

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061404.D
 Acq On : 15 Jan 2019 13:32
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 1/16/2019 4:05:24 PM

Quant Time: Jan 16 03:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197170	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	348723	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	314442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	174979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	11571	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
35) Dibromofluoromethane	4.10	113	13751	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	7.54	98	40027	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
62) 4-Bromofluorobenzene	11.40	95	19499	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.95	85	18895	4.836	ug/l	88
3) Chloromethane	1.08	50	16177	5.461	ug/l	96
4) Vinyl Chloride	1.13	62	13672	5.240	ug/l	100
5) Bromomethane	1.31	94	7374	4.127	ug/l	82
6) Chloroethane	1.37	64	5319	4.512	ug/l #	85
7) Trichlorofluoromethane	1.47	101	26852	5.169	ug/l	94
8) Diethyl Ether	1.62	74	3502	5.376	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	12869	5.301	ug/l #	82
10) Methyl Iodide	1.89	142	18725m	4.978	ug/l	
11) Tert butyl alcohol	2.56	59	2716	25.964	ug/l #	67
12) 1,1-Dichloroethene	1.78	96	9171	5.085	ug/l	93
13) Acrolein	2.00	56	2585	26.566	ug/l	99
14) Allyl chloride	2.09	41	13811	4.257	ug/l	98
15) Acrylonitrile	2.93	53	7717	28.300	ug/l #	93
16) Acetone	2.23	43	14305	27.544	ug/l #	87
17) Carbon Disulfide	1.79	76	27700m	4.924	ug/l	
18) Methyl Acetate	2.34	43	5561m	4.538	ug/l	
19) Methyl tert-butyl Ether	2.42	73	19622	4.882	ug/l	94
20) Methylene Chloride	2.17	84	13099m	6.413	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	10360	5.171	ug/l	93
22) Diisopropyl ether	2.79	45	31734	5.030	ug/l	92
23) Vinyl Acetate	3.17	43	56508	23.541	ug/l	98
24) 1,1-Dichloroethane	2.87	63	19476	4.848	ug/l	99
25) 2-Butanone	4.33	43	22907	27.692	ug/l #	89
26) 2,2-Dichloropropane	3.59	77	13658	5.277	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	13545	4.680	ug/l	95
28) Bromochloromethane	3.70	49	9647	5.158	ug/l #	66
29) Tetrahydrofuran	4.06	42	9521	26.161	ug/l	95
30) Chloroform	3.84	83	26920	4.965	ug/l	97
31) Cyclohexane	3.68	56	20267	4.943	ug/l #	84
32) 1,1,1-Trichloroethane	4.08	97	19731	4.785	ug/l	89
36) 1,1-Dichloropropene	4.26	75	19801	4.788	ug/l	91
37) Ethyl Acetate	4.10	43	8774	5.225	ug/l #	92
38) Carbon Tetrachloride	3.98	117	18417	4.111	ug/l	95

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 ALS Vial : 23 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	22807	4.995	ug/l #	94
40) Benzene	4.61	78	50059	5.338	ug/l	97
41) Methacrylonitrile	4.73	41	4403	4.978	ug/l	95
42) 1,2-Dichloroethane	4.93	62	15873	4.883	ug/l	96
43) Isopropyl Acetate	6.95	43	10294	5.127	ug/l #	97
44) Trichloroethene	5.49	130	15468	5.369	ug/l	99
45) 1,2-Dichloropropane	6.22	63	11299	4.700	ug/l	97
46) Dibromomethane	6.07	93	7508	4.764	ug/l	88
47) Bromodichloromethane	6.38	83	19007	4.929	ug/l	100
48) Methyl methacrylate	6.69	41	6581	4.855	ug/l	91
49) 1,4-Dioxane	6.70	88	1087	107.367	ug/l #	81
51) 4-Methyl-2-Pentanone	8.24	43	40863	25.988	ug/l	98
52) Toluene	7.61	92	32580	5.232	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	15952	5.127	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	18885	4.826	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	7963	4.705	ug/l #	85
56) Ethyl methacrylate	8.61	69	9806	5.056	ug/l	97
57) 1,3-Dichloropropane	8.85	76	15951	5.081	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.28	63	2903	22.124	ug/l #	83
59) 2-Hexanone	9.49	43	26669	24.367	ug/l	94
60) Dibromochloromethane	8.70	129	10751	4.469	ug/l	98
61) 1,2-Dibromoethane	8.97	107	9341	4.824	ug/l	91
64) Tetrachloroethene	8.13	164	12622	5.270	ug/l #	83
65) Chlorobenzene	9.78	112	35954	5.396	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	13232	5.073	ug/l	87
67) Ethyl Benzene	9.88	91	66946	5.426	ug/l	94
68) m/p-Xylenes	10.12	106	48987	11.005	ug/l	96
69) o-Xylene	10.70	106	24616	5.178	ug/l	94
70) Styrene	10.78	104	33620	5.095	ug/l	97
71) Bromoform	10.76	173	6071	5.401	ug/l	95
73) Isopropylbenzene	11.11	105	80164	5.246	ug/l	98
74) N-amyl acetate	11.36	43	16259	4.632	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	13614	5.122	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	10188	5.333	ug/l	93
77) Bromobenzene	11.49	156	15865	5.086	ug/l	96
78) n-propylbenzene	11.59	91	101681	5.462	ug/l	98
79) 2-Chlorotoluene	11.71	91	58487	5.528	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	64745	5.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	4101m	4.068	ug/l	
82) 4-Chlorotoluene	11.89	91	56401	5.382	ug/l	98
83) tert-Butylbenzene	12.12	119	66109	5.212	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	67907	5.381	ug/l	94
85) sec-Butylbenzene	12.30	105	91729	5.317	ug/l	97
86) p-Isopropyltoluene	12.46	119	76476	5.325	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	36940	5.761	ug/l	91
88) 1,4-Dichlorobenzene	12.55	146	30485	5.189	ug/l	95
89) n-Butylbenzene	12.84	91	77712	5.235	ug/l	99
90) Hexachloroethane	12.91	117	15953	5.032	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	31152	5.213	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	1930	4.284	ug/l	53

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MSVOA_F
ClientSampleId :
VSTDICC005

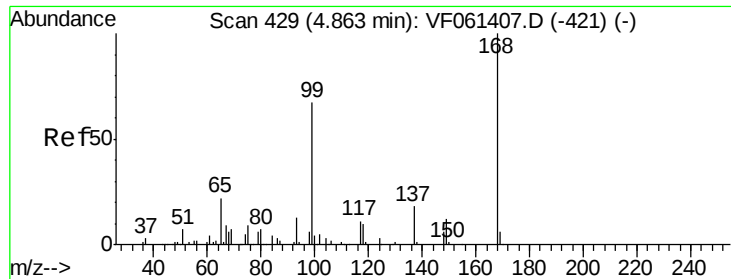
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	21473	5.149	ug/l	97
94) Hexachlorobutadiene	14.18	225	12752	5.050	ug/l	99
95) Naphthalene	14.45	128	34143	4.599	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	18131	4.840	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 197170

Ion Ratio Lower Upper

168 100

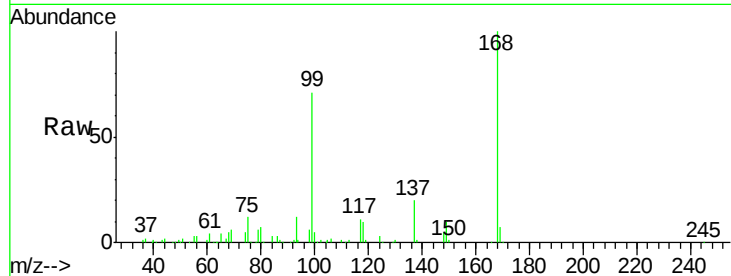
99 71.2 53.5 80.3

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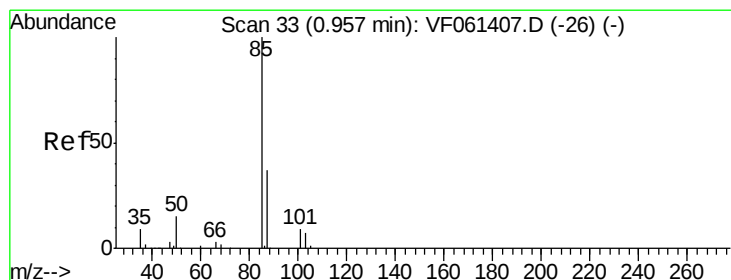
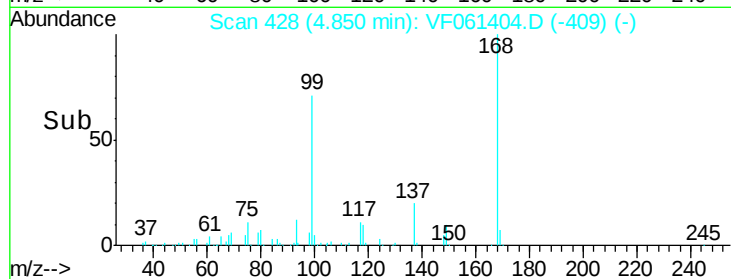
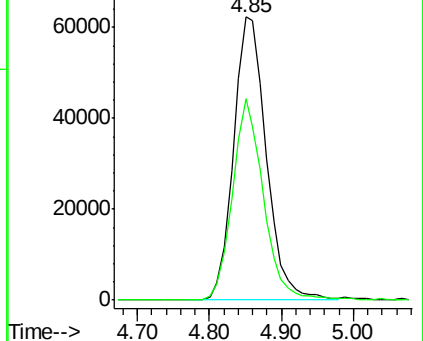
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.836 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061404.D

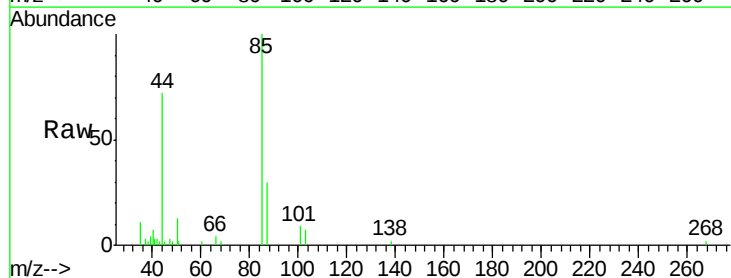
Acq: 15 Jan 2019 13:32

Tgt Ion: 85 Resp: 18895

Ion Ratio Lower Upper

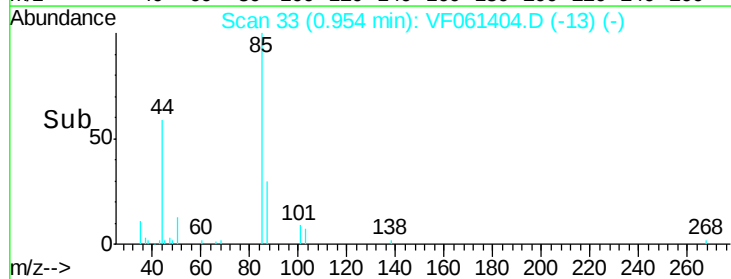
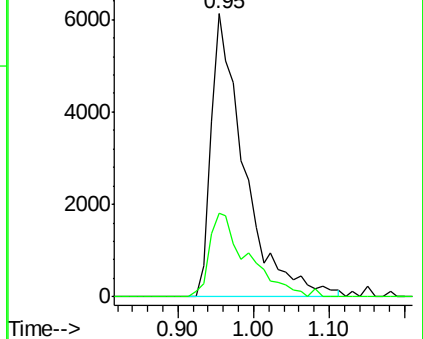
85 100

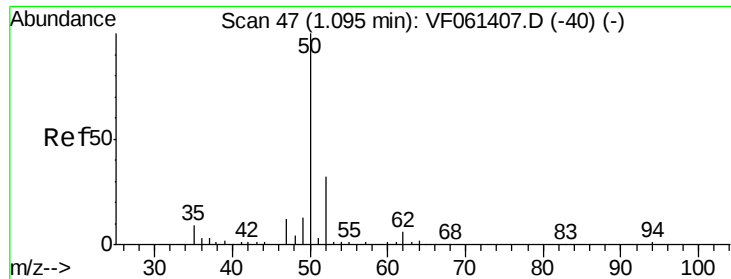
87 29.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.461 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16177

Ion Ratio Lower Upper

50 100

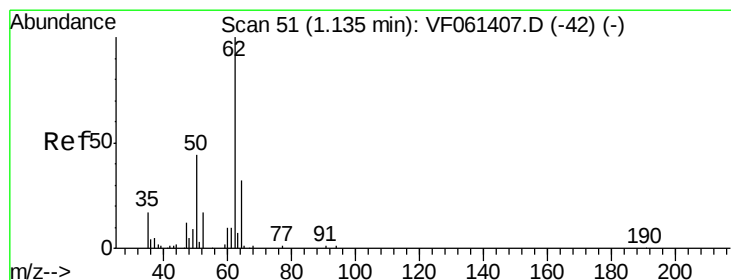
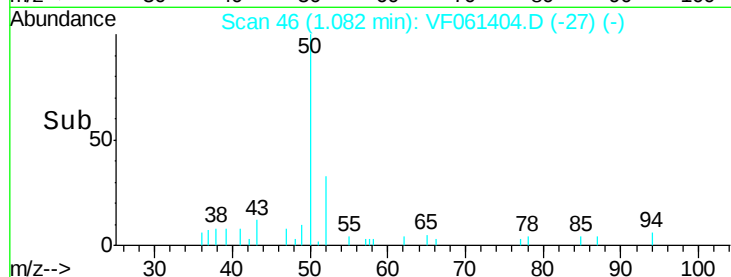
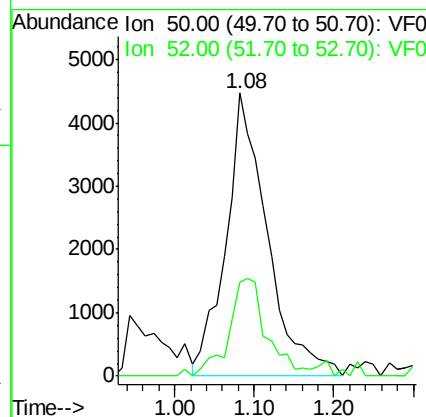
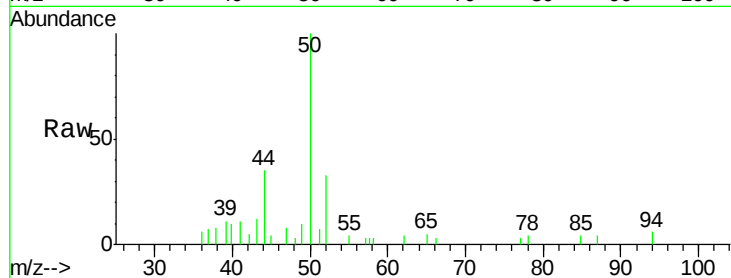
52 33.0 24.6 36.8

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#4

Vinyl Chloride

Concen: 5.240 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061404.D

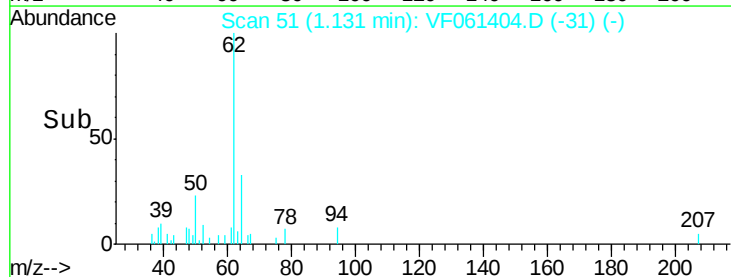
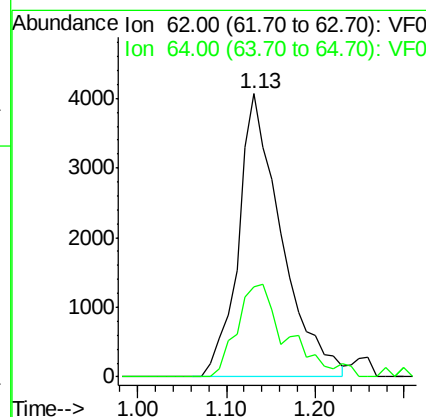
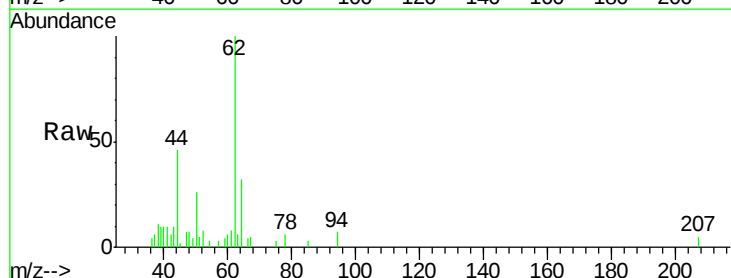
Acq: 15 Jan 2019 13:32

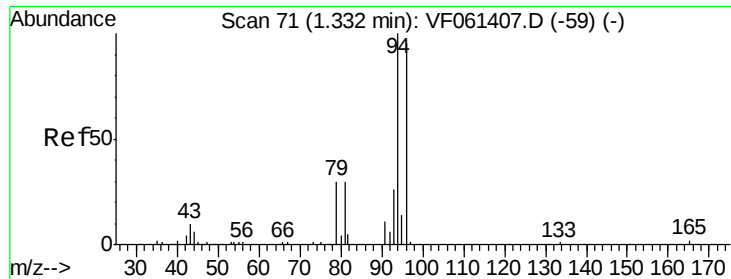
Tgt Ion: 62 Resp: 13672

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 4.127 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7374

Ion Ratio Lower Upper

94 100

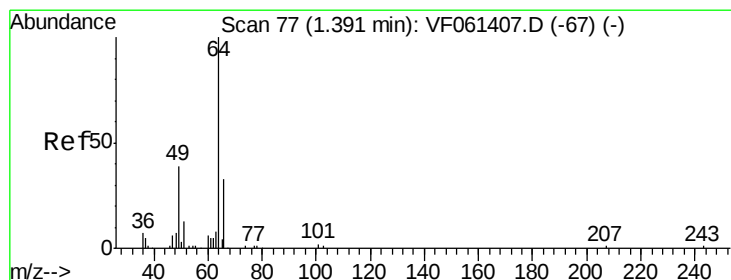
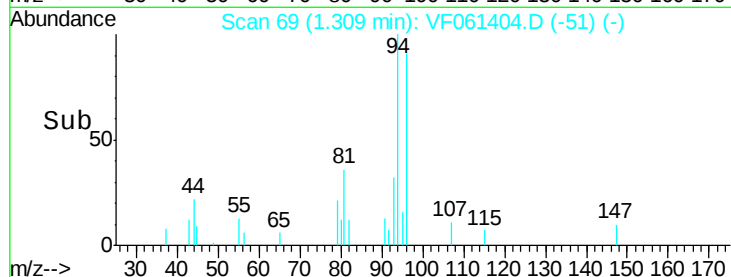
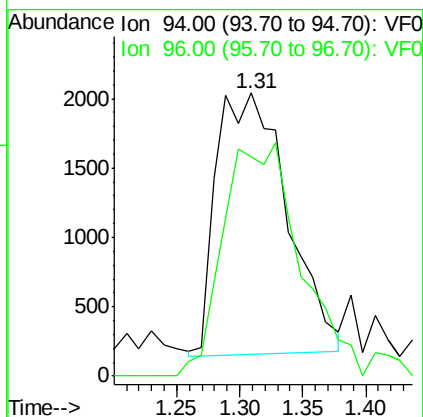
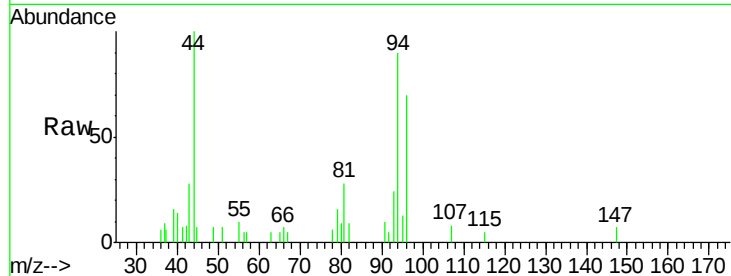
96 77.5 76.0 114.0

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#6

Chloroethane

Concen: 4.512 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061404.D

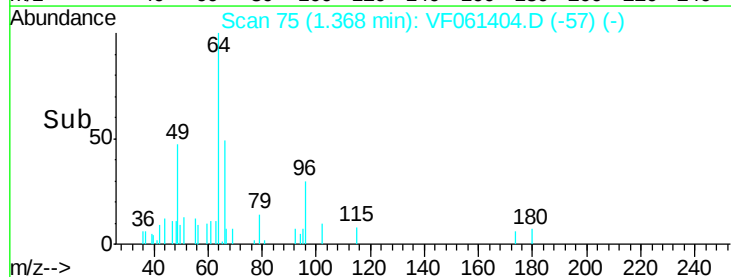
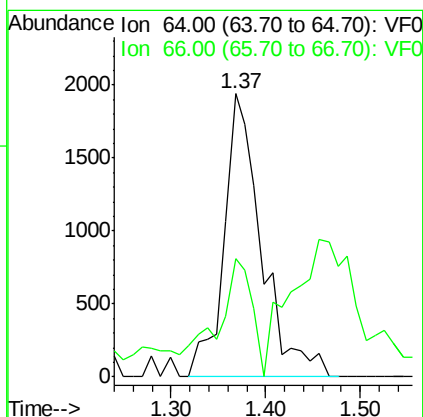
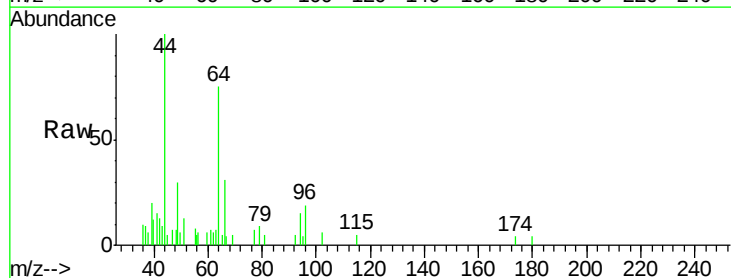
Acq: 15 Jan 2019 13:32

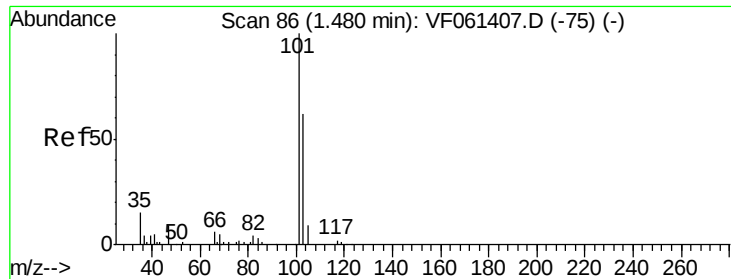
Tgt Ion: 64 Resp: 5319

Ion Ratio Lower Upper

64 100

66 41.8 26.6 40.0#





#7

Trichlorofluoromethane

Concen: 5.169 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 26852

Ion Ratio Lower Upper

101 100

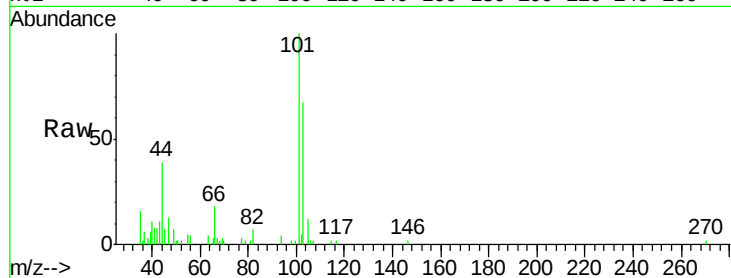
103 66.8 49.7 74.5

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

6000

5000

4000

3000

2000

1000

0

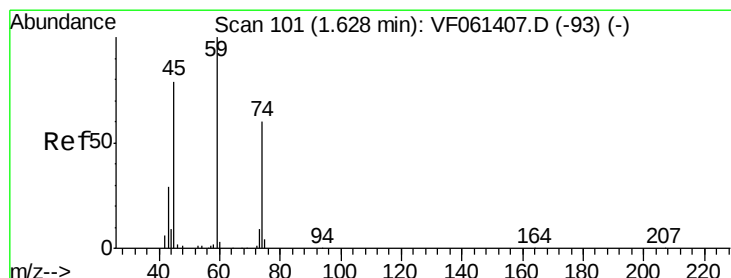
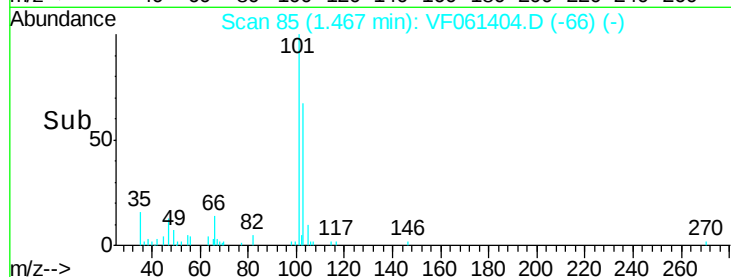
Time-->

1.30

1.40

1.50

1.60



#8

Diethyl Ether

Concen: 5.376 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061404.D

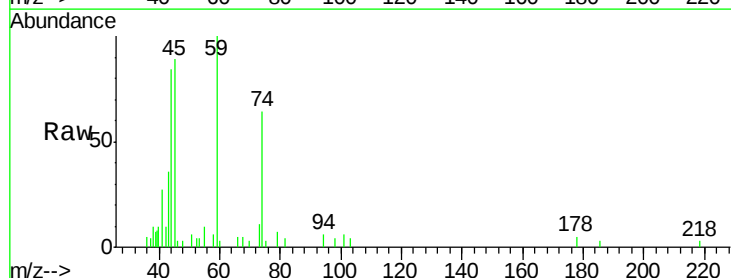
Acq: 15 Jan 2019 13:32

Tgt Ion: 74 Resp: 3502

Ion Ratio Lower Upper

74 100

45 140.1 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

3000

2500

2000

1500

1000

500

0

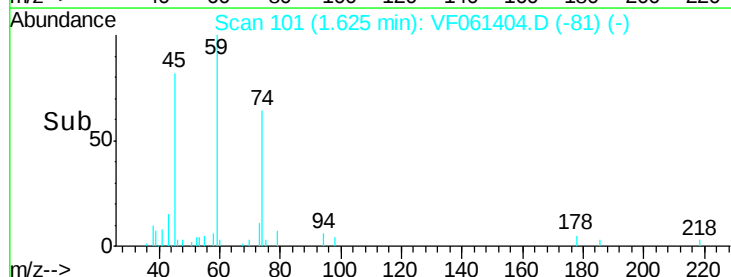
Time-->

1.55

1.60

1.65

1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.301 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

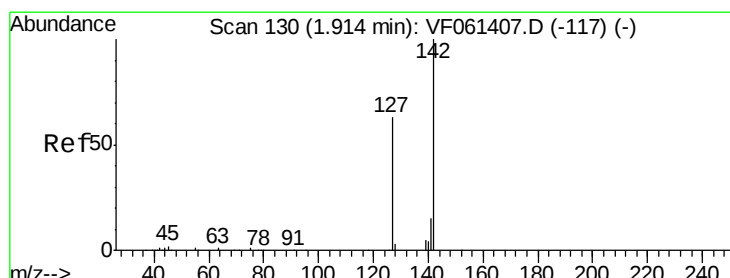
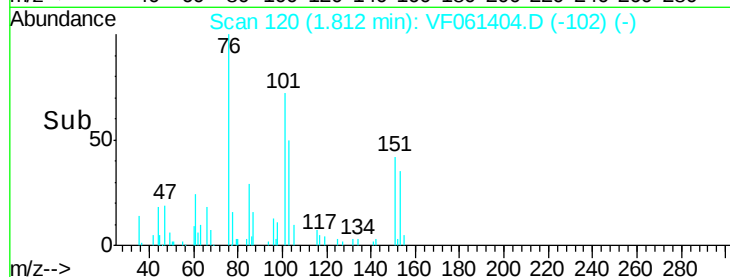
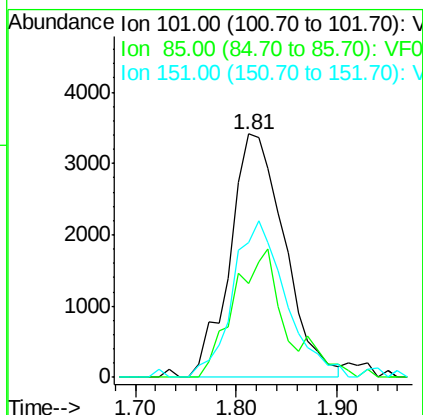
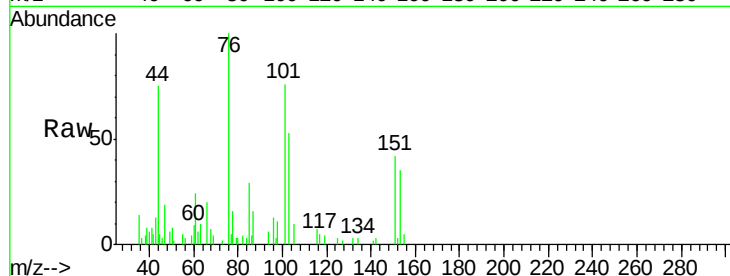
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12869
Ion Ratio	Lower	Upper	
101	100		
85	38.7	41.9	62.9#
151	55.6	55.1	82.7

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#10

Methyl Iodide

Concen: 4.978 ug/l m

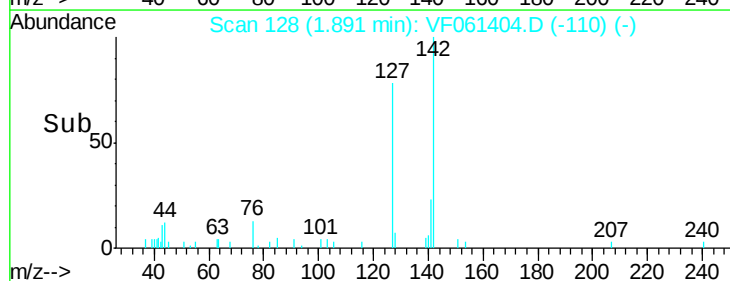
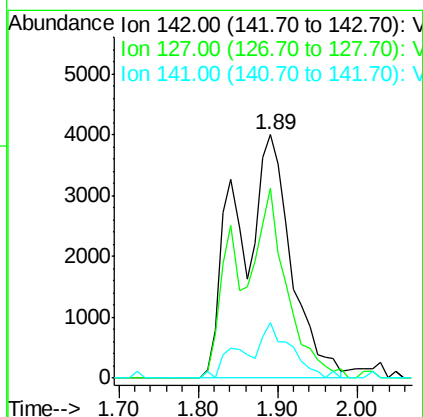
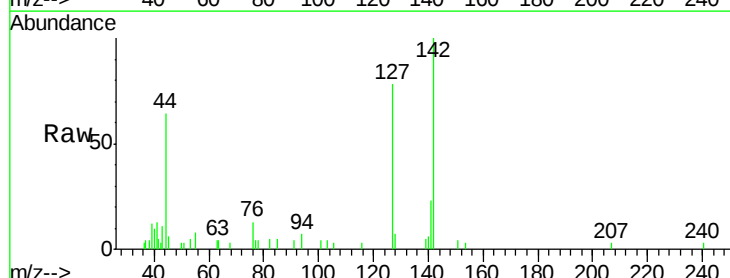
RT: 1.89 min Scan# 128

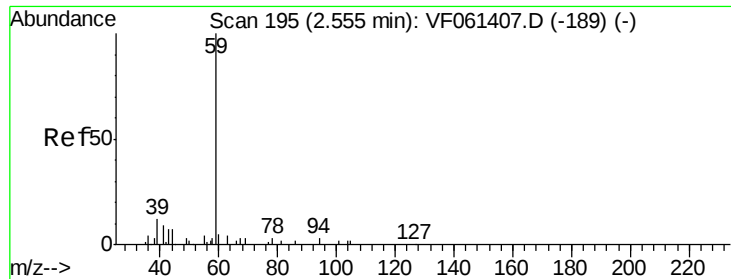
Delta R.T. -0.02 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	142	Resp:	18725
Ion Ratio	Lower	Upper	
142	100		
127	77.8	50.7	76.1#
141	22.7	11.8	17.6#





#11

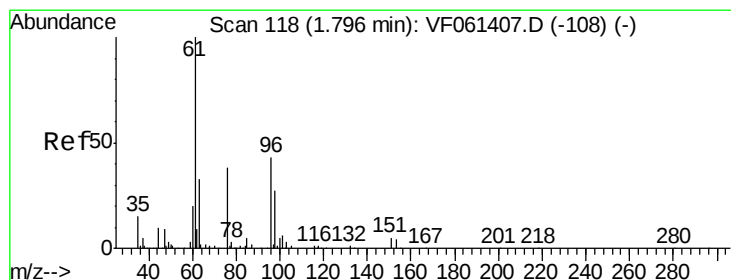
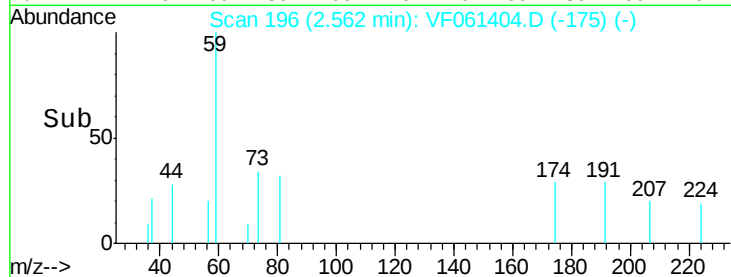
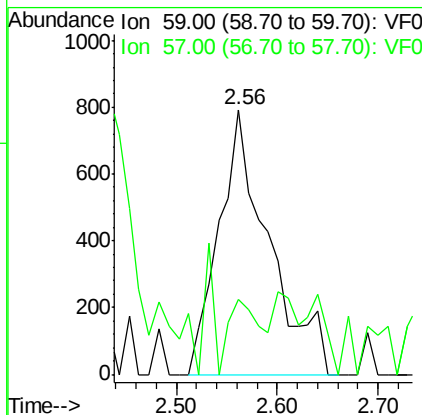
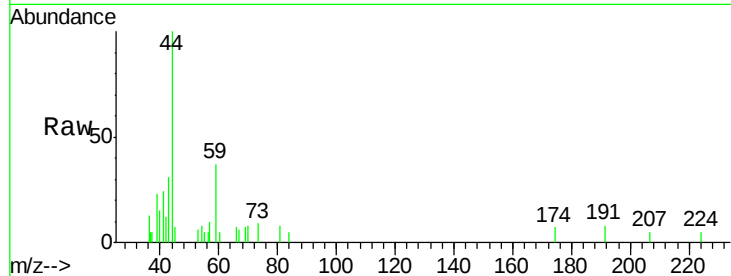
Tert butyl alcohol
Concen: 25.964 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	28.4	11.9	17.9#

Manual Integrations
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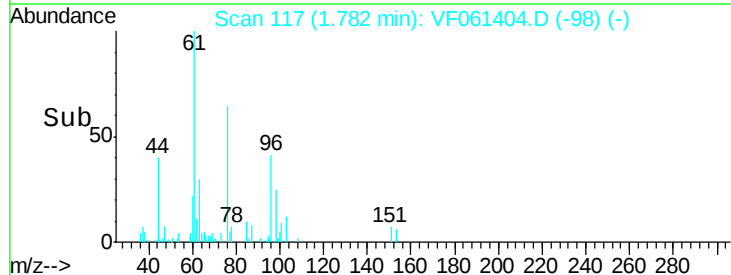
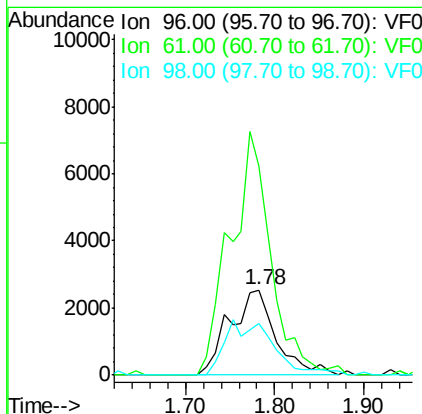
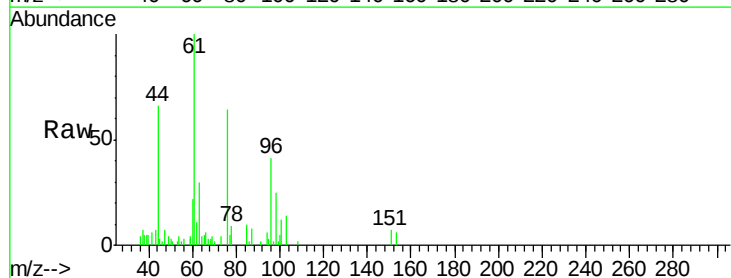
apatel
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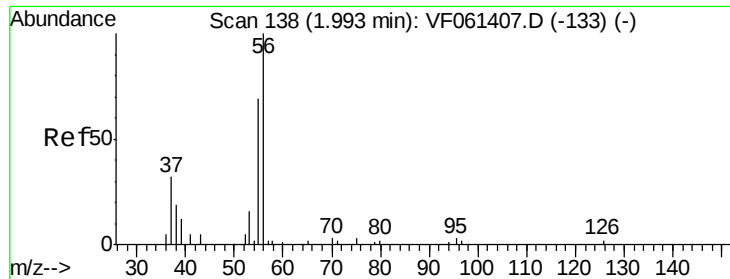


#12

1,1-Dichloroethene
Concen: 5.085 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	244.8	186.9	280.3
98	61.0	53.0	79.4





#13

Acrolein

Concen: 26.566 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2585

Ion Ratio Lower Upper

56 100

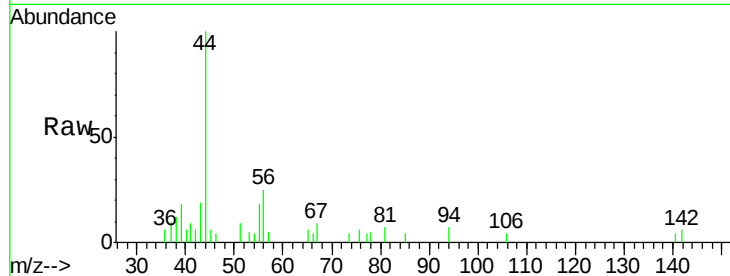
55 71.5 57.5 86.3

Manual Integrations

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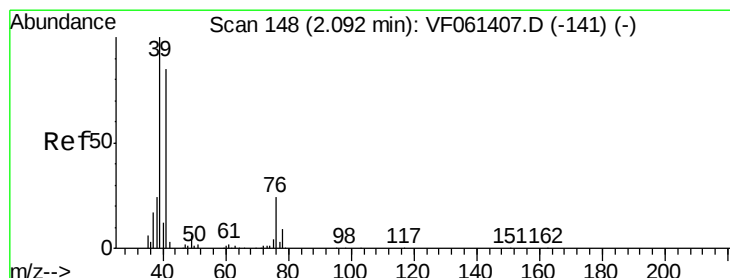
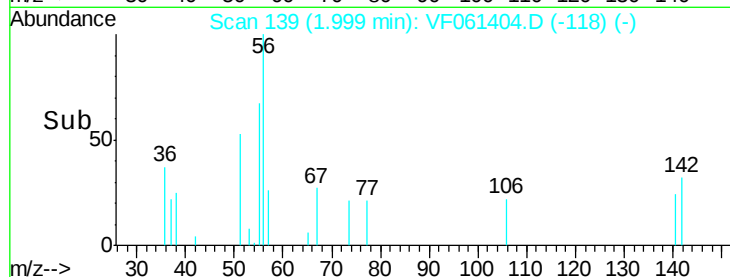
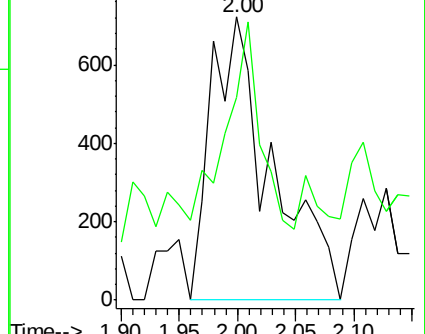
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 4.257 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

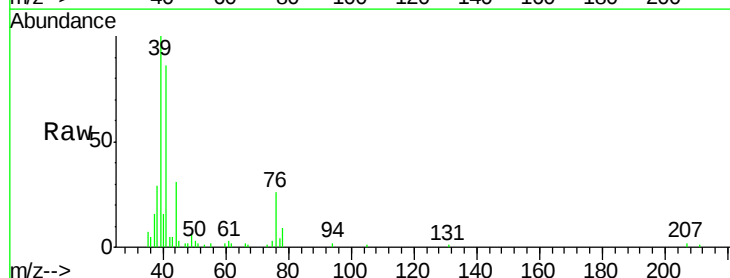
Tgt Ion: 41 Resp: 13811

Ion Ratio Lower Upper

41 100

39 116.6 94.6 141.8

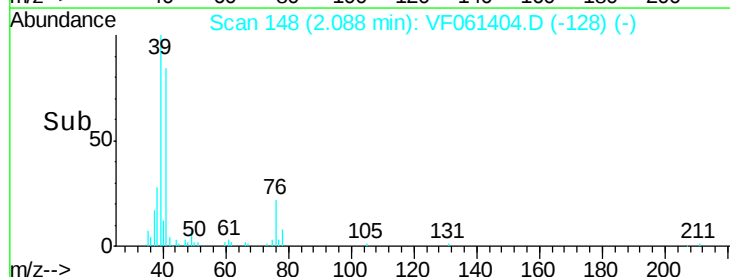
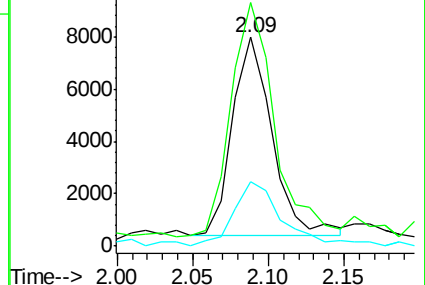
76 30.6 25.9 38.9

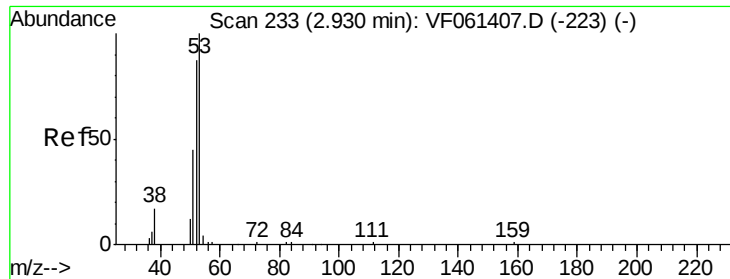


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 28.300 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

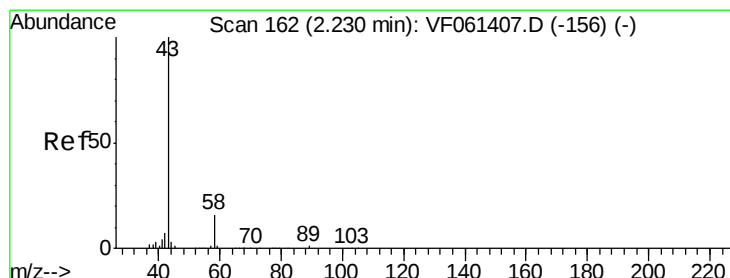
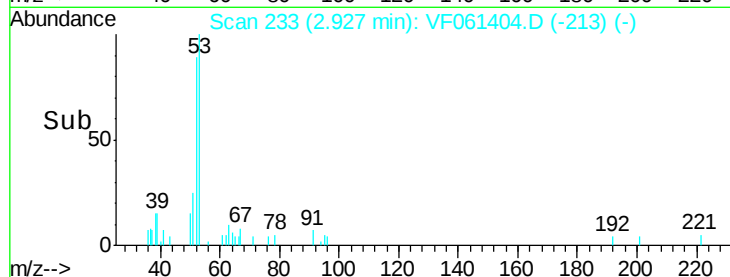
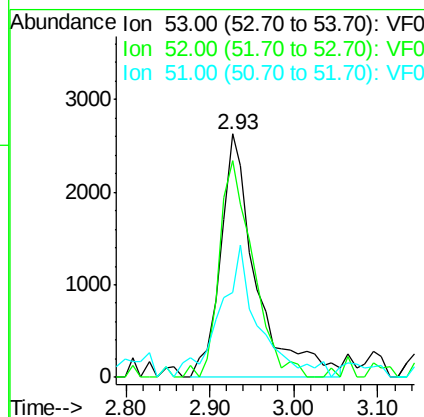
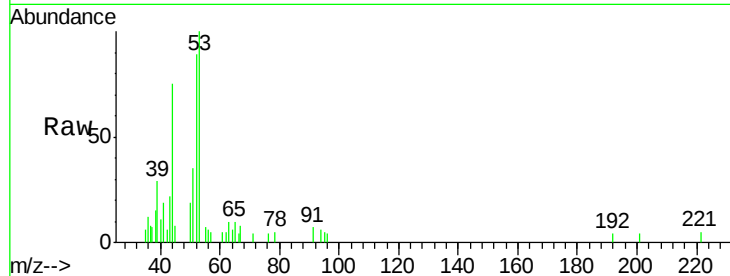
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	7717
Ion	Ratio	Lower	Upper
53	100		
52	89.1	69.6	104.4
51	34.7	36.8	55.2#

Manual Integrations
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#16

Acetone

Concen: 27.544 ug/l

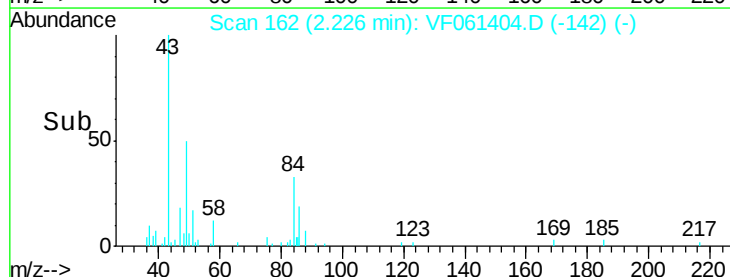
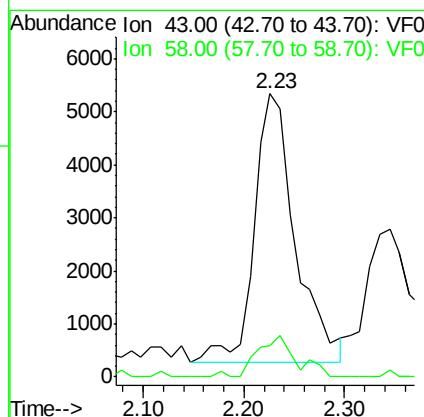
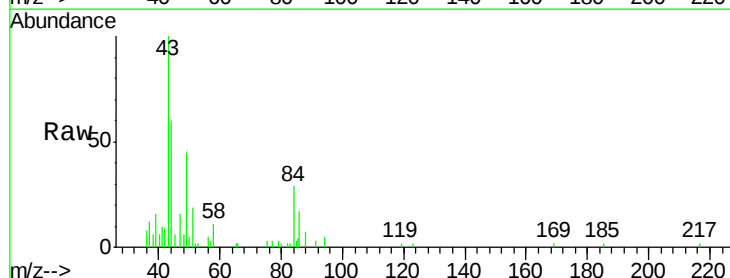
RT: 2.23 min Scan# 162

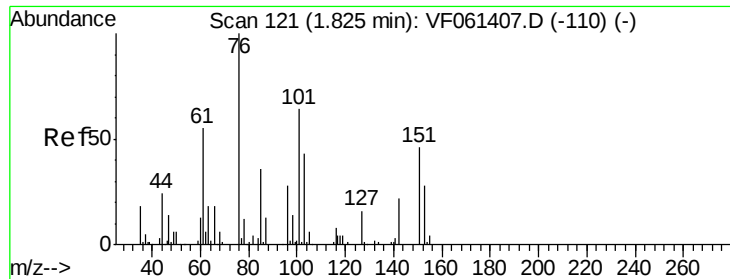
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	43	Resp:	14305
Ion	Ratio	Lower	Upper
43	100		
58	10.9	13.3	19.9#





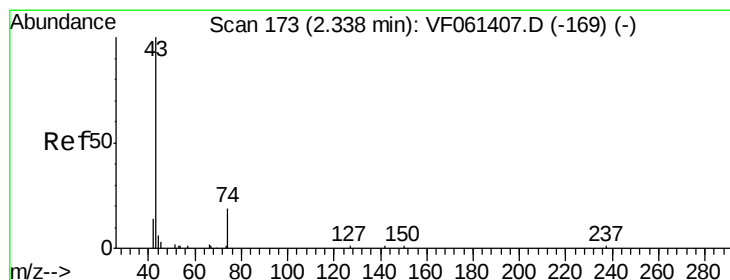
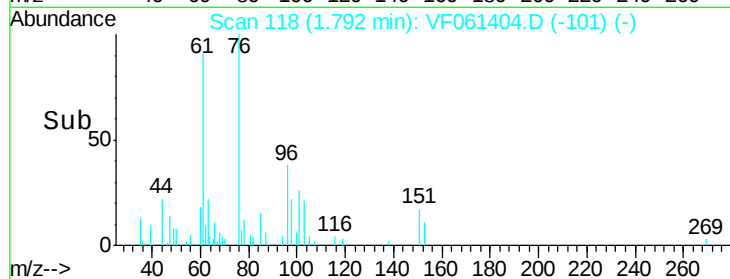
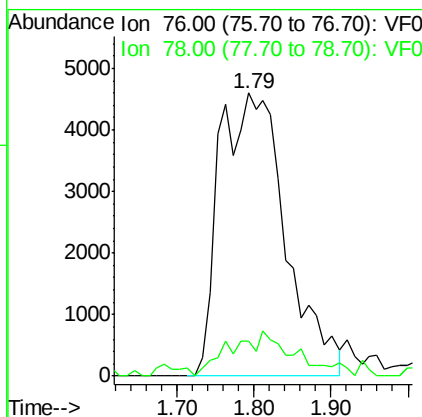
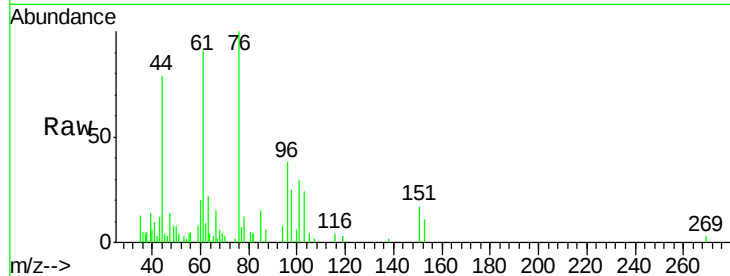
#17
Carbon Disulfide
Concen: 4.924 ug/l m
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.5	9.6	14.4

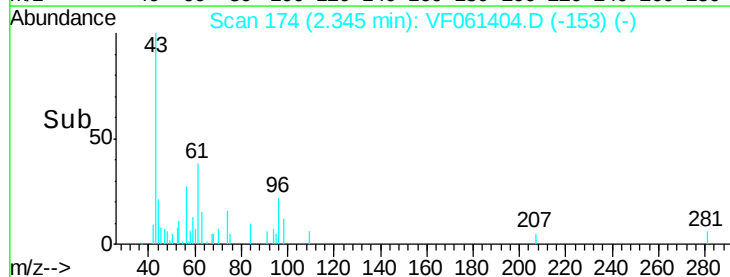
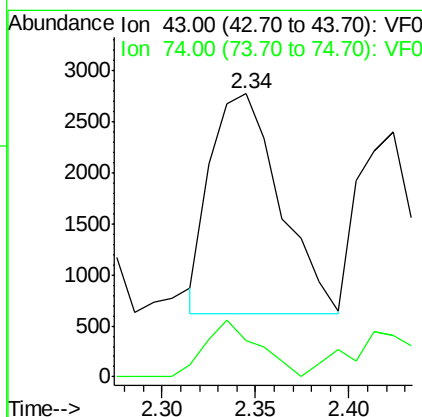
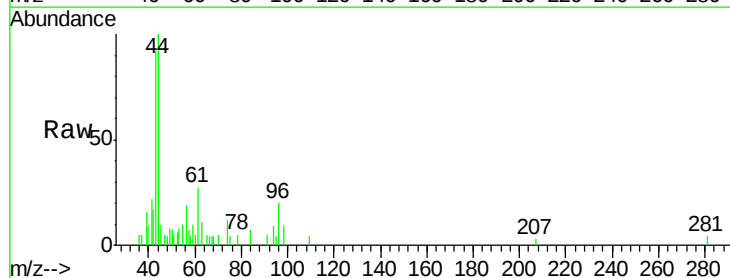
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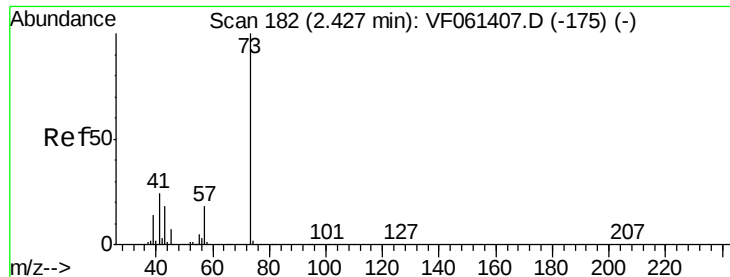
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#18
Methyl Acetate
Concen: 4.538 ug/l m
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.6	13.4	20.0#





#19

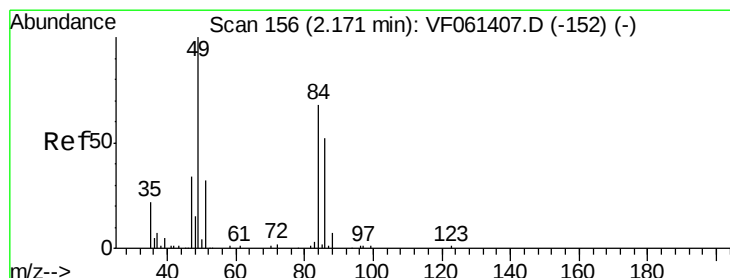
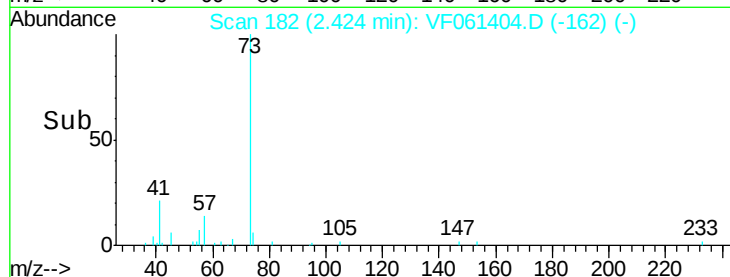
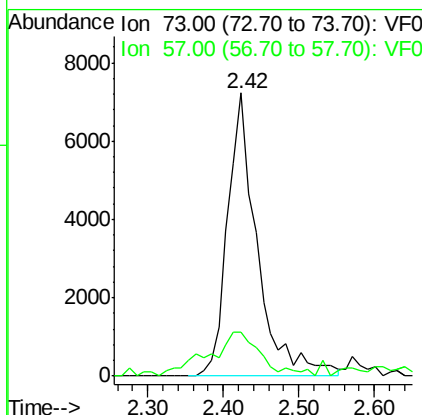
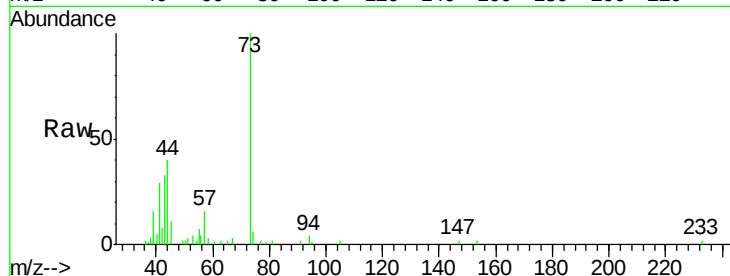
Methyl tert-butyl Ether
 Concen: 4.882 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.7	14.8	22.2

Manual Integrations
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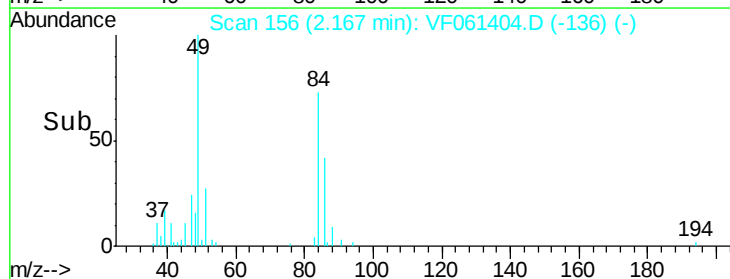
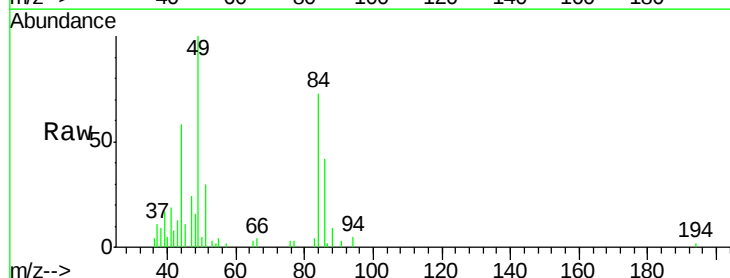
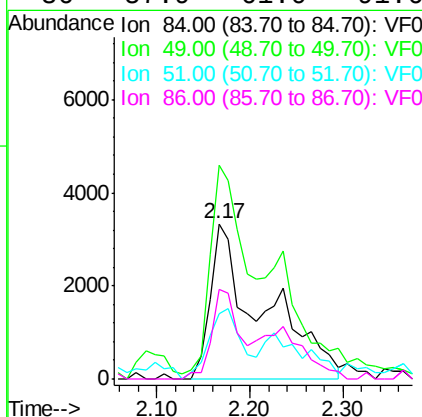
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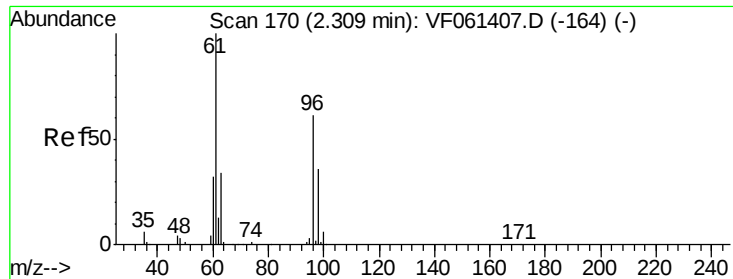


#20

Methylene Chloride
 Concen: 6.413 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.7	120.0	180.0
51	41.8	38.6	58.0
86	57.9	61.0	91.6#





#21

trans-1,2-Dichloroethene

Concen: 5.171 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

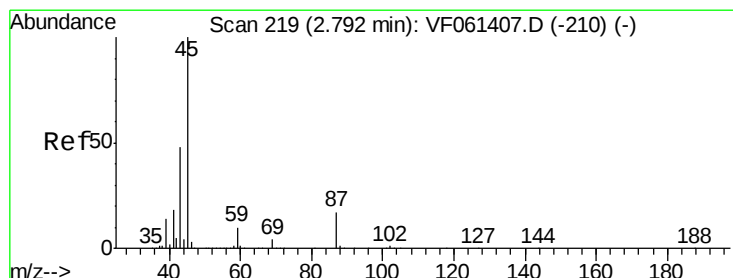
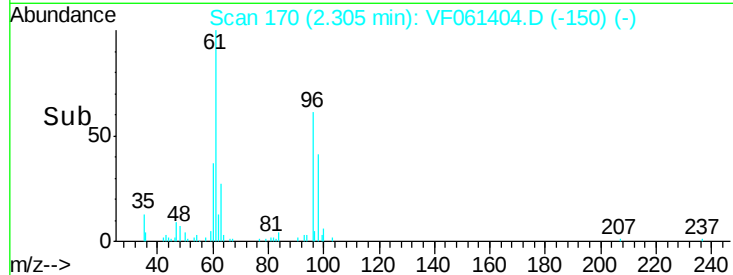
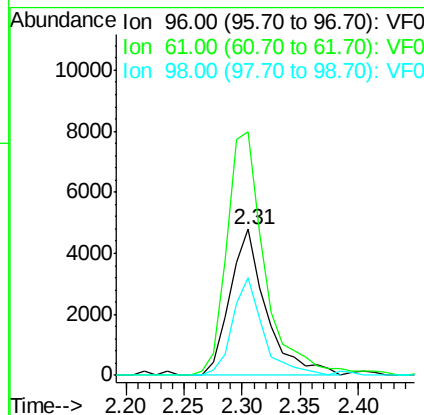
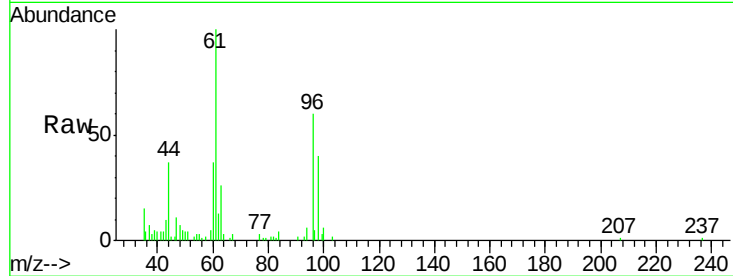
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10360
Ion	Ratio	Lower	Upper
96	100		
61	154.0	131.8	197.8
98	62.1	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.030 ug/l

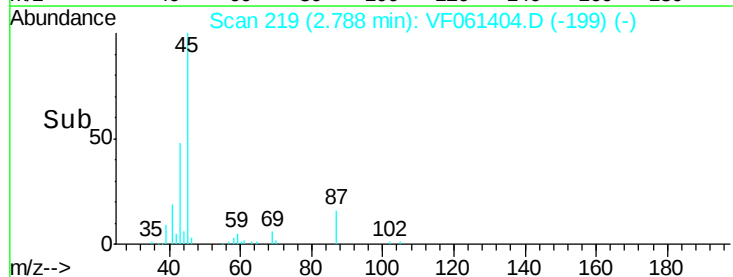
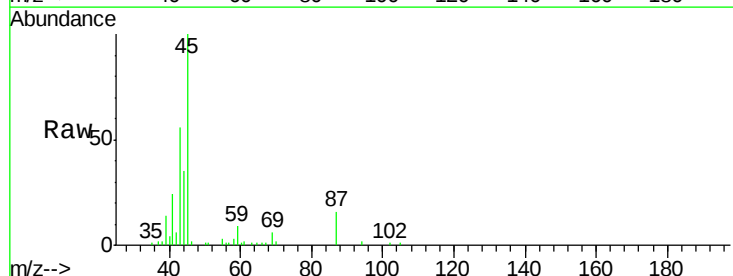
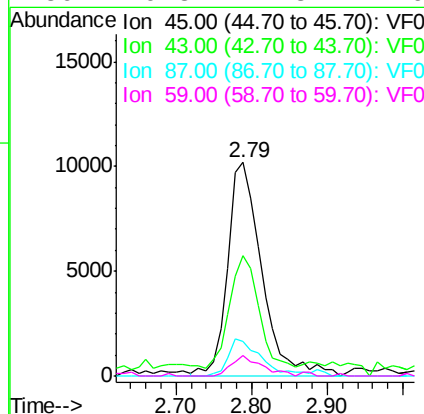
RT: 2.79 min Scan# 219

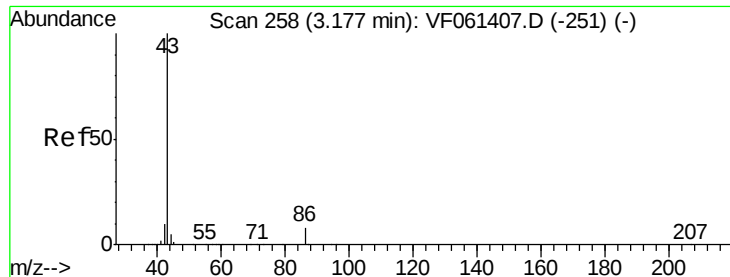
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	45	Resp:	31734
Ion	Ratio	Lower	Upper
45	100		
43	56.5	39.0	58.6
87	16.0	13.9	20.9
59	9.3	7.8	11.6





#23

Vinyl Acetate

Concen: 23.541 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56508

Ion Ratio Lower Upper

43 100

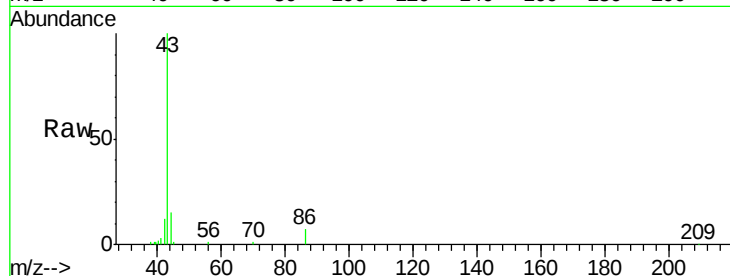
86 7.3 6.2 9.4

Manual Integrations

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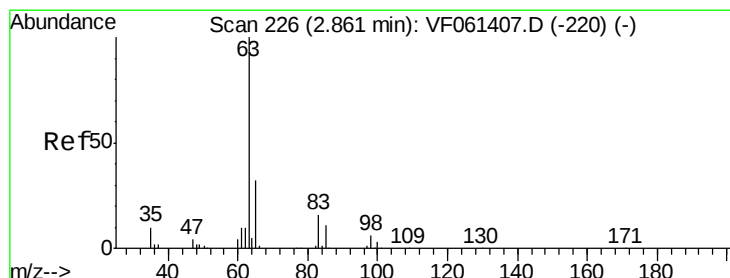
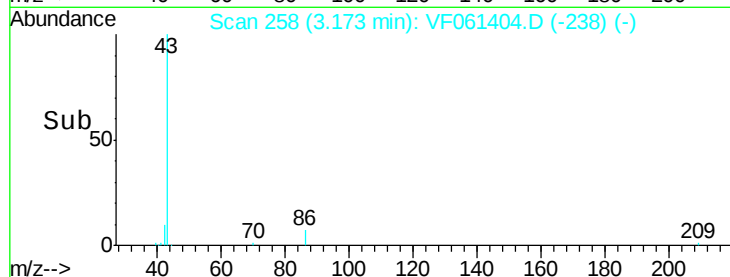
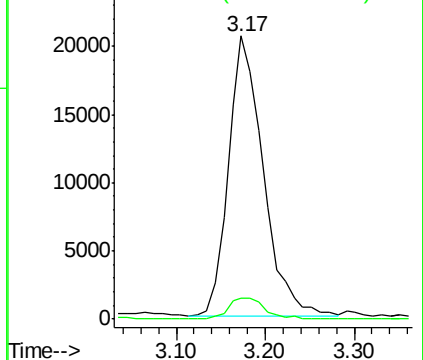
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.848 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

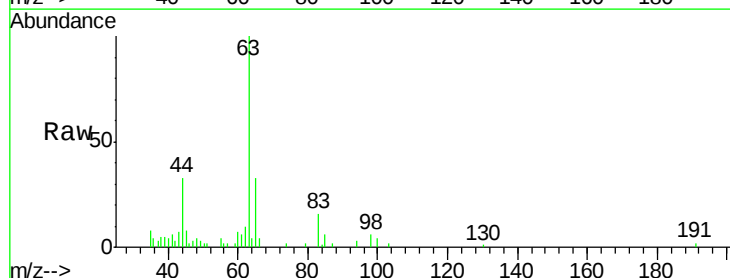
Tgt Ion: 63 Resp: 19476

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

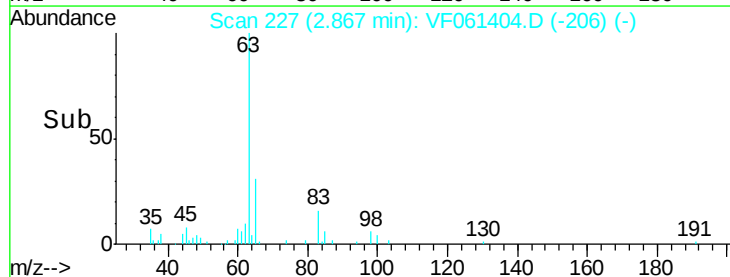
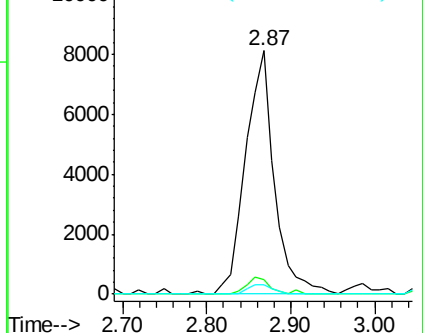
100 3.8 1.6 4.8

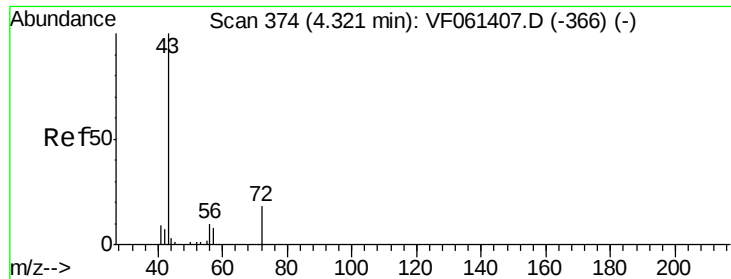


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 27.692 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 22907

Ion Ratio Lower Upper

43 100

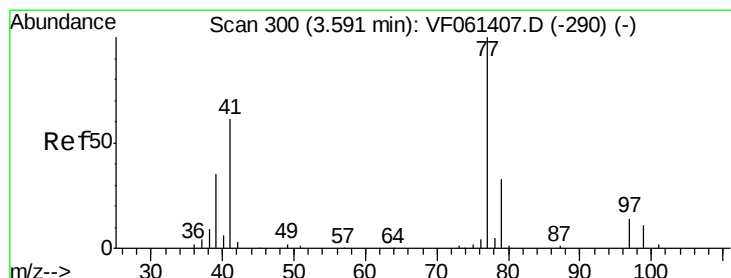
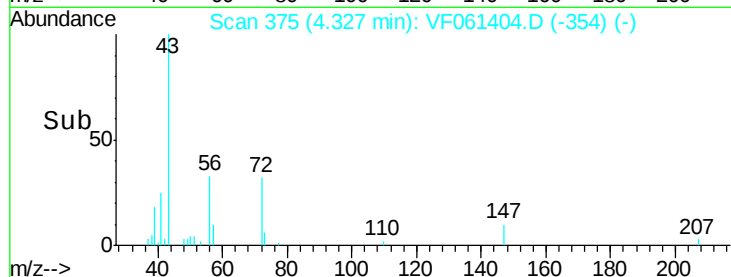
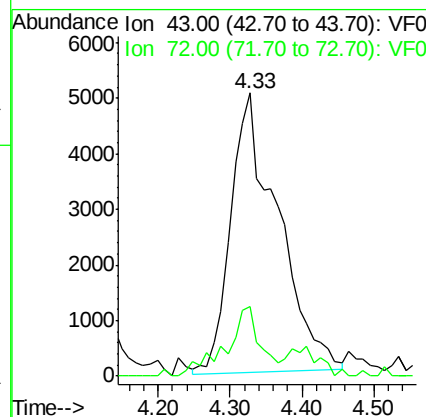
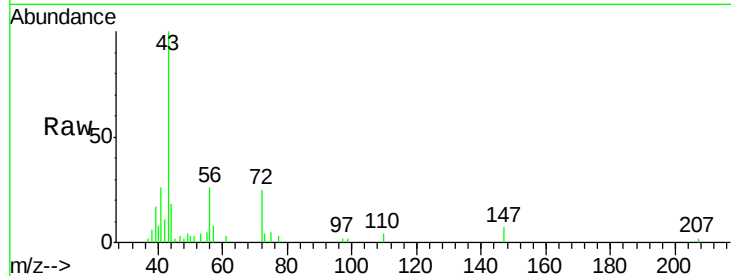
72 24.6 15.8 23.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.277 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061404.D

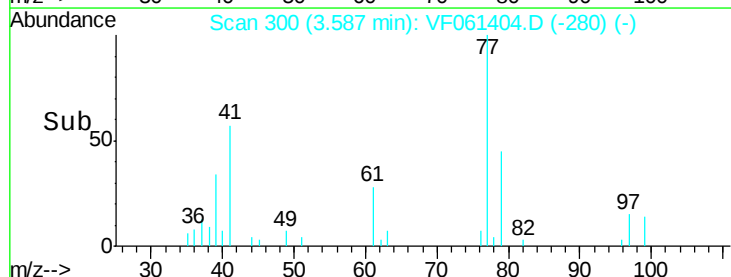
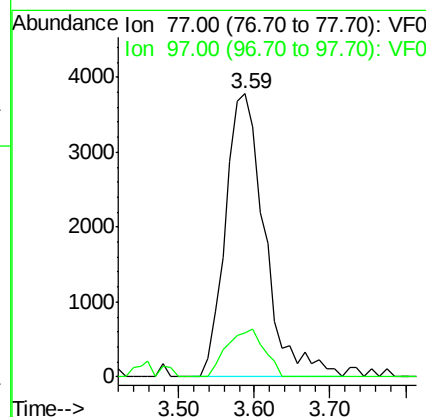
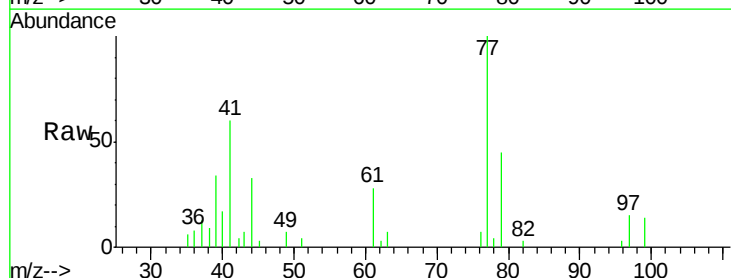
Acq: 15 Jan 2019 13:32

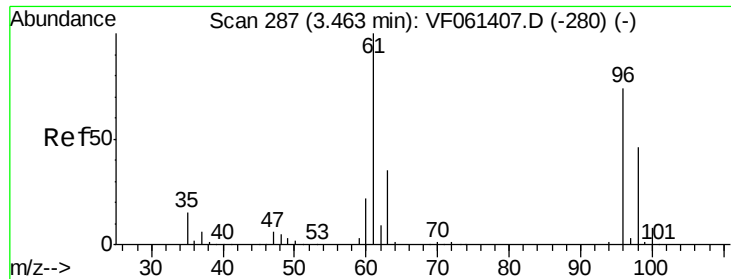
Tgt Ion: 77 Resp: 13658

Ion Ratio Lower Upper

77 100

97 15.3 8.5 25.5





#27

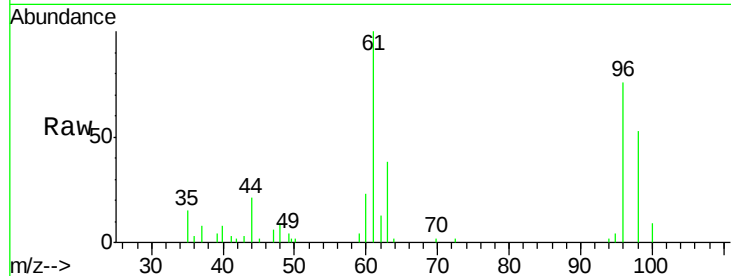
cis-1,2-Dichloroethene
Concen: 4.680 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	270.2
98	69.6	0.0	124.0

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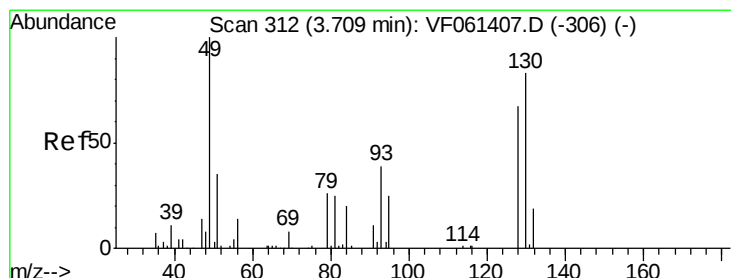
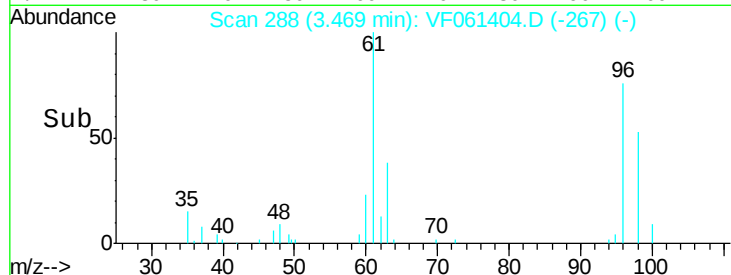
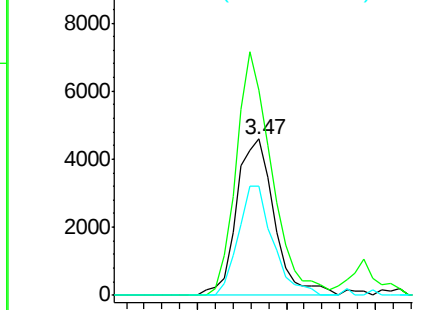


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

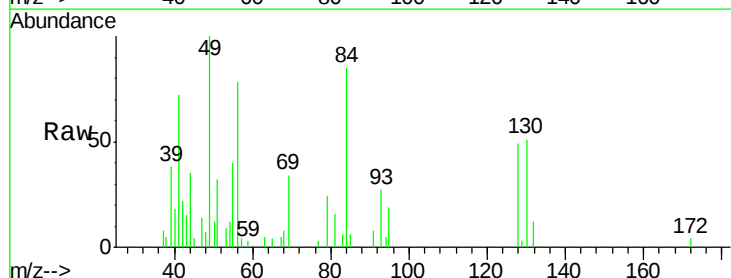
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 5.158 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	0.0#
130	51.2	65.4	98.2#

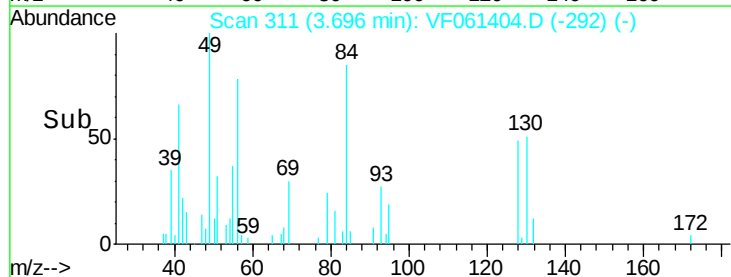
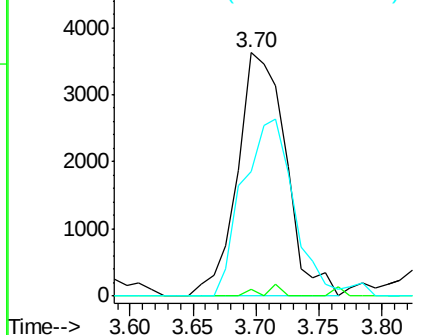


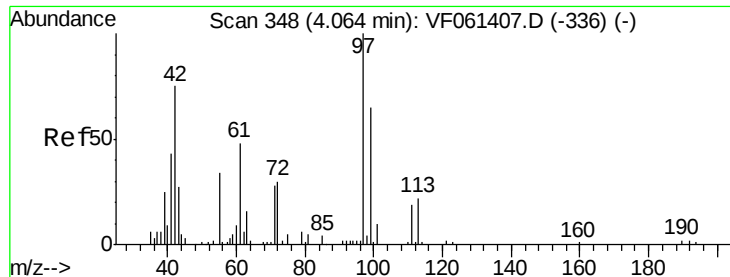
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 26.161 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

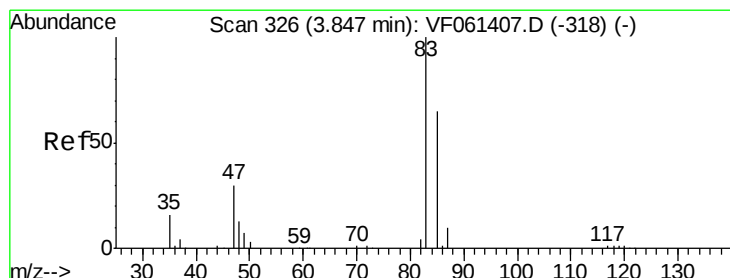
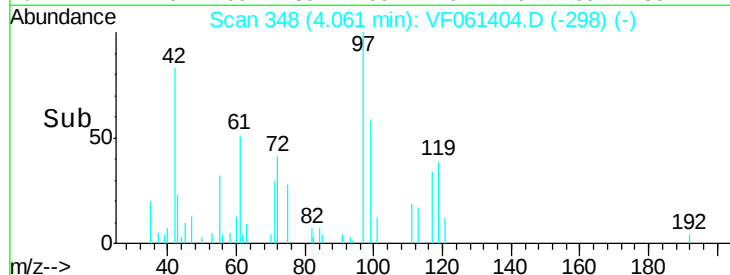
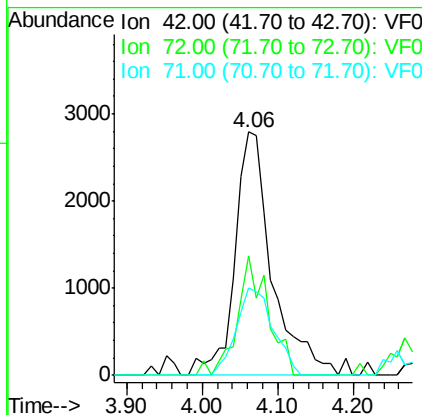
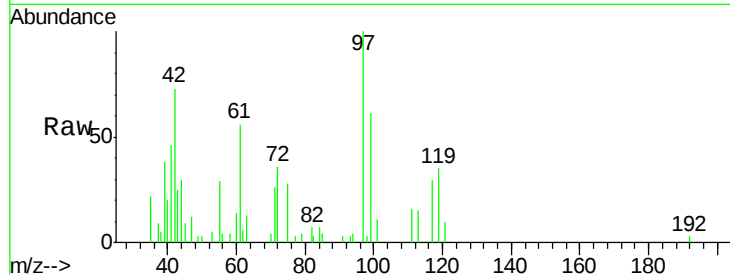
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	9521
Ion	Ratio	Lower	Upper
42	100		
72	40.7	28.9	43.3
71	35.7	29.6	44.4

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#30

Chloroform

Concen: 4.965 ug/l

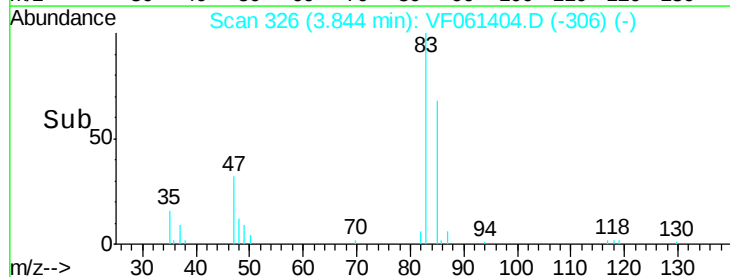
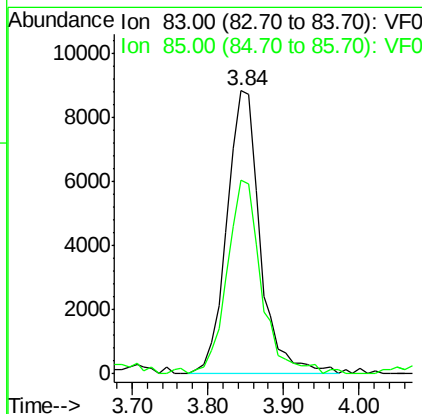
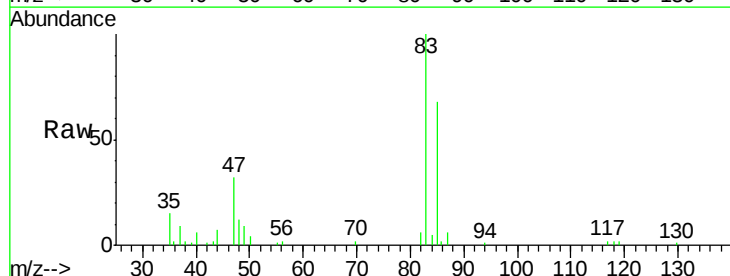
RT: 3.84 min Scan# 326

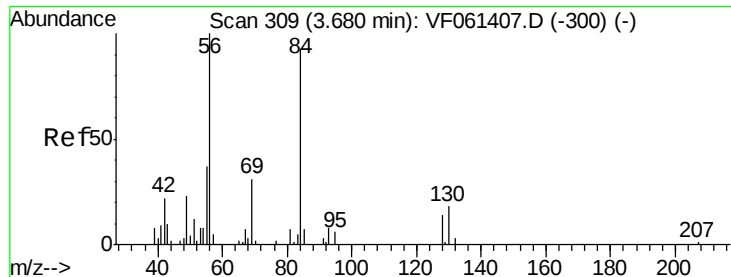
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	83	Resp:	26920
Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.7	79.1





#31

Cyclohexane

Concen: 4.943 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

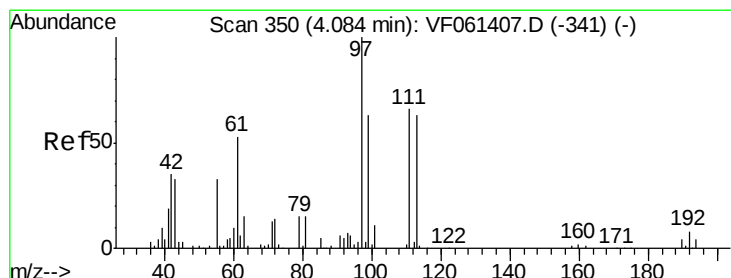
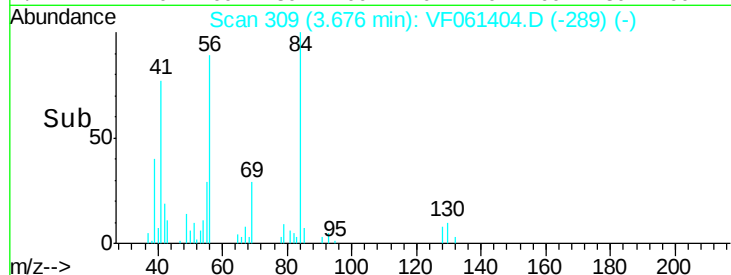
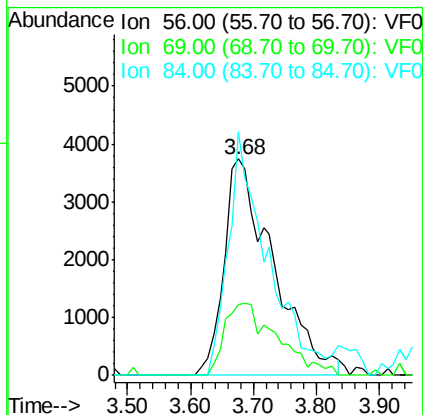
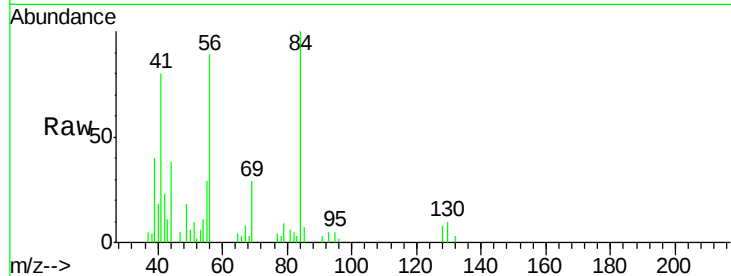
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	20267
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	112.4	74.2	111.2#

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#32

1,1,1-Trichloroethane

Concen: 4.785 ug/l

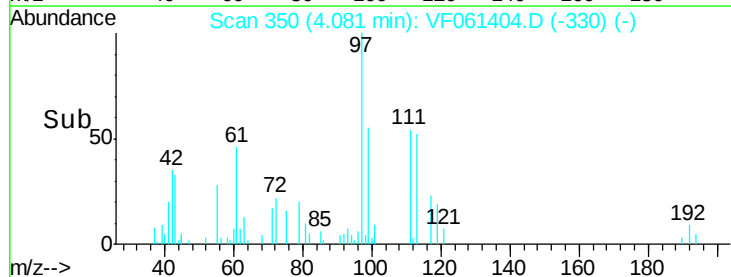
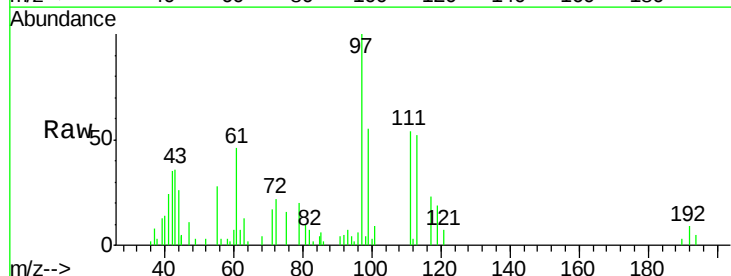
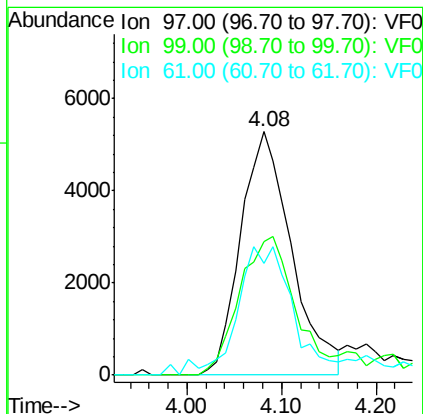
RT: 4.08 min Scan# 350

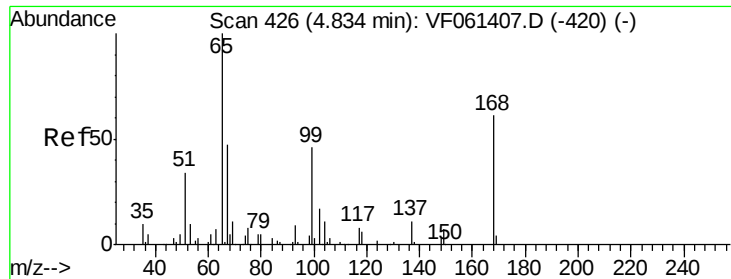
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	97	Resp:	19731
Ion	Ratio	Lower	Upper
97	100		
99	54.6	50.1	75.1
61	45.7	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 4.811 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 11571

Ion Ratio Lower Upper

65 100

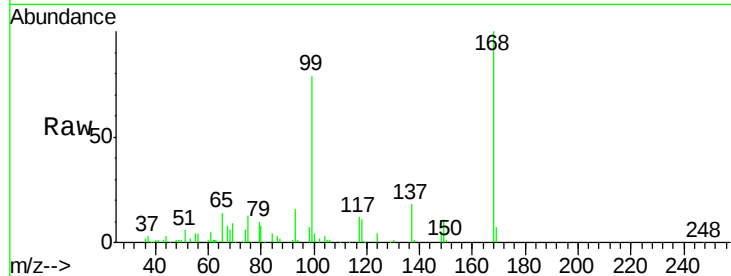
67 56.2 0.0 99.8

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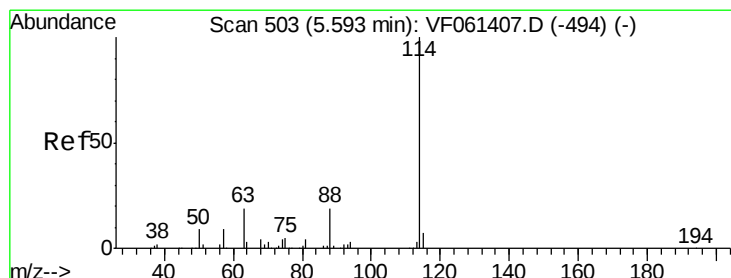
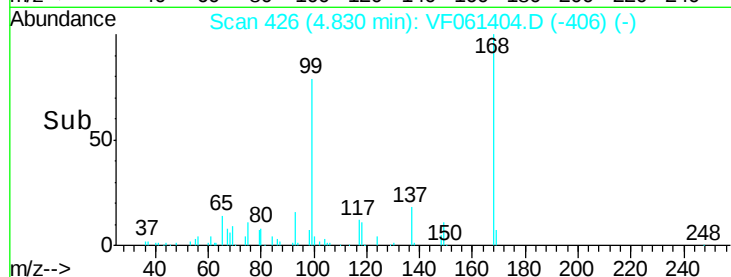
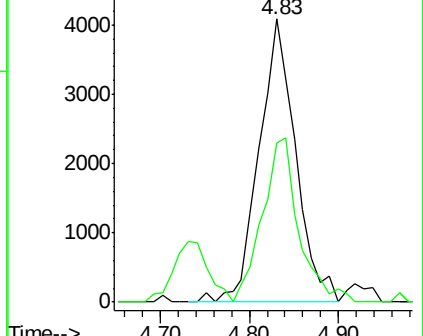
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

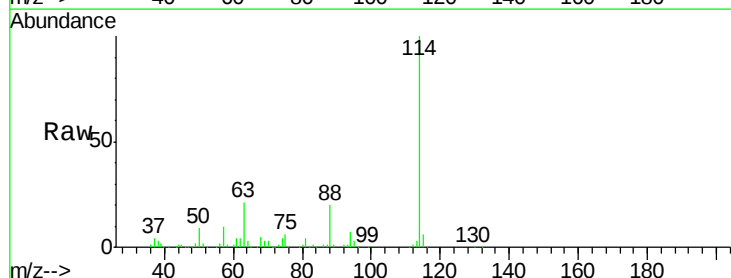
Tgt Ion:114 Resp: 348723

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

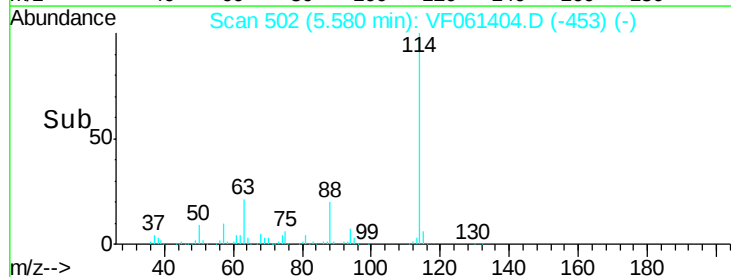
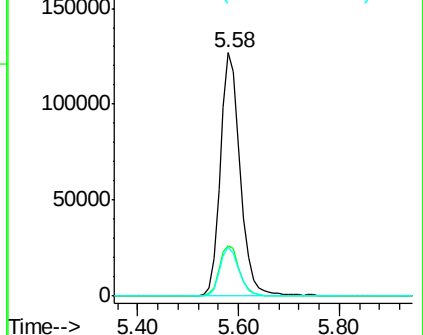
88 20.3 0.0 37.4

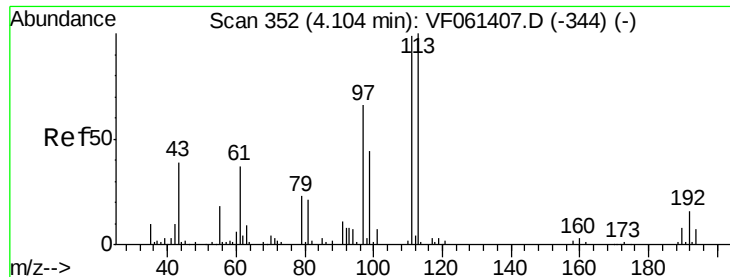


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





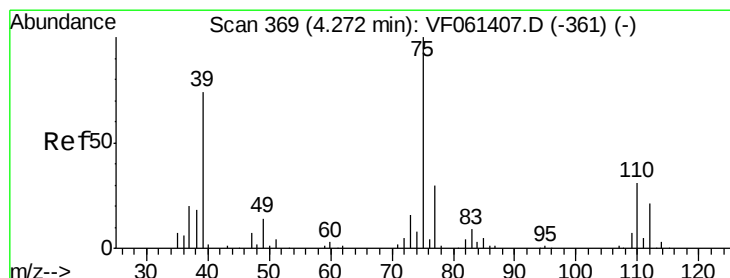
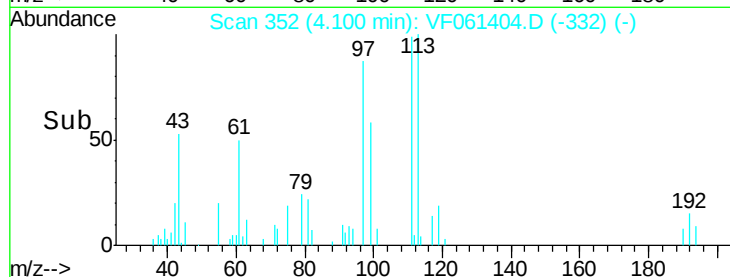
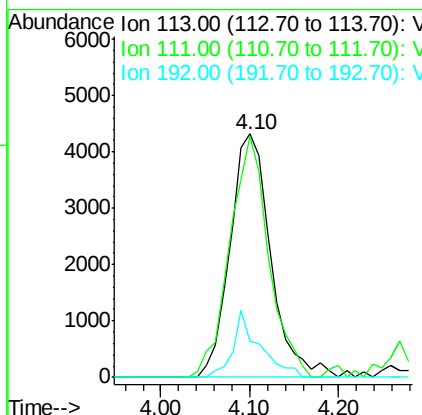
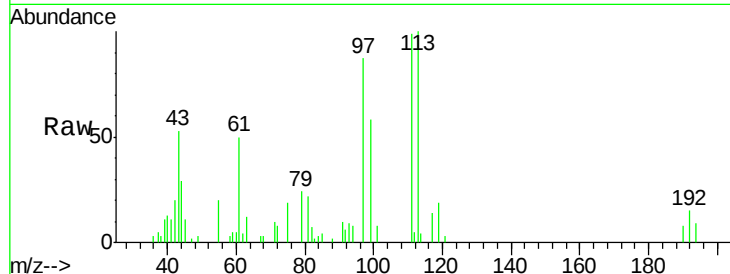
#35
Dibromofluoromethane
Concen: 4.878 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	79.4	119.0
192	14.9	12.4	18.6

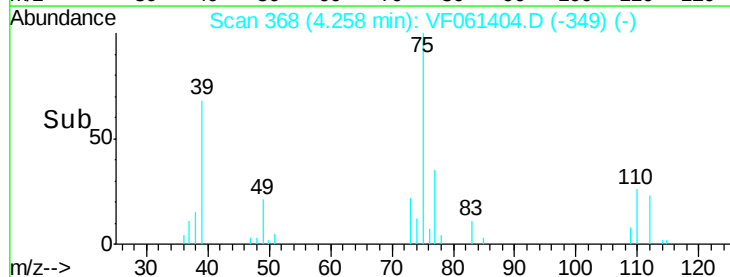
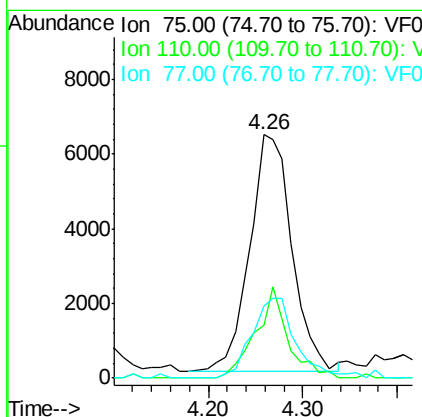
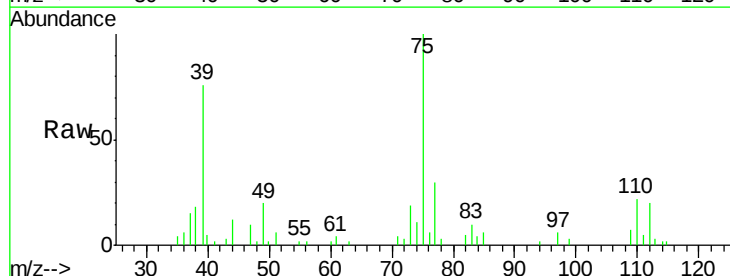
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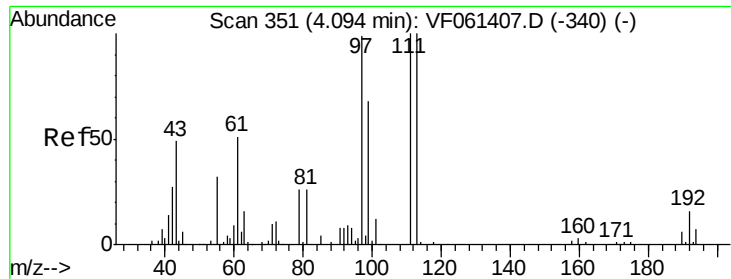
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#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	21.9	15.8	47.3
77	29.6	24.0	36.0





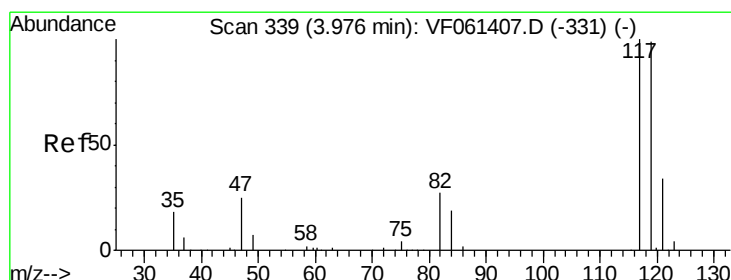
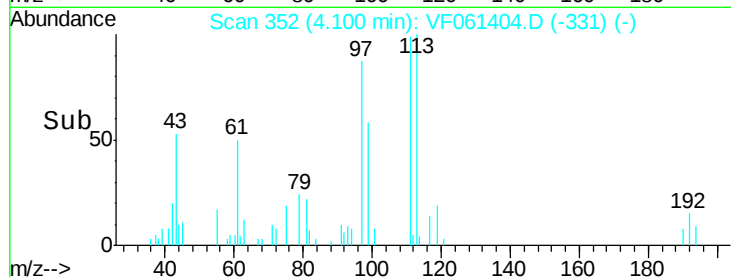
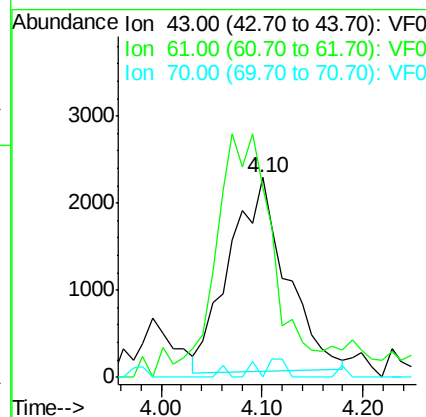
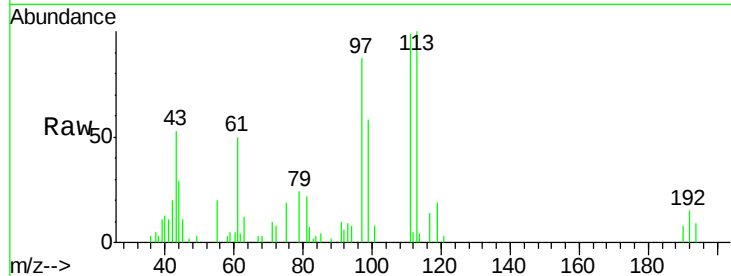
#37
Ethyl Acetate
Concen: 5.225 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						8774
61	95.0				81.7	122.5	
70	0.0				6.2	9.2	

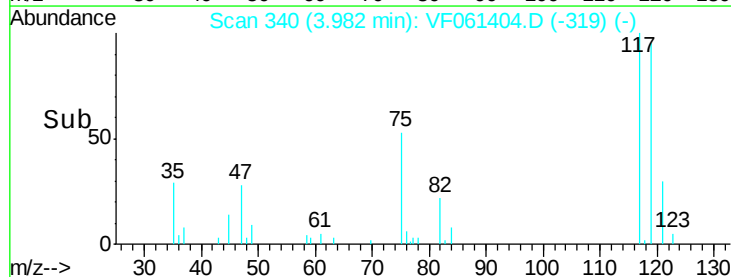
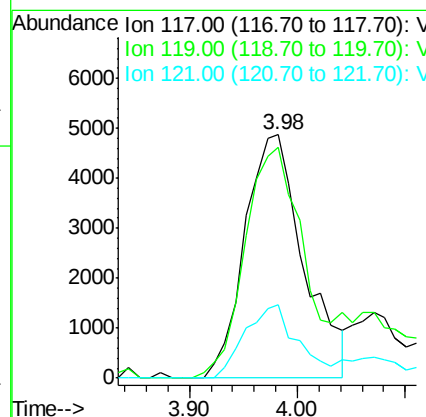
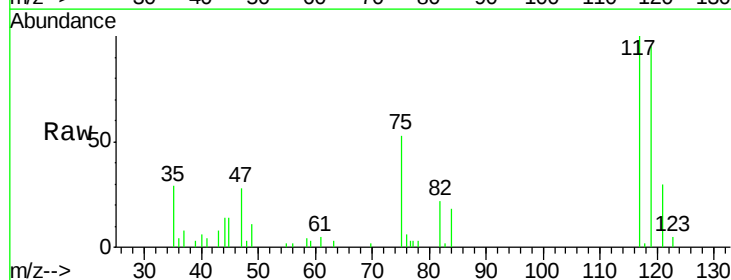
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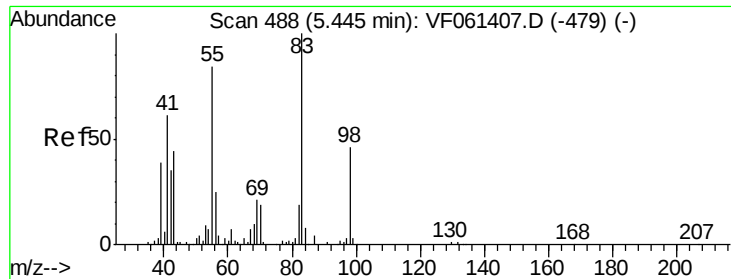
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#38
Carbon Tetrachloride
Concen: 4.111 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						18417
119	94.6				79.0	118.6	
121	30.0				27.0	40.6	





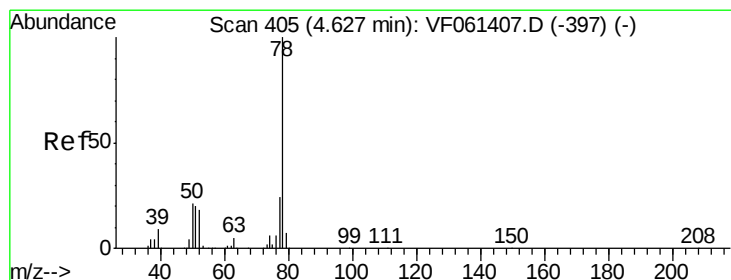
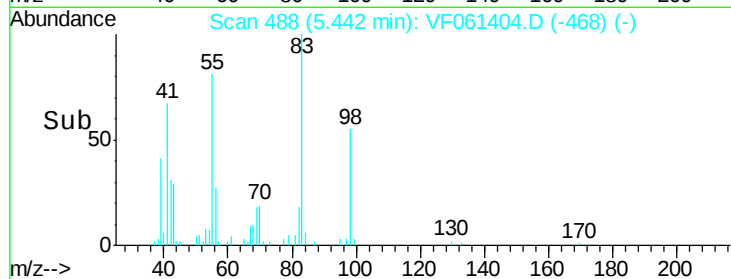
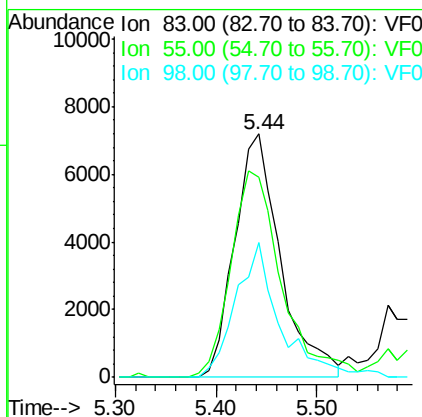
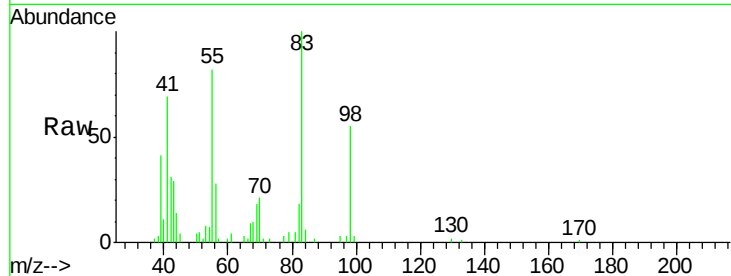
#39
Methvlcvclohexane
Concen: 4.995 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	67.4	101.2
98	55.2	36.7	55.1#

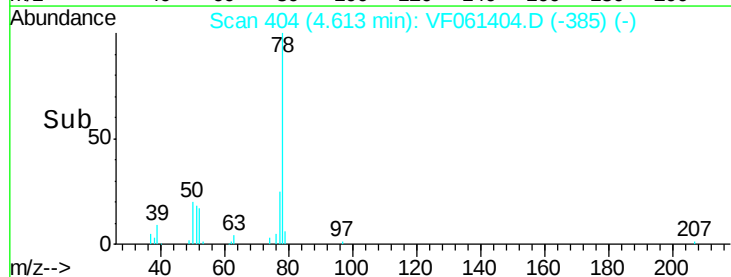
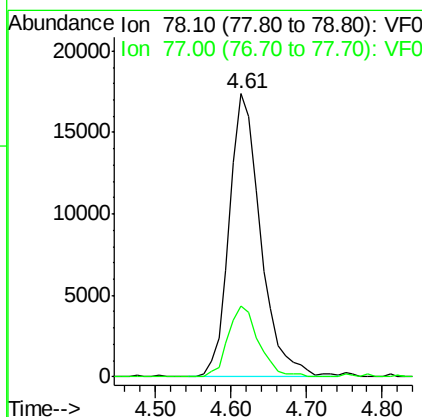
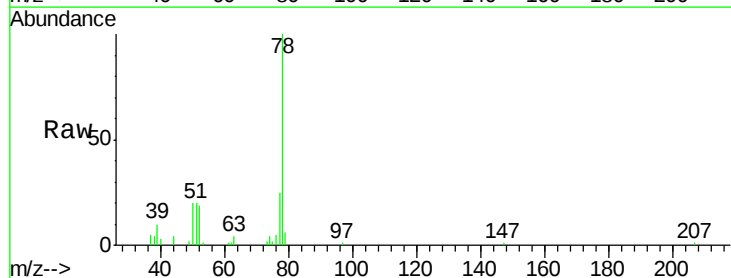
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#40
Benzene
Concen: 5.338 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.6





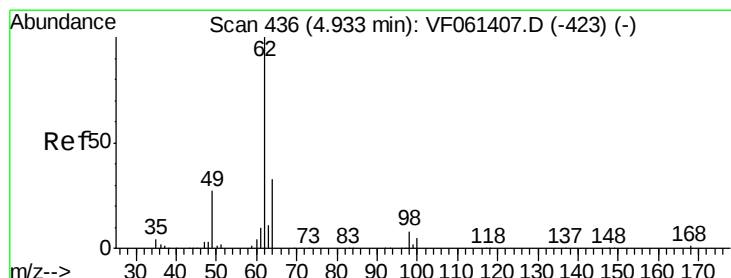
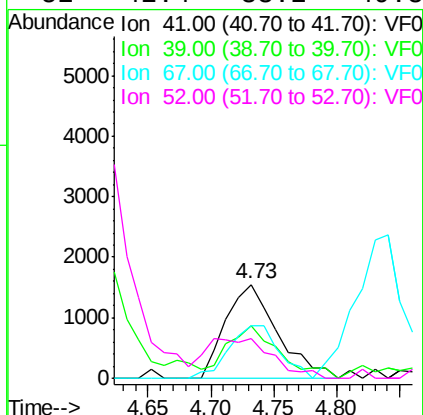
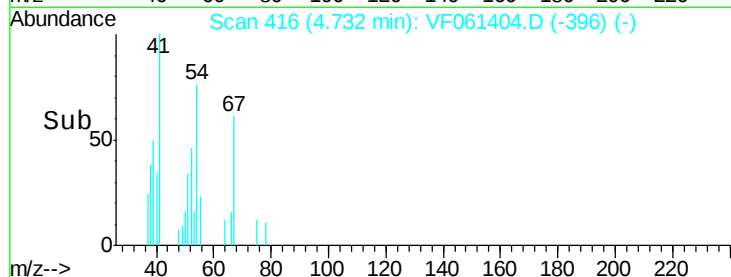
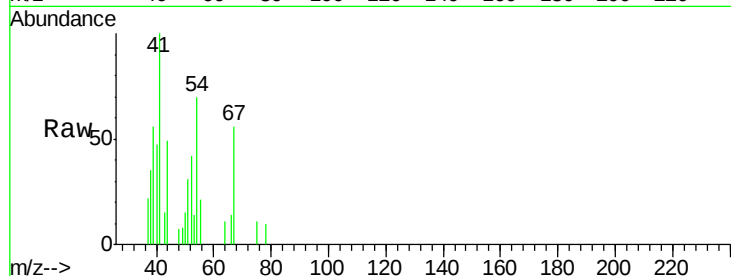
#41
Methacrylonitrile
Concen: 4.978 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4403
Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.1	64.7
67	56.0	38.8	58.2
52	42.4	33.2	49.8

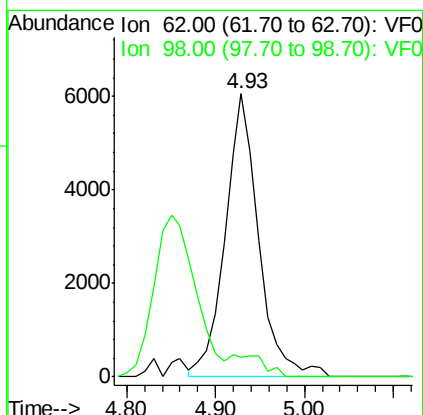
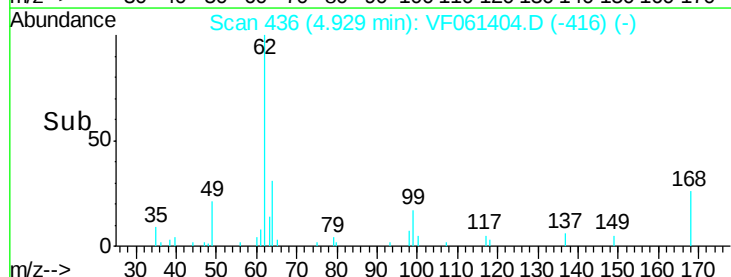
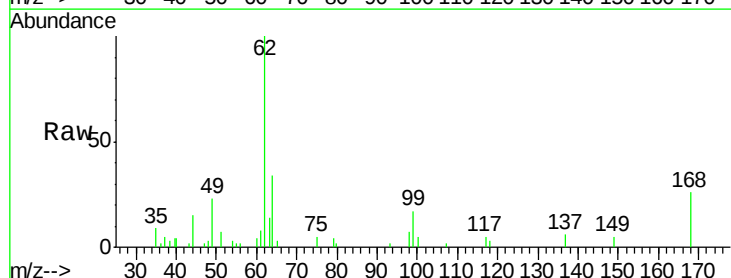
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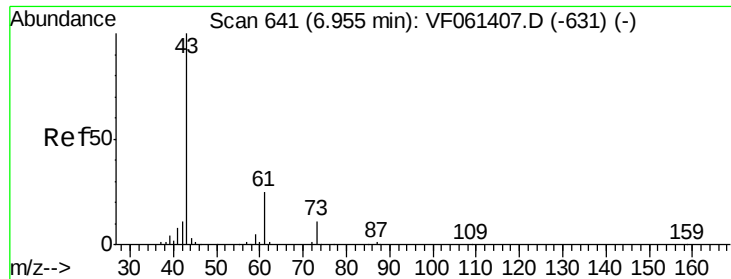
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#42
1,2-Dichloroethane
Concen: 4.883 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion:	62	Resp:	15873
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.0





#43

Isopropyl Acetate

Concen: 5.127 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

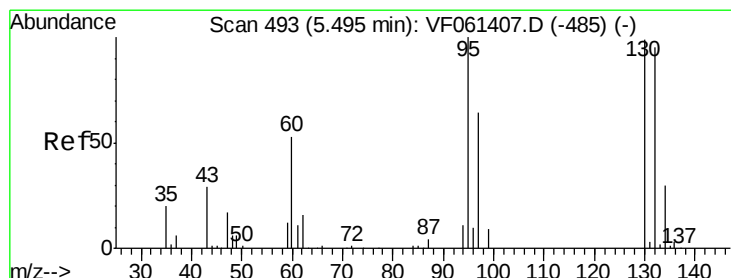
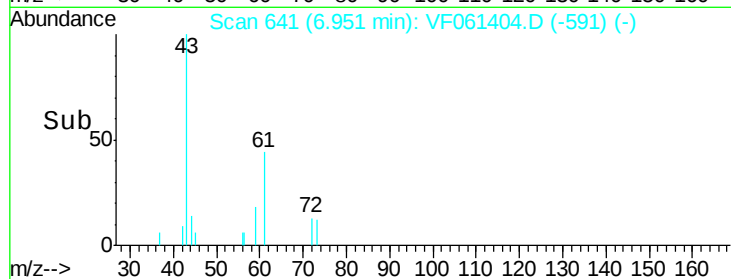
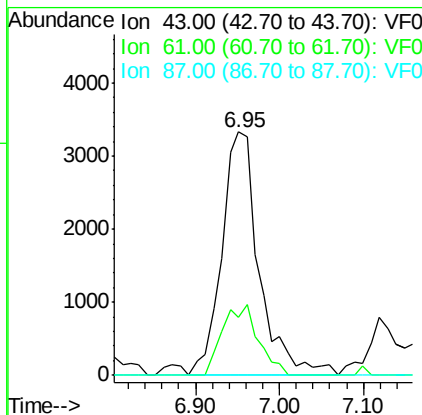
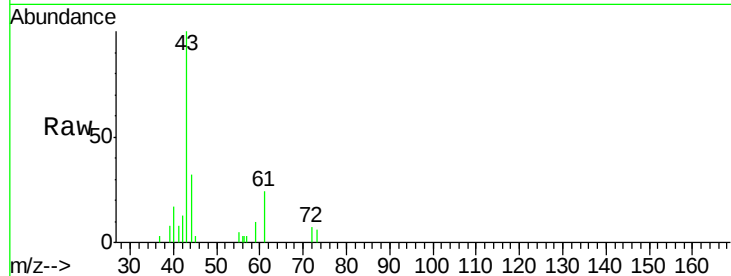
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	10294
Ion Ratio	Lower	Upper	
43	100		
61	23.8	20.3	30.5
87	0.0	0.5	0.7#

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#44

Trichloroethene

Concen: 5.369 ug/l

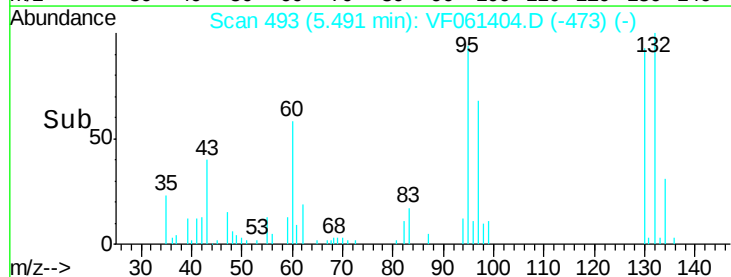
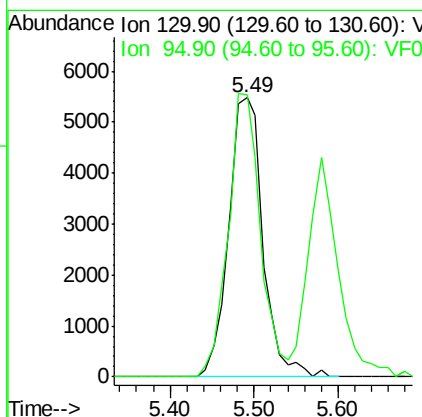
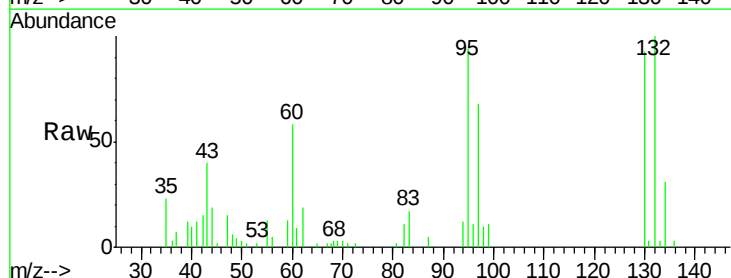
RT: 5.49 min Scan# 493

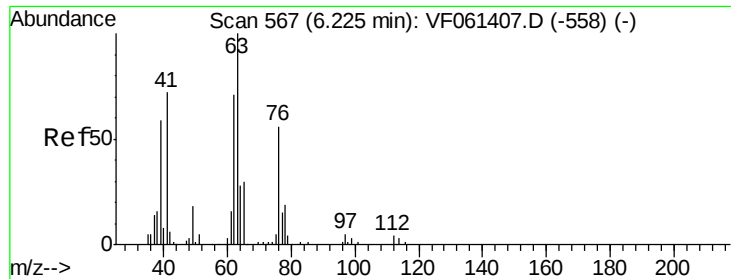
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	130	Resp:	15468
Ion Ratio	Lower	Upper	
130	100		
95	100.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 4.700 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 11299

Ion Ratio Lower Upper

63 100

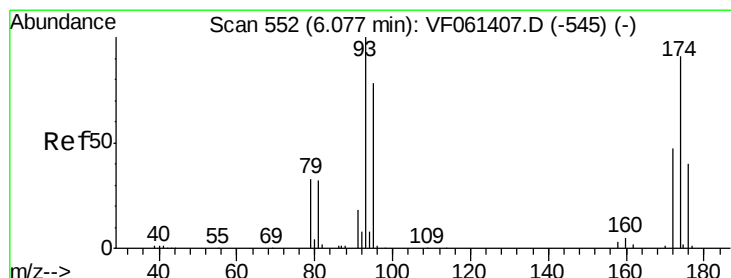
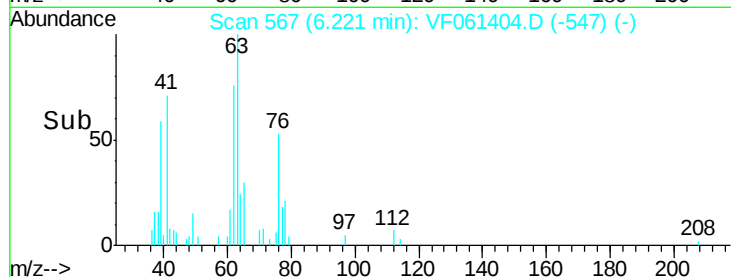
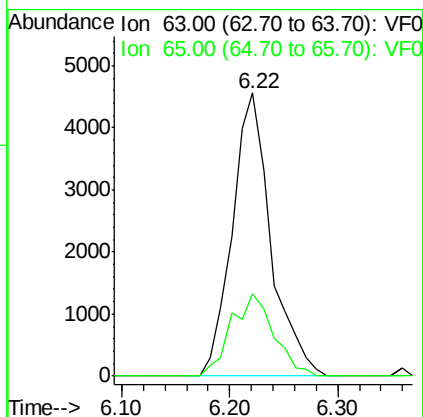
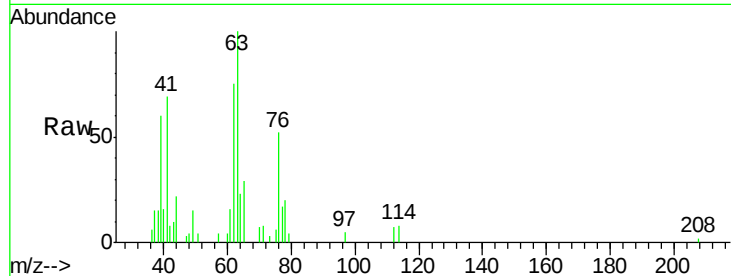
65 29.0 24.4 36.6

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#46

Dibromomethane

Concen: 4.764 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

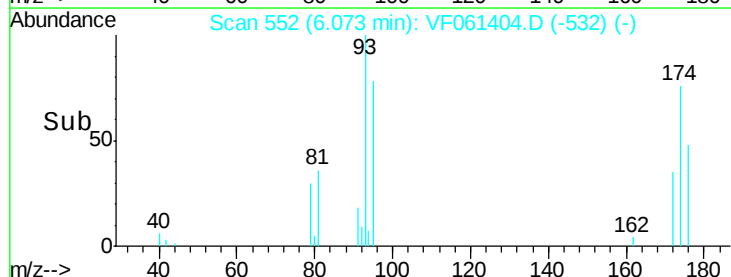
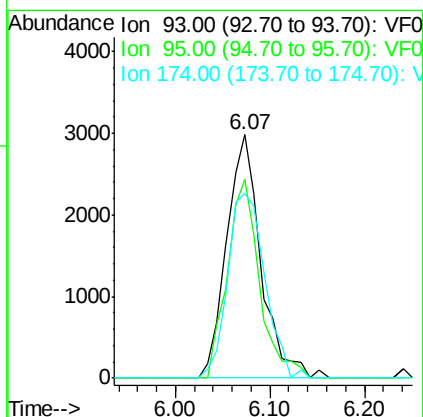
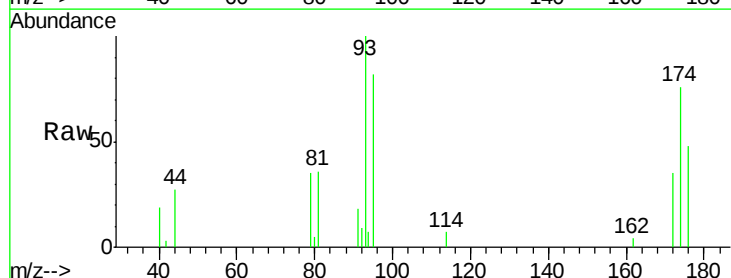
Tgt Ion: 93 Resp: 7508

Ion Ratio Lower Upper

93 100

95 81.9 62.1 93.1

174 75.7 74.6 111.8





#47

Bromodichloromethane

Concen: 4.929 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

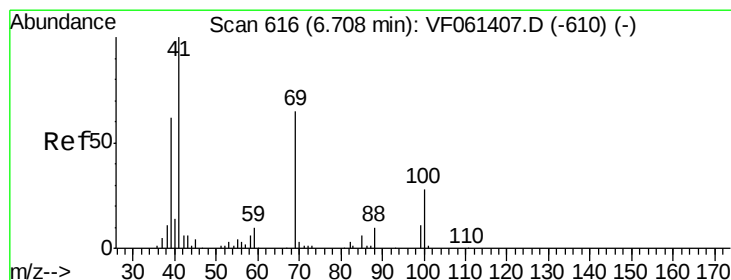
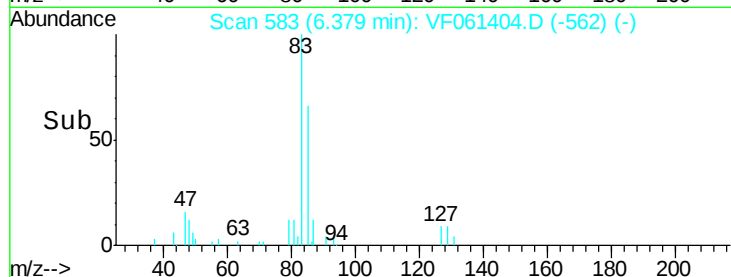
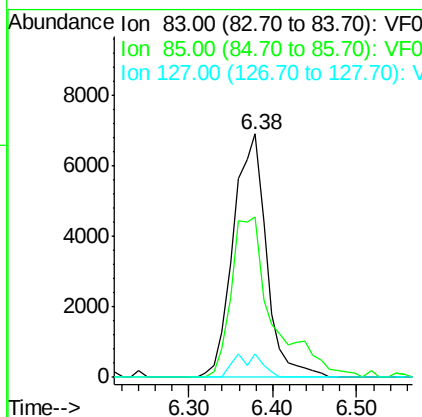
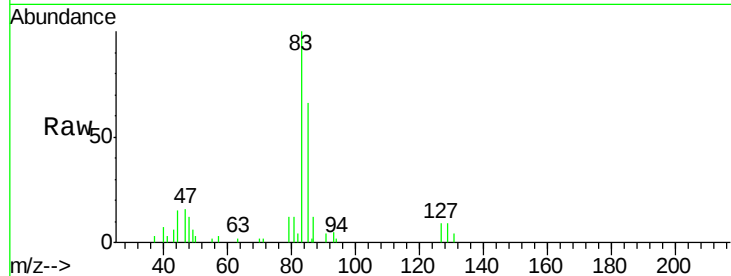
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19007
Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.0	79.4
127	9.5	6.9	10.3

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#48

Methyl methacrylate

Concen: 4.855 ug/l

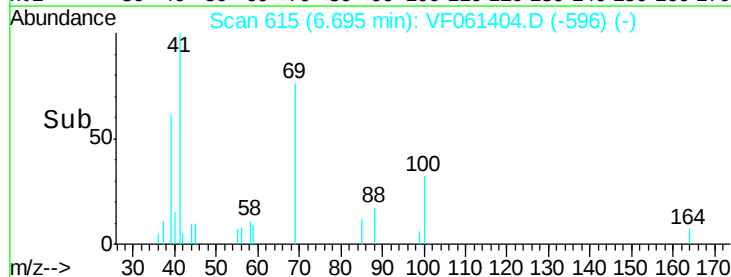
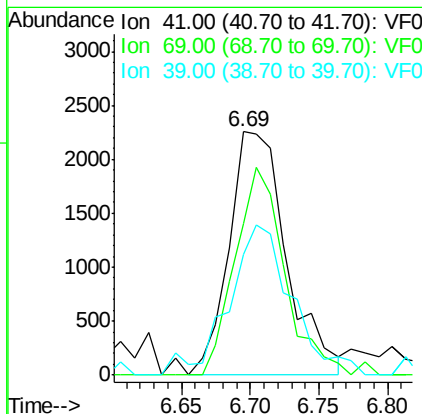
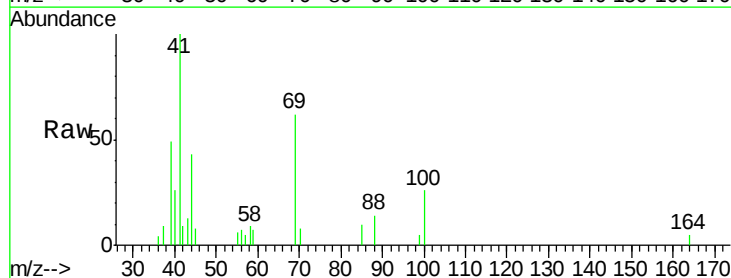
RT: 6.69 min Scan# 615

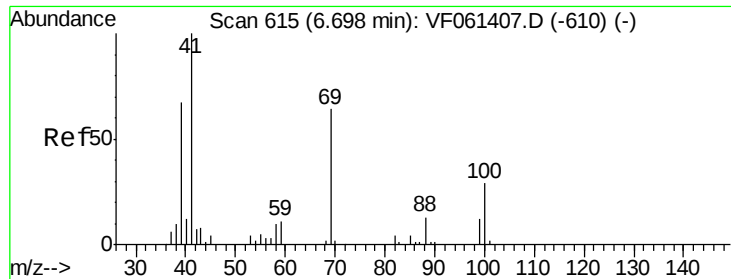
Delta R.T. -0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	41	Resp:	6581
Ion	Ratio	Lower	Upper
41	100		
69	62.3	51.7	77.5
39	49.5	49.2	73.8





#49

1,4-Dioxane

Concen: 107.367 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

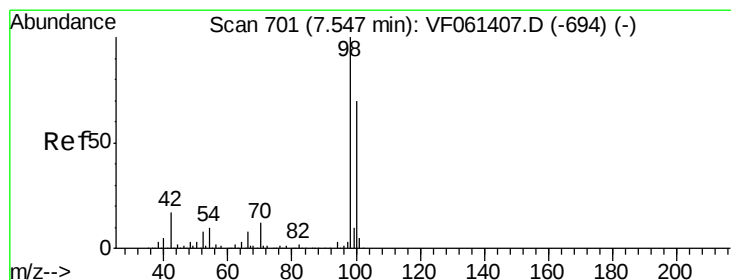
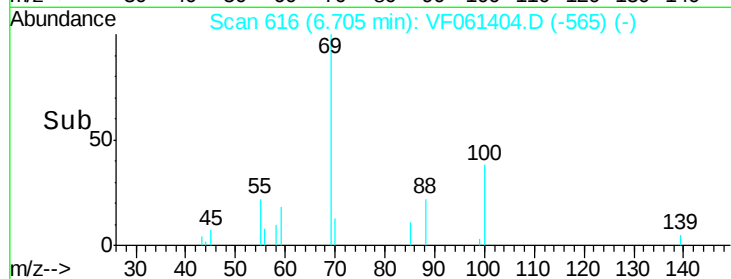
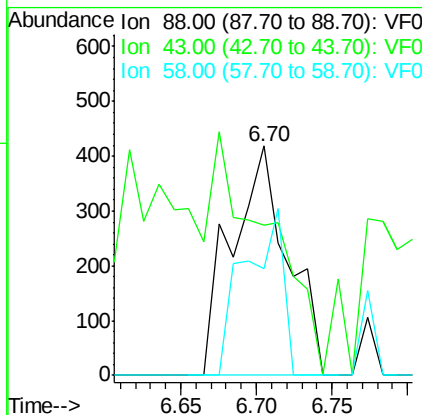
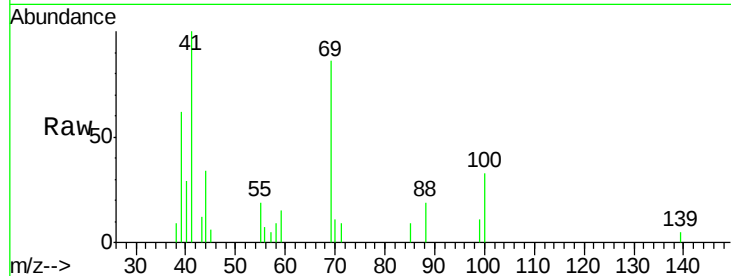
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	1087
Ion	Ratio	Lower	Upper
88	100		
43	65.8	55.5	83.3
58	46.4	59.9	89.9#

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#50

Toluene-d8

Concen: 5.253 ug/l

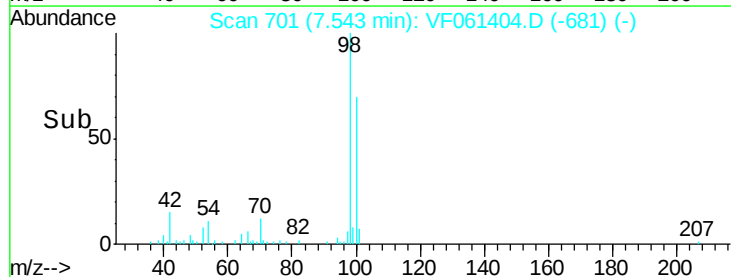
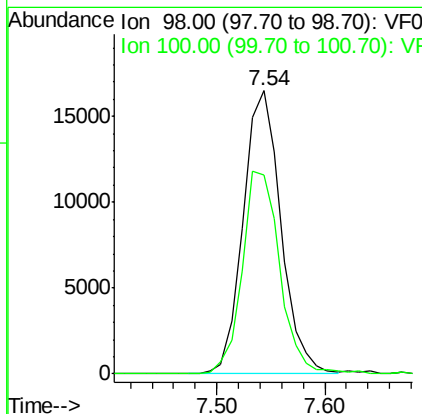
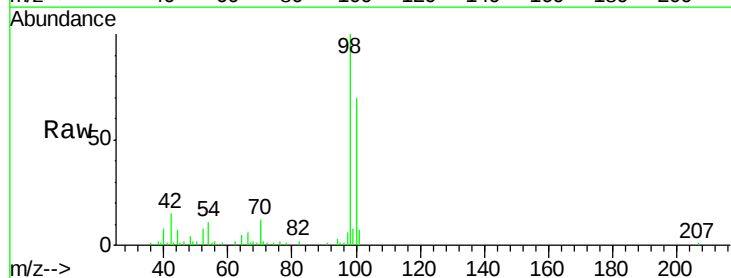
RT: 7.54 min Scan# 701

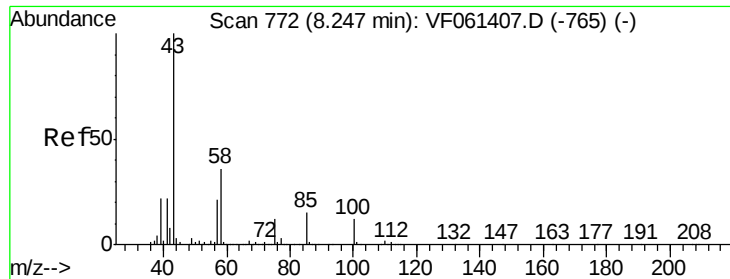
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	98	Resp:	40027
Ion	Ratio	Lower	Upper
98	100		
100	70.4	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 25.988 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 40863

Ion Ratio Lower Upper

43 100

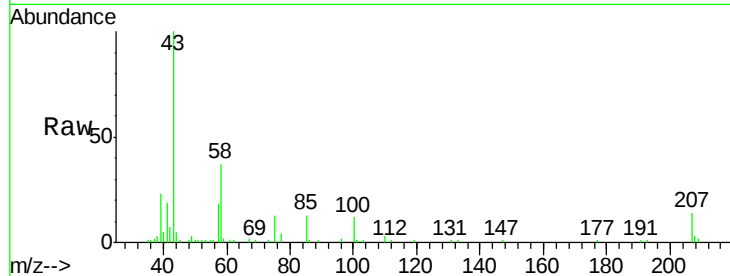
58 36.9 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

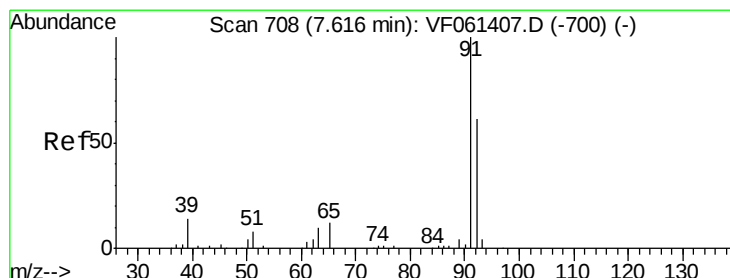
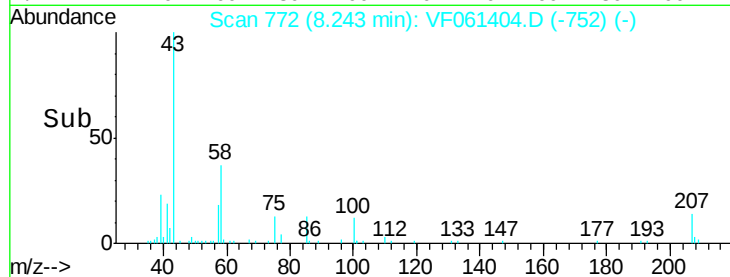
10000

5000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 5.232 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061404.D

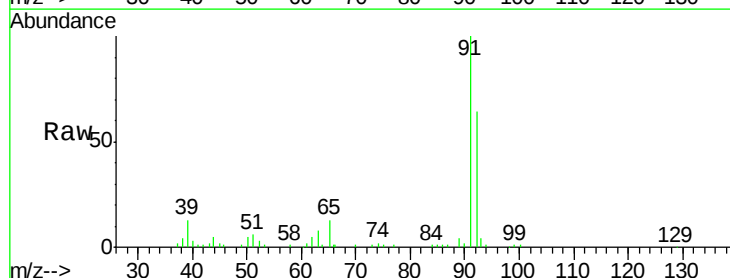
Acq: 15 Jan 2019 13:32

Tgt Ion: 92 Resp: 32580

Ion Ratio Lower Upper

92 100

91 157.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

25000

20000

15000

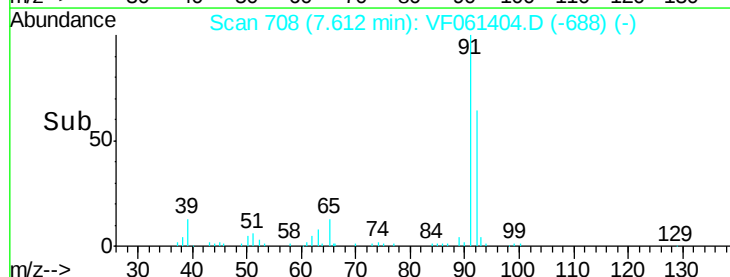
10000

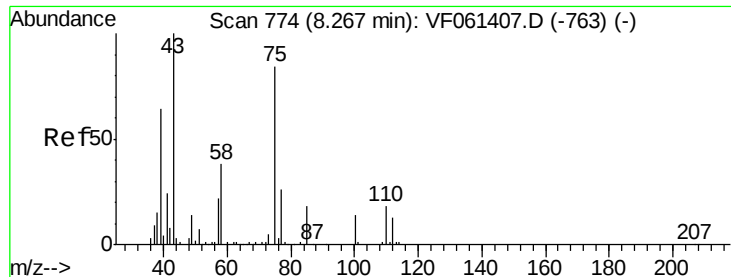
5000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.127 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 15952

Ion Ratio Lower Upper

75 100

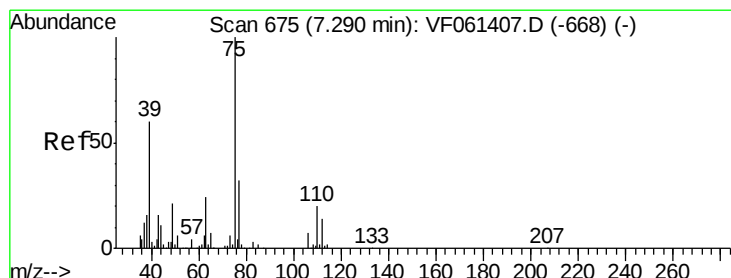
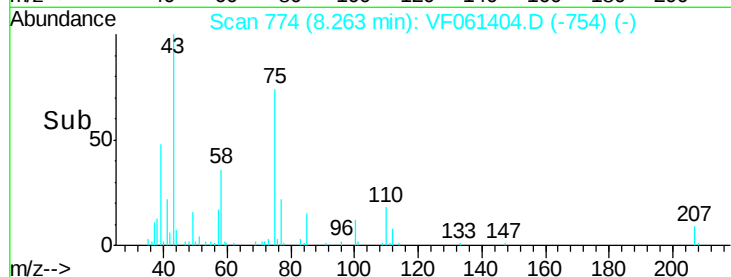
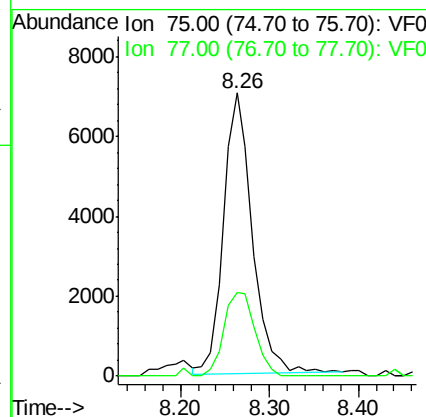
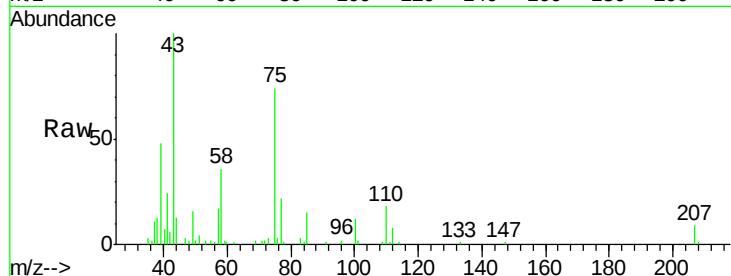
77 29.6 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 4.826 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

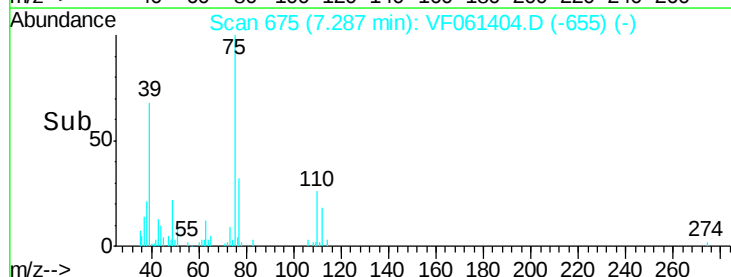
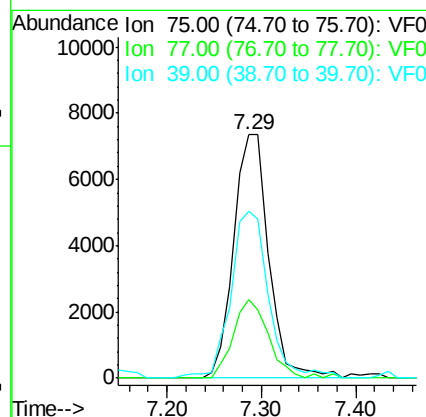
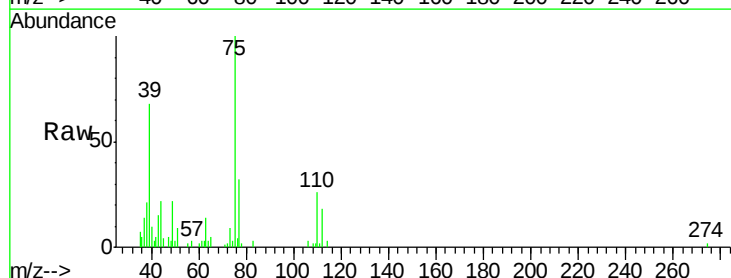
Tgt Ion: 75 Resp: 18885

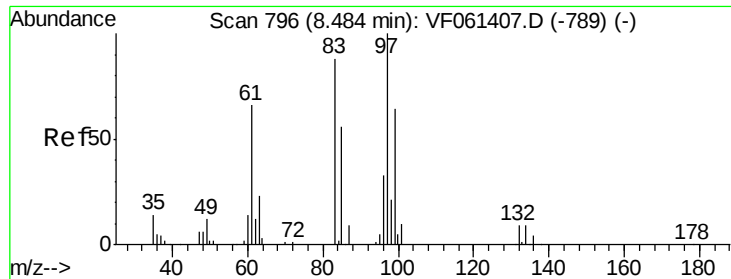
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 68.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 4.705 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

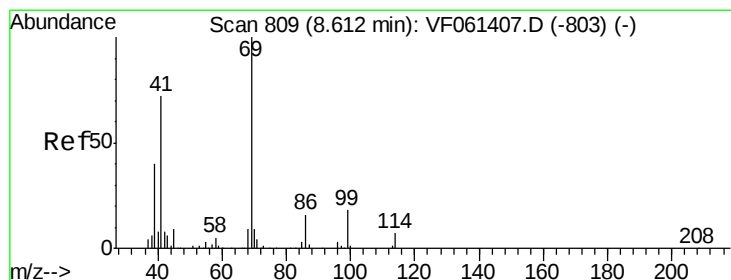
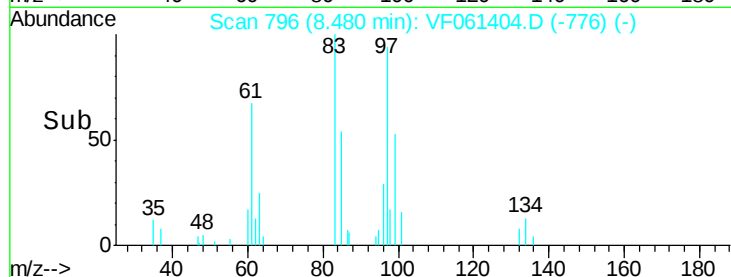
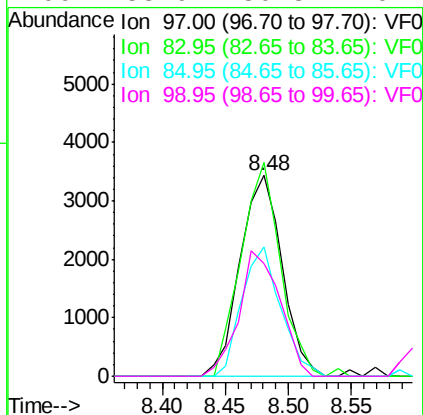
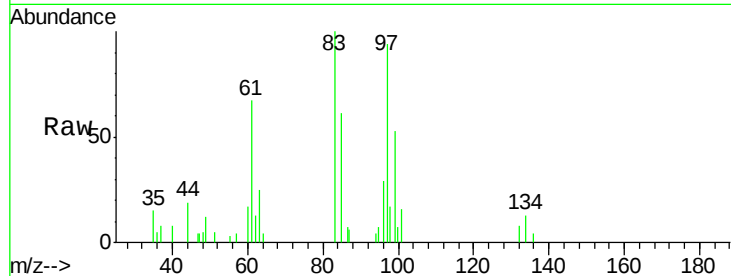
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	7963
Ion	Ratio	Lower	Upper
97	100		
83	106.5	70.4	105.6#
85	64.5	44.7	67.1
99	55.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 5.056 ug/l

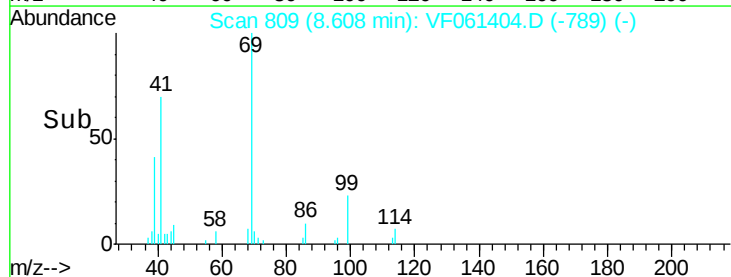
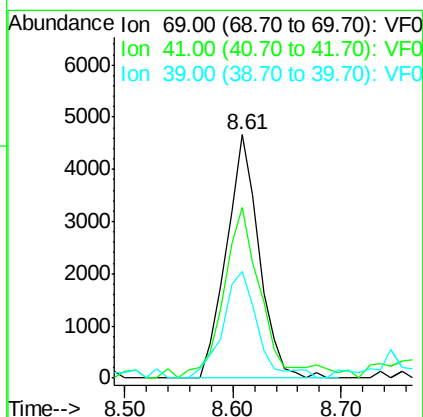
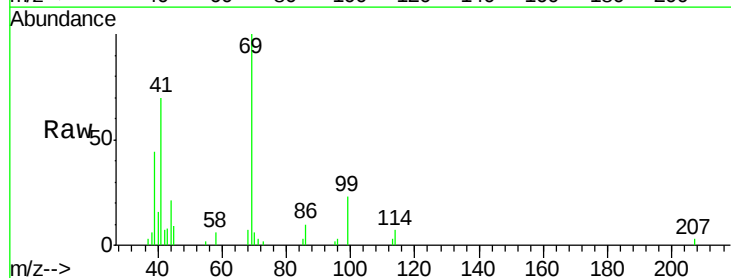
RT: 8.61 min Scan# 809

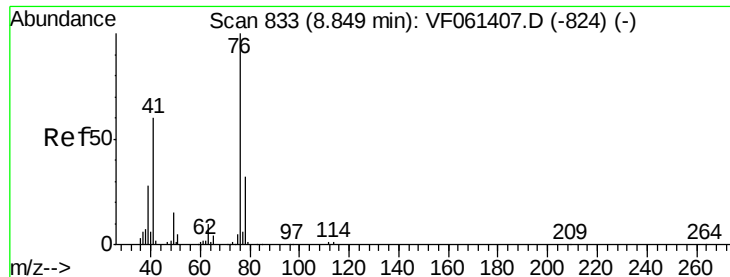
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	69	Resp:	9806
Ion	Ratio	Lower	Upper
69	100		
41	70.3	57.5	86.3
39	43.7	32.0	48.0





#57

1,3-Dichloropropane

Concen: 5.081 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 15951

Ion Ratio Lower Upper

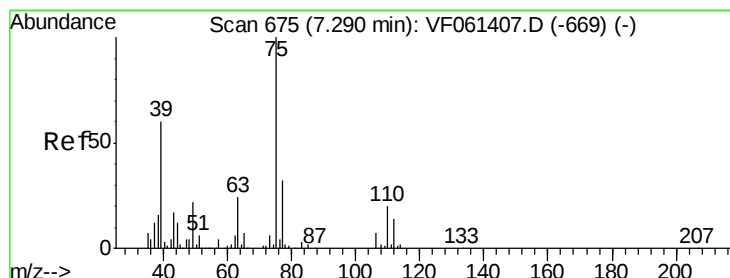
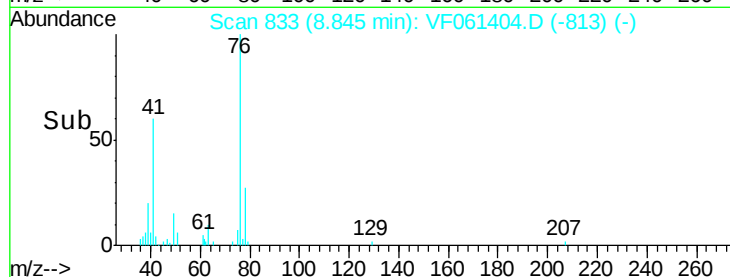
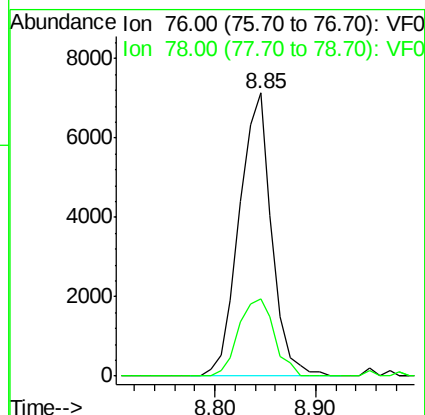
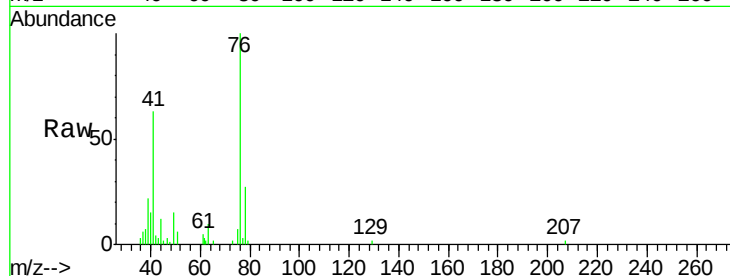
76 100

78 27.3 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 22.124 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061404.D

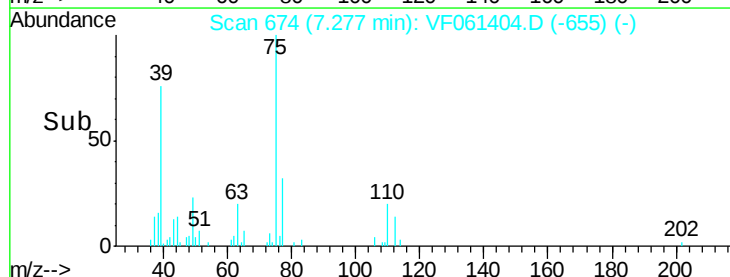
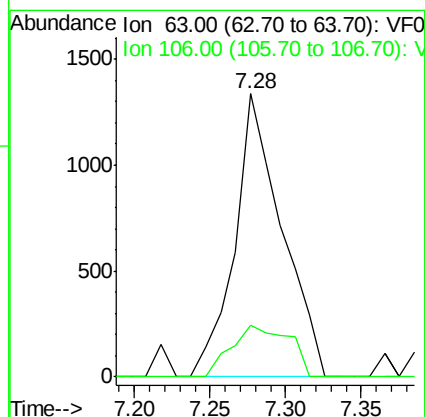
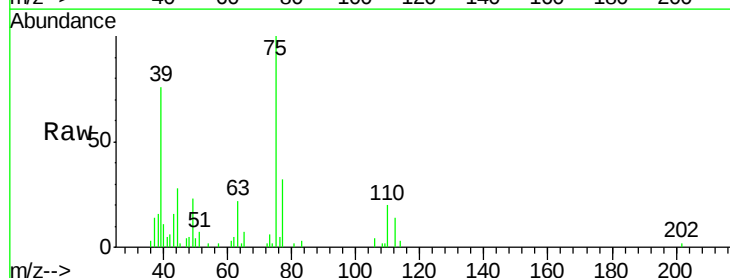
Acq: 15 Jan 2019 13:32

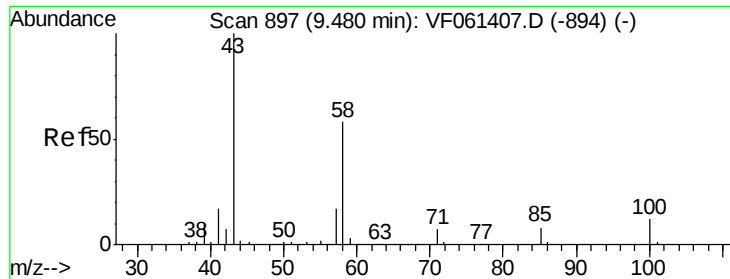
Tgt Ion: 63 Resp: 2903

Ion Ratio Lower Upper

63 100

106 18.5 21.9 32.9#





#59

2-Hexanone

Concen: 24.367 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26669

Ion Ratio Lower Upper

43 100

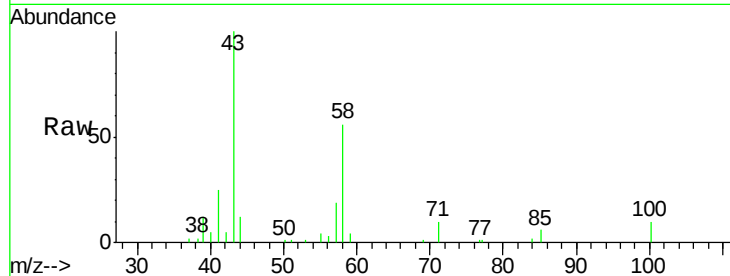
58 55.6 25.9 77.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

12000

10000

8000

6000

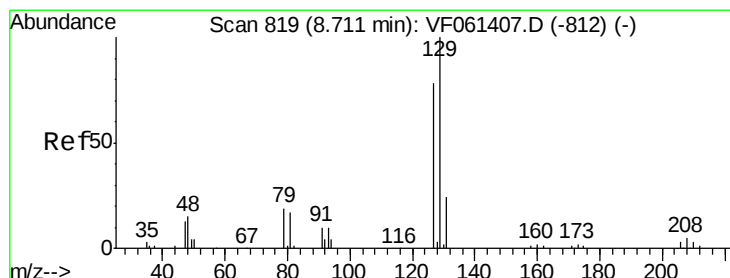
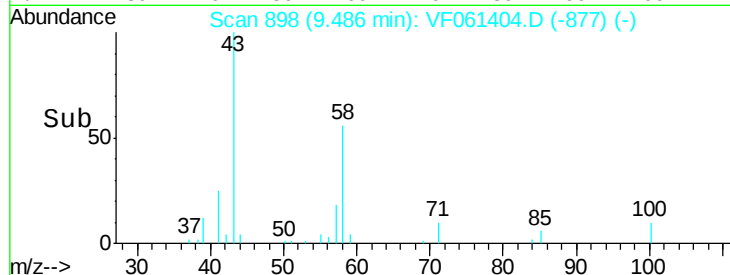
4000

2000

0

9.40 9.45 9.50 9.55 9.60

Time-->



#60

Dibromochloromethane

Concen: 4.469 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.01 min

Lab File: VF061404.D

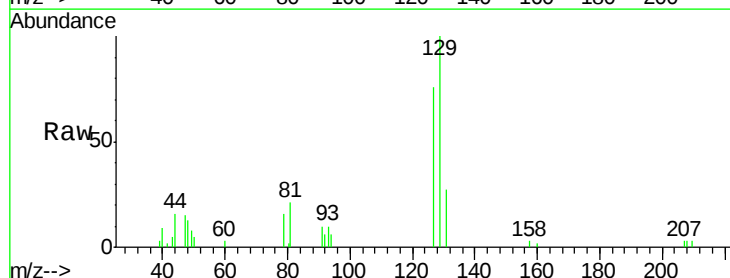
Acq: 15 Jan 2019 13:32

Tgt Ion: 129 Resp: 10751

Ion Ratio Lower Upper

129 100

127 76.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

5000

4000

3000

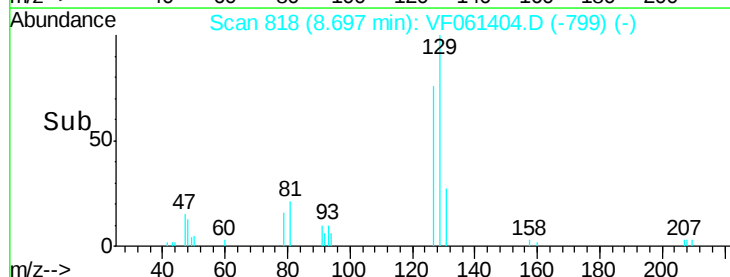
2000

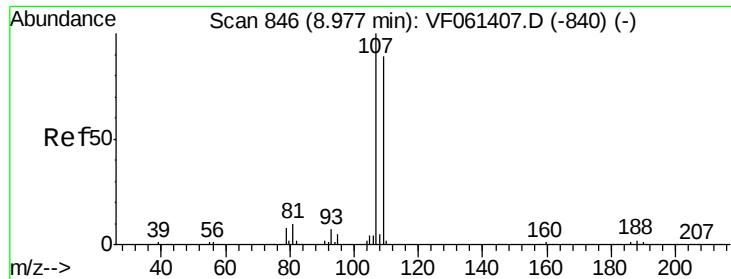
1000

0

8.60 8.70 8.80

Time-->





#61

1,2-Dibromoethane

Concen: 4.824 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 9341

Ion Ratio Lower Upper

107 100

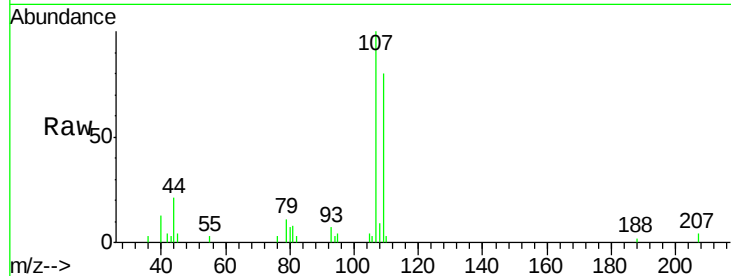
109 79.9 70.8 106.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

4000

3000

2000

1000

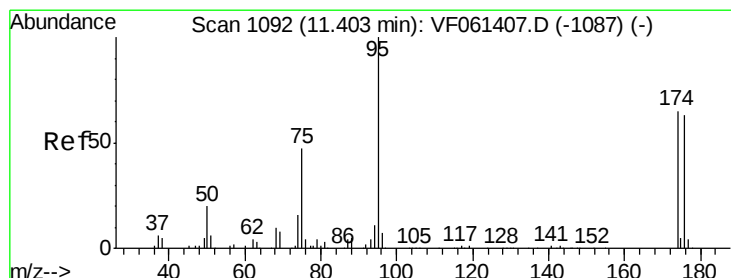
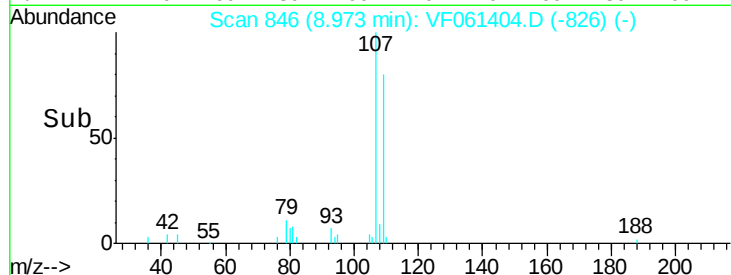
0

Time-->

8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 5.297 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

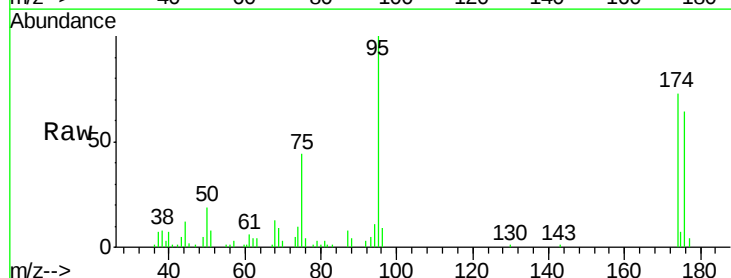
Tgt Ion: 95 Resp: 19499

Ion Ratio Lower Upper

95 100

174 73.2 0.0 130.4

176 63.8 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.40

15000

10000

5000

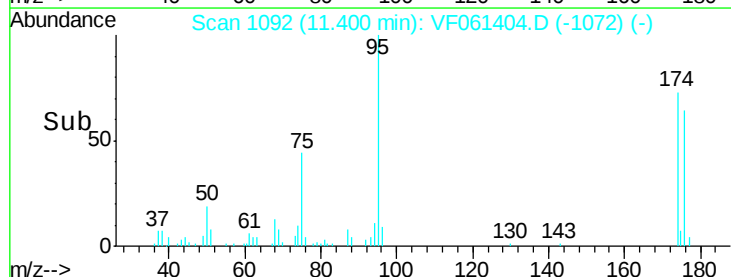
0

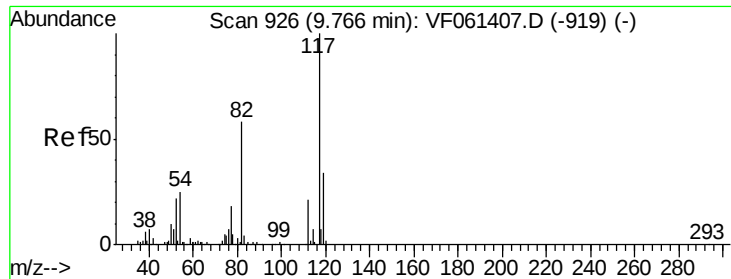
Time-->

11.30

11.40

11.50





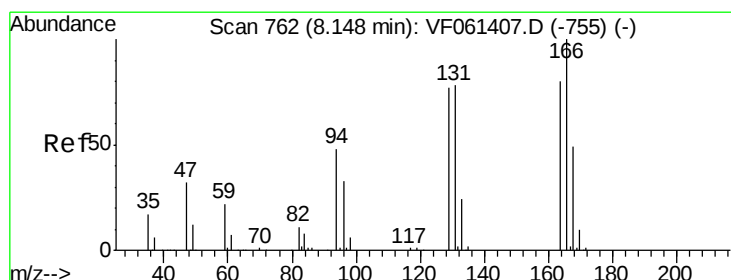
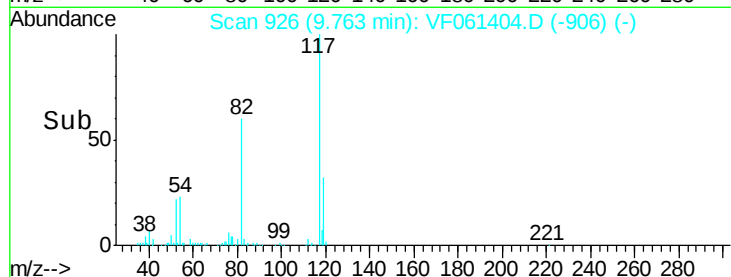
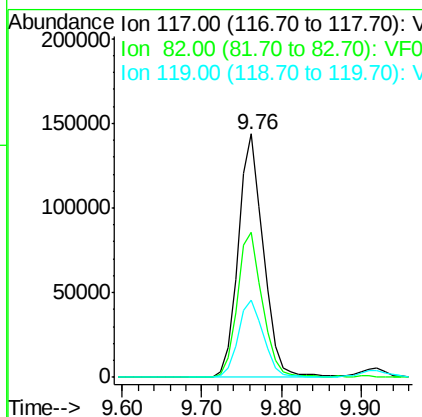
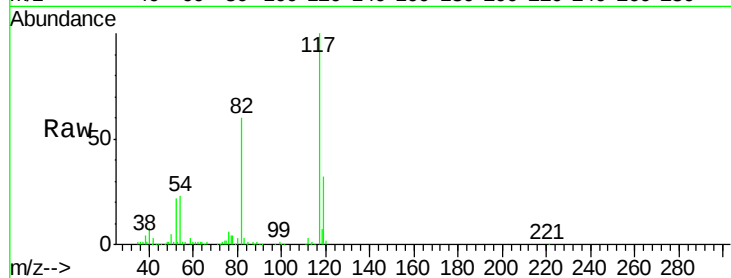
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.4	69.6
119	31.5	27.2	40.8

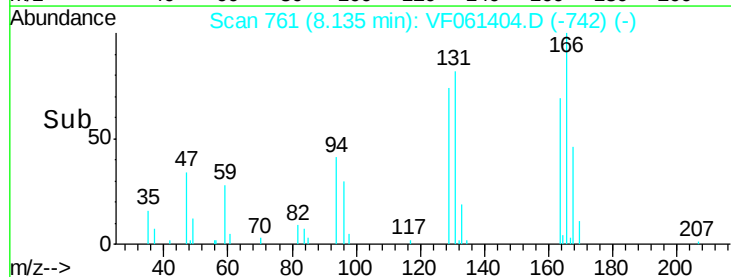
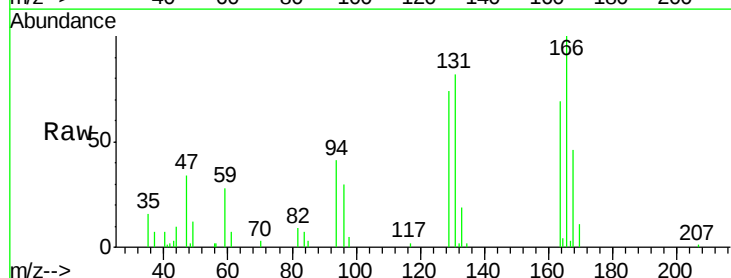
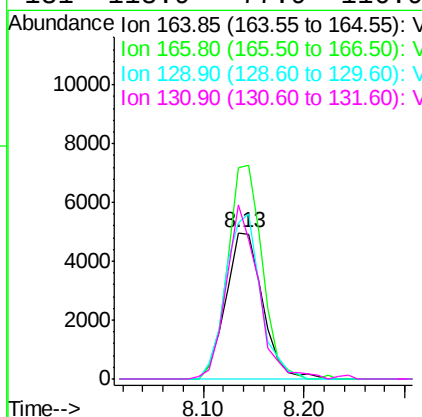
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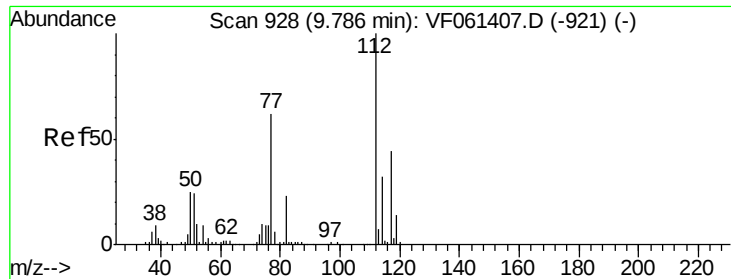
apatel
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#64
Tetrachloroethene
Concen: 5.270 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	144.5	99.6	149.4
129	106.6	76.4	114.6
131	118.9	77.9	116.9#





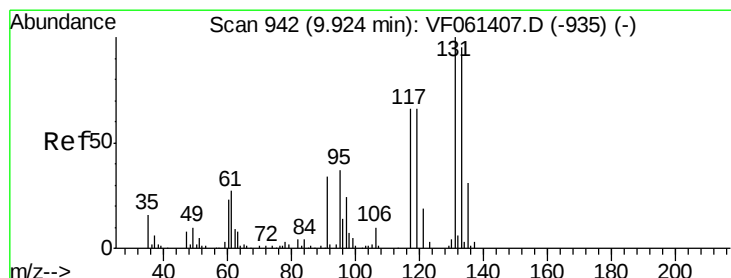
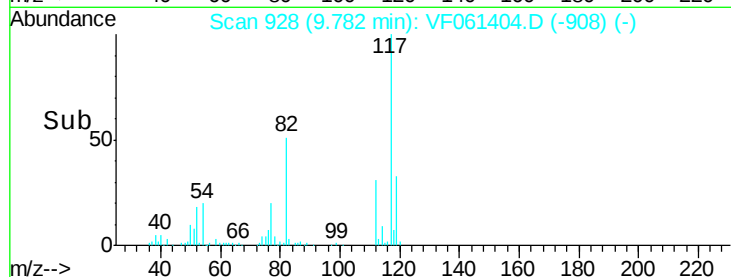
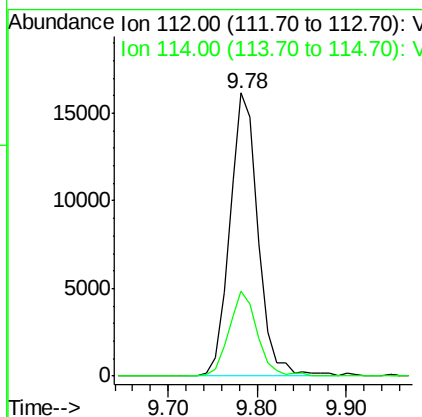
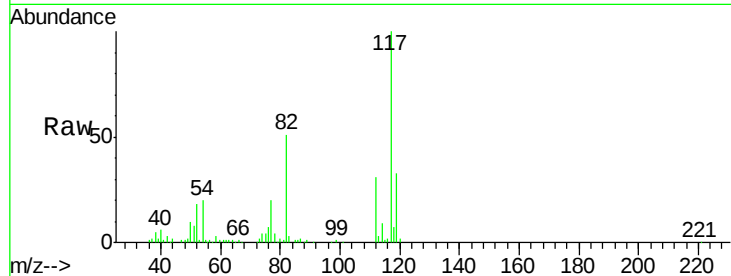
#65
Chlorobenzene
Concen: 5.396 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 35954
Ion Ratio Lower Upper
112 100
114 29.9 25.4 38.0

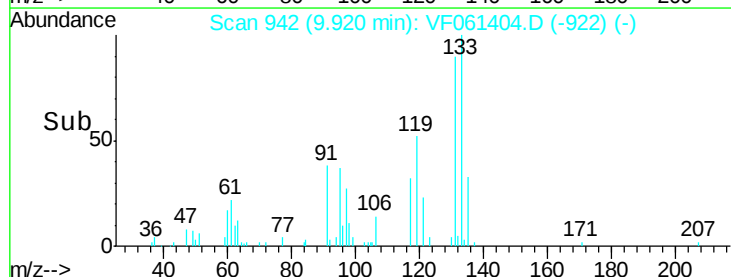
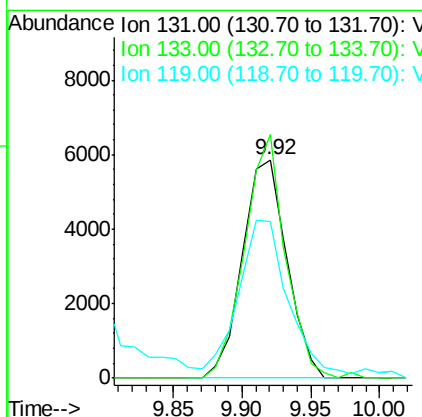
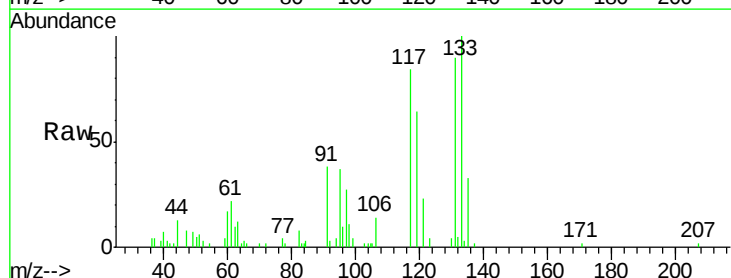
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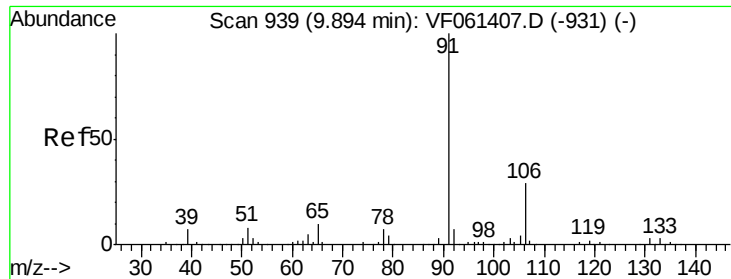
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.073 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion:131 Resp: 13232
Ion Ratio Lower Upper
131 100
133 111.5 47.4 142.2
119 71.4 33.1 99.3





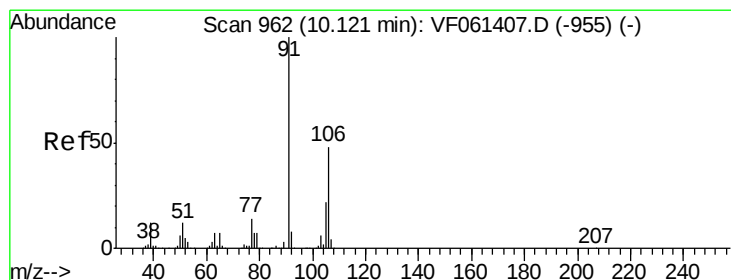
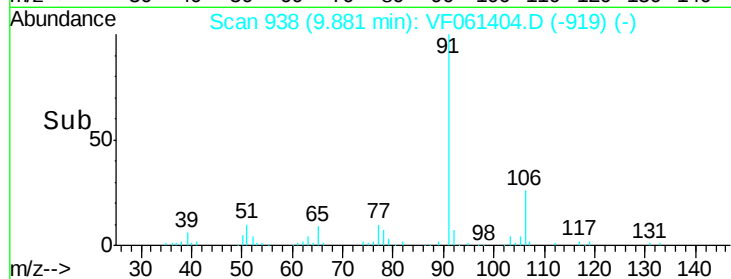
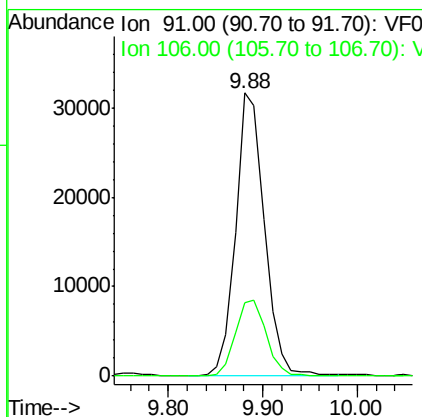
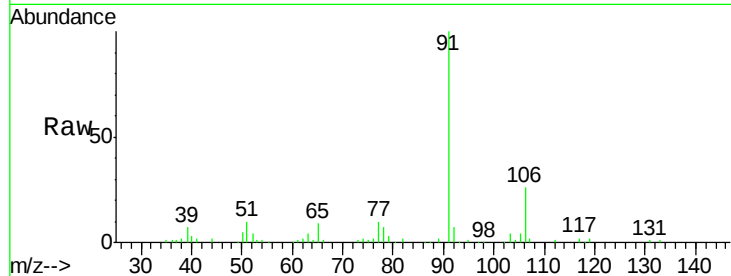
#67
Ethyl Benzene
Concen: 5.426 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 66946
Ion Ratio Lower Upper
91 100
106 25.9 23.1 34.7

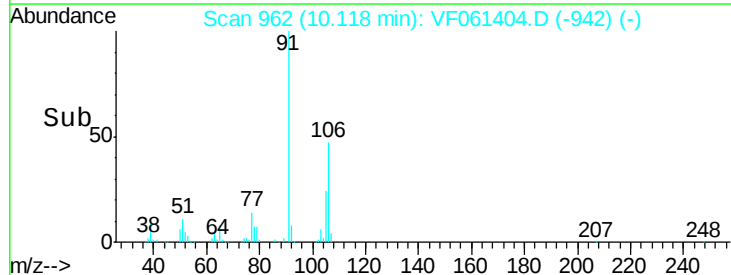
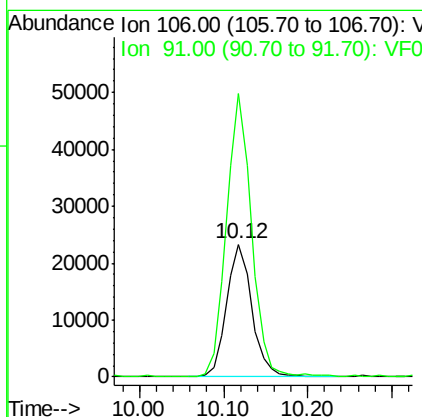
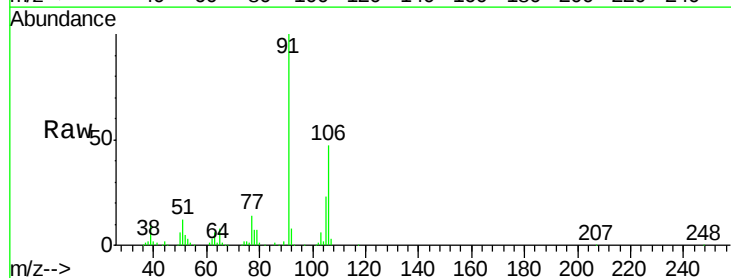
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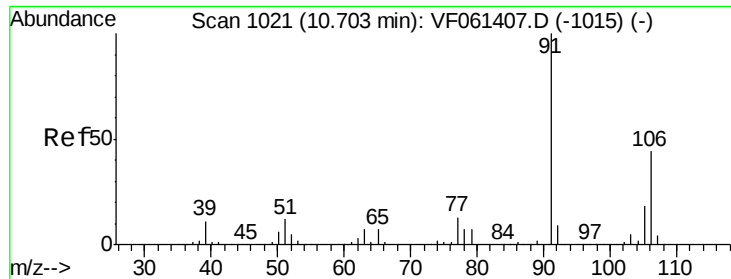
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#68
m/p-Xylenes
Concen: 11.005 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion: 106 Resp: 48987
Ion Ratio Lower Upper
106 100
91 213.9 166.2 249.4





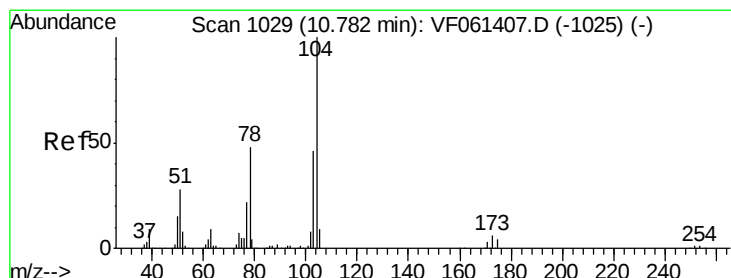
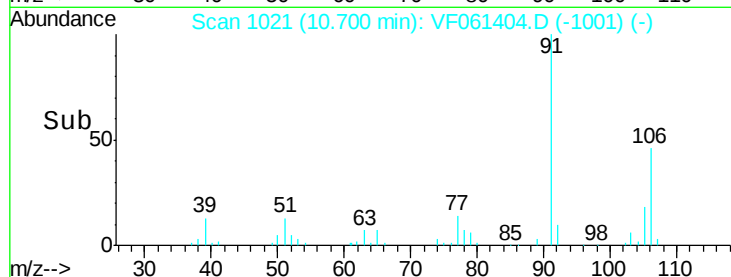
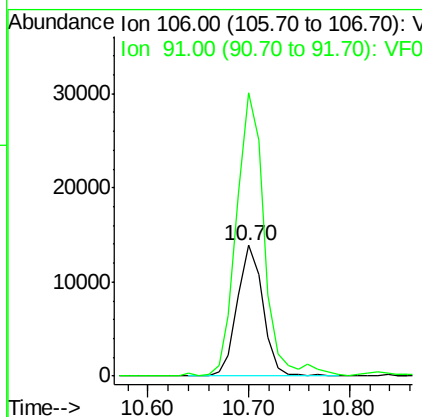
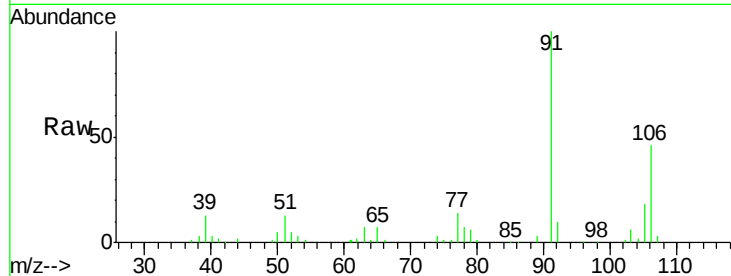
#69
o-Xylene
Concen: 5.178 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24616
Ion Ratio Lower Upper
106 100
91 216.5 113.3 339.8

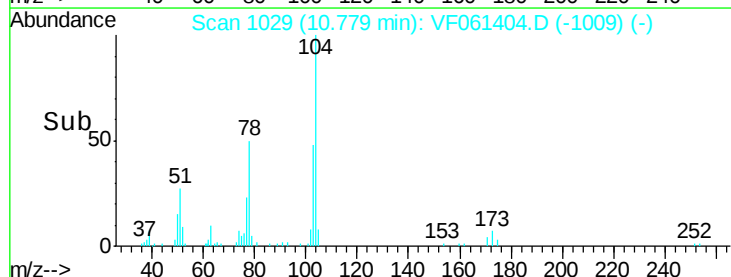
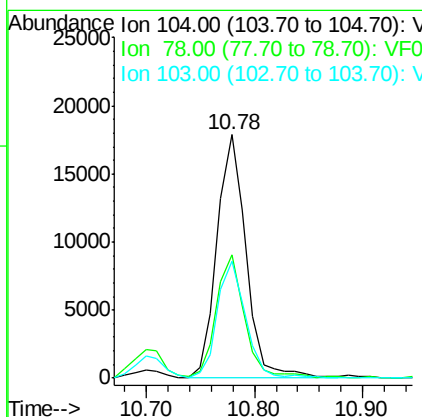
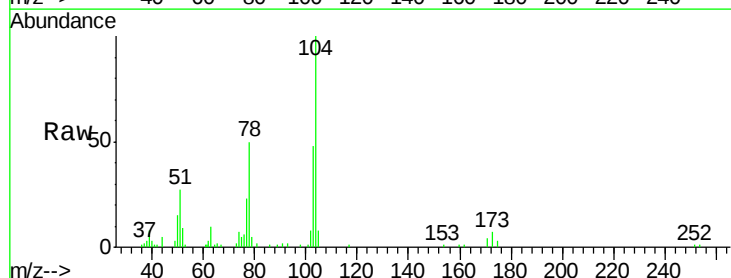
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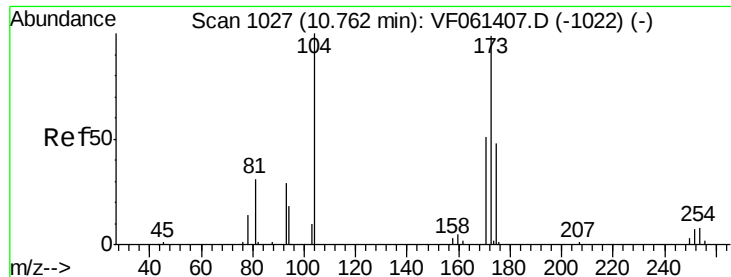
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#70
Styrene
Concen: 5.095 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion:104 Resp: 33620
Ion Ratio Lower Upper
104 100
78 50.4 38.8 58.2
103 47.8 37.0 55.6





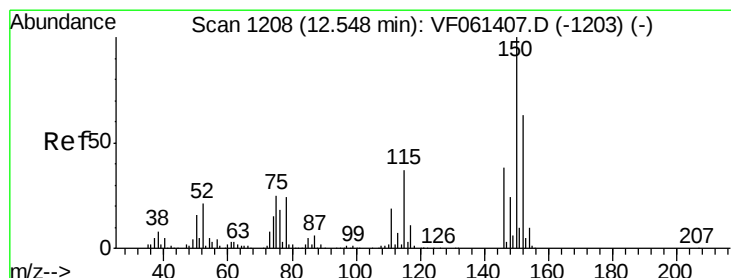
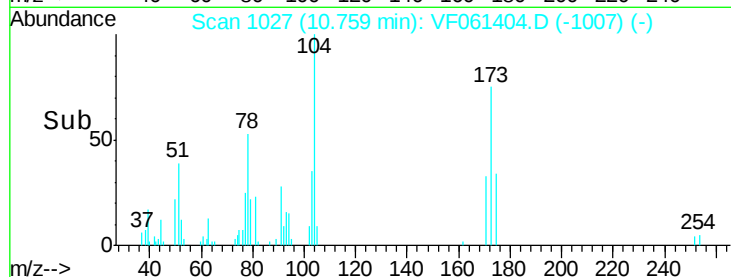
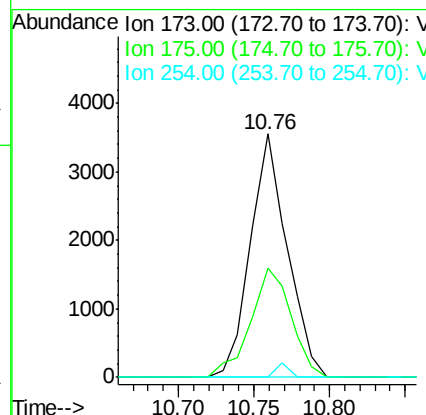
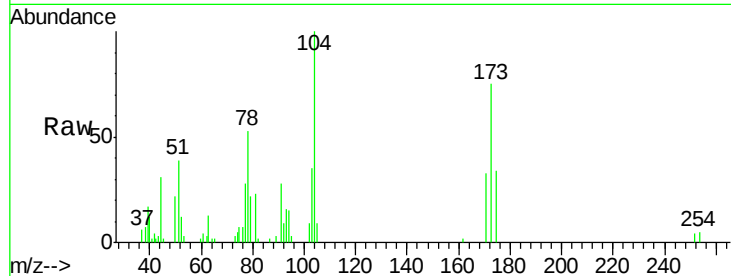
#71
Bromoform
Concen: 5.401 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.0	24.1	72.4
254	0.0	0.0	0.0

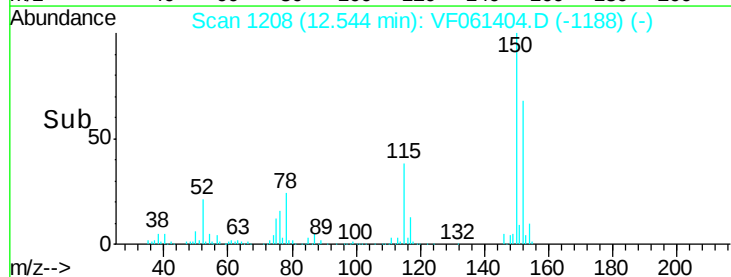
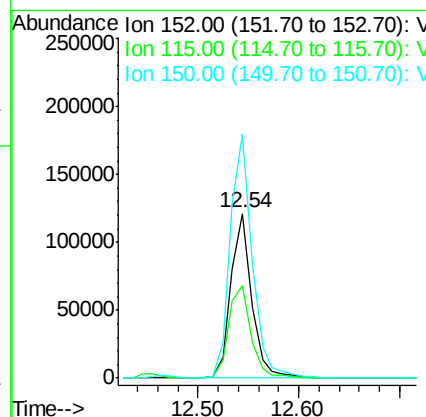
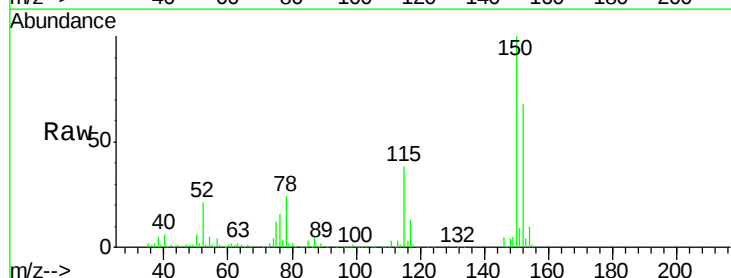
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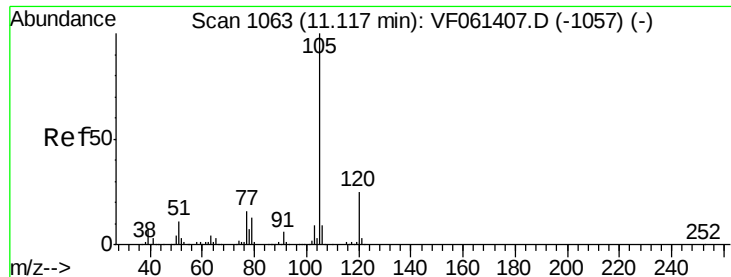
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	30.0	90.0
150	147.9	0.0	321.4





#73

Isopropylbenzene

Concen: 5.246 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 80164

Ion Ratio Lower Upper

105 100

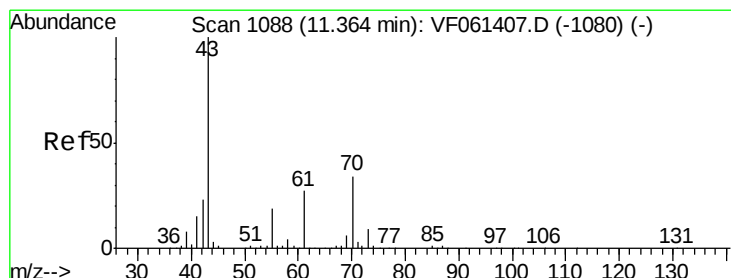
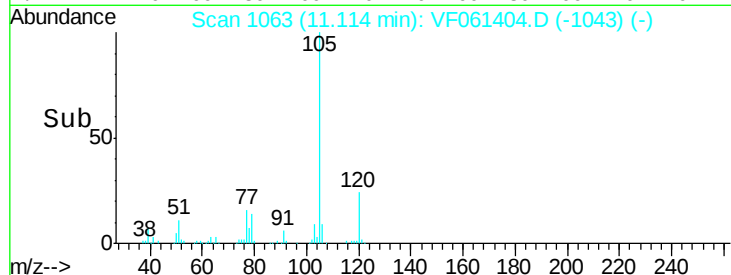
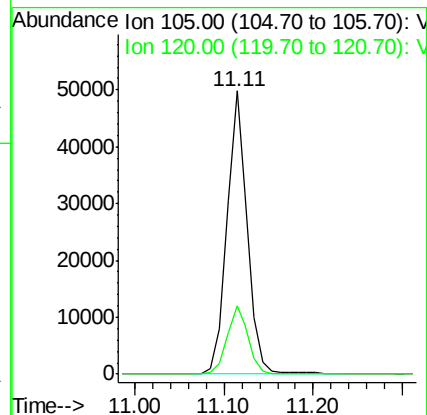
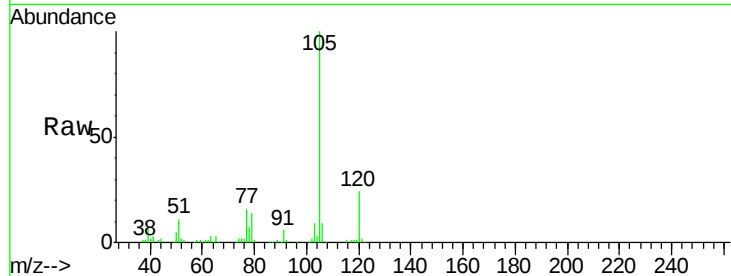
120 24.2 12.6 37.8

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#74

N-ethyl acetate

Concen: 4.632 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion: 43 Resp: 16259

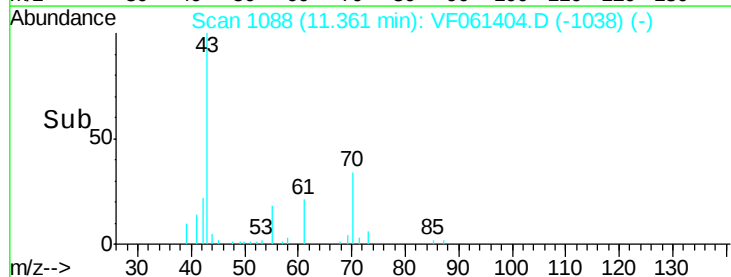
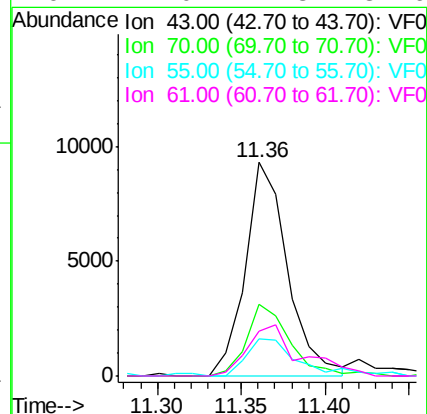
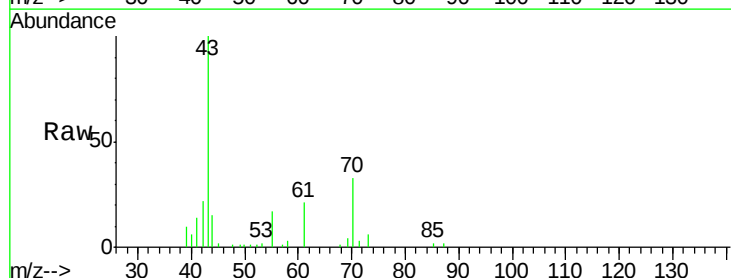
Ion Ratio Lower Upper

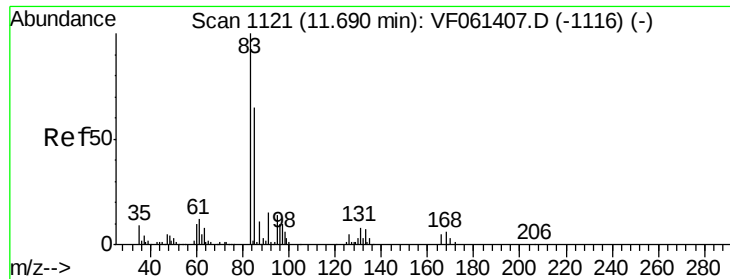
43 100

70 33.3 27.6 41.4

55 17.5 15.4 23.2

61 21.0 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.122 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

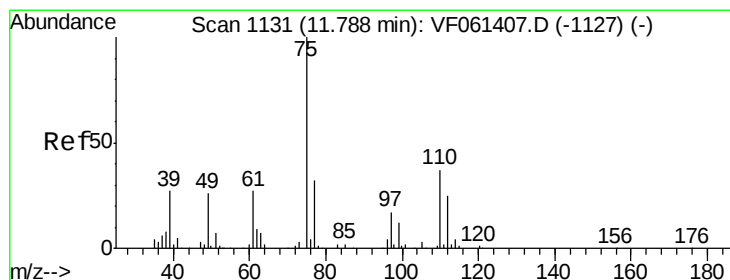
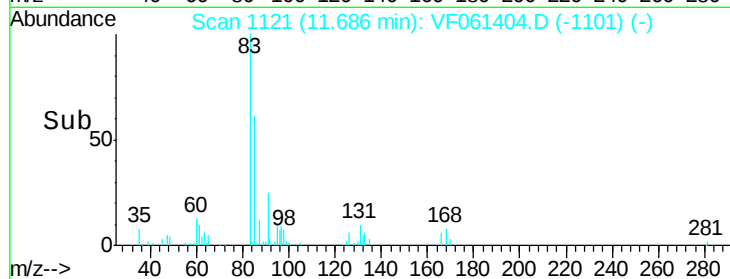
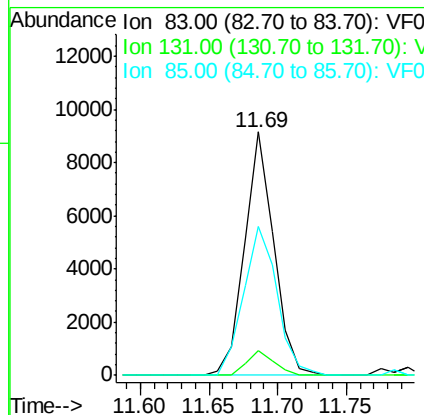
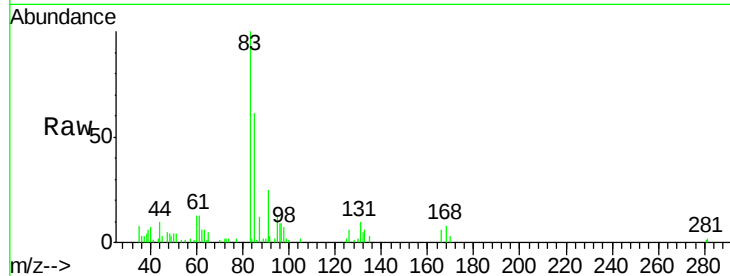
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13614
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.0	12.2
85	61.3	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 5.333 ug/l

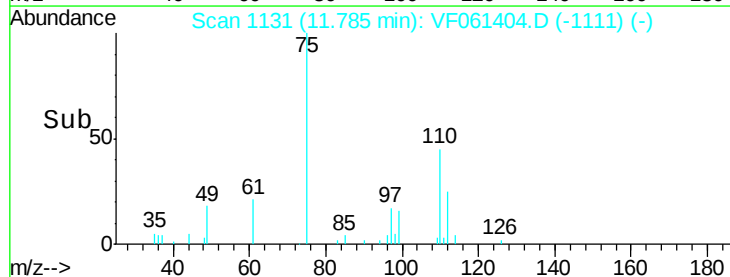
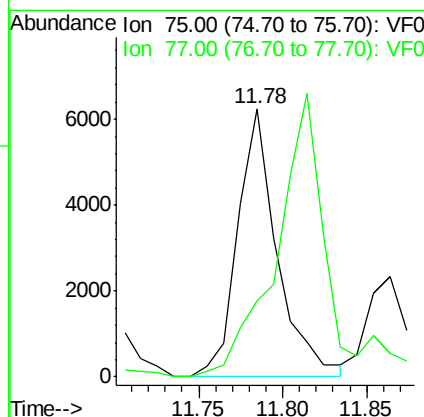
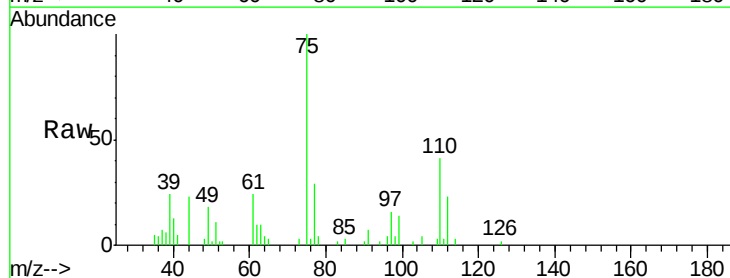
RT: 11.78 min Scan# 1131

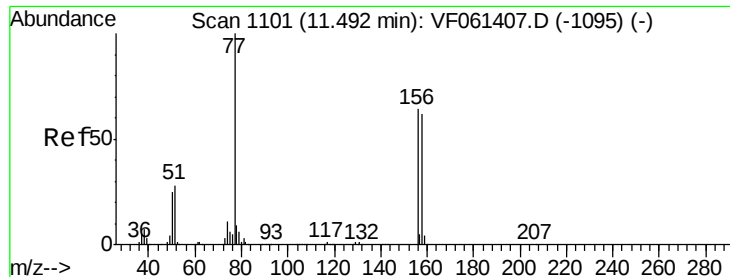
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	75	Resp:	10188
Ion Ratio	Lower	Upper	
75	100		
77	28.6	16.1	48.3





#77

Bromobenzene

Concen: 5.086 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15865

Ion Ratio Lower Upper

156 100

77 159.9 78.3 234.9

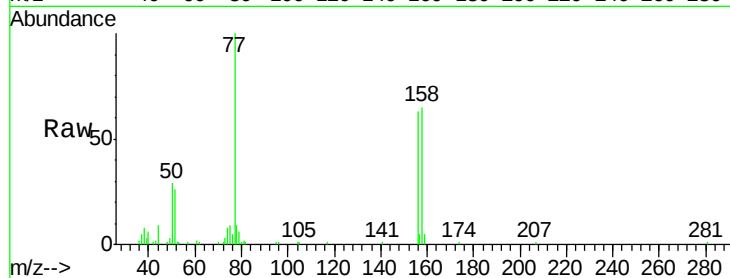
158 104.6 48.9 146.7

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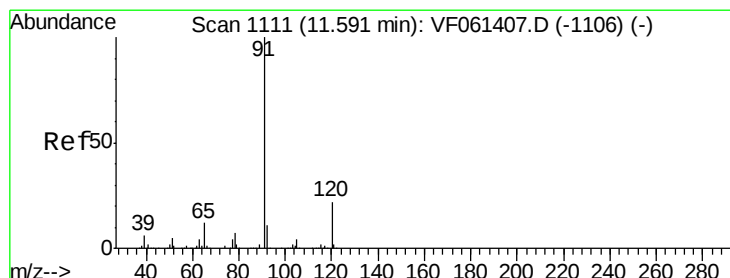
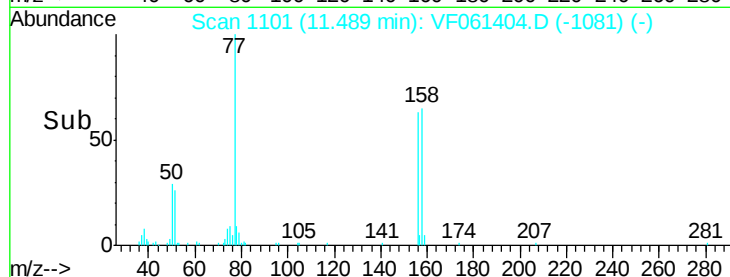
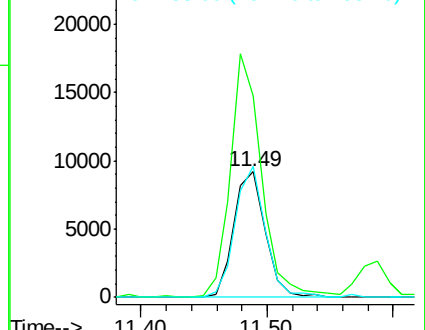
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.462 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061404.D

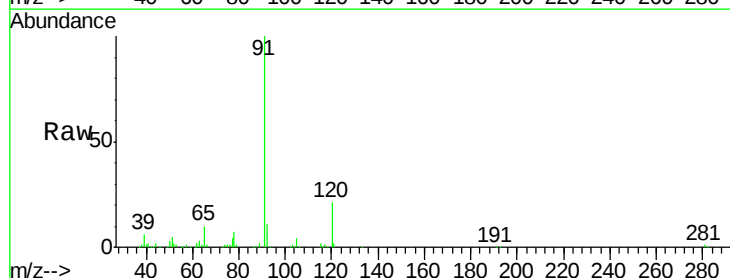
Acq: 15 Jan 2019 13:32

Tgt Ion: 91 Resp: 101681

Ion Ratio Lower Upper

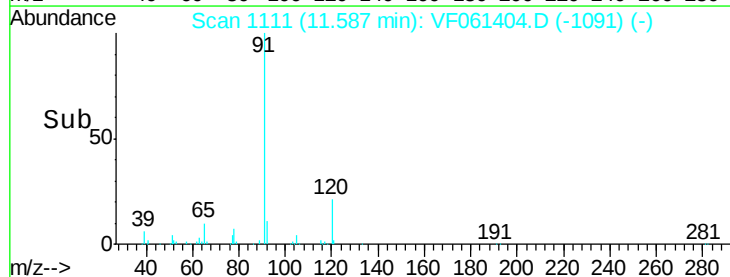
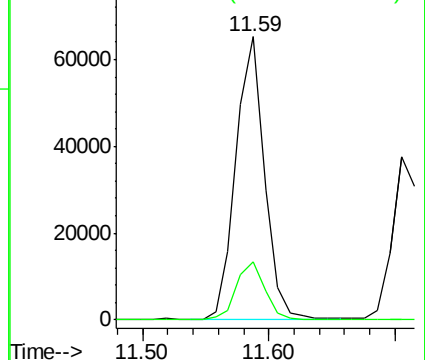
91 100

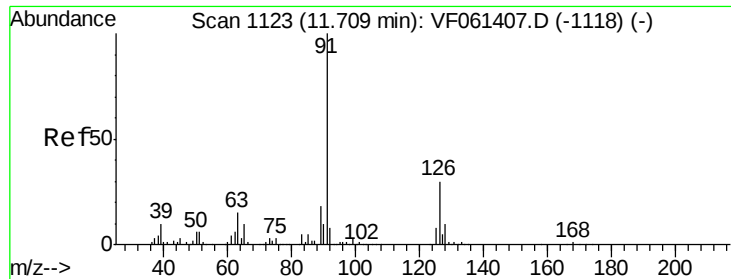
120 20.6 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





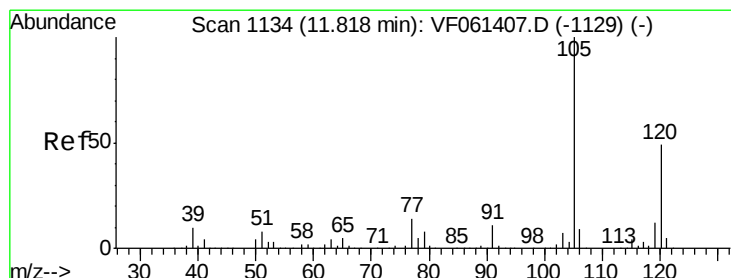
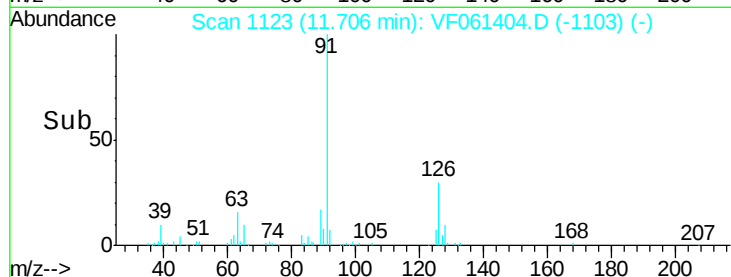
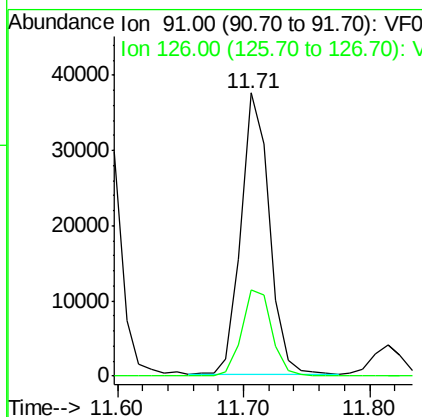
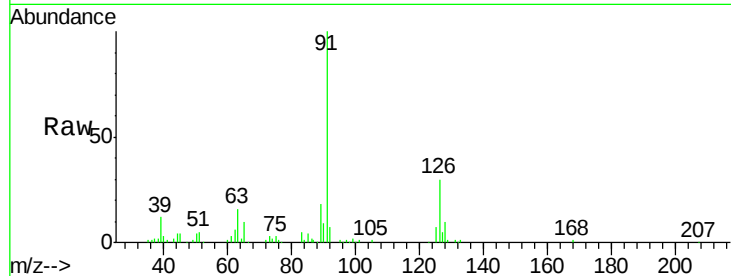
#79
 2-Chlorotoluene
 Concen: 5.528 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 58487
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.0 45.1

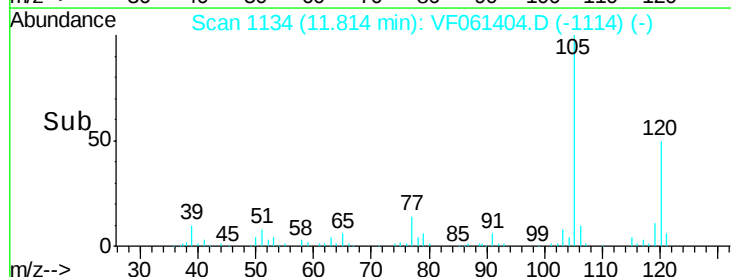
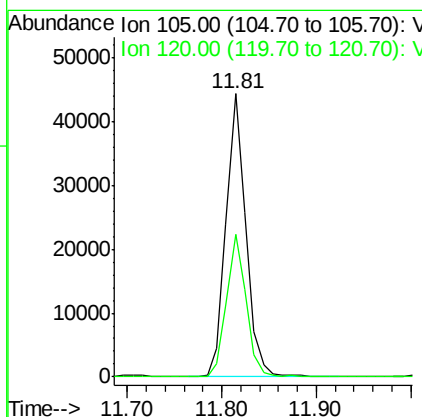
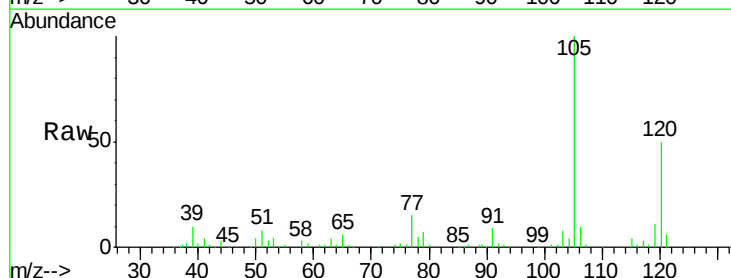
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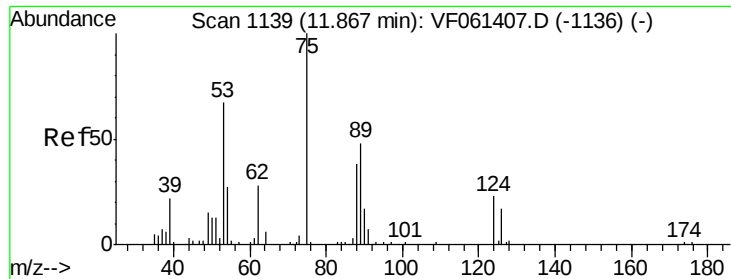
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.307 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion: 105 Resp: 64745
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.068 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

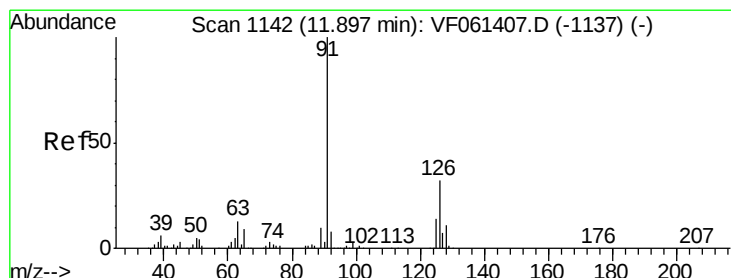
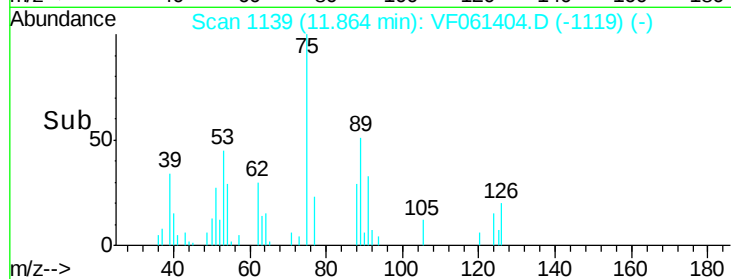
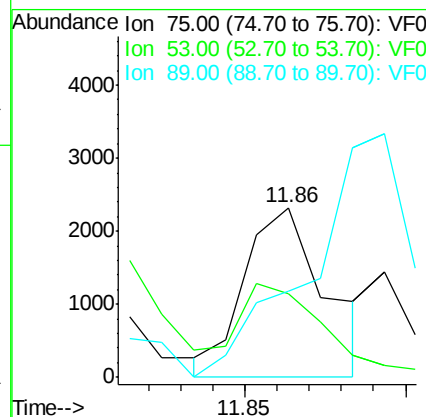
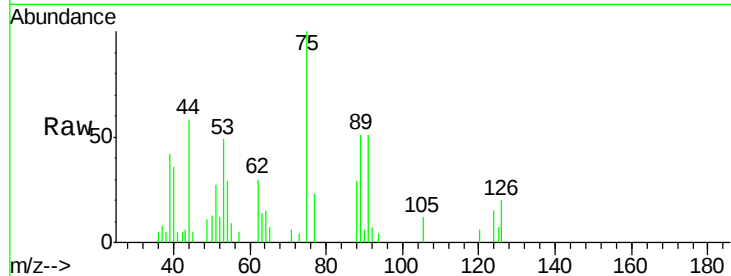
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4101
Ion	Ratio	Lower	Upper
75	100		
53	49.4	57.8	86.6#
89	51.1	40.7	61.1

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#82

4-Chlorotoluene

Concen: 5.382 ug/l

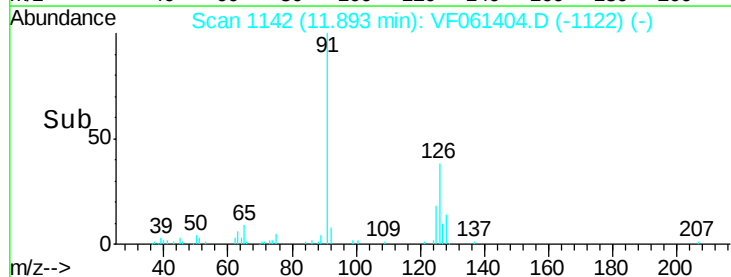
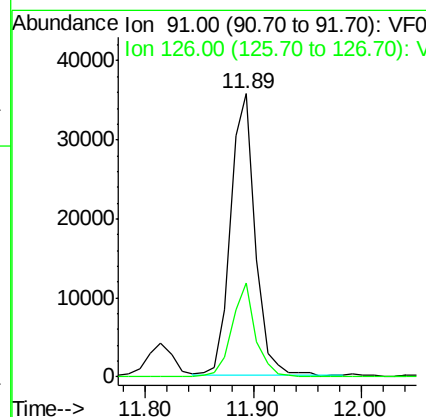
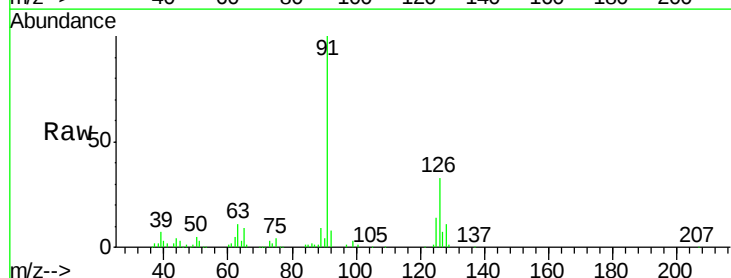
RT: 11.89 min Scan# 1142

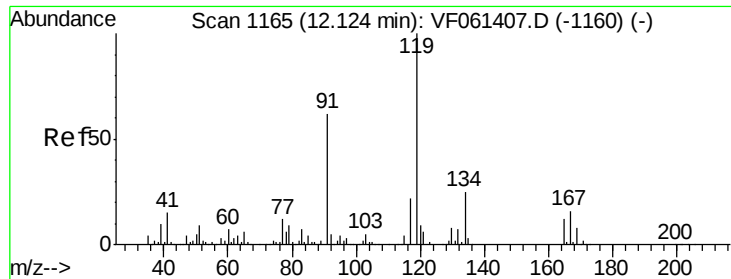
Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Tgt Ion:	91	Resp:	56401
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.0	47.9





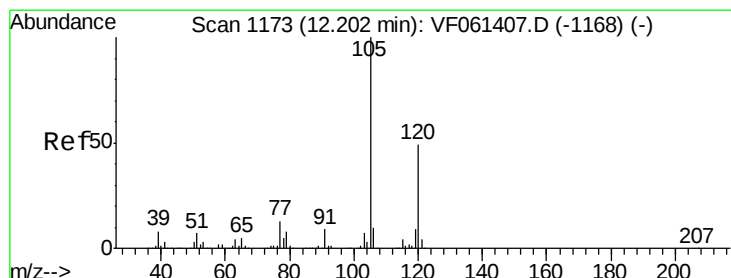
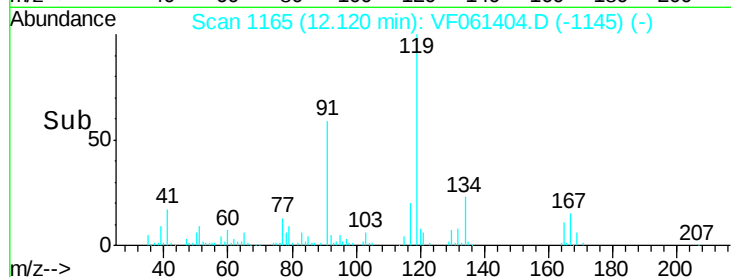
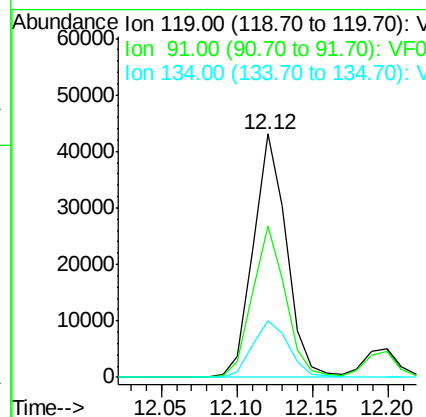
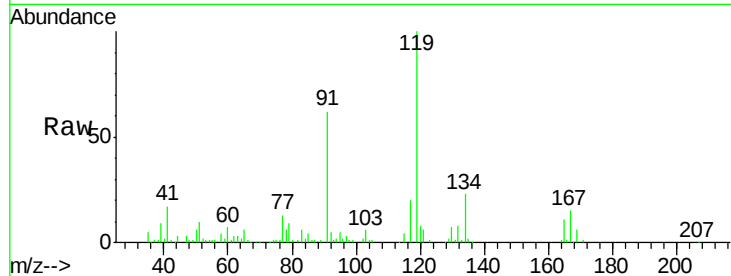
#83
 tert-Butylbenzene
 Concen: 5.212 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	66109		
91	62.3		31.3	93.8
134	23.3		12.4	37.0

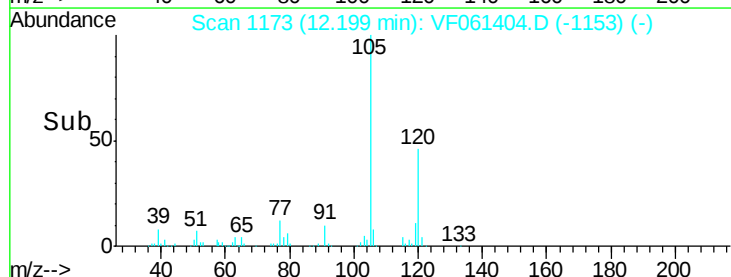
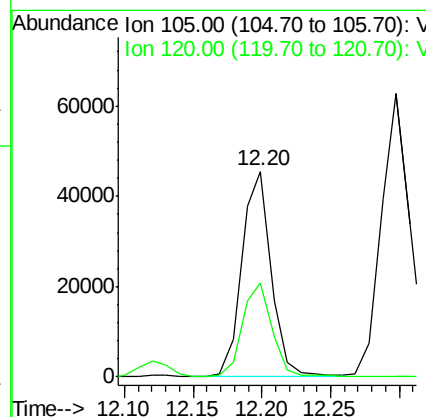
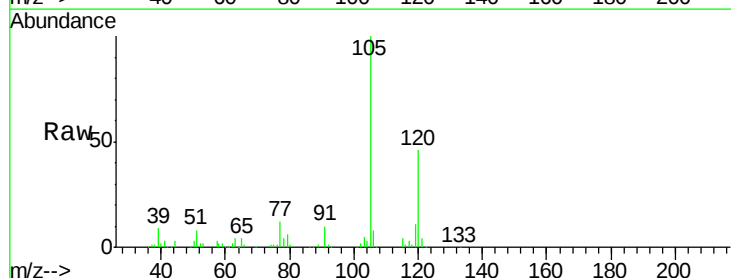
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.381 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	67907		
120	45.8		24.9	74.6





#85

sec-Butylbenzene

Concen: 5.317 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 91729

Ion Ratio Lower Upper

105 100

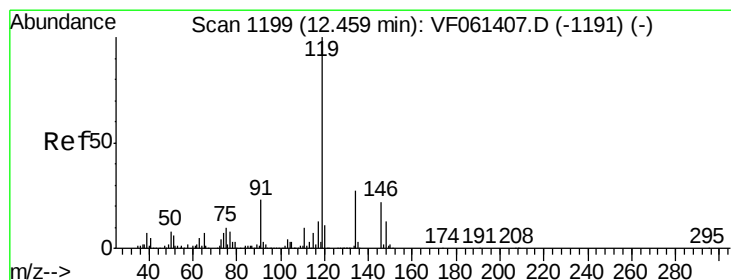
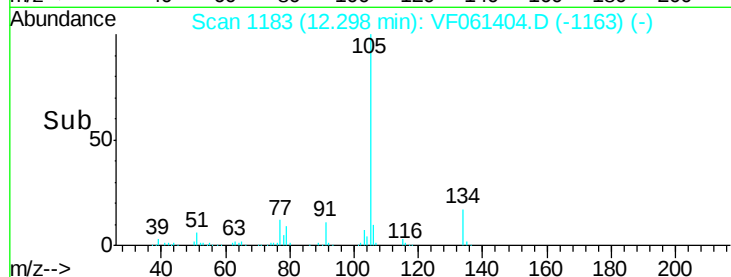
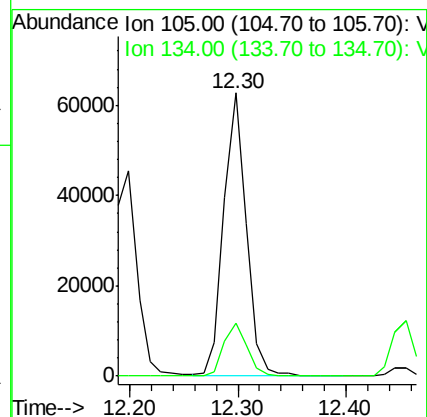
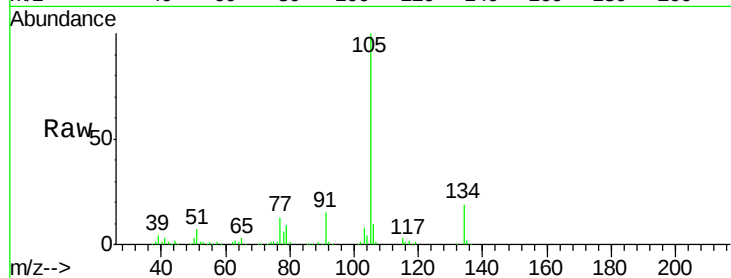
134 18.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 5.325 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061404.D

Acq: 15 Jan 2019 13:32

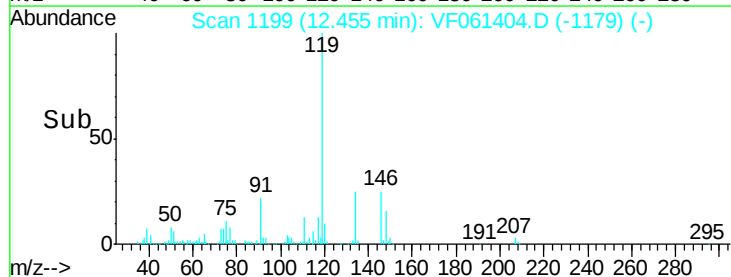
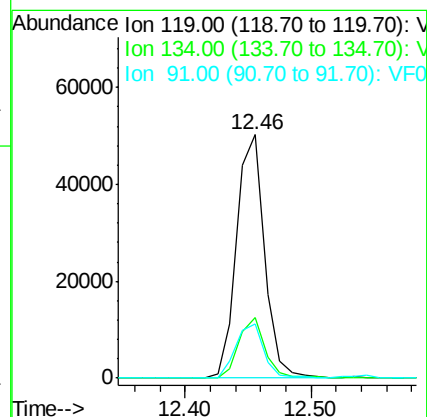
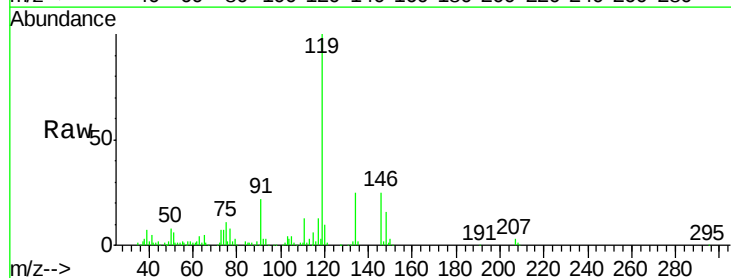
Tgt Ion:119 Resp: 76476

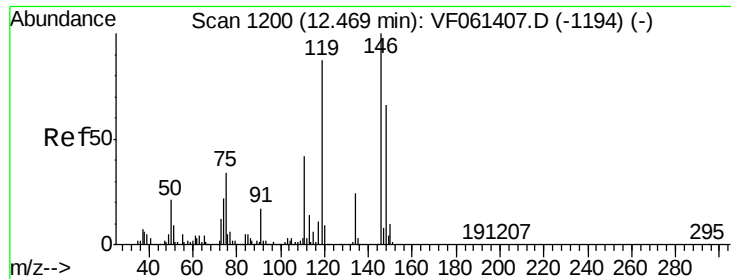
Ion Ratio Lower Upper

119 100

134 24.7 13.4 40.2

91 22.2 11.4 34.2





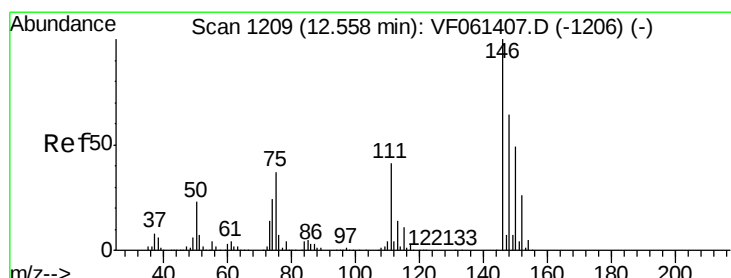
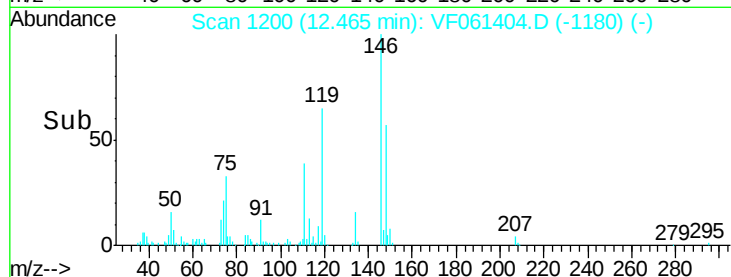
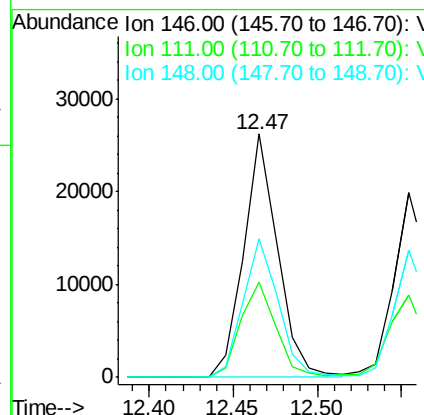
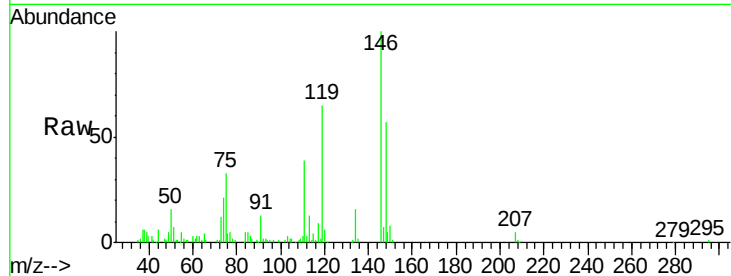
#87
 1,3-Dichlorobenzene
 Concen: 5.761 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.1	63.4
148	56.9	32.9	98.6

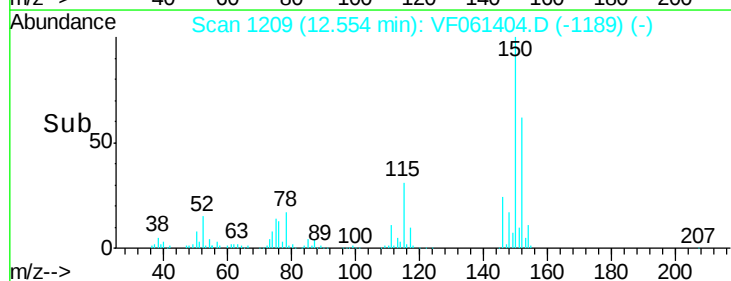
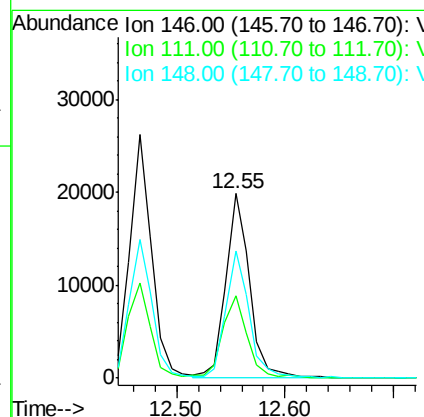
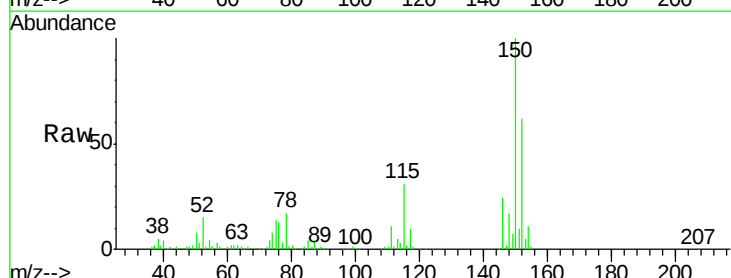
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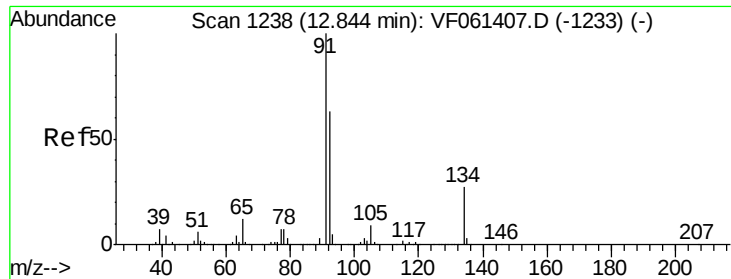
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#88
 1,4-Dichlorobenzene
 Concen: 5.189 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.8	62.2
148	68.6	32.1	96.5





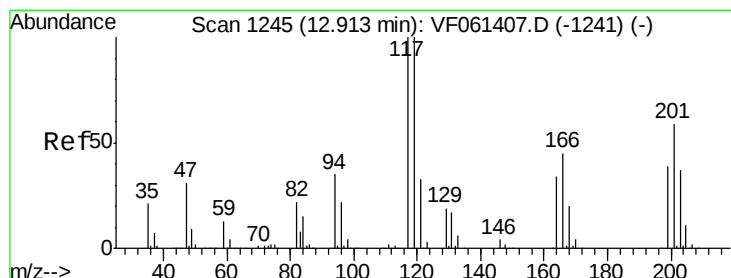
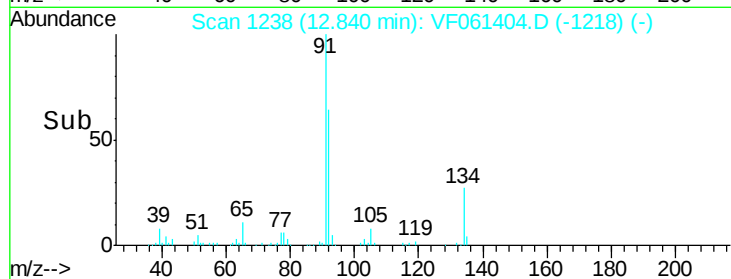
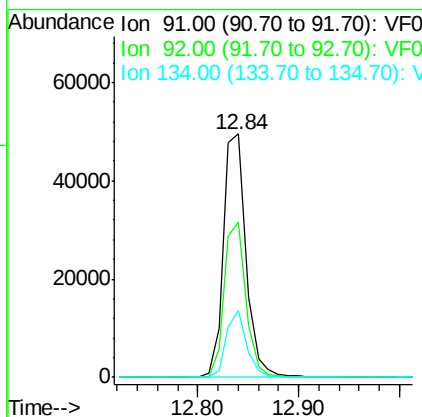
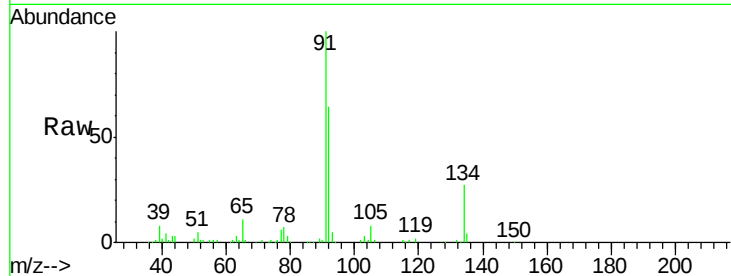
#89
n-Butylbenzene
Concen: 5.235 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.6	31.6	94.7
134	27.4	13.6	40.8

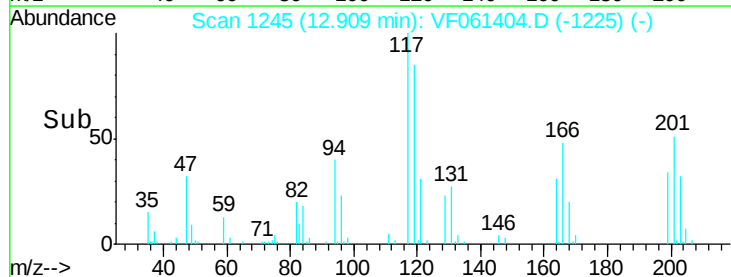
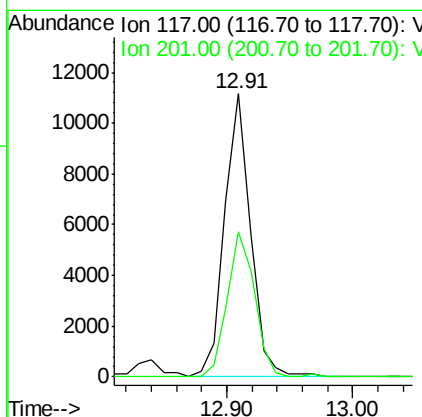
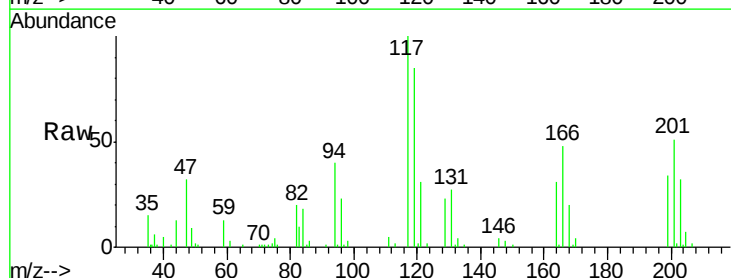
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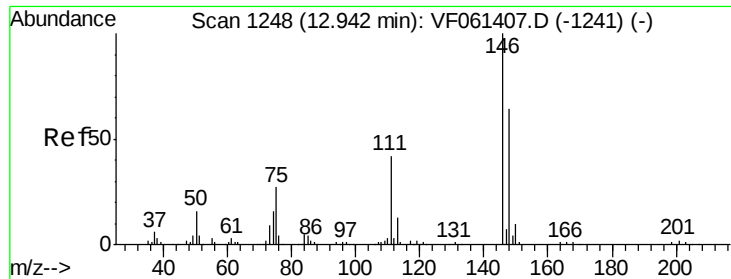
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#90
Hexachloroethane
Concen: 5.032 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	51.3	29.3	87.8





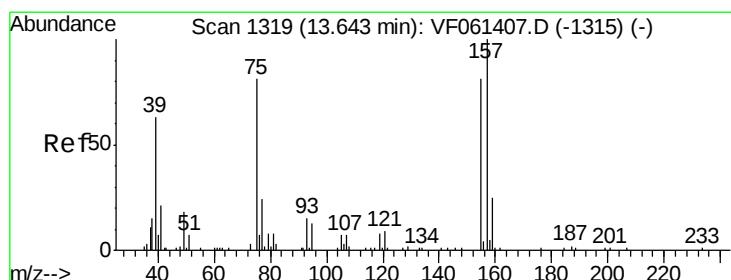
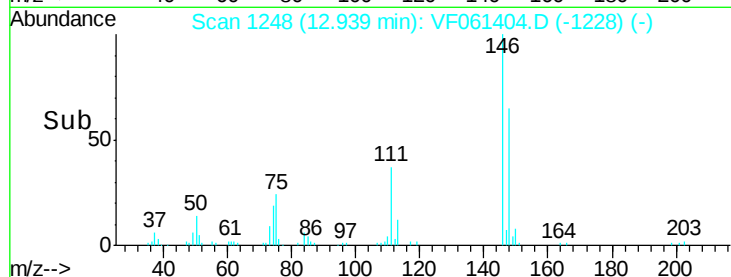
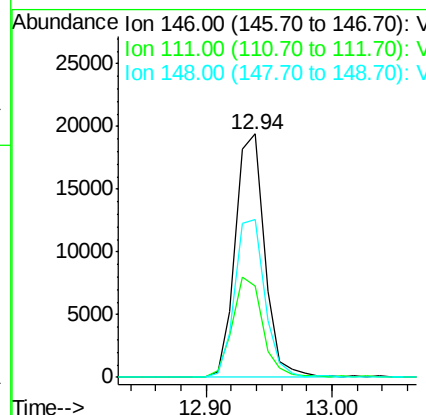
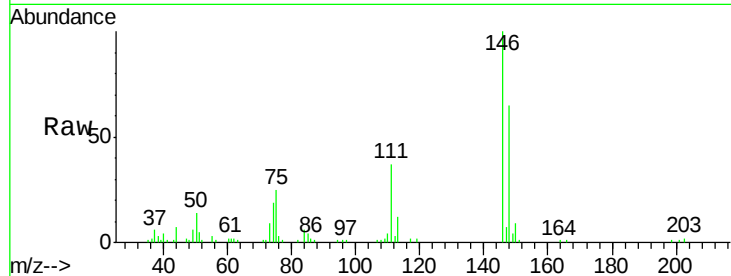
#91
 1,2-Dichlorobenzene
 Concen: 5.213 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	21.1	63.3
148	64.8	31.9	95.7

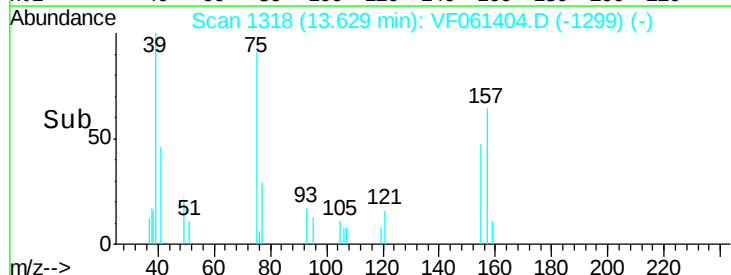
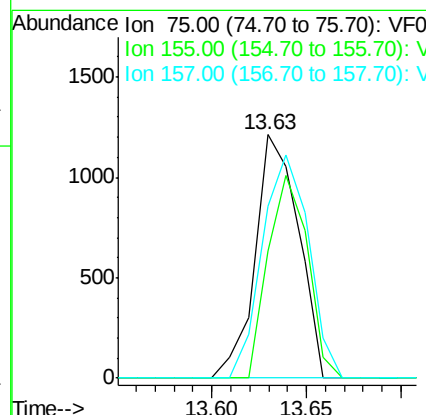
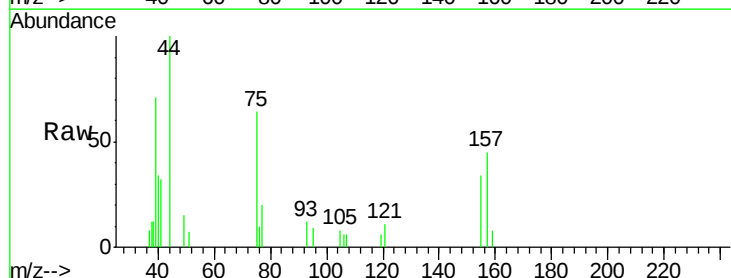
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.284 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.4	49.7	149.1
157	70.4	61.4	184.1





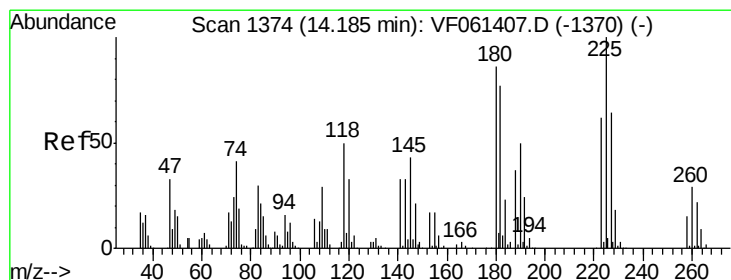
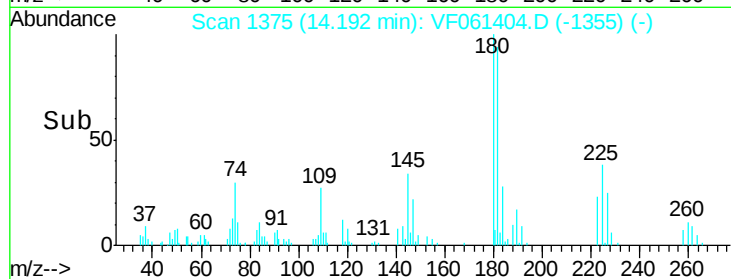
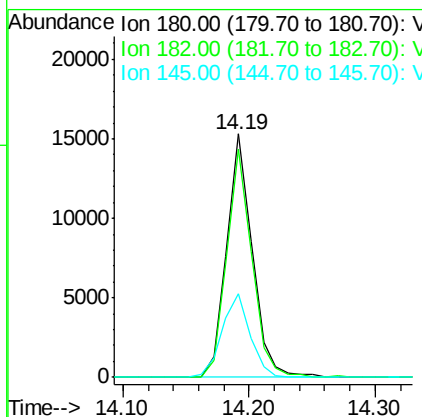
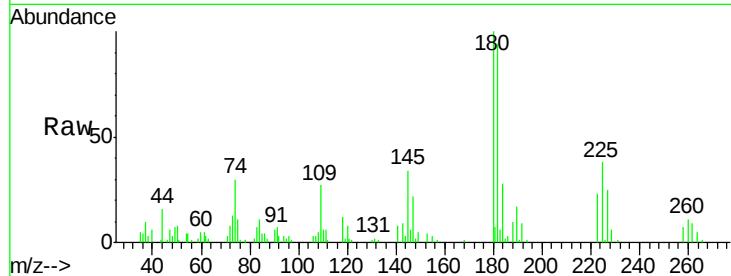
#93
 1,2,4-Trichlorobenzene
 Concen: 5.149 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21473		
182	93.6	48.5	145.6	
145	34.4	17.5	52.6	

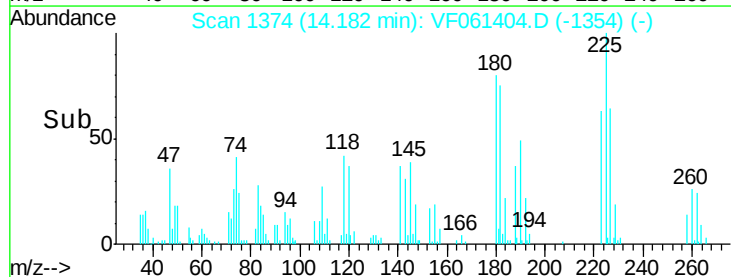
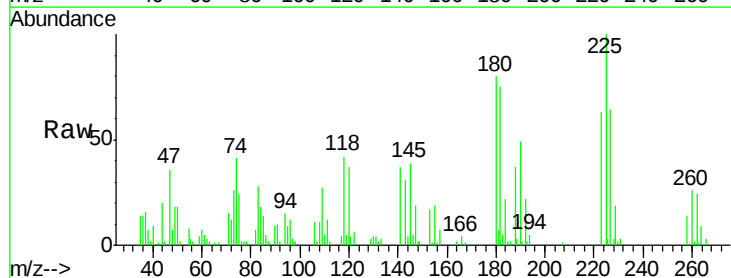
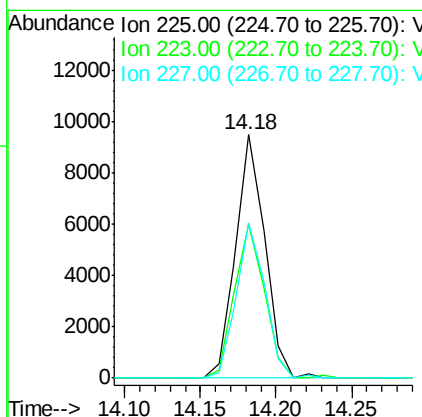
Manual Integrations
 APPROVED

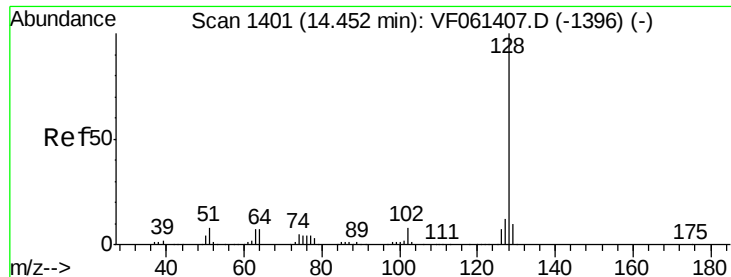
apatel
 1/16/2019 4:05:24 PM



#94
 Hexachlorobutadiene
 Concen: 5.050 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061404.D
 Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12752		
223	63.3	31.1	93.2	
227	63.7	32.2	96.6	





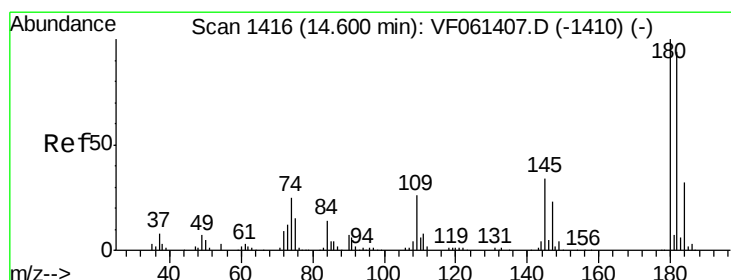
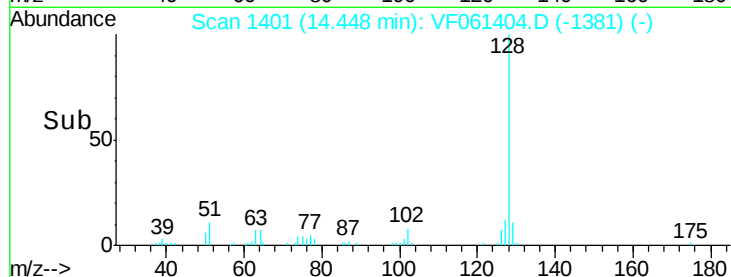
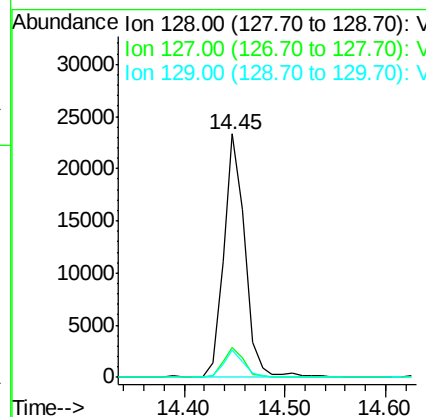
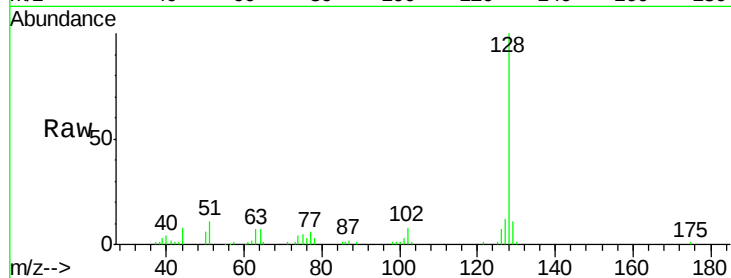
#95
Naphthalene
Concen: 4.599 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.5	14.3
129	11.0	8.4	12.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.840 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061404.D
Acq: 15 Jan 2019 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.0	141.2
145	32.5	17.1	51.2

