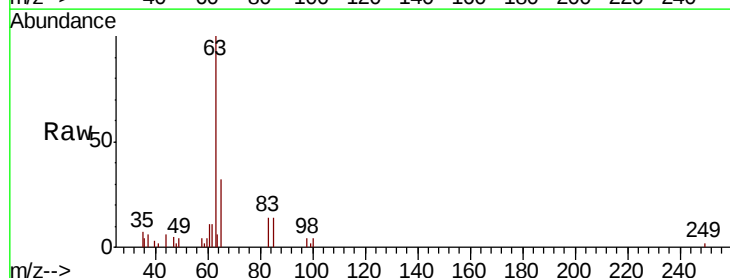
Tgt Ion: 63 Resp: 17441

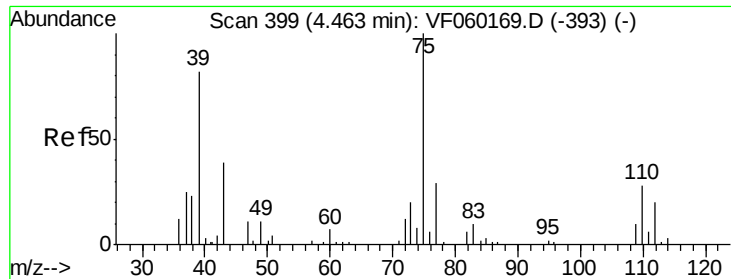
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.3

100 3.7 0.9 2.7#





#25

2-Butanone

Concen: 77.56 ug/l

RT: 4.46 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 43 Resp: 4098

Ion Ratio Lower Upper

43 100

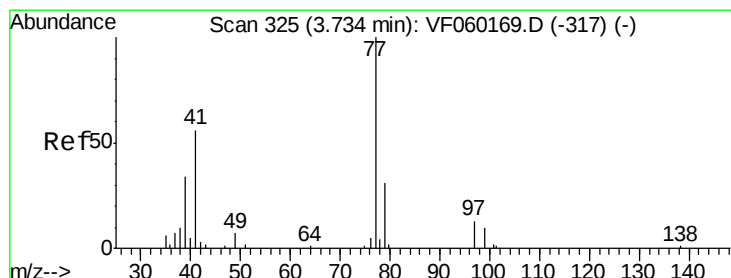
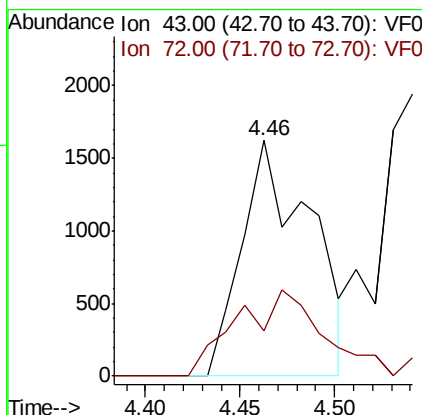
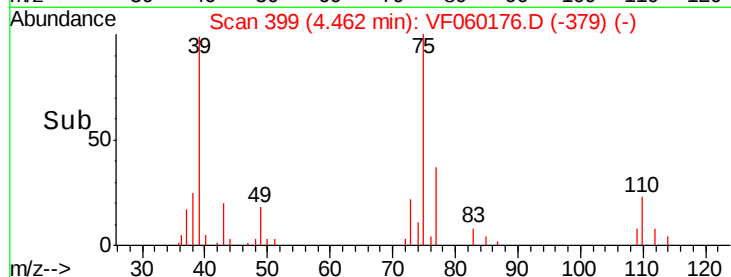
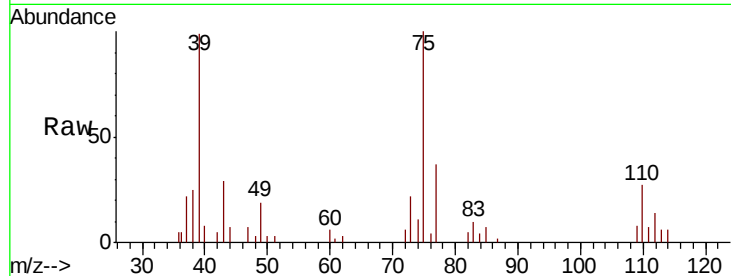
72 19.3 24.2 36.2#

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#26

2,2-Dichloropropane

Concen: 17.91 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VF060176.D

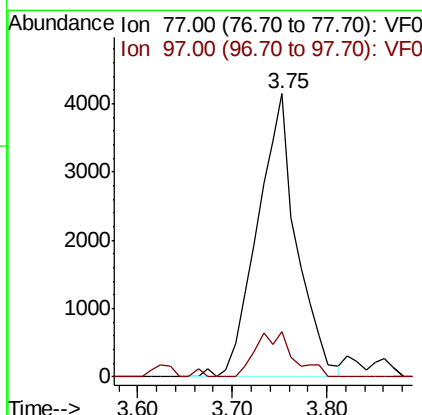
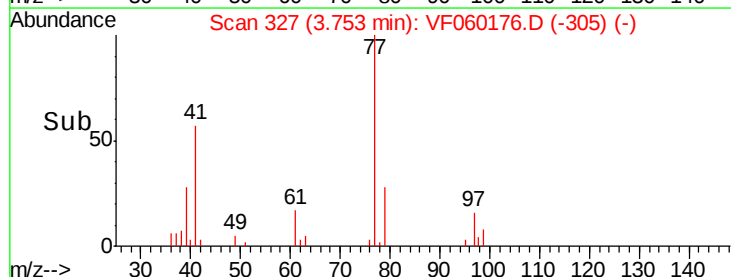
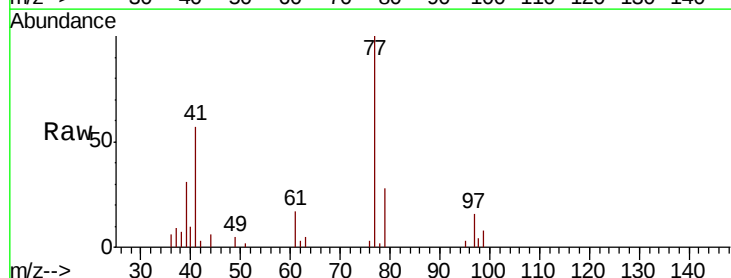
Acq: 29 Aug 2018 5:32

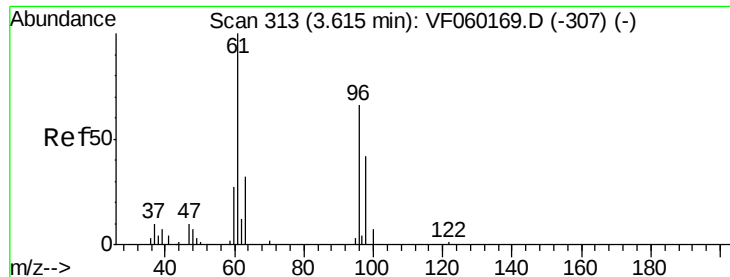
Tgt Ion: 77 Resp: 11949

Ion Ratio Lower Upper

77 100

97 16.0 7.0 21.0





#27

cis-1,2-Dichloroethene

Concen: 19.91 ug/l

RT: 3.61 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

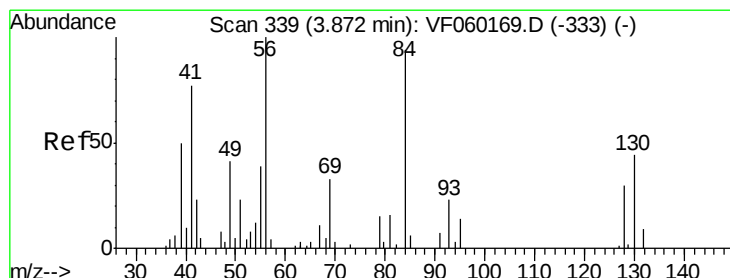
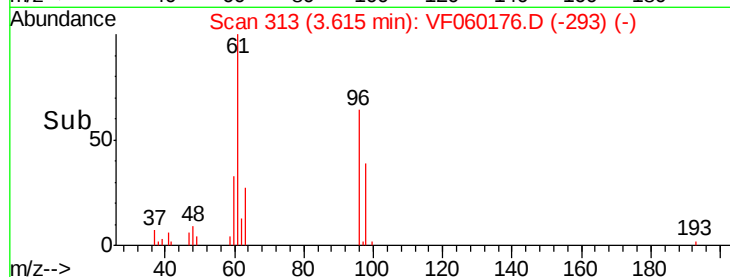
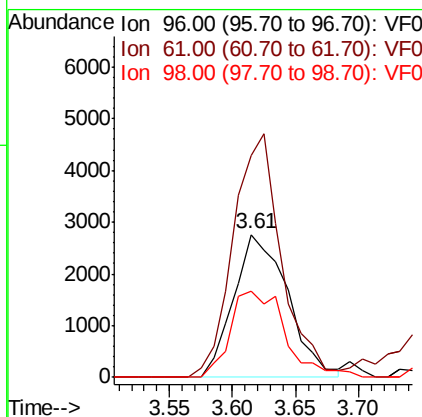
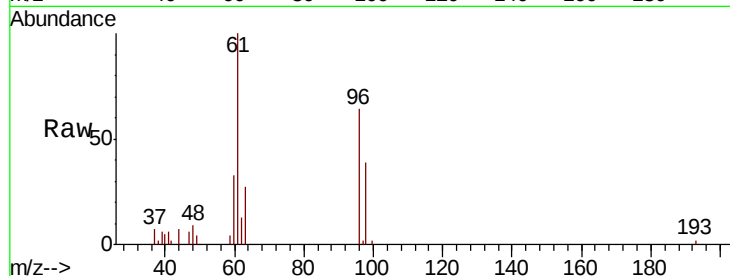
ClientSampleId :

VF0829SBS01

Tot Ion:	96	Resp:	8193
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	303.0
98	60.6	0.0	126.8

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#28

Bromochloromethane

Concen: 18.74 ug/l

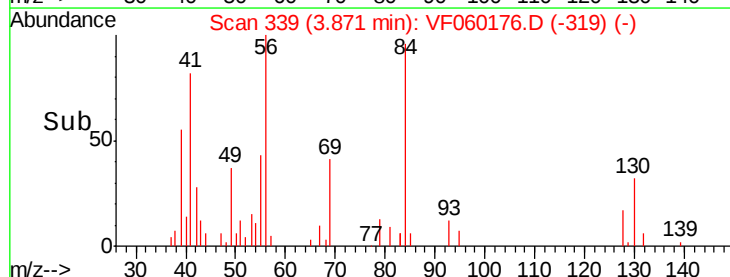
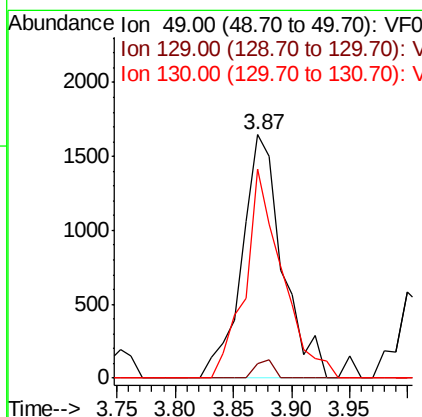
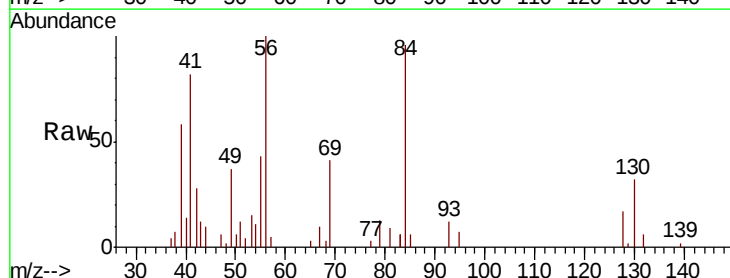
RT: 3.87 min Scan# 339

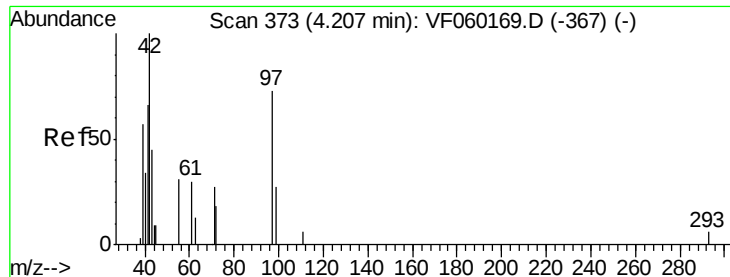
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	49	Resp:	3978
Ion	Ratio	Lower	Upper
49	100		
129	6.2	0.0	8.6
130	85.7	86.0	129.0#





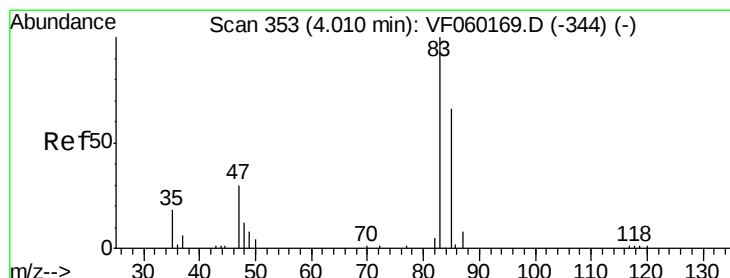
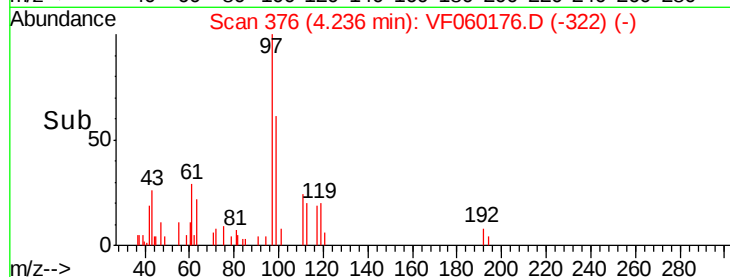
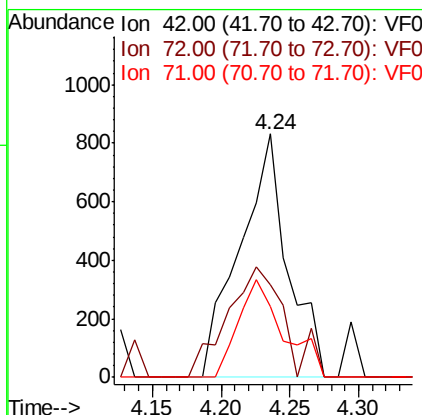
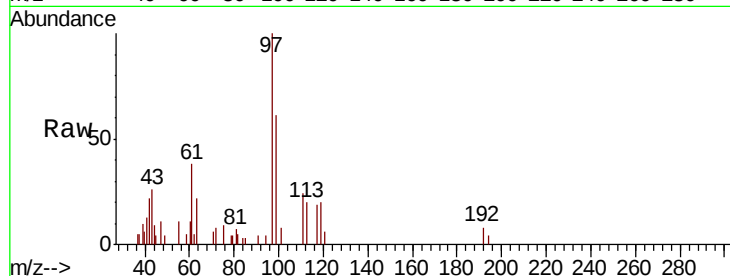
#29
Tetrahydrofuran
Concen: 83.75 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.03 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.7	27.0	40.4#
71	37.6	24.6	36.8#

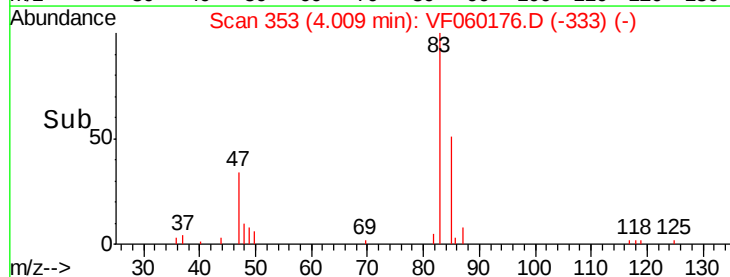
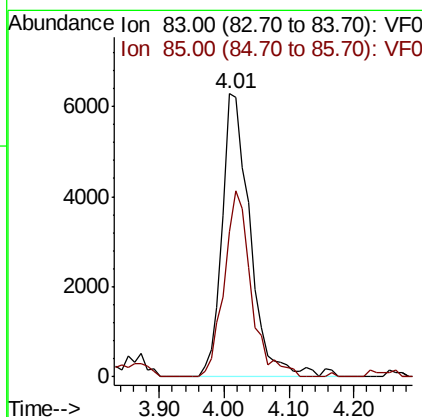
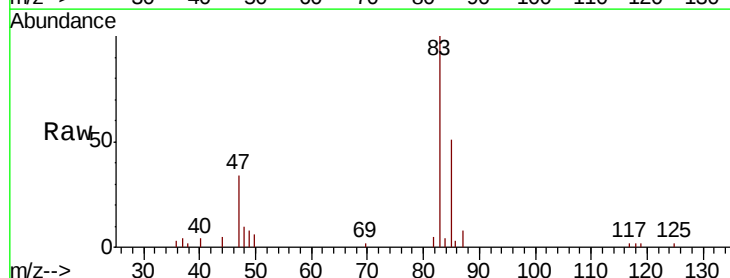
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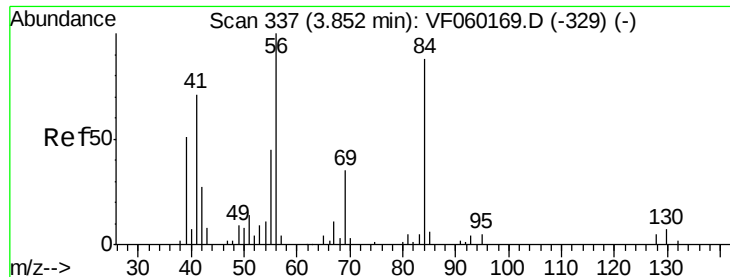
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#30
Chloroform
Concen: 17.30 ug/l m
RT: 4.01 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.2	52.8	79.2#





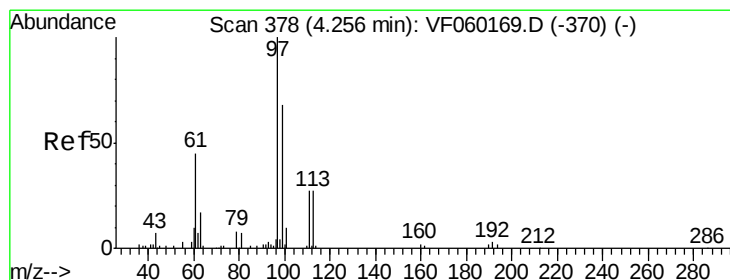
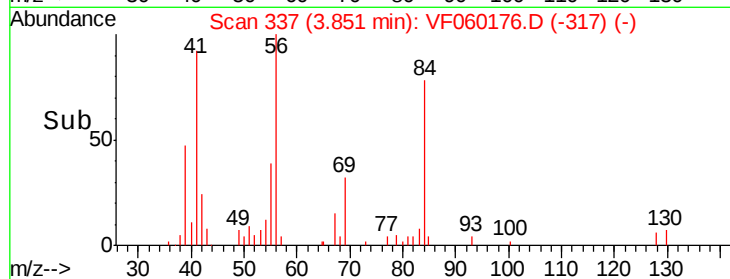
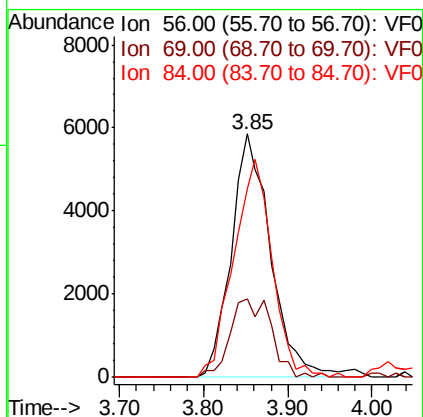
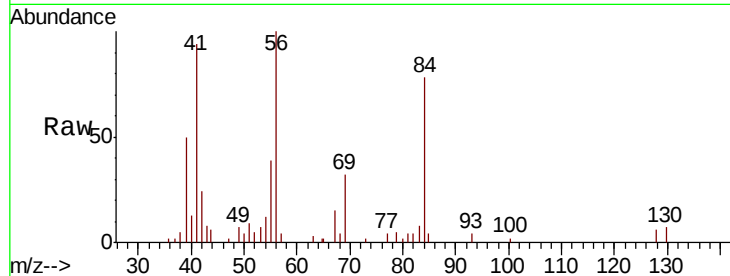
#31
Cyclohexane
Concen: 20.15 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.7	41.5
84	77.6	70.2	105.4

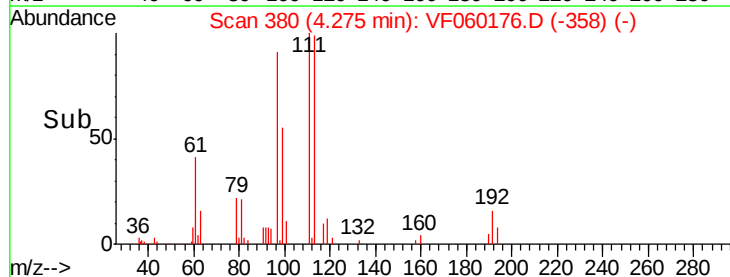
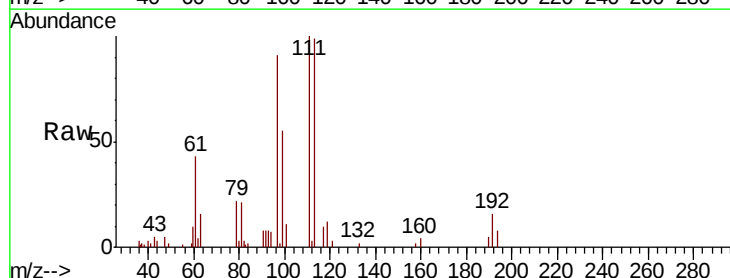
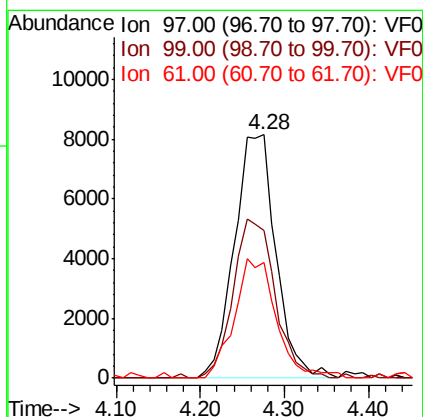
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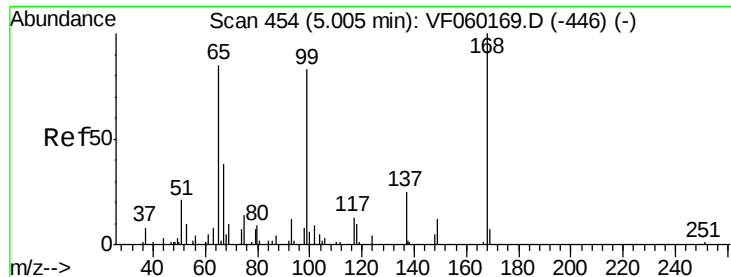
apatel
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#32
1,1,1-Trichloroethane
Concen: 17.81 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	54.4	81.6
61	46.8	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 44.72 ug/l

RT: 4.99 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 65 Resp: 20061

Ion Ratio Lower Upper

65 100

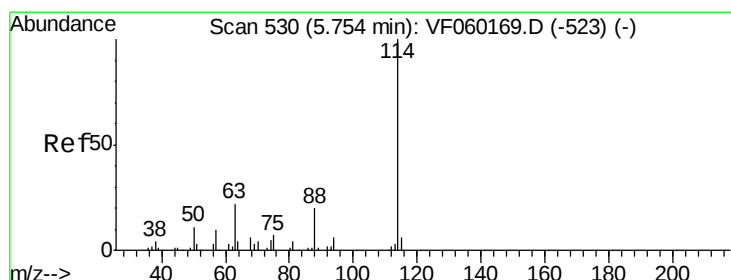
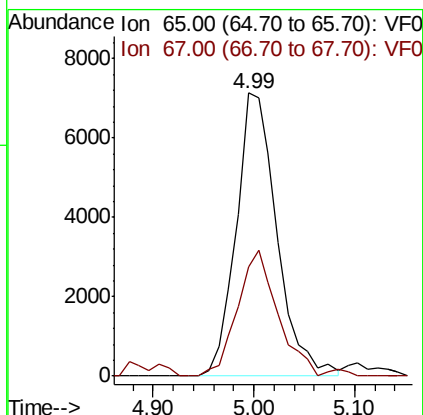
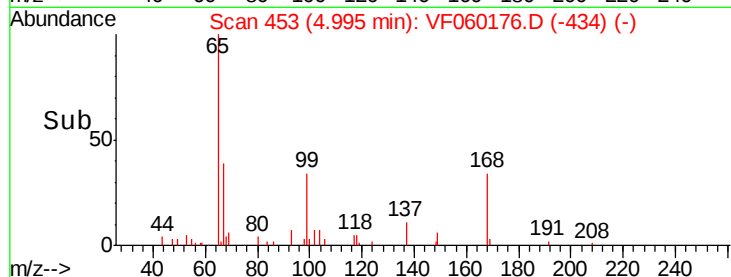
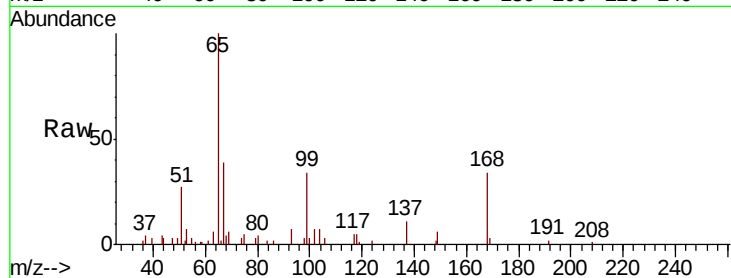
67 38.8 0.0 92.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

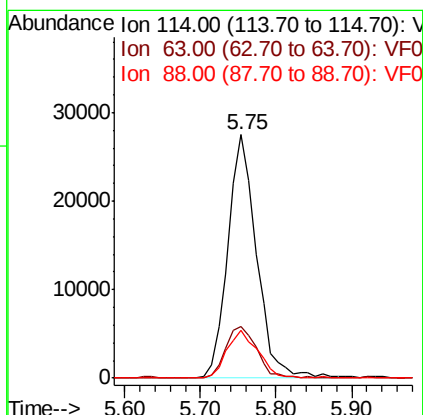
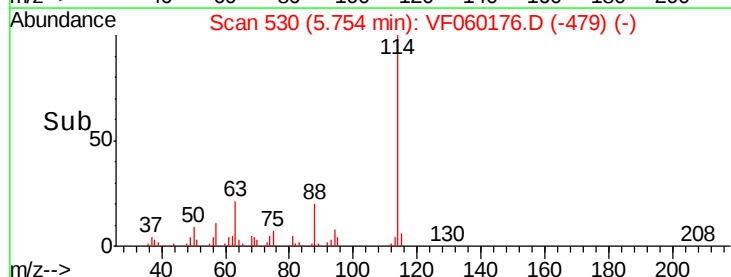
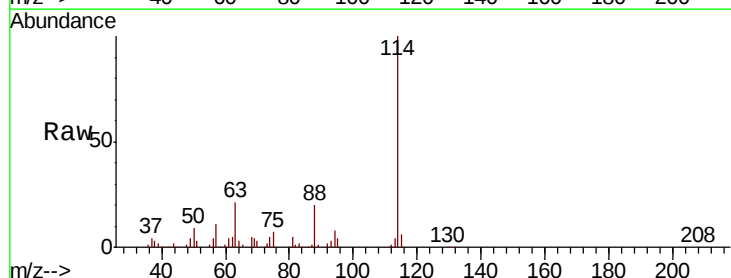
Tgt Ion: 114 Resp: 72258

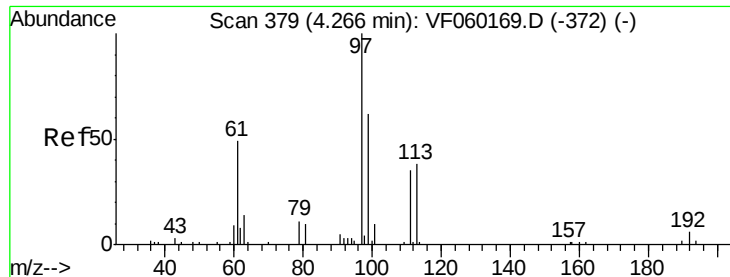
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.8

88 19.7 0.0 40.2





#35

Dibromofluoromethane

Concen: 50.69 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

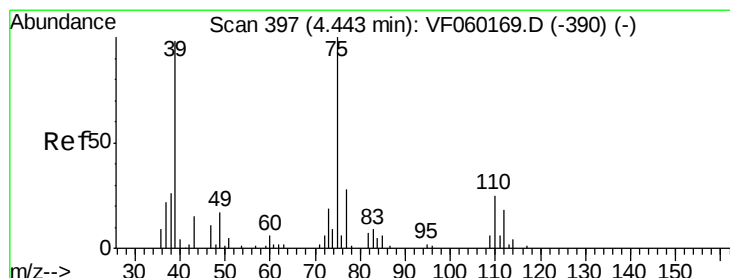
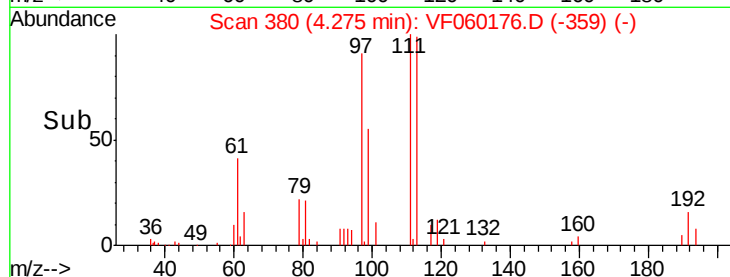
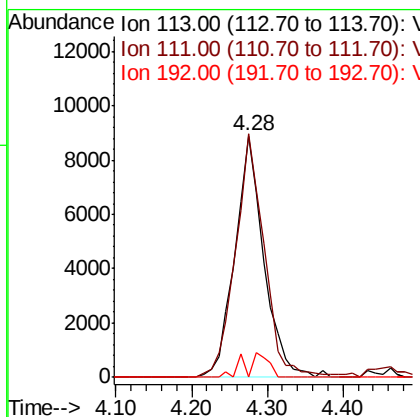
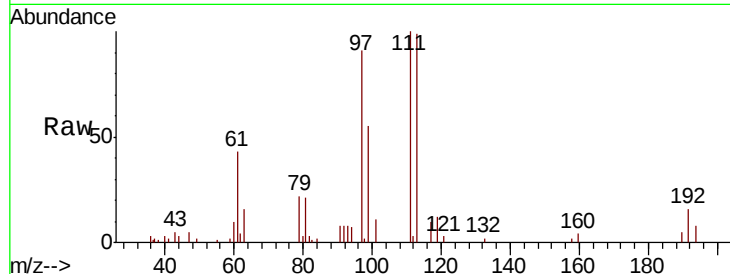
ClientSampleId :

VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.7	75.5	113.3	
192	0.0	12.5	18.7	

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#36

1,1-Dichloropropene

Concen: 19.09 ug/l

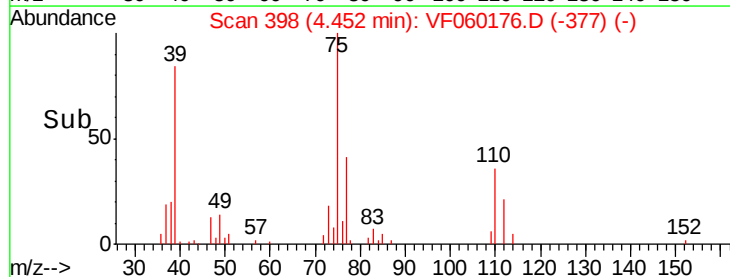
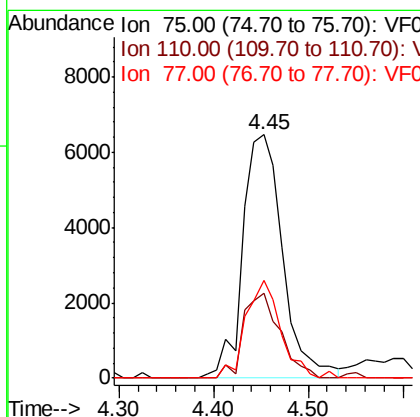
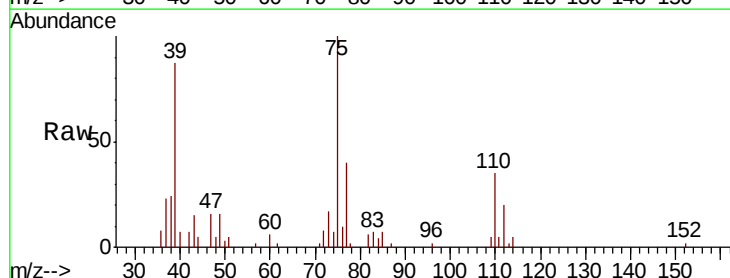
RT: 4.45 min Scan# 398

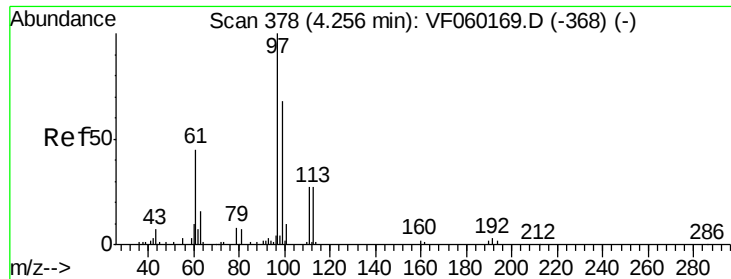
Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.8	12.6	37.6	
77	40.0	22.2	33.4	





#37

Ethyl Acetate

Concen: 26.48 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

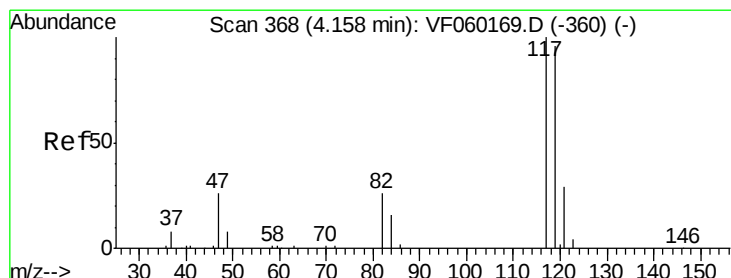
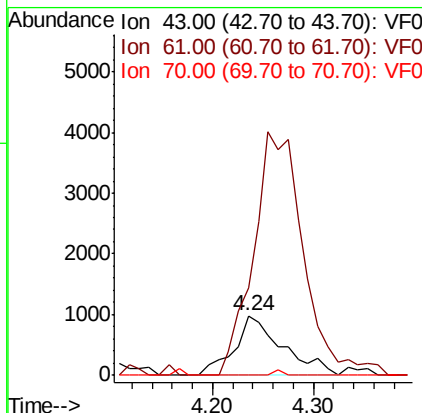
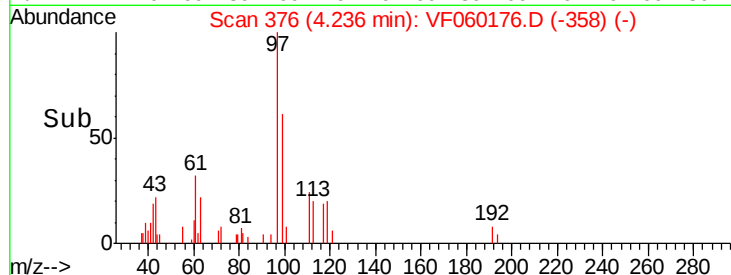
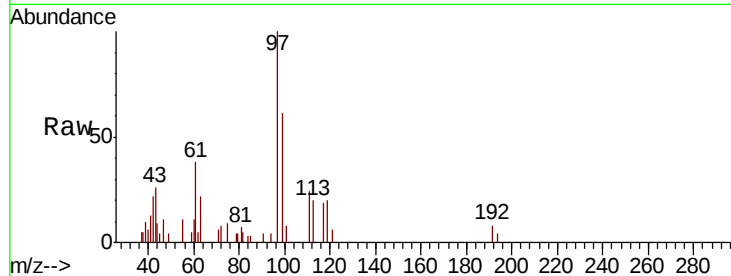
ClientSampleId :

VF0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	147.1	517.6	776.4#
70	0.0	15.4	23.2#

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#38

Carbon Tetrachloride

Concen: 19.52 ug/l

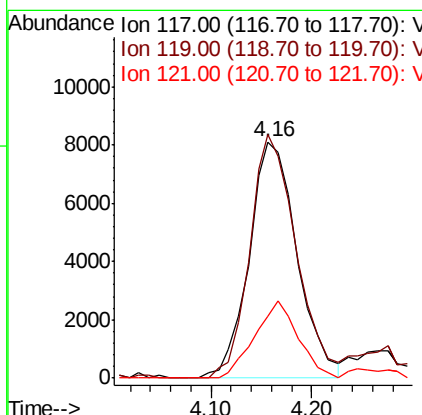
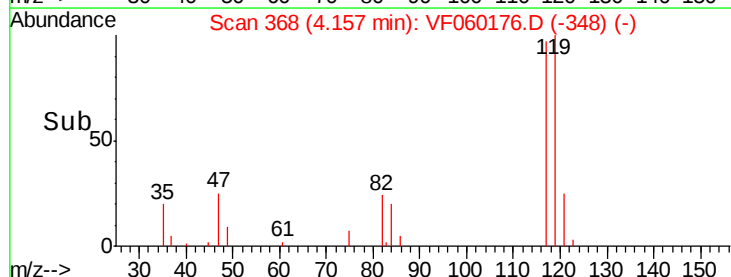
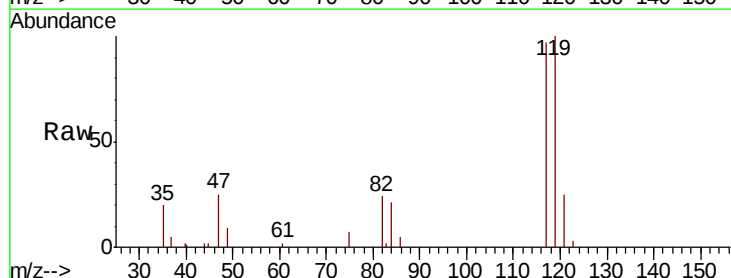
RT: 4.16 min Scan# 368

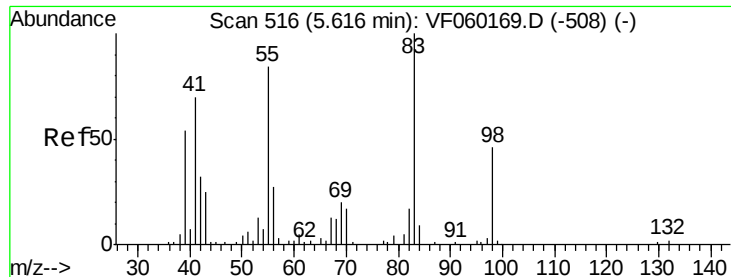
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.2	76.8	115.2
121	26.3	22.9	34.3





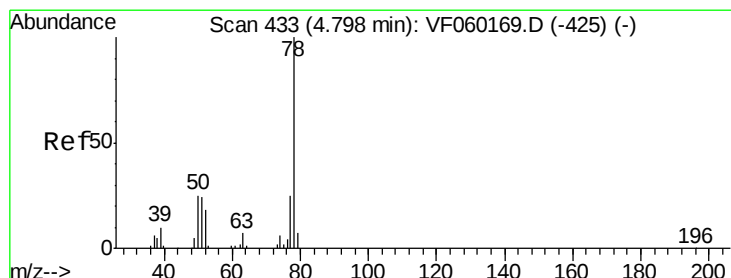
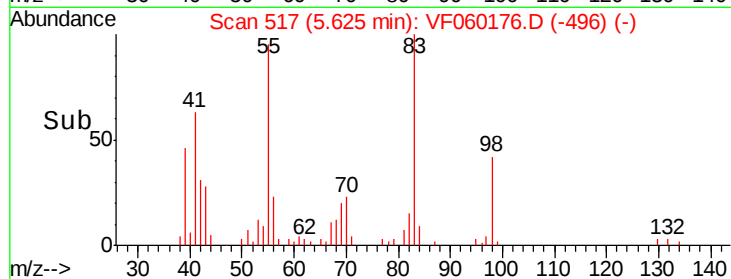
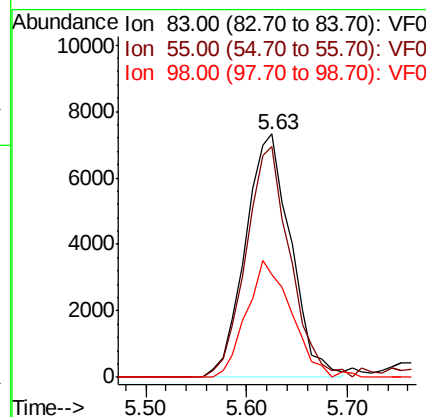
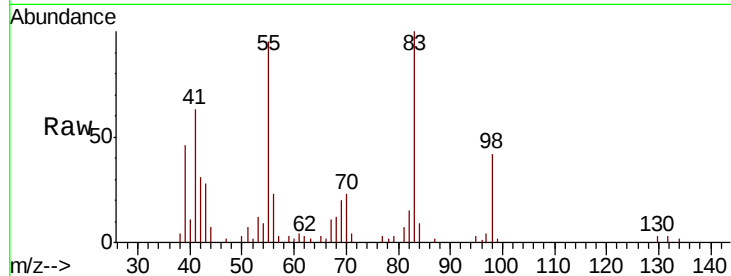
#39
Methylcyclohexane
Concen: 23.75 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.9	67.4	101.2
98	42.0	37.0	55.6

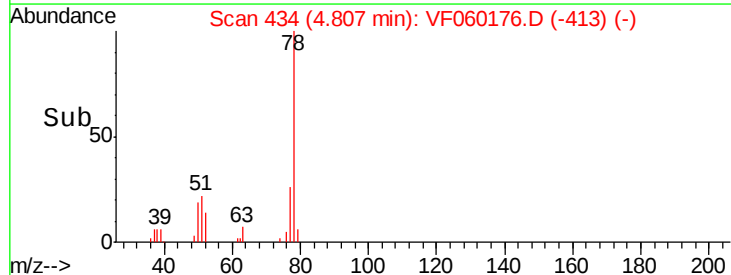
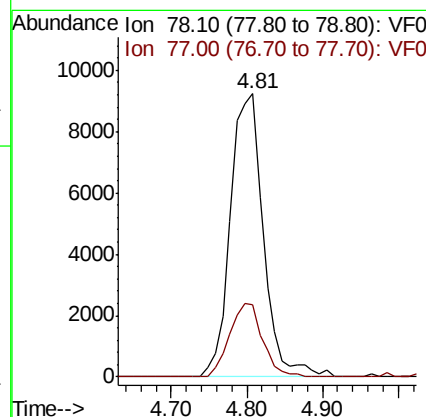
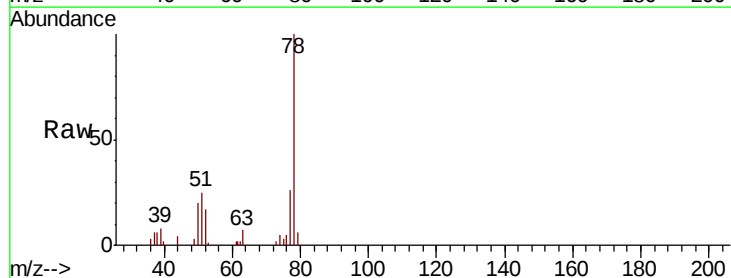
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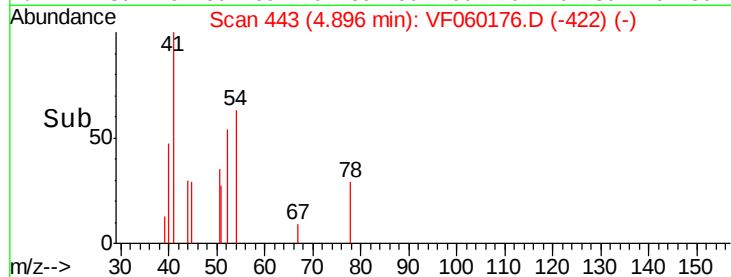
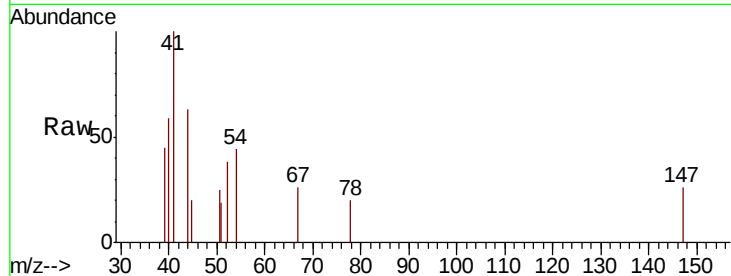
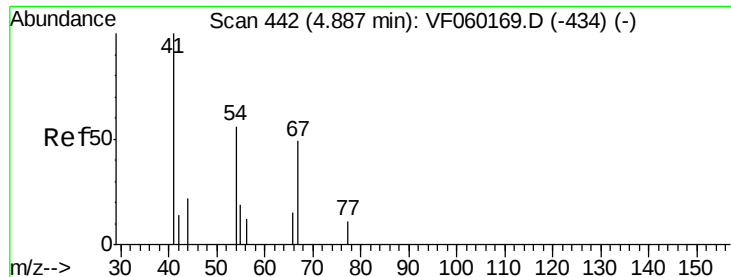
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#40
Benzene
Concen: 20.53 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.2	30.2





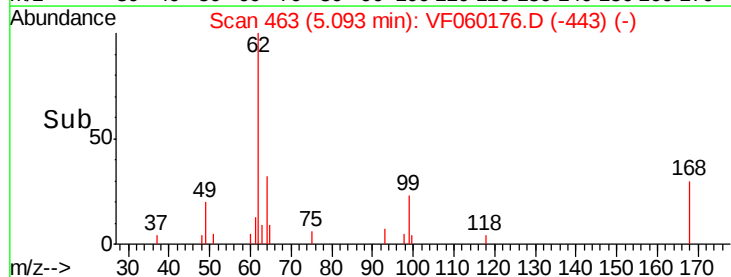
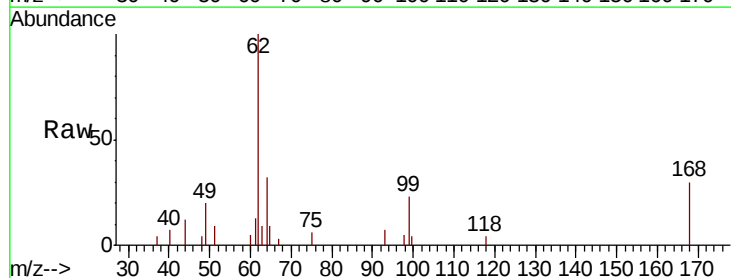
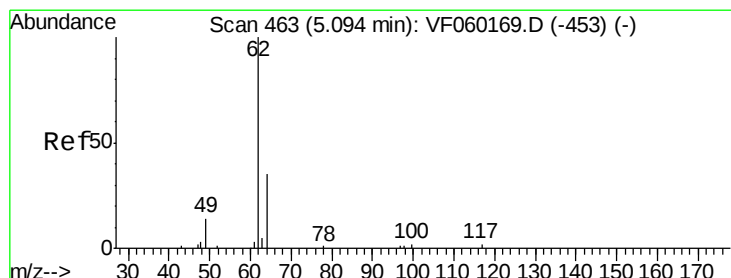
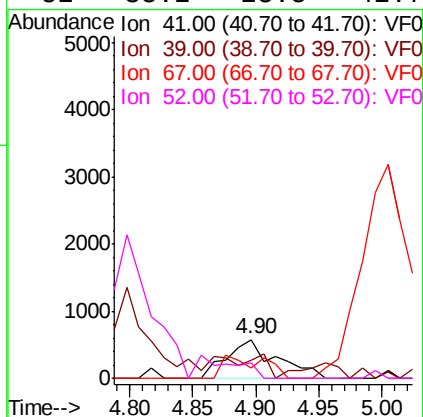
#41
Methacrylonitrile
Concen: 22.85 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	44.9	45.0	67.6#	
67	25.6	39.5	59.3#	
52	38.2	28.5	42.7	

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

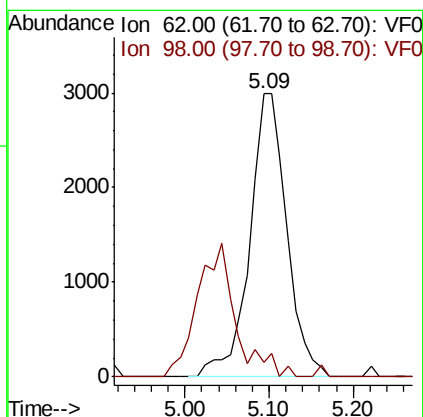
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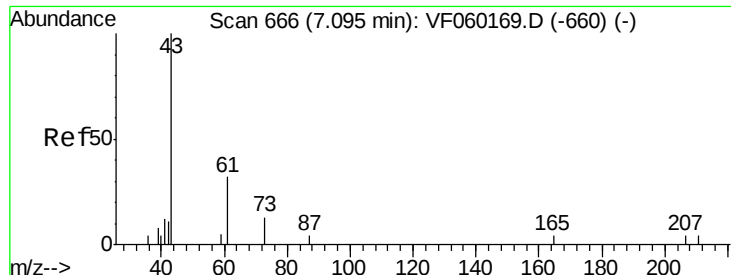
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#42
1,2-Dichloroethane
Concen: 18.85 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	5.2	0.0	13.2	





#43

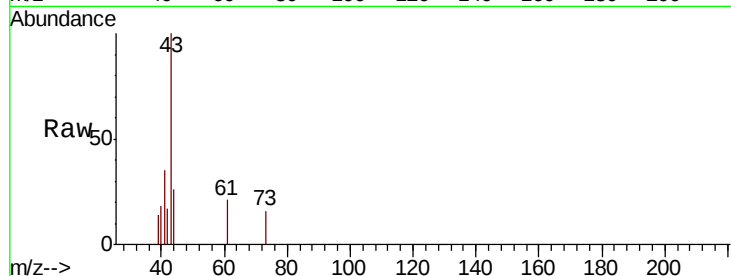
Isopropyl Acetate
 Concen: 15.82 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

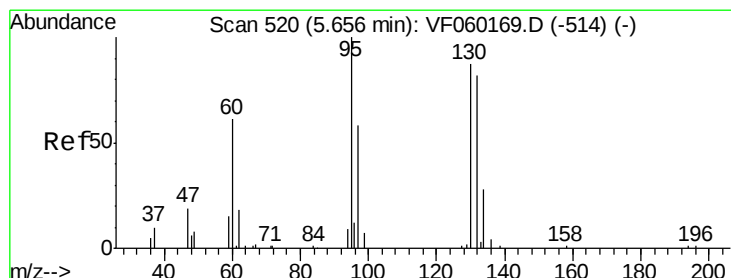
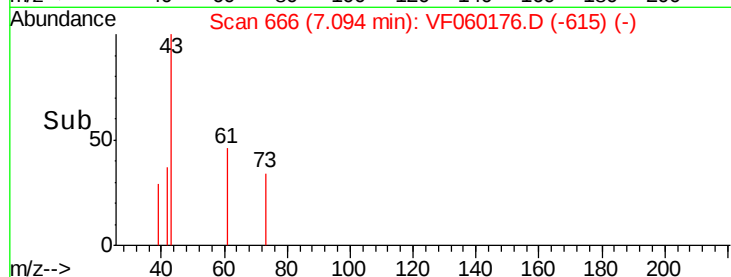
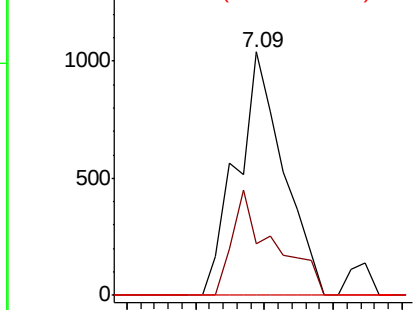
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	25.3	37.9#
87	0.0	3.0	4.6#

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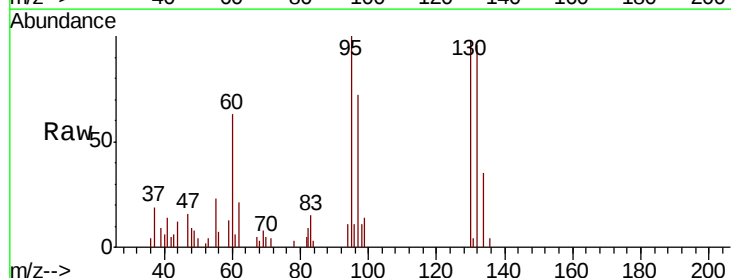
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



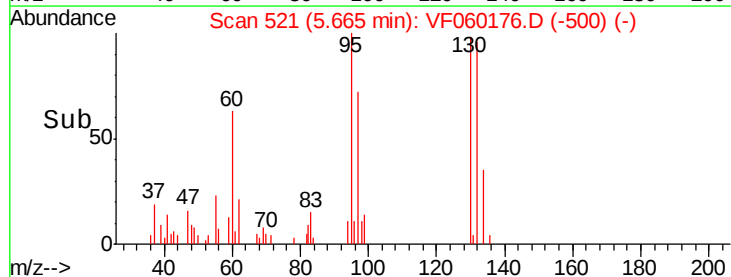
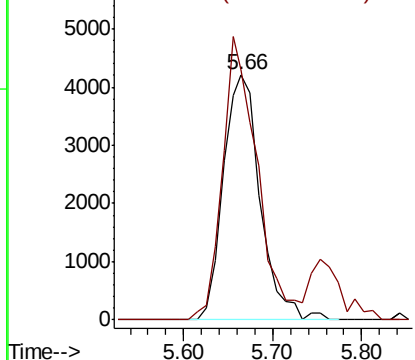
#44

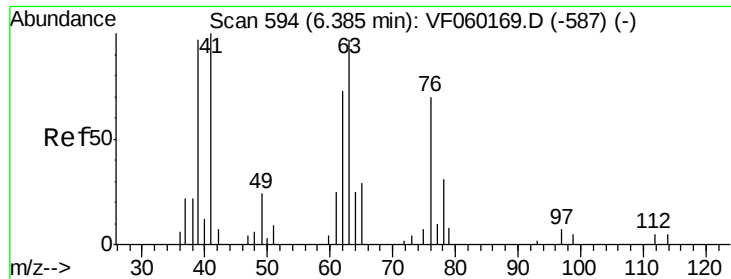
Trichloroethene
 Concen: 20.92 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	230.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





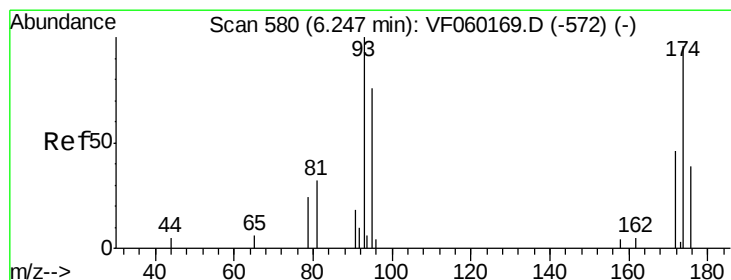
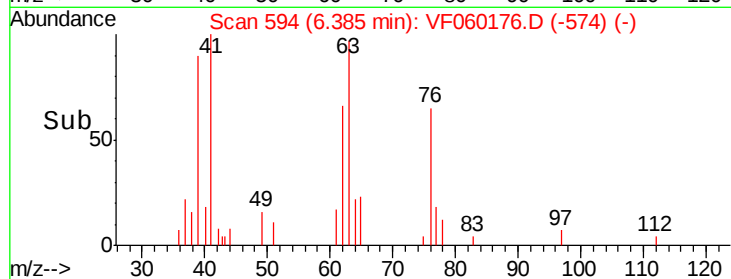
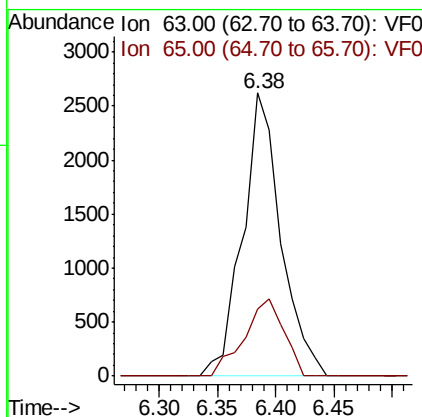
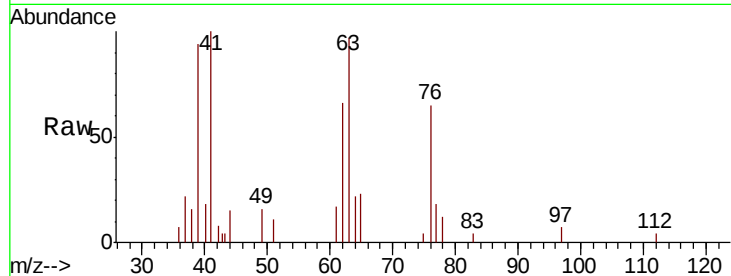
#45
 1,2-Dichloropropane
 Concen: 20.73 ug/l
 RT: 6.38 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion: 63 Resp: 5955
 Ion Ratio Lower Upper
 63 100
 65 23.9 23.6 35.4

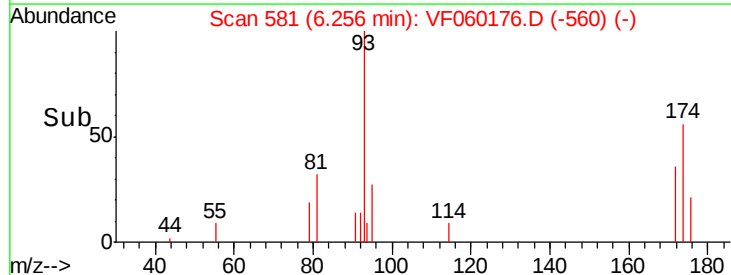
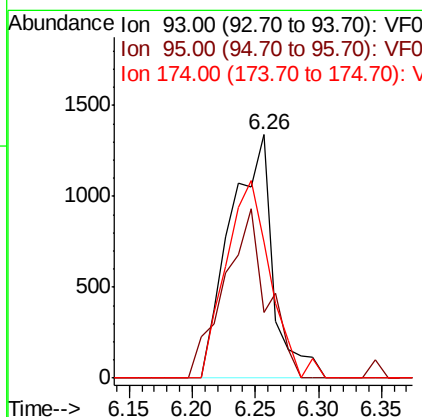
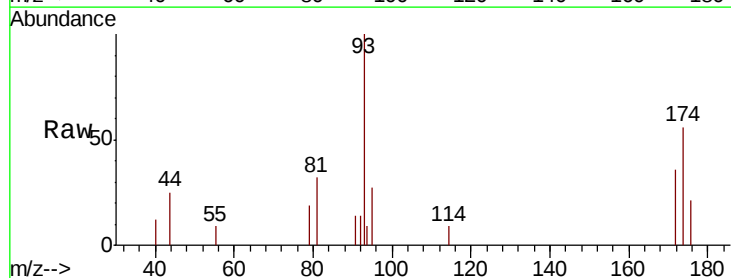
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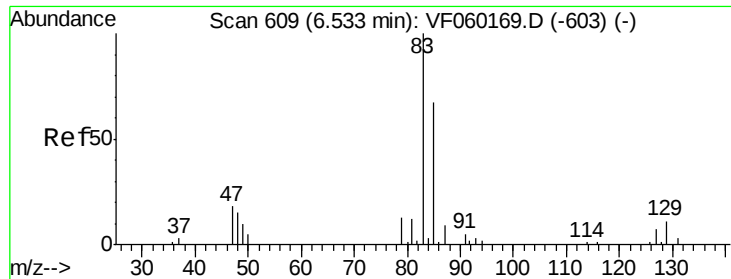
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#46
 Dibromomethane
 Concen: 20.30 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion: 93 Resp: 3152
 Ion Ratio Lower Upper
 93 100
 95 27.1 60.8 91.2#
 174 55.9 76.8 115.2#





#47

Bromodichloromethane

Concen: 17.76 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

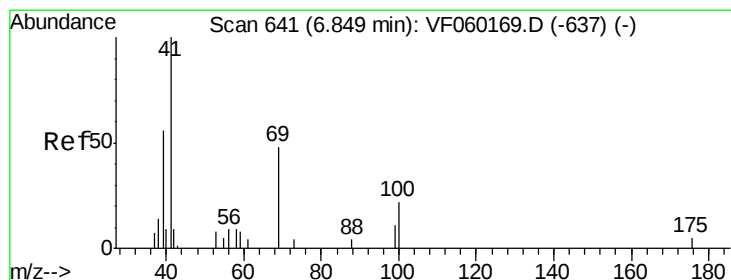
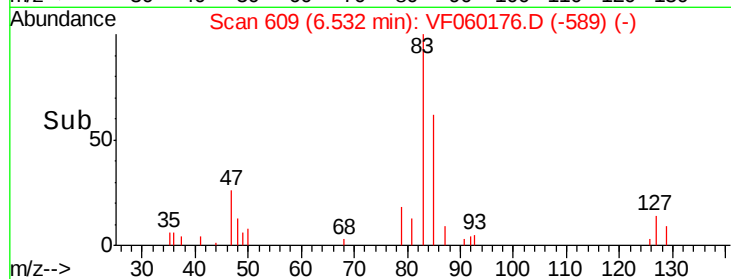
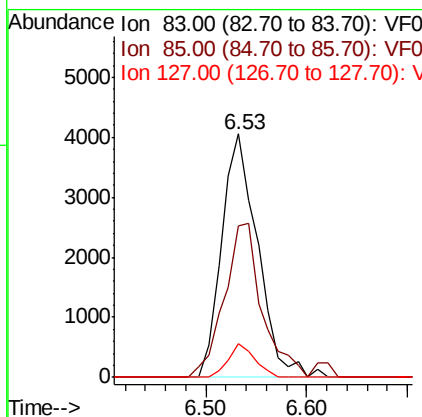
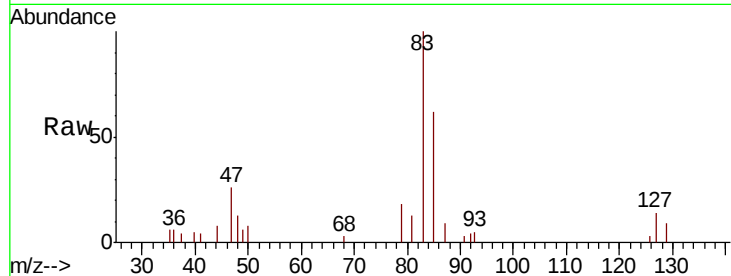
ClientSampleId :

VF0829SBS01

Tot Ion:	83	Resp:	10047
Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.3	79.9
127	13.9	5.7	8.5#

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#48

Methyl methacrylate

Concen: 18.63 ug/l

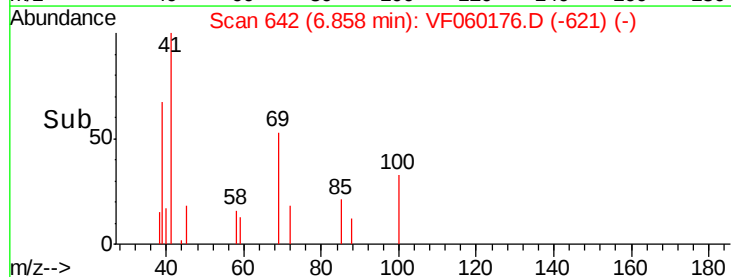
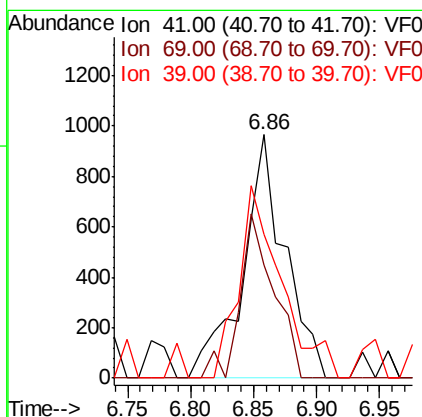
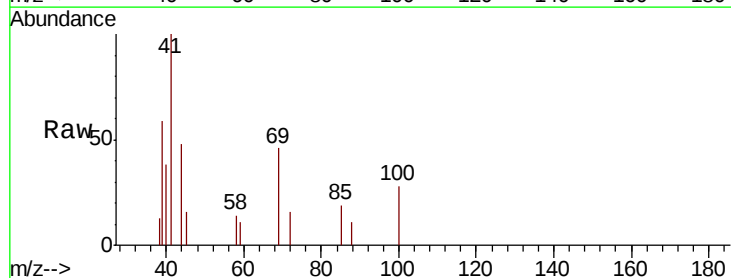
RT: 6.86 min Scan# 642

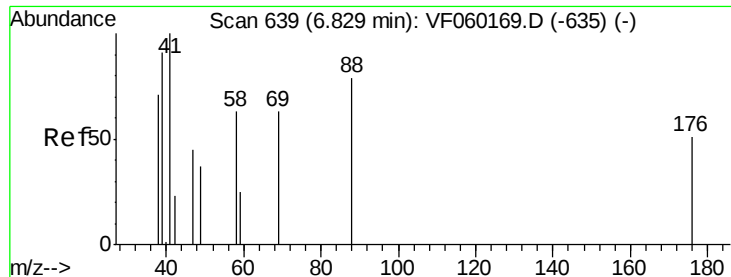
Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	41	Resp:	2248
Ion	Ratio	Lower	Upper
41	100		
69	46.5	38.2	57.2
39	58.9	56.2	84.2





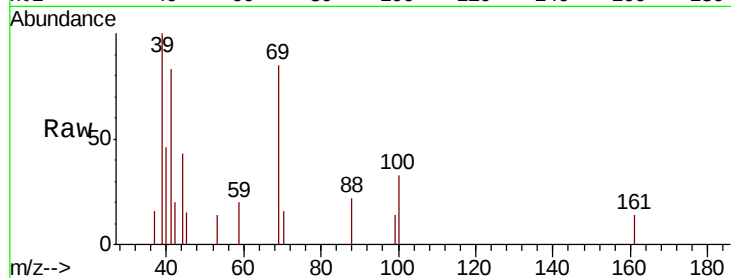
#49
 1,4-Dioxane
 Concen: 500.02 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. 0.02 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

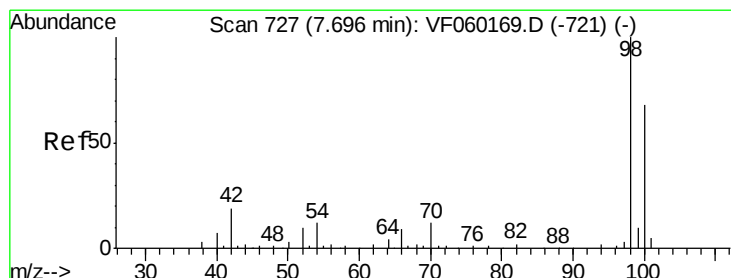
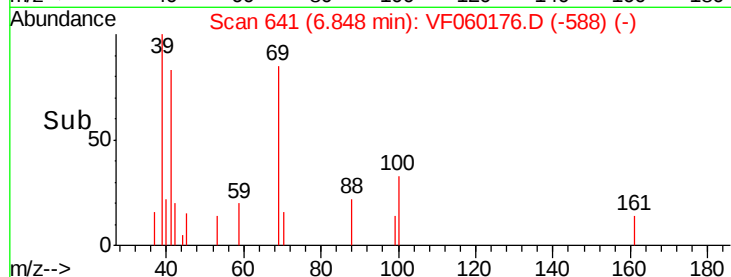
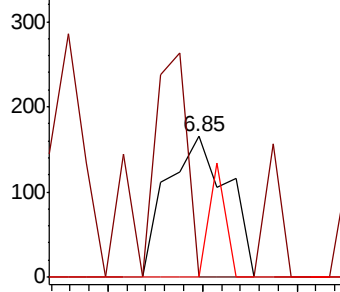
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.5	36.7#
58	0.0	63.8	95.8#

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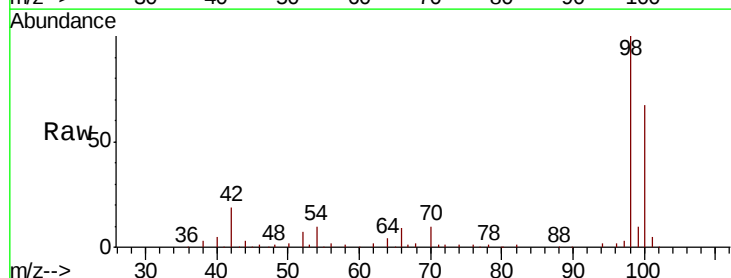


Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

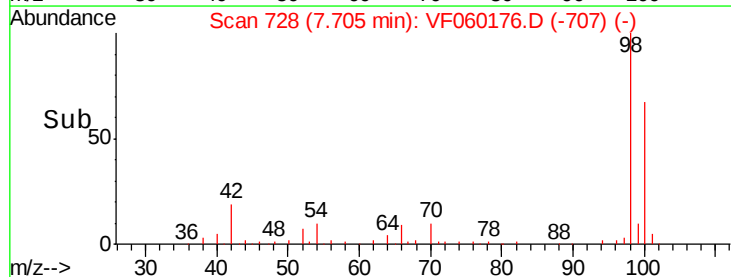
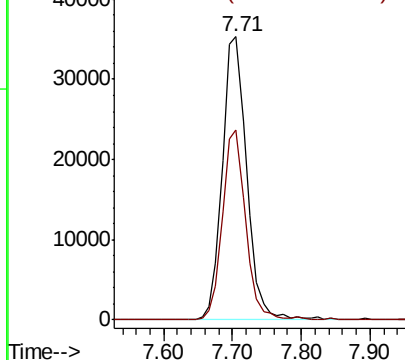


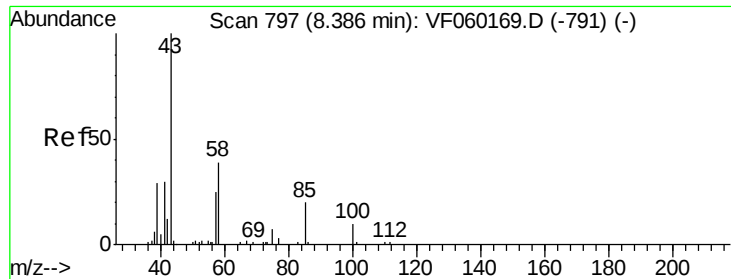
#50
 Toluene-d8
 Concen: 54.65 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.5	81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 98.41 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 43 Resp: 13318

Ion Ratio Lower Upper

43 100

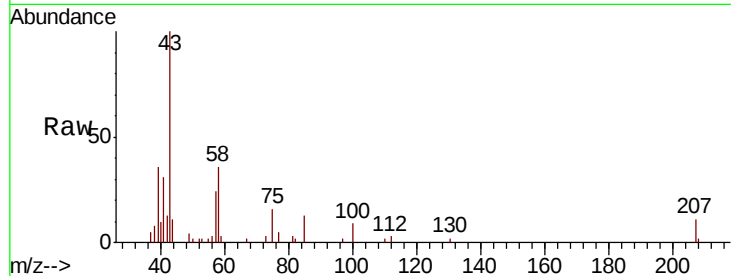
58 35.6 31.0 46.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

6000

5000

4000

3000

2000

1000

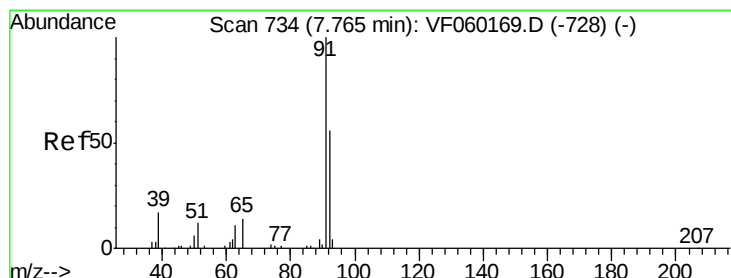
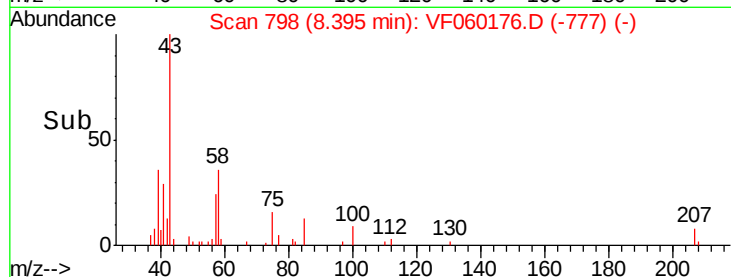
0

8.30

8.40

8.50

Time-->



#52

Toluene

Concen: 21.36 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF060176.D

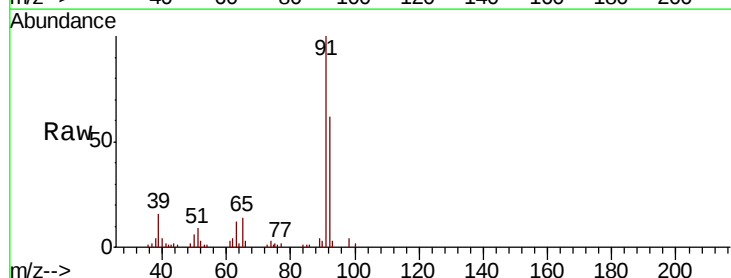
Acq: 29 Aug 2018 5:32

Tgt Ion: 92 Resp: 22401

Ion Ratio Lower Upper

92 100

91 160.1 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

10000

5000

0

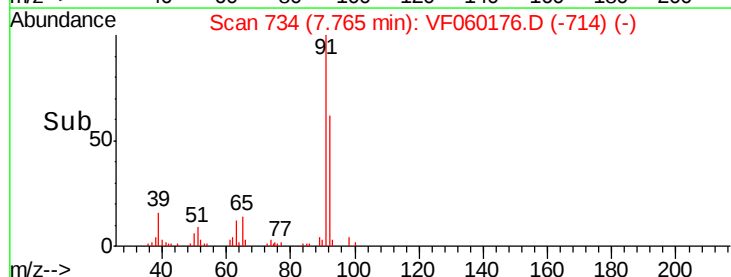
7.70

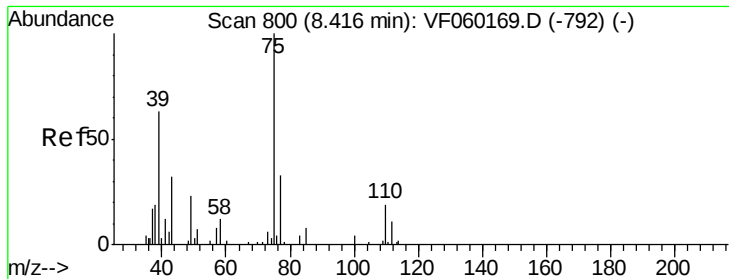
7.76

7.80

7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.47 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 75 Resp: 5505

Ion Ratio Lower Upper

75 100

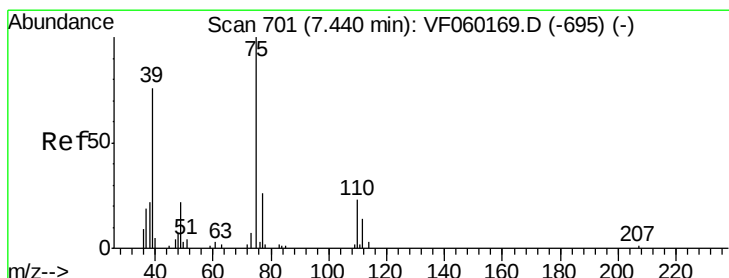
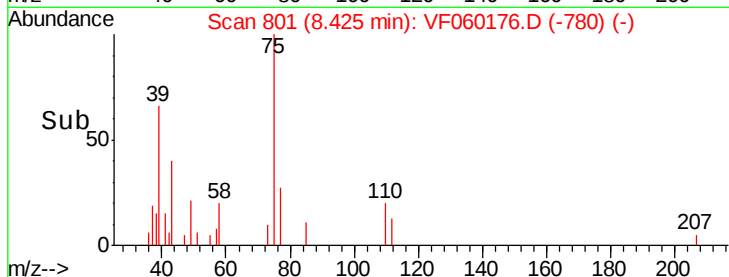
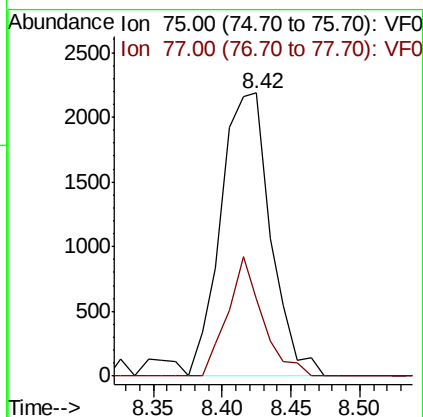
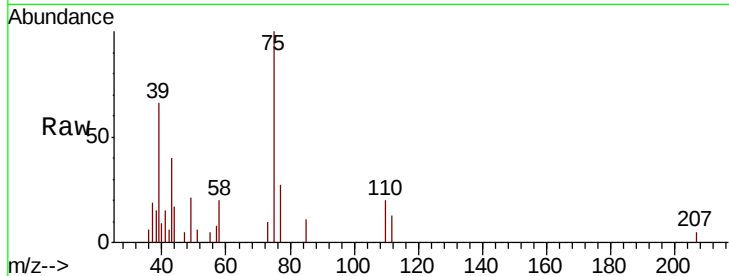
77 27.2 26.4 39.6

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#54

cis-1,3-Dichloropropene

Concen: 19.63 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

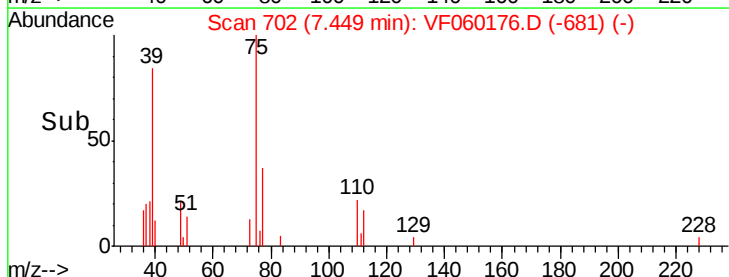
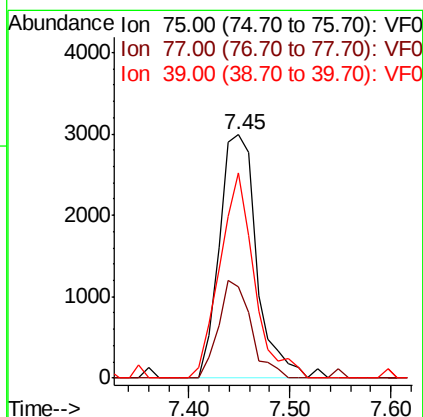
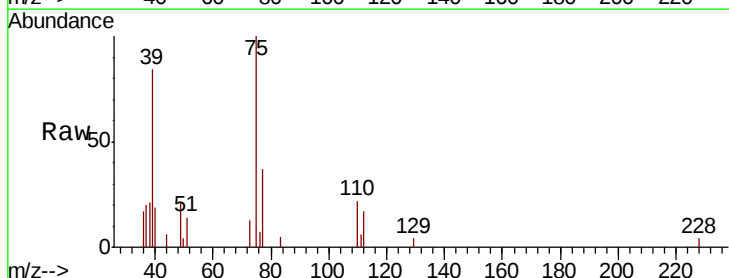
Tgt Ion: 75 Resp: 7700

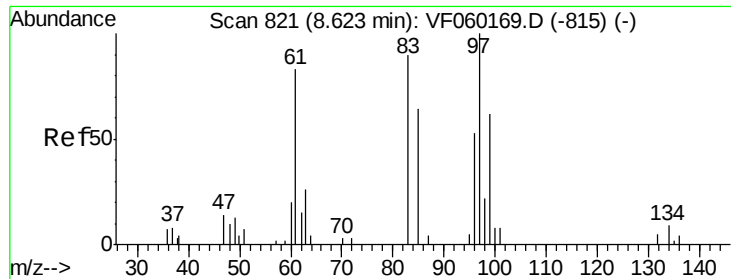
Ion Ratio Lower Upper

75 100

77 37.4 20.7 31.1#

39 84.2 60.9 91.3





#55

1,1,2-Trichloroethane

Concen: 19.22 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

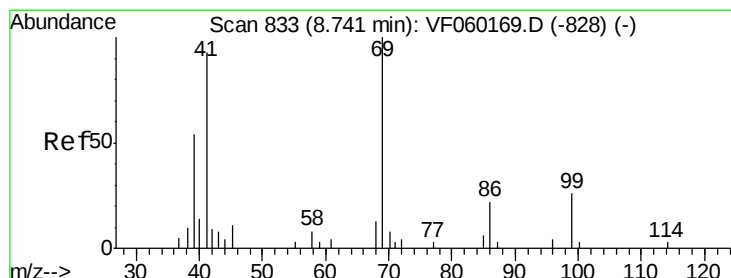
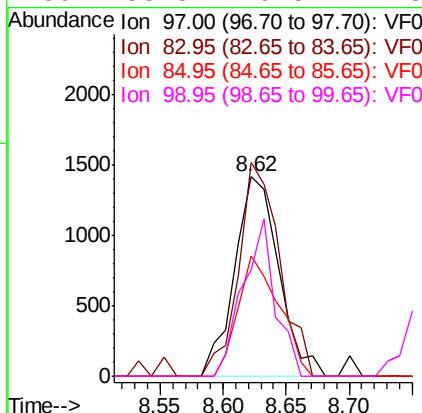
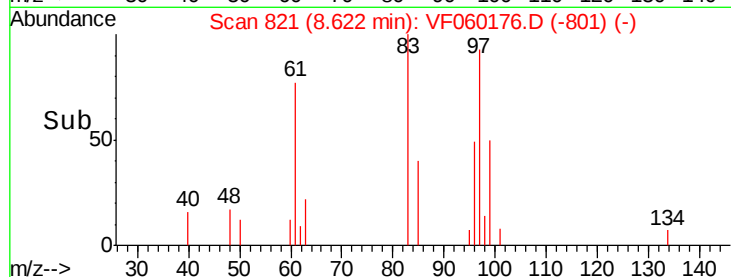
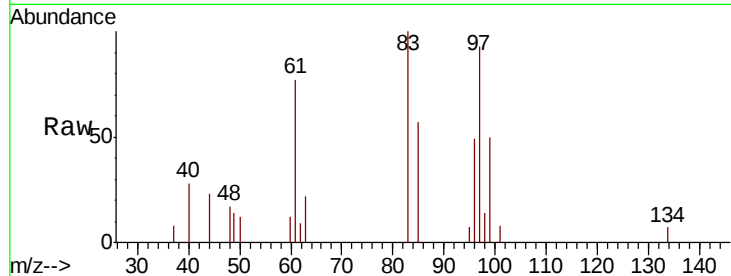
ClientSampleId :

VF0829SBS01

Tot Ion:	97	Resp:	3452
Ion	Ratio	Lower	Upper
97	100		
83	107.1	72.0	108.0
85	60.6	51.0	76.4
99	53.5	49.5	74.3

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#56

Ethyl methacrylate

Concen: 20.40 ug/l

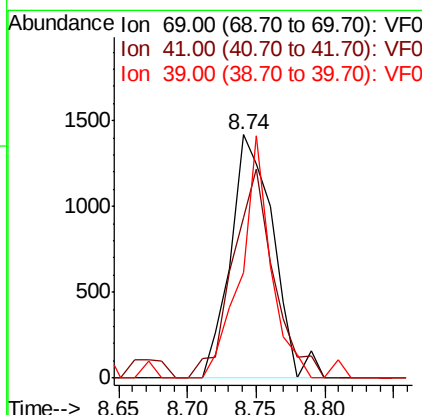
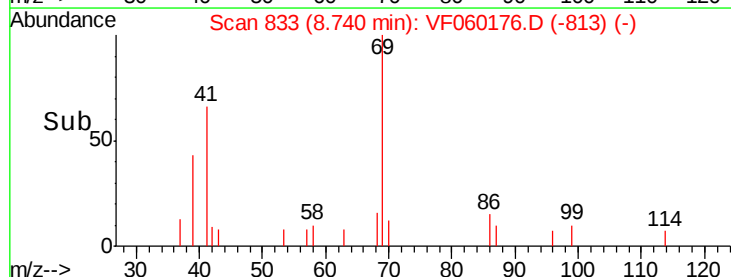
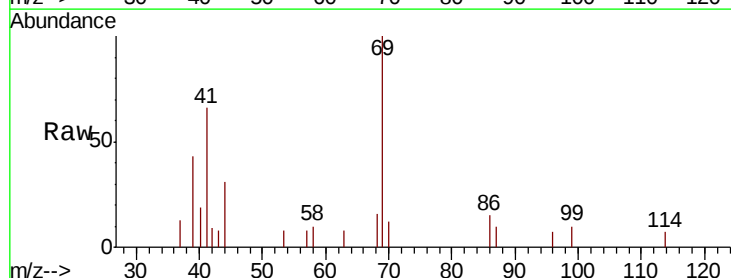
RT: 8.74 min Scan# 833

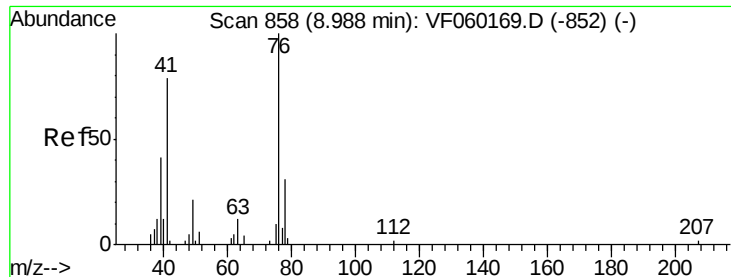
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	69	Resp:	3061
Ion	Ratio	Lower	Upper
69	100		
41	65.8	74.6	111.8#
39	43.2	46.2	69.4#





#57

1,3-Dichloropropane

Concen: 19.91 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 76 Resp: 6196

Ion Ratio Lower Upper

76 100

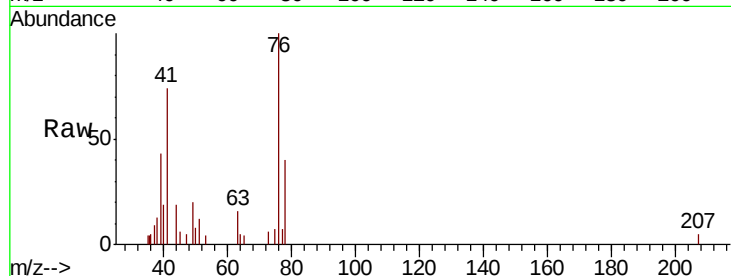
78 40.2 24.6 37.0#

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

3000

2500

2000

1500

1000

500

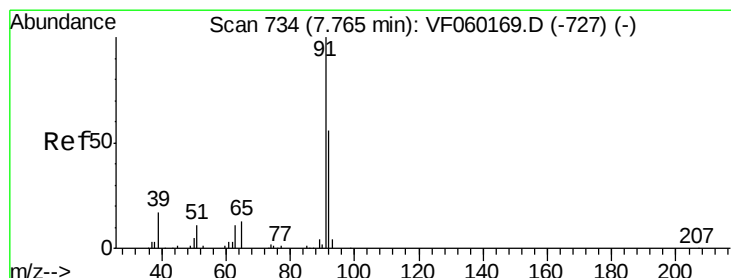
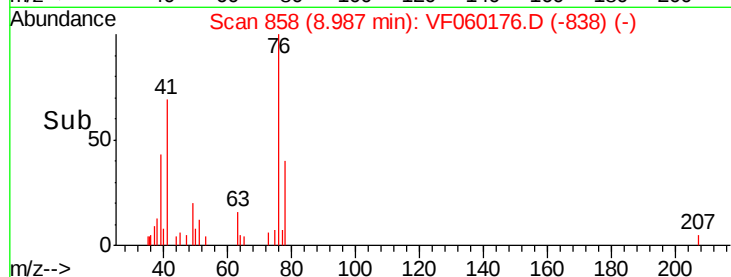
0

8.90

9.00

9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.81 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF060176.D

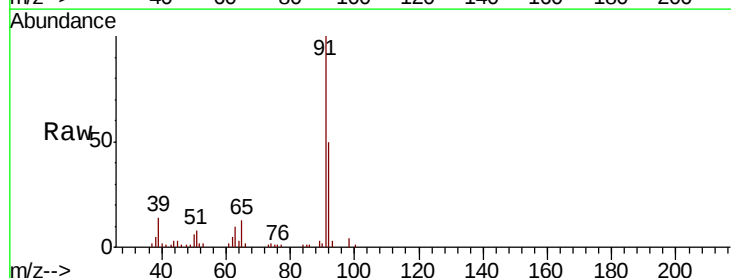
Acq: 29 Aug 2018 5:32

Tgt Ion: 63 Resp: 4367

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

2000

1500

1000

500

0

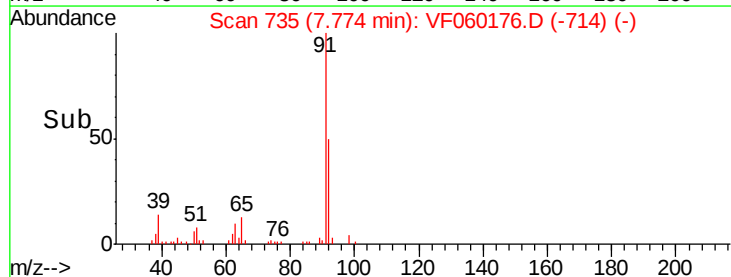
7.70

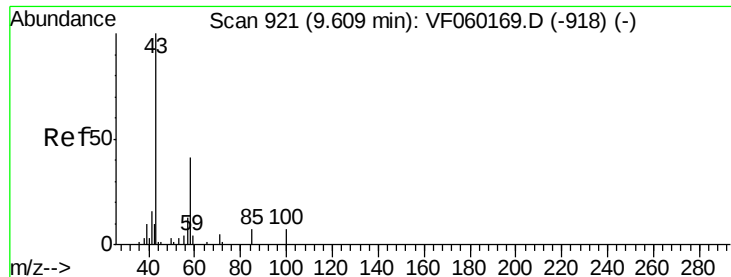
7.75

7.80

7.85

Time-->





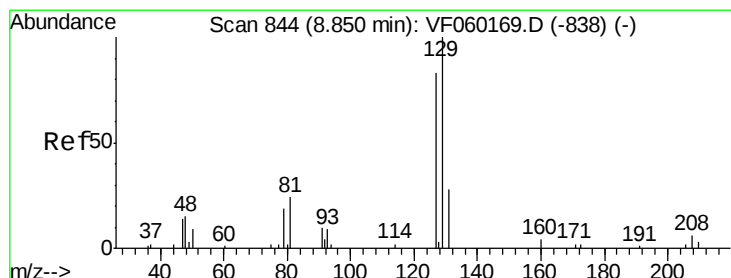
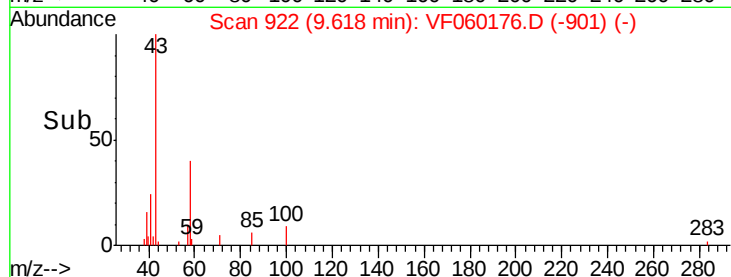
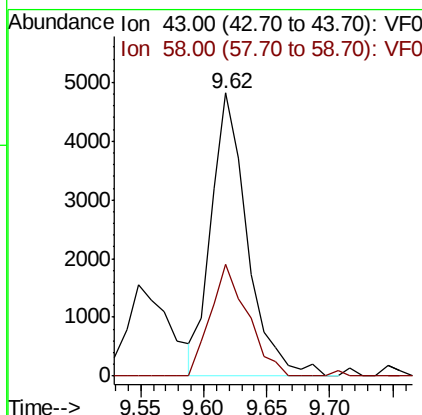
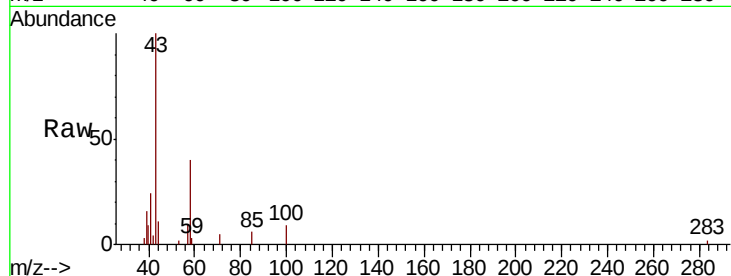
#59
2-Hexanone
Concen: 100.93 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	19.4	58.4

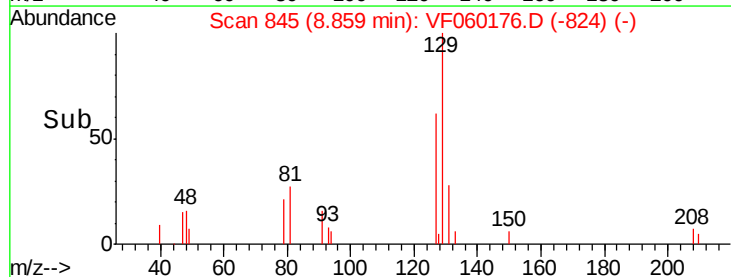
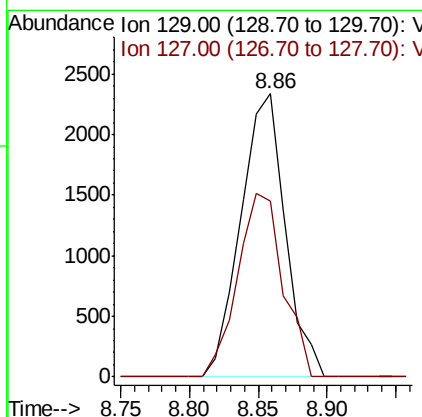
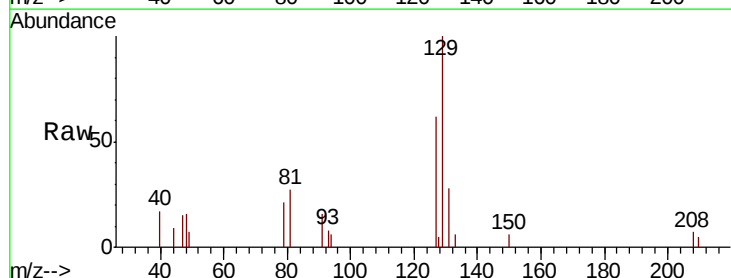
Manual Integrations
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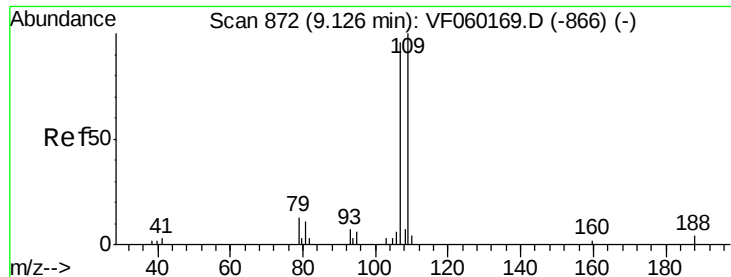
apatel
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#60
Dibromochloromethane
Concen: 17.72 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	62.0	43.2	129.6





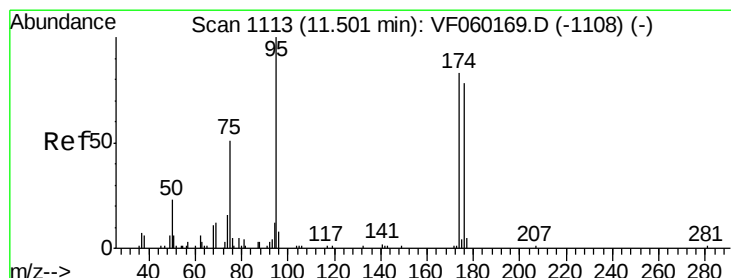
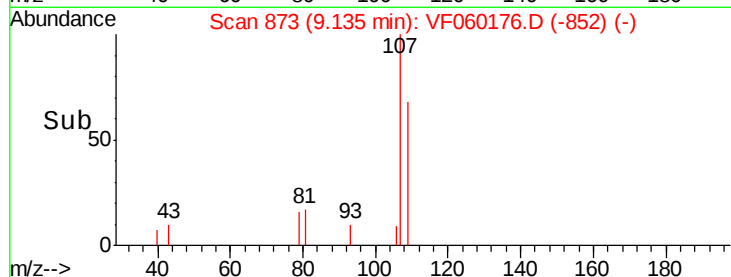
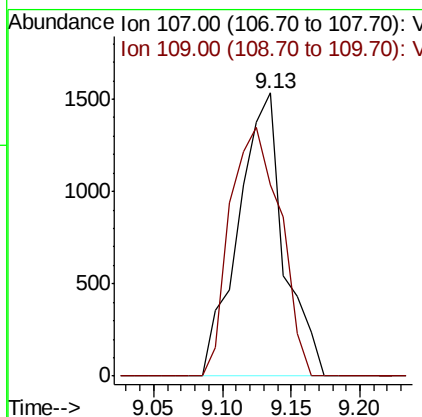
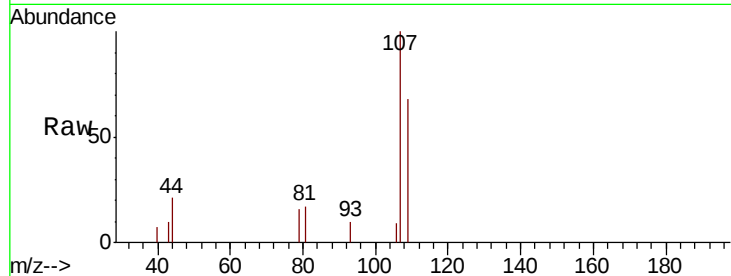
#61
 1,2-Dibromoethane
 Concen: 19.23 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3540		
109	67.5	83.4	125.0	

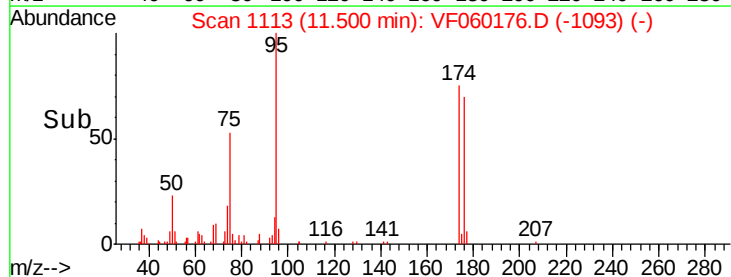
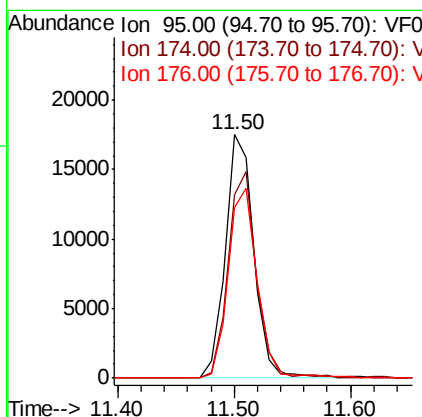
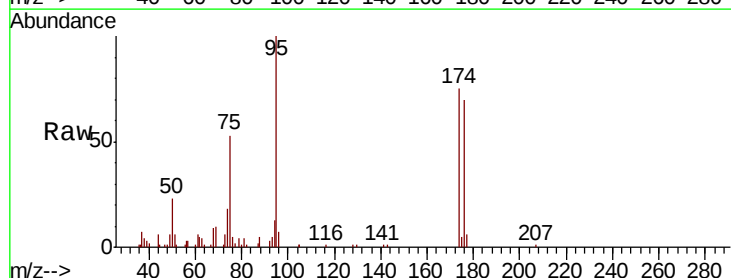
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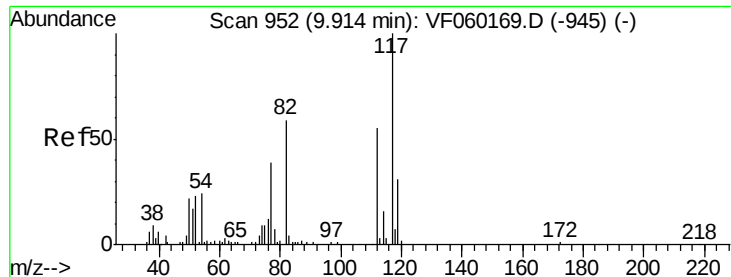
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.59 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	29665		
174	75.2	0.0	165.2	
176	69.9	0.0	156.6	





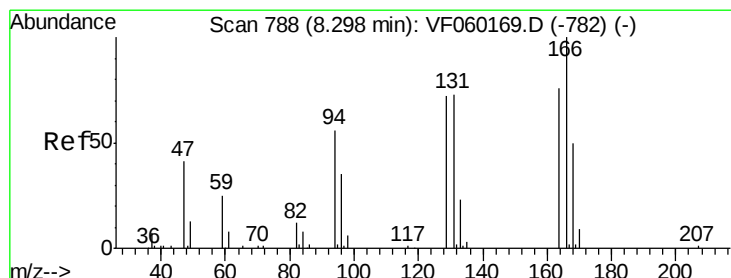
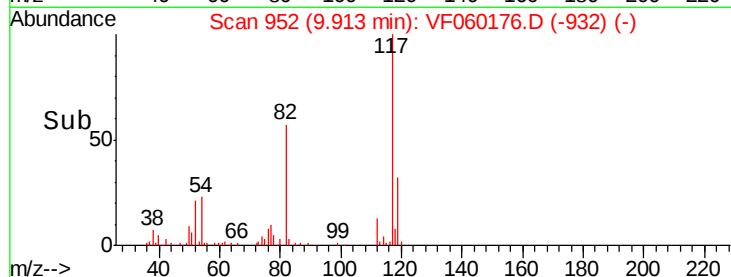
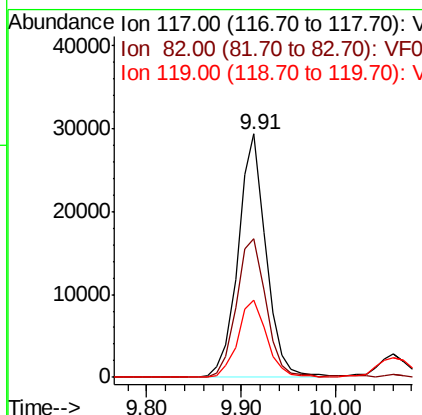
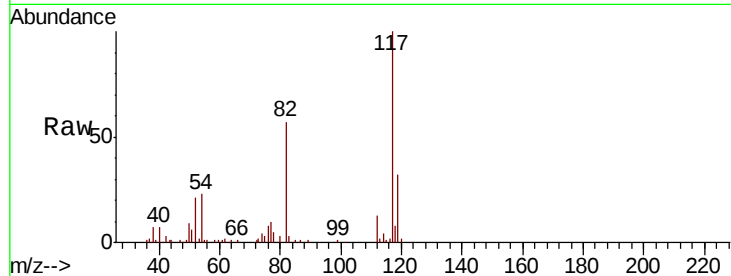
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	59943		
82	56.7		47.2	70.8
119	31.5		25.0	37.4

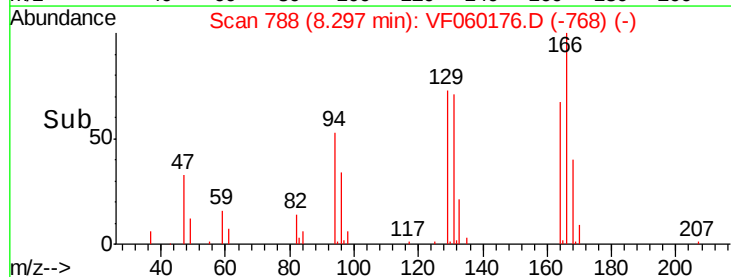
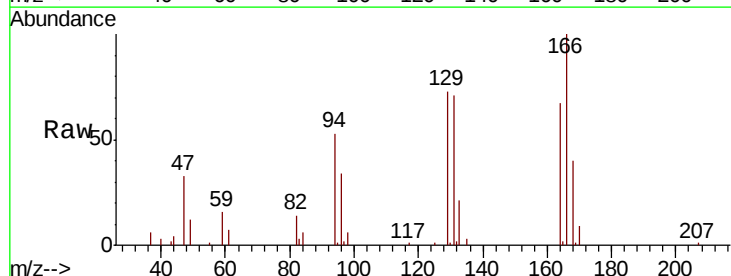
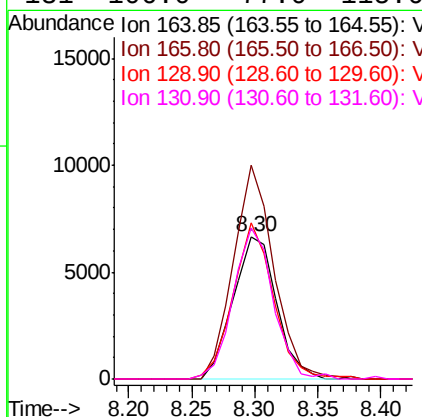
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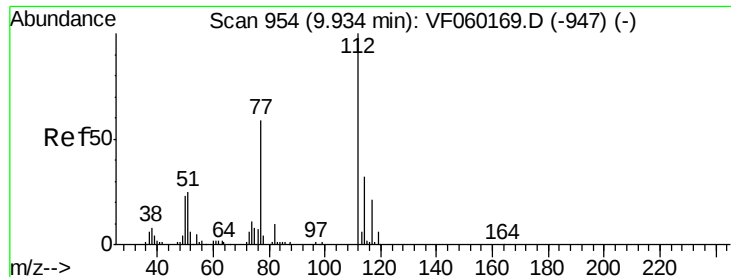
apatel
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#64
Tetrachloroethene
Concen: 21.55 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15901		
166	149.6		105.2	157.8
129	109.1		76.2	114.2
131	106.0		77.0	115.6





#65

Chlorobenzene

Concen: 20.21 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:112 Resp: 24299

Ion Ratio Lower Upper

112 100

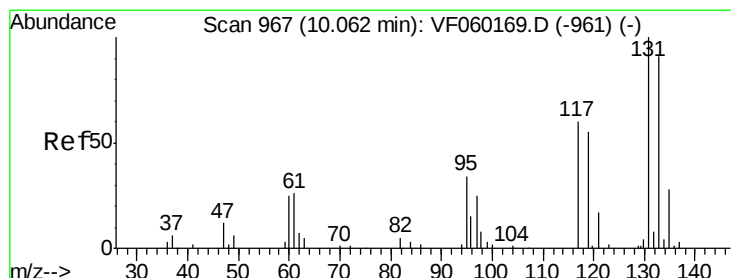
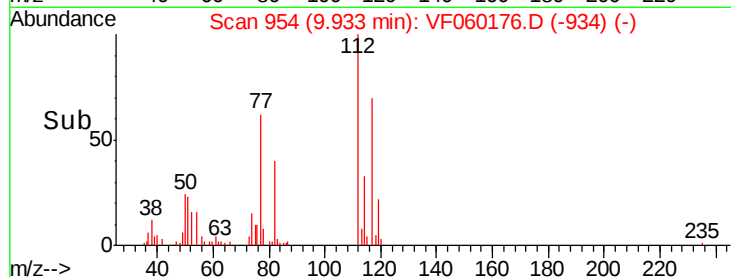
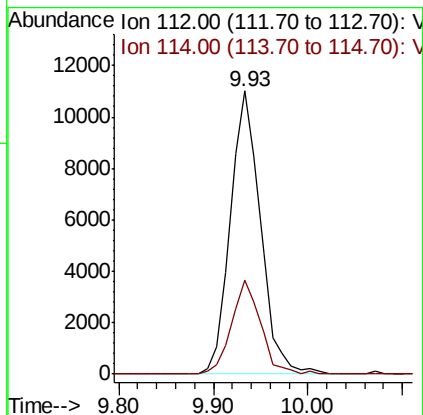
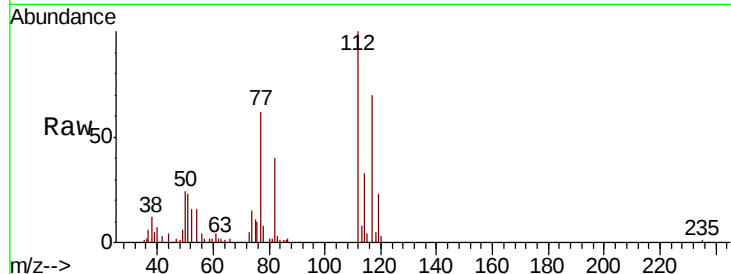
114 33.0 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.01 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

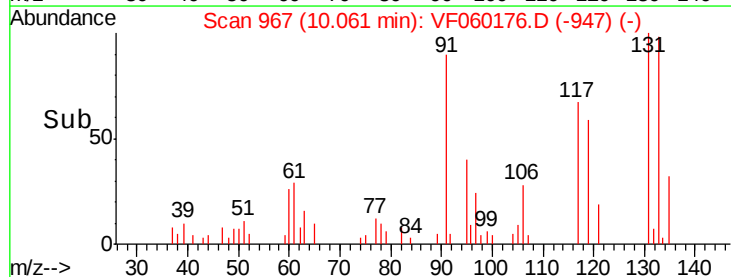
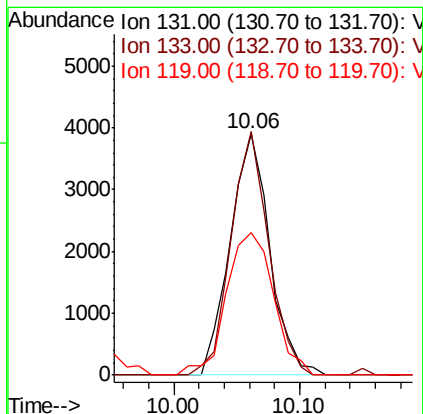
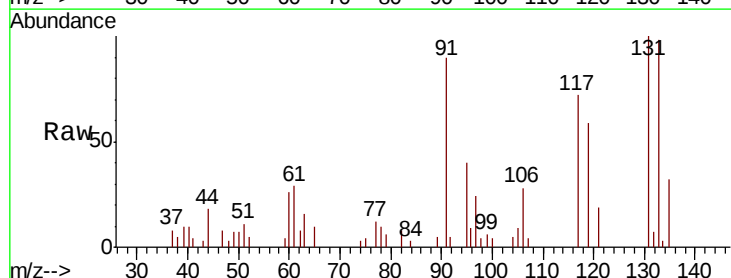
Tgt Ion:131 Resp: 8482

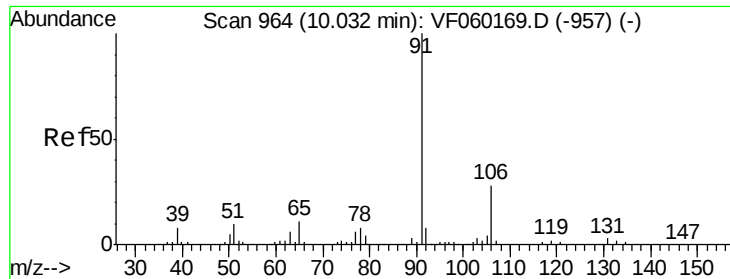
Ion Ratio Lower Upper

131 100

133 100.9 45.7 137.1

119 59.3 28.1 84.3





#67

Ethyl Benzene

Concen: 19.75 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF060176.D

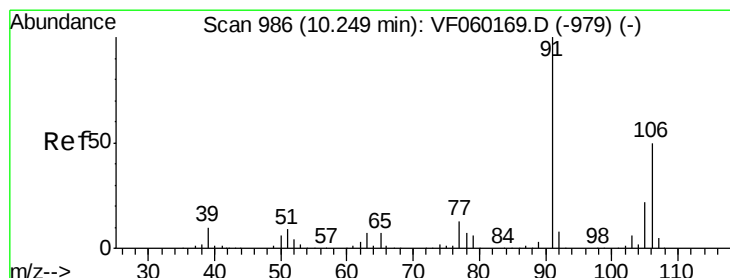
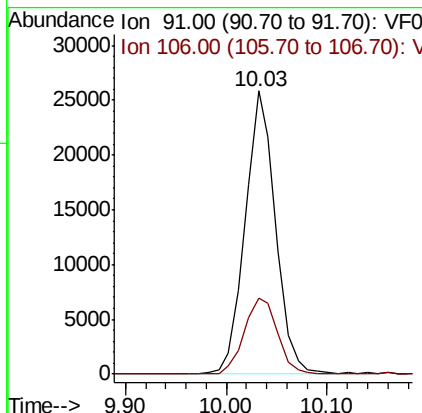
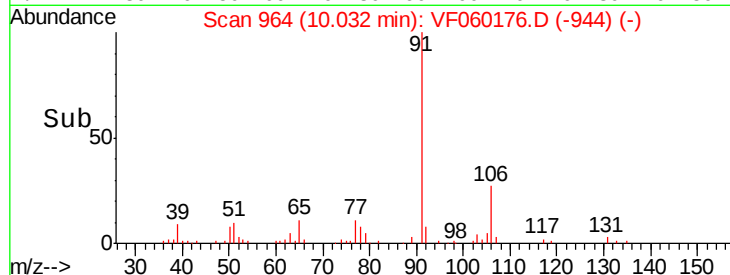
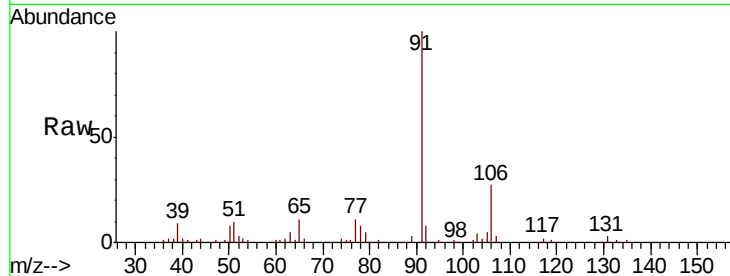
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion: 91 Resp: 54063
Ion Ratio Lower Upper
91 100
106 26.8 22.8 34.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.35 ug/l

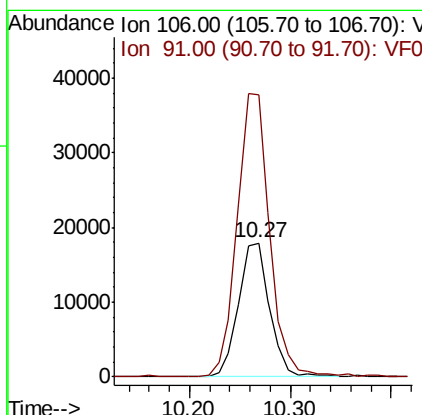
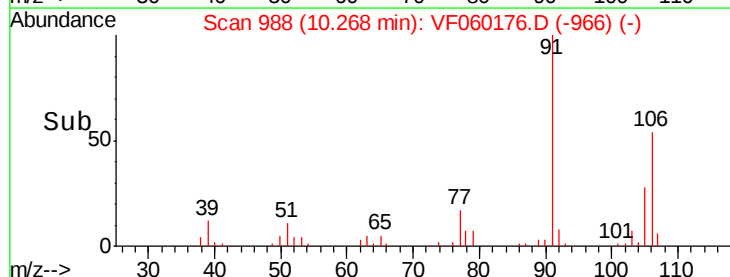
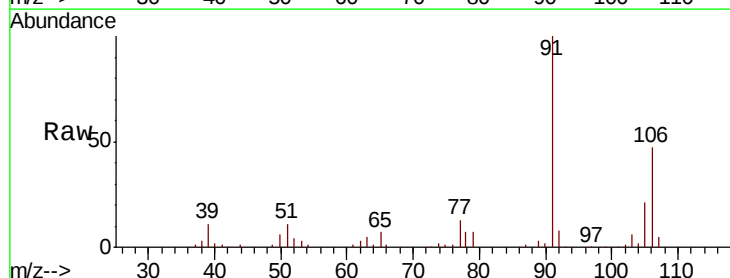
RT: 10.27 min Scan# 988

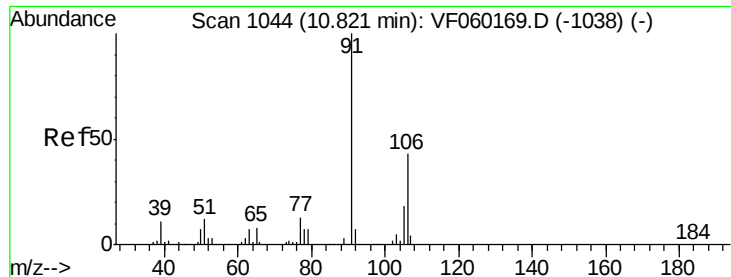
Delta R.T. 0.02 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:106 Resp: 38812
Ion Ratio Lower Upper
106 100
91 210.7 161.3 241.9





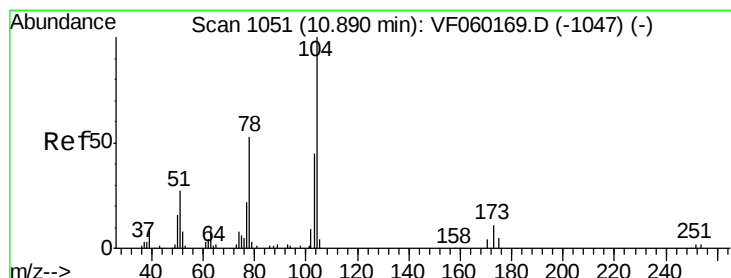
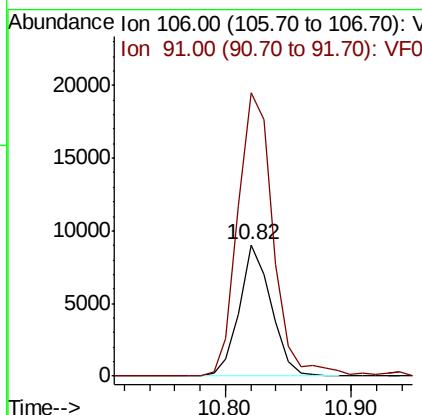
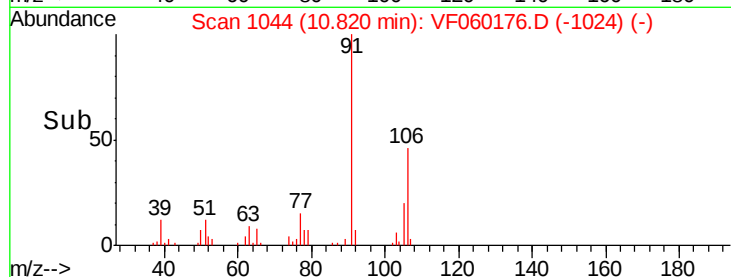
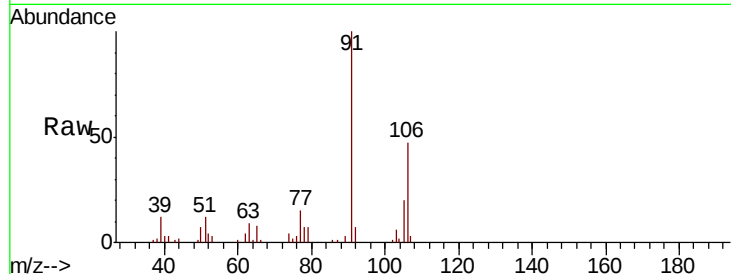
#69
o-Xylene
Concen: 19.75 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.0	117.0	350.8		

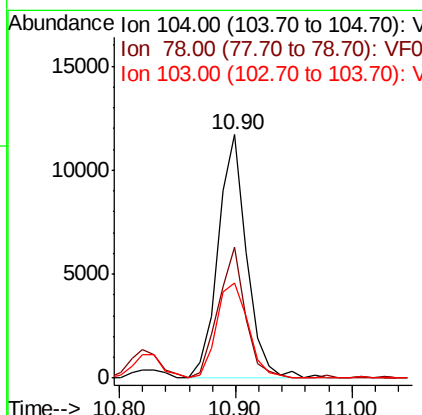
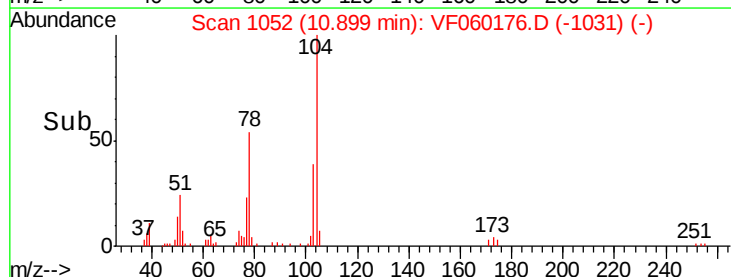
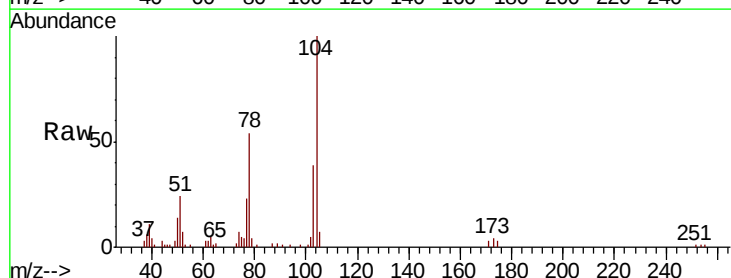
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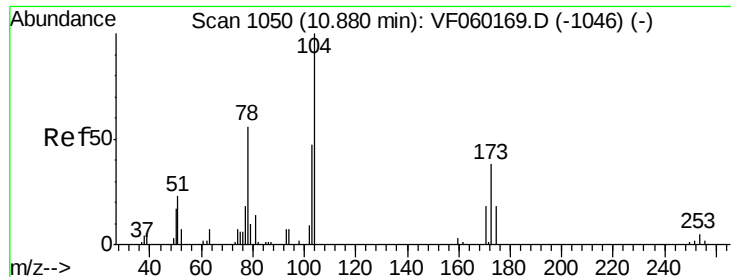
apatel
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#70
Styrene
Concen: 20.08 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.8	42.6	64.0		
103	39.2	36.8	55.2		





#71

Bromoform

Concen: 20.04 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

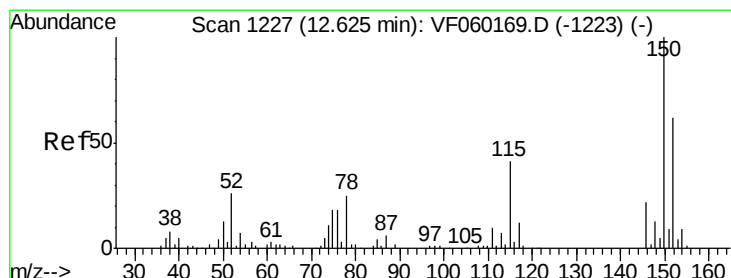
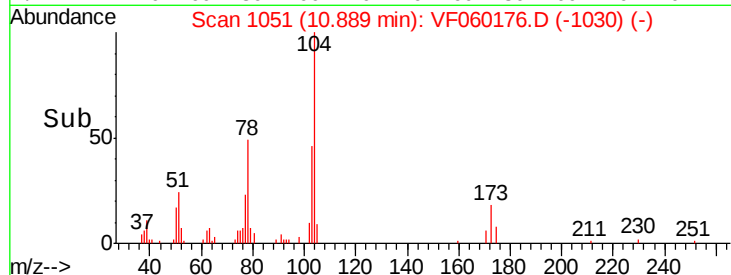
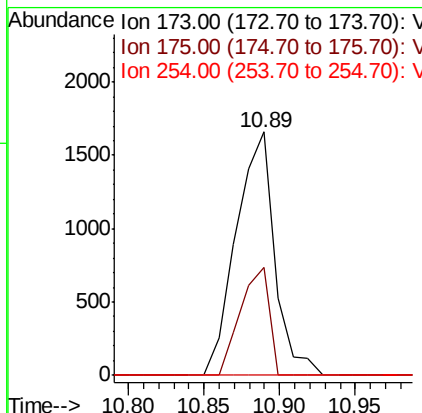
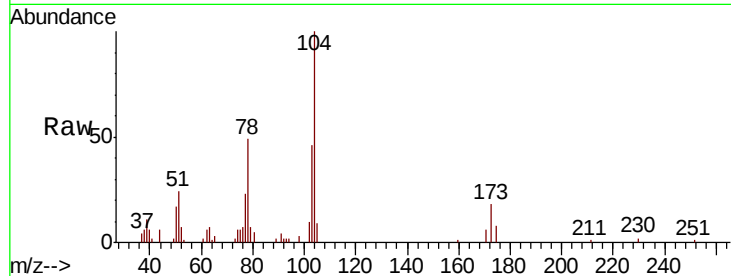
ClientSampleId :

VF0829SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.2	23.8	71.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

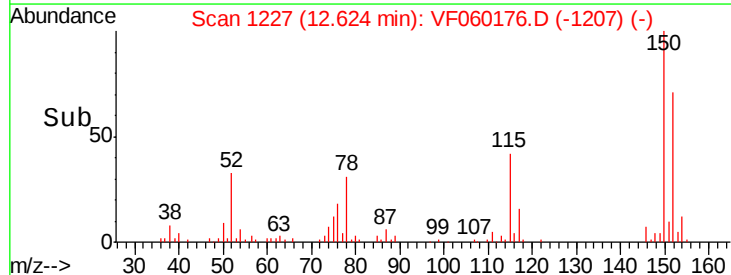
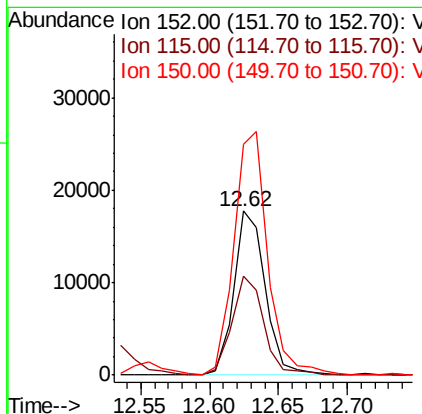
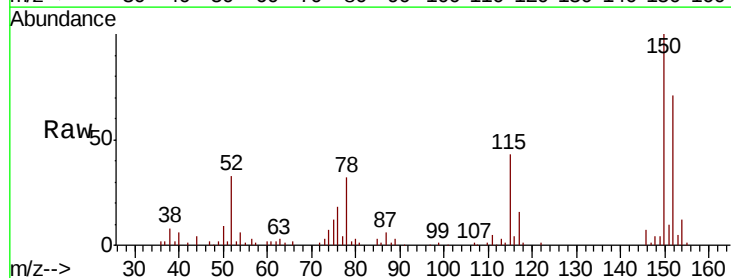
RT: 12.62 min Scan# 1227

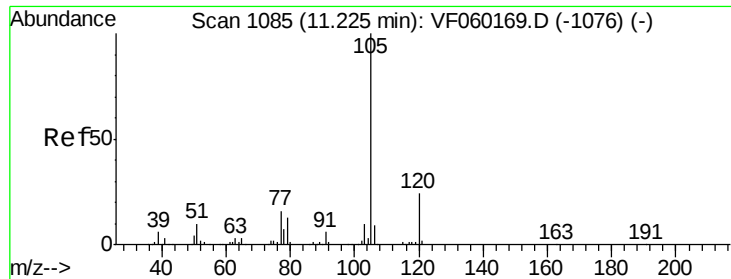
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	33.2	99.6
150	140.5	0.0	325.6





#73

Isopropylbenzene

Concen: 22.49 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:105 Resp: 69343

Ion Ratio Lower Upper

105 100

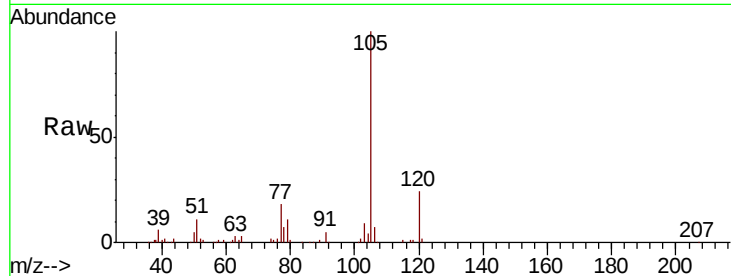
120 23.9 12.0 36.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

40000

30000

20000

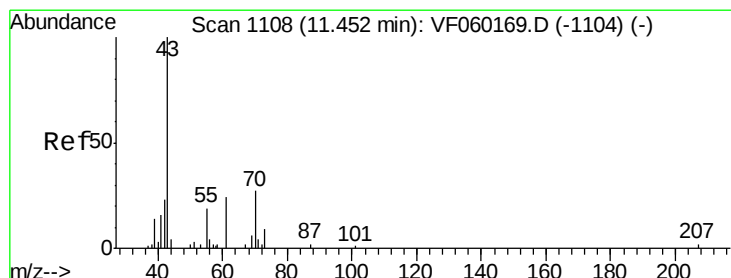
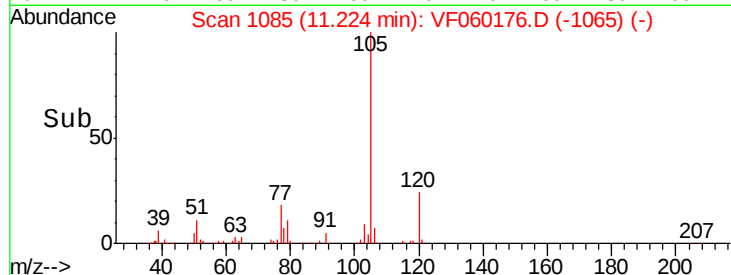
10000

0

11.20

11.30

Time-->



#74

N-ethyl acetate

Concen: 20.02 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion: 43 Resp: 4620

Ion Ratio Lower Upper

43 100

70 41.7 22.0 33.0#

55 28.4 15.2 22.8#

61 22.8 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

4000

3000

2000

1000

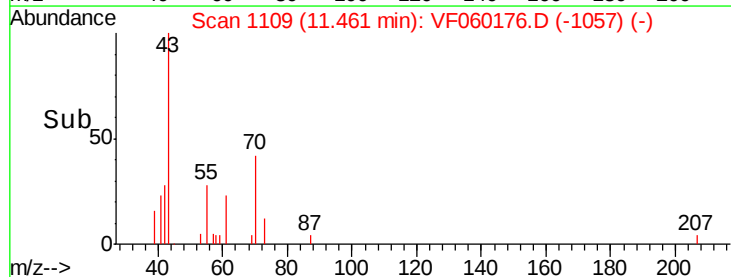
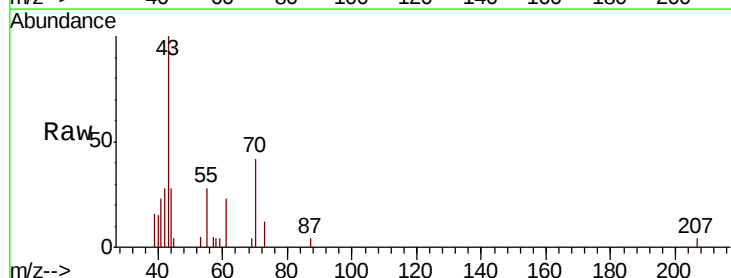
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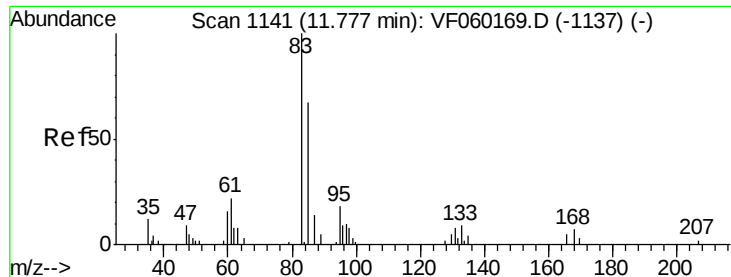
11.40

11.45

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.41 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

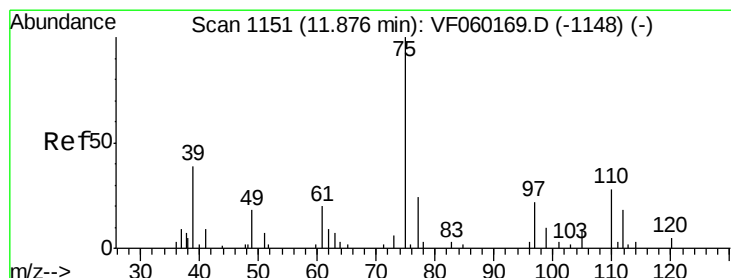
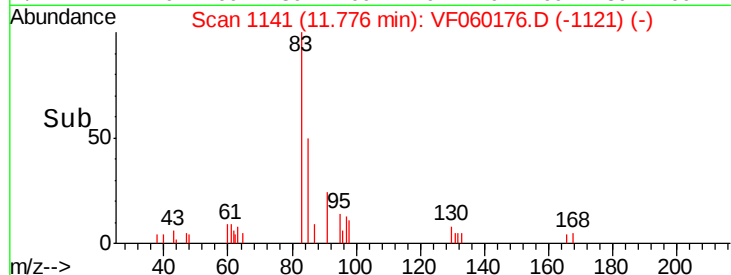
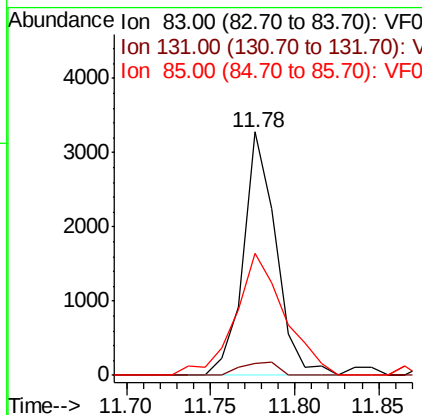
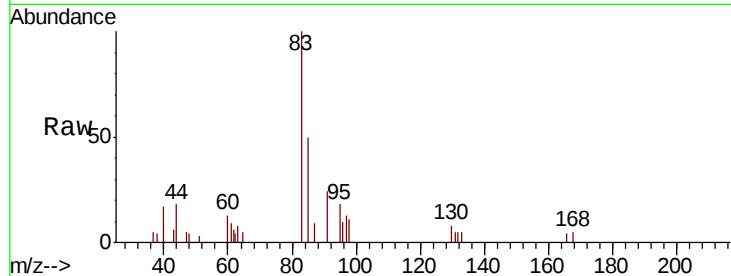
ClientSampleId :

VF0829SBS01

Tot Ion:	83	Resp:	4427
Ion Ratio	Lower	Upper	
83	100		
131	5.0	4.0	12.0
85	49.9	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 21.40 ug/l

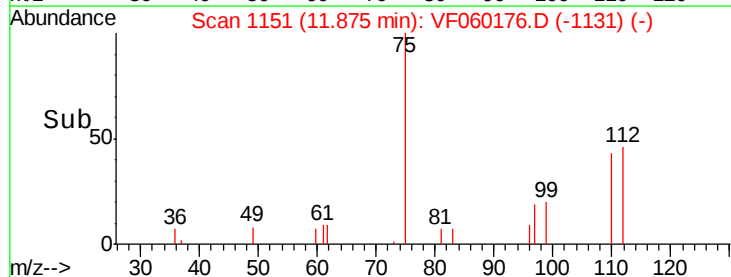
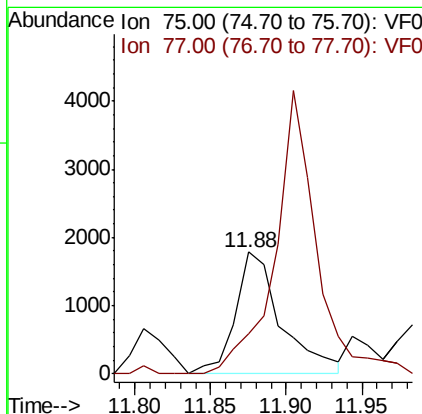
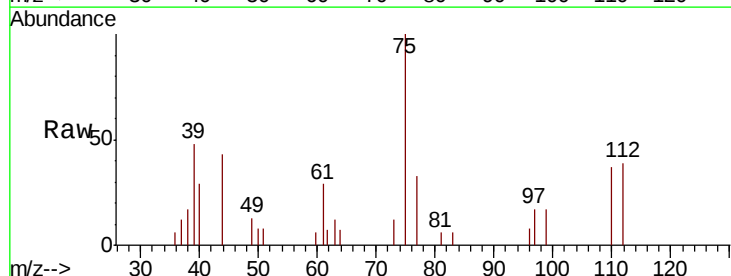
RT: 11.88 min Scan# 1151

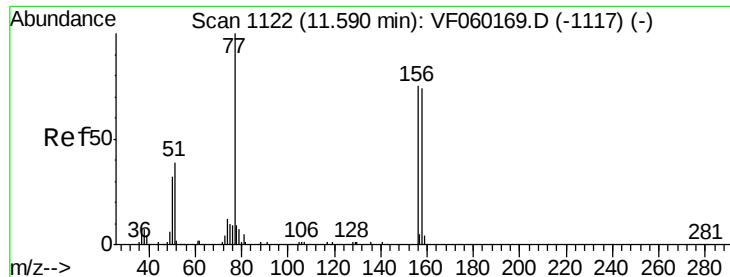
Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	75	Resp:	3795
Ion Ratio	Lower	Upper	
75	100		
77	33.1	12.8	38.3





#77

Bromobenzene

Concen: 18.61 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

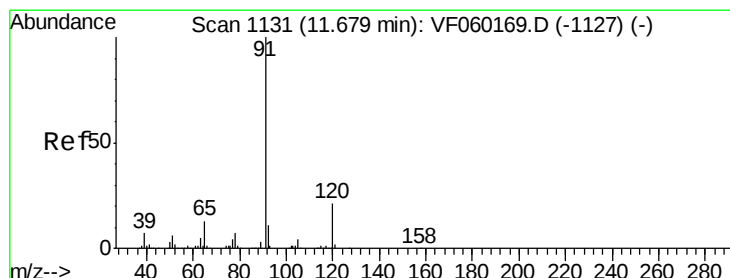
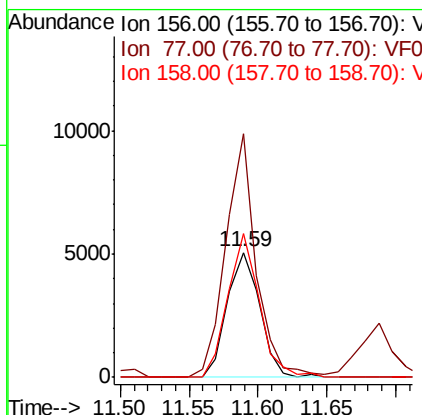
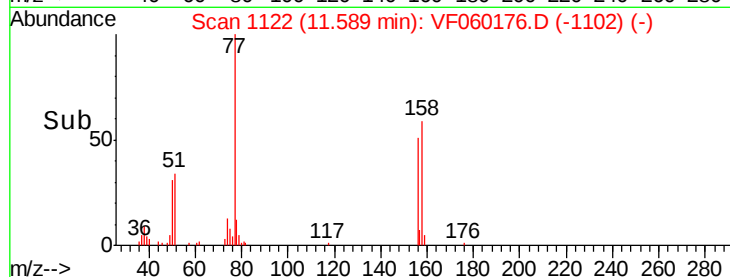
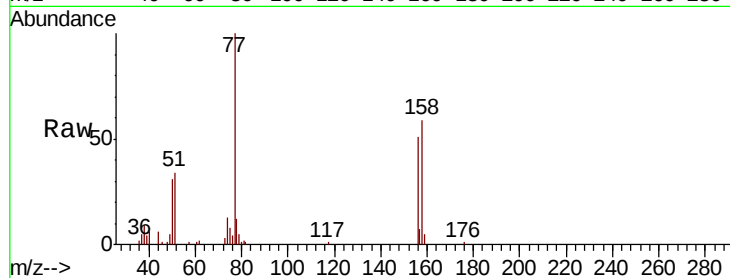
ClientSampleId :

VF0829SBS01

Tot Ion:	156	Resp:	8353
Ion Ratio	Lower	Upper	
156	100		
77	194.5	66.8	200.6
158	114.5	49.7	149.1

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#78

n-propylbenzene

Concen: 22.06 ug/l

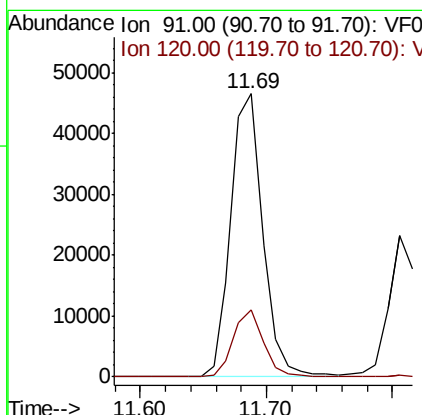
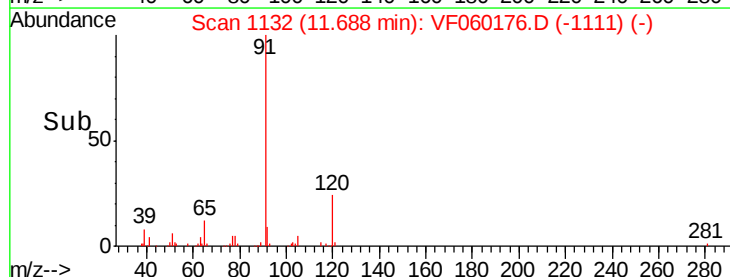
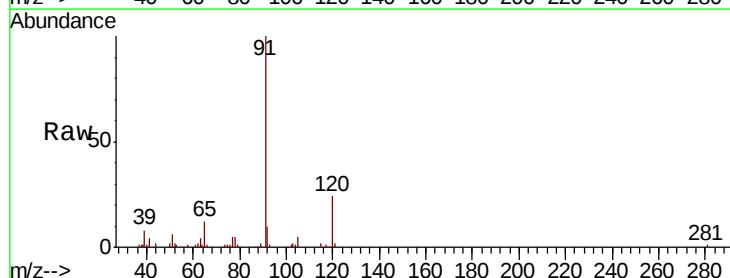
RT: 11.69 min Scan# 1132

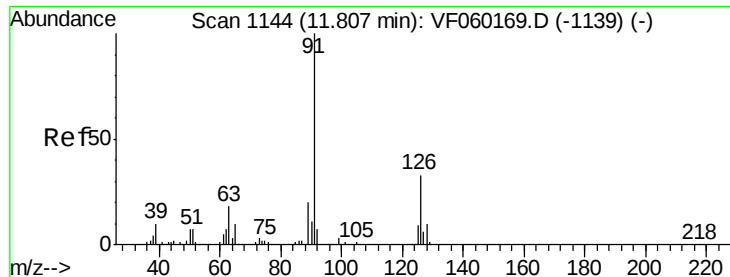
Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Tgt Ion:	91	Resp:	81853
Ion Ratio	Lower	Upper	
91	100		
120	23.8	10.8	32.3





#79

2-Chlorotoluene

Concen: 21.71 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion: 91 Resp: 37441

Ion Ratio Lower Upper

91 100

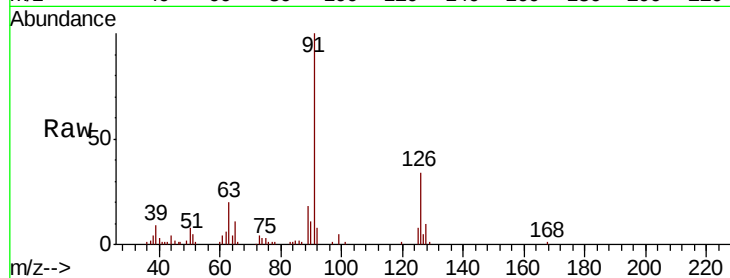
126 33.8 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

25000

20000

15000

10000

5000

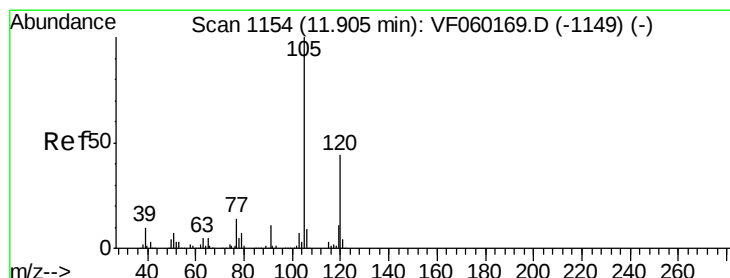
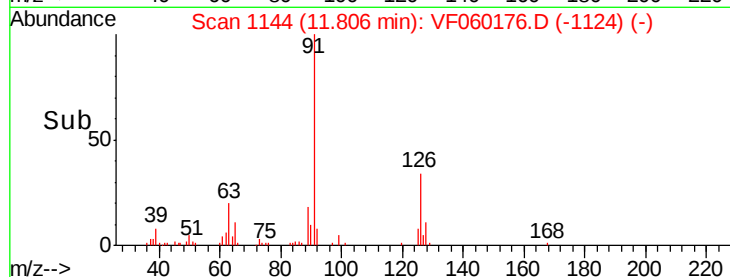
0

11.70

11.81

11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.71 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF060176.D

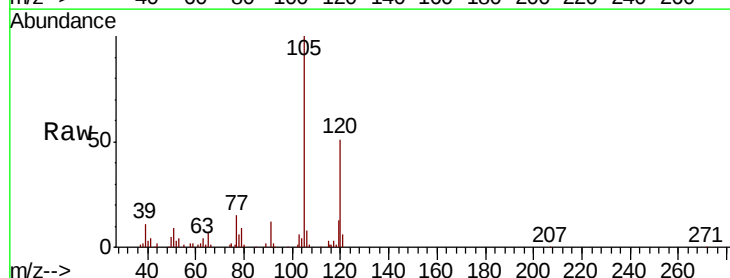
Acq: 29 Aug 2018 5:32

Tgt Ion:105 Resp: 48378

Ion Ratio Lower Upper

105 100

120 50.6 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

10000

5000

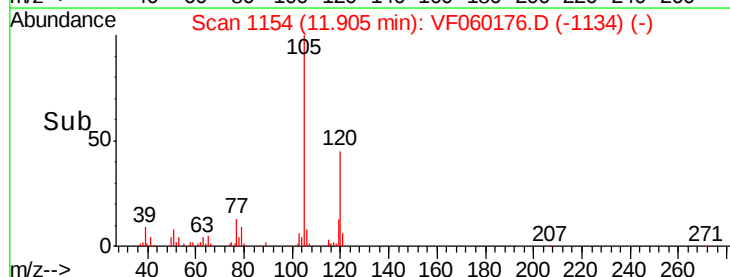
0

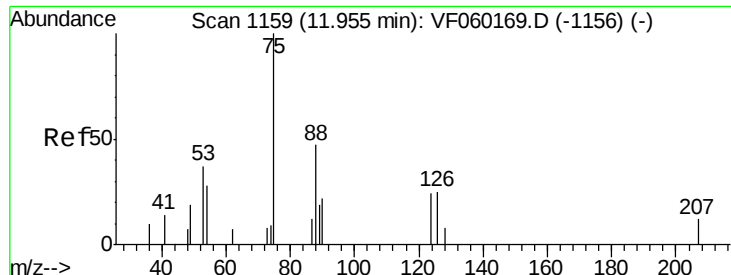
11.80

11.90

12.00

Time-->





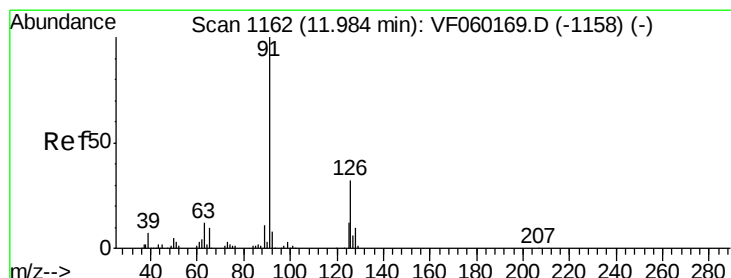
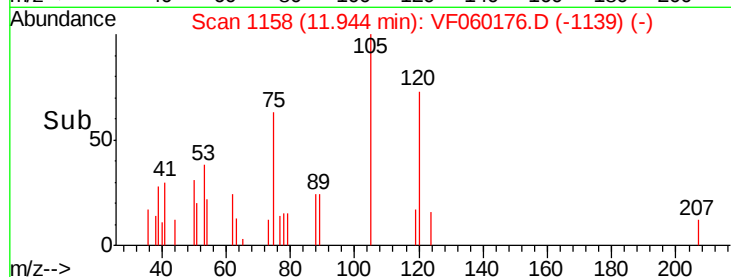
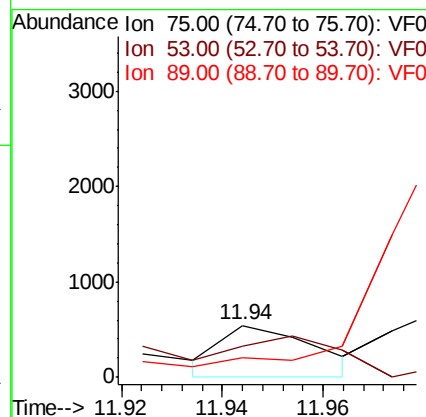
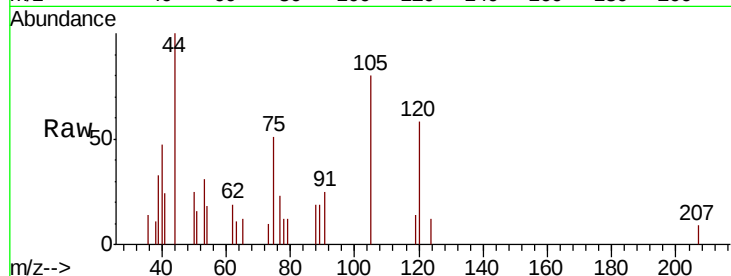
#81
trans-1,4-Dichloro-2-butene
Concen: 17.13 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	60.5	53.4	80.0
89	37.7	28.9	43.3

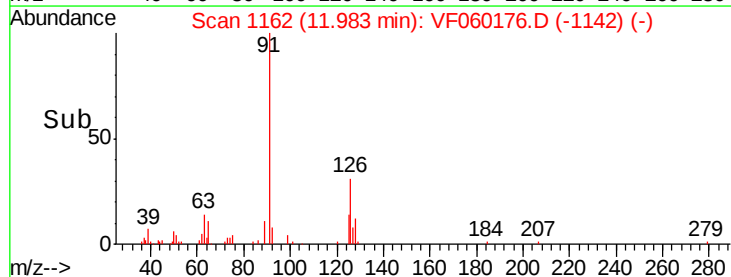
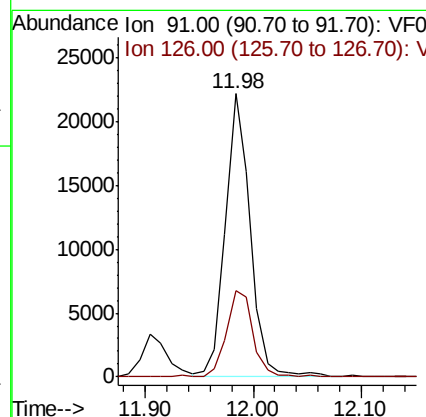
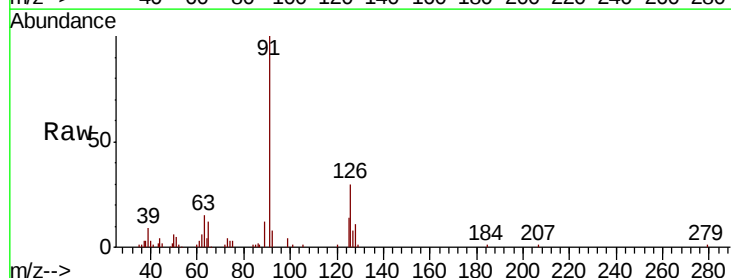
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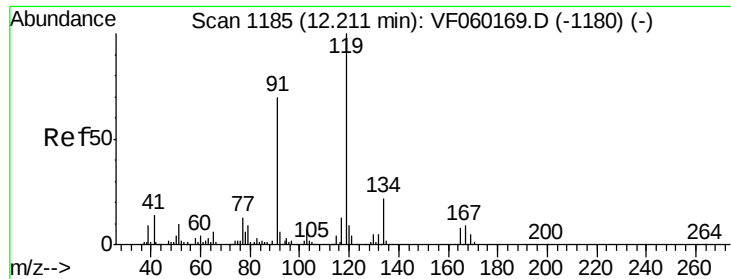
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#82
4-Chlorotoluene
Concen: 20.92 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	16.1	48.2





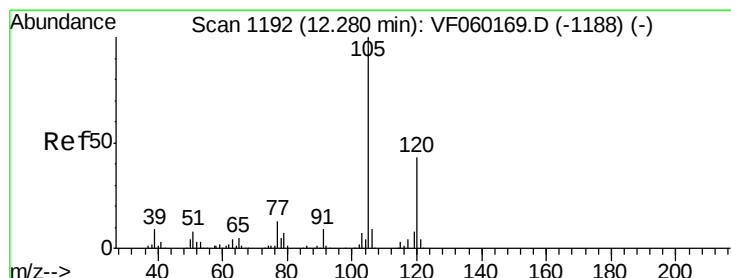
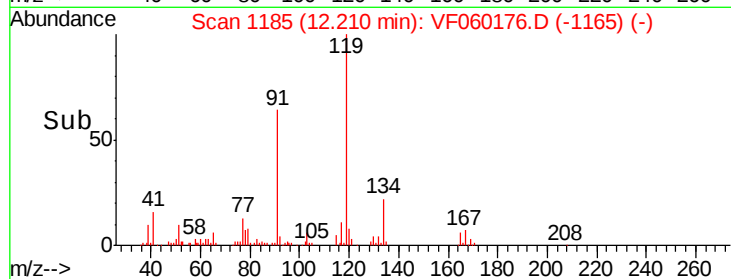
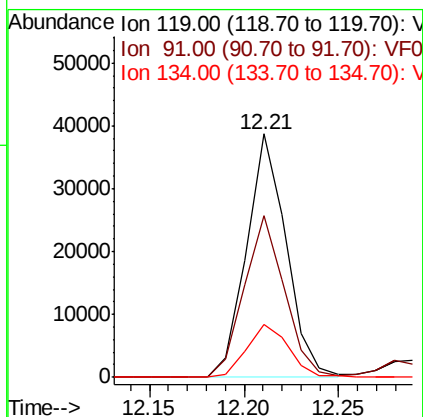
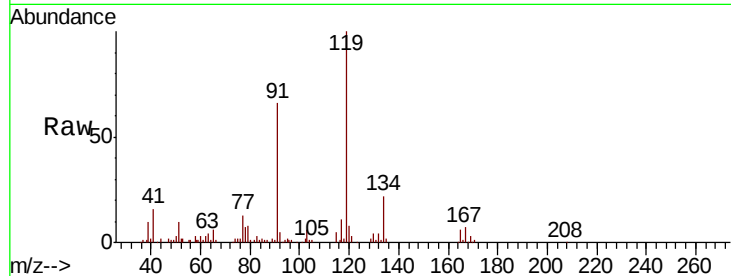
#83
 tert-Butylbenzene
 Concen: 23.06 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	35.3	105.7
134	21.9	11.2	33.5

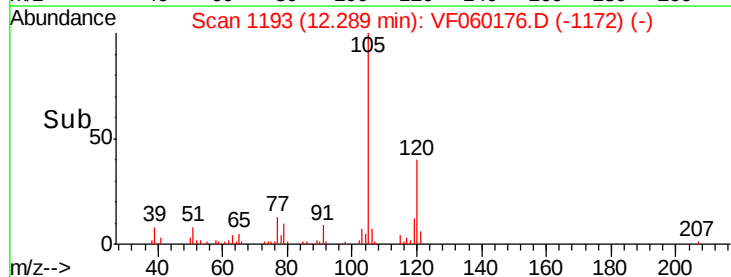
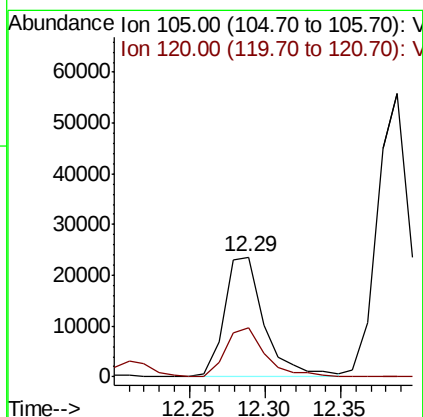
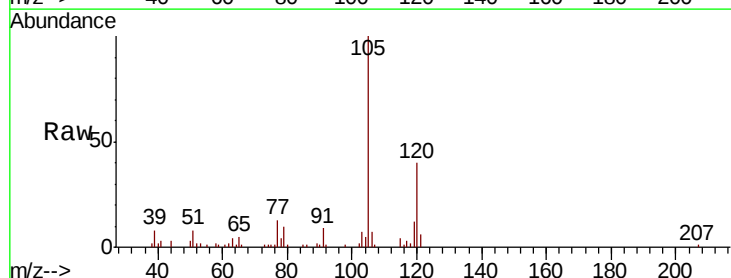
Manual Integrations
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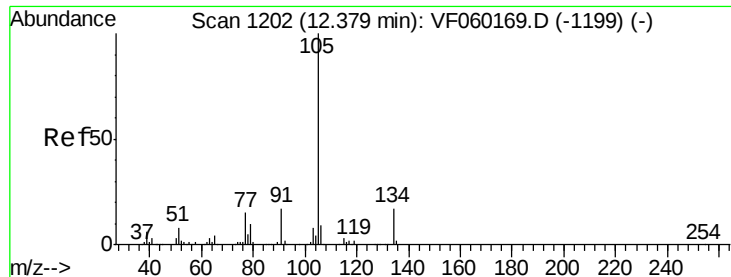
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.82 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 23.65 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

Instrument :

MSVOA_F

ClientSampleId :

VF0829SBS01

Tot Ion:105 Resp: 86678

Ion Ratio Lower Upper

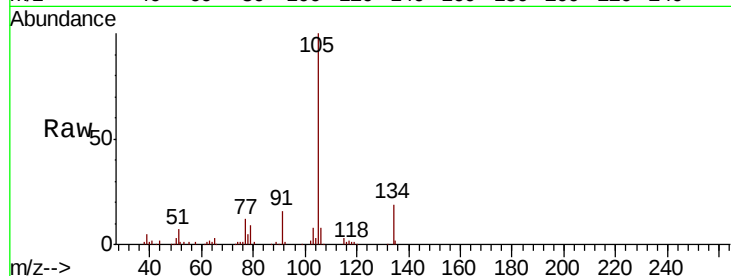
105 100

134 18.9 8.4 25.2

Manual Integrations
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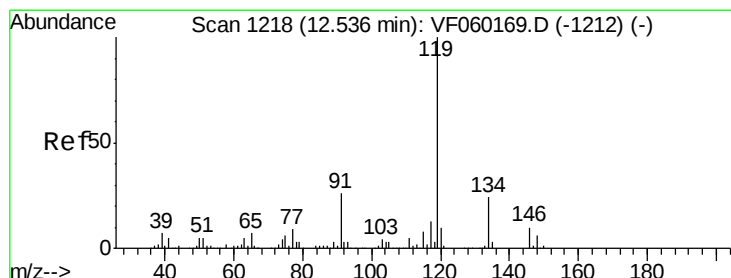
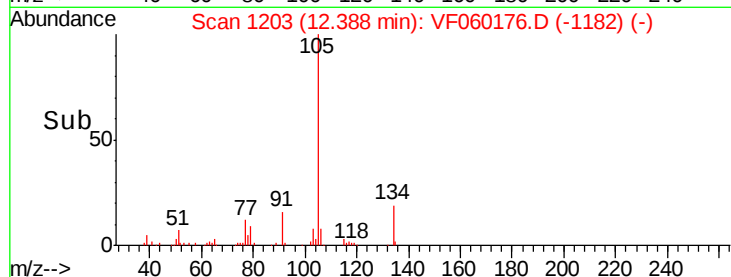
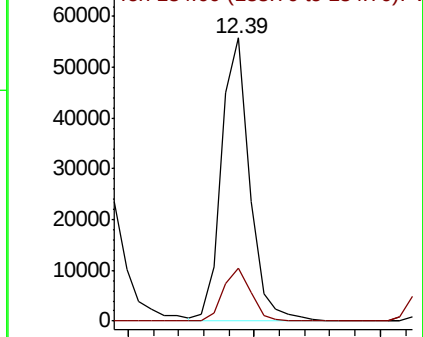
apatel

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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: 21.80 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060176.D

Acq: 29 Aug 2018 5:32

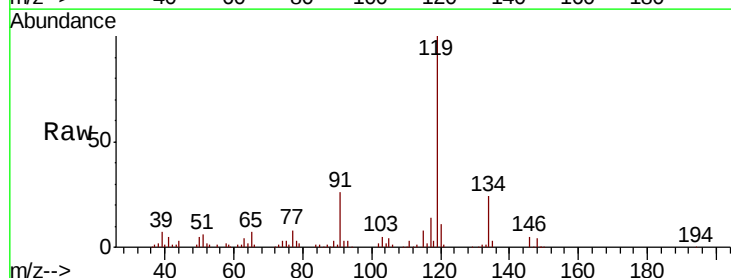
Tgt Ion:119 Resp: 59283

Ion Ratio Lower Upper

119 100

134 23.7 11.9 35.9

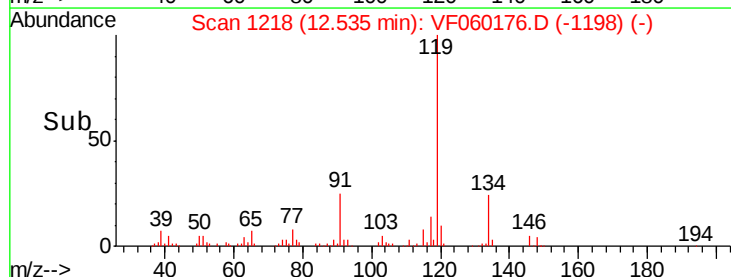
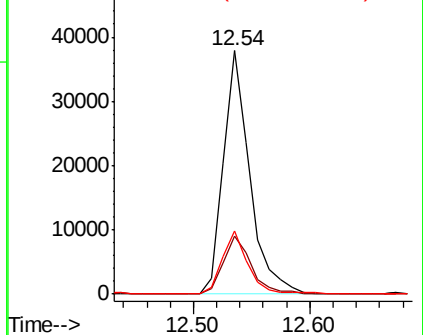
91 25.8 13.0 39.0

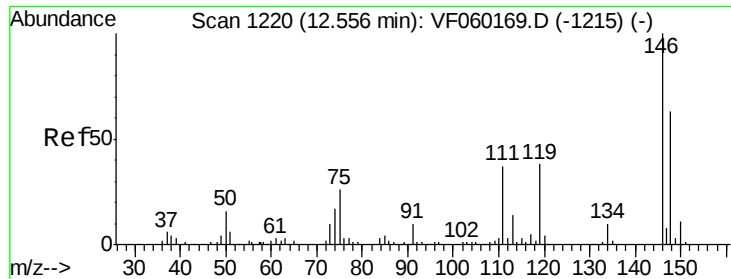


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





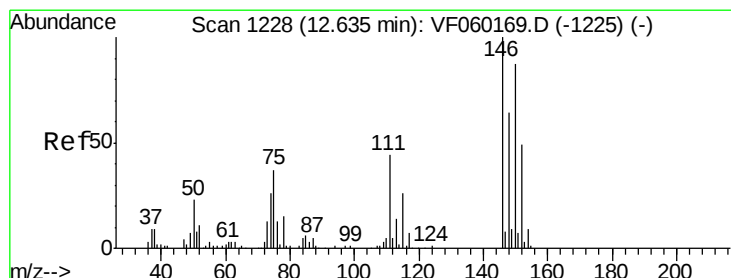
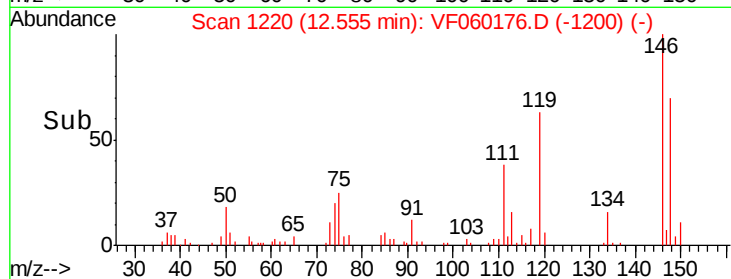
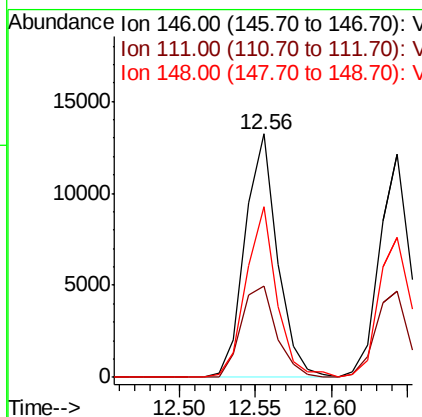
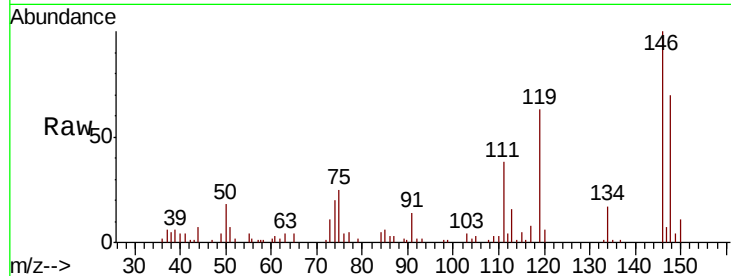
#87
 1,3-Dichlorobenzene
 Concen: 20.57 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	70.2	31.6	94.8

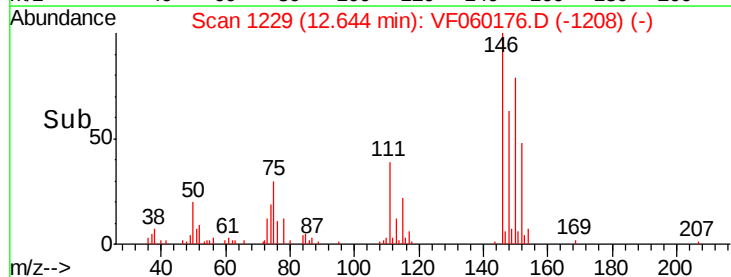
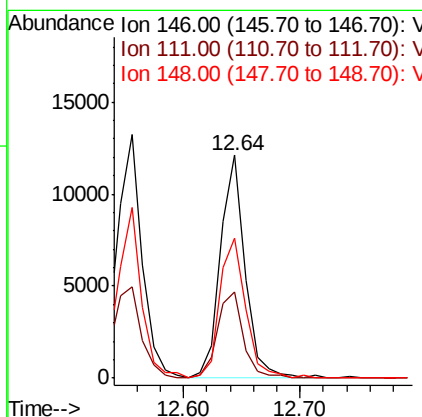
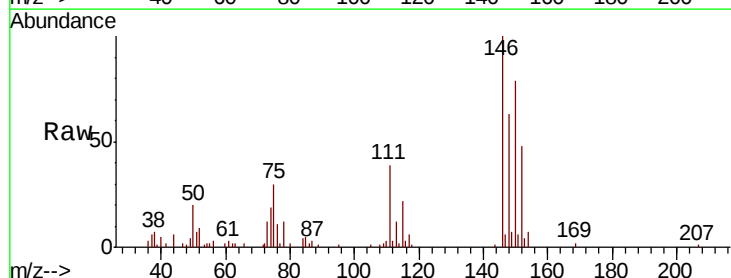
Manual Integrations
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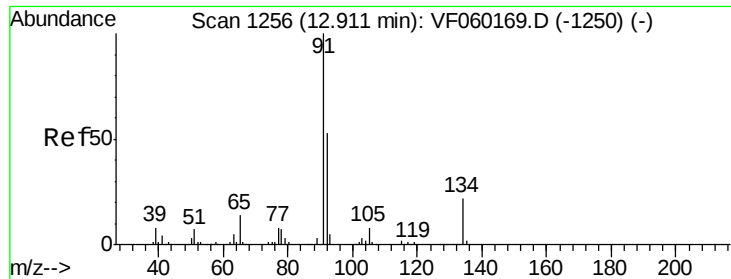
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	22.1	66.3
148	62.8	32.0	96.2





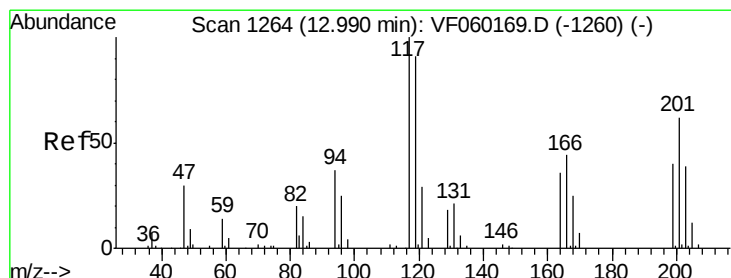
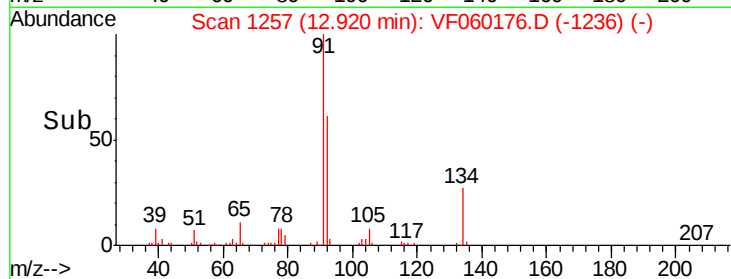
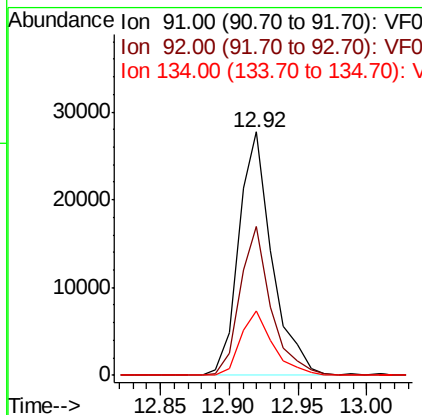
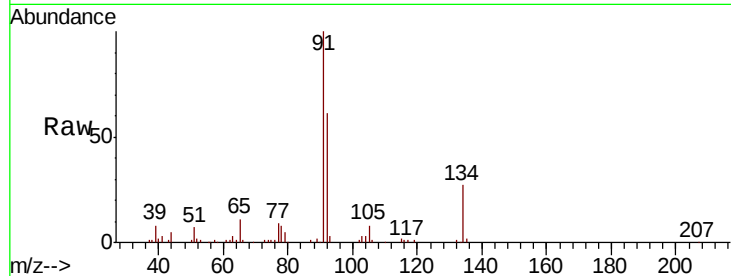
#89
n-Butylbenzene
Concen: 20.01 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.0	26.7	80.0
134	26.6	11.0	33.0

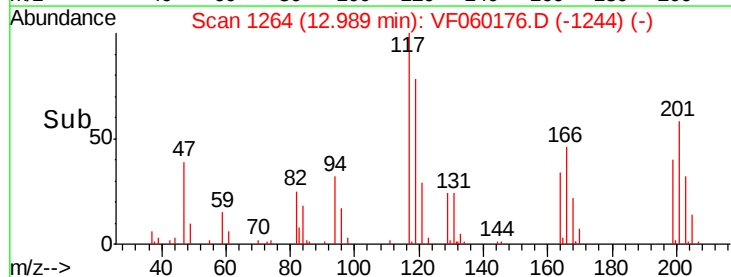
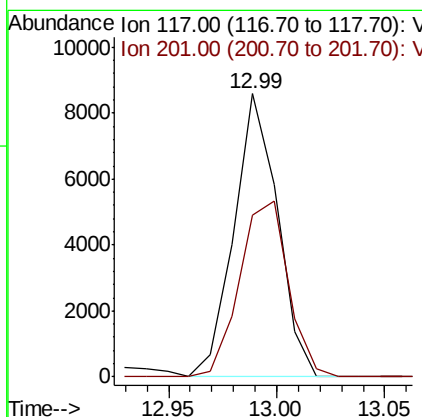
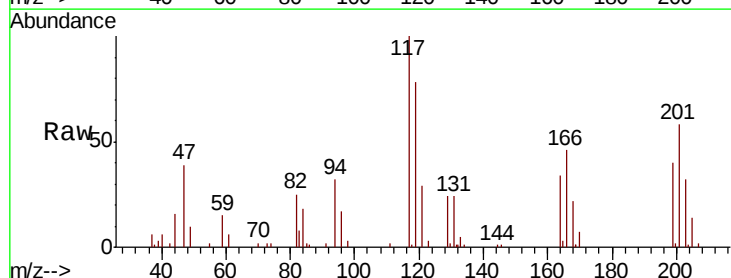
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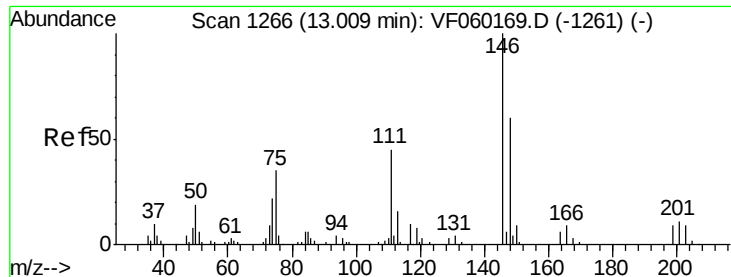
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#90
Hexachloroethane
Concen: 20.74 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.3	32.0	96.2





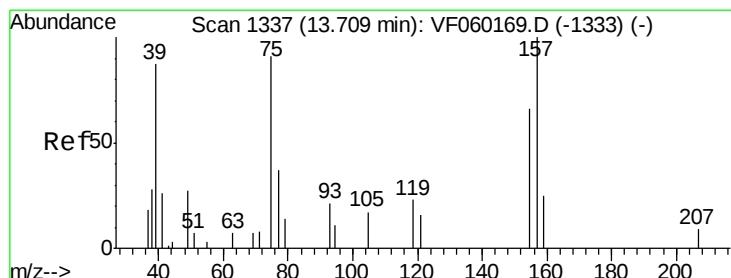
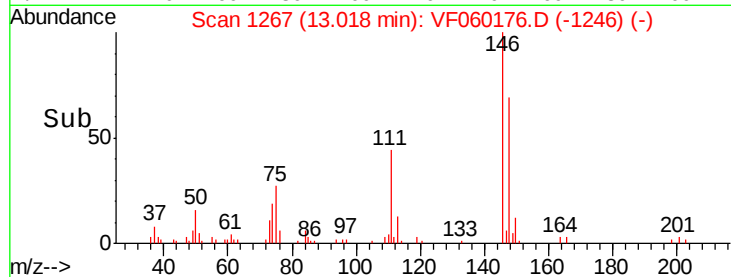
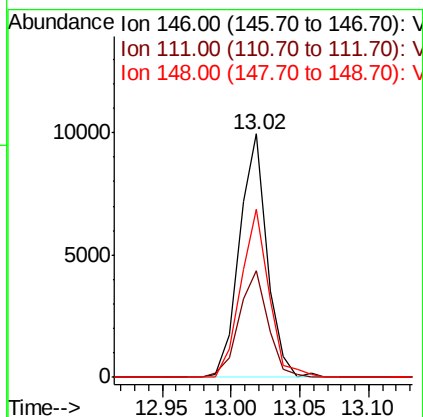
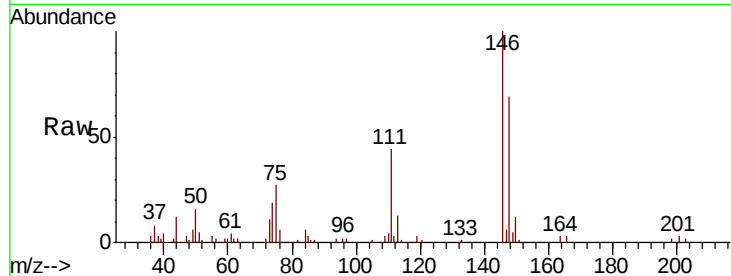
#91
 1,2-Dichlorobenzene
 Concen: 18.74 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.7	68.1
148	69.0	30.0	90.1

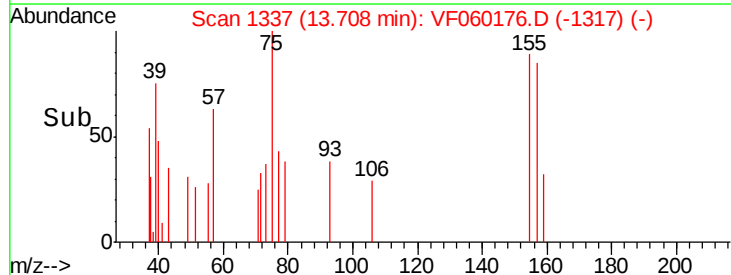
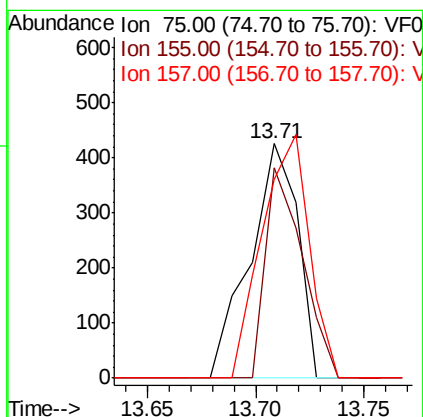
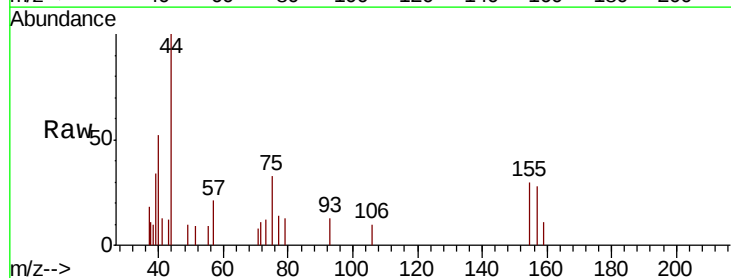
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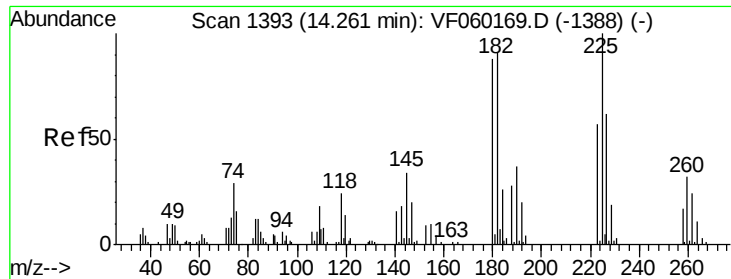
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.46 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	36.0	108.0
157	84.7	54.9	164.5





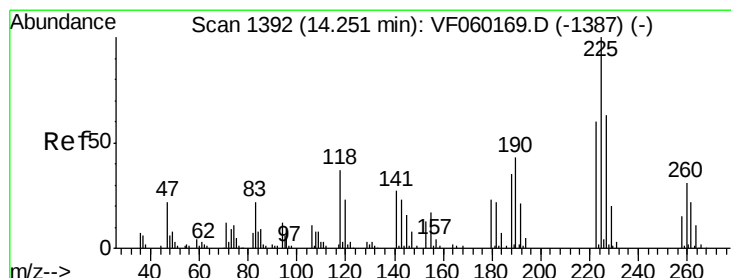
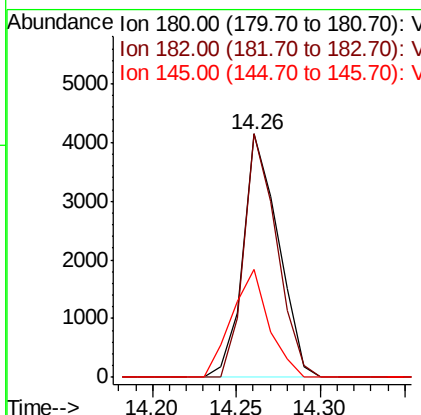
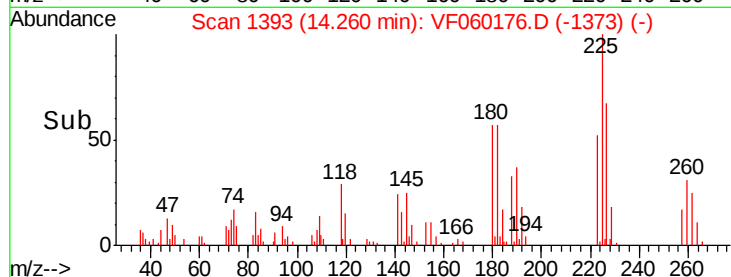
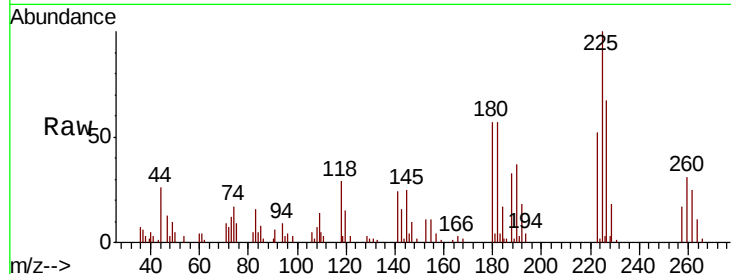
#93
 1,2,4-Trichlorobenzene
 Concen: 18.98 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6036		
182	100.1	51.8	155.5	
145	44.4	19.3	57.9	

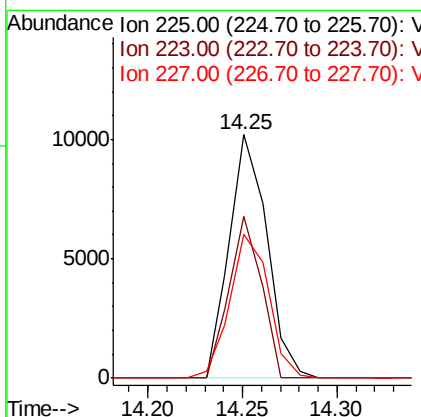
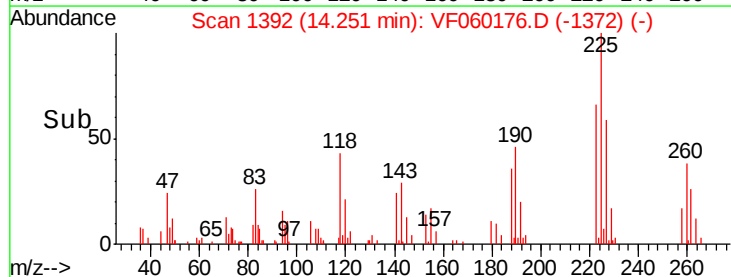
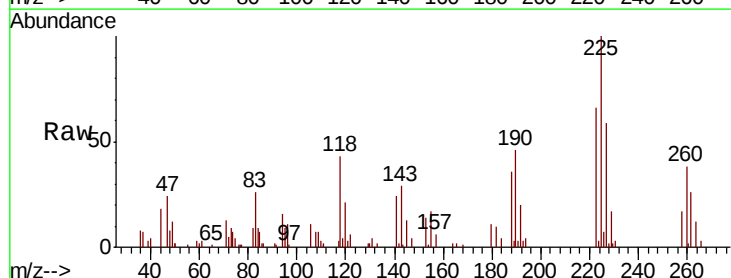
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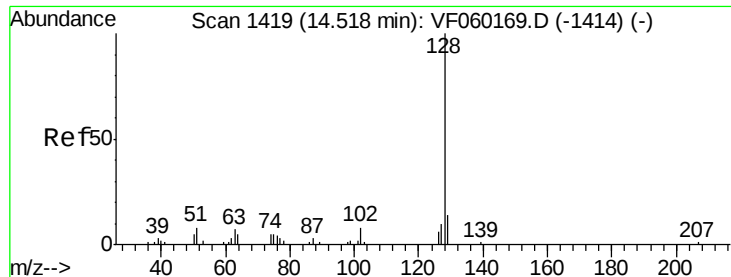
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#94
 Hexachlorobutadiene
 Concen: 21.41 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF060176.D
 Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14056		
223	66.5	30.0	90.0	
227	58.8	31.4	94.2	





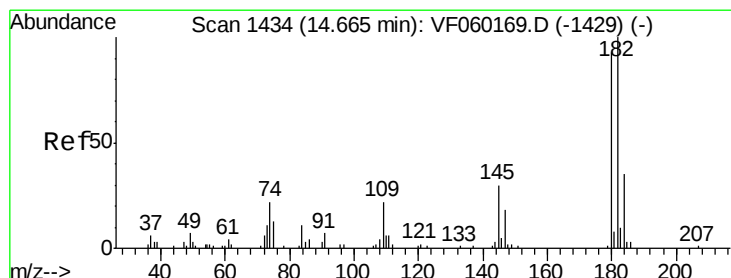
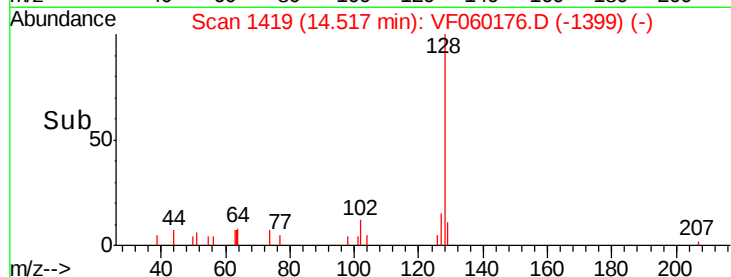
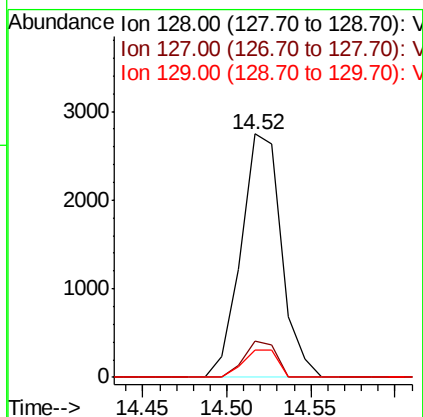
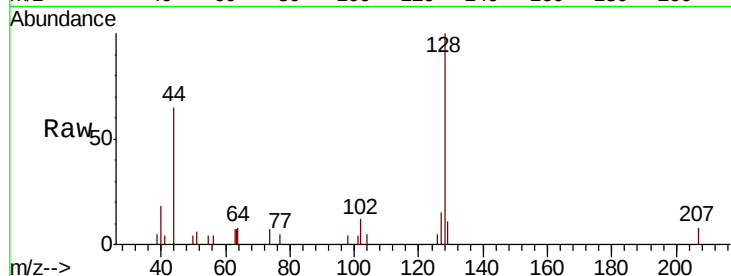
#95
Naphthalene
Concen: 20.19 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Instrument :
MSVOA_F
ClientSampleId :
VF0829SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	8.3	12.5#
129	11.0	11.5	17.3#

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.93 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF060176.D
Acq: 29 Aug 2018 5:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	53.6	160.8
145	25.3	16.2	48.6

