

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060167.D
 Acq On : 29 Aug 2018 00:32
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:01:25 PM

Quant Time: Aug 29 02:20:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:08:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	78319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	92370	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	78145	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	41446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	5218	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	4.27	113	5887	8.33	ug/l	0.00
Spiked Amount			Recovery	=	16.66%	
50) Toluene-d8	7.70	98	19652	9.48	ug/l	0.00
Spiked Amount			Recovery	=	18.96%	
62) 4-Bromofluorobenzene	11.50	95	7768	7.49	ug/l	0.00
Spiked Amount			Recovery	=	14.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	15207	13.29	ug/l	95
3) Chloromethane	1.07	50	5677	7.65	ug/l	91
4) Vinyl Chloride	1.12	62	5982	9.40	ug/l #	76
5) Bromomethane	1.32	94	2679	5.89	ug/l	84
6) Chloroethane	1.41	64	3373	12.38	ug/l	97
7) Trichlorofluoromethane	1.49	101	27362	17.99	ug/l	92
8) Diethyl Ether	1.69	74	976	4.69	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	11991	15.65	ug/l	92
10) Methyl Iodide	1.93	142	5228	6.31	ug/l #	85
11) Tert butyl alcohol	2.62	59	387	7.94	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	7165	13.27	ug/l	81
13) Acrolein	2.07	56	625	25.35	ug/l #	63
14) Allyl chloride	2.18	41	5442	6.44	ug/l	90
15) Acrylonitrile	3.04	53	1149	11.63	ug/l #	87
16) Acetone	2.31	43	3915	16.04	ug/l	99
17) Carbon Disulfide	1.84	76	20588	12.08	ug/l	97
18) Methyl Acetate	2.43	43	1670	3.48	ug/l #	67
19) Methyl tert-butyl Ether	2.50	73	5595	3.96	ug/l #	88
20) Methylene Chloride	2.27	84	5162	8.30	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	6107	10.53	ug/l	87
22) Diisopropyl ether	2.89	45	9358	5.16	ug/l #	83
23) Vinyl Acetate	3.30	43	11773	13.03	ug/l #	87
24) 1,1-Dichloroethane	2.99	63	11332	9.46	ug/l #	95
25) 2-Butanone	4.46	43	2844	9.03	ug/l	100
26) 2,2-Dichloropropane	3.74	77	7645	6.43	ug/l	83
27) cis-1,2-Dichloroethene	3.62	96	4252	5.80	ug/l	94
28) Bromochloromethane	3.88	49	2430m	5.18	ug/l	
29) Tetrahydrofuran	4.23	42	1555	12.94	ug/l #	89
30) Chloroform	4.01	83	13316	8.18	ug/l #	80
31) Cyclohexane	3.86	56	8953	9.26	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	16914	11.16	ug/l #	80
36) 1,1-Dichloropropene	4.44	75	11628	12.47	ug/l	90
37) Ethyl Acetate	4.25	43	1811	3.95	ug/l #	36
38) Carbon Tetrachloride	4.15	117	15948	13.90	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	10326	11.34	ug/l	93
40) Benzene	4.79	78	16216	8.65	ug/l	90
41) Methacrylonitrile	4.89	41	836	3.56	ug/l #	61
42) 1,2-Dichloroethane	5.09	62	6593	6.95	ug/l	99
43) Isopropyl Acetate	7.09	43	2110	3.69	ug/l #	87
44) Trichloroethene	5.67	130	6708	10.30	ug/l	100
45) 1,2-Dichloropropane	6.38	63	3753	7.42	ug/l #	78
46) Dibromomethane	6.23	93	2128	5.56	ug/l #	74
47) Bromodichloromethane	6.53	83	7403	7.69	ug/l #	83
48) Methyl methacrylate	6.86	41	1748	4.58	ug/l #	88
49) 1,4-Dioxane	6.84	88	216	59.75	ug/l #	20
51) 4-Methyl-2-Pentanone	8.39	43	8549	17.17	ug/l	91
52) Toluene	7.77	92	12783	9.18	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	3708	4.41	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	5076	5.42	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	2245	4.89	ug/l #	85
56) Ethyl methacrylate	8.75	69	1747	3.21	ug/l	94
57) 1,3-Dichloropropane	8.99	76	3971	4.92	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.77	63	2730	53.51	ug/l	100
59) 2-Hexanone	9.62	43	5951	14.86	ug/l	96
60) Dibromochloromethane	8.85	129	3867	5.59	ug/l	72
61) 1,2-Dibromoethane	9.13	107	2542	4.73	ug/l #	62
64) Tetrachloroethene	8.30	164	9084	15.06	ug/l #	88
65) Chlorobenzene	9.93	112	15064	10.08	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	5465	9.75	ug/l	80
67) Ethyl Benzene	10.03	91	33514	12.08	ug/l	100
68) m/p-Xylenes	10.26	106	22104	21.30	ug/l	99
69) o-Xylene	10.82	106	9666	9.55	ug/l	94
70) Styrene	10.89	104	11731	7.78	ug/l	93
71) Bromoform	10.88	173	1472	4.09	ug/l	88
73) Isopropylbenzene	11.23	105	39852	13.82	ug/l	98
74) N-amyl acetate	11.45	43	3136	4.55	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.78	83	3014	6.04	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	2299m	5.80	ug/l	
77) Bromobenzene	11.59	156	6269	9.28	ug/l	93
78) n-propylbenzene	11.68	91	47320	13.43	ug/l	95
79) 2-Chlorotoluene	11.81	91	22775	11.69	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	31013	12.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	526m	3.09	ug/l	
82) 4-Chlorotoluene	11.98	91	23068	11.17	ug/l	100
83) tert-Butylbenzene	12.21	119	33649	14.19	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	26520	10.81	ug/l	99
85) sec-Butylbenzene	12.38	105	49185	14.42	ug/l	95
86) p-Isopropyltoluene	12.54	119	34538	12.51	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	13017	10.15	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	12639	10.07	ug/l	91
89) n-Butylbenzene	12.91	91	29753	11.50	ug/l	98
90) Hexachloroethane	12.99	117	7696	12.62	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	10661	8.98	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	529	5.25	ug/l #	56

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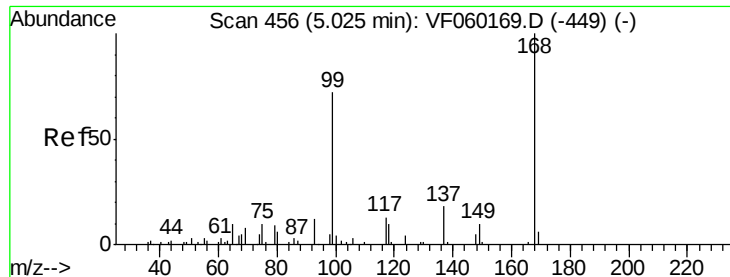
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	4360	5.36	ug/l	81
94) Hexachlorobutadiene	14.25	225	9492	15.16	ug/l	92
95) Naphthalene	14.52	128	2782	2.41	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.67	180	3250	4.26	ug/l	84

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 78319

Ion Ratio Lower Upper

168 100

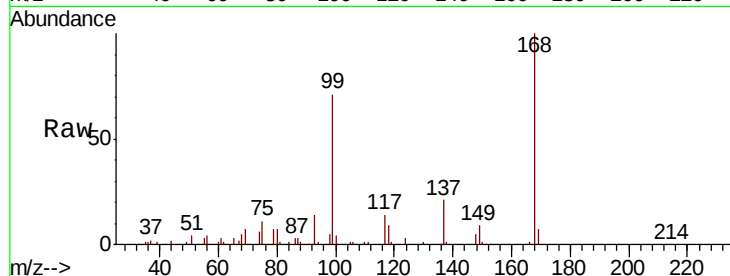
99 70.8 57.9 86.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

30000

25000

20000

15000

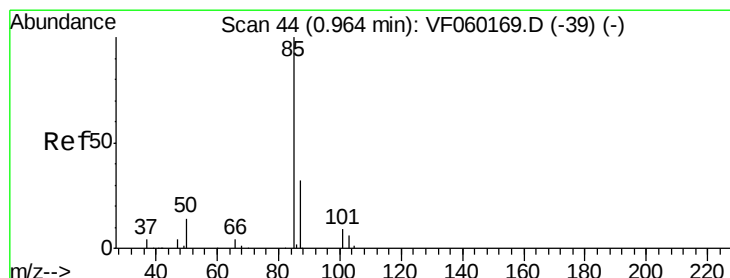
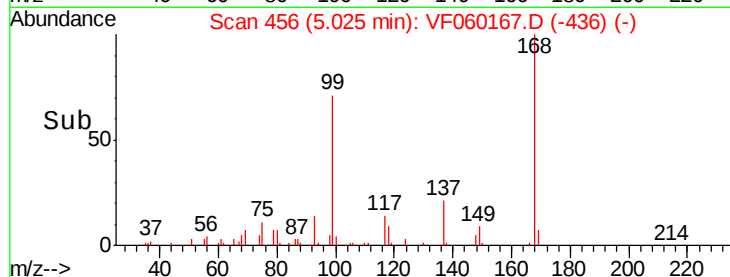
10000

5000

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4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 13.29 ug/l

RT: 0.96 min Scan# 44

Delta R.T. -0.00 min

Lab File: VF060167.D

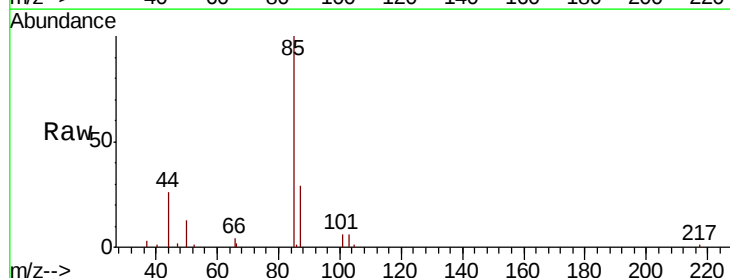
Acq: 29 Aug 2018 00:32

Tgt Ion: 85 Resp: 15207

Ion Ratio Lower Upper

85 100

87 29.2 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

10000

8000

6000

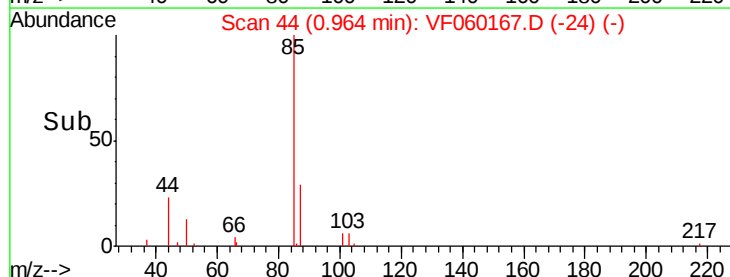
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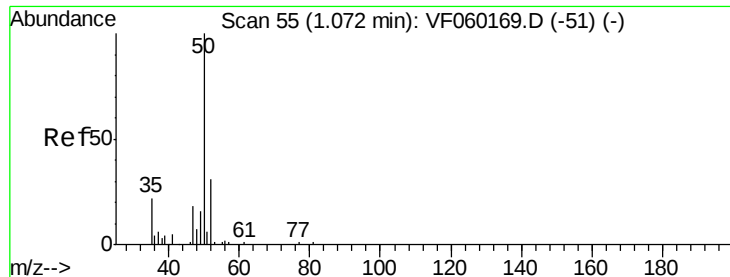
2000

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0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 7.65 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 5677

Ion Ratio Lower Upper

50 100

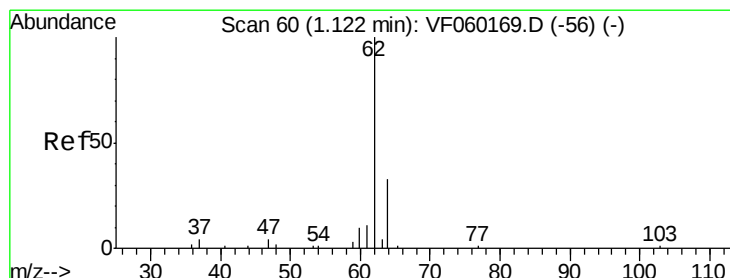
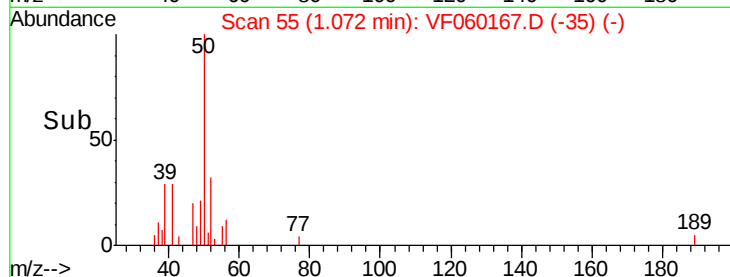
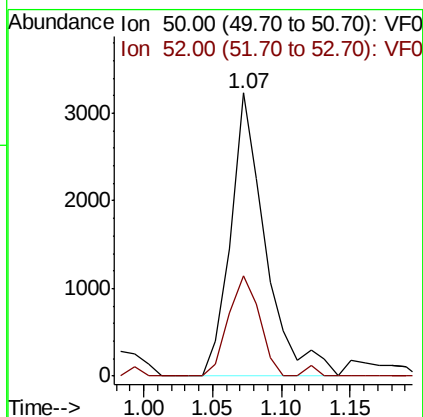
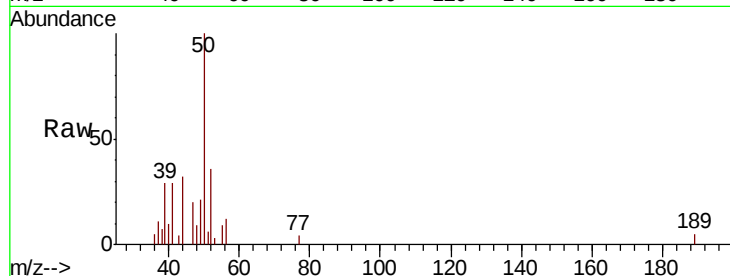
52 35.5 24.4 36.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.40 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060167.D

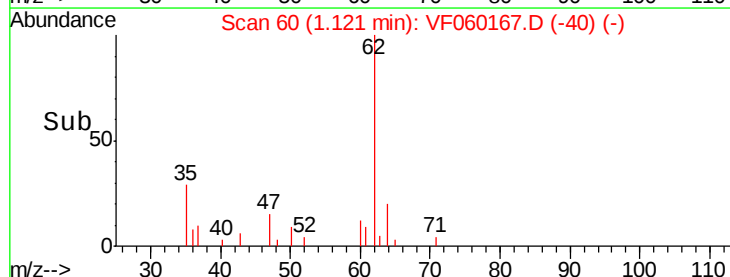
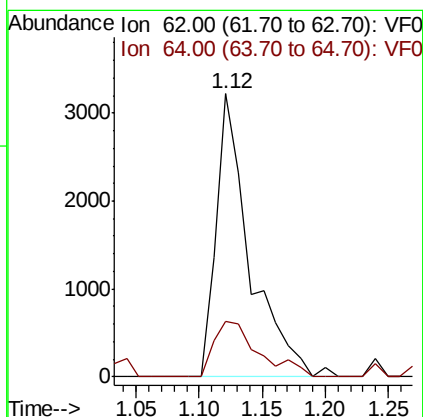
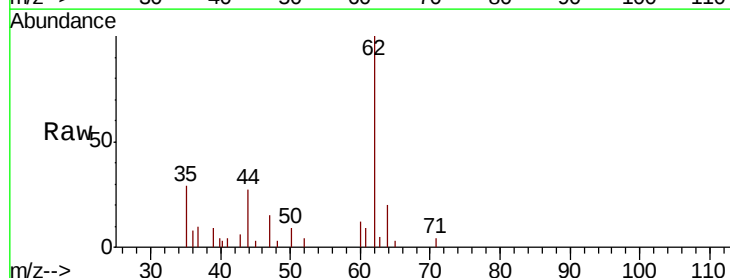
Acq: 29 Aug 2018 00:32

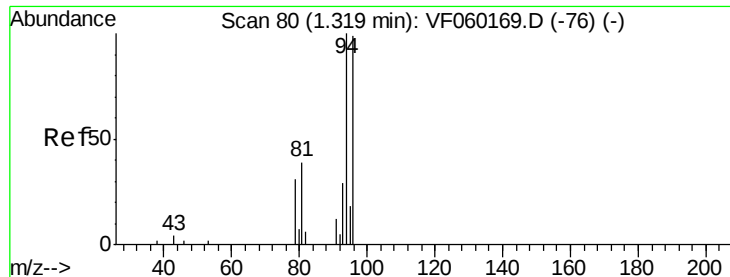
Tgt Ion: 62 Resp: 5982

Ion Ratio Lower Upper

62 100

64 19.5 26.6 39.8#





#5

Bromomethane

Concen: 5.89 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 2679

Ion Ratio Lower Upper

94 100

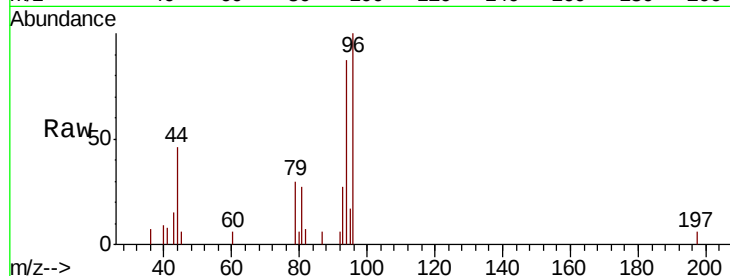
96 114.8 79.0 118.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

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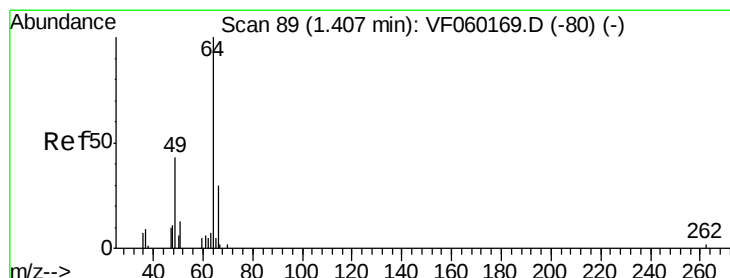
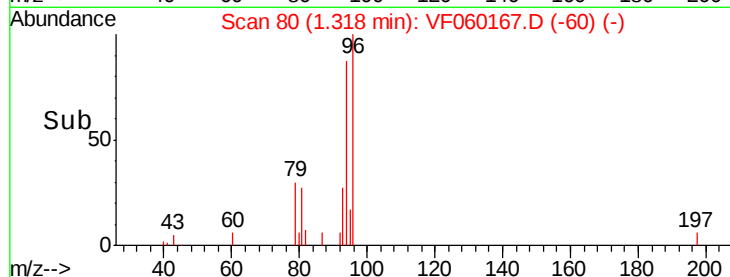
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#6

Chloroethane

Concen: 12.38 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF060167.D

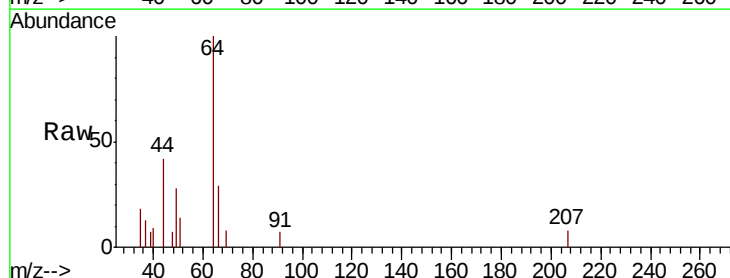
Acq: 29 Aug 2018 00:32

Tgt Ion: 64 Resp: 3373

Ion Ratio Lower Upper

64 100

66 28.7 24.2 36.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

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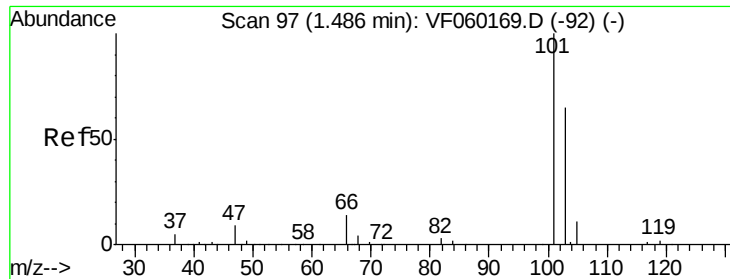
1.41

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#7

Trichlorofluoromethane

Concen: 17.99 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

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VSTDIC010

Tot Ion:101 Resp: 27362

Ion Ratio Lower Upper

101 100

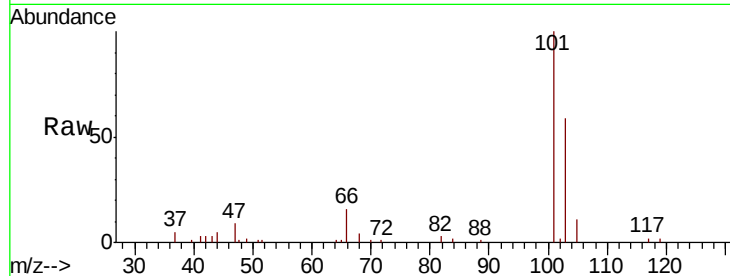
103 58.7 51.8 77.6

Manual Integrations

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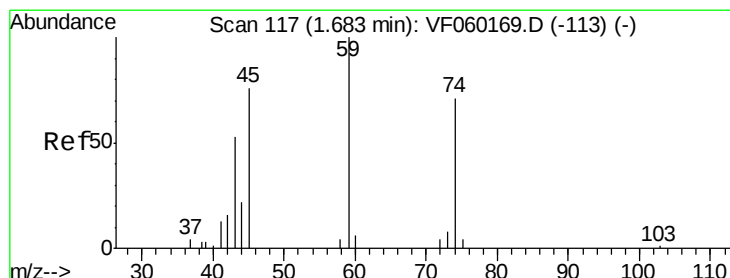
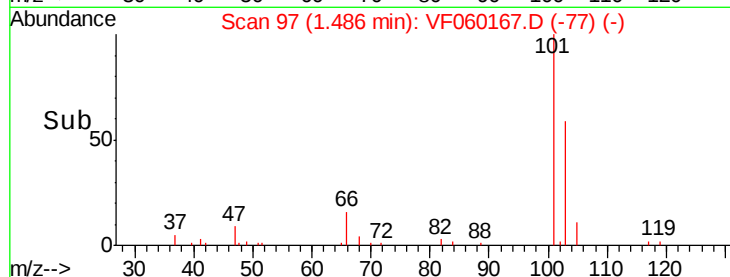
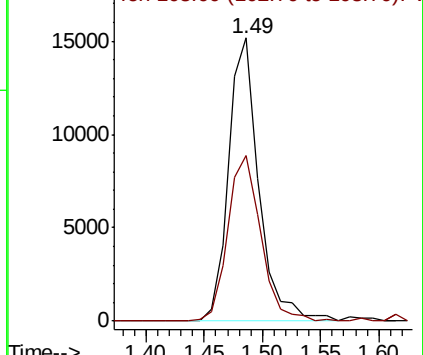
apatel

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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: 4.69 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF060167.D

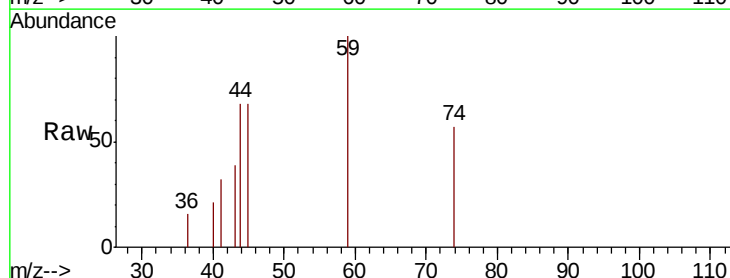
Acq: 29 Aug 2018 00:32

Tgt Ion: 74 Resp: 976

Ion Ratio Lower Upper

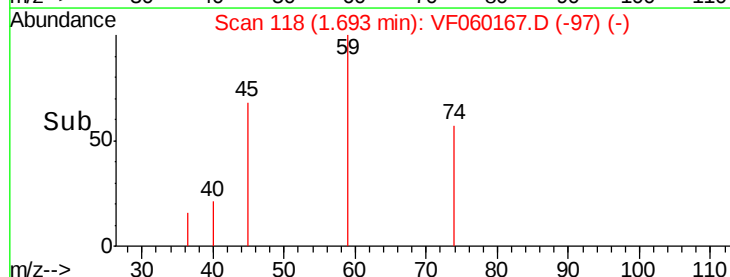
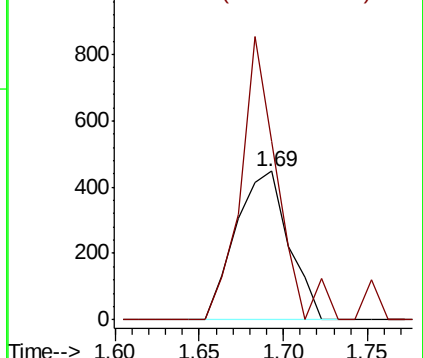
74 100

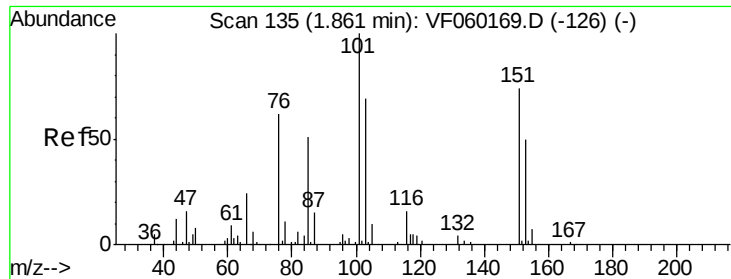
45 119.9 53.5 160.7



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: 15.65 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

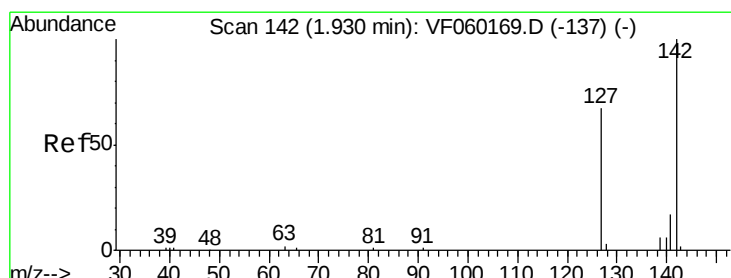
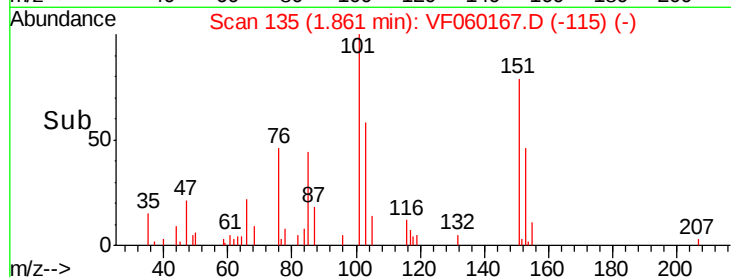
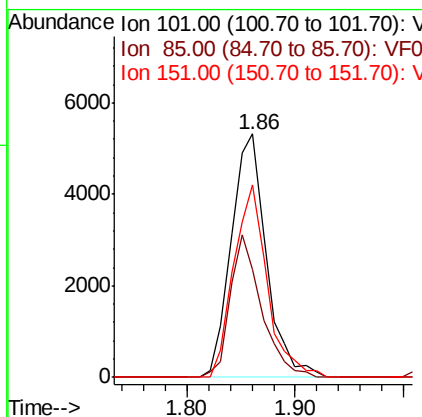
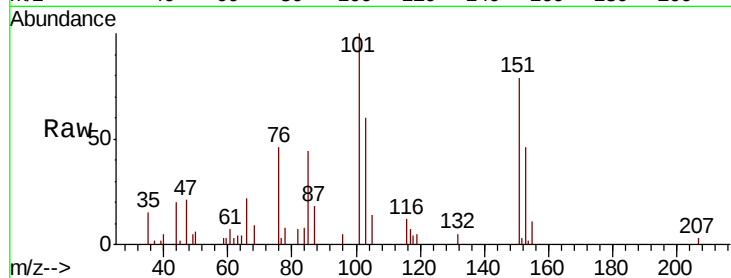
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	11991
Ion Ratio	Lower	Upper	
101	100		
85	44.5	42.2	63.2
151	79.0	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 6.31 ug/l

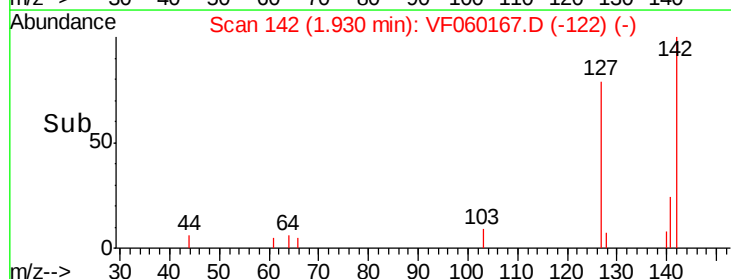
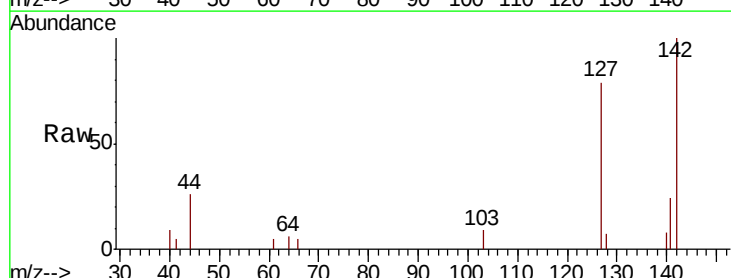
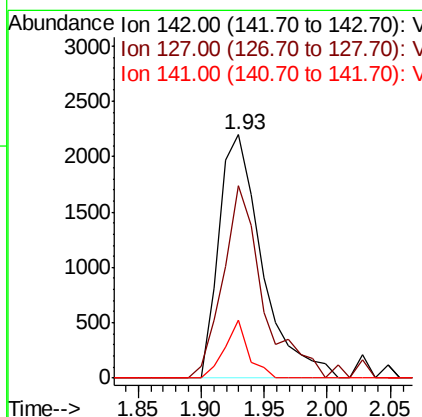
RT: 1.93 min Scan# 142

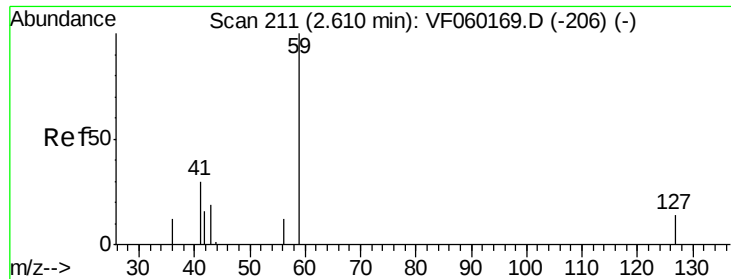
Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	142	Resp:	5228
Ion Ratio	Lower	Upper	
142	100		
127	79.2	53.9	80.9
141	23.6	13.4	20.2





#11

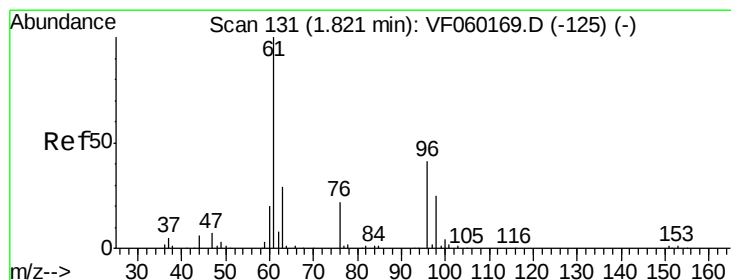
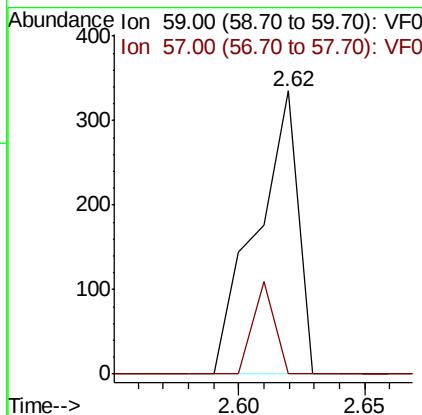
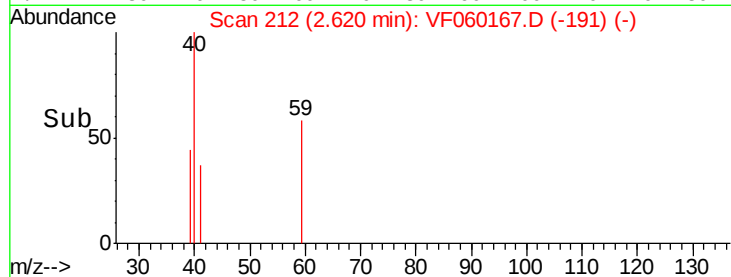
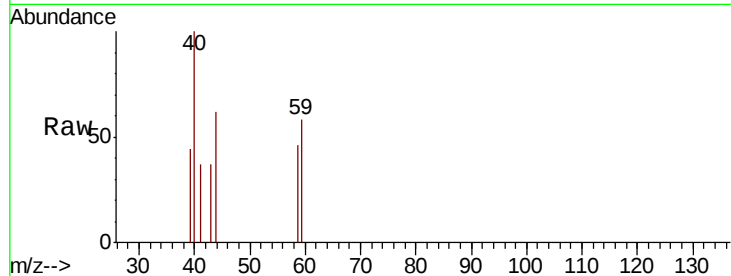
Tert butyl alcohol
Concen: 7.94 ug/l
RT: 2.62 min Scan# 212
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

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

Manual Integrations
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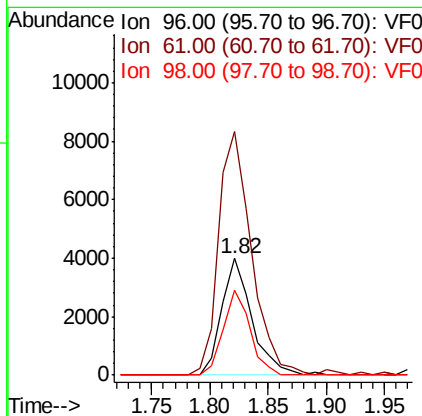
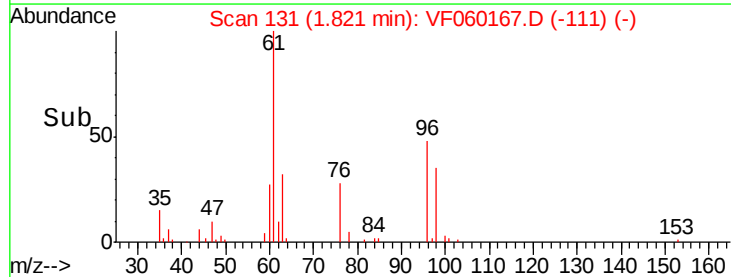
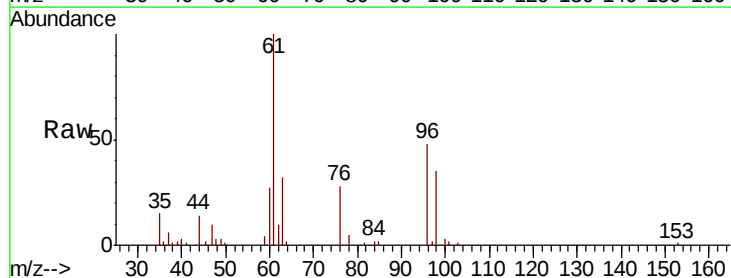
apatel
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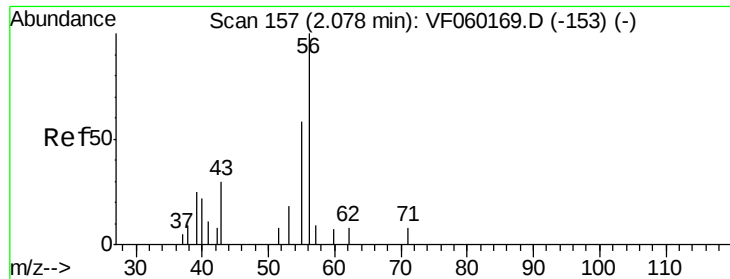


#12

1,1-Dichloroethene
Concen: 13.27 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	208.7	195.2	292.8
98	72.7	49.0	73.6





#13

Acrolein

Concen: 25.35 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 625

Ion Ratio Lower Upper

56 100

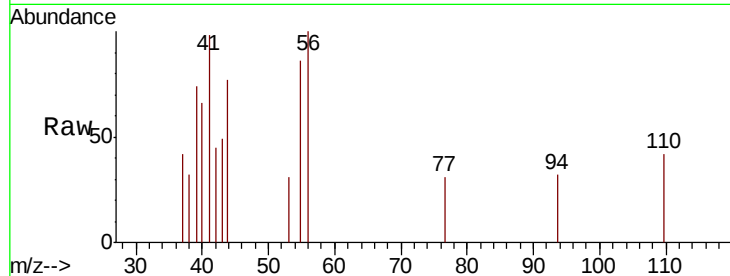
55 85.8 46.4 69.6#

Manual Integrations

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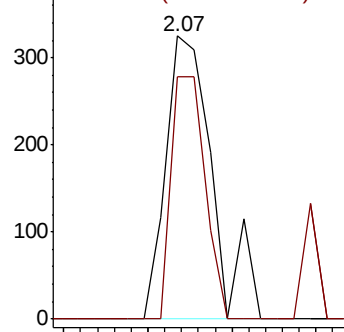
apatel

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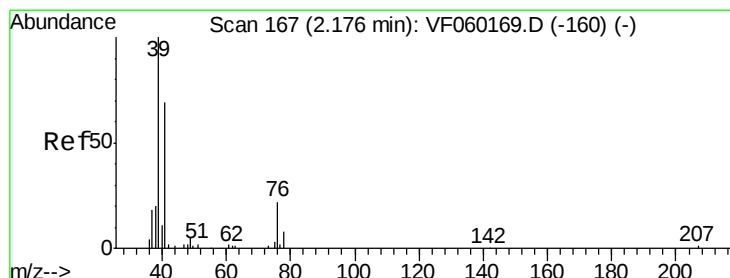
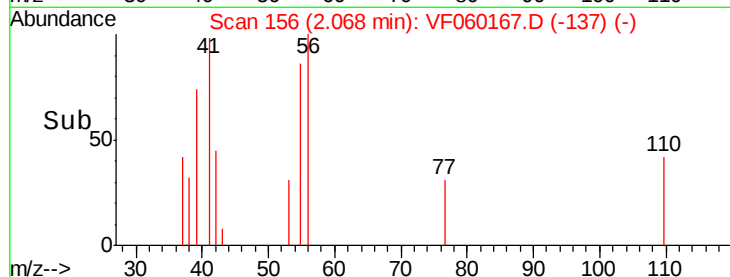


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 6.44 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

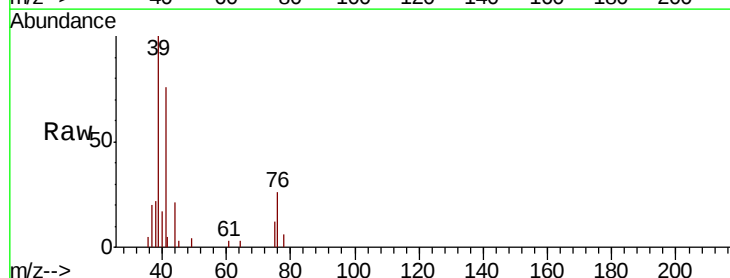
Tgt Ion: 41 Resp: 5442

Ion Ratio Lower Upper

41 100

39 132.2 117.8 176.6

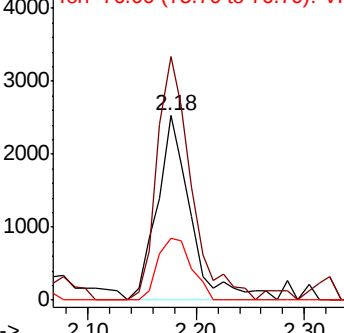
76 33.9 25.9 38.9



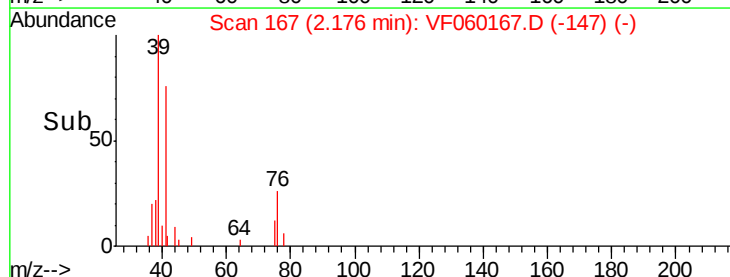
Abundance Ion 41.00 (40.70 to 41.70): VF0

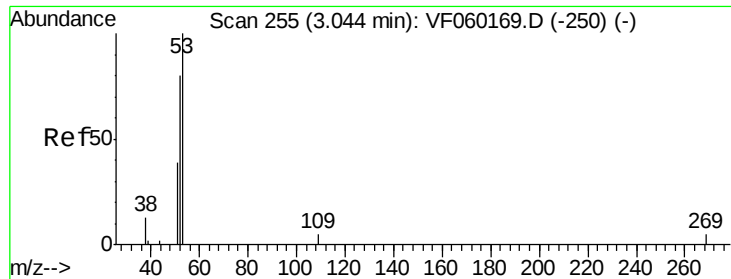
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 11.63 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

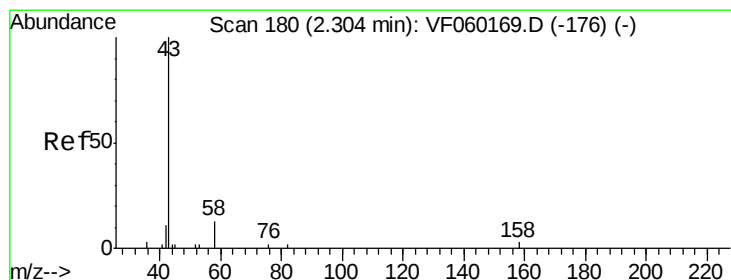
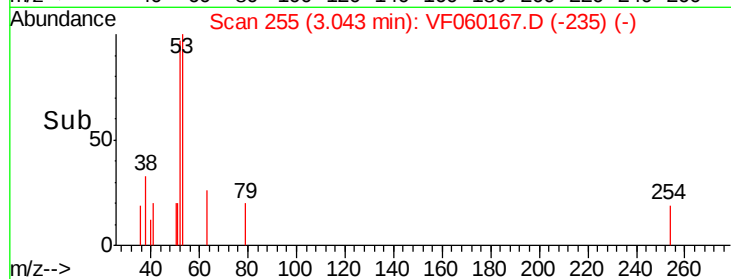
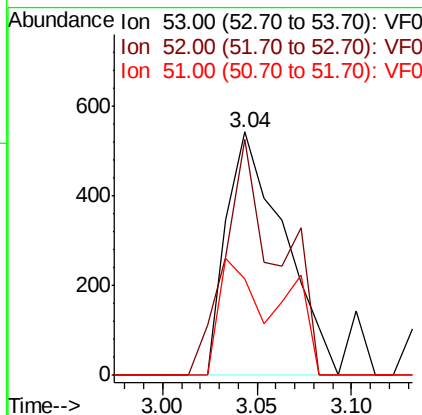
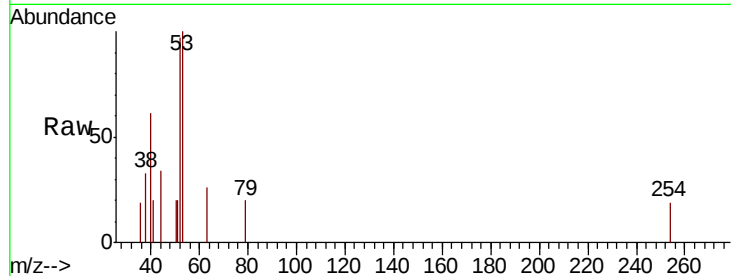
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	1149
Ion	Ratio	Lower	Upper
53	100		
52	96.9	64.4	96.6#
51	39.8	31.0	46.4

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#16

Acetone

Concen: 16.04 ug/l

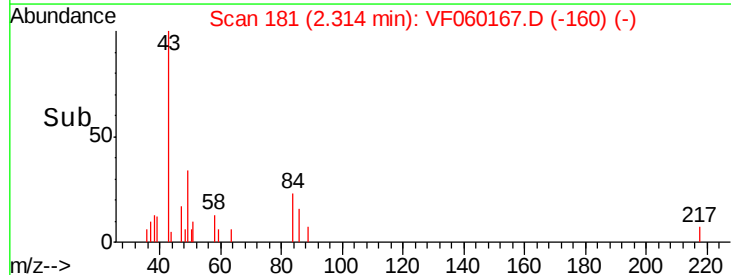
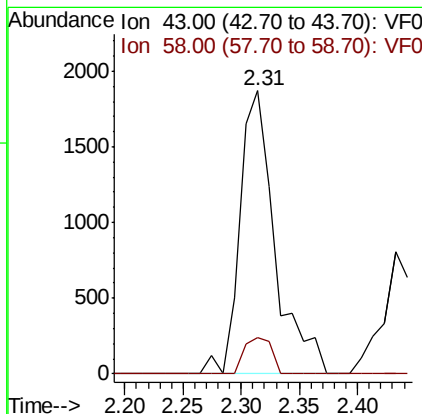
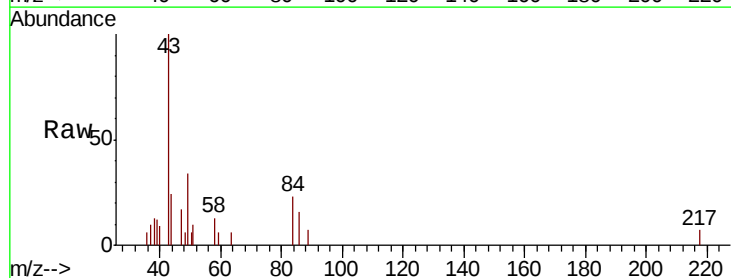
RT: 2.31 min Scan# 181

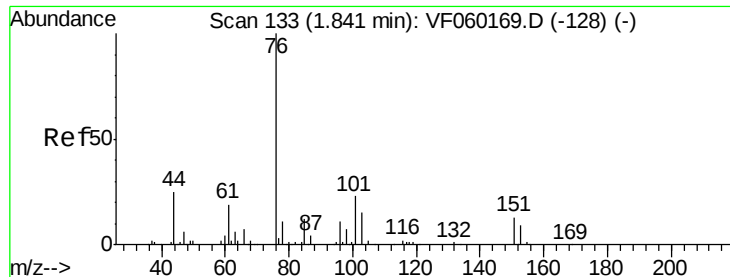
Delta R.T. 0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	43	Resp:	3915
Ion	Ratio	Lower	Upper
43	100		
58	12.8	10.7	16.1





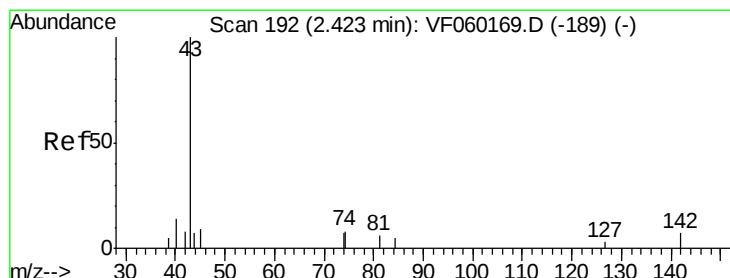
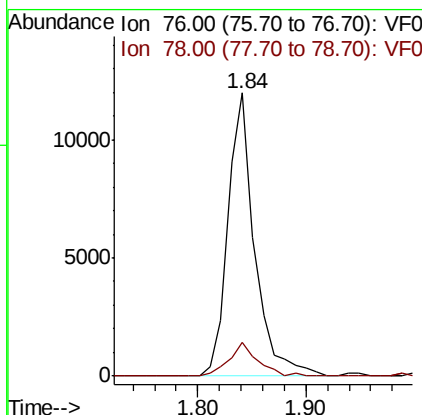
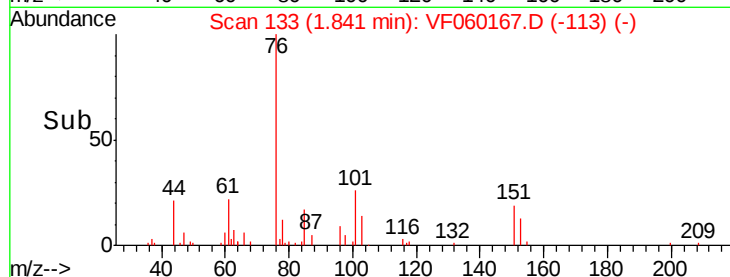
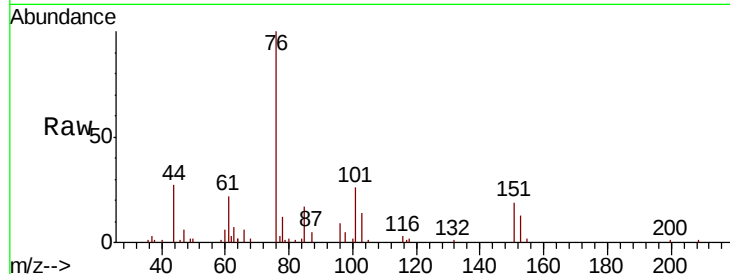
#17
Carbon Disulfide
Concen: 12.08 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.0	8.6	12.8

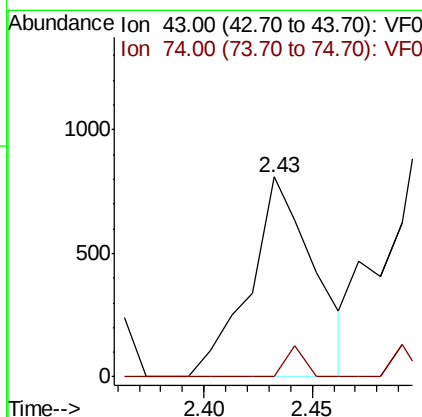
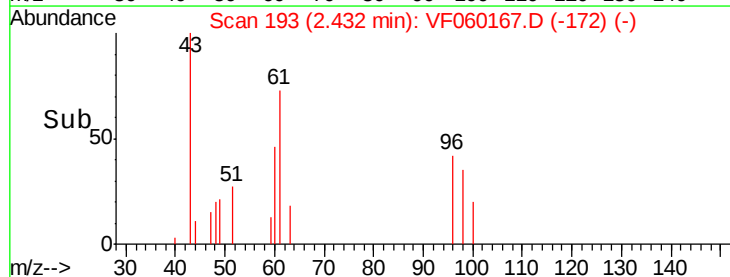
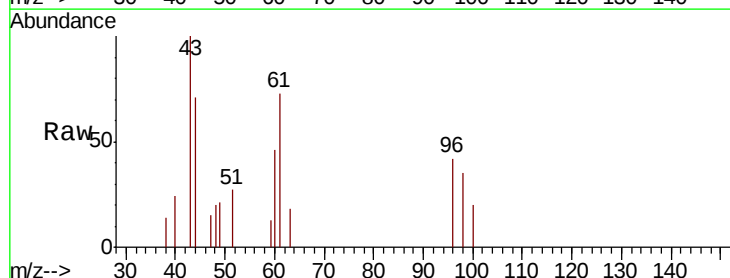
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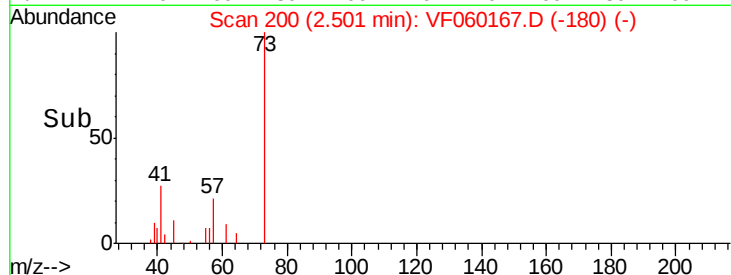
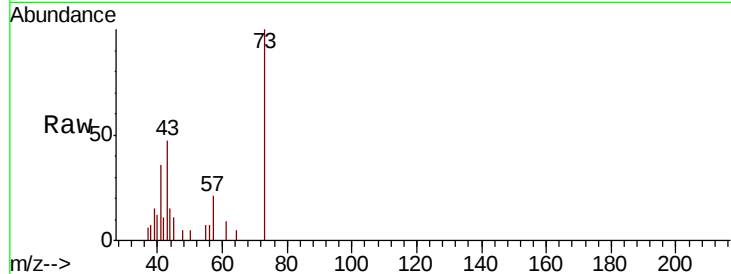
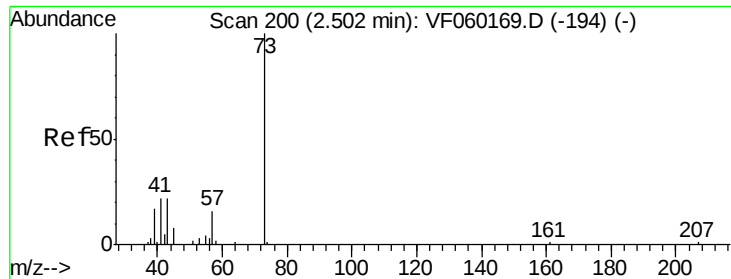
apatel
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#18
Methyl Acetate
Concen: 3.48 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	10.6	16.0#





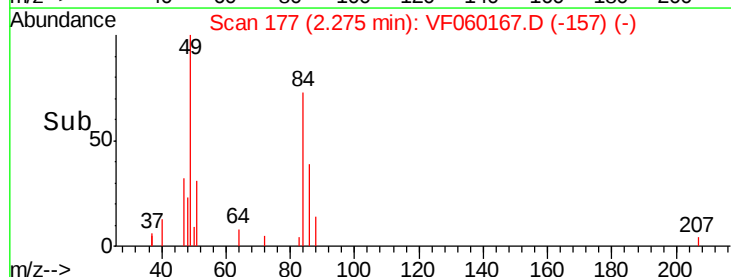
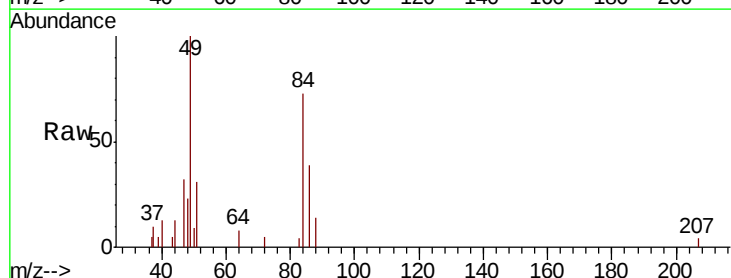
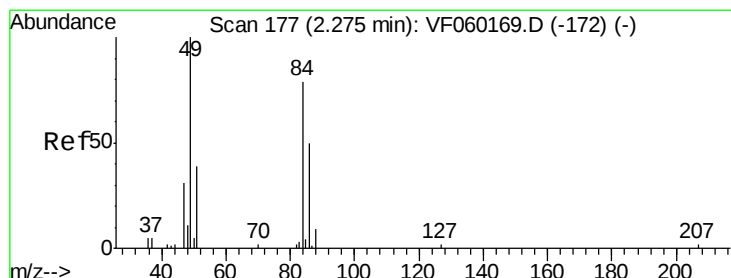
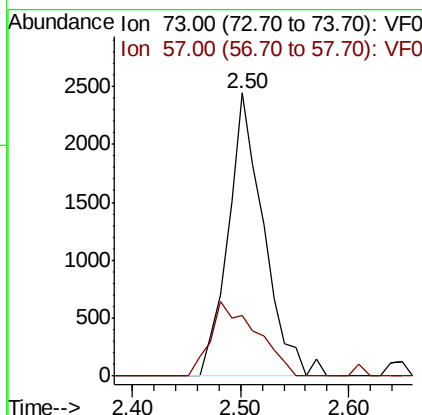
#19
Methvl tert-butvl Ether
Concen: 3.96 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tot Ion: 73 Resp: 5595
Ion Ratio Lower Upper
73 100
57 21.5 13.0 19.4#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

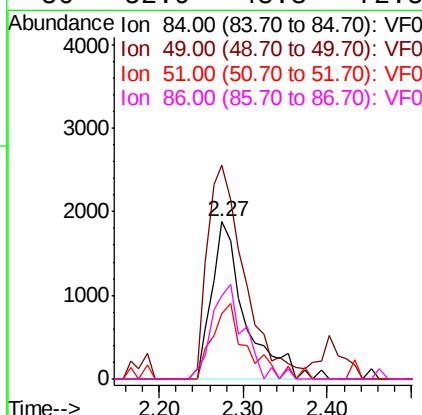
Manual Integrations
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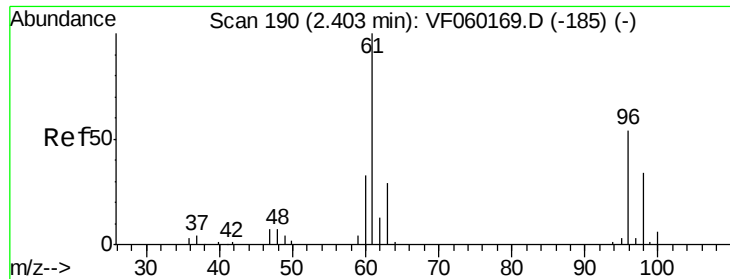
apatel
8/29/2018 2:01:25 PM



#20
Methylene Chloride
Concen: 8.30 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion: 84 Resp: 5162
Ion Ratio Lower Upper
84 100
49 136.1 97.0 145.4
51 41.9 38.2 57.2
86 52.9 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 10.53 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

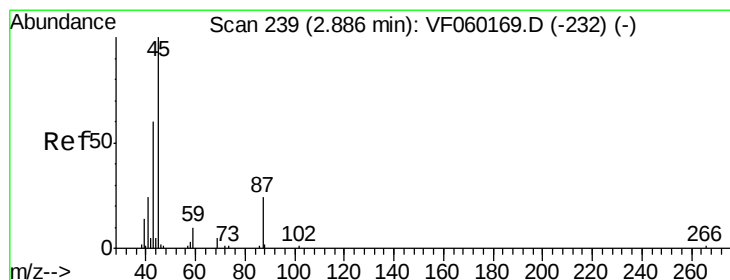
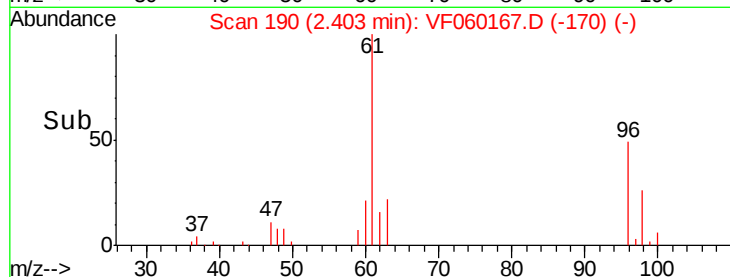
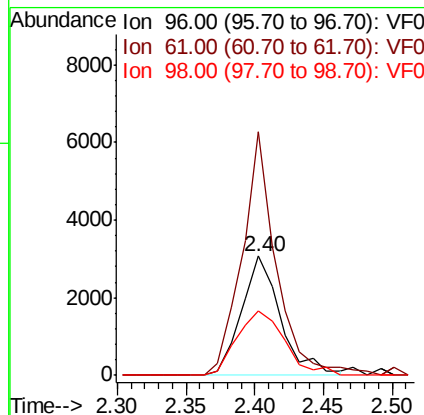
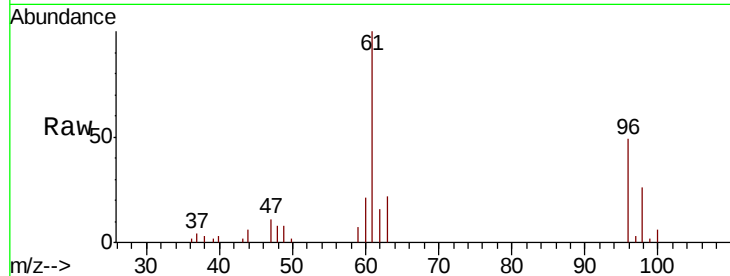
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	6107
Ion	Ratio	Lower	Upper
96	100		
61	204.9	148.6	222.8
98	54.0	50.4	75.6

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#22

Diisopropyl ether

Concen: 5.16 ug/l

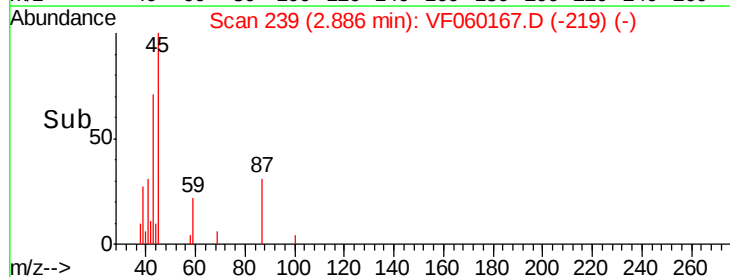
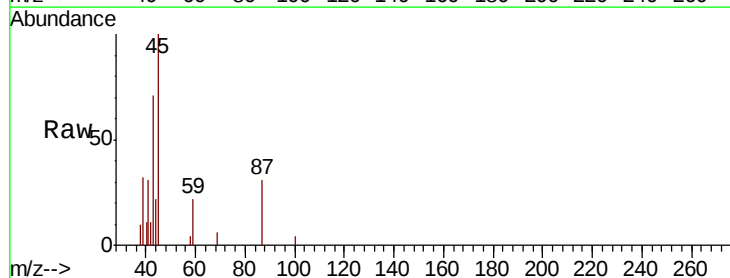
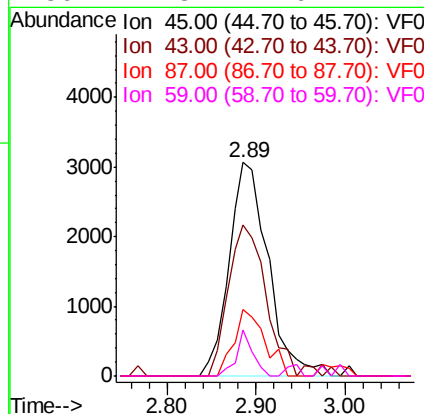
RT: 2.89 min Scan# 239

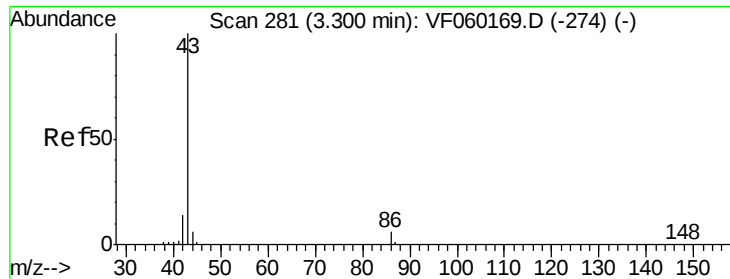
Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	45	Resp:	9358
Ion	Ratio	Lower	Upper
45	100		
43	71.0	48.0	72.0
87	31.3	18.9	28.3#
59	21.8	7.6	11.4#





#23

Vinyl Acetate

Concen: 13.03 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 11773

Ion Ratio Lower Upper

43 100

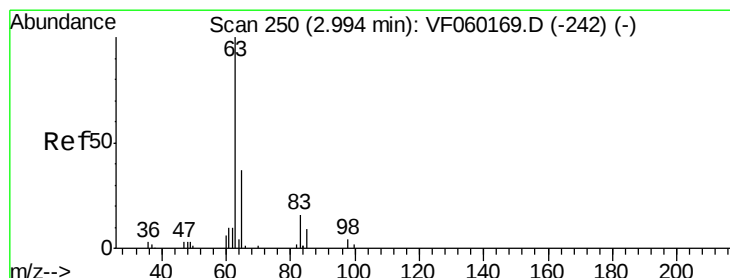
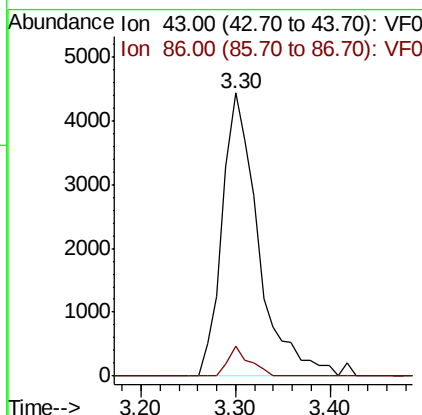
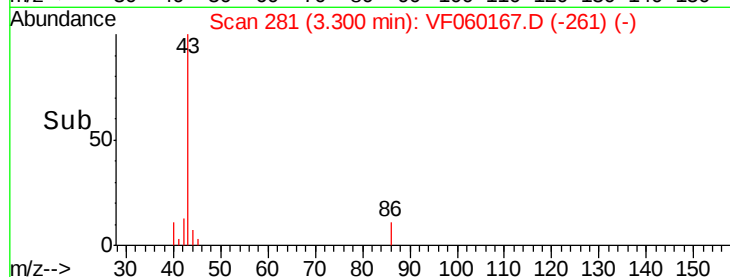
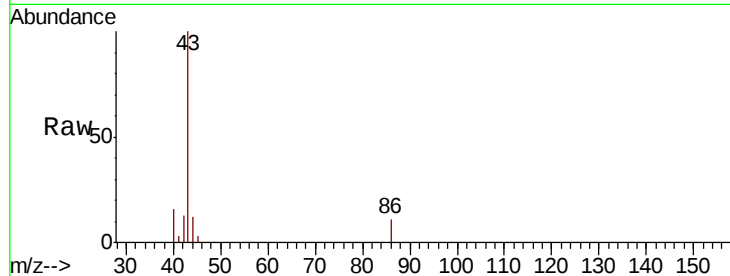
86 10.6 4.9 7.3#

Manual Integrations

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apatel

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#24

1,1-Dichloroethane

Concen: 9.46 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

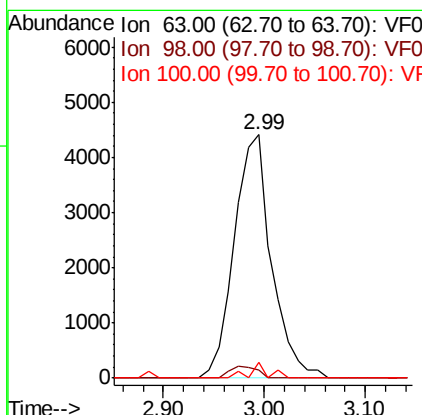
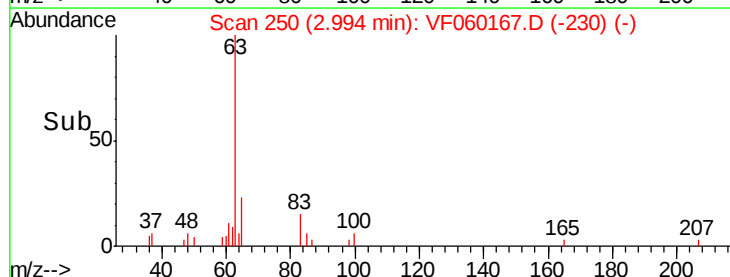
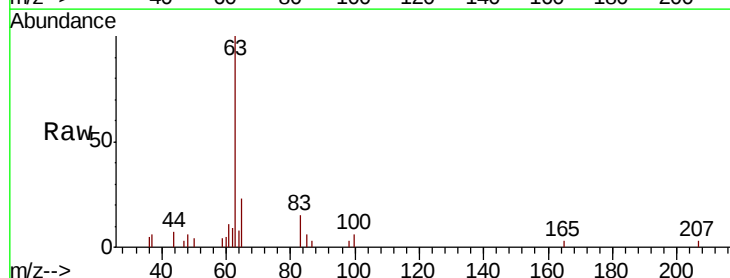
Tgt Ion: 63 Resp: 11332

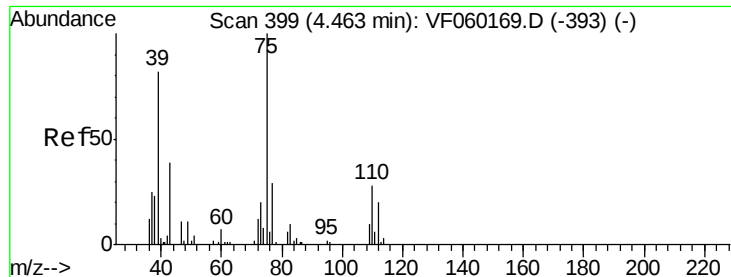
Ion Ratio Lower Upper

63 100

98 3.4 2.1 6.3

100 6.3 0.9 2.7#





#25

2-Butanone

Concen: 9.03 ug/l

RT: 4.46 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 2844

Ion Ratio Lower Upper

43 100

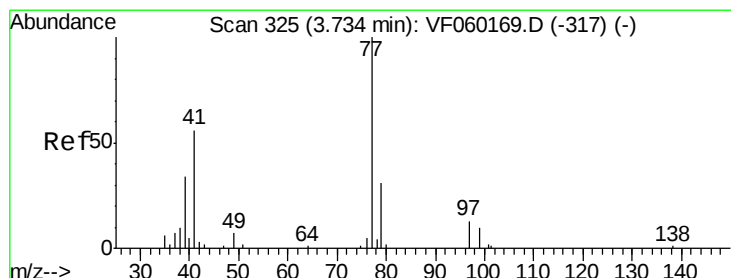
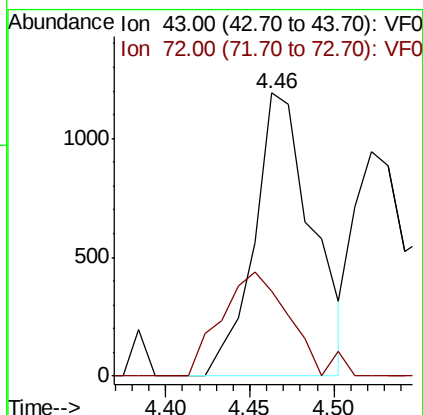
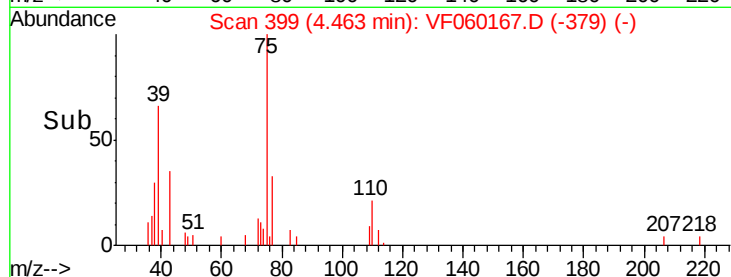
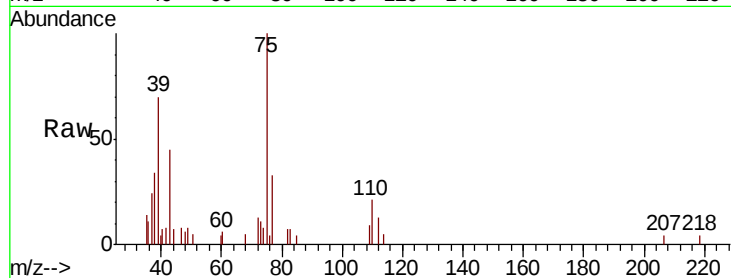
72 30.2 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.43 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VF060167.D

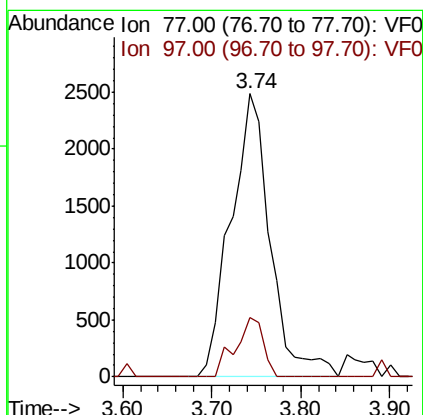
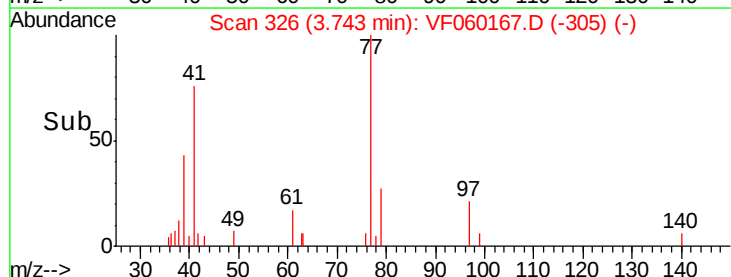
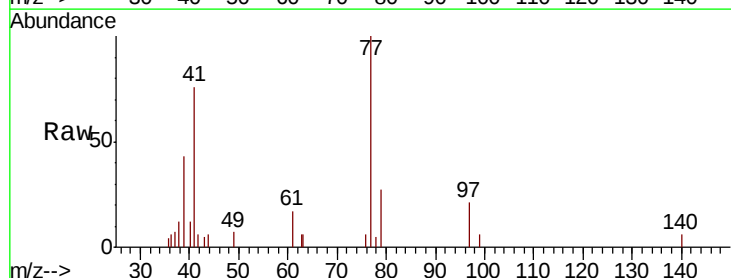
Acq: 29 Aug 2018 00:32

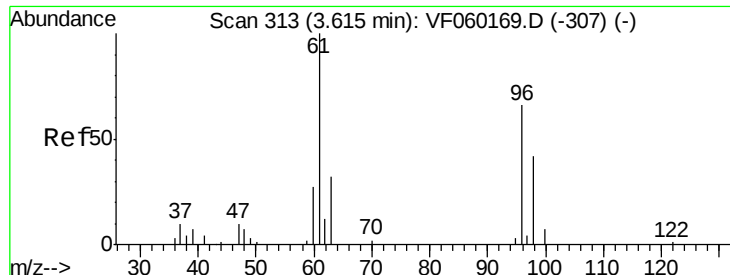
Tgt Ion: 77 Resp: 7645

Ion Ratio Lower Upper

77 100

97 20.8 7.0 21.0





#27

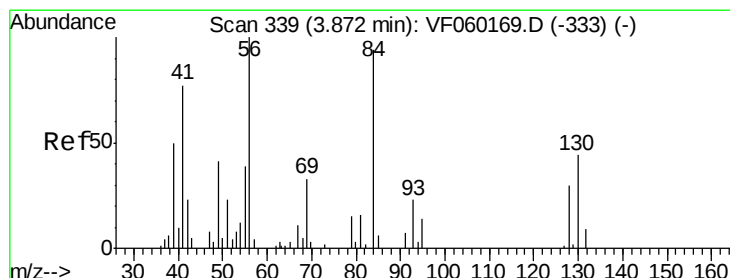
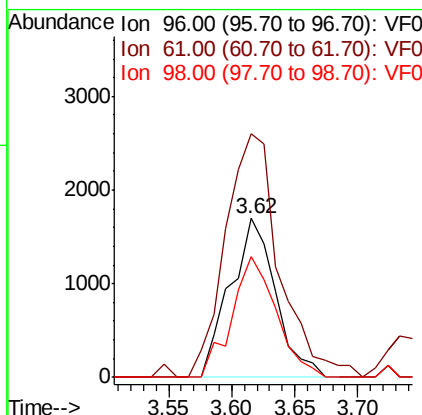
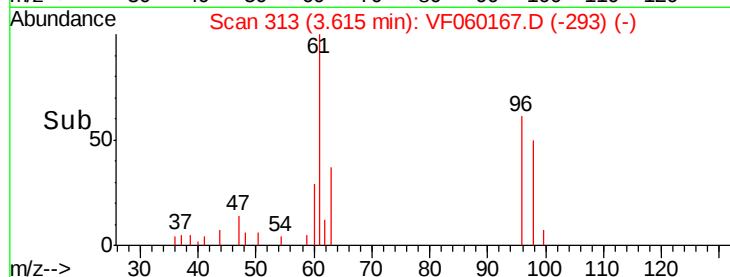
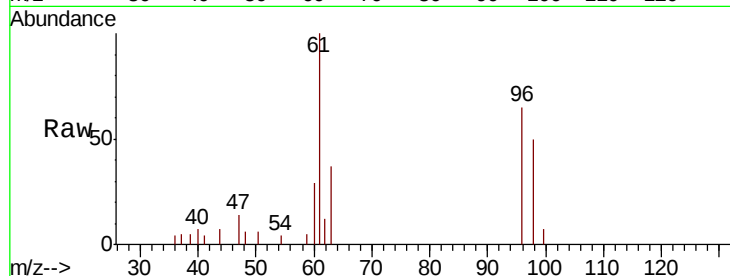
cis-1,2-Dichloroethene
Concen: 5.80 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	303.0
98	76.1	0.0	126.8

Manual Integrations
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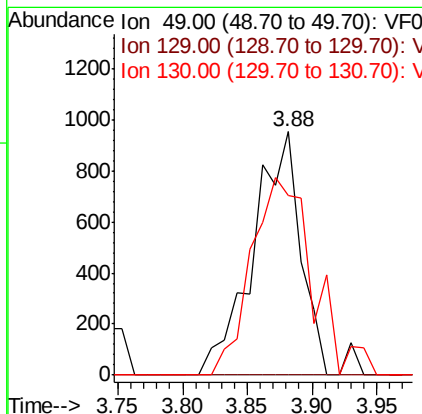
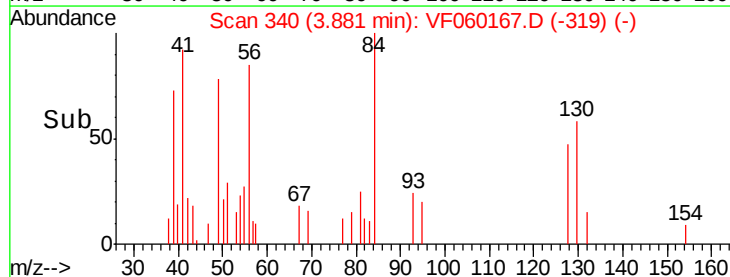
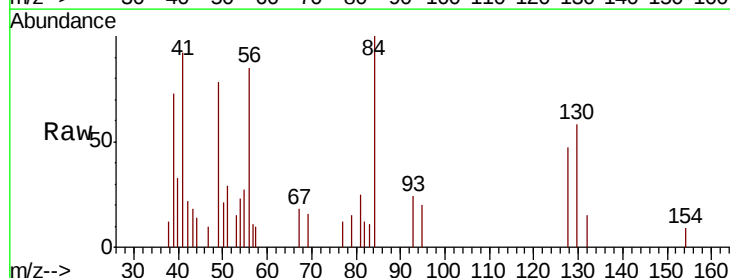
apatel
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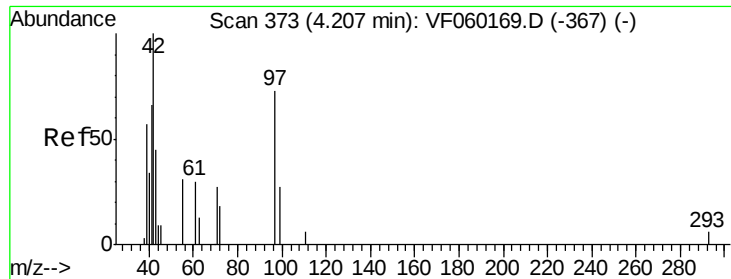


#28

Bromochloromethane
Concen: 5.18 ug/l m
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	73.7	86.0	129.0#





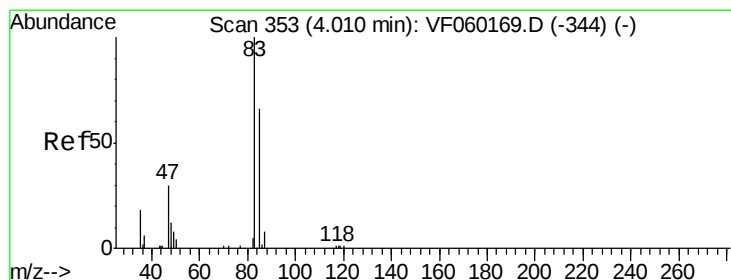
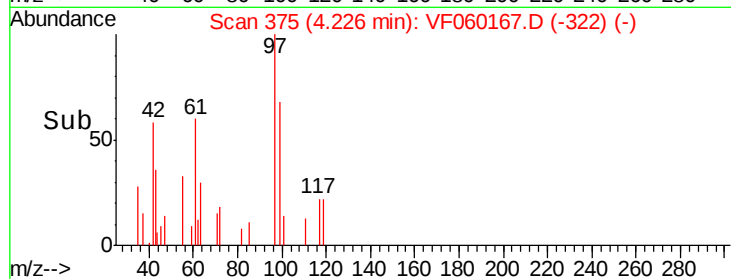
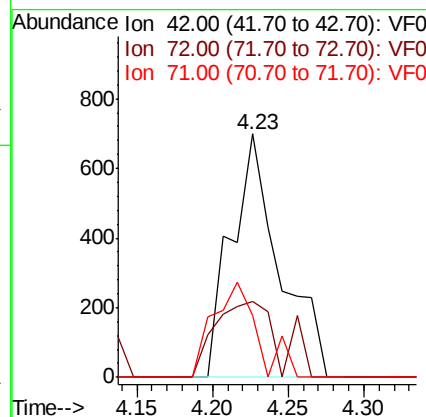
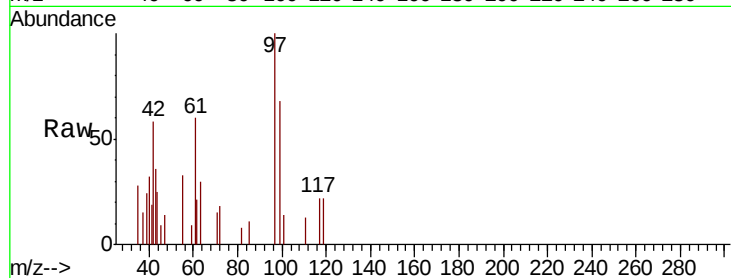
#29
Tetrahydrofuran
Concen: 12.94 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.02 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	27.0	40.4#
71	35.6	24.6	36.8

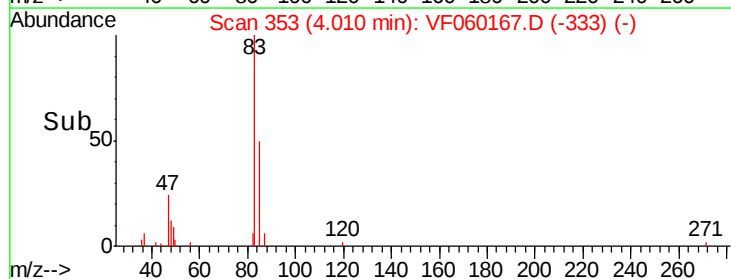
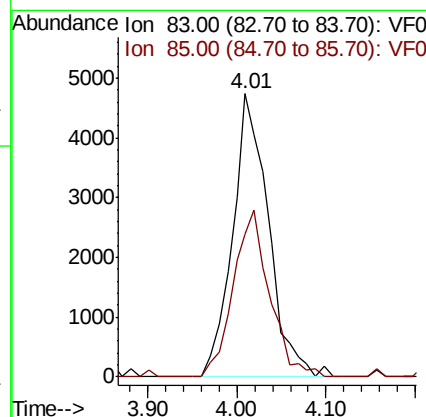
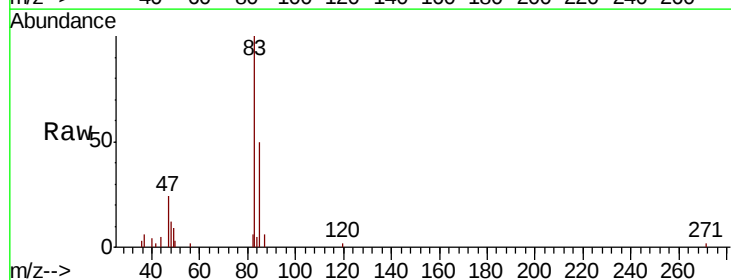
Manual Integrations
APPROVED

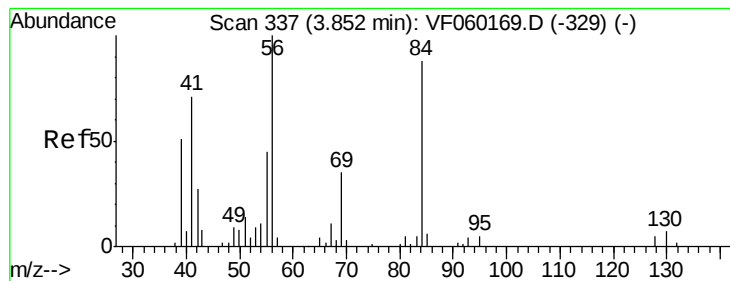
apatel
8/29/2018 2:01:25 PM



#30
Chloroform
Concen: 8.18 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.4	52.8	79.2#





#31

Cyclohexane

Concen: 9.26 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

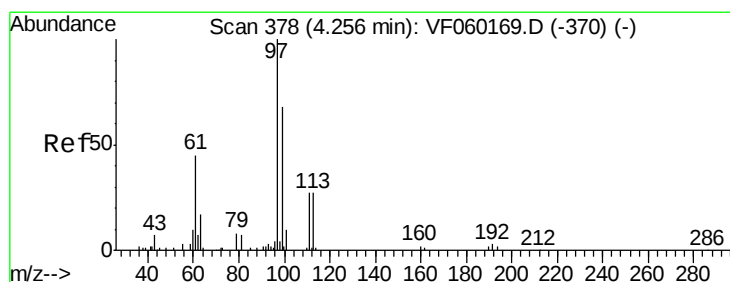
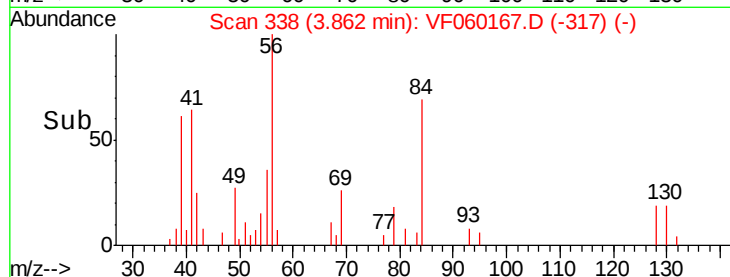
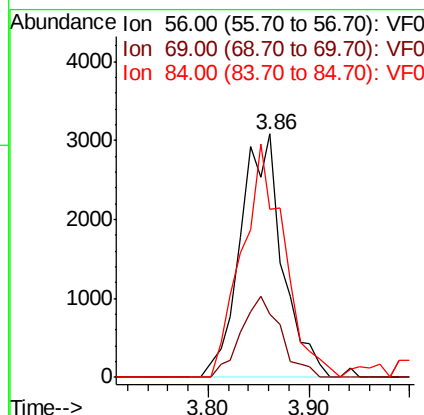
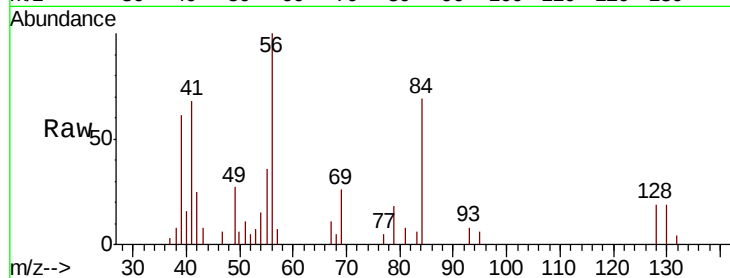
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	8953
Ion	Ratio	Lower	Upper
56	100		
69	26.1	27.7	41.5#
84	69.2	70.2	105.4#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 11.16 ug/l

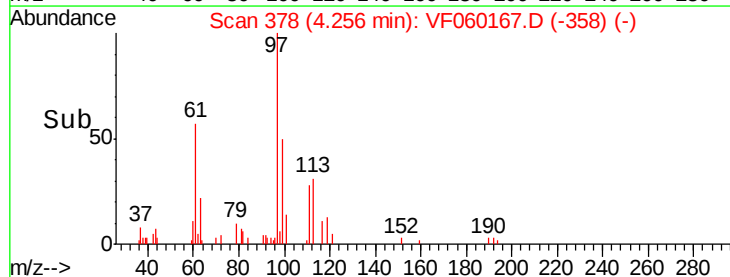
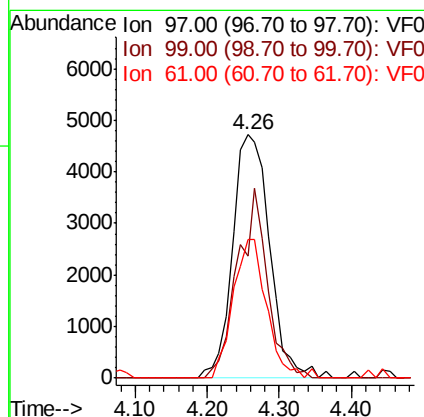
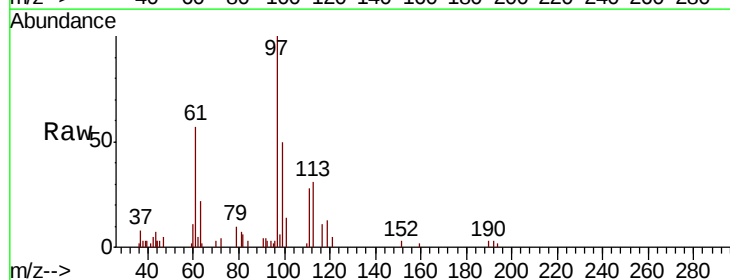
RT: 4.26 min Scan# 378

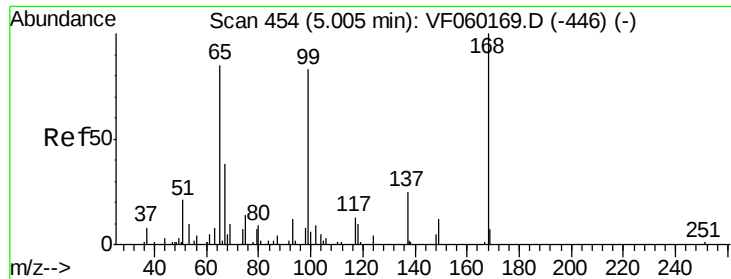
Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	97	Resp:	16914
Ion	Ratio	Lower	Upper
97	100		
99	49.9	54.4	81.6#
61	56.8	36.2	54.4#





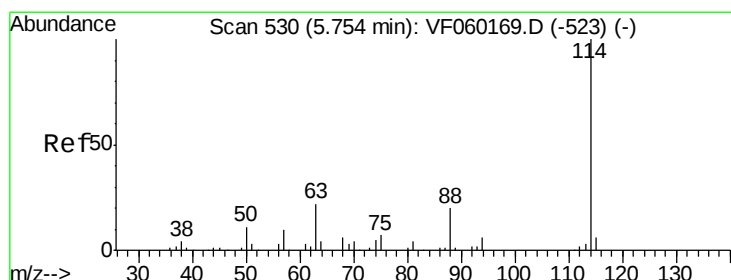
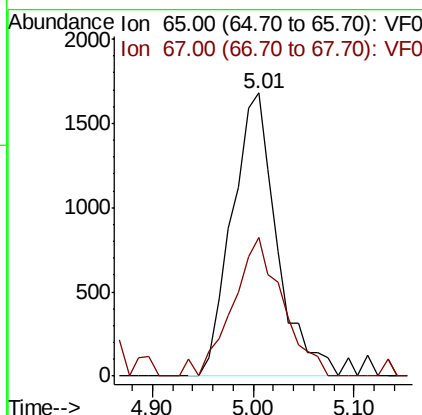
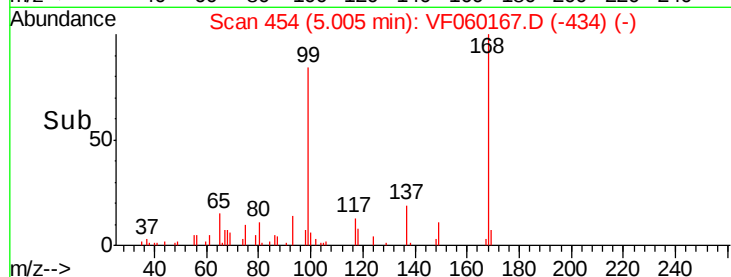
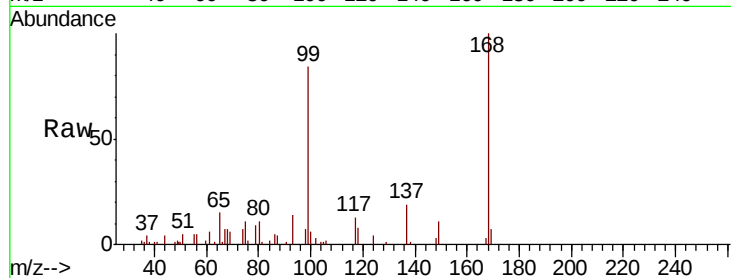
#33
 1,2-Dichloroethane-d4
 Concen: 5.31 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	92.6

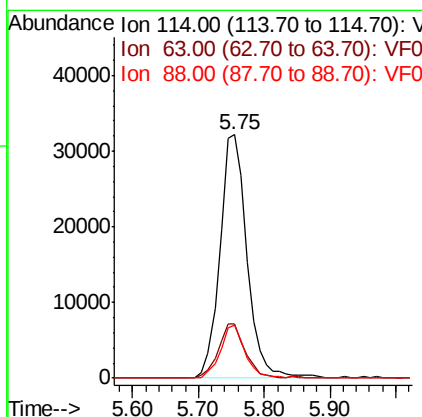
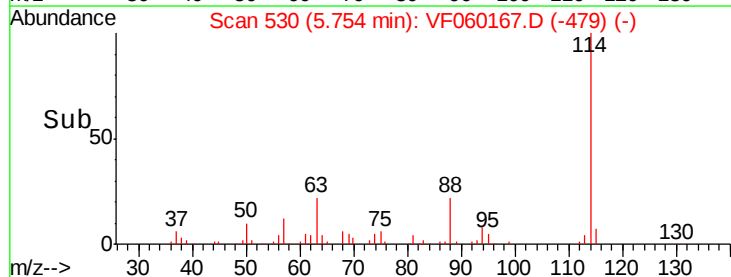
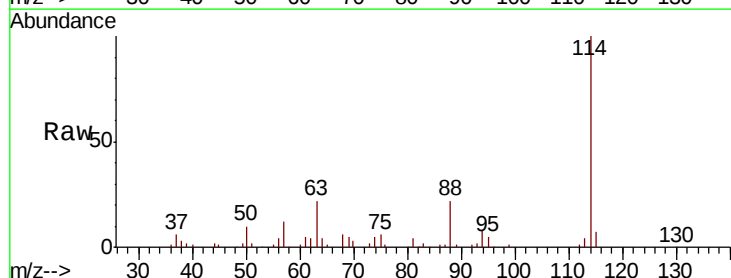
Manual Integrations
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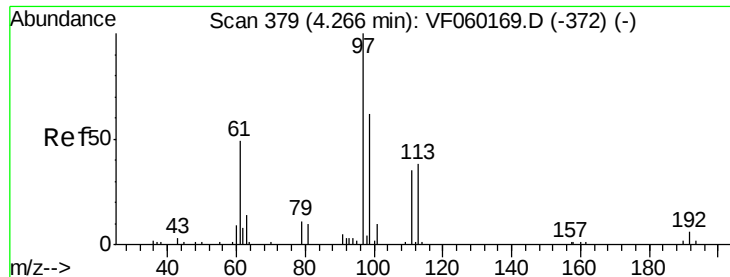
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.8
88	22.0	0.0	40.2





#35

Dibromofluoromethane

Concen: 8.33 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

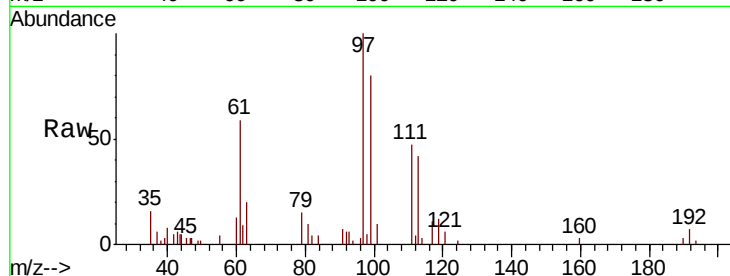
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	112.0	75.5	113.3
192	0.0	12.5	18.7#

Manual Integrations
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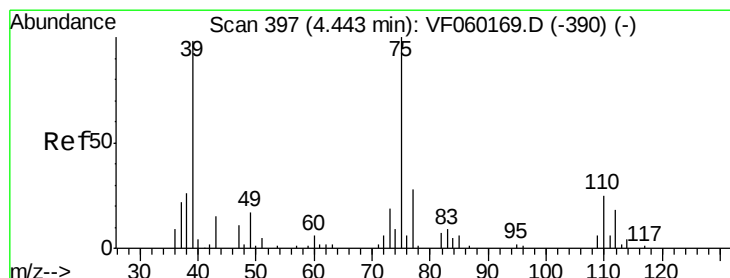
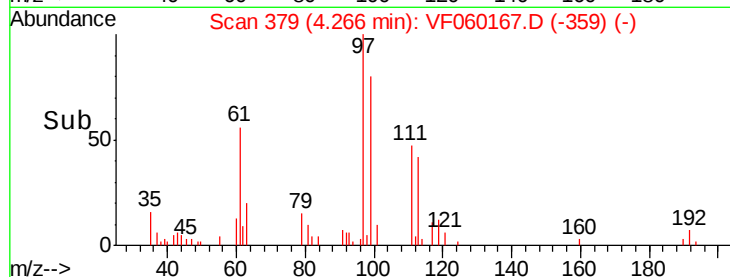
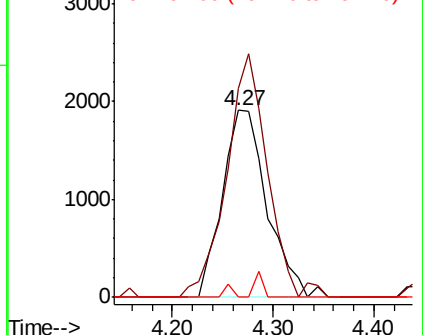


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 12.47 ug/l

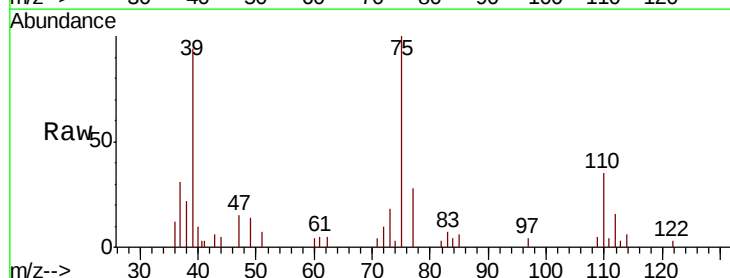
RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	12.6	37.6
77	28.5	22.2	33.4

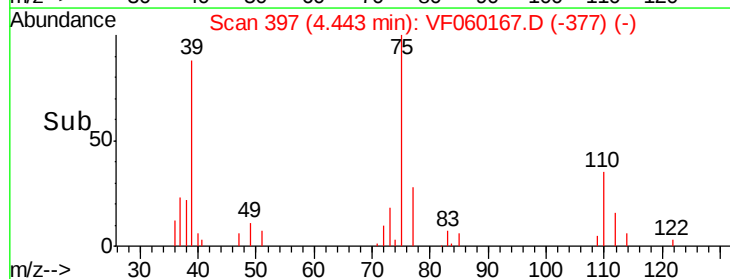
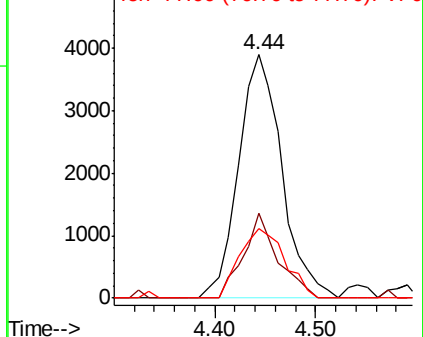


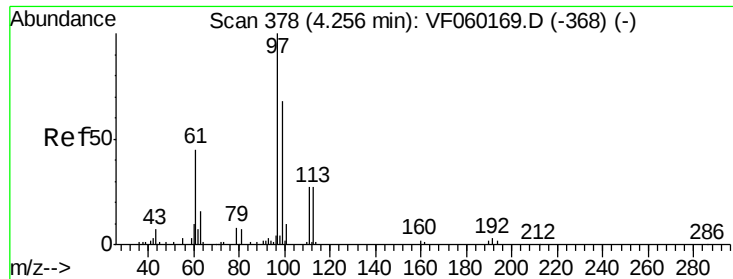
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





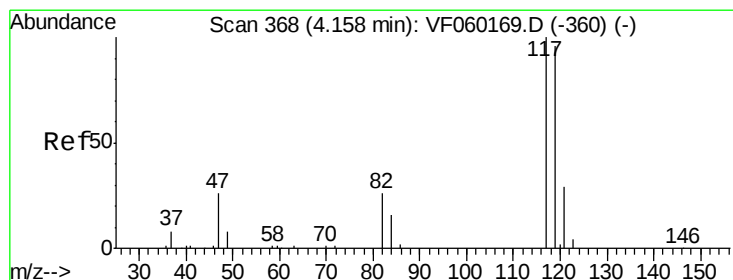
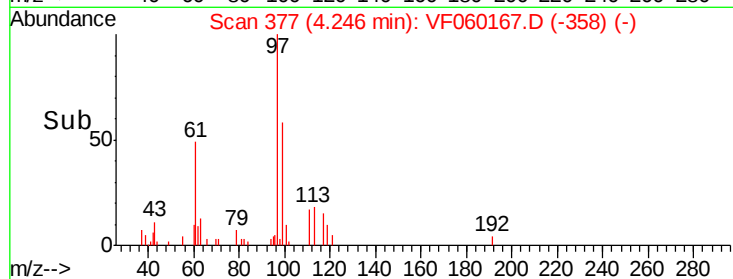
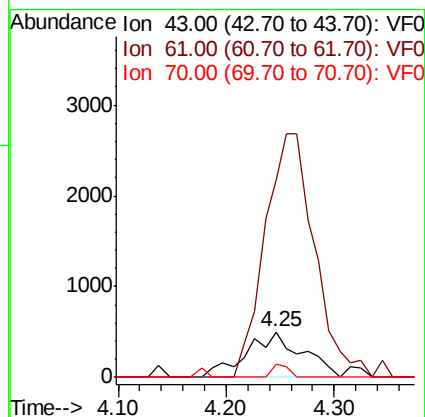
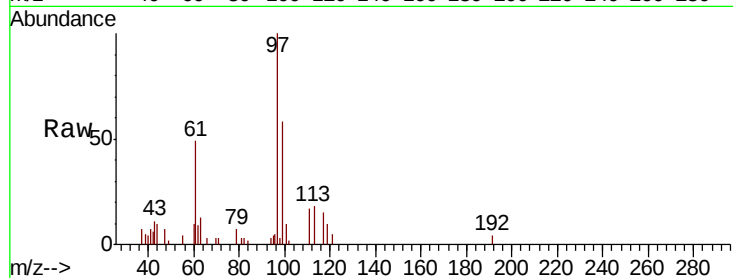
#37
Ethyl Acetate
Concen: 3.95 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	430.5	517.6	776.4#
70	28.1	15.4	23.2#

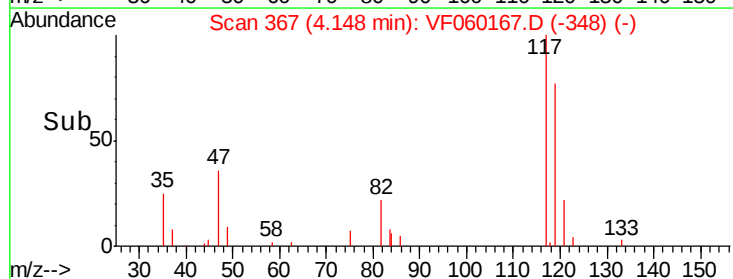
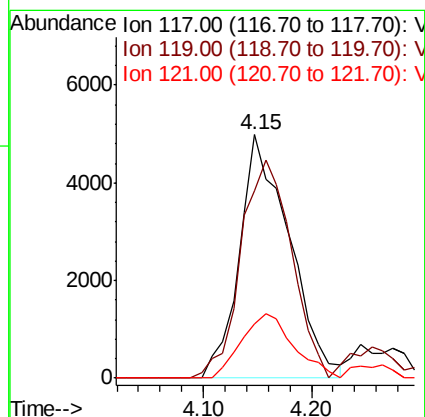
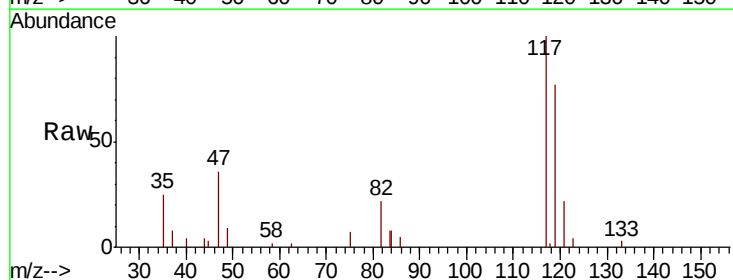
Manual Integrations
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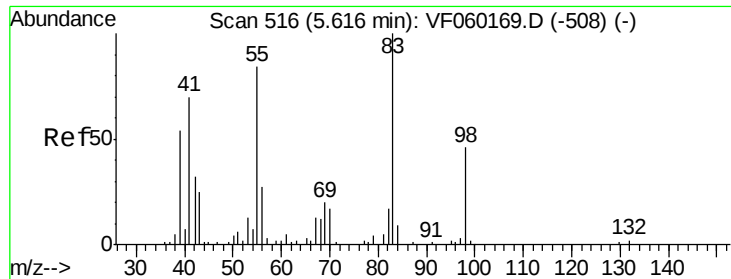
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#38
Carbon Tetrachloride
Concen: 13.90 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	76.9	76.8	115.2
121	22.2	22.9	34.3#





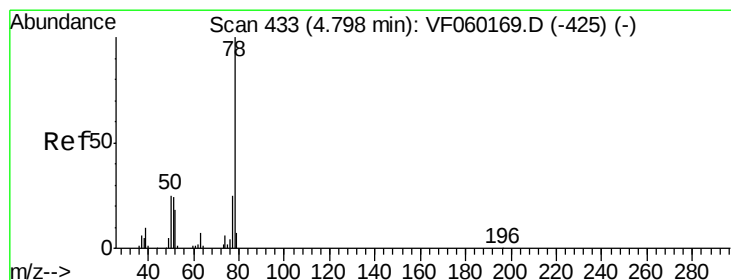
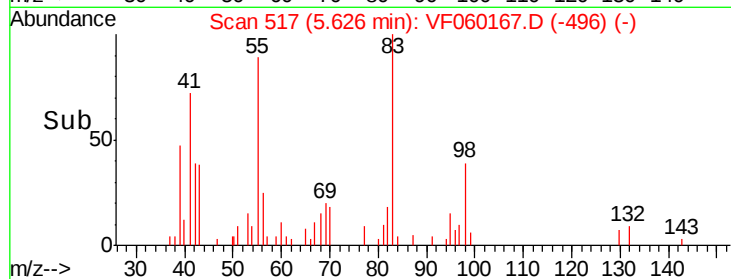
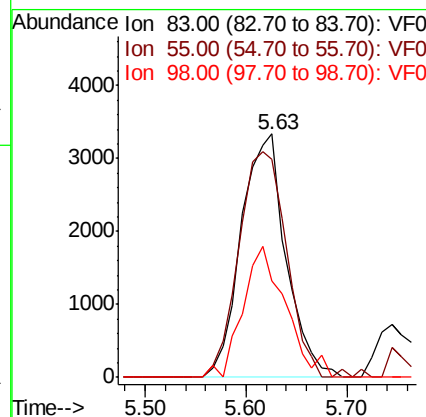
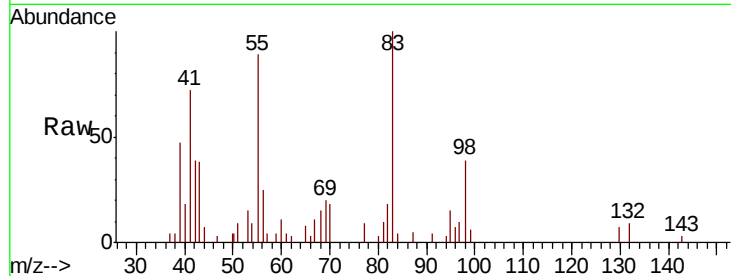
#39
Methvlcvclohexane
Concen: 11.34 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	67.4	101.2
98	39.5	37.0	55.6

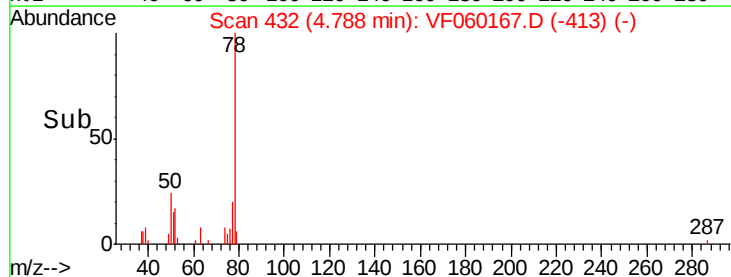
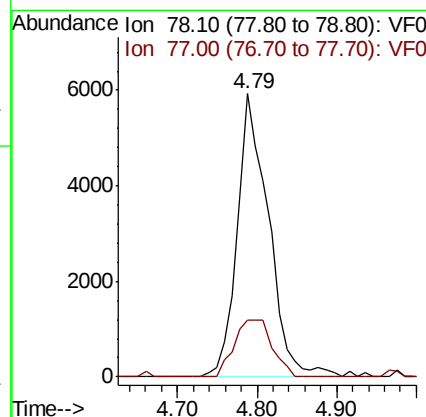
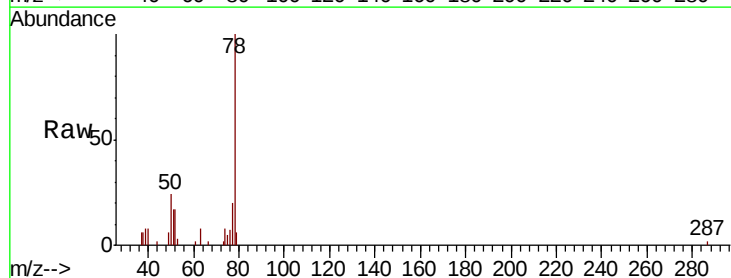
Manual Integrations
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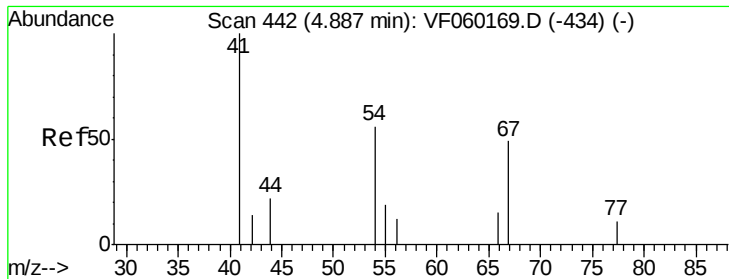
apatel
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#40
Benzene
Concen: 8.65 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.3	20.2	30.2





#41

Methacrylonitrile

Concen: 3.56 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

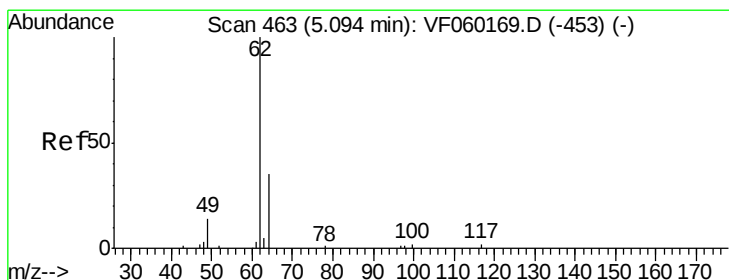
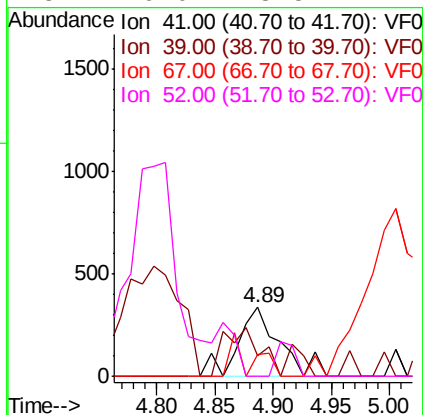
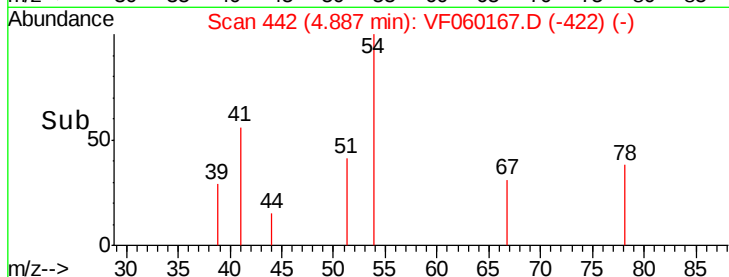
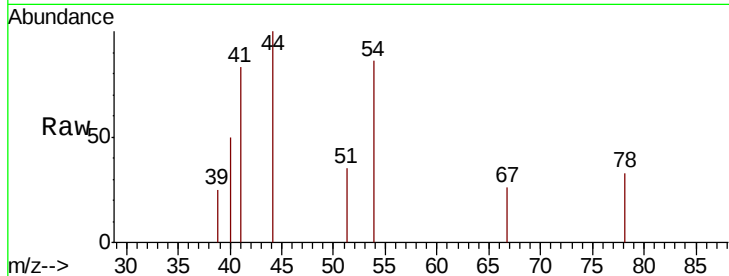
VSTDIC010

Tot Ion: 41 Resp: 836

Ion	Ratio	Lower	Upper
41	100		
39	30.0	45.0	67.6#
67	31.8	39.5	59.3#
52	0.0	28.5	42.7#

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#42

1,2-Dichloroethane

Concen: 6.95 ug/l

RT: 5.09 min Scan# 463

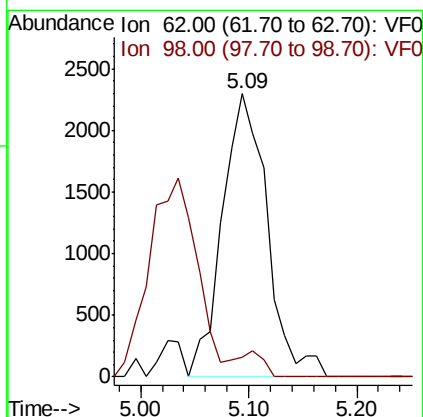
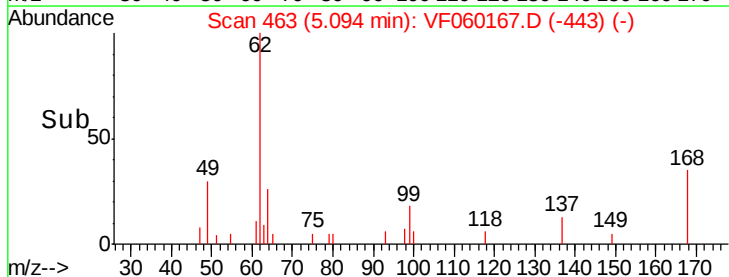
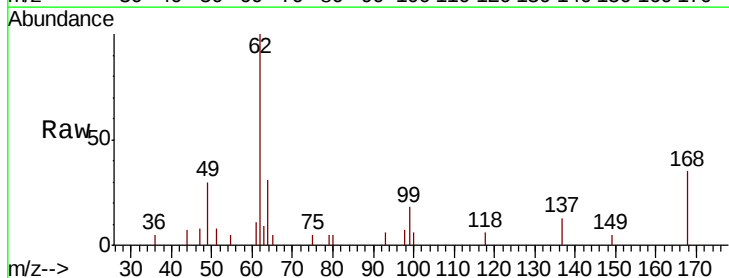
Delta R.T. -0.00 min

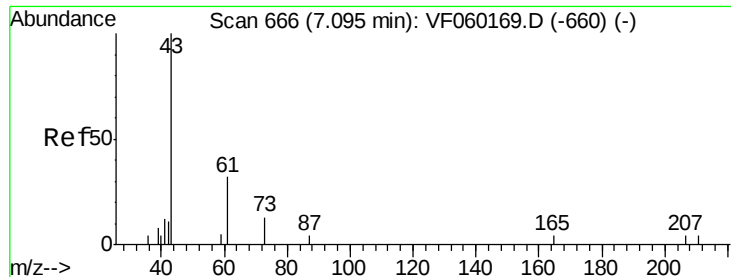
Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion: 62 Resp: 6593

Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.2





#43

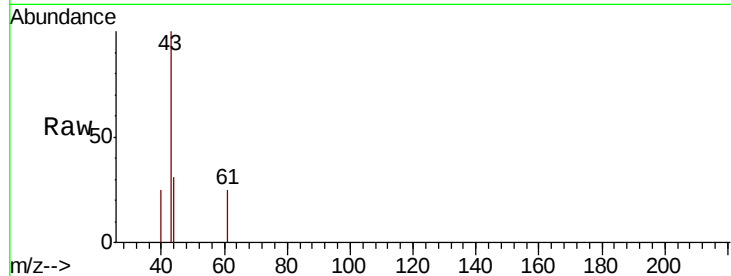
Isopropyl Acetate
 Concen: 3.69 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

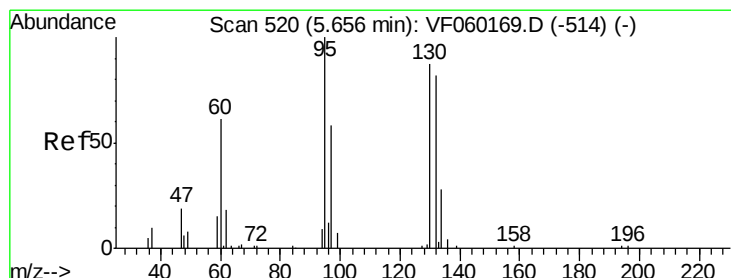
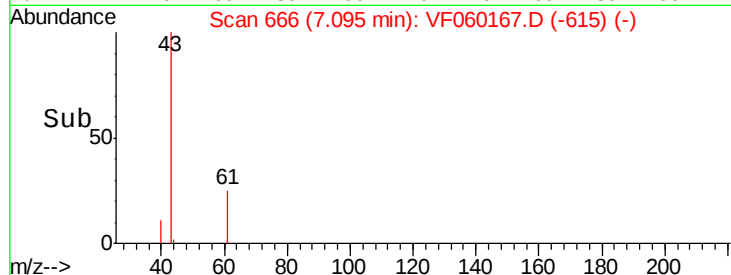
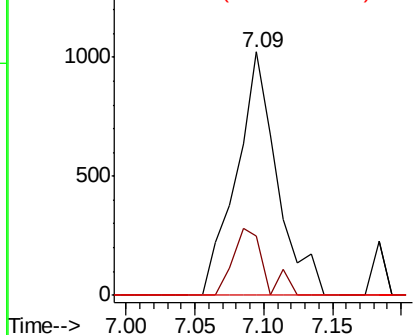
Tot Ion	43	Resp	2110
Ion Ratio	100	Lower	Upper
43	100		
61	24.5	25.3	37.9#
87	0.0	3.0	4.6#

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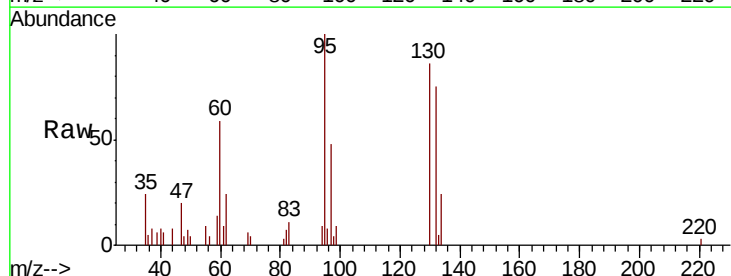
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



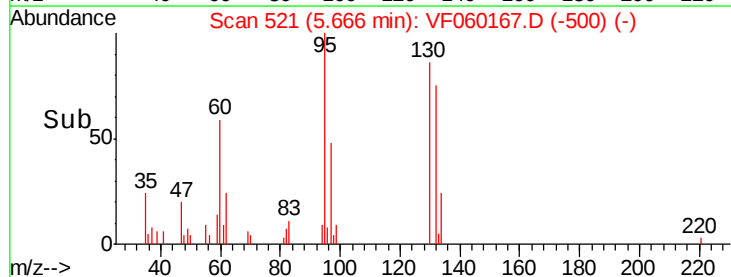
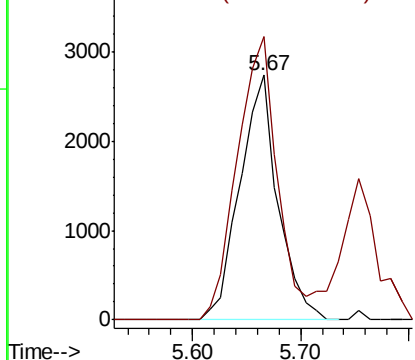
#44

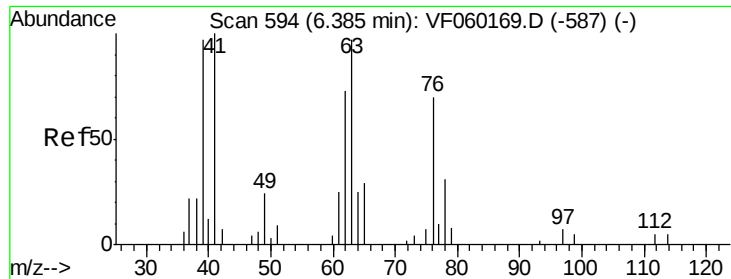
Trichloroethene
 Concen: 10.30 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	130	Resp	6708
Ion Ratio	100	Lower	Upper
130	100		
95	115.6	0.0	230.8



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





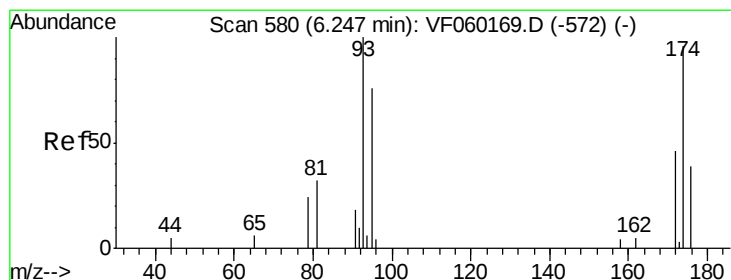
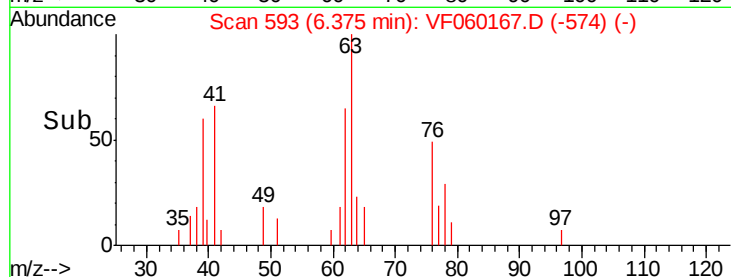
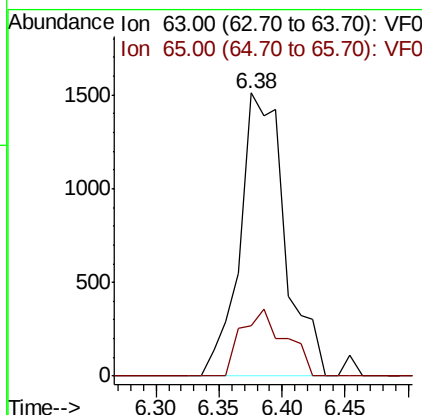
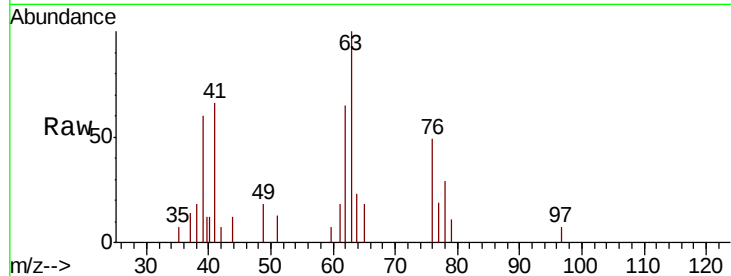
#45
 1,2-Dichloropropane
 Concen: 7.42 ug/l
 RT: 6.38 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 3753
 Ion Ratio Lower Upper
 63 100
 65 17.9 23.6 35.4#

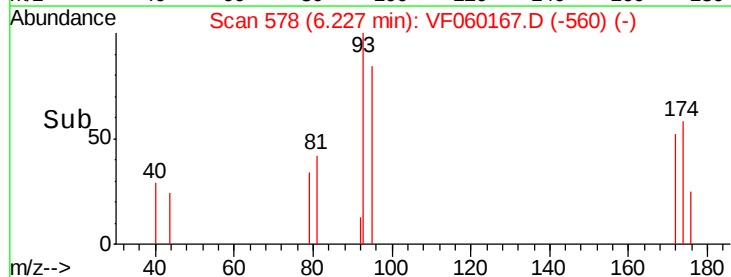
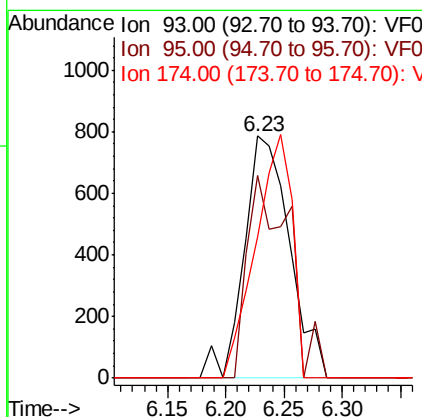
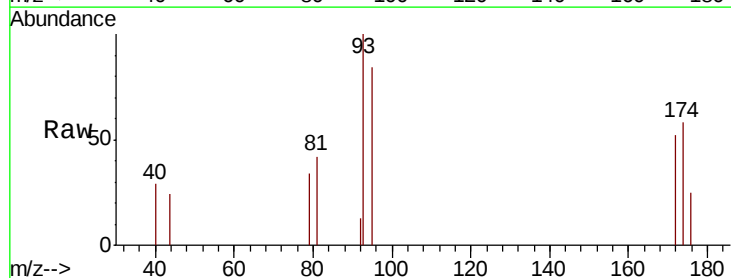
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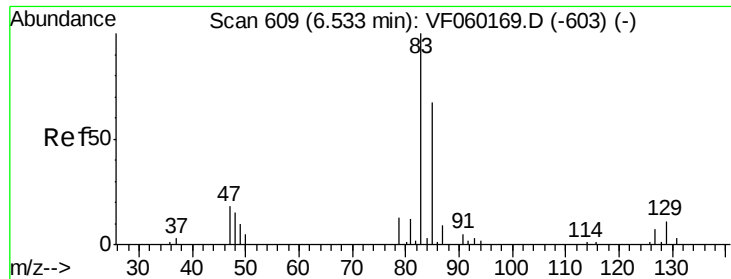
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#46
 Dibromomethane
 Concen: 5.56 ug/l
 RT: 6.23 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion: 93 Resp: 2128
 Ion Ratio Lower Upper
 93 100
 95 84.1 60.8 91.2
 174 58.2 76.8 115.2#





#47

Bromodichloromethane

Concen: 7.69 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

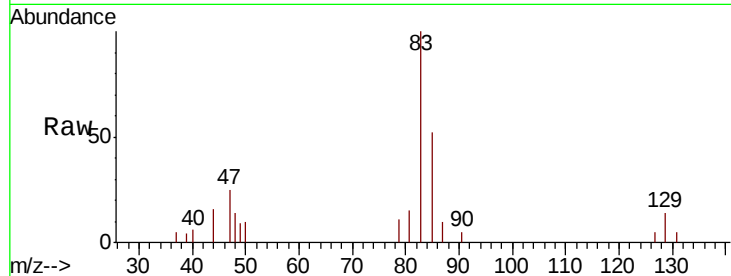
ClientSampleId :

VSTDIC010

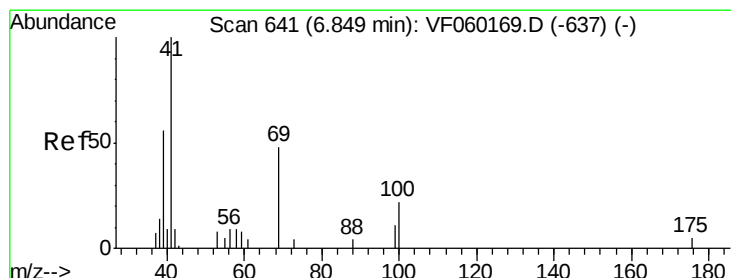
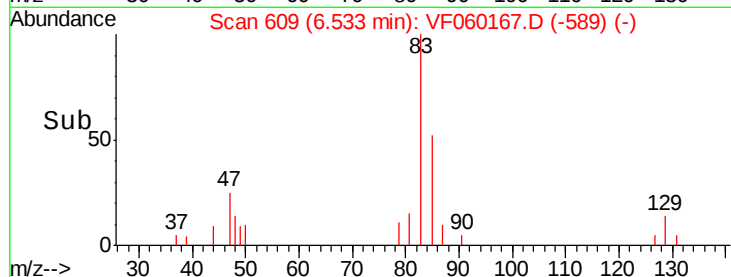
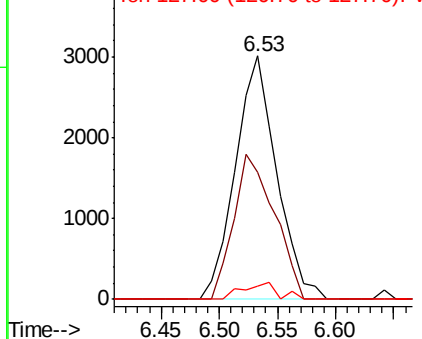
Tot Ion:	83	Resp:	7403
Ion	Ratio	Lower	Upper
83	100		
85	52.2	53.3	79.9#
127	5.2	5.7	8.5#

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 4.58 ug/l

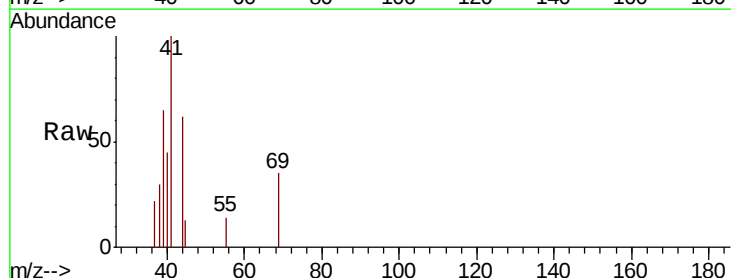
RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

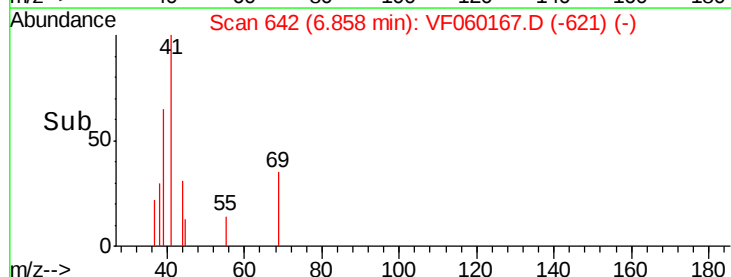
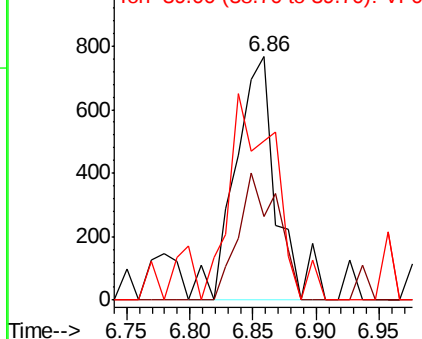
Lab File: VF060167.D

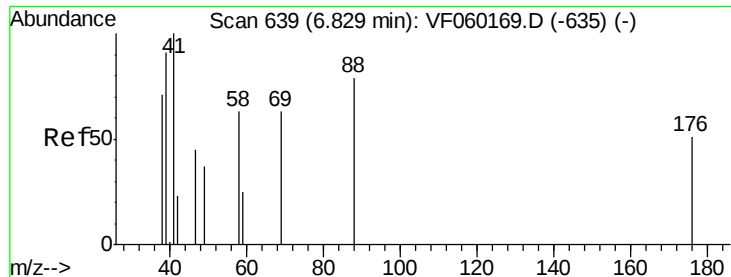
Acq: 29 Aug 2018 00:32

Tgt Ion:	41	Resp:	1748
Ion	Ratio	Lower	Upper
41	100		
69	34.6	38.2	57.2#
39	65.2	56.2	84.2



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





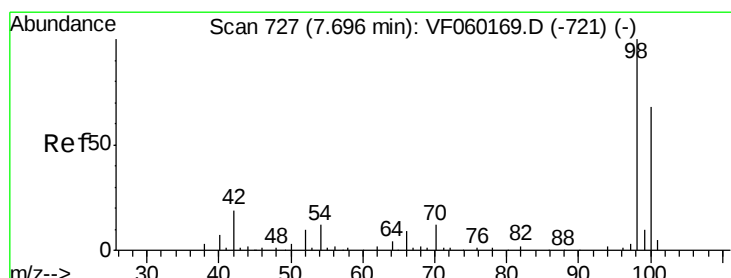
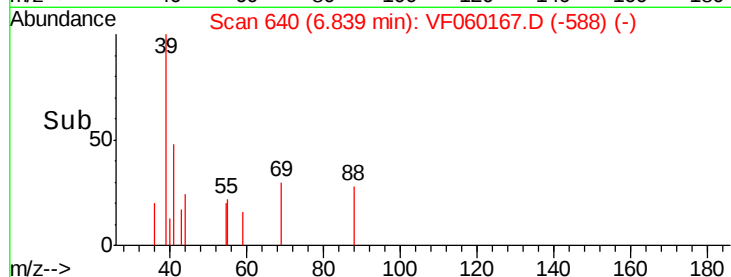
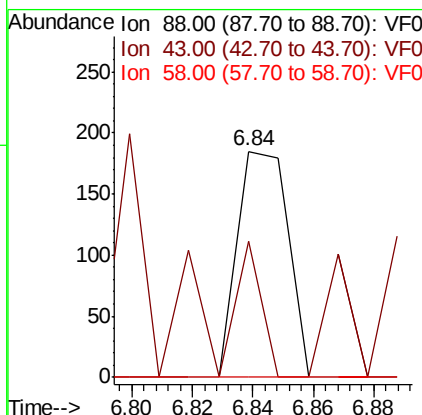
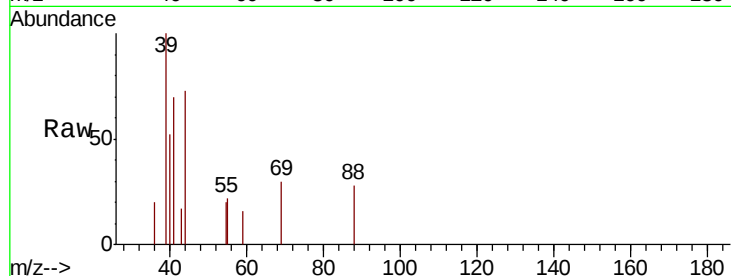
#49
 1,4-Dioxane
 Concen: 59.75 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.0	24.5	36.7#
58	0.0	63.8	95.8#

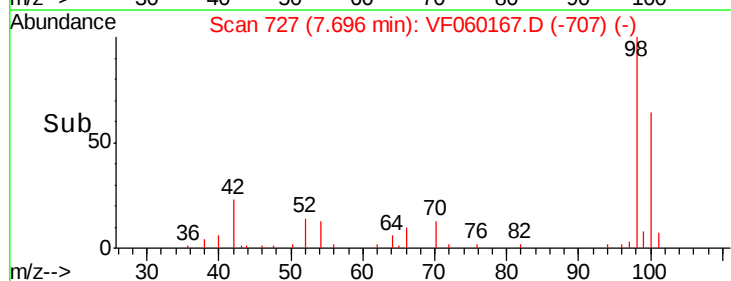
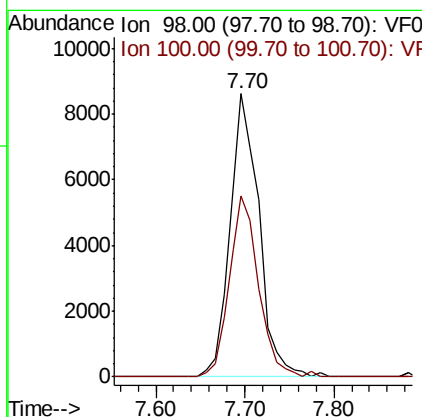
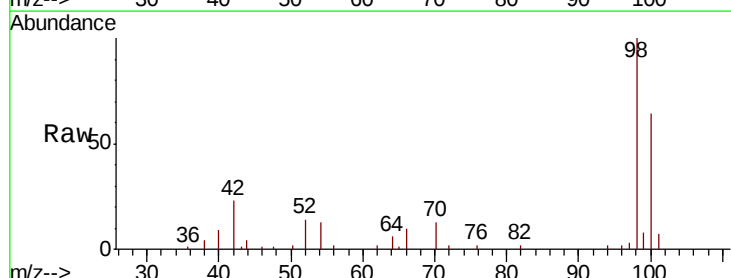
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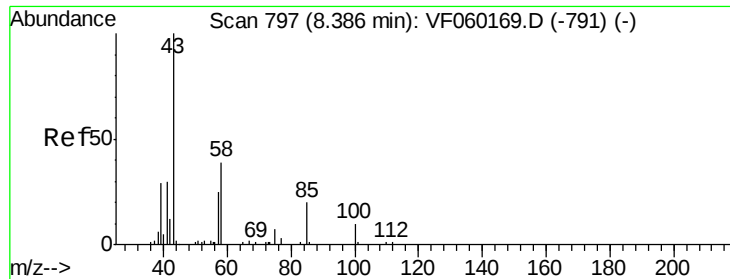
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#50
 Toluene-d8
 Concen: 9.48 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	54.5	81.7





#51

4-Methyl-2-Pentanone

Concen: 17.17 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 8549

Ion Ratio Lower Upper

43 100

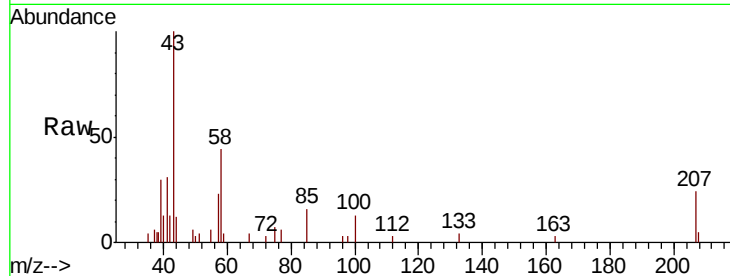
58 44.2 31.0 46.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

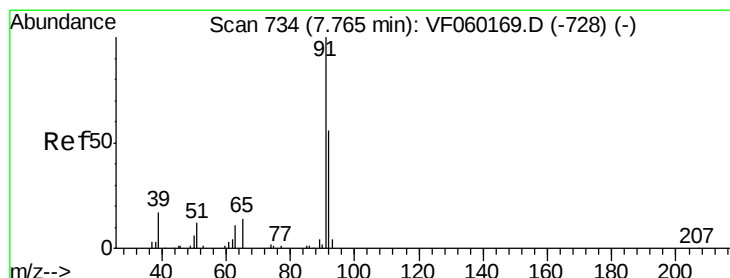
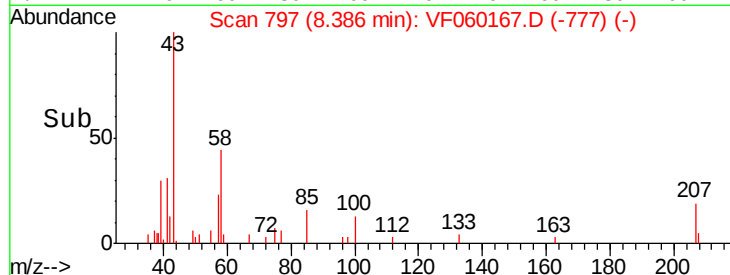
3000

2000

1000

0

Time-->



#52

Toluene

Concen: 9.18 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF060167.D

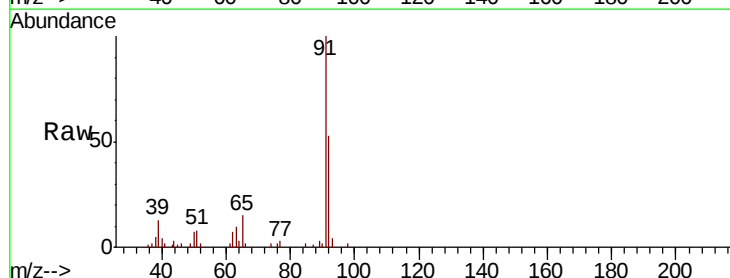
Acq: 29 Aug 2018 00:32

Tgt Ion: 92 Resp: 12783

Ion Ratio Lower Upper

92 100

91 189.0 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

10000

8000

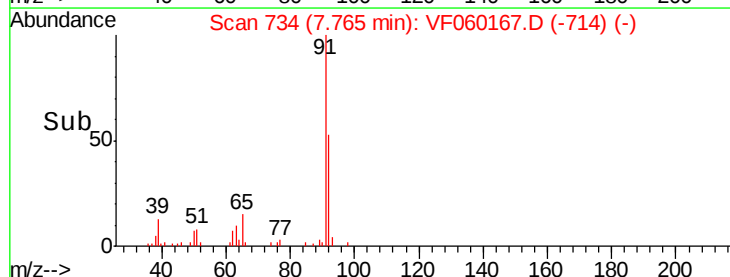
6000

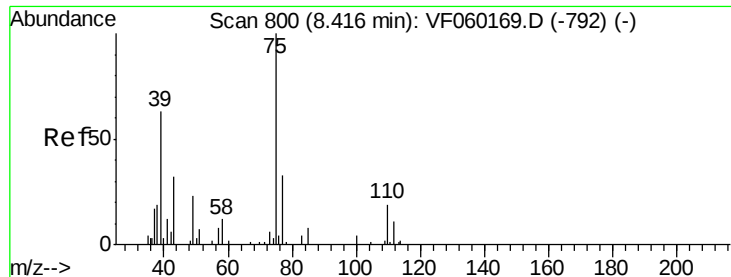
4000

2000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.41 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tot Ion: 75 Resp: 3708

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6

Instrument :

MSVOA_F

ClientSampleId :

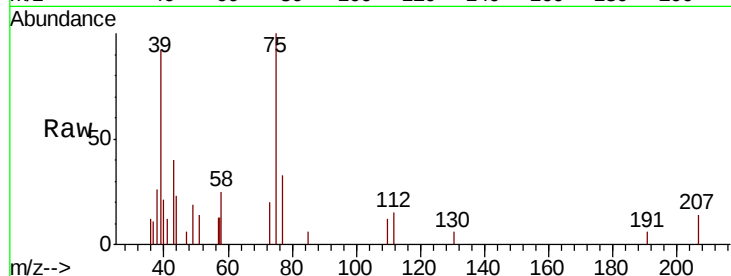
VSTDIC010

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

2000

1500

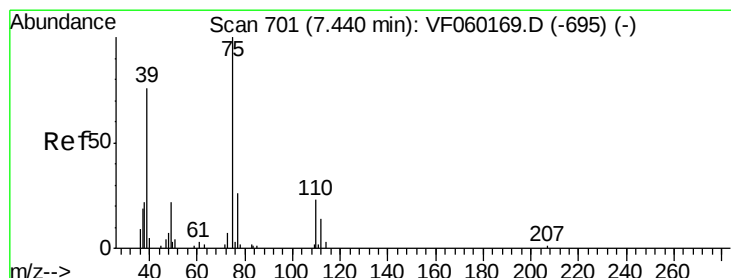
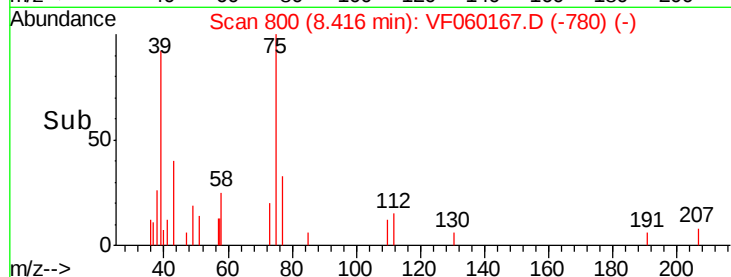
1000

500

0

8.35 8.40 8.45 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.42 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

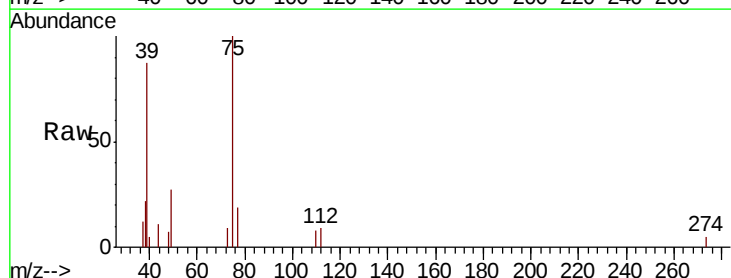
Tgt Ion: 75 Resp: 5076

Ion Ratio Lower Upper

75 100

77 19.3 20.7 31.1#

39 87.2 60.9 91.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

3000

2500

2000

1500

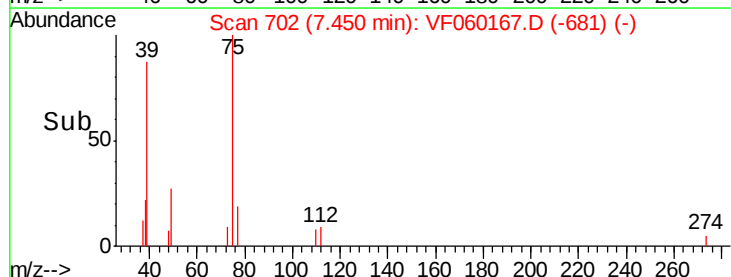
1000

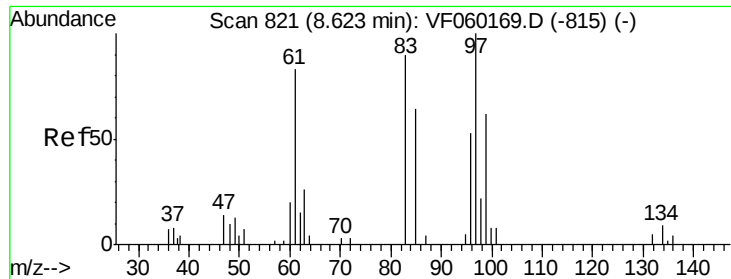
500

0

7.35 7.40 7.45 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 4.89 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

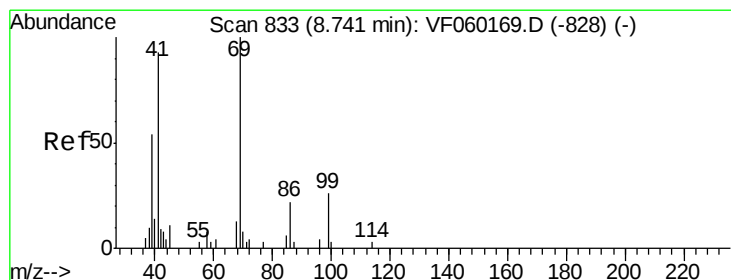
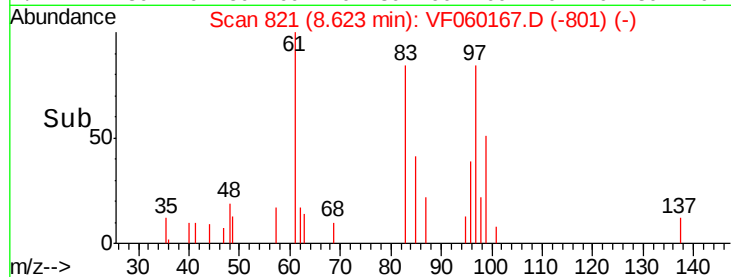
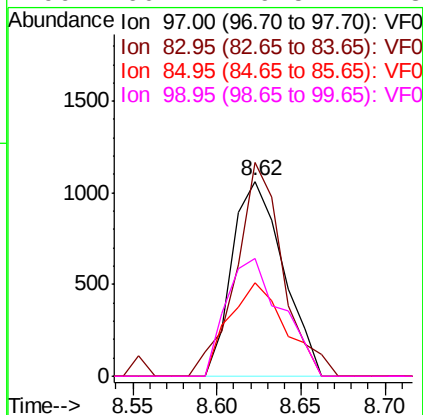
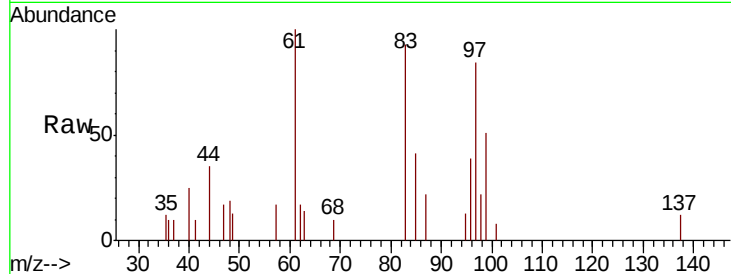
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	2245
Ion	Ratio	Lower	Upper
97	100		
83	109.6	72.0	108.0#
85	48.3	51.0	76.4#
99	60.2	49.5	74.3

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#56

Ethyl methacrylate

Concen: 3.21 ug/l

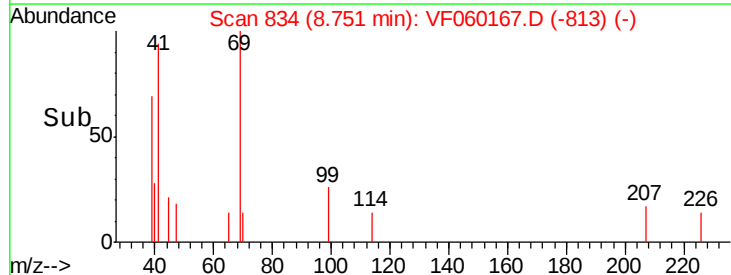
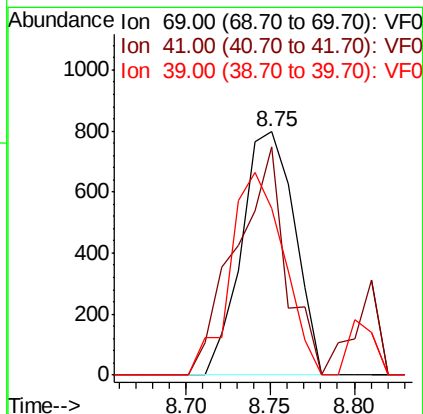
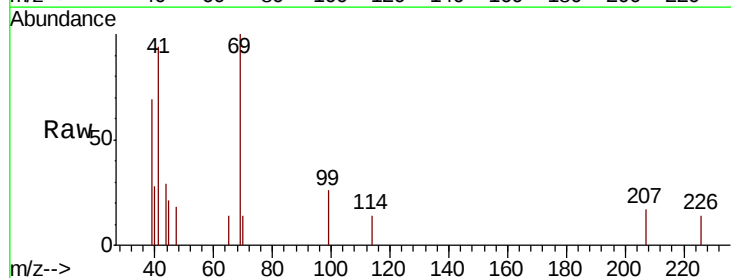
RT: 8.75 min Scan# 834

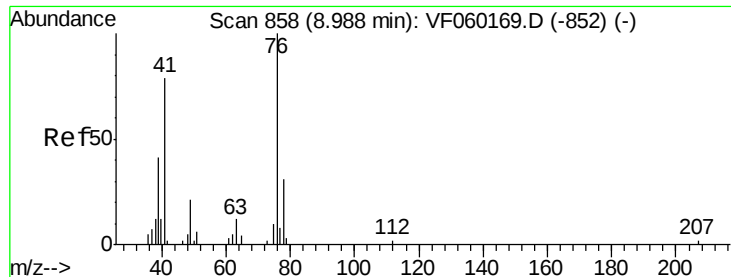
Delta R.T. 0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	69	Resp:	1747
Ion	Ratio	Lower	Upper
69	100		
41	93.9	74.6	111.8
39	68.7	46.2	69.4





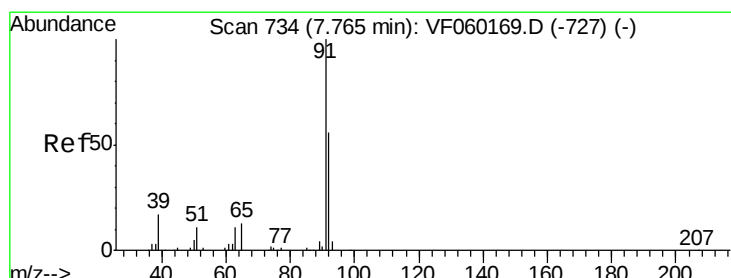
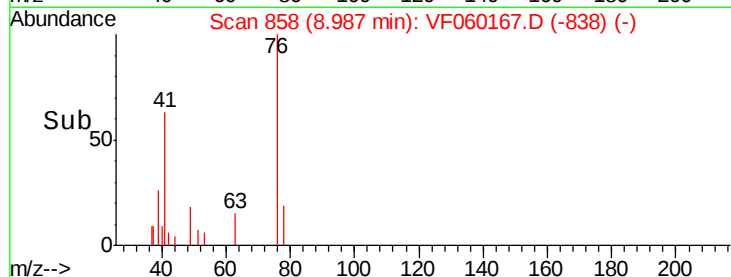
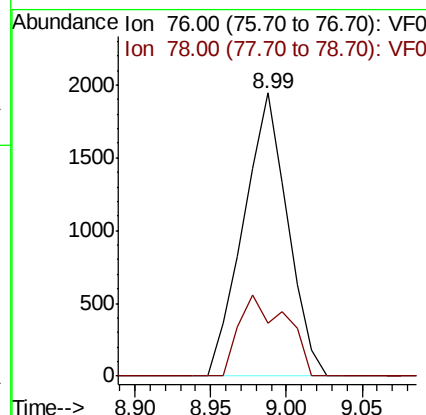
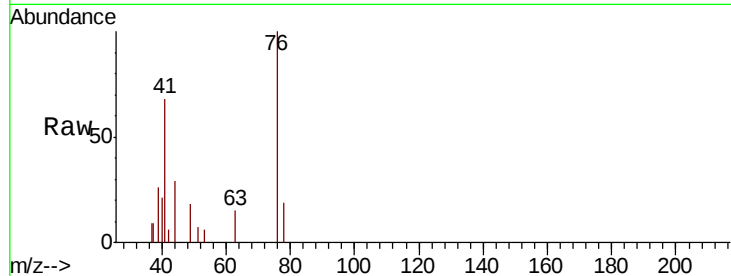
#57
 1,3-Dichloropropane
 Concen: 4.92 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	18.9	24.6	37.0#

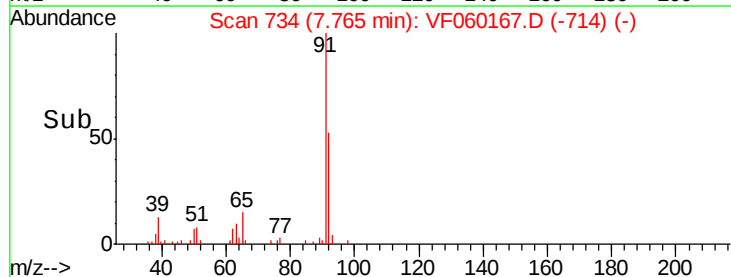
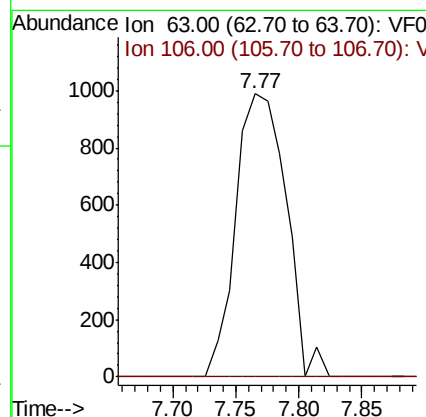
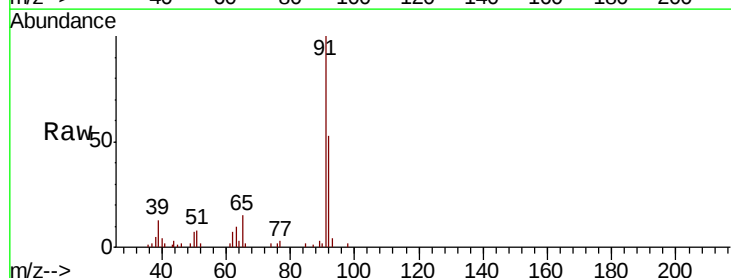
Manual Integrations
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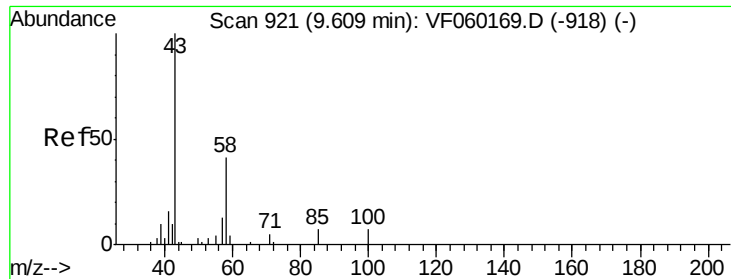
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 53.51 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





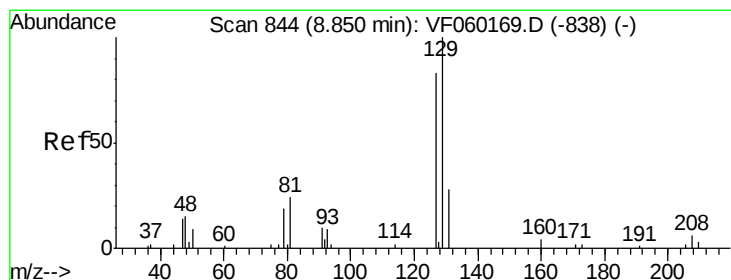
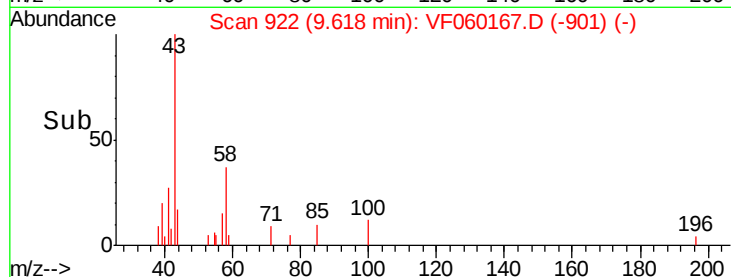
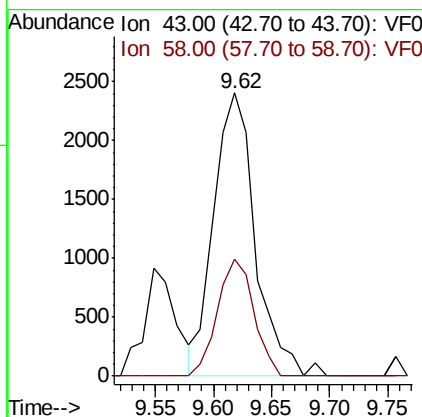
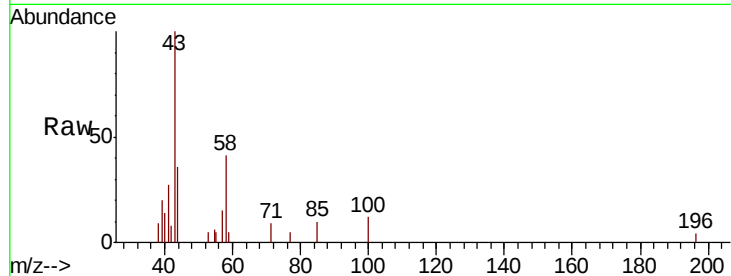
#59
2-Hexanone
Concen: 14.86 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	19.4	58.4

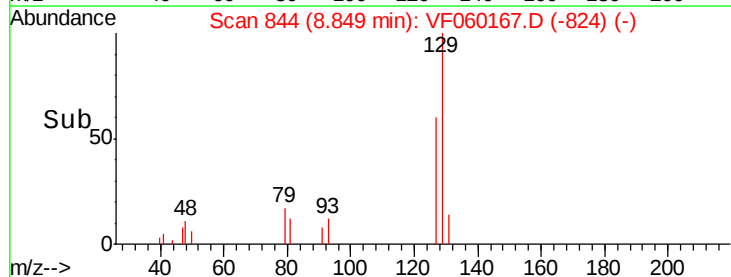
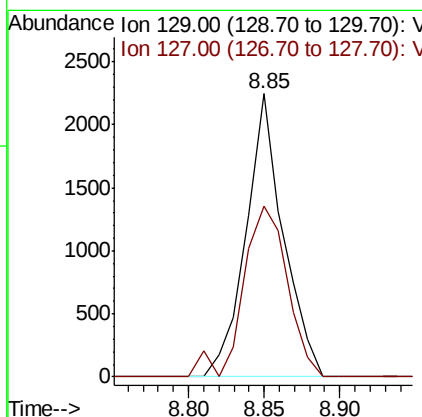
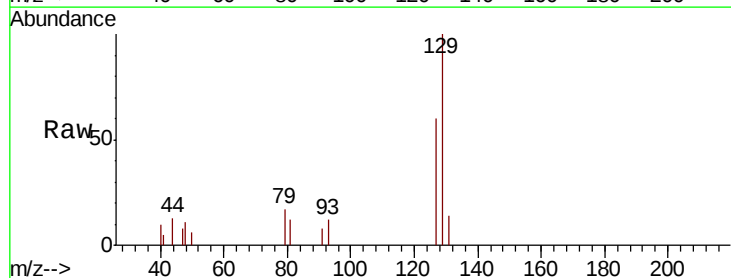
Manual Integrations
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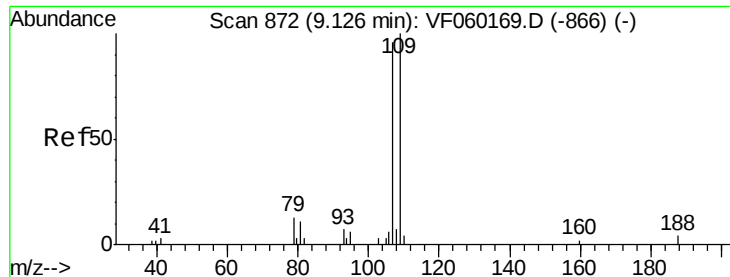
apatel
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#60
Dibromochloromethane
Concen: 5.59 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	60.2	43.2	129.6





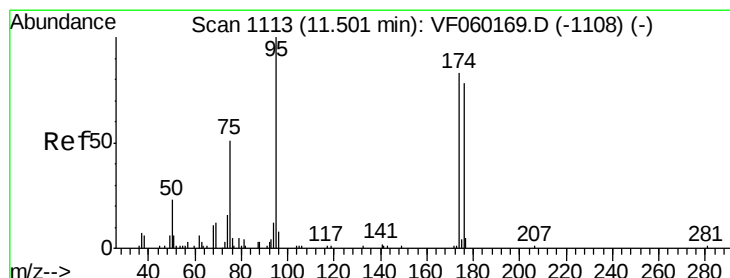
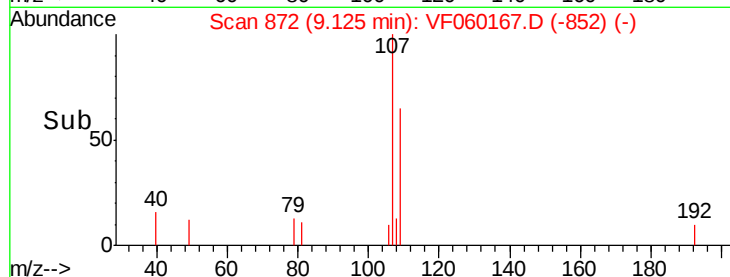
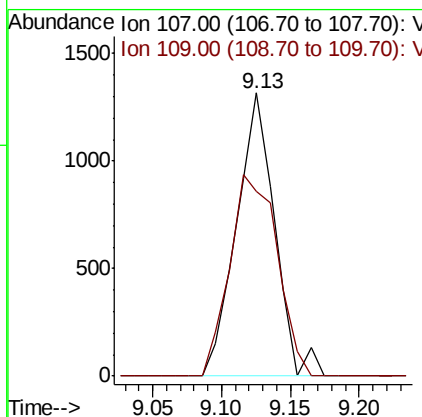
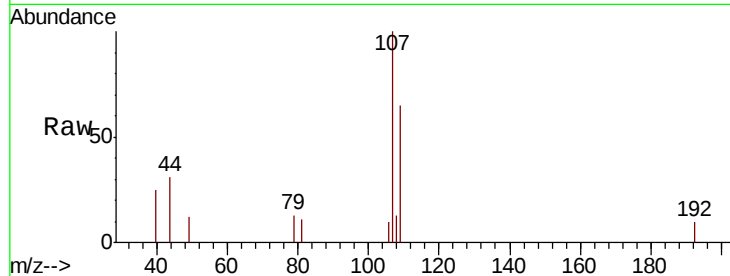
#61
 1,2-Dibromoethane
 Concen: 4.73 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	65.4	83.4	125.0#

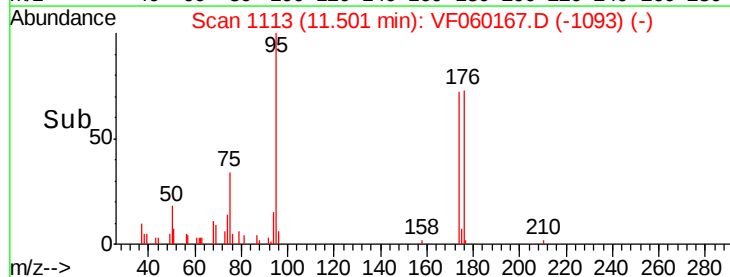
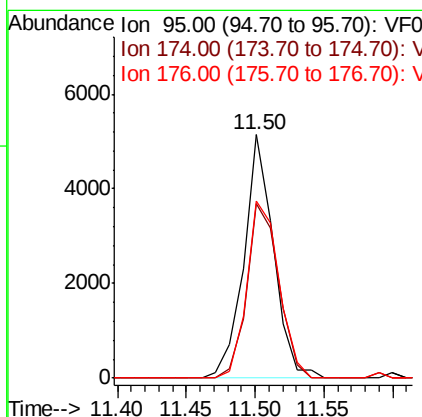
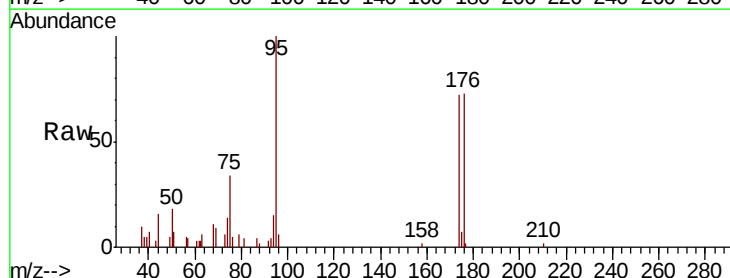
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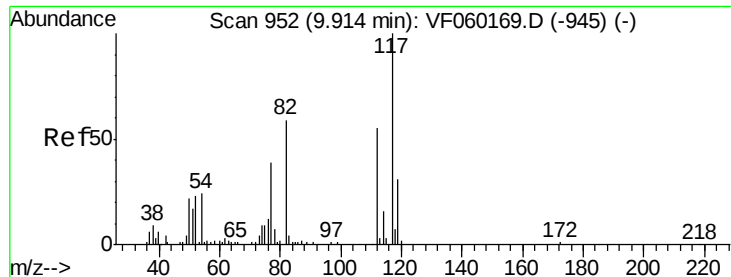
apatel
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#62
 4-Bromofluorobenzene
 Concen: 7.49 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	165.2
176	72.9	0.0	156.6





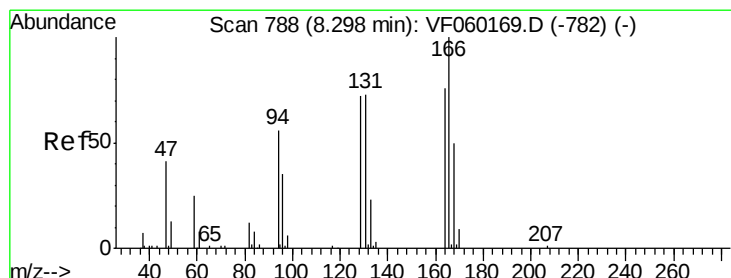
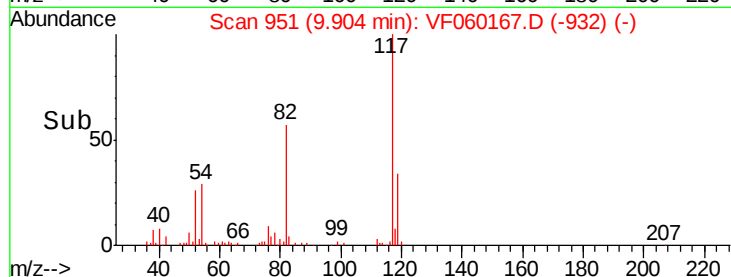
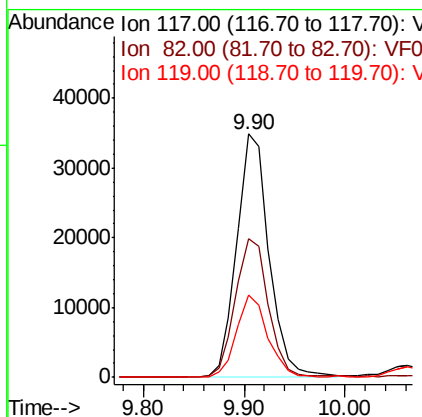
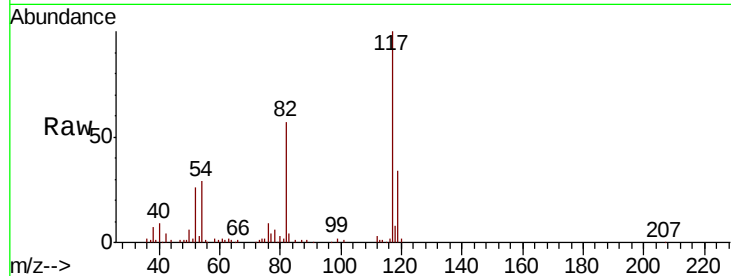
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	33.8	25.0	37.4

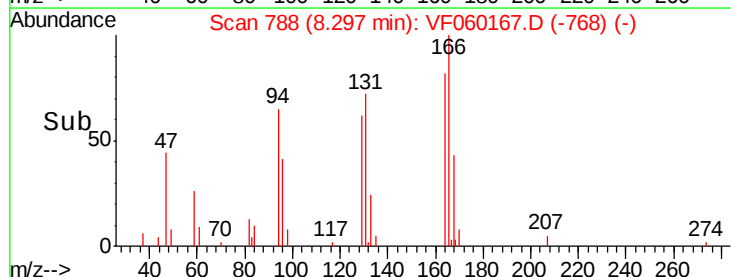
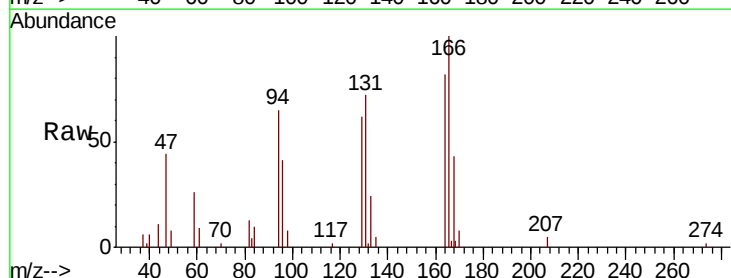
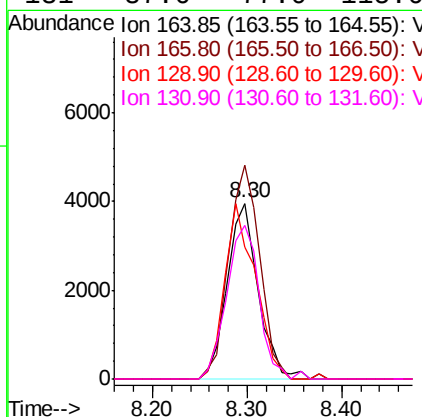
Manual Integrations
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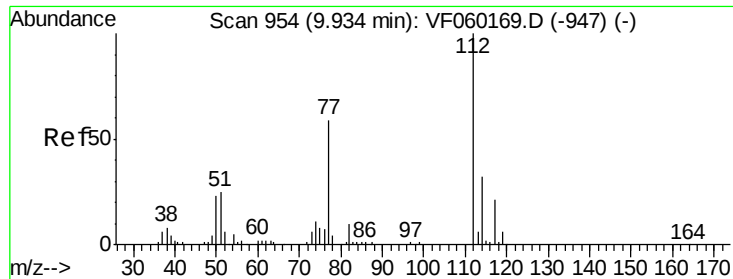
apatel
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#64
Tetrachloroethene
Concen: 15.06 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	105.2	157.8
129	75.1	76.2	114.2#
131	87.6	77.0	115.6





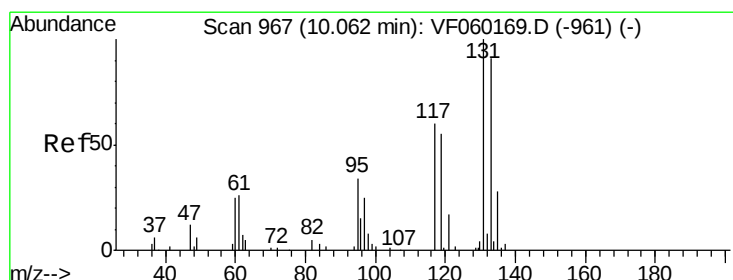
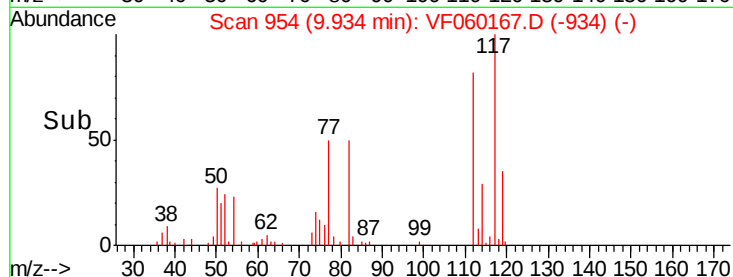
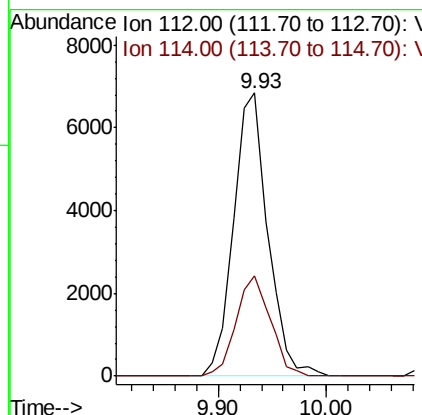
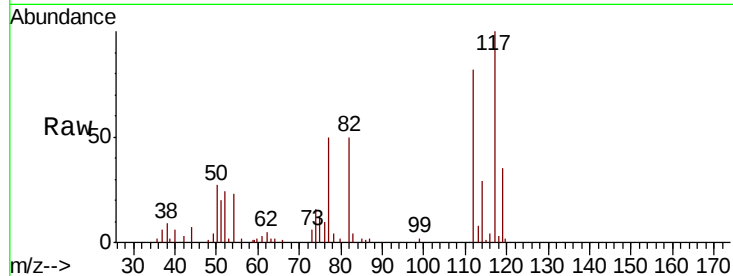
#65
Chlorobenzene
Concen: 10.08 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 15064
Ion Ratio Lower Upper
112 100
114 35.6 25.4 38.0

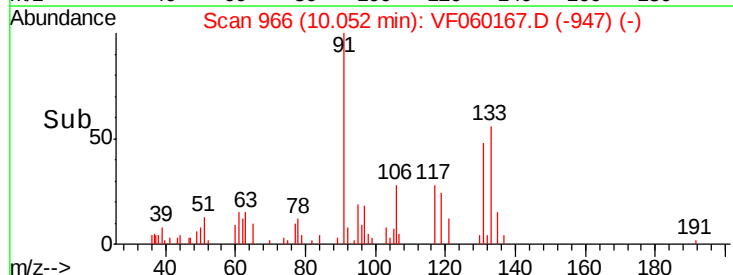
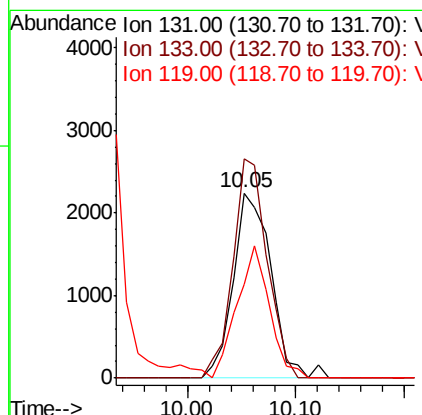
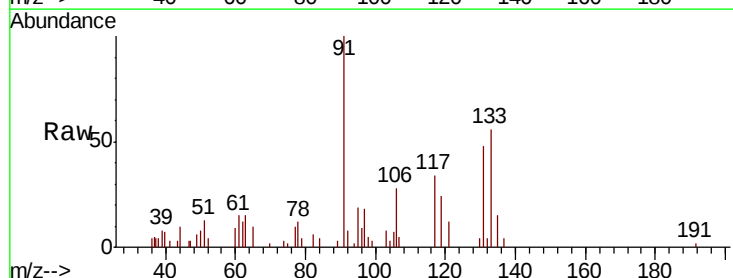
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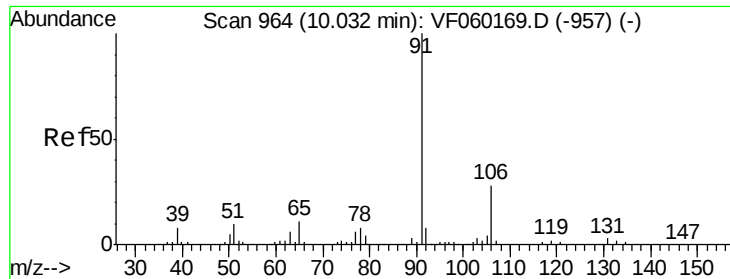
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.75 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion:131 Resp: 5465
Ion Ratio Lower Upper
131 100
133 118.1 45.7 137.1
119 50.6 28.1 84.3





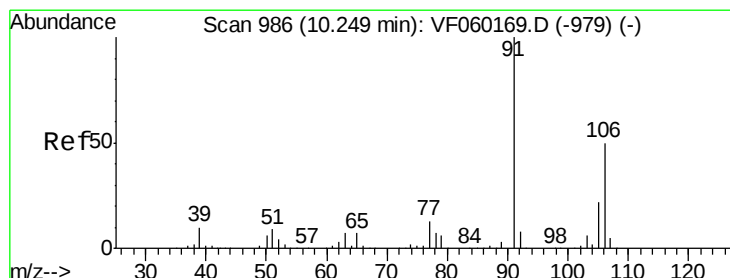
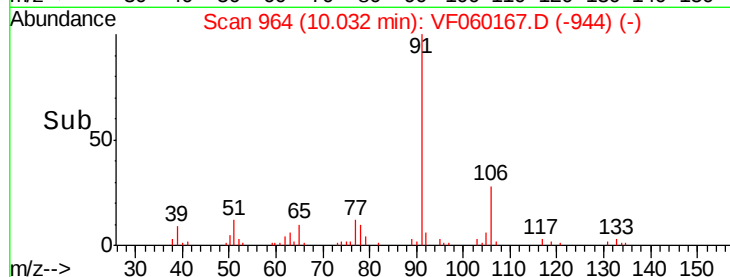
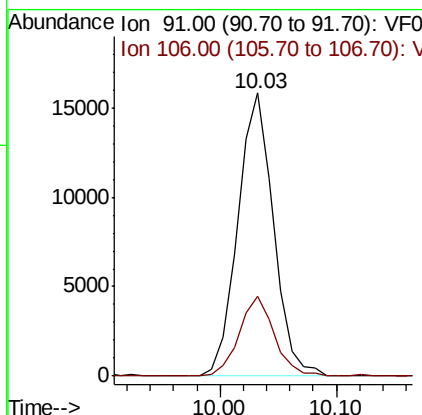
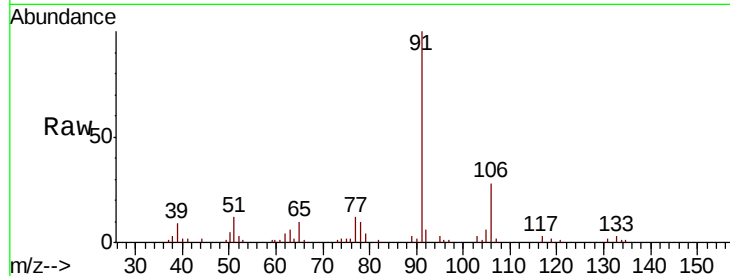
#67
Ethyl Benzene
Concen: 12.08 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 33514
Ion Ratio Lower Upper
91 100
106 28.4 22.8 34.2

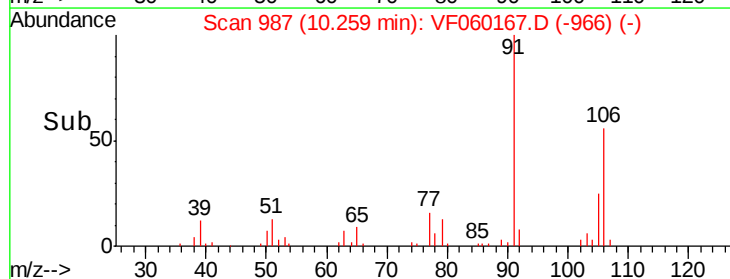
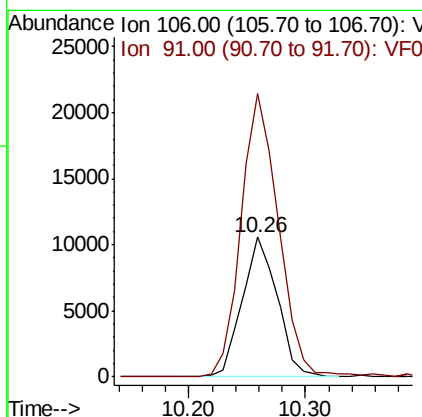
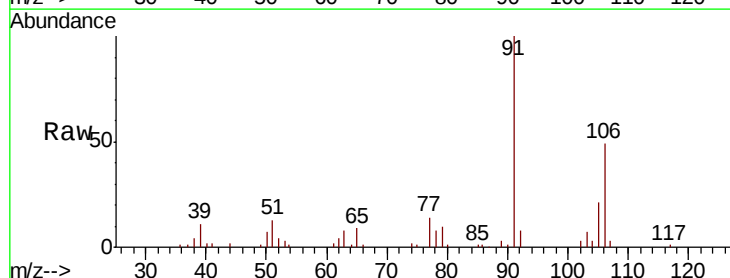
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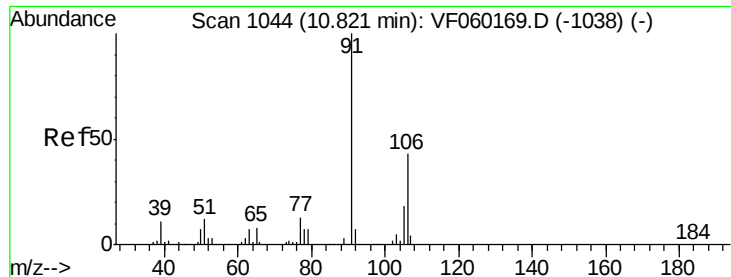
apatel
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#68
m/p-Xylenes
Concen: 21.30 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion: 106 Resp: 22104
Ion Ratio Lower Upper
106 100
91 202.5 161.3 241.9





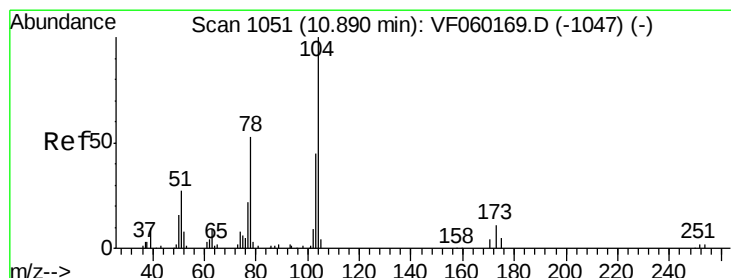
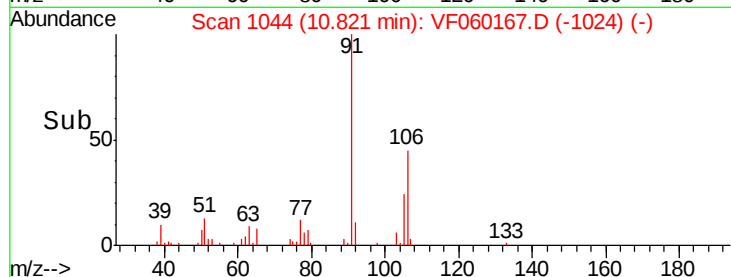
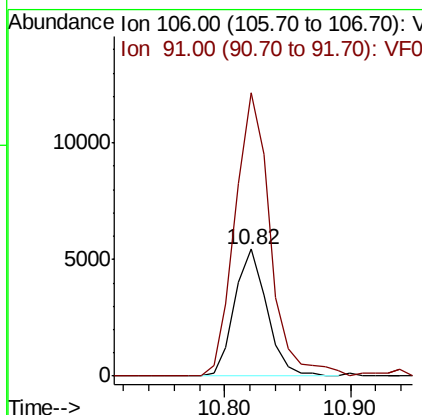
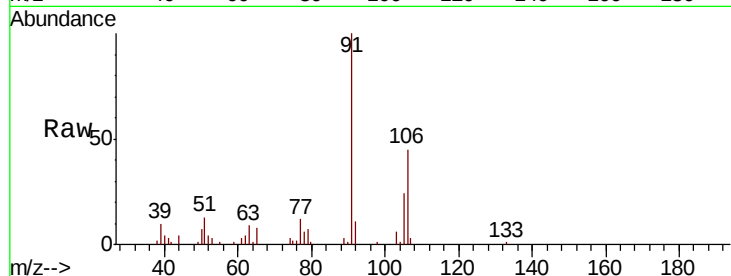
#69
o-Xylene
Concen: 9.55 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.3	117.0	350.8

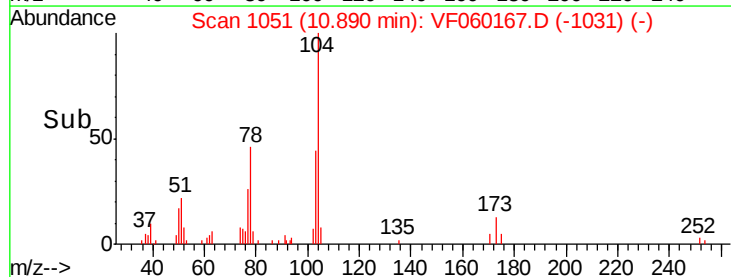
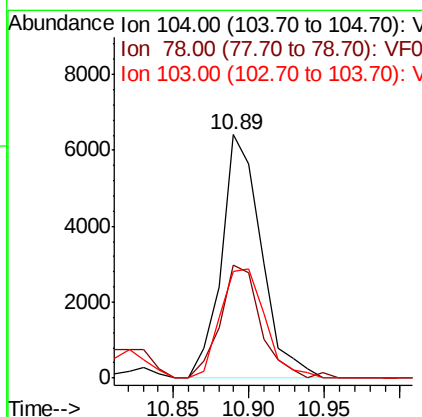
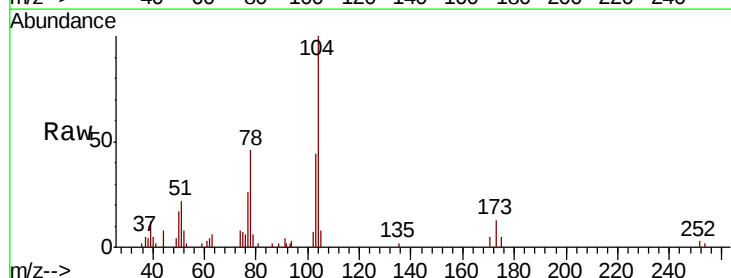
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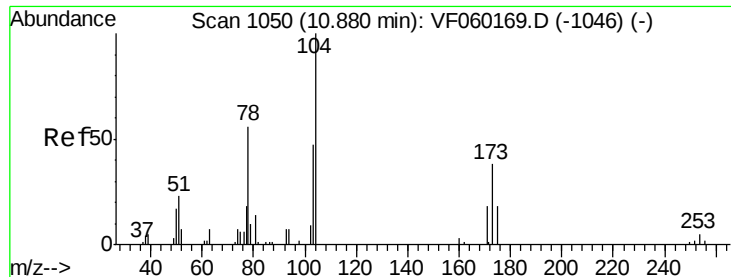
apatel
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#70
Styrene
Concen: 7.78 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	42.6	64.0
103	43.6	36.8	55.2





#71

Bromoform

Concen: 4.09 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 1472

Ion Ratio Lower Upper

173 100

175 55.7 23.8 71.2

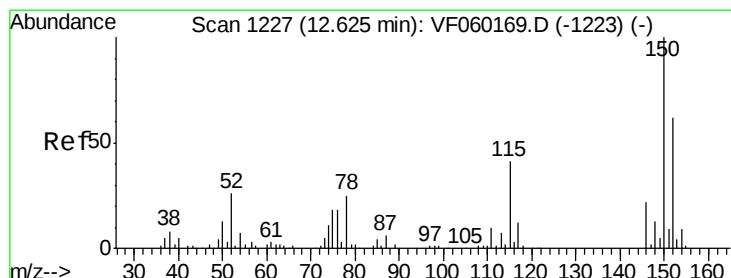
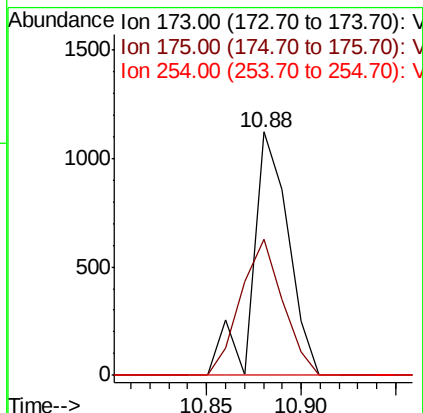
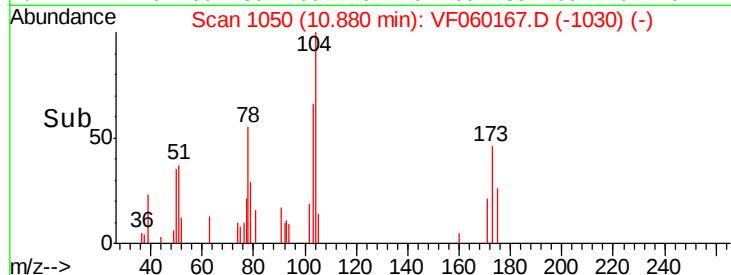
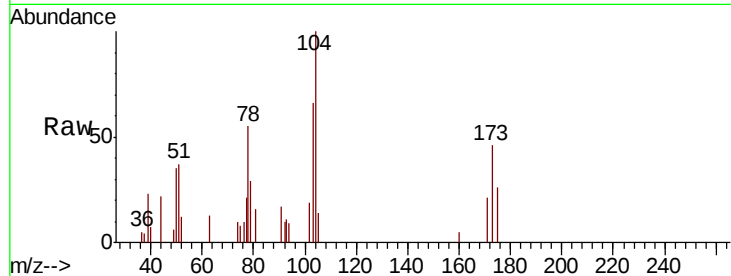
254 0.0 0.0 0.0

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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: VF060167.D

Acq: 29 Aug 2018 00:32

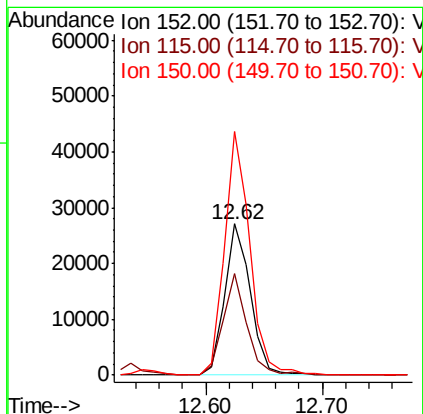
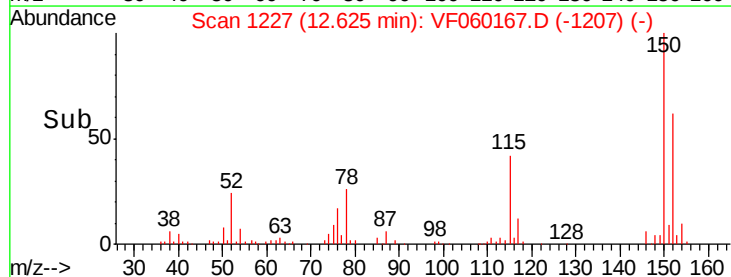
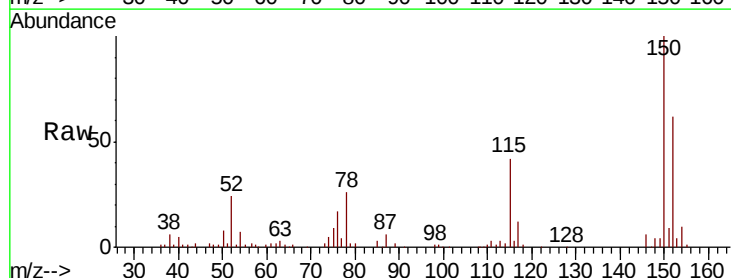
Tgt Ion:152 Resp: 41446

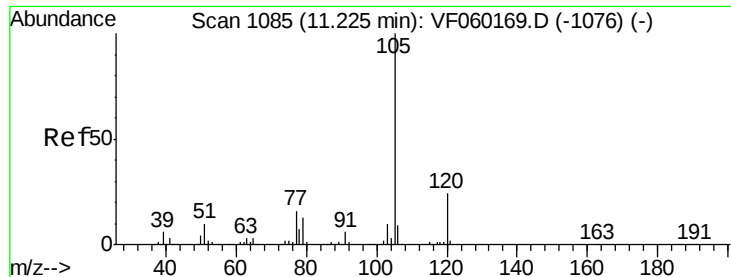
Ion Ratio Lower Upper

152 100

115 67.0 33.2 99.6

150 161.2 0.0 325.6





#73

Isopropylbenzene

Concen: 13.82 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 39852

Ion Ratio Lower Upper

105 100

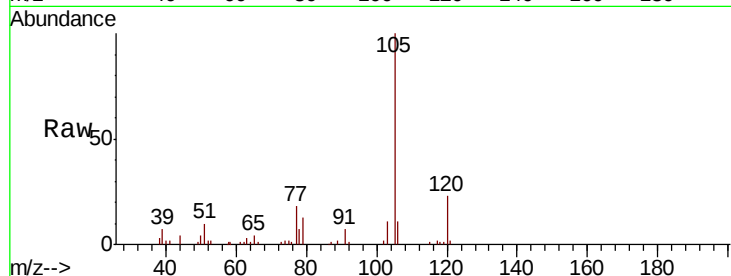
120 23.2 12.0 36.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

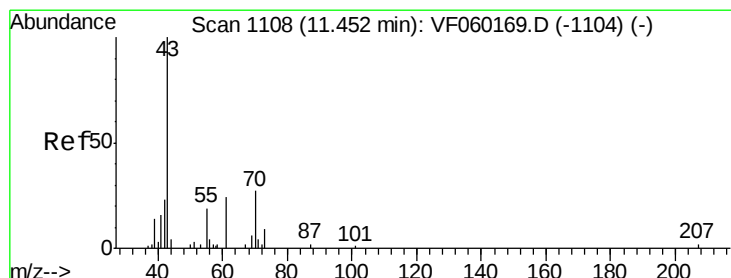
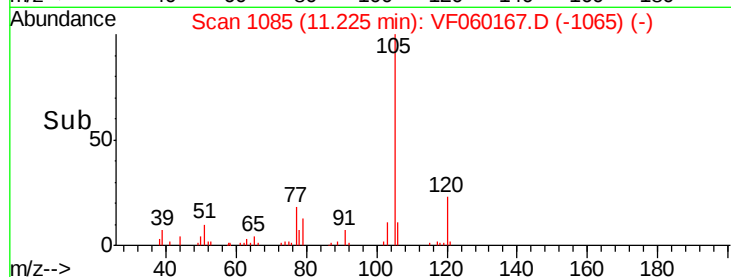
15000

10000

5000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 4.55 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion: 43 Resp: 3136

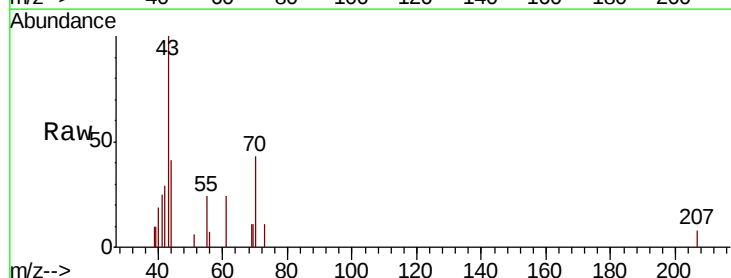
Ion Ratio Lower Upper

43 100

70 43.0 22.0 33.0#

55 30.6 15.2 22.8#

61 24.4 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

2500

2000

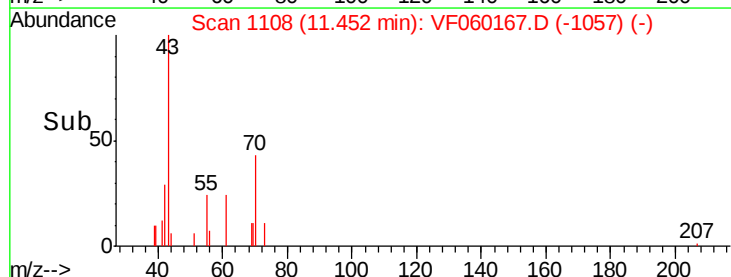
1500

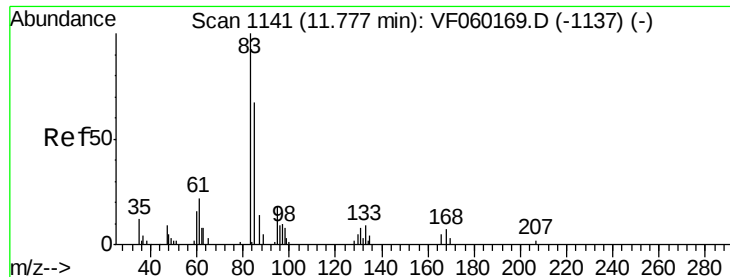
1000

500

0

Time--> 11.40 11.45 11.50 11.55





#75

1,1,2,2-Tetrachloroethane

Concen: 6.04 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

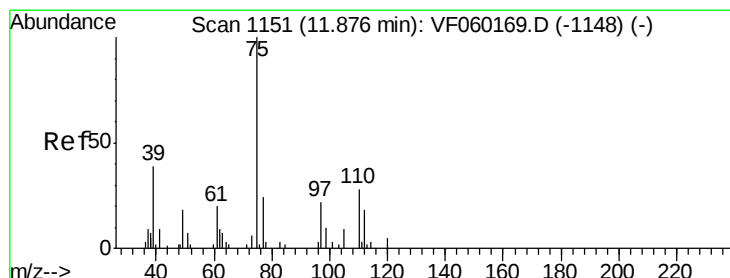
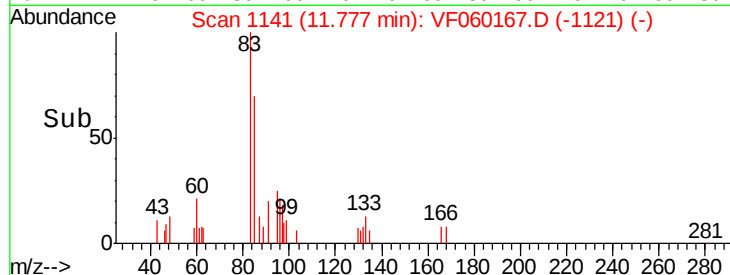
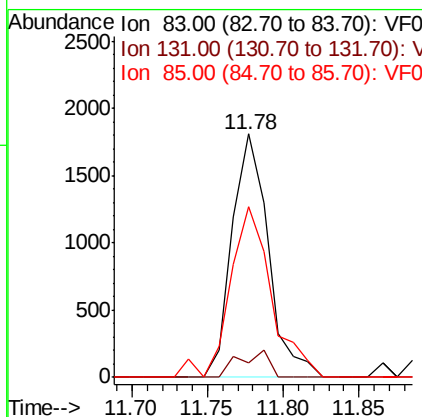
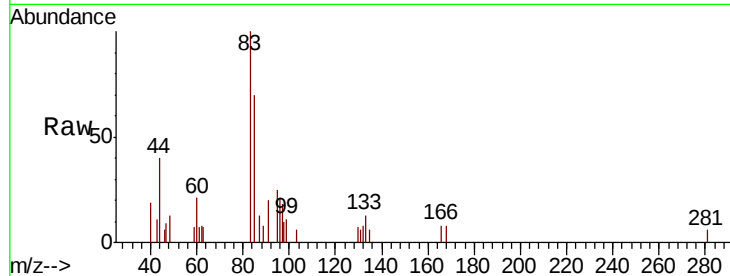
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	5.9	4.0	12.0
85	70.0	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 5.80 ug/l m

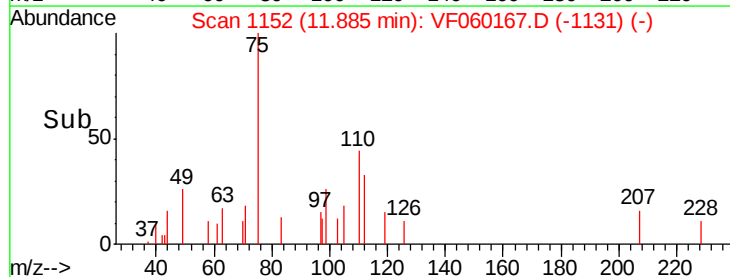
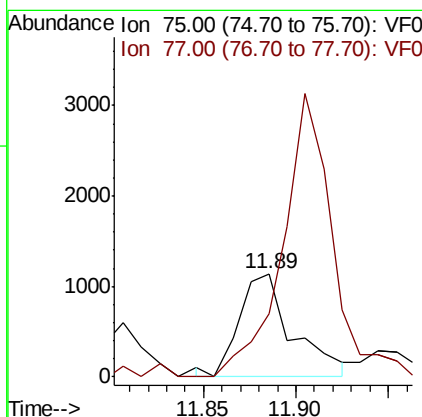
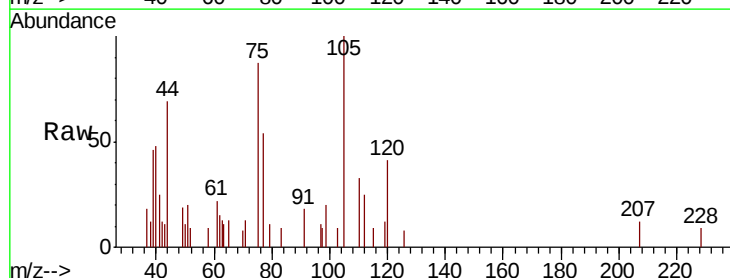
RT: 11.89 min Scan# 1152

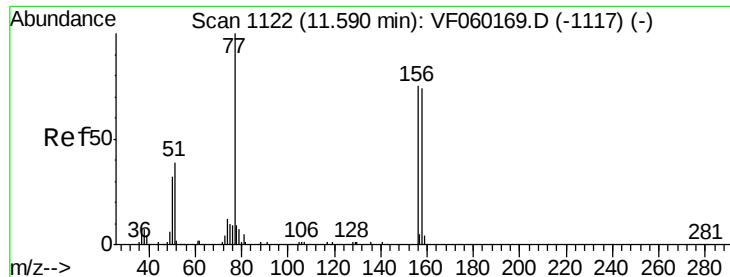
Delta R.T. 0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	61.7	12.8	38.3#





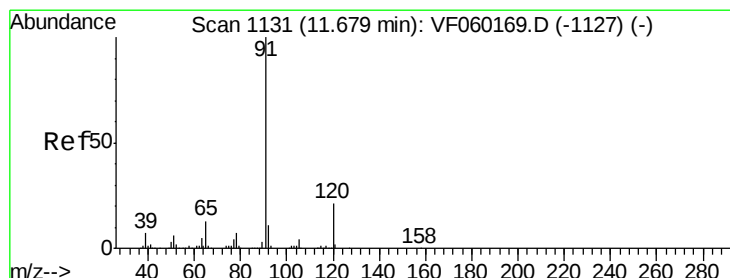
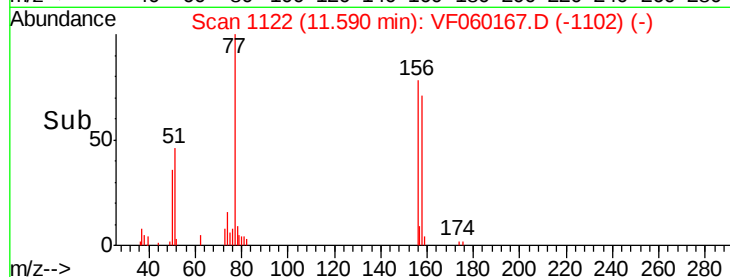
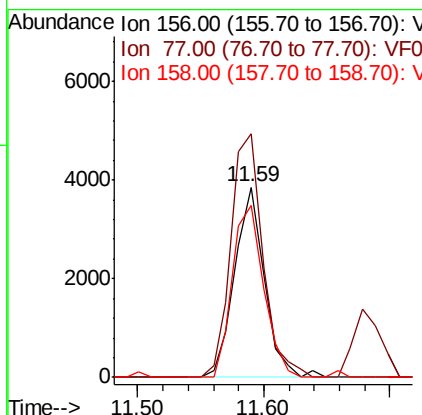
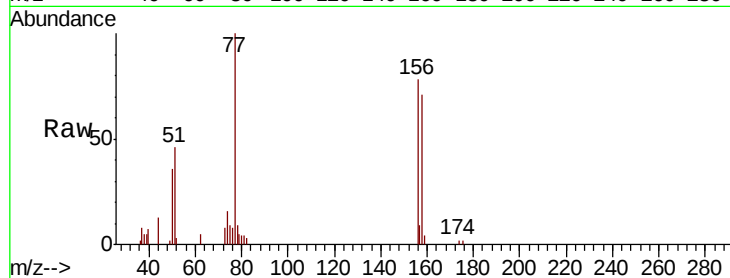
#77
Bromobenzene
Concen: 9.28 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.1	66.8	200.6
158	90.6	49.7	149.1

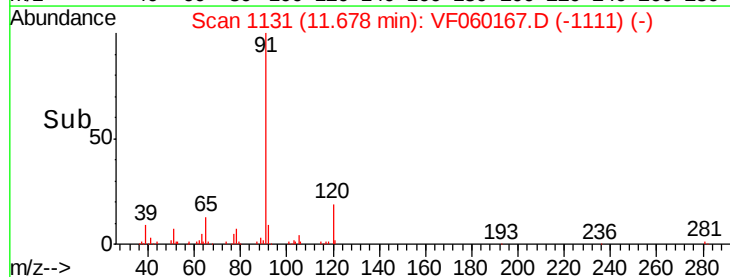
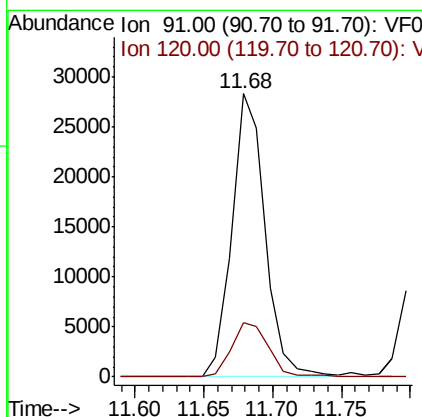
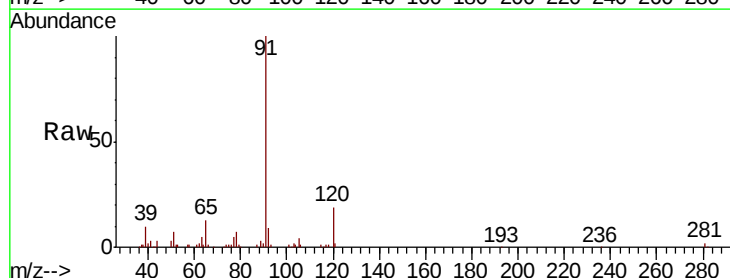
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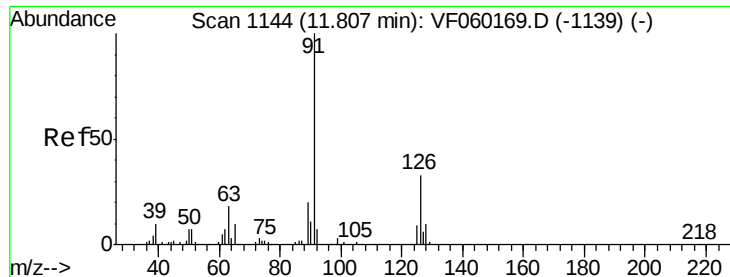
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#78
n-propylbenzene
Concen: 13.43 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.3	10.8	32.3





#79

2-Chlorotoluene

Concen: 11.69 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 22775

Ion Ratio Lower Upper

91 100

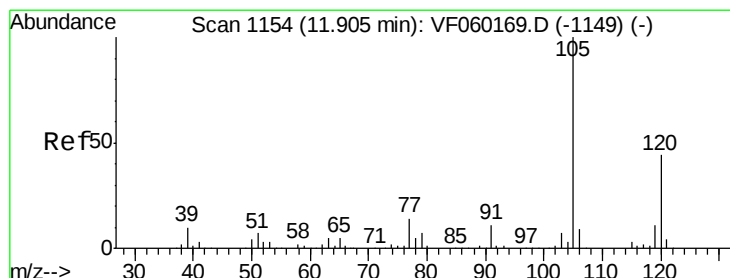
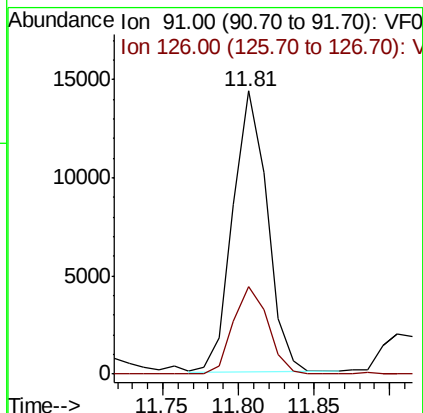
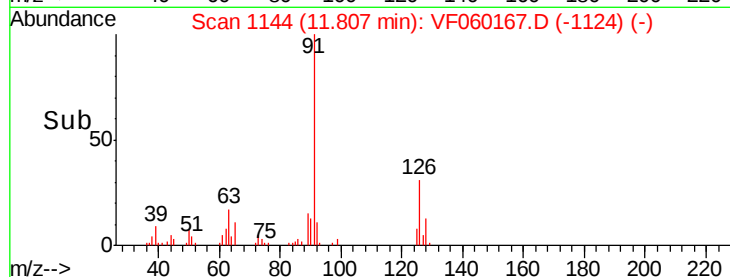
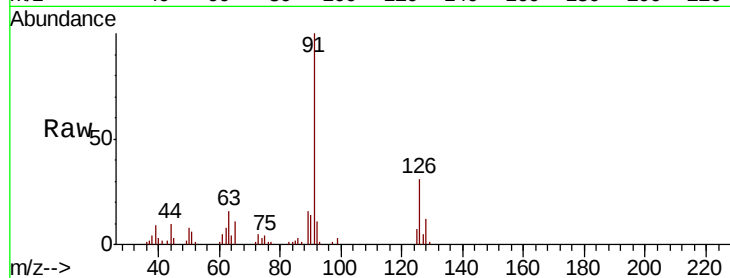
126 31.0 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 12.88 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF060167.D

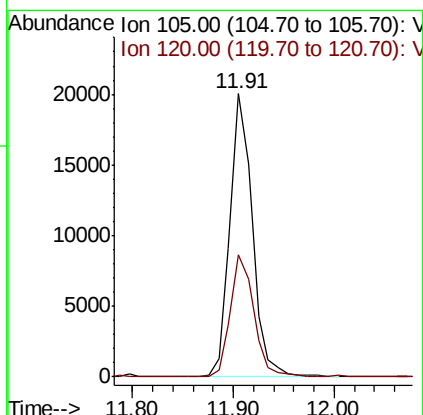
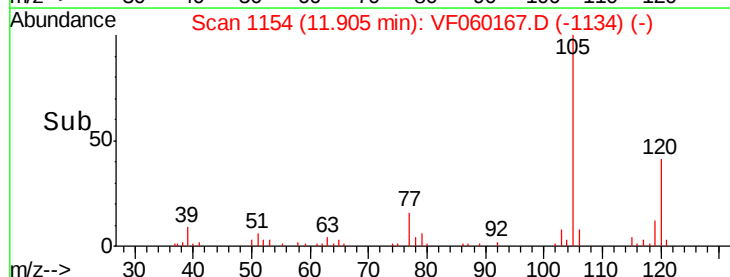
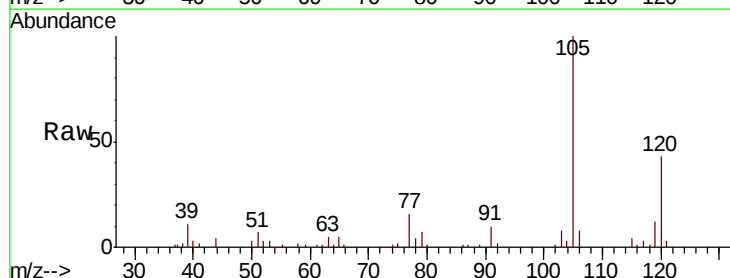
Acq: 29 Aug 2018 00:32

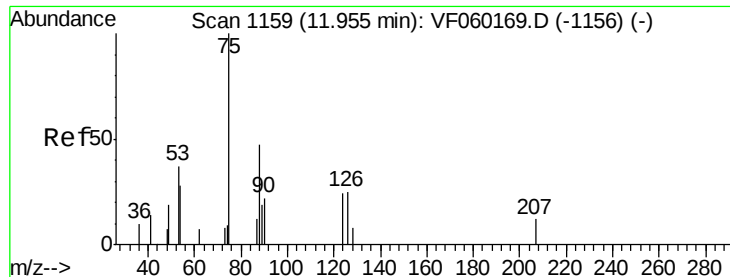
Tgt Ion:105 Resp: 31013

Ion Ratio Lower Upper

105 100

120 43.2 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 3.09 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

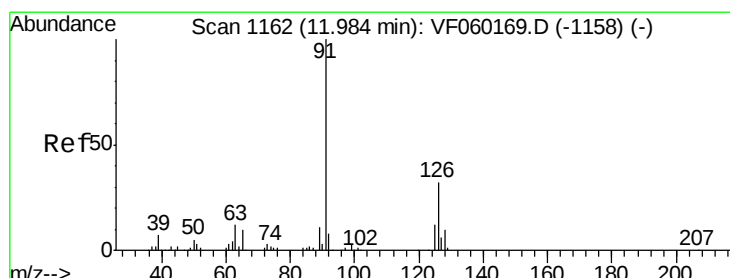
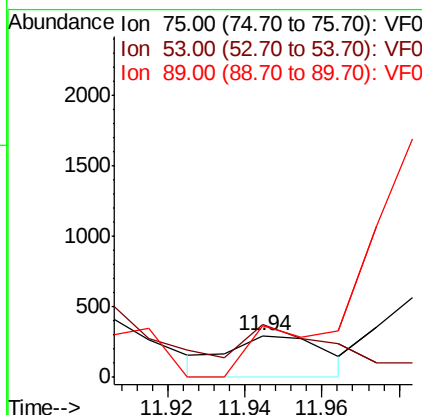
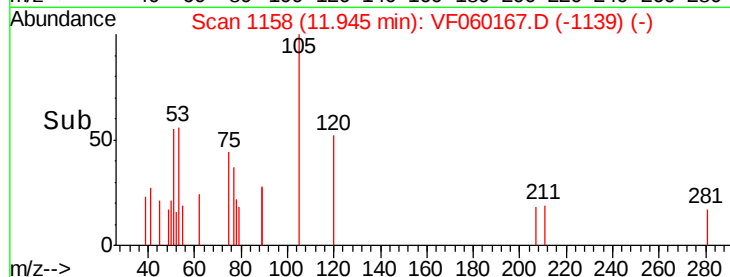
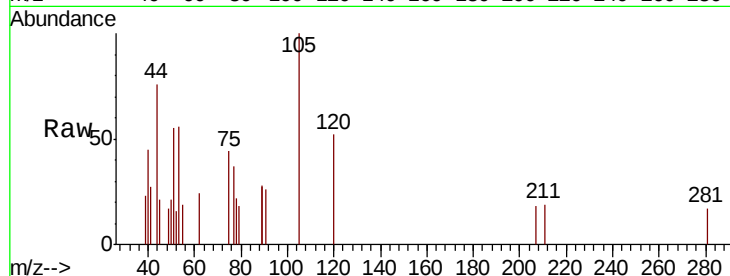
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	526
Ion	Ratio	Lower	Upper
75	100		
53	126.5	53.4	80.0#
89	63.6	28.9	43.3#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 11.17 ug/l

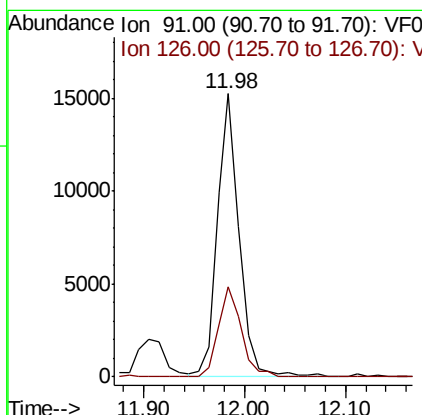
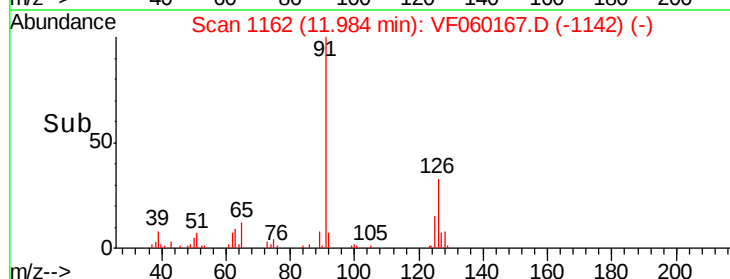
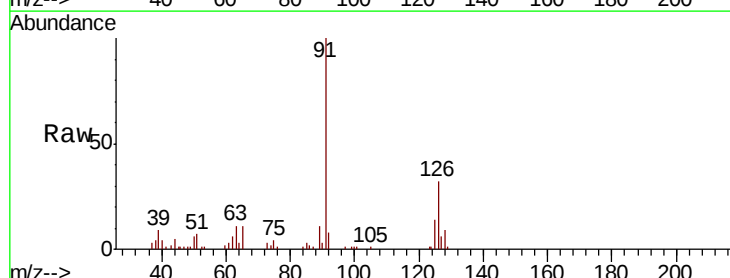
RT: 11.98 min Scan# 1162

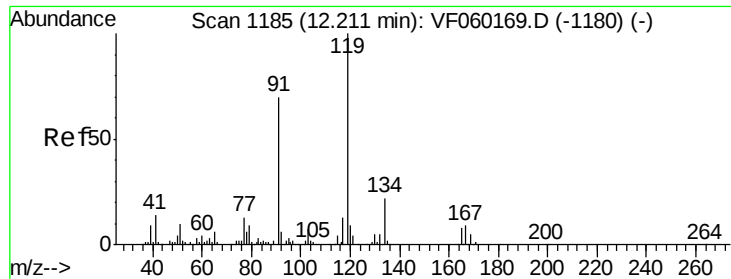
Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Tgt Ion:	91	Resp:	23068
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.2





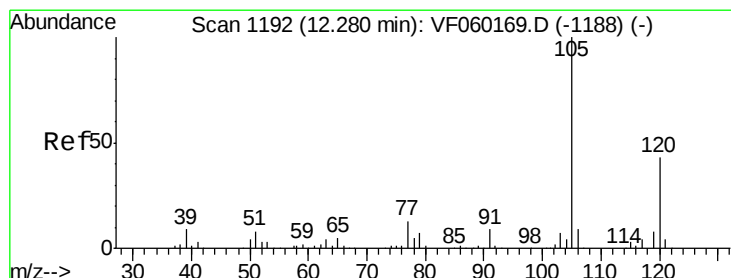
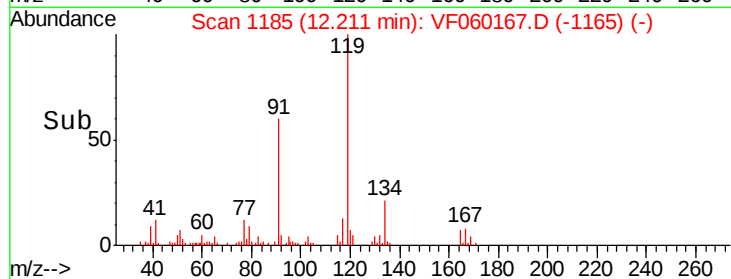
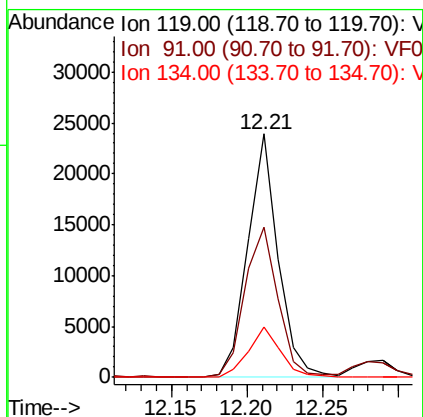
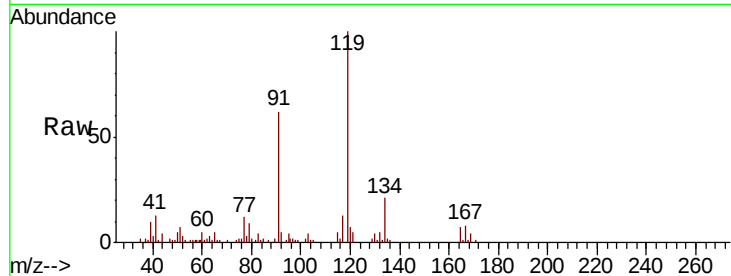
#83
 tert-Butylbenzene
 Concen: 14.19 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	35.3	105.7
134	20.9	11.2	33.5

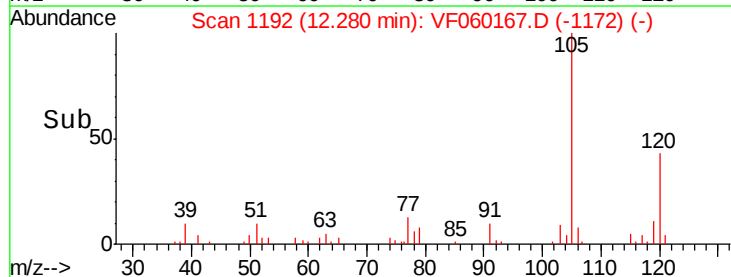
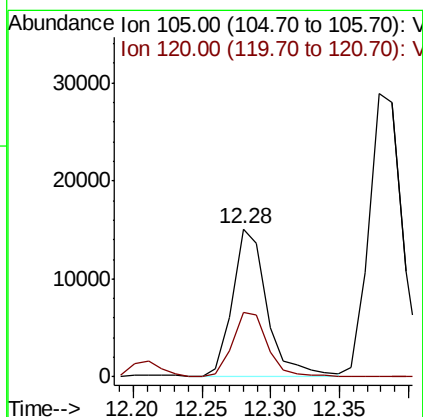
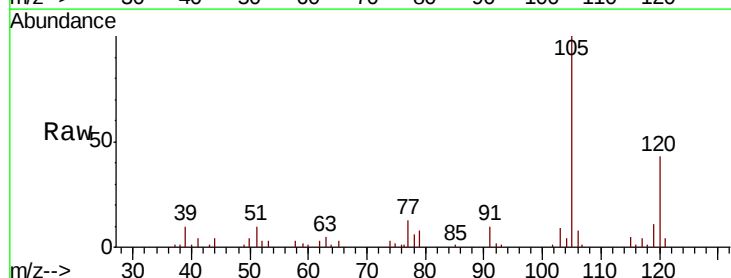
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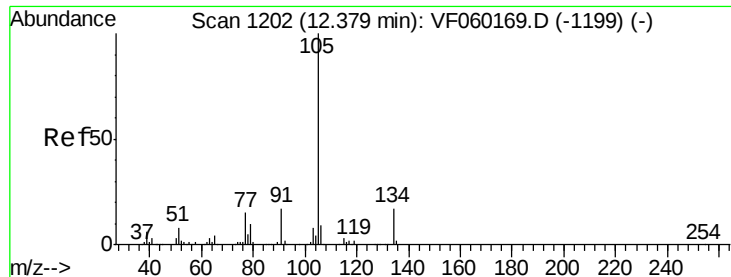
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.81 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 14.42 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 49185

Ion Ratio Lower Upper

105 100

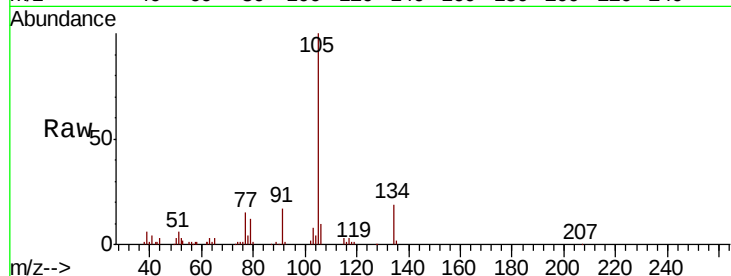
134 18.9 8.4 25.2

Manual Integrations

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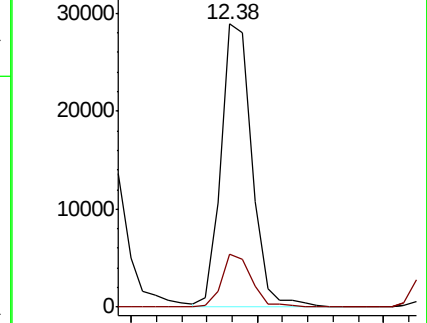
apatel

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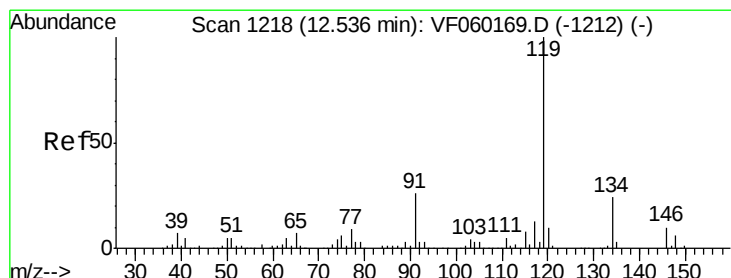
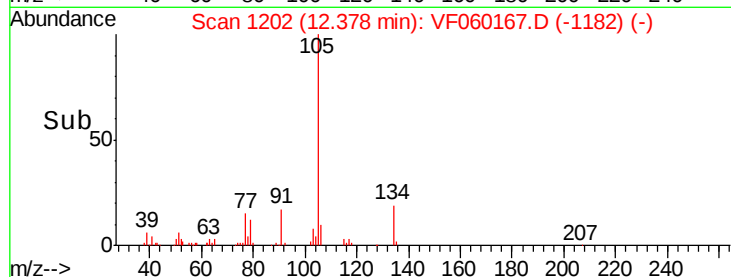


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 12.51 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060167.D

Acq: 29 Aug 2018 00:32

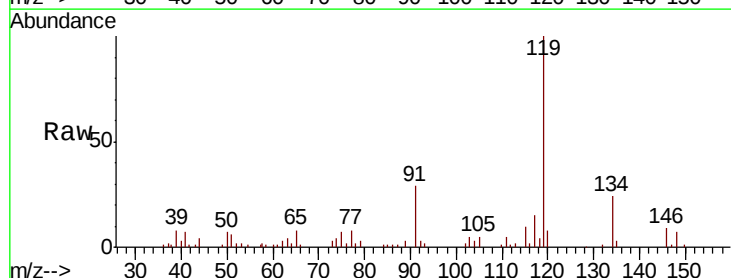
Tgt Ion:119 Resp: 34538

Ion Ratio Lower Upper

119 100

134 23.5 11.9 35.9

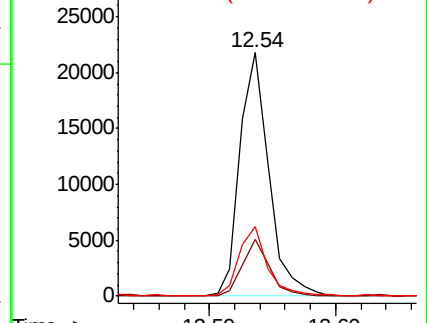
91 28.6 13.0 39.0



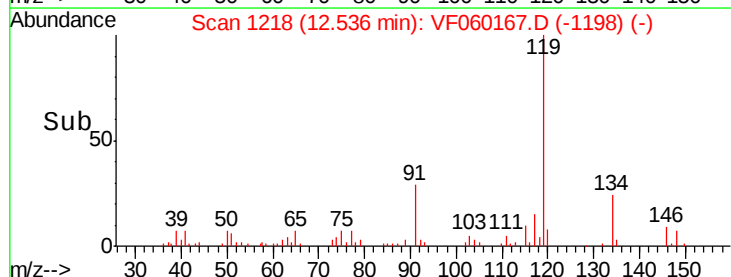
Abundance Ion 119.00 (118.70 to 119.70): V

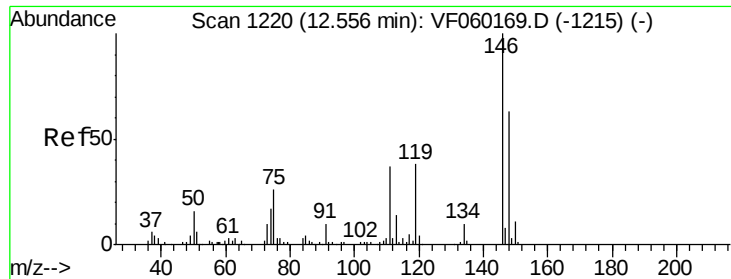
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





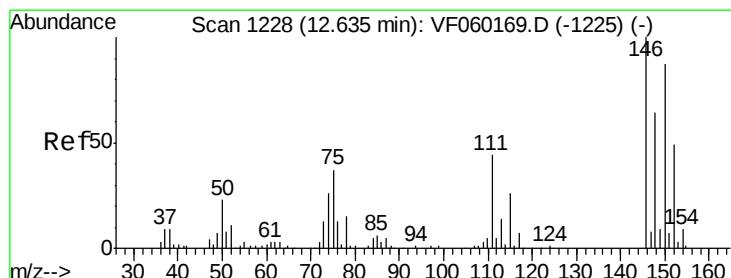
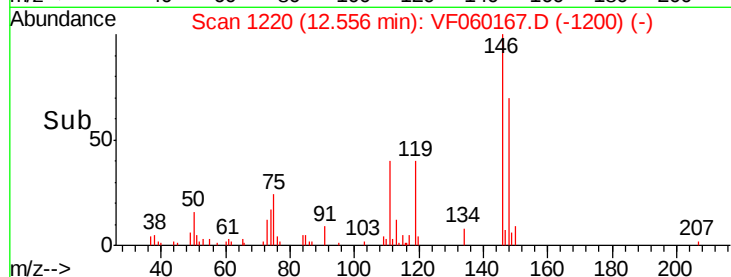
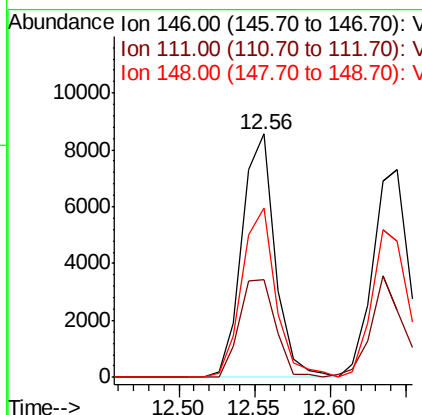
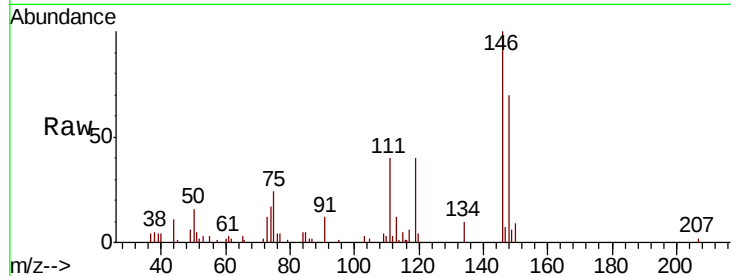
#87
 1,3-Dichlorobenzene
 Concen: 10.15 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.8	56.3
148	69.5	31.6	94.8

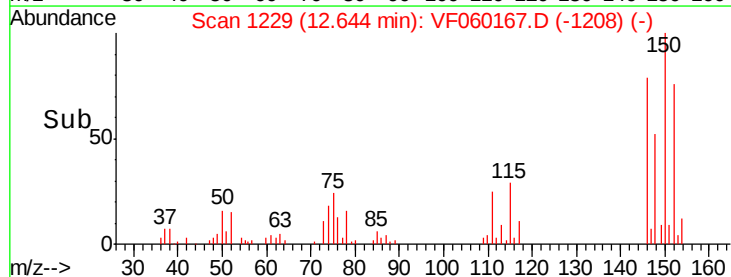
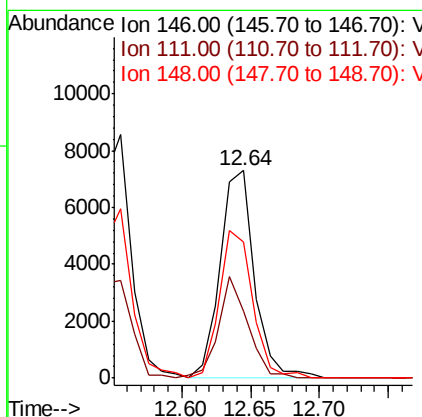
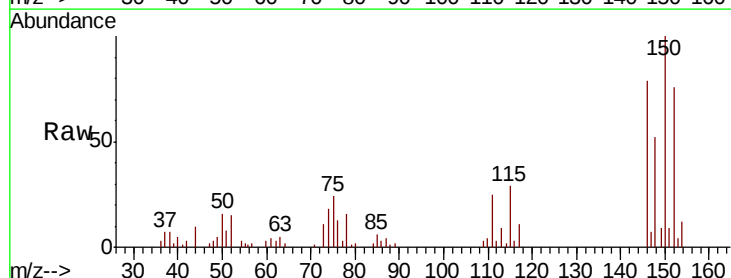
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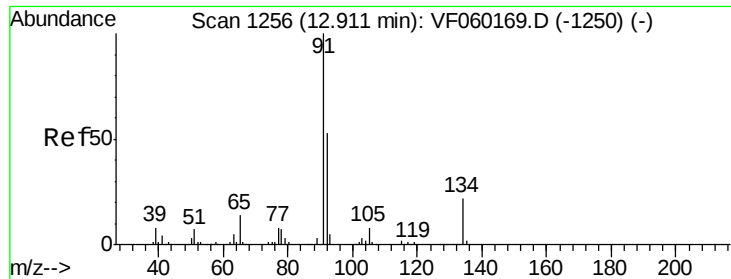
apatel
 8/29/2018 2:01:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 10.07 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.1	22.1	66.3
148	65.5	32.0	96.2





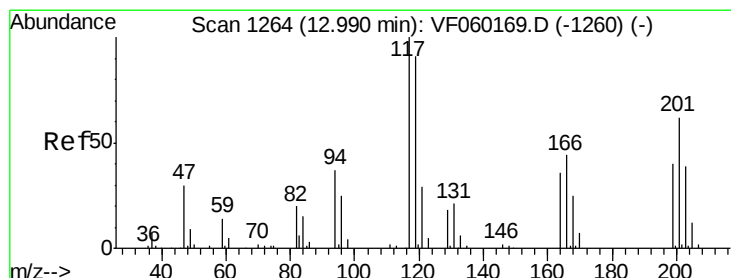
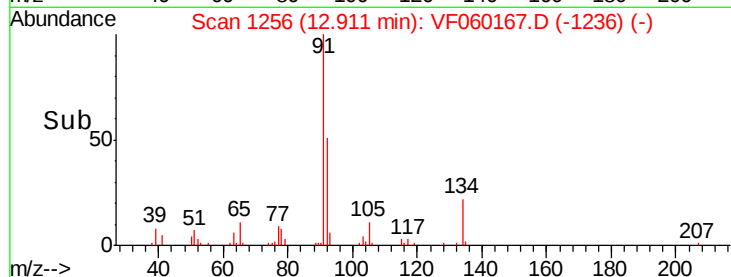
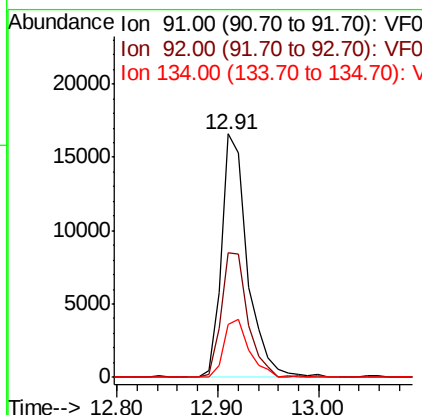
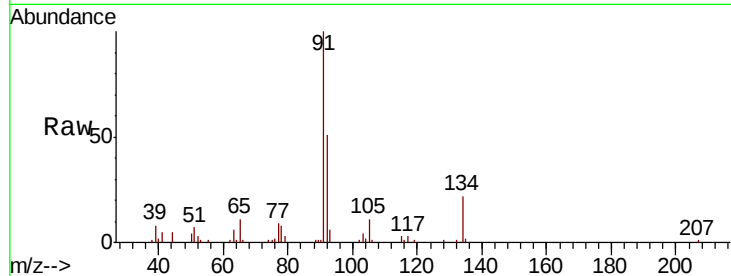
#89
n-Butylbenzene
Concen: 11.50 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.7	80.0
134	21.5	11.0	33.0

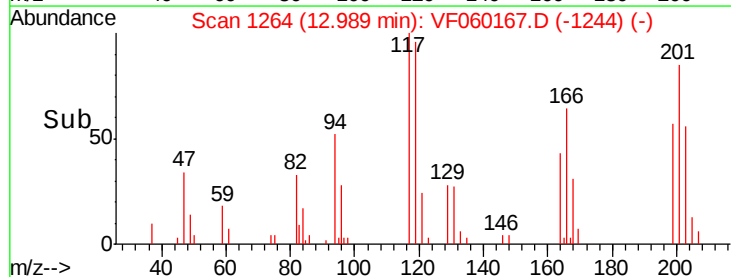
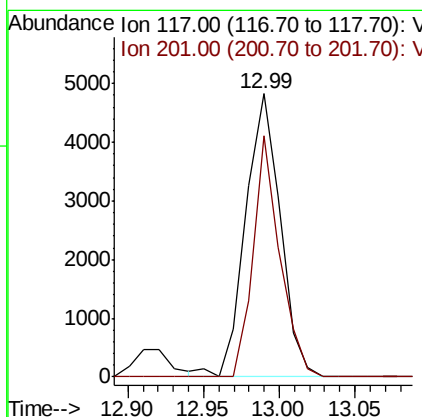
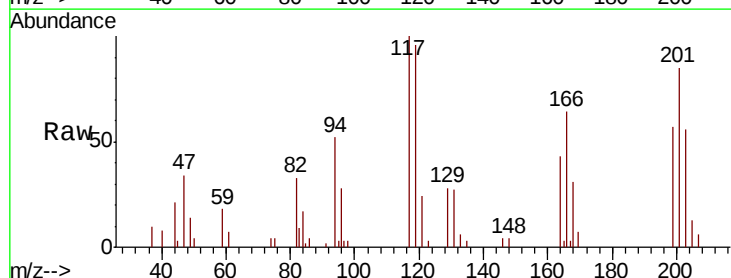
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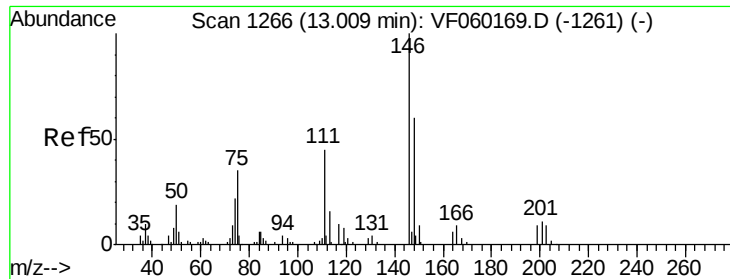
apatel
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#90
Hexachloroethane
Concen: 12.62 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	32.0	96.2





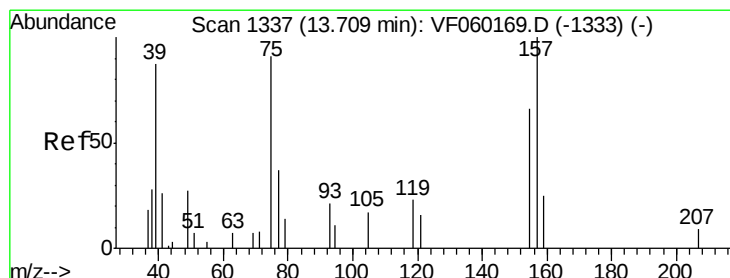
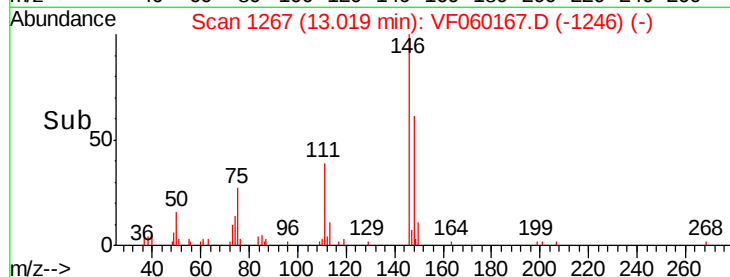
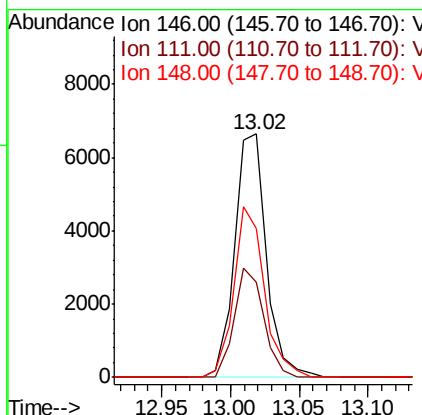
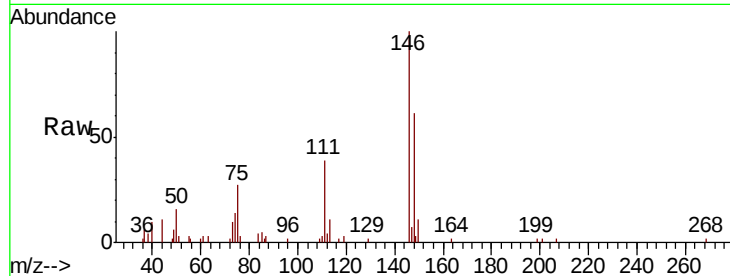
#91
 1,2-Dichlorobenzene
 Concen: 8.98 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	22.7	68.1
148	61.0	30.0	90.1

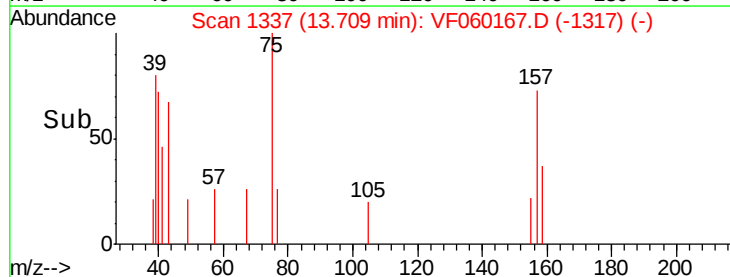
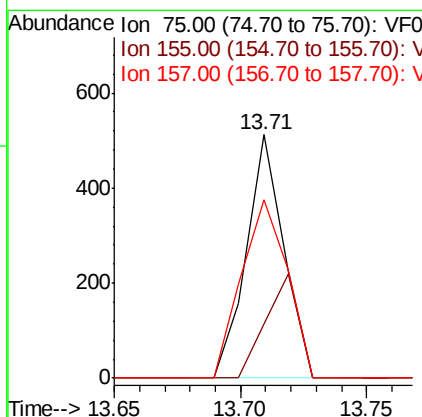
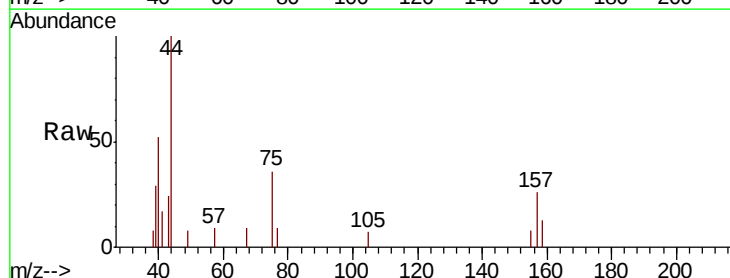
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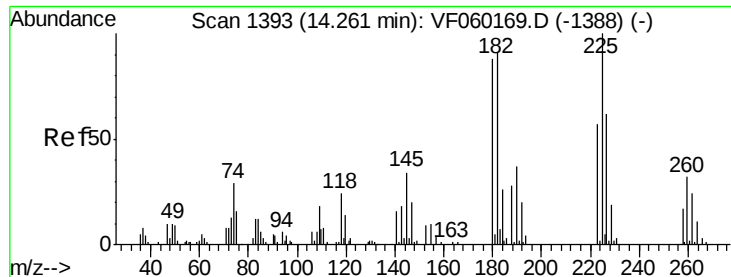
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.25 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	22.5	36.0	108.0#
157	73.2	54.9	164.5





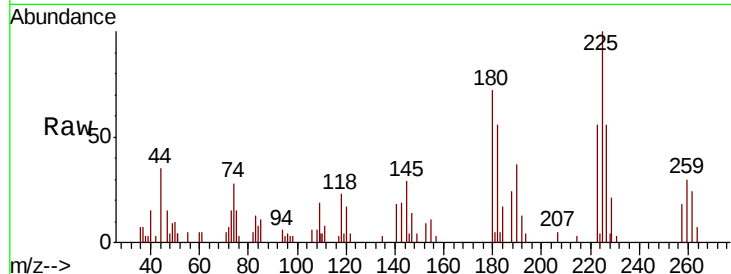
#93
 1,2,4-Trichlorobenzene
 Concen: 5.36 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.5	51.8	155.5
145	40.1	19.3	57.9

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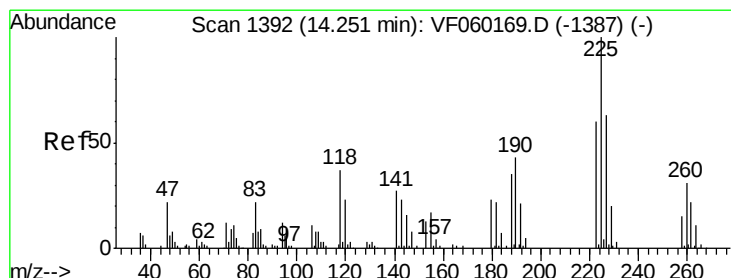
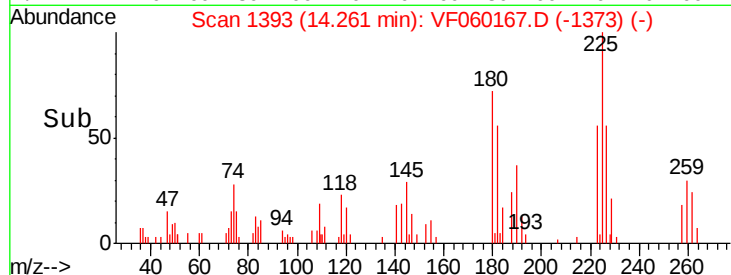
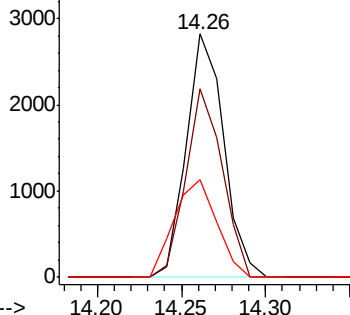


Abundance

Ion 180.00 (179.70 to 180.70): V

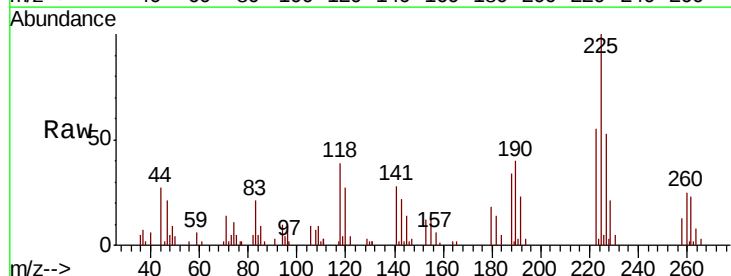
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 15.16 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF060167.D
 Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.3	30.0	90.0
227	52.8	31.4	94.2

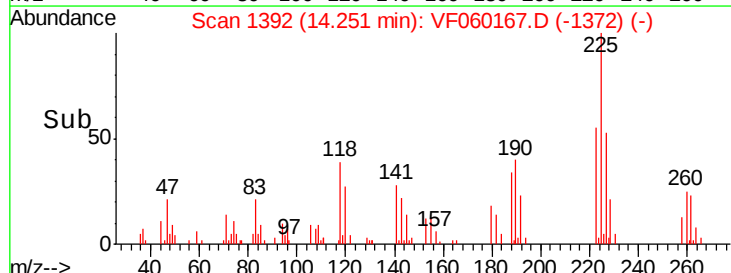
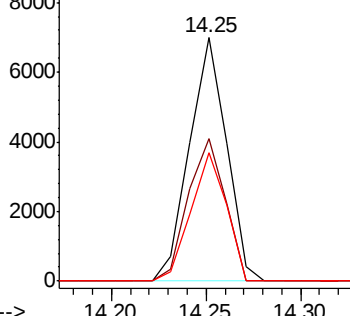


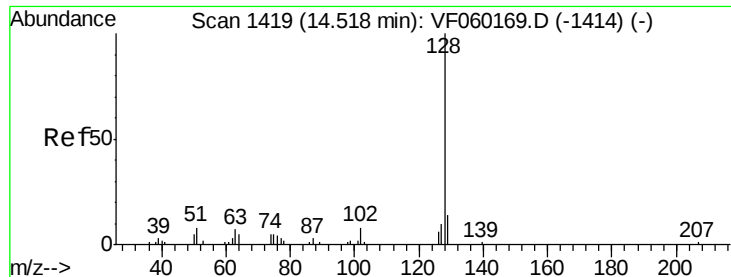
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





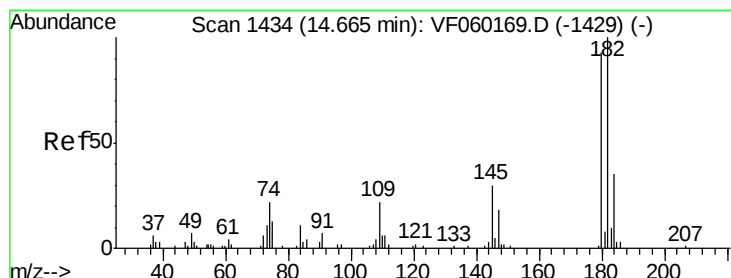
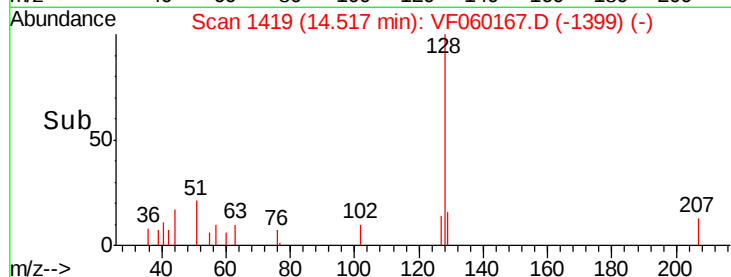
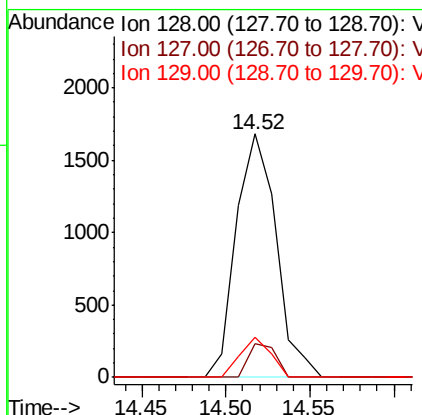
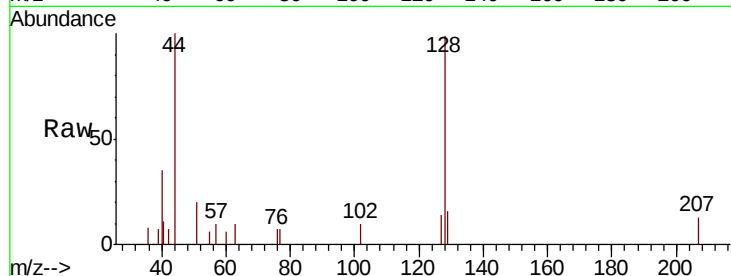
#95
Naphthalene
Concen: 2.41 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	8.3	12.5#
129	16.3	11.5	17.3

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#96
1,2,3-Trichlorobenzene
Concen: 4.26 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF060167.D
Acq: 29 Aug 2018 00:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	53.6	160.8
145	27.4	16.2	48.6

