

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060166.D
 Acq On : 29 Aug 2018 00:04
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 8/29/2018 2:01:21 PM

Quant Time: Aug 29 02:21:27 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	5.03	168	78187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	84763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	67775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	34716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	2426	2.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4.94%	
35) Dibromofluoromethane	4.28	113	2476	3.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	7.64%	
50) Toluene-d8	7.70	98	8335	4.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.76%	
62) 4-Bromofluorobenzene	11.50	95	3922	4.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	8568	7.50	ug/l	98
3) Chloromethane	1.07	50	3338	4.51	ug/l	97
4) Vinyl Chloride	1.12	62	2892	4.55	ug/l	99
5) Bromomethane	1.32	94	1528	3.36	ug/l	93
6) Chloroethane	1.40	64	1644	6.04	ug/l #	82
7) Trichlorofluoromethane	1.49	101	13679	9.01	ug/l	96
8) Diethyl Ether	1.68	74	459	2.21	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.85	101	5957	7.79	ug/l #	84
10) Methyl Iodide	1.92	142	2836	3.43	ug/l #	82
11) Tert butyl alcohol	2.59	59	61	1.25	ug/l #	64
12) 1,1-Dichloroethene	1.82	96	3704	6.87	ug/l #	71
13) Acrolein	2.09	56	195	7.92	ug/l #	1
14) Allyl chloride	2.18	41	2689	3.19	ug/l #	79
15) Acrylonitrile	3.04	53	531	5.38	ug/l #	83
16) Acetone	2.31	43	1906	7.82	ug/l #	67
17) Carbon Disulfide	1.84	76	11160	6.56	ug/l #	92
18) Methyl Acetate	2.42	43	1465	3.06	ug/l #	67
19) Methyl tert-butyl Ether	2.51	73	2557	1.81	ug/l	100
20) Methylene Chloride	2.28	84	3061	4.93	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	2838	4.90	ug/l #	75
22) Diisopropyl ether	2.89	45	4624	2.55	ug/l #	86
23) Vinyl Acetate	3.30	43	3688	4.09	ug/l #	82
24) 1,1-Dichloroethane	2.98	63	4954	4.14	ug/l #	90
25) 2-Butanone	4.48	43	1139	3.62	ug/l #	44
26) 2,2-Dichloropropane	3.74	77	2770	2.33	ug/l #	66
27) cis-1,2-Dichloroethene	3.61	96	1925	2.63	ug/l	88
28) Bromochloromethane	3.87	49	1283	2.74	ug/l #	50
29) Tetrahydrofuran	4.24	42	256	2.13	ug/l #	78
30) Chloroform	4.02	83	5164	3.18	ug/l	97
31) Cyclohexane	3.85	56	4409	4.57	ug/l #	89
32) 1,1,1-Trichloroethane	4.26	97	7371	4.87	ug/l #	84
36) 1,1-Dichloropropene	4.45	75	5780	6.75	ug/l	97
38) Carbon Tetrachloride	4.16	117	7187m	6.83	ug/l	
39) Methylcyclohexane	5.61	83	4898	5.86	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.80	78	8123	4.72	ug/l	94
41) Methacrylonitrile	4.88	41	322	1.49	ug/l #	43
42) 1,2-Dichloroethane	5.09	62	3216m	3.69	ug/l	
43) Isopropyl Acetate	7.10	43	895	1.71	ug/l #	48
44) Trichloroethene	5.67	130	3444	5.76	ug/l	82
45) 1,2-Dichloropropane	6.39	63	1571	3.38	ug/l #	1
46) Dibromomethane	6.23	93	635	1.81	ug/l #	67
47) Bromodichloromethane	6.53	83	3003	3.40	ug/l #	91
48) Methyl methacrylate	6.84	41	1039	2.96	ug/l #	42
49) 1,4-Dioxane	6.84	88	70	21.10	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	3397	7.43	ug/l #	62
52) Toluene	7.77	92	5942	4.65	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	1499	1.94	ug/l #	75
54) cis-1,3-Dichloropropene	7.43	75	1904	2.22	ug/l #	90
55) 1,1,2-Trichloroethane	8.63	97	1096	2.60	ug/l	92
56) Ethyl methacrylate	8.74	69	740	1.48	ug/l #	76
57) 1,3-Dichloropropane	8.99	76	1483	2.00	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	1164	24.86	ug/l	100
59) 2-Hexanone	9.62	43	2276	6.19	ug/l	85
60) Dibromochloromethane	8.86	129	1281	2.02	ug/l	88
61) 1,2-Dibromoethane	9.13	107	867	1.76	ug/l #	47
64) Tetrachloroethene	8.30	164	4172	7.97	ug/l	86
65) Chlorobenzene	9.93	112	6901	5.33	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	1749	3.60	ug/l #	57
67) Ethyl Benzene	10.03	91	15048	6.25	ug/l #	75
68) m/p-Xylenes	10.26	106	8772	9.75	ug/l #	69
69) o-Xylene	10.82	106	4052	4.62	ug/l	99
70) Stvrene	10.89	104	5050	3.86	ug/l #	87
71) Bromoform	10.88	173	565	1.81	ug/l	95
73) Isopropylbenzene	11.23	105	16982	7.03	ug/l	96
74) N-amyl acetate	11.45	43	1307	2.27	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.78	83	1328	3.18	ug/l #	97
76) 1,2,3-Trichloropropane	11.88	75	995	3.00	ug/l #	68
77) Bromobenzene	11.59	156	2387	4.22	ug/l	75
78) n-propylbenzene	11.68	91	21554	7.30	ug/l	98
79) 2-Chlorotoluene	11.81	91	9798	6.00	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	12587	6.24	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	231m	1.62	ug/l	
82) 4-Chlorotoluene	11.98	91	9274	5.36	ug/l	79
83) tert-Butylbenzene	12.21	119	12806	6.45	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	10434	5.08	ug/l	93
85) sec-Butylbenzene	12.38	105	20784	7.28	ug/l	99
86) p-Isopropyltoluene	12.54	119	14611	6.32	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	6422	5.98	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	4951	4.71	ug/l	83
89) n-Butylbenzene	12.91	91	10793	4.98	ug/l	96
90) Hexachloroethane	12.99	117	3204	6.27	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	4530	4.56	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.71	75	205	2.43	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.26	180	1419	2.08	ug/l #	89

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VSTDICC005

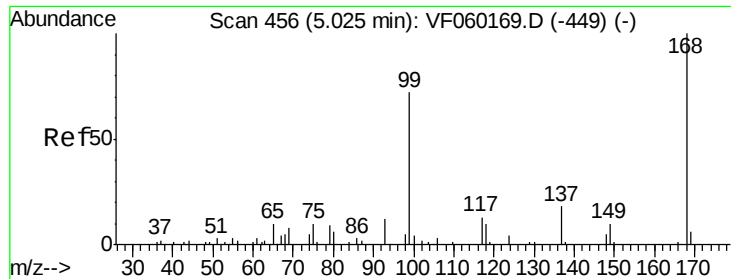
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Quant Title : SW846 8260
QLast Update : Wed Aug 29 02:08:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	3730	7.11	ug/l	94
96) 1,2,3-Trichlorobenzene	14.67	180	1239	1.94	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 78187

Ion Ratio Lower Upper

168 100

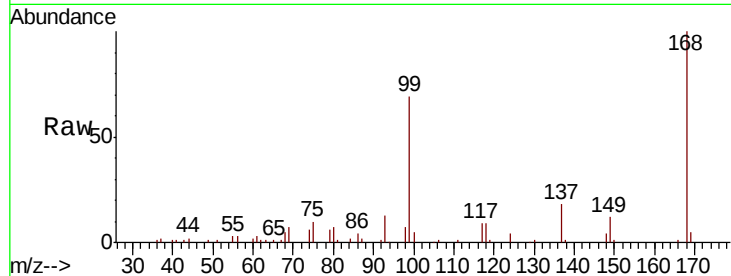
99 69.2 57.9 86.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

25000

20000

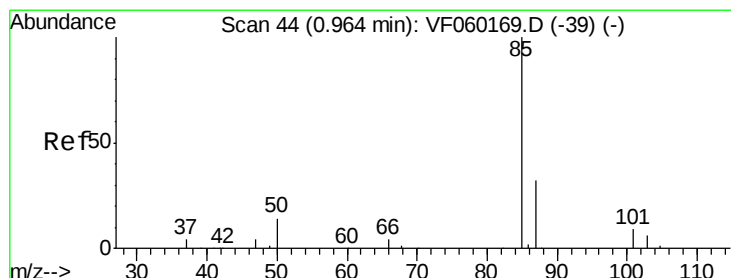
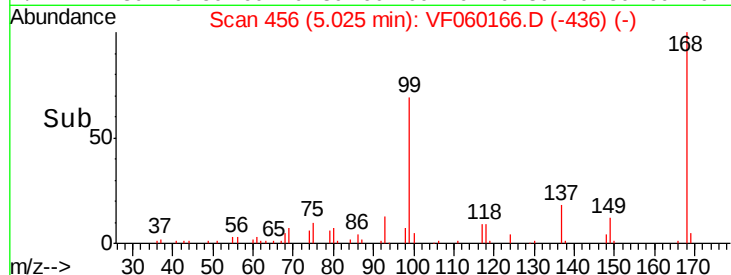
15000

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.50 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060166.D

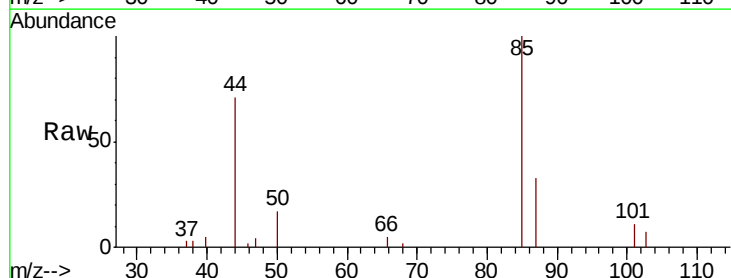
Acq: 29 Aug 2018 00:04

Tgt Ion: 85 Resp: 8568

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

5000

4000

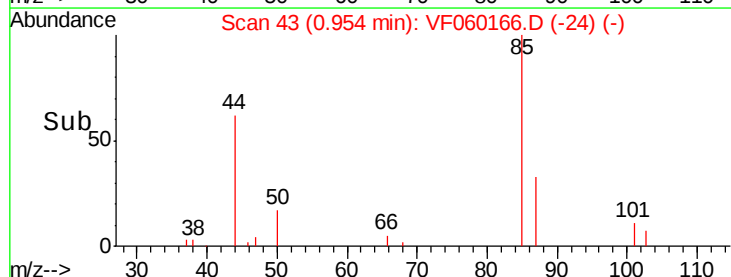
3000

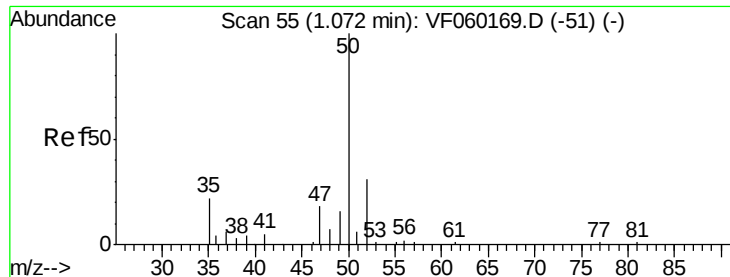
2000

1000

0

Time-->





#3

Chloromethane

Concen: 4.51 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 3338

Ion Ratio Lower Upper

50 100

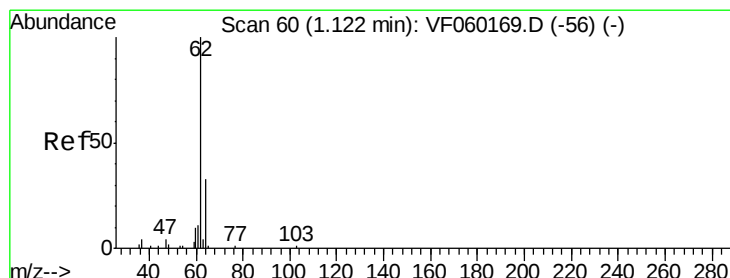
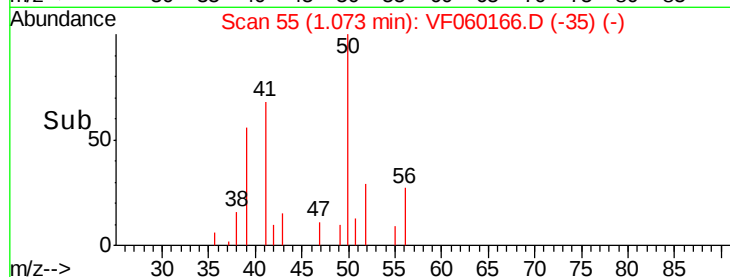
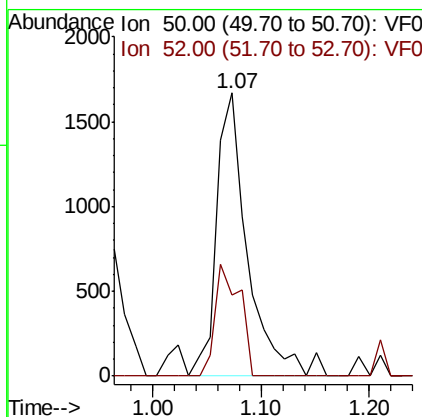
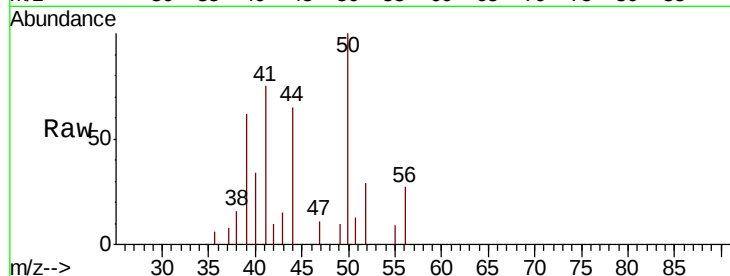
52 28.7 24.4 36.6

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#4

Vinyl Chloride

Concen: 4.55 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060166.D

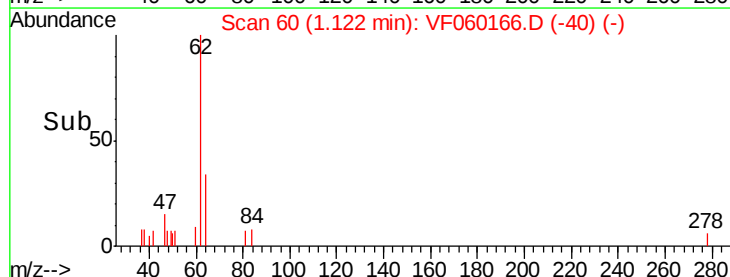
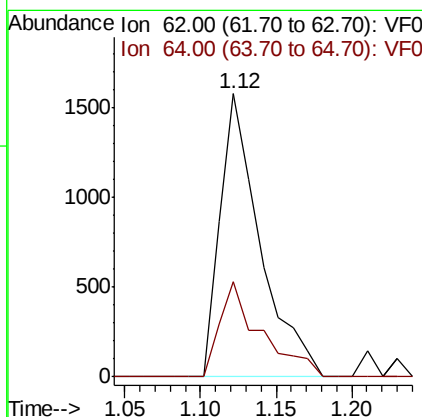
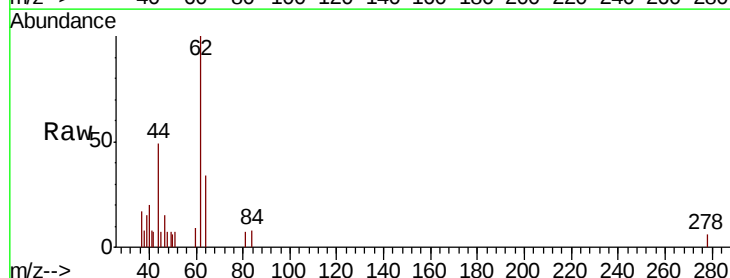
Acq: 29 Aug 2018 00:04

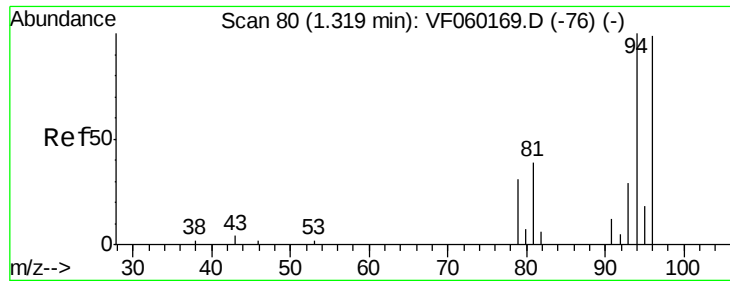
Tgt Ion: 62 Resp: 2892

Ion Ratio Lower Upper

62 100

64 33.7 26.6 39.8





#5

Bromomethane

Concen: 3.36 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 1528

Ion Ratio Lower Upper

94 100

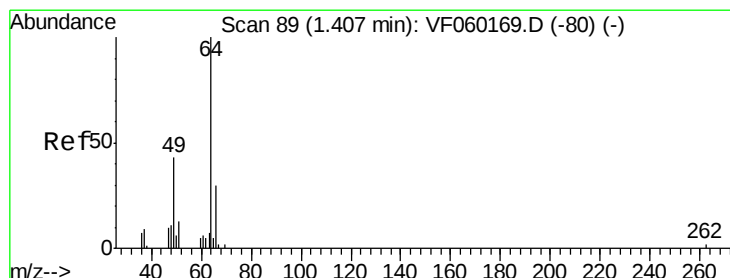
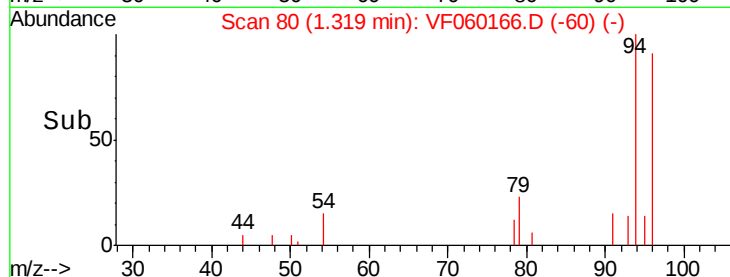
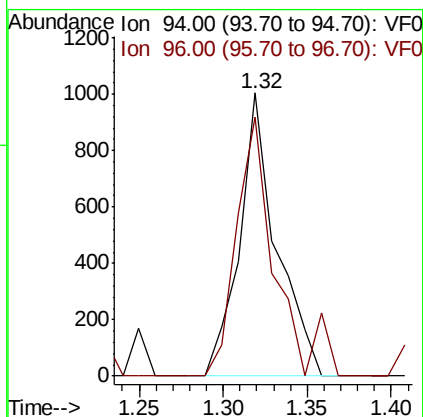
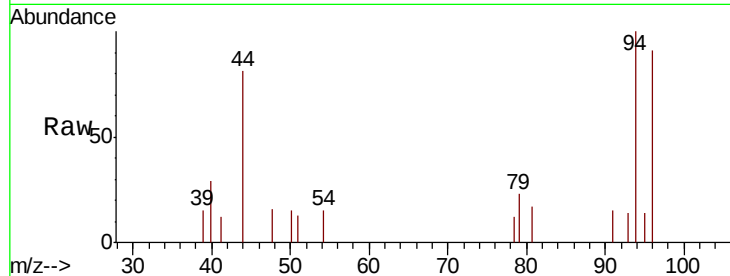
96 91.4 79.0 118.4

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#6

Chloroethane

Concen: 6.04 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060166.D

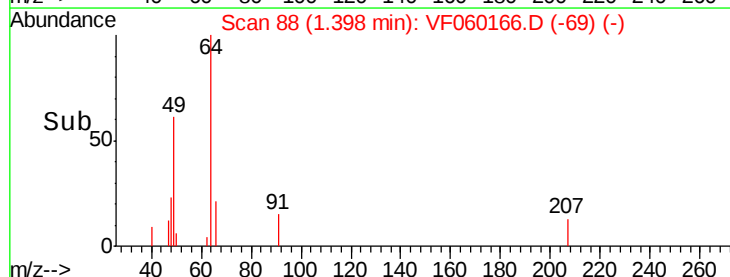
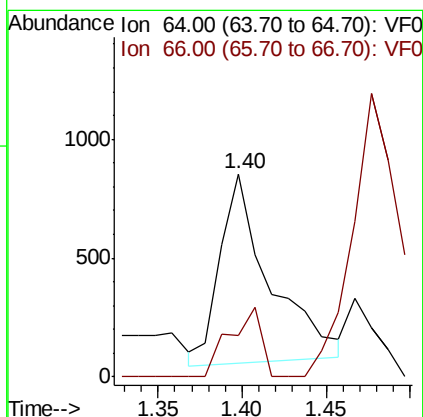
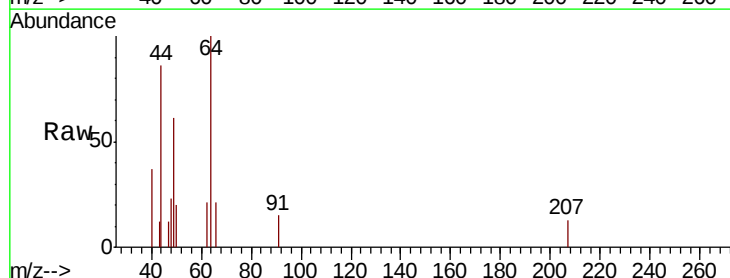
Acq: 29 Aug 2018 00:04

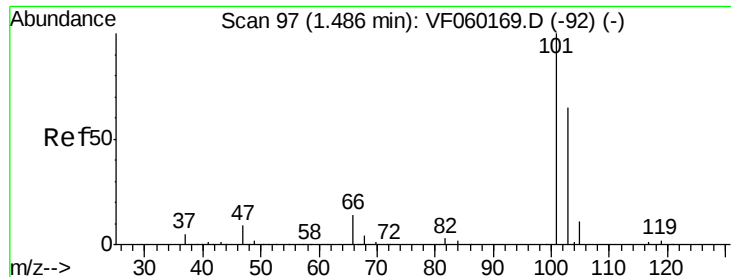
Tgt Ion: 64 Resp: 1644

Ion Ratio Lower Upper

64 100

66 20.6 24.2 36.4#





#7

Trichlorofluoromethane

Concen: 9.01 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 13679

Ion Ratio Lower Upper

101 100

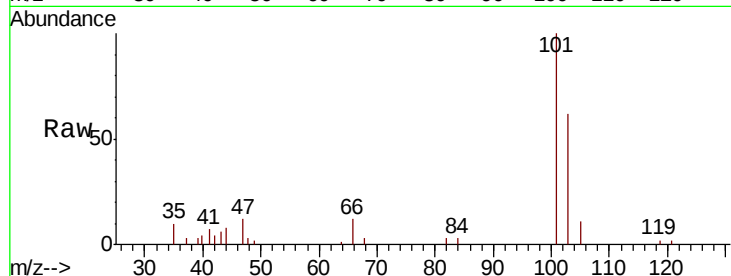
103 61.8 51.8 77.6

Manual Integrations

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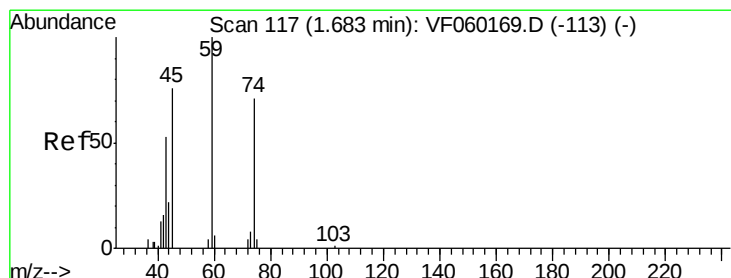
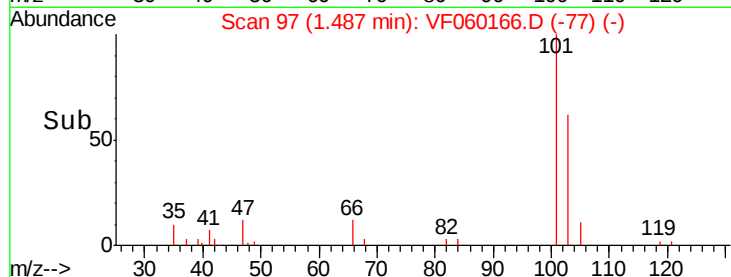
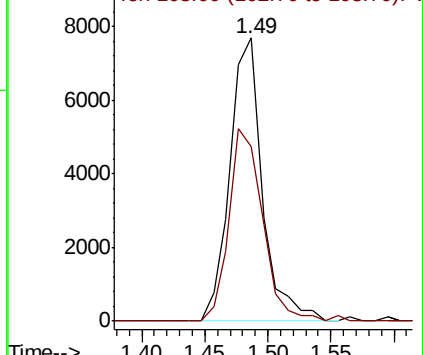
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 2.21 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060166.D

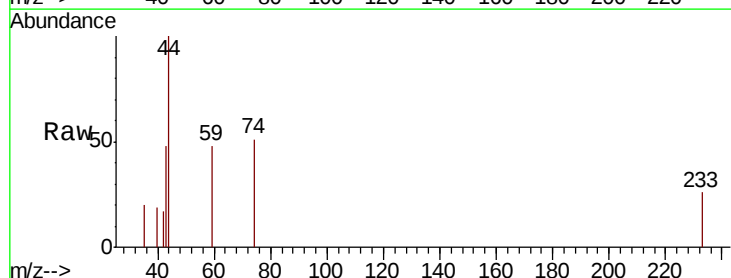
Acq: 29 Aug 2018 00:04

Tgt Ion: 74 Resp: 459

Ion Ratio Lower Upper

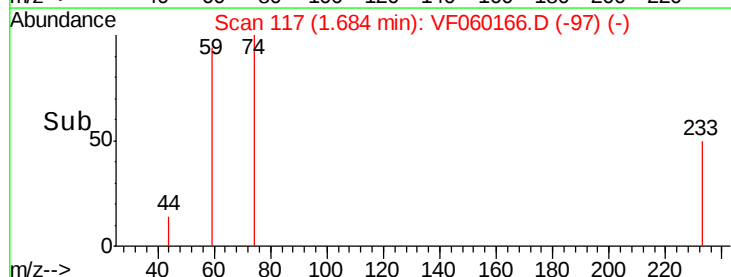
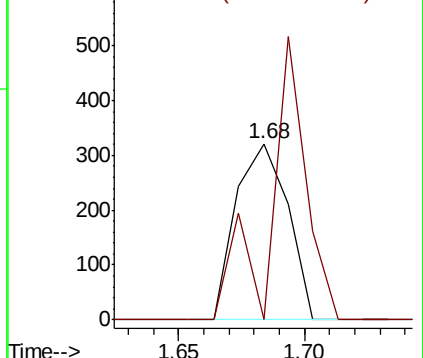
74 100

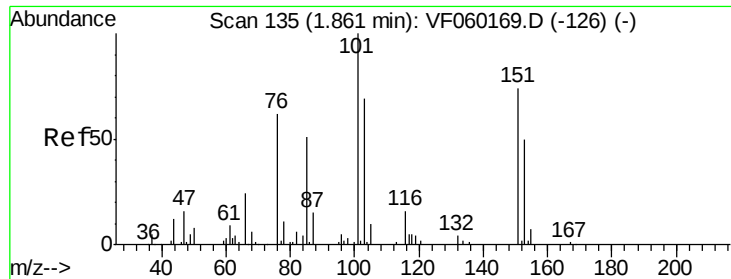
45 0.0 53.5 160.7#



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: 7.79 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

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MSVOA_F

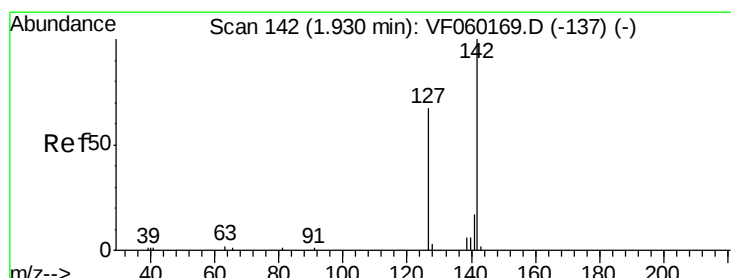
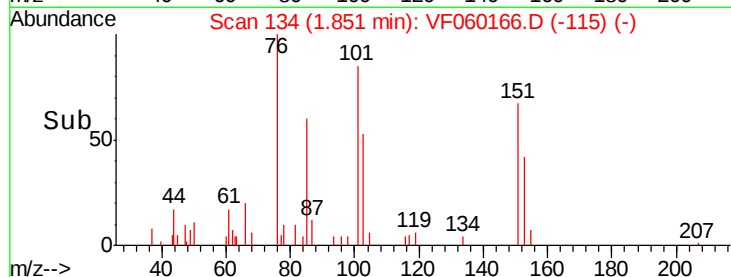
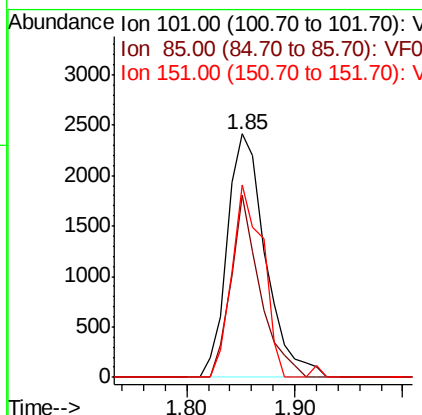
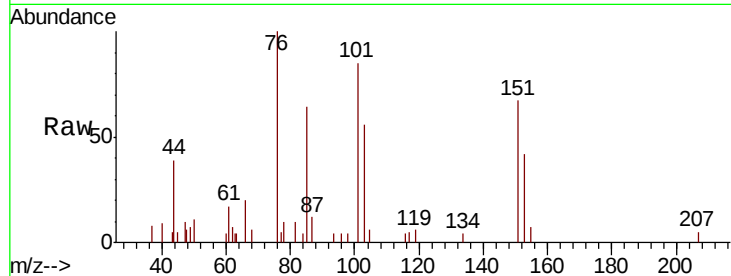
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5957
Ion Ratio	Lower	Upper	
101	100		
85	74.8	42.2	63.2#
151	78.9	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 3.43 ug/l

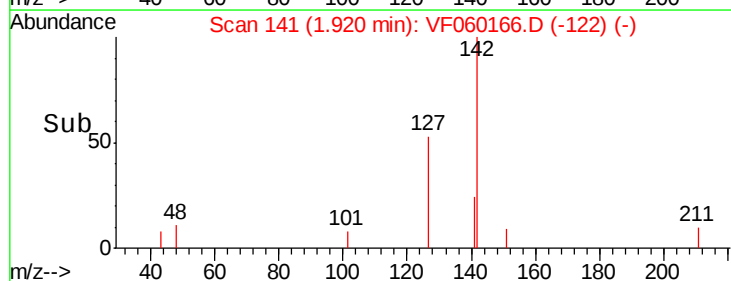
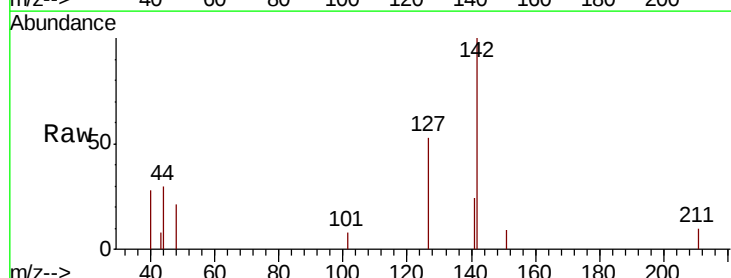
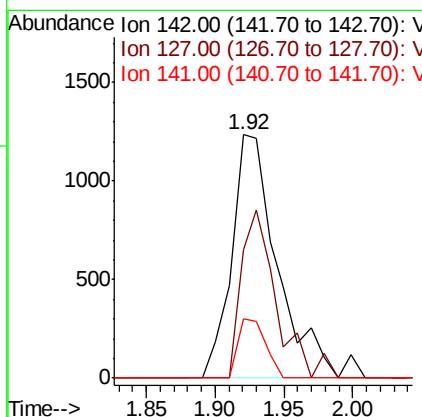
RT: 1.92 min Scan# 141

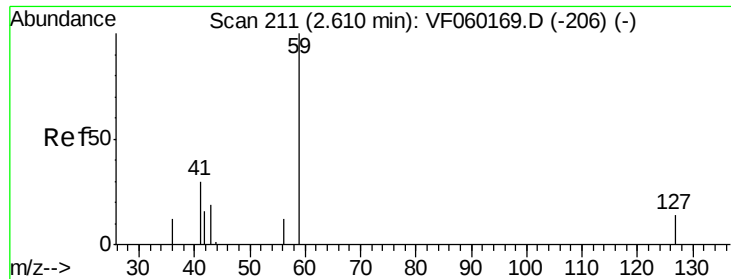
Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	142	Resp:	2836
Ion Ratio	Lower	Upper	
142	100		
127	52.9	53.9	80.9#
141	24.3	13.4	20.2#





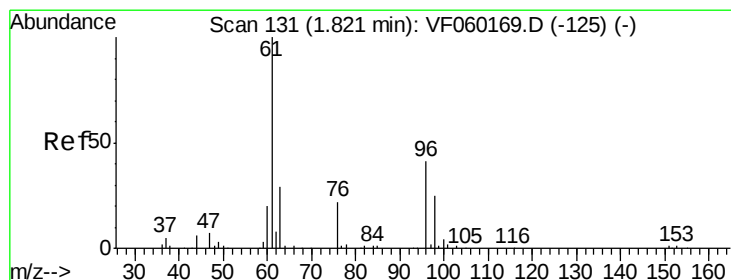
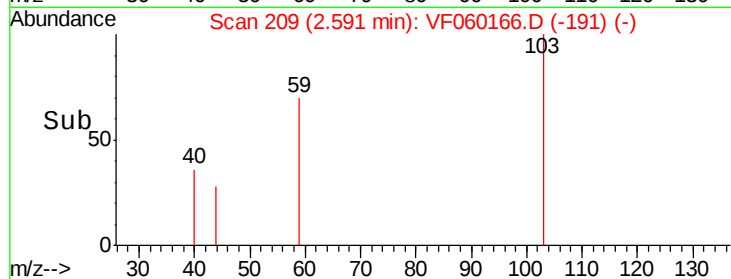
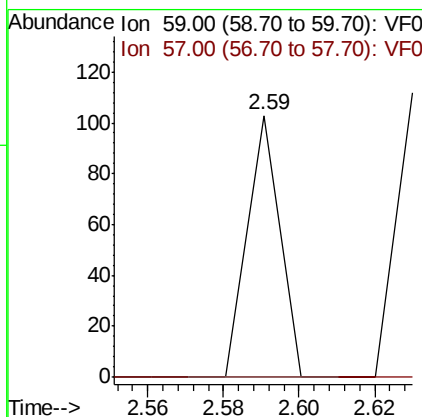
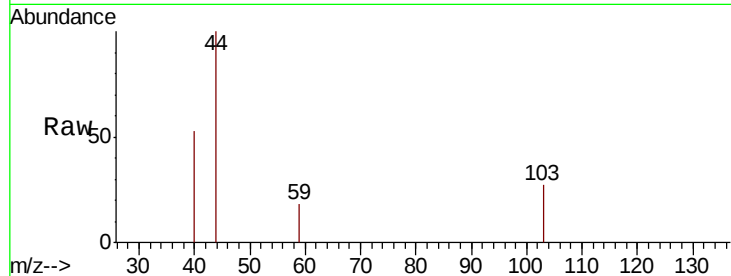
#11
Tert butyl alcohol
Concen: 1.25 ug/l
RT: 2.59 min Scan# 209
Delta R.T. -0.02 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

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

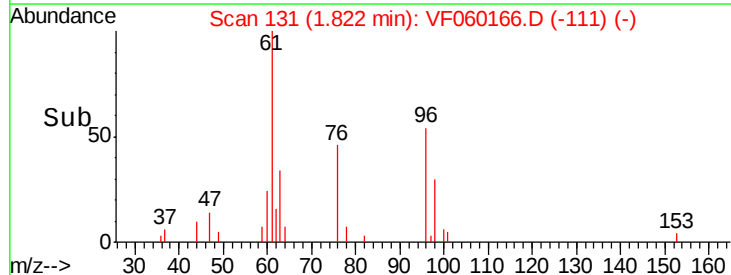
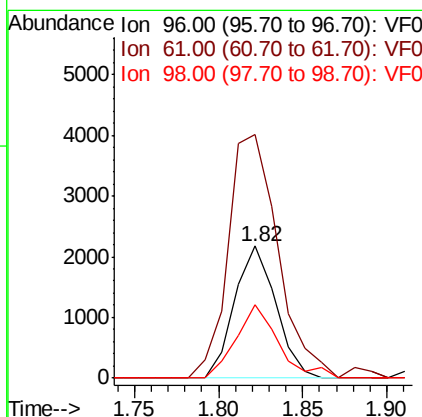
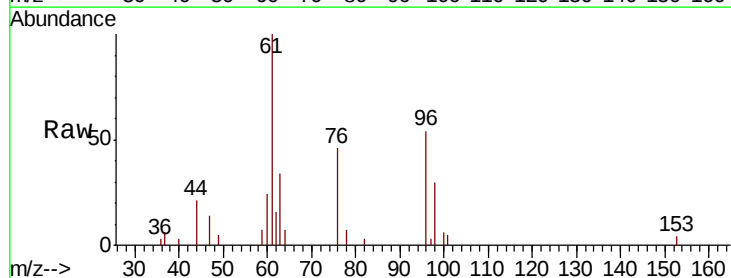
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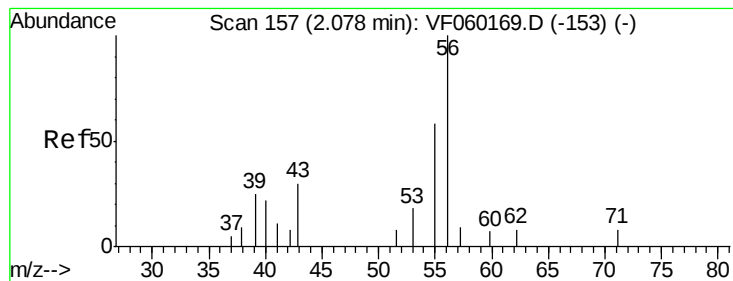
apatel
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#12
1,1-Dichloroethene
Concen: 6.87 ug/l
RT: 1.82 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.9	195.2	292.8#
98	55.6	49.0	73.6





#13

Acrolein

Concen: 7.92 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

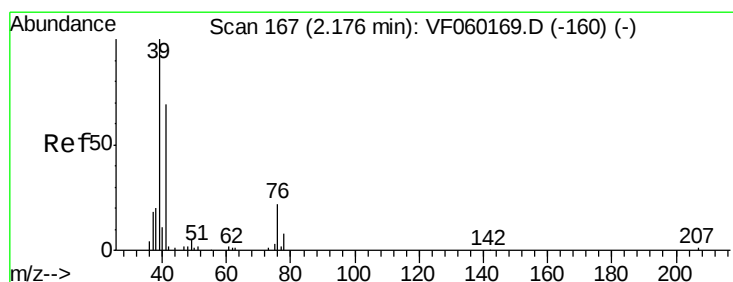
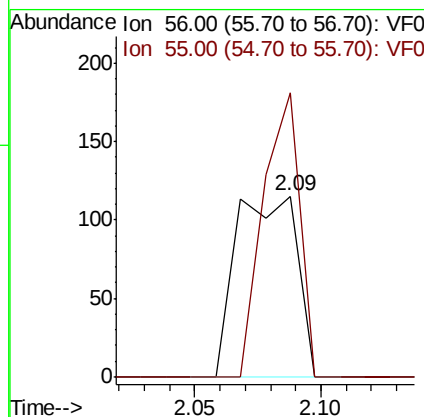
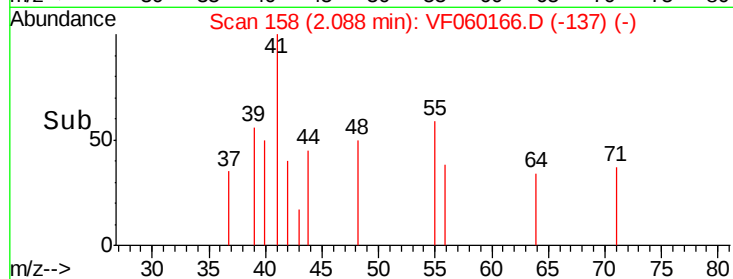
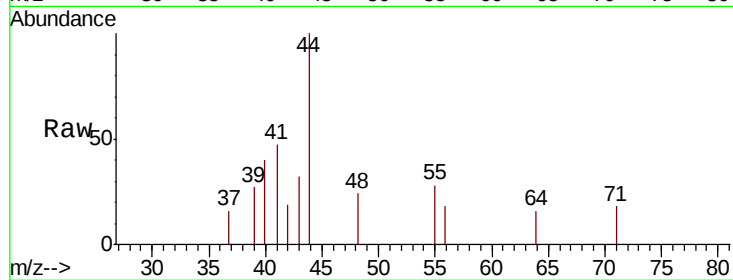
55 157.4 46.4 69.6#

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#14

Allyl chloride

Concen: 3.19 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

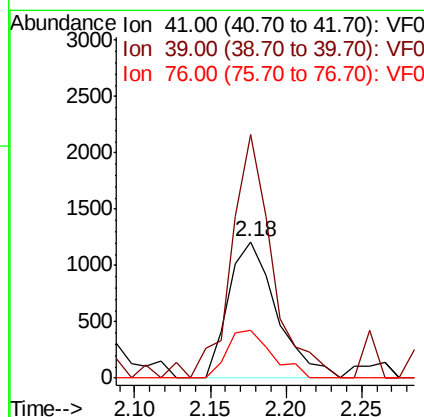
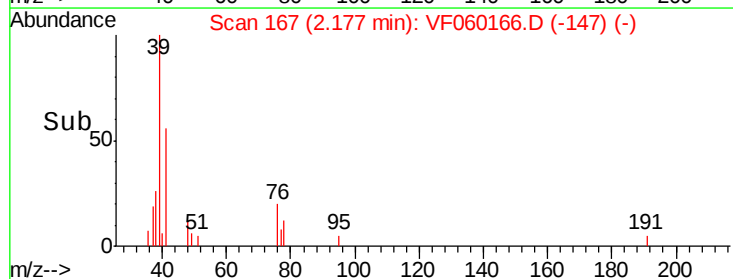
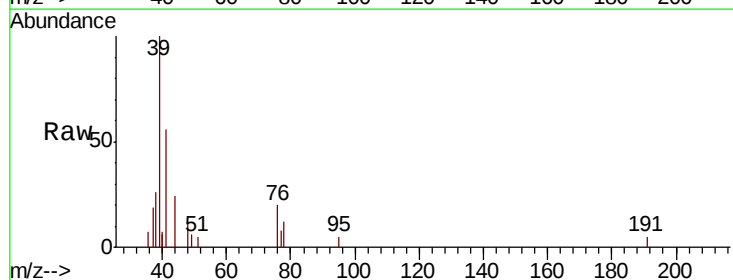
Tgt Ion: 41 Resp: 2689

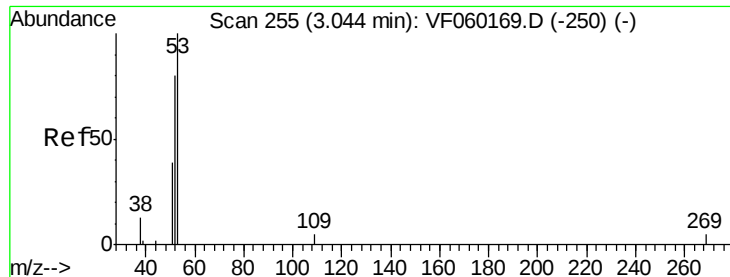
Ion Ratio Lower Upper

41 100

39 178.1 117.8 176.6#

76 35.2 25.9 38.9





#15

Acrylonitrile

Concen: 5.38 ug/l

RT: 3.04 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

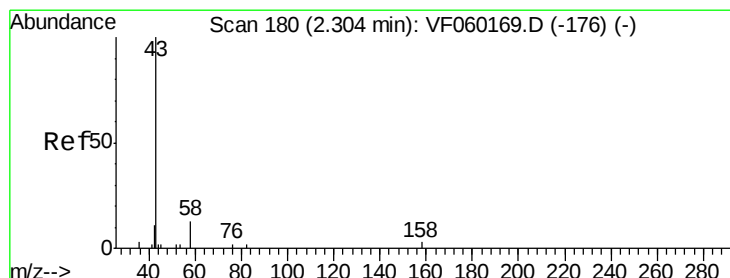
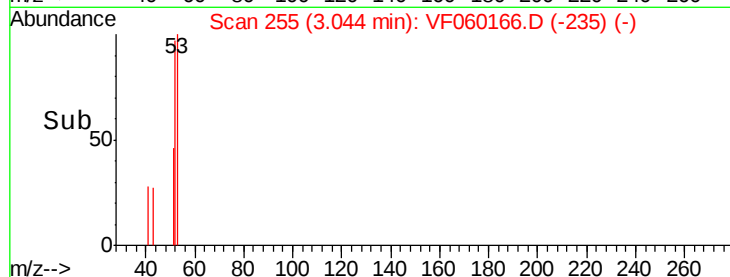
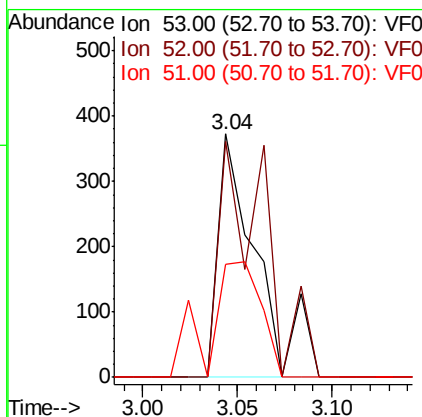
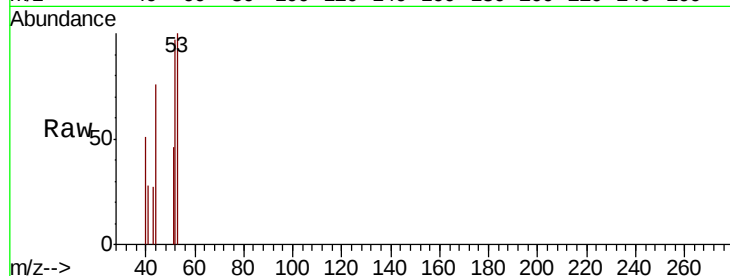
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	531
Ion Ratio	Lower	Upper	
53	100		
52	96.8	64.4	96.6#
51	46.4	31.0	46.4

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#16

Acetone

Concen: 7.82 ug/l

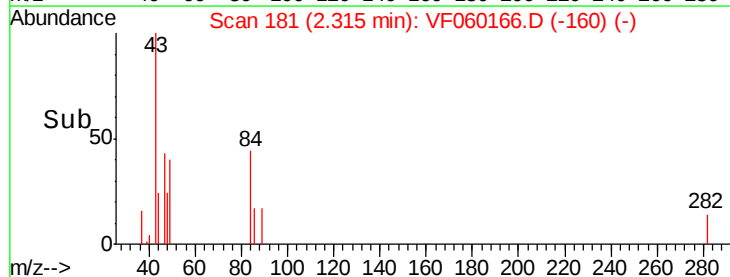
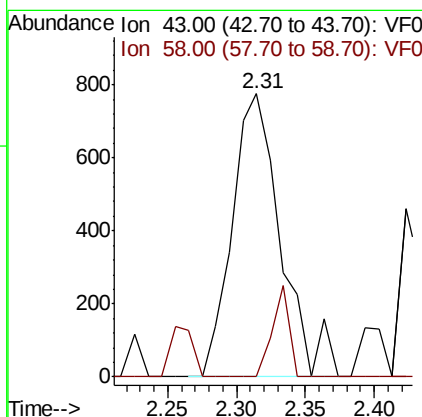
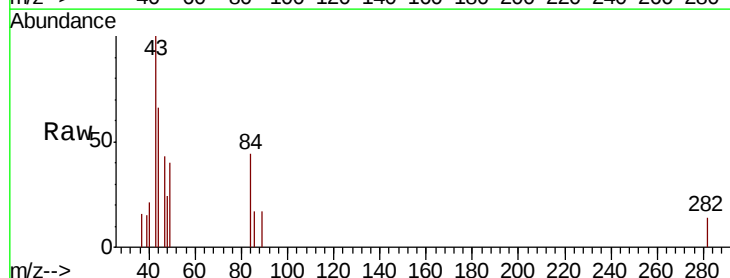
RT: 2.31 min Scan# 181

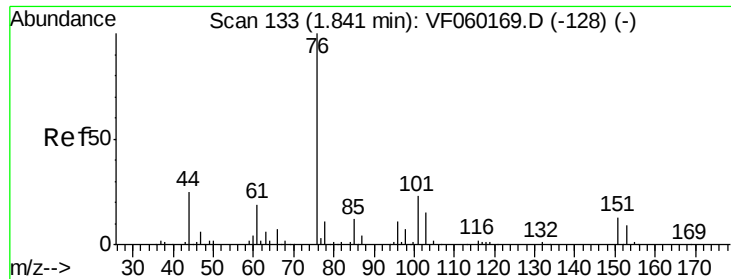
Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	43	Resp:	1906
Ion Ratio	Lower	Upper	
43	100		
58	0.0	10.7	16.1#





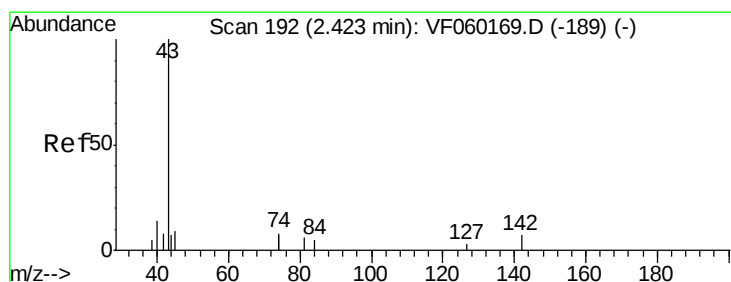
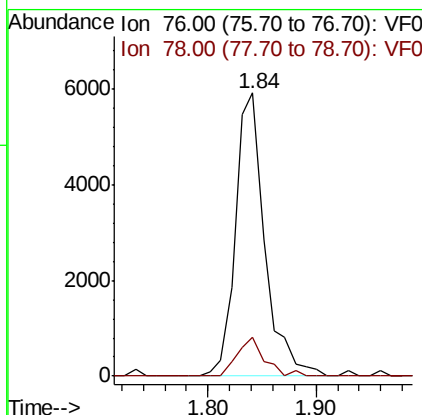
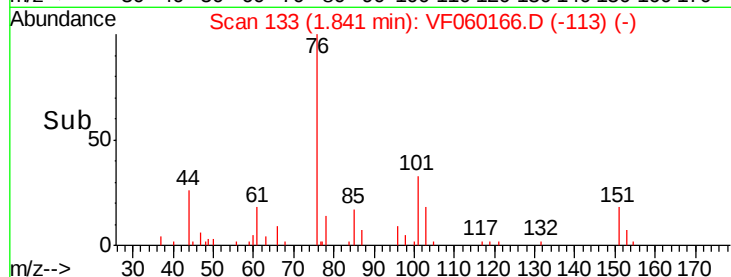
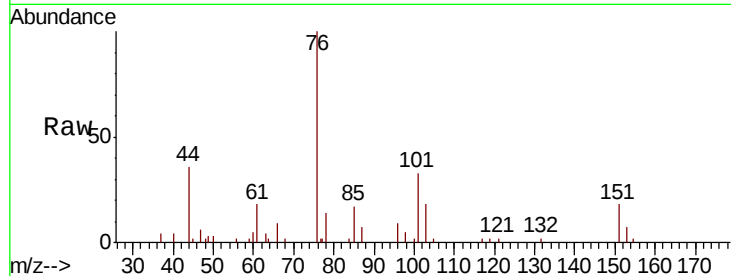
#17
Carbon Disulfide
Concen: 6.56 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 11160
Ion Ratio Lower Upper
76 100
78 13.9 8.6 12.8#

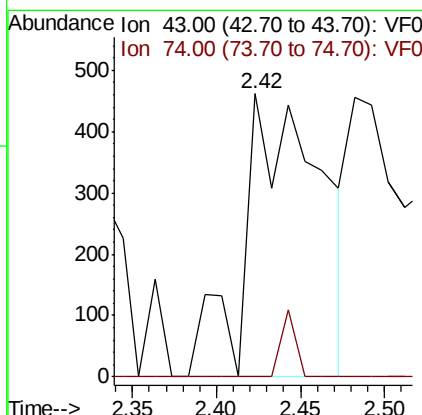
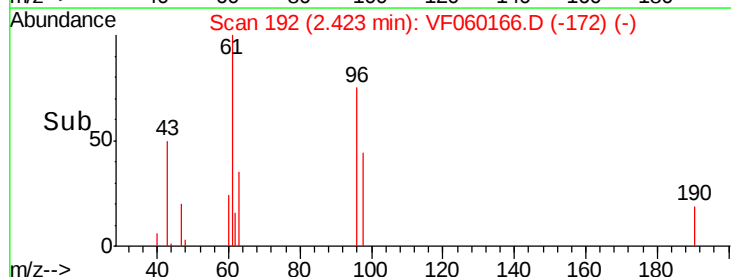
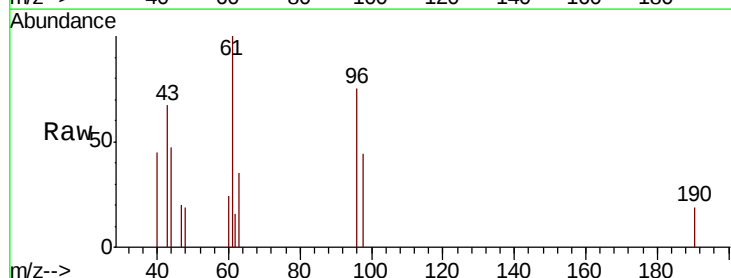
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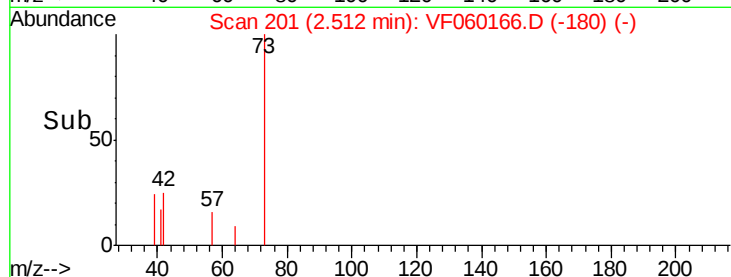
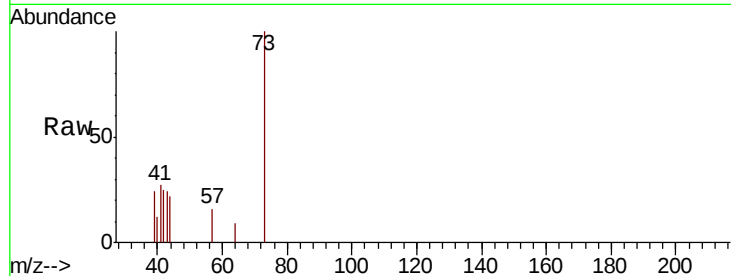
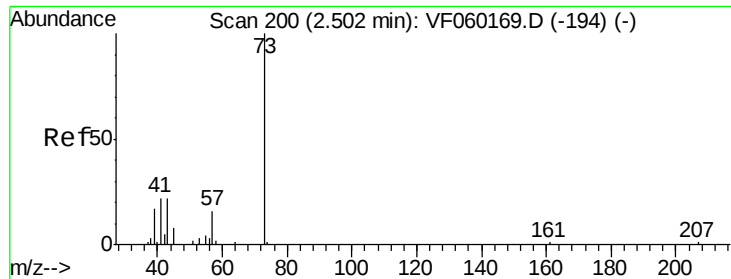
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#18
Methyl Acetate
Concen: 3.06 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
74 0.0 10.6 16.0#





#19

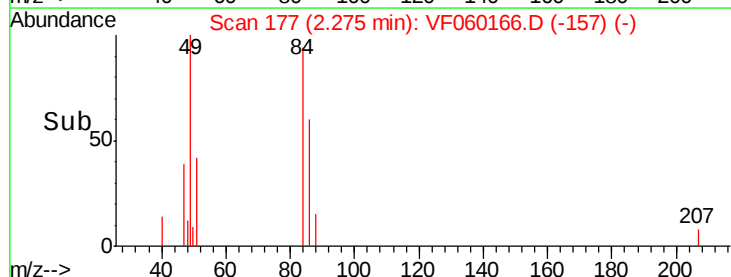
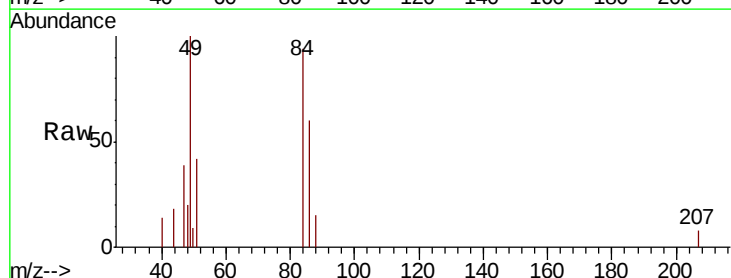
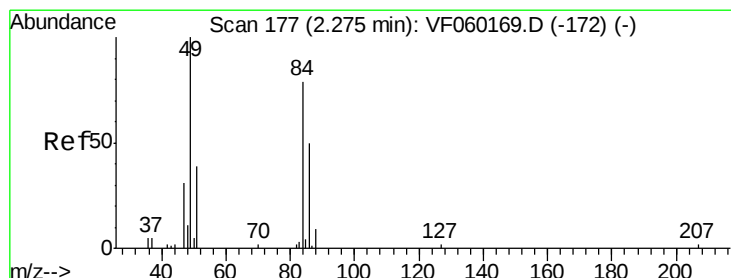
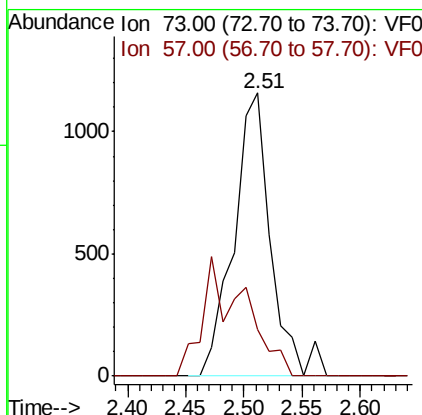
Methyl tert-butyl Ether
Concen: 1.81 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tot Ion	73	Resp	2557
Ion Ratio	100	Lower	Upper
73	100		
57	16.2	13.0	19.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

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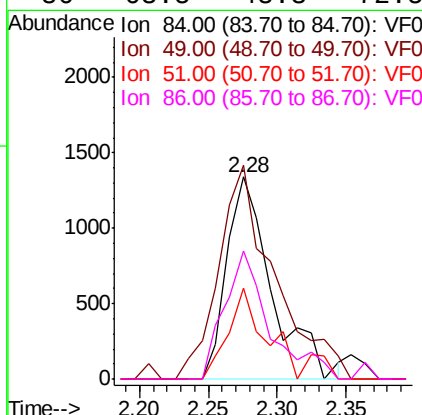
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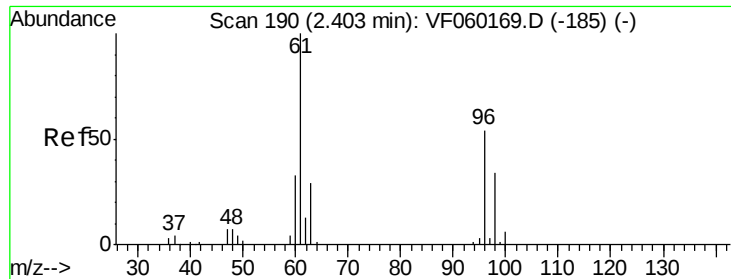


#20

Methylene Chloride
Concen: 4.93 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	84	Resp	3061
Ion Ratio	100	Lower	Upper
84	100		
49	105.8	97.0	145.4
51	44.8	38.2	57.2
86	63.5	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 4.90 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

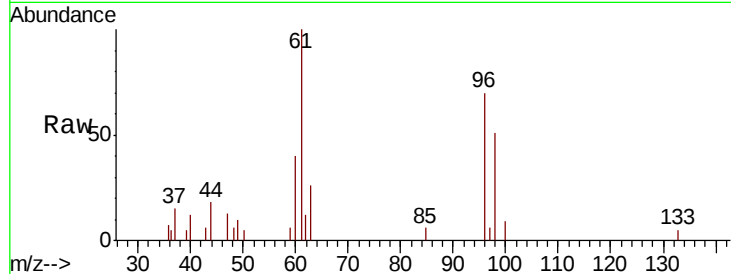
ClientSampleId :

VSTDIC005

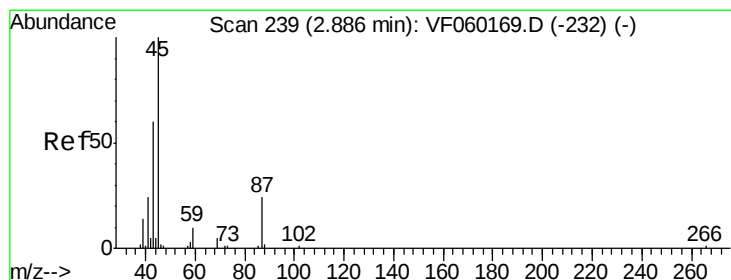
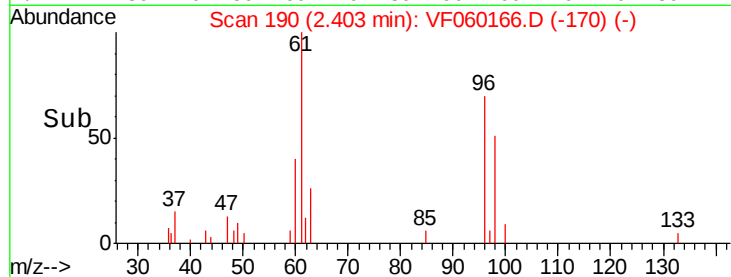
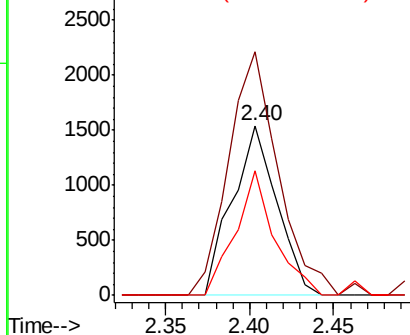
Tot Ion:	96	Resp:	2838
Ion	Ratio	Lower	Upper
96	100		
61	143.6	148.6	222.8#
98	73.6	50.4	75.6

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Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 2.55 ug/l

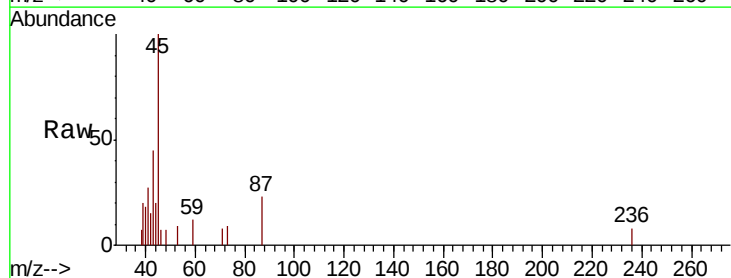
RT: 2.89 min Scan# 239

Delta R.T. 0.00 min

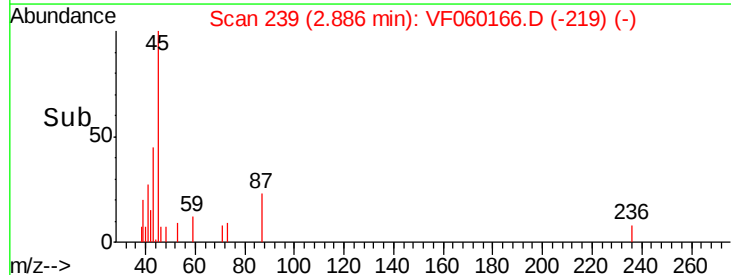
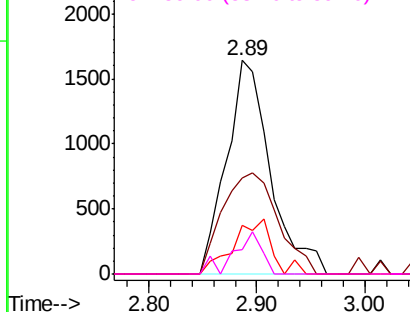
Lab File: VF060166.D

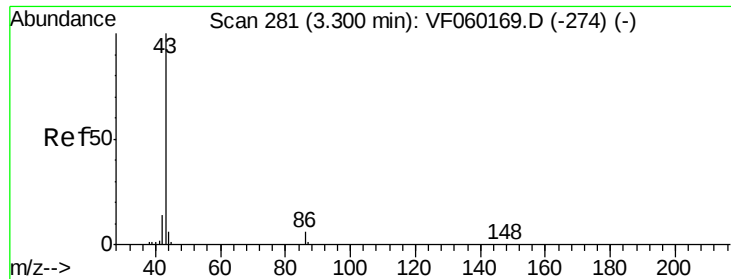
Acq: 29 Aug 2018 00:04

Tgt Ion:	45	Resp:	4624
Ion	Ratio	Lower	Upper
45	100		
43	45.1	48.0	72.0#
87	22.7	18.9	28.3
59	11.5	7.6	11.4#



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 4.09 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 3688

Ion Ratio Lower Upper

43 100

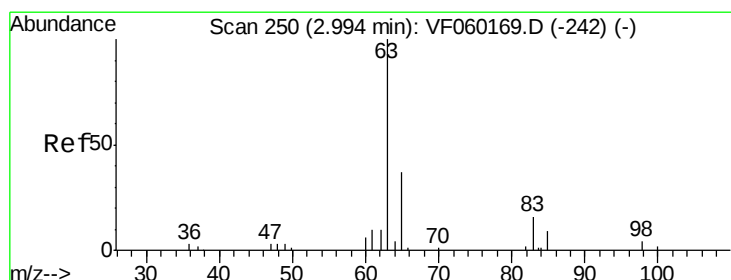
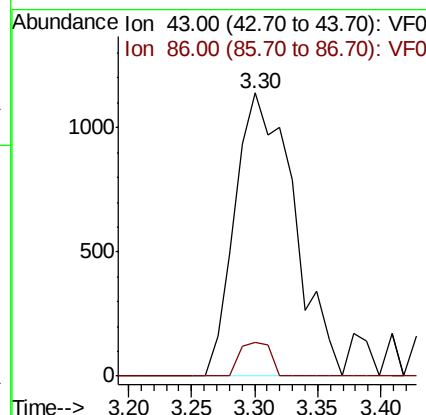
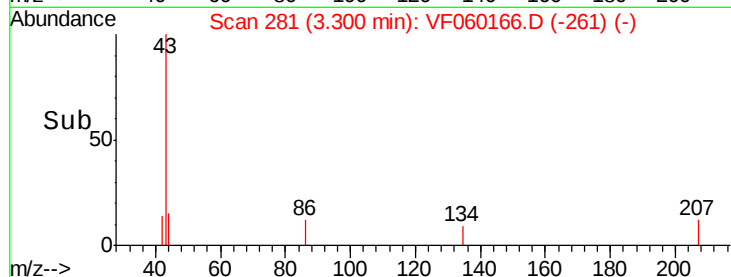
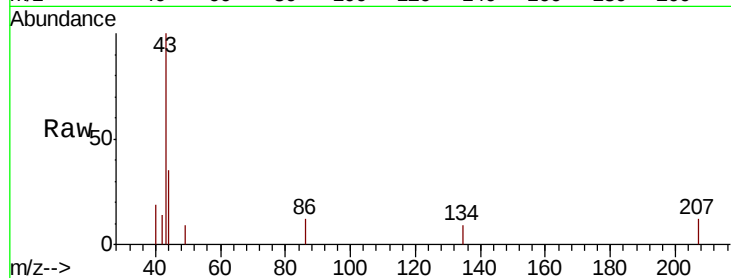
86 12.1 4.9 7.3#

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#24

1,1-Dichloroethane

Concen: 4.14 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

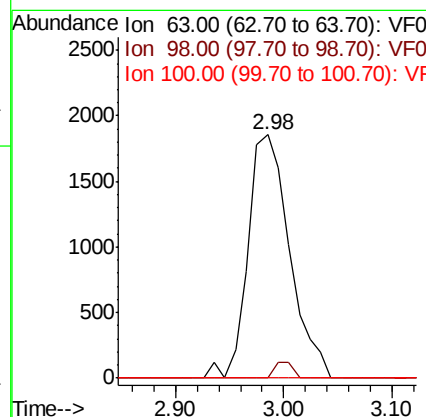
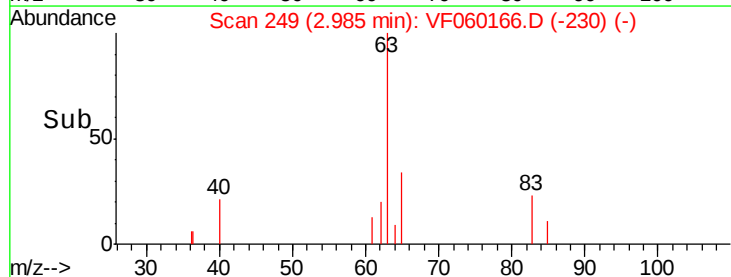
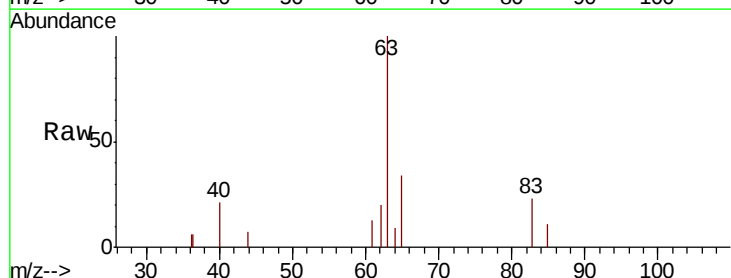
Tgt Ion: 63 Resp: 4954

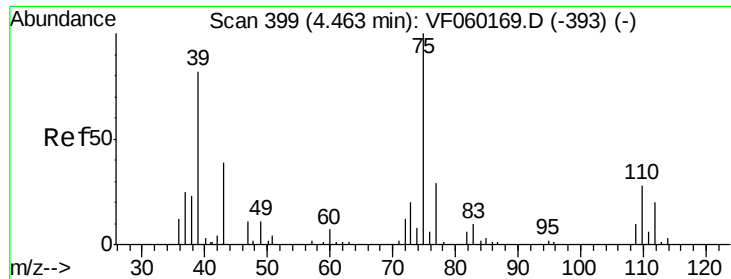
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.3#

100 0.0 0.9 2.7#





#25

2-Butanone

Concen: 3.62 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.02 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

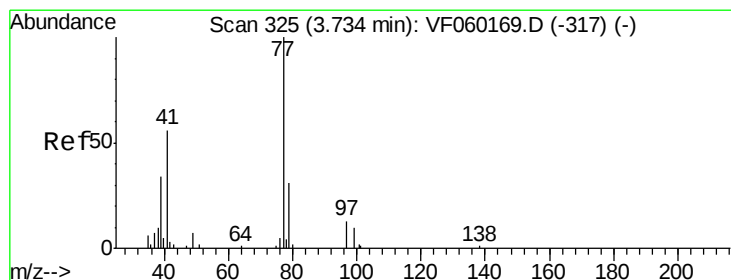
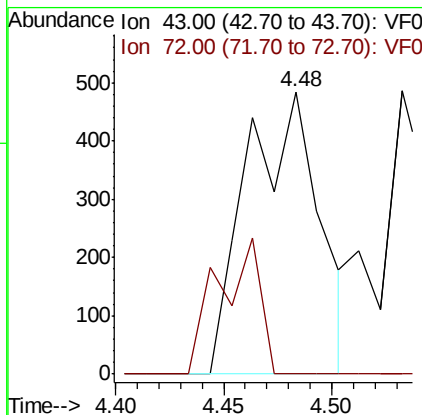
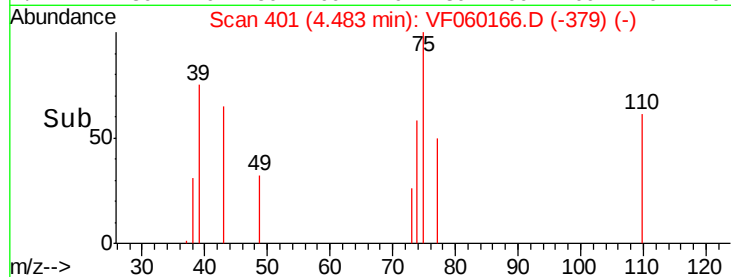
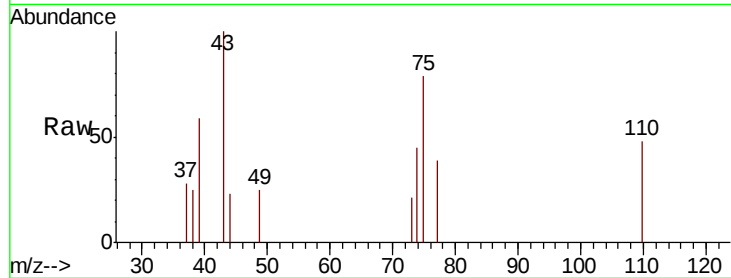
72 0.0 24.2 36.2#

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#26

2,2-Dichloropropane

Concen: 2.33 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VF060166.D

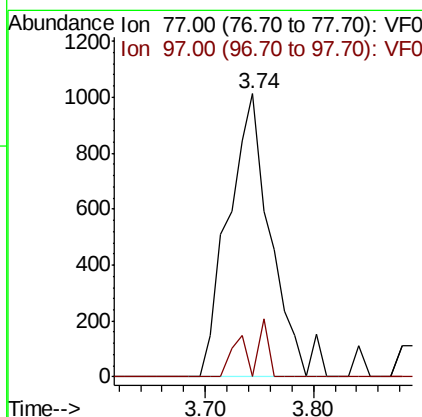
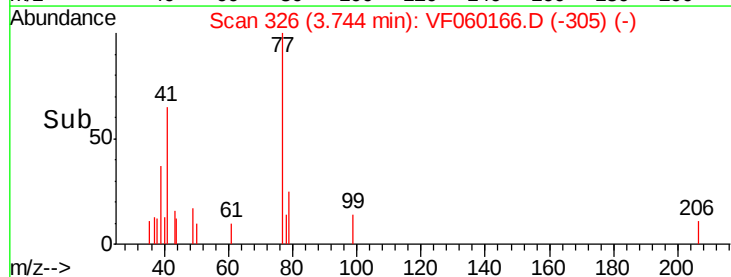
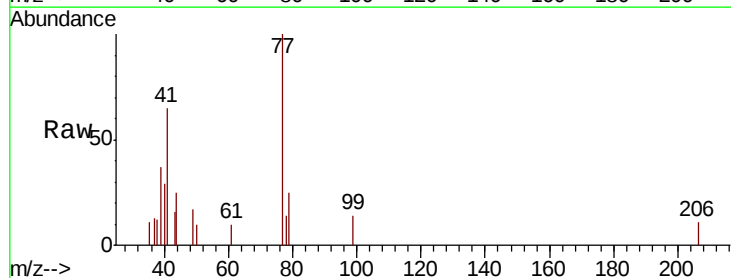
Acq: 29 Aug 2018 00:04

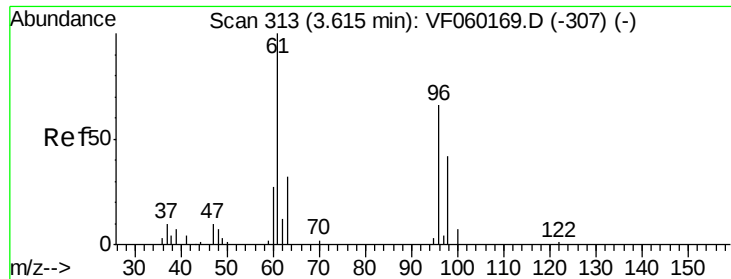
Tgt Ion: 77 Resp: 2770

Ion Ratio Lower Upper

77 100

97 0.0 7.0 21.0#





#27

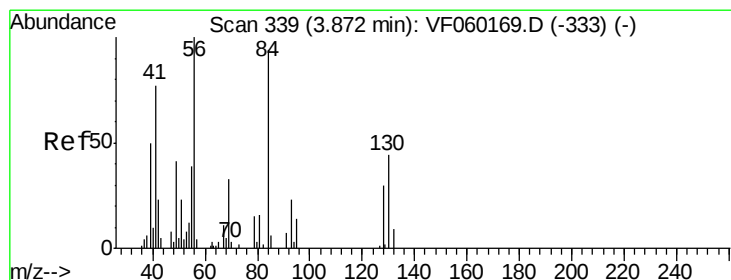
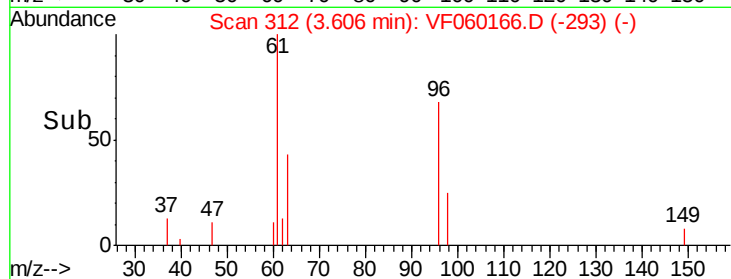
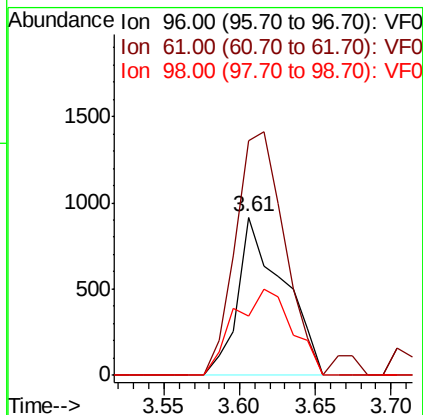
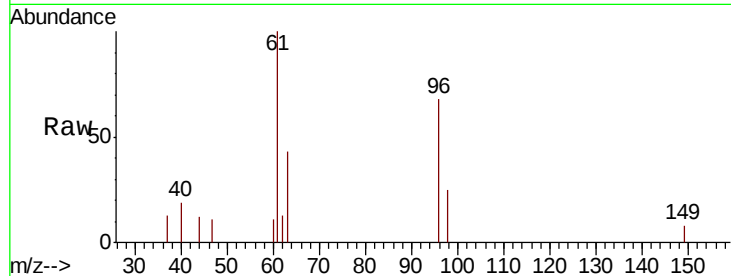
cis-1,2-Dichloroethene
Concen: 2.63 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.0
98	37.7	0.0	126.8

Manual Integrations
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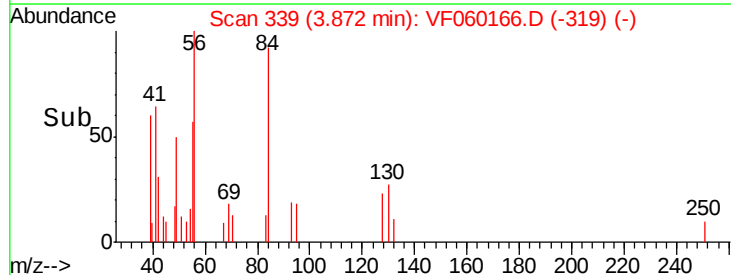
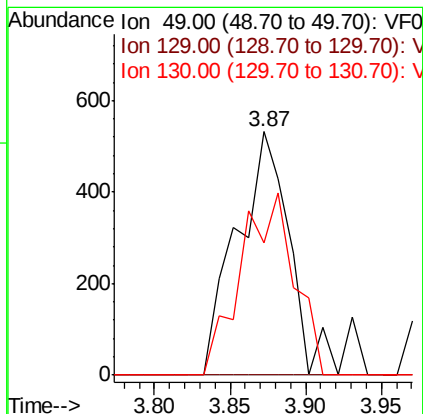
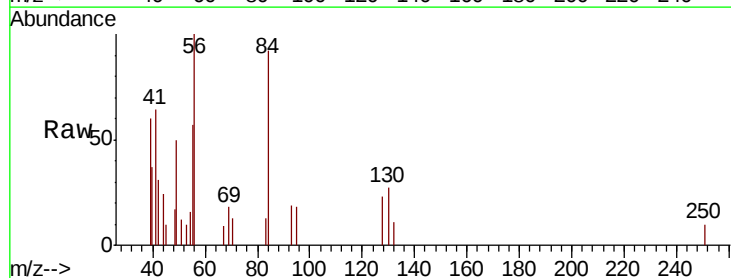
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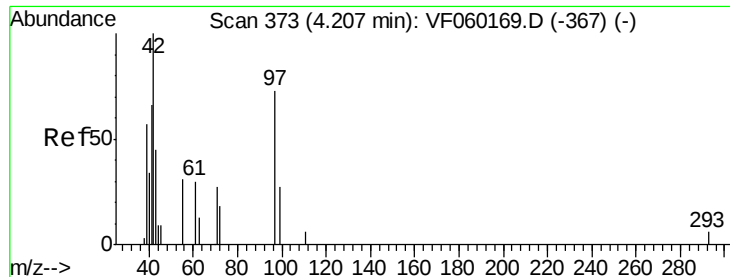


#28

Bromochloromethane
Concen: 2.74 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	54.3	86.0	129.0#





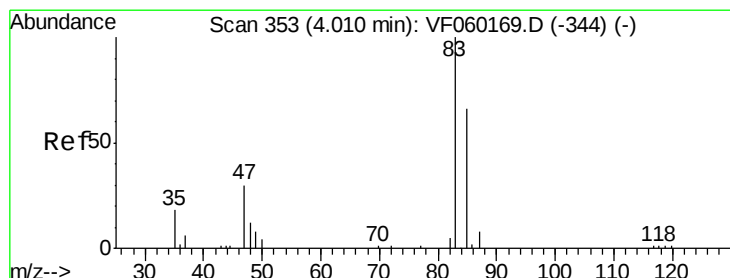
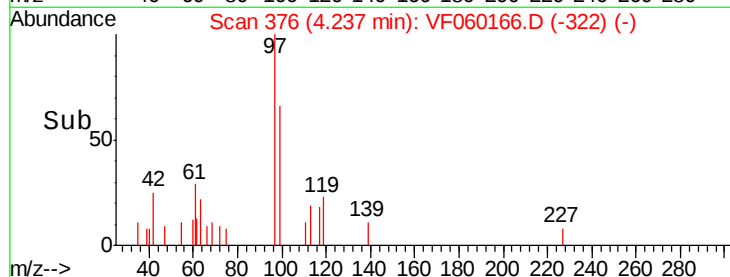
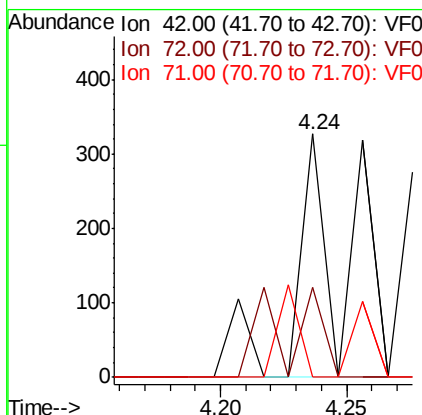
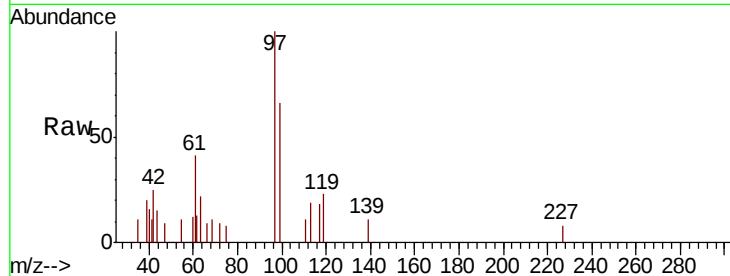
#29
Tetrahydrofuran
Concen: 2.13 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.03 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	27.0	40.4#
71	28.9	24.6	36.8

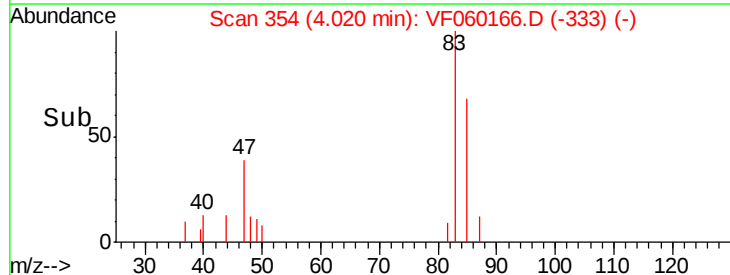
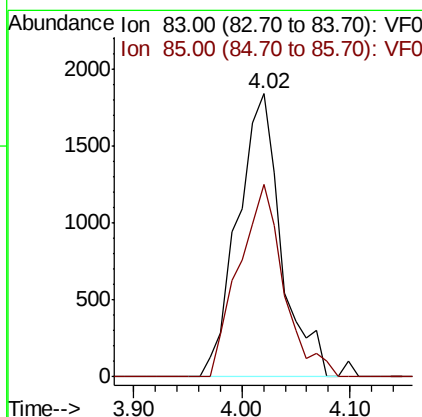
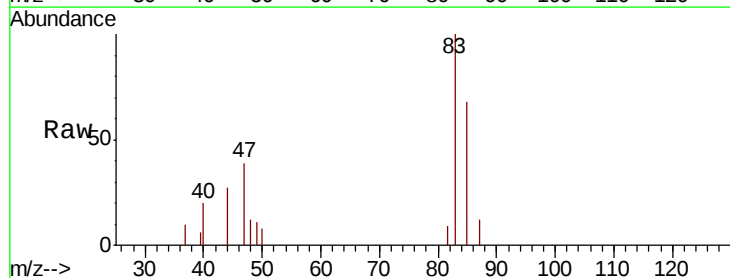
Manual Integrations
APPROVED

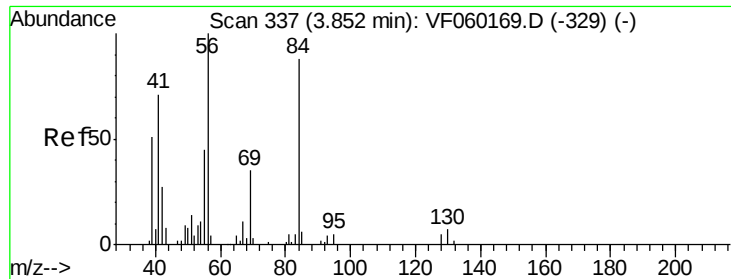
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#30
Chloroform
Concen: 3.18 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.8	79.2





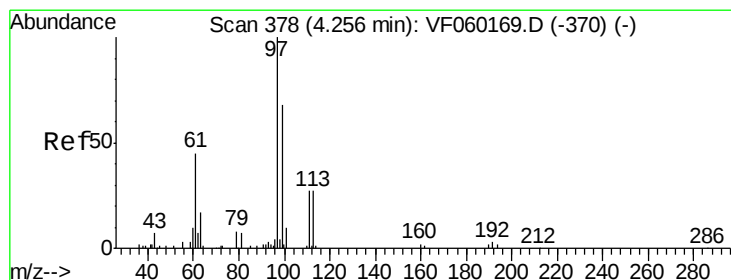
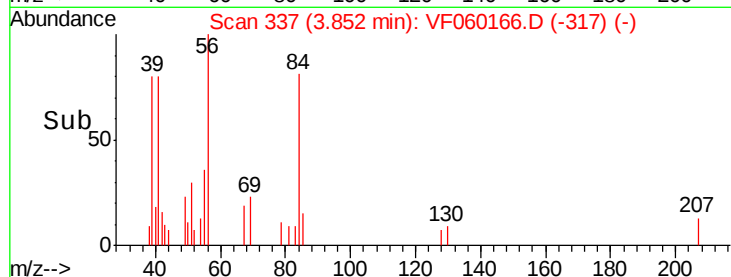
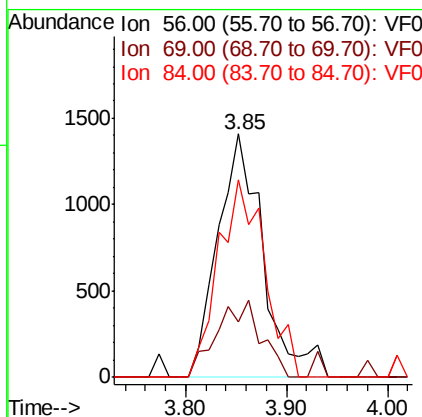
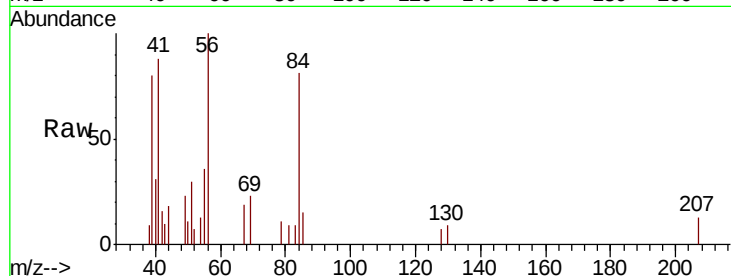
#31
Cyclohexane
Concen: 4.57 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.7	27.7	41.5#
84	81.3	70.2	105.4

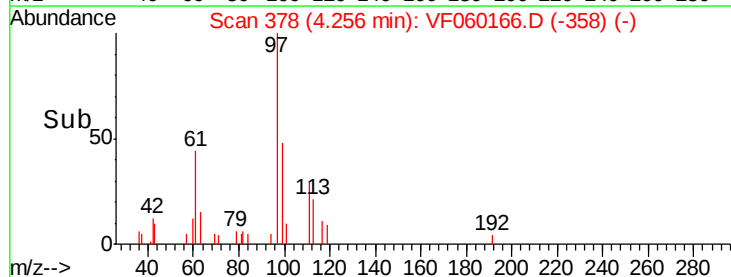
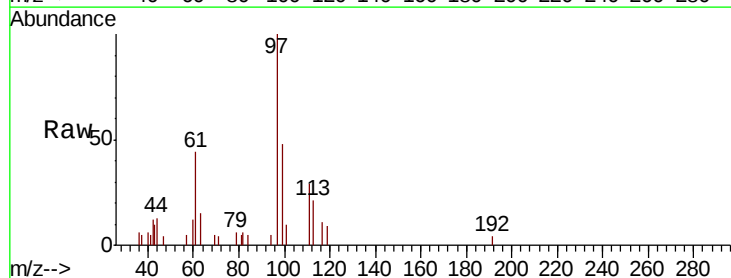
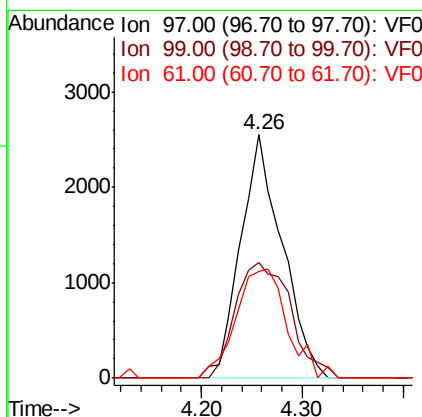
Manual Integrations
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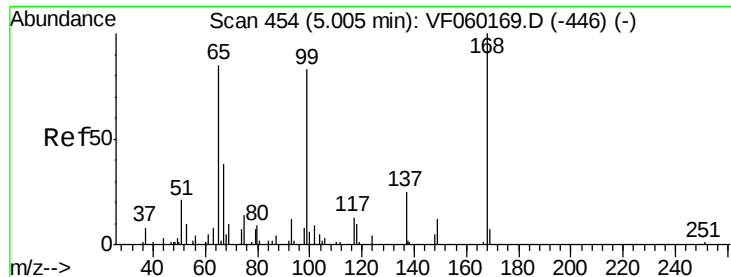
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#32
1,1,1-Trichloroethane
Concen: 4.87 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	47.7	54.4	81.6#
61	43.9	36.2	54.4





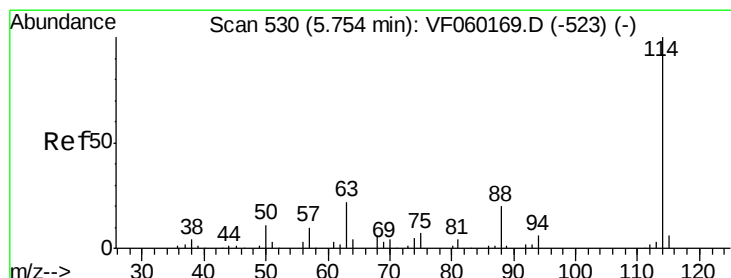
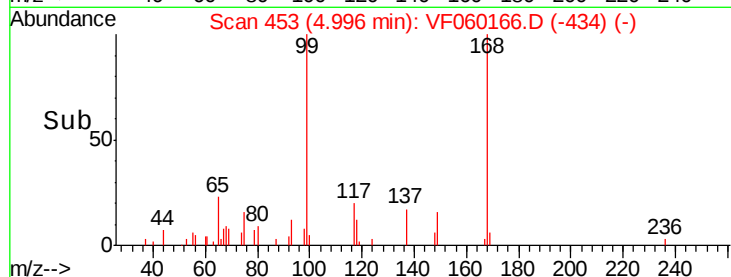
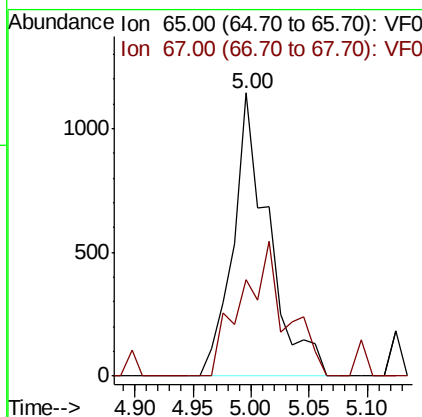
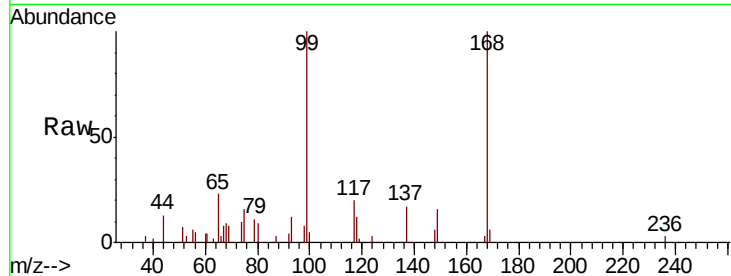
#33
 1,2-Dichloroethane-d4
 Concen: 2.47 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	33.9	0.0	92.6

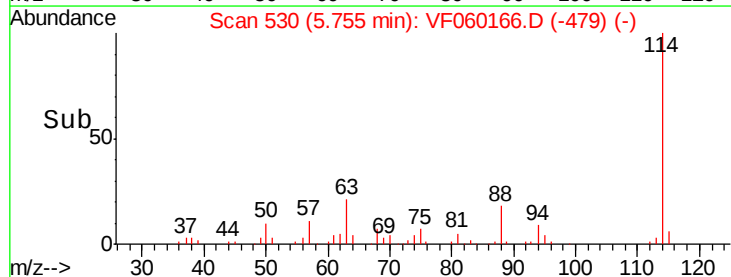
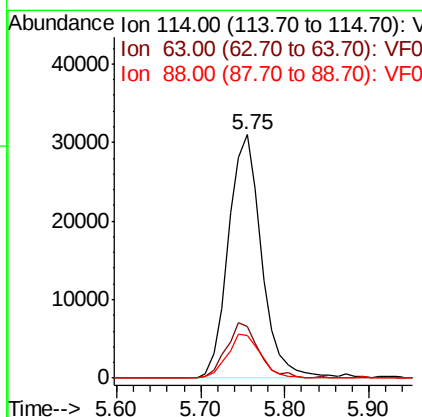
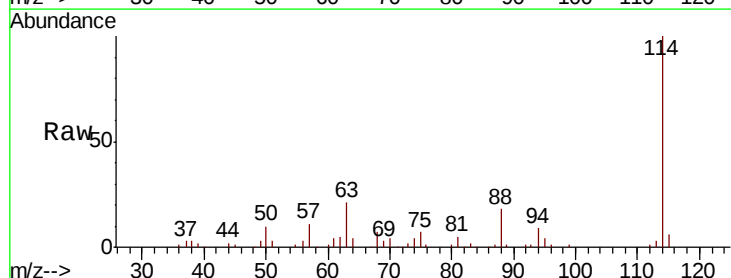
Manual Integrations
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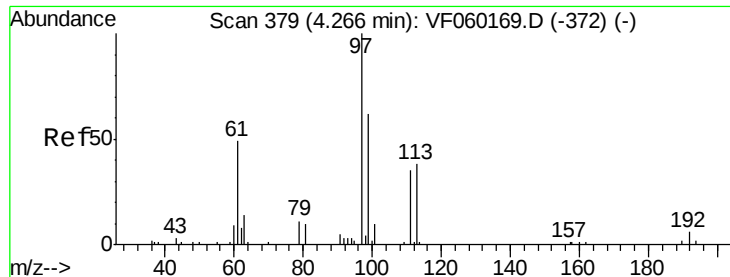
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.8
88	17.5	0.0	40.2





#35

Dibromofluoromethane

Concen: 3.82 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

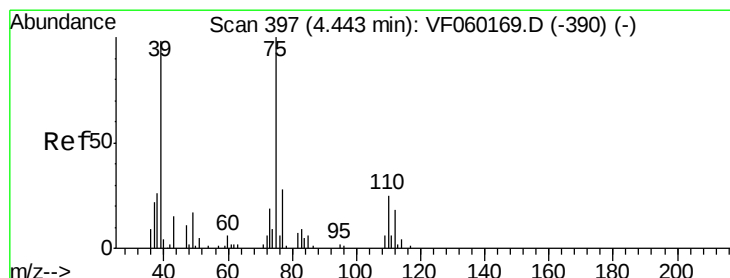
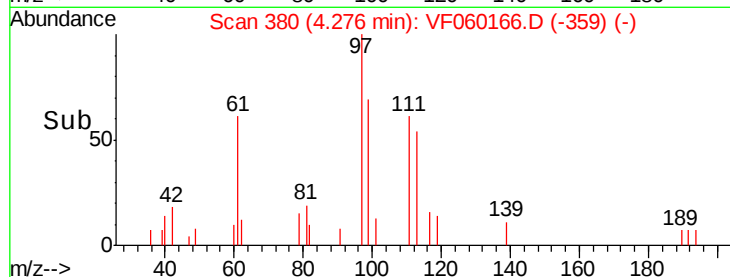
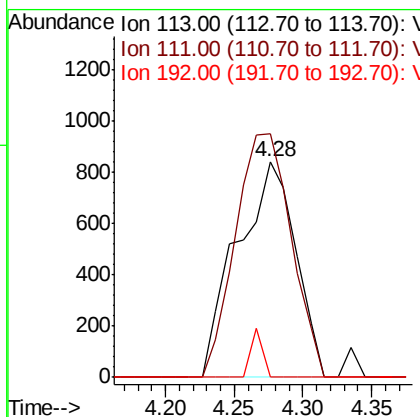
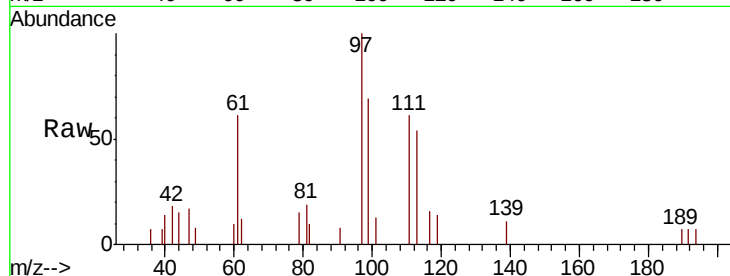
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	112.7	75.5	113.3
192	0.0	12.5	18.7#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 6.75 ug/l

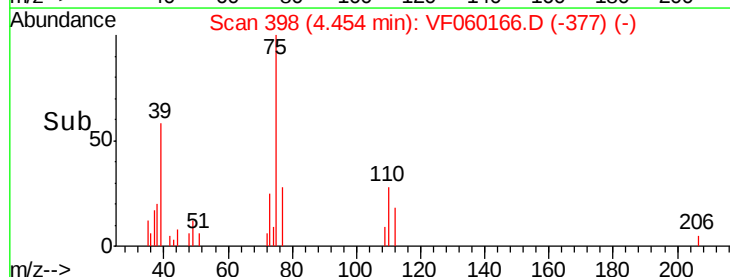
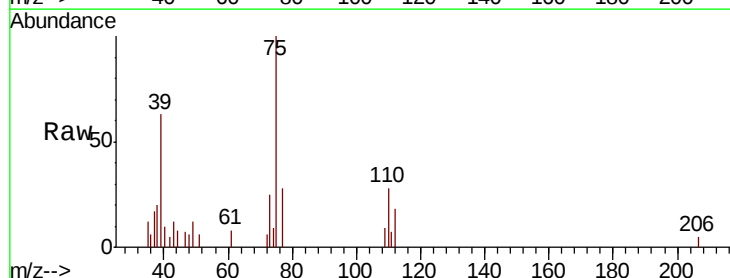
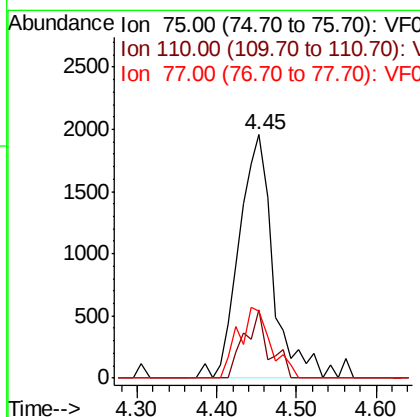
RT: 4.45 min Scan# 398

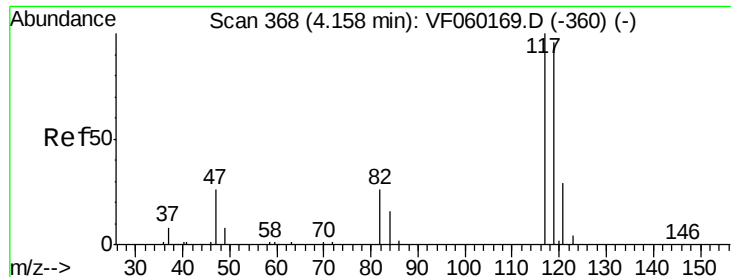
Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.9	12.6	37.6
77	27.6	22.2	33.4





#38

Carbon Tetrachloride

Concen: 6.83 ug/l m

RT: 4.16 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

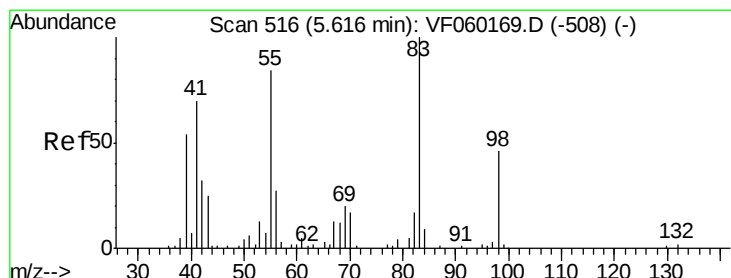
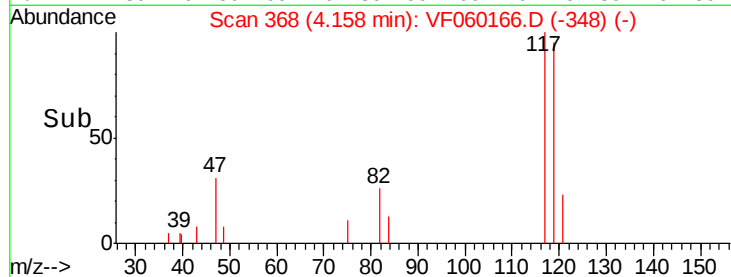
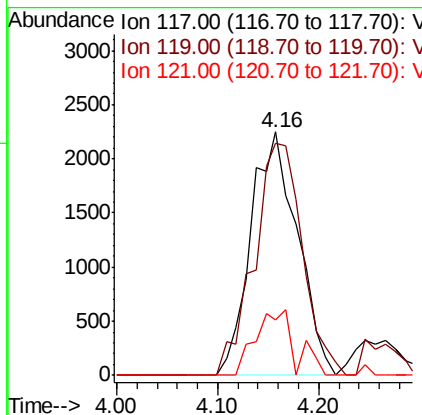
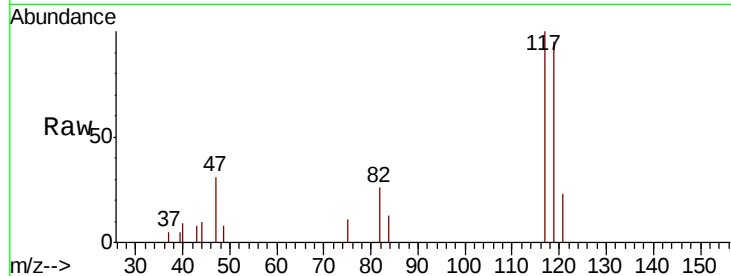
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.8	115.2
121	22.7	22.9	34.3#

Manual Integrations
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#39

Methylcyclohexane

Concen: 5.86 ug/l

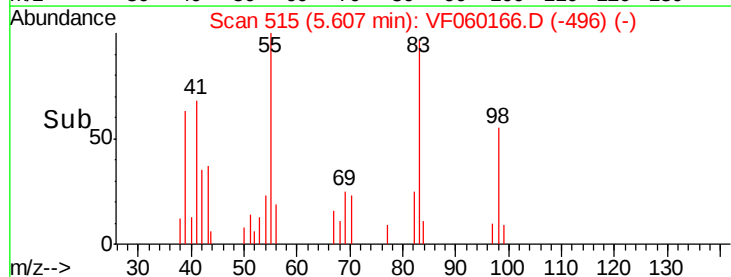
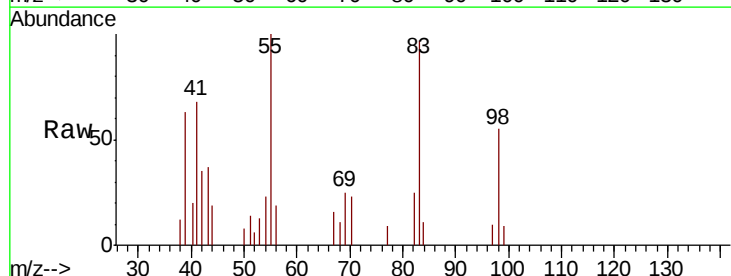
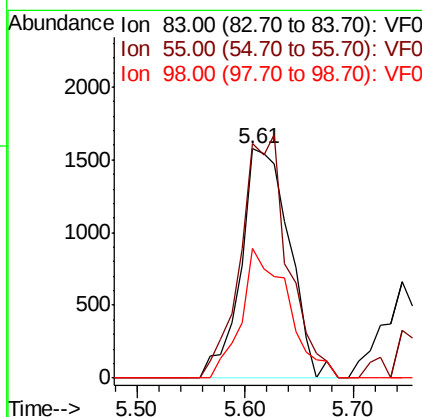
RT: 5.61 min Scan# 515

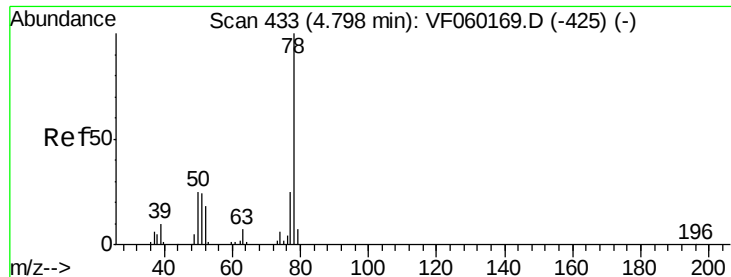
Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	102.7	67.4	101.2#
98	56.7	37.0	55.6#





#40

Benzene

Concen: 4.72 ug/l

RT: 4.80 min Scan# 433

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 8123

Ion Ratio Lower Upper

78 100

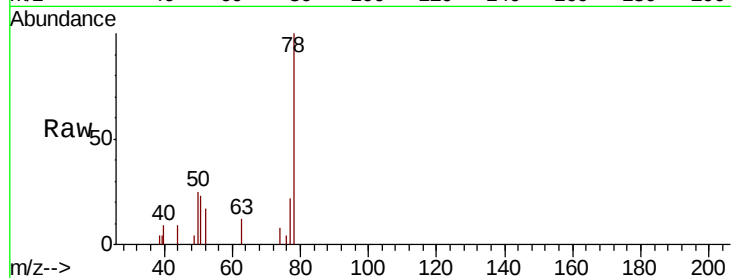
77 22.0 20.2 30.2

Manual Integrations

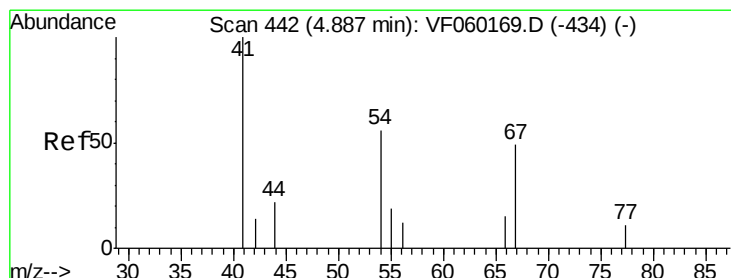
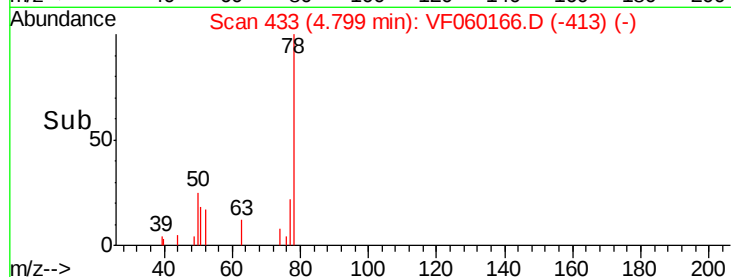
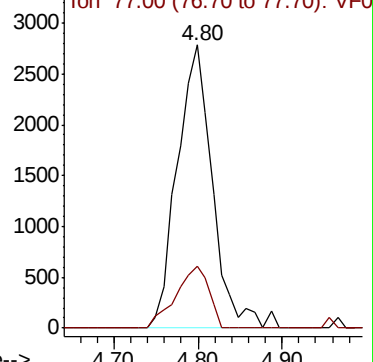
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Abundance Ion 78.10 (77.80 to 78.80): VF0



#41

Methacrylonitrile

Concen: 1.49 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion: 41 Resp: 322

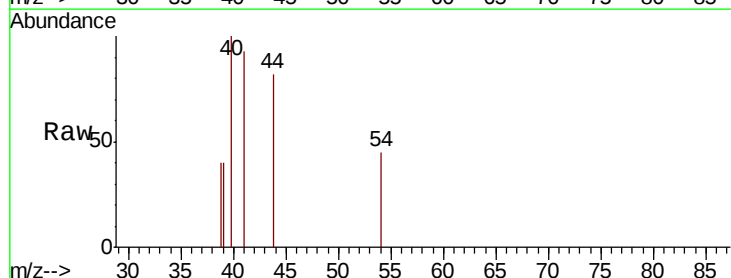
Ion Ratio Lower Upper

41 100

39 86.5 45.0 67.6#

67 0.0 39.5 59.3#

52 0.0 28.5 42.7#

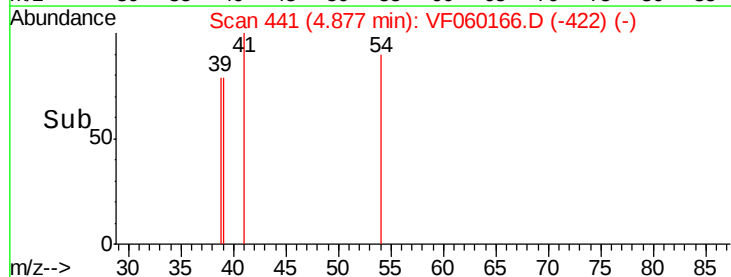
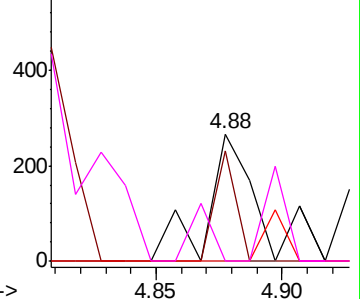


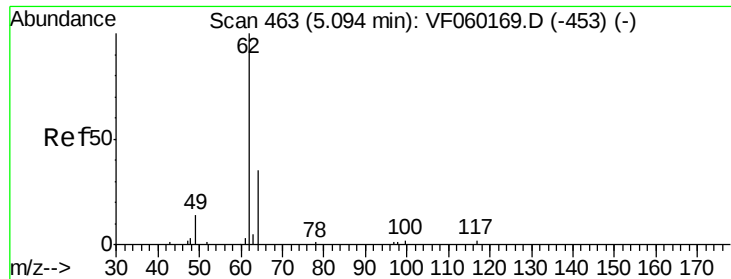
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 3.69 ug/l m

RT: 5.09 min Scan# 463

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 62 Resp: 3216

Ion Ratio Lower Upper

62 100

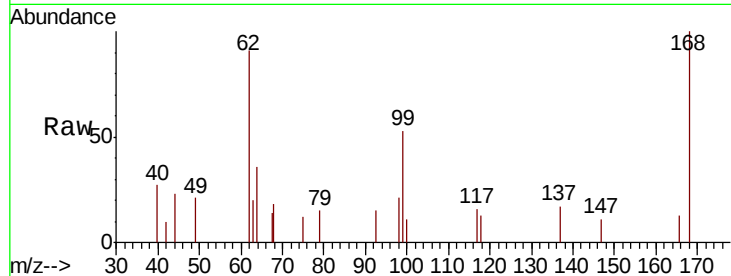
98 22.8 0.0 13.2#

Manual Integrations

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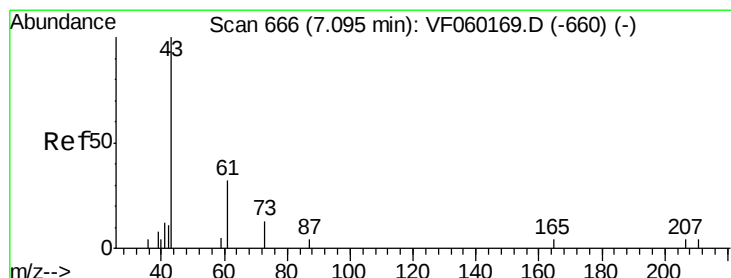
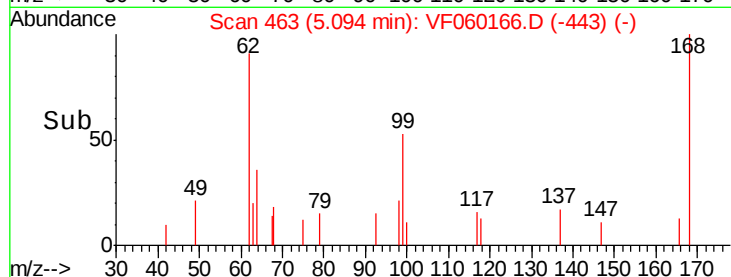
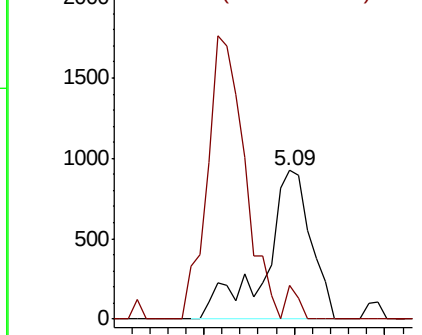
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Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 1.71 ug/l

RT: 7.10 min Scan# 666

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

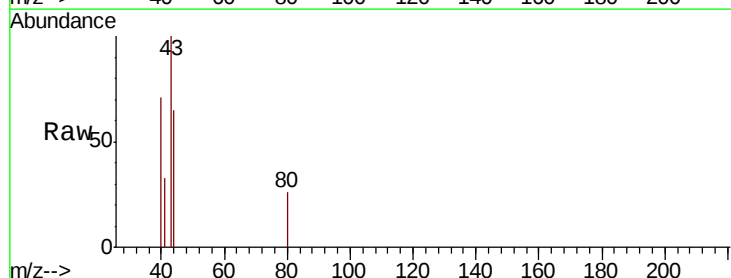
Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

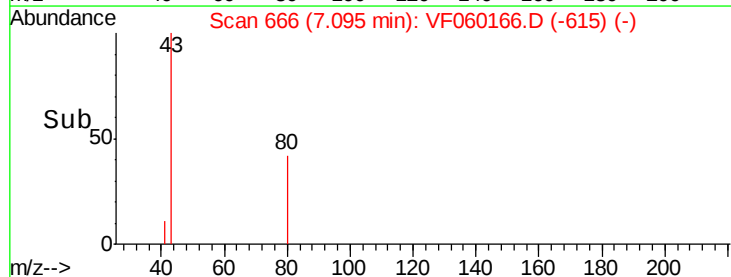
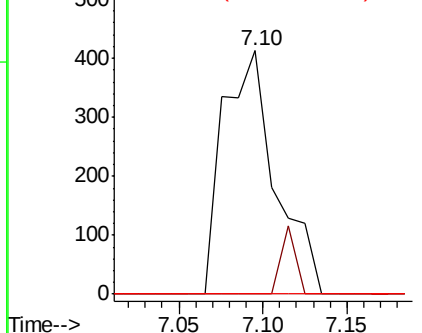
87 0.0 3.0 4.6#

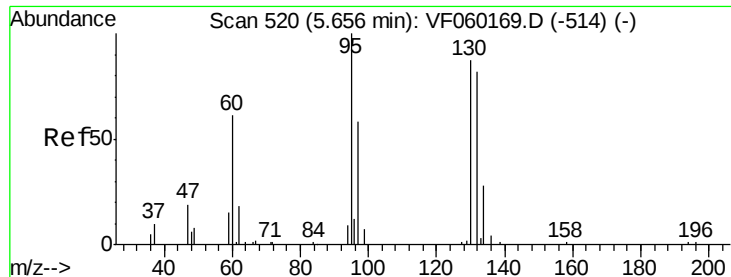


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 5.76 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 3444

Ion Ratio Lower Upper

130 100

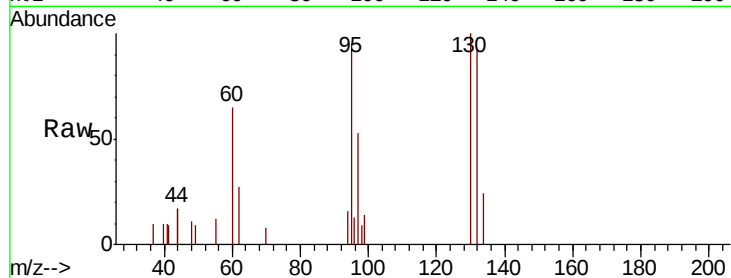
95 95.5 0.0 230.8

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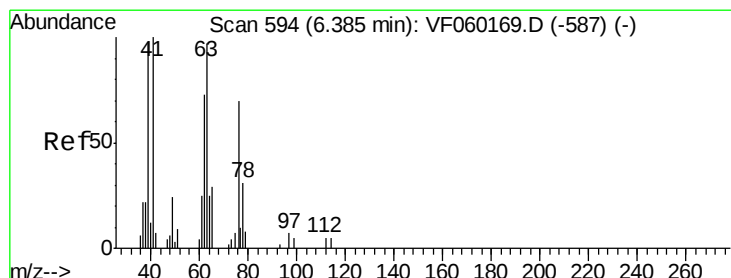
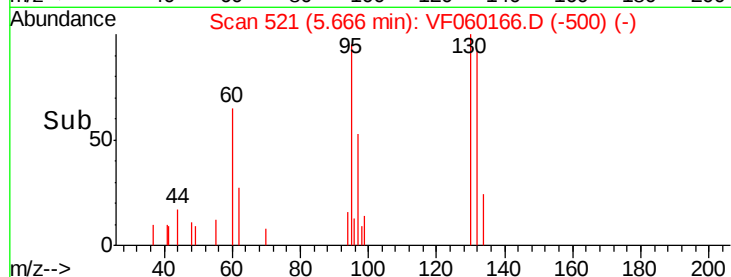
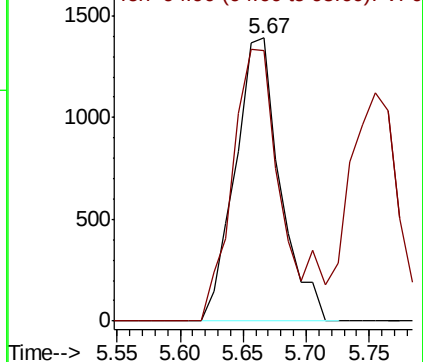
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#45

1,2-Dichloropropane

Concen: 3.38 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF060166.D

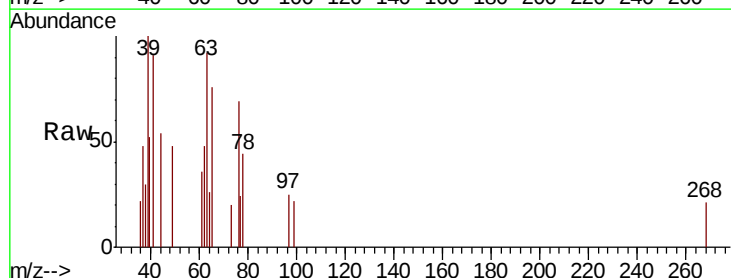
Acq: 29 Aug 2018 00:04

Tgt Ion: 63 Resp: 1571

Ion Ratio Lower Upper

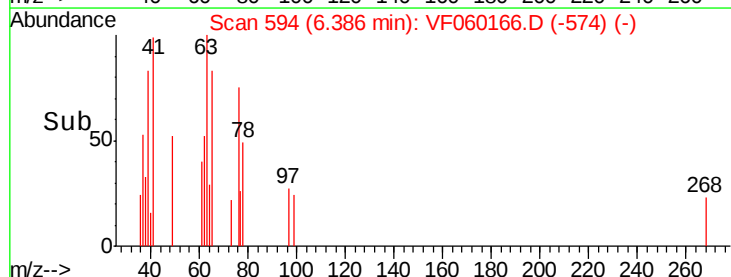
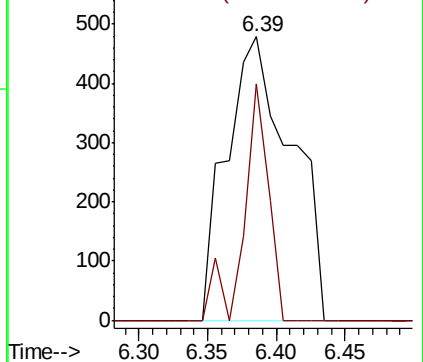
63 100

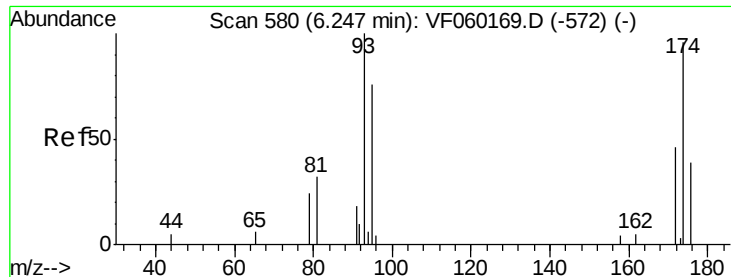
65 83.5 23.6 35.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





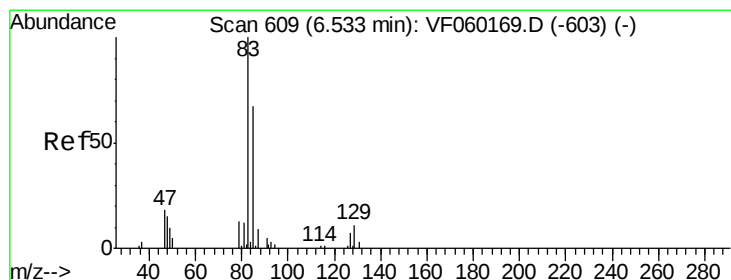
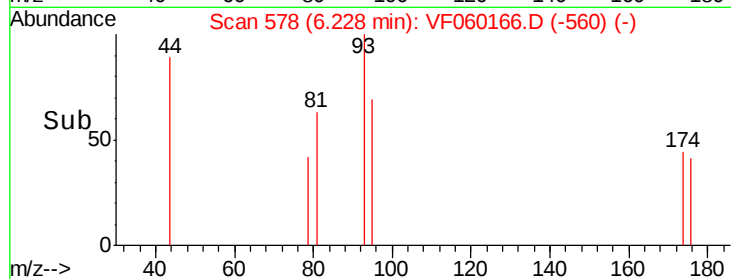
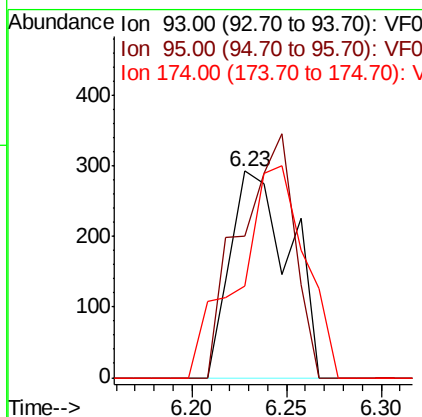
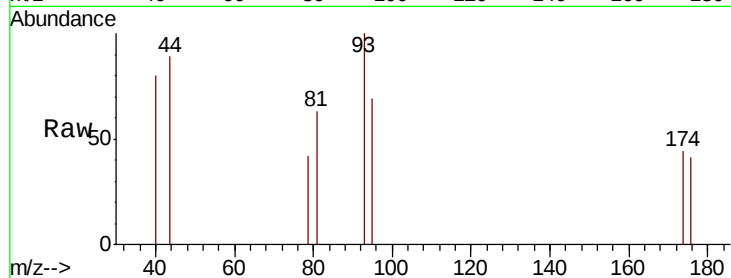
#46
Dibromomethane
Concen: 1.81 ug/l
RT: 6.23 min Scan# 578
Delta R.T. -0.02 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	68.8	60.8	91.2
174	44.2	76.8	115.2#

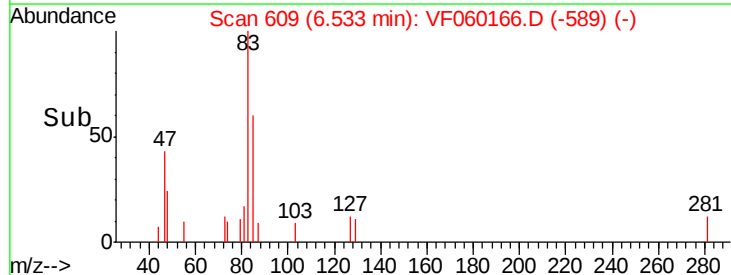
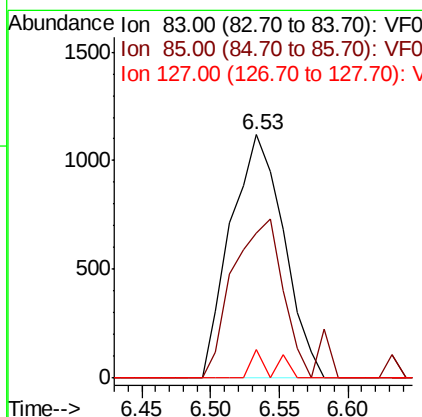
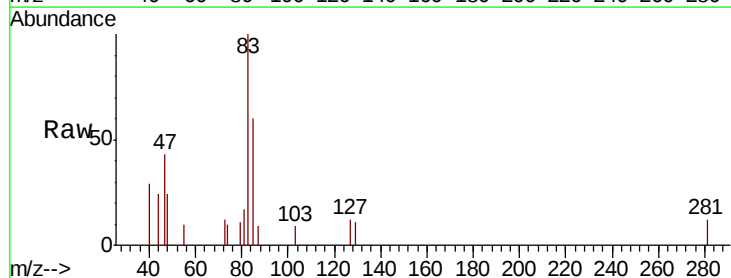
Manual Integrations
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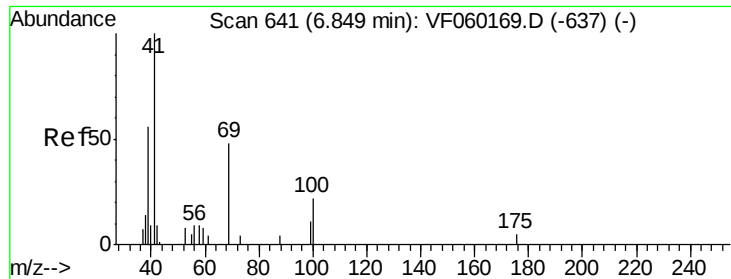
apatel
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#47
Bromodichloromethane
Concen: 3.40 ug/l
RT: 6.53 min Scan# 609
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	53.3	79.9
127	12.0	5.7	8.5#





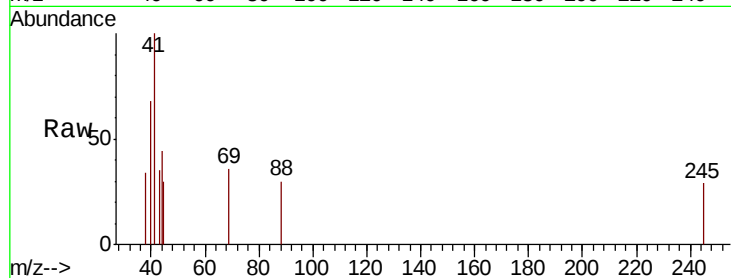
#48
Methyl methacrylate
Concen: 2.96 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

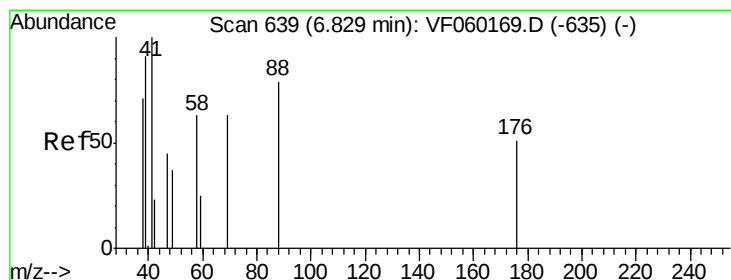
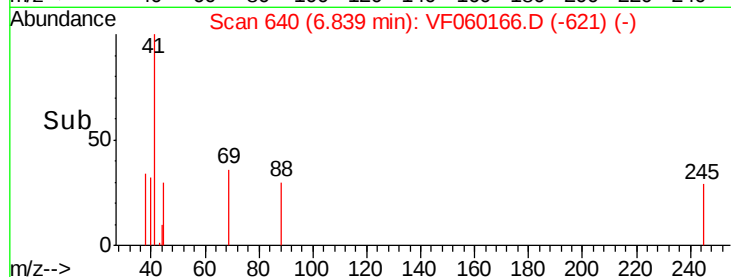
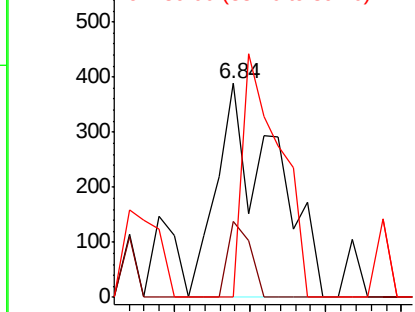
Tot Ion	Ratio	Lower	Upper
41	100		
69	35.8	38.2	57.2#
39	0.0	56.2	84.2#

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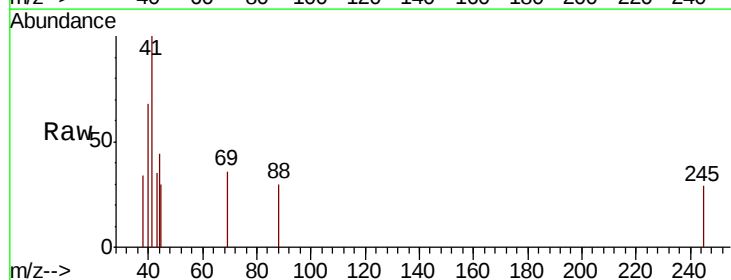


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

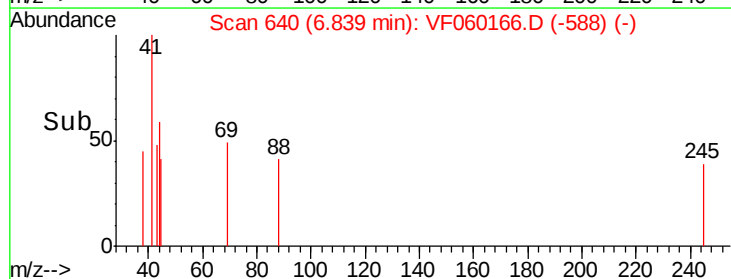
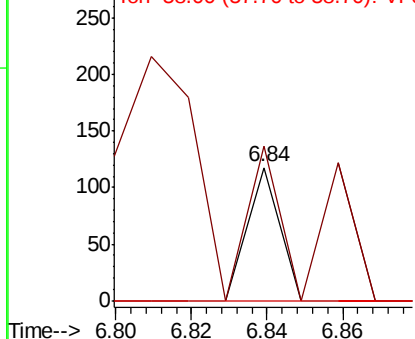


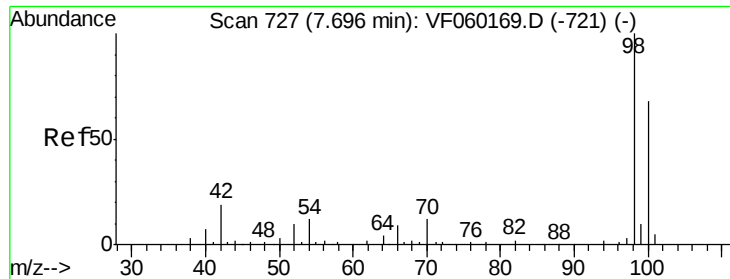
#49
1,4-Dioxane
Concen: 21.10 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.01 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
88	100		
43	116.1	24.5	36.7#
58	0.0	63.8	95.8#



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





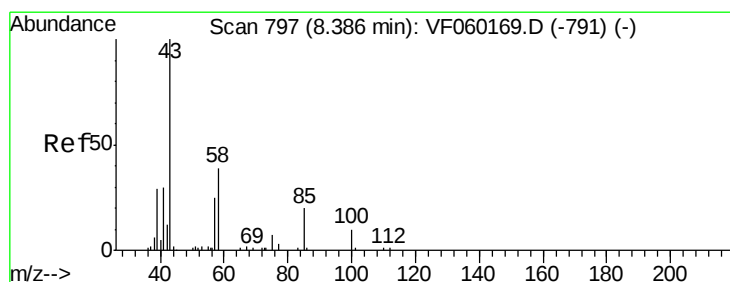
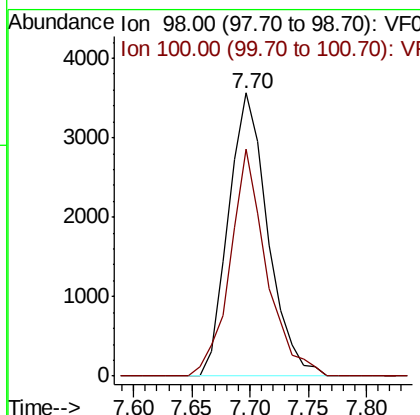
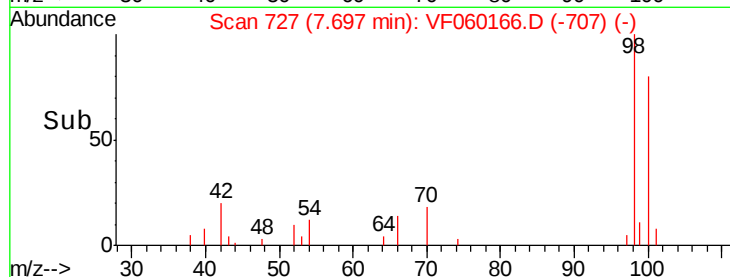
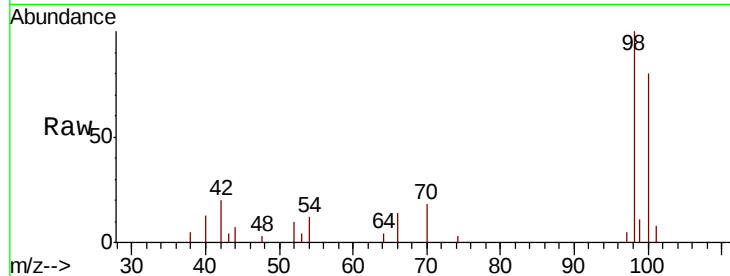
#50
Toluene-d8
Concen: 4.38 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
98	100		
100	80.4	54.5	81.7

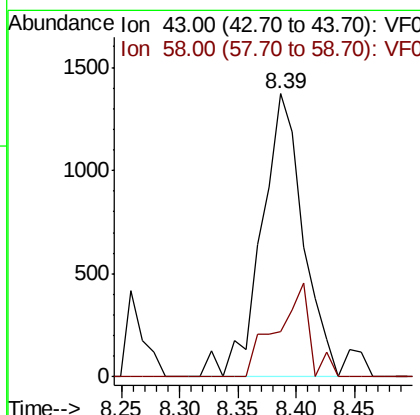
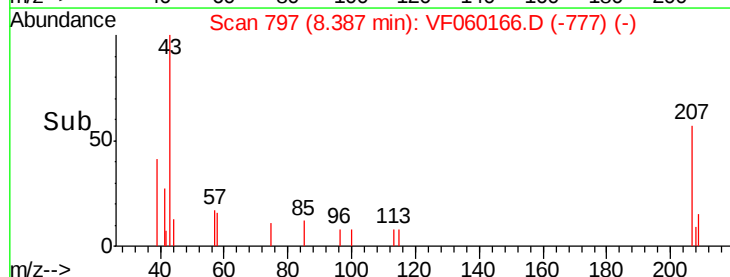
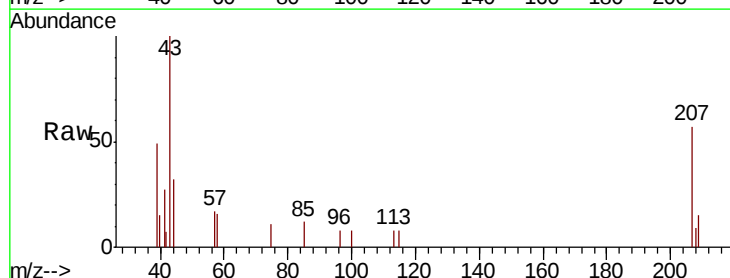
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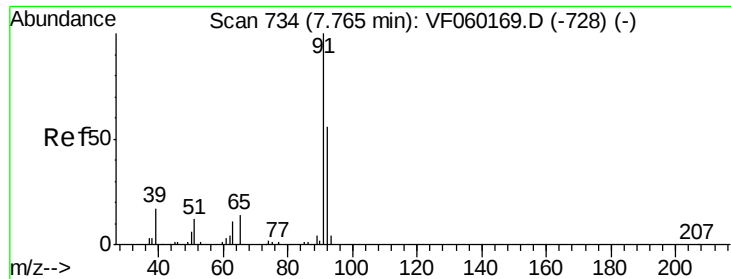
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#51
4-Methyl-2-Pentanone
Concen: 7.43 ug/l
RT: 8.39 min Scan# 797
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.0	31.0	46.6#





#52

Toluene

Concen: 4.65 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 5942

Ion Ratio Lower Upper

92 100

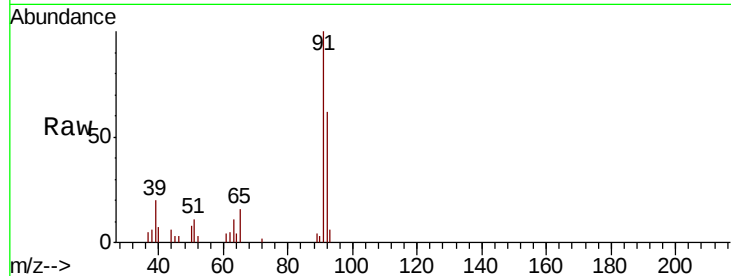
91 160.0 141.9 212.9

Manual Integrations

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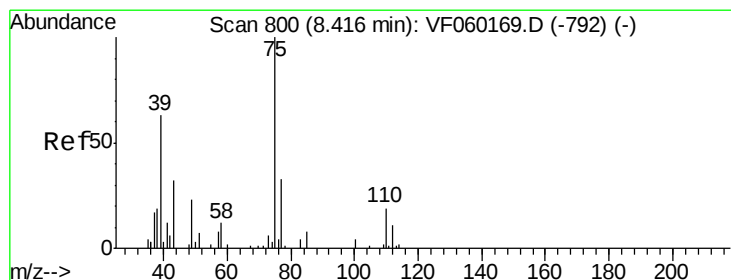
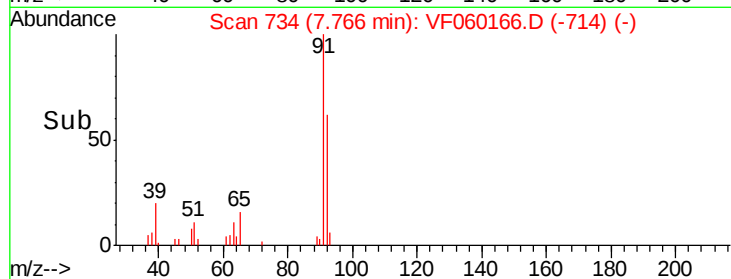
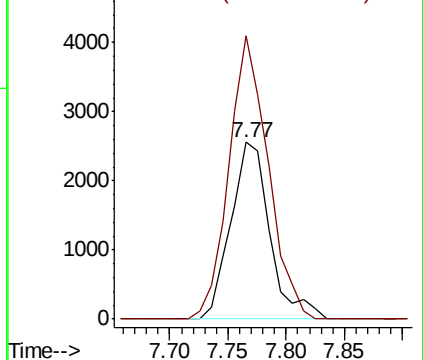
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.94 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060166.D

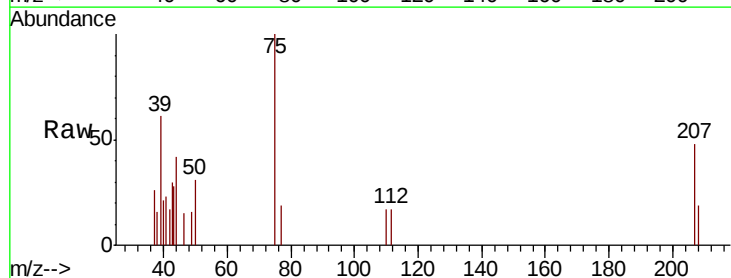
Acq: 29 Aug 2018 00:04

Tgt Ion: 75 Resp: 1499

Ion Ratio Lower Upper

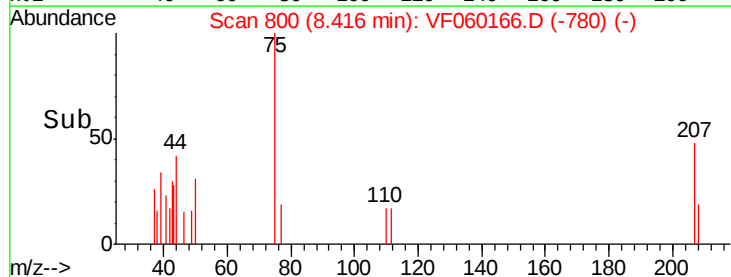
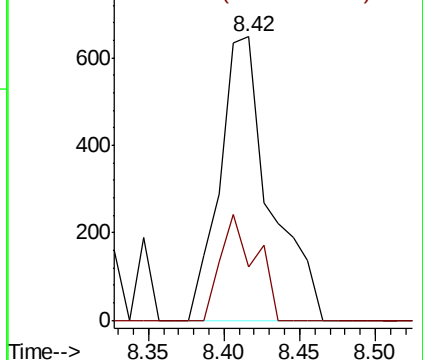
75 100

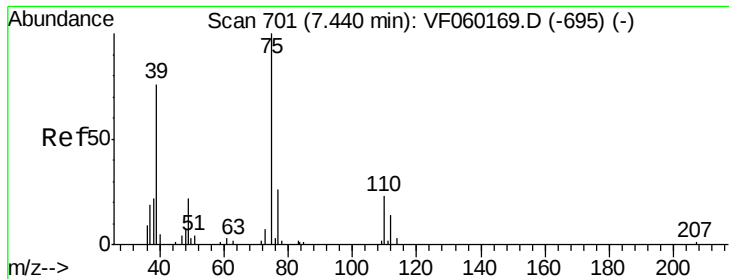
77 19.0 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 2.22 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

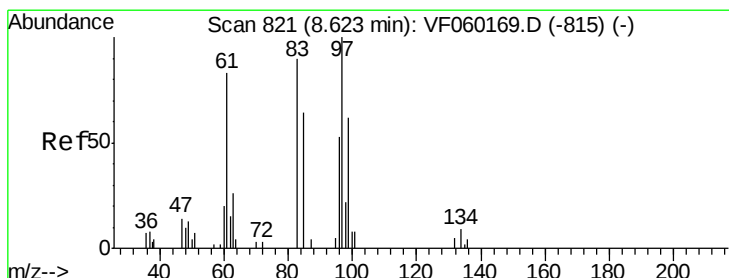
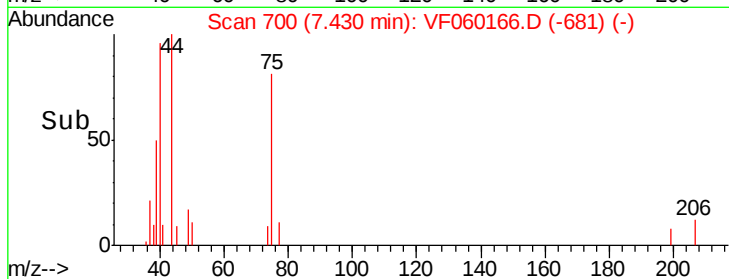
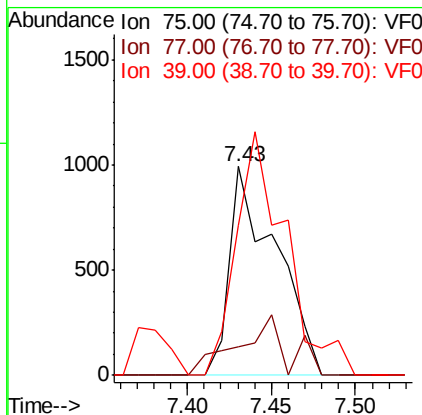
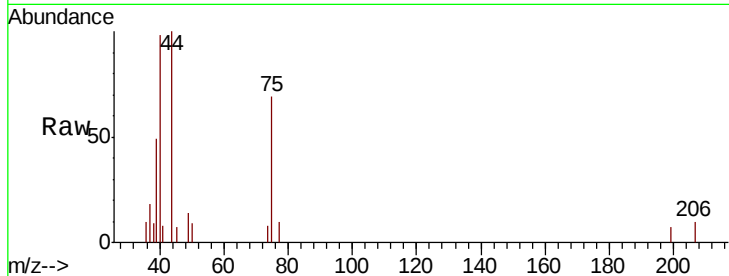
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	1904
Ion	Ratio	Lower	Upper
75	100		
77	13.9	20.7	31.1#
39	72.0	60.9	91.3

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#55

1,1,2-Trichloroethane

Concen: 2.60 ug/l

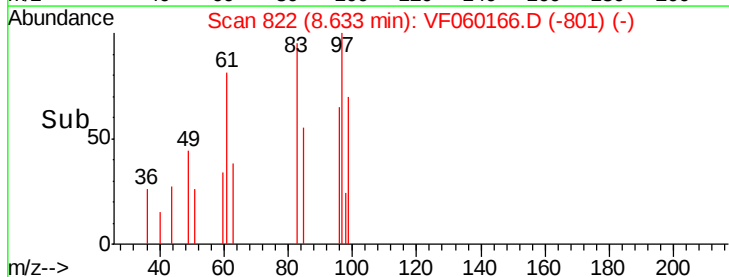
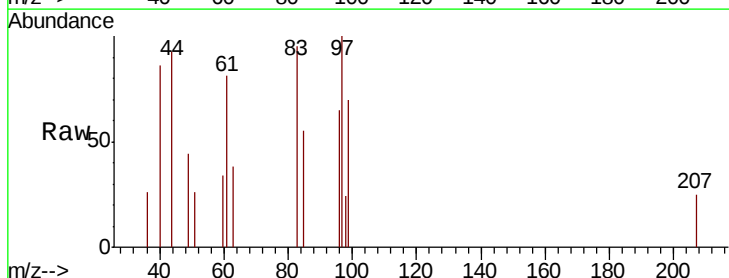
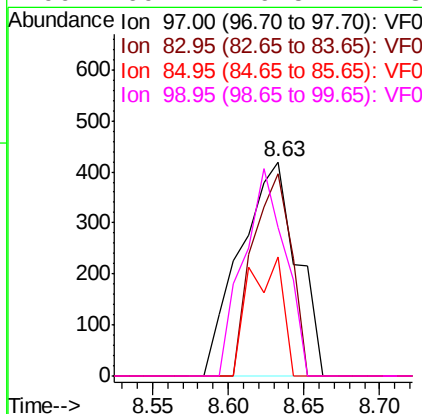
RT: 8.63 min Scan# 822

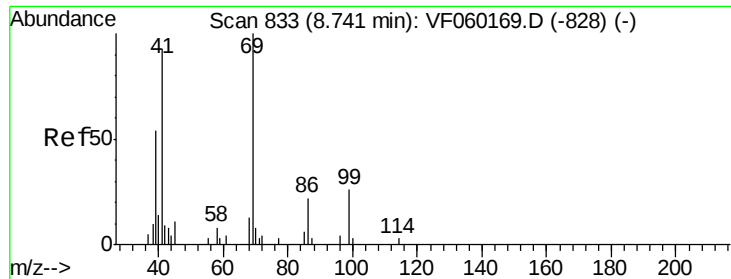
Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	97	Resp:	1096
Ion	Ratio	Lower	Upper
97	100		
83	94.5	72.0	108.0
85	55.4	51.0	76.4
99	69.7	49.5	74.3





#56

Ethyl methacrylate

Concen: 1.48 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

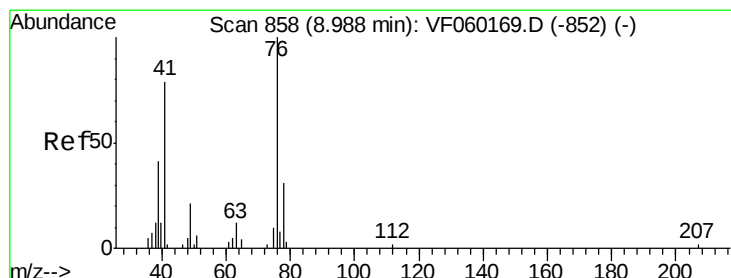
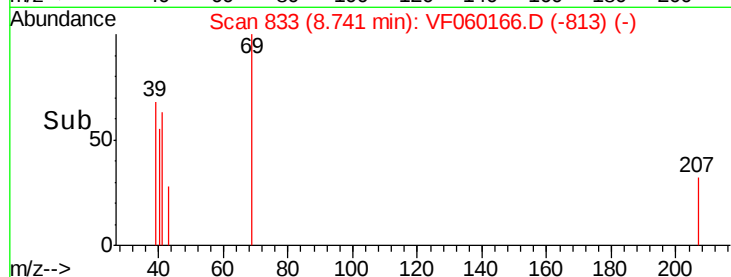
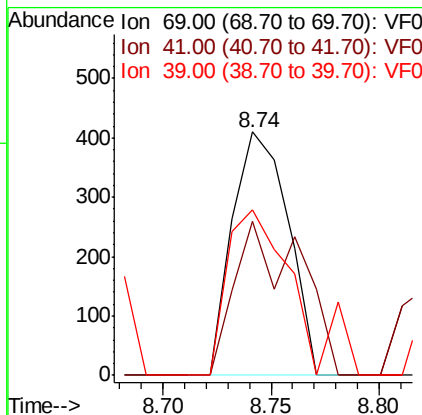
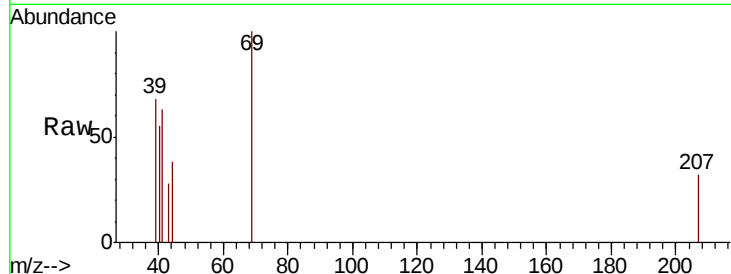
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	740
Ion	Ratio	Lower	Upper
69	100		
41	63.4	74.6	111.8#
39	67.8	46.2	69.4

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#57

1,3-Dichloropropane

Concen: 2.00 ug/l

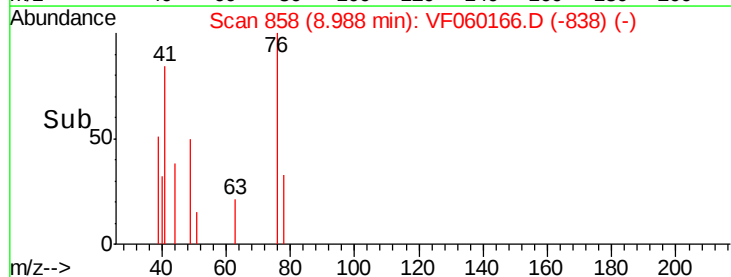
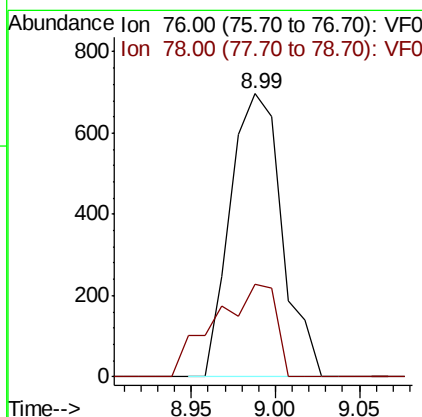
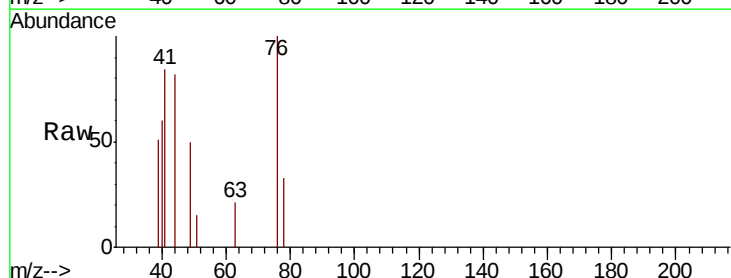
RT: 8.99 min Scan# 858

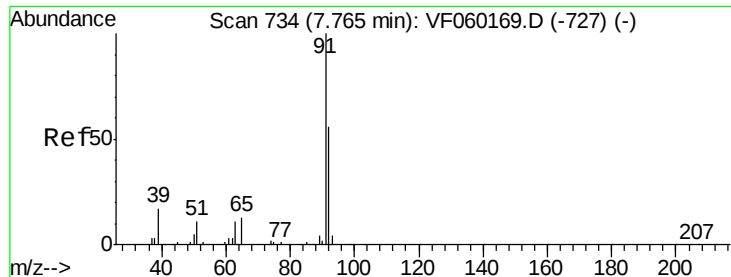
Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	76	Resp:	1483
Ion	Ratio	Lower	Upper
76	100		
78	32.9	24.6	37.0





#58

2-Chloroethyl Vinyl ether

Concen: 24.86 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 1164

Ion Ratio Lower Upper

63 100

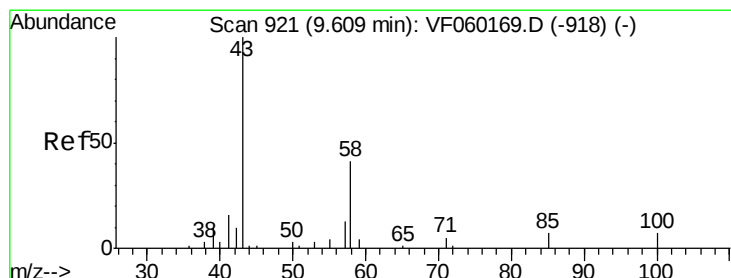
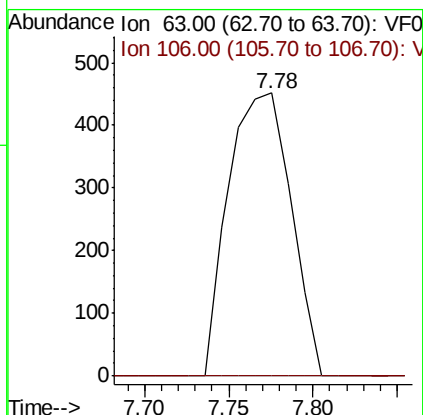
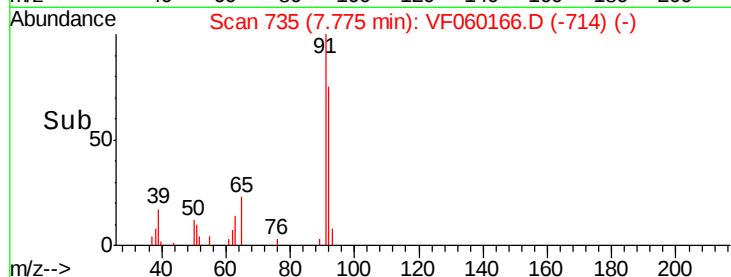
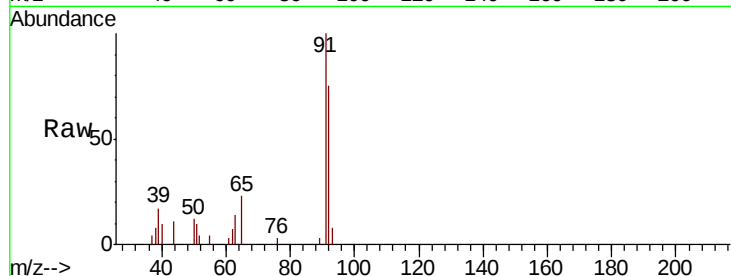
106 0.0 0.0 0.0

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#59

2-Hexanone

Concen: 6.19 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.01 min

Lab File: VF060166.D

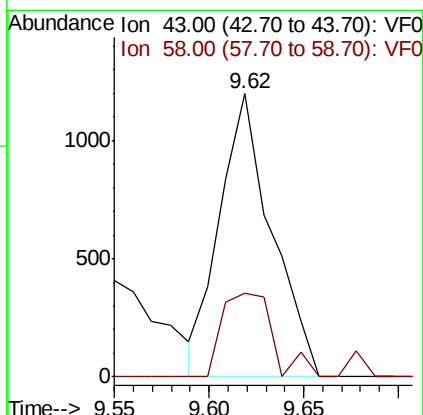
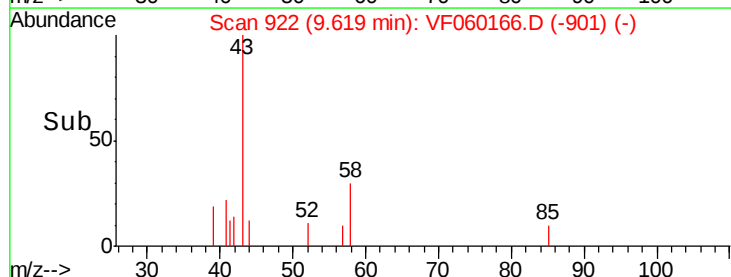
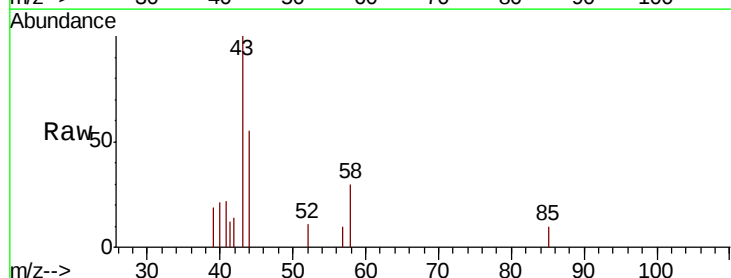
Acq: 29 Aug 2018 00:04

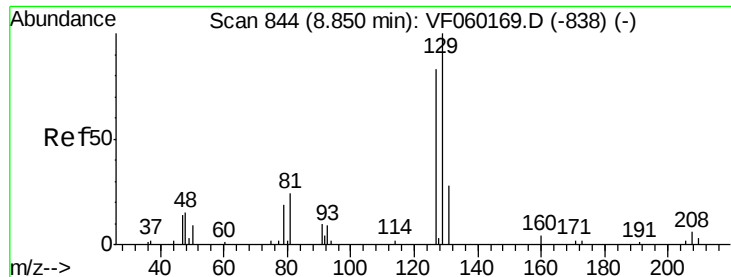
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

58 29.8 19.4 58.4





#60

Dibromochloromethane

Concen: 2.02 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 1281

Ion Ratio Lower Upper

129 100

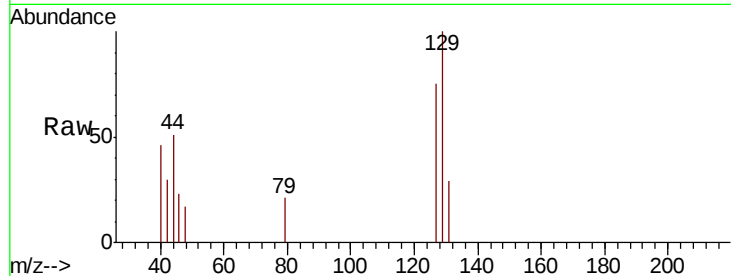
127 75.4 43.2 129.6

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.86

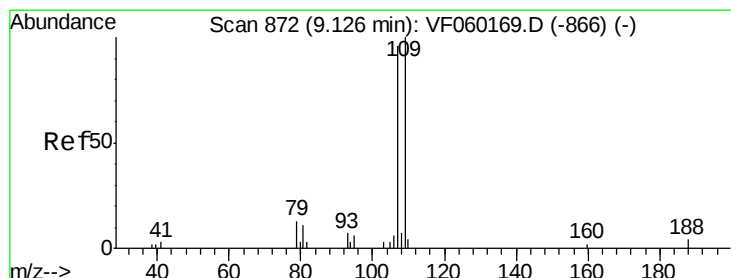
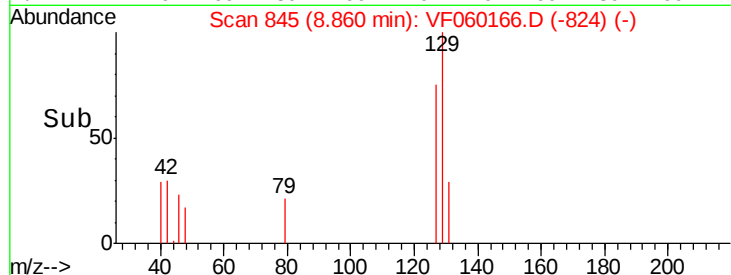
600

400

200

0

Time-->



#61

1,2-Dibromoethane

Concen: 1.76 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF060166.D

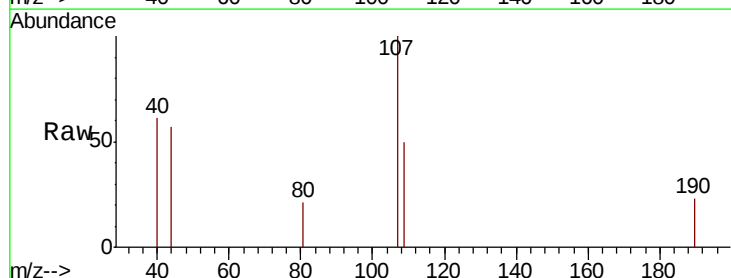
Acq: 29 Aug 2018 00:04

Tgt Ion:107 Resp: 867

Ion Ratio Lower Upper

107 100

109 50.2 83.4 125.0#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

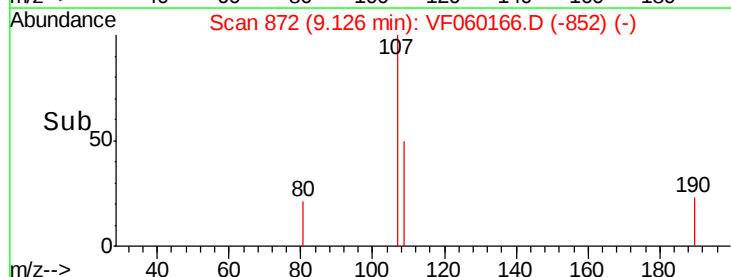
600

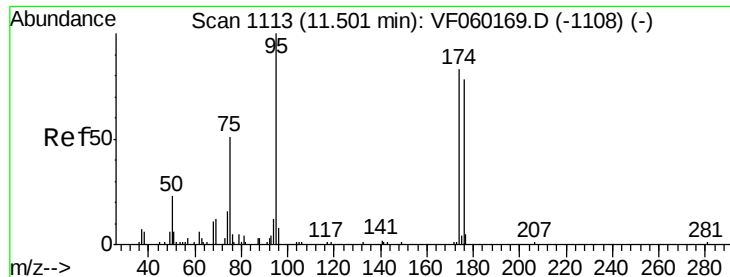
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 4.12 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

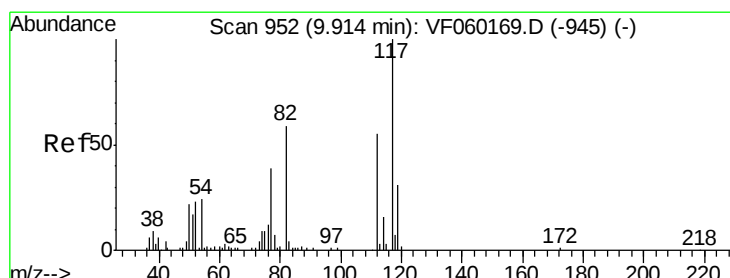
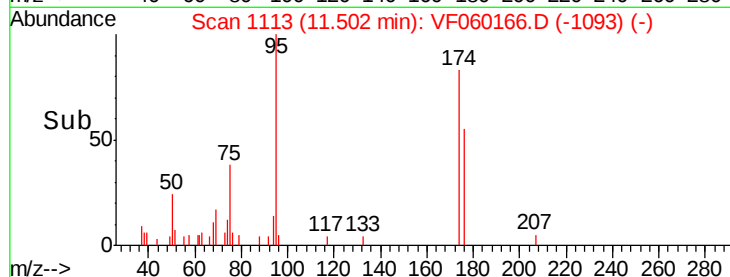
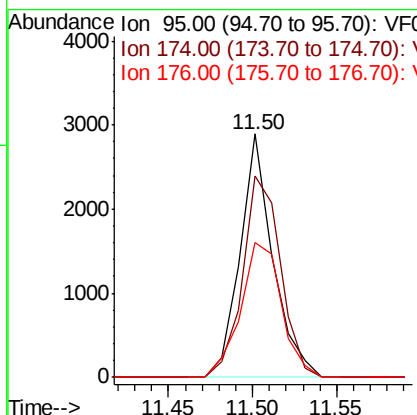
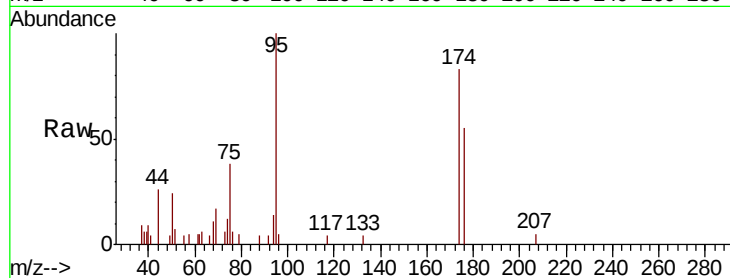
ClientSampleId :

VSTDIC005

Tot Ion:	95	Resp:	3922
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	165.2
176	55.3	0.0	156.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

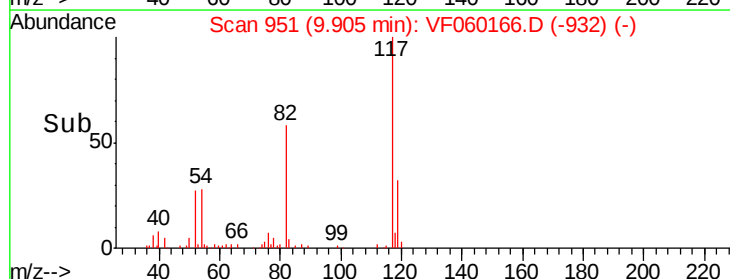
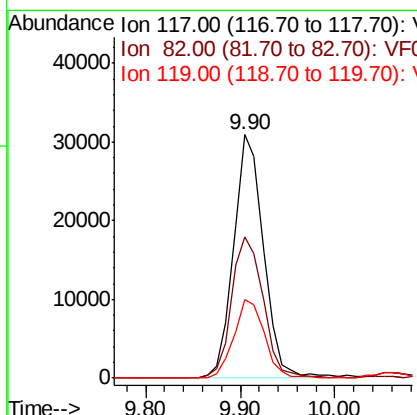
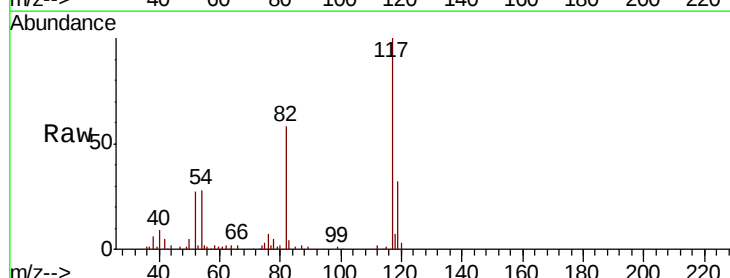
RT: 9.90 min Scan# 951

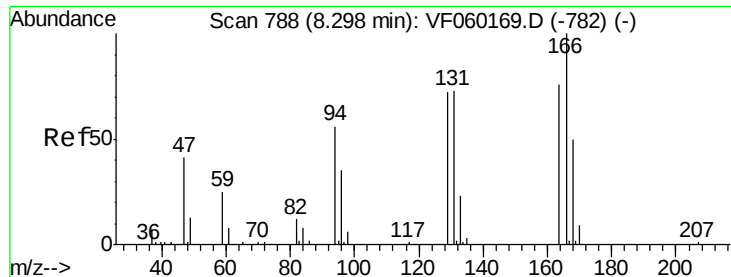
Delta R.T. -0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	117	Resp:	67775
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.0	25.0	37.4





#64

Tetrachloroethene

Concen: 7.97 ug/l

RT: 8.30 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 4172

Ion Ratio Lower Upper

164 100

166 150.4 105.2 157.8

129 104.4 76.2 114.2

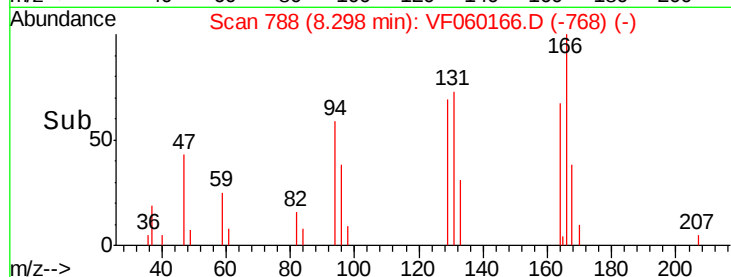
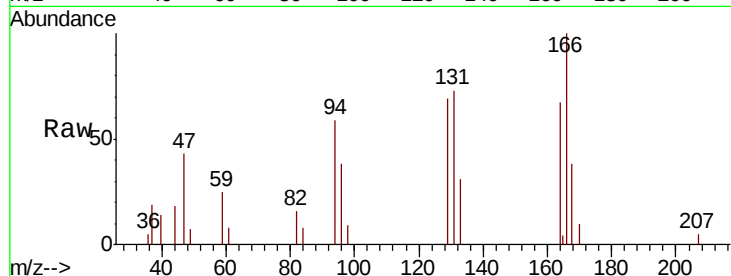
131 110.3 77.0 115.6

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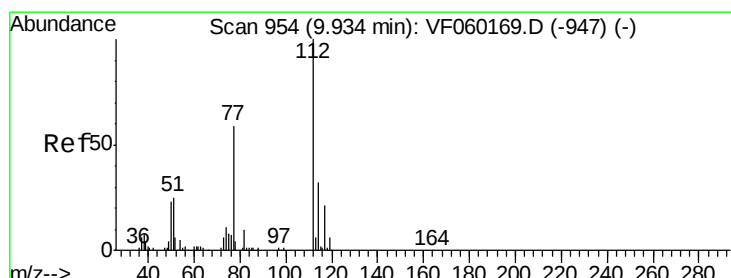
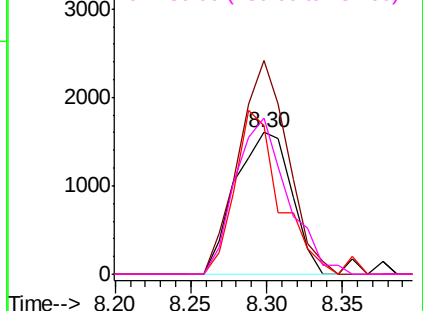


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65

Chlorobenzene

Concen: 5.33 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060166.D

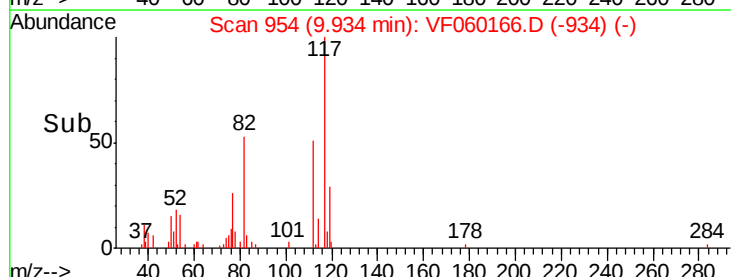
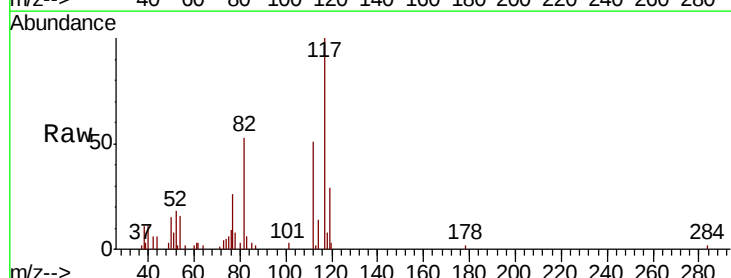
Acq: 29 Aug 2018 00:04

Tgt Ion:112 Resp: 6901

Ion Ratio Lower Upper

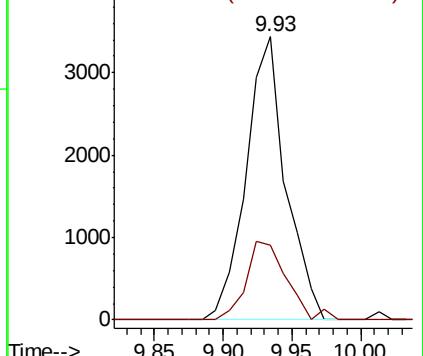
112 100

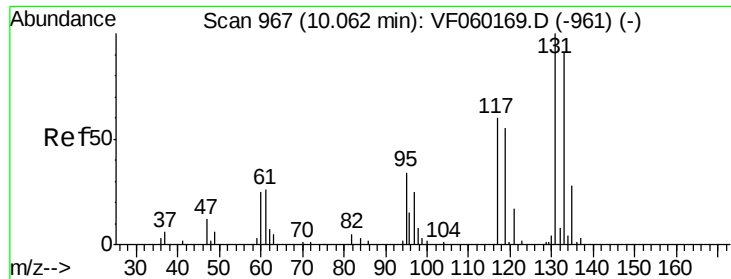
114 26.6 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 3.60 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

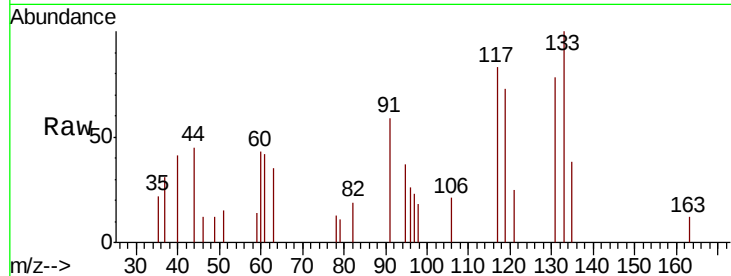
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	127.7	45.7	137.1
119	92.8	28.1	84.3

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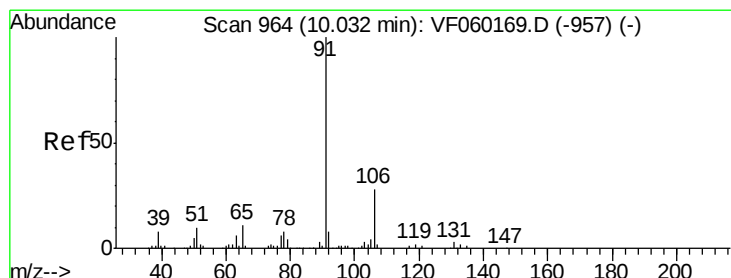
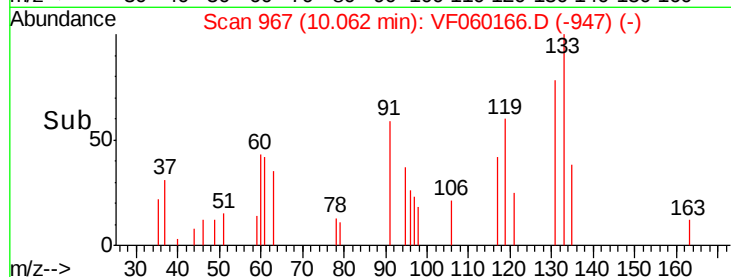
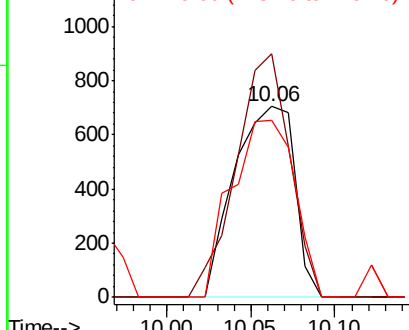


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 6.25 ug/l

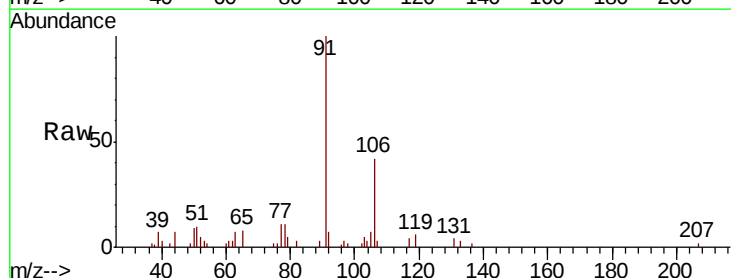
RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

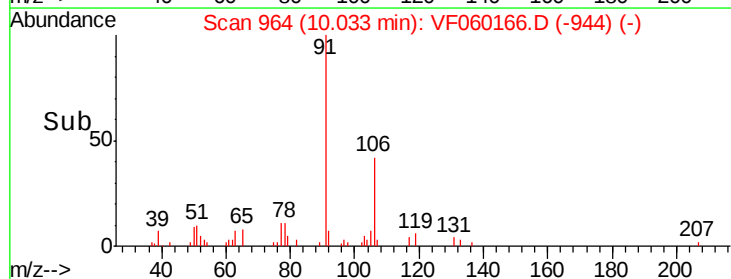
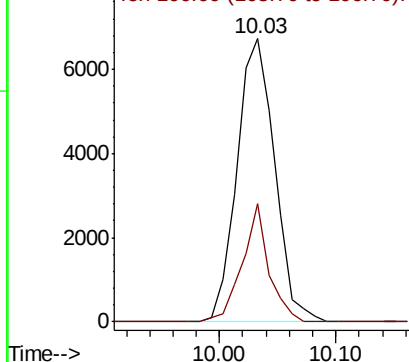
Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.6	22.8	34.2

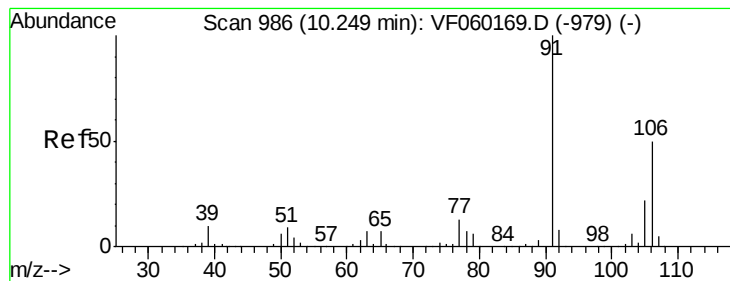


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 9.75 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC005

Tot Ion:106 Resp: 8772

Ion Ratio Lower Upper

106 100

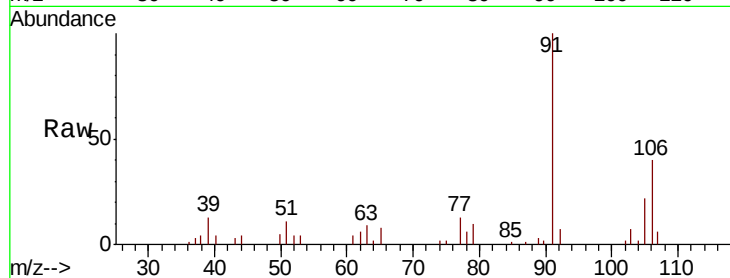
91 248.5 161.3 241.9#

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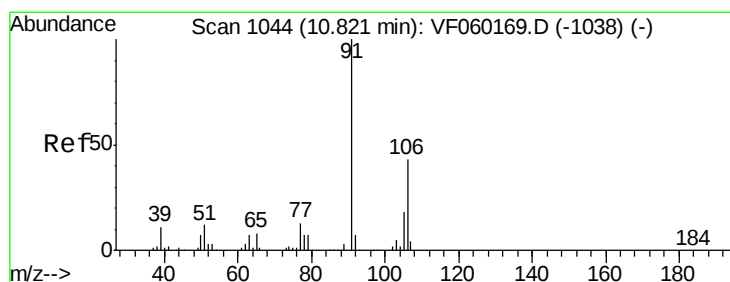
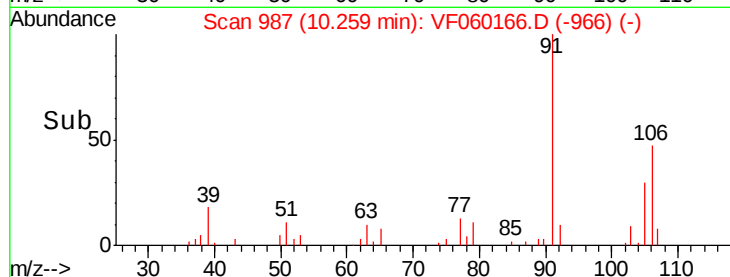
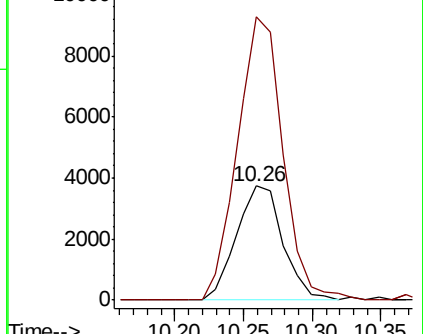
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 4.62 ug/l

RT: 10.82 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VF060166.D

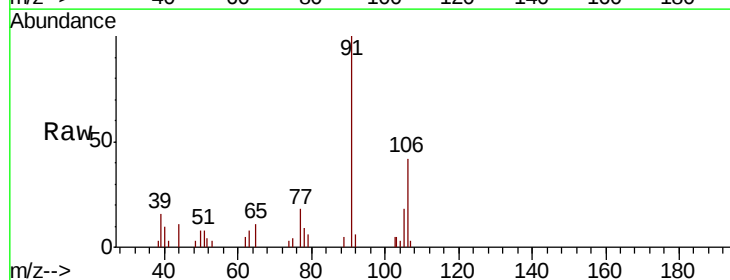
Acq: 29 Aug 2018 00:04

Tgt Ion:106 Resp: 4052

Ion Ratio Lower Upper

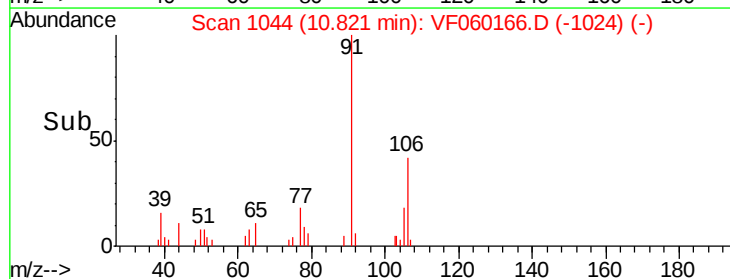
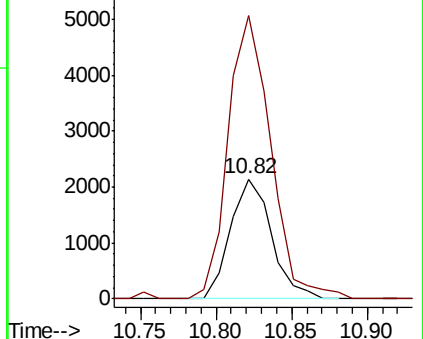
106 100

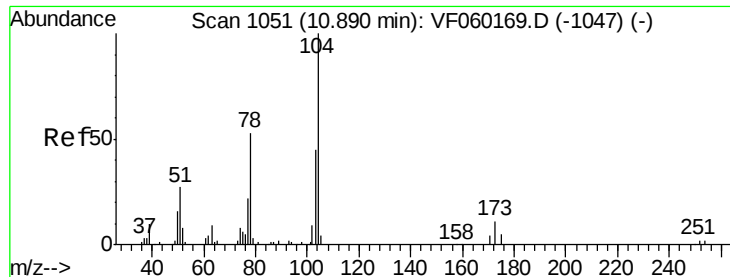
91 236.0 117.0 350.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





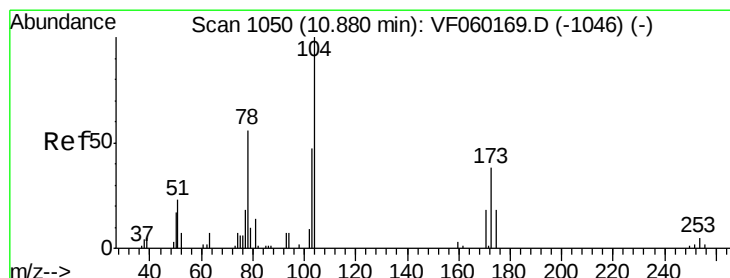
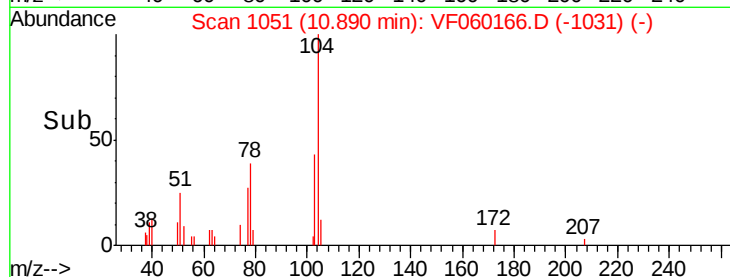
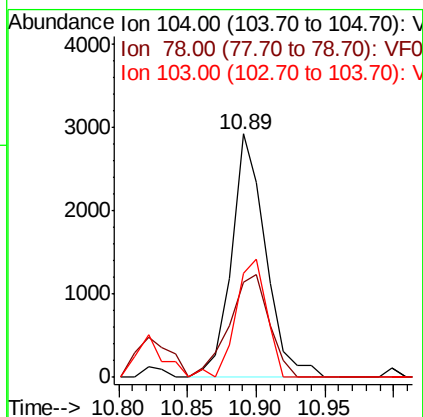
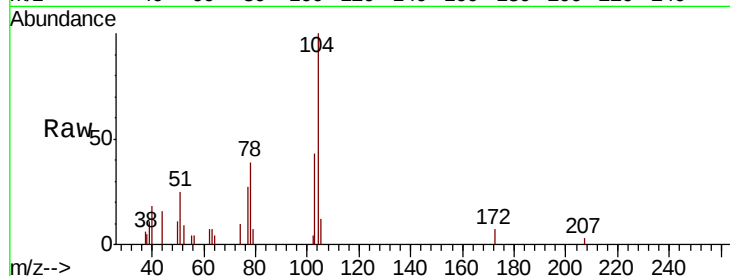
#70
Stvrene
Concen: 3.86 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	39.1	42.6	64.0#
103	42.7	36.8	55.2

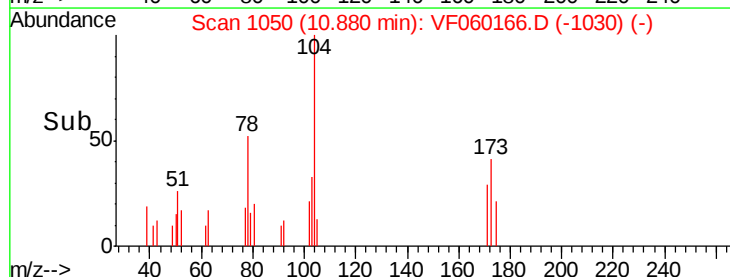
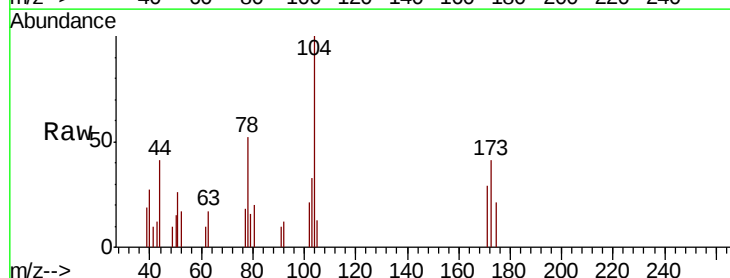
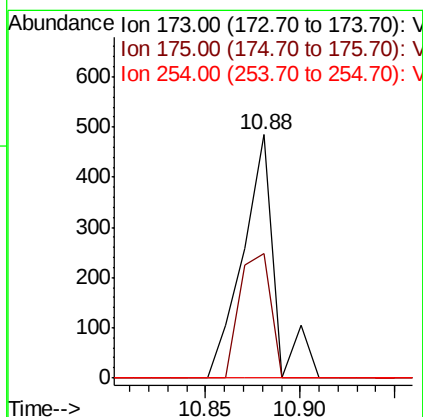
Manual Integrations
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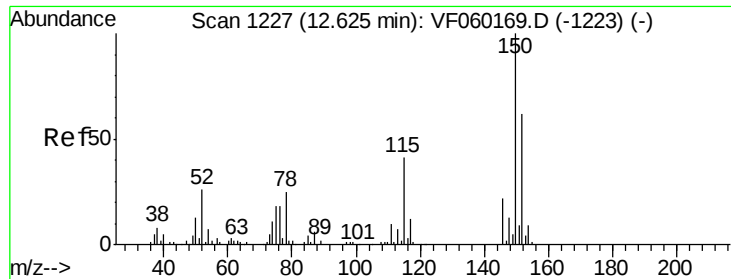
apatel
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#71
Bromoform
Concen: 1.81 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	23.8	71.2
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:152 Resp: 34716

Ion Ratio Lower Upper

152 100

115 59.0 33.2 99.6

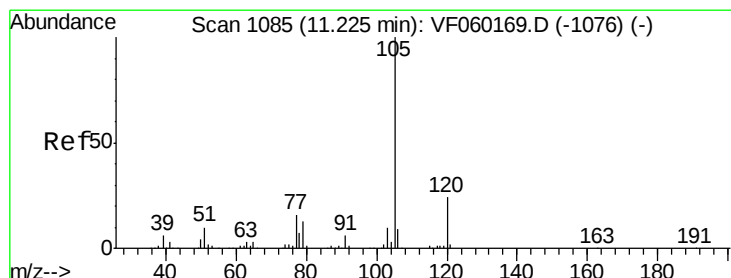
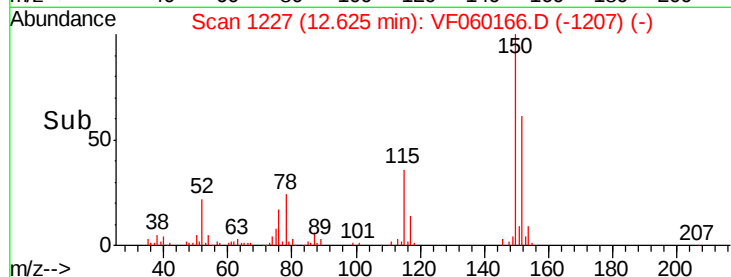
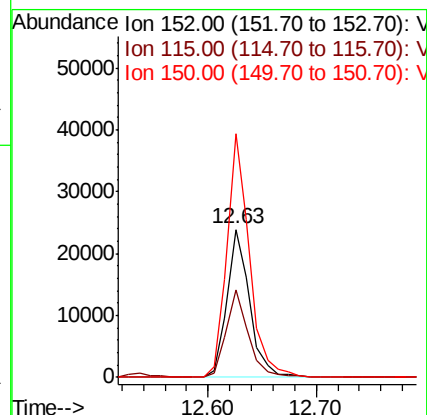
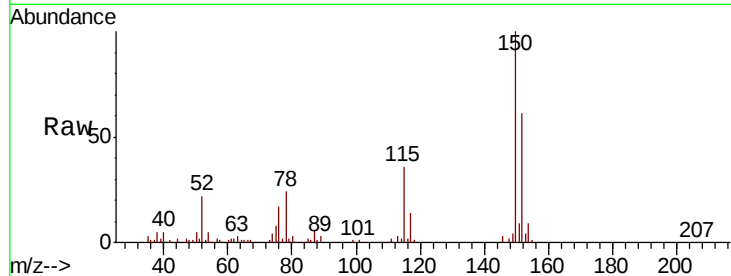
150 164.8 0.0 325.6

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#73

Isopropylbenzene

Concen: 7.03 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF060166.D

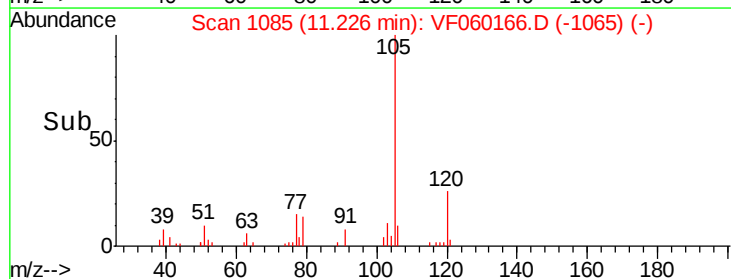
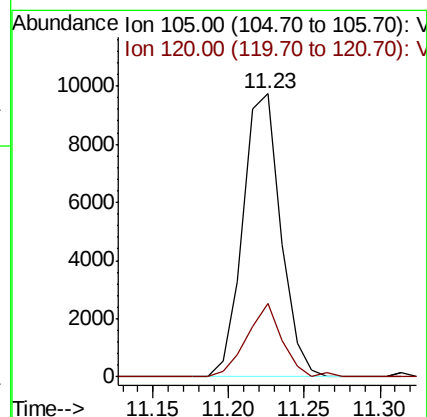
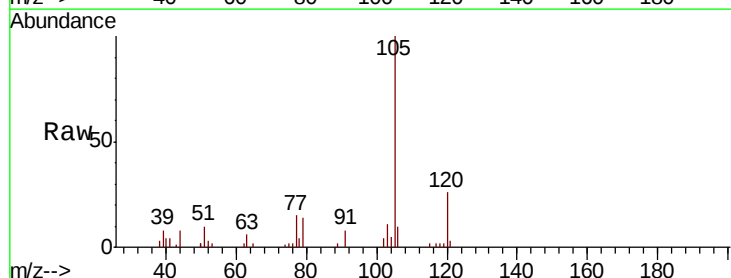
Acq: 29 Aug 2018 00:04

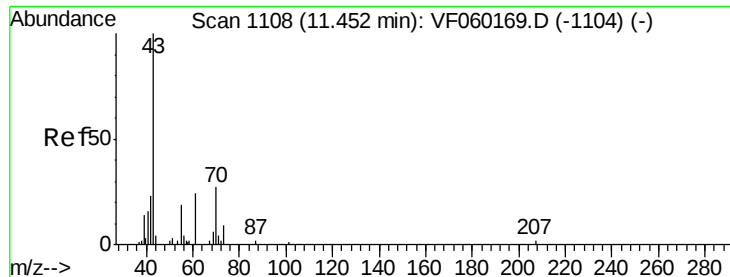
Tgt Ion:105 Resp: 16982

Ion Ratio Lower Upper

105 100

120 26.0 12.0 36.1





#74

N-amvl acetate

Concen: 2.27 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 1307

Ion Ratio Lower Upper

43 100

70 38.0 22.0 33.0#

55 36.3 15.2 22.8#

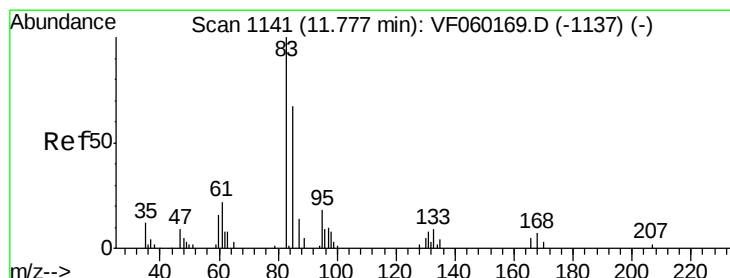
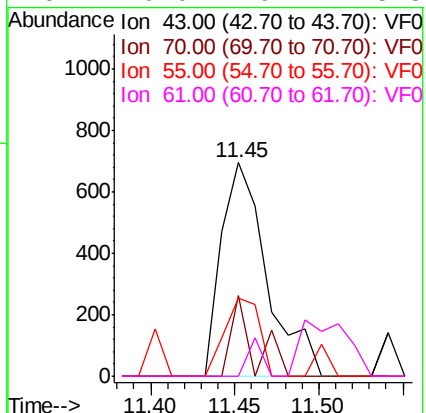
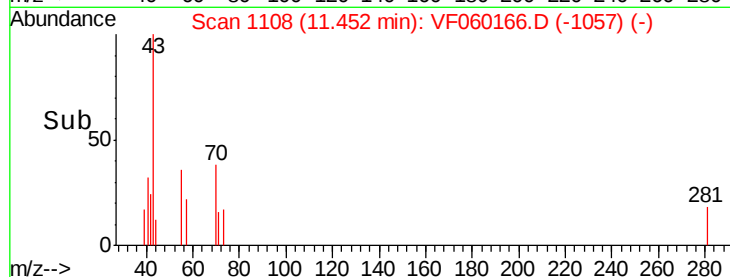
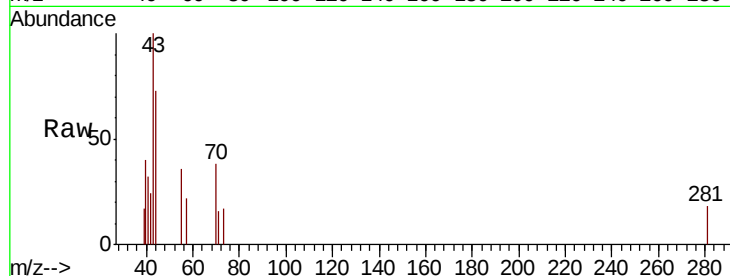
61 0.0 19.2 28.8#

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#75

1,1,2,2-Tetrachloroethane

Concen: 3.18 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

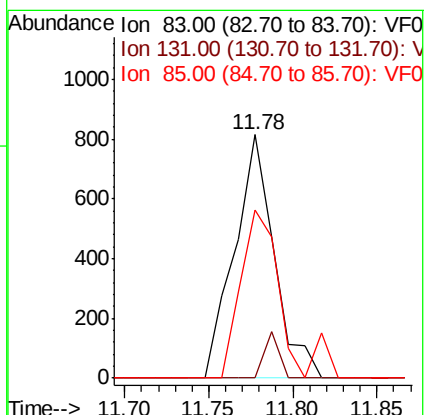
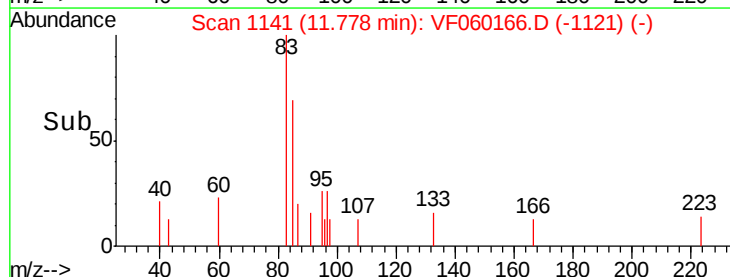
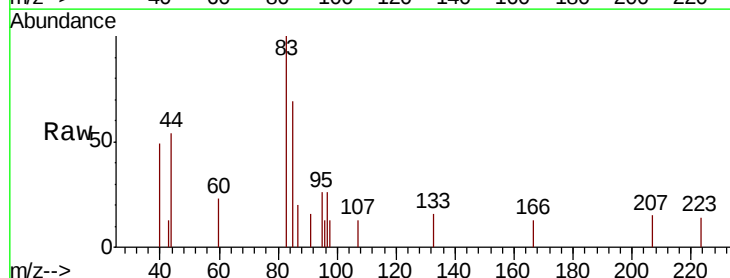
Tgt Ion: 83 Resp: 1328

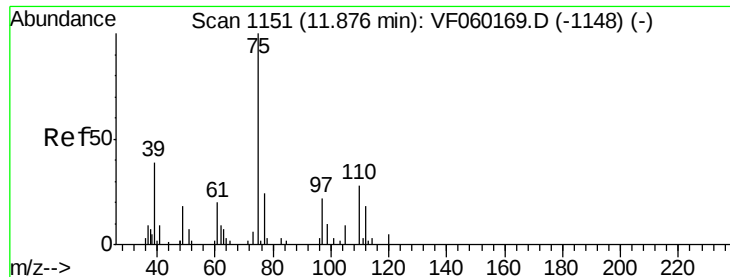
Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 69.1 34.9 104.7





#76

1,2,3-Trichloropropane

Concen: 3.00 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 995

Ion Ratio Lower Upper

75 100

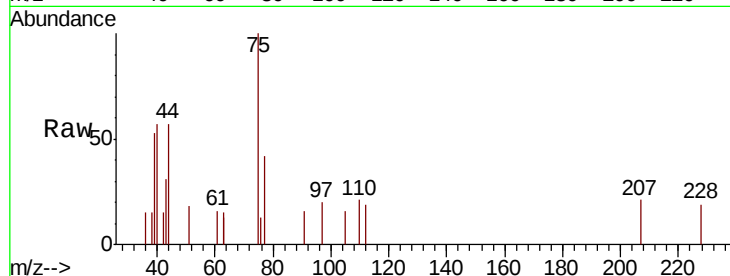
77 41.9 12.8 38.3#

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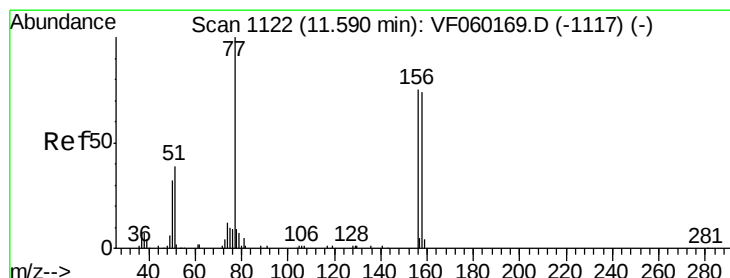
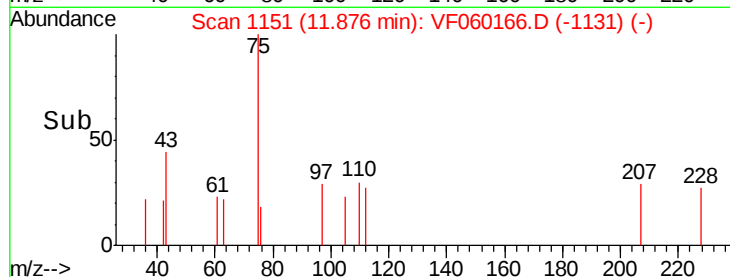
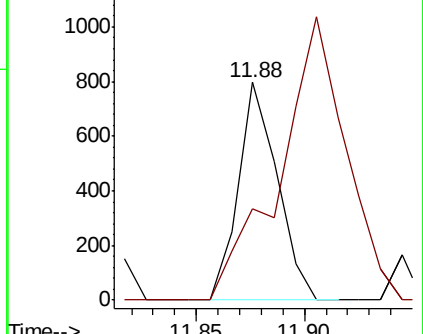
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 4.22 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

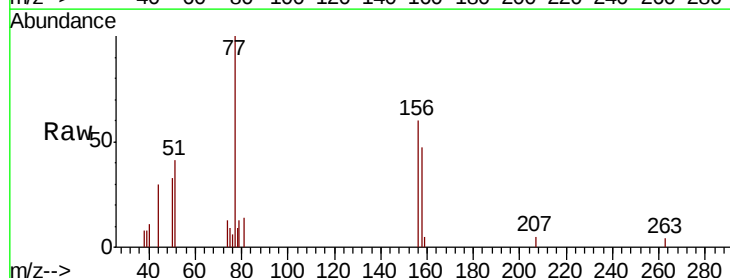
Tgt Ion: 156 Resp: 2387

Ion Ratio Lower Upper

156 100

77 167.6 66.8 200.6

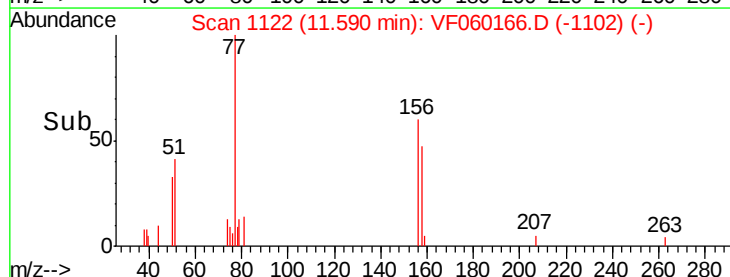
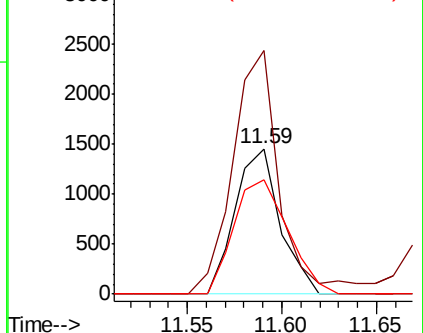
158 78.3 49.7 149.1

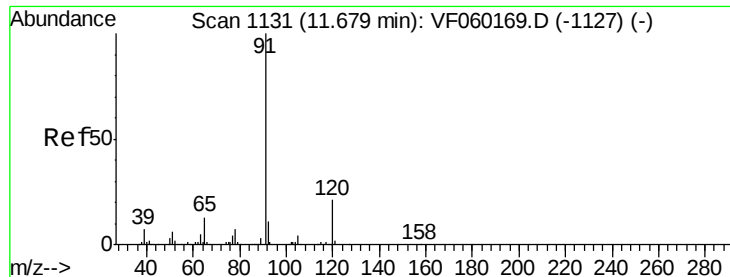


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V





#78

n-propylbenzene

Concen: 7.30 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 21554

Ion Ratio Lower Upper

91 100

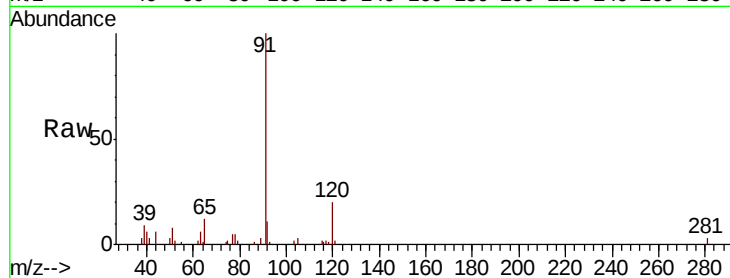
120 20.5 10.8 32.3

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

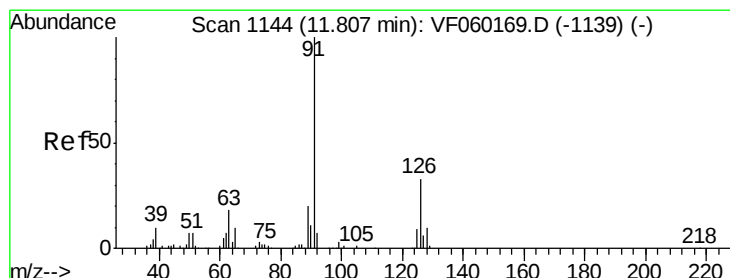
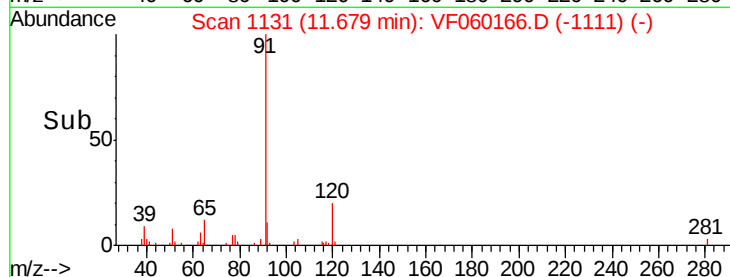
11.68

10000

5000

0

Time-->



#79

2-Chlorotoluene

Concen: 6.00 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060166.D

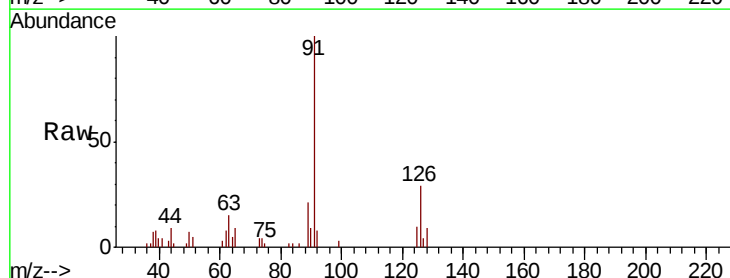
Acq: 29 Aug 2018 00:04

Tgt Ion: 91 Resp: 9798

Ion Ratio Lower Upper

91 100

126 28.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.81

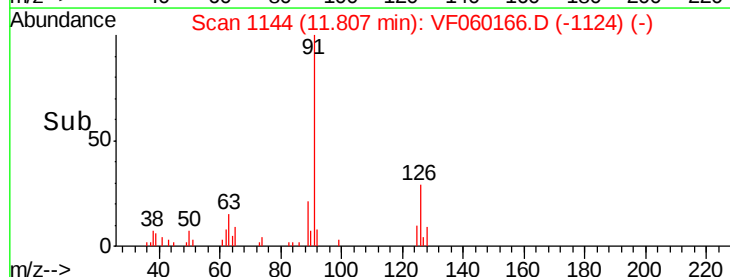
6000

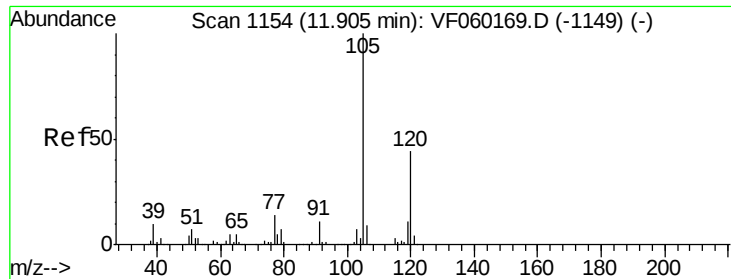
4000

2000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 6.24 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 12587

Ion Ratio Lower Upper

105 100

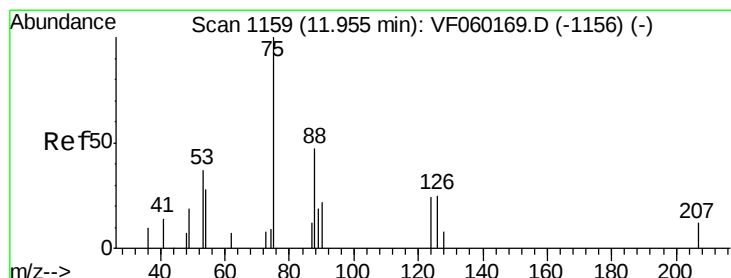
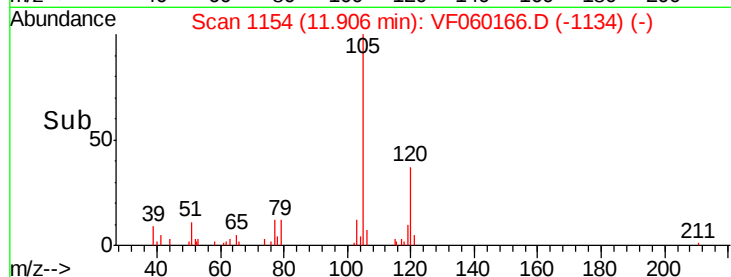
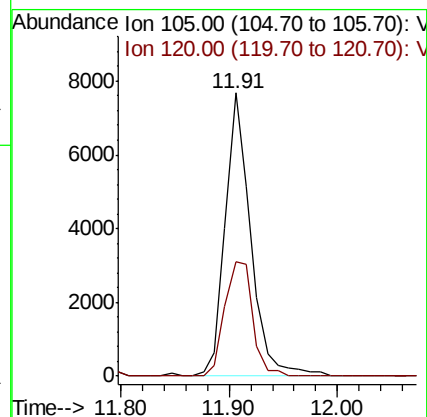
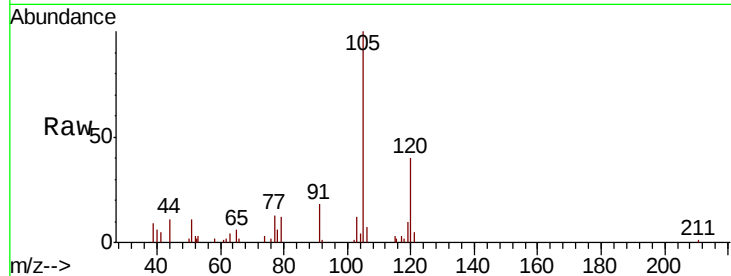
120 40.4 22.1 66.1

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#81

trans-1,4-Dichloro-2-butene

Concen: 1.62 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

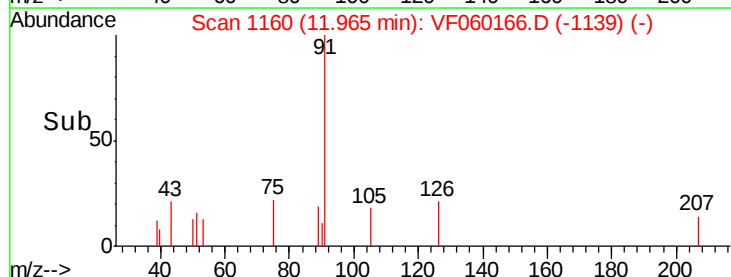
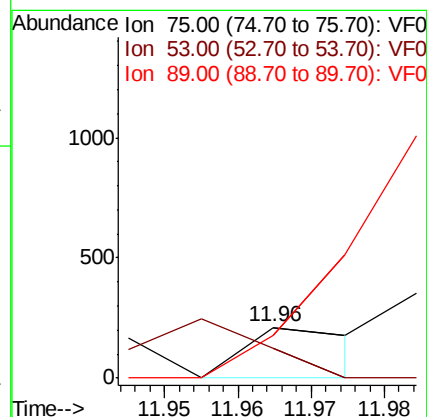
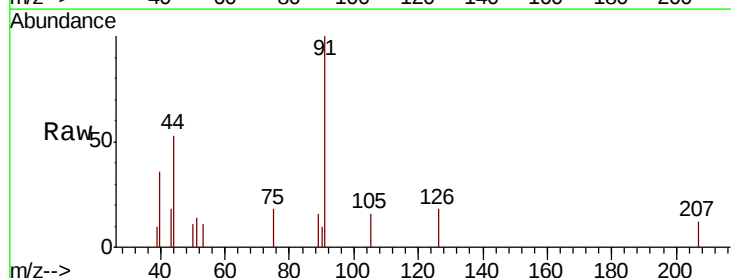
Tgt Ion: 75 Resp: 231

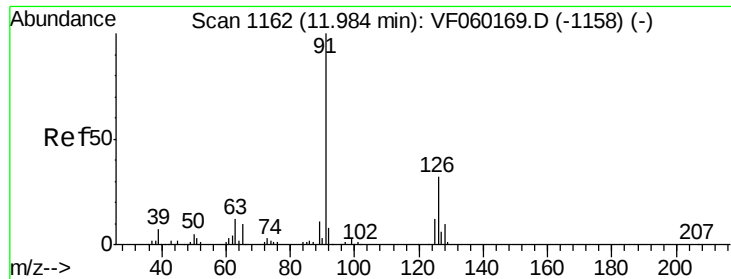
Ion Ratio Lower Upper

75 100

53 60.0 53.4 80.0

89 85.2 28.9 43.3#





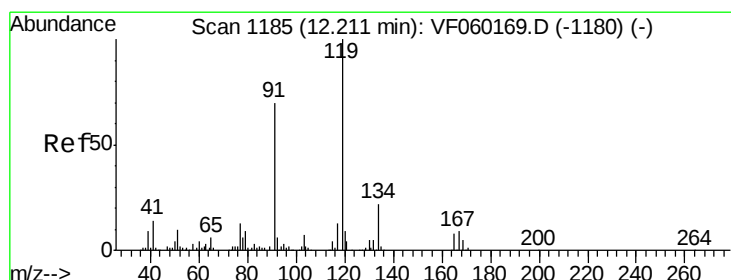
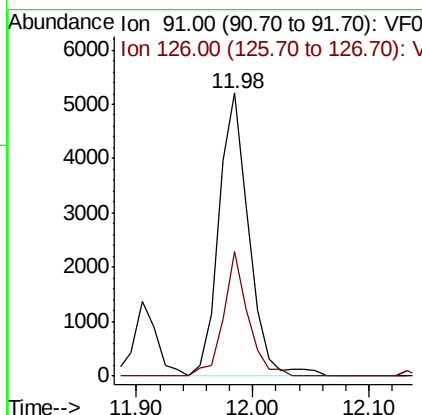
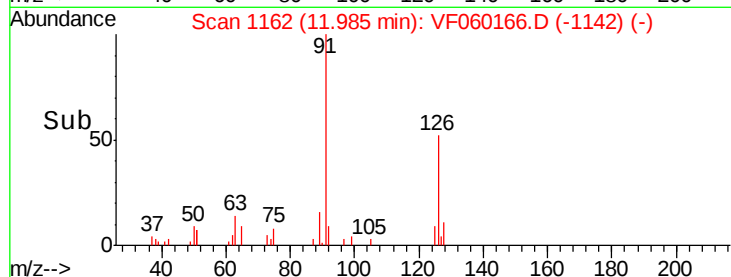
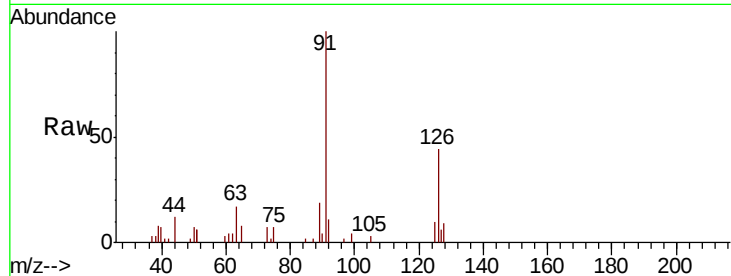
#82
4-Chlorotoluene
Concen: 5.36 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	43.9	16.1	48.2

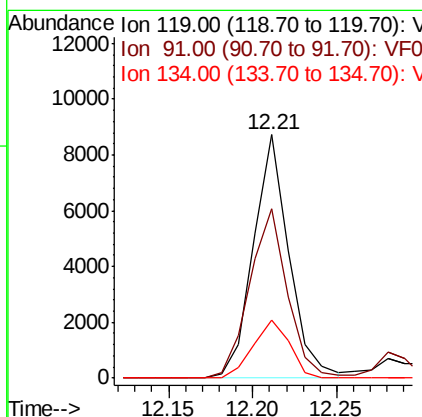
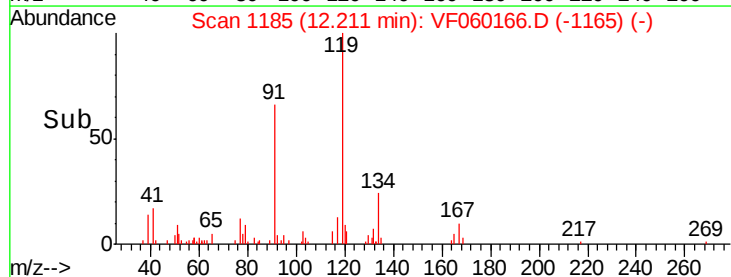
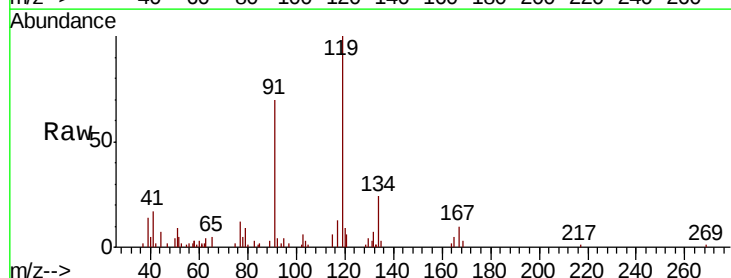
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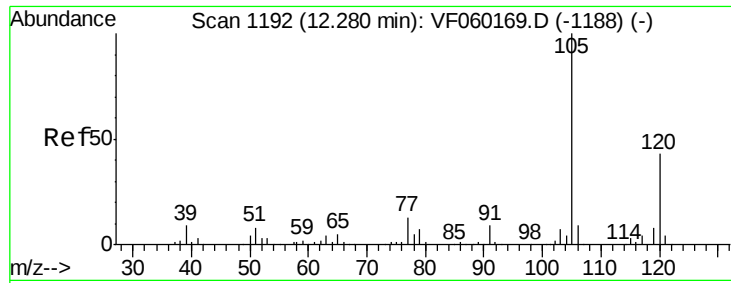
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#83
tert-Butylbenzene
Concen: 6.45 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
119	100		
91	69.6	35.3	105.7
134	23.6	11.2	33.5





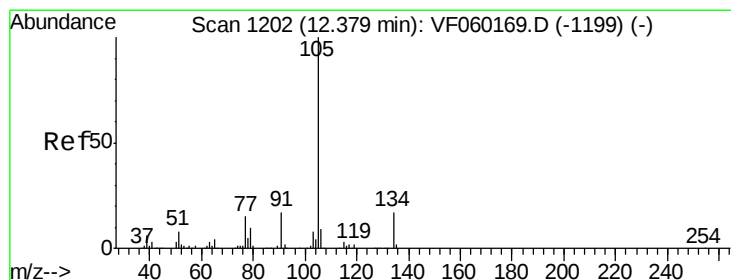
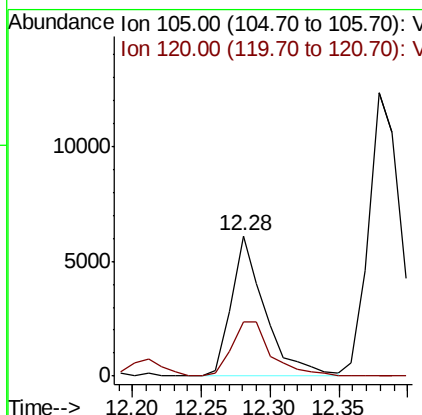
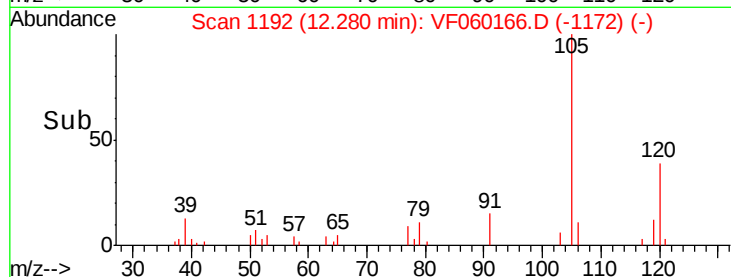
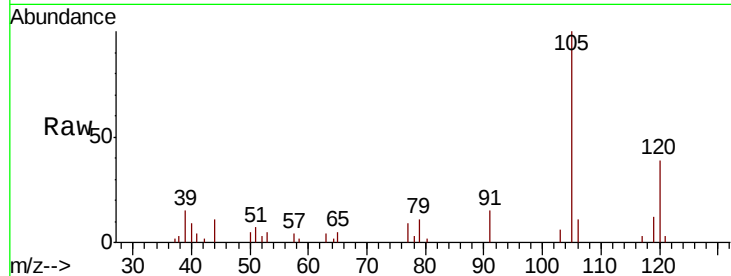
#84
1,2,4-Trimethylbenzene
Concen: 5.08 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	39.2	21.9	65.7

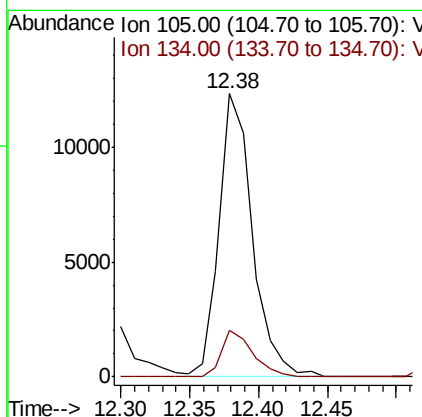
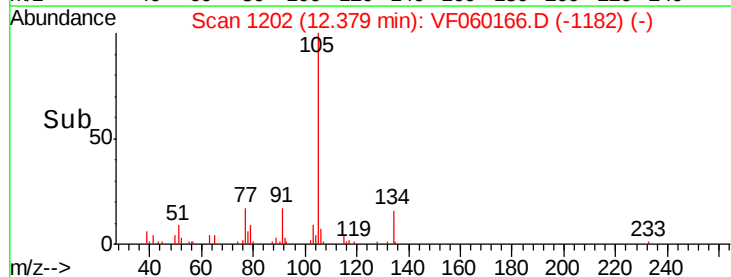
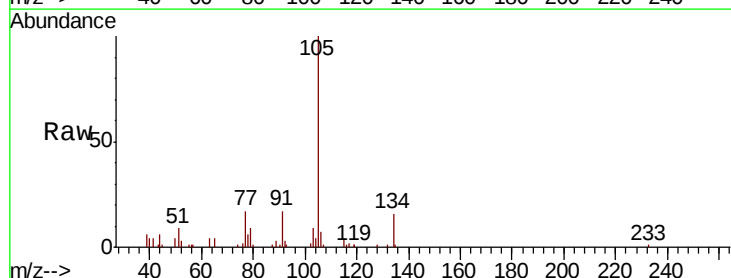
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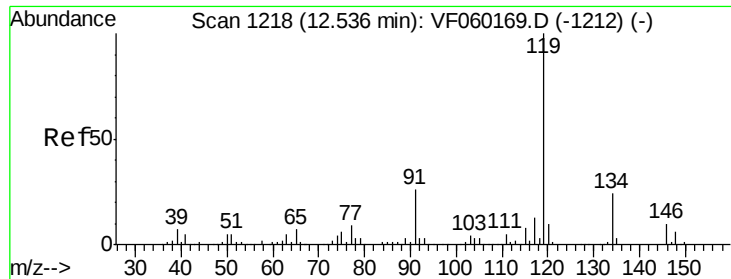
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#85
sec-Butylbenzene
Concen: 7.28 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
105	100		
134	16.4	8.4	25.2





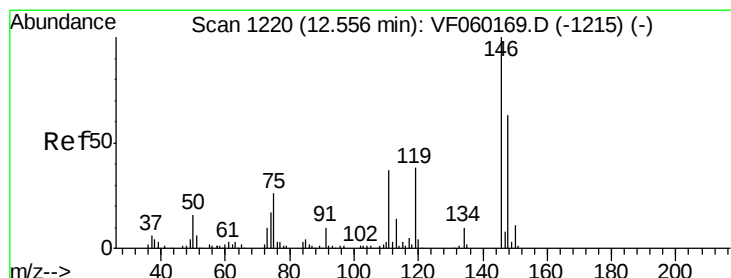
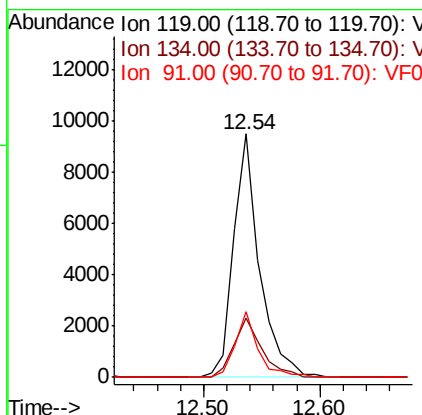
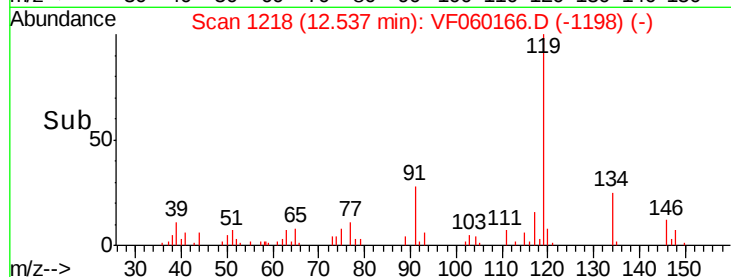
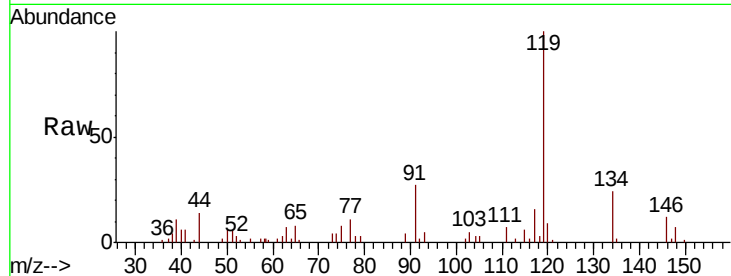
#86
 p-Isopropyltoluene
 Concen: 6.32 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.4	11.9	35.9
91	27.2	13.0	39.0

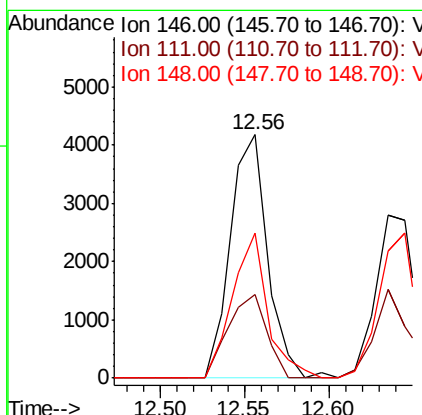
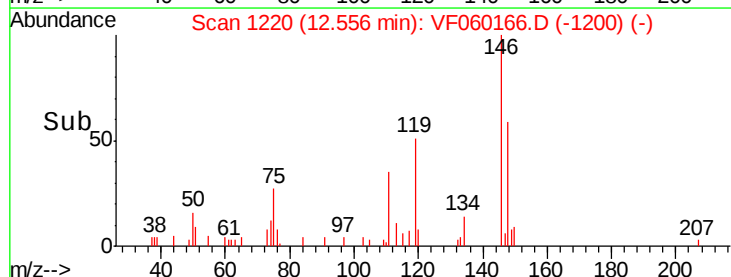
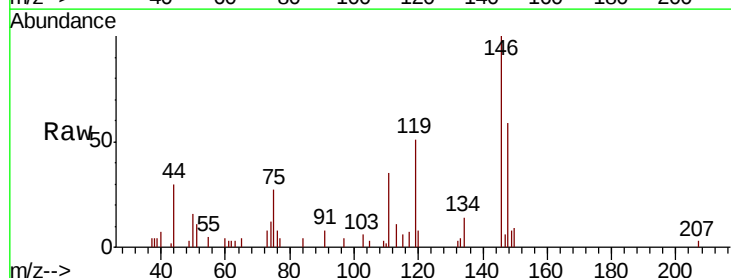
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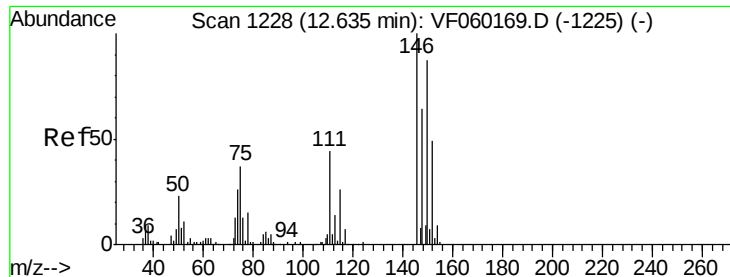
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#87
 1,3-Dichlorobenzene
 Concen: 5.98 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.8	56.3
148	59.4	31.6	94.8





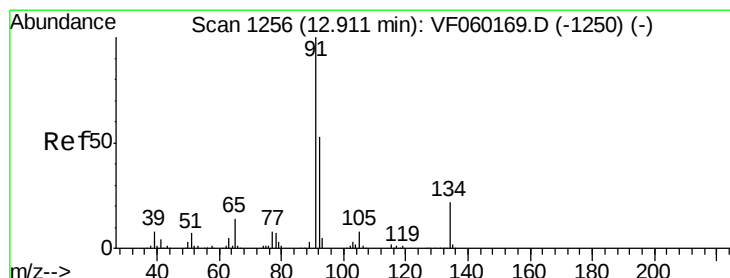
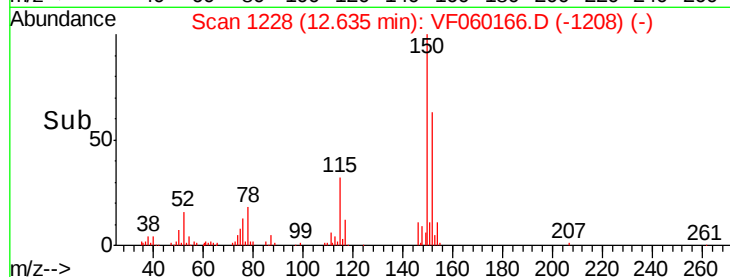
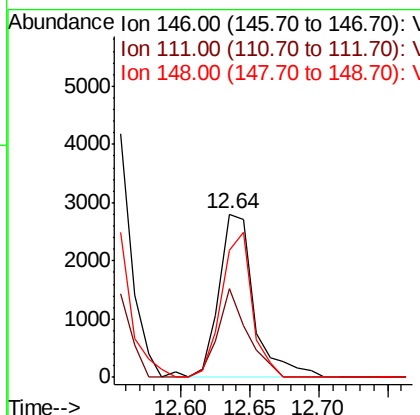
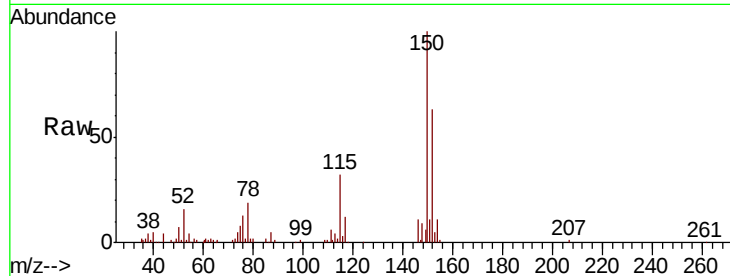
#88
 1,4-Dichlorobenzene
 Concen: 4.71 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.5	22.1	66.3
148	77.9	32.0	96.2

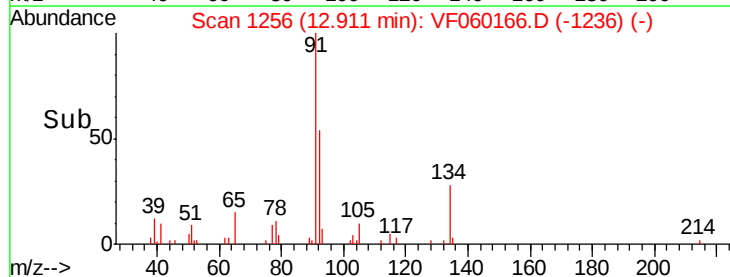
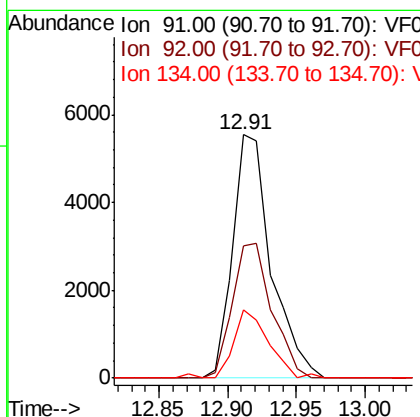
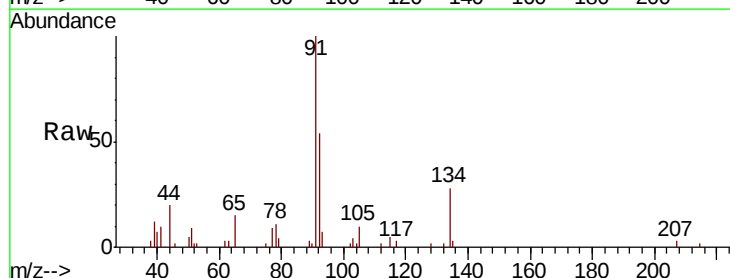
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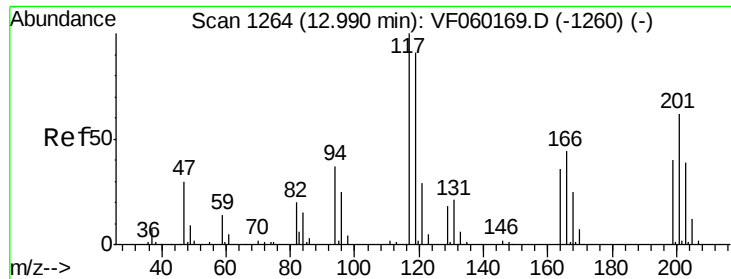
apatel
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#89
 n-Butylbenzene
 Concen: 4.98 ug/l
 RT: 12.91 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060166.D
 Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.0
134	28.0	11.0	33.0





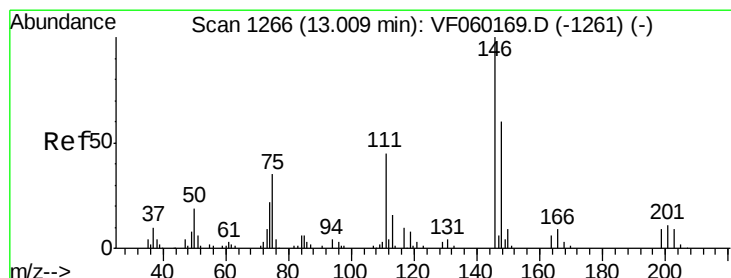
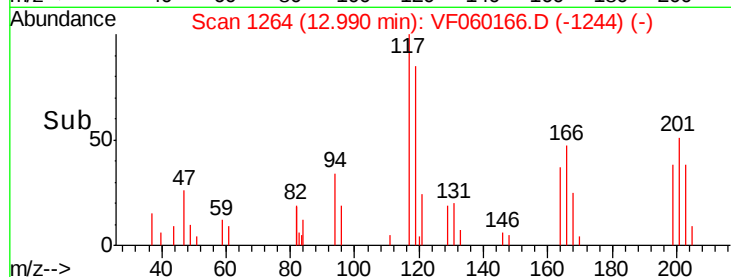
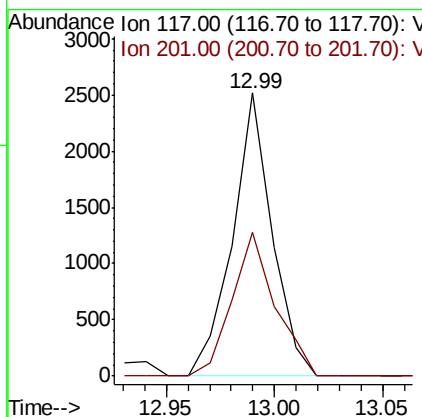
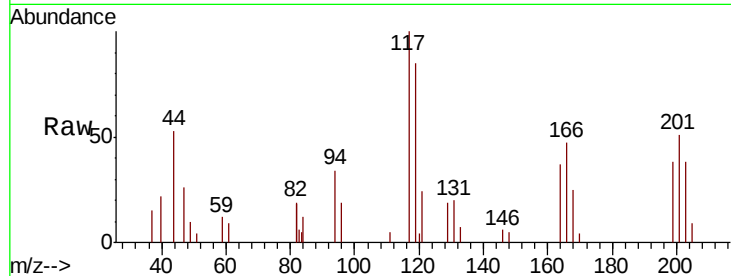
#90
Hexachloroethane
Concen: 6.27 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion:117 Resp: 3204
Ion Ratio Lower Upper
117 100
201 50.7 32.0 96.2

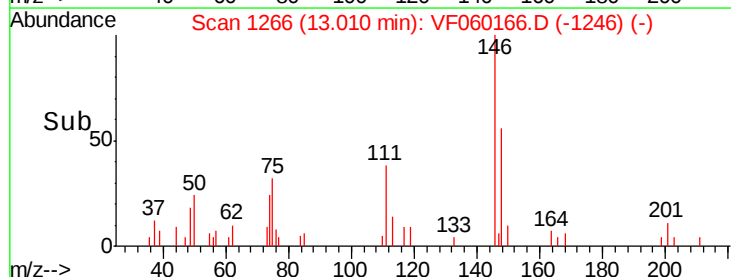
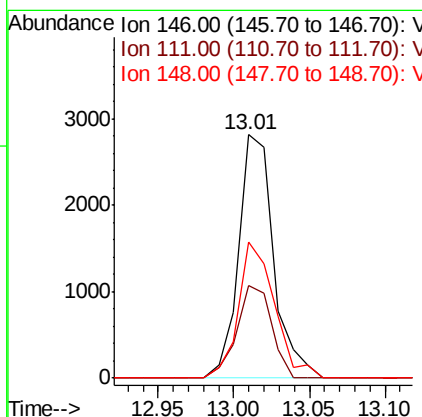
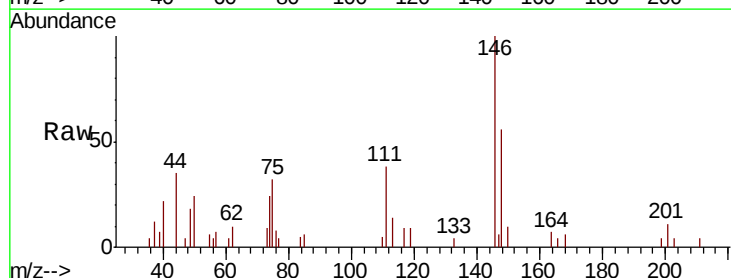
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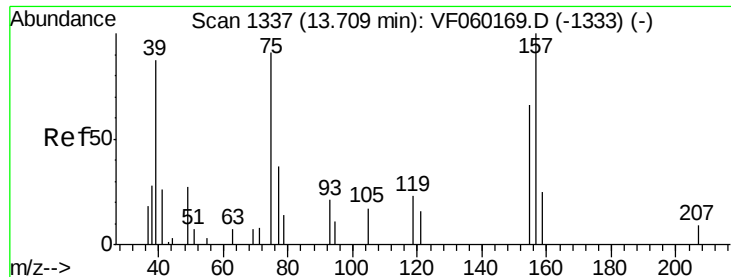
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#91
1,2-Dichlorobenzene
Concen: 4.56 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF060166.D
Acq: 29 Aug 2018 00:04

Tgt Ion:146 Resp: 4530
Ion Ratio Lower Upper
146 100
111 37.8 22.7 68.1
148 56.0 30.0 90.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.43 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

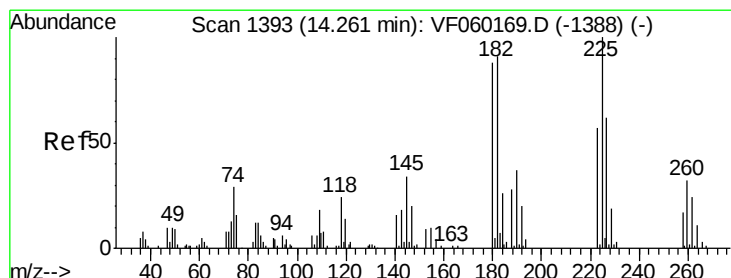
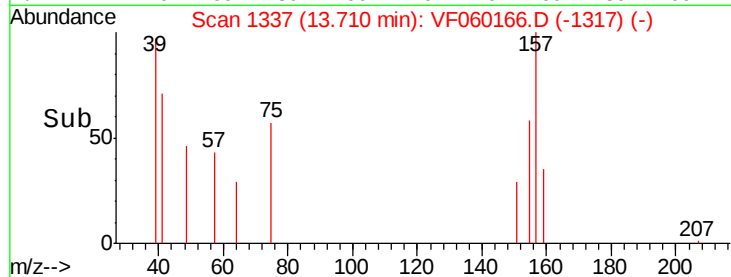
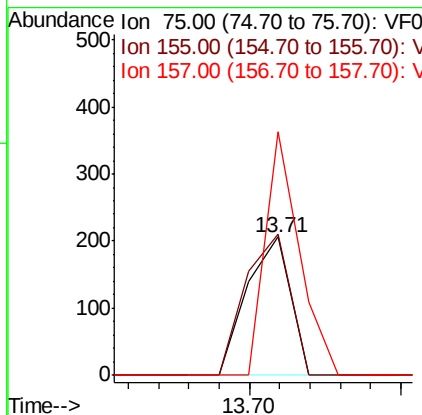
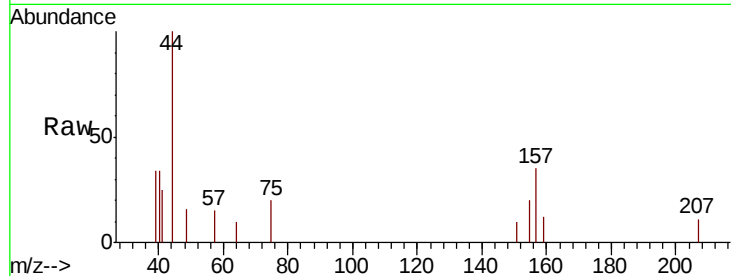
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
155	101.9	36.0	108.0
157	176.2	54.9	164.5

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#93

1,2,4-Trichlorobenzene

Concen: 2.08 ug/l

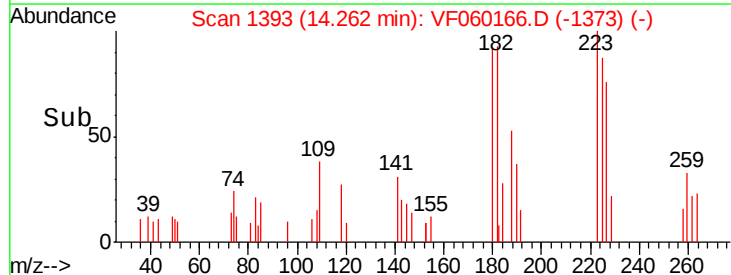
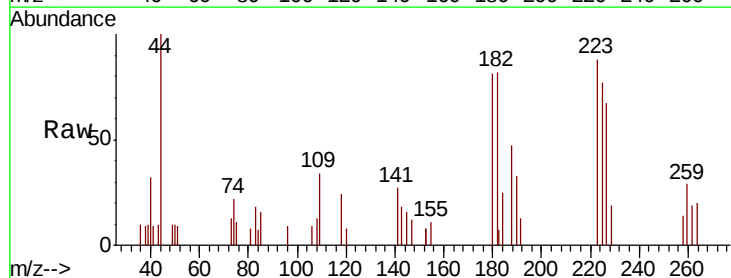
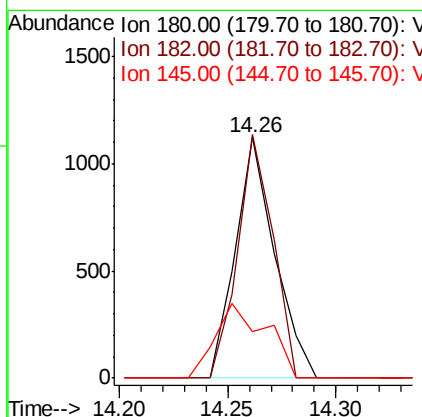
RT: 14.26 min Scan# 1393

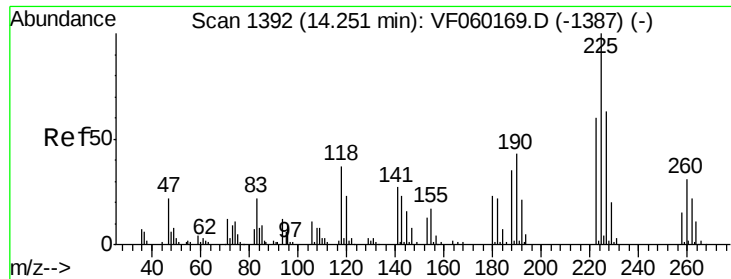
Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.2	51.8	155.5
145	19.1	19.3	57.9





#94

Hexachlorobutadiene

Concen: 7.11 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Instrument :

MSVOA_F

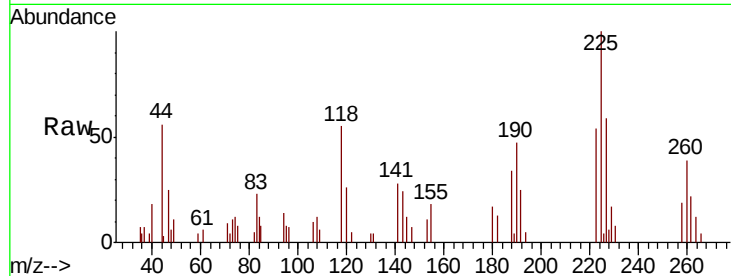
ClientSampleId :

VSTDIC005

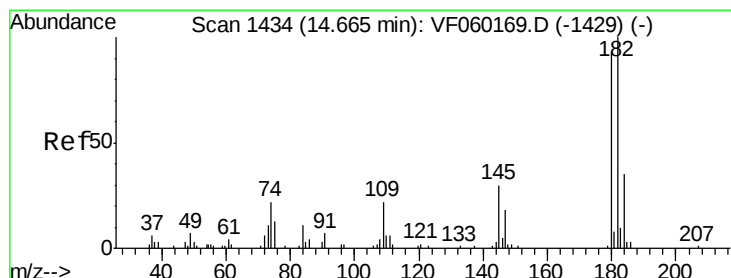
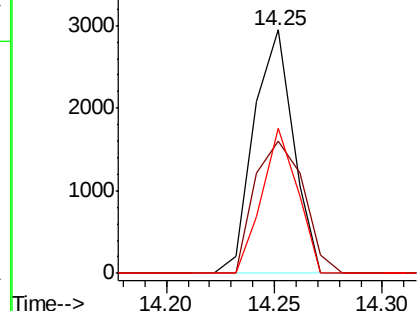
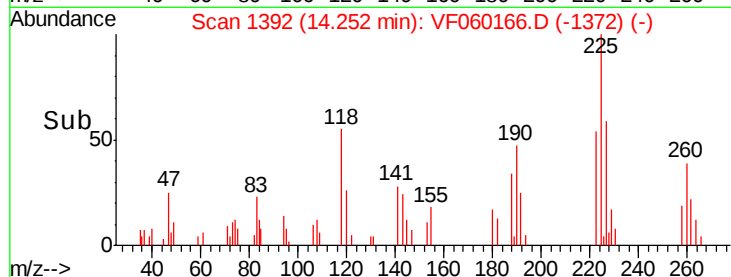
Tot Ion:	225	Resp:	3730
Ion Ratio	Lower	Upper	
225	100		
223	54.2	30.0	90.0
227	59.4	31.4	94.2

Manual Integrations
APPROVED

apatel
8/29/2018 2:01:21 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 1.94 ug/l

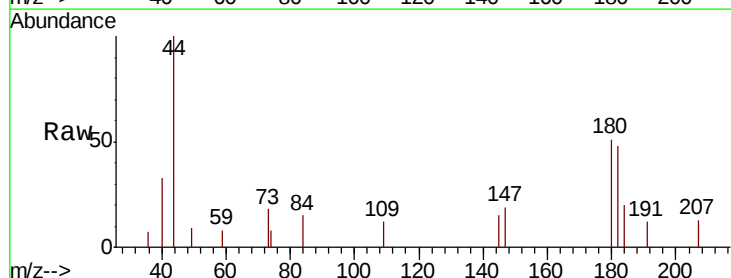
RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF060166.D

Acq: 29 Aug 2018 00:04

Tgt Ion:	180	Resp:	1239
Ion Ratio	Lower	Upper	
180	100		
182	93.7	53.6	160.8
145	29.0	16.2	48.6



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

