

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059700.D
 Acq On : 31 Jul 2018 10:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/1/2018 2:08:11 PM

Quant Time: Jul 31 16:43:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	214915	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	303847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	296864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	175091	45.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.66%	
35) Dibromofluoromethane	4.29	113	149148	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
50) Toluene-d8	7.71	98	348345	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	11.51	95	190219	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	112769	46.235	ug/l	93
3) Chloromethane	1.08	50	62503	50.091	ug/l	97
4) Vinyl Chloride	1.16	62	64534	48.300	ug/l	97
5) Bromomethane	1.34	94	49025	44.336	ug/l	98
6) Chloroethane	1.42	64	38019	46.609	ug/l	91
7) Trichlorofluoromethane	1.54	101	190786m	47.536	ug/l	
8) Diethyl Ether	1.70	74	28370	41.340	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	100172	47.655	ug/l	96
10) Methyl Iodide	1.96	142	153853	52.120	ug/l	96
11) Tert butyl alcohol	2.66	59	35451	227.503	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	79096	47.524	ug/l	86
13) Acrolein	2.09	56	22280	271.643	ug/l	100
14) Allyl chloride	2.19	41	125133	47.090	ug/l	92
15) Acrylonitrile	3.06	53	62040	248.596	ug/l	90
16) Acetone	2.33	43	199456	287.093	ug/l	97
17) Carbon Disulfide	1.84	76	164656m	48.169	ug/l	
18) Methyl Acetate	2.44	43	55053m	51.168	ug/l	
19) Methyl tert-butyl Ether	2.53	73	224296	44.192	ug/l	100
20) Methylene Chloride	2.28	84	74481	49.026	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	72458	49.717	ug/l	94
22) Diisopropyl ether	2.92	45	265832	47.306	ug/l	96
23) Vinyl Acetate	3.33	43	705140	244.070	ug/l	100
24) 1,1-Dichloroethane	2.99	63	178652	45.760	ug/l #	97
25) 2-Butanone	4.50	43	182730	235.680	ug/l #	79
26) 2,2-Dichloropropane	3.76	77	134876	48.463	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	96633	46.222	ug/l	93
28) Bromochloromethane	3.88	49	70017	51.639	ug/l	95
29) Tetrahydrofuran	4.25	42	69766	234.119	ug/l	99
30) Chloroform	4.03	83	240618	43.669	ug/l	90
31) Cyclohexane	3.87	56	94147	49.734	ug/l #	96
32) 1,1,1-Trichloroethane	4.28	97	190409	44.550	ug/l	97
36) 1,1-Dichloropropene	4.45	75	151406	49.155	ug/l	99
37) Ethyl Acetate	4.29	43	71598	46.934	ug/l #	51
38) Carbon Tetrachloride	4.17	117	227398	47.071	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	116714	49.742	ug/l	95
40) Benzene	4.81	78	277480	45.221	ug/l	95
41) Methacrylonitrile	4.92	41	36372	47.406	ug/l	96
42) 1,2-Dichloroethane	5.11	62	191717	44.644	ug/l	98
43) Isopropyl Acetate	7.11	43	80811	44.478	ug/l	91
44) Trichloroethene	5.68	130	102475	49.768	ug/l	90
45) 1,2-Dichloropropane	6.41	63	76641	47.296	ug/l	99
46) Dibromomethane	6.25	93	69843	45.397	ug/l	90
47) Bromodichloromethane	6.54	83	195039	46.553	ug/l	96
48) Methyl methacrylate	6.87	41	63231	46.269	ug/l	95
49) 1,4-Dioxane	6.86	88	9560	1083.455	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	329296	238.260	ug/l	97
52) Toluene	7.78	92	193894	47.323	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	158249	43.531	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	165459	46.989	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	77223	46.468	ug/l	96
56) Ethyl methacrylate	8.76	69	87140	50.280	ug/l	97
57) 1,3-Dichloropropane	9.00	76	129656	45.478	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	42418	211.982	ug/l	100
59) 2-Hexanone	9.63	43	273225	246.695	ug/l	98
60) Dibromochloromethane	8.86	129	139971	47.732	ug/l	98
61) 1,2-Dibromoethane	9.14	107	92330	47.579	ug/l	95
64) Tetrachloroethene	8.31	164	100677	50.261	ug/l	99
65) Chlorobenzene	9.94	112	270873	45.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	130254	46.981	ug/l	97
67) Ethyl Benzene	10.04	91	493812	48.061	ug/l	100
68) m/p-Xylenes	10.27	106	335690	105.043	ug/l	97
69) o-Xylene	10.83	106	188686	49.839	ug/l	93
70) Styrene	10.90	104	269025	46.907	ug/l	98
71) Bromoform	10.89	173	85190	47.155	ug/l #	100
73) Isopropylbenzene	11.23	105	587952	48.734	ug/l	99
74) N-amyl acetate	11.46	43	145253	47.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	114850	50.572	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	87710	45.419	ug/l	95
77) Bromobenzene	11.59	156	144696	45.929	ug/l	98
78) n-propylbenzene	11.69	91	663564	54.066	ug/l	98
79) 2-Chlorotoluene	11.82	91	404459	52.157	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	510084	53.526	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	38823m	48.544	ug/l	
82) 4-Chlorotoluene	11.98	91	451281	54.655	ug/l	99
83) tert-Butylbenzene	12.21	119	555225	51.266	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	534023	55.491	ug/l	95
85) sec-Butylbenzene	12.39	105	653903	53.431	ug/l	99
86) p-Isopropyltoluene	12.54	119	600314	56.619	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	283061	55.475	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	274457	52.914	ug/l	98
89) n-Butylbenzene	12.92	91	576656	57.404	ug/l	99
90) Hexachloroethane	12.99	117	148525	48.809	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	270709	54.150	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27737	49.961	ug/l	95

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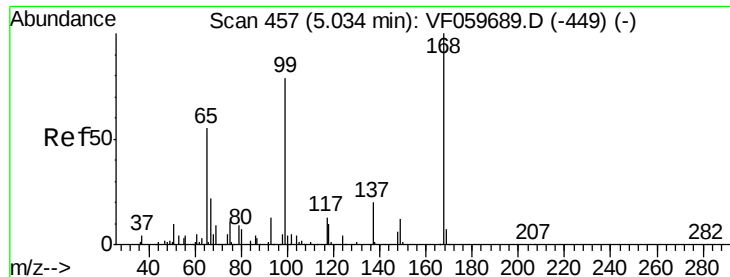
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214557	53.950	ug/l	97
94) Hexachlorobutadiene	14.25	225	146724	48.650	ug/l	96
95) Naphthalene	14.52	128	390031	49.200	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	214977	49.062	ug/l	96

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



#1

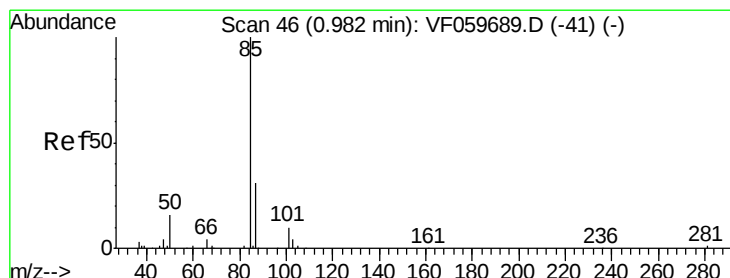
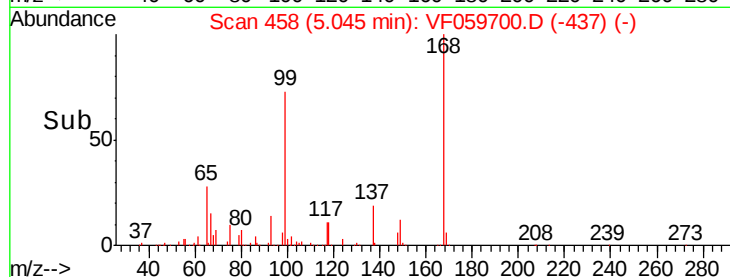
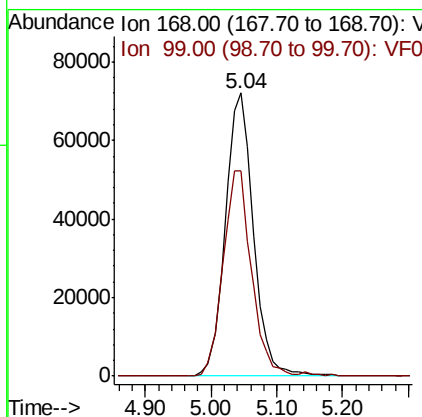
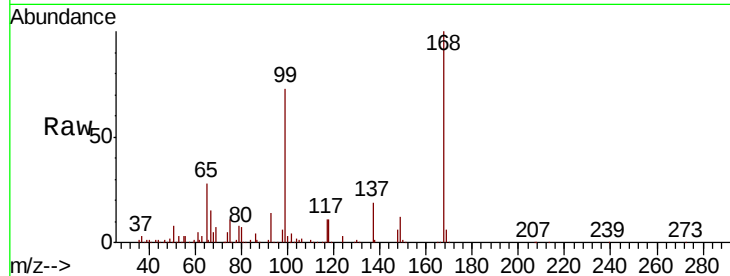
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	72.5	63.3	94.9

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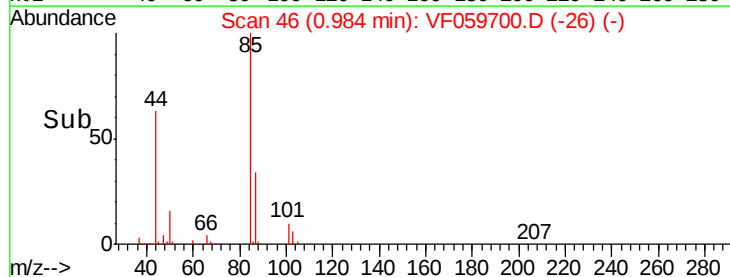
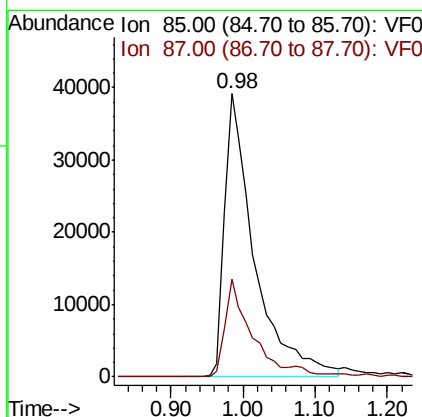
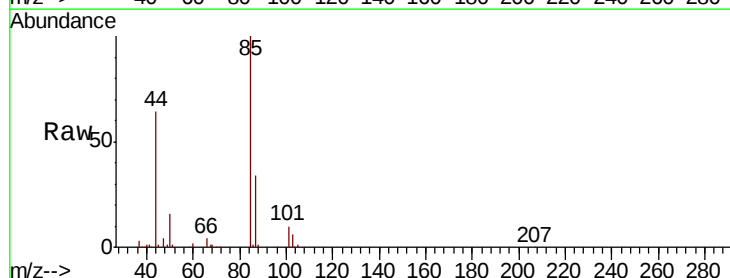
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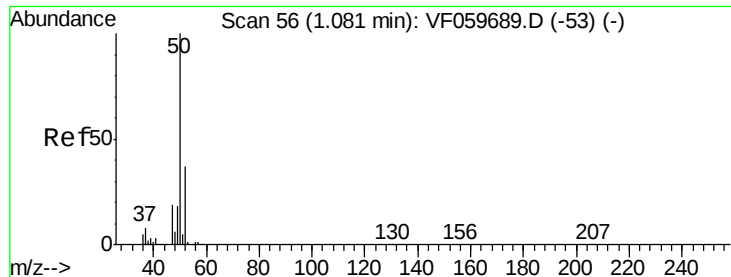


#2

Dichlorodifluoromethane
 Concen: 46.235 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.3	15.3	45.8





#3

Chloromethane

Concen: 50.091 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 62503

Ion Ratio Lower Upper

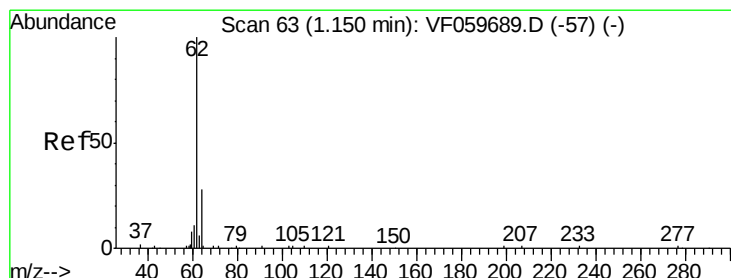
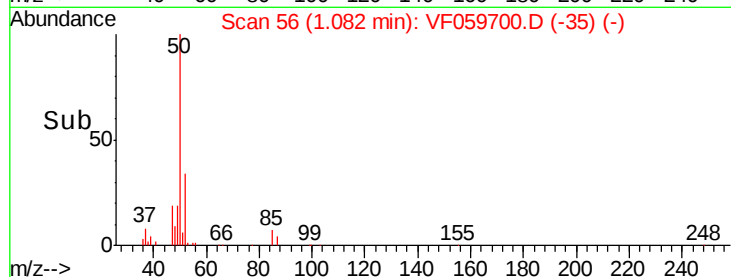
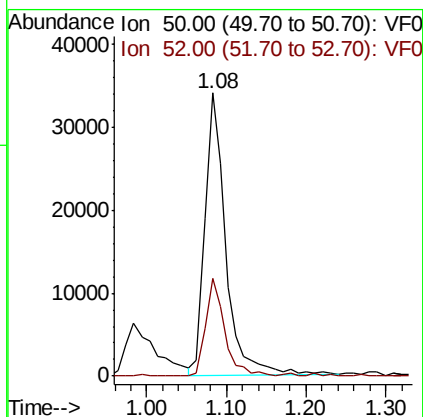
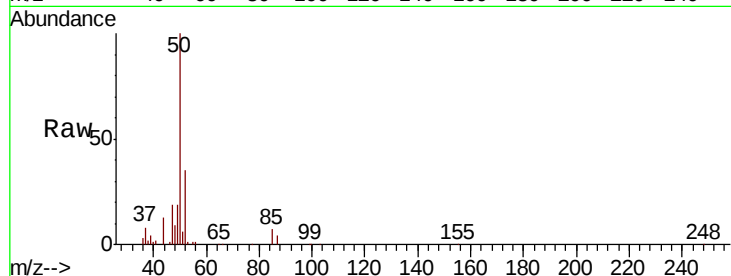
50 100

52 34.6 29.1 43.7

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#4

Vinyl Chloride

Concen: 48.300 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059700.D

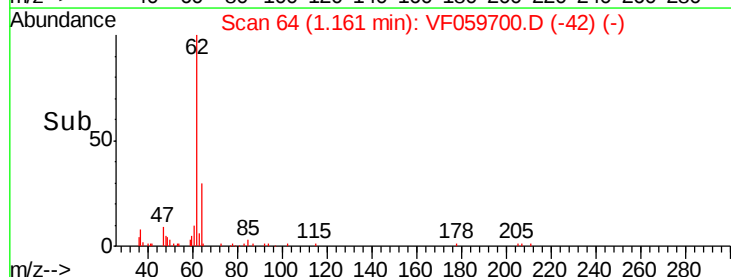
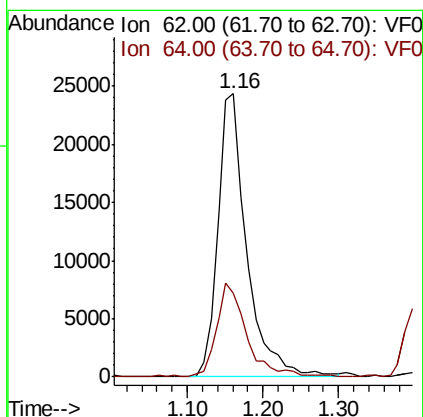
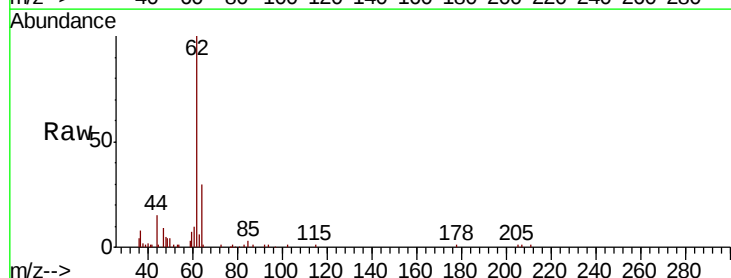
Acq: 31 Jul 2018 10:32

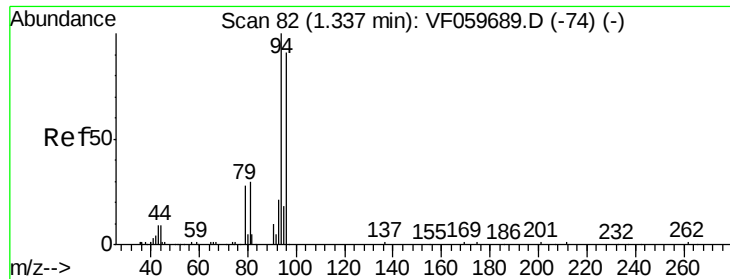
Tgt Ion: 62 Resp: 64534

Ion Ratio Lower Upper

62 100

64 29.7 22.6 33.8





#5

Bromomethane

Concen: 44.336 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49025

Ion Ratio Lower Upper

94 100

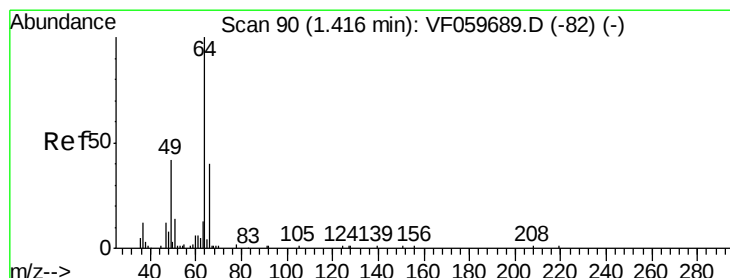
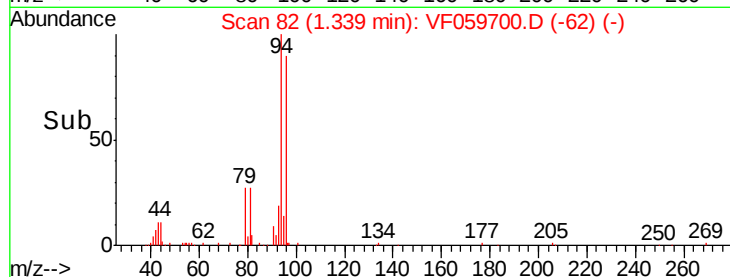
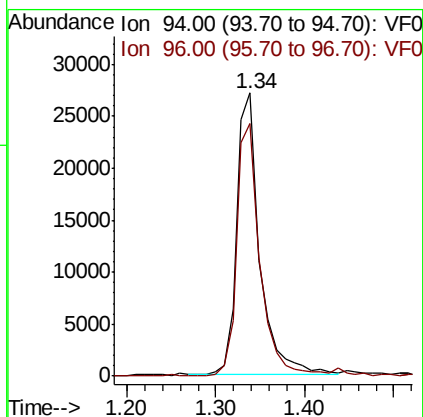
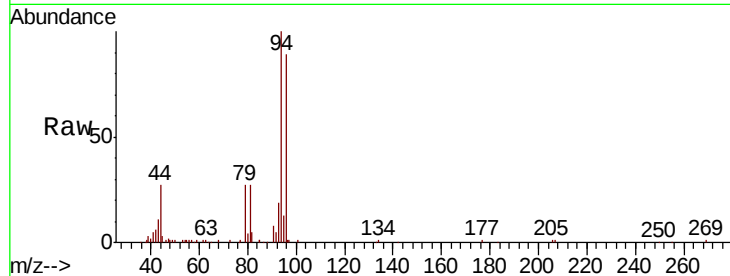
96 90.1 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 46.609 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059700.D

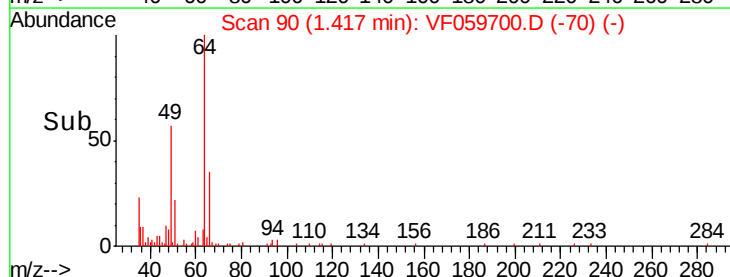
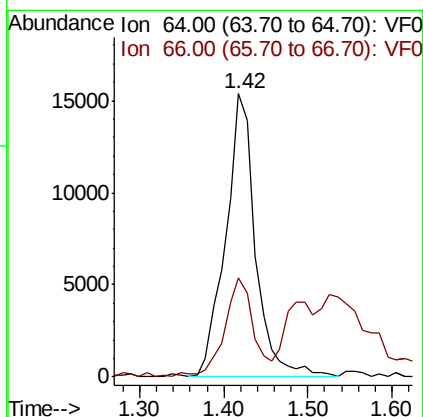
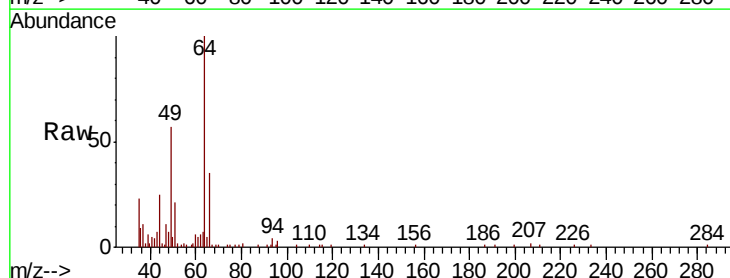
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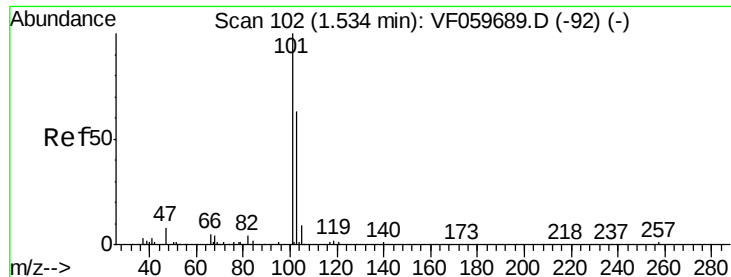
Tgt Ion: 64 Resp: 38019

Ion Ratio Lower Upper

64 100

66 34.9 32.6 49.0





#7

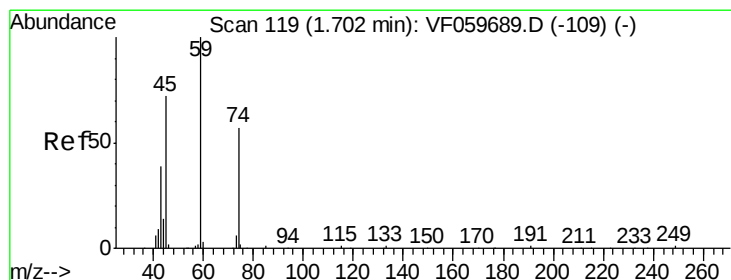
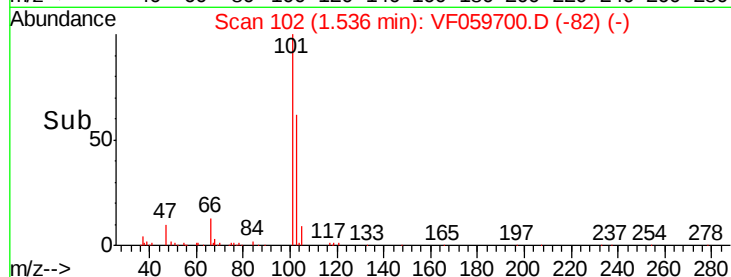
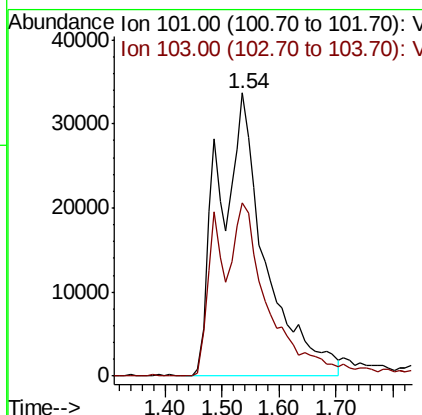
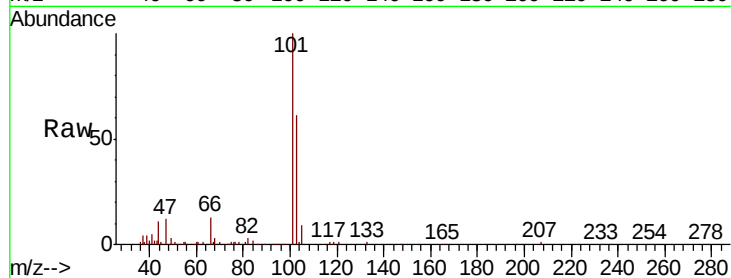
Trichlorofluoromethane
Concen: 47.536 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	50.8	76.2

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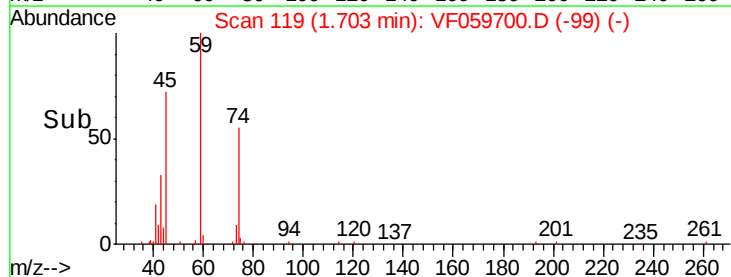
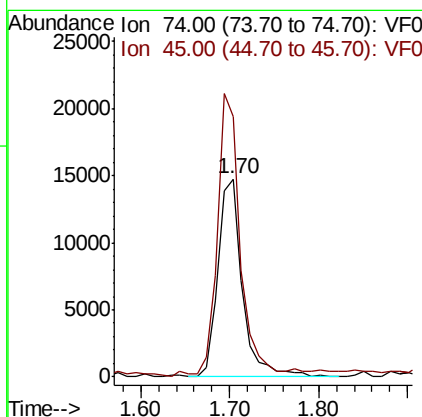
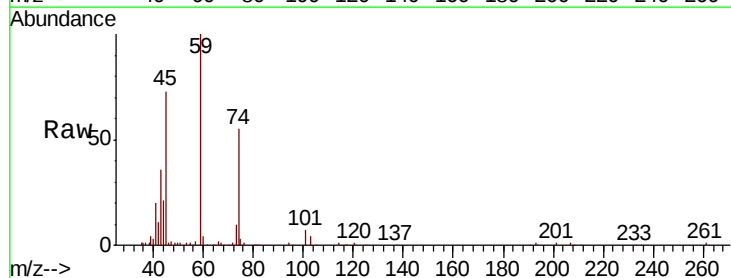
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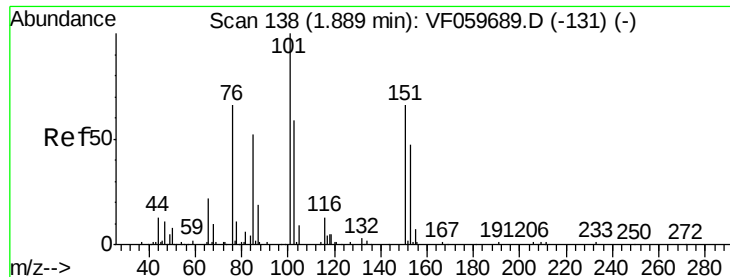


#8

Diethyl Ether
Concen: 41.340 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.9	62.7	188.2





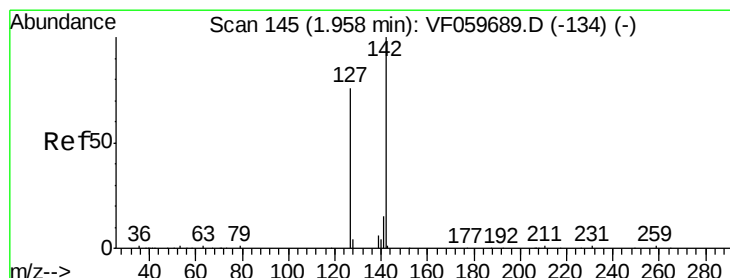
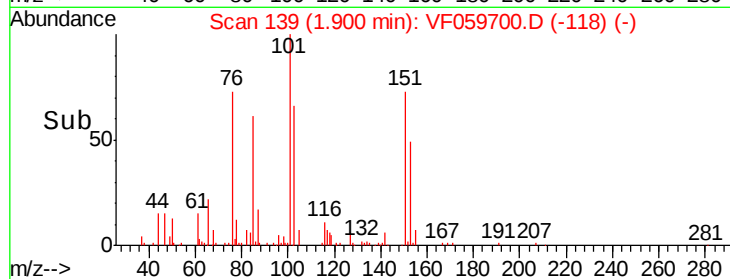
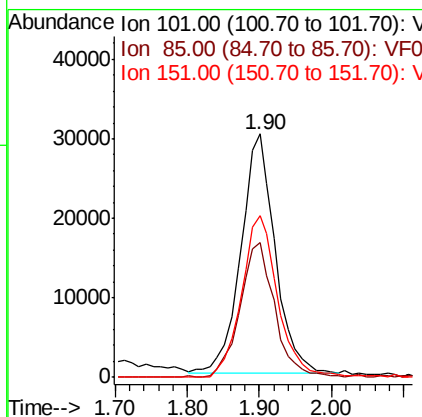
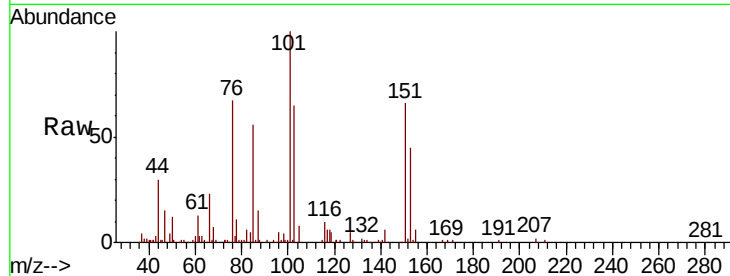
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.655 ug/l
 RT: 1.90 min Scan# 139
 Delta R.T. 0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

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Tot Ion	Ratio	Lower	Upper
101	100		
85	55.5	40.7	61.1
151	66.4	51.4	77.2

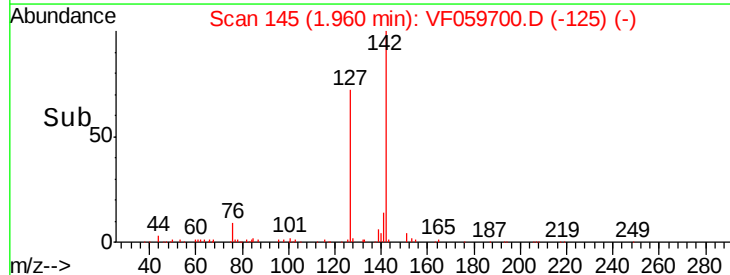
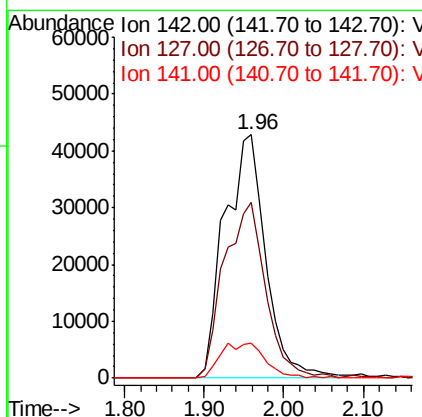
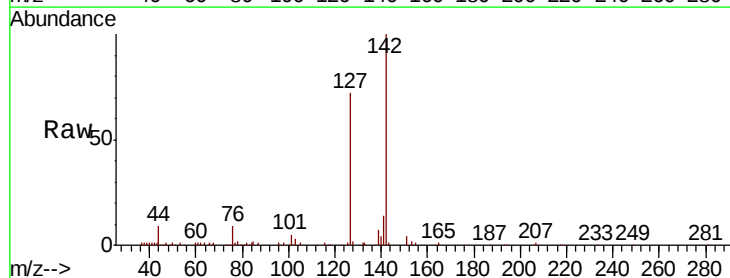
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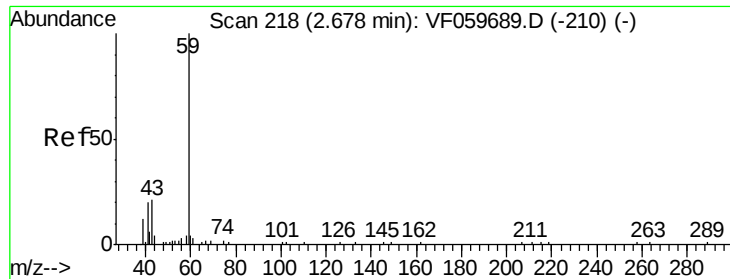
apatel
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#10
 Methyl Iodide
 Concen: 52.120 ug/l
 RT: 1.96 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
142	100		
127	72.3	60.6	91.0
141	14.5	12.0	18.0





#11

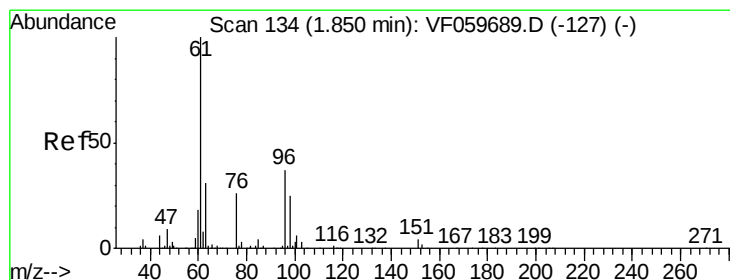
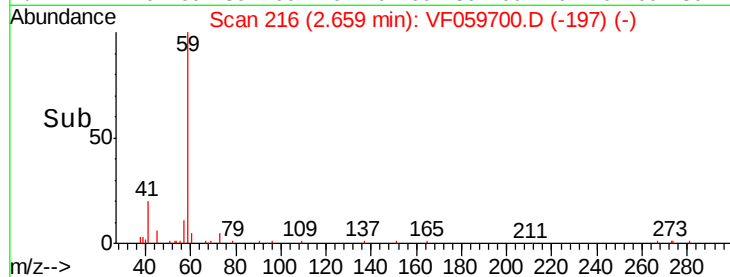
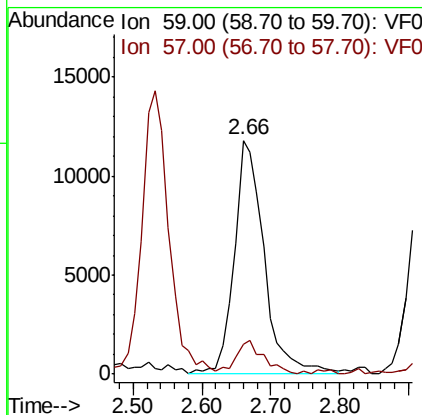
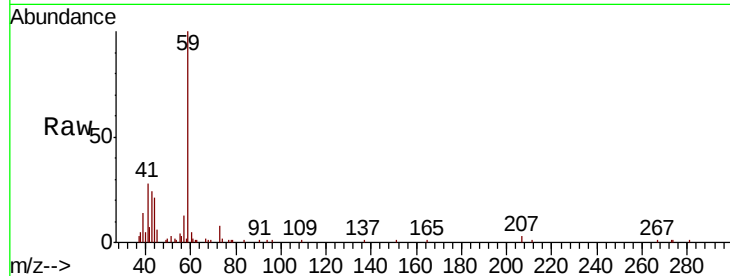
Tert butyl alcohol
Concen: 227.503 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	7.6	11.4#

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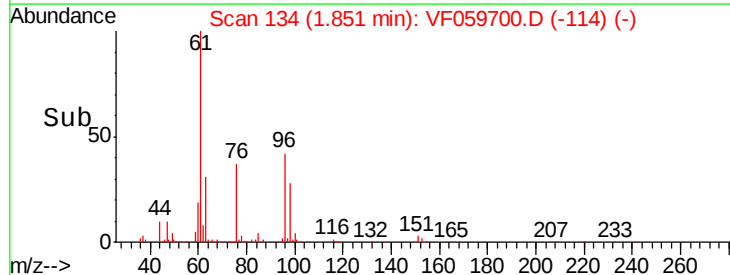
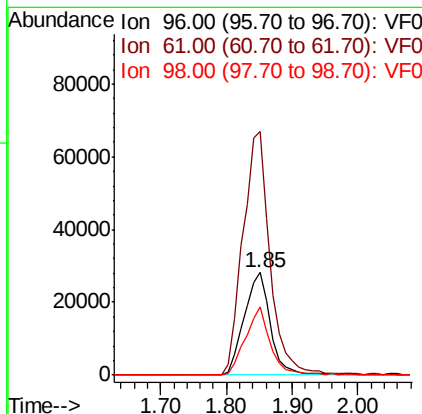
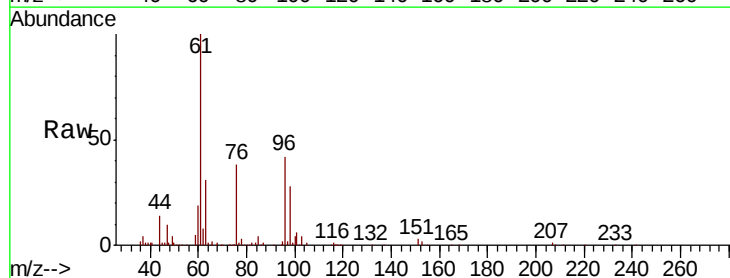
apatel
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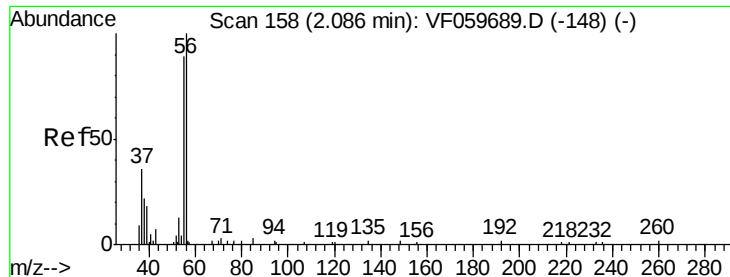


#12

1,1-Dichloroethene
Concen: 47.524 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	237.8	215.1	322.7
98	66.2	54.3	81.5





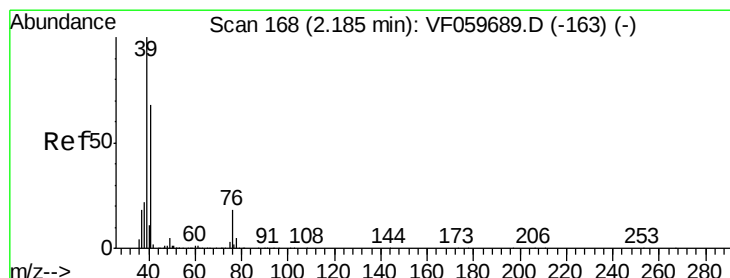
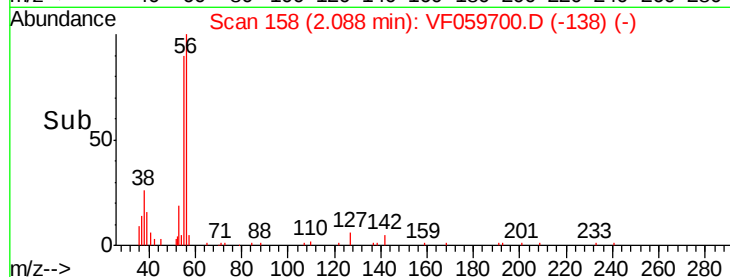
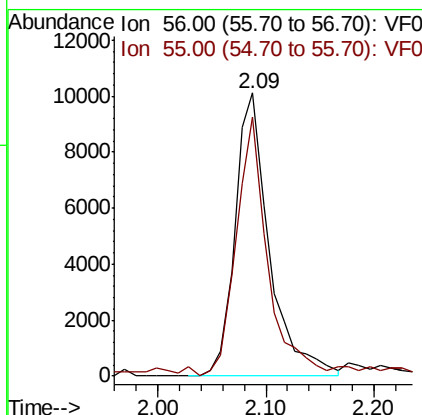
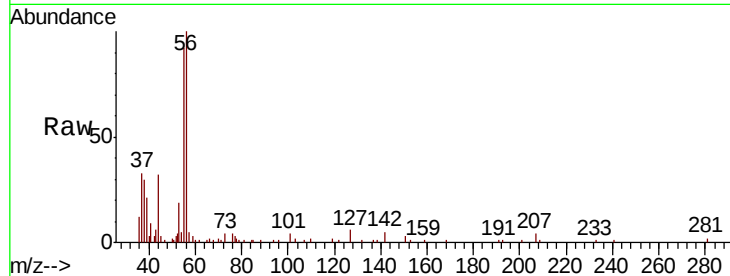
#13
Acrolein
Concen: 271.643 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	22280
Ion Ratio	100	Lower	Upper
55	91.7	73.2	109.8

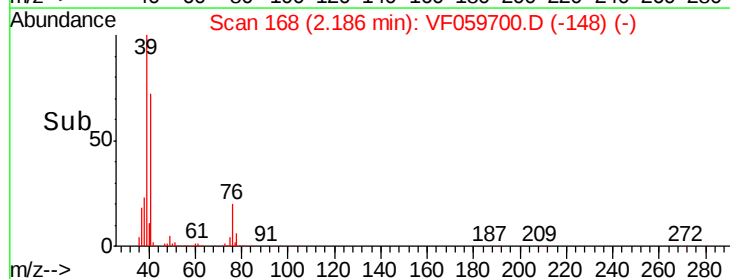
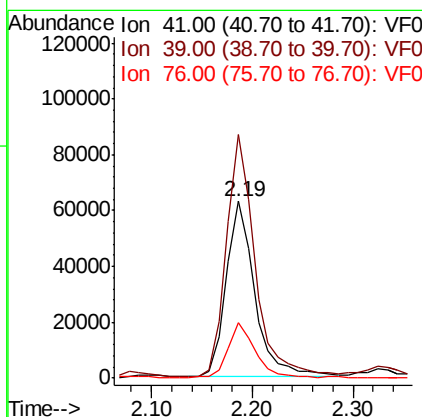
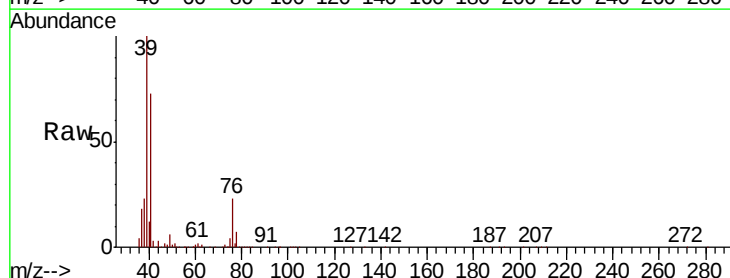
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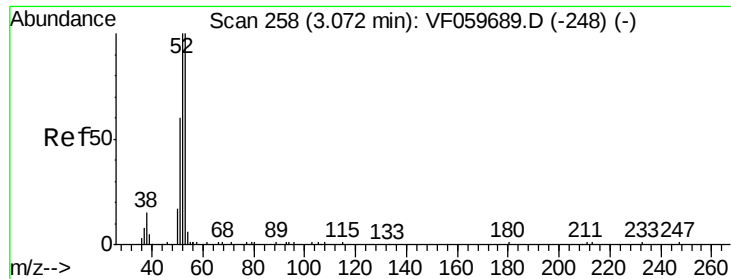
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#14
Allyl chloride
Concen: 47.090 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	41	Resp	125133
Ion Ratio	100	Lower	Upper
39	137.9	118.1	177.1
76	31.2	22.0	33.0





#15

Acrylonitrile

Concen: 248.596 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

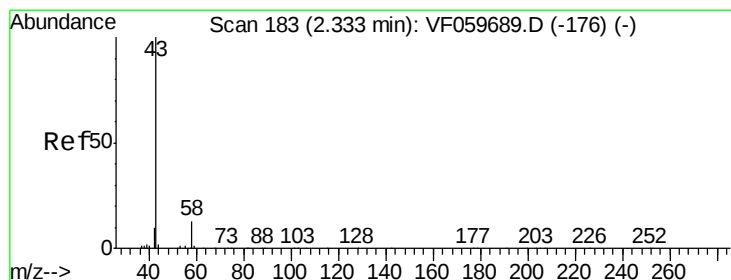
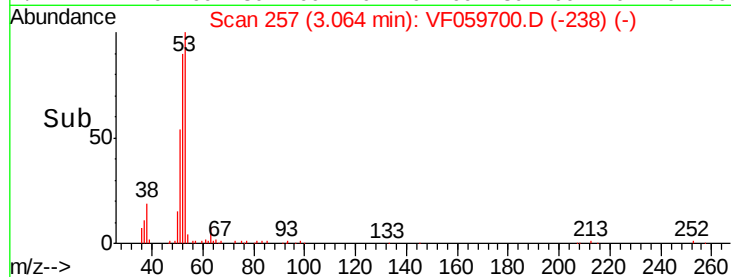
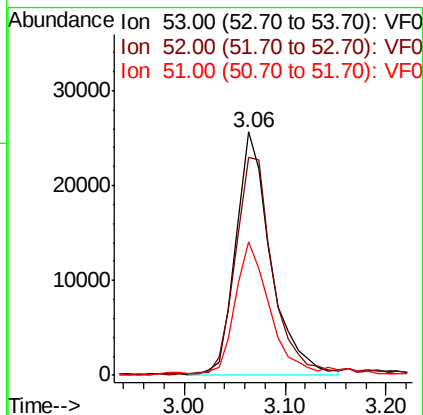
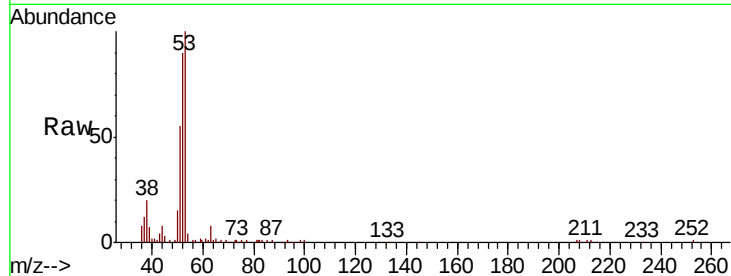
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	62040
Ion	Ratio	Lower	Upper
53	100		
52	89.6	80.3	120.5
51	54.8	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 287.093 ug/l

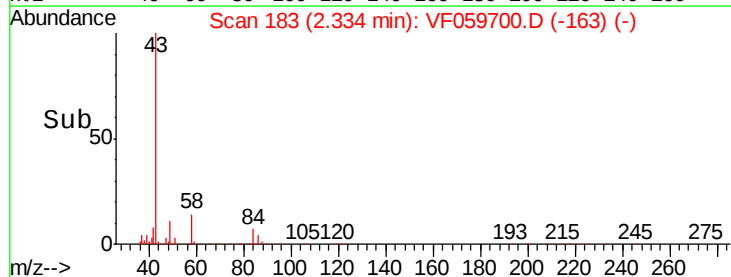
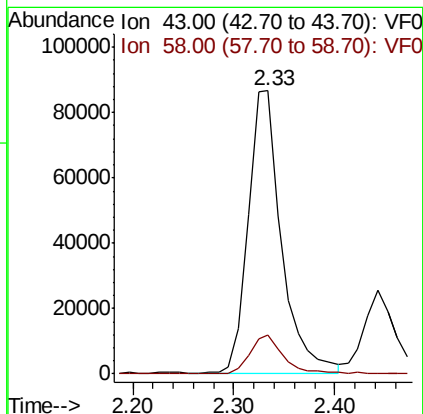
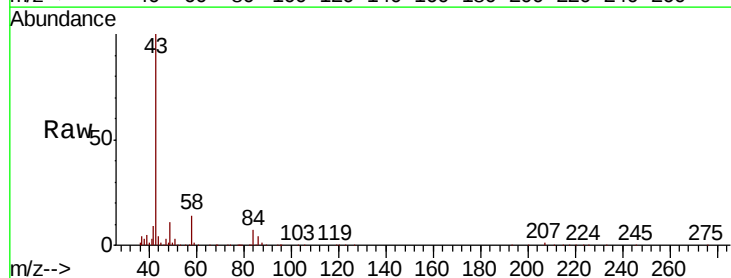
RT: 2.33 min Scan# 183

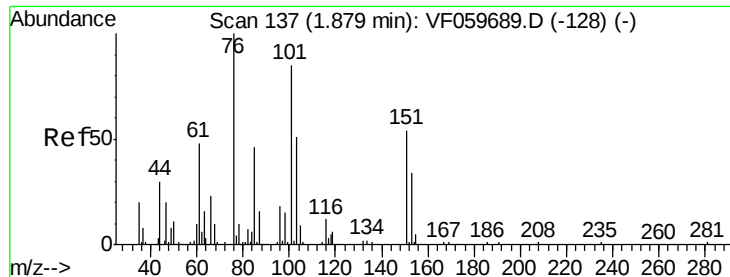
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion:	43	Resp:	199456
Ion	Ratio	Lower	Upper
43	100		
58	13.7	10.1	15.1





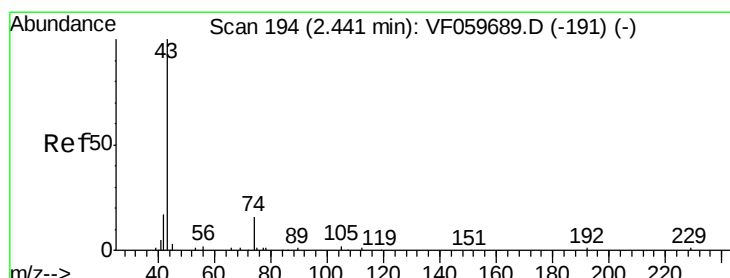
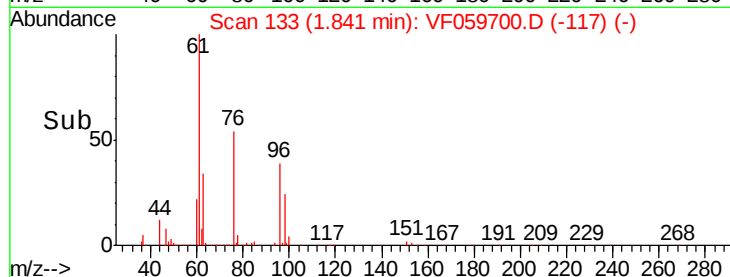
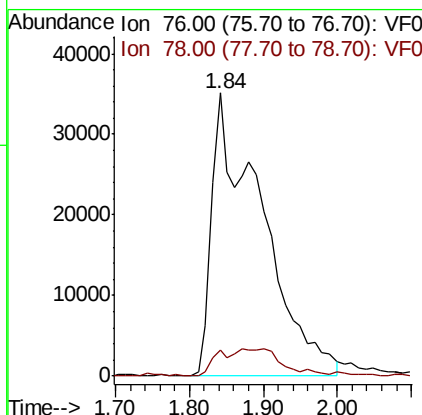
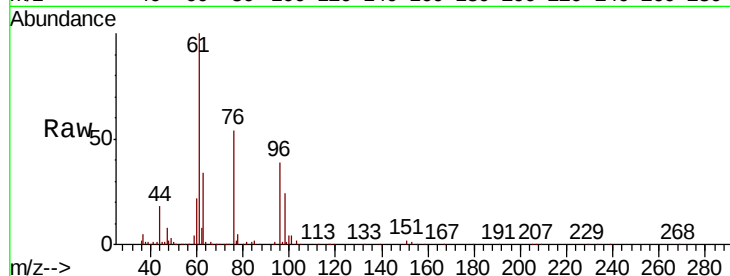
#17
Carbon Disulfide
Concen: 48.169 ug/l m
RT: 1.84 min Scan# 133
Delta R.T. -0.04 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	8.9	13.3

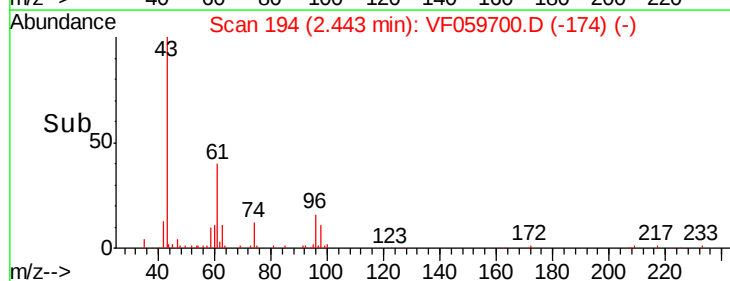
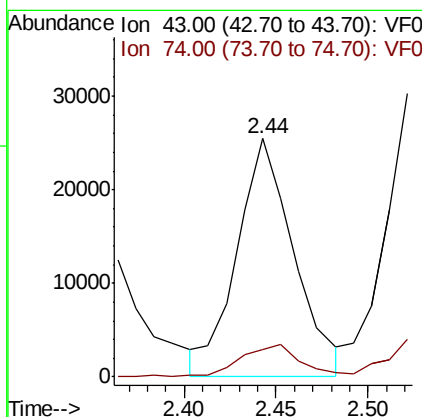
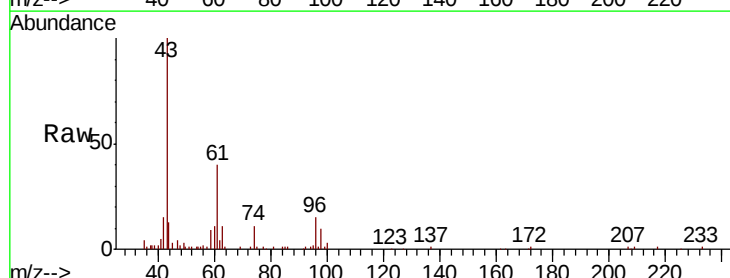
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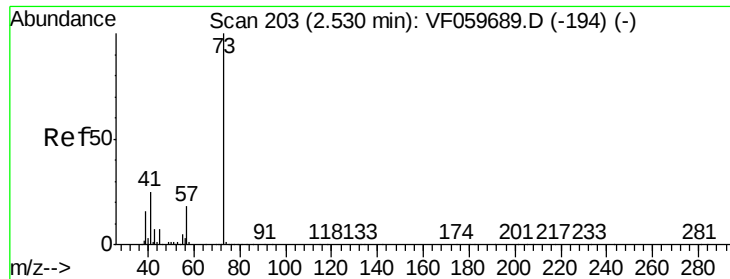
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#18
Methyl Acetate
Concen: 51.168 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.5	11.8	17.6#





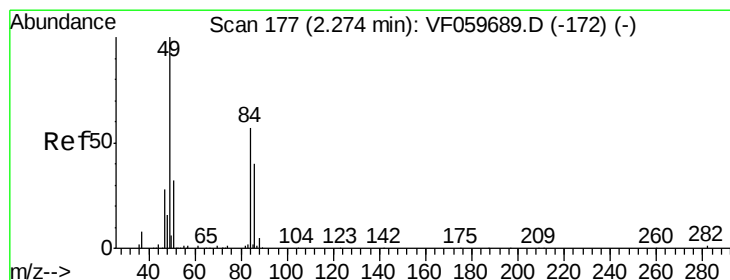
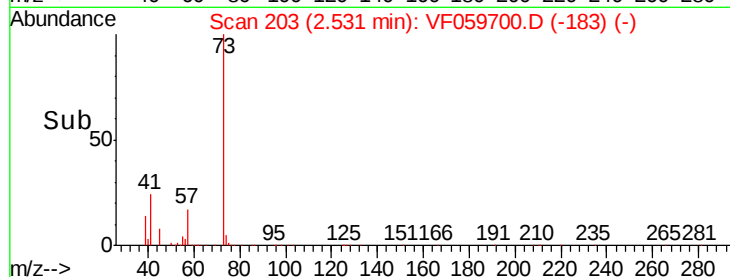
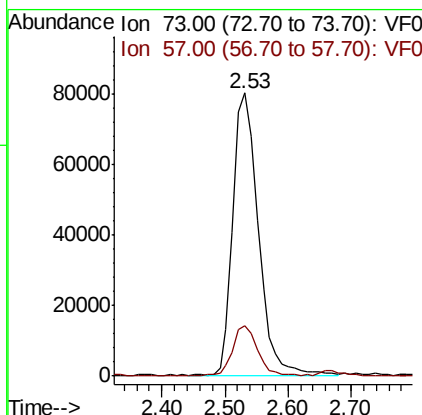
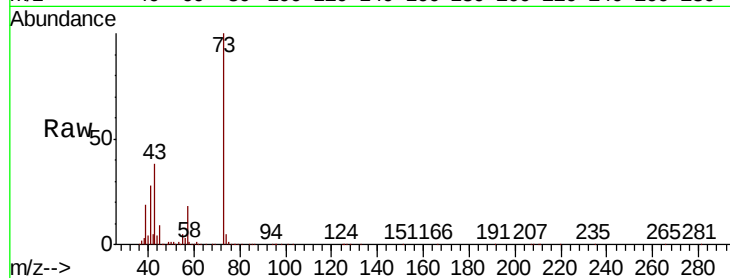
#19
Methyl tert-butyl Ether
Concen: 44.192 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.2	21.2

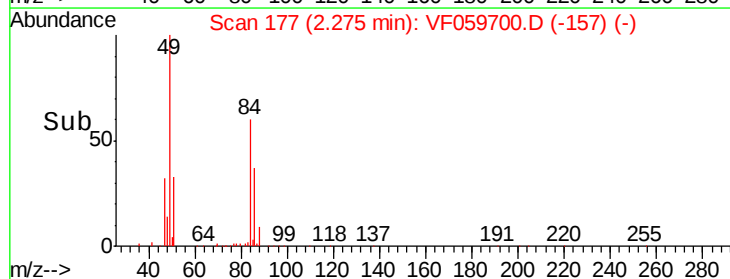
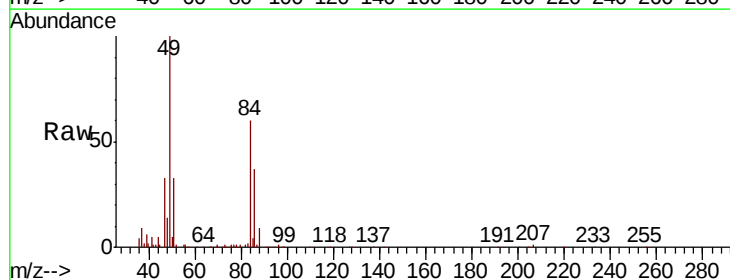
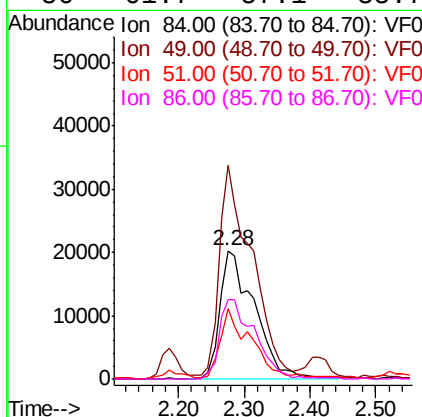
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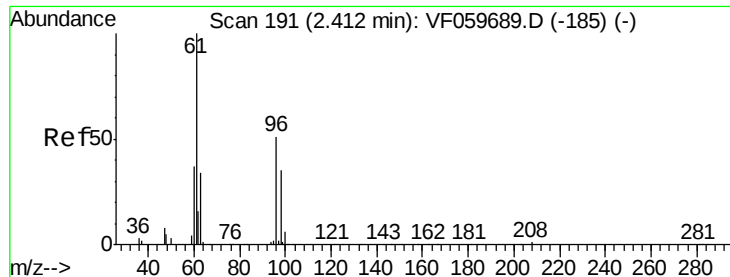
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#20
Methylene Chloride
Concen: 49.026 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.7	142.2	213.4
51	55.4	46.2	69.2
86	61.7	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 49.717 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

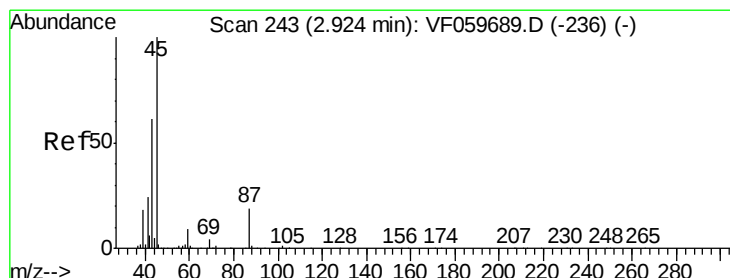
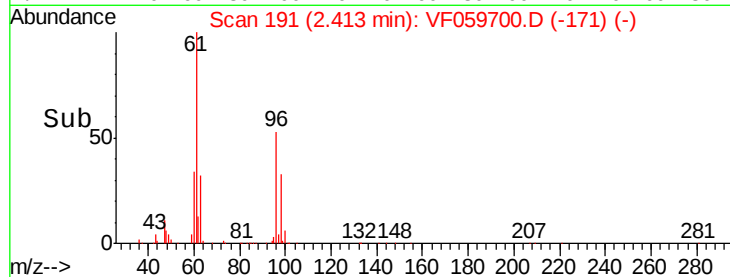
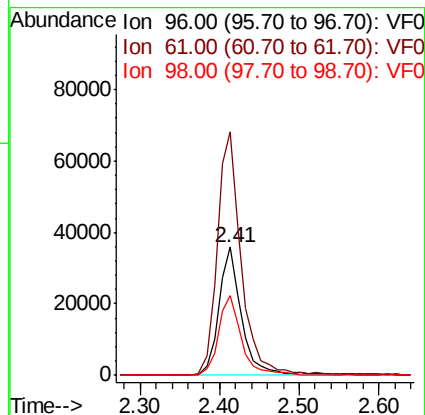
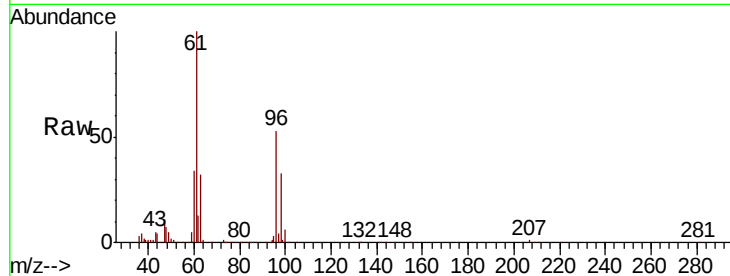
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	72458
Ion	Ratio	Lower	Upper
96	100		
61	189.8	157.4	236.0
98	62.1	55.0	82.4

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#22

Diisopropyl ether

Concen: 47.306 ug/l

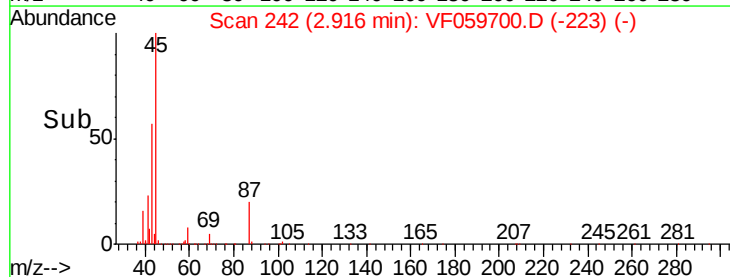
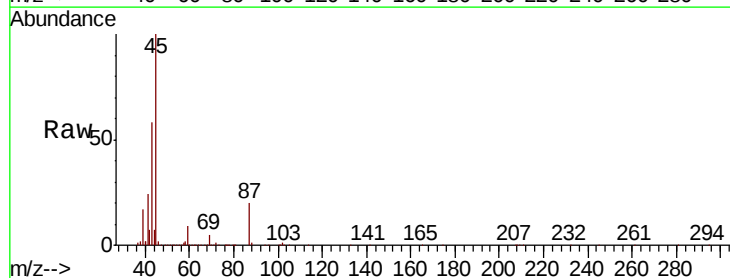
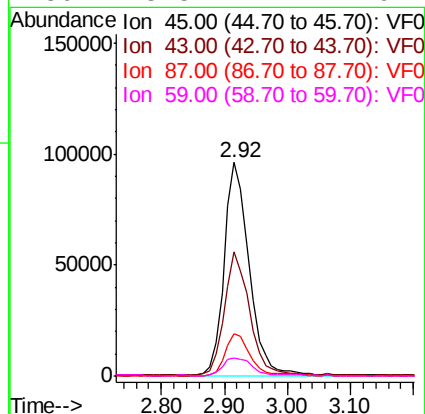
RT: 2.92 min Scan# 242

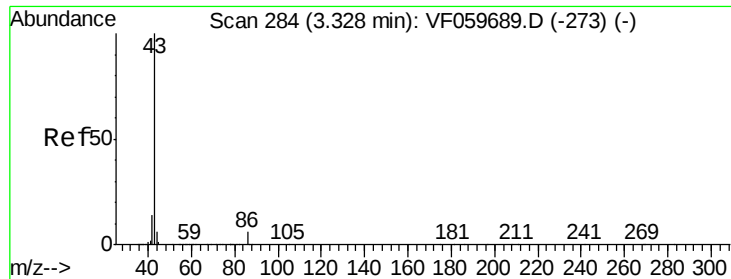
Delta R.T. -0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion:	45	Resp:	265832
Ion	Ratio	Lower	Upper
45	100		
43	58.0	49.3	73.9
87	19.8	15.3	22.9
59	8.5	7.1	10.7





#23

Vinyl Acetate

Concen: 244.070 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 705140

Ion Ratio Lower Upper

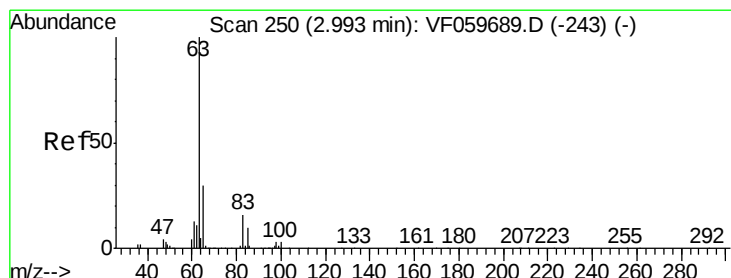
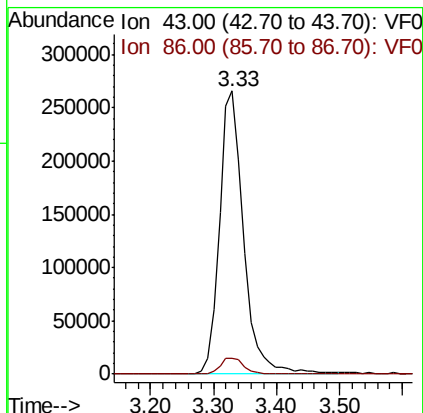
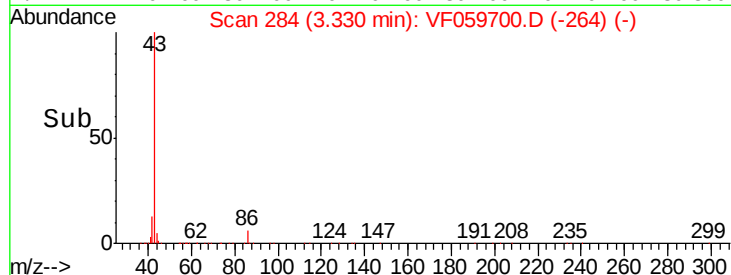
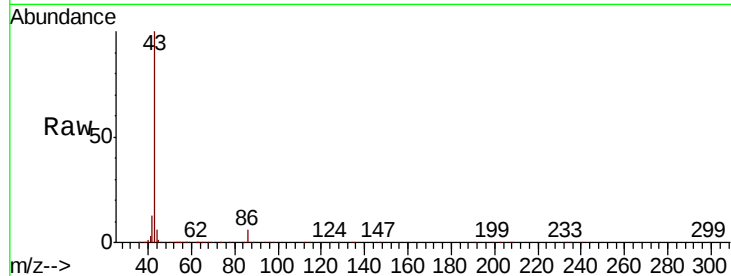
43 100

86 5.8 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 45.760 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

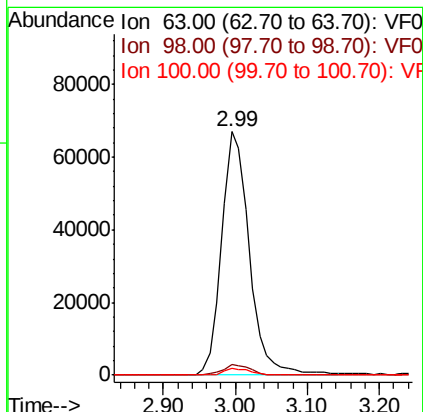
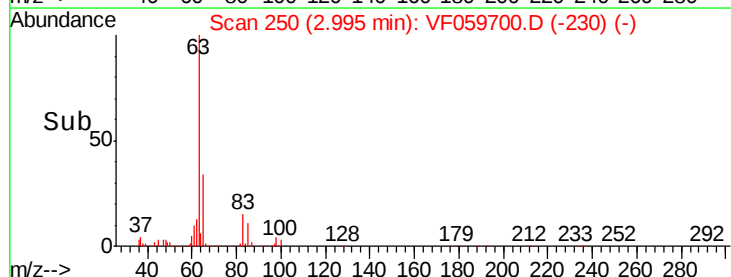
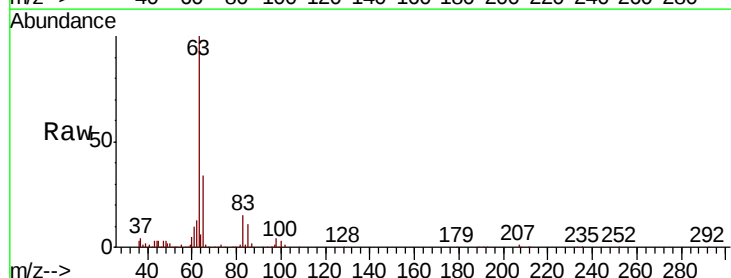
Tgt Ion: 63 Resp: 178652

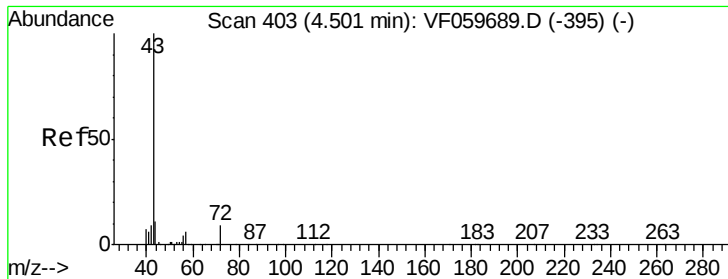
Ion Ratio Lower Upper

63 100

98 4.3 1.4 4.2#

100 2.8 1.6 4.7





#25

2-Butanone

Concen: 235.680 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 182730

Ion Ratio Lower Upper

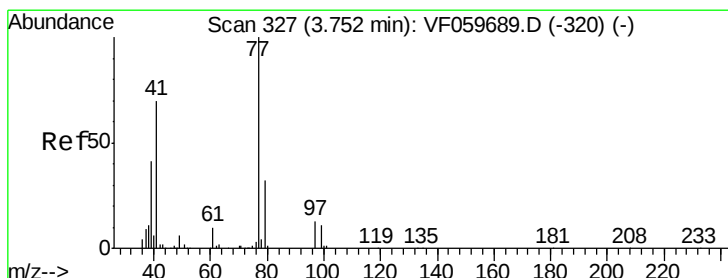
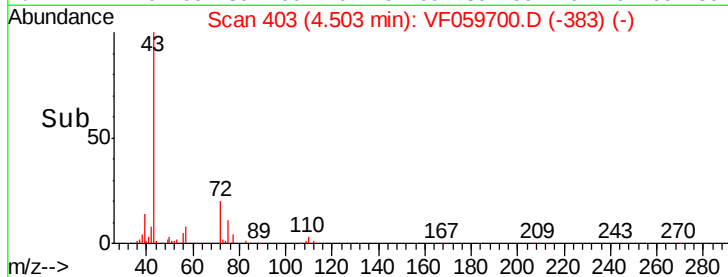
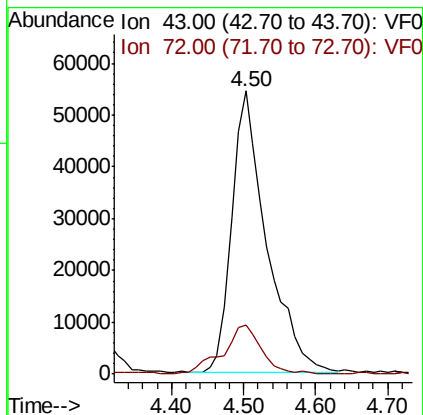
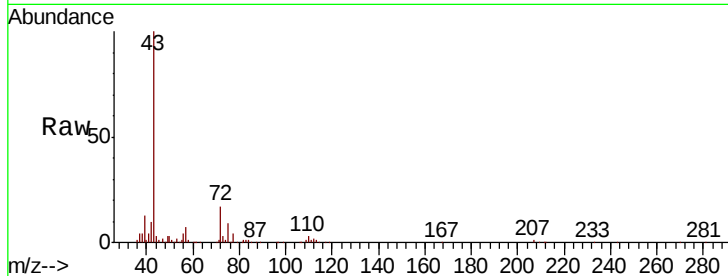
43 100

72 17.3 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 48.463 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059700.D

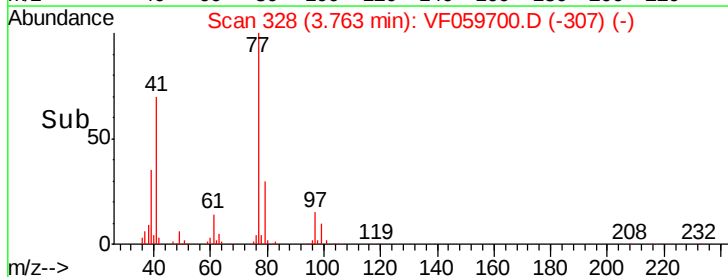
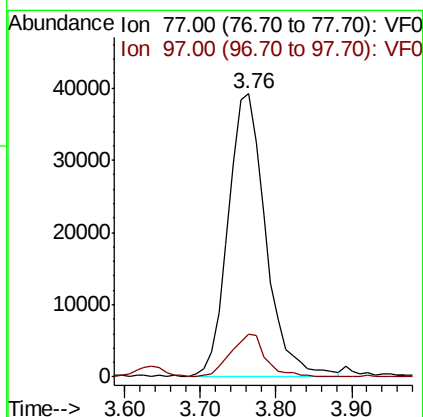
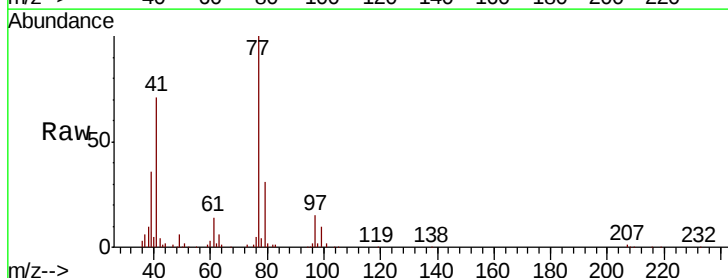
Acq: 31 Jul 2018 10:32

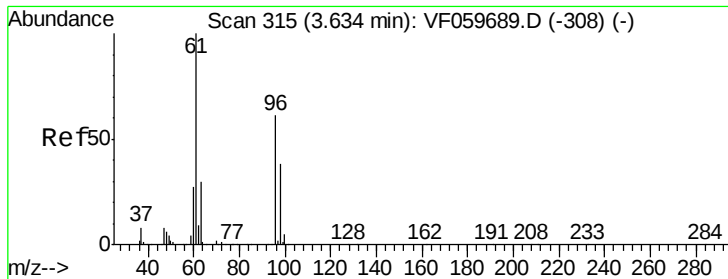
Tgt Ion: 77 Resp: 134876

Ion Ratio Lower Upper

77 100

97 15.1 6.8 20.4





#27

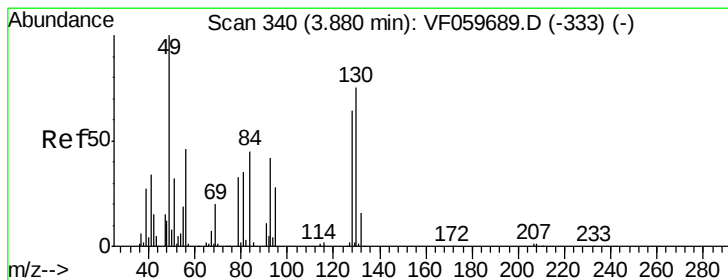
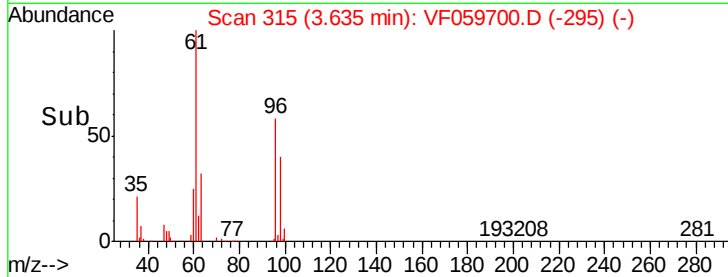
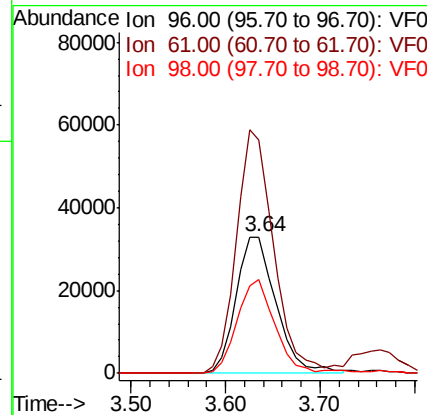
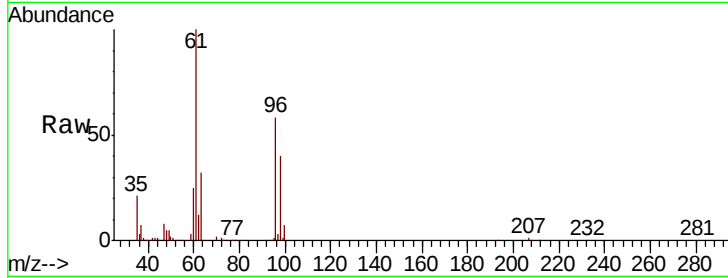
cis-1,2-Dichloroethene
Concen: 46.222 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	171.7	0.0	326.8
98	68.9	0.0	125.2

Manual Integrations
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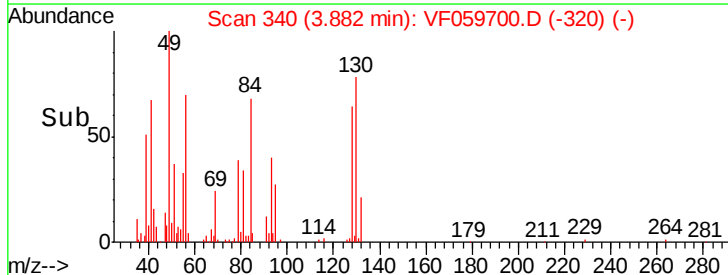
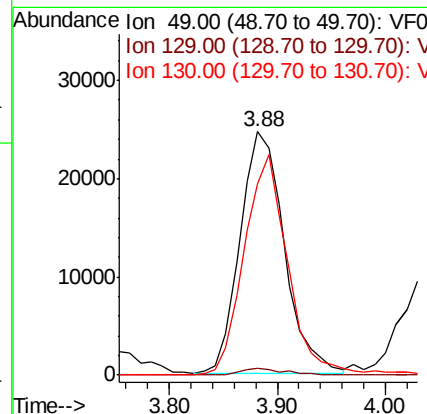
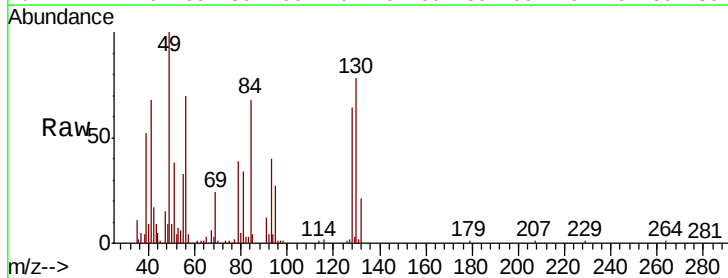
apatel
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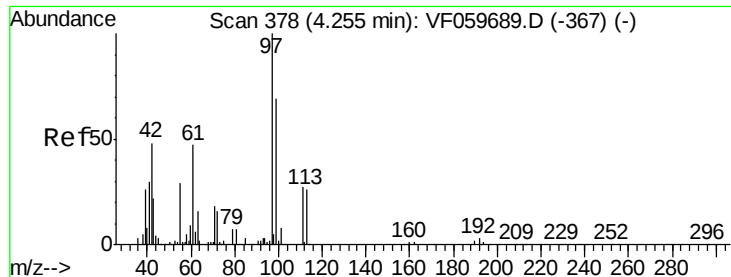


#28

Bromochloromethane
Concen: 51.639 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	2.8	0.0	4.8
130	78.5	59.6	89.4





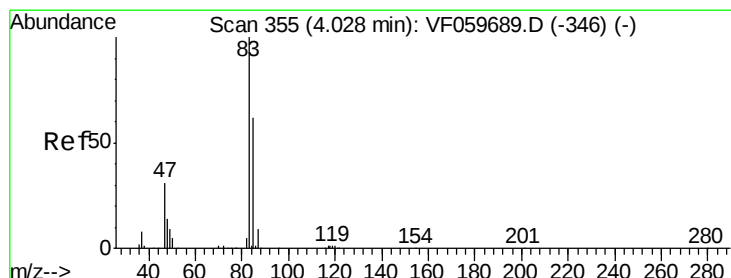
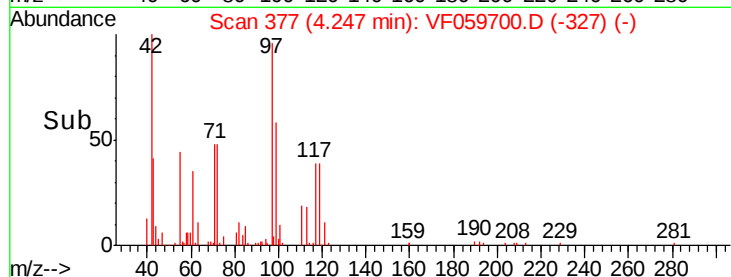
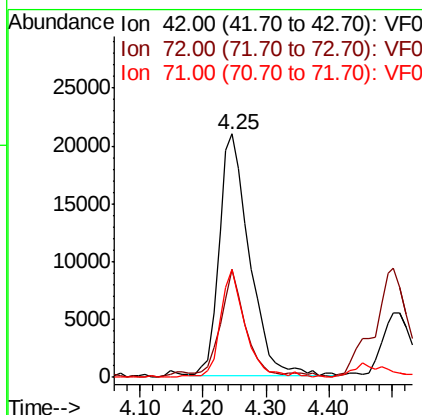
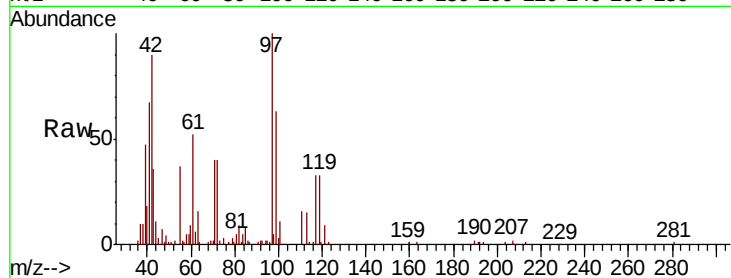
#29
Tetrahydrofuran
Concen: 234.119 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.0	40.6
71	36.3	29.7	44.5

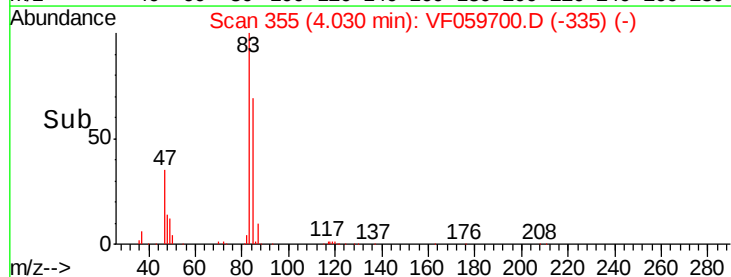
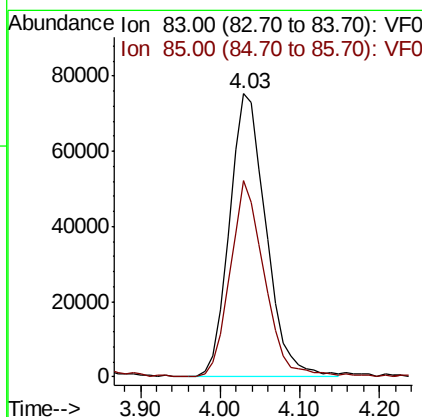
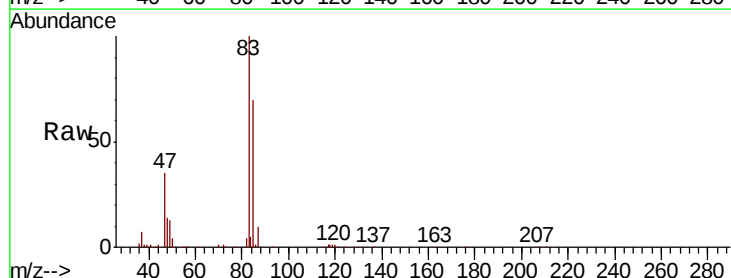
Manual Integrations
APPROVED

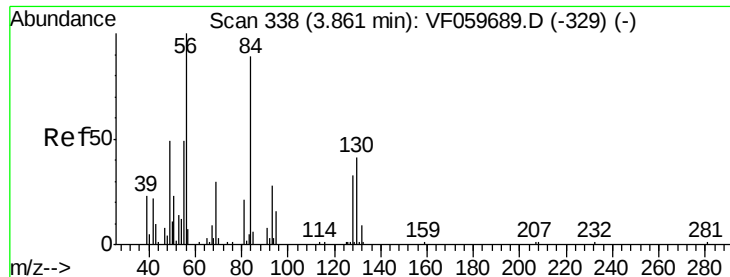
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#30
Chloroform
Concen: 43.669 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.6	49.4	74.0





#31

Cyclohexane

Concen: 49.734 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

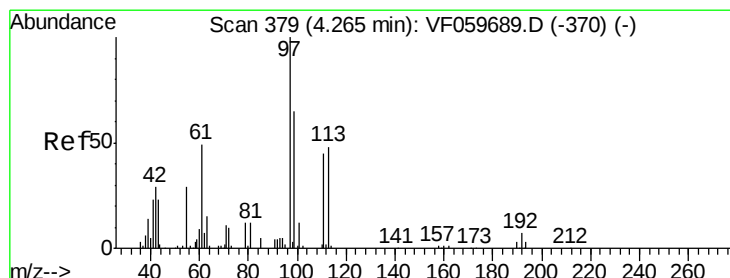
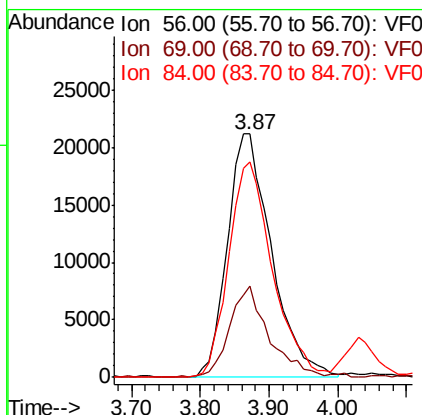
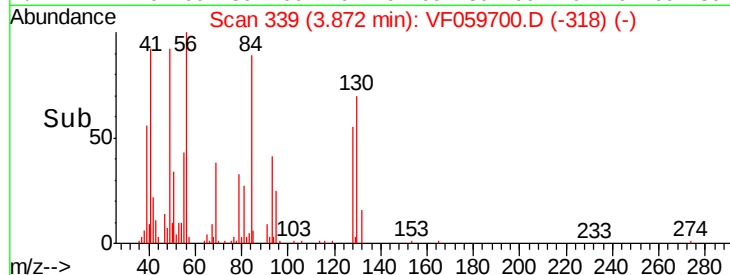
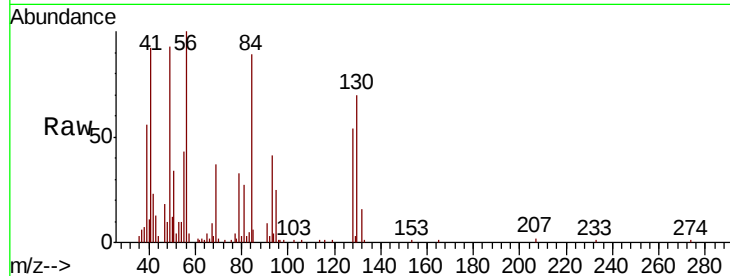
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	23.7	35.5#
84	88.6	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.550 ug/l

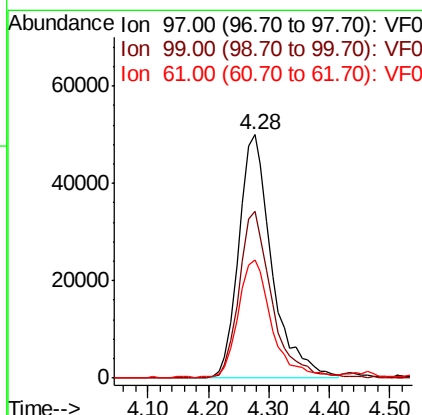
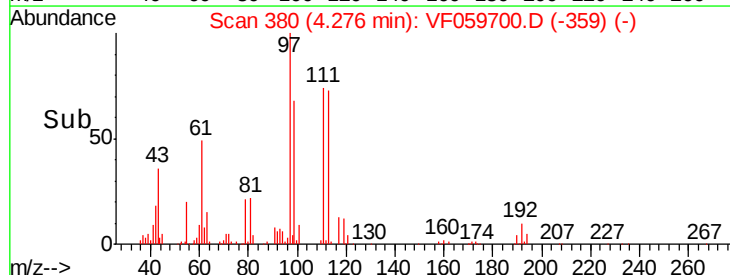
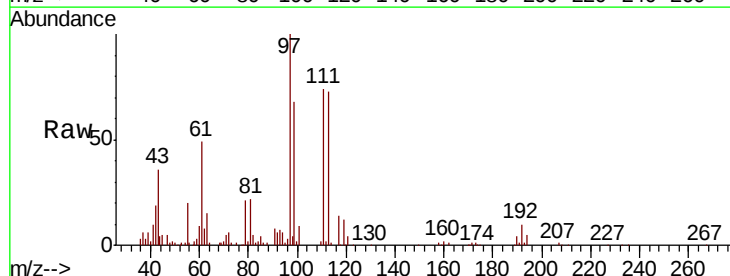
RT: 4.28 min Scan# 380

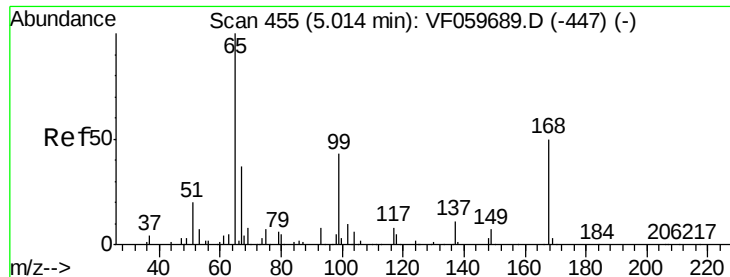
Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.4	52.4	78.6
61	48.8	39.7	59.5





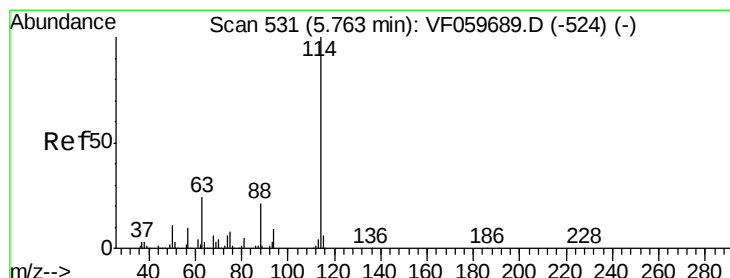
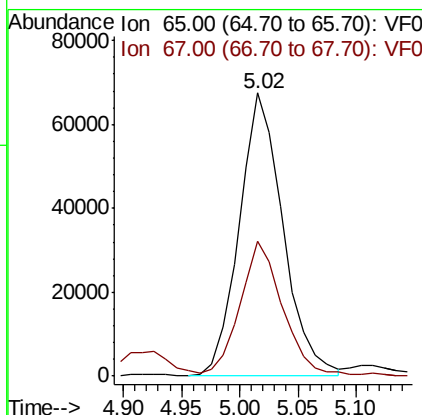
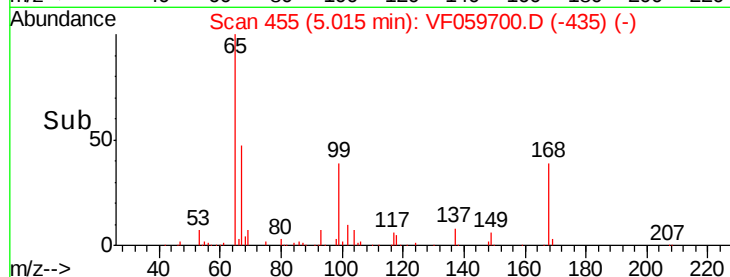
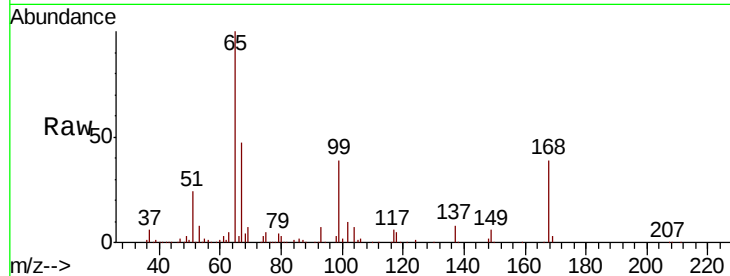
#33
 1,2-Dichloroethane-d4
 Concen: 45.332 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.4	0.0	84.6

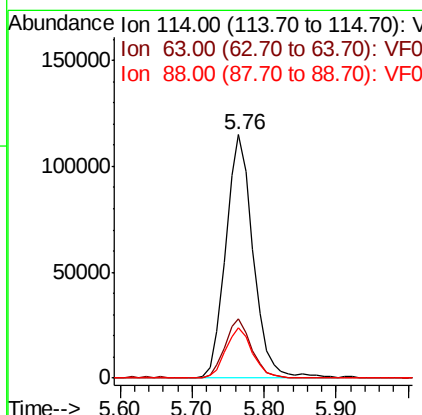
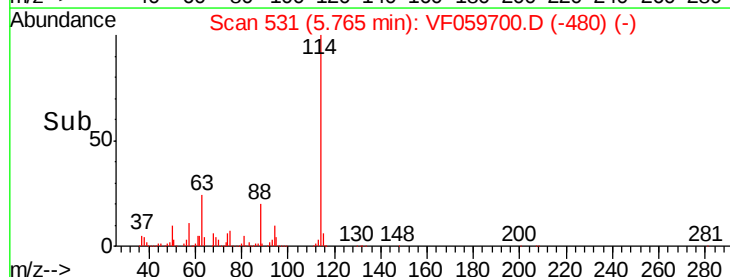
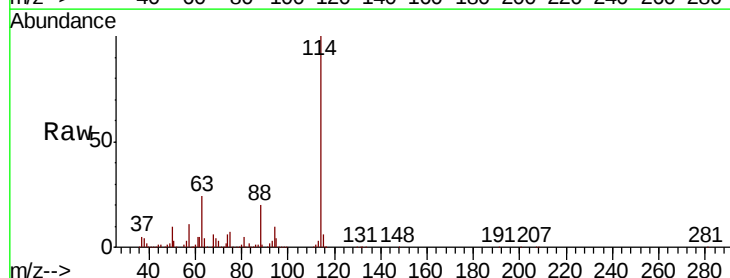
Manual Integrations
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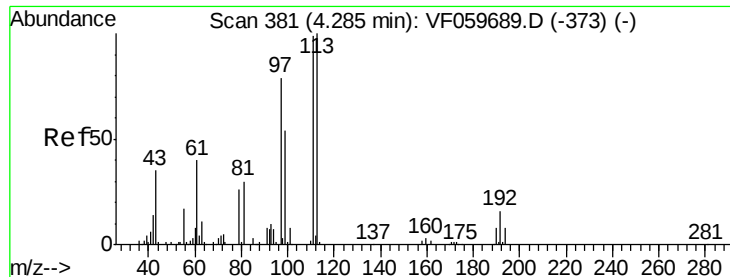
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	47.4
88	20.5	0.0	41.2





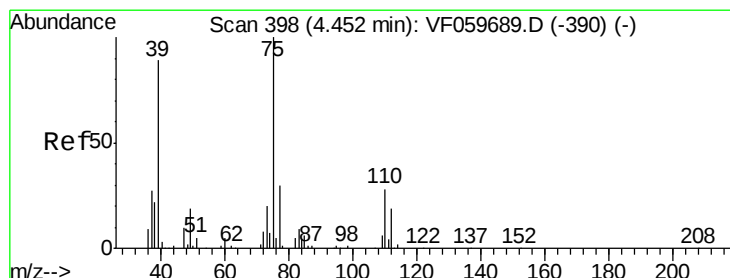
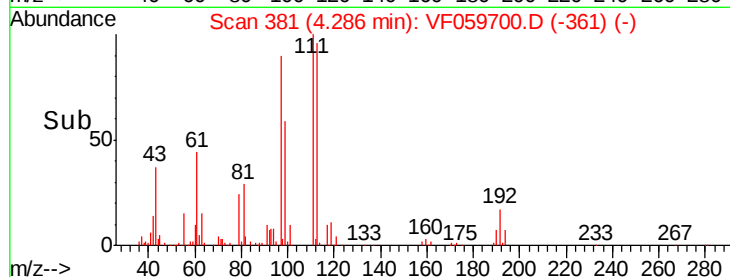
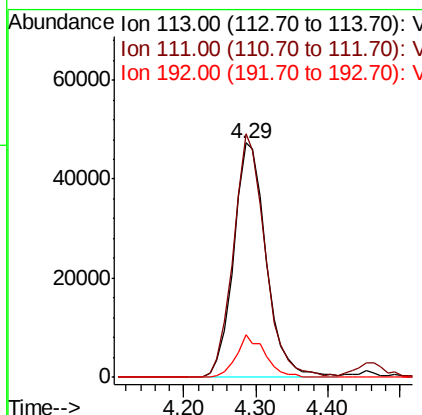
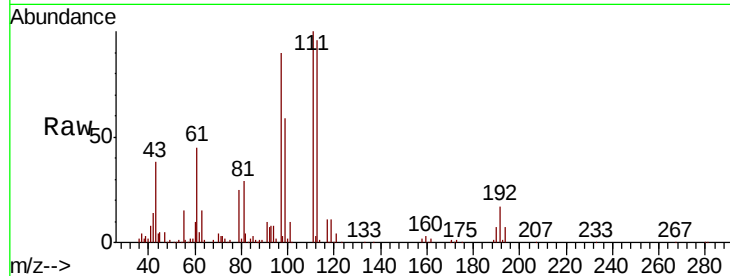
#35
 Dibromofluoromethane
 Concen: 47.260 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	79.0	118.4
192	18.3	13.2	19.8

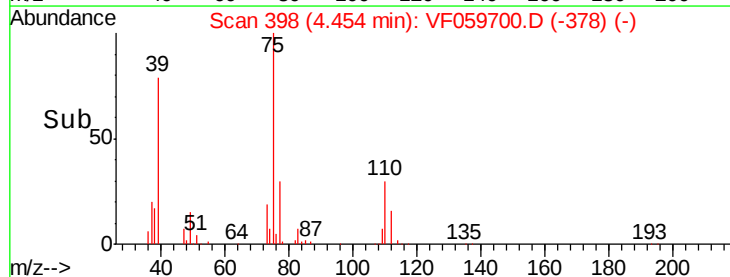
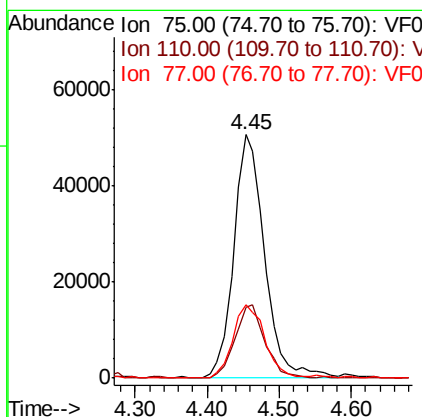
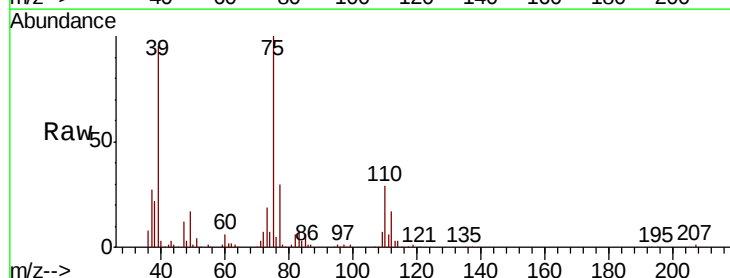
Manual Integrations
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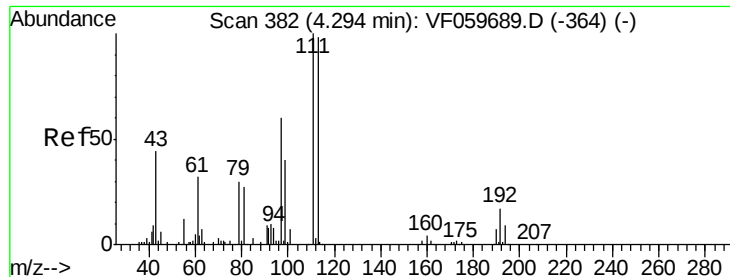
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#36
 1,1-Dichloropropene
 Concen: 49.155 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.3	14.0	41.9
77	30.4	24.2	36.2





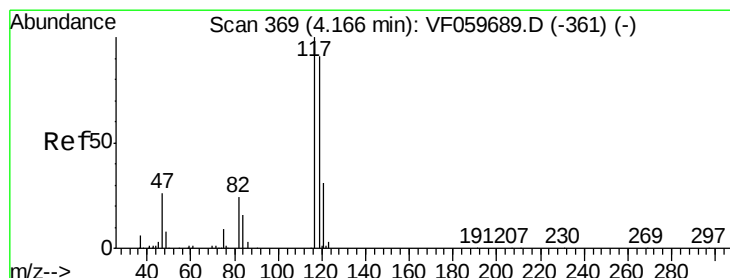
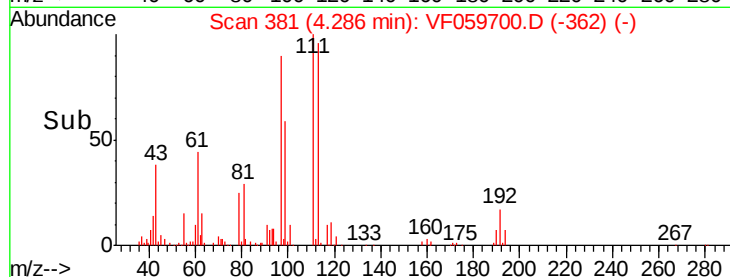
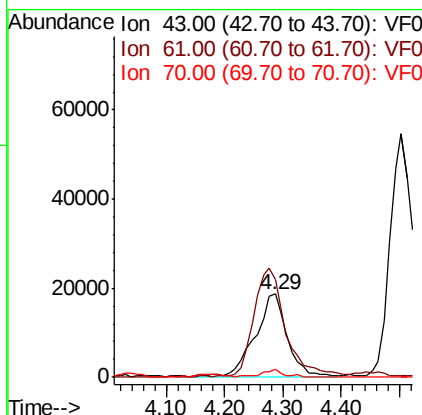
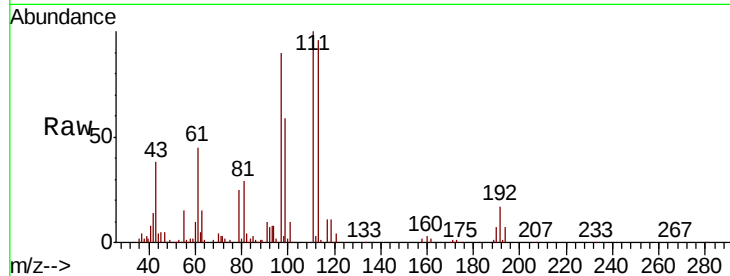
#37
Ethyl Acetate
Concen: 46.934 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						71598
61	117.2	58.2					87.2#
70	10.4	6.0					9.0#

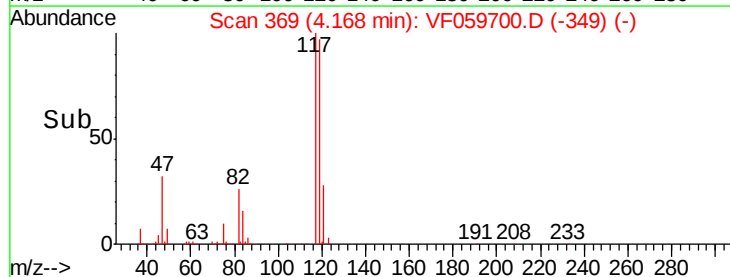
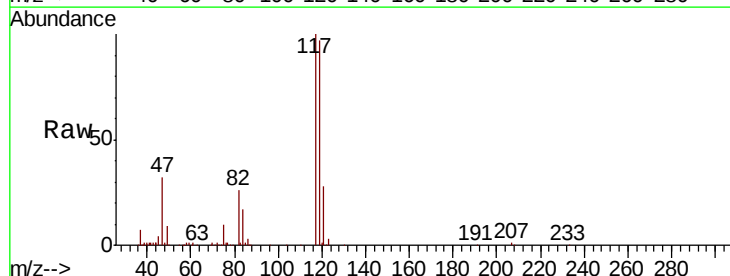
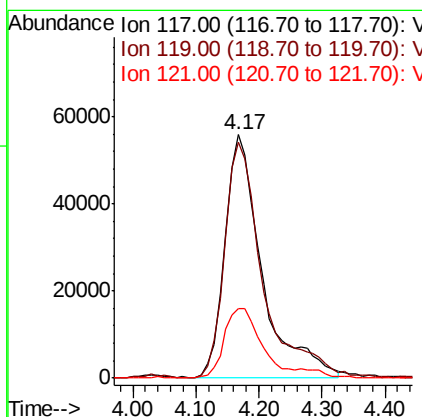
Manual Integrations
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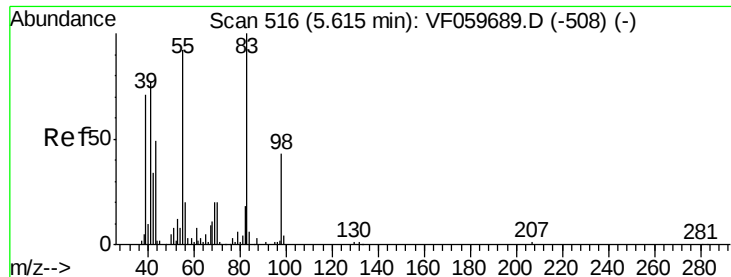
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#38
Carbon Tetrachloride
Concen: 47.071 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						227398
119	97.1	72.9					109.3
121	28.5	25.0					37.4





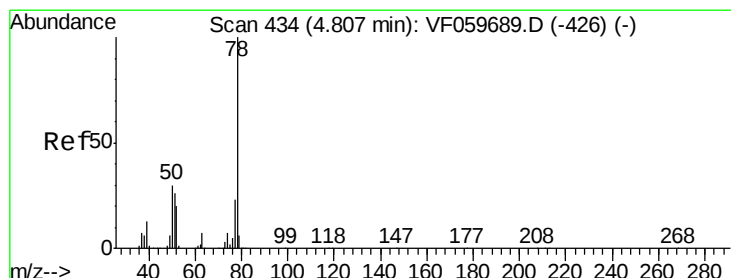
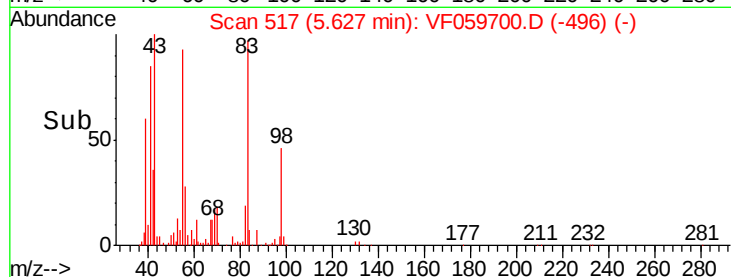
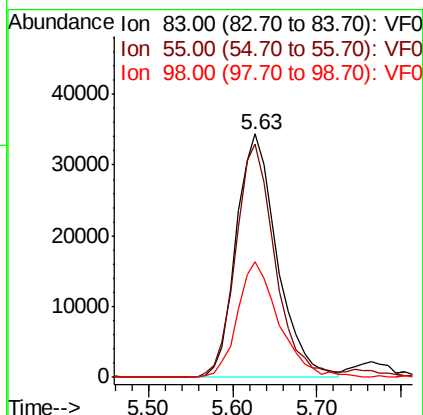
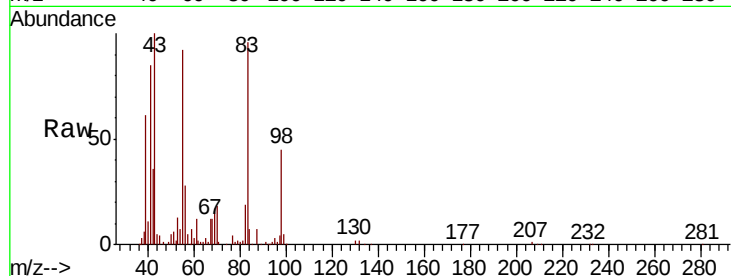
#39
Methvlcvclohexane
Concen: 49.742 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.0	73.4	110.2
98	47.2	34.2	51.4

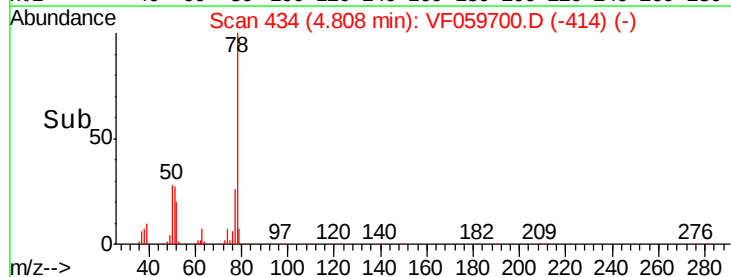
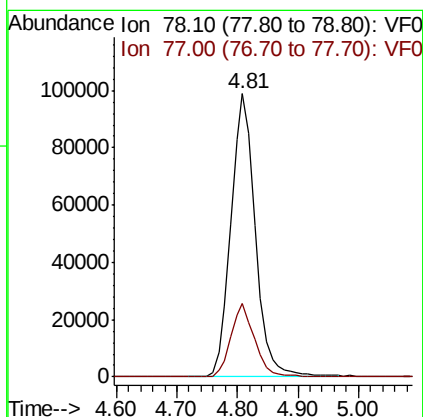
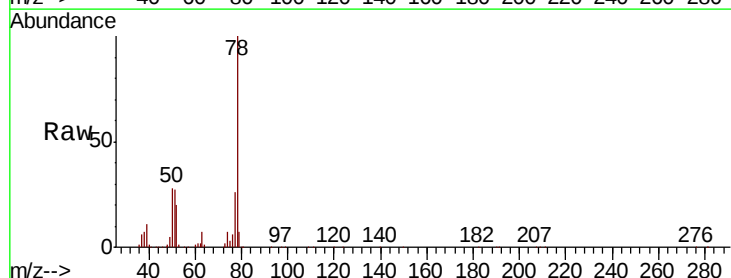
Manual Integrations
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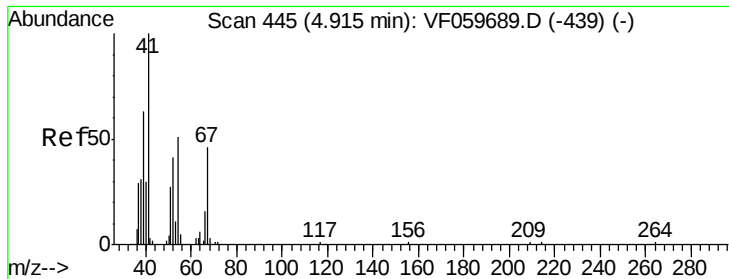
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#40
Benzene
Concen: 45.221 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.9	28.3





#41

Methacrylonitrile

Concen: 47.406 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

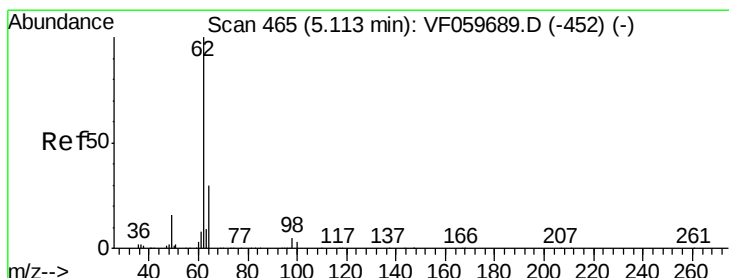
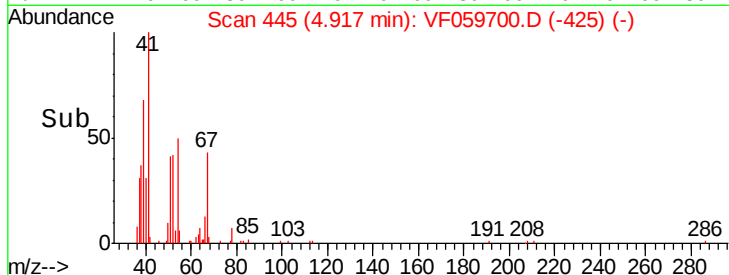
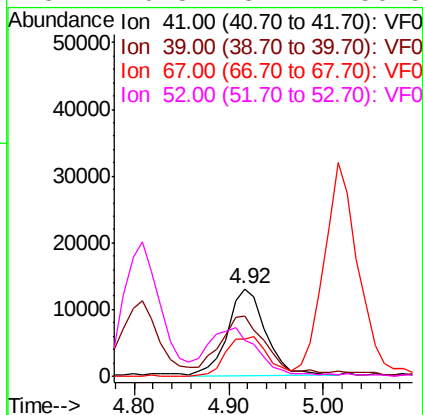
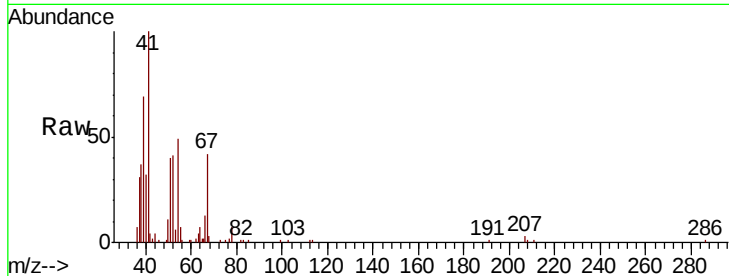
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
36372	41	100		
	39	69.4	55.2	82.8
	67	42.3	36.2	54.2
	52	40.8	37.7	56.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 44.644 ug/l

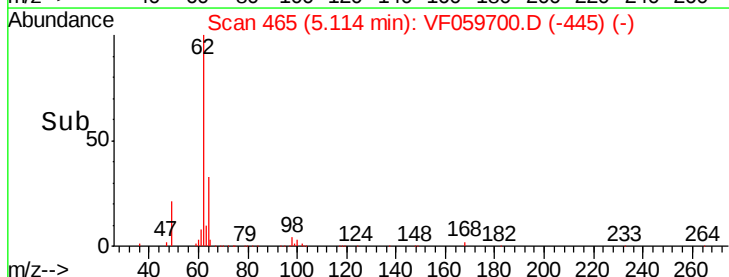
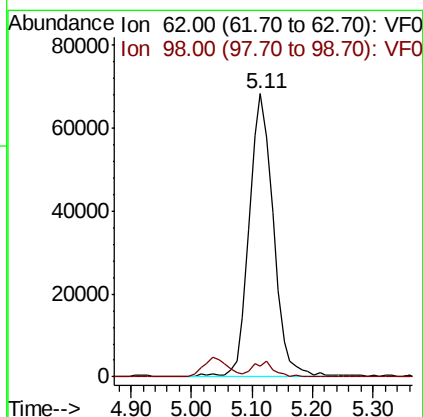
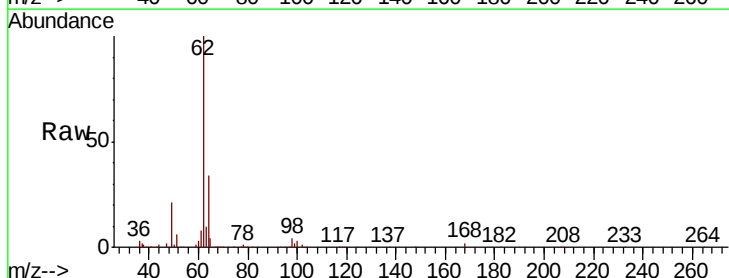
RT: 5.11 min Scan# 465

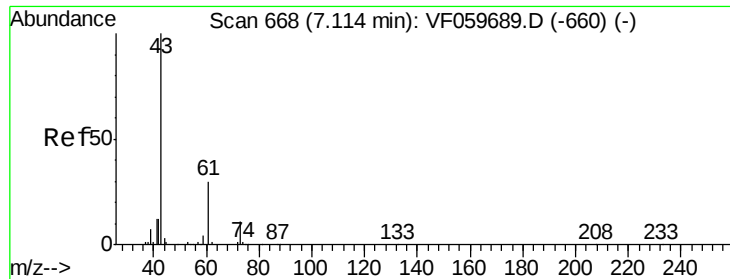
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
191717	62	100		
	98	4.0	0.0	9.6





#43

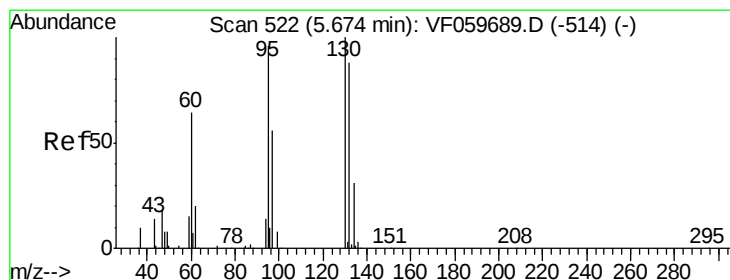
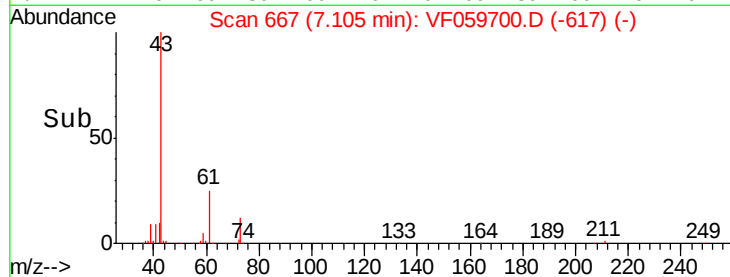
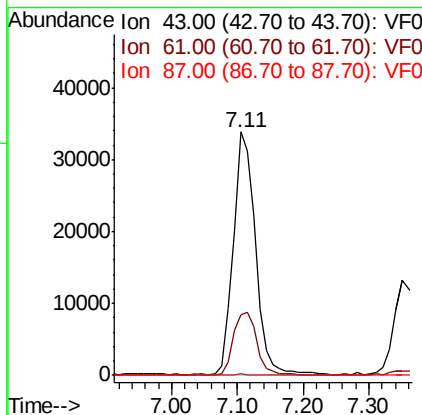
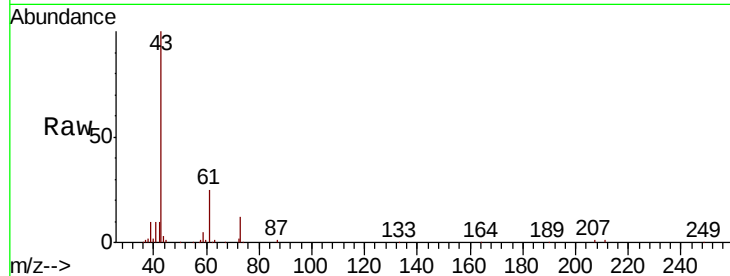
Isopropyl Acetate
 Concen: 44.478 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	80811
Ion Ratio	100	Lower	Upper
43	100		
61	24.6	23.8	35.8
87	0.7	0.6	1.0

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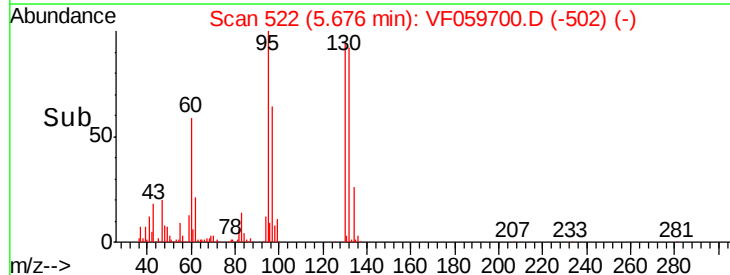
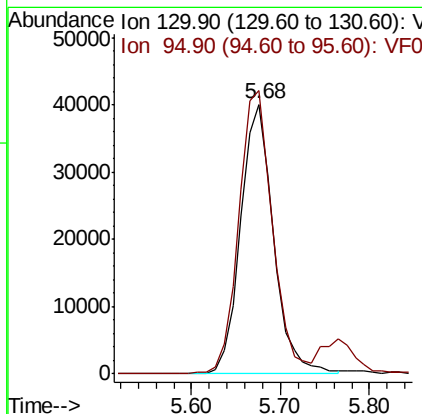
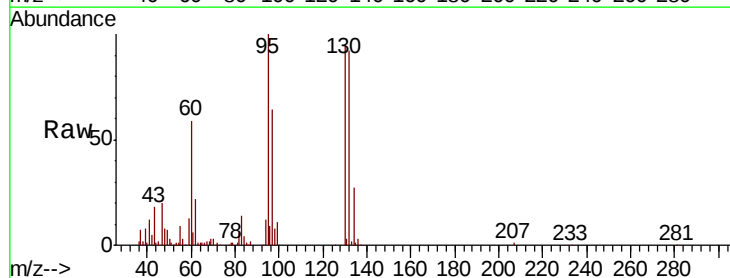
apatel
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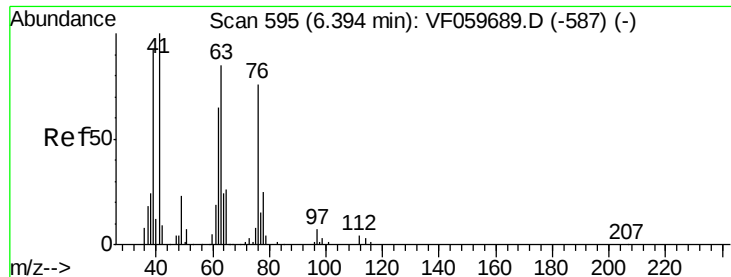


#44

Trichloroethene
 Concen: 49.768 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	130	Resp	102475
Ion Ratio	100	Lower	Upper
130	100		
95	105.0	0.0	191.0





#45

1,2-Dichloropropane

Concen: 47.296 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 76641

Ion Ratio Lower Upper

63 100

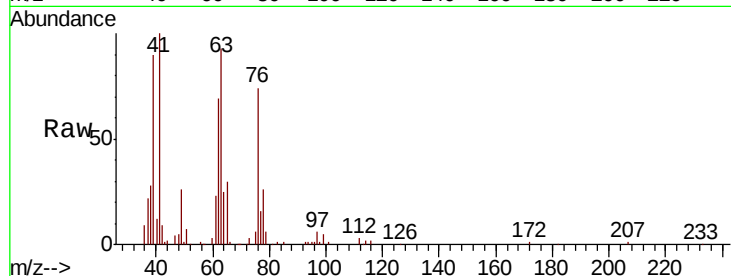
65 31.9 25.2 37.8

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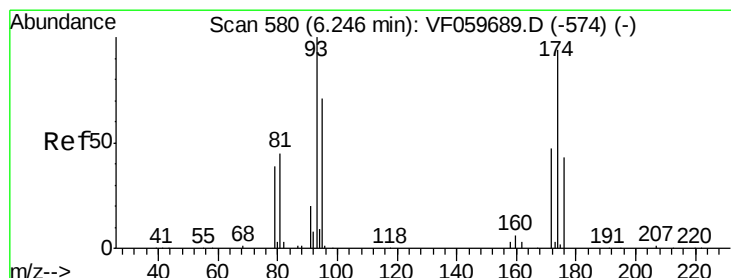
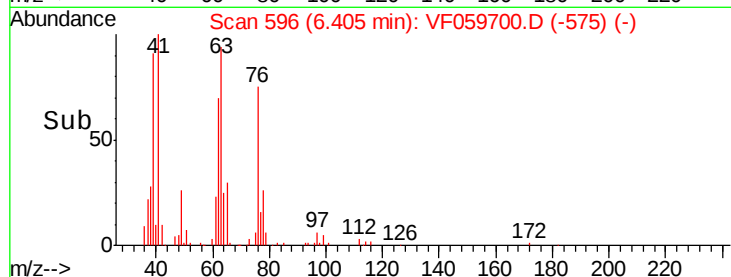
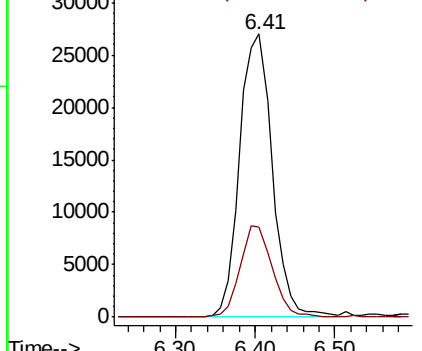
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 45.397 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

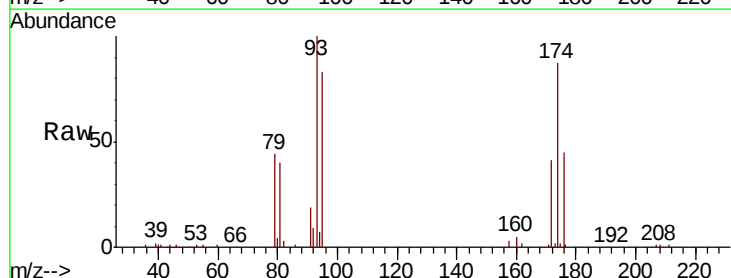
Tgt Ion: 93 Resp: 69843

Ion Ratio Lower Upper

93 100

95 83.2 57.1 85.7

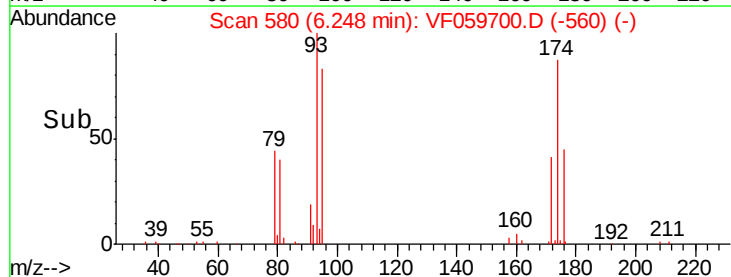
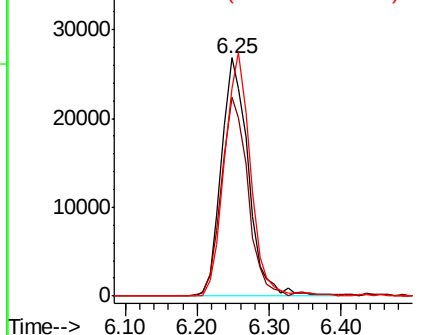
174 87.1 74.8 112.2

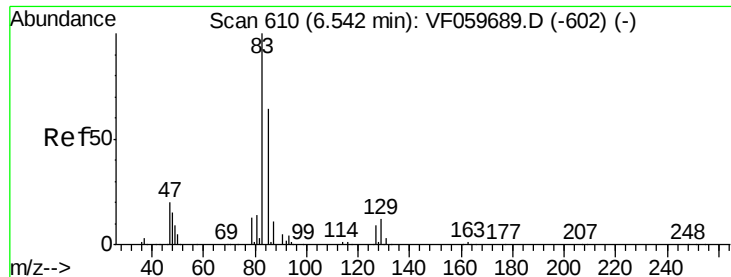


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 46.553 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

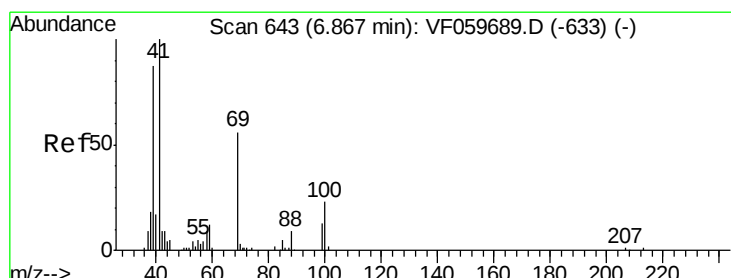
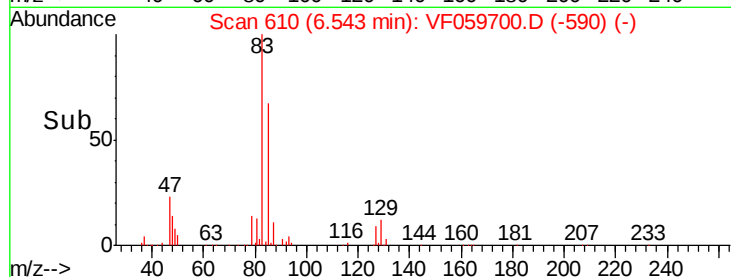
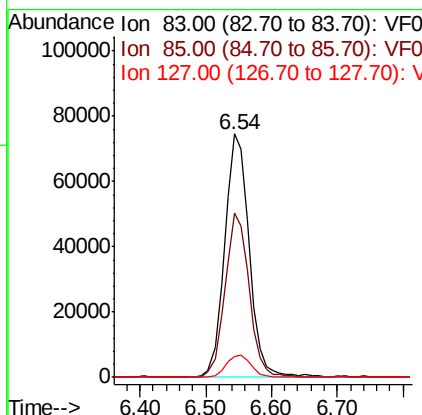
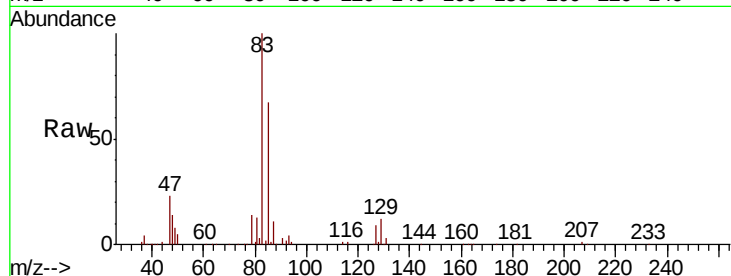
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195039
Ion Ratio	Lower	Upper	
83	100		
85	67.4	51.0	76.6
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 46.269 ug/l

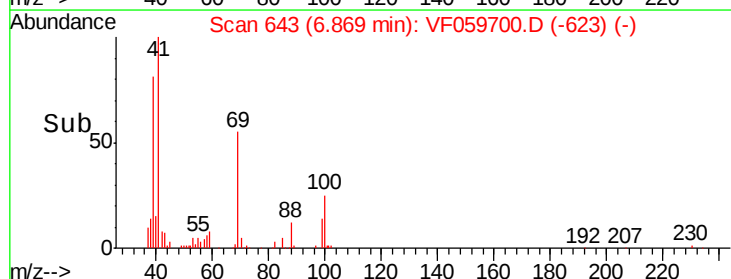
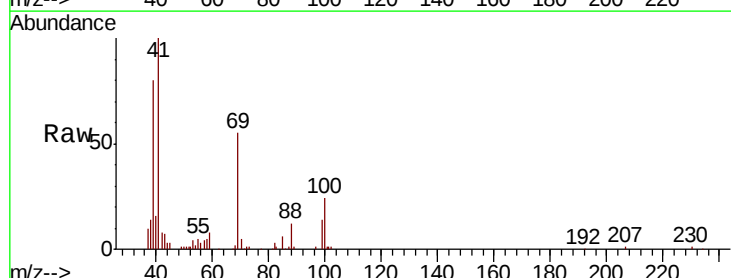
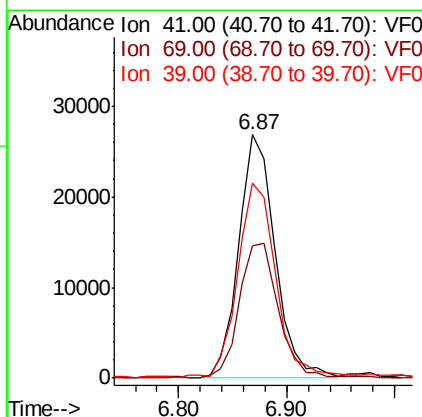
RT: 6.87 min Scan# 643

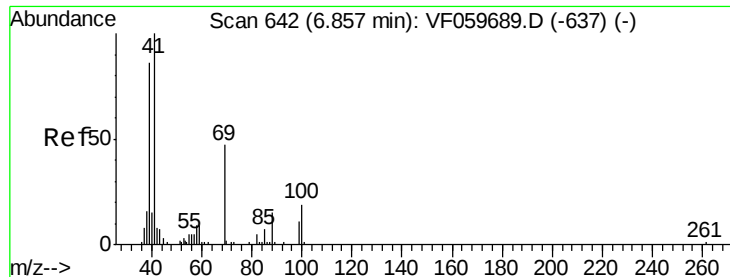
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion:	41	Resp:	63231
Ion Ratio	Lower	Upper	
41	100		
69	54.5	44.4	66.6
39	79.9	69.4	104.2





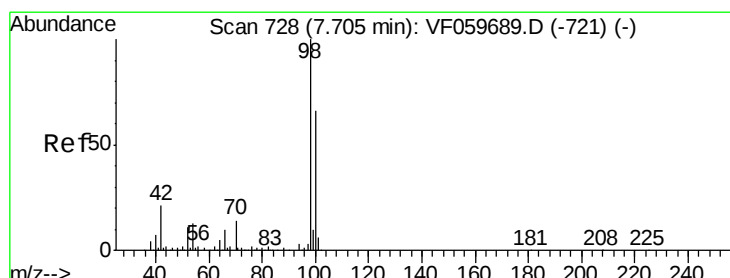
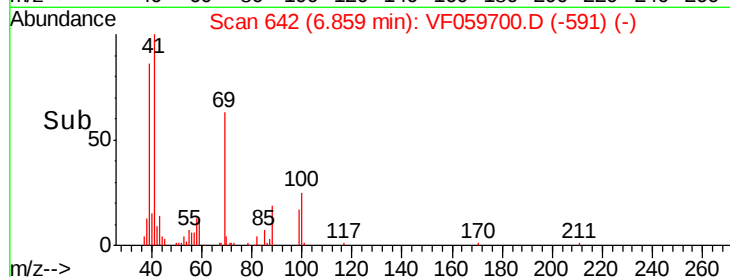
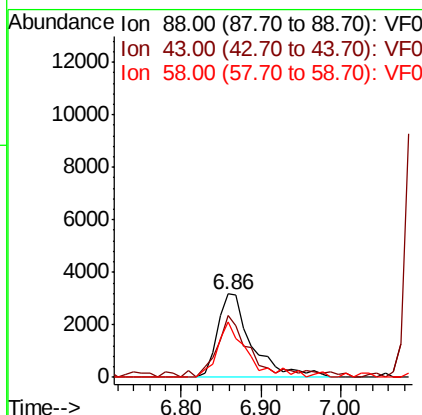
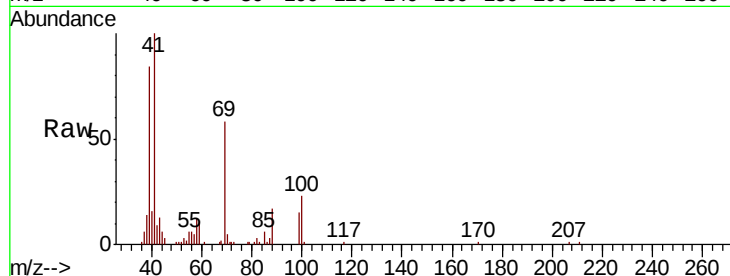
#49
1,4-Dioxane
Concen: 1083.455 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	73.8	45.2	67.8#
58	66.9	49.0	73.6

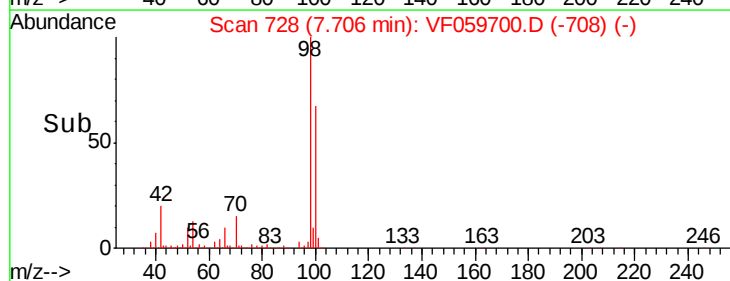
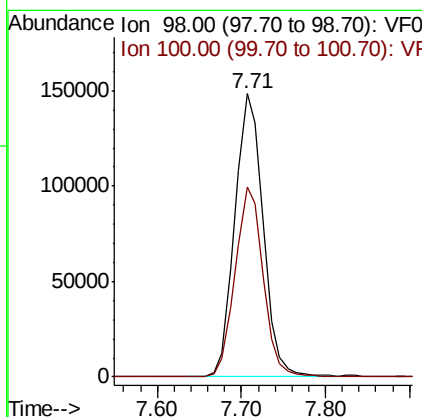
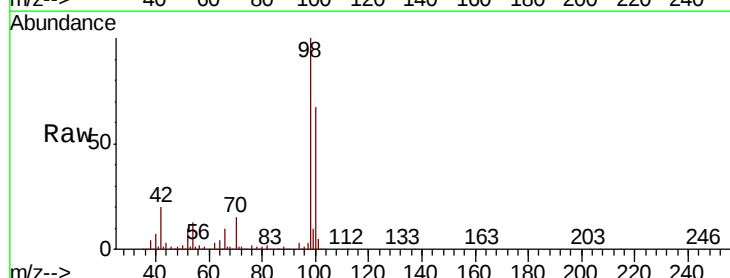
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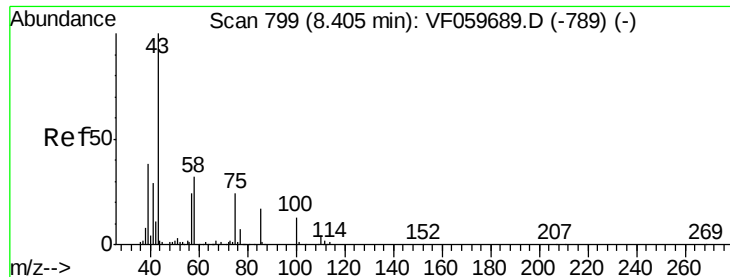
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#50
Toluene-d8
Concen: 47.333 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 238.260 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 329296

Ion Ratio Lower Upper

43 100

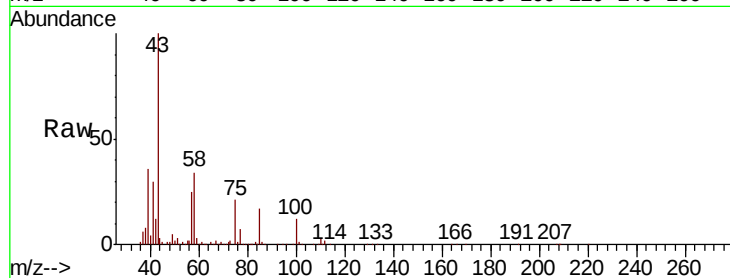
58 34.0 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

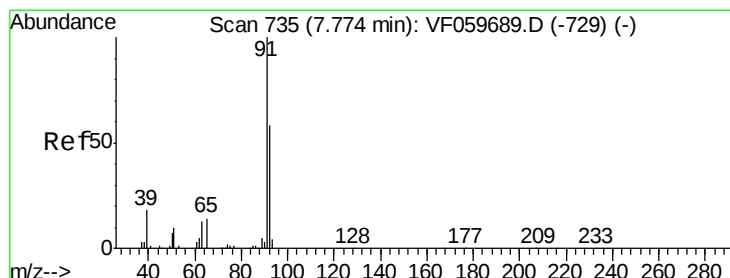
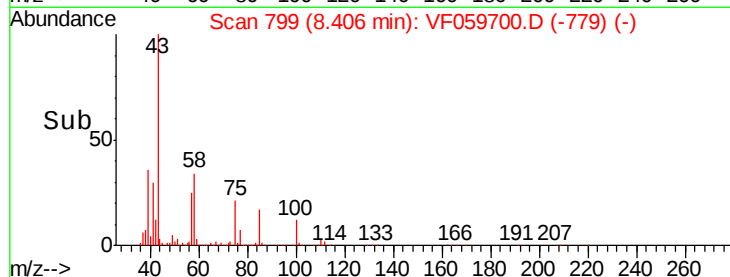
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 47.323 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059700.D

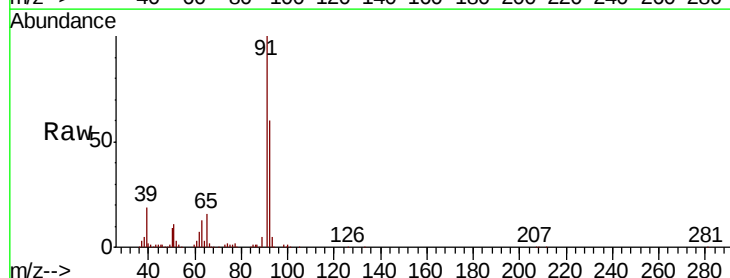
Acq: 31 Jul 2018 10:32

Tgt Ion: 92 Resp: 193894

Ion Ratio Lower Upper

92 100

91 167.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

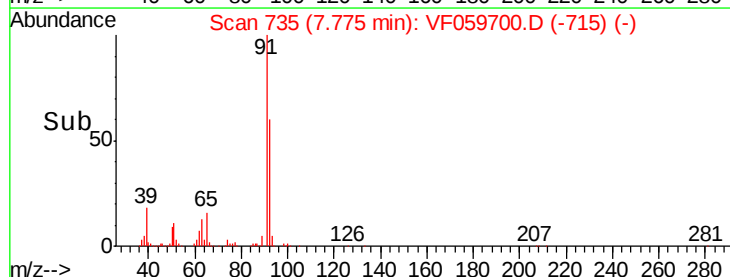
100000

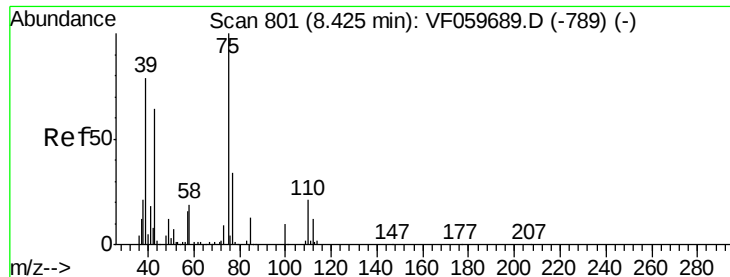
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.531 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 158249

Ion Ratio Lower Upper

75 100

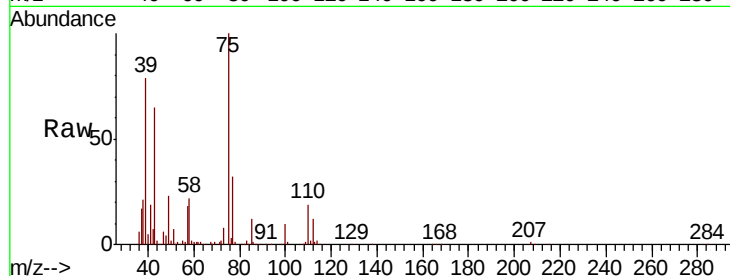
77 32.5 27.0 40.4

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

80000

60000

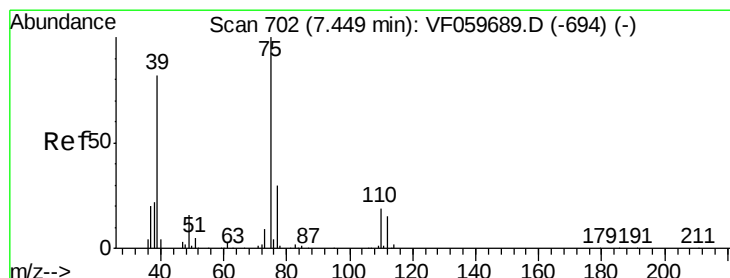
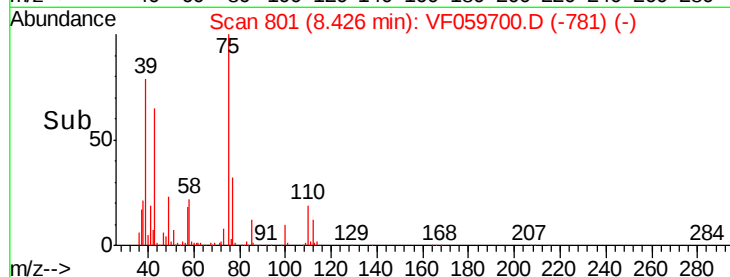
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.989 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

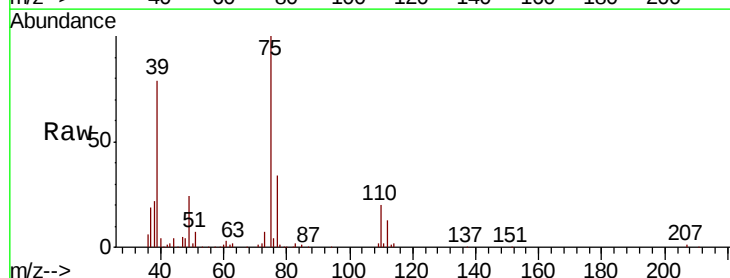
Tgt Ion: 75 Resp: 165459

Ion Ratio Lower Upper

75 100

77 34.0 24.0 36.0

39 78.6 65.4 98.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.46

80000

60000

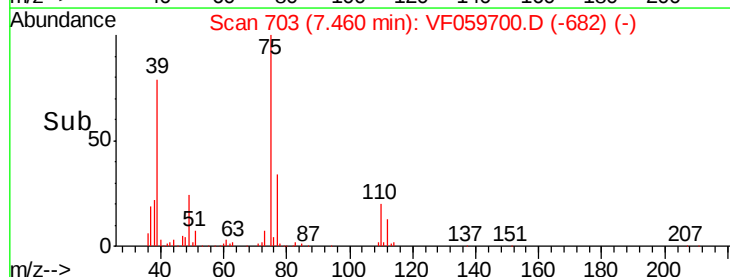
40000

20000

0

7.30 7.40 7.50 7.60

Time-->





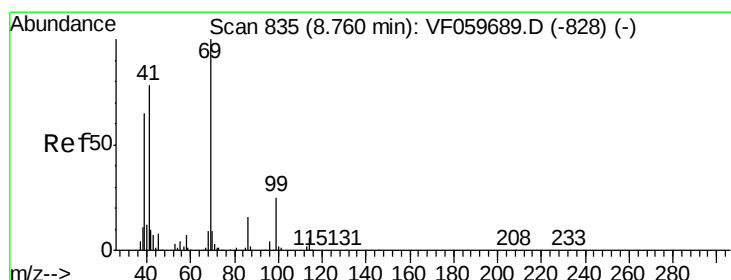
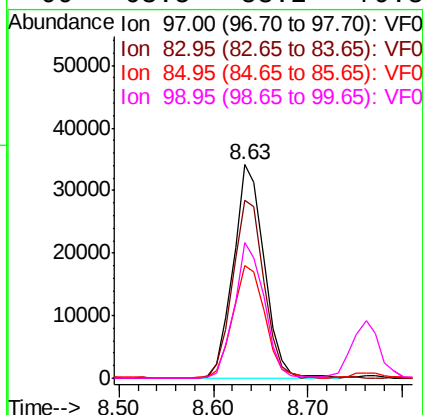
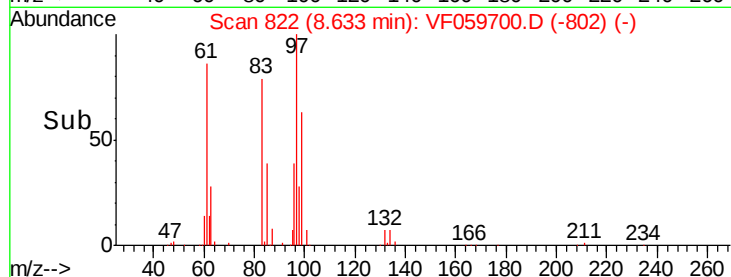
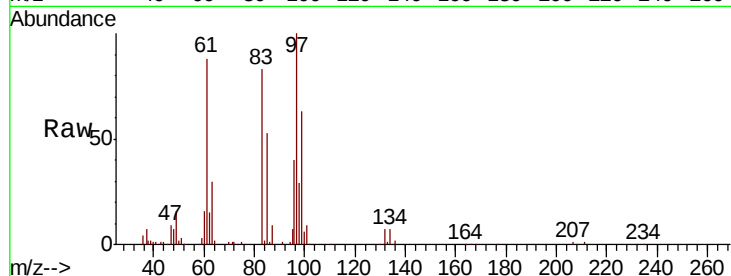
#55
 1,1,2-Trichloroethane
 Concen: 46.468 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	77223
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.6	100.0
85	52.8	47.4	71.0
99	63.5	53.2	79.8

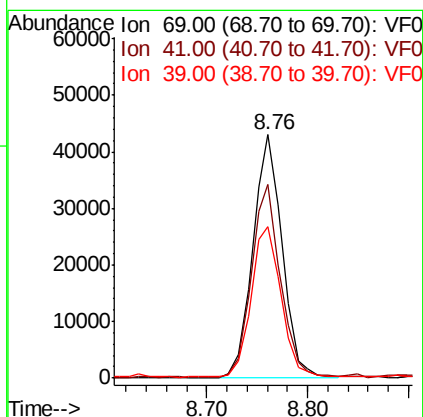
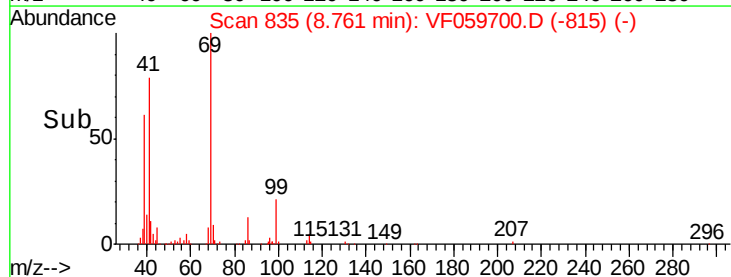
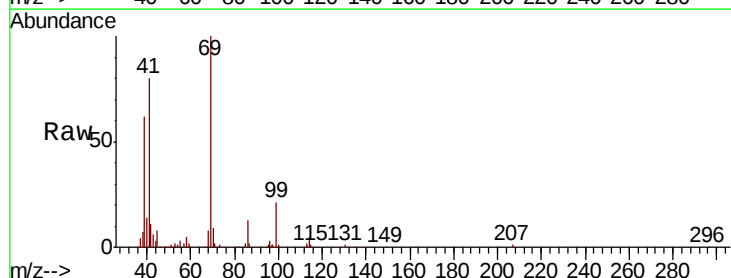
Manual Integrations
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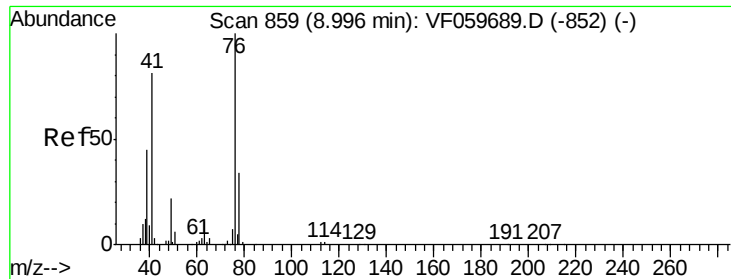
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#56
 Ethyl methacrylate
 Concen: 50.280 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion:	69	Resp:	87140
Ion	Ratio	Lower	Upper
69	100		
41	79.8	62.3	93.5
39	62.3	52.4	78.6





#57

1,3-Dichloropropane

Concen: 45.478 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 129656

Ion Ratio Lower Upper

76 100

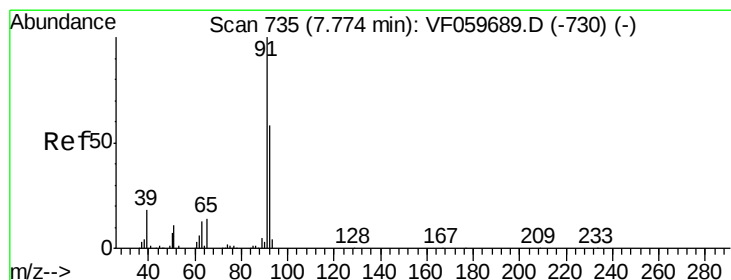
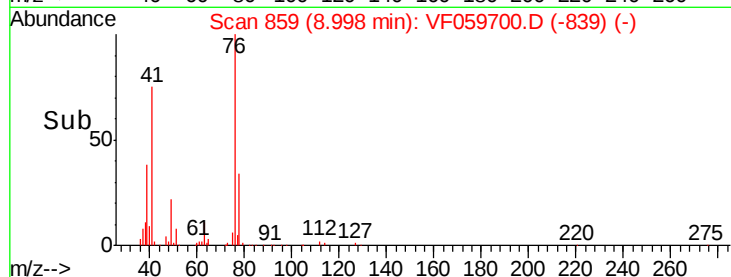
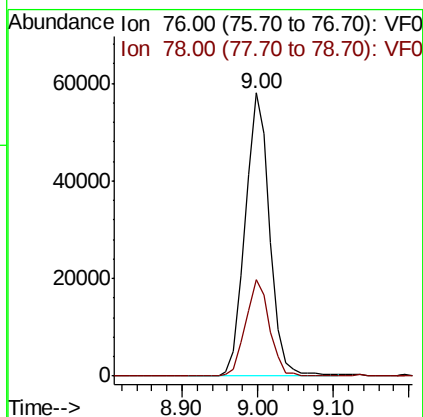
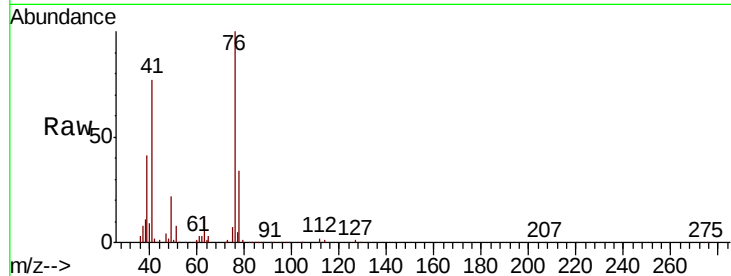
78 34.0 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 211.982 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059700.D

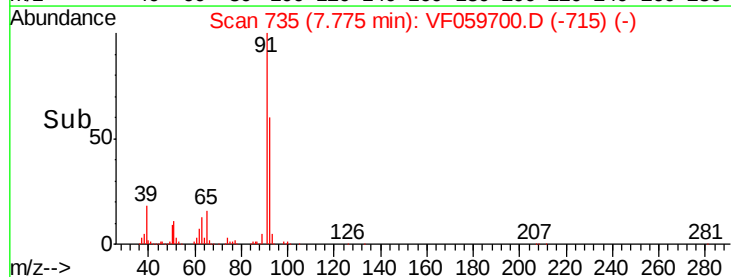
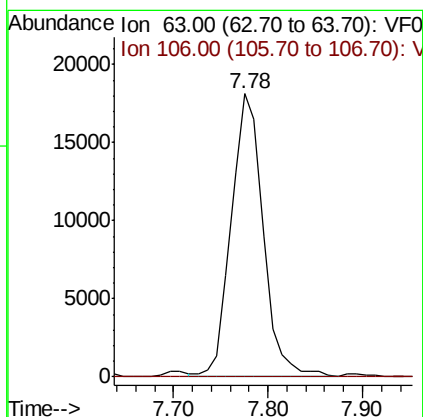
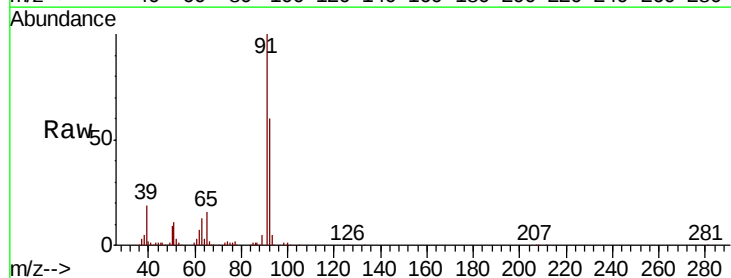
Acq: 31 Jul 2018 10:32

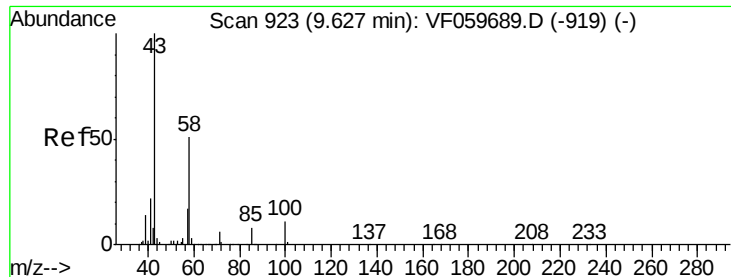
Tgt Ion: 63 Resp: 42418

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





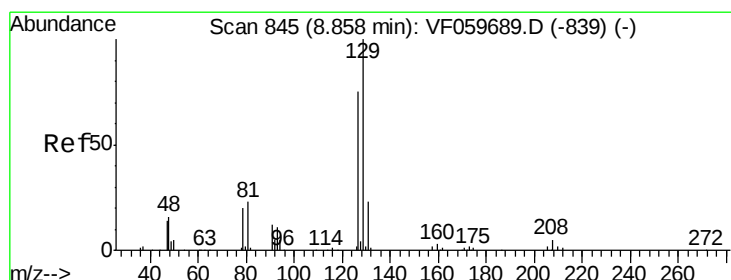
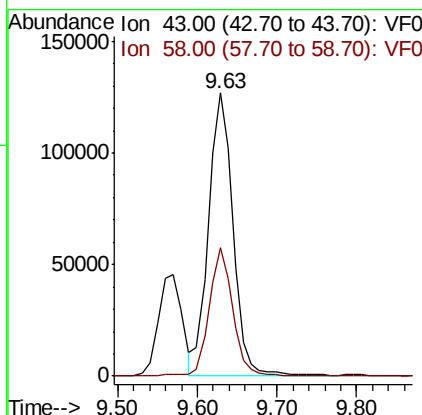
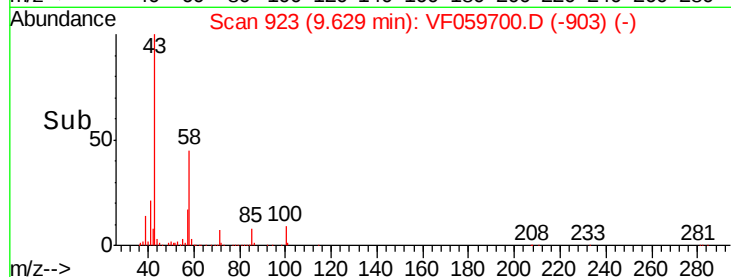
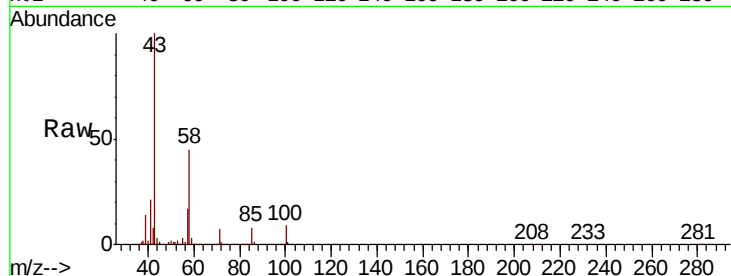
#59
2-Hexanone
Concen: 246.695 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 273225
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8

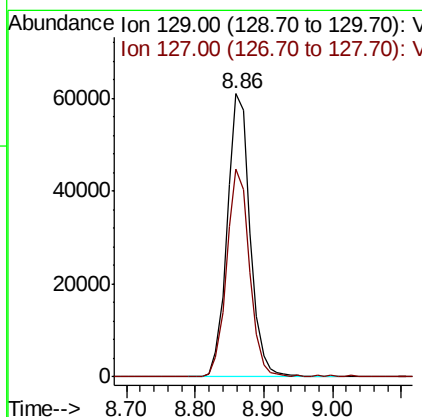
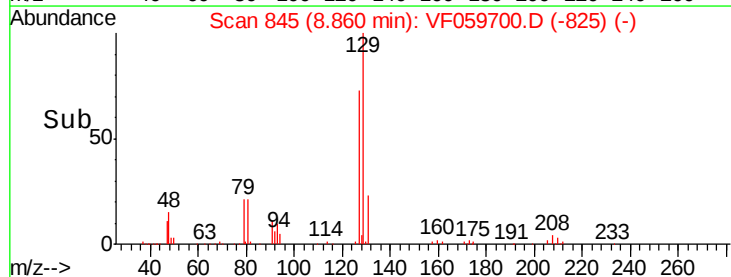
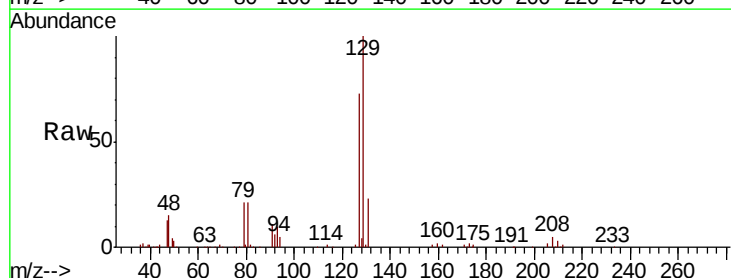
Manual Integrations
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#60
Dibromochloromethane
Concen: 47.732 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 129 Resp: 139971
Ion Ratio Lower Upper
129 100
127 73.3 37.7 113.1





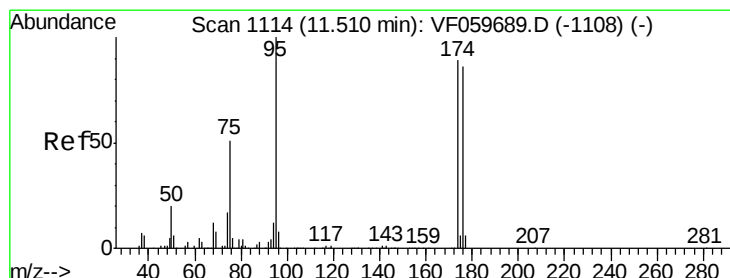
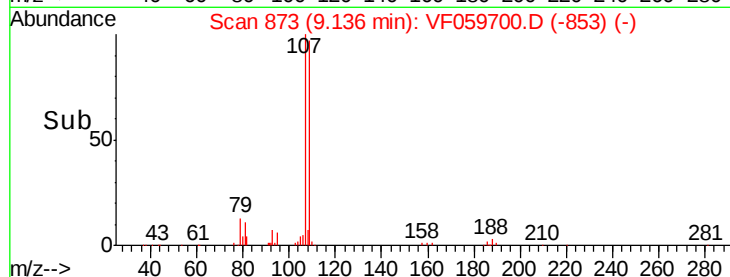
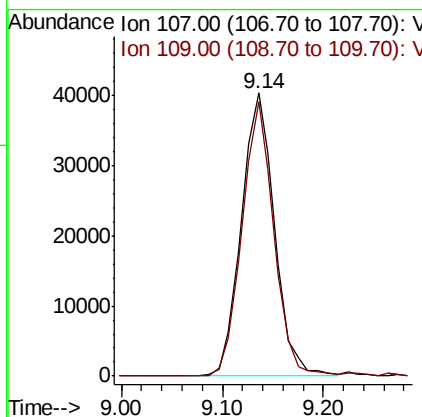
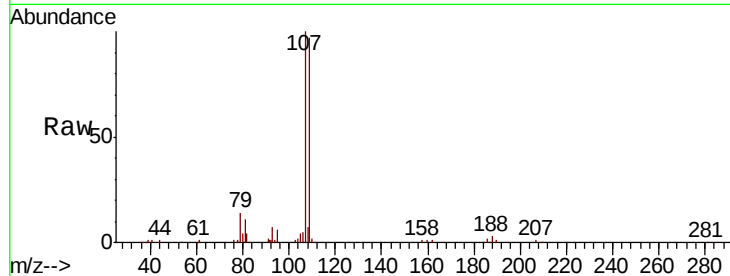
#61
 1,2-Dibromoethane
 Concen: 47.579 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	73.6	110.4

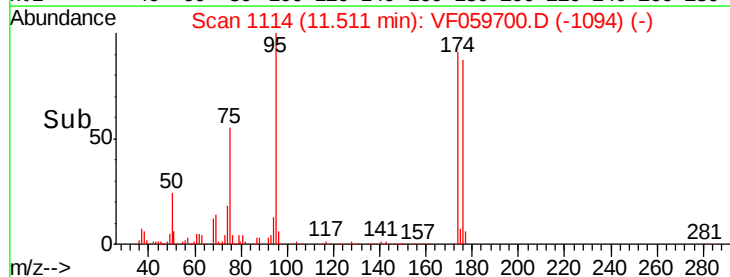
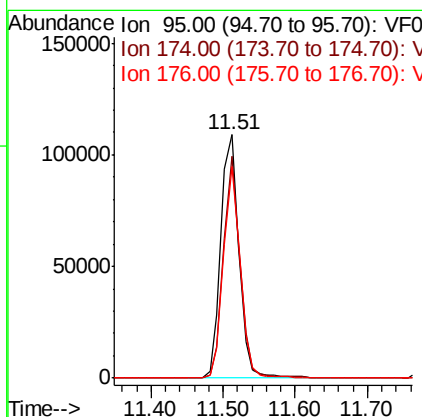
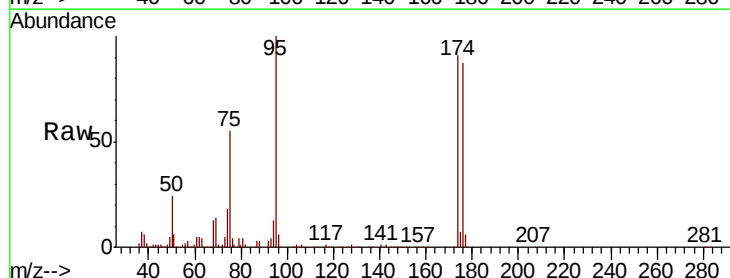
Manual Integrations
 APPROVED

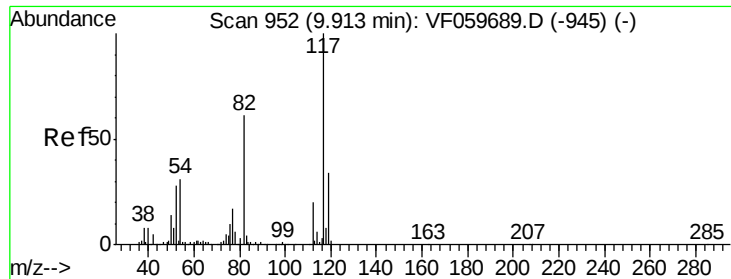
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.689 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	178.4
176	87.0	0.0	173.0





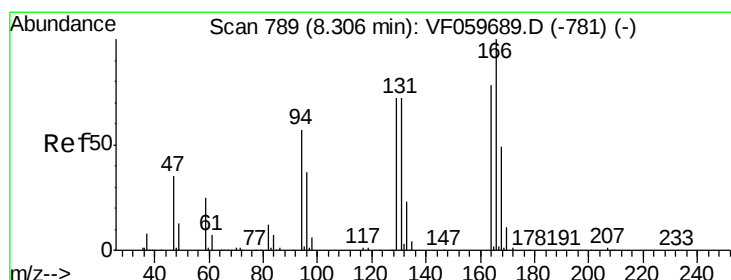
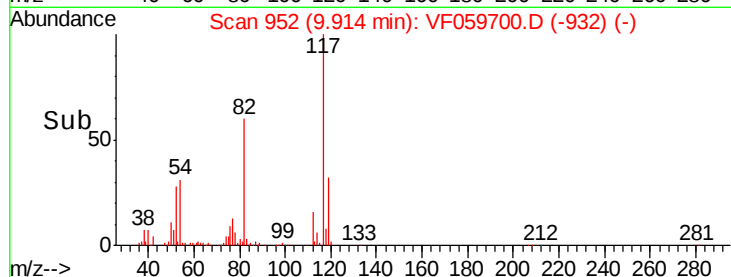
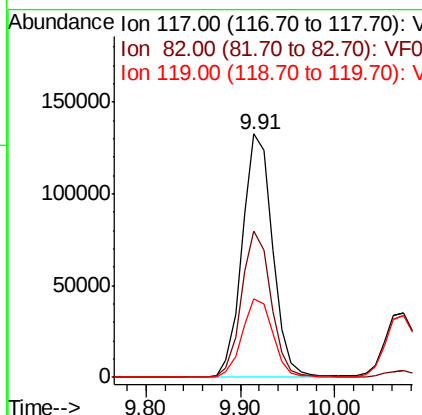
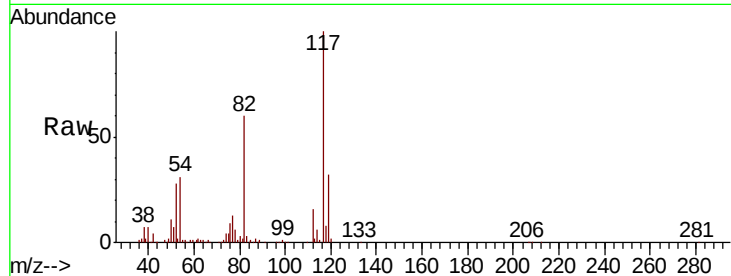
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	49.0	73.4
119	32.3	27.3	40.9

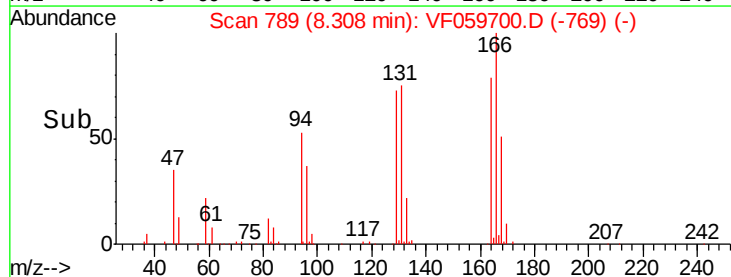
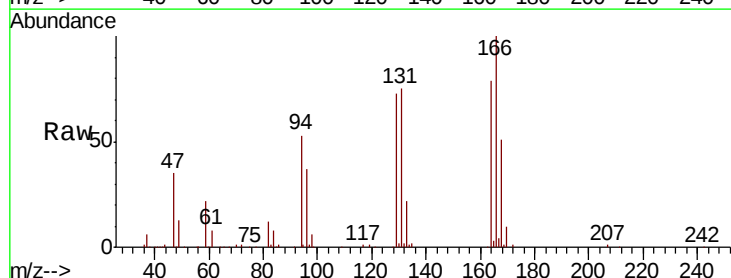
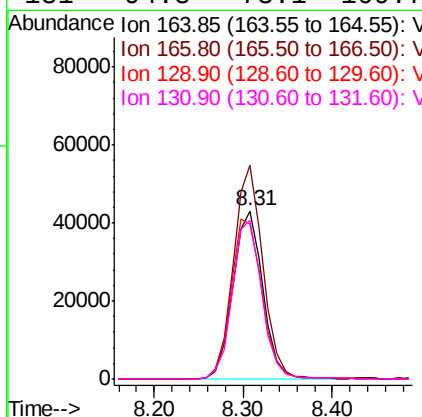
Manual Integrations
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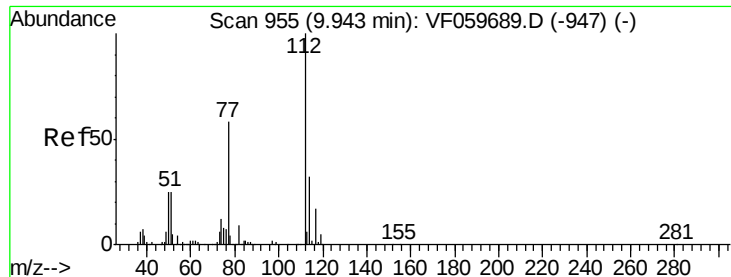
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#64
Tetrachloroethene
Concen: 50.261 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.1	153.1
129	92.5	73.8	110.6
131	94.8	73.1	109.7





#65

Chlorobenzene

Concen: 45.613 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 270873

Ion Ratio Lower Upper

112 100

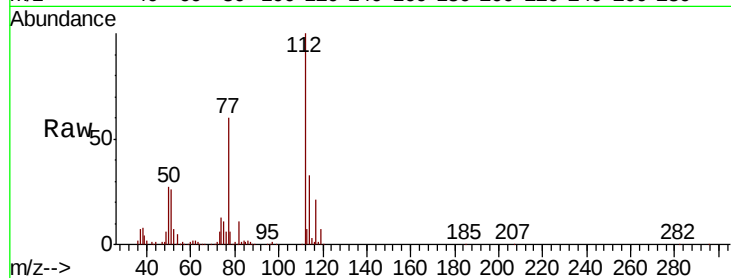
114 32.9 25.6 38.4

Manual Integrations

APPROVED

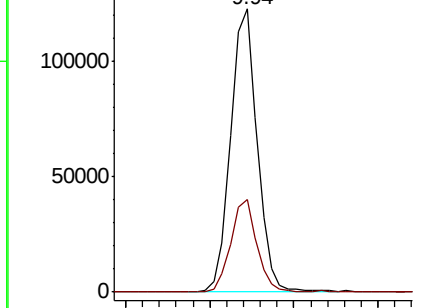
apatel

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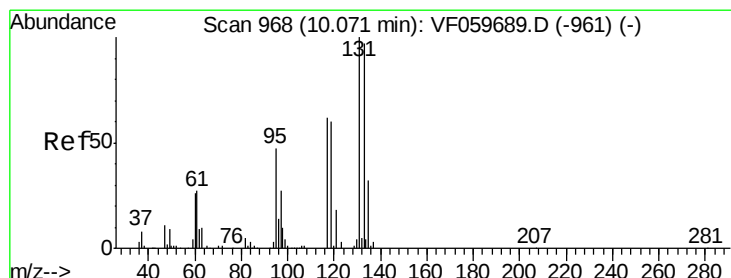
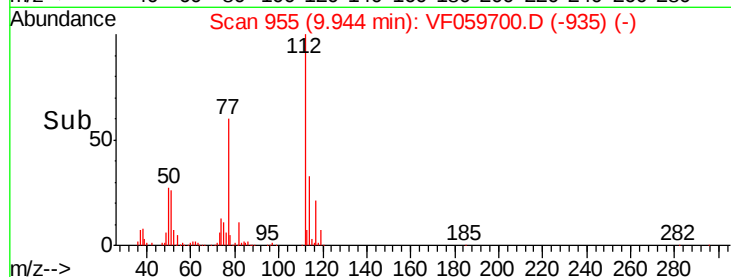


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.981 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

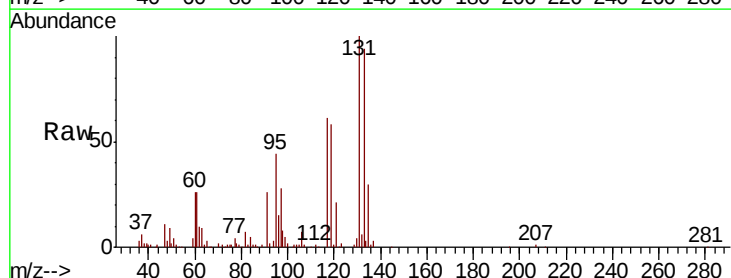
Tgt Ion:131 Resp: 130254

Ion Ratio Lower Upper

131 100

133 93.7 48.5 145.5

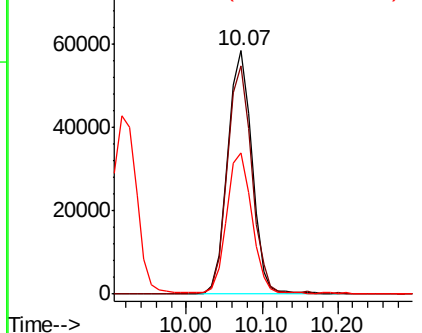
119 58.0 30.3 90.8



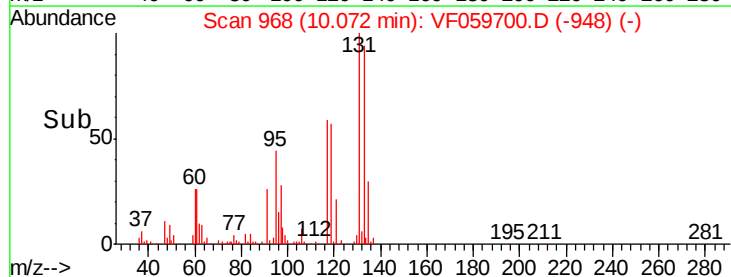
Abundance Ion 131.00 (130.70 to 131.70): V

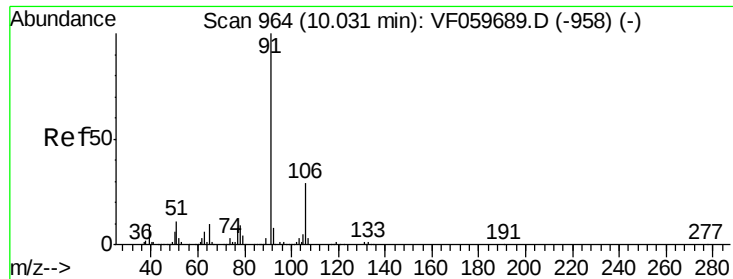
Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->





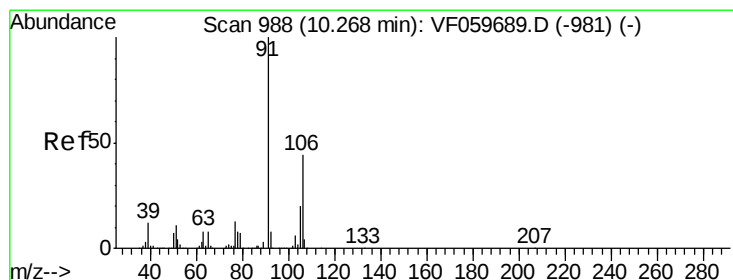
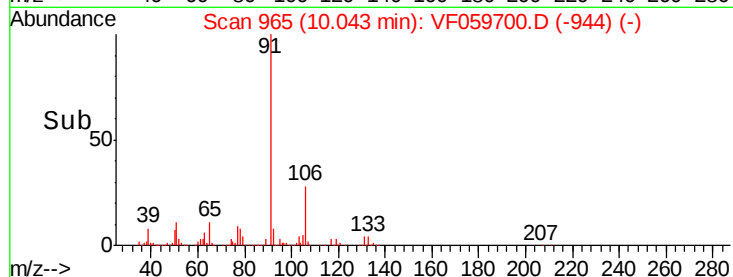
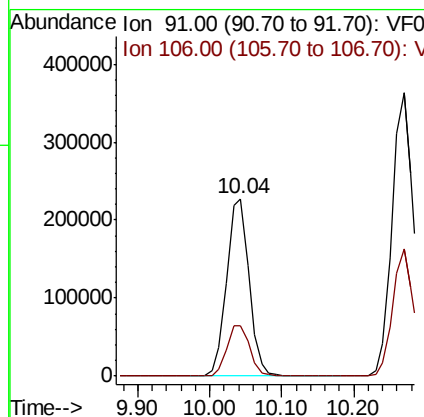
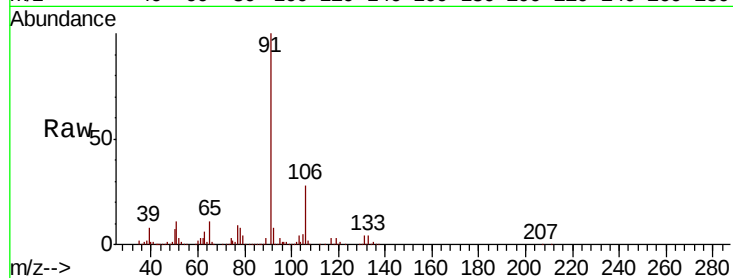
#67
Ethyl Benzene
Concen: 48.061 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 493812
Ion Ratio Lower Upper
91 100
106 28.4 22.9 34.3

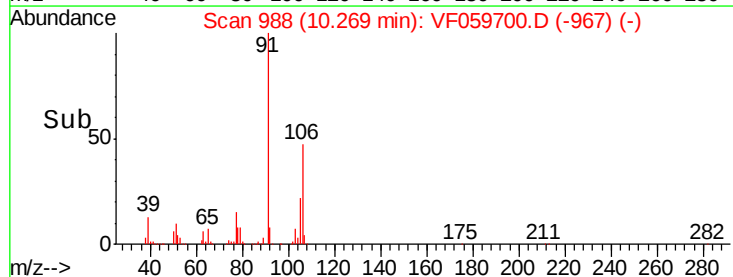
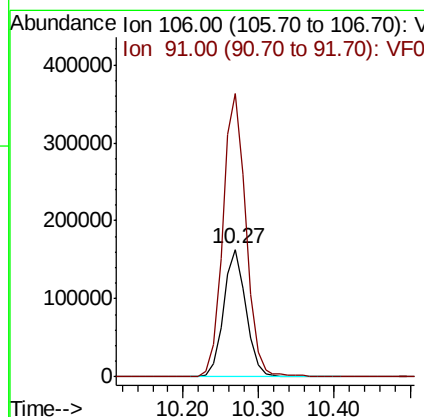
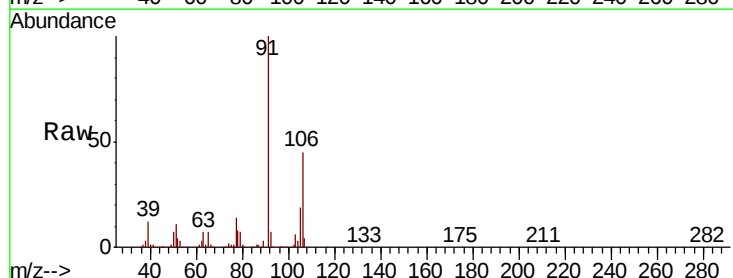
Manual Integrations
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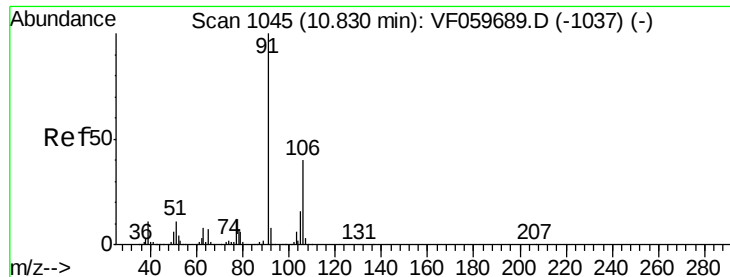
apatel
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#68
m/p-Xylenes
Concen: 105.043 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion: 106 Resp: 335690
Ion Ratio Lower Upper
106 100
91 222.0 181.7 272.5





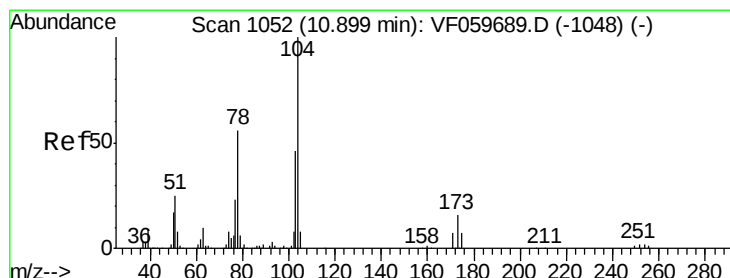
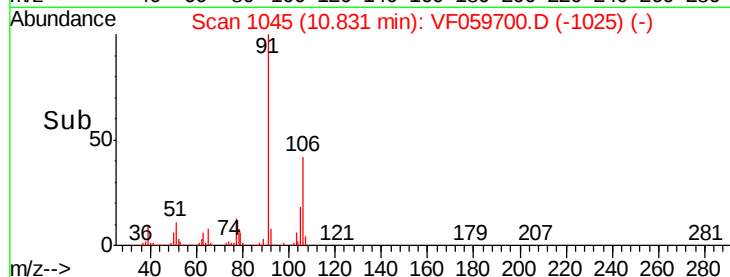
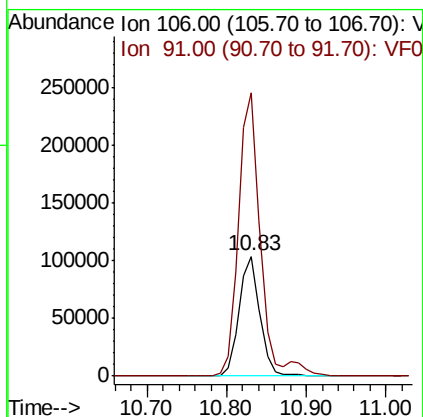
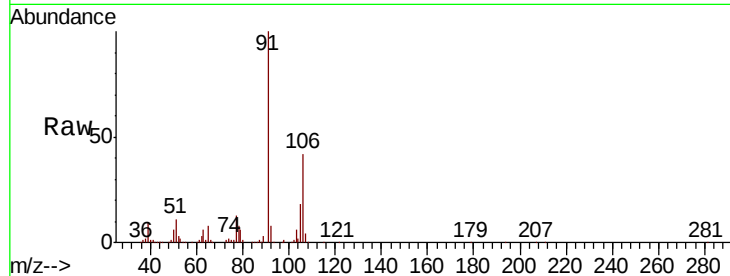
#69
o-Xylene
Concen: 49.839 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	236.5	124.6	373.7

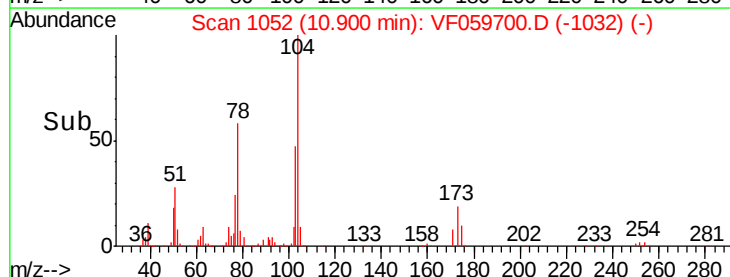
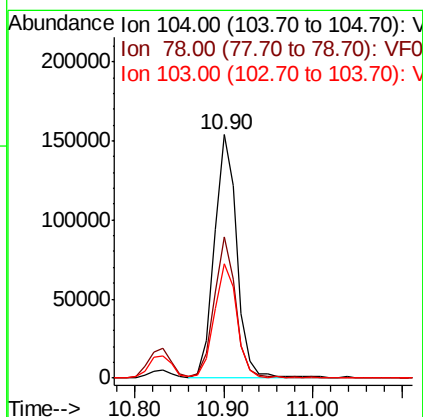
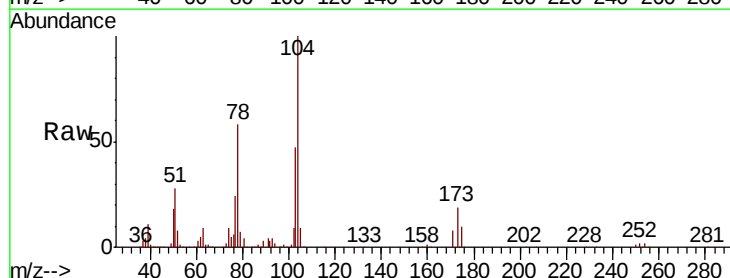
Manual Integrations
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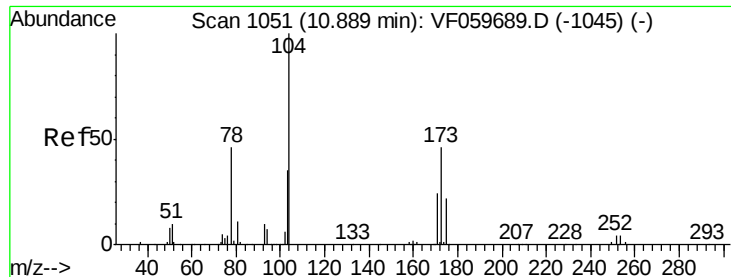
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#70
Styrene
Concen: 46.907 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.8	45.3	67.9
103	46.9	36.6	54.8





#71

Bromoform

Concen: 47.155 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

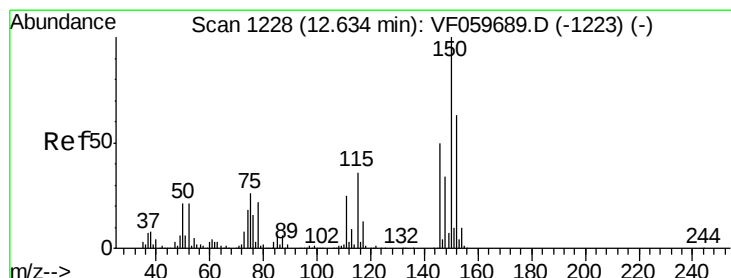
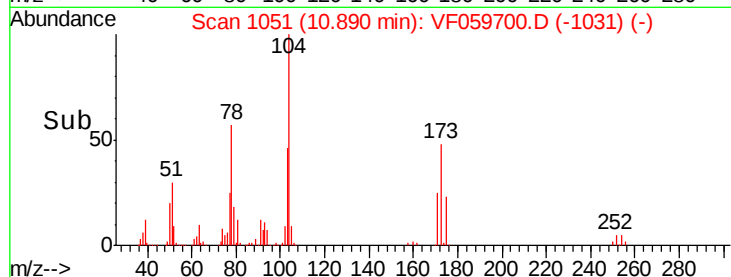
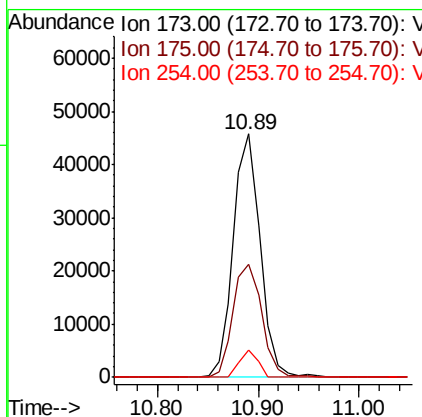
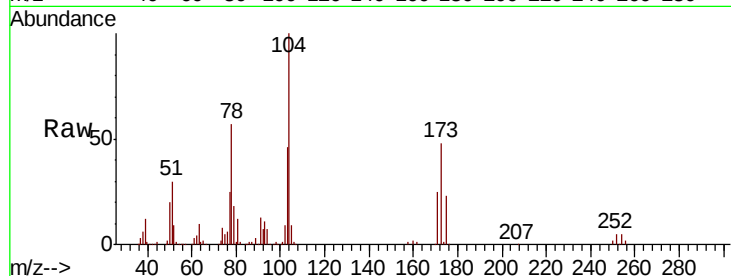
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.4	70.0
254	11.3	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

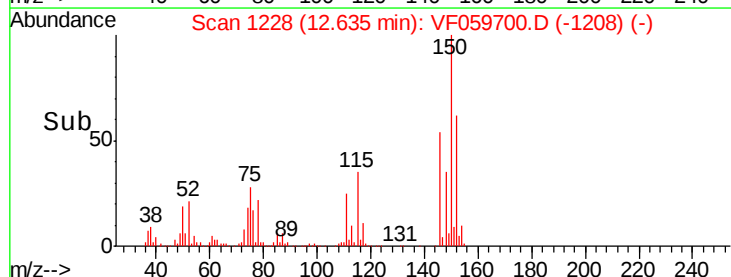
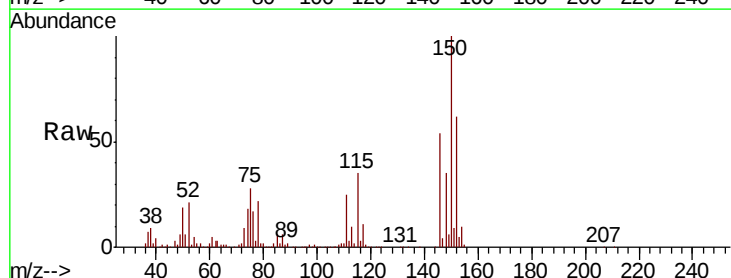
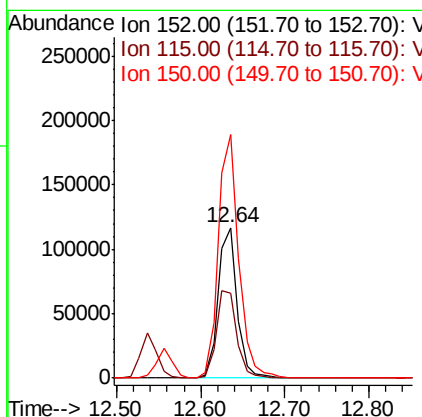
RT: 12.64 min Scan# 1228

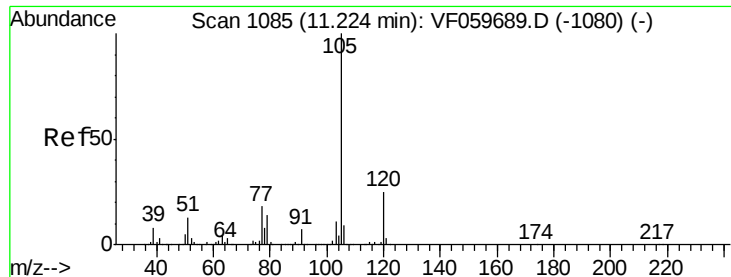
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.2	84.6
150	161.4	0.0	316.2





#73

Isopropylbenzene

Concen: 48.734 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 587952

Ion Ratio Lower Upper

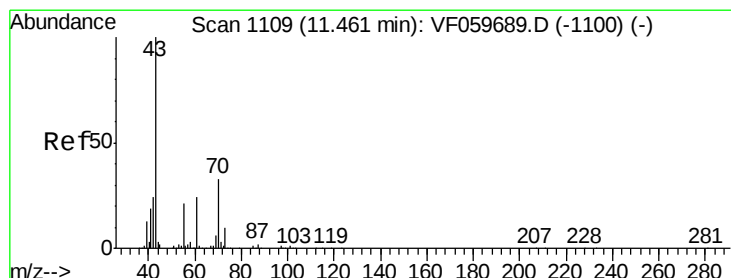
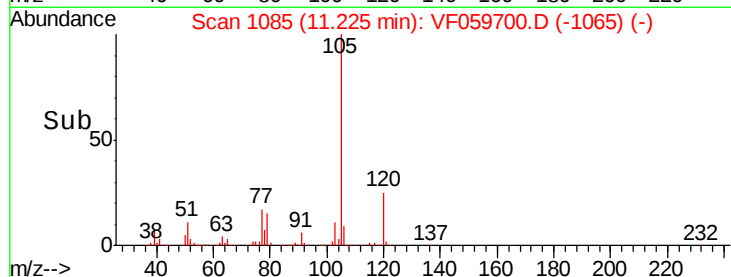
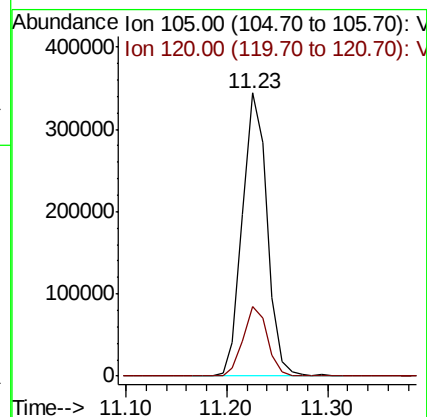
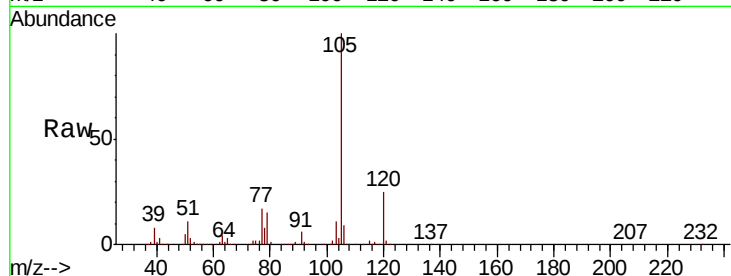
105 100

120 24.6 12.4 37.4

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#74

N-ethyl acetate

Concen: 47.721 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion: 43 Resp: 145253

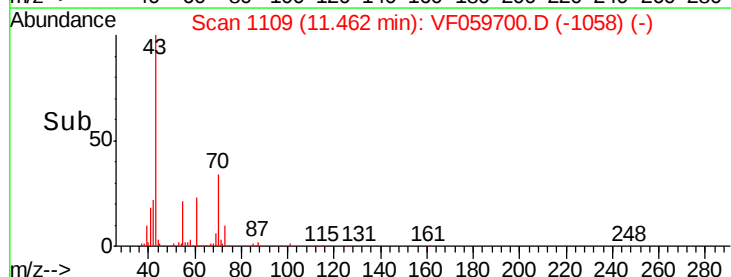
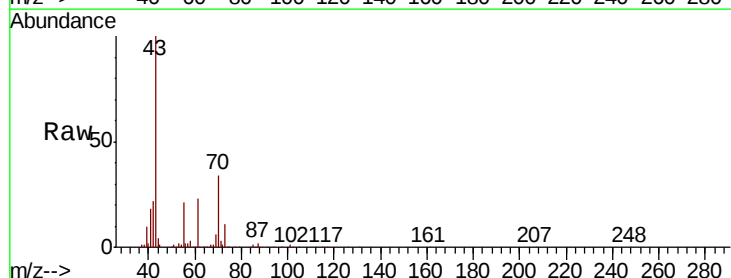
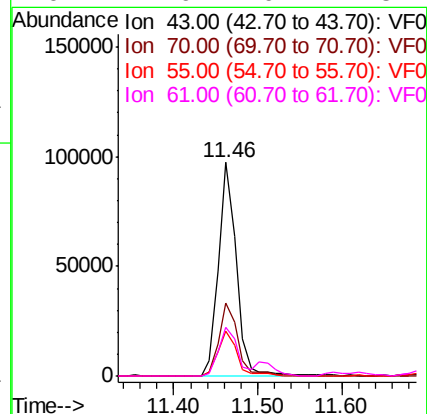
Ion Ratio Lower Upper

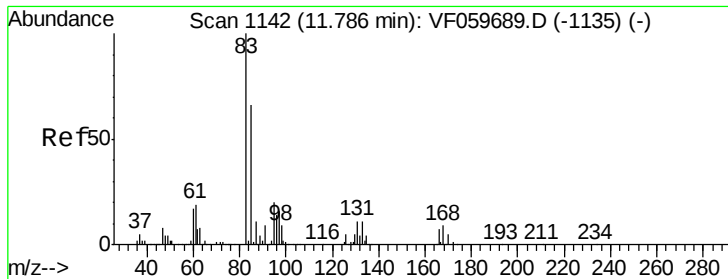
43 100

70 34.4 26.3 39.5

55 20.7 16.6 25.0

61 22.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.572 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

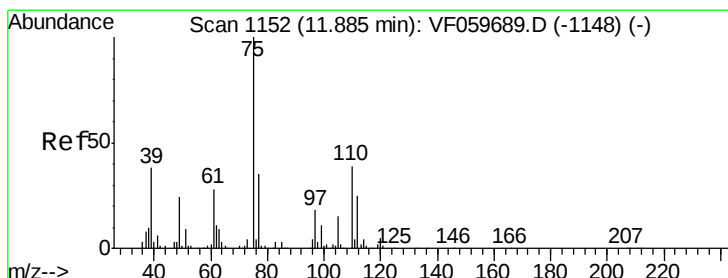
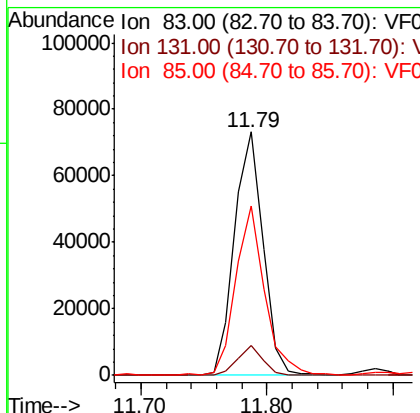
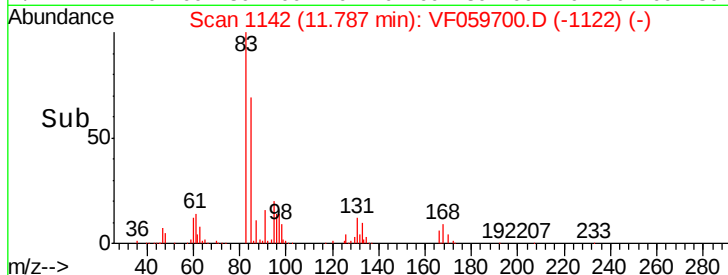
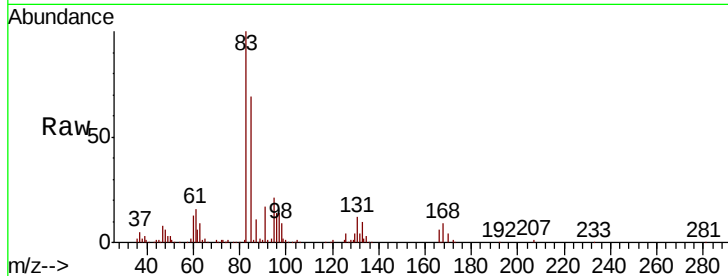
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114850
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.8	17.3
85	69.3	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 45.419 ug/l

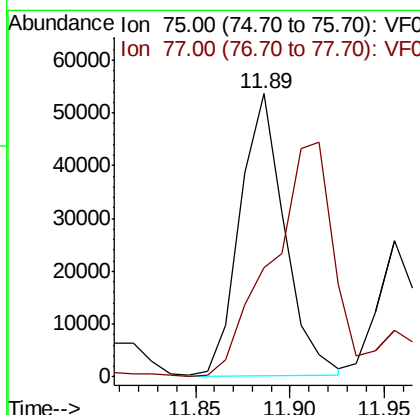
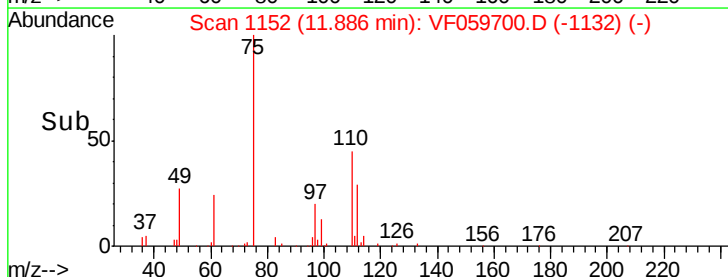
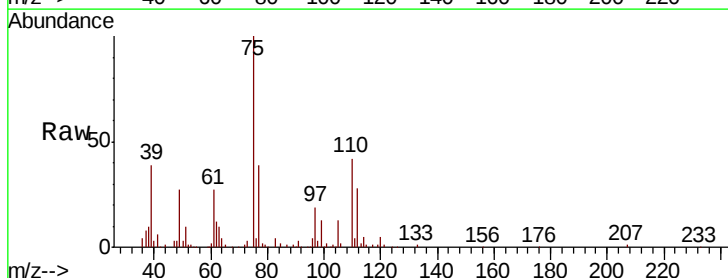
RT: 11.89 min Scan# 1152

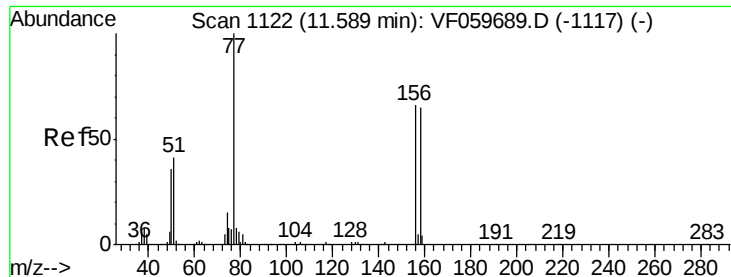
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion:	75	Resp:	87710
Ion Ratio	Lower	Upper	
75	100		
77	38.7	18.0	54.0





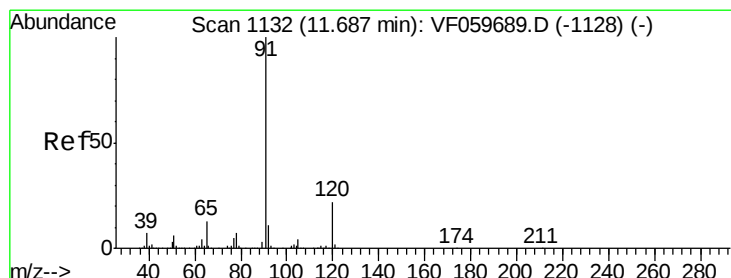
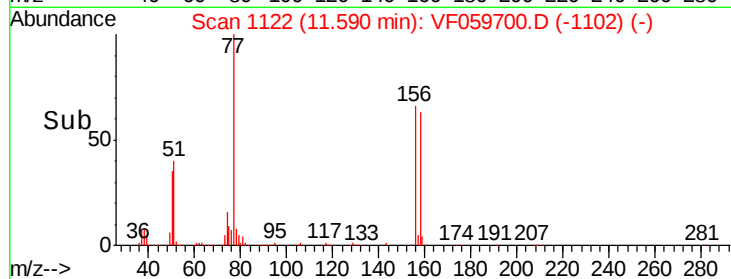
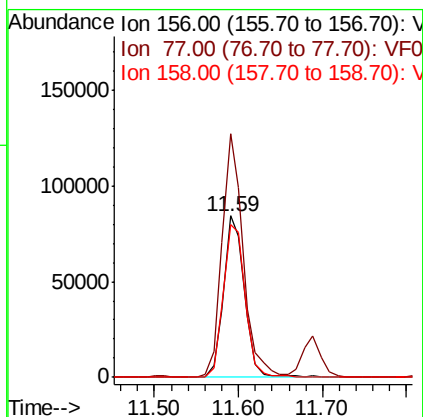
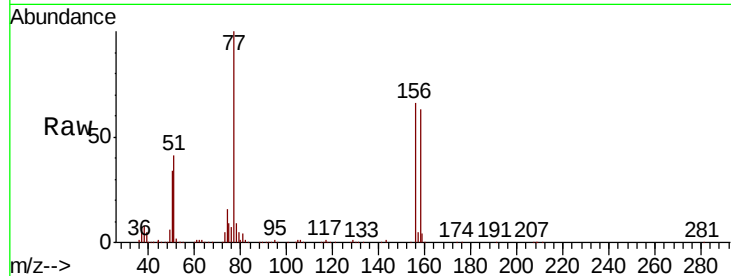
#77
Bromobenzene
Concen: 45.929 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.9	75.2	225.6	
158	95.0	49.1	147.3	

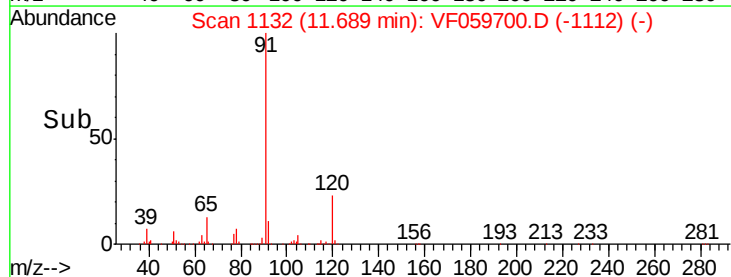
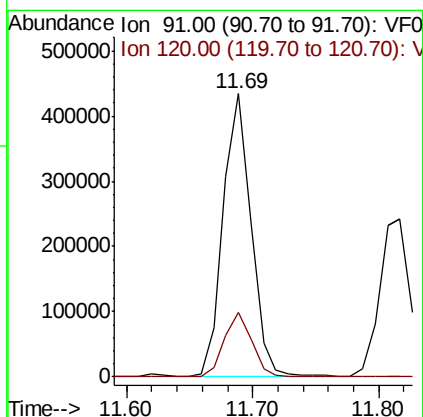
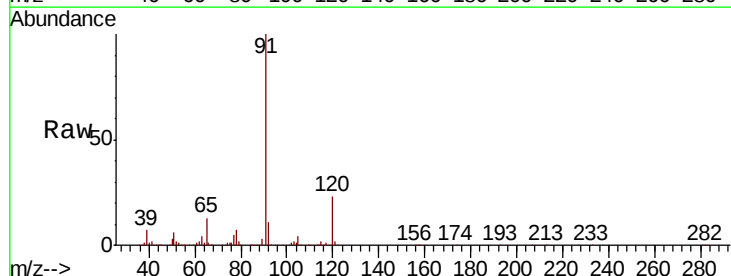
Manual Integrations
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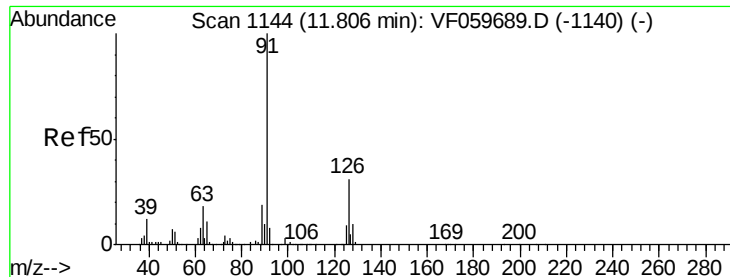
apatel
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#78
n-propylbenzene
Concen: 54.066 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.0	33.0	





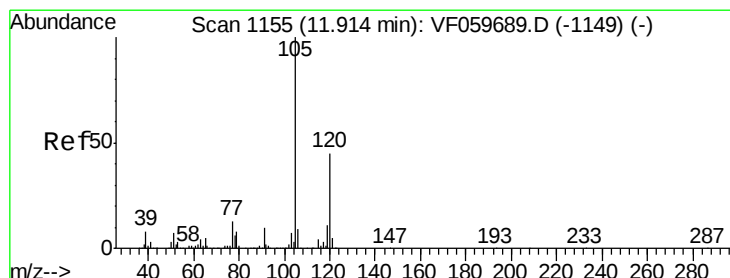
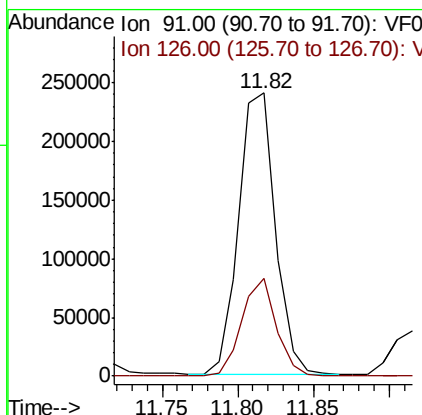
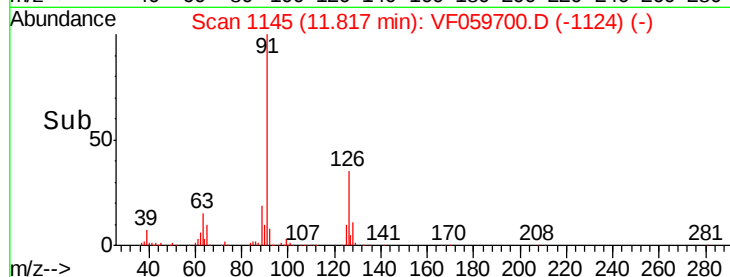
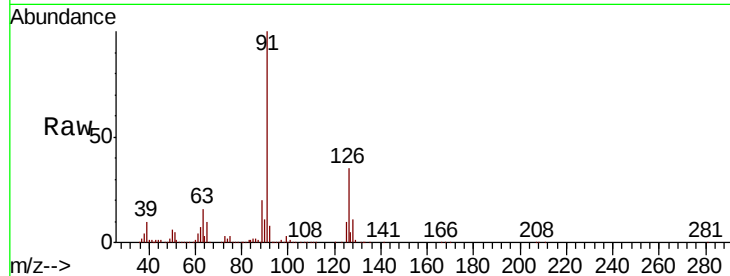
#79
 2-Chlorotoluene
 Concen: 52.157 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 404459
 Ion Ratio Lower Upper
 91 100
 126 34.6 15.4 46.2

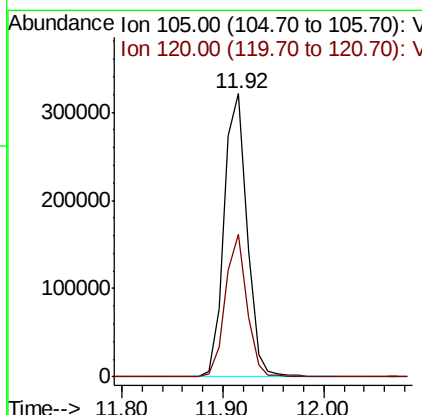
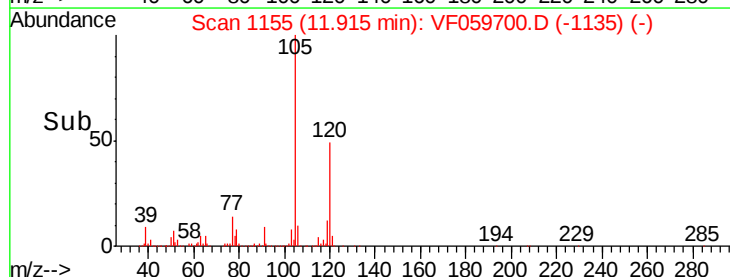
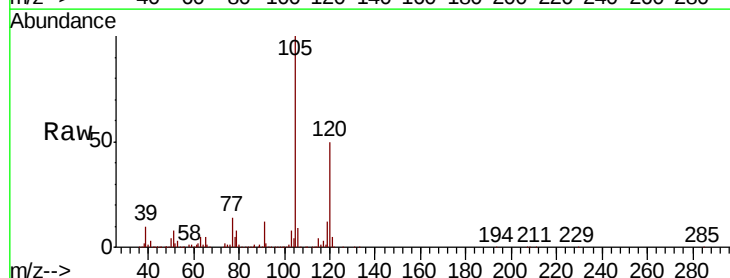
Manual Integrations
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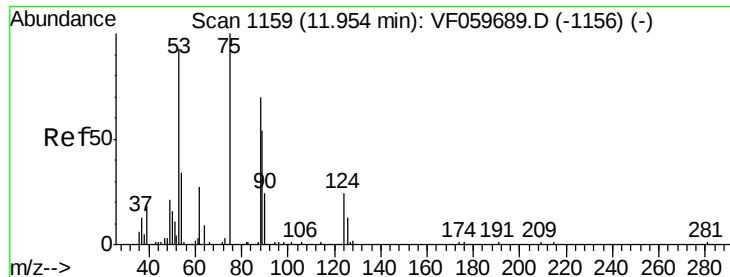
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.526 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion: 105 Resp: 510084
 Ion Ratio Lower Upper
 105 100
 120 50.2 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.544 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 38823

Ion Ratio Lower Upper

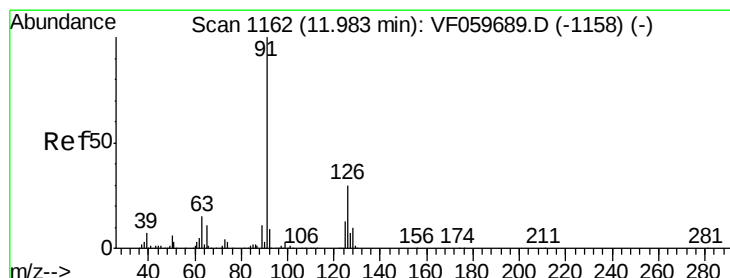
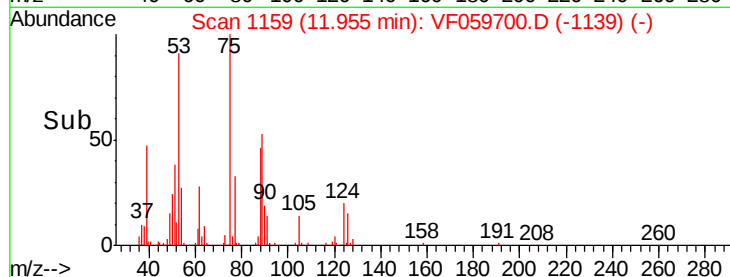
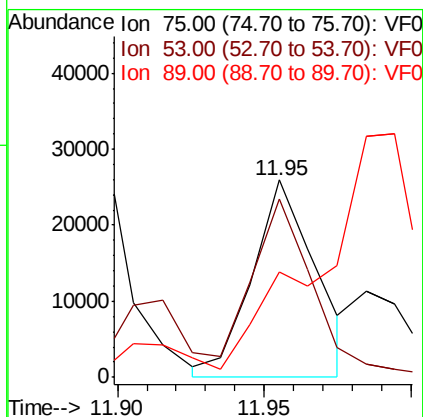
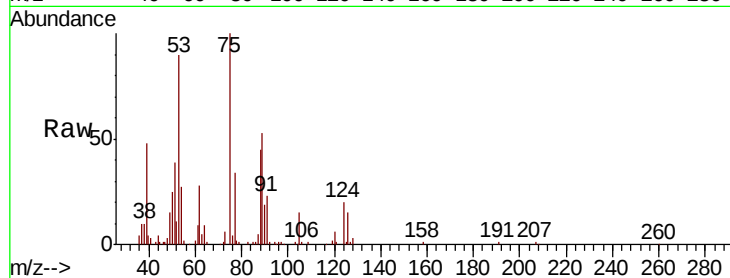
75 100

53 90.4 78.3 117.5

89 53.2 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.655 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059700.D

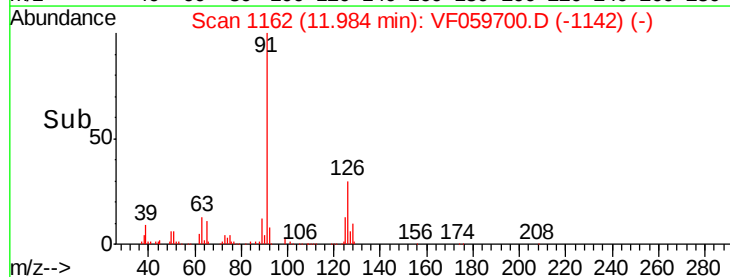
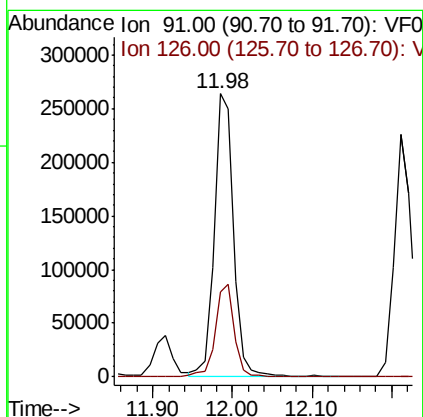
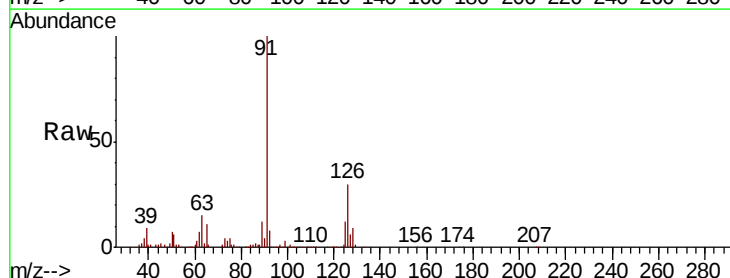
Acq: 31 Jul 2018 10:32

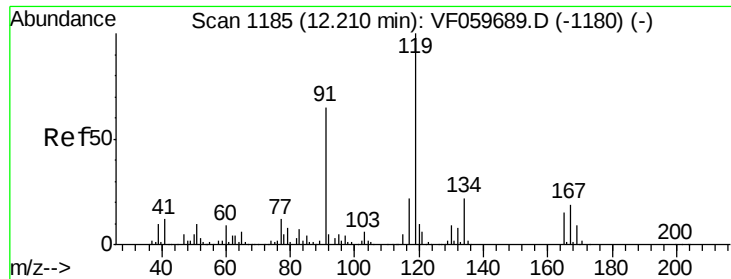
Tgt Ion: 91 Resp: 451281

Ion Ratio Lower Upper

91 100

126 29.9 15.2 45.6





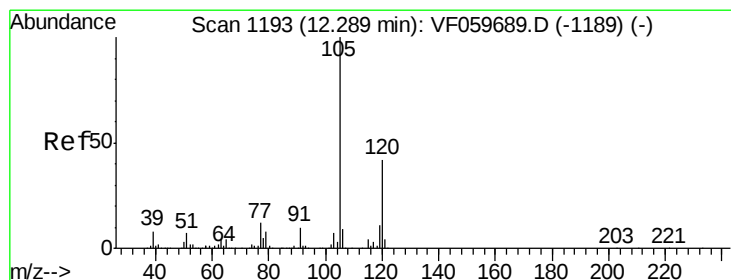
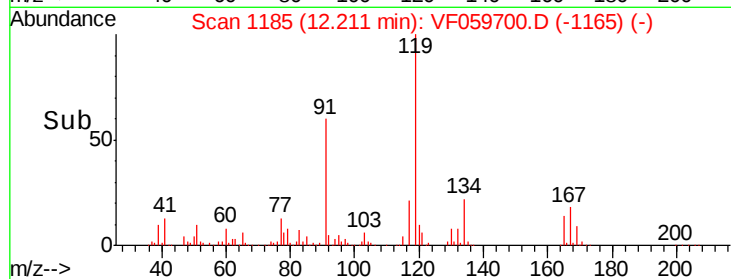
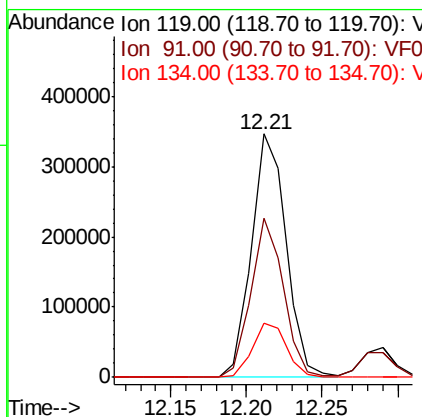
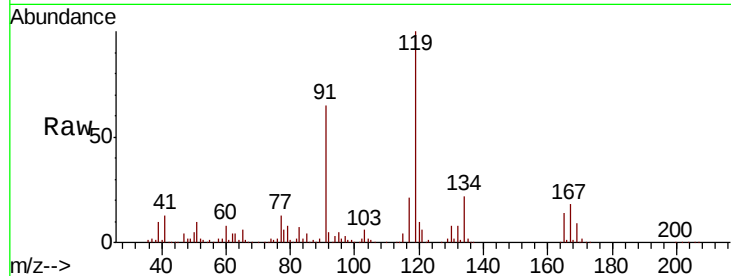
#83
 tert-Butylbenzene
 Concen: 51.266 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	555225		
91	65.2		32.8	98.4
134	22.3		10.9	32.7

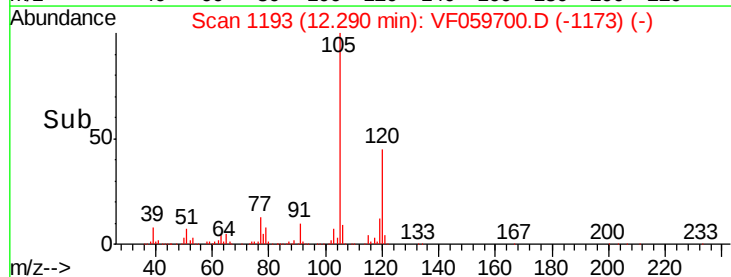
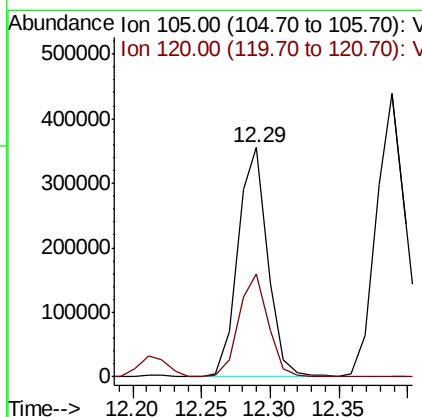
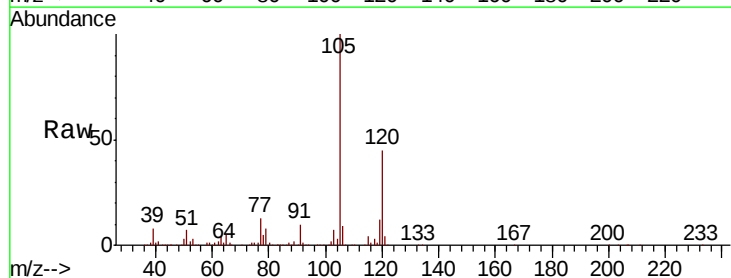
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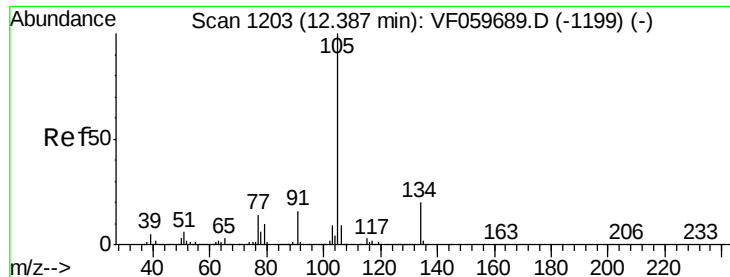
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.491 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	534023		
120	45.1		21.1	63.3





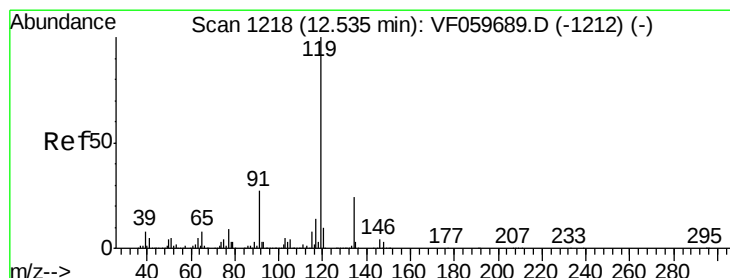
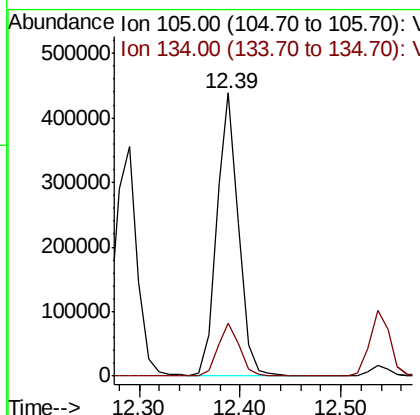
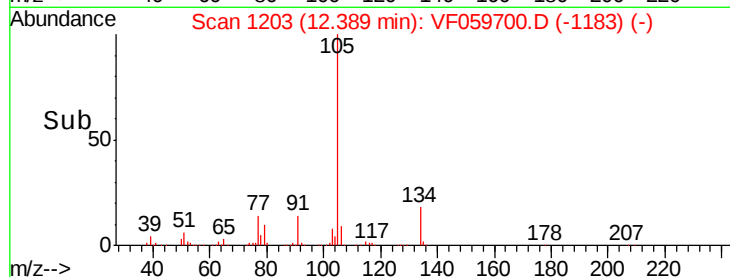
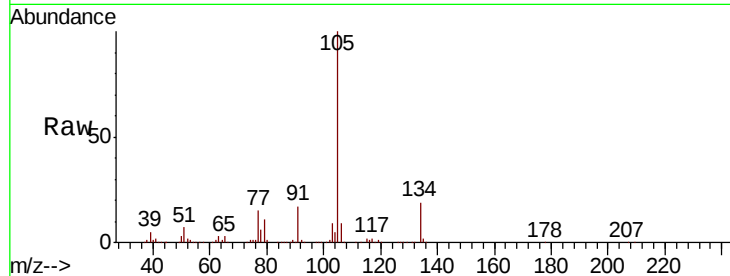
#85
 sec-Butylbenzene
 Concen: 53.431 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.3

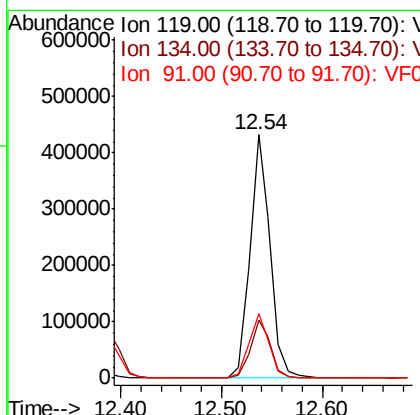
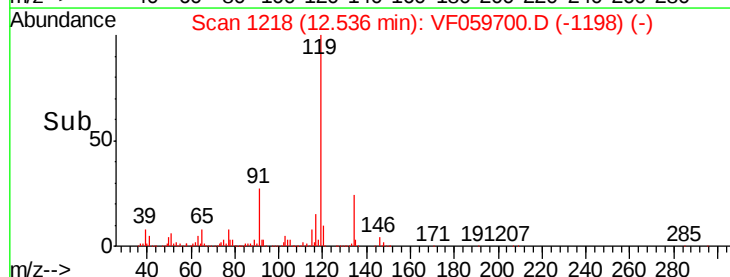
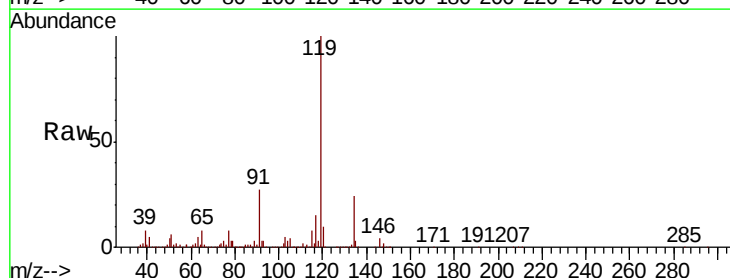
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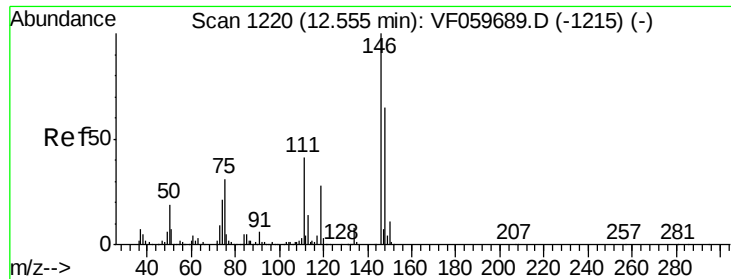
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#86
 p-Isopropyltoluene
 Concen: 56.619 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.8	12.2	36.6
91	26.7	13.4	40.2





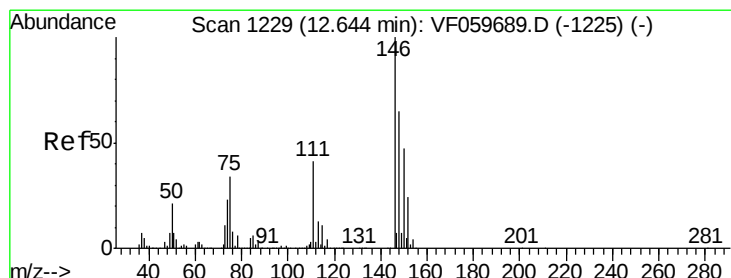
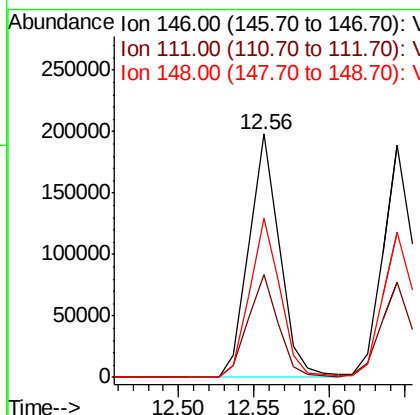
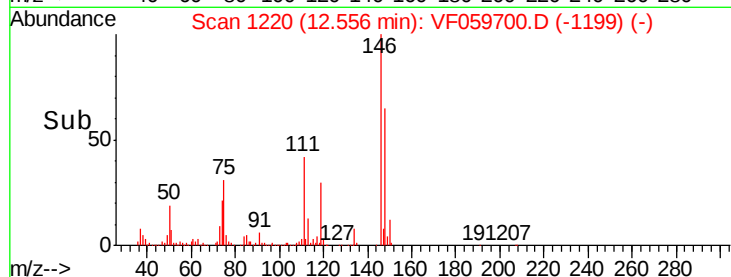
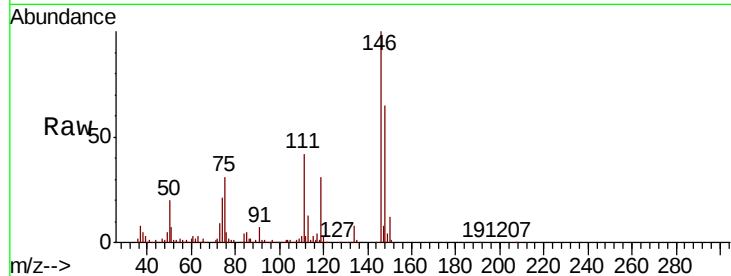
#87
 1,3-Dichlorobenzene
 Concen: 55.475 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	65.5	32.3	96.8

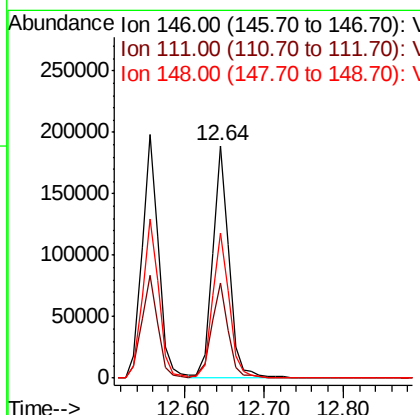
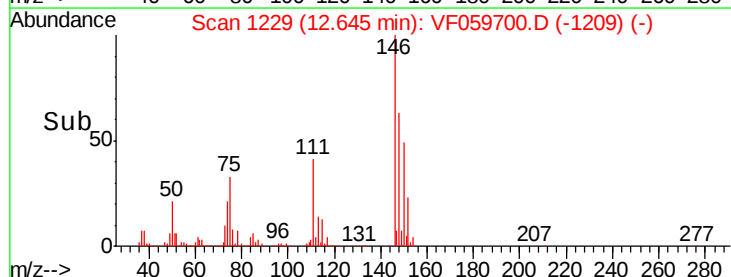
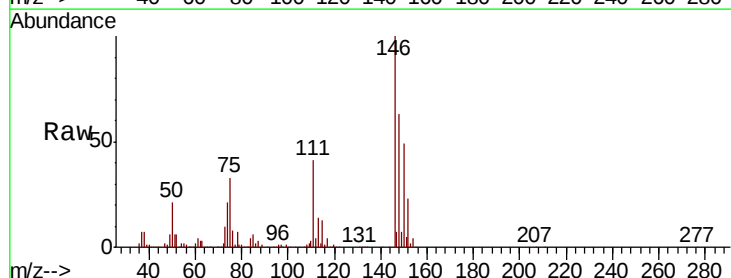
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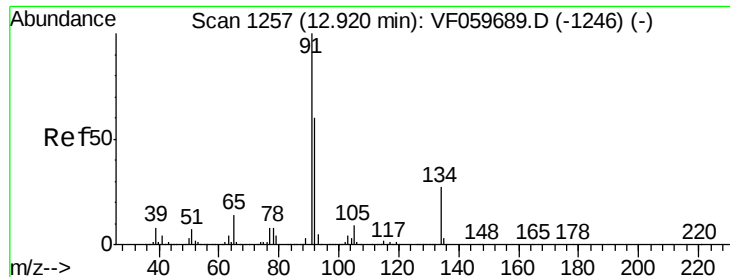
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#88
 1,4-Dichlorobenzene
 Concen: 52.914 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059700.D
 Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	62.5	32.3	96.9





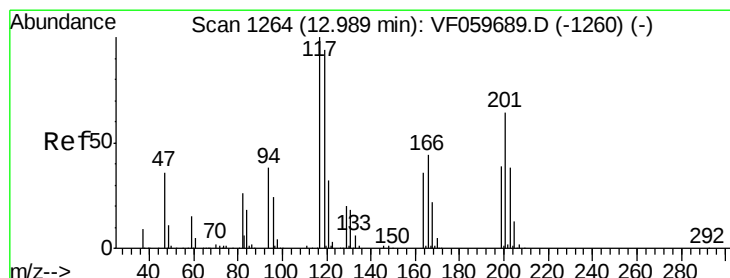
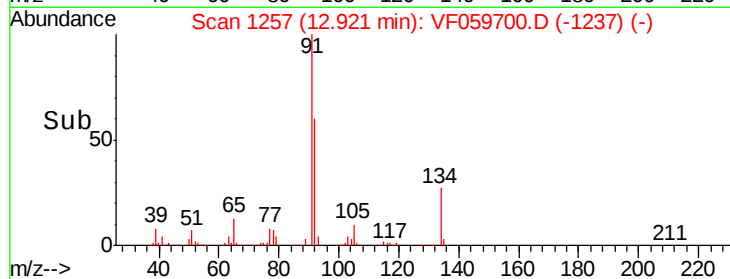
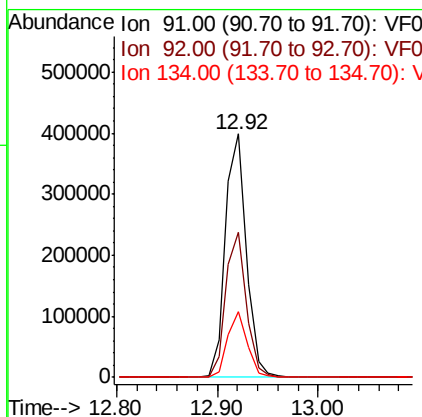
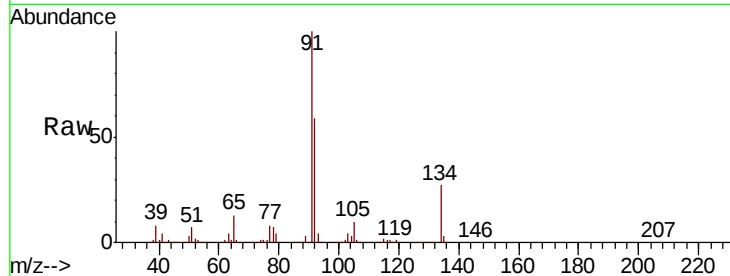
#89
n-Butylbenzene
Concen: 57.404 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	30.1	90.3
134	27.1	13.7	41.0

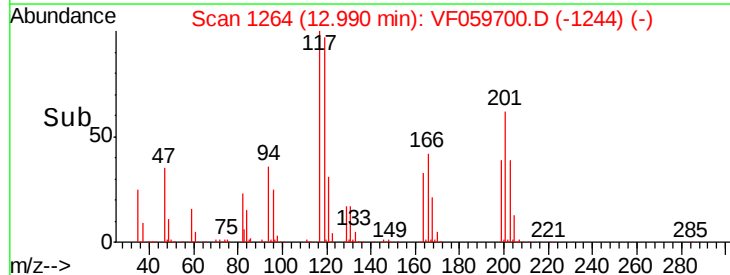
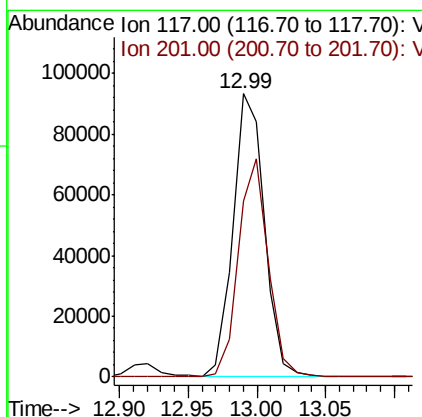
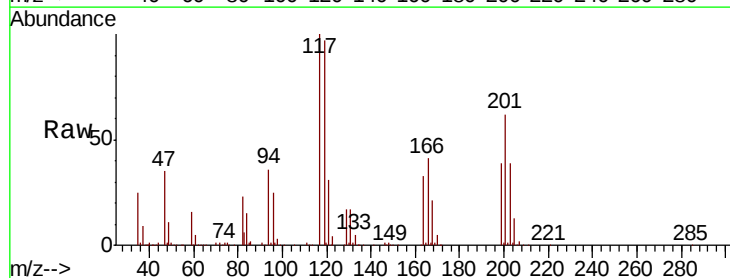
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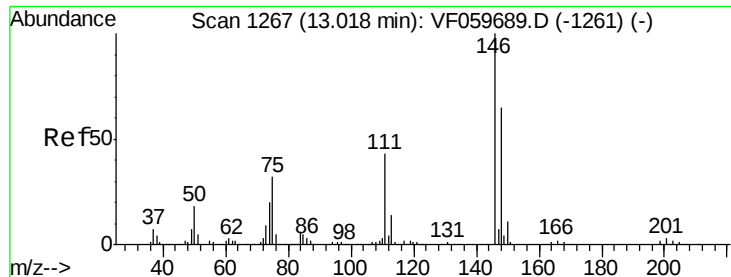
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#90
Hexachloroethane
Concen: 48.809 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 54.150 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Instrument :

MSVOA_F

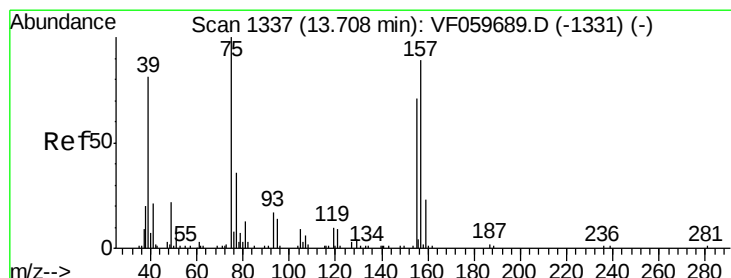
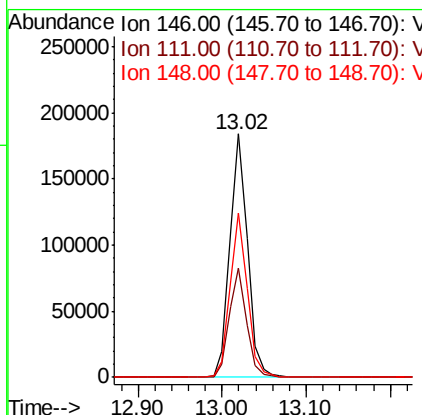
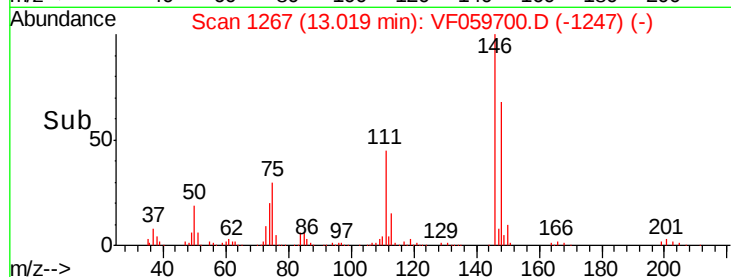
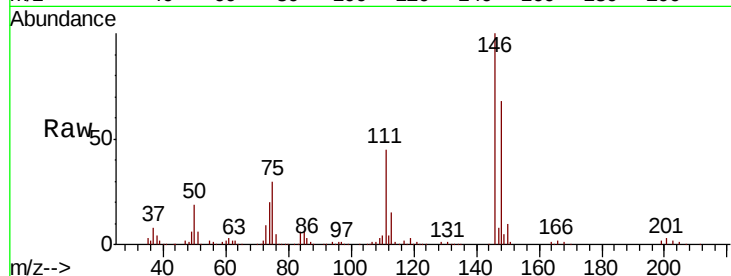
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	270709
Ion Ratio	Lower	Upper	
146	100		
111	44.9	21.6	65.0
148	67.6	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.961 ug/l

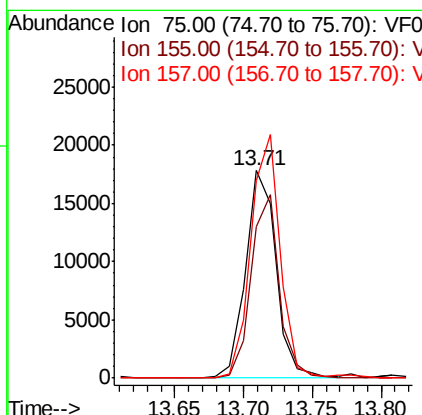
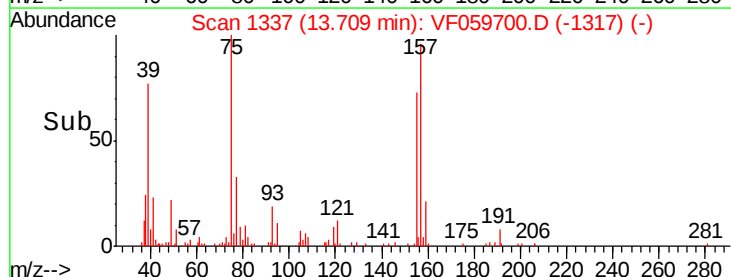
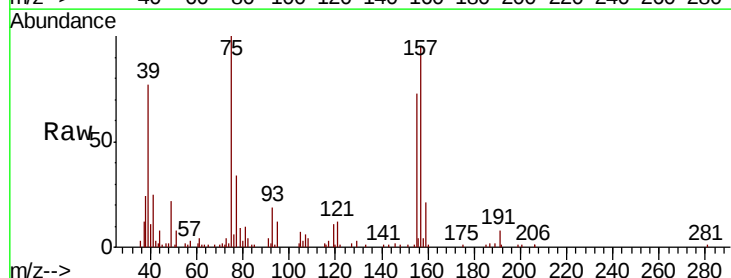
RT: 13.71 min Scan# 1337

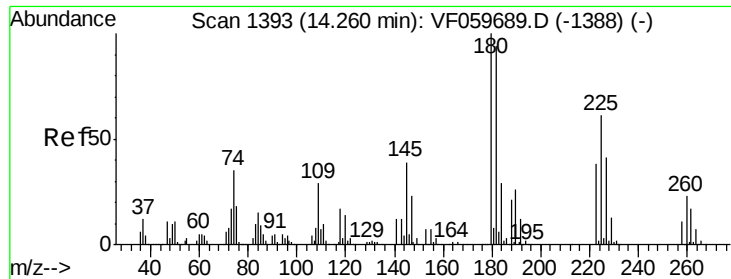
Delta R.T. 0.00 min

Lab File: VF059700.D

Acq: 31 Jul 2018 10:32

Tgt Ion:	75	Resp:	27737
Ion Ratio	Lower	Upper	
75	100		
155	72.7	35.4	106.2
157	95.0	44.4	133.2





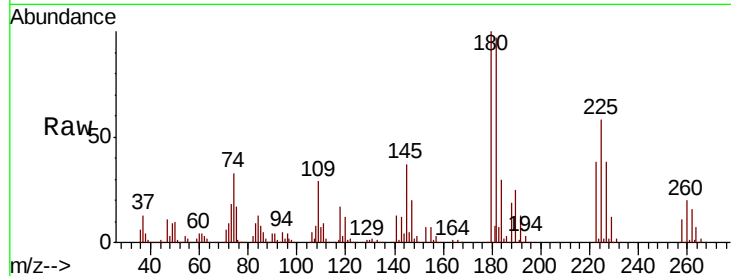
#93
1,2,4-Trichlorobenzene
Concen: 53.950 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	214557		
182	96.8	47.2	141.6	
145	36.6	19.3	57.9	

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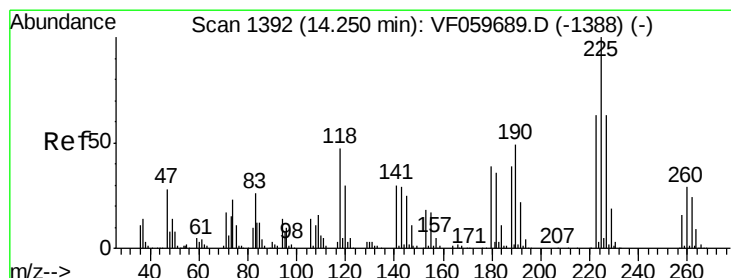
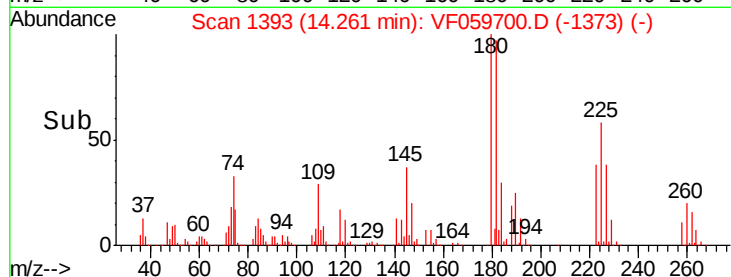
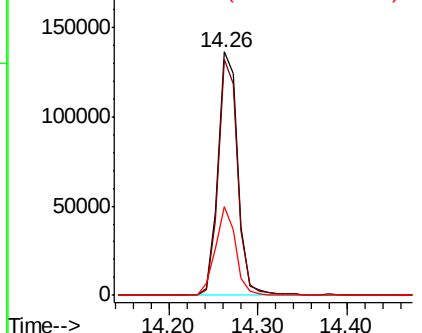


Abundance

Ion 180.00 (179.70 to 180.70): V

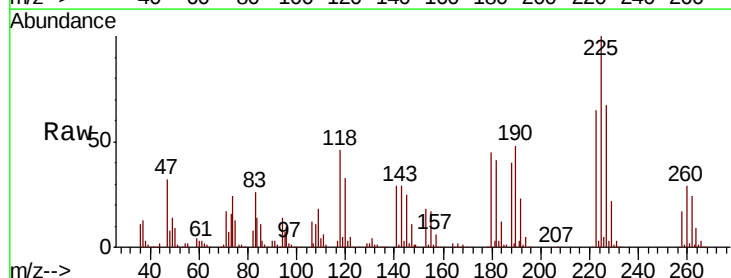
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 48.650 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146724		
223	65.4	31.4	94.2	
227	67.1	31.5	94.5	

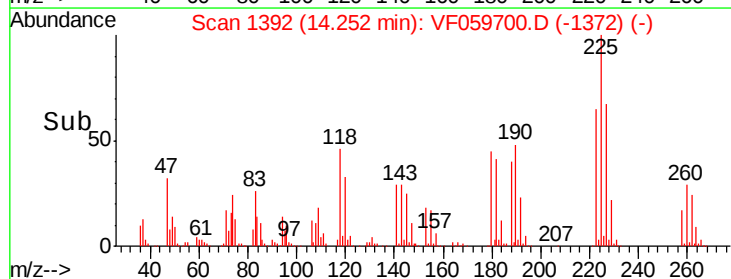
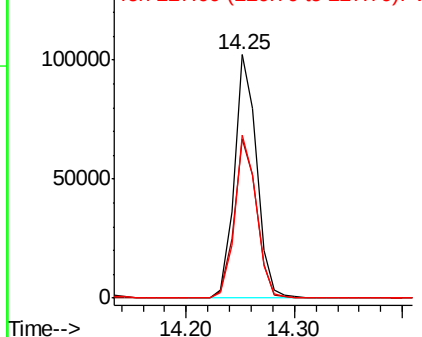


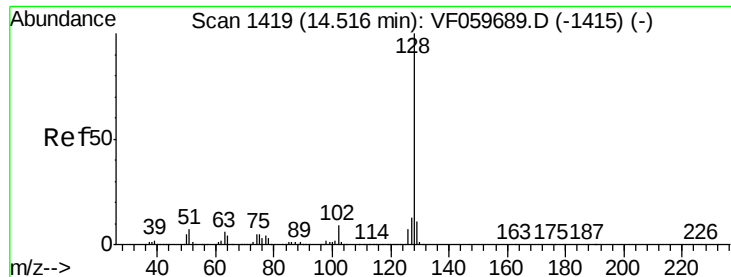
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





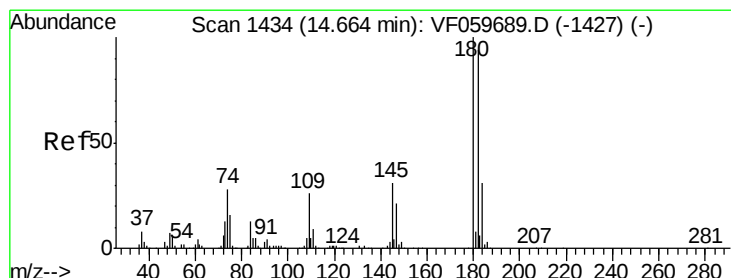
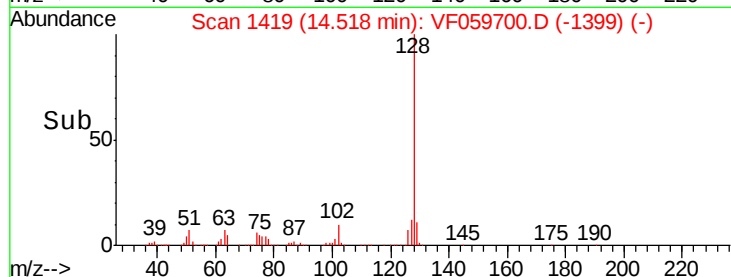
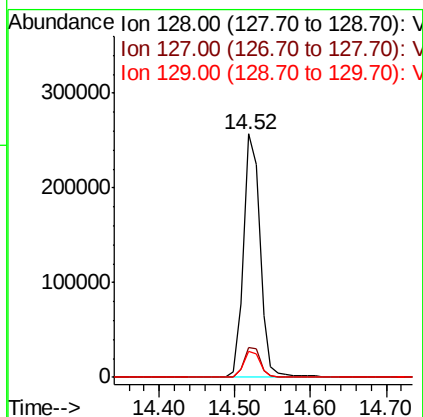
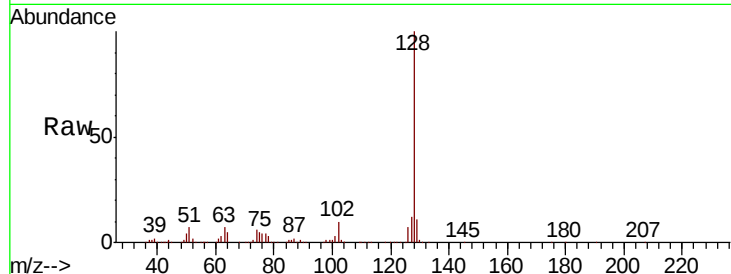
#95
Naphthalene
Concen: 49.200 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
8/1/2018 2:08:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.062 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059700.D
Acq: 31 Jul 2018 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.2	141.6
145	34.3	15.6	46.7

