

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059688.D
 Acq On : 30 Jul 2018 15:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:52 PM

Quant Time: Jul 31 04:04:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	205373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	288588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	283822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	184578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	71263	22.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	44.18%		
35) Dibromofluoromethane	4.29	113	59588	21.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	43.14%		
50) Toluene-d8	7.71	98	141573	21.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.40%		
62) 4-Bromofluorobenzene	11.50	95	77084	21.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.66%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	7559	6.30	ug/l	93
4) Vinyl Chloride	1.15	62	10069	7.93	ug/l #	79
5) Bromomethane	1.34	94	14018	12.69	ug/l	85
6) Chloroethane	1.42	64	10447	13.19	ug/l	97
7) Trichlorofluoromethane	1.55	101	53973m	14.14	ug/l	
8) Diethyl Ether	1.70	74	11351	20.99	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	35477	17.48	ug/l	95
10) Methyl Iodide	1.96	142	55184	18.58	ug/l #	97
11) Tert butyl alcohol	2.68	59	15530	112.15	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	27125	18.07	ug/l	91
13) Acrolein	2.09	56	4424	72.18	ug/l	93
14) Allyl chloride	2.19	41	46728	19.03	ug/l	93
15) Acrylonitrile	3.07	53	26319	124.69	ug/l	92
16) Acetone	2.33	43	74296	126.41	ug/l	100
17) Carbon Disulfide	1.88	76	58712m	16.09	ug/l	
18) Methyl Acetate	2.44	43	17084	17.36	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	99108	23.62	ug/l	98
20) Methylene Chloride	2.27	84	40850m	18.87	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31680	20.58	ug/l	88
22) Diisopropyl ether	2.93	45	109397	22.29	ug/l	93
23) Vinyl Acetate	3.33	43	301235	123.80	ug/l	99
24) 1,1-Dichloroethane	2.99	63	73948	21.17	ug/l #	94
25) 2-Butanone	4.50	43	74157	114.52	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	56546	19.90	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	39506	21.88	ug/l	95
28) Bromochloromethane	3.87	49	31062	24.14	ug/l	98
29) Tetrahydrofuran	4.26	42	30154	116.01	ug/l	99
30) Chloroform	4.03	83	109379	22.17	ug/l	93
31) Cyclohexane	3.85	56	40265	20.07	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	85699	21.18	ug/l	98
36) 1,1-Dichloropropene	4.45	75	67680	21.62	ug/l	93
37) Ethyl Acetate	4.29	43	31696	23.21	ug/l #	71
38) Carbon Tetrachloride	4.16	117	96862m	21.09	ug/l	
39) Methylcyclohexane	5.62	83	52086	20.45	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.81	78	115354	20.75	ug/l	99
41) Methacrylonitrile	4.92	41	16090	23.93	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	85633	23.67	ug/l	100
43) Isopropyl Acetate	7.10	43	36519	25.83	ug/l #	92
44) Trichloroethene	5.67	130	45416	21.09	ug/l	86
45) 1,2-Dichloropropane	6.40	63	32285	21.85	ug/l	96
46) Dibromomethane	6.25	93	32437	25.28	ug/l #	75
47) Bromodichloromethane	6.54	83	82217	21.87	ug/l	98
48) Methyl methacrylate	6.87	41	23999	21.63	ug/l #	91
49) 1,4-Dioxane	6.87	88	5038	568.93	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	144748	127.22	ug/l	99
52) Toluene	7.78	92	88611	21.46	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	71928	23.92	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	74411	23.85	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	33244	24.24	ug/l	93
56) Ethyl methacrylate	8.76	69	34001	23.38	ug/l	97
57) 1,3-Dichloropropane	9.00	76	58452	24.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	20656	117.65	ug/l	100
59) 2-Hexanone	9.63	43	107441	127.30	ug/l	94
60) Dibromochloromethane	8.86	129	58706	23.73	ug/l	98
61) 1,2-Dibromoethane	9.14	107	39957	24.09	ug/l	94
64) Tetrachloroethene	8.30	164	45629	20.18	ug/l	94
65) Chlorobenzene	9.93	112	119121	21.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	56468	22.25	ug/l	97
67) Ethyl Benzene	10.03	91	214252	21.43	ug/l	99
68) m/p-Xylenes	10.27	106	151267	43.71	ug/l	95
69) o-Xylene	10.82	106	81725	21.87	ug/l	96
70) Stvrene	10.90	104	119844	22.05	ug/l	98
71) Bromoform	10.89	173	35660	22.79	ug/l #	97
73) Isopropylbenzene	11.23	105	267865	21.26	ug/l	97
74) N-amyl acetate	11.46	43	61743	23.91	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	48030	23.22	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	41270	24.29	ug/l	99
77) Bromobenzene	11.59	156	67278	22.00	ug/l	93
78) n-propylbenzene	11.69	91	313418	21.59	ug/l	100
79) 2-Chlorotoluene	11.81	91	186092	21.07	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	241520	21.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17291m	19.60	ug/l	
82) 4-Chlorotoluene	11.98	91	199869	21.47	ug/l	100
83) tert-Butylbenzene	12.21	119	245402	21.96	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	237786	20.93	ug/l	99
85) sec-Butylbenzene	12.39	105	311875	21.21	ug/l	100
86) p-Isopropyltoluene	12.54	119	275482	21.79	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	129448	21.71	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	126580	22.28	ug/l	96
89) n-Butylbenzene	12.91	91	265510	21.71	ug/l	91
90) Hexachloroethane	12.99	117	67874	21.09	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	125334	22.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10973	21.81	ug/l	91
93) 1,2,4-Trichlorobenzene	14.26	180	97865	22.03	ug/l	97

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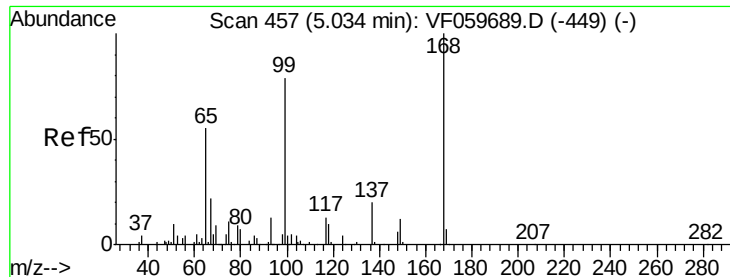
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.25	225	66771	20.43	µg/l	96
95) Naphthalene	14.52	128	163558	23.10	µg/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	91242	22.59	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 205373

Ion Ratio Lower Upper

168 100

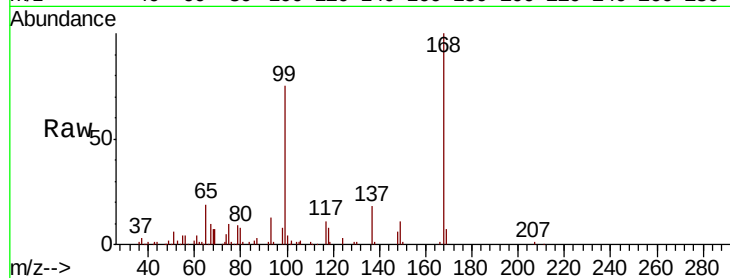
99 74.9 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

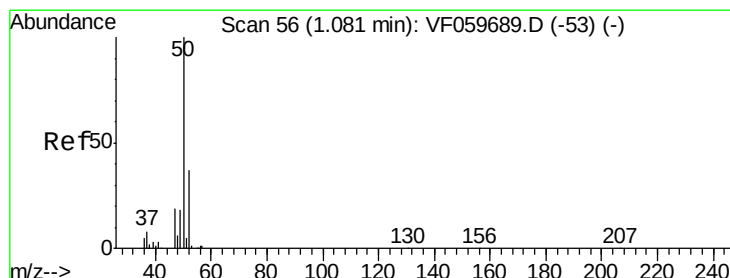
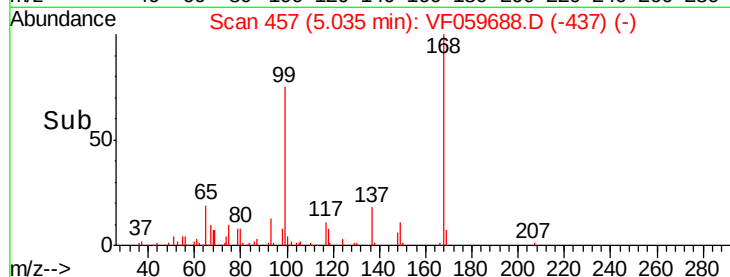
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 6.30 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059688.D

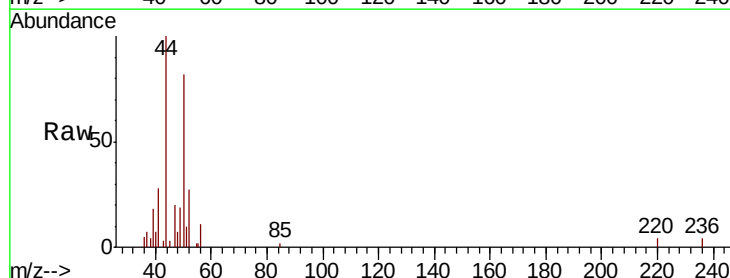
Acq: 30 Jul 2018 15:02

Tgt Ion: 50 Resp: 7559

Ion Ratio Lower Upper

50 100

52 32.4 29.1 43.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

5000

4000

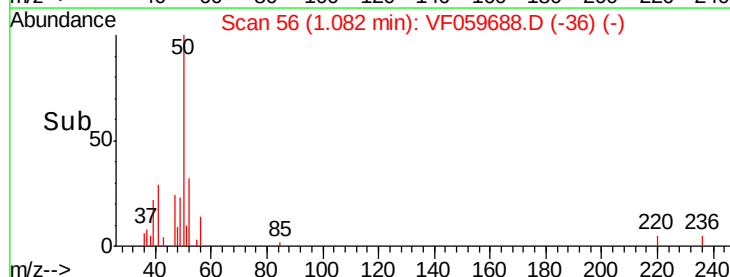
3000

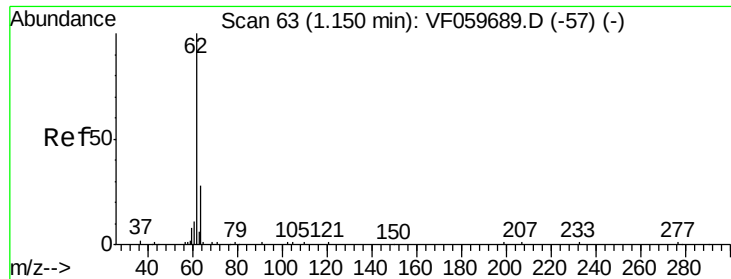
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 7.93 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleID :

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Tot Ion: 62 Resp: 10069

Ion Ratio Lower Upper

62 100

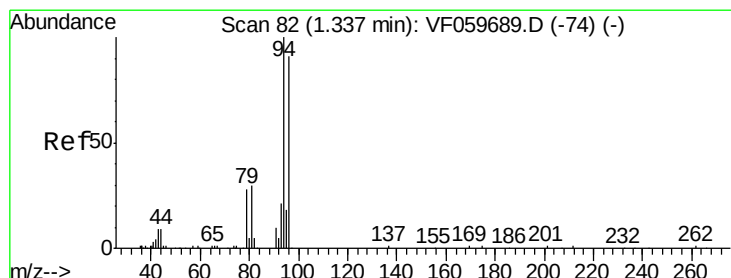
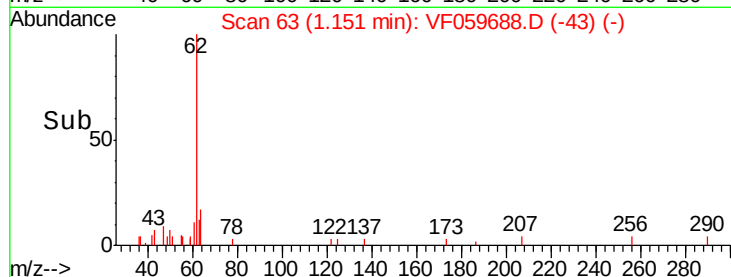
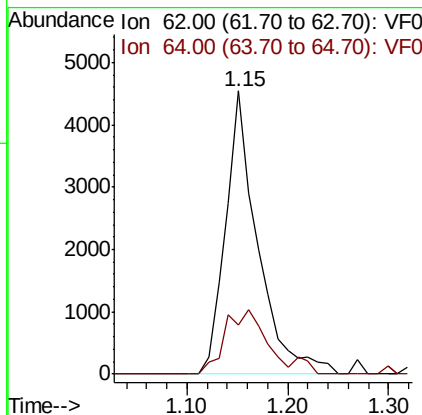
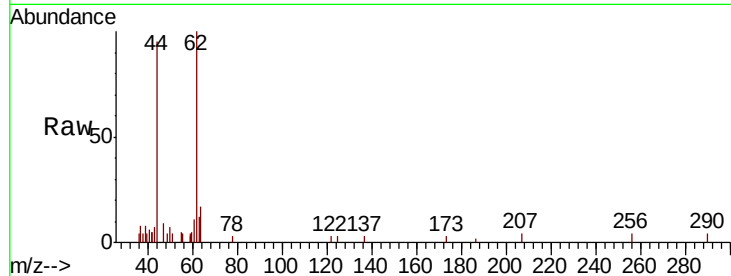
64 17.3 22.6 33.8#

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#5

Bromomethane

Concen: 12.69 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059688.D

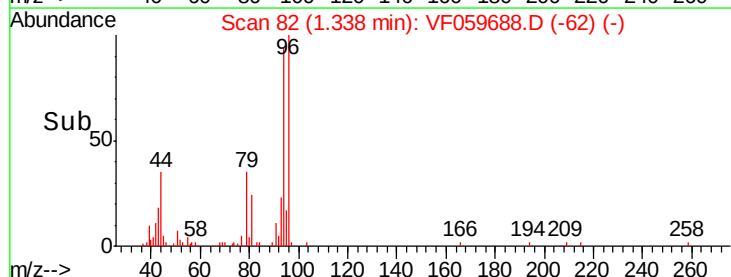
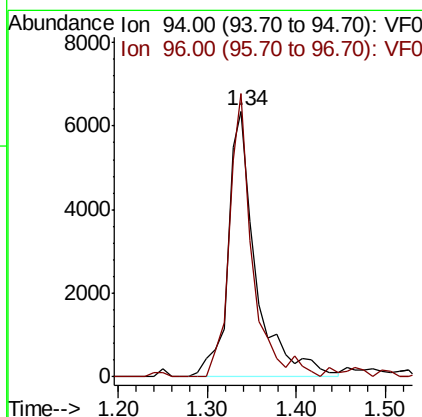
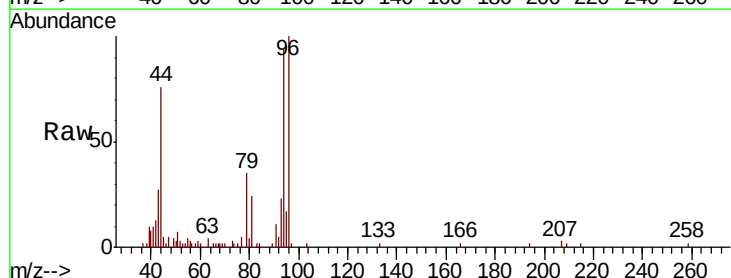
Acq: 30 Jul 2018 15:02

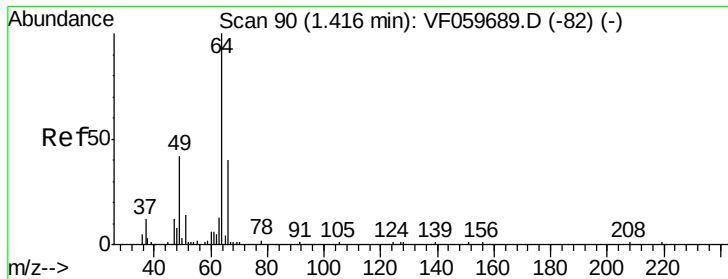
Tgt Ion: 94 Resp: 14018

Ion Ratio Lower Upper

94 100

96 106.4 73.6 110.4





#6

Chloroethane

Concen: 13.19 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 64 Resp: 10447

Ion Ratio Lower Upper

64 100

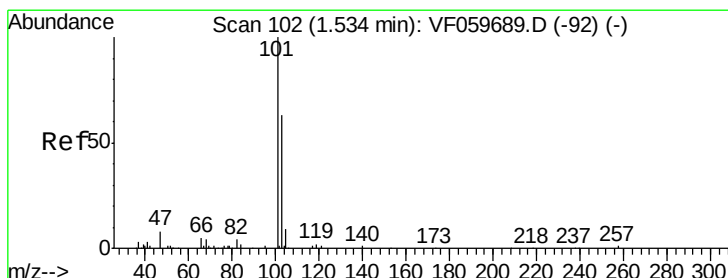
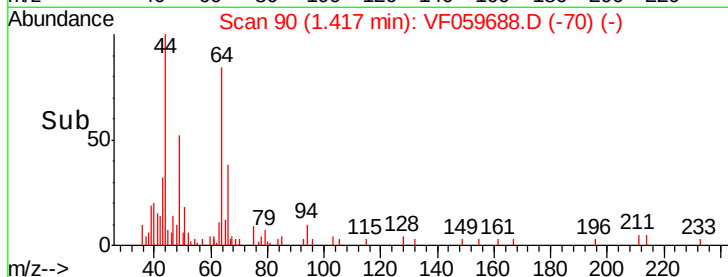
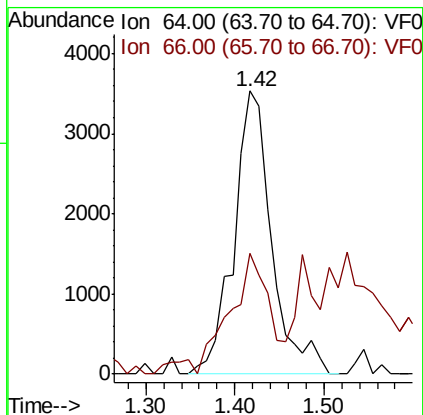
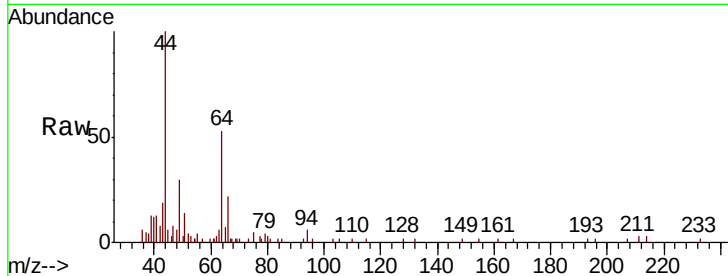
66 42.5 32.6 49.0

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 14.14 ug/l m

RT: 1.55 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF059688.D

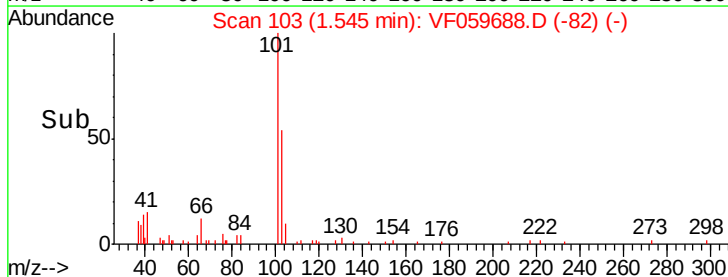
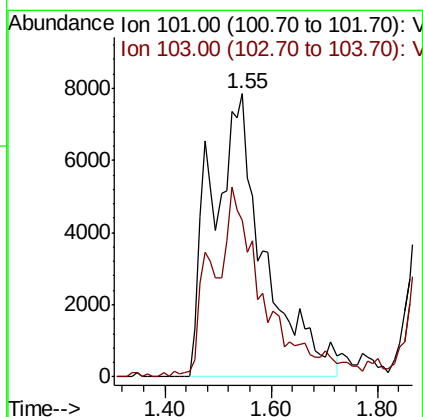
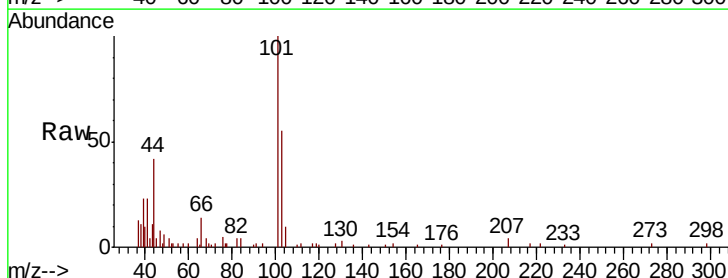
Acq: 30 Jul 2018 15:02

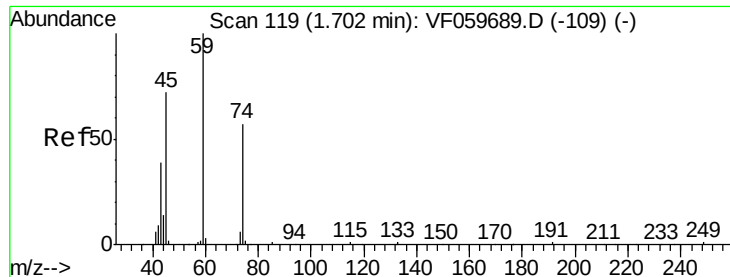
Tgt Ion: 101 Resp: 53973

Ion Ratio Lower Upper

101 100

103 55.3 50.8 76.2





#8

Diethyl Ether

Concen: 20.99 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

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Tot Ion: 74 Resp: 11351

Ion Ratio Lower Upper

74 100

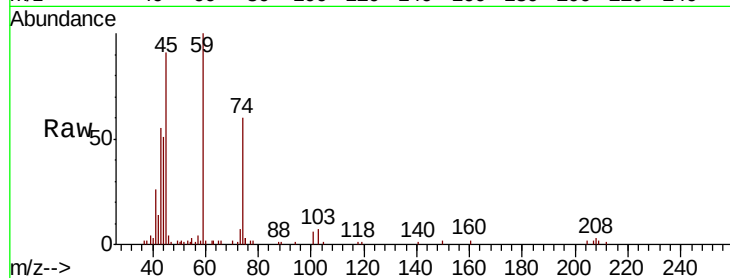
45 151.7 62.7 188.2

Manual Integrations

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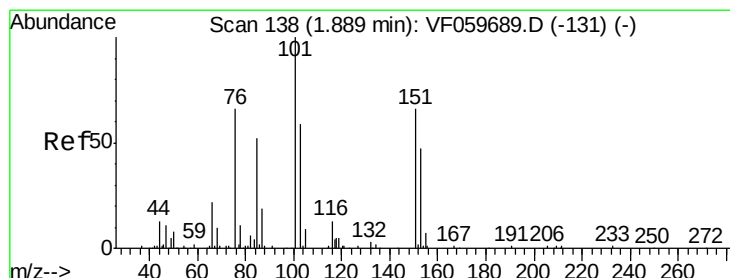
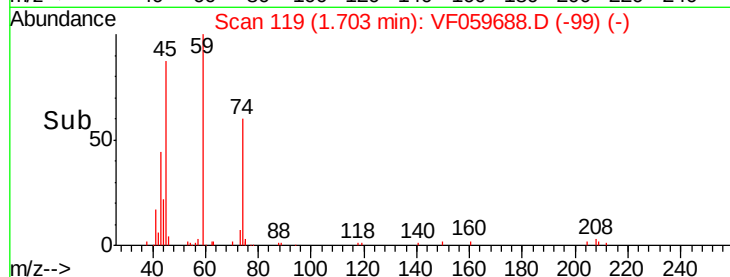
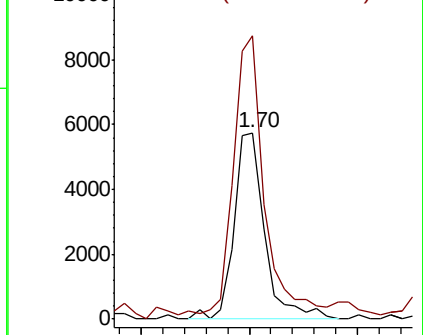
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Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.48 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

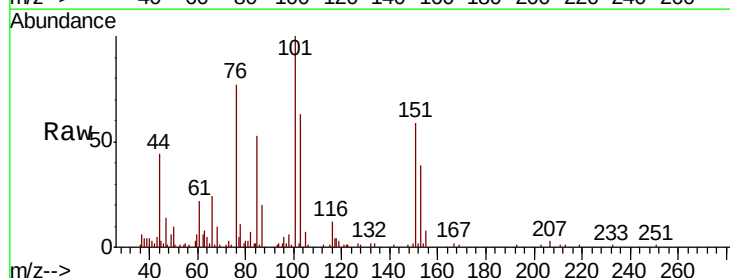
Tgt Ion: 101 Resp: 35477

Ion Ratio Lower Upper

101 100

85 53.2 40.7 61.1

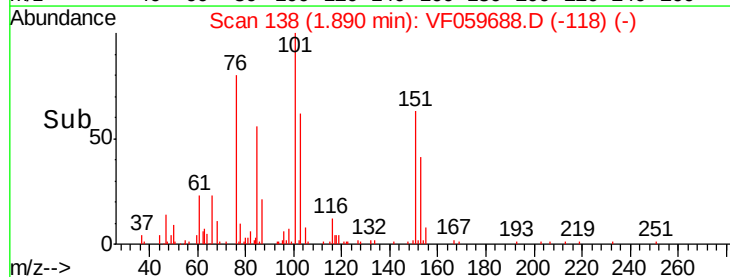
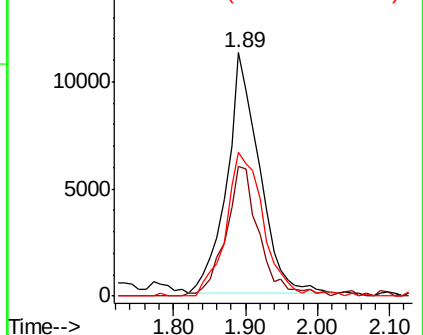
151 59.3 51.4 77.2

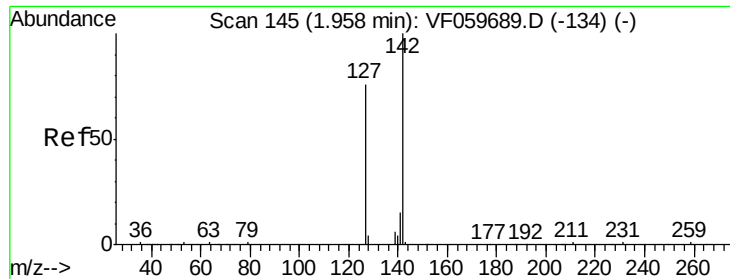


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V





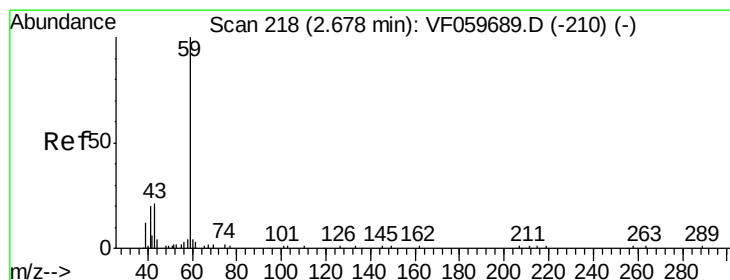
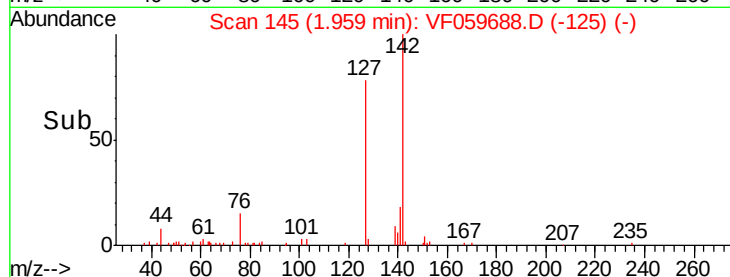
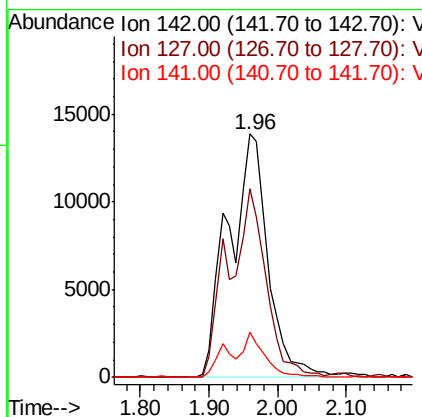
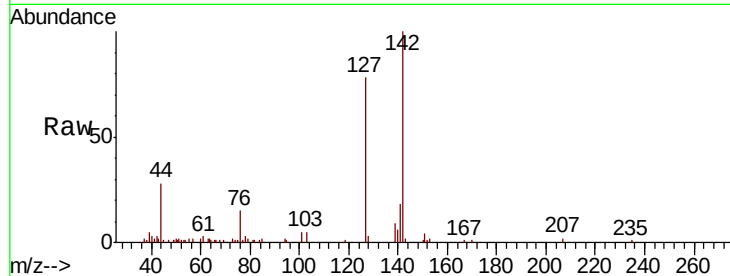
#10
Methyl Iodide
Concen: 18.58 ug/l
RT: 1.96 min Scan# 145
Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
142	100		
127	77.6	60.6	91.0
141	18.5	12.0	18.0

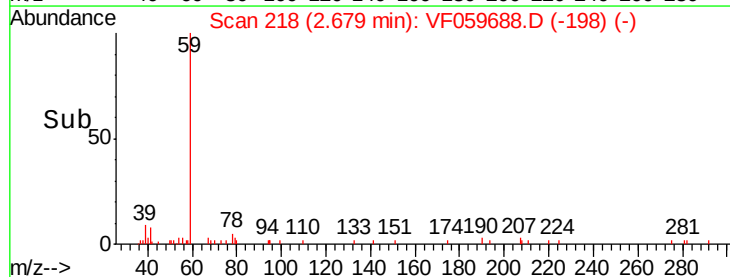
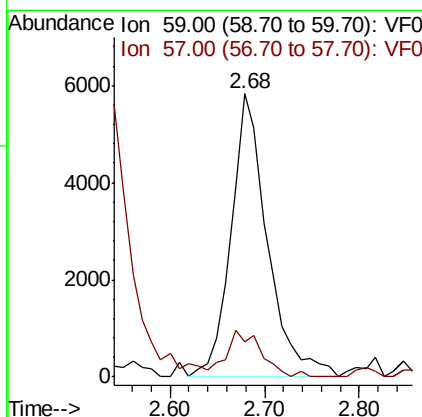
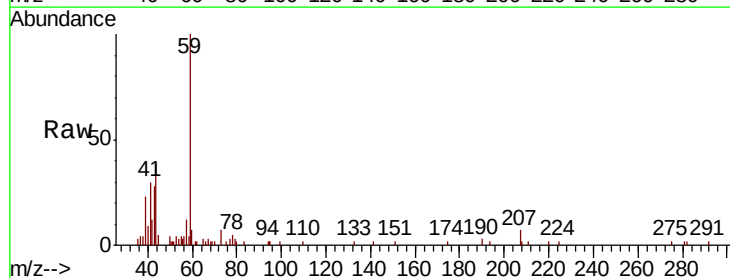
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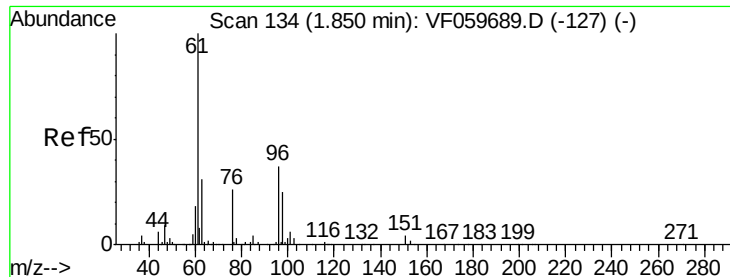
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#11
Tert butyl alcohol
Concen: 112.15 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.3	7.6	11.4





#12

1,1-Dichloroethene

Concen: 18.07 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

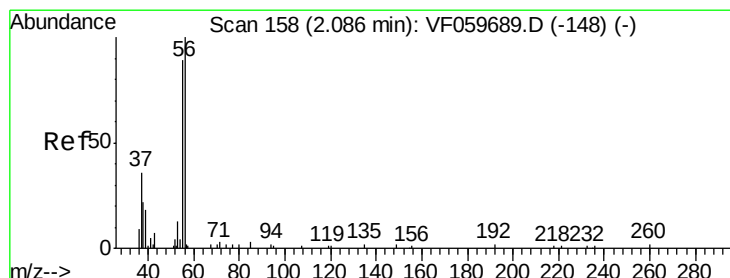
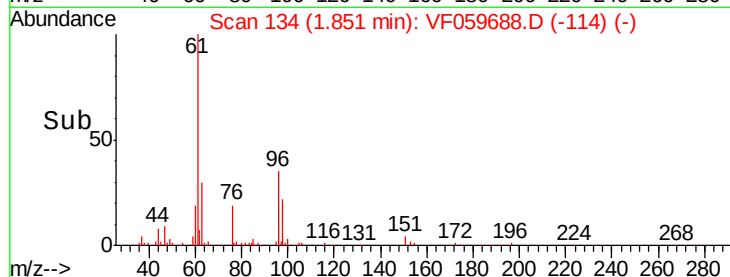
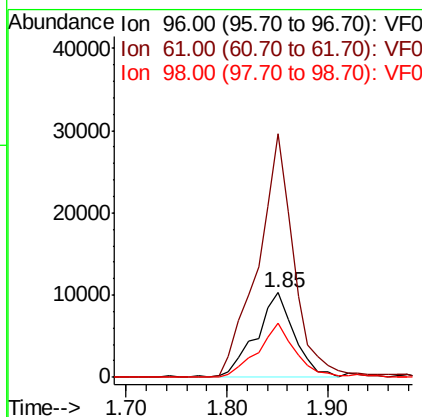
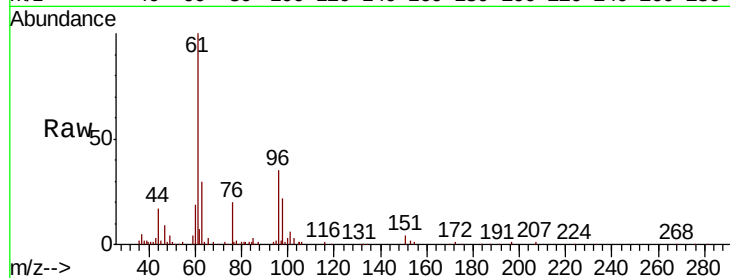
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	27125
Ion	Ratio	Lower	Upper
96	100		
61	288.6	215.1	322.7
98	64.7	54.3	81.5

Manual Integrations
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#13

Acrolein

Concen: 72.18 ug/l

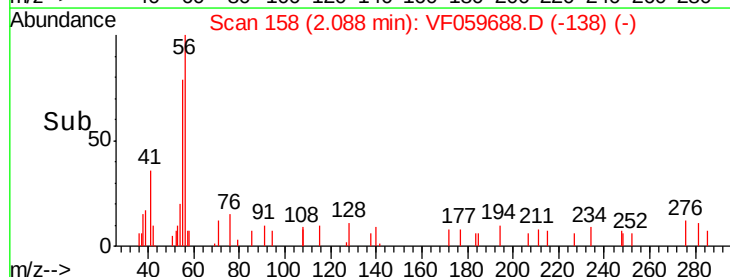
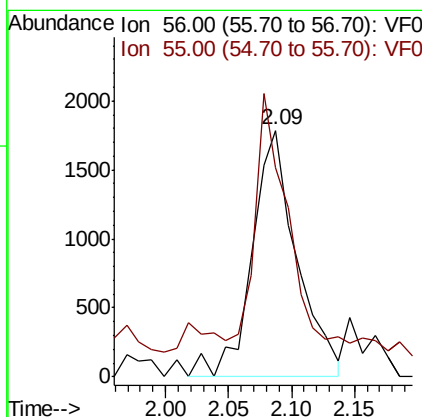
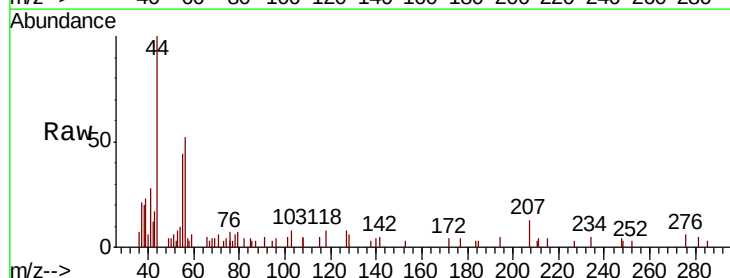
RT: 2.09 min Scan# 158

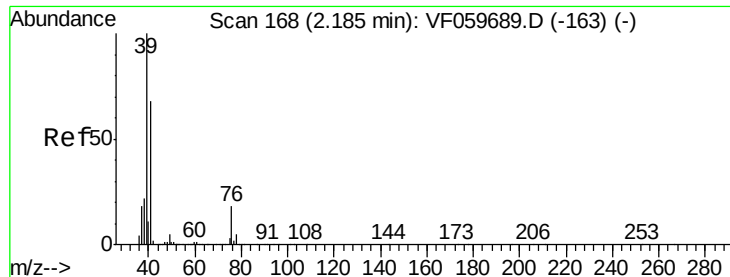
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	56	Resp:	4424
Ion	Ratio	Lower	Upper
56	100		
55	84.9	73.2	109.8





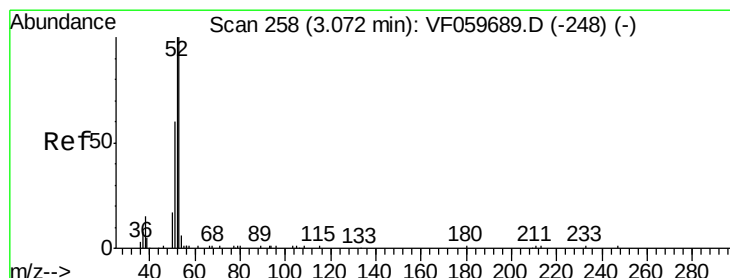
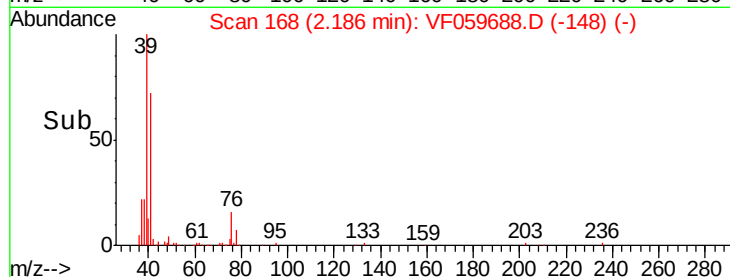
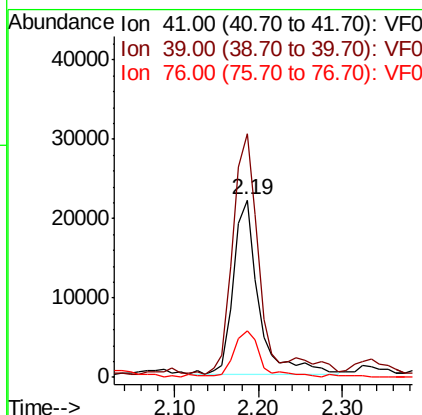
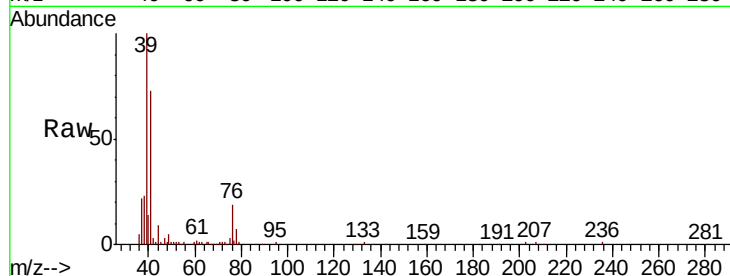
#14
Allvl chloride
Concen: 19.03 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	137.5	118.1	177.1
76	26.3	22.0	33.0

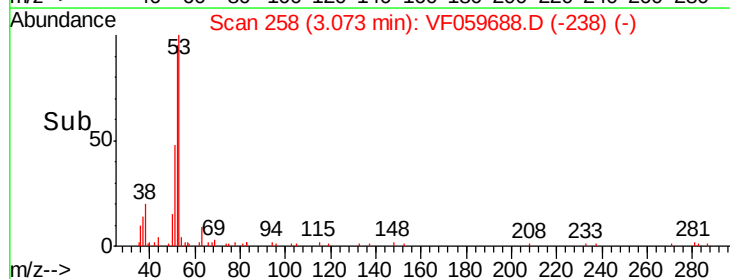
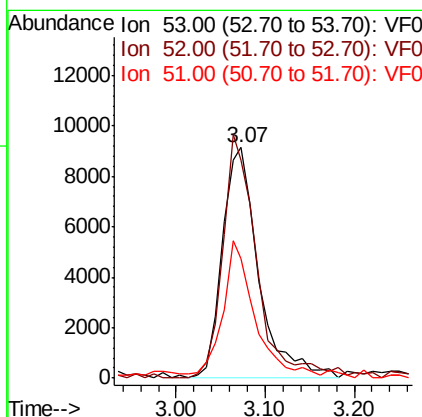
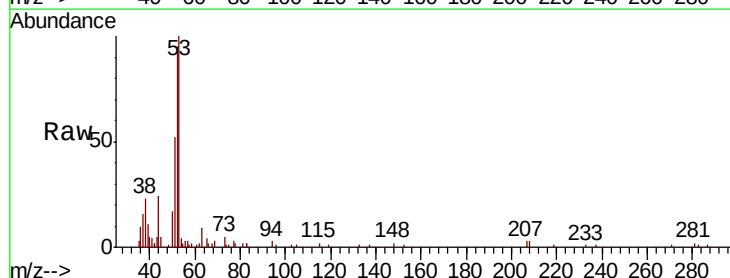
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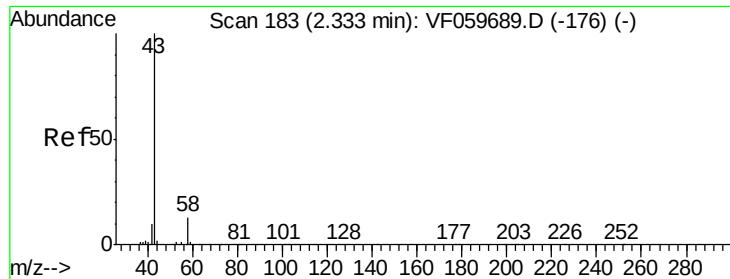
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#15
Acrylonitrile
Concen: 124.69 ug/l
RT: 3.07 min Scan# 258
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	94.6	80.3	120.5
51	52.0	49.4	74.0





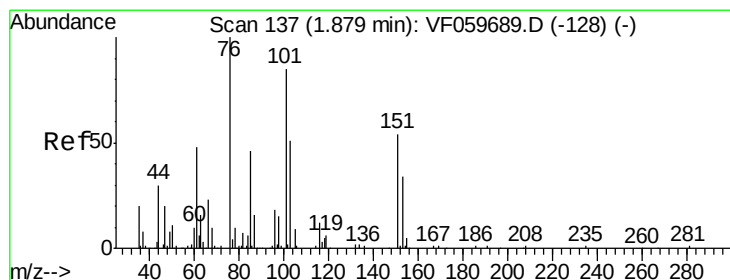
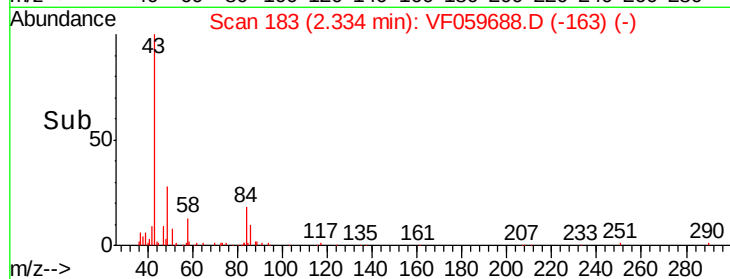
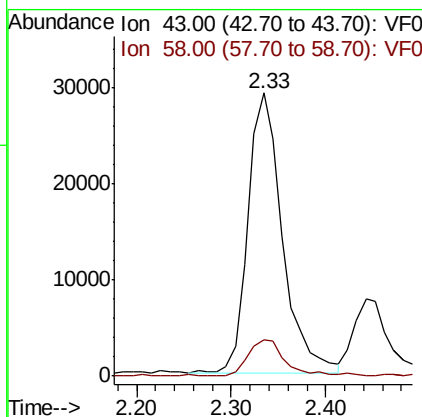
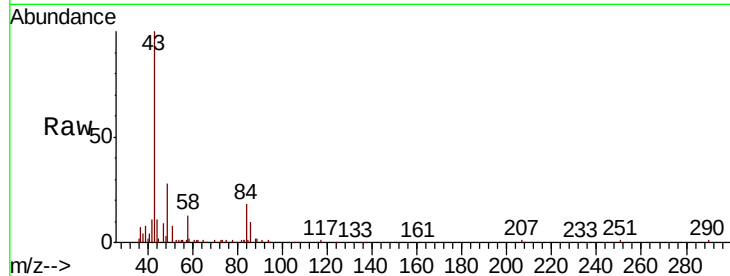
#16
Acetone
Concen: 126.41 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 74296
Ion Ratio Lower Upper
43 100
58 12.7 10.1 15.1

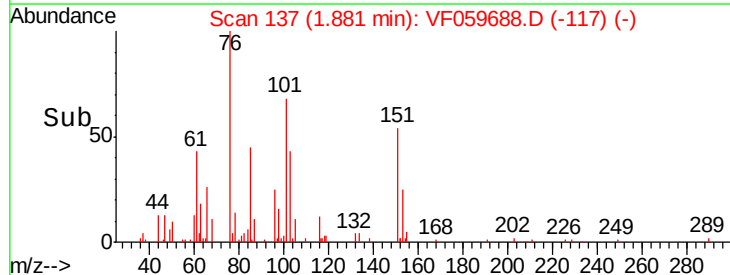
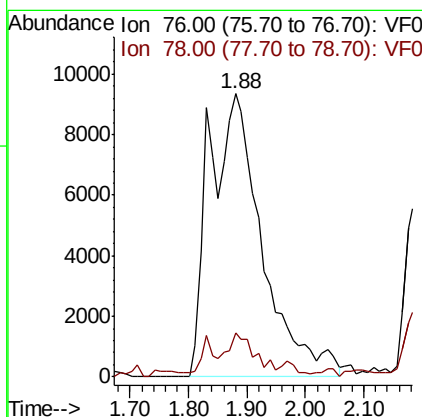
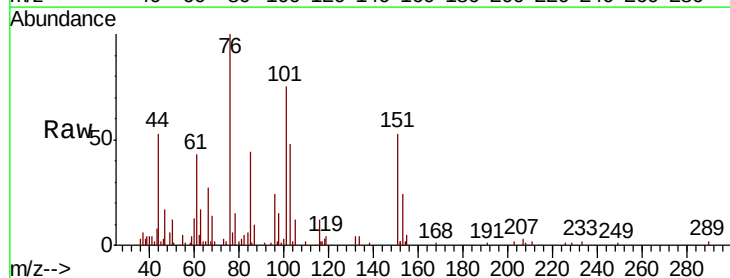
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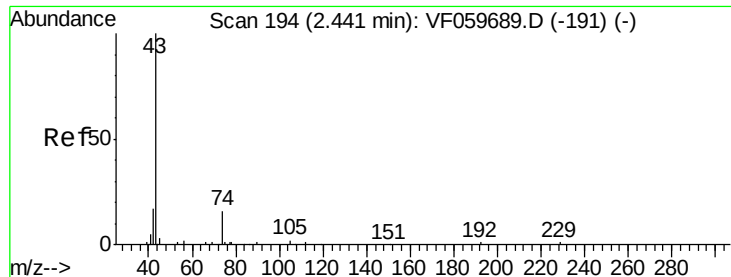
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#17
Carbon Disulfide
Concen: 16.09 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion: 76 Resp: 58712
Ion Ratio Lower Upper
76 100
78 15.4 8.9 13.3#





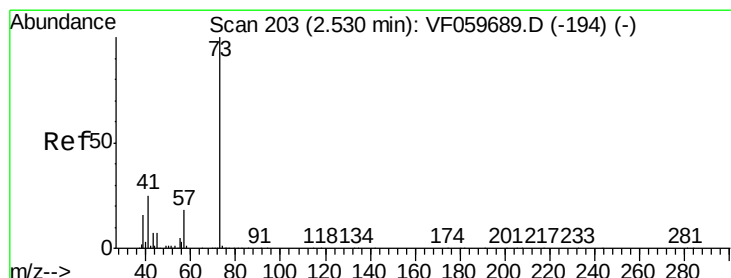
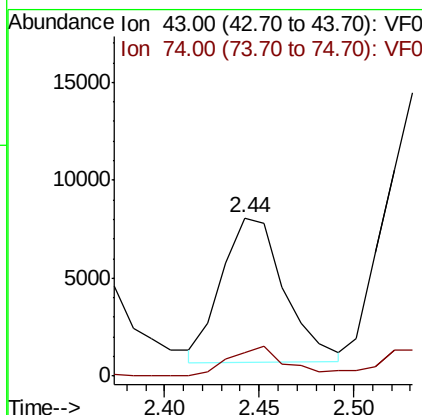
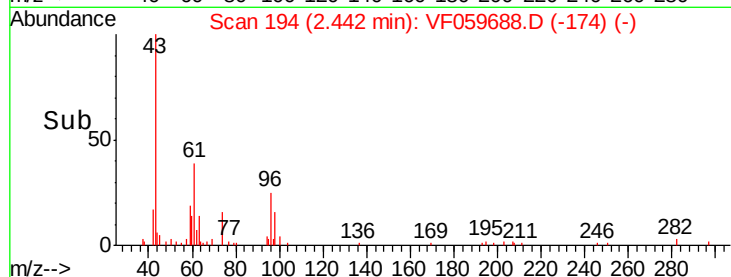
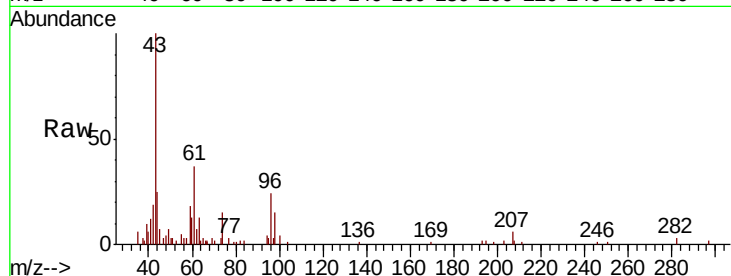
#18
Methyl Acetate
Concen: 17.36 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	17084
Ion Ratio	43	100	
Lower	74	15.1	11.8
Upper			17.6

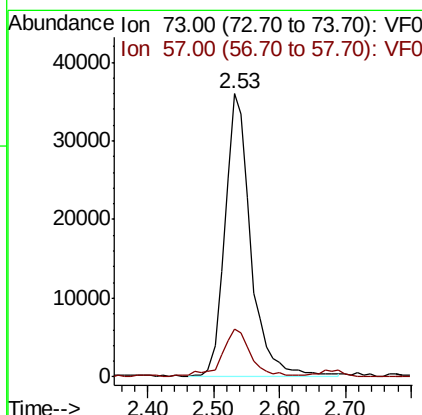
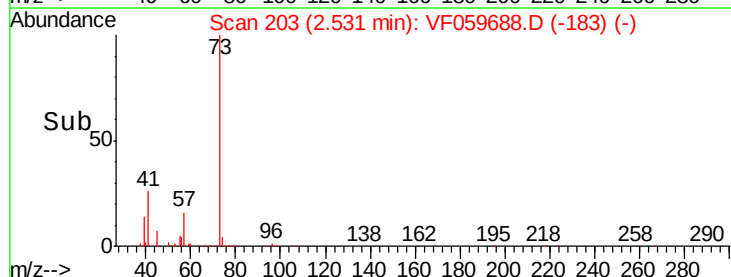
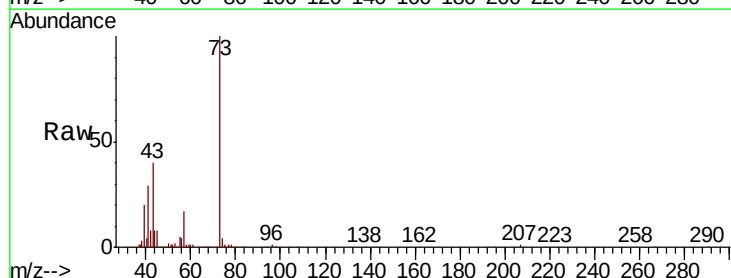
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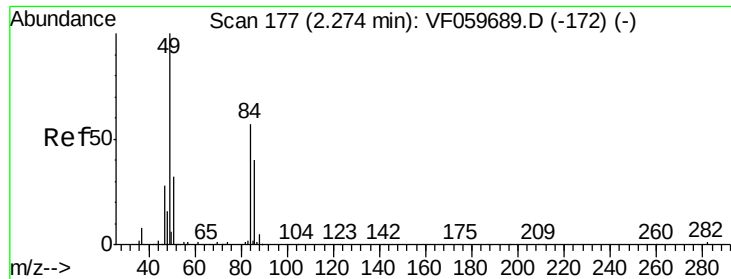
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#19
Methyl tert-butyl Ether
Concen: 23.62 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	73	Resp	99108
Ion Ratio	73	100	
Lower	57	16.7	14.2
Upper			21.2





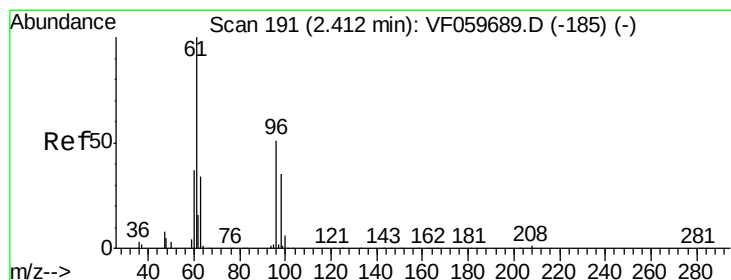
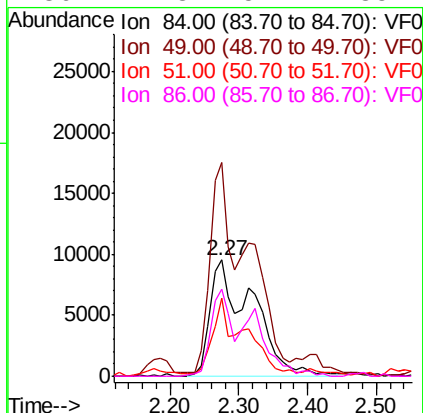
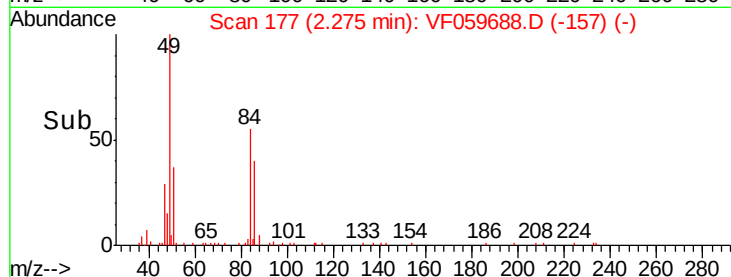
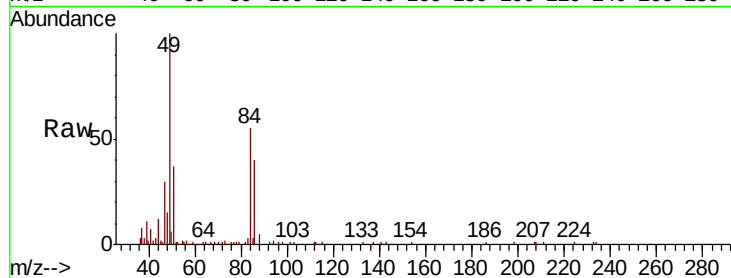
#20
Methylene Chloride
Concen: 18.87 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion:	84	Resp:	40850
Ion	Ratio	Lower	Upper
84	100		
49	183.5	142.2	213.4
51	67.1	46.2	69.2
86	74.3	57.1	85.7

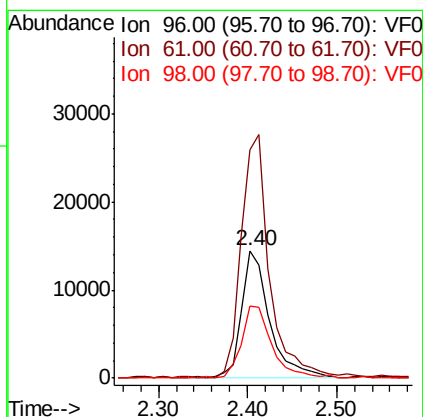
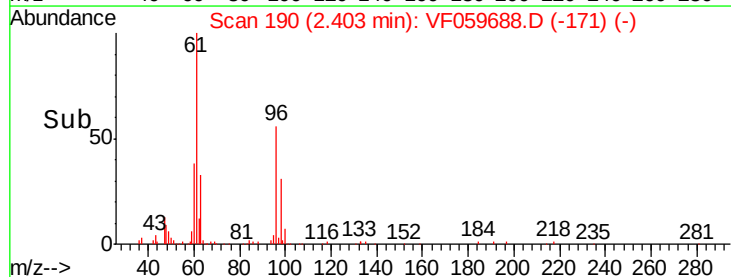
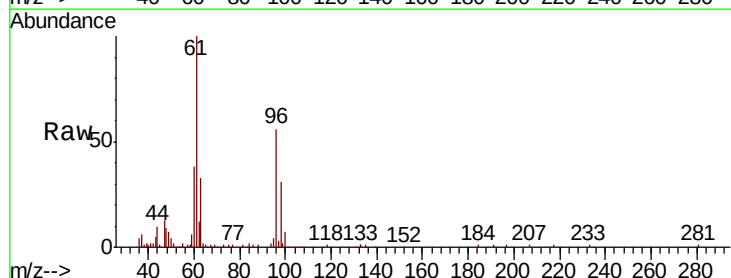
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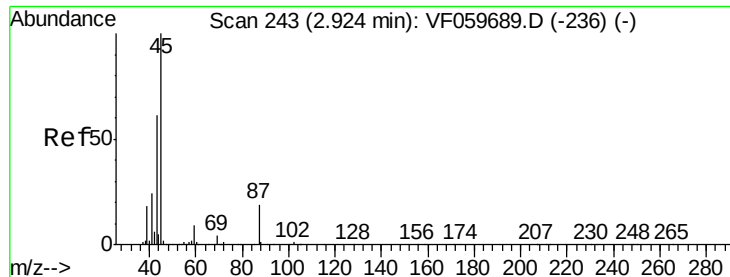
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#21
trans-1,2-Dichloroethene
Concen: 20.58 ug/l
RT: 2.40 min Scan# 190
Delta R.T. -0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion:	96	Resp:	31680
Ion	Ratio	Lower	Upper
96	100		
61	180.0	157.4	236.0
98	56.3	55.0	82.4





#22

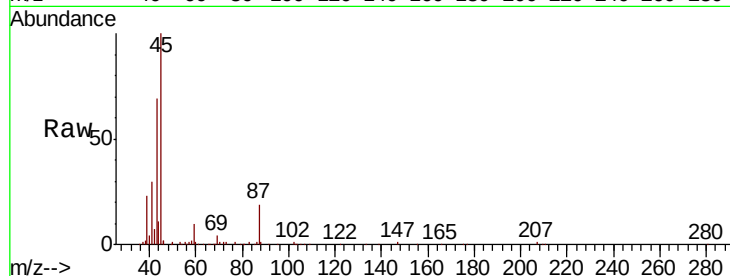
Diisopropyl ether
Concen: 22.29 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

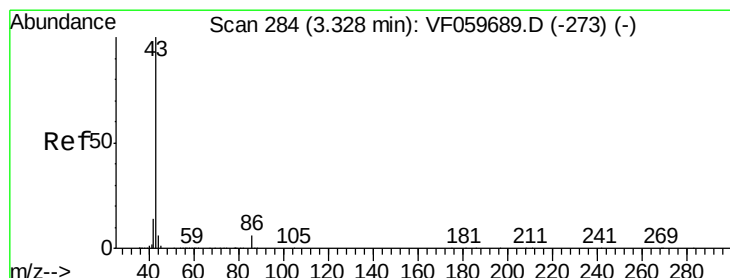
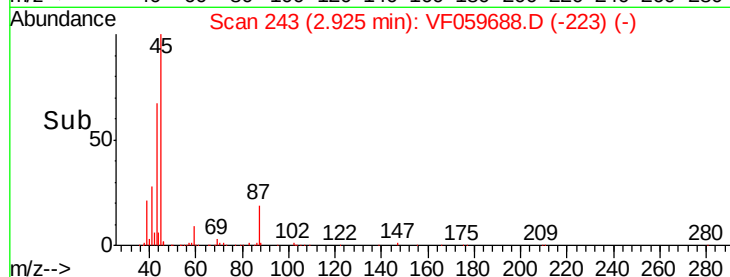
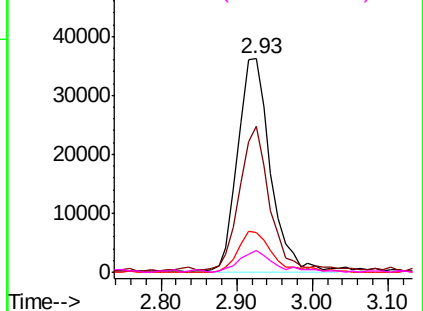
Tot Ion	Ratio	Lower	Upper
45	100		
43	68.5	49.3	73.9
87	18.8	15.3	22.9
59	10.3	7.1	10.7

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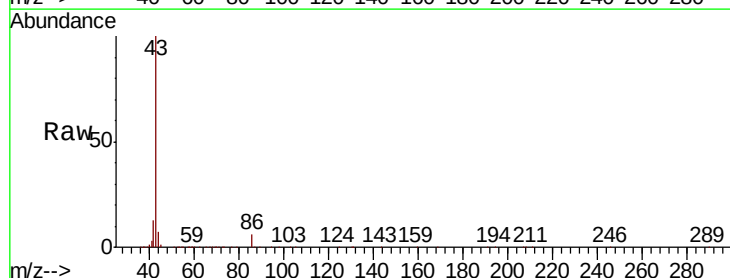
Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0



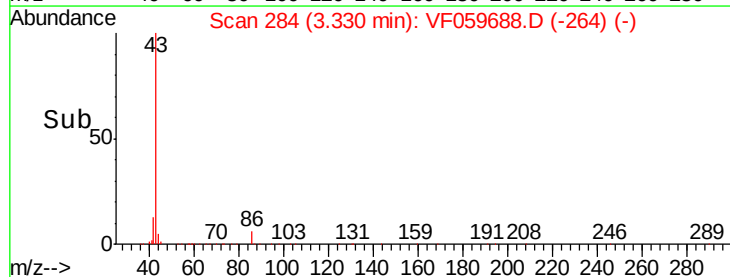
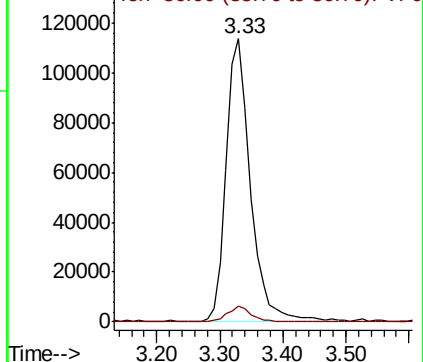
#23

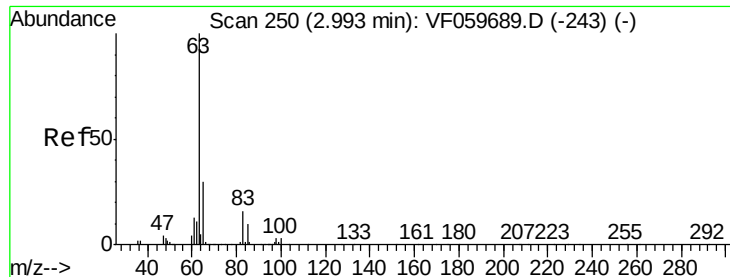
Vinyl Acetate
Concen: 123.80 ug/l
RT: 3.33 min Scan# 284
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	5.5	4.6	6.8



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 21.17 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

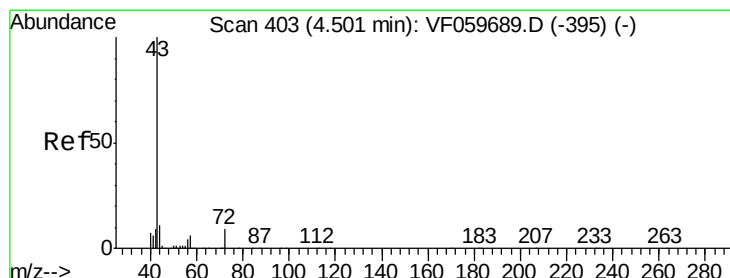
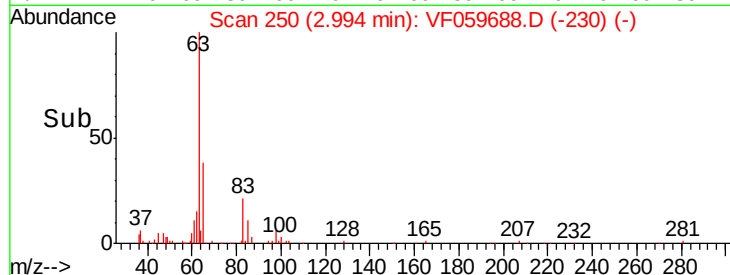
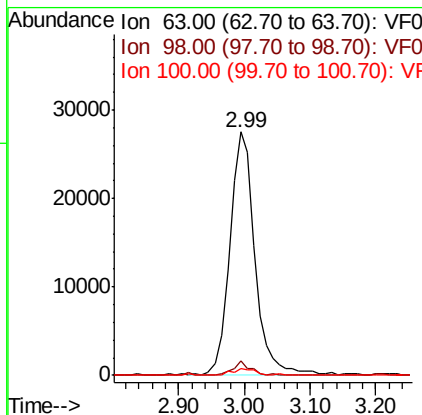
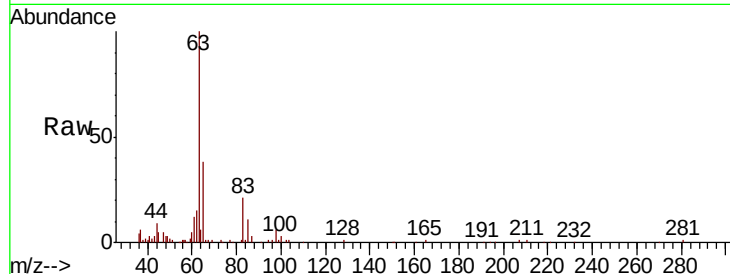
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	1.4	4.2#
100	2.7	1.6	4.7

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#25

2-Butanone

Concen: 114.52 ug/l

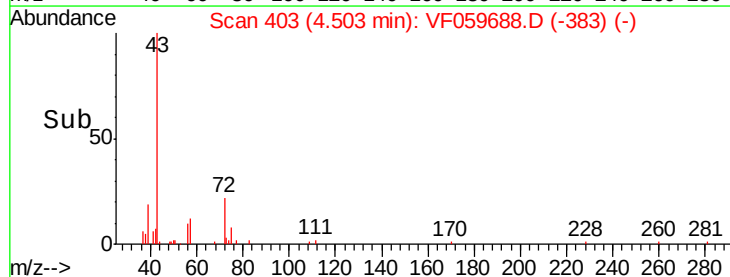
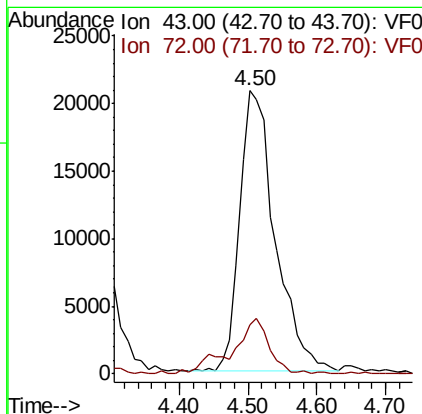
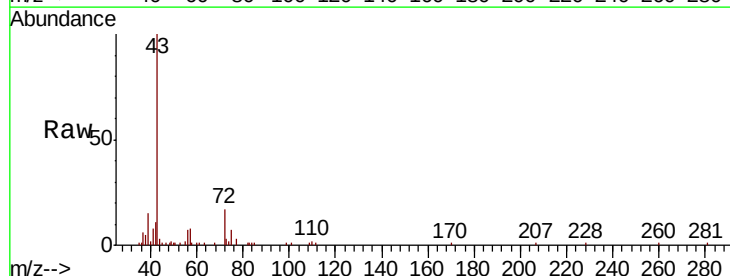
RT: 4.50 min Scan# 403

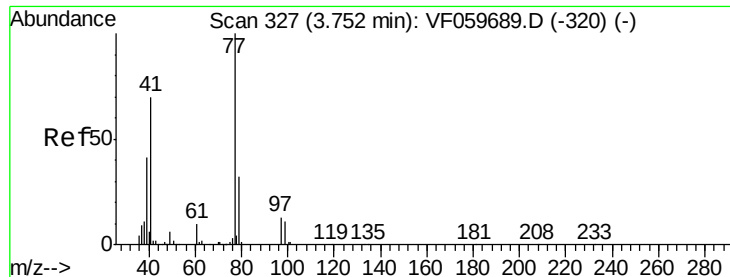
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.4	7.7	11.5#





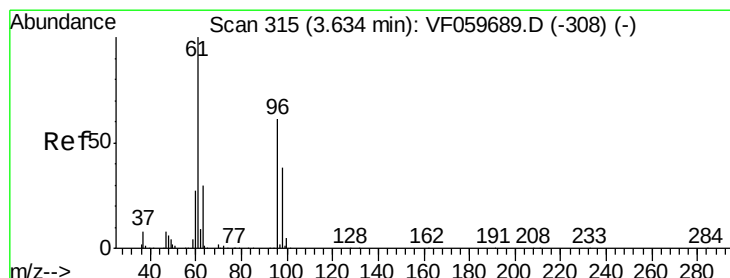
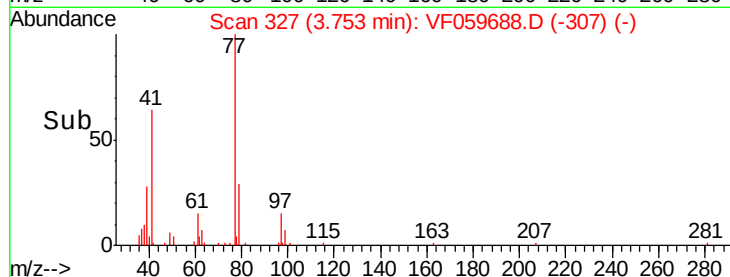
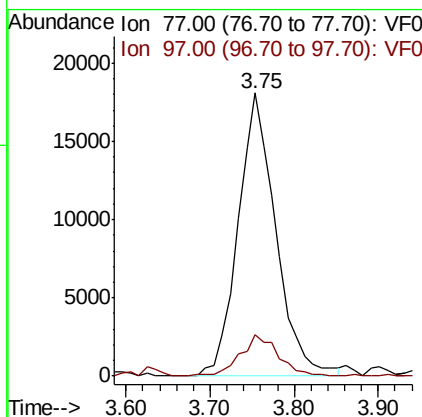
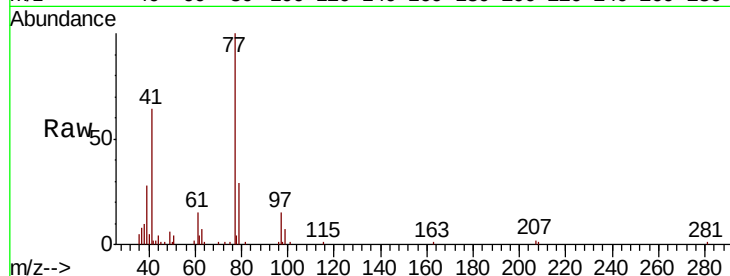
#26
 2,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 3.75 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	14.8	6.8	20.4

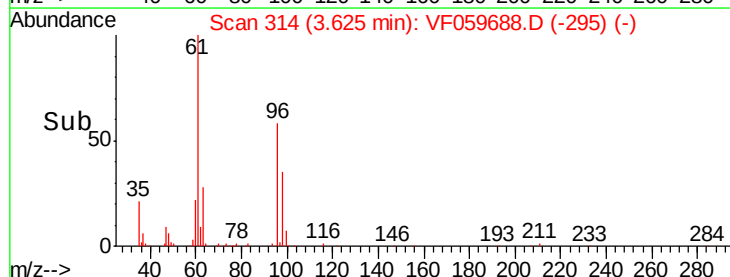
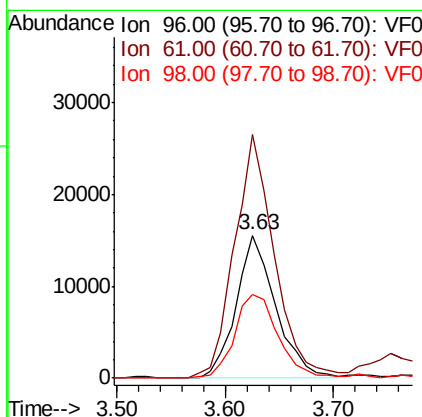
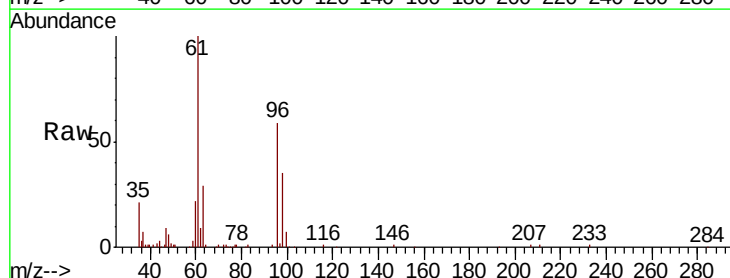
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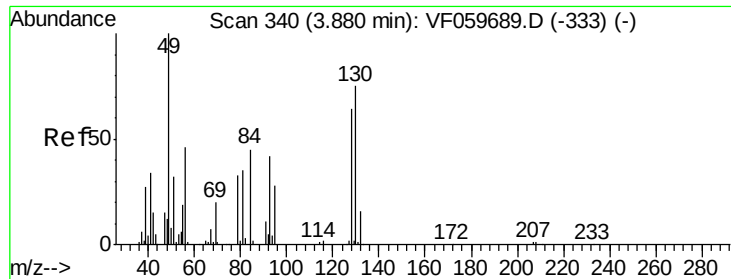
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#27
 cis-1,2-Dichloroethene
 Concen: 21.88 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	0.0	326.8
98	58.7	0.0	125.2





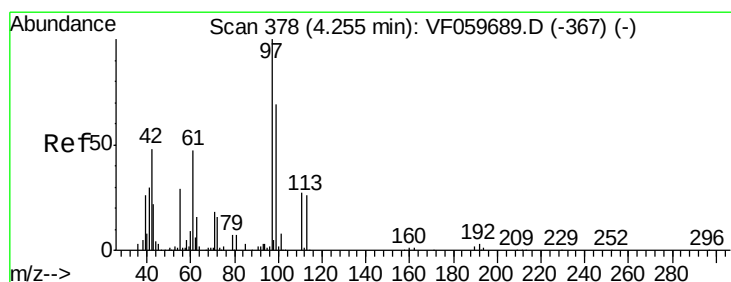
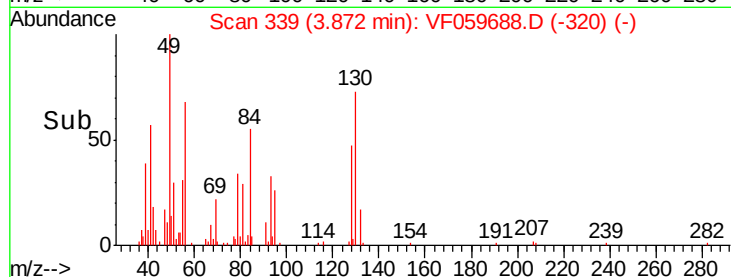
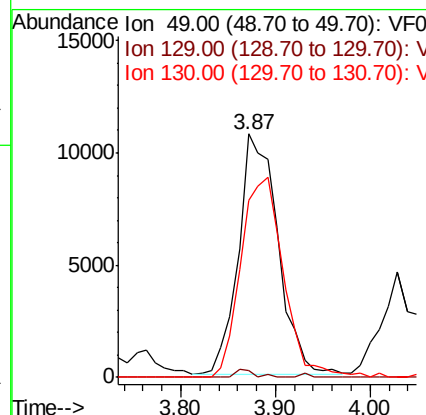
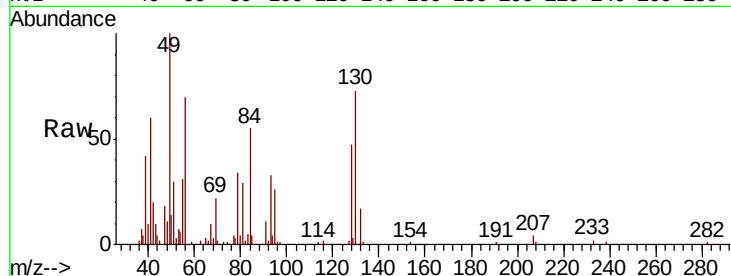
#28
Bromochloromethane
Concen: 24.14 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	72.9	59.6	89.4

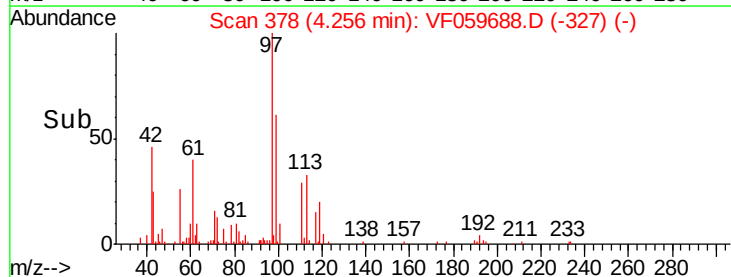
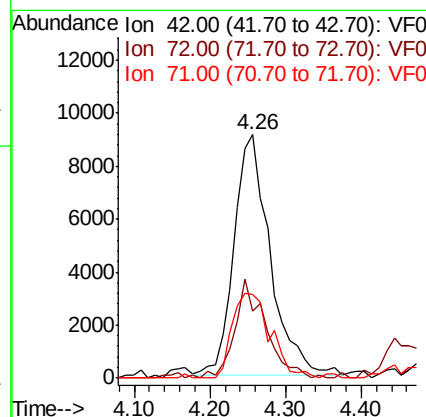
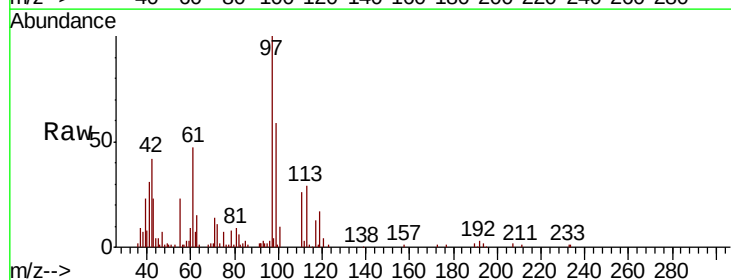
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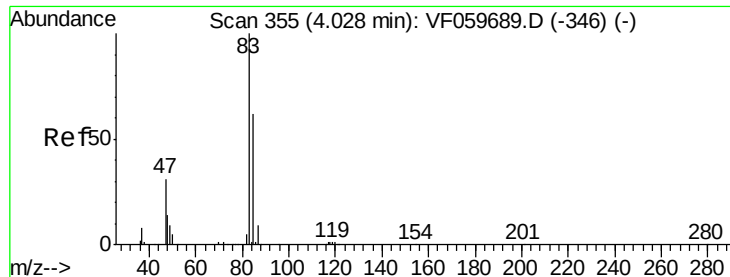
apatel
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#29
Tetrahydrofuran
Concen: 116.01 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.0	40.6
71	37.1	29.7	44.5





#30

Chloroform

Concen: 22.17 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 109379

Ion Ratio Lower Upper

83 100

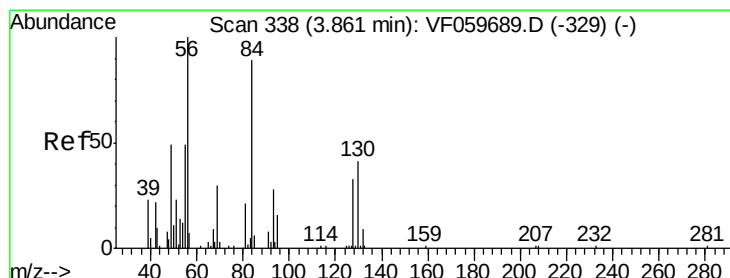
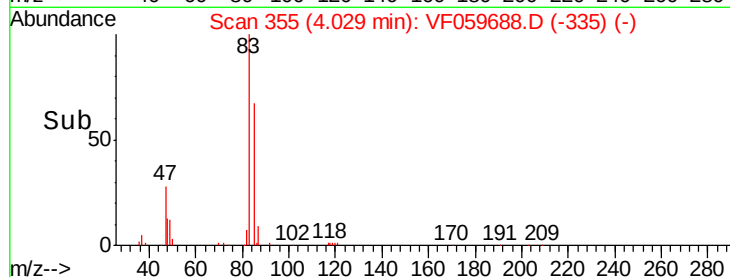
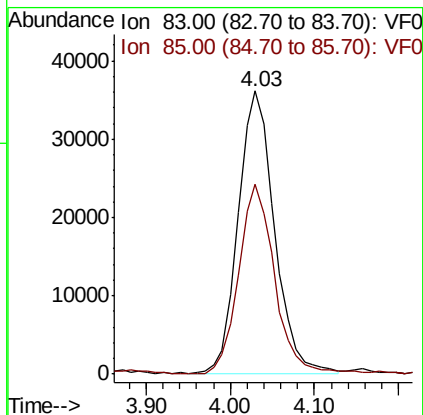
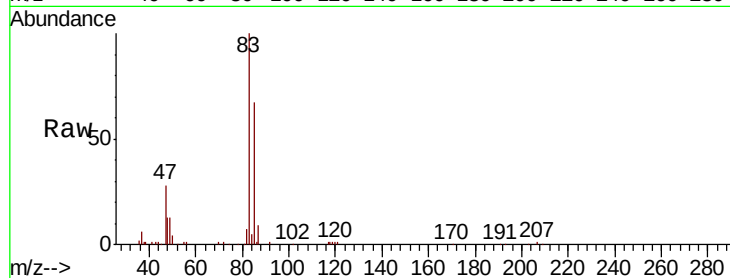
85 67.1 49.4 74.0

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#31

Cyclohexane

Concen: 20.07 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

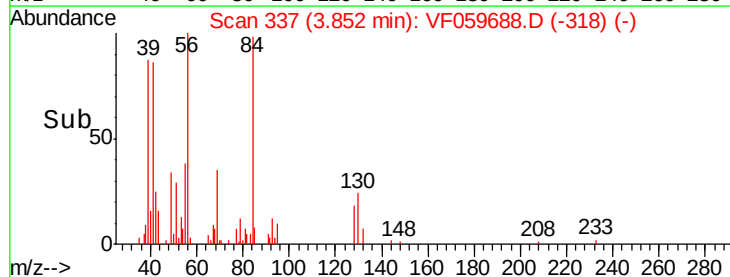
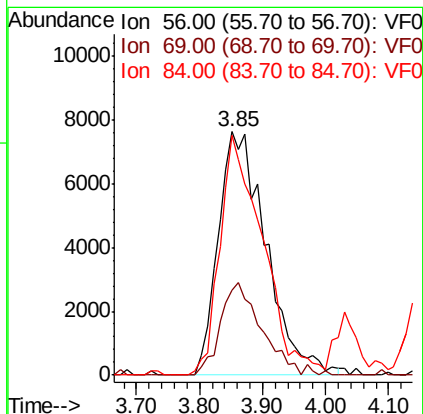
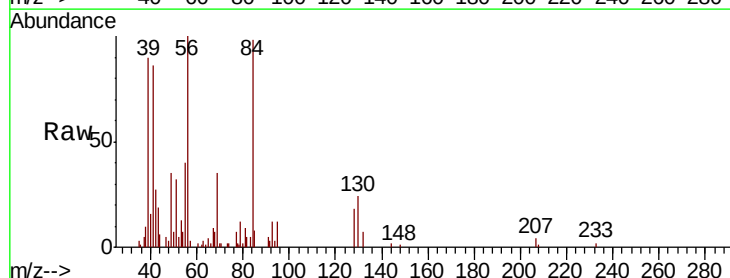
Tgt Ion: 56 Resp: 40265

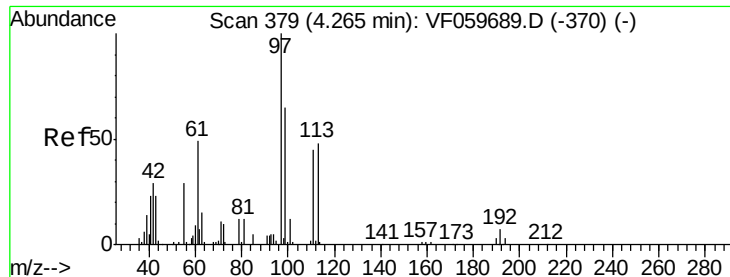
Ion Ratio Lower Upper

56 100

69 35.1 23.7 35.5

84 98.3 71.1 106.7





#32

1,1,1-Trichloroethane

Concen: 21.18 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

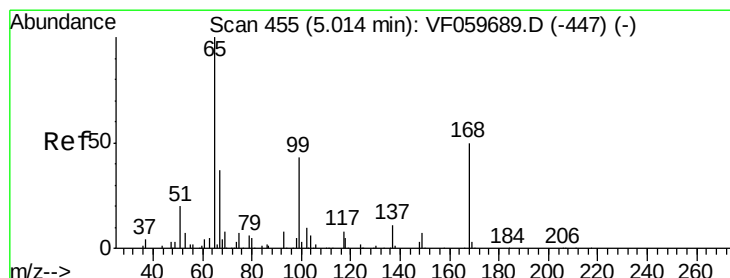
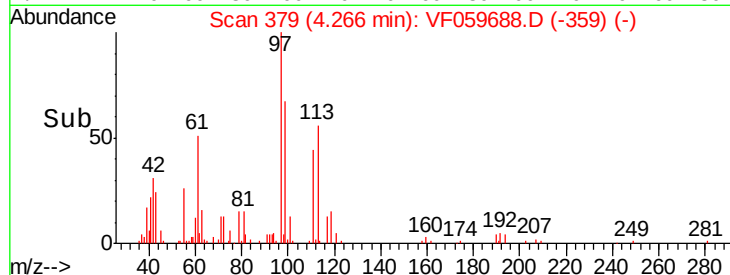
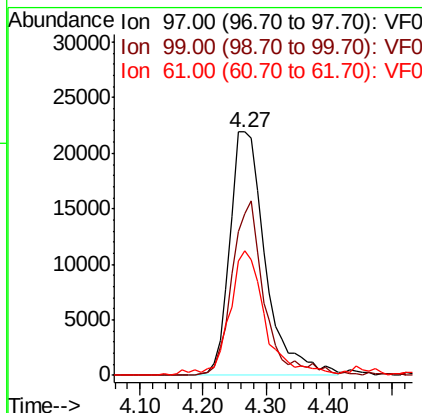
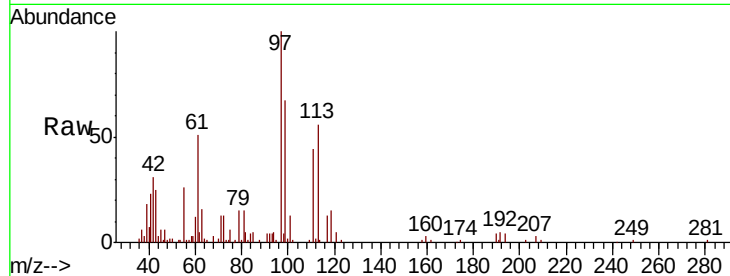
ClientSampled :

VSTDIC020

Tot Ion:	97	Resp:	85699
Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.4	78.6
61	51.0	39.7	59.5

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#33

1,2-Dichloroethane-d4

Concen: 22.09 ug/l

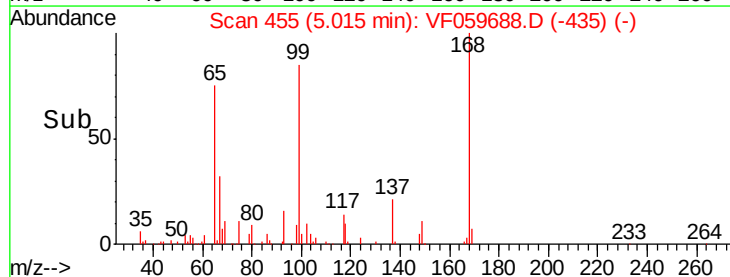
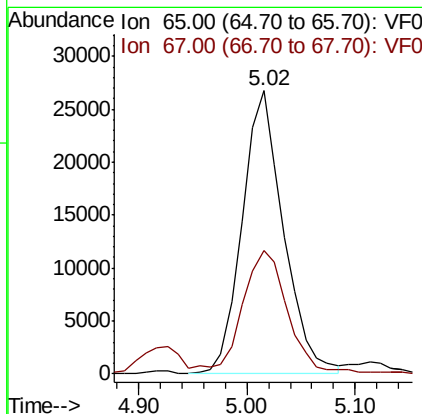
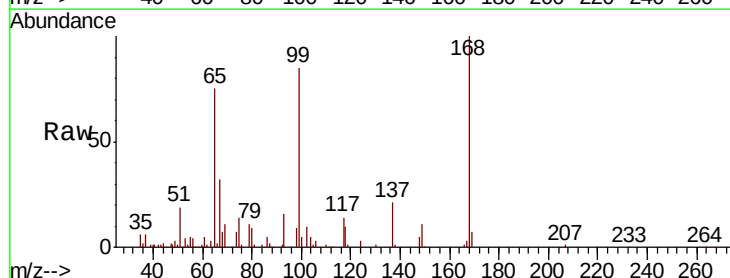
RT: 5.02 min Scan# 455

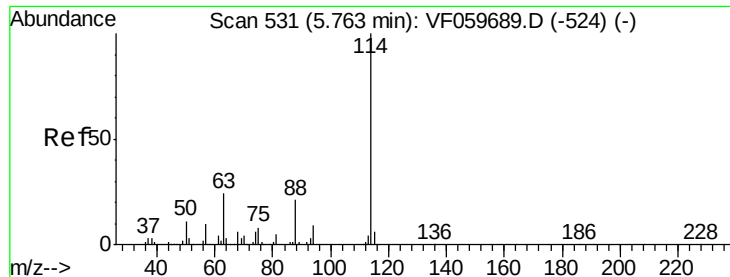
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	65	Resp:	71263
Ion	Ratio	Lower	Upper
65	100		
67	43.5	0.0	84.6





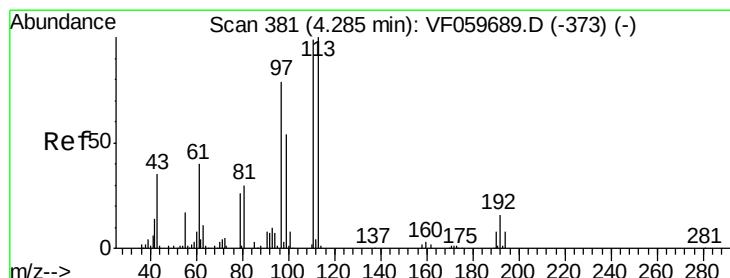
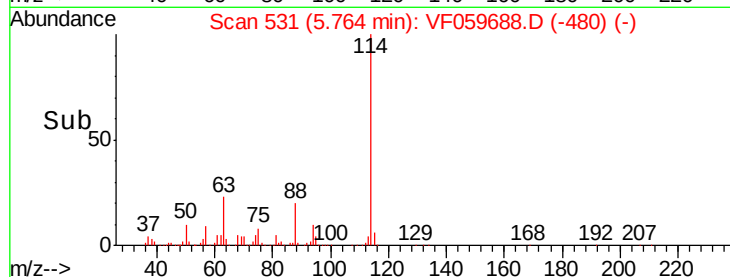
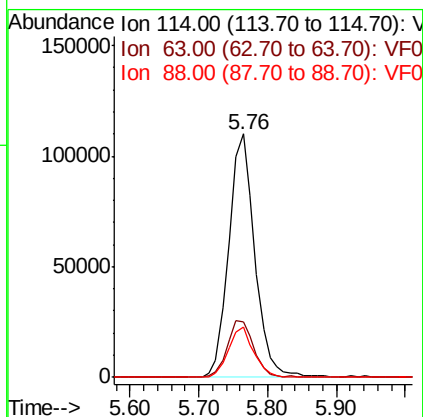
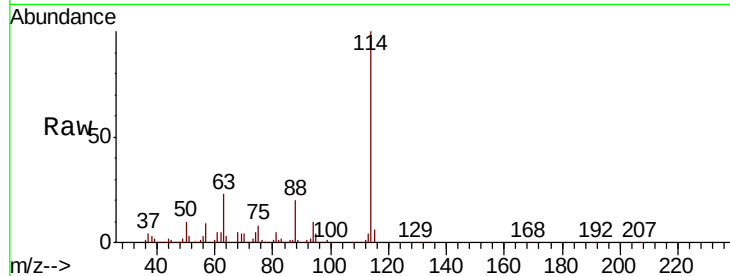
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	288588		
63	22.9		0.0	47.4
88	20.5		0.0	41.2

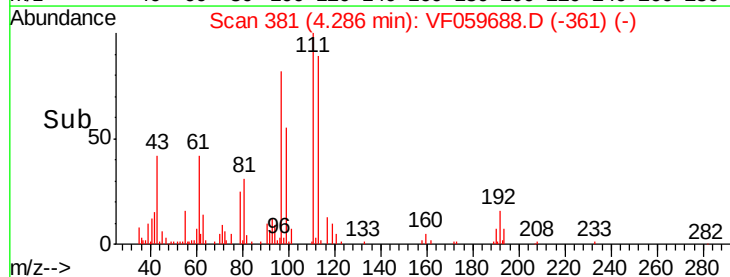
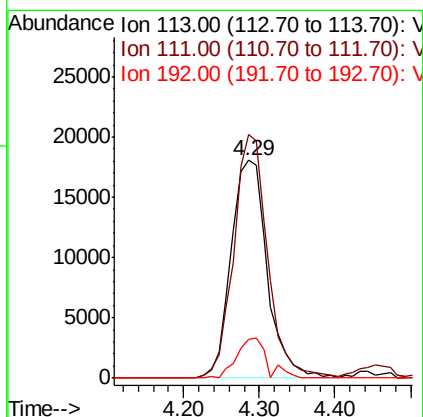
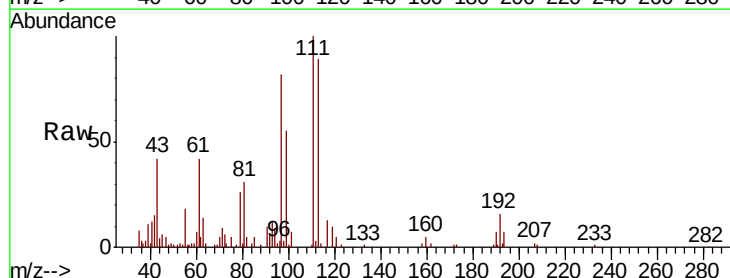
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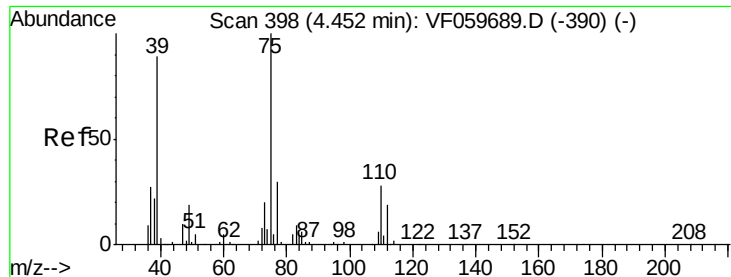
apatel
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#35
 Dibromofluoromethane
 Concen: 21.57 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	59588		
111	111.9		79.0	118.4
192	18.1		13.2	19.8





#36

1,1-Dichloropropene

Concen: 21.62 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

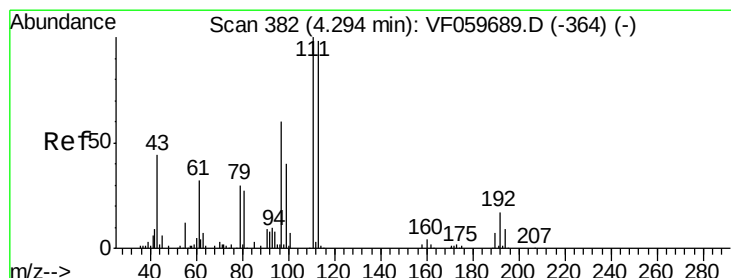
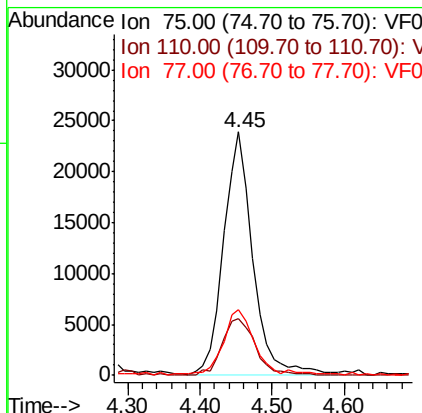
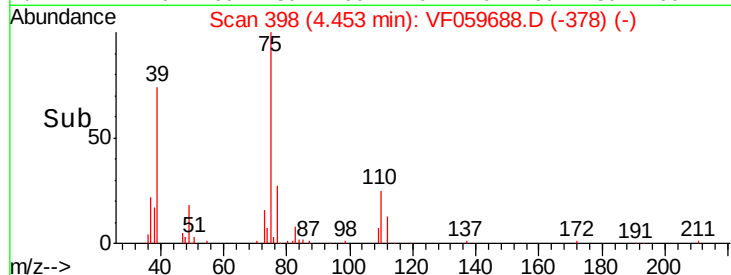
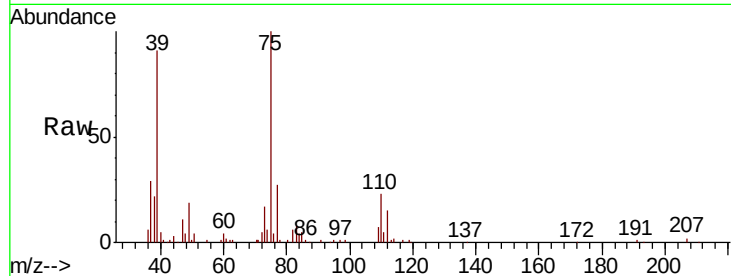
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	67680
Ion Ratio	Lower	Upper	
75	100		
110	23.4	14.0	41.9
77	26.9	24.2	36.2

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#37

Ethyl Acetate

Concen: 23.21 ug/l

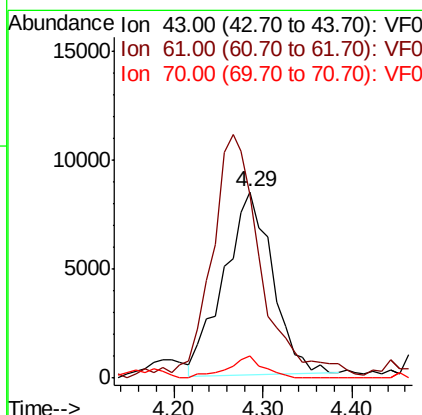
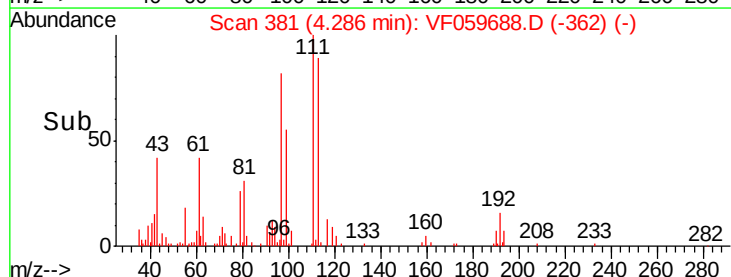
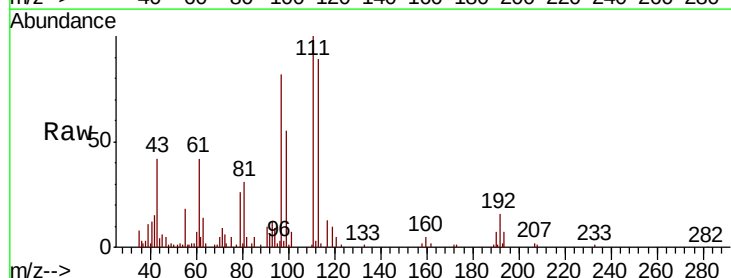
RT: 4.29 min Scan# 381

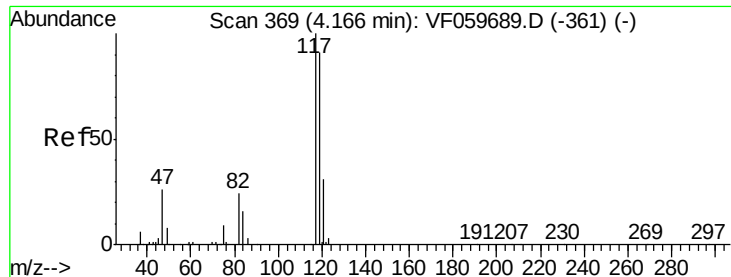
Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	43	Resp:	31696
Ion Ratio	Lower	Upper	
43	100		
61	98.8	58.2	87.2#
70	11.7	6.0	9.0#





#38

Carbon Tetrachloride

Concen: 21.09 ug/l m

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

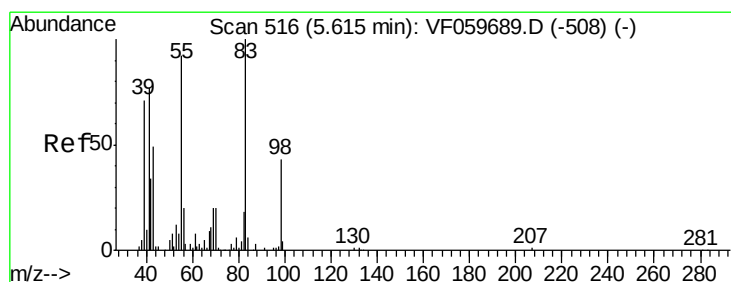
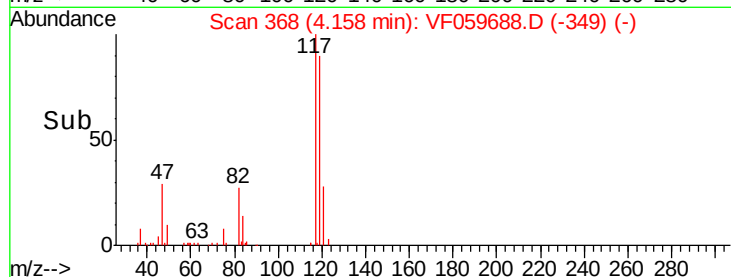
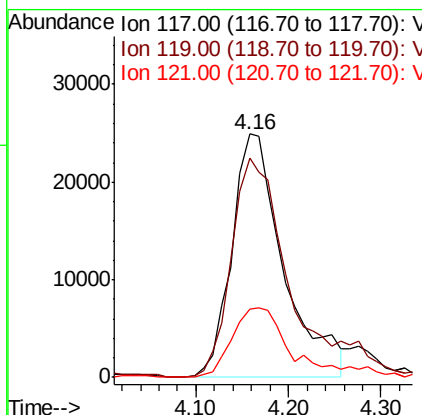
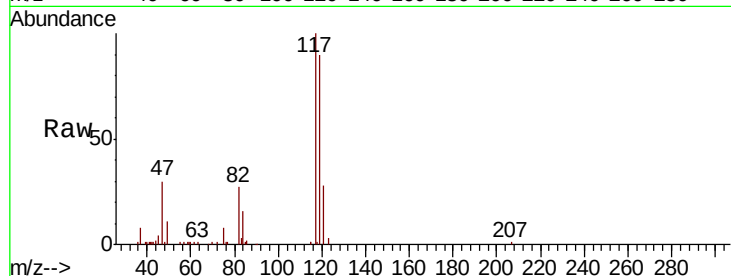
ClientSampleId :

VSTDIC020

Tot Ion:	117	Resp:	96862
Ion Ratio	Lower	Upper	
117	100		
119	90.3	72.9	109.3
121	28.0	25.0	37.4

Manual Integrations
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#39

Methylcyclohexane

Concen: 20.45 ug/l

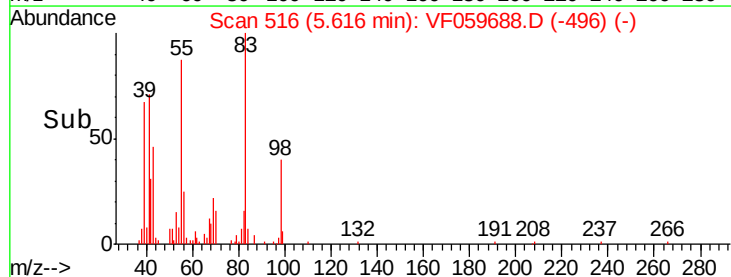
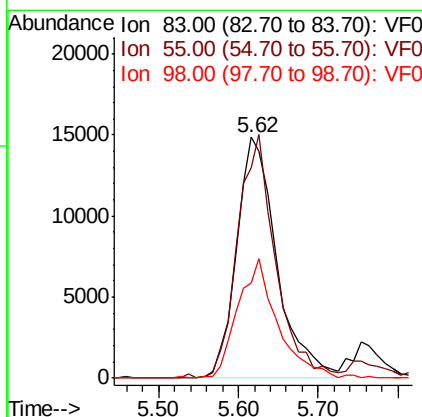
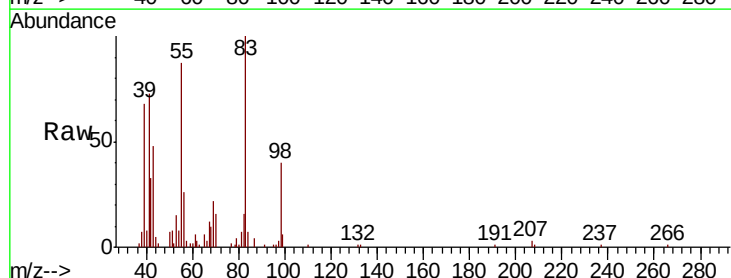
RT: 5.62 min Scan# 516

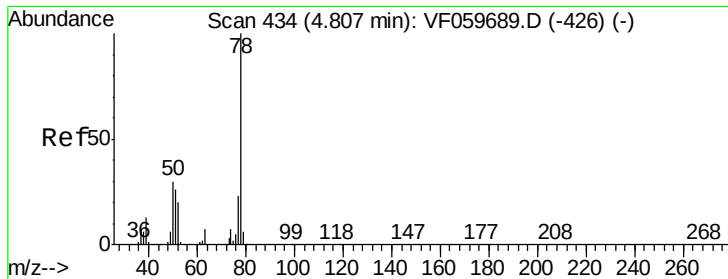
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	83	Resp:	52086
Ion Ratio	Lower	Upper	
83	100		
55	87.4	73.4	110.2
98	39.5	34.2	51.4





#40

Benzene

Concen: 20.75 ug/l

RT: 4.81 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 115354

Ion Ratio Lower Upper

78 100

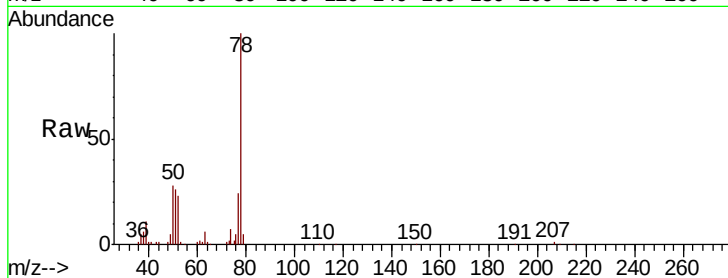
77 24.3 18.9 28.3

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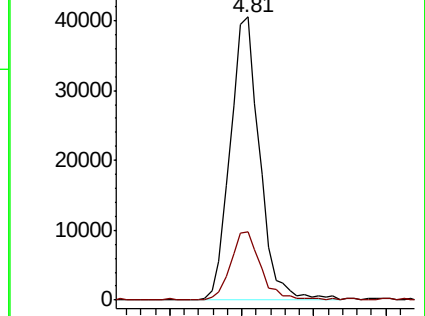
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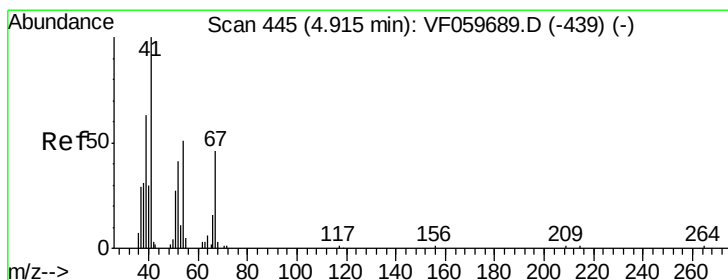
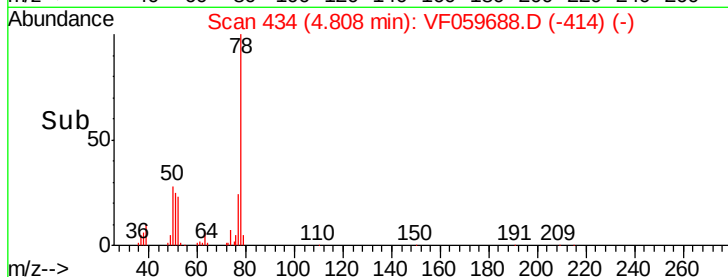


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 23.93 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion: 41 Resp: 16090

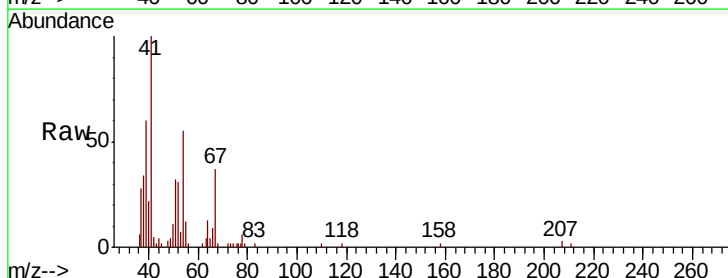
Ion Ratio Lower Upper

41 100

39 59.8 55.2 82.8

67 36.6 36.2 54.2

52 31.2 37.7 56.5#

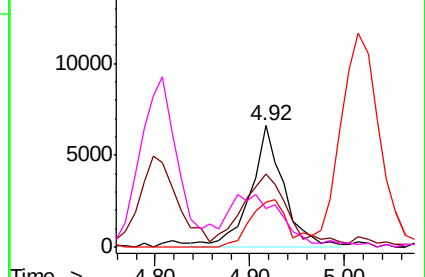


Abundance Ion 41.00 (40.70 to 41.70): VF0

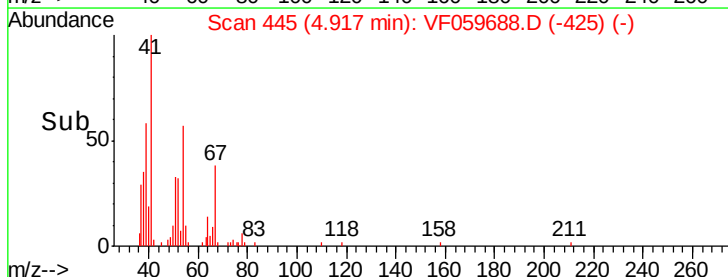
Ion 39.00 (38.70 to 39.70): VF0

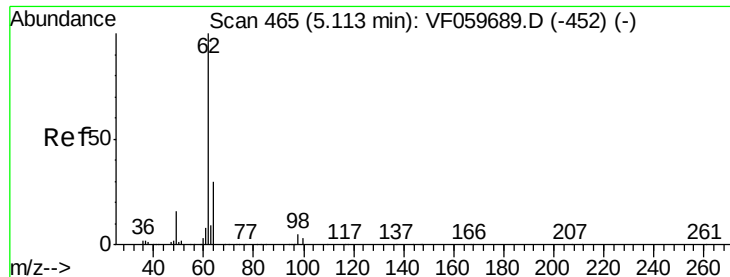
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





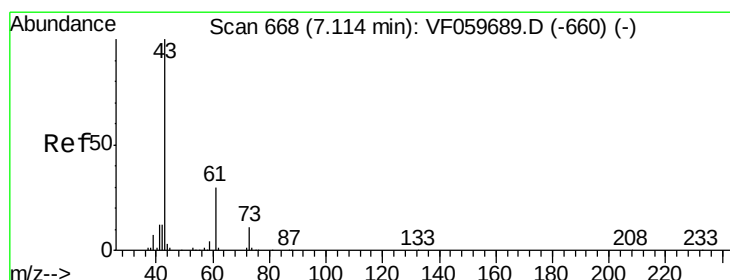
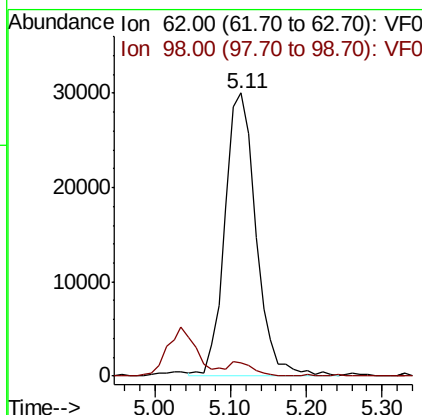
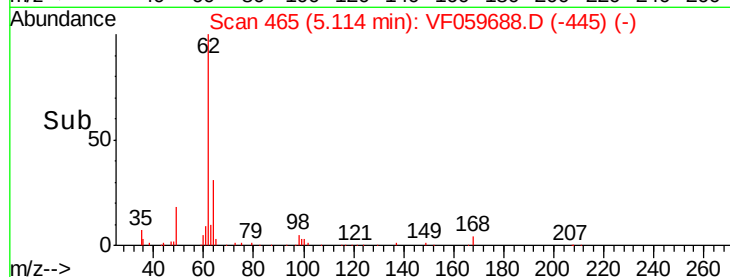
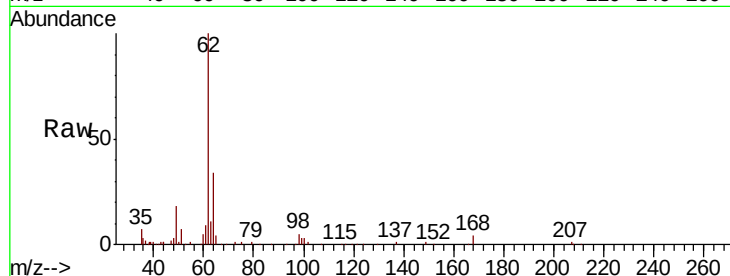
#42
 1,2-Dichloroethane
 Concen: 23.67 ug/l
 RT: 5.11 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	85633		
98	4.8		0.0	9.6

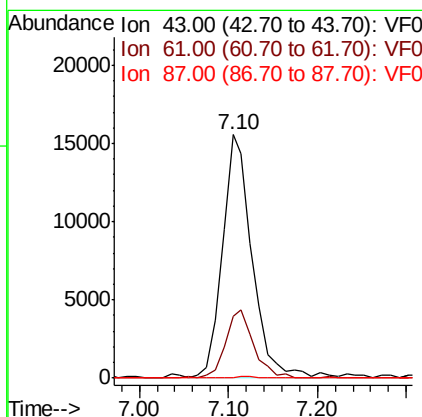
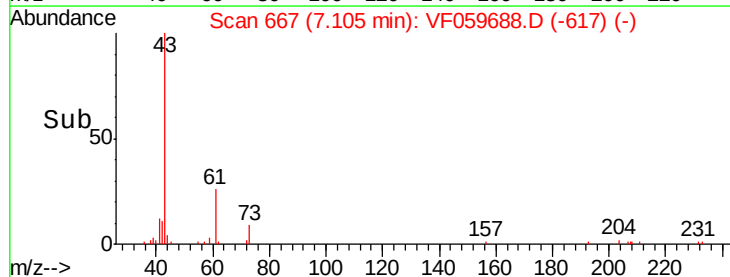
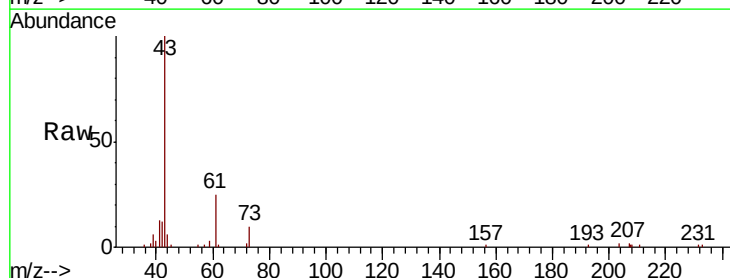
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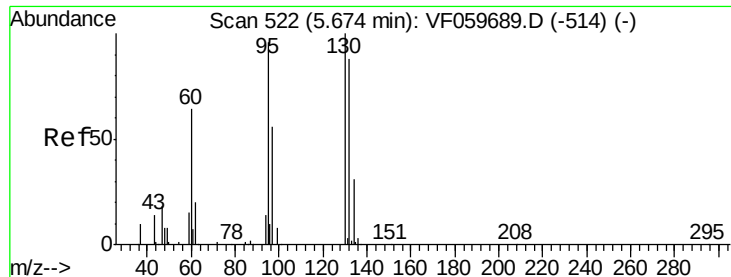
apatel
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#43
 Isopropyl Acetate
 Concen: 25.83 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36519		
61	25.2		23.8	35.8
87	0.0		0.6	1.0#





#44

Trichloroethene

Concen: 21.09 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:130 Resp: 45416

Ion Ratio Lower Upper

130 100

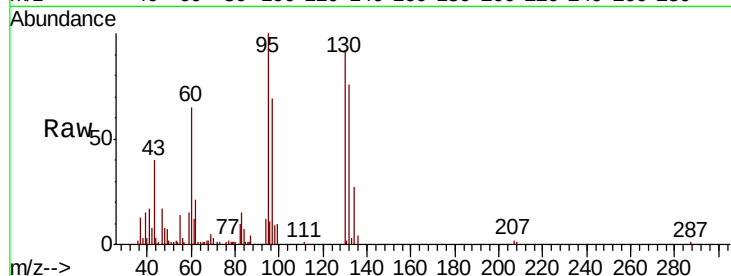
95 108.8 0.0 191.0

Manual Integrations

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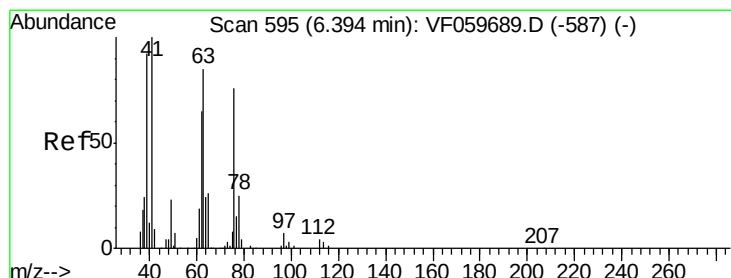
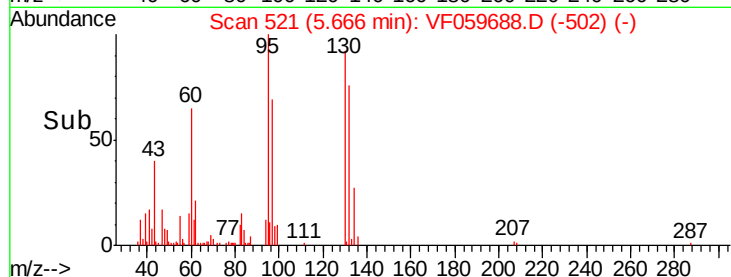
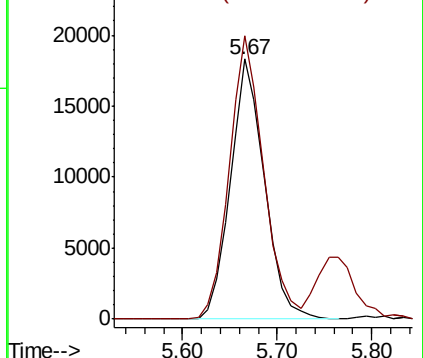
apatel

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#45

1,2-Dichloropropane

Concen: 21.85 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059688.D

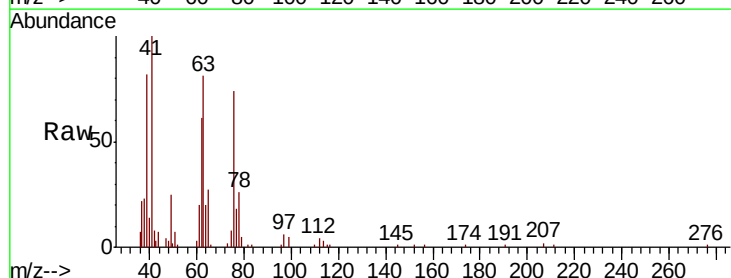
Acq: 30 Jul 2018 15:02

Tgt Ion: 63 Resp: 32285

Ion Ratio Lower Upper

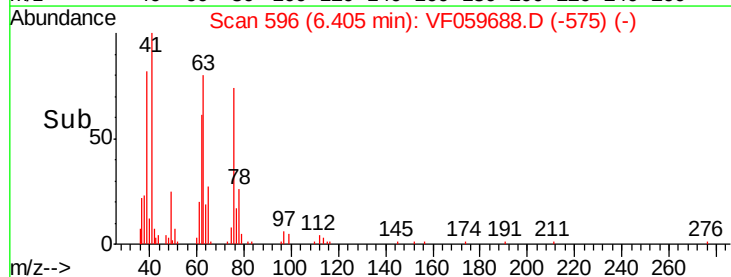
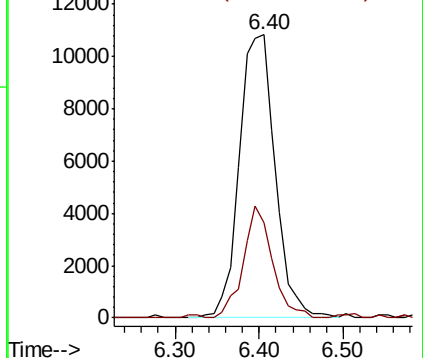
63 100

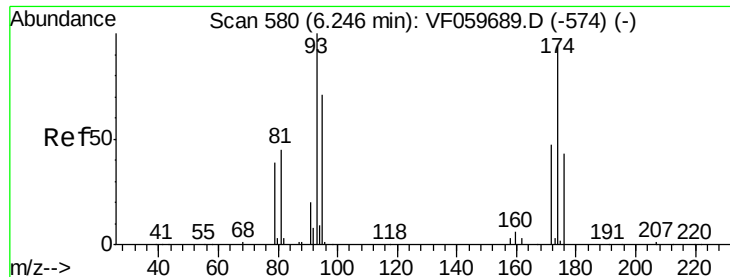
65 33.5 25.2 37.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 25.28 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 93 Resp: 32437

Ion Ratio Lower Upper

93 100

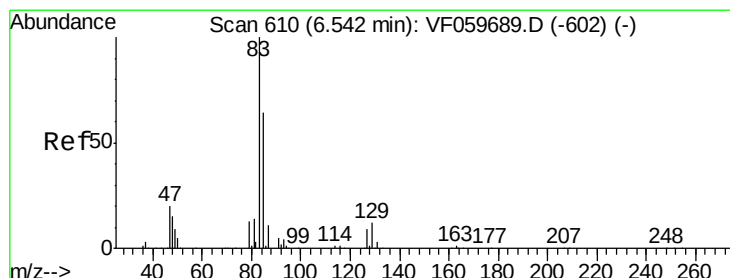
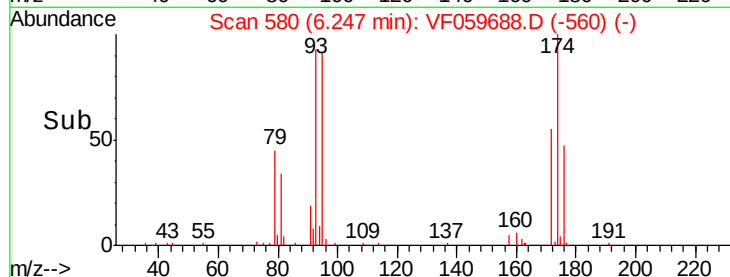
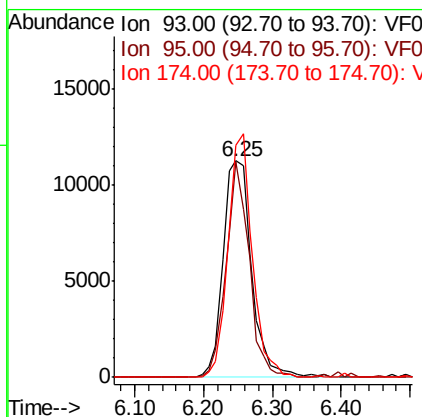
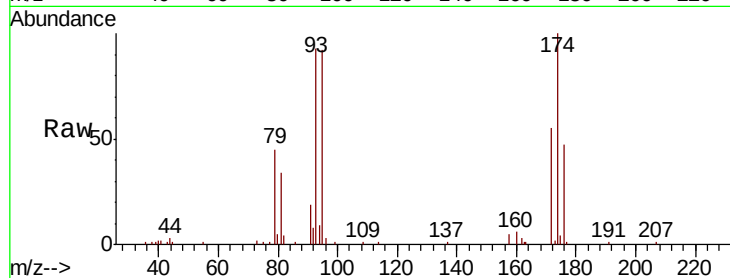
95 99.3 57.1 85.7#

174 111.4 74.8 112.2

Manual Integrations
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#47

Bromodichloromethane

Concen: 21.87 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

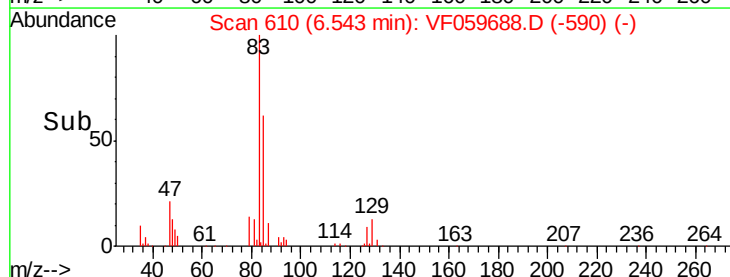
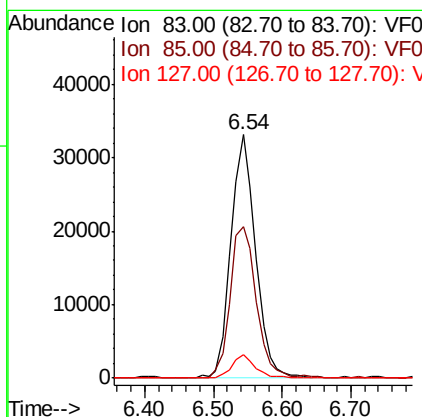
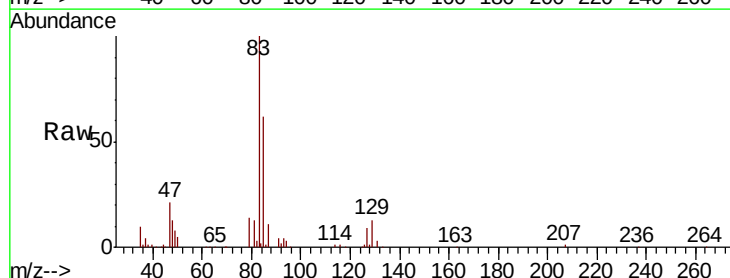
Tgt Ion: 83 Resp: 82217

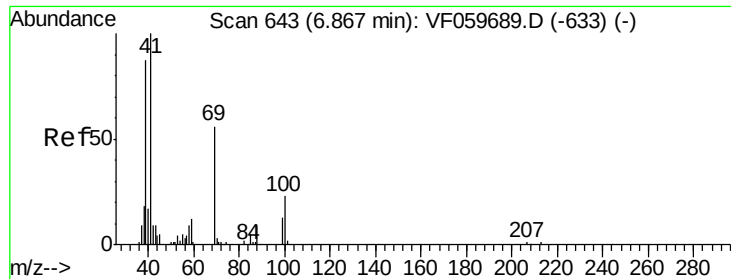
Ion Ratio Lower Upper

83 100

85 62.0 51.0 76.6

127 9.4 7.3 10.9





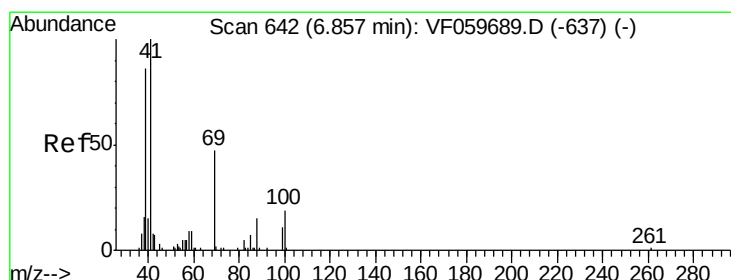
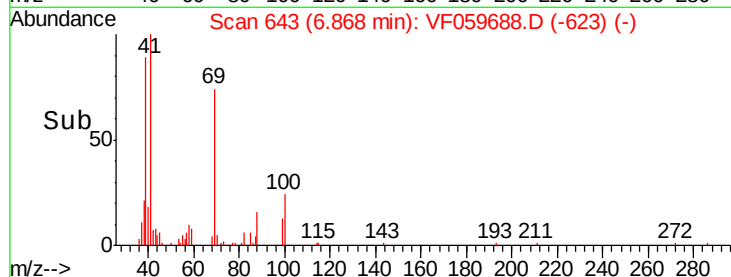
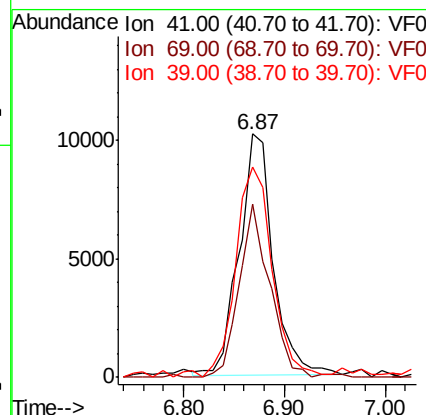
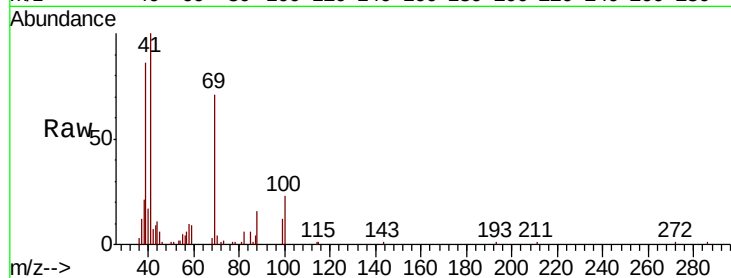
#48
Methvl methacrylate
Concen: 21.63 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
69	71.3	44.4	66.6#
39	86.2	69.4	104.2

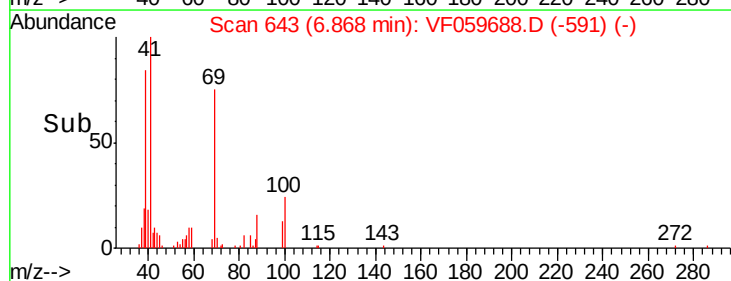
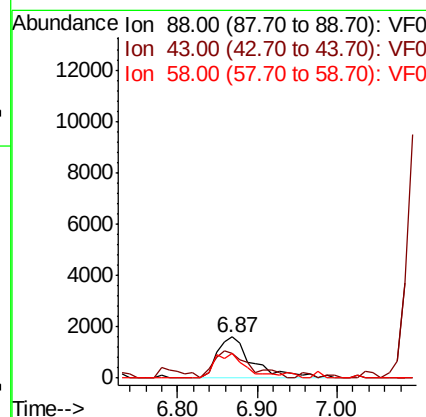
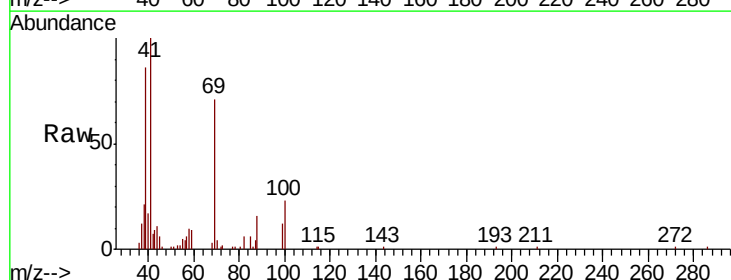
Manual Integrations
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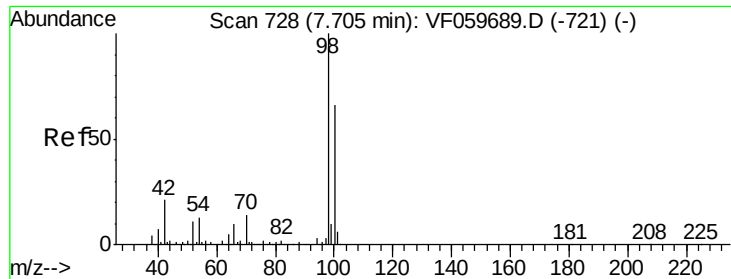
apatel
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#49
1,4-Dioxane
Concen: 568.93 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.5	45.2	67.8
58	61.2	49.0	73.6





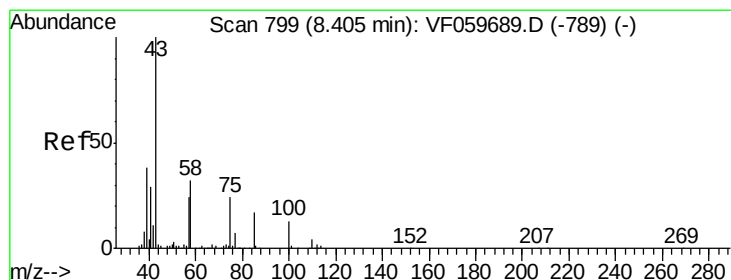
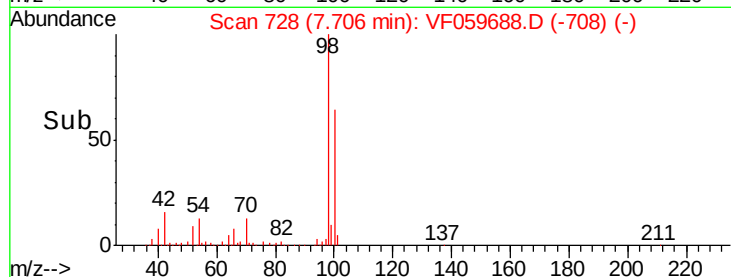
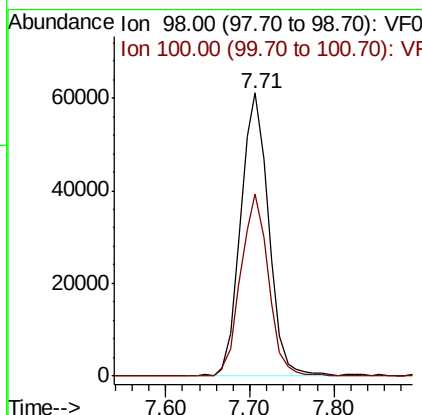
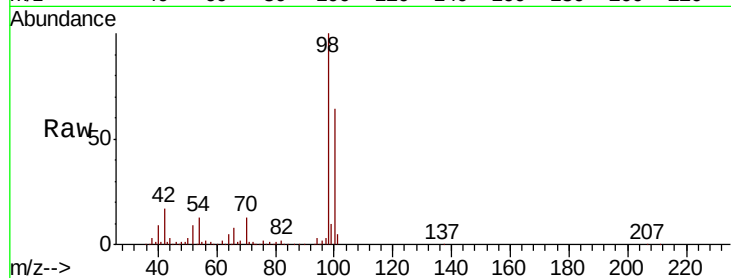
#50
Toluene-d8
Concen: 21.20 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	98	100	Ratio	Lower	Upper
141573	100	64.5	52.8	79.2	

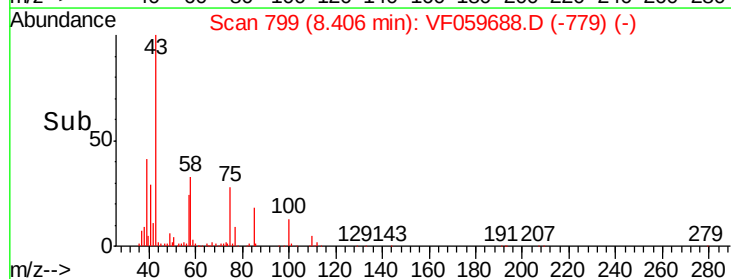
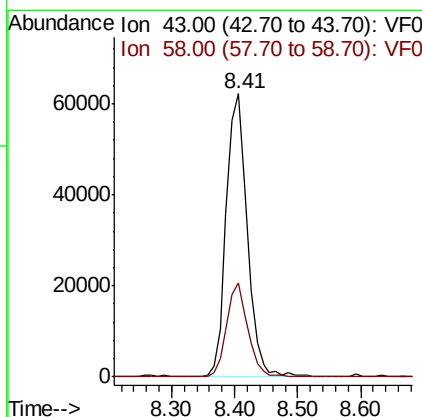
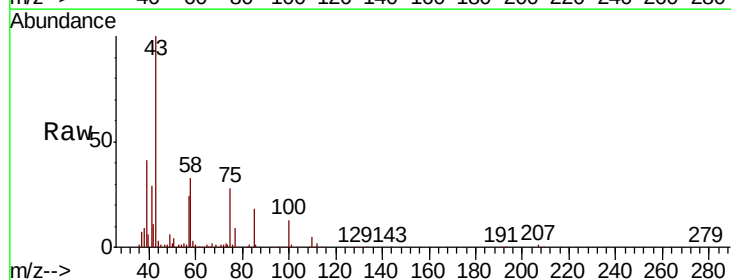
Manual Integrations
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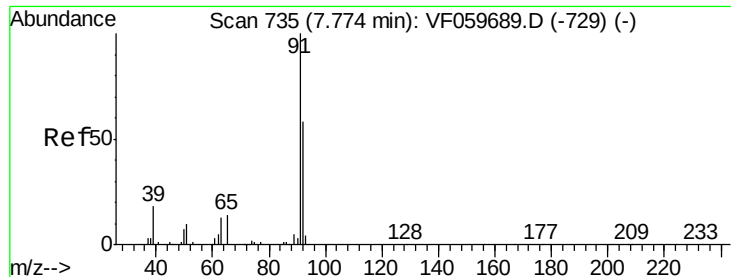
apatel
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#51
4-Methyl-2-Pentanone
Concen: 127.22 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	43	58	Ratio	Lower	Upper
144748	100	33.0	25.9	38.9	





#52

Toluene

Concen: 21.46 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 88611

Ion Ratio Lower Upper

92 100

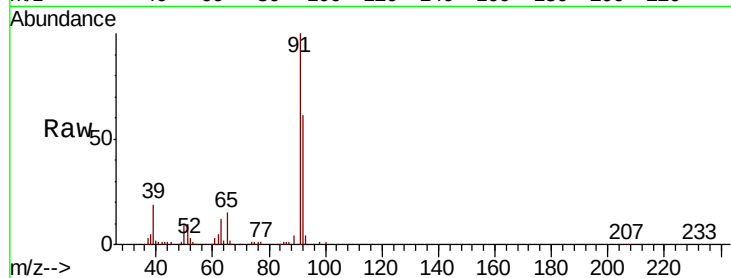
91 164.2 139.0 208.4

Manual Integrations

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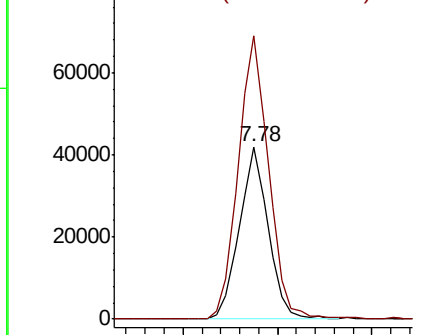
apatel

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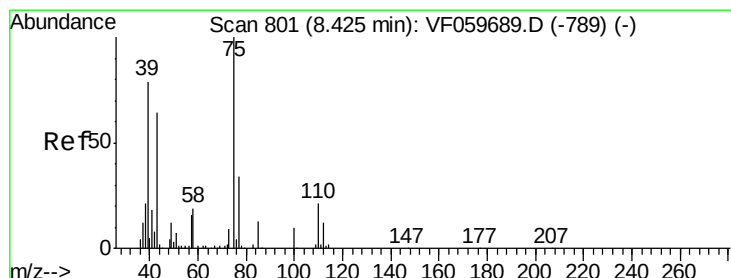
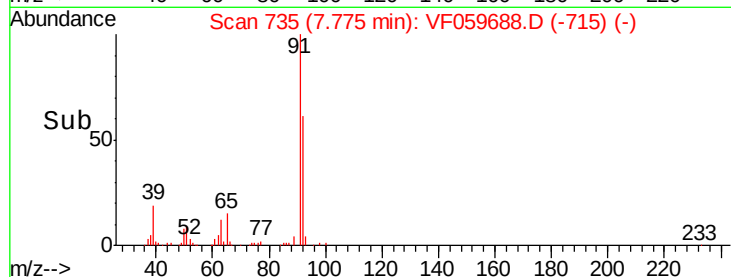


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#53

t-1,3-Dichloropropene

Concen: 23.92 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059688.D

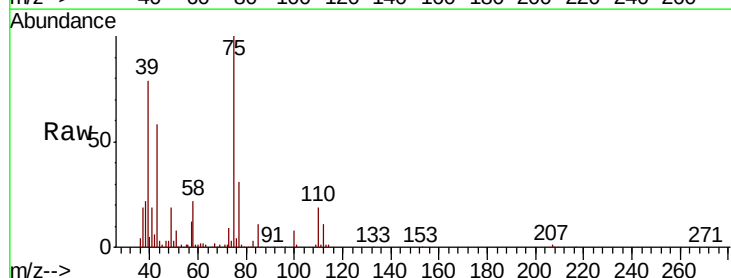
Acq: 30 Jul 2018 15:02

Tgt Ion: 75 Resp: 71928

Ion Ratio Lower Upper

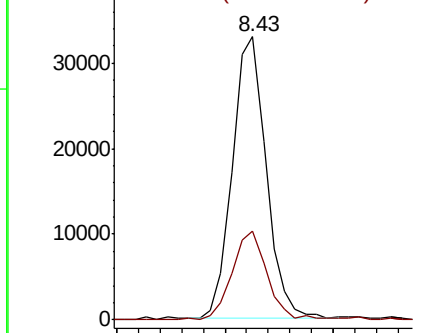
75 100

77 31.4 27.0 40.4

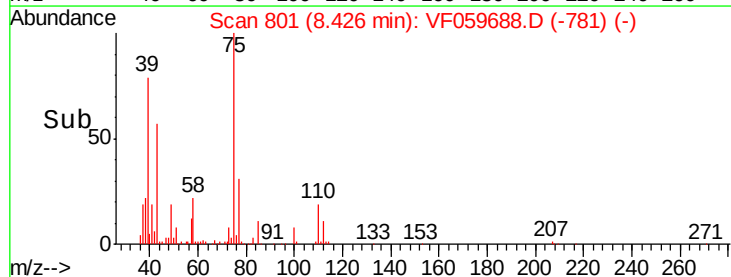


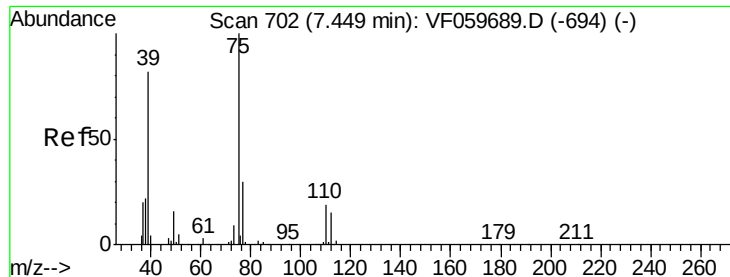
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 23.85 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

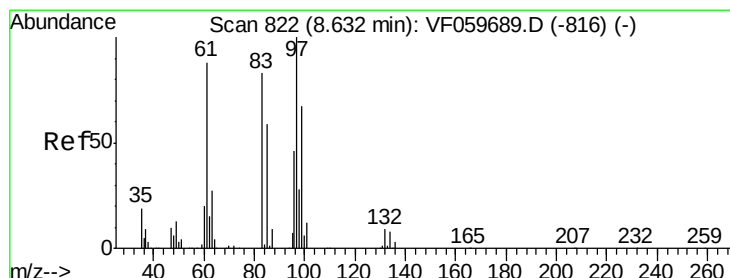
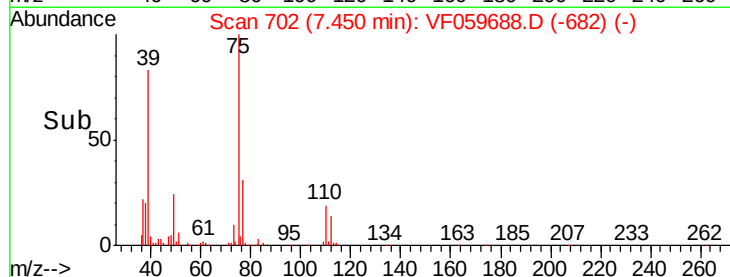
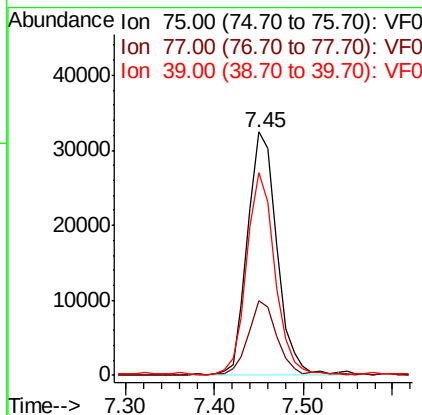
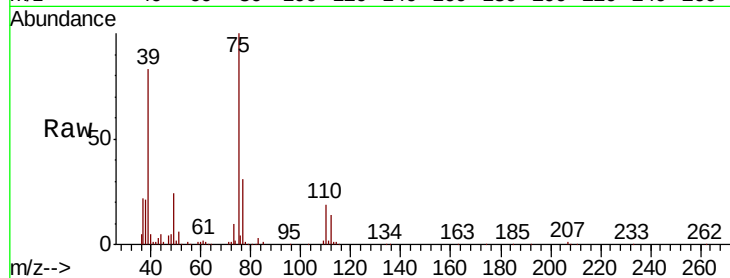
VSTDIC020

Tot Ion:	75	Resp:	74411
Ion Ratio	Lower	Upper	
75	100		
77	30.8	24.0	36.0
39	83.4	65.4	98.2

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 24.24 ug/l

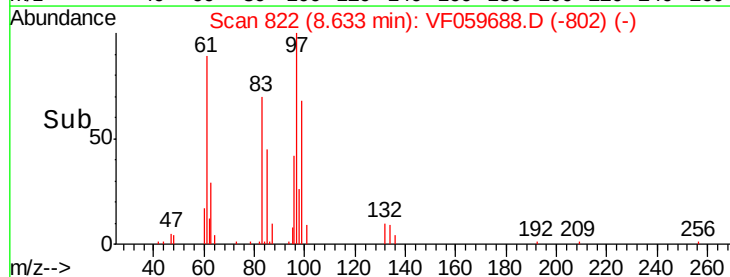
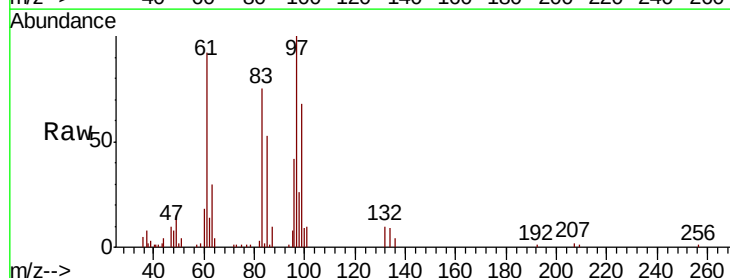
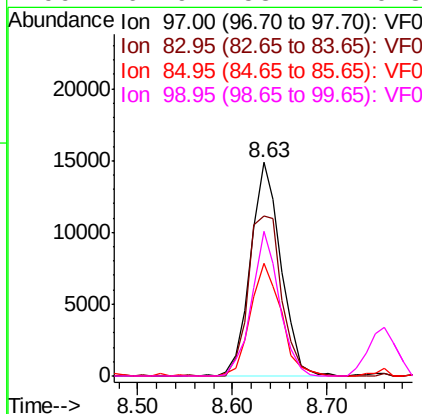
RT: 8.63 min Scan# 822

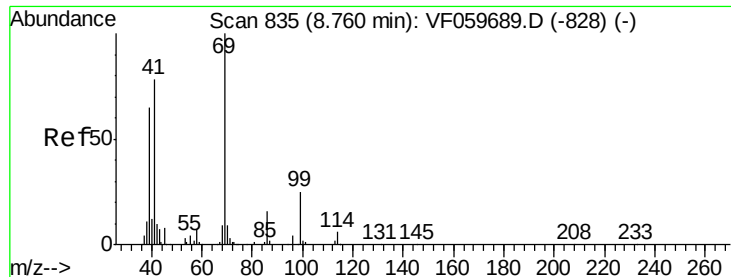
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	97	Resp:	33244
Ion Ratio	Lower	Upper	
97	100		
83	74.9	66.6	100.0
85	53.0	47.4	71.0
99	67.9	53.2	79.8





#56

Ethyl methacrylate

Concen: 23.38 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

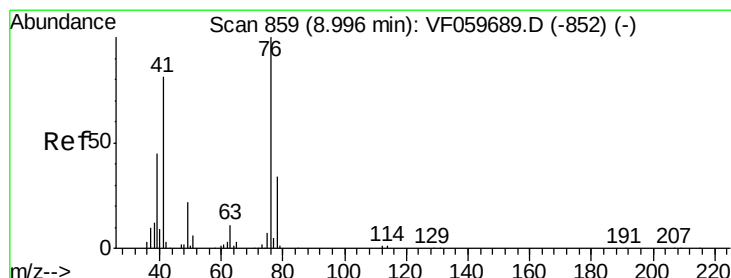
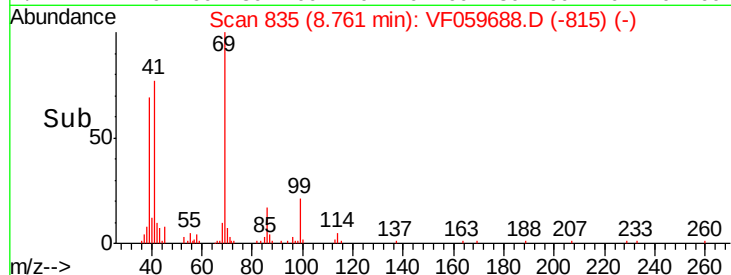
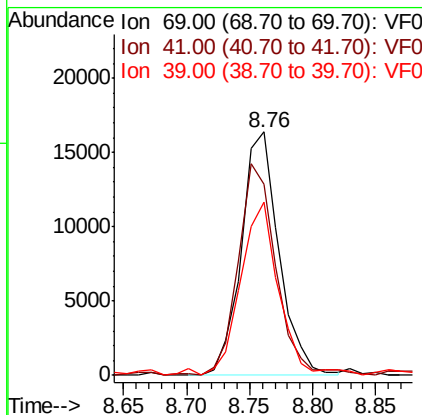
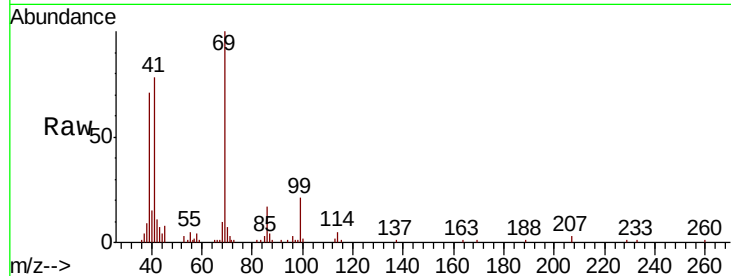
ClientSampleId :

VSTDIC020

Tot Ion:	69	Resp:	34001
Ion	Ratio	Lower	Upper
69	100		
41	78.3	62.3	93.5
39	71.0	52.4	78.6

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 24.64 ug/l

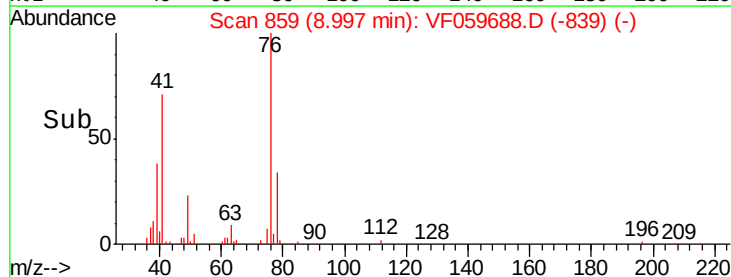
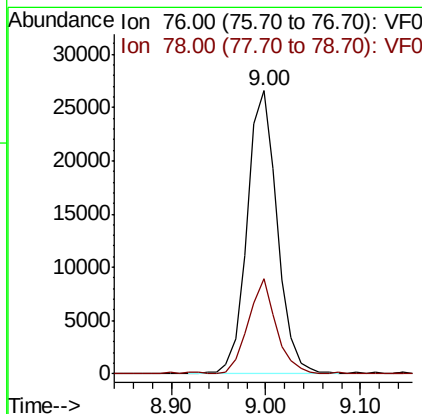
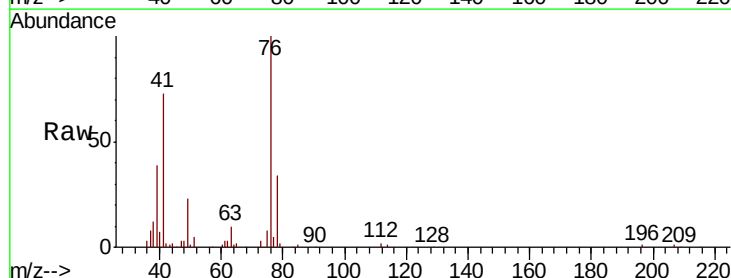
RT: 9.00 min Scan# 859

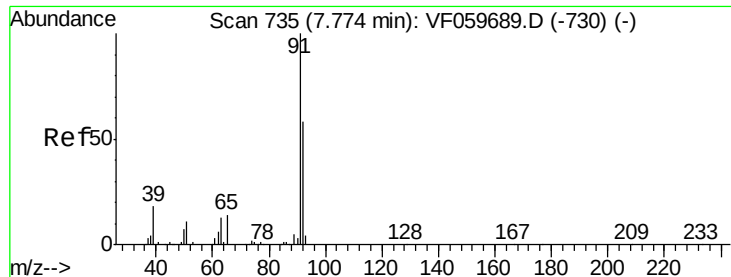
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	76	Resp:	58452
Ion	Ratio	Lower	Upper
76	100		
78	33.6	27.2	40.8





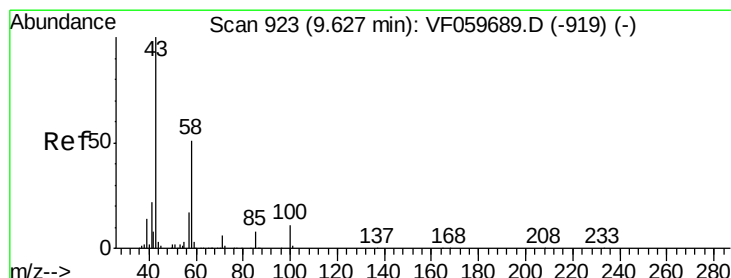
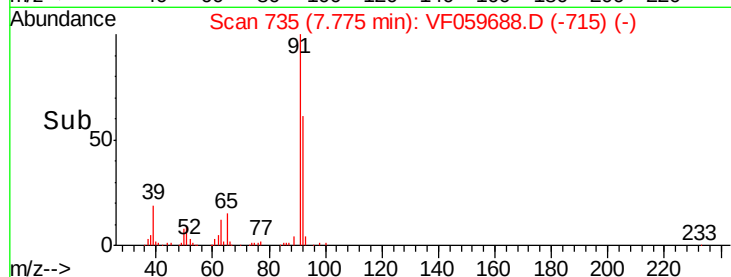
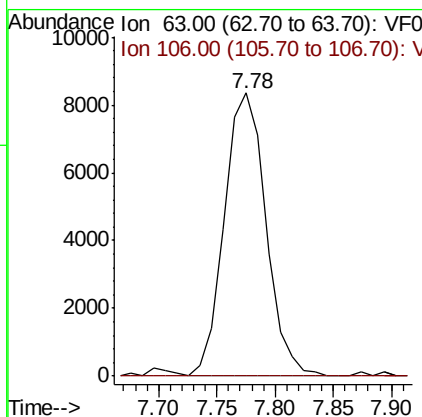
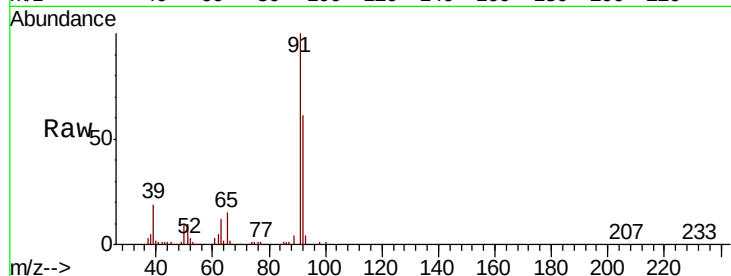
#58
 2-Chloroethyl Vinyl ether
 Concen: 117.65 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 20656
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

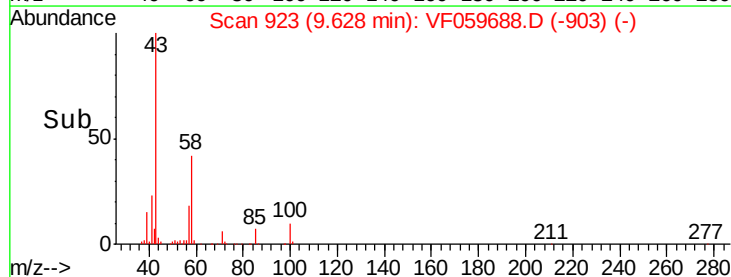
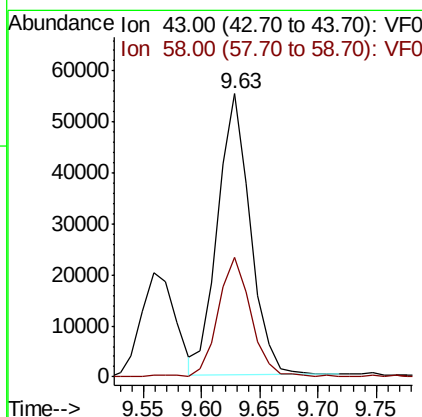
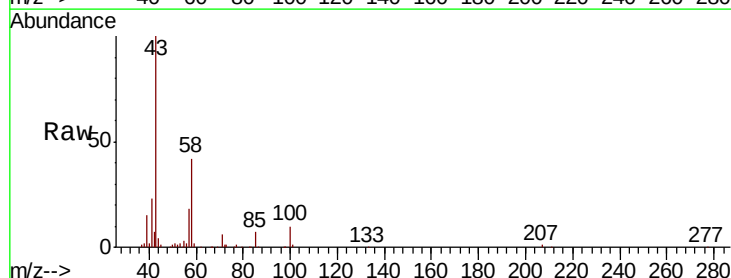
Manual Integrations
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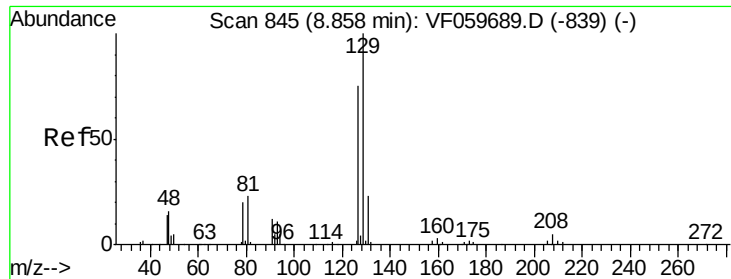
apatel
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#59
 2-Hexanone
 Concen: 127.30 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion: 43 Resp: 107441
 Ion Ratio Lower Upper
 43 100
 58 42.4 23.3 69.8





#60

Dibromochloromethane

Concen: 23.73 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:129 Resp: 58706

Ion Ratio Lower Upper

129 100

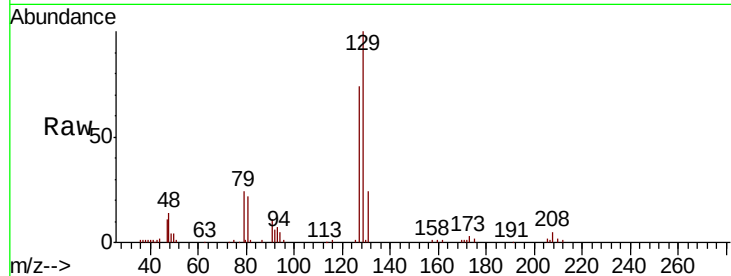
127 74.0 37.7 113.1

Manual Integrations

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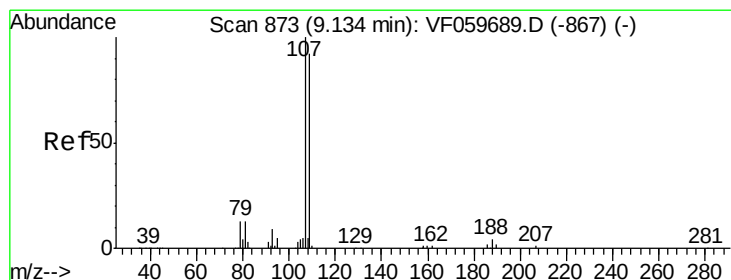
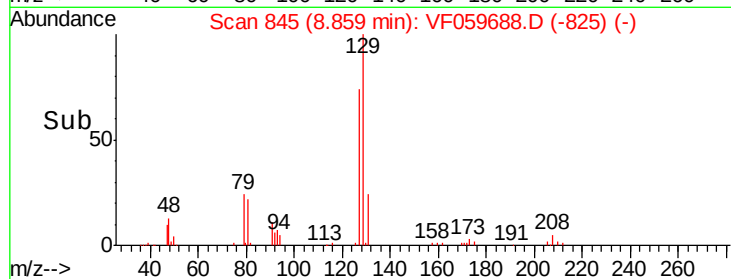
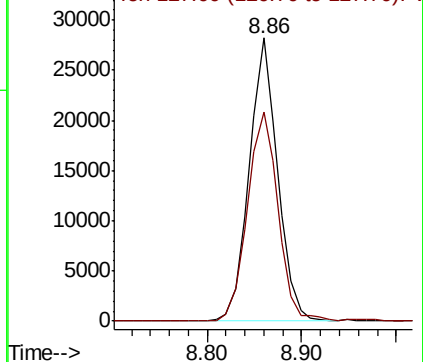
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 24.09 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059688.D

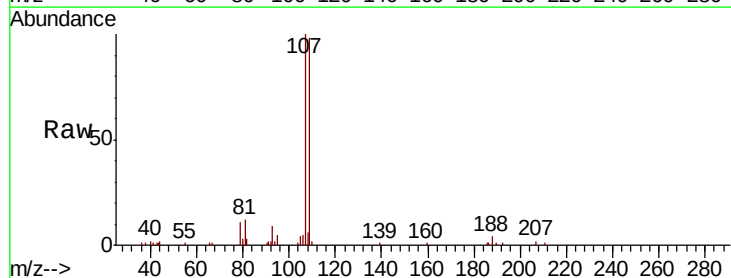
Acq: 30 Jul 2018 15:02

Tgt Ion:107 Resp: 39957

Ion Ratio Lower Upper

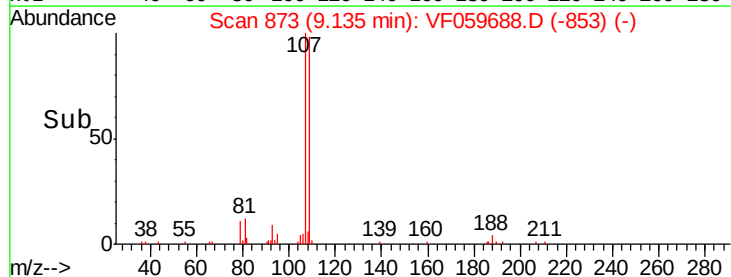
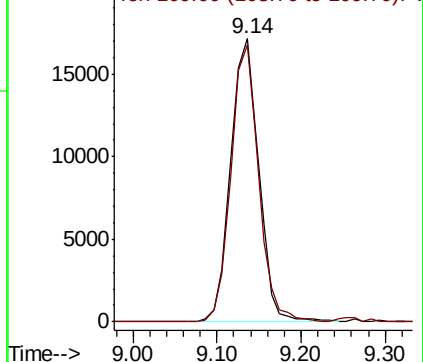
107 100

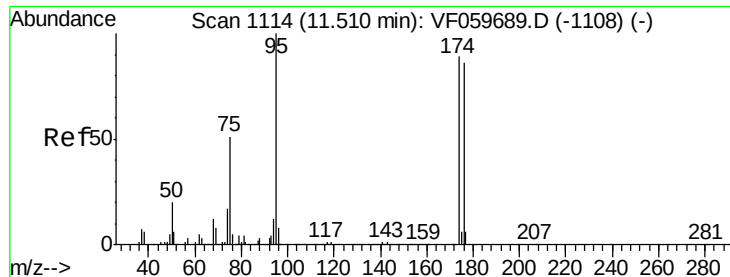
109 97.9 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 21.33 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

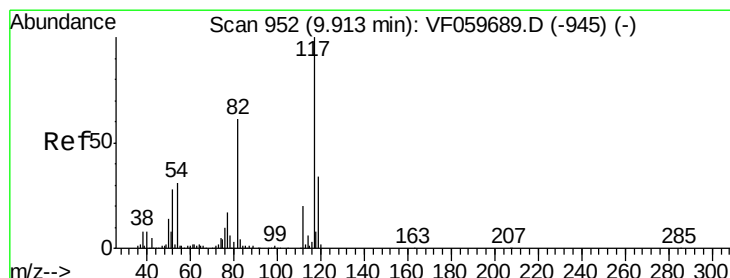
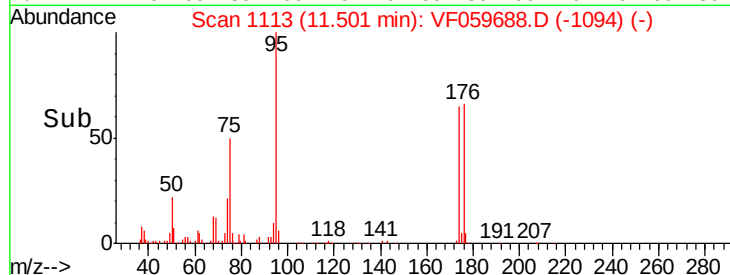
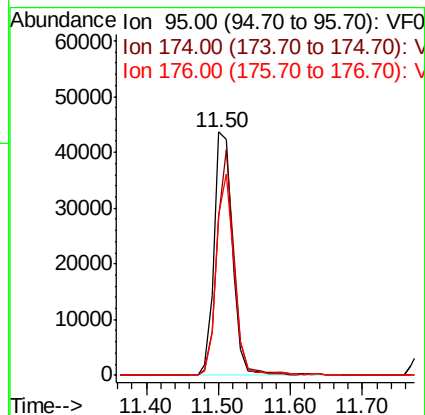
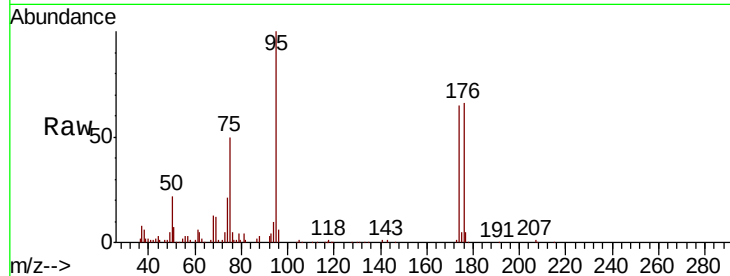
ClientSampleId :

VSTDIC020

Tot Ion:	95	Resp:	77084
Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	178.4
176	65.9	0.0	173.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

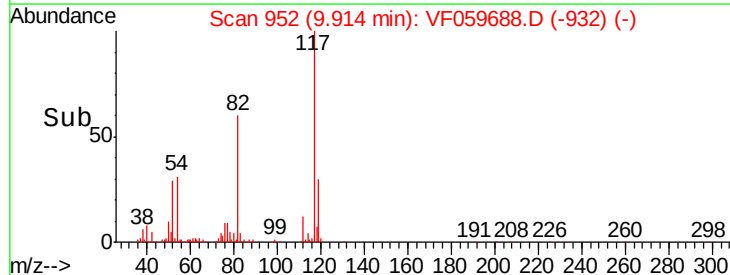
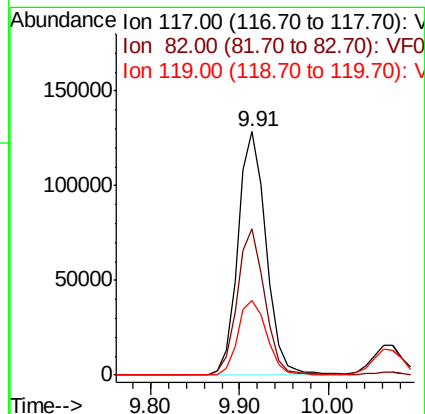
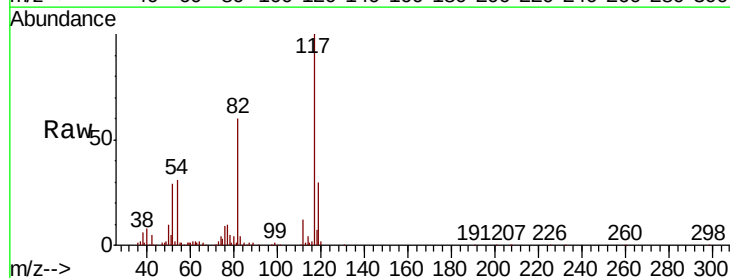
RT: 9.91 min Scan# 952

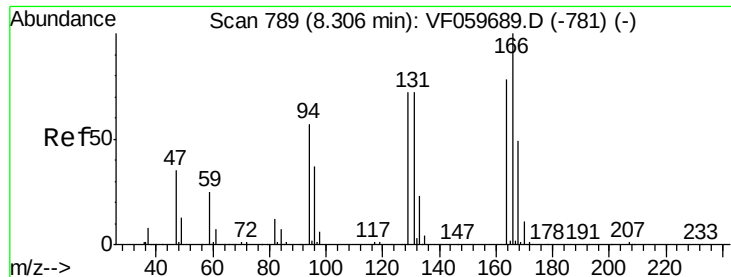
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	117	Resp:	283822
Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.0	73.4
119	30.5	27.3	40.9





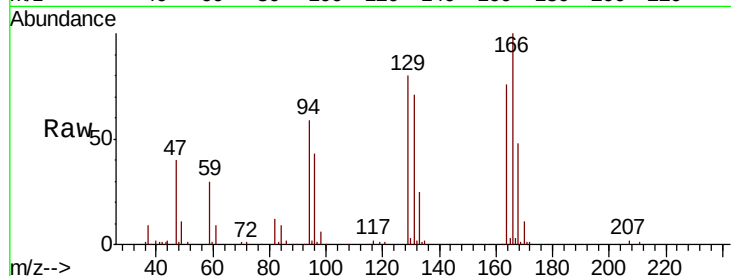
#64
Tetrachloroethene
Concen: 20.18 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.3	102.1	153.1
129	104.9	73.8	110.6
131	93.1	73.1	109.7

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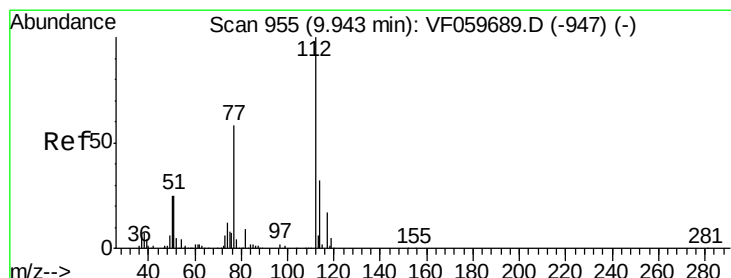
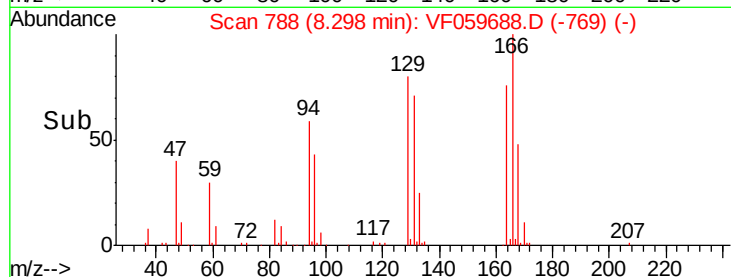
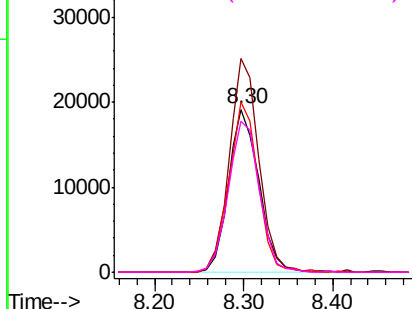
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

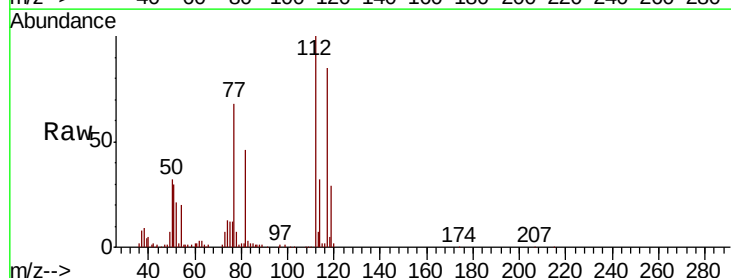
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65
Chlorobenzene
Concen: 21.60 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

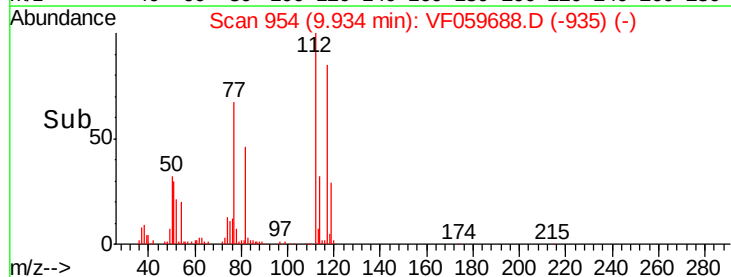
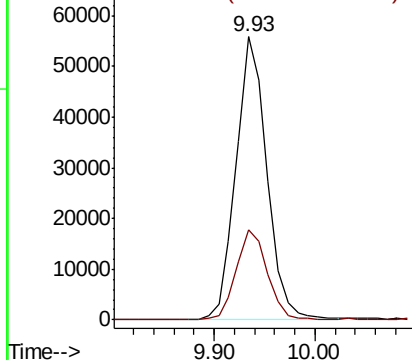
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

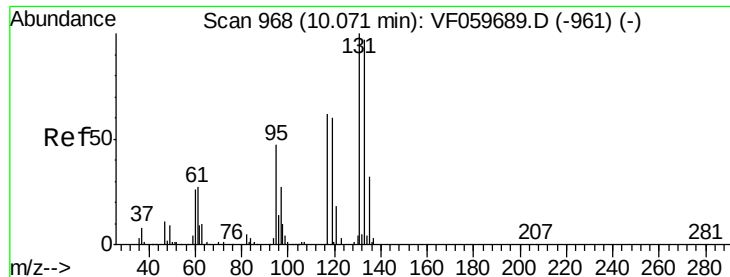


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 22.25 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

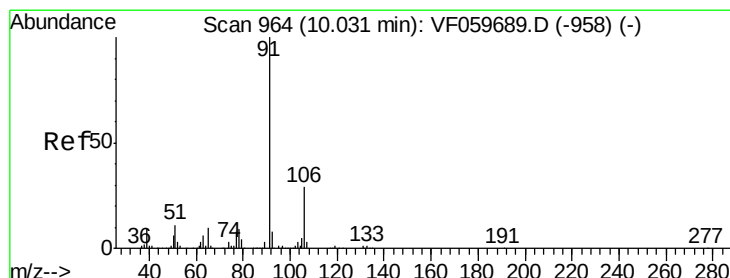
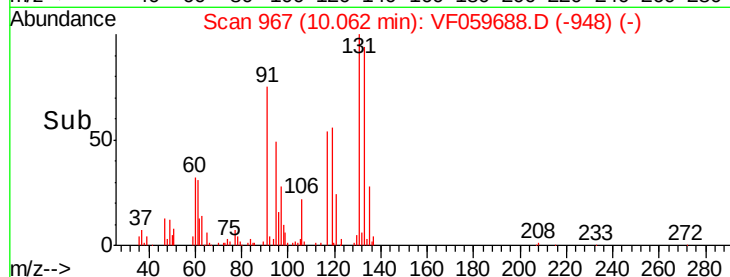
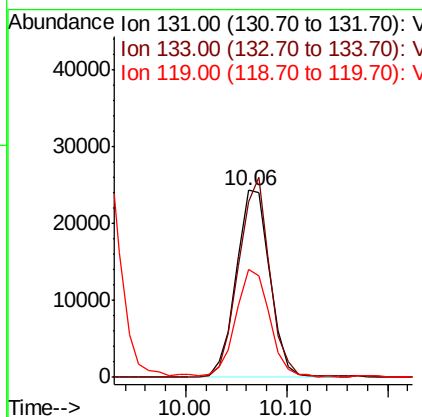
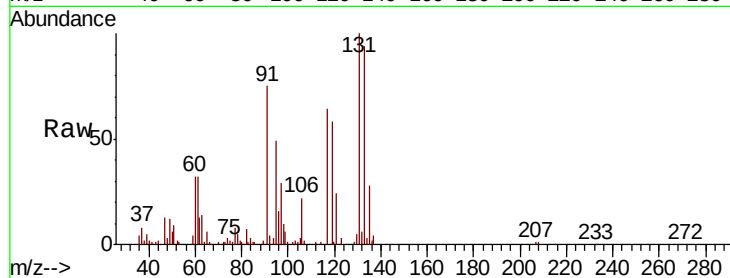
ClientSampleId :

VSTDIC020

Tot Ion:	131	Resp:	56468
Ion Ratio	Lower	Upper	
131	100		
133	93.7	48.5	145.5
119	57.9	30.3	90.8

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#67

Ethyl Benzene

Concen: 21.43 ug/l

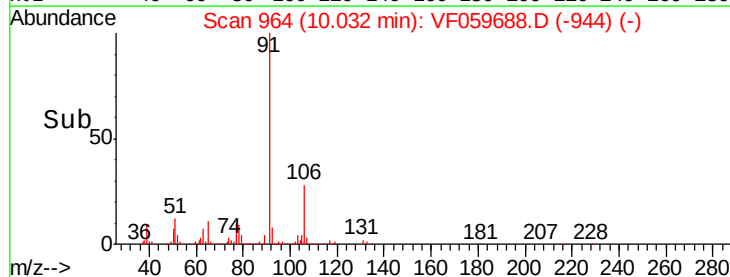
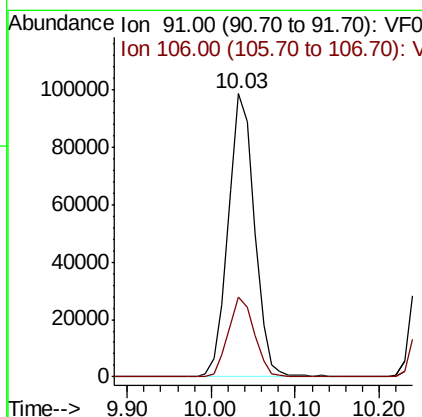
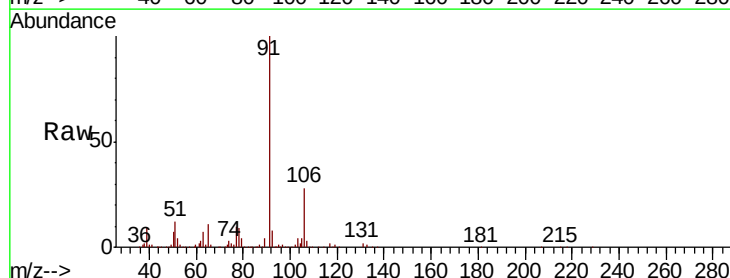
RT: 10.03 min Scan# 964

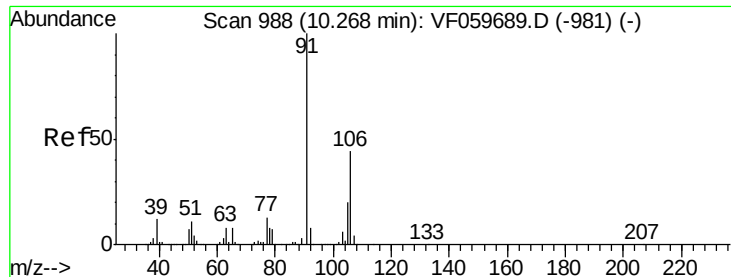
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	91	Resp:	214252
Ion Ratio	Lower	Upper	
91	100		
106	28.0	22.9	34.3





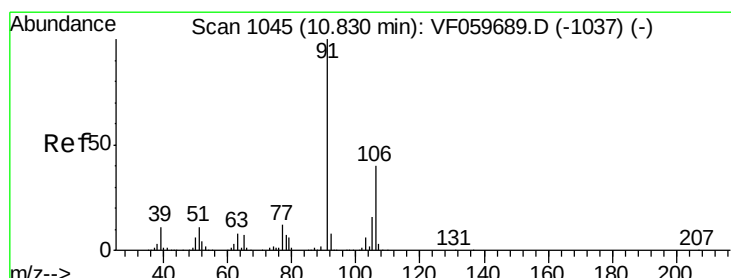
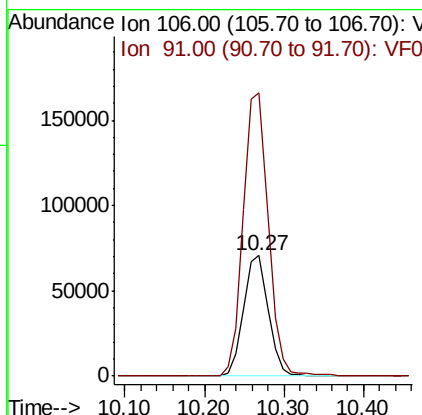
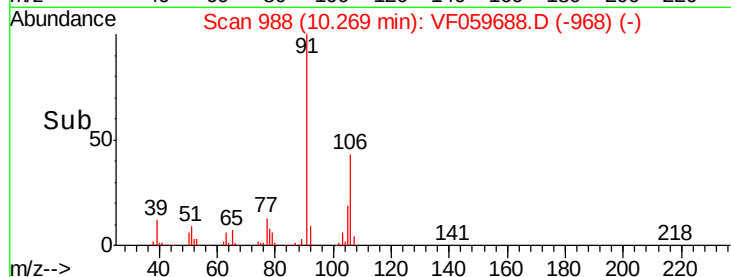
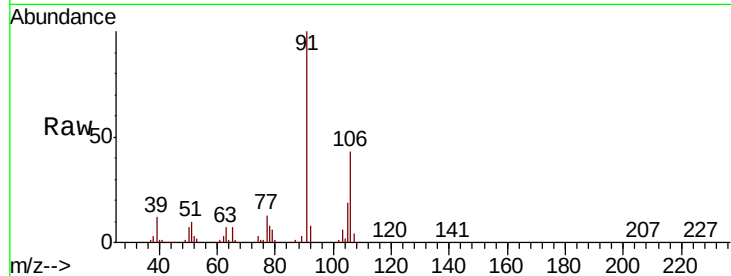
#68
m/p-Xylenes
Concen: 43.71 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 151267
Ion Ratio Lower Upper
106 100
91 235.1 181.7 272.5

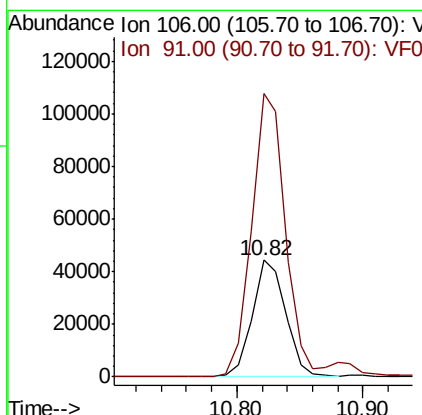
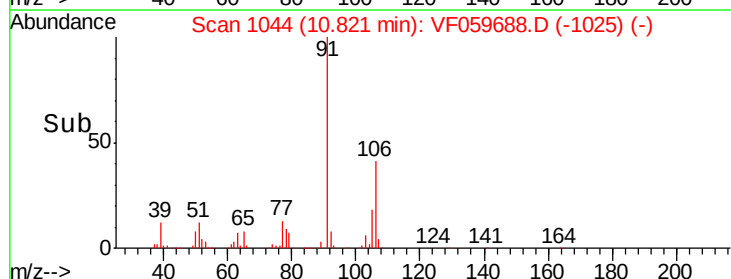
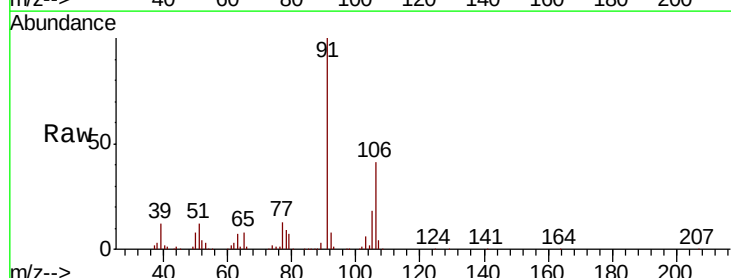
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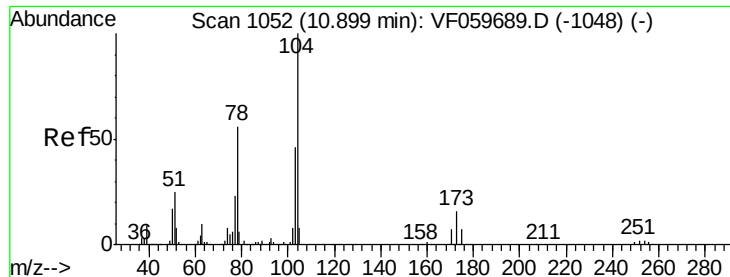
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#69
o-Xylene
Concen: 21.87 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion:106 Resp: 81725
Ion Ratio Lower Upper
106 100
91 242.7 124.6 373.7





#70

Stvrene

Concen: 22.05 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

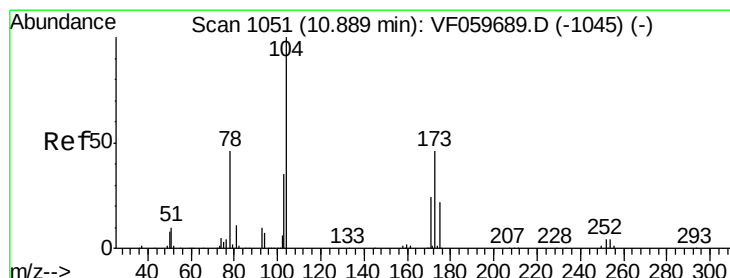
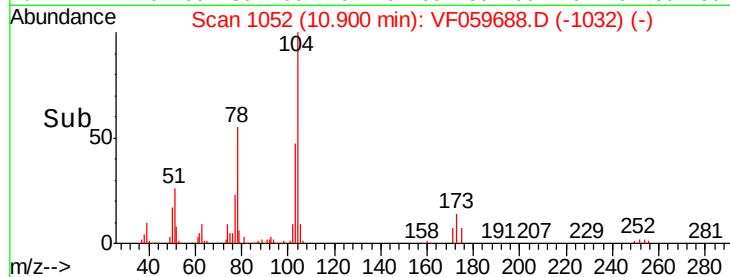
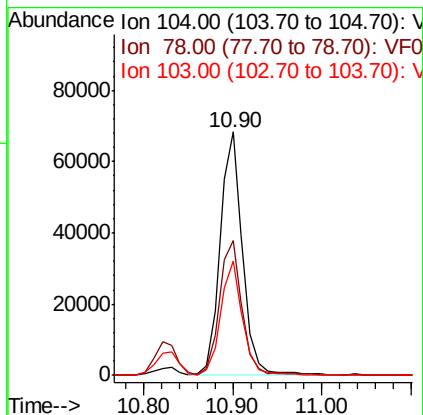
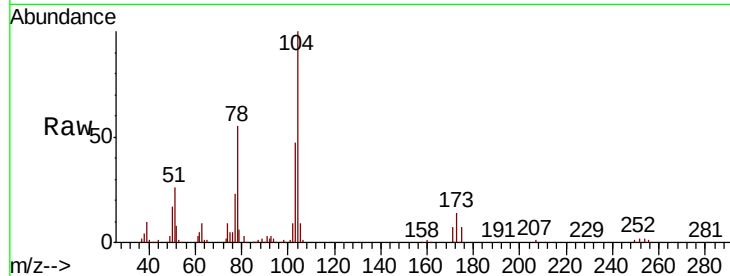
ClientSampleId :

VSTDIC020

Tot Ion:	104	Resp:	119844
Ion Ratio	Lower	Upper	
104	100		
78	55.2	45.3	67.9
103	47.2	36.6	54.8

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#71

Bromoform

Concen: 22.79 ug/l

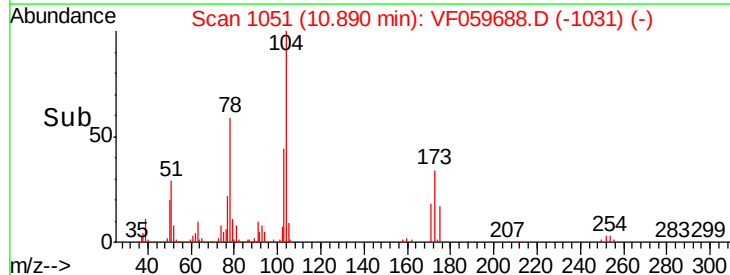
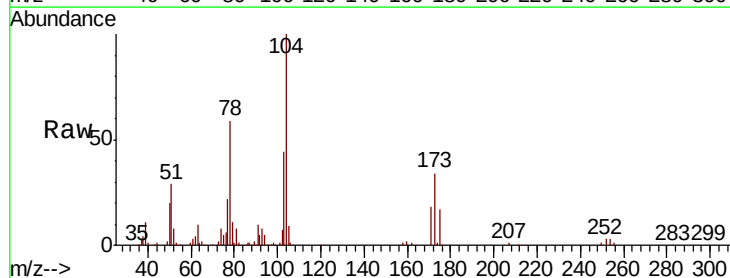
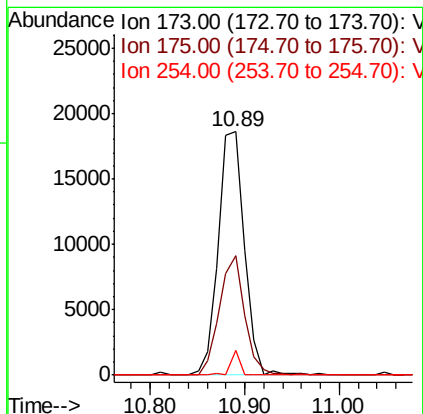
RT: 10.89 min Scan# 1051

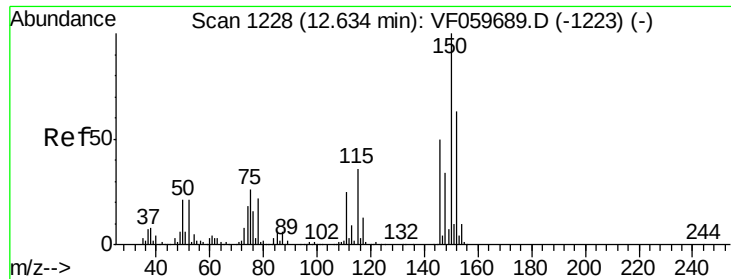
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	173	Resp:	35660
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.4	70.0
254	9.9	0.0	0.0#





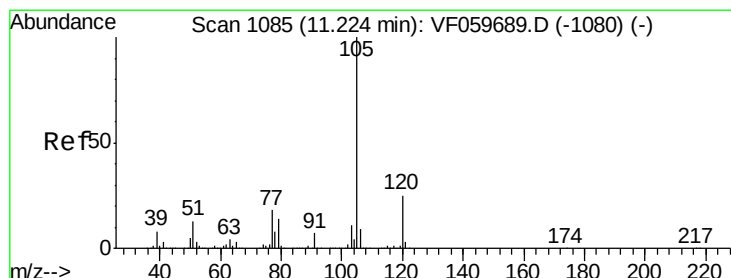
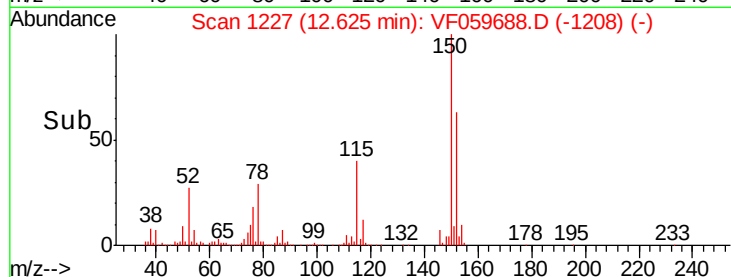
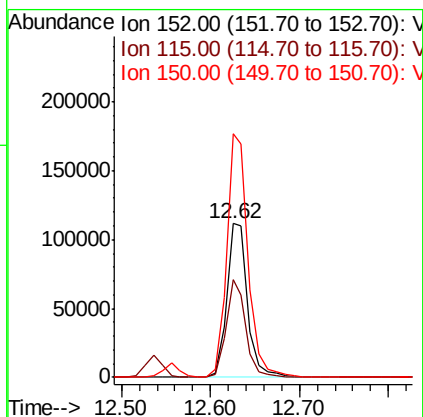
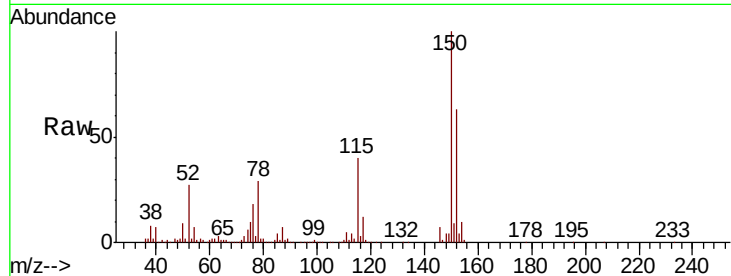
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.4	28.2	84.6
150	158.6	0.0	316.2

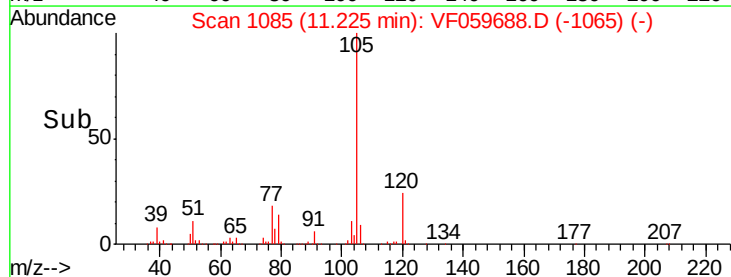
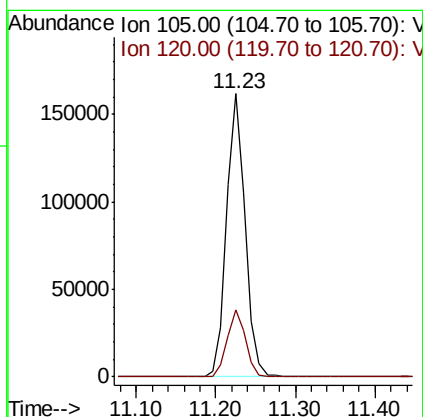
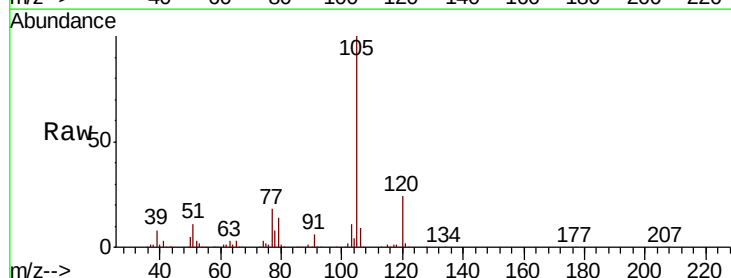
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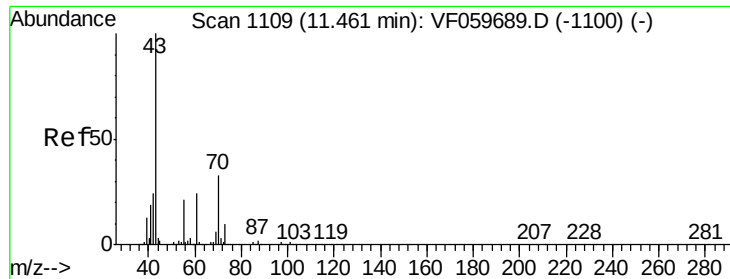
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#73
 Isopropylbenzene
 Concen: 21.26 ug/l
 RT: 11.23 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.6	12.4	37.4





#74

N-amvl acetate

Concen: 23.91 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

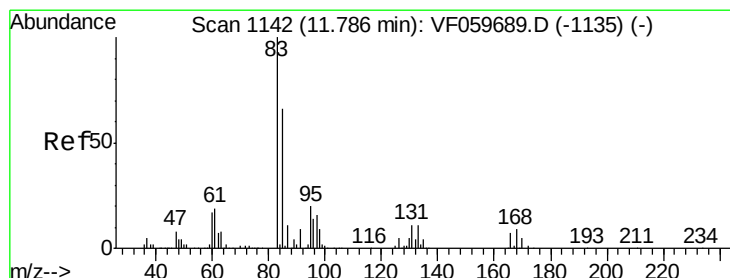
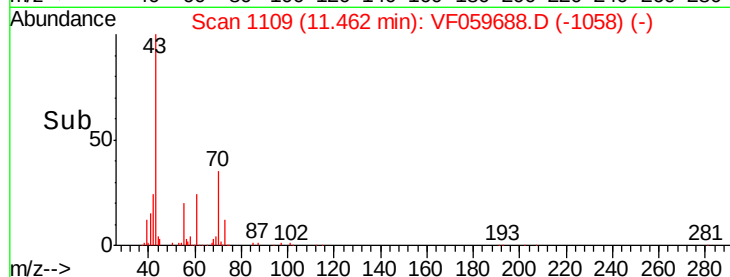
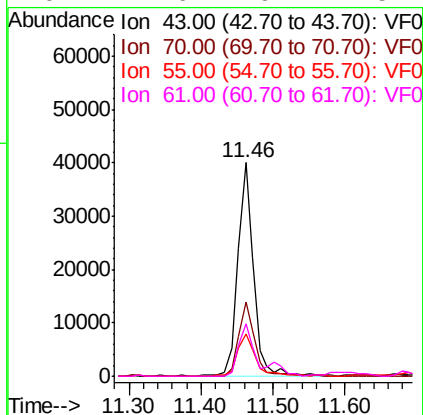
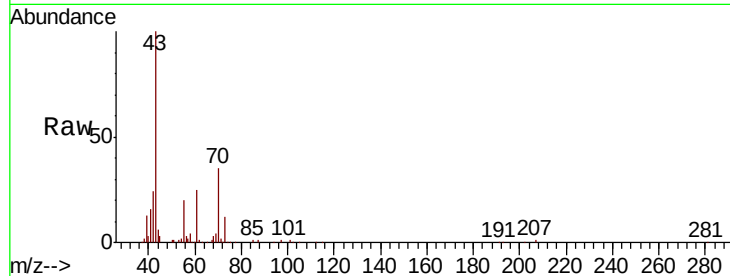
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	61743
Ion	Ratio	Lower	Upper
43	100		
70	35.0	26.3	39.5
55	19.9	16.6	25.0
61	24.6	19.1	28.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 23.22 ug/l

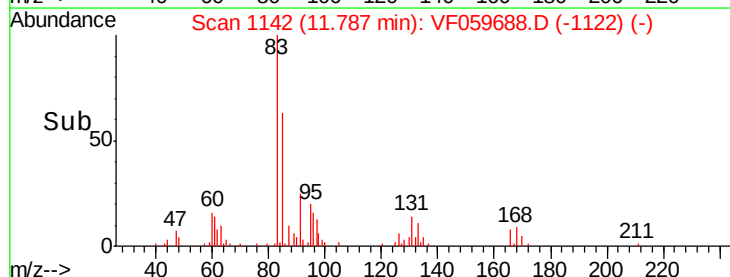
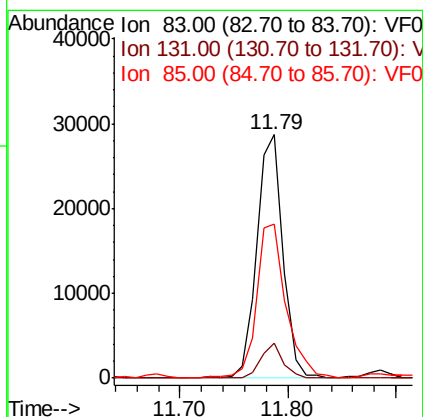
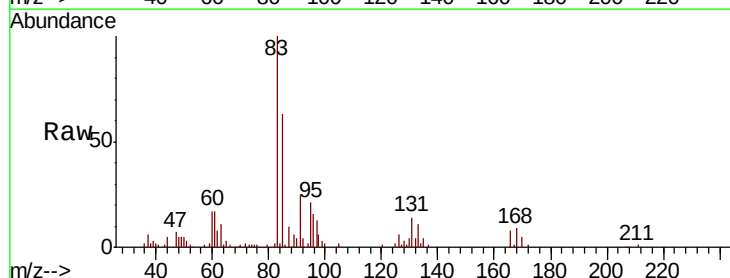
RT: 11.79 min Scan# 1142

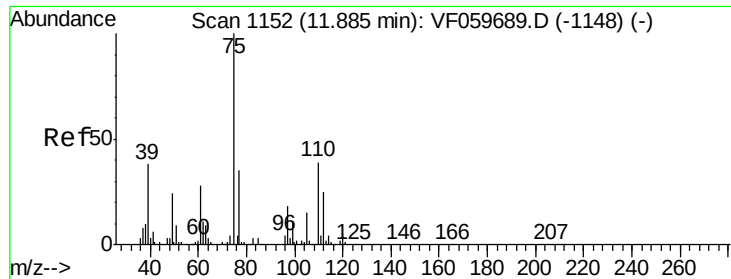
Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Tgt Ion:	83	Resp:	48030
Ion	Ratio	Lower	Upper
83	100		
131	14.5	5.8	17.3
85	63.2	32.8	98.3





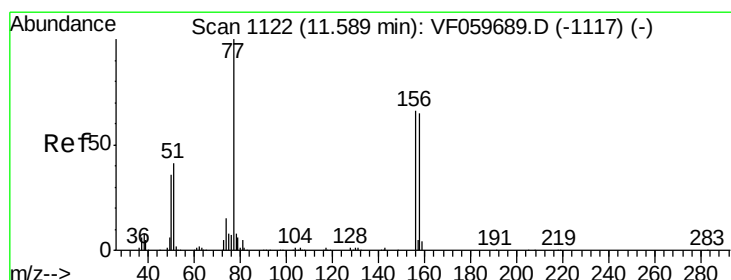
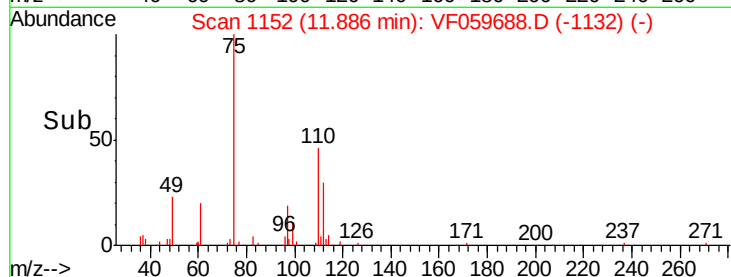
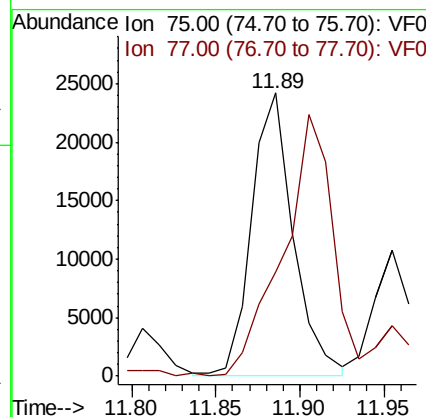
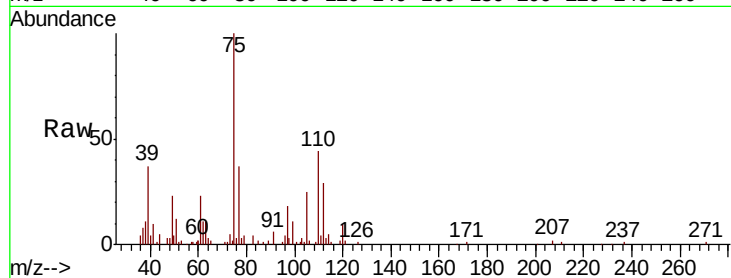
#76
 1,2,3-Trichloropropane
 Concen: 24.29 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC020

Tot Ion: 75 Resp: 41270
 Ion Ratio Lower Upper
 75 100
 77 36.7 18.0 54.0

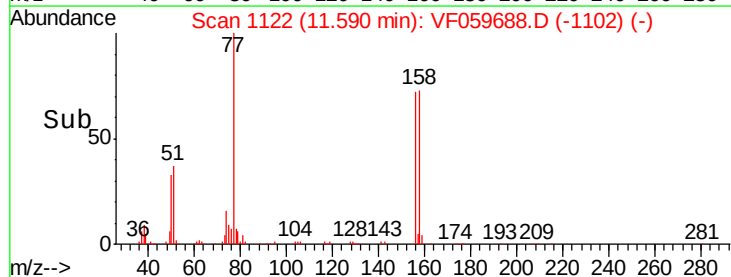
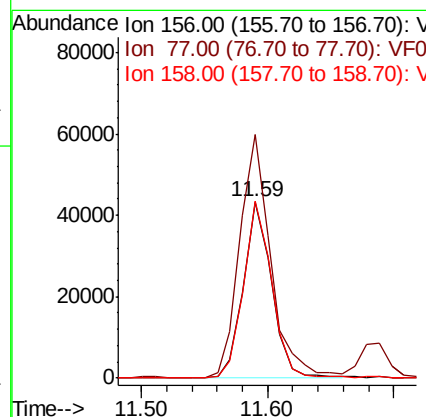
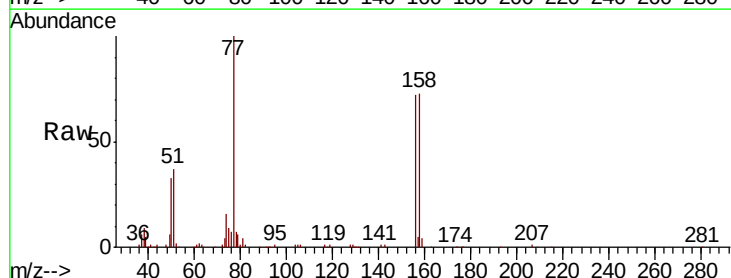
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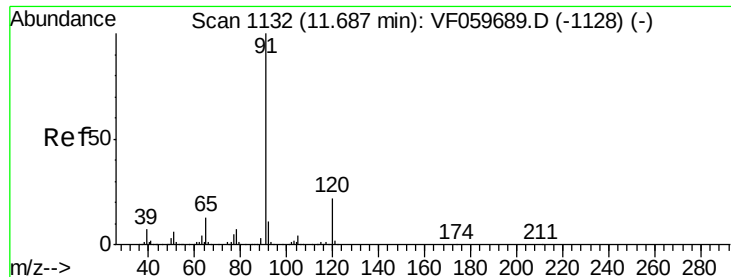
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#77
 Bromobenzene
 Concen: 22.00 ug/l
 RT: 11.59 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion: 156 Resp: 67278
 Ion Ratio Lower Upper
 156 100
 77 138.5 75.2 225.6
 158 101.0 49.1 147.3





#78

n-propylbenzene

Concen: 21.59 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059688.D

Acq: 30 Jul 2018 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 313418

Ion Ratio Lower Upper

91 100

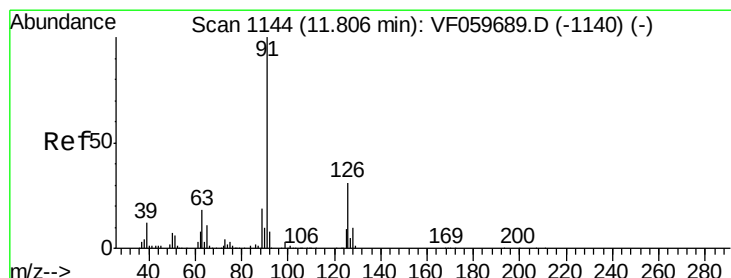
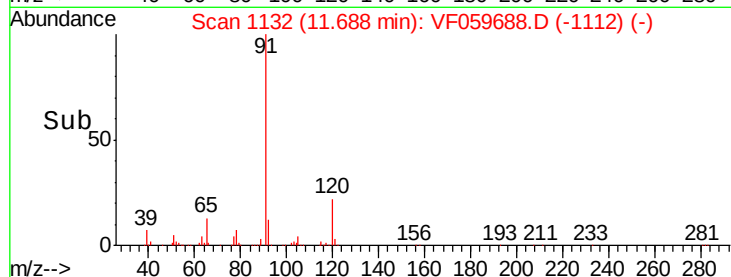
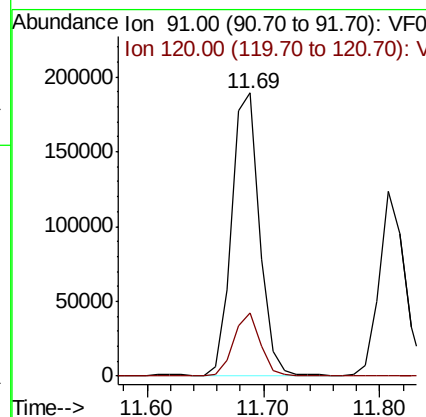
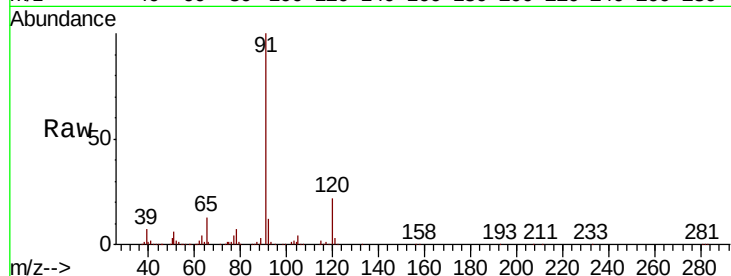
120 22.2 11.0 33.0

Manual Integrations

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#79

2-Chlorotoluene

Concen: 21.07 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059688.D

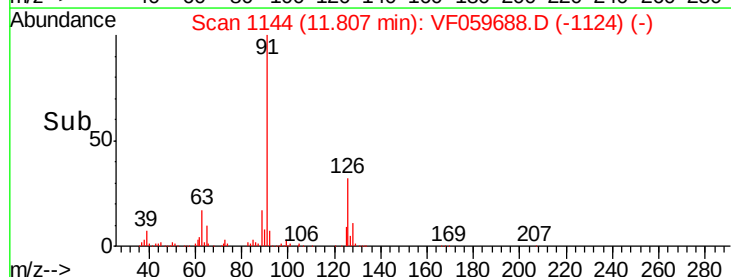
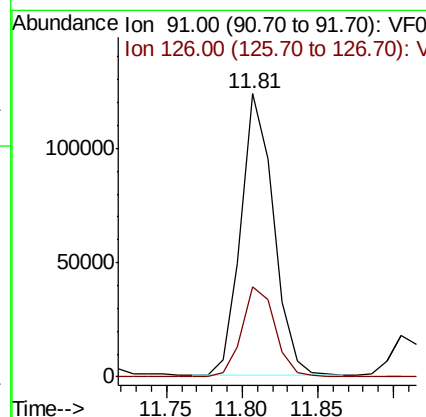
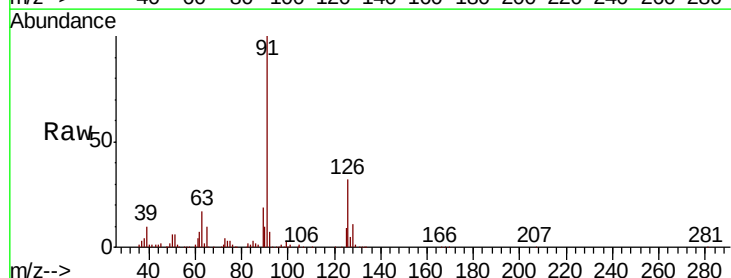
Acq: 30 Jul 2018 15:02

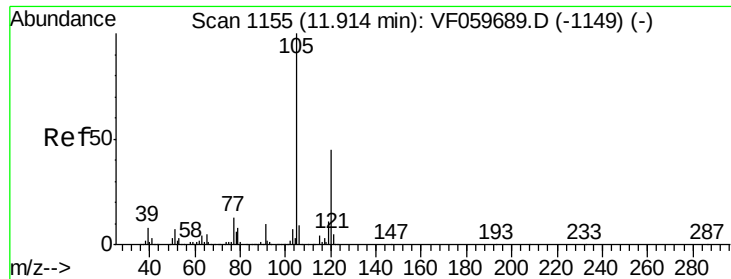
Tgt Ion: 91 Resp: 186092

Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.2





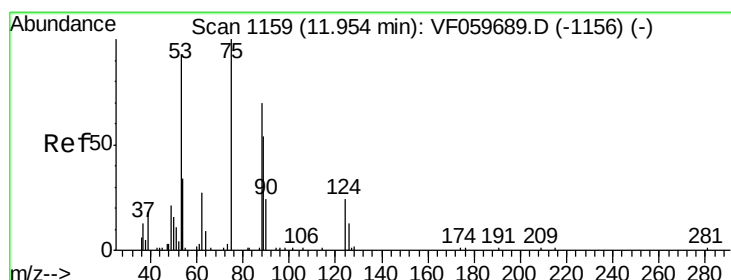
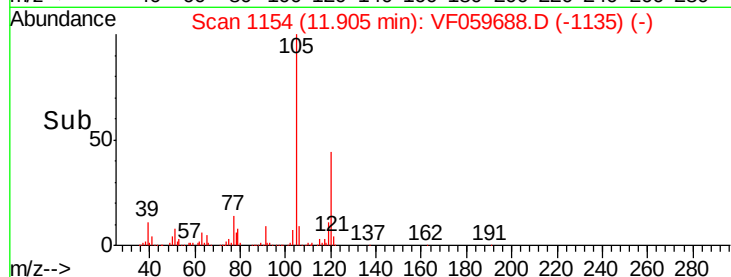
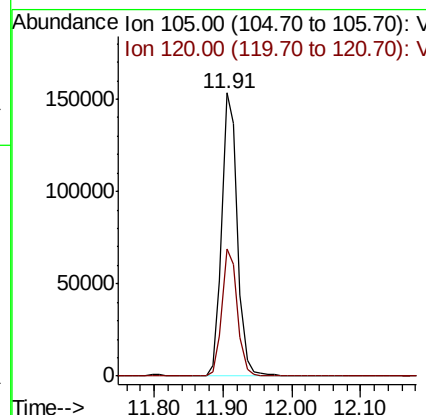
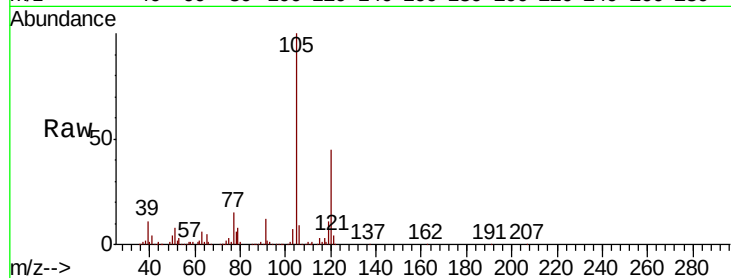
#80
 1,3,5-Trimethylbenzene
 Concen: 21.84 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 241520
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.0

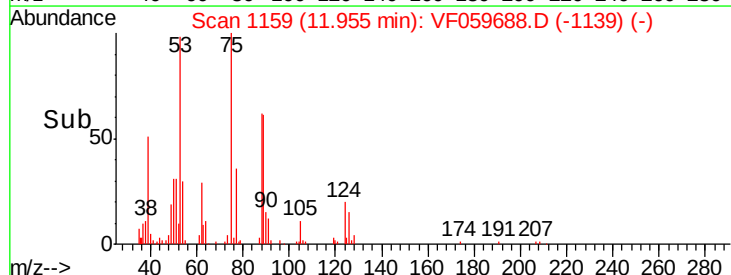
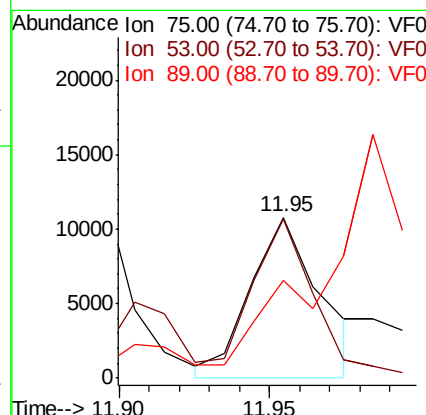
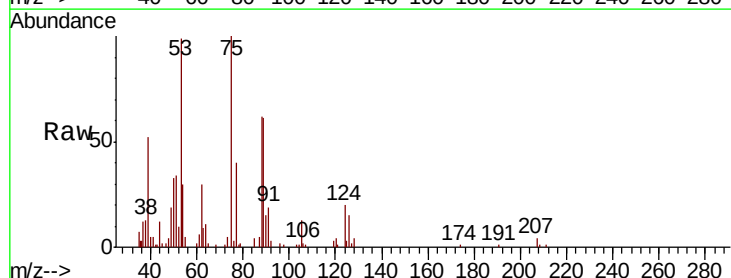
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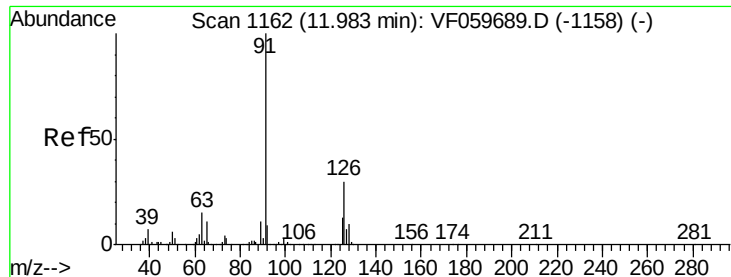
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.60 ug/l m
 RT: 11.95 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion: 75 Resp: 17291
 Ion Ratio Lower Upper
 75 100
 53 99.2 78.3 117.5
 89 60.7 45.4 68.2





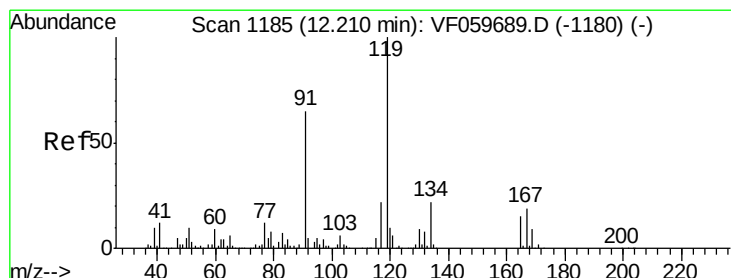
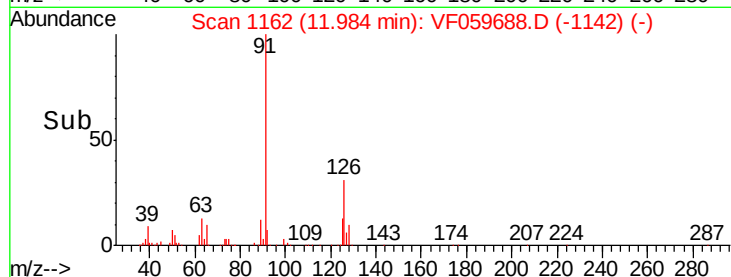
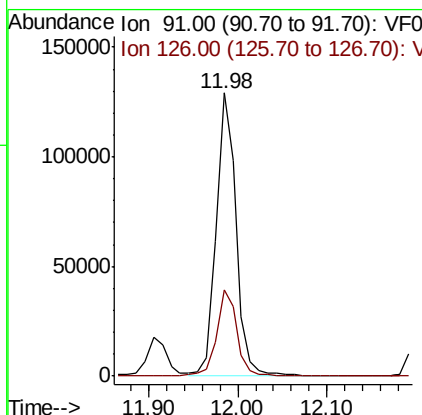
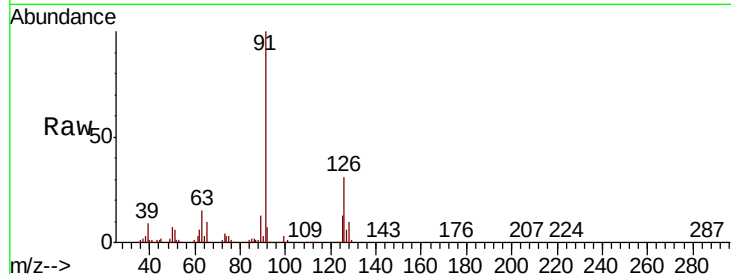
#82
4-Chlorotoluene
Concen: 21.47 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.6

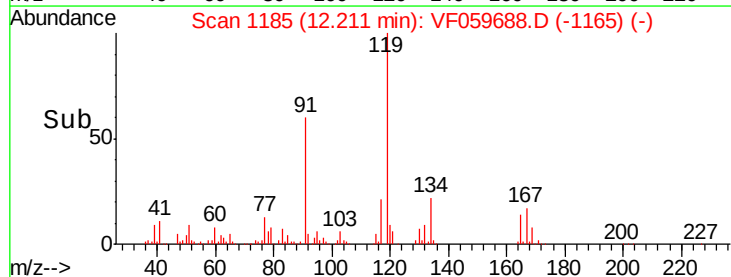
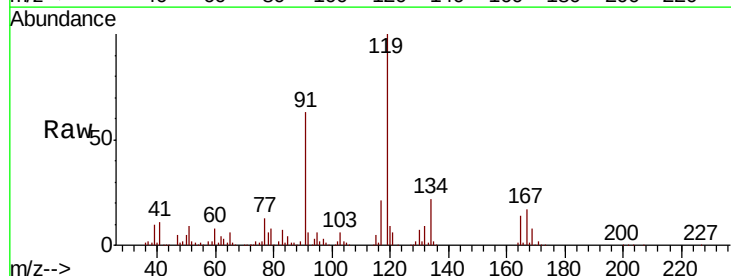
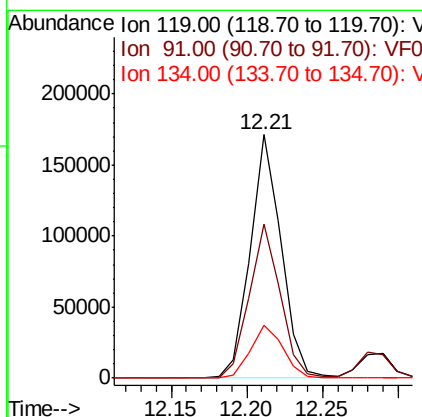
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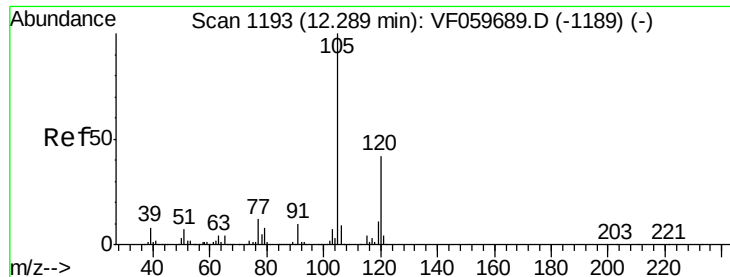
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#83
tert-Butylbenzene
Concen: 21.96 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.8	98.4
134	21.8	10.9	32.7





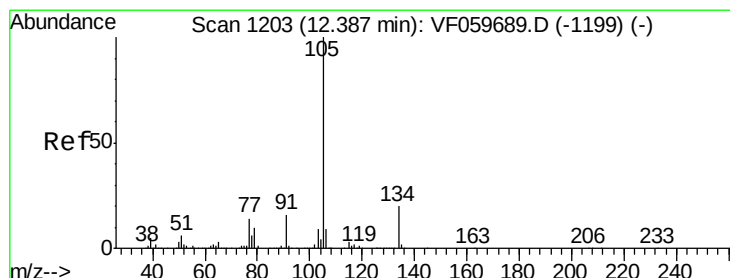
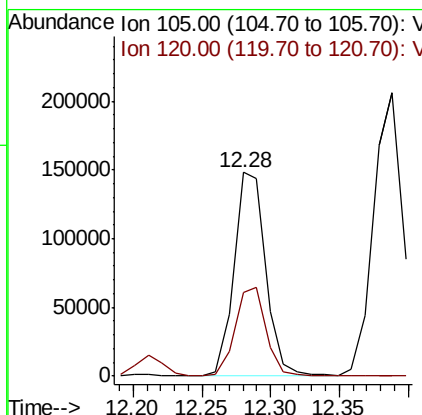
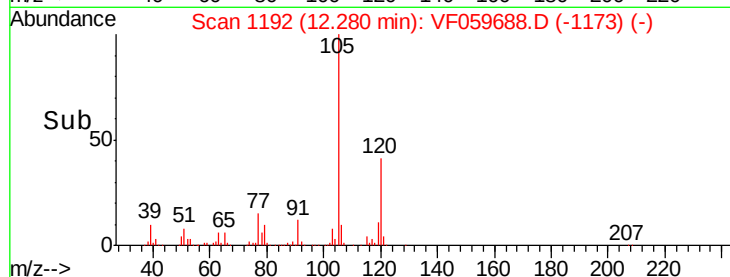
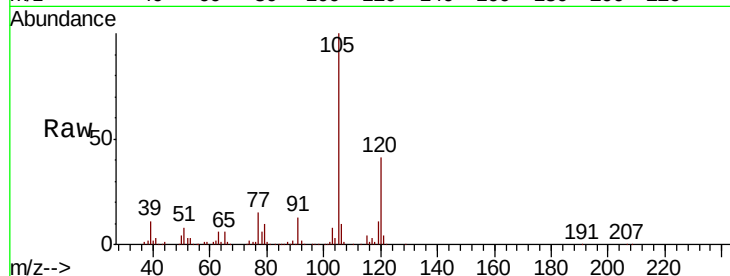
#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.3	21.1	63.3

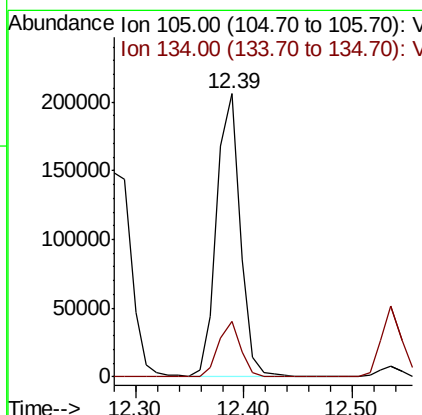
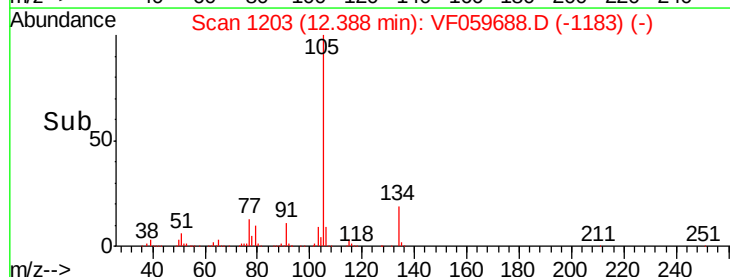
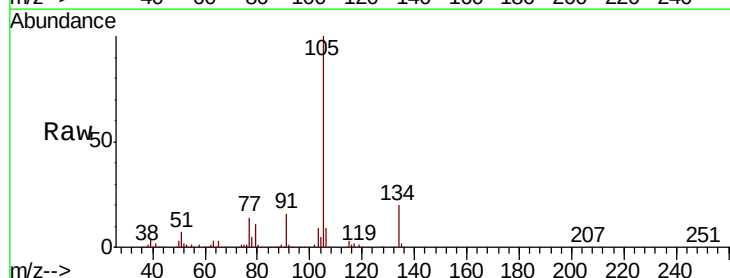
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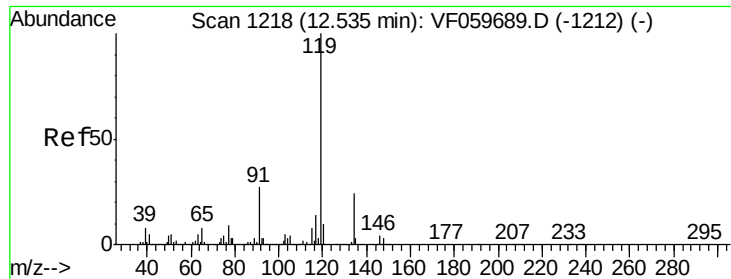
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#85
 sec-Butylbenzene
 Concen: 21.21 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.3





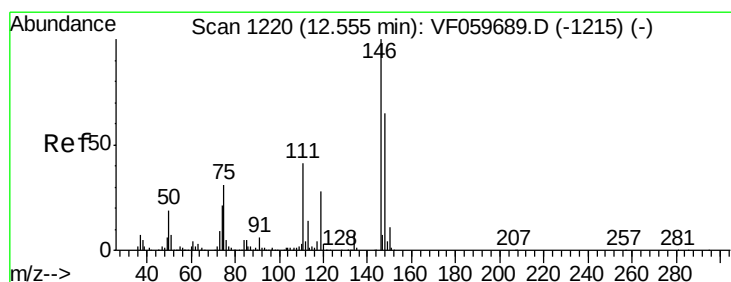
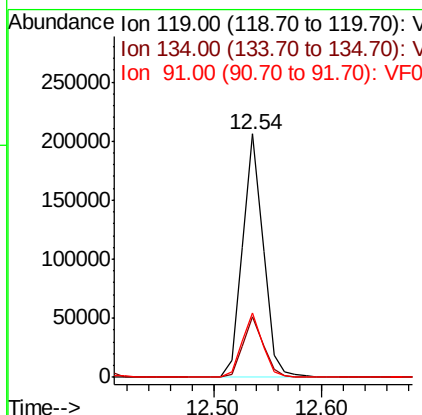
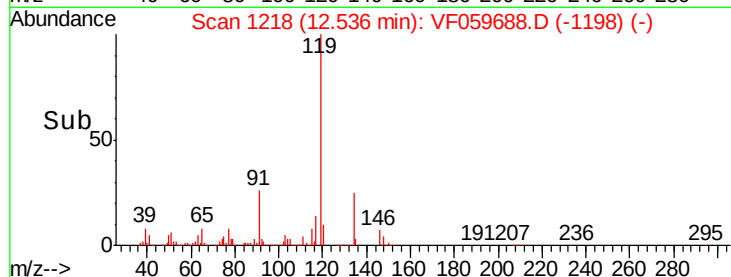
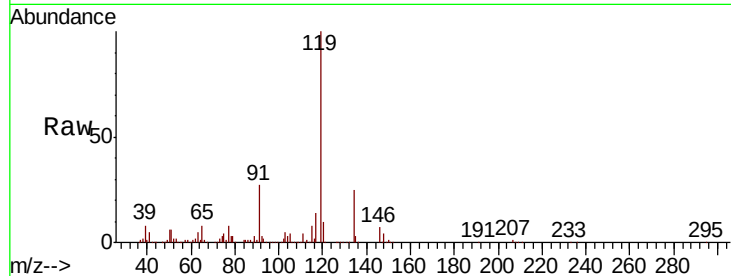
#86
 p-Isopropyltoluene
 Concen: 21.79 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275482		
134	25.0		12.2	36.6
91	26.6		13.4	40.2

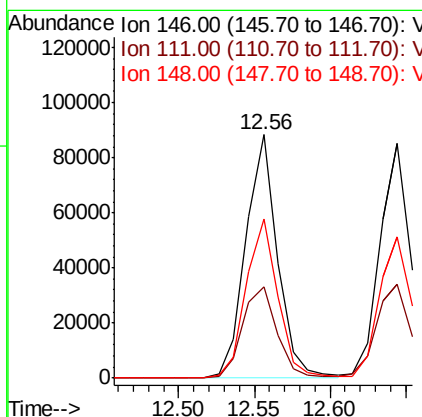
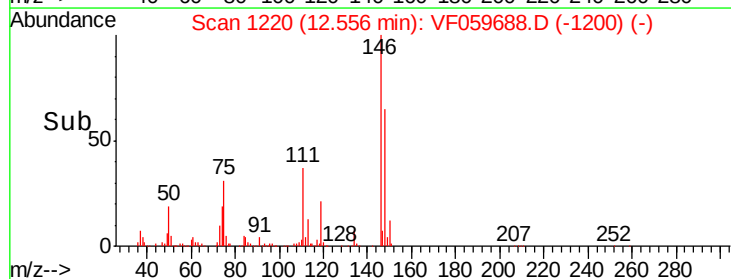
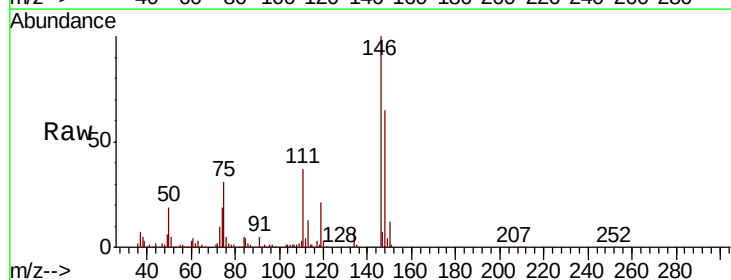
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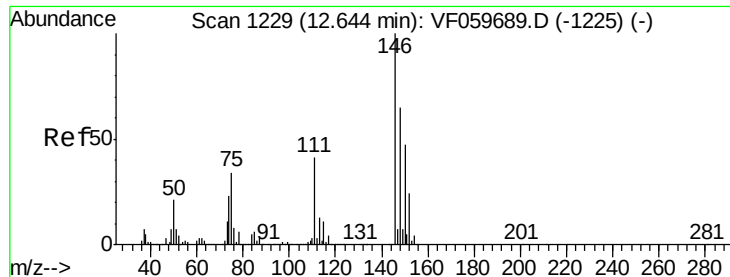
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#87
 1,3-Dichlorobenzene
 Concen: 21.71 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	129448		
111	37.4		20.7	62.1
148	65.4		32.3	96.8





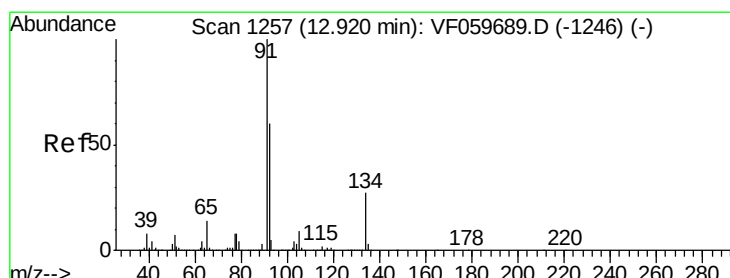
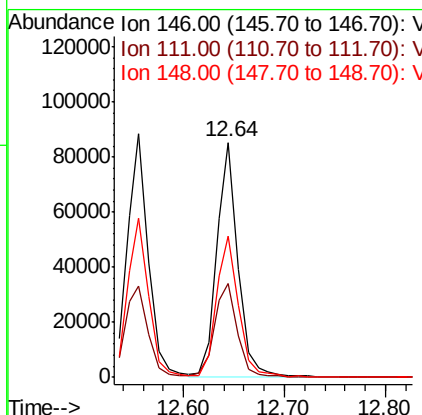
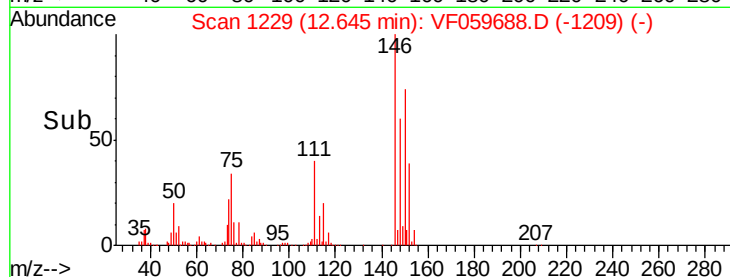
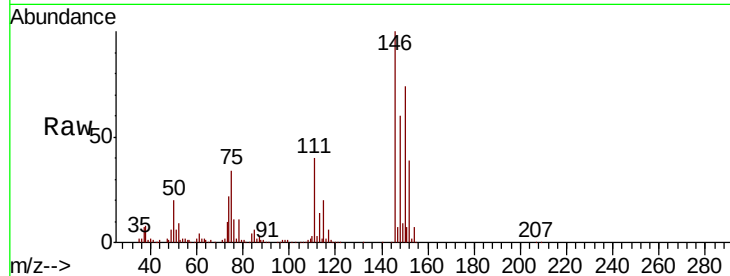
#88
 1,4-Dichlorobenzene
 Concen: 22.28 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	60.4	32.3	96.9

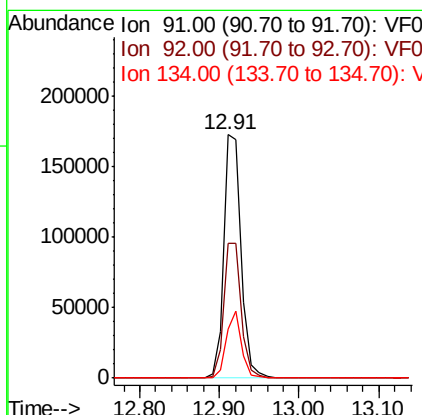
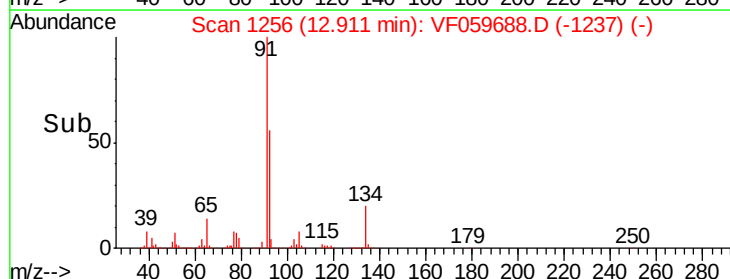
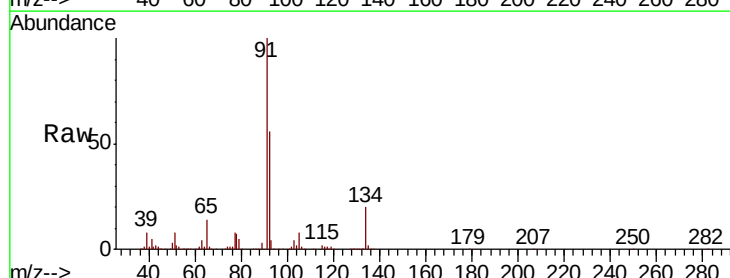
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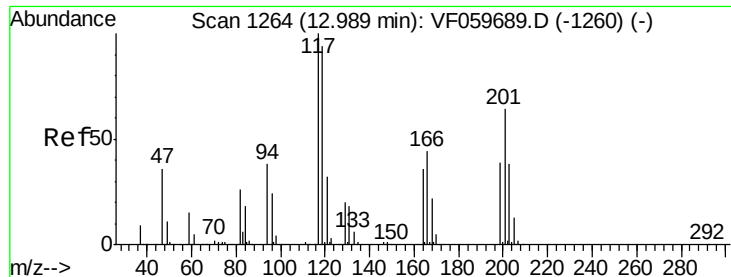
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#89
 n-Butylbenzene
 Concen: 21.71 ug/l
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	30.1	90.3
134	20.0	13.7	41.0





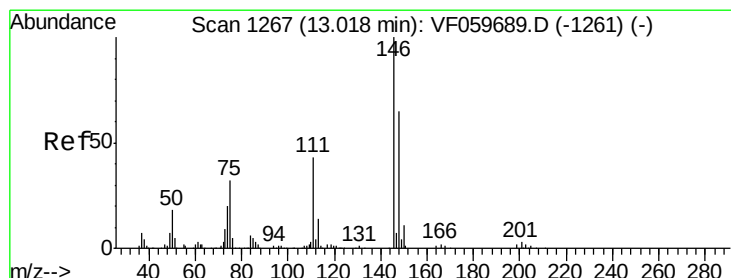
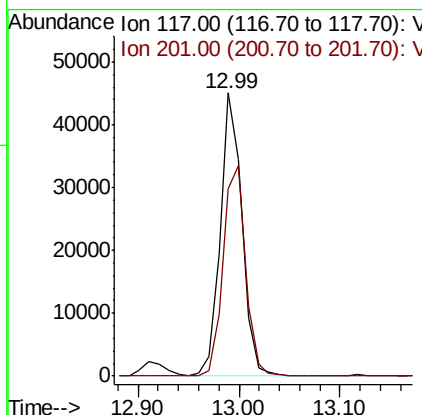
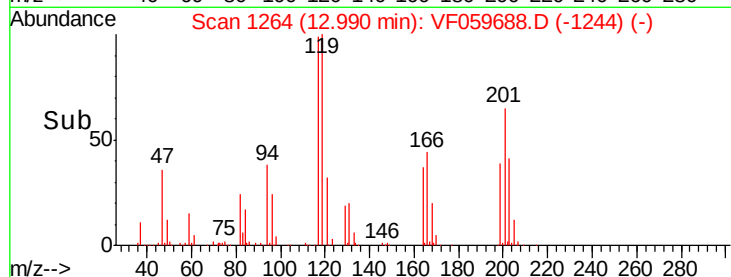
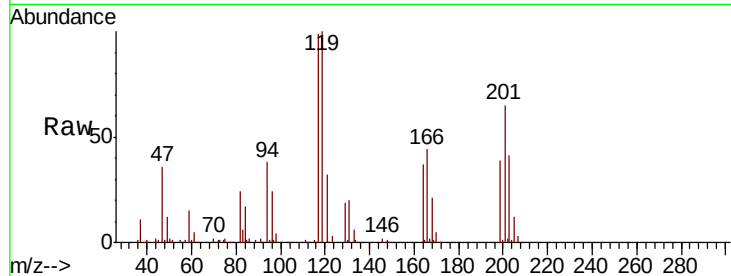
#90
Hexachloroethane
Concen: 21.09 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion:117 Resp: 67874
Ion Ratio Lower Upper
117 100
201 66.0 31.9 95.5

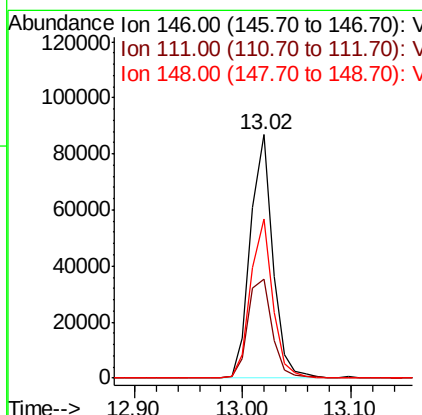
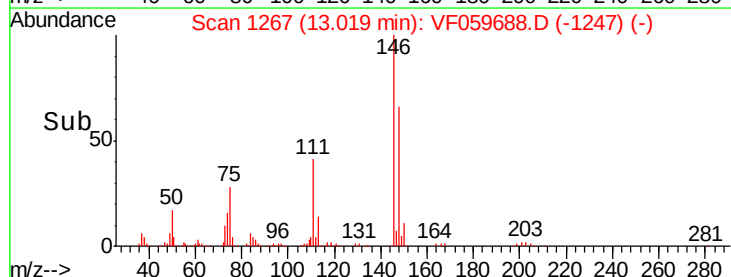
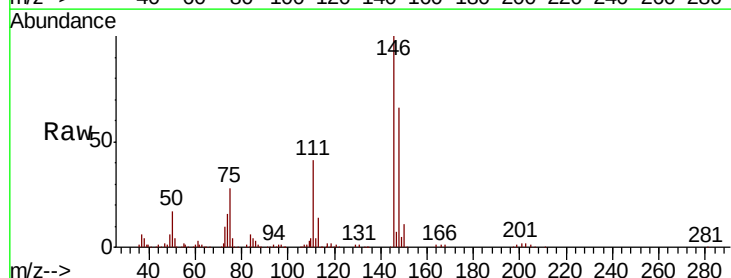
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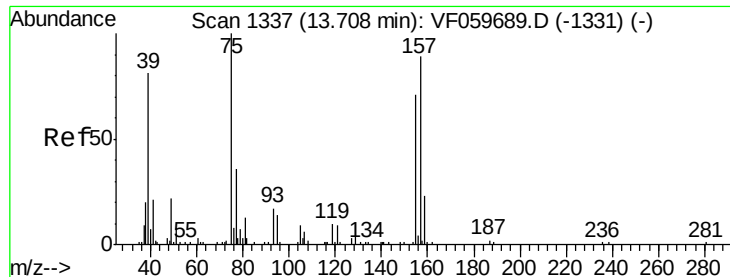
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#91
1,2-Dichlorobenzene
Concen: 22.61 ug/l
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion:146 Resp: 125334
Ion Ratio Lower Upper
146 100
111 40.7 21.6 65.0
148 65.5 32.3 96.9





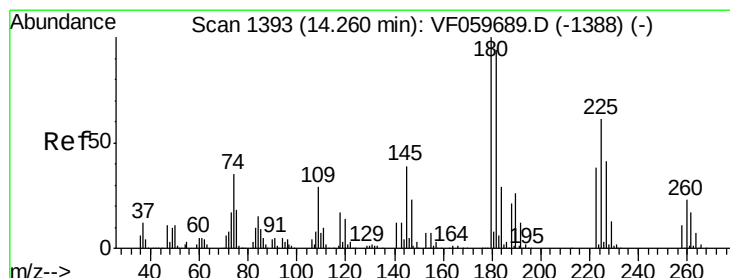
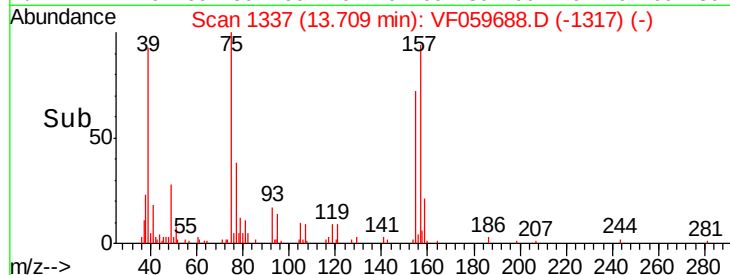
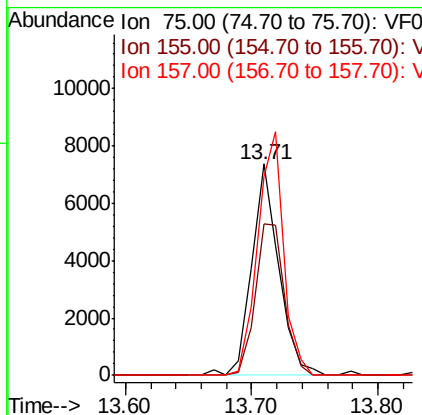
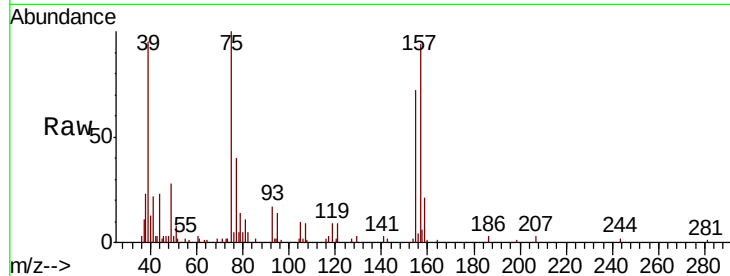
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.81 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
155	75.4	35.4	106.2
157	100.1	44.4	133.2

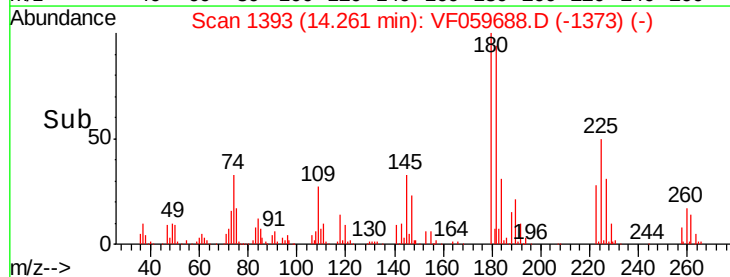
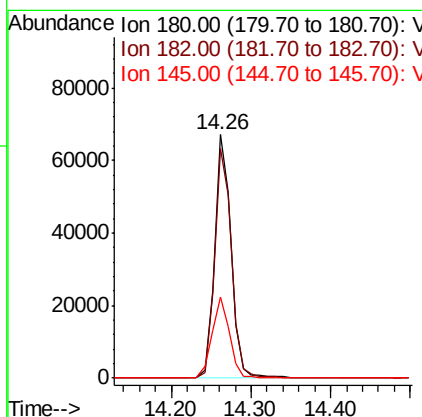
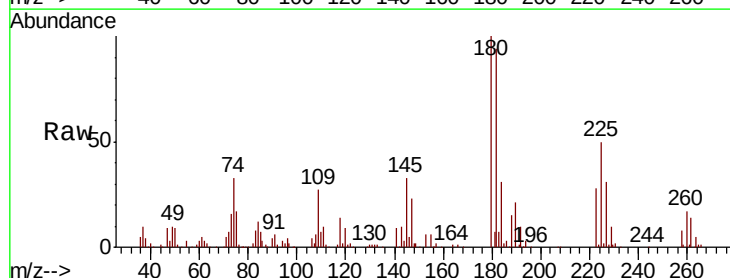
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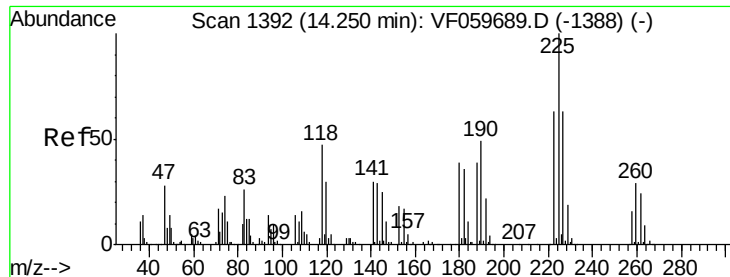
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#93
 1,2,4-Trichlorobenzene
 Concen: 22.03 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	33.4	19.3	57.9





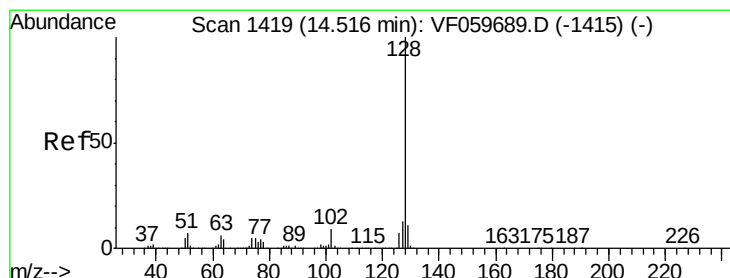
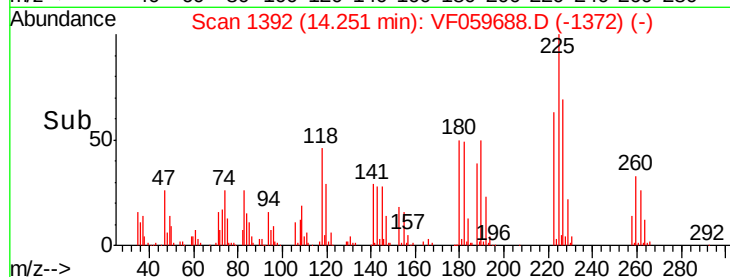
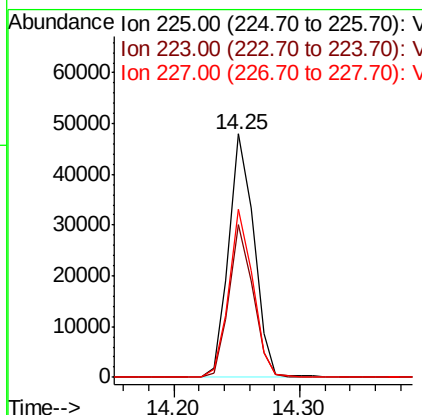
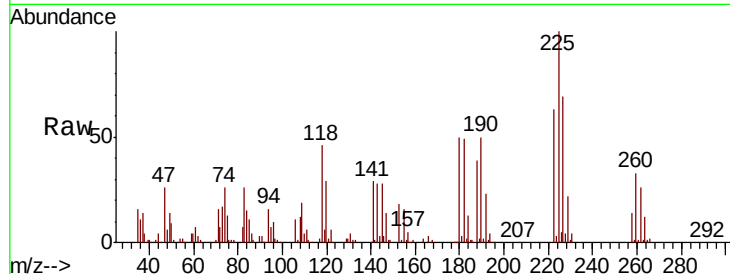
#94
Hexachlorobutadiene
Concen: 20.43 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	69.2	31.5	94.5

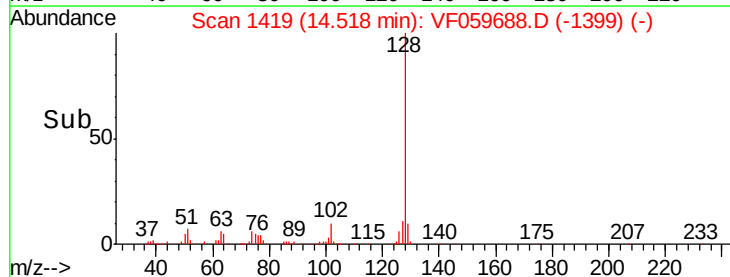
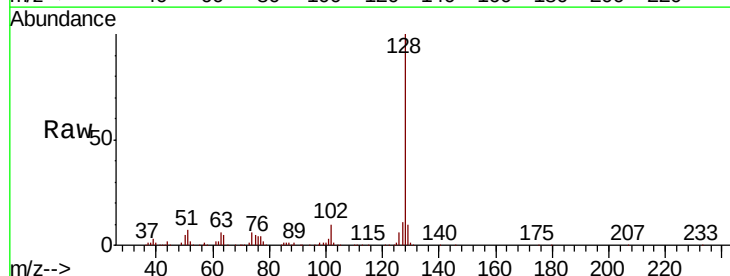
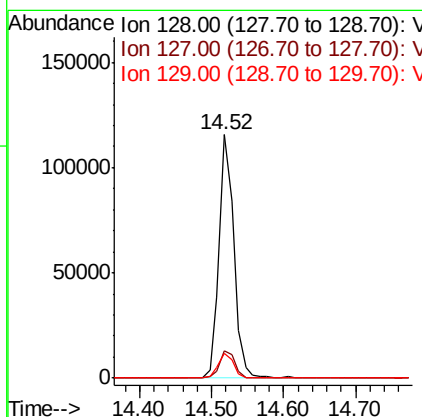
Manual Integrations
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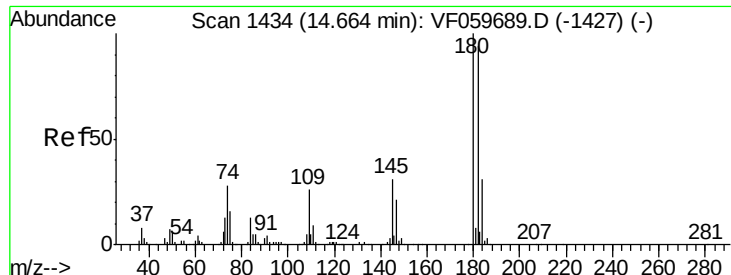
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#95
Naphthalene
Concen: 23.10 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059688.D
Acq: 30 Jul 2018 15:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.0	15.0
129	10.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 22.59 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VF059688.D
 Acq: 30 Jul 2018 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.2	141.6
145	34.7	15.6	46.7

Manual Integrations
 APPROVED

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