

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059696.D
 Acq On : 30 Jul 2018 19:04
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 7/31/2018 12:13:13 PM

Quant Time: Jul 31 04:29:59 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	200041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	284767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	278582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	73499	23.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.78%	
35) Dibromofluoromethane	4.28	113	58902	21.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.22%	
50) Toluene-d8	7.70	98	134849	20.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.92%	
62) 4-Bromofluorobenzene	11.51	95	73455	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	67096	32.48	ug/l	93
3) Chloromethane	1.09	50	30680	26.27	ug/l	94
4) Vinyl Chloride	1.16	62	32629	26.39	ug/l #	89
5) Bromomethane	1.33	94	27489	25.55	ug/l	96
6) Chloroethane	1.41	64	19221	24.92	ug/l	96
7) Trichlorofluoromethane	1.53	101	80682m	21.70	ug/l	
8) Diethyl Ether	1.70	74	12369	23.49	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44217	22.37	ug/l	94
10) Methyl Iodide	1.96	142	67870	23.46	ug/l	98
11) Tert butyl alcohol	2.69	59	15374	113.98	ug/l #	84
12) 1,1-Dichloroethene	1.85	96	34869	23.85	ug/l	95
13) Acrolein	2.09	56	3939	65.98	ug/l	81
14) Allyl chloride	2.18	41	57818	24.17	ug/l	96
15) Acrylonitrile	3.08	53	26147	127.18	ug/l #	82
16) Acetone	2.34	43	63836	111.51	ug/l	94
17) Carbon Disulfide	1.89	76	92617m	26.06	ug/l	
18) Methyl Acetate	2.45	43	26737	27.90	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	97014	23.74	ug/l	99
20) Methylene Chloride	2.27	84	36520m	17.32	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	34267	22.85	ug/l	87
22) Diisopropyl ether	2.92	45	114693	23.99	ug/l	98
23) Vinyl Acetate	3.32	43	279884	118.09	ug/l	98
24) 1,1-Dichloroethane	2.99	63	82221	24.17	ug/l	99
25) 2-Butanone	4.51	43	71718	113.70	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	57221	20.68	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	45663	25.96	ug/l	94
28) Bromochloromethane	3.88	49	32644	26.05	ug/l	99
29) Tetrahydrofuran	4.26	42	29722	117.40	ug/l	92
30) Chloroform	4.02	83	111587	23.22	ug/l	96
31) Cyclohexane	3.85	56	48001	24.56	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	88180	22.37	ug/l	98
36) 1,1-Dichloropropene	4.45	75	72895	23.60	ug/l	97
37) Ethyl Acetate	4.29	43	34053	25.27	ug/l #	89
38) Carbon Tetrachloride	4.16	117	96518m	21.30	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	58400	23.23	ug/l	92
40) Benzene	4.80	78	127975	23.33	ug/l	100
41) Methacrylonitrile	4.91	41	17005	25.63	ug/l	90
42) 1,2-Dichloroethane	5.11	62	89799	25.16	ug/l	99
43) Isopropyl Acetate	7.11	43	35019	25.10	ug/l #	88
44) Trichloroethene	5.66	130	48815	22.97	ug/l	91
45) 1,2-Dichloropropane	6.39	63	33599	23.05	ug/l	91
46) Dibromomethane	6.24	93	30663	24.22	ug/l	90
47) Bromodichloromethane	6.54	83	87642	23.63	ug/l	97
48) Methyl methacrylate	6.86	41	25427	23.22	ug/l	94
49) 1,4-Dioxane	6.86	88	4623	529.07	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	141754	126.26	ug/l	97
52) Toluene	7.77	92	93850	23.03	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	75332	25.39	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	70005	22.74	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	32508	24.02	ug/l	93
56) Ethyl methacrylate	8.76	69	33458	23.32	ug/l	90
57) 1,3-Dichloropropane	8.99	76	55867	23.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	20053	115.75	ug/l	100
59) 2-Hexanone	9.62	43	98507	118.29	ug/l	95
60) Dibromochloromethane	8.85	129	55316	22.66	ug/l	98
61) 1,2-Dibromoethane	9.13	107	37782	23.08	ug/l	98
64) Tetrachloroethene	8.29	164	51856	23.36	ug/l	95
65) Chlorobenzene	9.93	112	122519	22.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	59292	23.80	ug/l	94
67) Ethyl Benzene	10.03	91	216662	22.07	ug/l	97
68) m/p-Xylenes	10.26	106	147351	43.38	ug/l	97
69) o-Xylene	10.82	106	71551	19.51	ug/l	93
70) Styrene	10.90	104	120965	22.67	ug/l	99
71) Bromoform	10.89	173	35864	23.35	ug/l	93
73) Isopropylbenzene	11.22	105	262234	22.25	ug/l	94
74) N-amyl acetate	11.46	43	55411	22.94	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	46534	24.04	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	39513	24.85	ug/l	97
77) Bromobenzene	11.59	156	68831	24.06	ug/l	95
78) n-propylbenzene	11.68	91	310676	22.88	ug/l	97
79) 2-Chlorotoluene	11.80	91	188255	22.78	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	239783	23.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	17062m	20.67	ug/l	
82) 4-Chlorotoluene	11.98	91	201331	23.12	ug/l	96
83) tert-Butylbenzene	12.21	119	233910	22.37	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	236438	22.24	ug/l	97
85) sec-Butylbenzene	12.38	105	306349	22.27	ug/l	98
86) p-Isopropyltoluene	12.53	119	267821	22.64	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	129690	23.24	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	124713	23.46	ug/l	96
89) n-Butylbenzene	12.92	91	260955	22.81	ug/l	96
90) Hexachloroethane	12.98	117	67404	22.38	ug/l	86
91) 1,2-Dichlorobenzene	13.01	146	125249	24.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10480	22.26	ug/l	96

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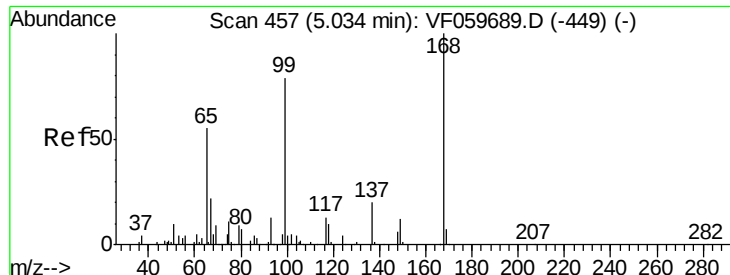
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	99121	23.84	ug/l	93
94) Hexachlorobutadiene	14.25	225	65101	21.29	ug/l	100
95) Naphthalene	14.52	128	160378	24.21	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94292	24.95	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 200041

Ion Ratio Lower Upper

168 100

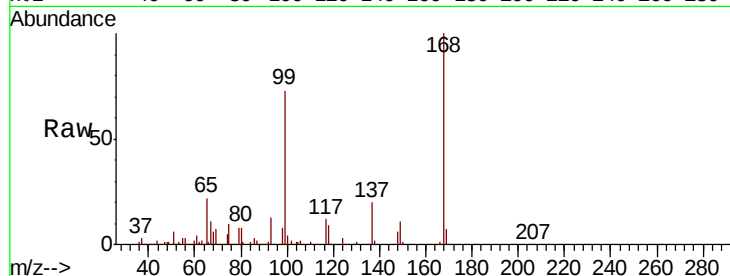
99 72.9 63.3 94.9

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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

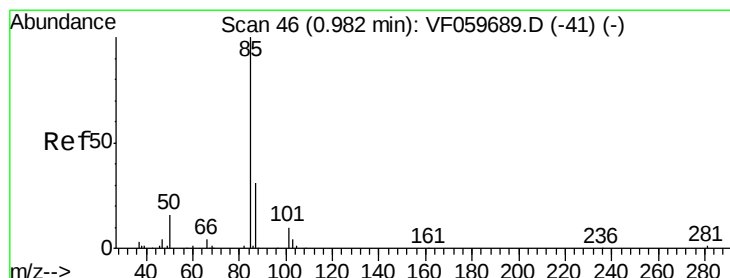
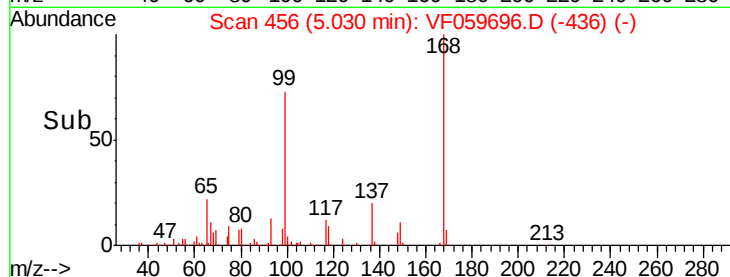
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 32.48 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059696.D

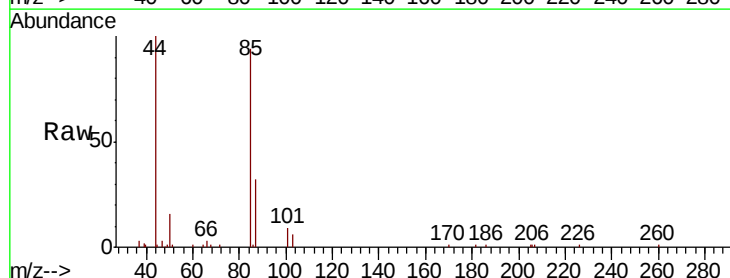
Acq: 30 Jul 2018 19:04

Tgt Ion: 85 Resp: 67096

Ion Ratio Lower Upper

85 100

87 34.2 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

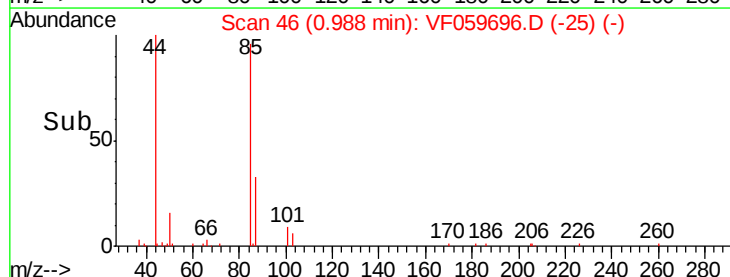
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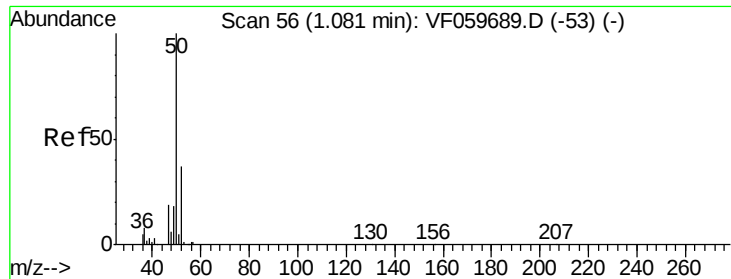
10000

5000

0

Time-->





#3

Chloromethane

Concen: 26.27 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30680

Ion Ratio Lower Upper

50 100

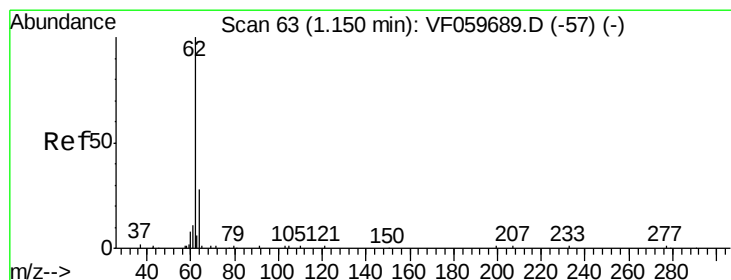
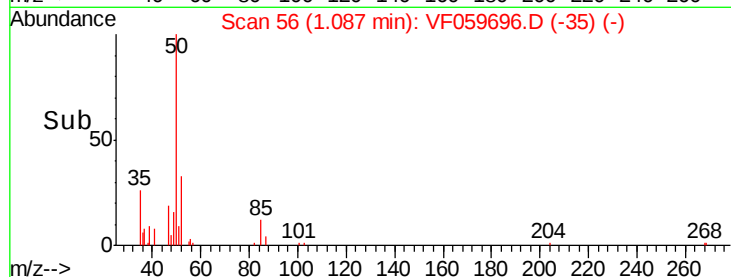
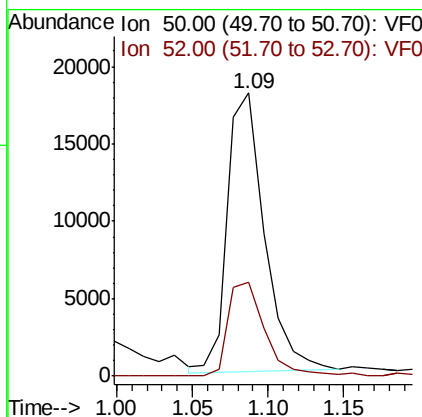
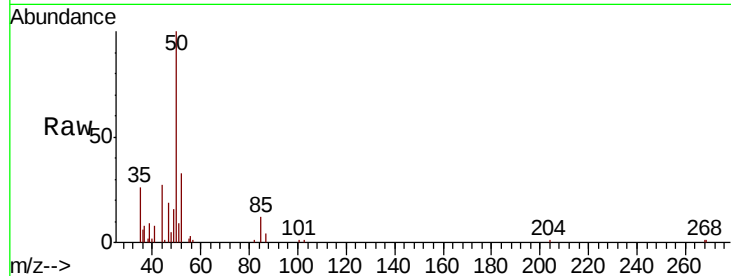
52 33.1 29.1 43.7

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#4

Vinyl Chloride

Concen: 26.39 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059696.D

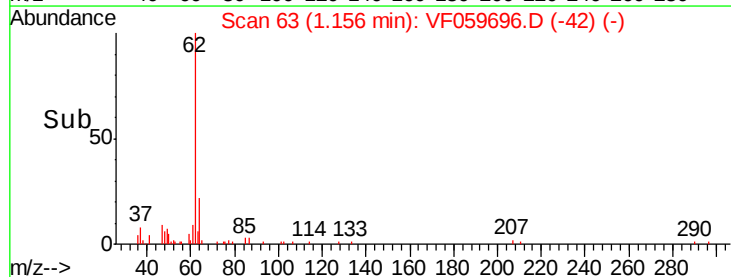
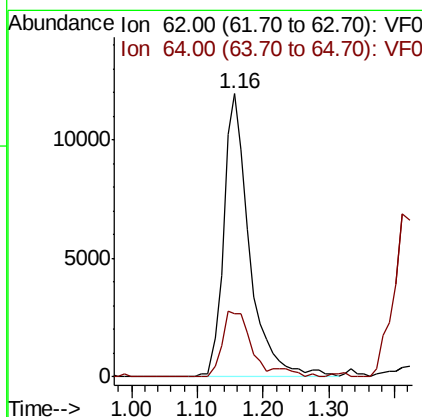
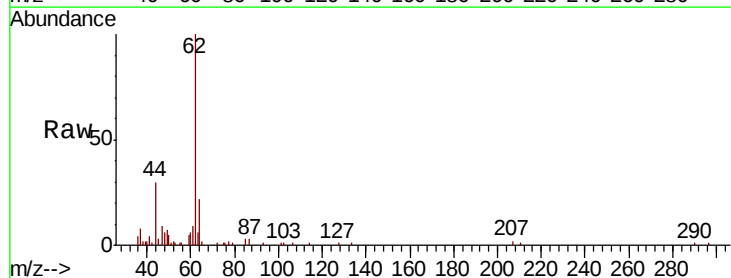
Acq: 30 Jul 2018 19:04

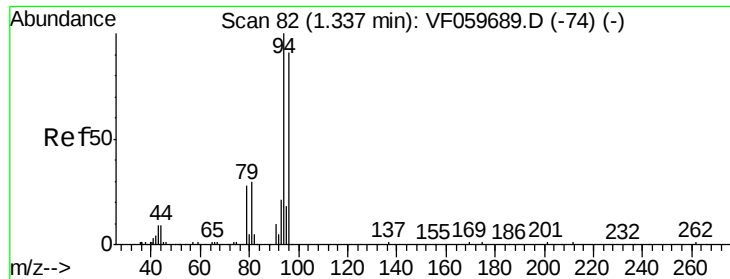
Tgt Ion: 62 Resp: 32629

Ion Ratio Lower Upper

62 100

64 22.4 22.6 33.8#





#5

Bromomethane

Concen: 25.55 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 27489

Ion Ratio Lower Upper

94 100

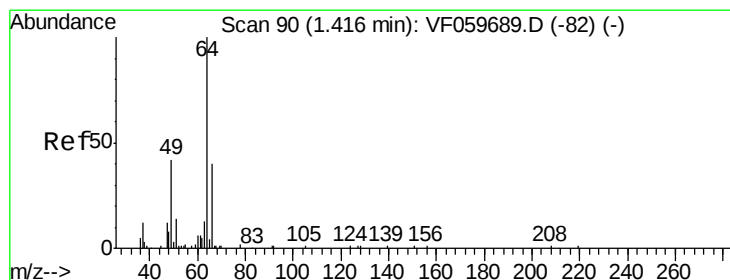
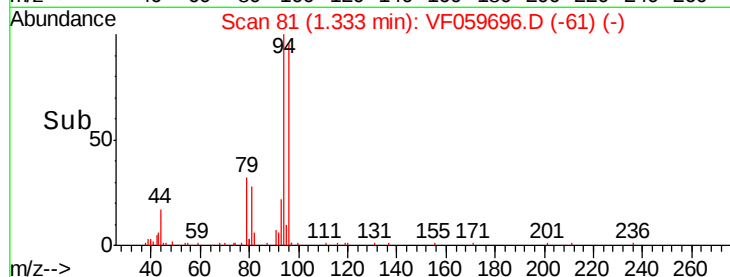
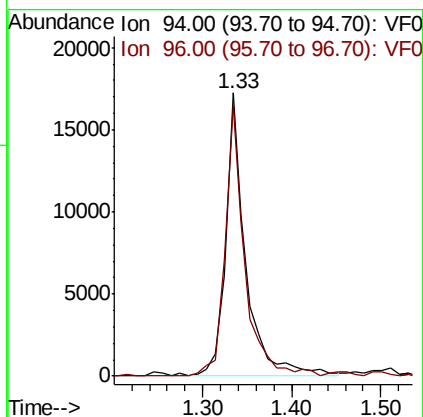
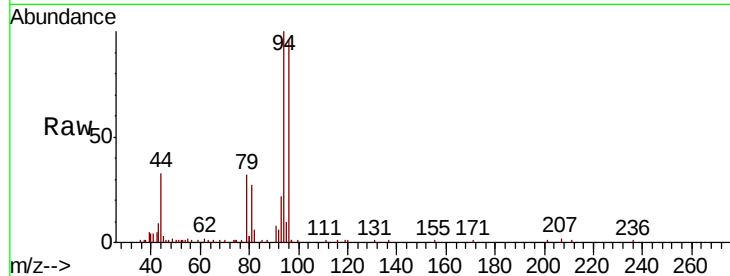
96 95.6 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 24.92 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059696.D

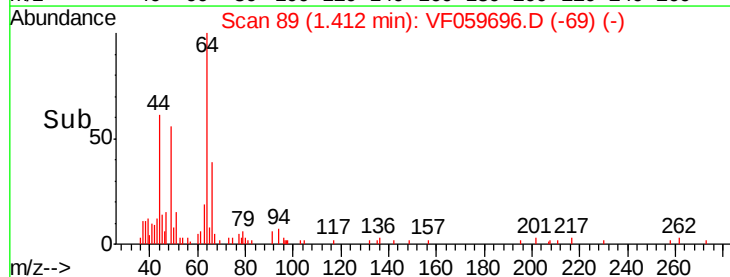
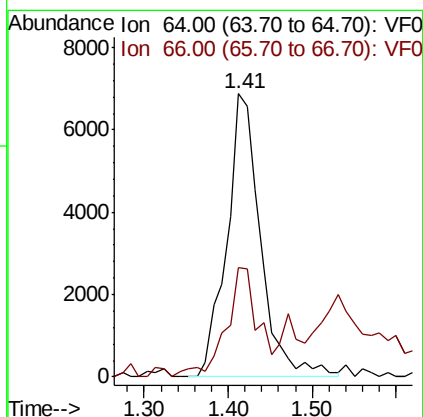
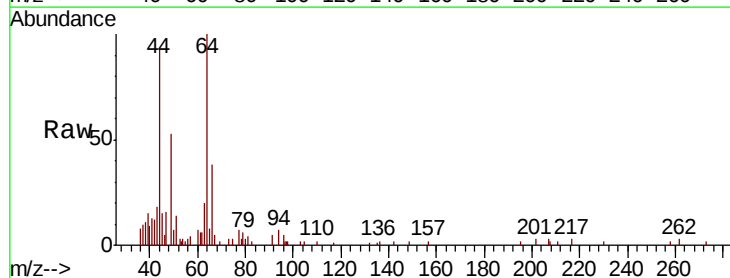
Acq: 30 Jul 2018 19:04

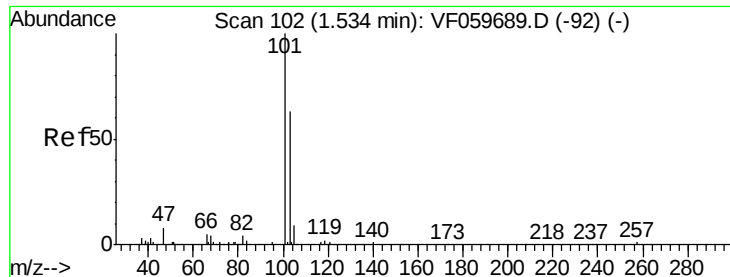
Tgt Ion: 64 Resp: 19221

Ion Ratio Lower Upper

64 100

66 38.4 32.6 49.0





#7

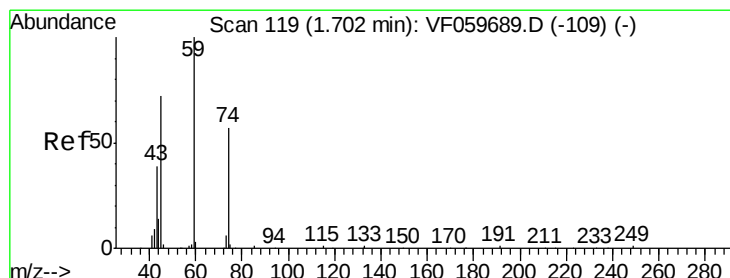
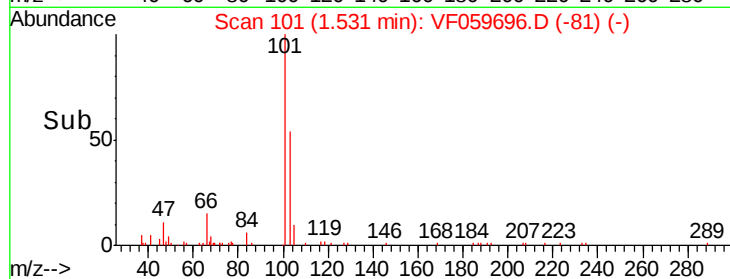
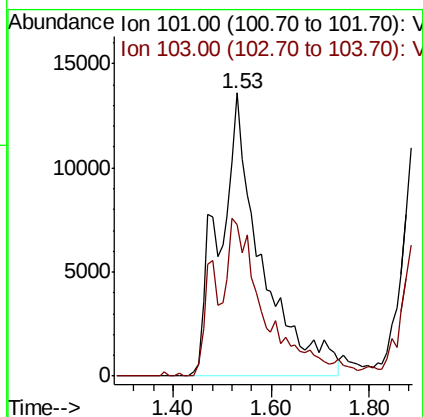
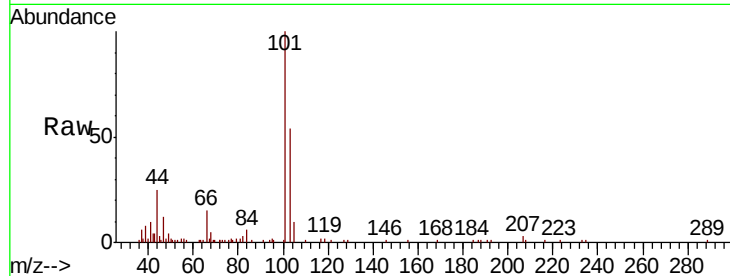
Trichlorofluoromethane
 Concen: 21.70 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	53.5	50.8	76.2

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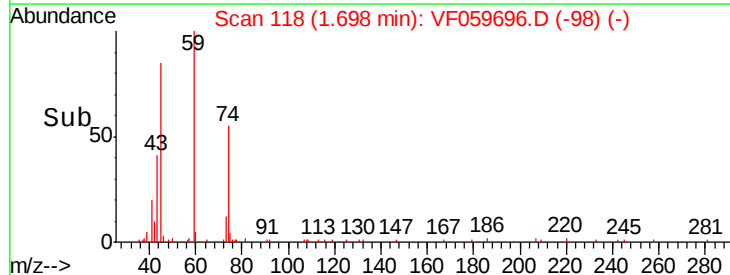
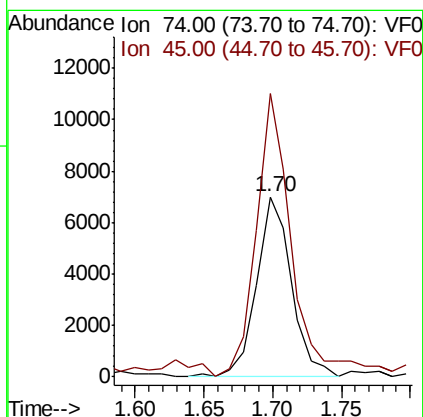
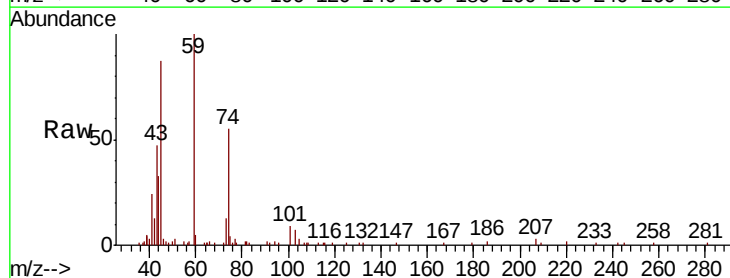
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 7/31/2018 12:13:13 PM

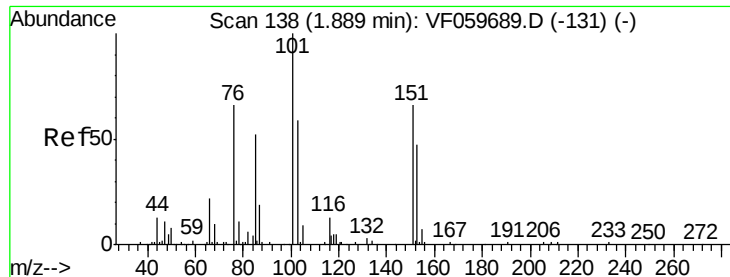


#8

Diethyl Ether
 Concen: 23.49 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	157.3	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.37 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

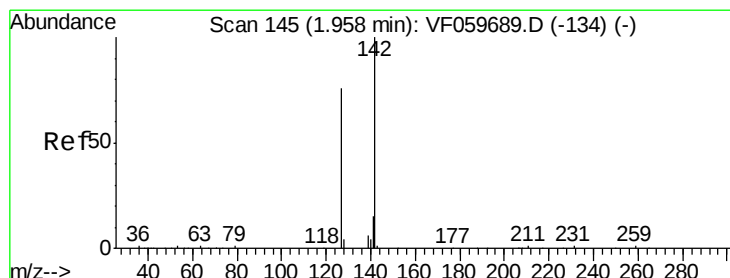
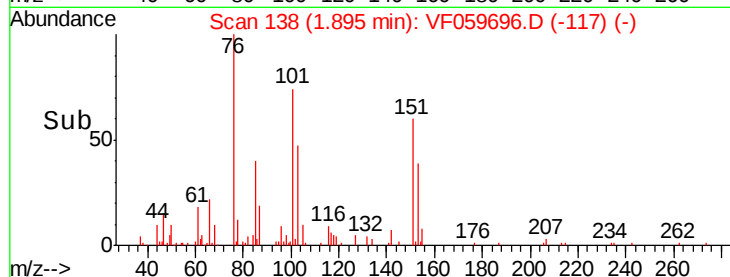
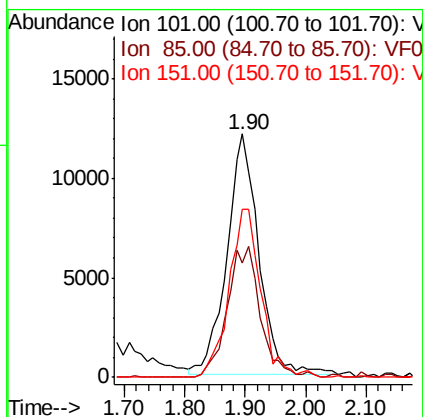
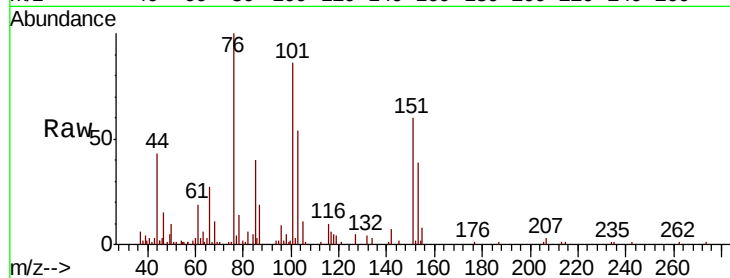
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	44217
Ion Ratio	Lower	Upper	
101	100		
85	46.7	40.7	61.1
151	69.0	51.4	77.2

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#10

Methyl Iodide

Concen: 23.46 ug/l

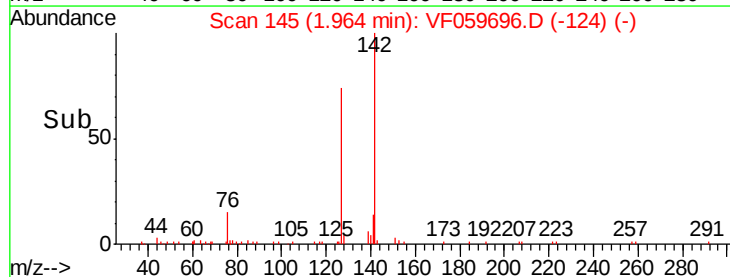
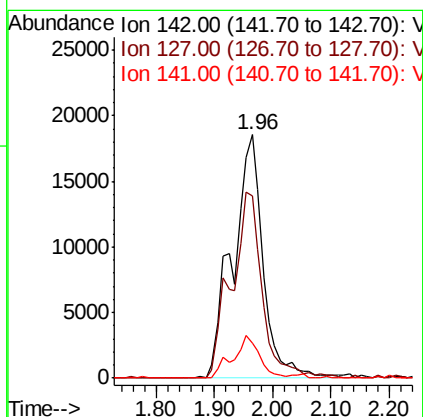
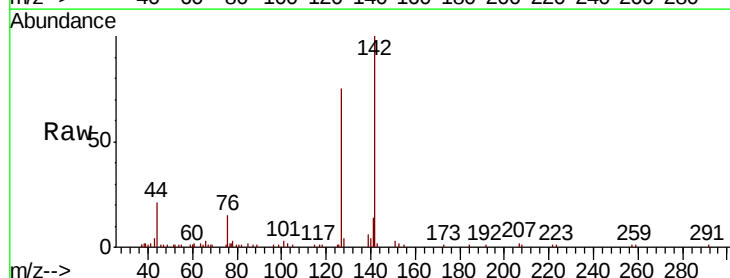
RT: 1.96 min Scan# 145

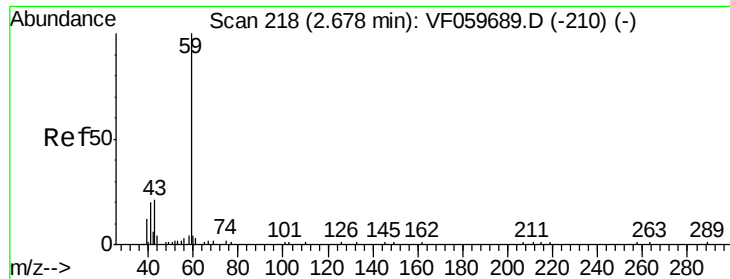
Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	142	Resp:	67870
Ion Ratio	Lower	Upper	
142	100		
127	74.6	60.6	91.0
141	14.1	12.0	18.0





#11

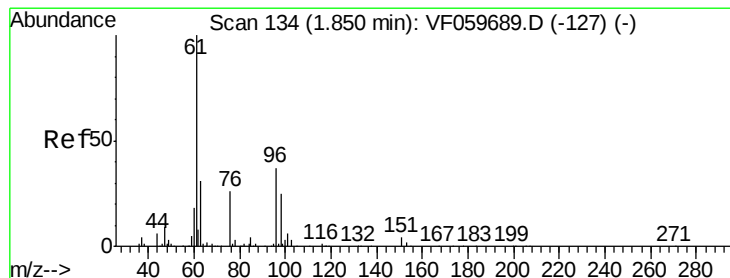
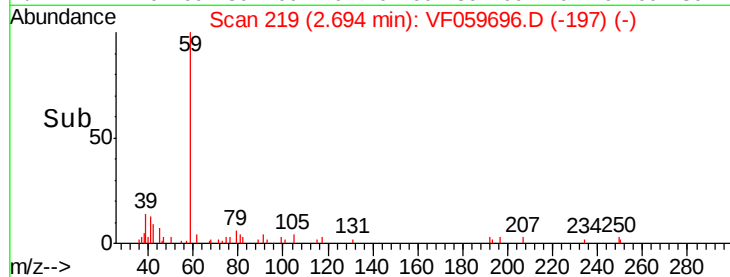
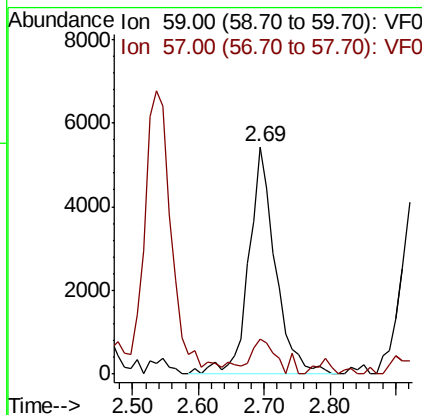
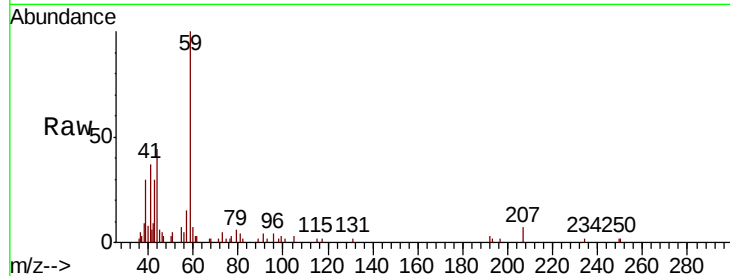
Tert butyl alcohol
Concen: 113.98 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.4	7.6	11.4#

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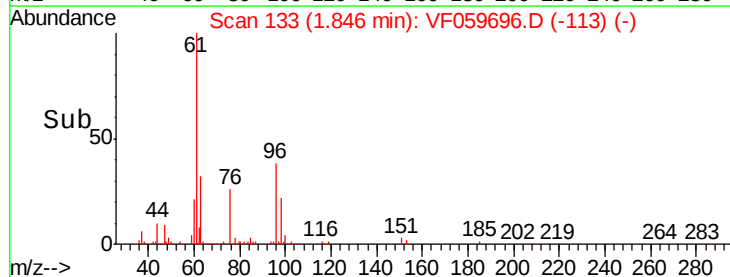
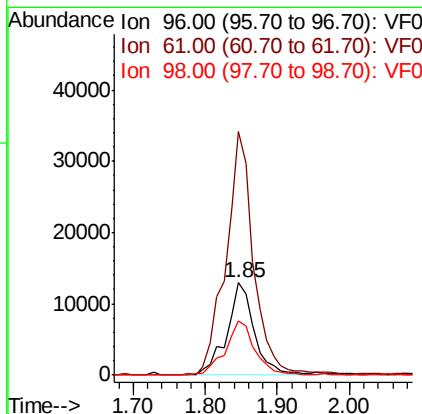
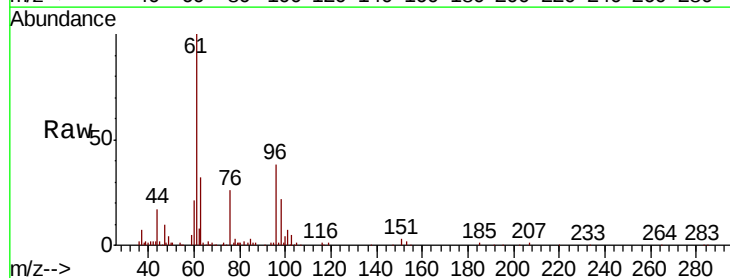
apatel
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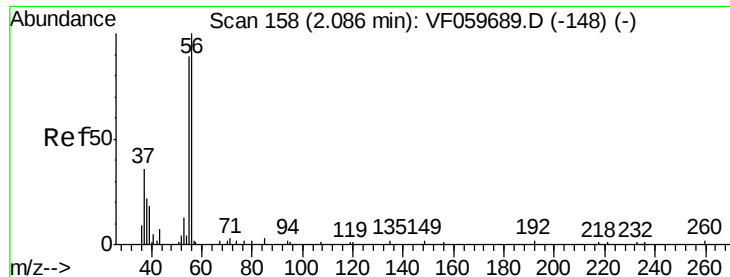


#12

1,1-Dichloroethene
Concen: 23.85 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	263.3	215.1	322.7
98	58.8	54.3	81.5





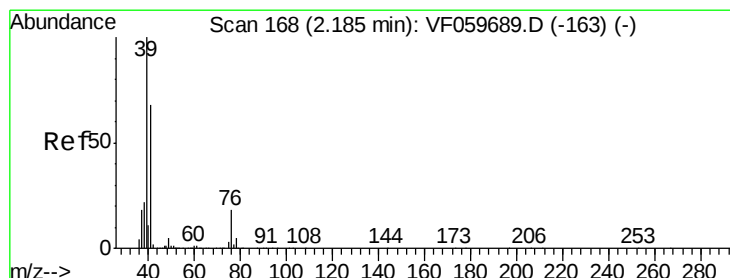
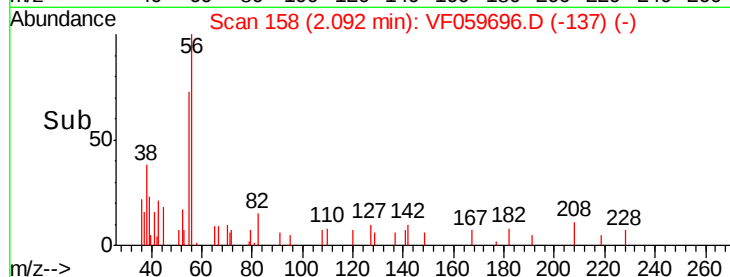
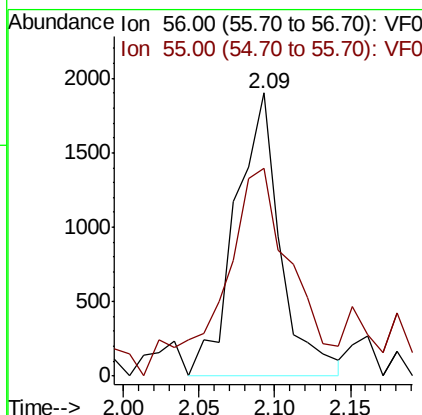
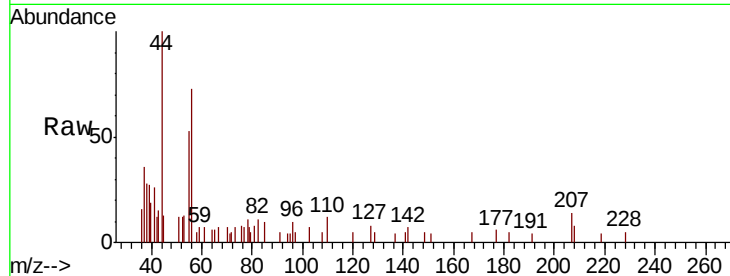
#13
Acrolein
Concen: 65.98 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	73.2	109.8

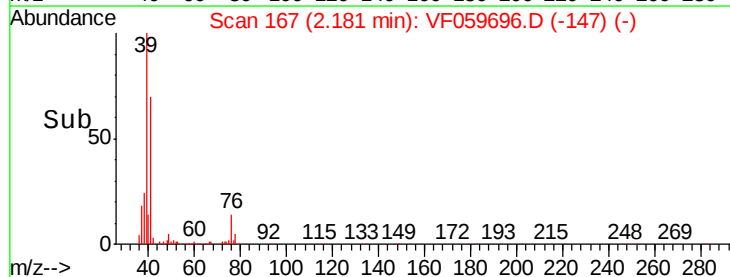
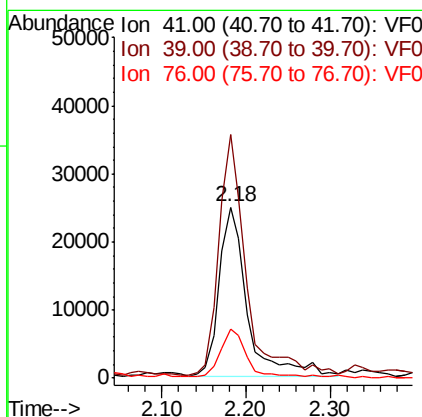
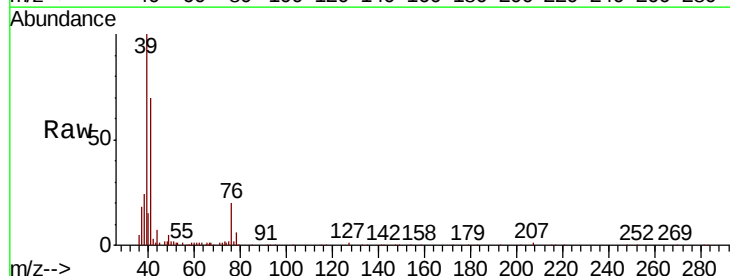
Manual Integrations
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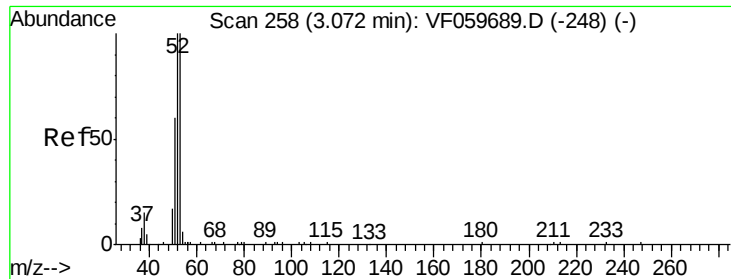
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#14
Allyl chloride
Concen: 24.17 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	142.3	118.1	177.1
76	28.6	22.0	33.0





#15

Acrylonitrile

Concen: 127.18 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

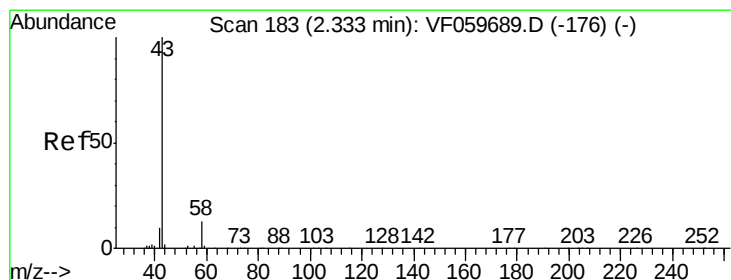
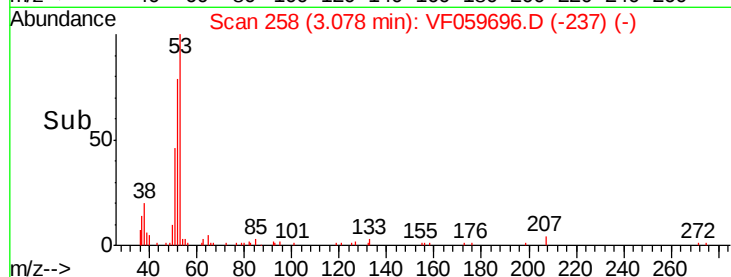
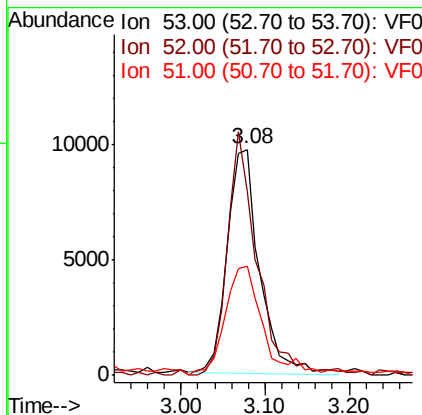
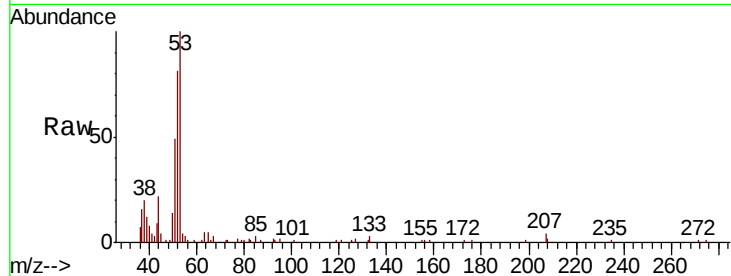
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	26147
Ion	Ratio	Lower	Upper
53	100		
52	81.1	80.3	120.5
51	48.6	49.4	74.0#

Manual Integrations
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#16

Acetone

Concen: 111.51 ug/l

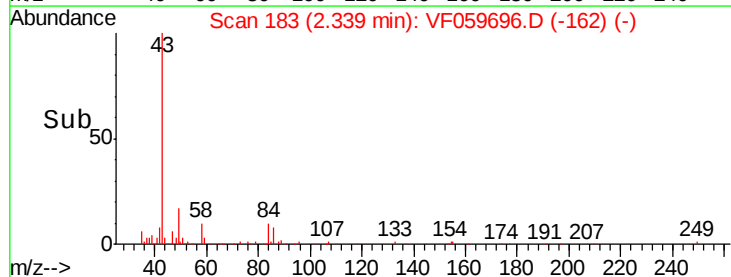
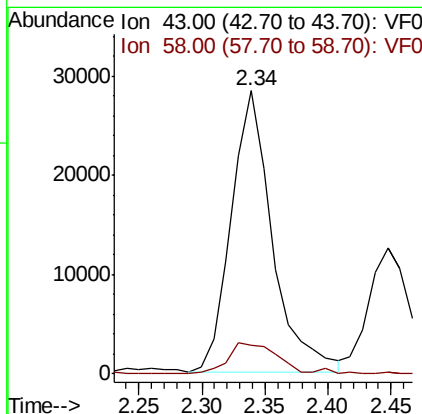
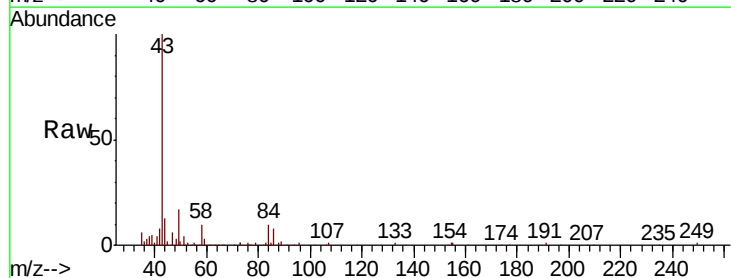
RT: 2.34 min Scan# 183

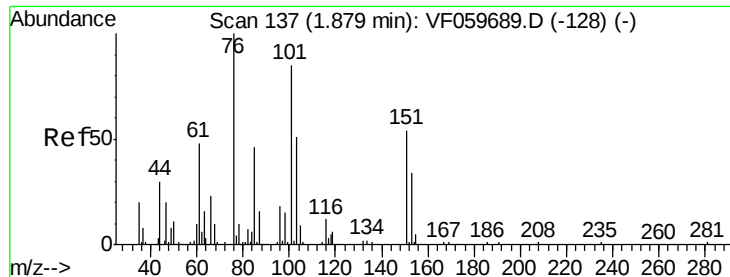
Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	43	Resp:	63836
Ion	Ratio	Lower	Upper
43	100		
58	10.3	10.1	15.1





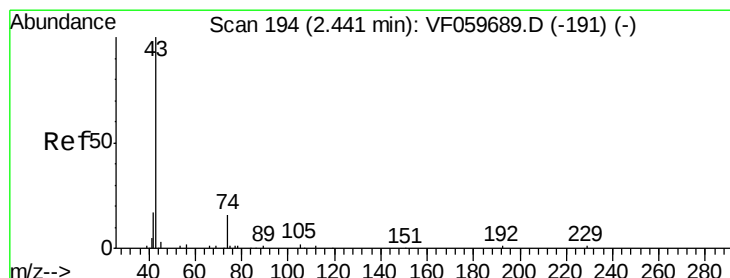
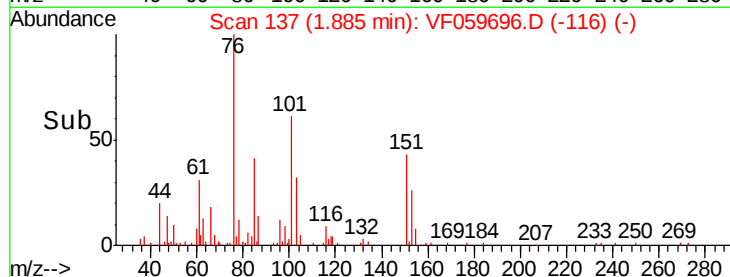
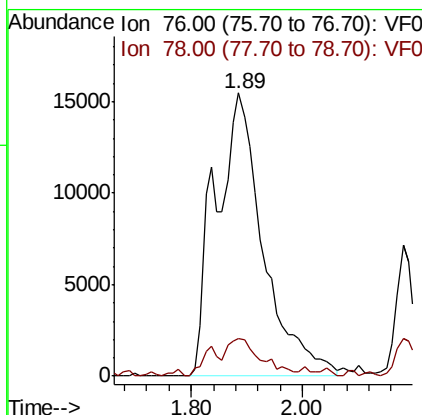
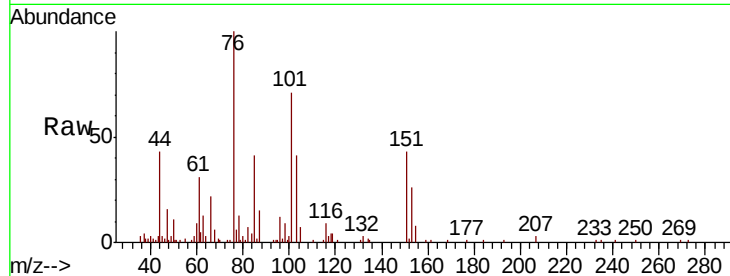
#17
Carbon Disulfide
Concen: 26.06 ug/l m
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.3	8.9	13.3

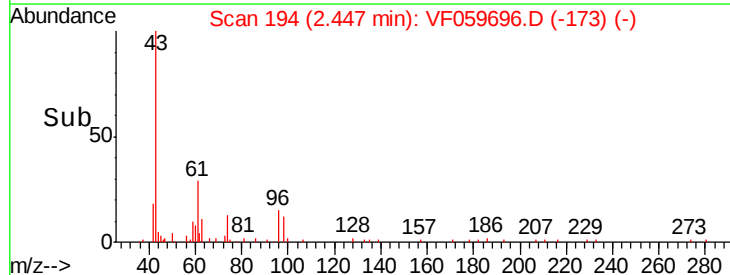
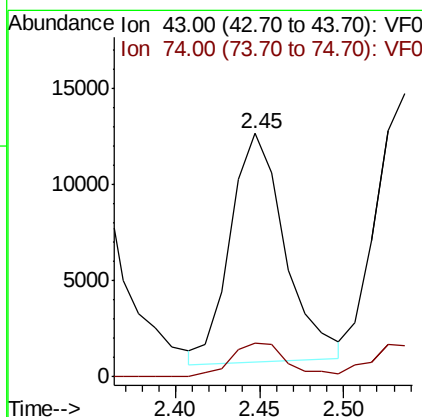
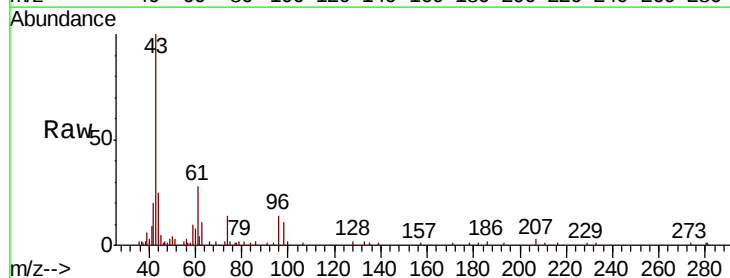
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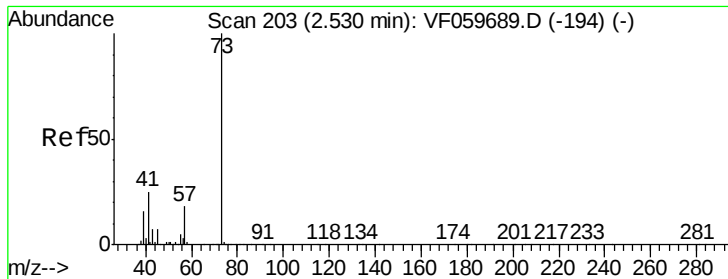
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#18
Methyl Acetate
Concen: 27.90 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.6	11.8	17.6





#19

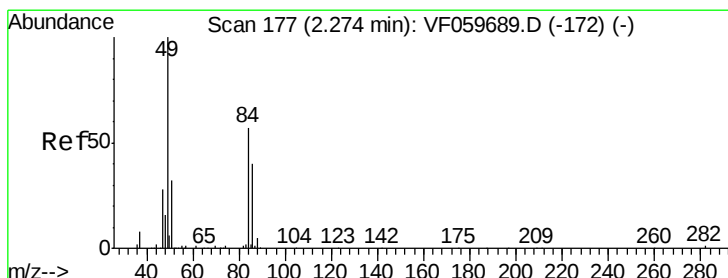
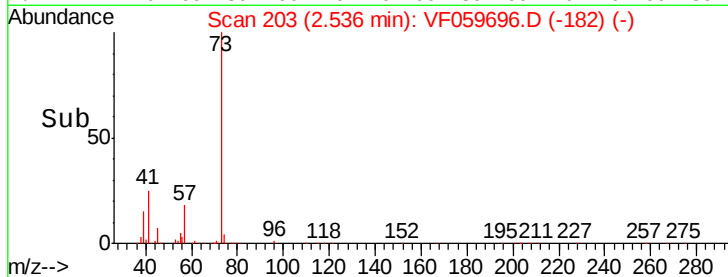
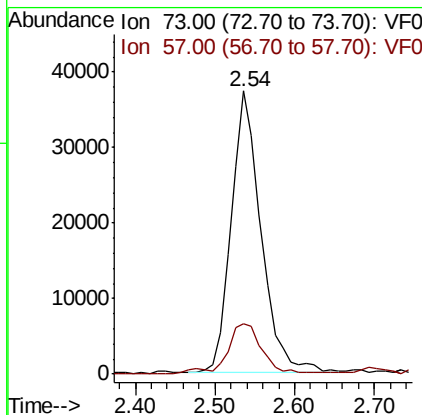
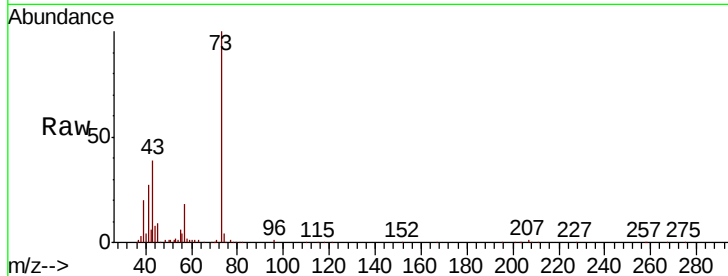
Methyl tert-butyl Ether
 Concen: 23.74 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.2	21.2

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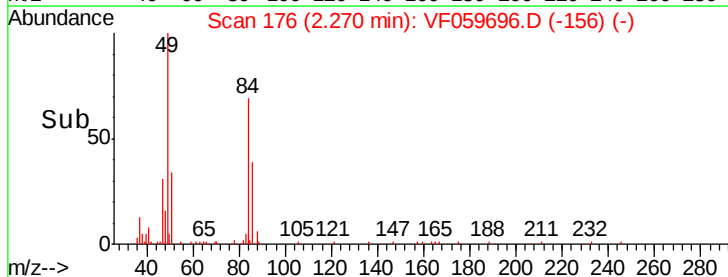
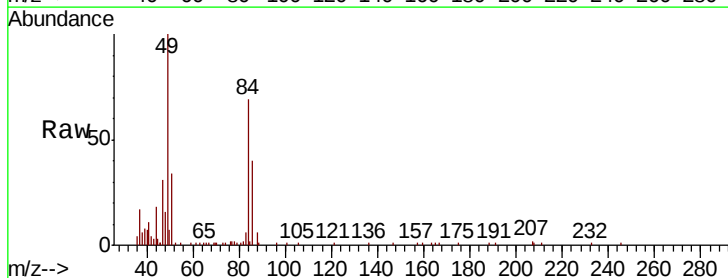
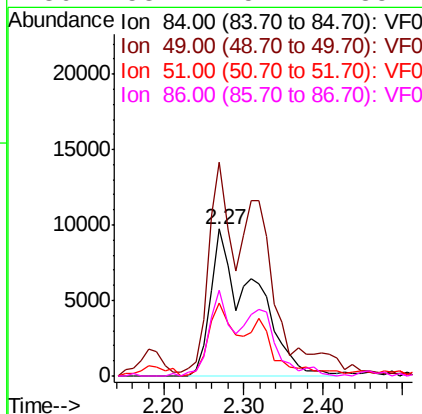
apatel
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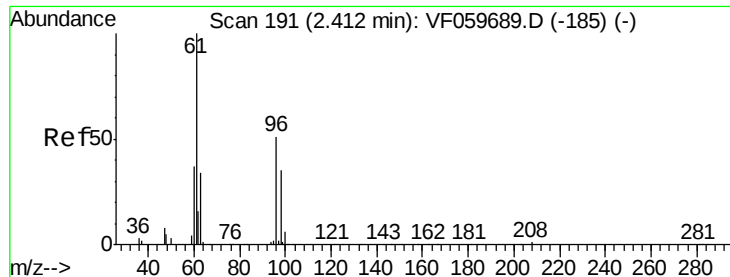


#20

Methylene Chloride
 Concen: 17.32 ug/l m
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.4	142.2	213.4
51	49.8	46.2	69.2
86	58.2	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 22.85 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

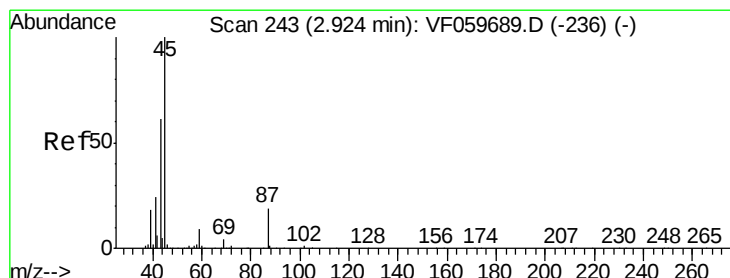
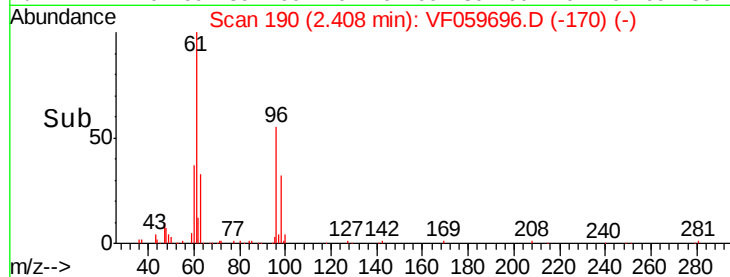
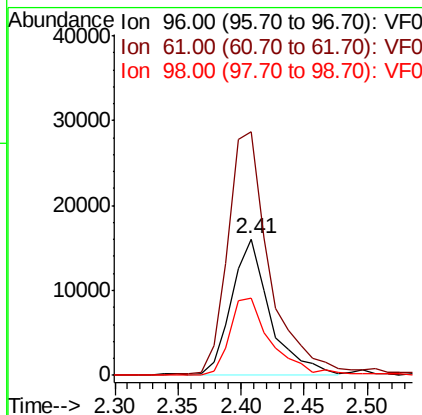
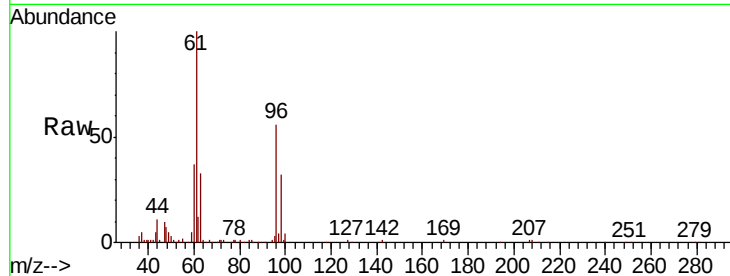
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	34267
Ion	Ratio	Lower	Upper
96	100		
61	178.8	157.4	236.0
98	56.5	55.0	82.4

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#22

Diisopropyl ether

Concen: 23.99 ug/l

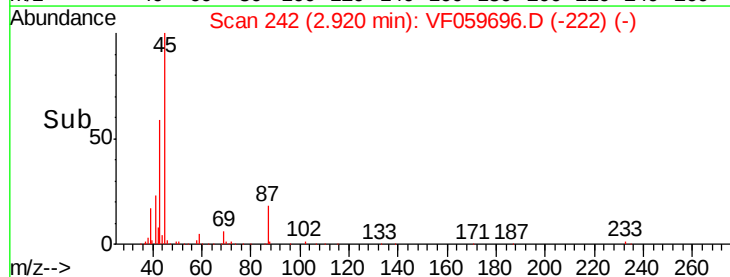
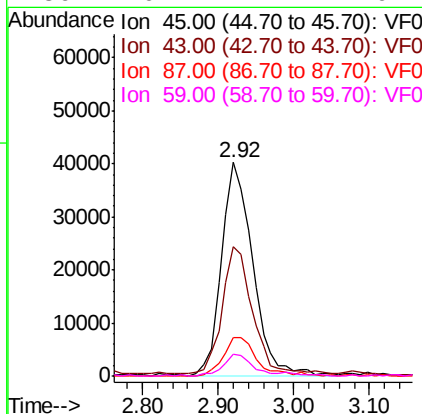
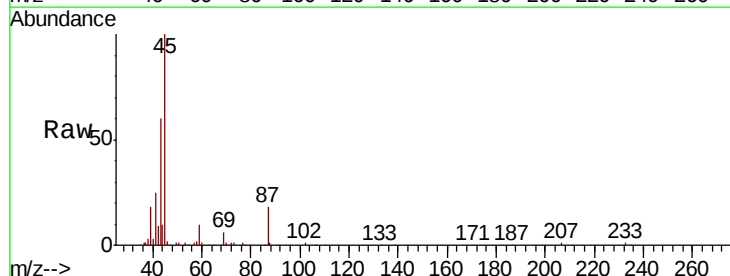
RT: 2.92 min Scan# 242

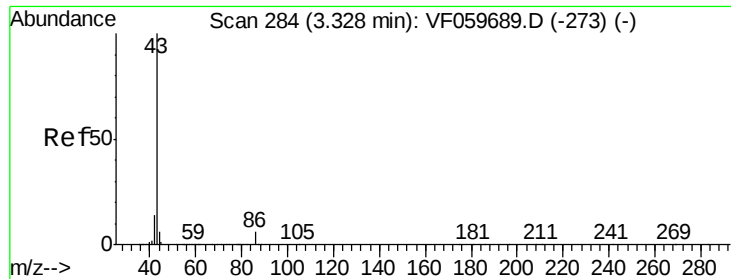
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	45	Resp:	114693
Ion	Ratio	Lower	Upper
45	100		
43	60.5	49.3	73.9
87	18.1	15.3	22.9
59	10.2	7.1	10.7





#23

Vinyl Acetate

Concen: 118.09 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

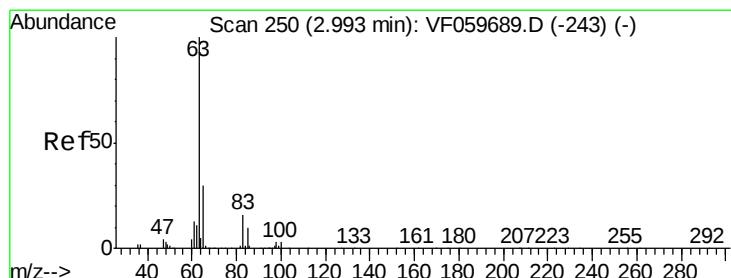
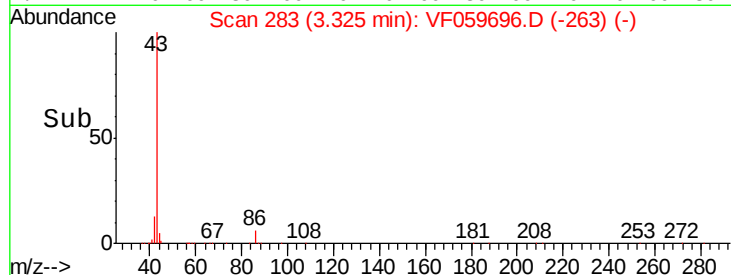
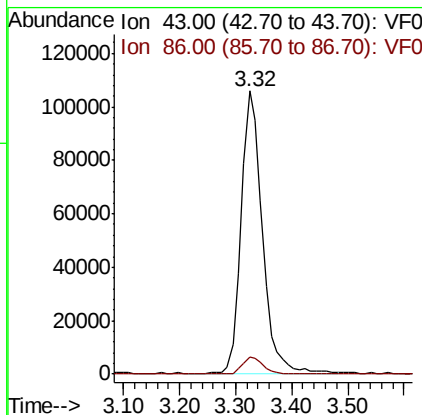
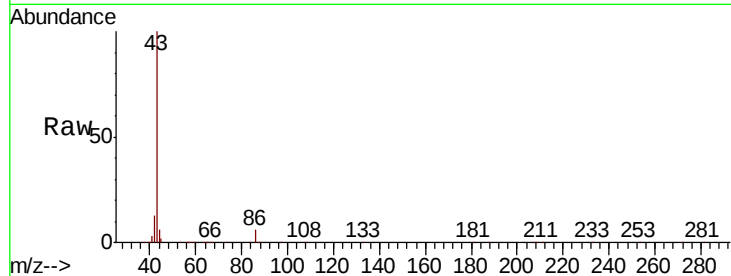
ClientSampleId :

VSTDIC020

Tot Ion	43	Resp	279884
Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.6	6.8

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#24

1,1-Dichloroethane

Concen: 24.17 ug/l

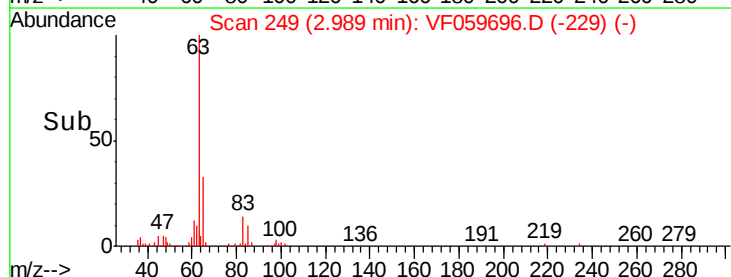
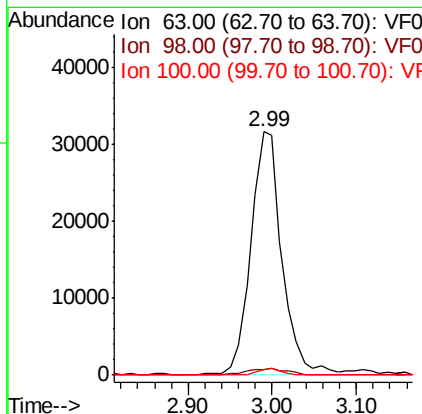
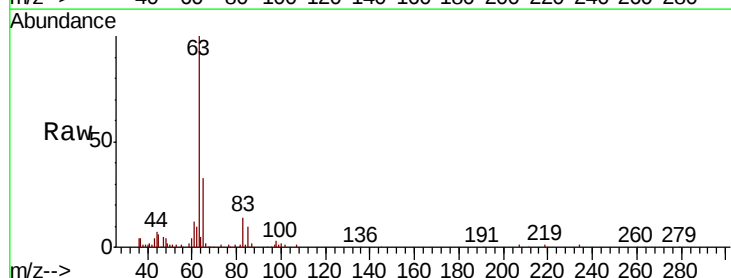
RT: 2.99 min Scan# 249

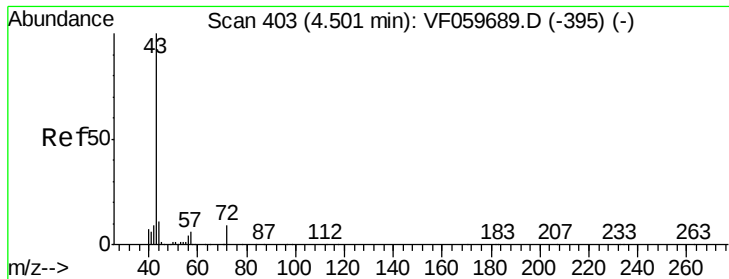
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion	63	Resp	82221
Ion	Ratio	Lower	Upper
63	100		
98	2.5	1.4	4.2
100	2.5	1.6	4.7





#25

2-Butanone

Concen: 113.70 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 71718

Ion Ratio Lower Upper

43 100

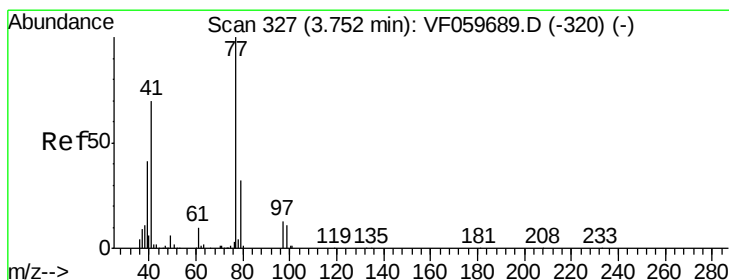
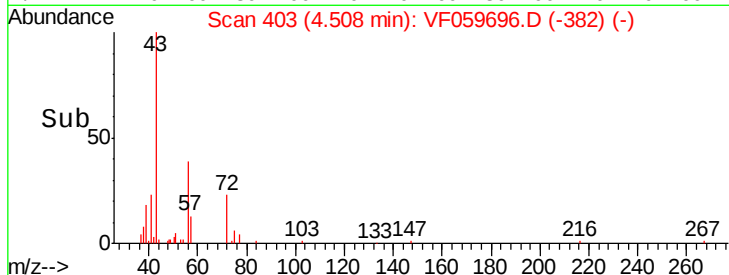
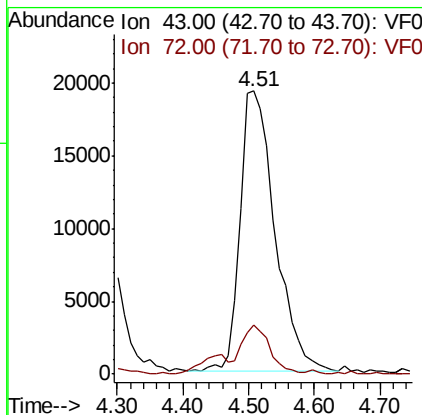
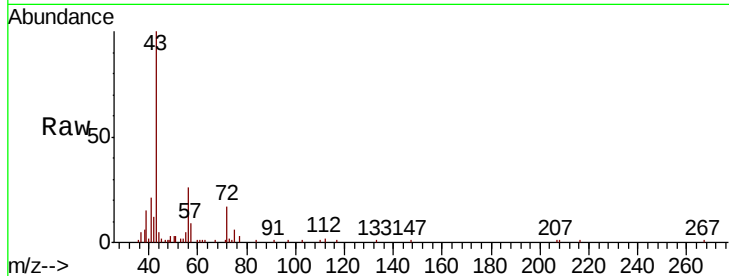
72 17.3 7.7 11.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.68 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059696.D

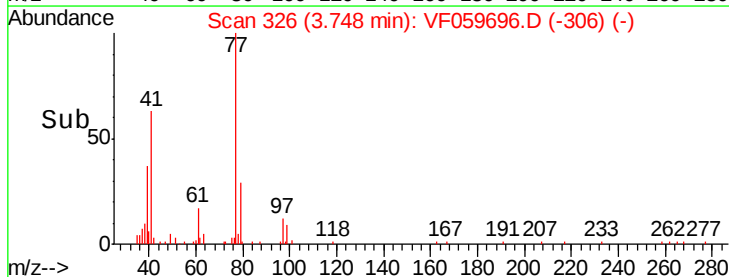
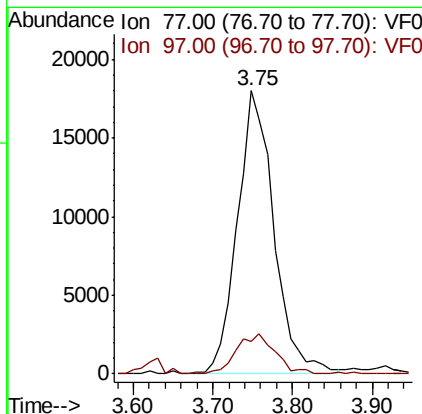
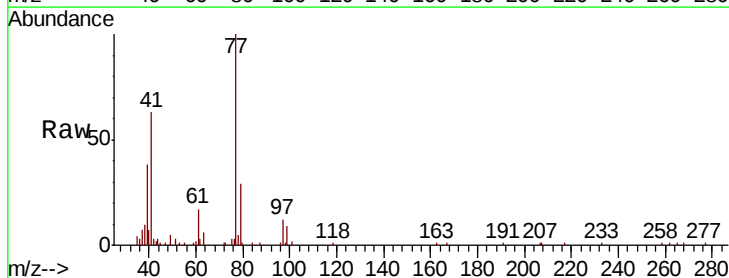
Acq: 30 Jul 2018 19:04

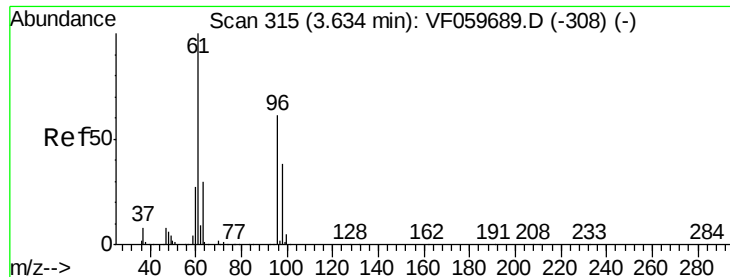
Tgt Ion: 77 Resp: 57221

Ion Ratio Lower Upper

77 100

97 11.7 6.8 20.4





#27

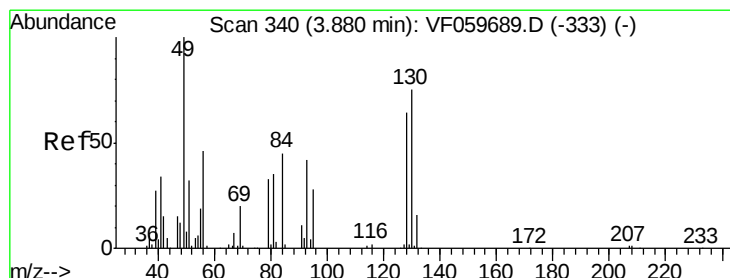
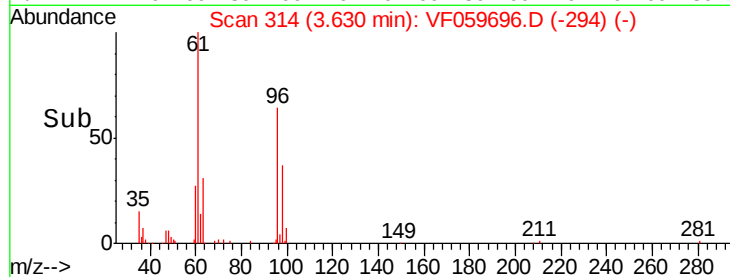
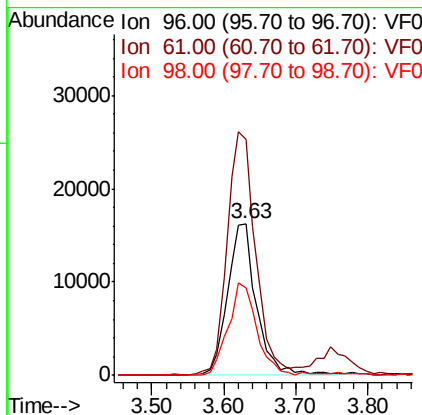
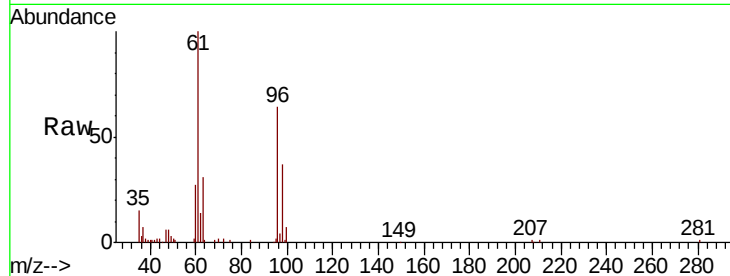
cis-1,2-Dichloroethene
 Concen: 25.96 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	326.8
98	57.9	0.0	125.2

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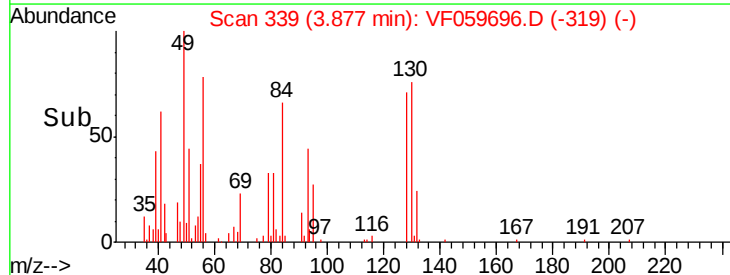
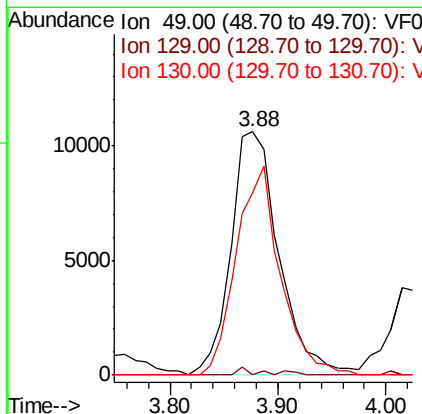
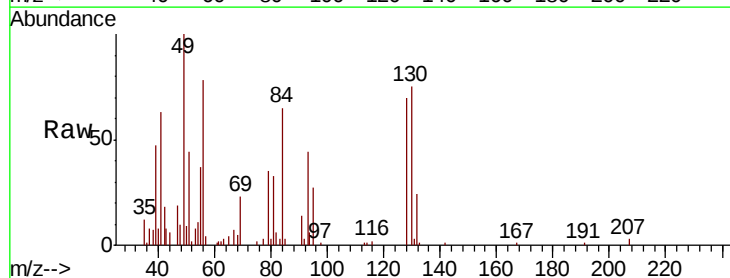
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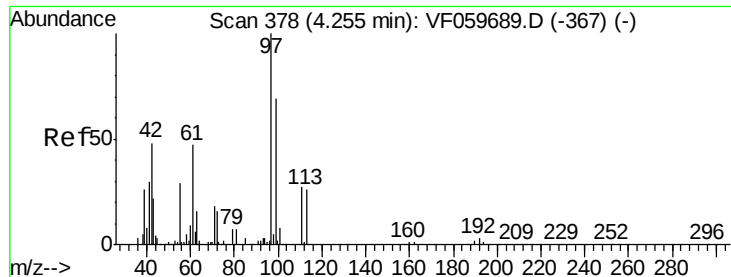


#28

Bromochloromethane
 Concen: 26.05 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	75.0	59.6	89.4





#29

Tetrahydrofuran

Concen: 117.40 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

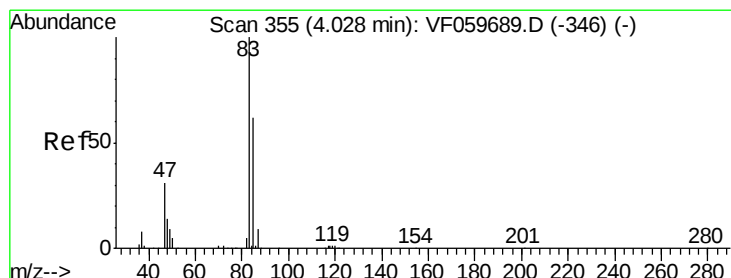
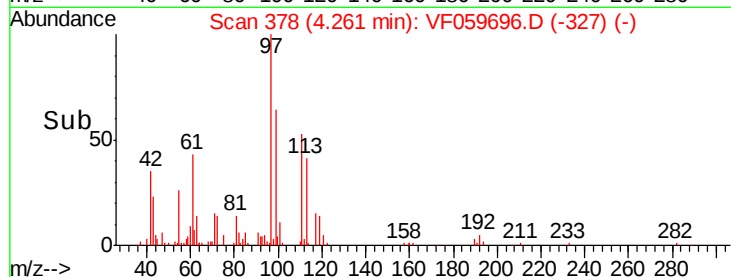
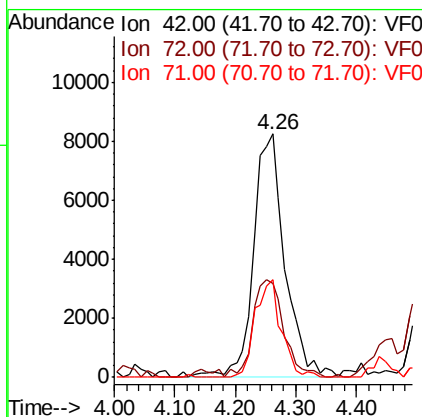
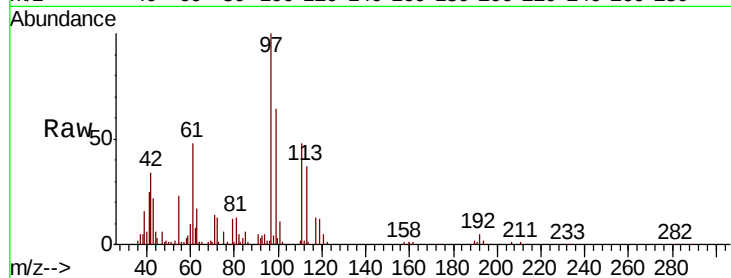
ClientSampled :

VSTDIC020

Tot Ion:	42	Resp:	29722
Ion Ratio		Lower	Upper
42	100		
72	39.6	27.0	40.6
71	33.6	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 23.22 ug/l

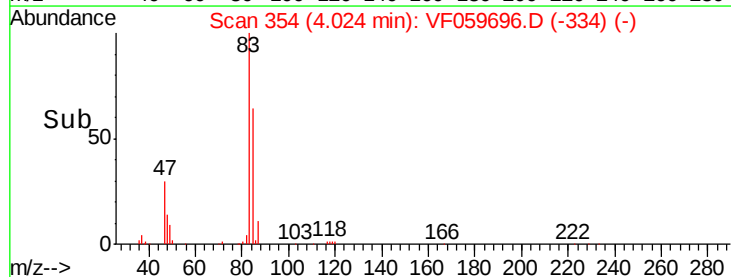
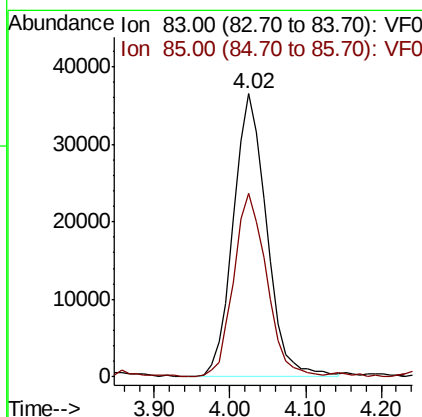
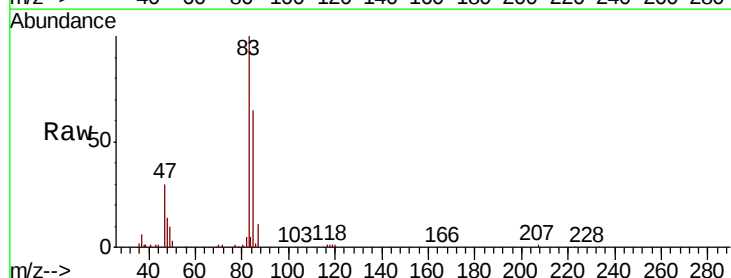
RT: 4.02 min Scan# 354

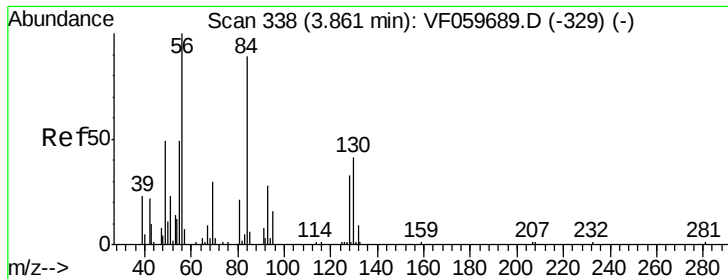
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	83	Resp:	111587
Ion Ratio		Lower	Upper
83	100		
85	64.8	49.4	74.0





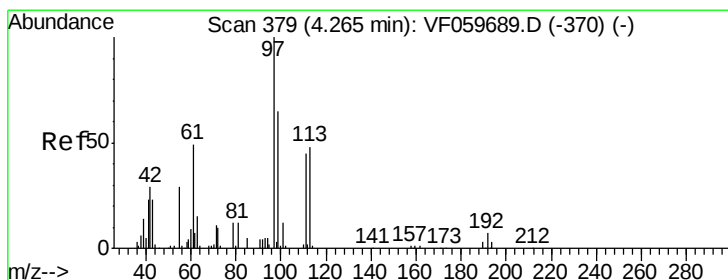
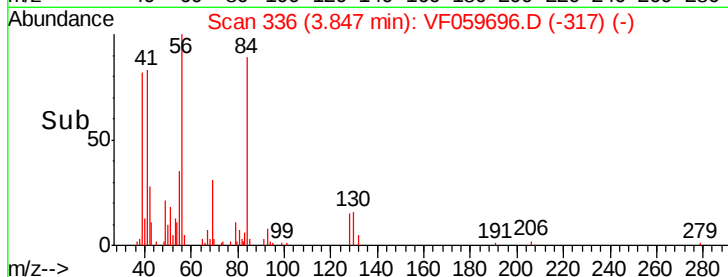
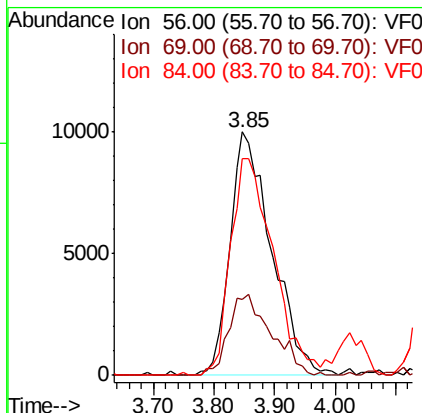
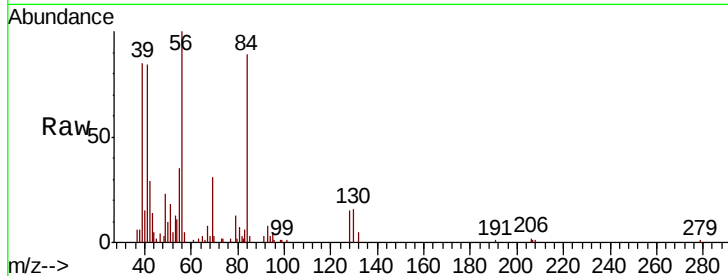
#31
Cyclohexane
Concen: 24.56 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.7	35.5
84	88.9	71.1	106.7

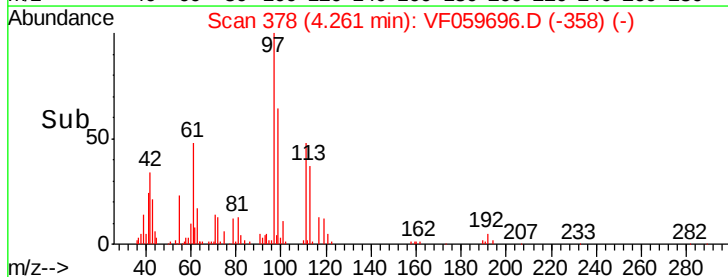
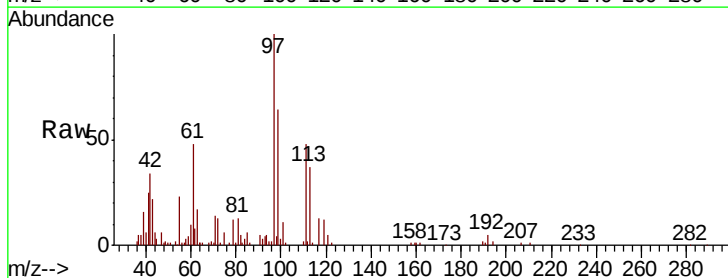
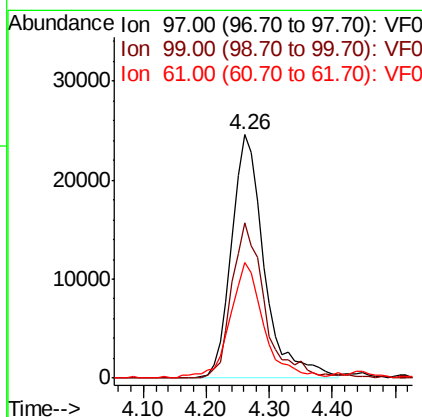
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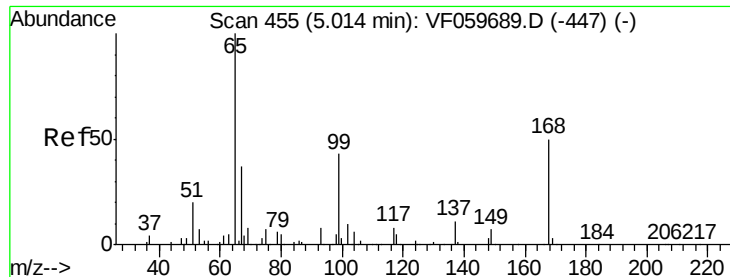
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#32
1,1,1-Trichloroethane
Concen: 22.37 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.4	78.6
61	47.7	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 23.39 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 73499

Ion Ratio Lower Upper

65 100

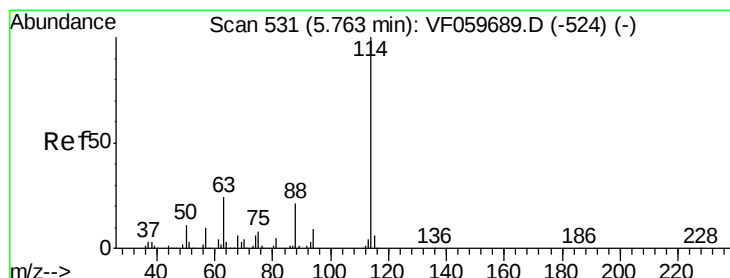
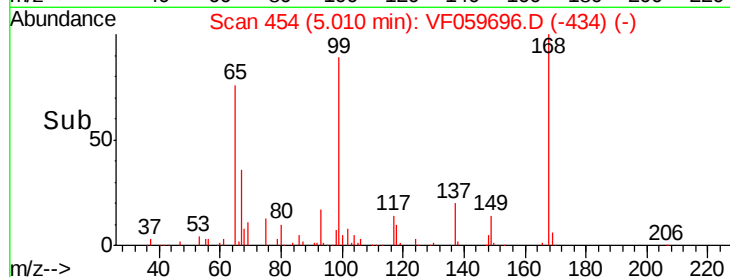
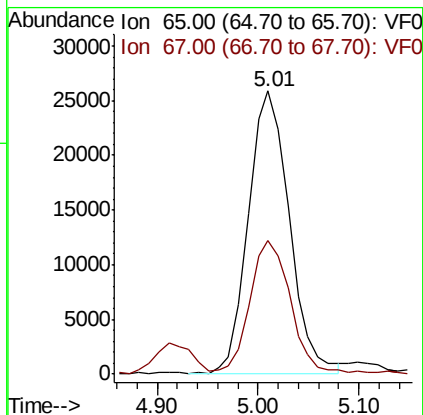
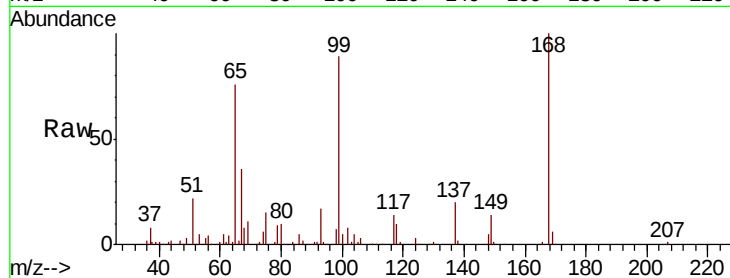
67 47.4 0.0 84.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

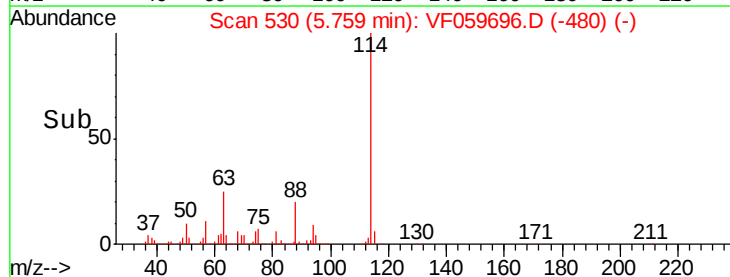
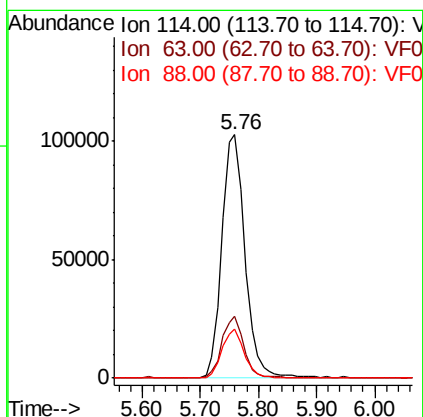
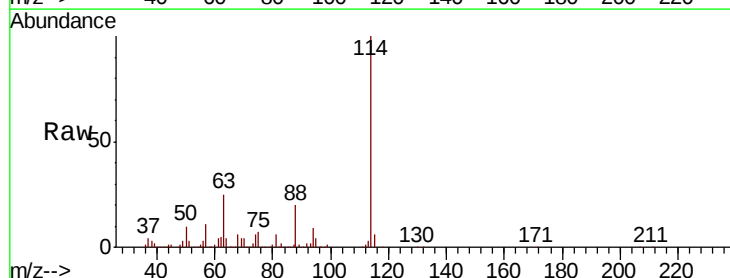
Tgt Ion: 114 Resp: 284767

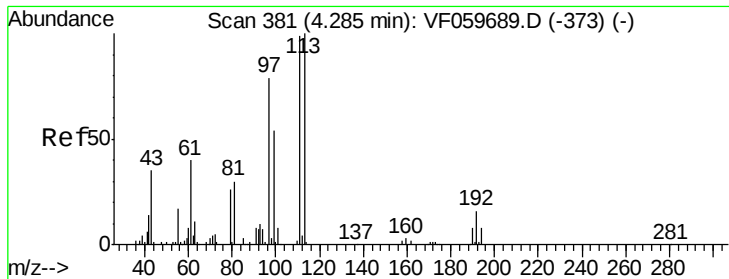
Ion Ratio Lower Upper

114 100

63 25.2 0.0 47.4

88 19.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 21.61 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

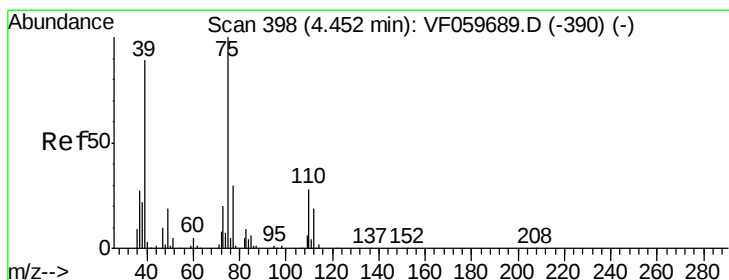
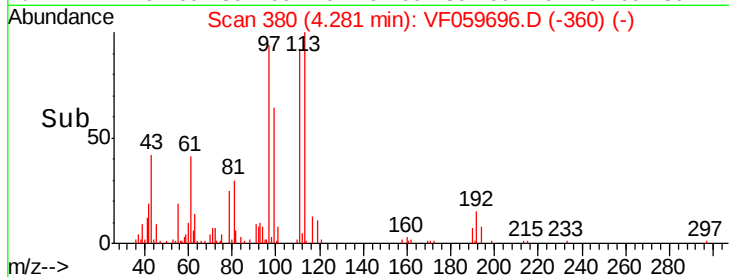
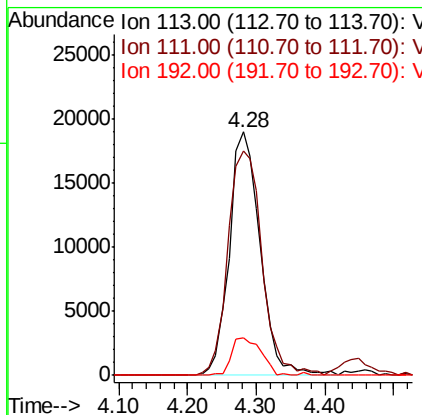
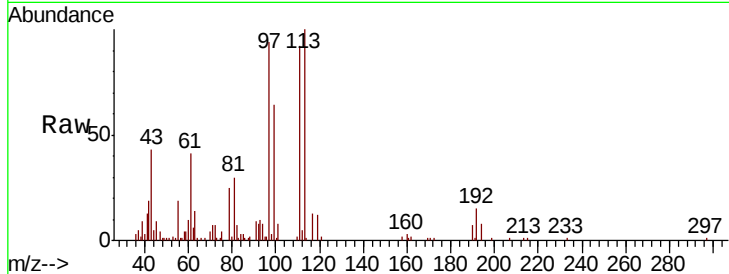
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	58902
Ion Ratio	Lower	Upper	
113	100		
111	91.9	79.0	118.4
192	15.2	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 23.60 ug/l

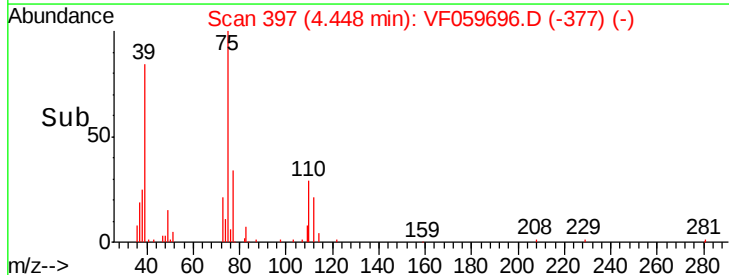
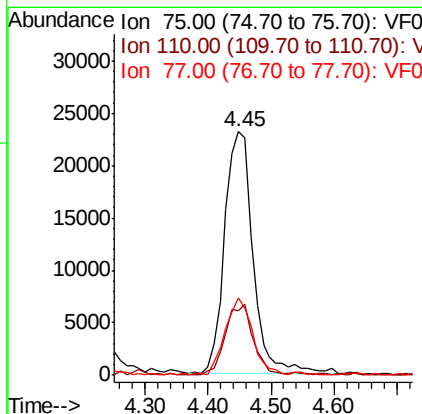
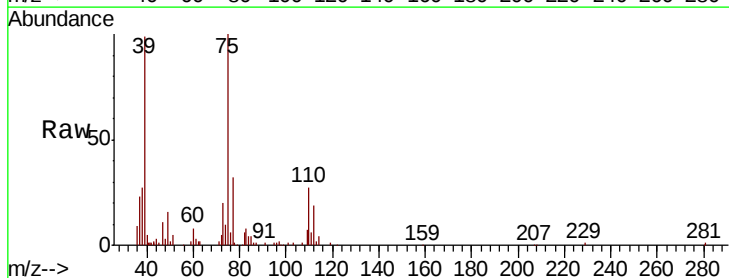
RT: 4.45 min Scan# 397

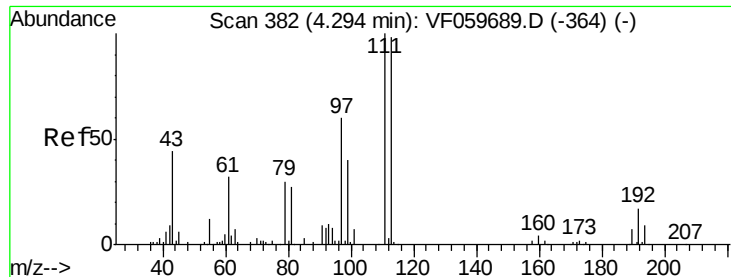
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	75	Resp:	72895
Ion Ratio	Lower	Upper	
75	100		
110	26.6	14.0	41.9
77	31.9	24.2	36.2





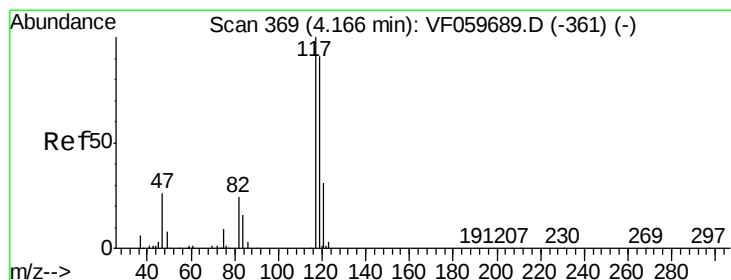
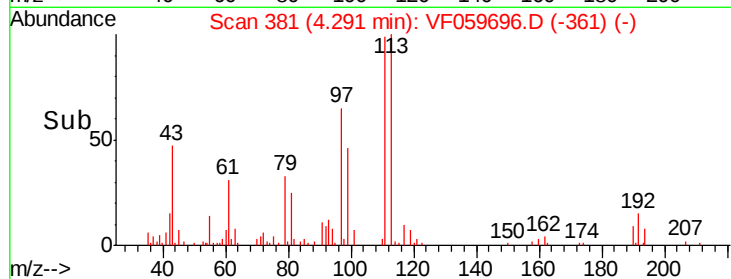
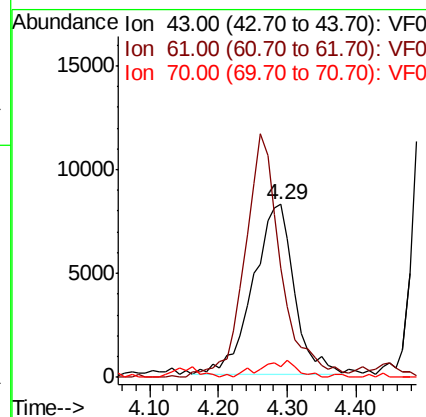
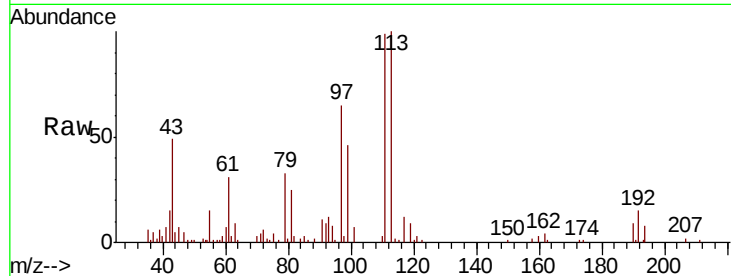
#37
Ethyl Acetate
Concen: 25.27 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	63.4	58.2	87.2
70	5.9	6.0	9.0

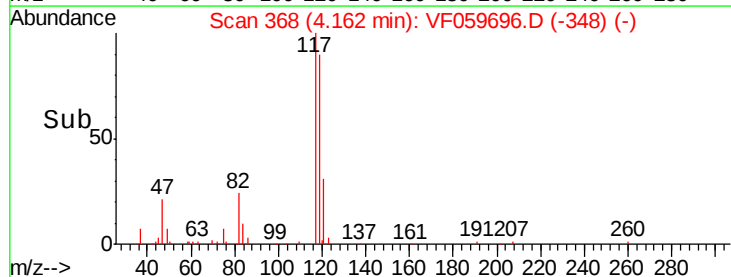
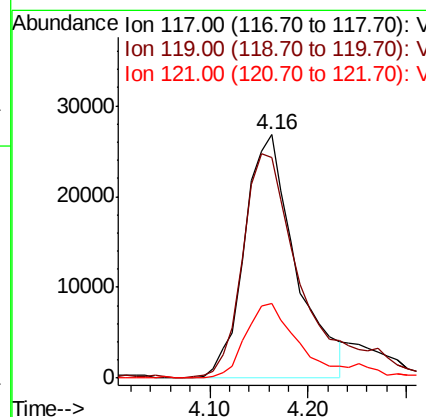
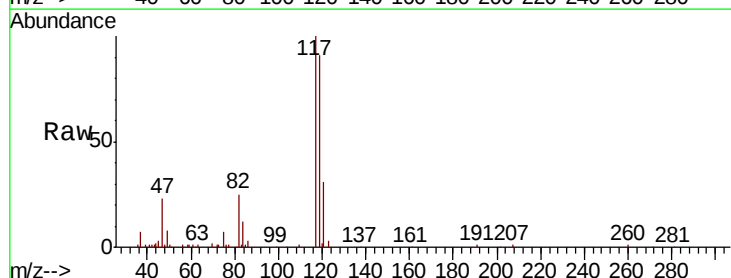
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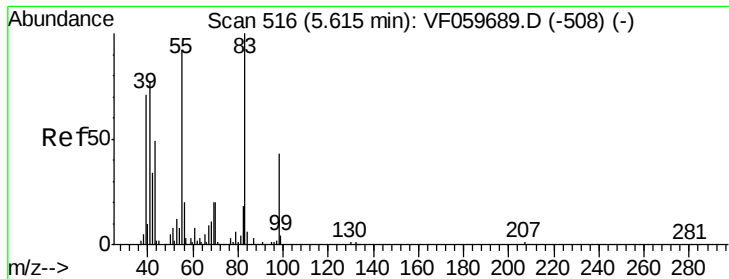
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#38
Carbon Tetrachloride
Concen: 21.30 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	72.9	109.3
121	30.8	25.0	37.4





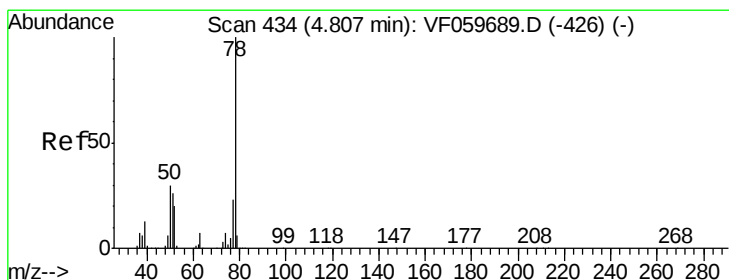
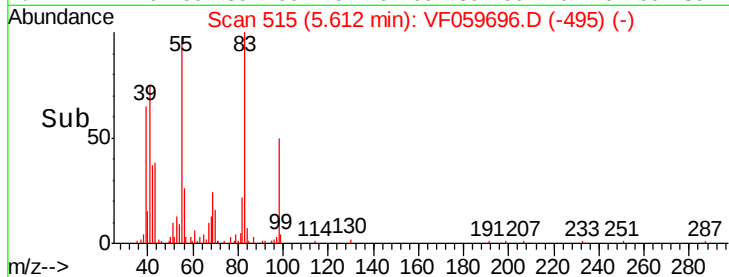
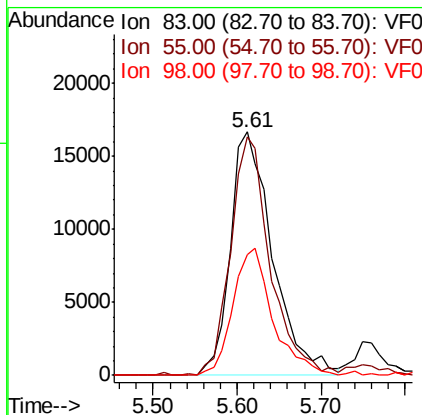
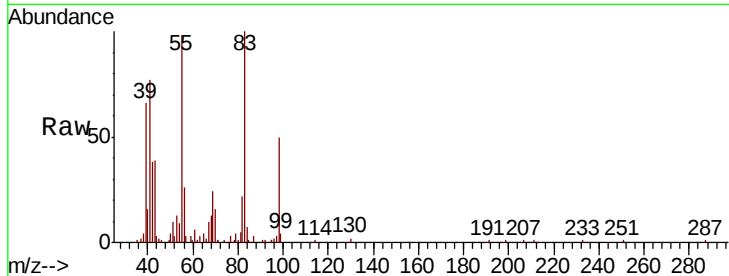
#39
Methvlcvclohexane
Concen: 23.23 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.0	73.4	110.2
98	49.6	34.2	51.4

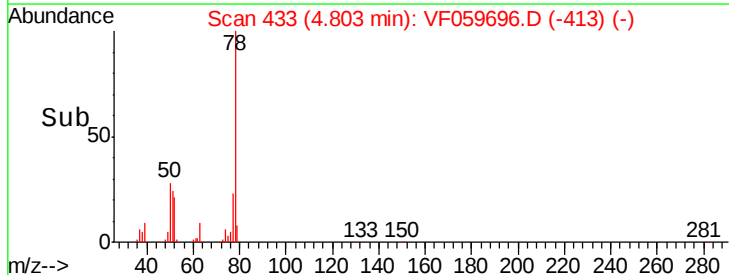
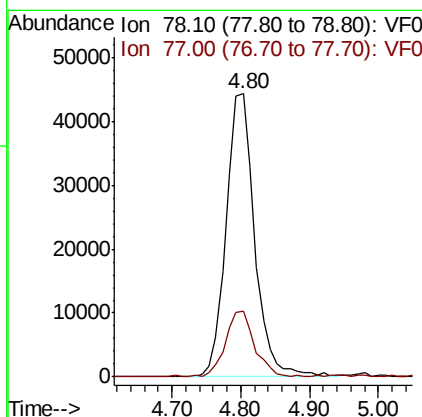
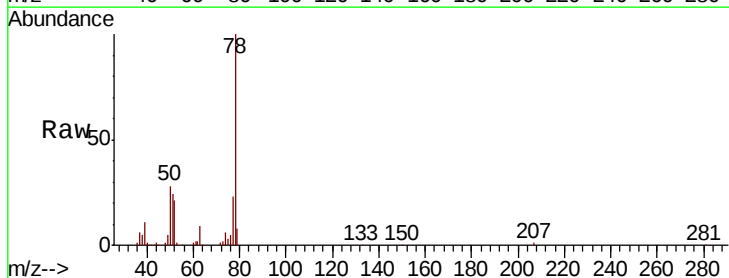
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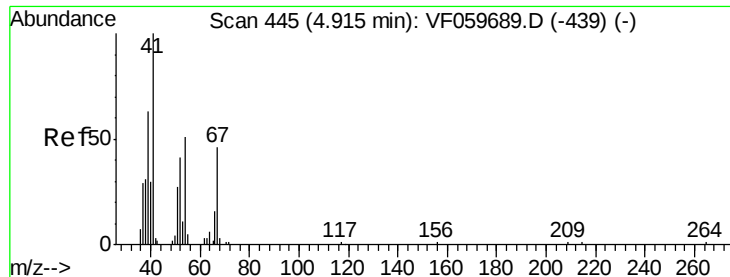
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#40
Benzene
Concen: 23.33 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





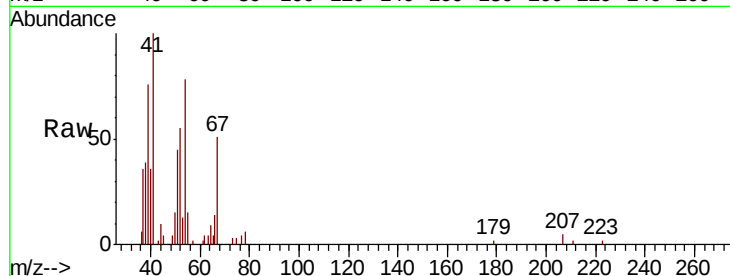
#41
Methacrylonitrile
Concen: 25.63 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

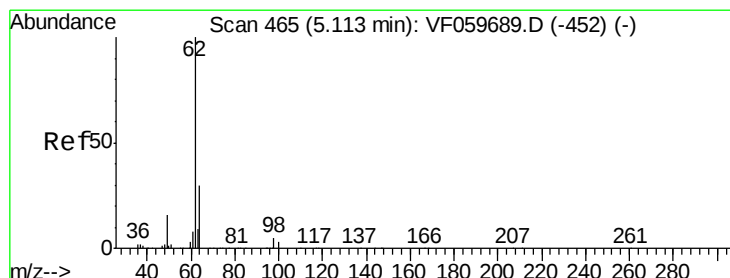
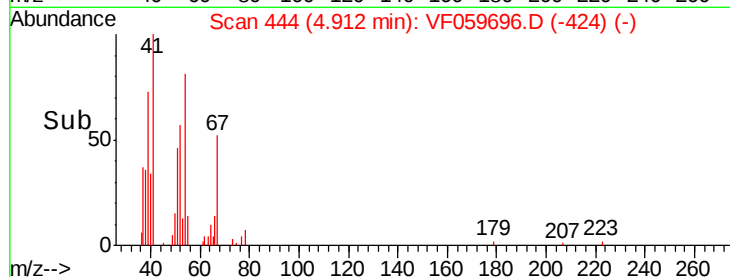
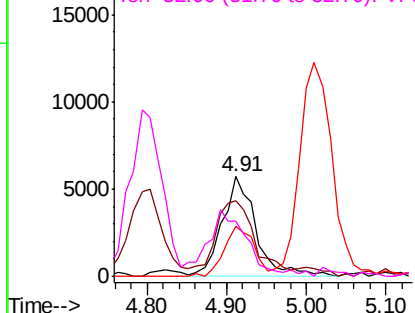
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	76.3	55.2	82.8	
67	50.6	36.2	54.2	
52	55.4	37.7	56.5	

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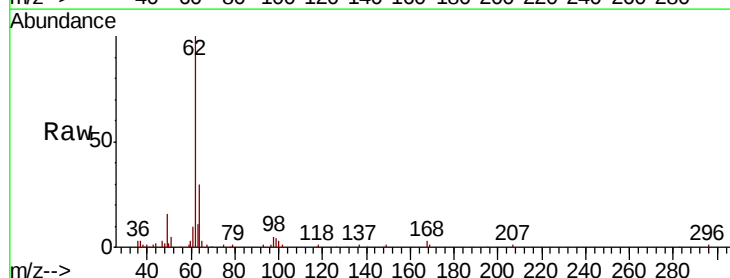


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

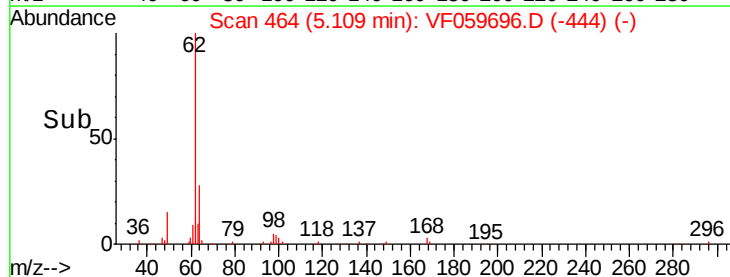
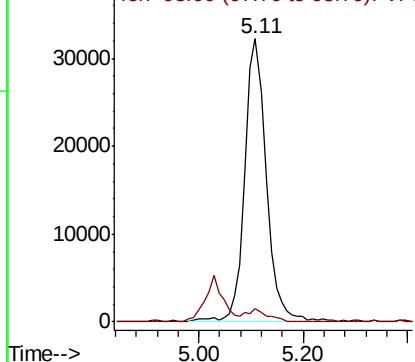


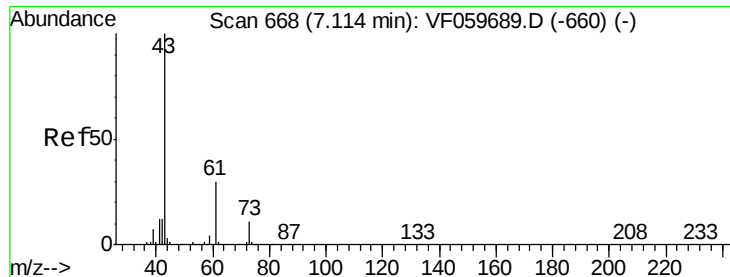
#42
1,2-Dichloroethane
Concen: 25.16 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.6	0.0	9.6	



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

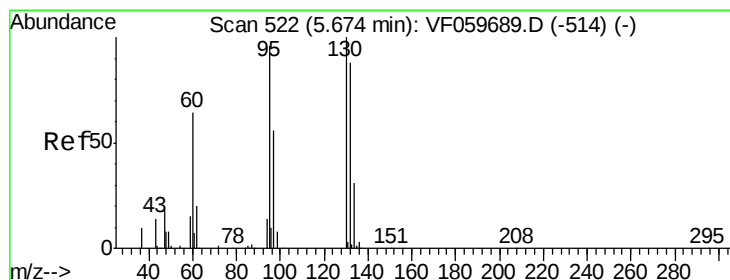
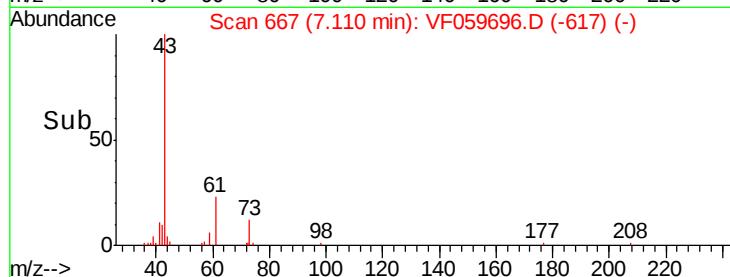
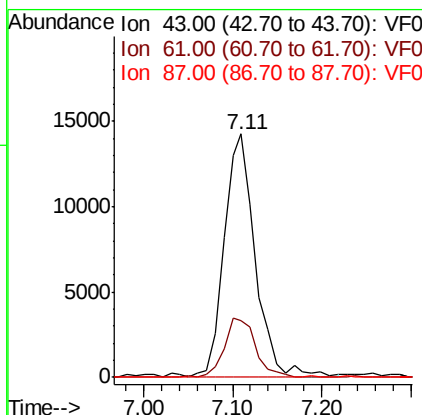
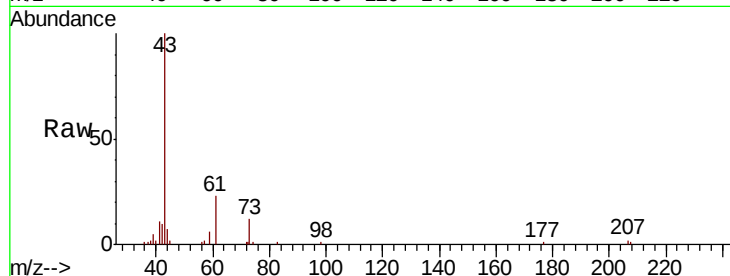
Isopropyl Acetate
 Concen: 25.10 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	23.8	35.8#
87	0.0	0.6	1.0#

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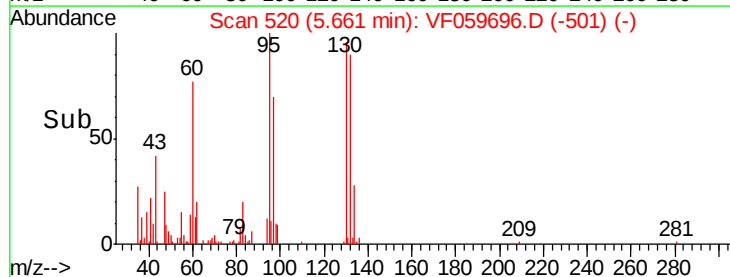
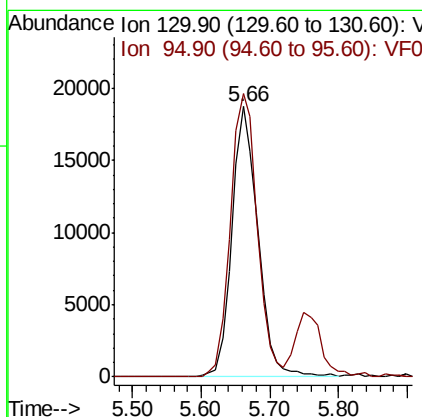
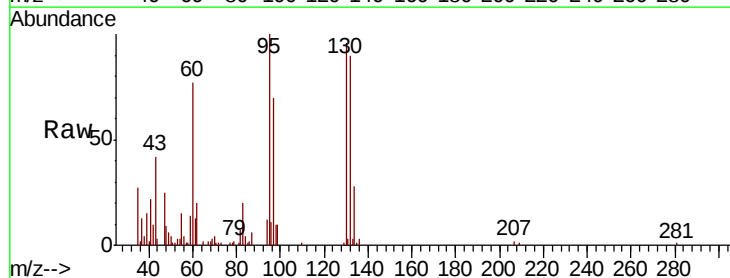
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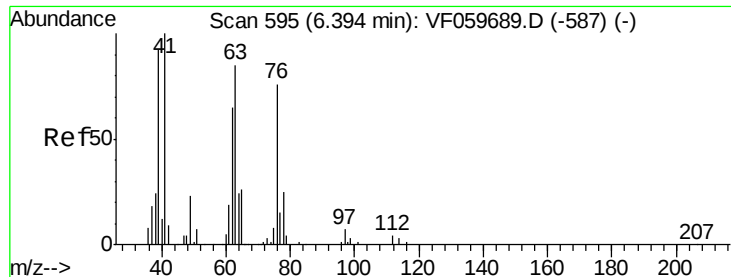


#44

Trichloroethene
 Concen: 22.97 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	191.0





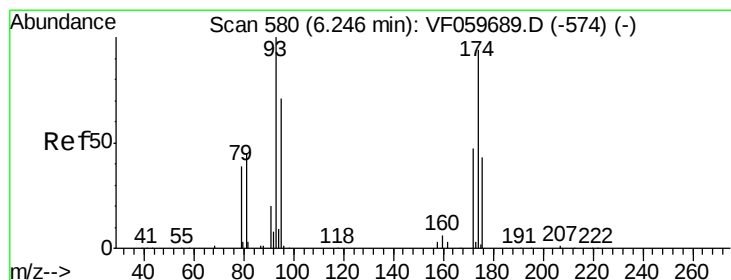
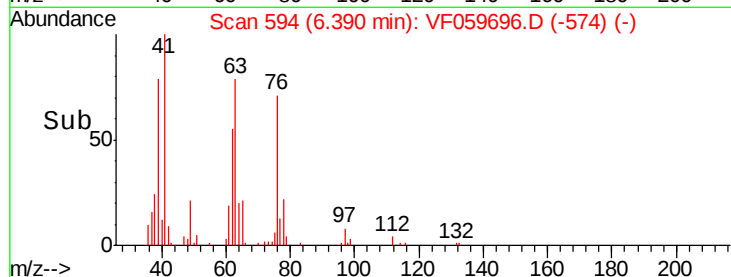
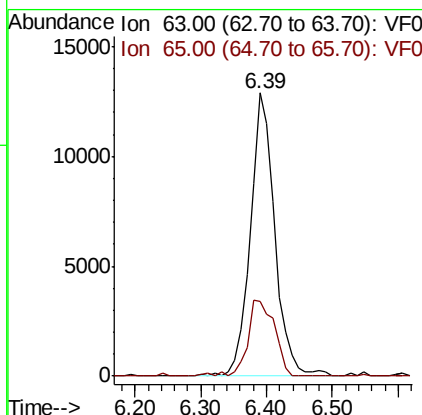
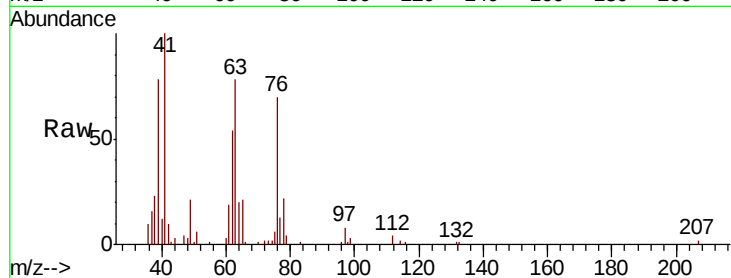
#45
 1,2-Dichloropropane
 Concen: 23.05 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.5	25.2	37.8

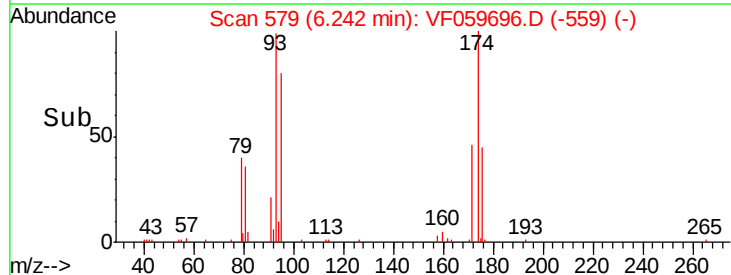
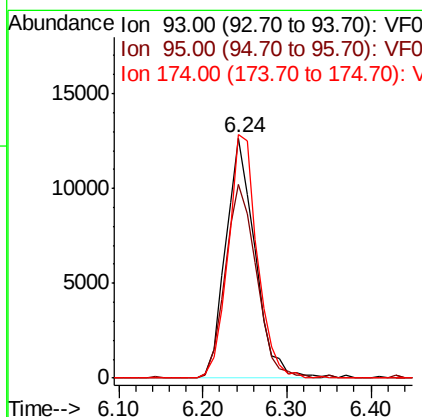
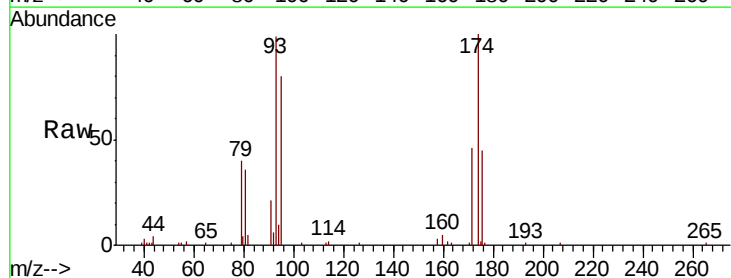
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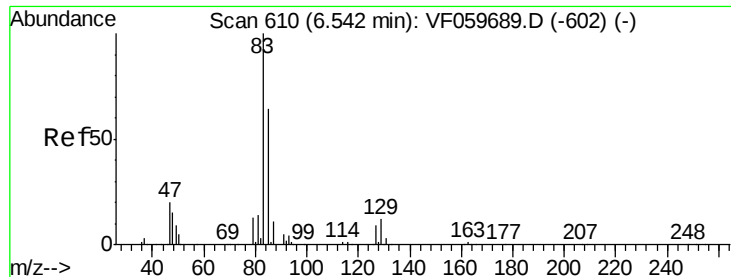
apatel
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#46
 Dibromomethane
 Concen: 24.22 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	57.1	85.7
174	101.5	74.8	112.2





#47

Bromodichloromethane

Concen: 23.63 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059696.D

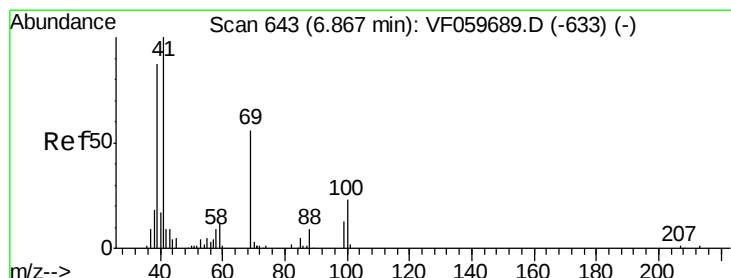
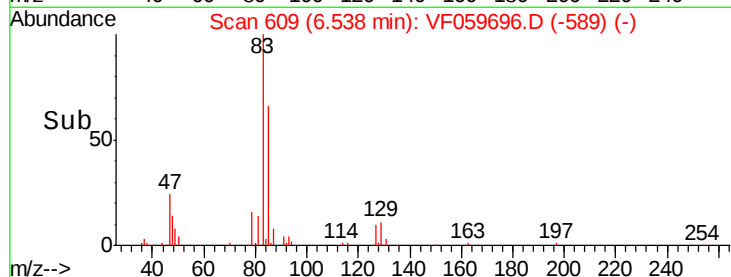
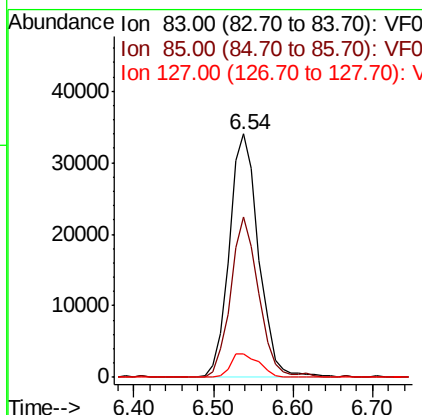
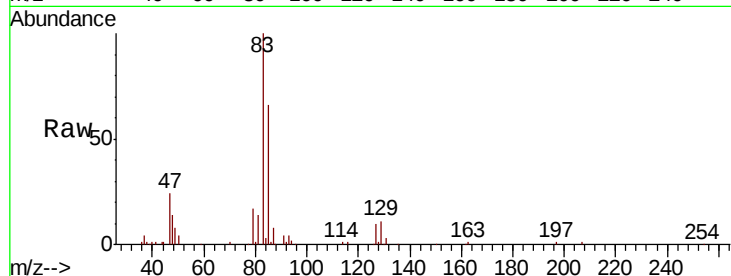
Acq: 30 Jul 2018 19:04

Tot Ion:	83	Resp:	87642
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.0	76.6
127	9.7	7.3	10.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.22 ug/l

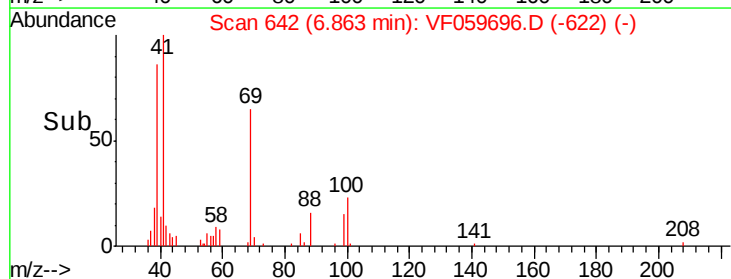
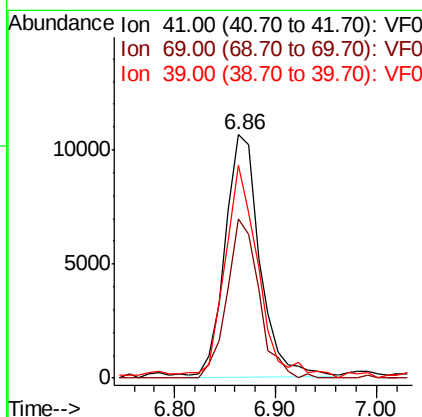
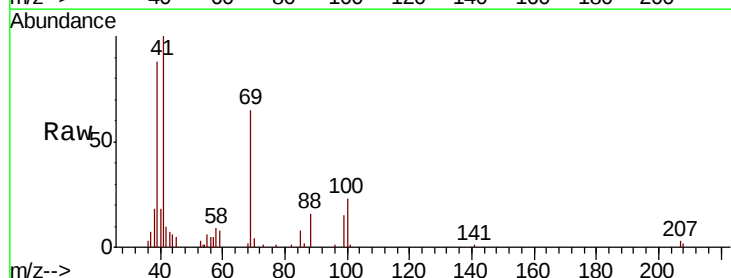
RT: 6.86 min Scan# 642

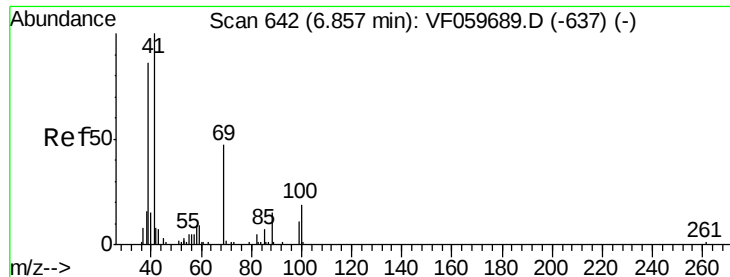
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	41	Resp:	25427
Ion	Ratio	Lower	Upper
41	100		
69	65.2	44.4	66.6
39	87.5	69.4	104.2





#49

1,4-Dioxane

Concen: 529.07 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

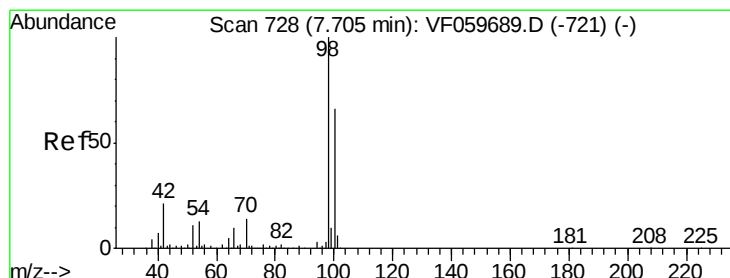
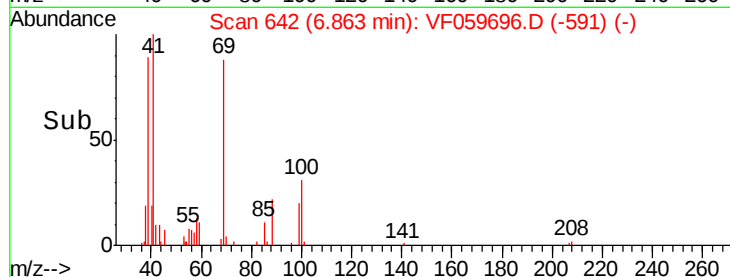
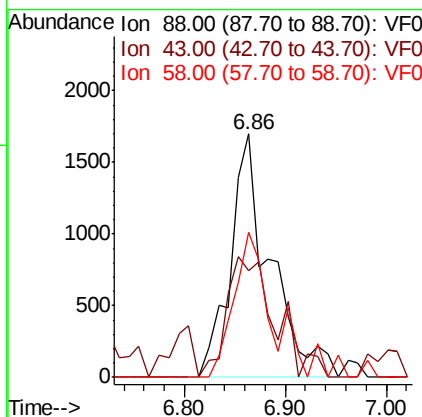
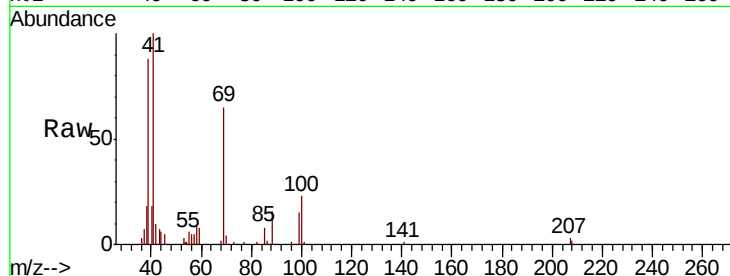
VSTDIC020

Tot Ion:	88	Resp:	4623
Ion	Ratio	Lower	Upper
88	100		
43	44.0	45.2	67.8#
58	59.5	49.0	73.6

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#50

Toluene-d8

Concen: 20.46 ug/l

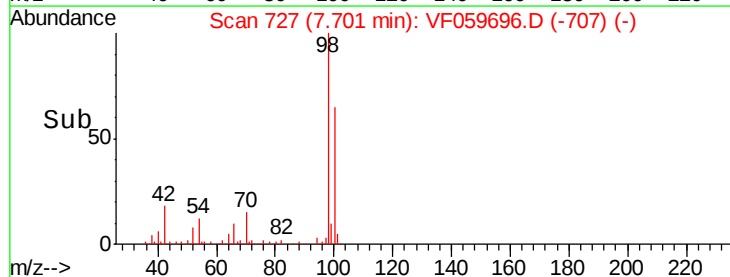
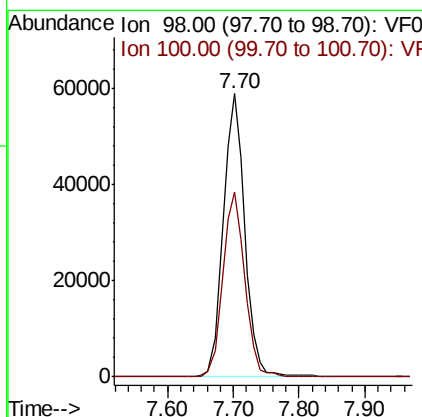
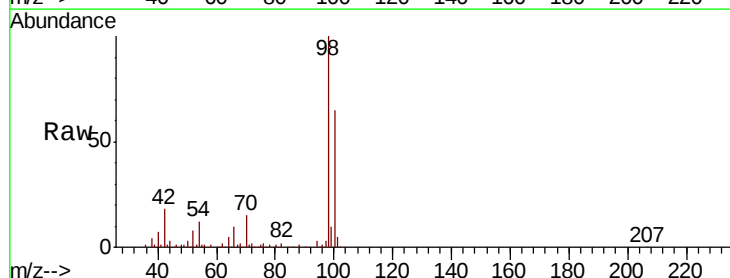
RT: 7.70 min Scan# 727

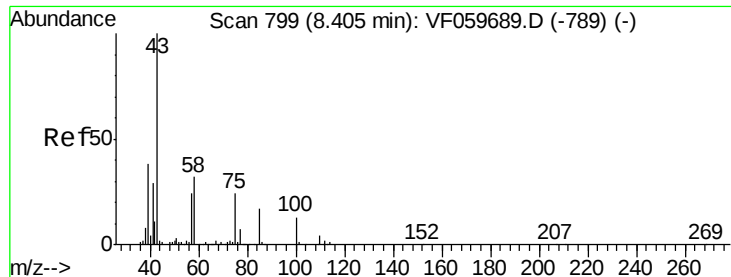
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	98	Resp:	134849
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 126.26 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 141754

Ion Ratio Lower Upper

43 100

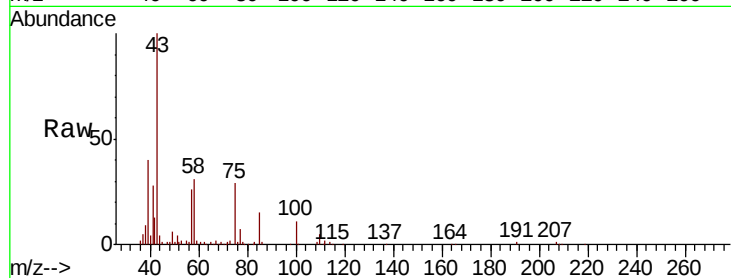
58 30.7 25.9 38.9

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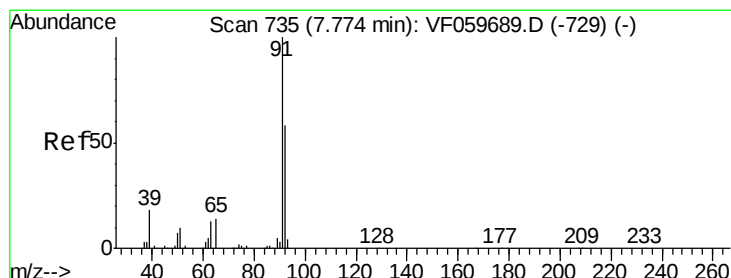
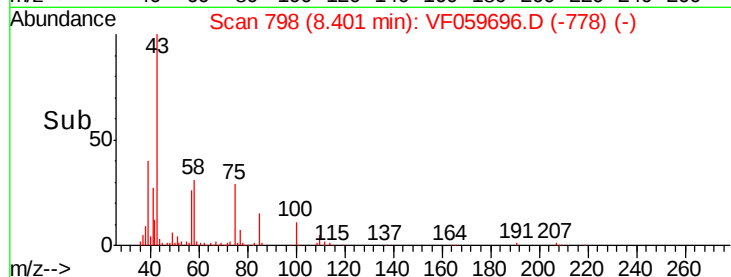
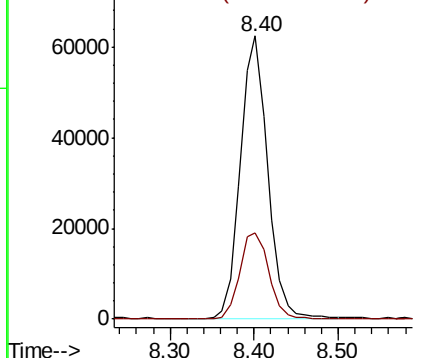
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.03 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059696.D

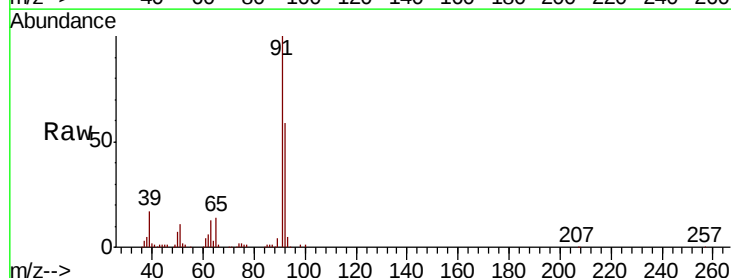
Acq: 30 Jul 2018 19:04

Tgt Ion: 92 Resp: 93850

Ion Ratio Lower Upper

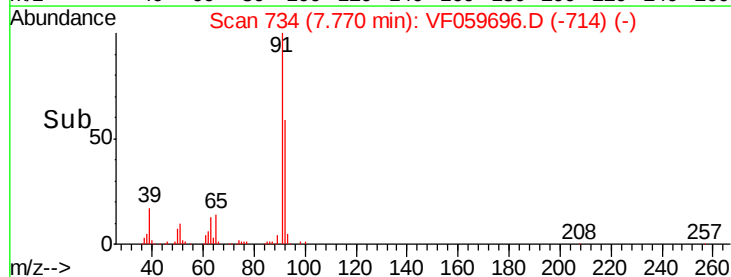
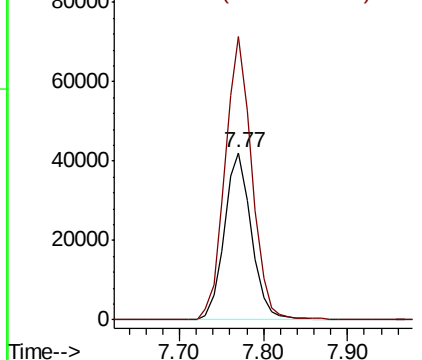
92 100

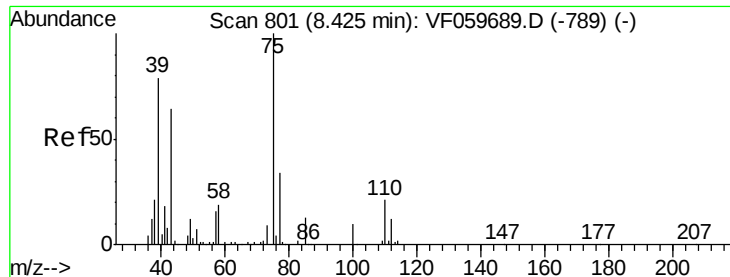
91 169.4 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 25.39 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tot Ion: 75 Resp: 75332

Ion Ratio Lower Upper

75 100

77 31.8 27.0 40.4

Instrument :

MSVOA_F

ClientSampleId :

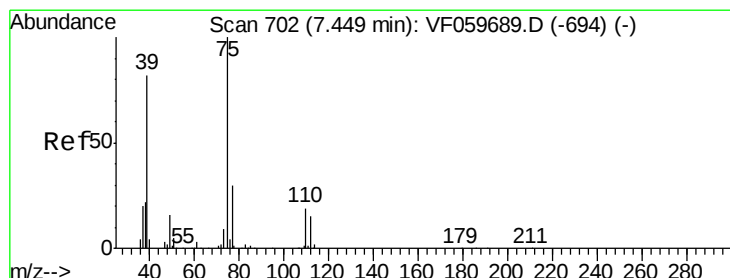
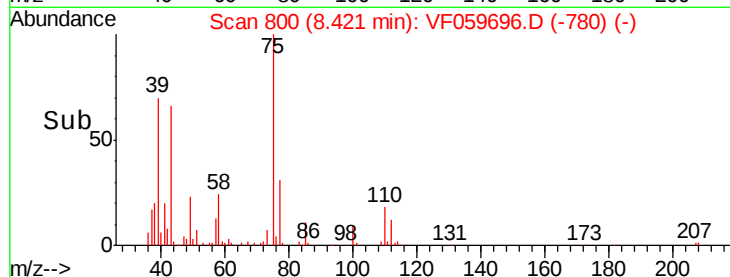
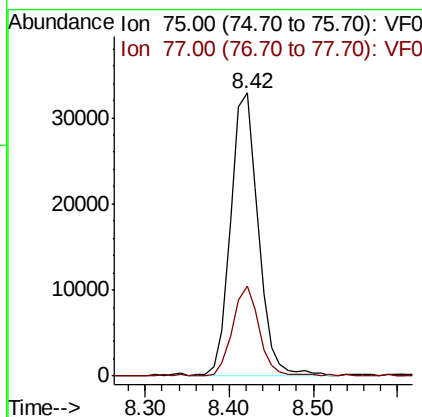
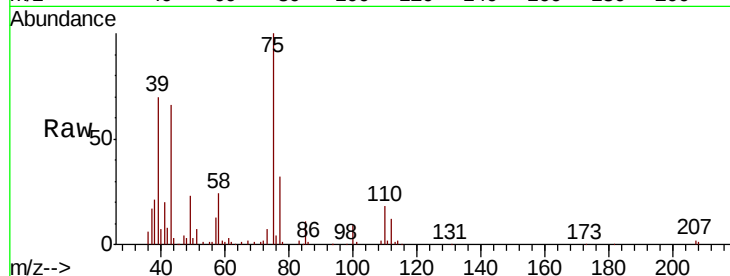
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 22.74 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

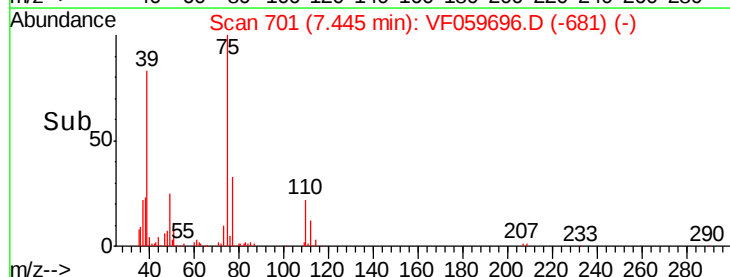
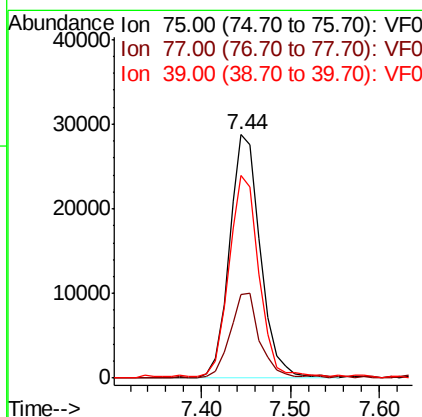
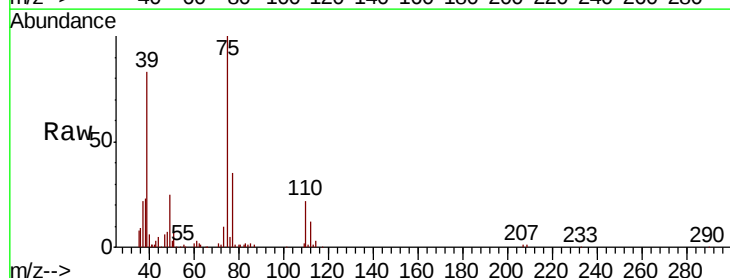
Tgt Ion: 75 Resp: 70005

Ion Ratio Lower Upper

75 100

77 34.5 24.0 36.0

39 83.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 24.02 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

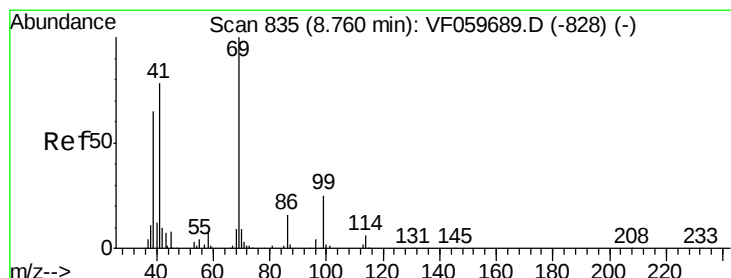
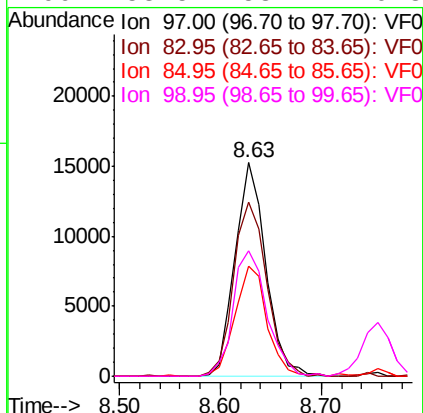
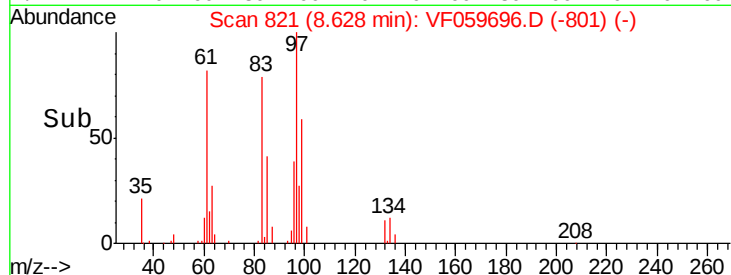
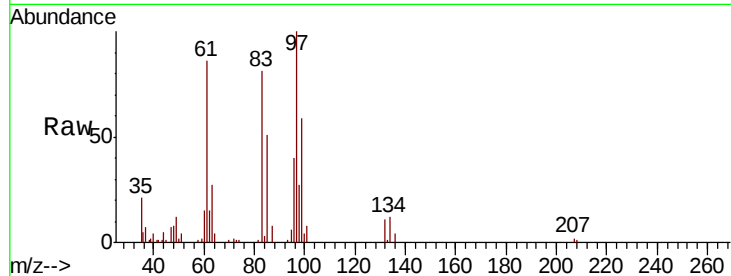
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	32508
Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.6	100.0
85	51.3	47.4	71.0
99	58.5	53.2	79.8

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#56

Ethyl methacrylate

Concen: 23.32 ug/l

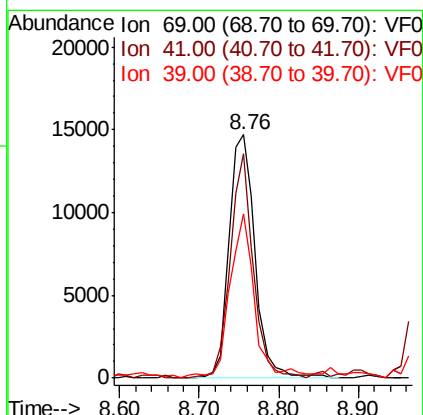
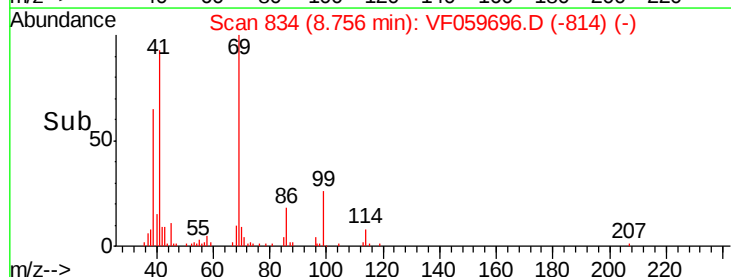
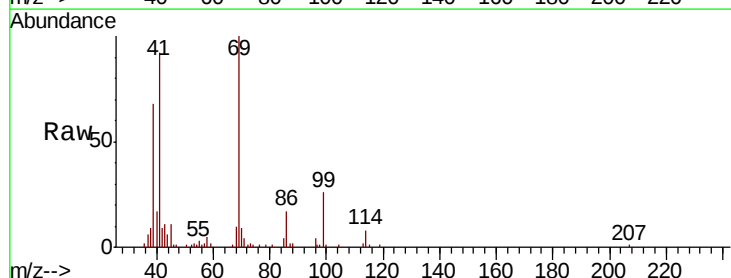
RT: 8.76 min Scan# 834

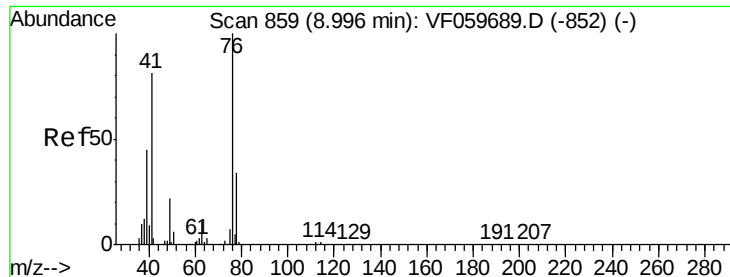
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	69	Resp:	33458
Ion	Ratio	Lower	Upper
69	100		
41	92.0	62.3	93.5
39	67.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 23.87 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 55867

Ion Ratio Lower Upper

76 100

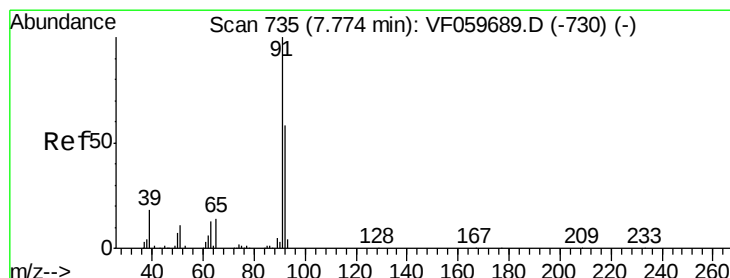
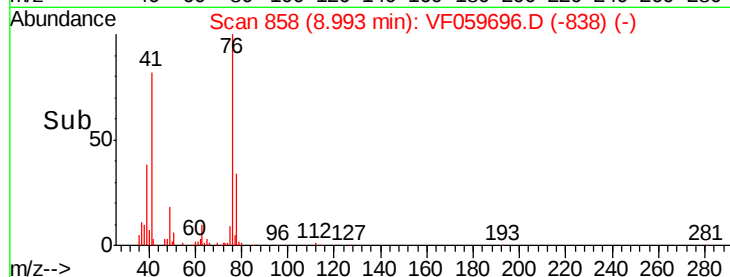
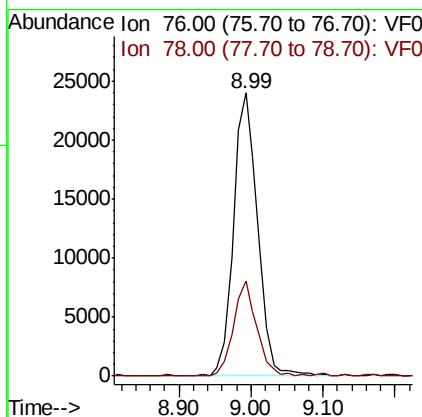
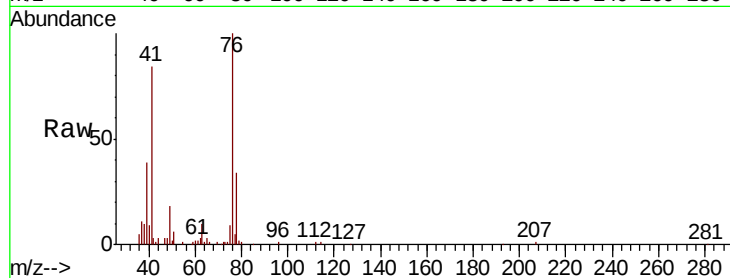
78 33.5 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 115.75 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059696.D

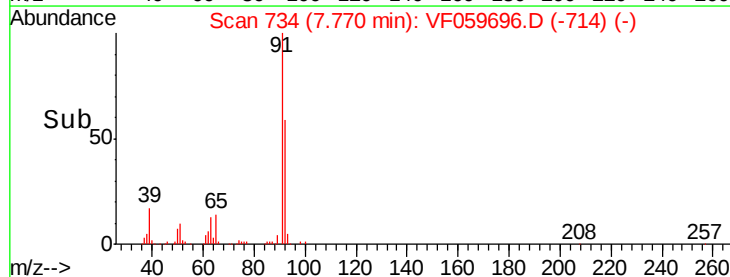
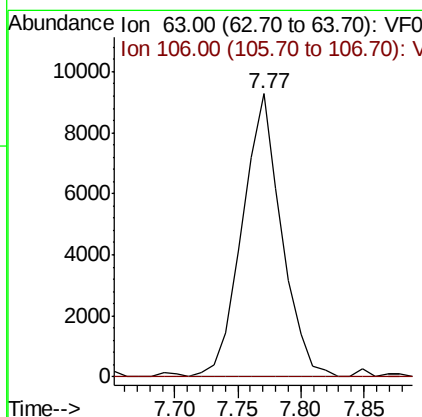
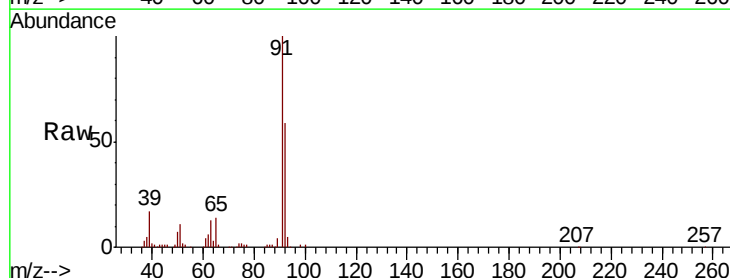
Acq: 30 Jul 2018 19:04

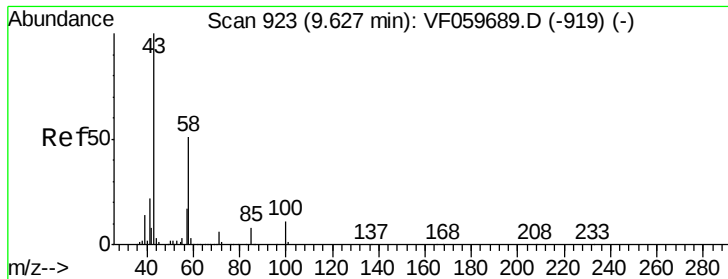
Tgt Ion: 63 Resp: 20053

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





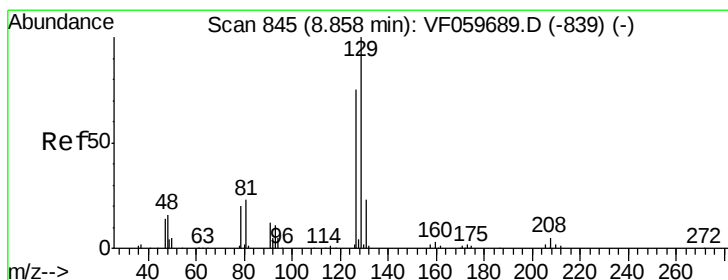
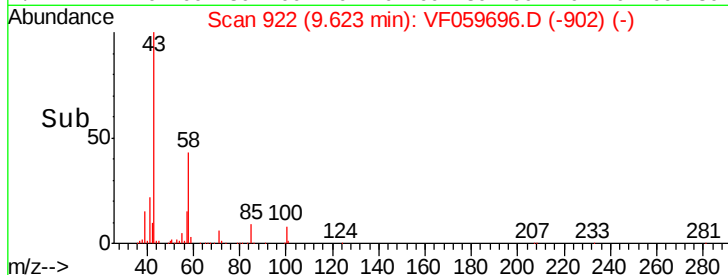
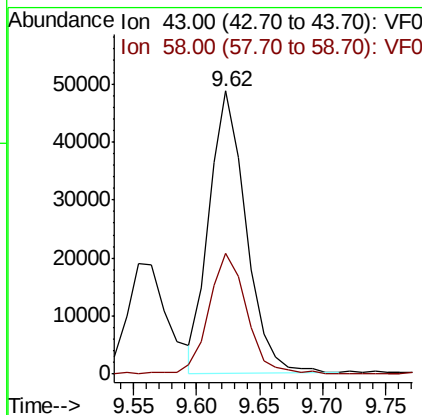
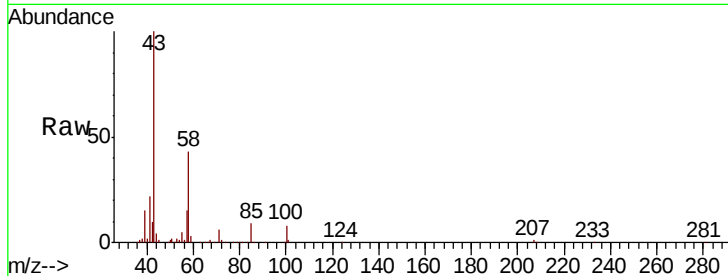
#59
2-Hexanone
Concen: 118.29 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 98507
Ion Ratio Lower Upper
43 100
58 42.9 23.3 69.8

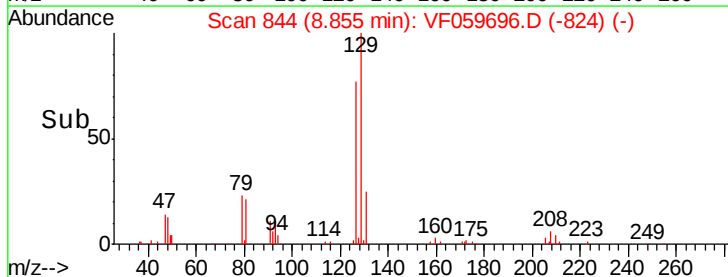
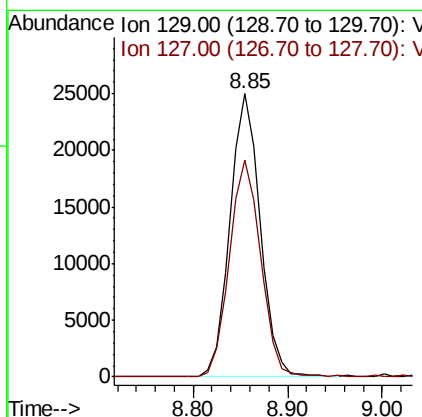
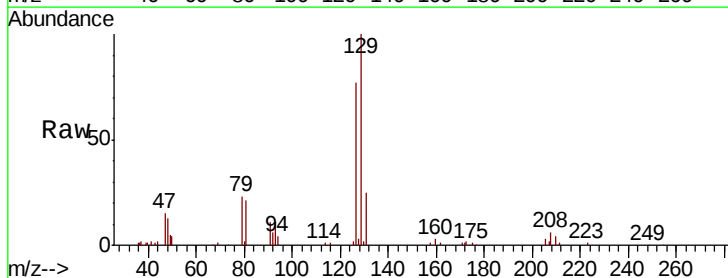
Manual Integrations
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#60
Dibromochloromethane
Concen: 22.66 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion: 129 Resp: 55316
Ion Ratio Lower Upper
129 100
127 76.7 37.7 113.1





#61

1,2-Dibromoethane

Concen: 23.08 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 37782

Ion Ratio Lower Upper

107 100

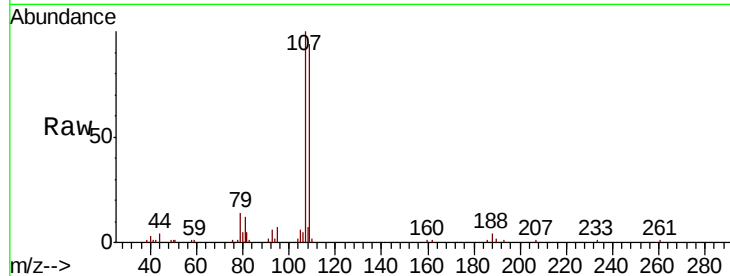
109 94.3 73.6 110.4

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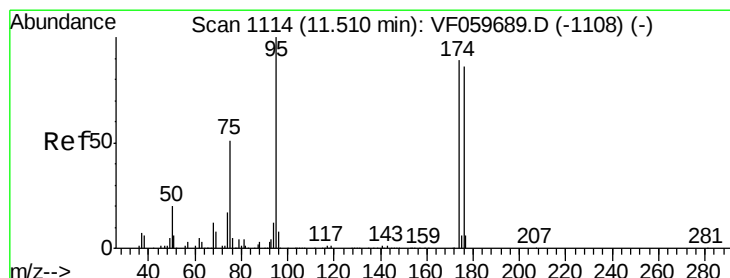
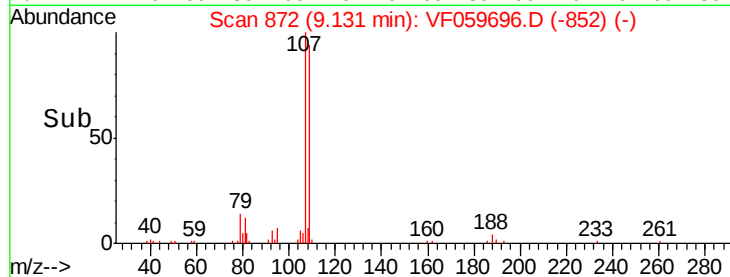
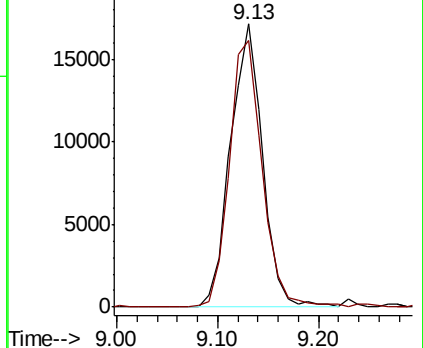
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 20.60 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

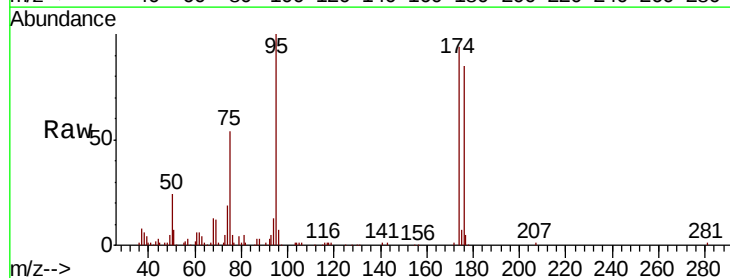
Tgt Ion: 95 Resp: 73455

Ion Ratio Lower Upper

95 100

174 94.3 0.0 178.4

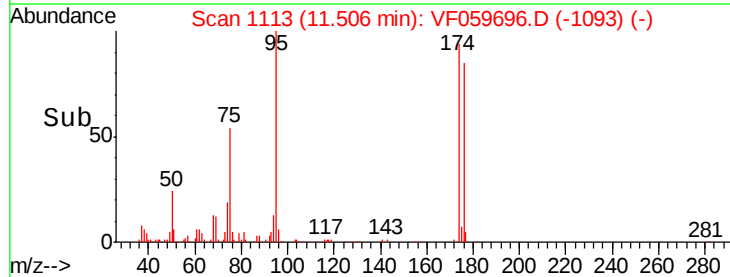
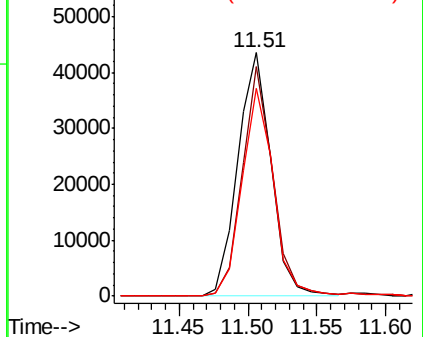
176 85.3 0.0 173.0

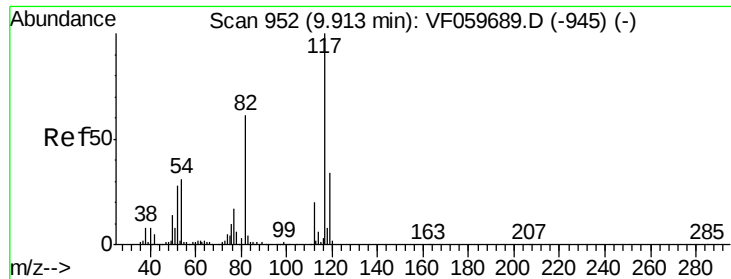


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





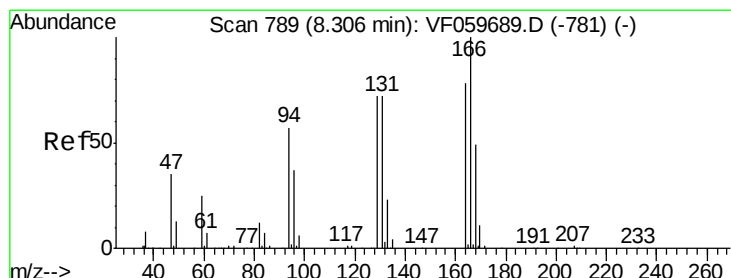
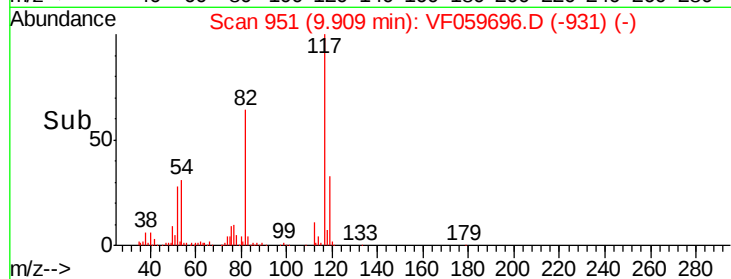
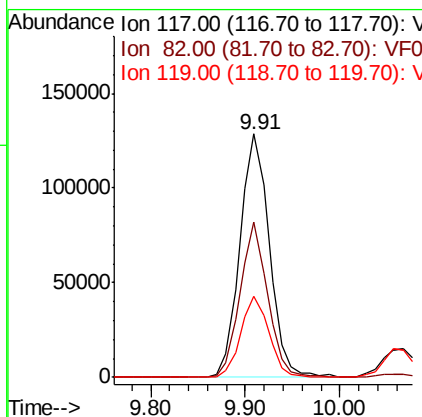
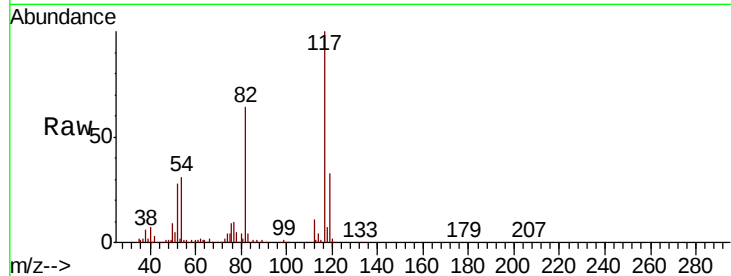
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	278582		
82	64.0	49.0	73.4	
119	33.3	27.3	40.9	

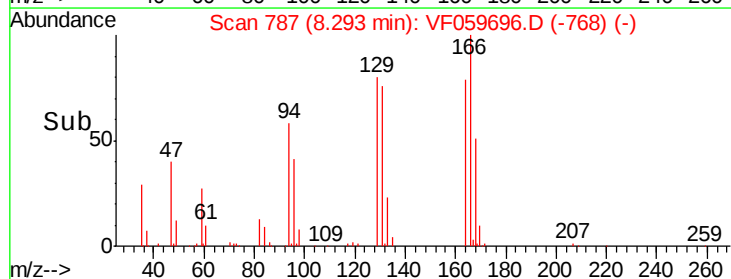
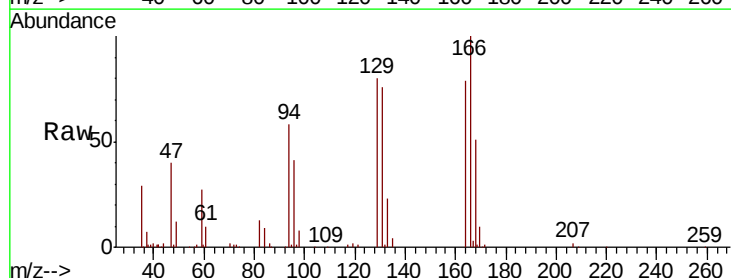
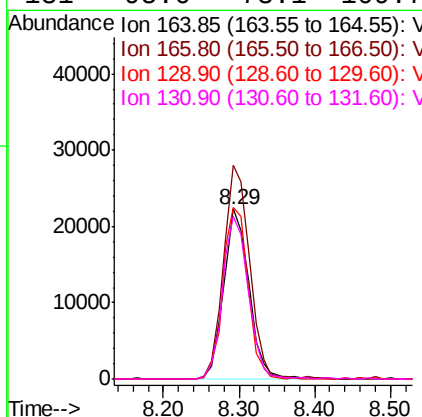
Manual Integrations
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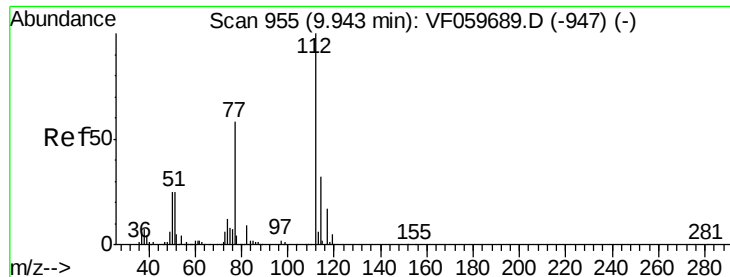
apatel
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#64
Tetrachloroethene
Concen: 23.36 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51856		
166	125.9	102.1	153.1	
129	100.9	73.8	110.6	
131	95.6	73.1	109.7	





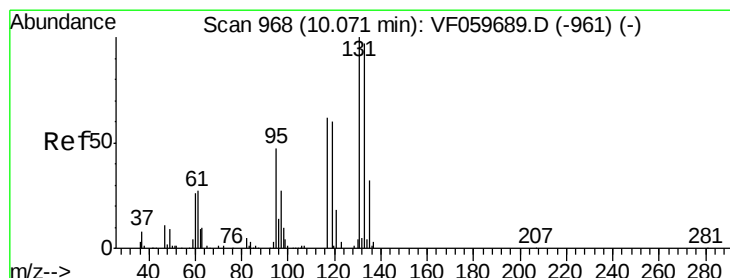
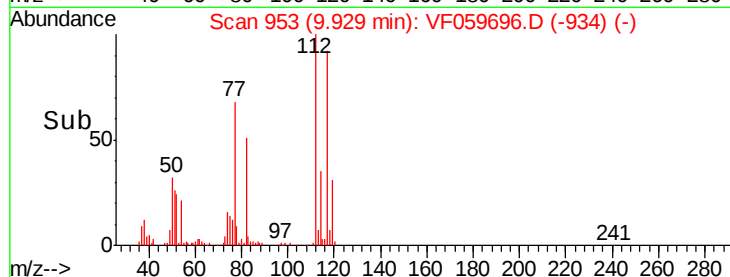
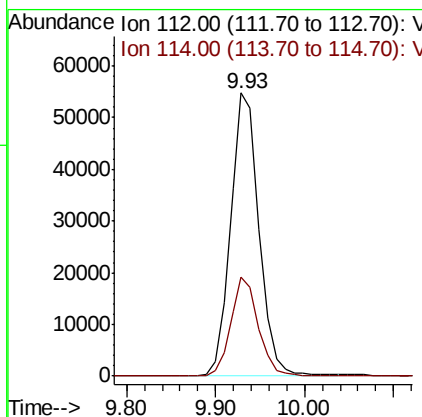
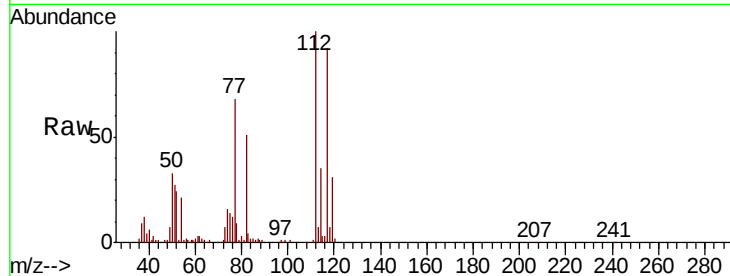
#65
Chlorobenzene
Concen: 22.64 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.8	25.6	38.4

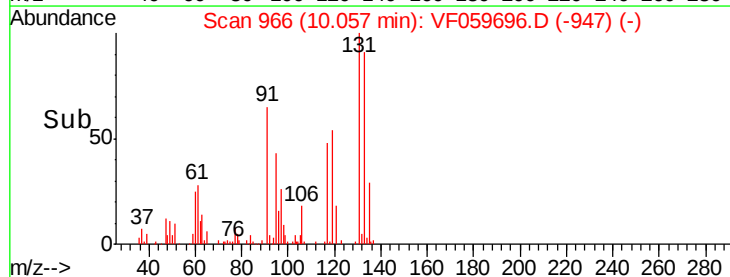
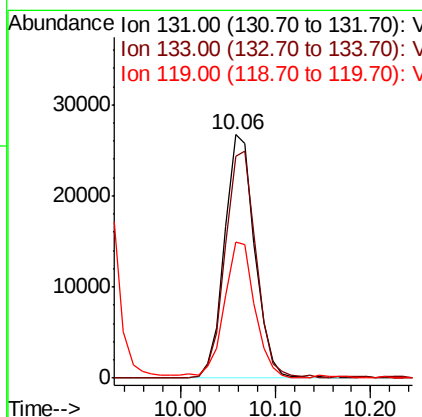
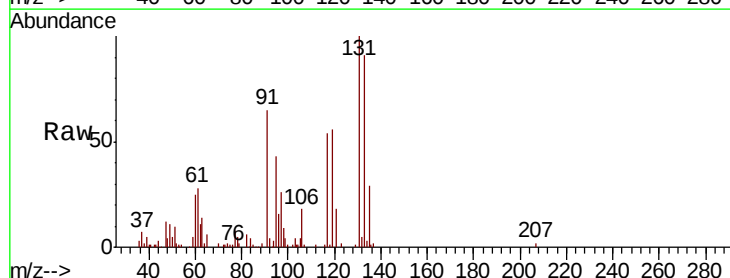
Manual Integrations
APPROVED

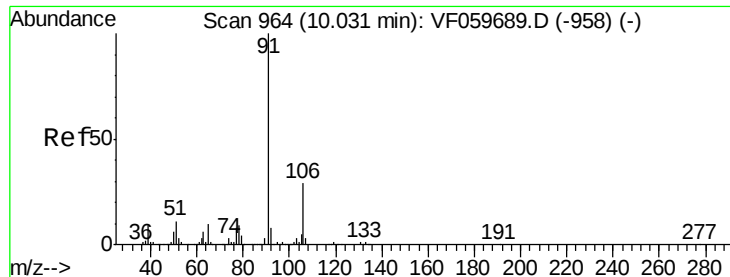
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.80 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.0	48.5	145.5
119	56.1	30.3	90.8





#67

Ethyl Benzene

Concen: 22.07 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 216662

Ion Ratio Lower Upper

91 100

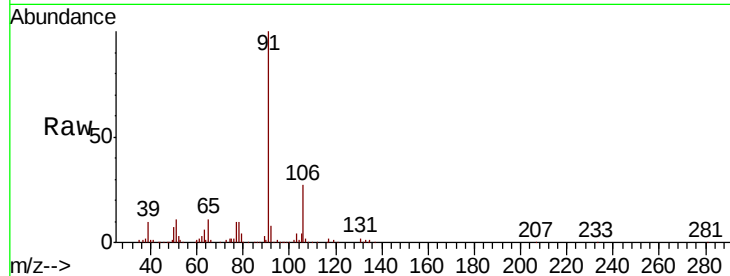
106 26.8 22.9 34.3

Manual Integrations

APPROVED

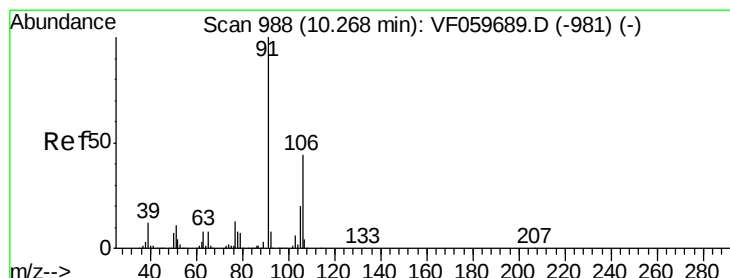
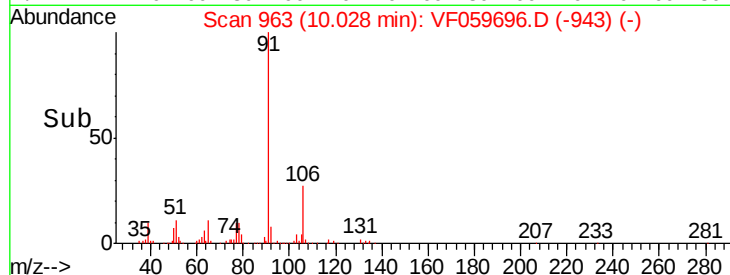
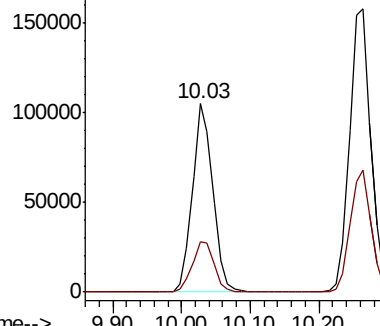
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.38 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059696.D

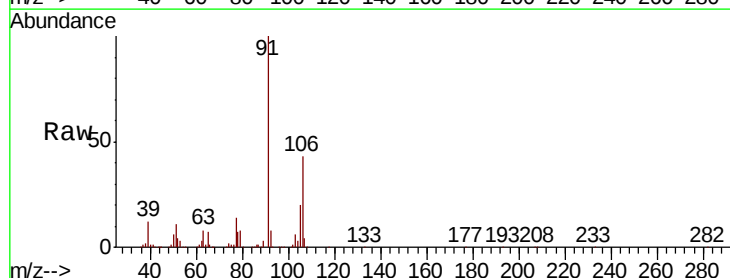
Acq: 30 Jul 2018 19:04

Tgt Ion: 106 Resp: 147351

Ion Ratio Lower Upper

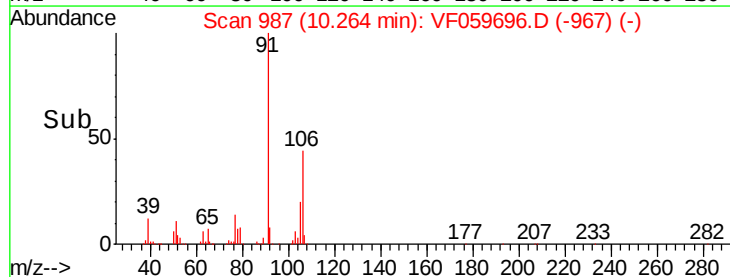
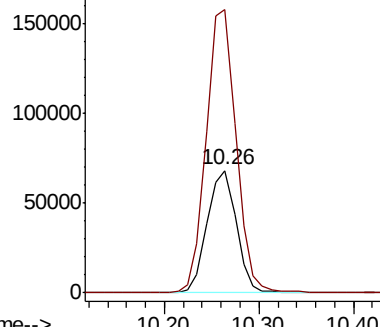
106 100

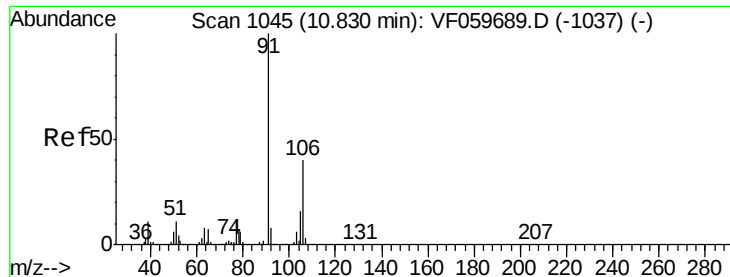
91 231.6 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





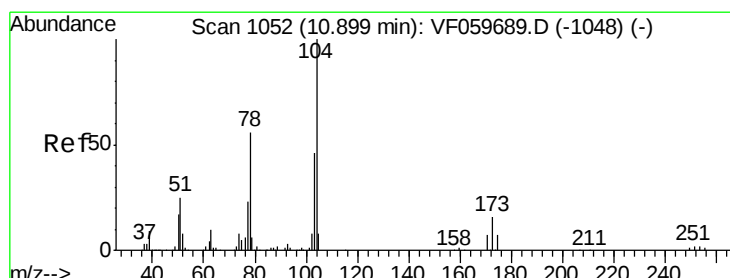
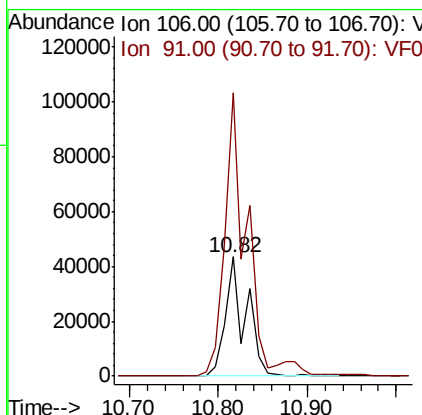
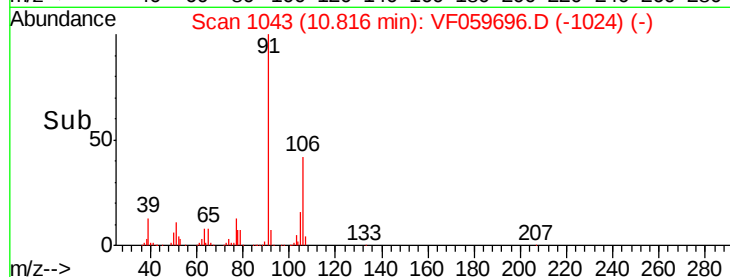
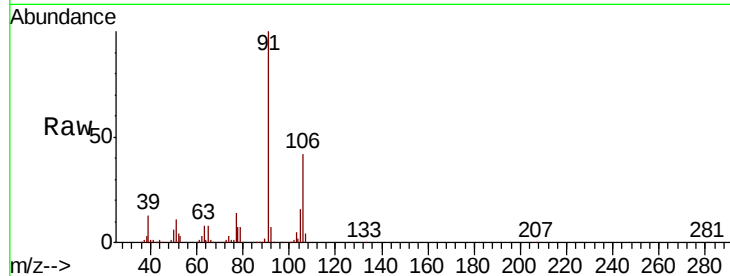
#69
o-Xylene
Concen: 19.51 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 71551
Ion Ratio Lower Upper
106 100
91 237.0 124.6 373.7

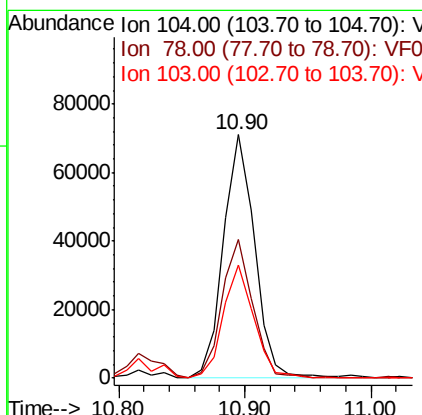
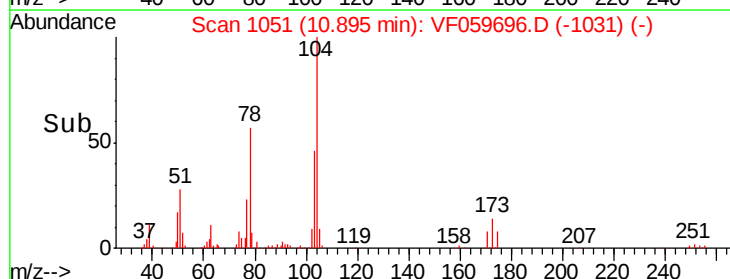
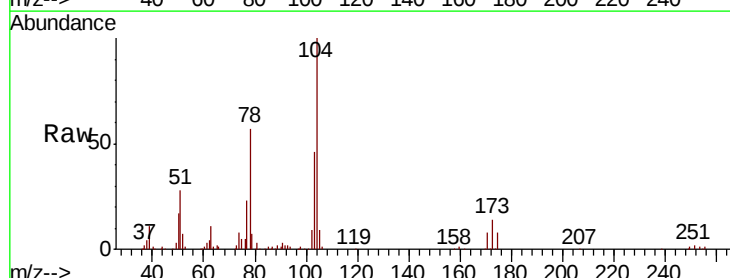
Manual Integrations
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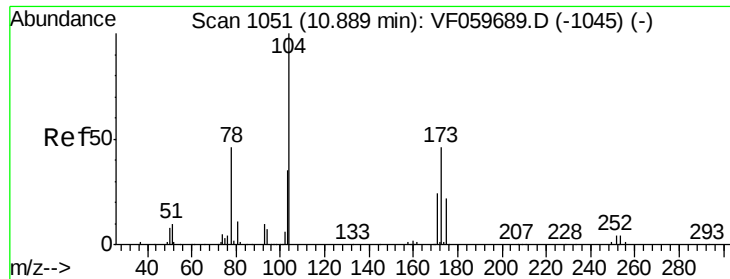
apatel
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#70
Styrene
Concen: 22.67 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion:104 Resp: 120965
Ion Ratio Lower Upper
104 100
78 56.8 45.3 67.9
103 46.3 36.6 54.8





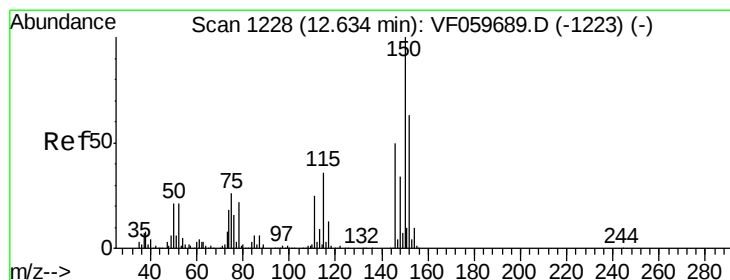
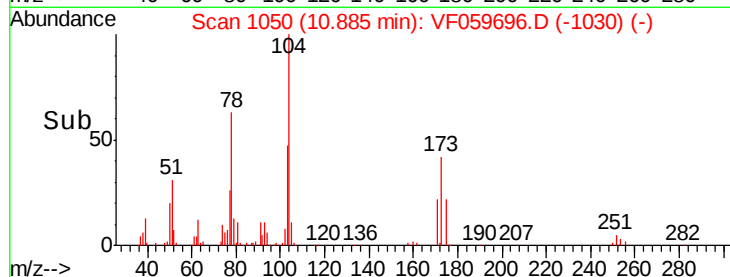
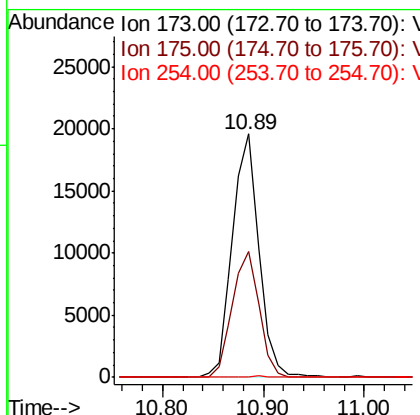
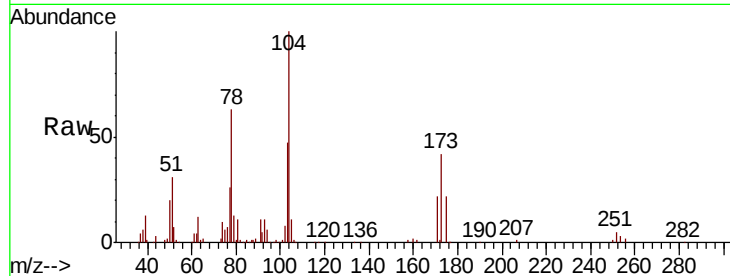
#71
Bromoform
Concen: 23.35 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	23.4	70.0
254	0.0	0.0	0.0

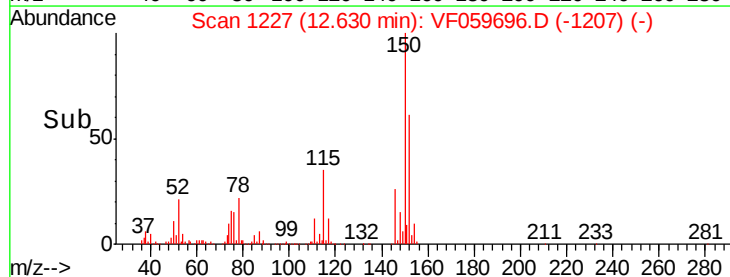
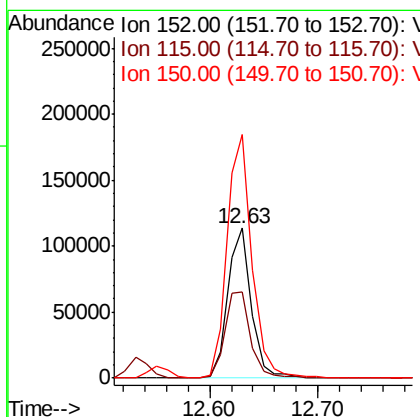
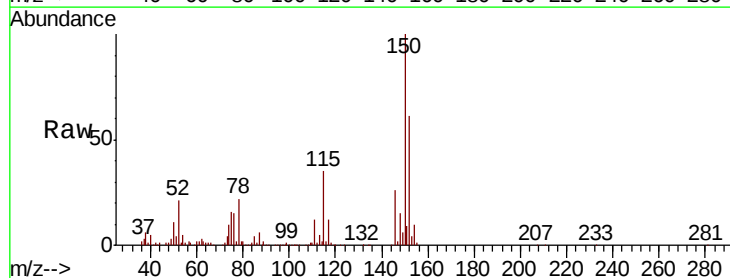
Manual Integrations
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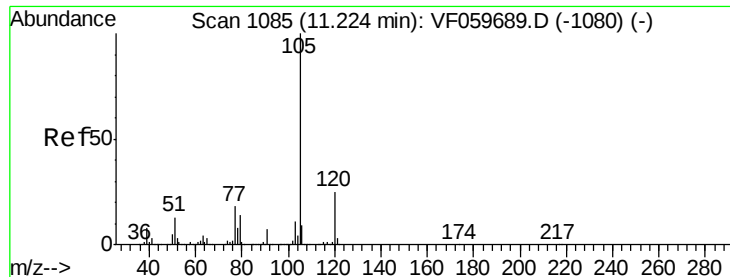
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.2	84.6
150	162.6	0.0	316.2





#73

Isopropylbenzene

Concen: 22.25 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 262234

Ion Ratio Lower Upper

105 100

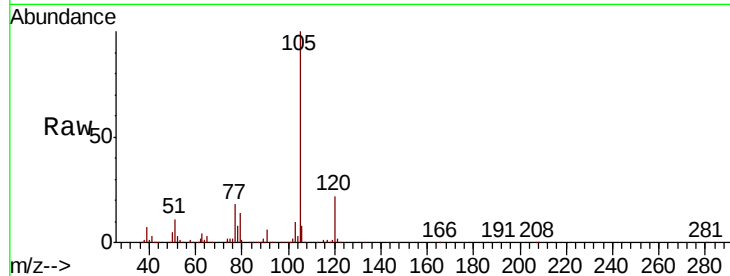
120 21.9 12.4 37.4

Manual Integrations

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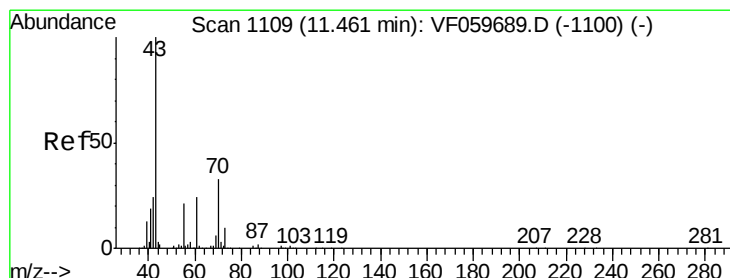
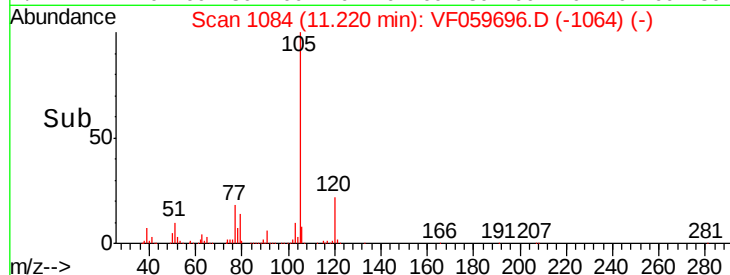
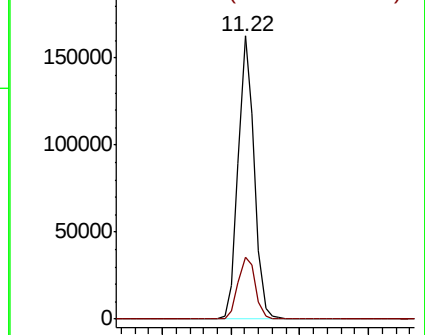
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.94 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion: 43 Resp: 55411

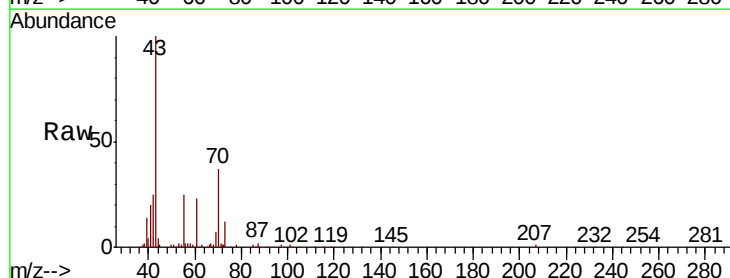
Ion Ratio Lower Upper

43 100

70 37.3 26.3 39.5

55 25.2 16.6 25.0#

61 22.7 19.1 28.7

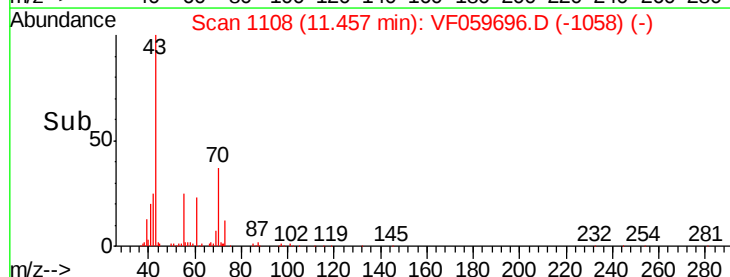
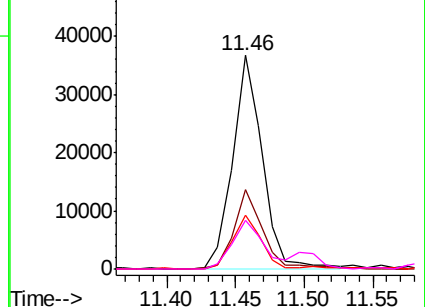


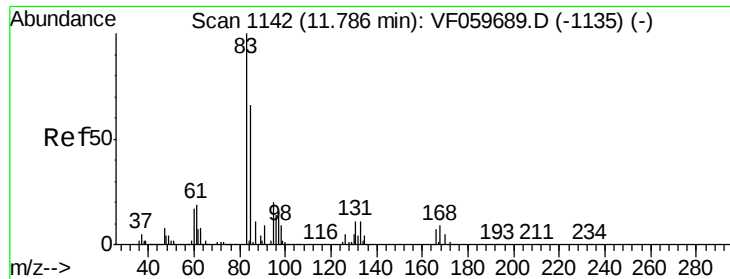
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.04 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

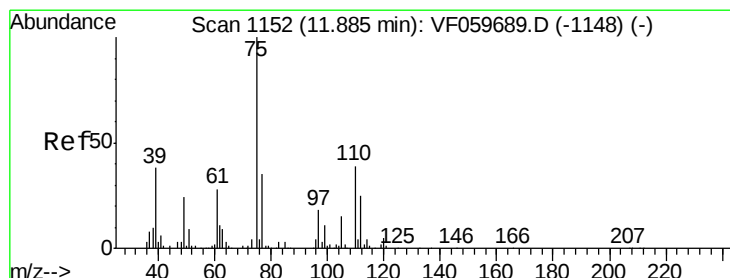
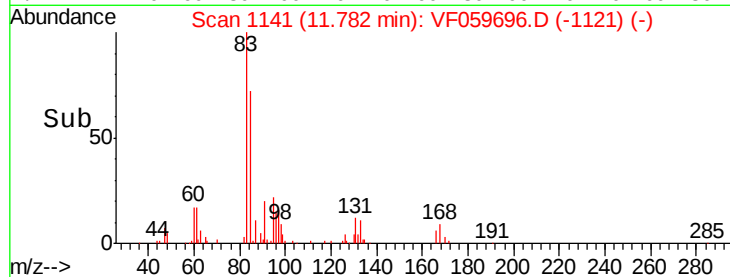
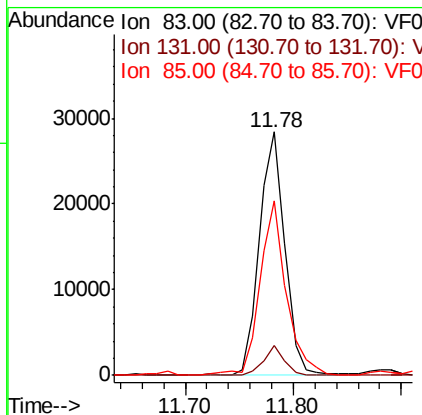
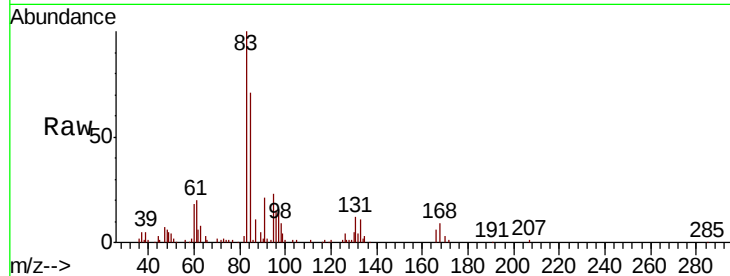
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	46534
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.8	17.3
85	71.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.85 ug/l

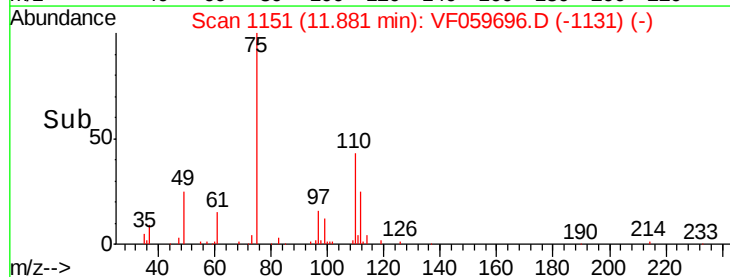
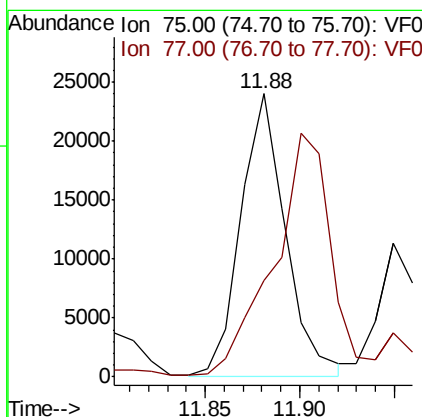
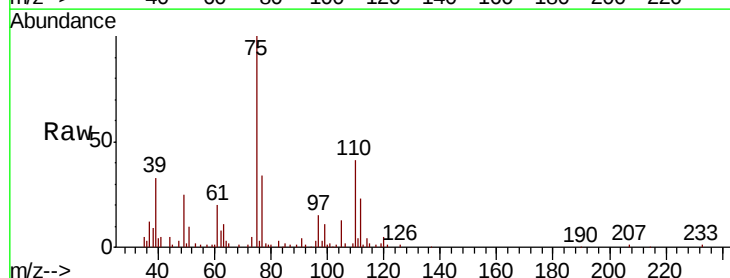
RT: 11.88 min Scan# 1151

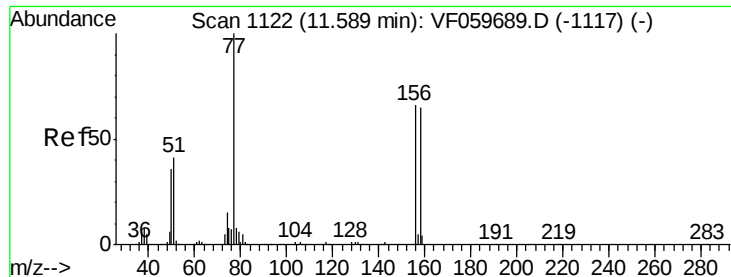
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion:	75	Resp:	39513
Ion Ratio	Lower	Upper	
75	100		
77	34.3	18.0	54.0





#77

Bromobenzene

Concen: 24.06 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

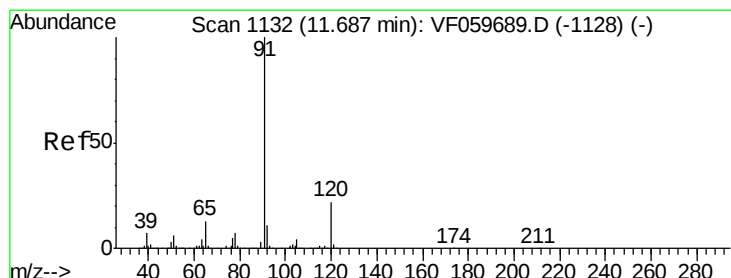
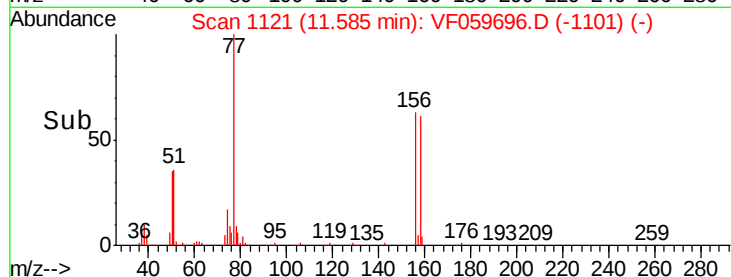
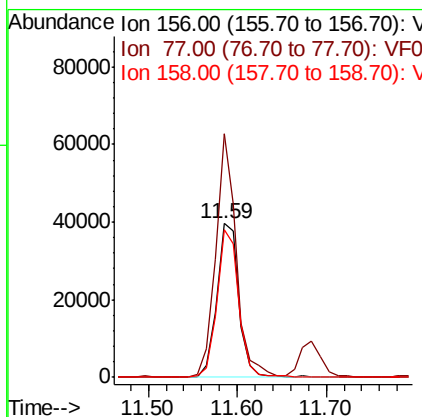
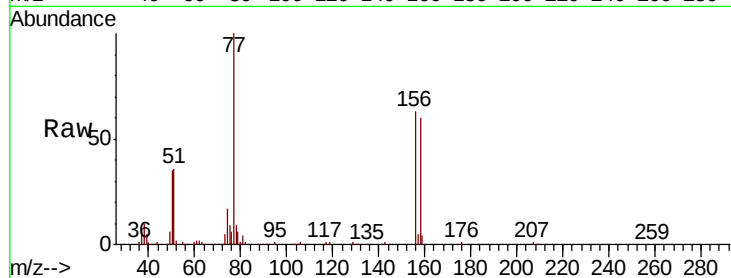
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	158.5	75.2	225.6	
158	95.8	49.1	147.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 22.88 ug/l

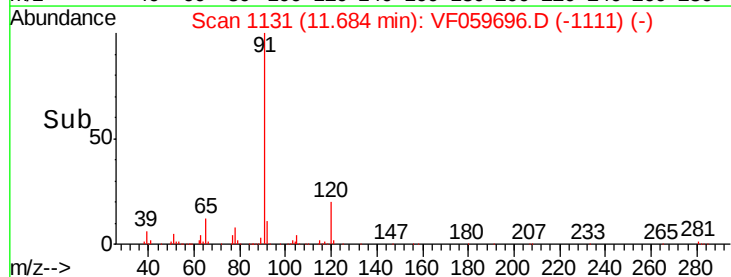
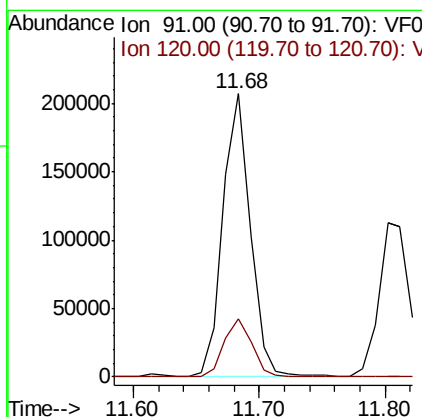
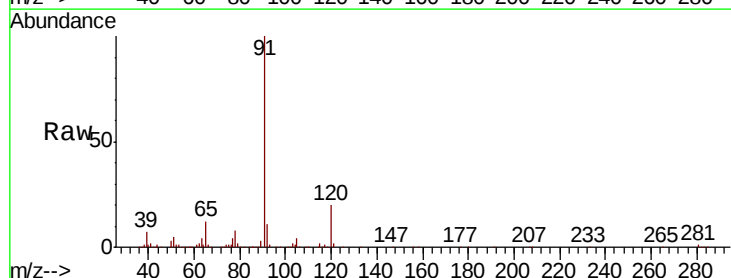
RT: 11.68 min Scan# 1131

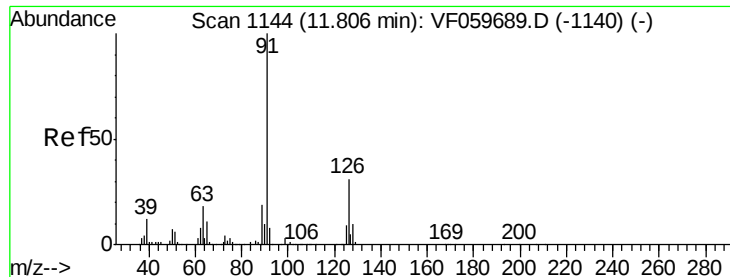
Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.4	11.0	33.0	





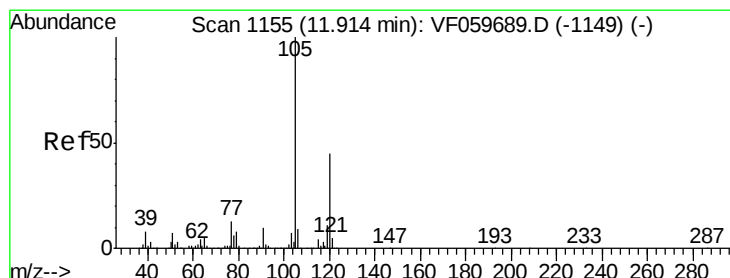
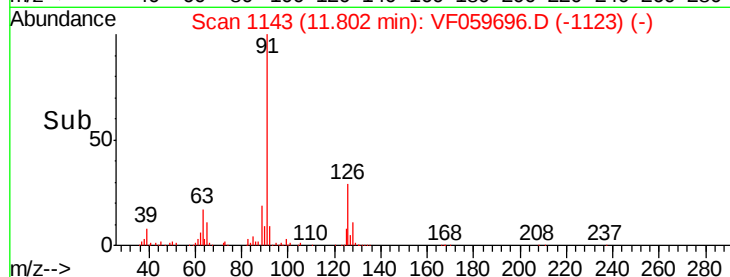
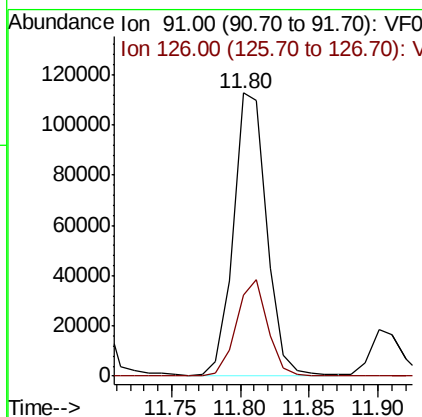
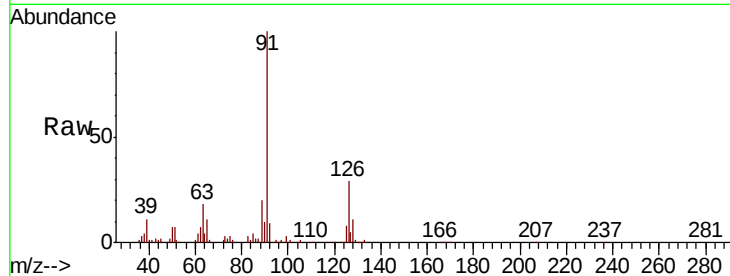
#79
 2-Chlorotoluene
 Concen: 22.78 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.8	15.4	46.2

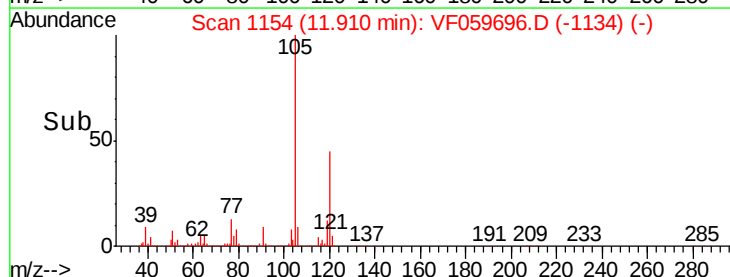
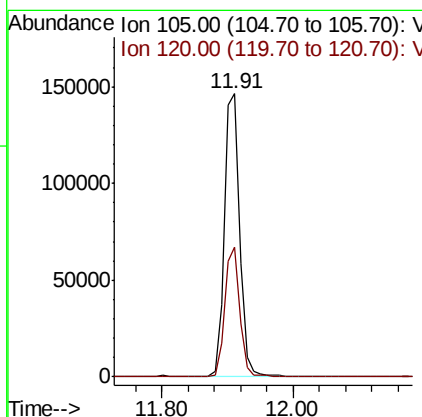
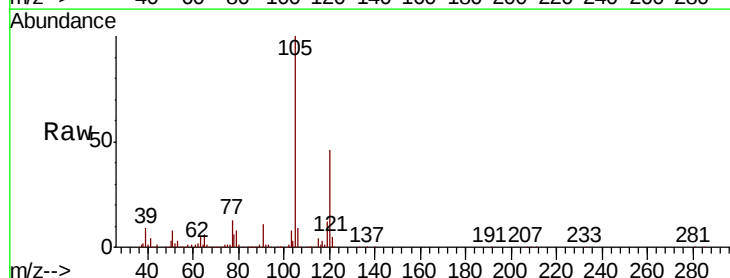
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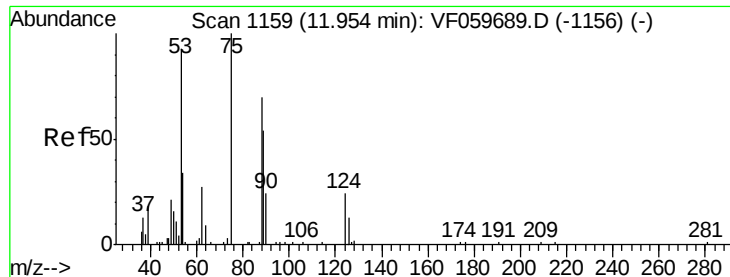
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.17 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.67 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059696.D

Acq: 30 Jul 2018 19:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 17062

Ion Ratio Lower Upper

75 100

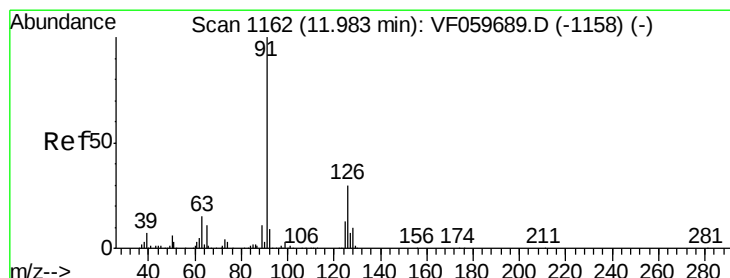
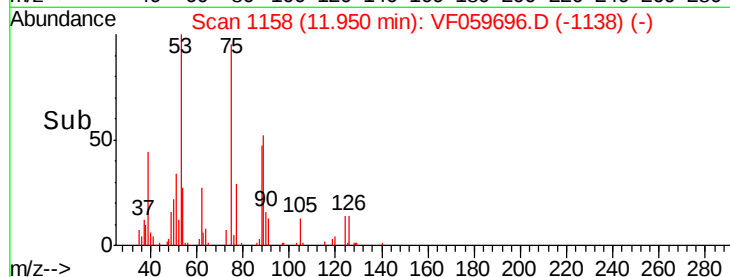
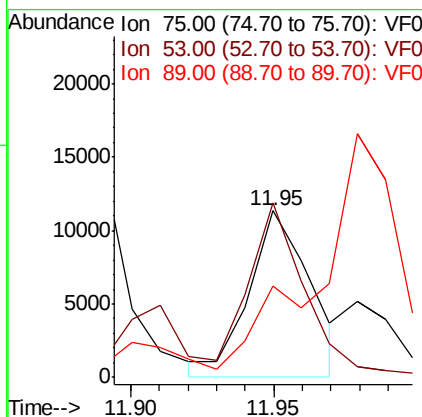
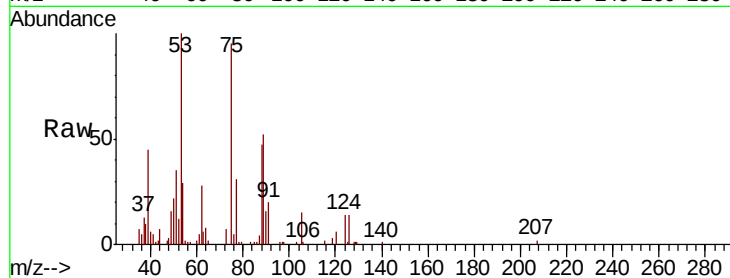
53 105.0 78.3 117.5

89 54.7 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.12 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059696.D

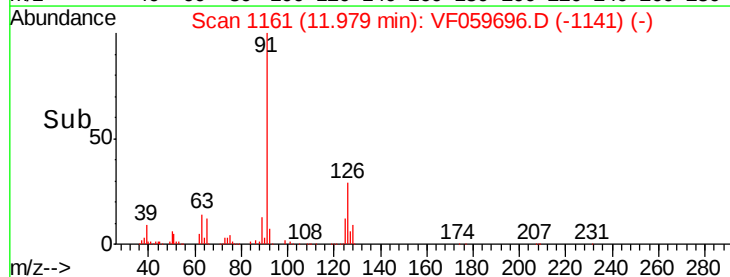
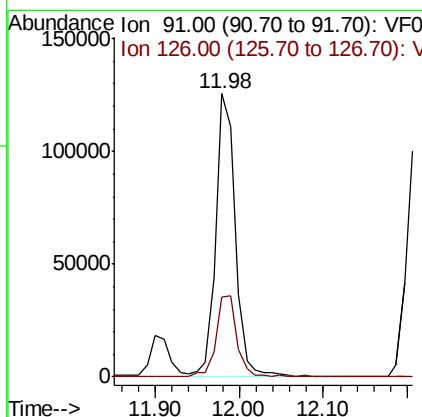
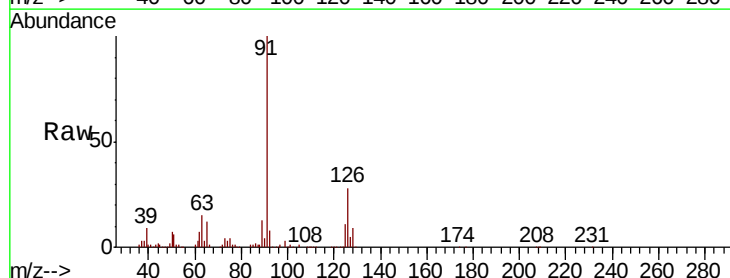
Acq: 30 Jul 2018 19:04

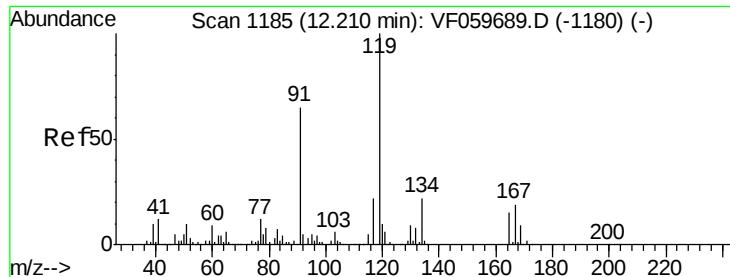
Tgt Ion: 91 Resp: 201331

Ion Ratio Lower Upper

91 100

126 28.4 15.2 45.6





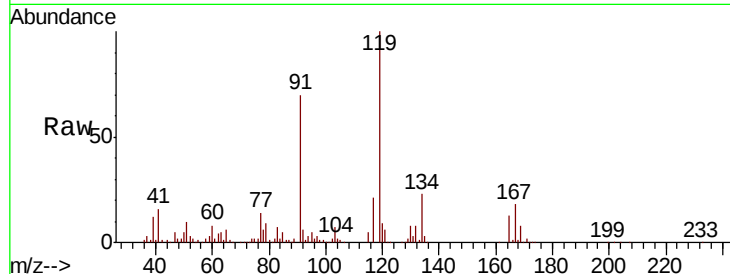
#83
tert-Butylbenzene
Concen: 22.37 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233910		
91	69.6	32.8	98.4	
134	22.7	10.9	32.7	

Manual Integrations
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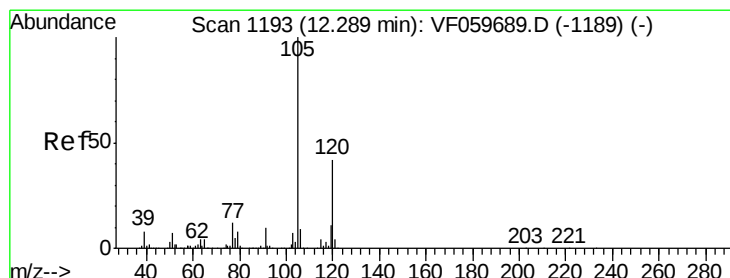
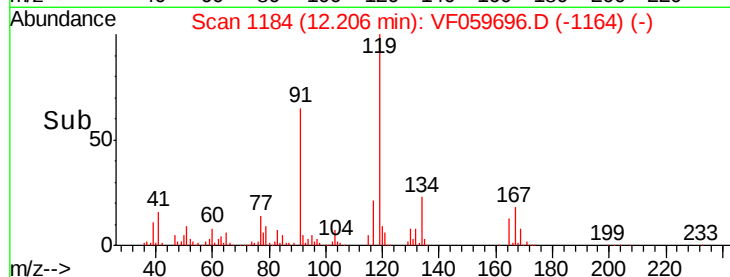
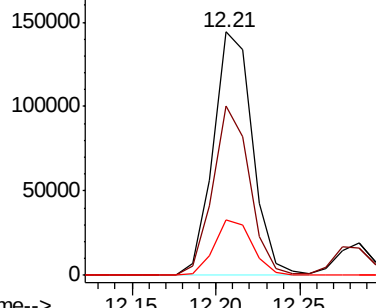


Abundance

Ion 119.00 (118.70 to 119.70): V

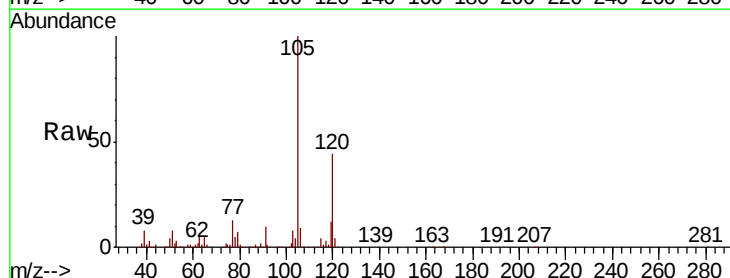
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 22.24 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

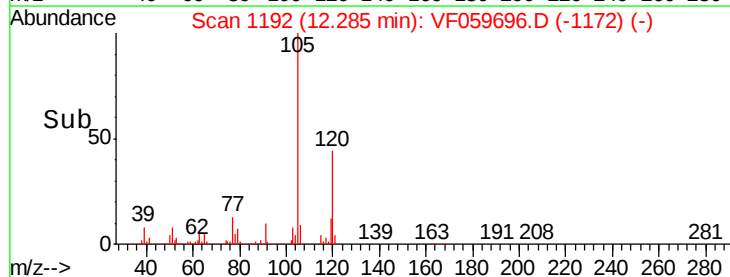
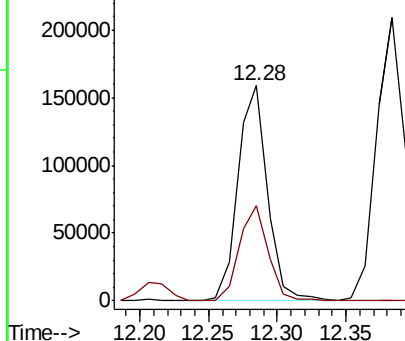
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236438		
120	44.0	21.1	63.3	

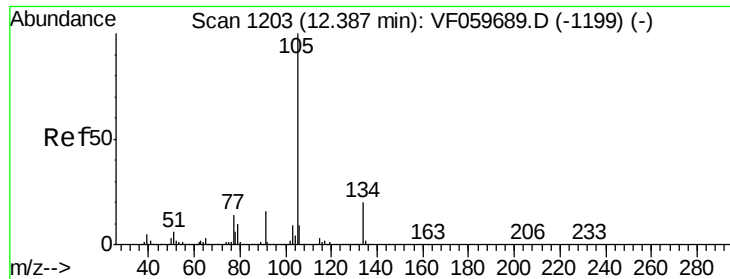


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





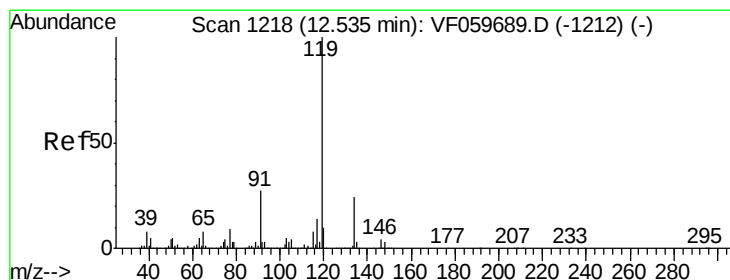
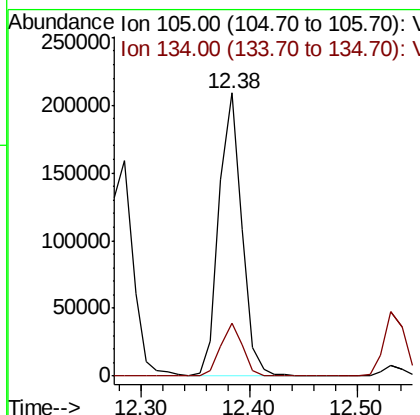
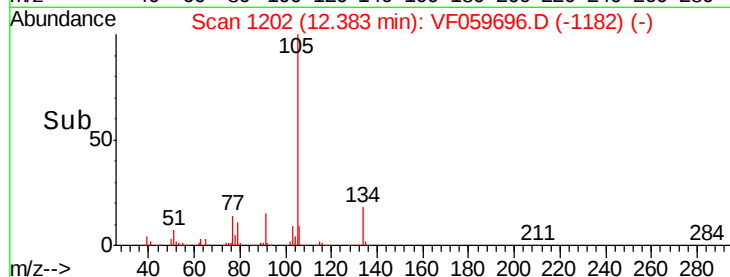
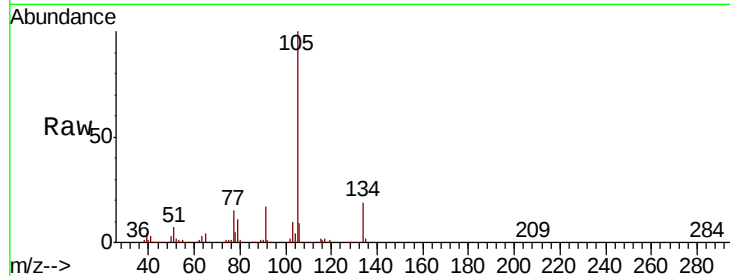
#85
 sec-Butylbenzene
 Concen: 22.27 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	306349		
134	18.8	9.8	29.3	

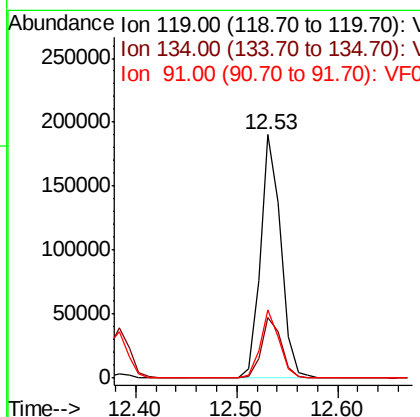
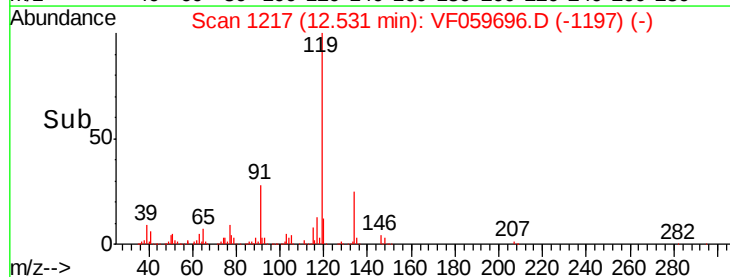
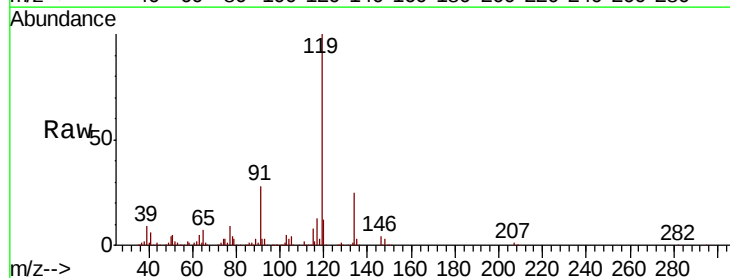
Manual Integrations
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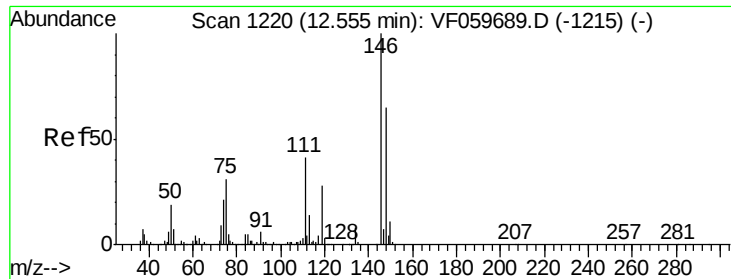
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#86
 p-Isopropyltoluene
 Concen: 22.64 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	267821		
134	25.0	12.2	36.6	
91	28.2	13.4	40.2	





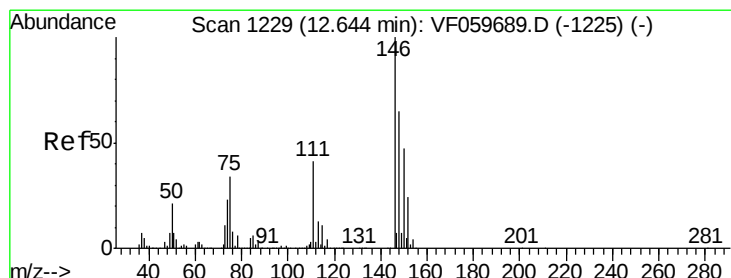
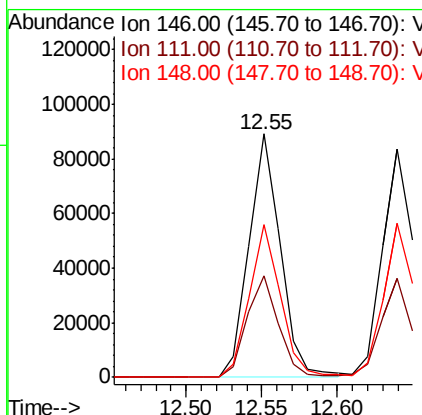
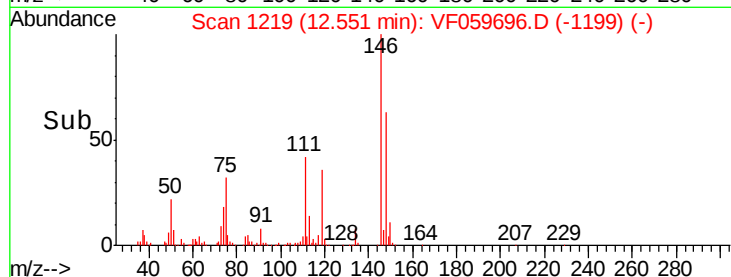
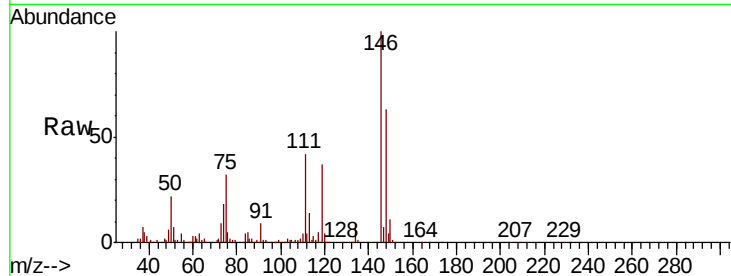
#87
 1,3-Dichlorobenzene
 Concen: 23.24 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	62.8	32.3	96.8

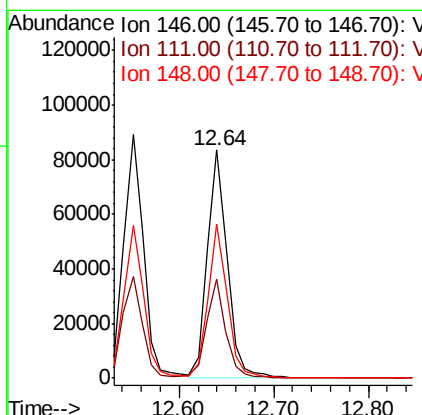
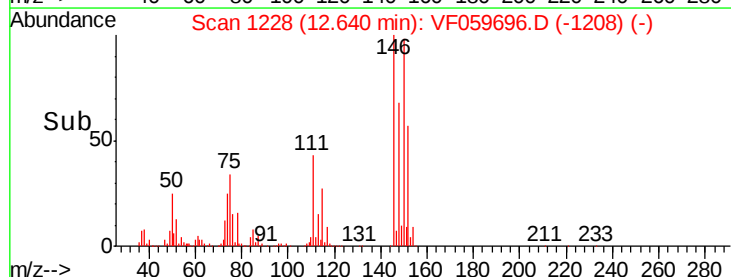
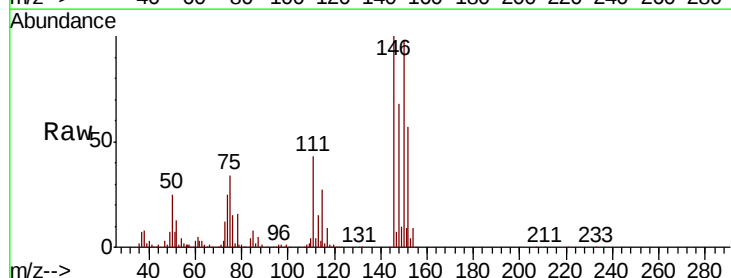
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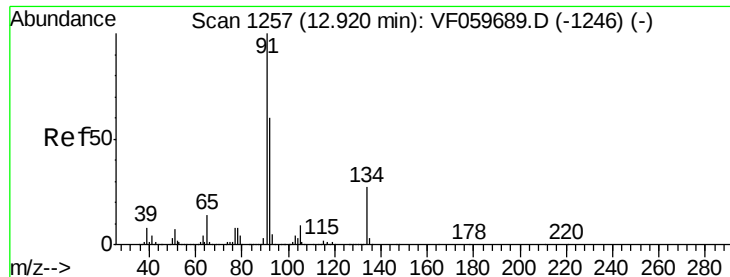
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#88
 1,4-Dichlorobenzene
 Concen: 23.46 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.8	62.2
148	67.6	32.3	96.9





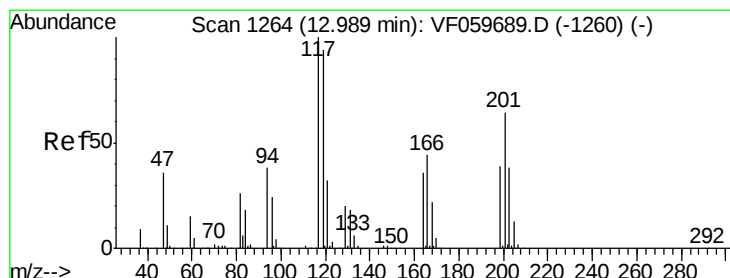
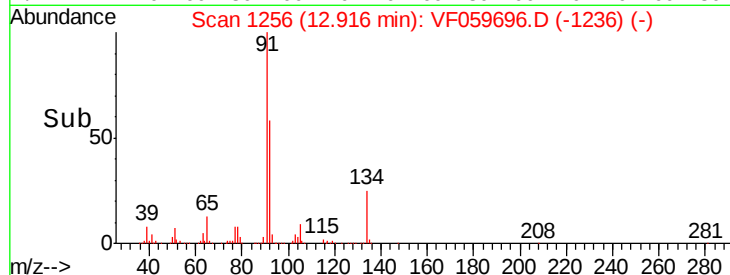
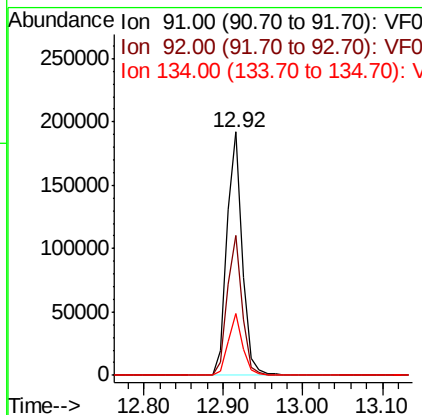
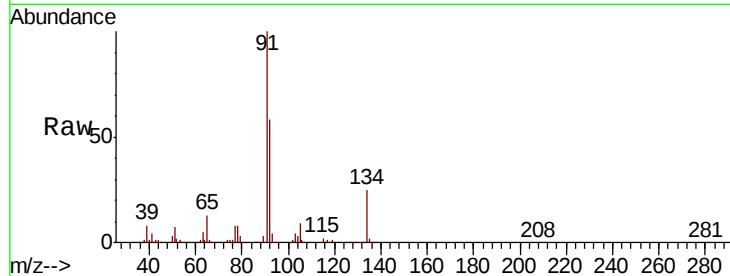
#89
n-Butylbenzene
Concen: 22.81 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	30.1	90.3
134	25.2	13.7	41.0

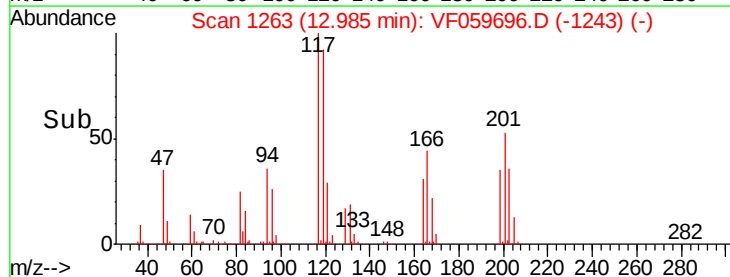
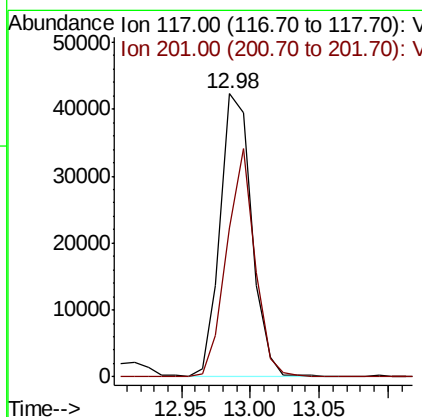
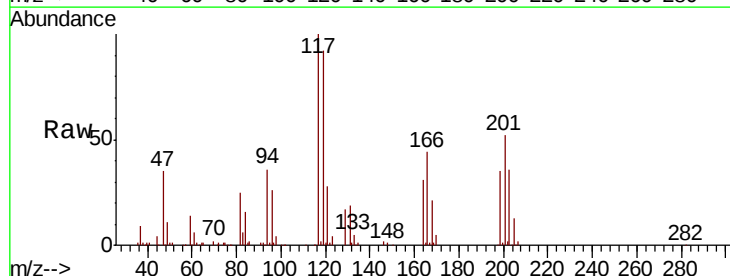
Manual Integrations
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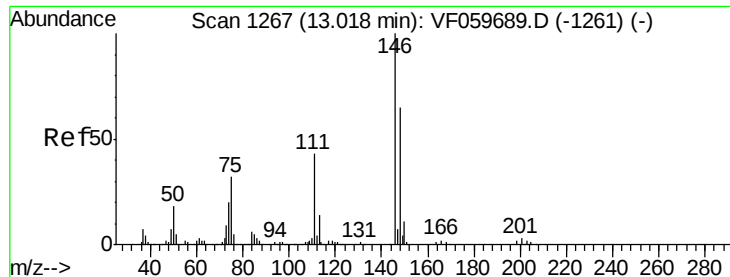
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#90
Hexachloroethane
Concen: 22.38 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.4	31.9	95.5





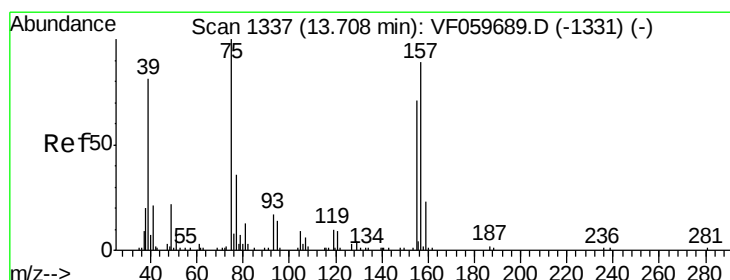
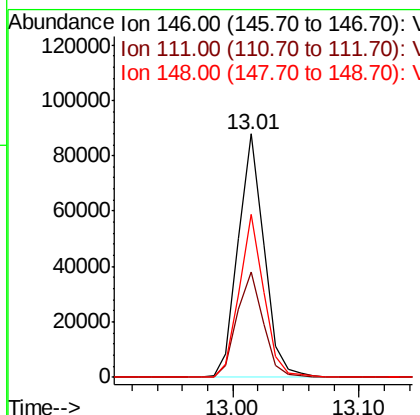
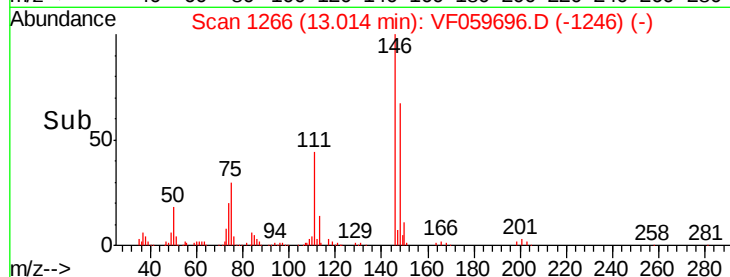
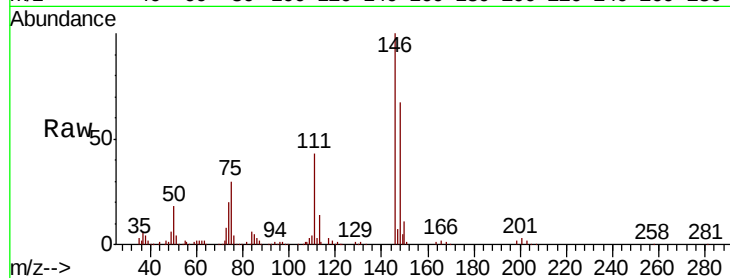
#91
 1,2-Dichlorobenzene
 Concen: 24.15 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	66.9	32.3	96.9

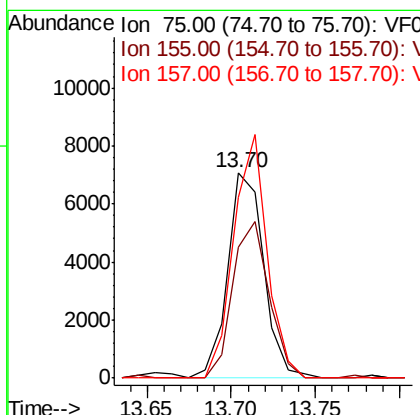
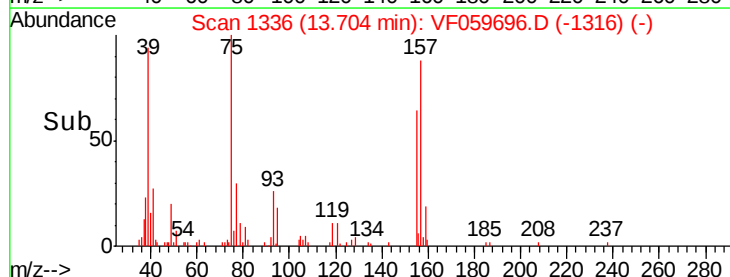
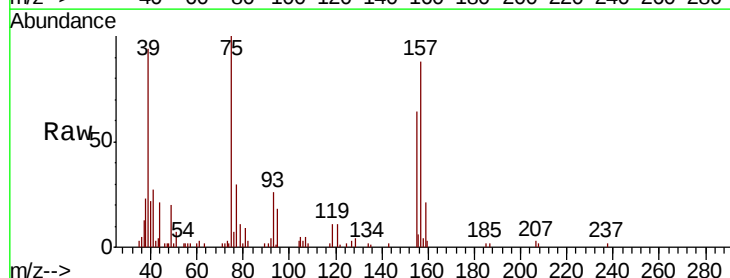
Manual Integrations
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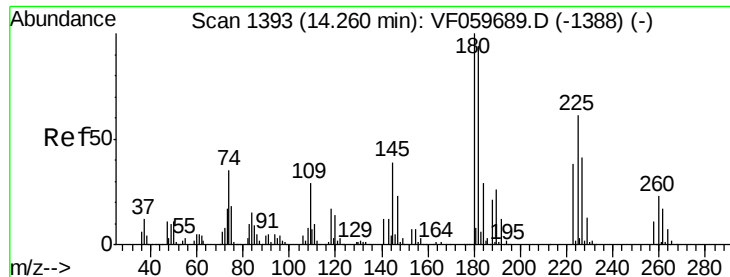
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.26 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.6	35.4	106.2
157	87.7	44.4	133.2





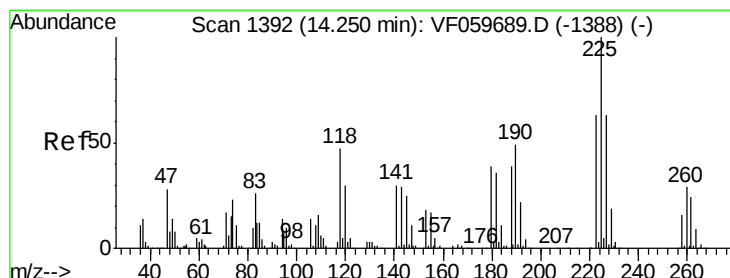
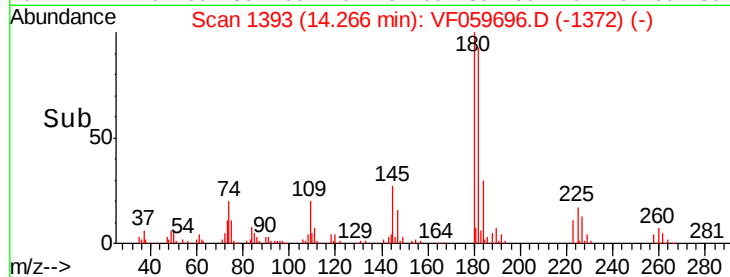
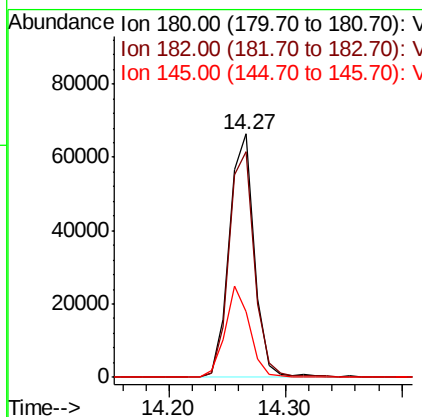
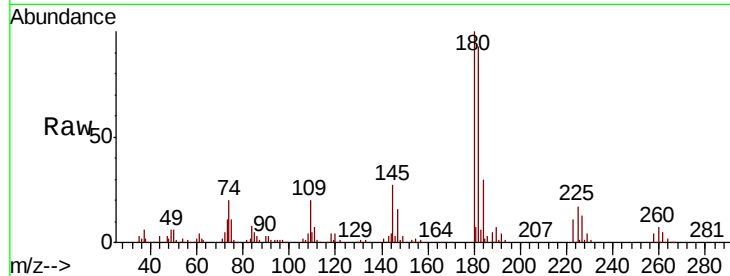
#93
 1,2,4-Trichlorobenzene
 Concen: 23.84 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.2	141.6
145	27.0	19.3	57.9

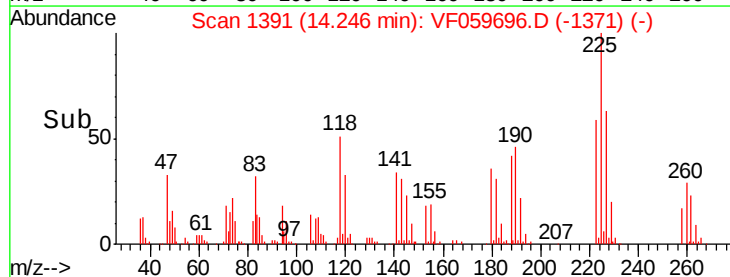
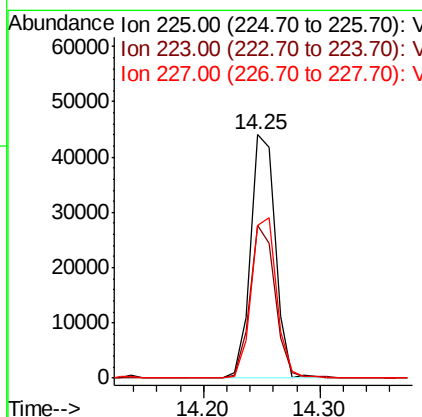
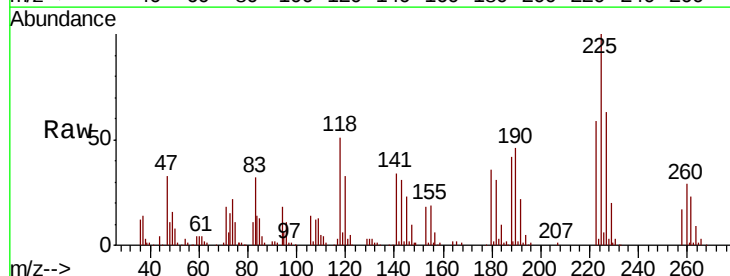
Manual Integrations
 APPROVED

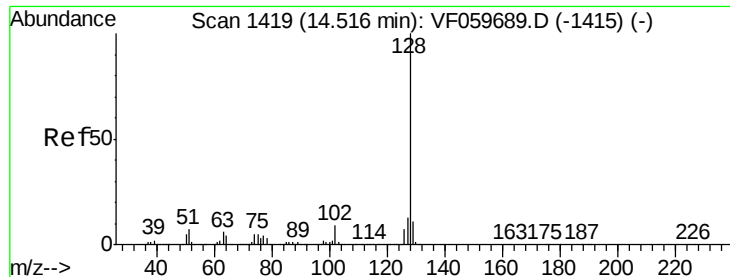
apatel
 7/31/2018 12:13:13 PM



#94
 Hexachlorobutadiene
 Concen: 21.29 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF059696.D
 Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.2
227	63.0	31.5	94.5





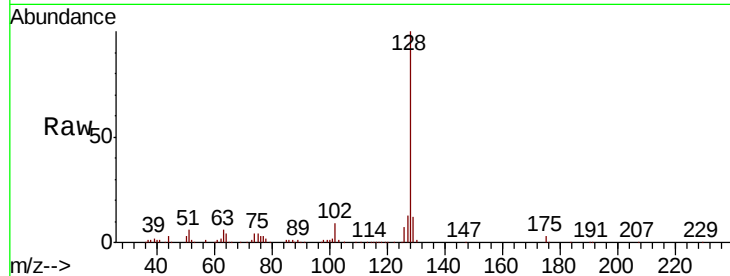
#95
Naphthalene
Concen: 24.21 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	11.5	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:13 PM

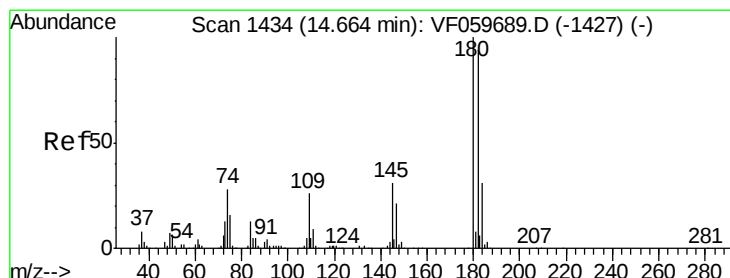
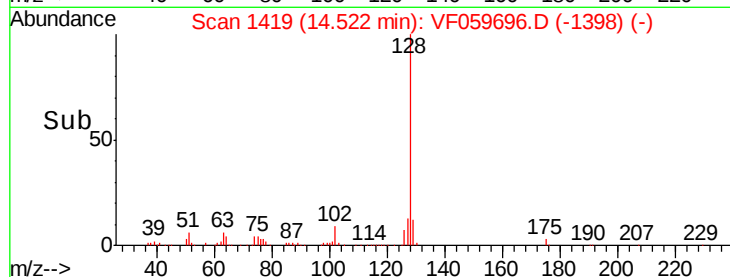
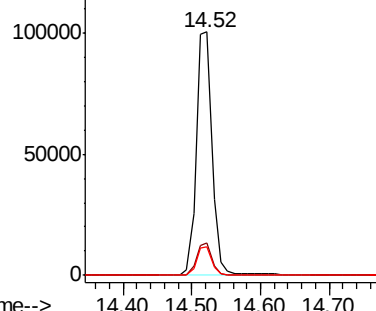


Abundance

Ion 128.00 (127.70 to 128.70): V

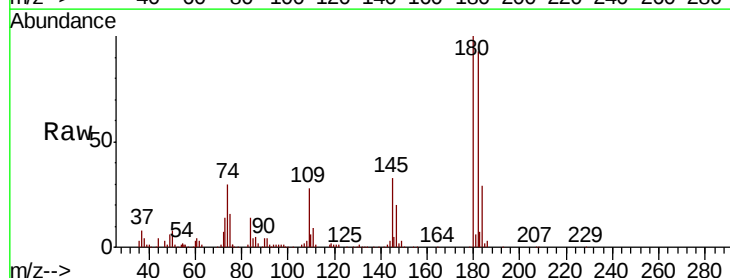
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 24.95 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059696.D
Acq: 30 Jul 2018 19:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.2	141.6
145	33.1	15.6	46.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

