

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059689.D
 Acq On : 30 Jul 2018 15:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 7/31/2018 12:12:39 PM

Quant Time: Jul 31 04:07:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	212027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	288674	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	288881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178905	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.28	113	142448	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	7.71	98	328640	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.51	95	185870	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	109756	50.13	ug/l	100
3) Chloromethane	1.08	50	58906	47.59	ug/l	100
4) Vinyl Chloride	1.15	62	60393	46.09	ug/l	100
5) Bromomethane	1.34	94	51906	45.51	ug/l	100
6) Chloroethane	1.42	64	36621	44.80	ug/l	100
7) Trichlorofluoromethane	1.53	101	180418m	45.79	ug/l	
8) Diethyl Ether	1.70	74	30730	55.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	94760	45.24	ug/l	100
10) Methyl Iodide	1.96	142	139493	45.50	ug/l	100
11) Tert butyl alcohol	2.68	59	34282	239.80	ug/l	100
12) 1,1-Dichloroethene	1.85	96	67624	43.63	ug/l	100
13) Acrolein	2.09	56	21203	335.10	ug/l	100
14) Allyl chloride	2.18	41	110708	43.67	ug/l	100
15) Acrylonitrile	3.07	53	54060	248.08	ug/l	100
16) Acetone	2.33	43	155531	256.32	ug/l	100
17) Carbon Disulfide	1.88	76	151971m	40.34	ug/l	
18) Methyl Acetate	2.44	43	47240	46.51	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	226422	52.28	ug/l	100
20) Methylene Chloride	2.27	84	71938m	32.19	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	64039	40.29	ug/l	100
22) Diisopropyl ether	2.92	45	245421	48.43	ug/l	100
23) Vinyl Acetate	3.33	43	672467	267.69	ug/l	100
24) 1,1-Dichloroethane	2.99	63	167002	46.32	ug/l	100
25) 2-Butanone	4.50	43	211914	316.97	ug/l	100
26) 2,2-Dichloropropane	3.75	77	124689	42.51	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	92596	49.66	ug/l	100
28) Bromochloromethane	3.88	49	65446	49.27	ug/l	100
29) Tetrahydrofuran	4.26	42	64331	239.74	ug/l	100
30) Chloroform	4.03	83	245061	48.12	ug/l	100
31) Cyclohexane	3.86	56	84554	40.81	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	185897	44.50	ug/l	100
36) 1,1-Dichloropropene	4.45	75	141173	45.09	ug/l	100
37) Ethyl Acetate	4.29	43	73460	53.78	ug/l	100
38) Carbon Tetrachloride	4.17	117	205452m	44.72	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	108943	42.75	ug/l	100
40) Benzene	4.81	78	253012	45.49	ug/l	100
41) Methacrylonitrile	4.92	41	36859	54.80	ug/l	100
42) 1,2-Dichloroethane	5.11	62	188822	52.18	ug/l	100
43) Isopropyl Acetate	7.11	43	77047	54.48	ug/l	100
44) Trichloroethene	5.67	130	100080	46.46	ug/l	100
45) 1,2-Dichloropropane	6.39	63	73243	49.56	ug/l	100
46) Dibromomethane	6.25	93	69017	53.78	ug/l	100
47) Bromodichloromethane	6.54	83	188501	50.13	ug/l	100
48) Methyl methacrylate	6.87	41	61363	55.28	ug/l	100
49) 1,4-Dioxane	6.86	88	7262	819.84	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	317060	278.59	ug/l	100
52) Toluene	7.77	92	188972	45.75	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	157260	52.29	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	161109	51.62	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	74537	54.33	ug/l	100
56) Ethyl methacrylate	8.76	69	83679	57.53	ug/l	100
57) 1,3-Dichloropropane	9.00	76	125469	52.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	41860	238.36	ug/l	100
59) 2-Hexanone	9.63	43	246081	291.49	ug/l	100
60) Dibromochloromethane	8.86	129	133352	53.88	ug/l	100
61) 1,2-Dibromoethane	9.13	107	85673	51.64	ug/l	100
64) Tetrachloroethene	8.31	164	93347	40.55	ug/l	100
65) Chlorobenzene	9.94	112	257475	45.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	125736	48.67	ug/l	100
67) Ethyl Benzene	10.03	91	463667	45.56	ug/l	100
68) m/p-Xylenes	10.27	106	314317	89.24	ug/l	100
69) o-Xylene	10.83	106	173822	45.70	ug/l	100
70) Styrene	10.90	104	258371	46.71	ug/l	100
71) Bromoform	10.89	173	84739	53.20	ug/l	100
73) Isopropylbenzene	11.22	105	578431	43.83	ug/l	100
74) N-amyl acetate	11.46	43	142049	52.52	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	108714	50.17	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	88474	49.71	ug/l	100
77) Bromobenzene	11.59	156	145806	45.52	ug/l	100
78) n-propylbenzene	11.69	91	645684	42.47	ug/l	100
79) 2-Chlorotoluene	11.81	91	405547	43.83	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	498182	43.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	37990m	41.11	ug/l	
82) 4-Chlorotoluene	11.98	91	426024	43.70	ug/l	100
83) tert-Butylbenzene	12.21	119	522749	44.66	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	512521	43.07	ug/l	100
85) sec-Butylbenzene	12.39	105	664544	43.15	ug/l	100
86) p-Isopropyltoluene	12.54	119	574892	43.41	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	272762	43.67	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	267946	45.03	ug/l	100
89) n-Butylbenzene	12.92	91	545977	42.63	ug/l	100
90) Hexachloroethane	12.99	117	144888	42.98	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	257672	44.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27717	52.59	ug/l	100

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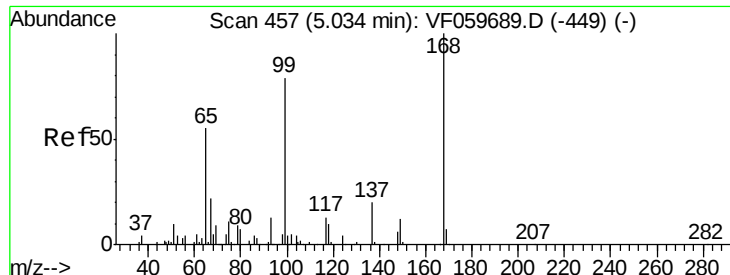
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	214848	46.17	ug/l	100
94) Hexachlorobutadiene	14.25	225	146500	42.79	ug/l	100
95) Naphthalene	14.52	128	389849	52.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	216119	51.09	ug/l	100

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



#1

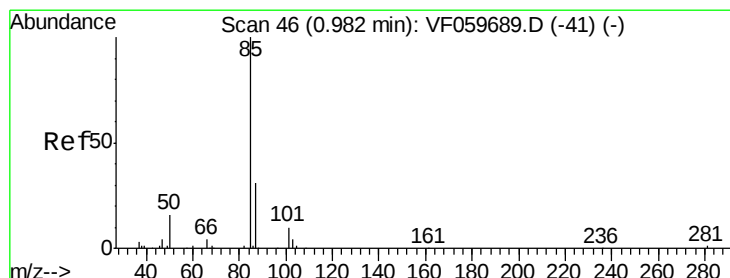
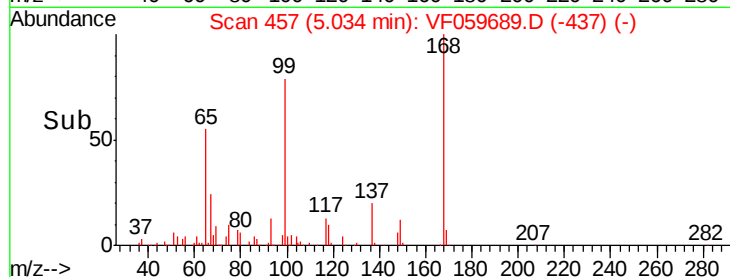
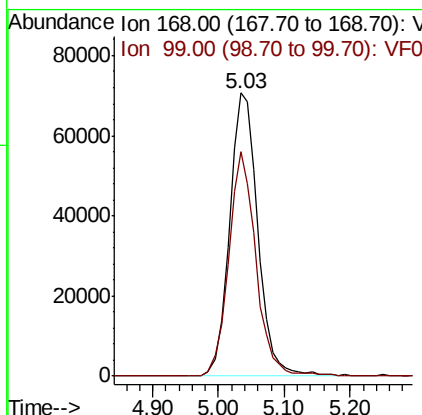
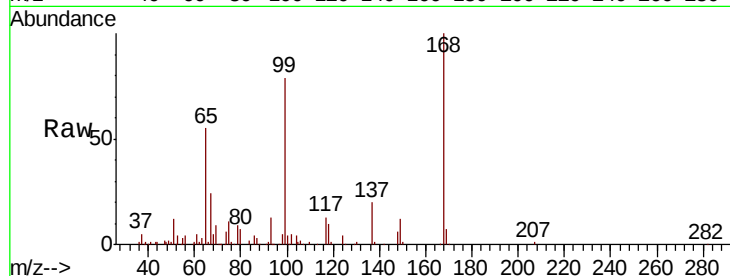
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	79.1	63.3	94.9

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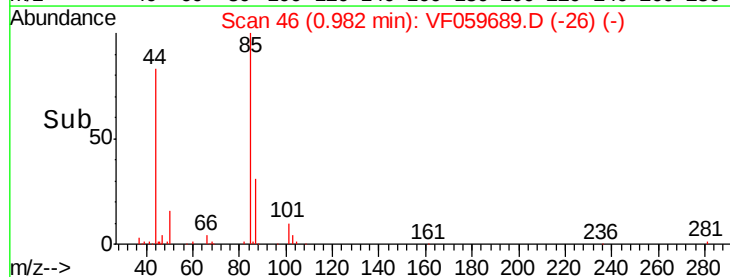
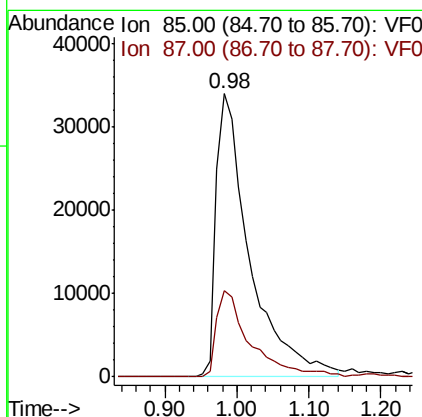
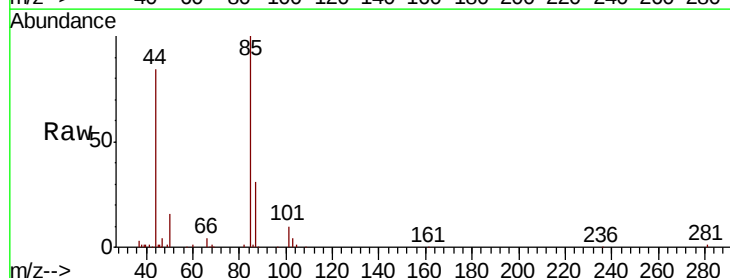
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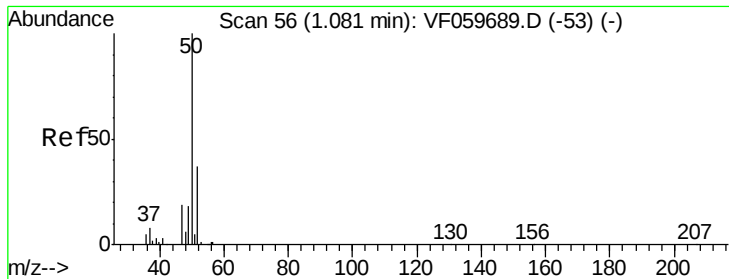


#2

Dichlorodifluoromethane
 Concen: 50.13 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.5	15.3	45.8





#3

Chloromethane

Concen: 47.59 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 58906

Ion Ratio Lower Upper

50 100

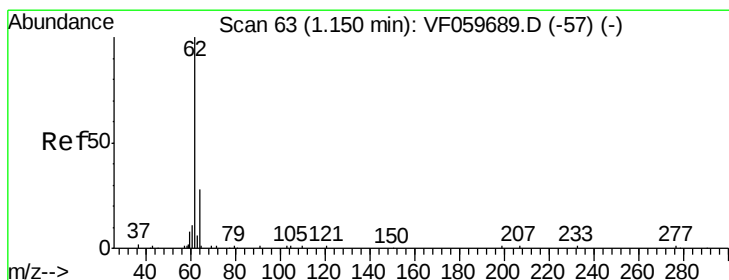
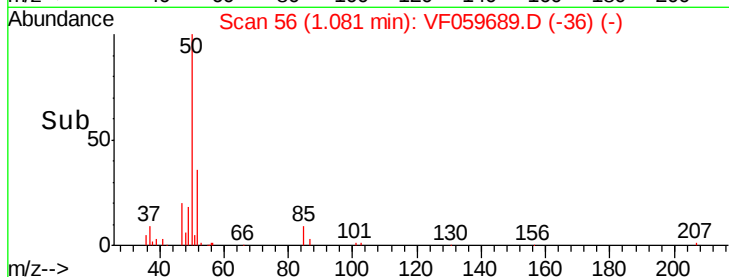
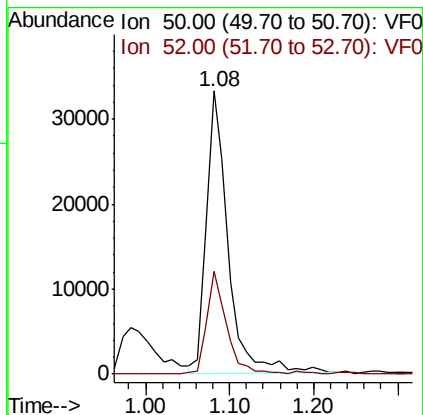
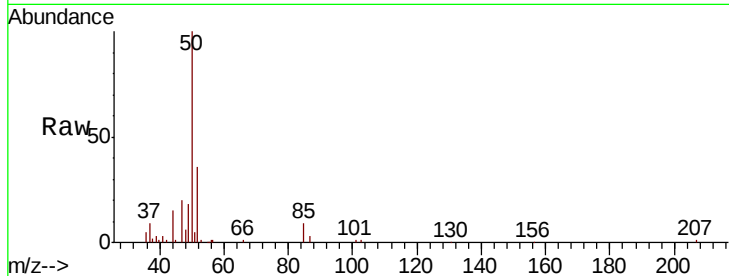
52 36.4 29.1 43.7

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#4

Vinyl Chloride

Concen: 46.09 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059689.D

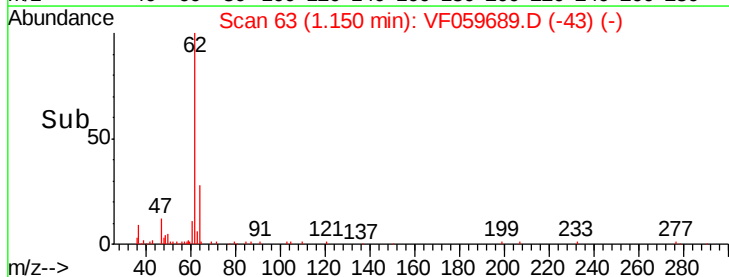
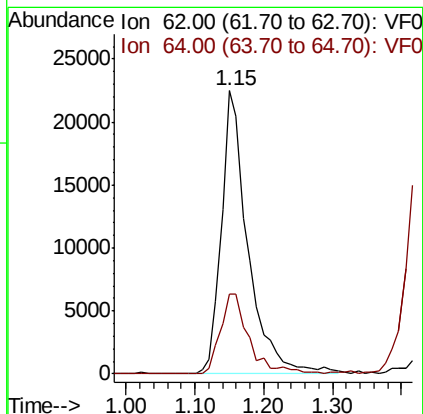
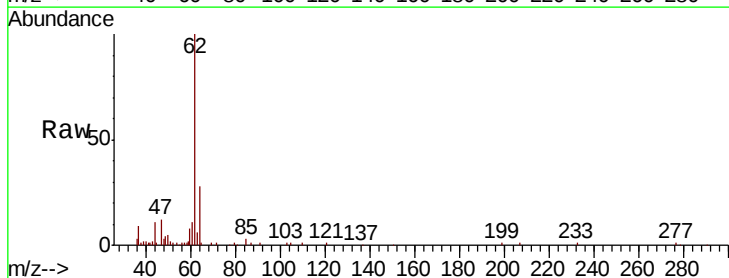
Acq: 30 Jul 2018 15:30

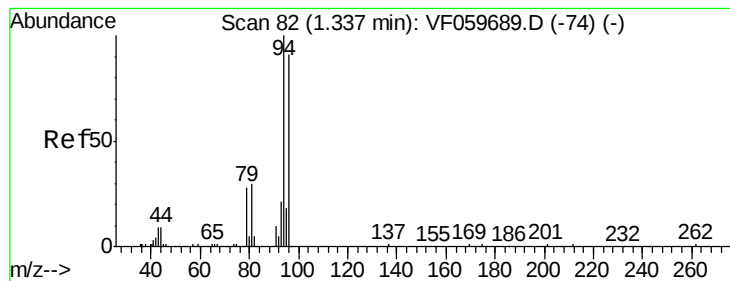
Tgt Ion: 62 Resp: 60393

Ion Ratio Lower Upper

62 100

64 28.2 22.6 33.8





#5

Bromomethane

Concen: 45.51 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 51906

Ion Ratio Lower Upper

94 100

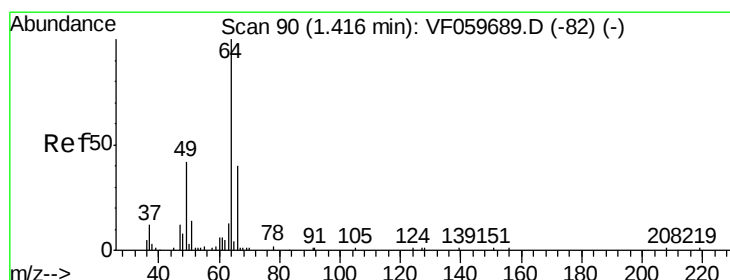
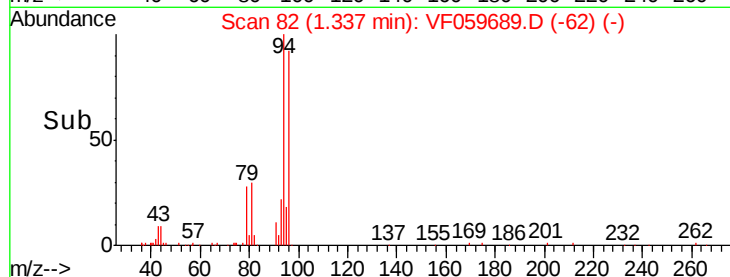
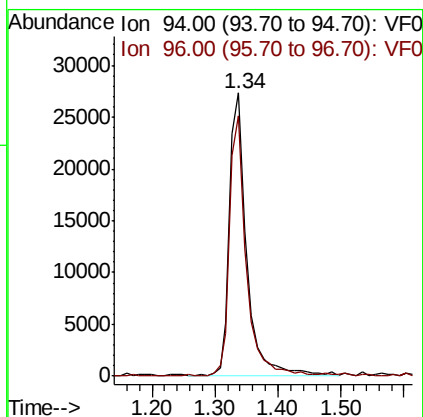
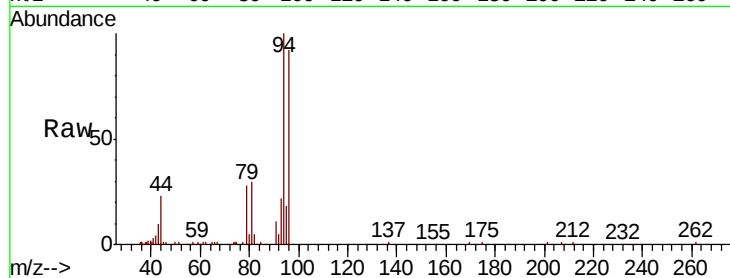
96 92.0 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 44.80 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059689.D

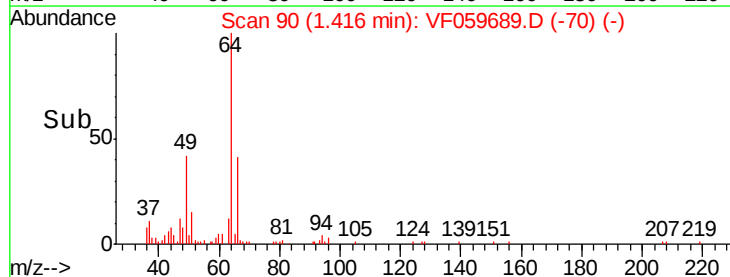
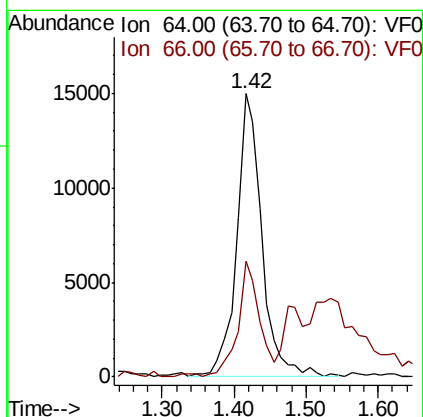
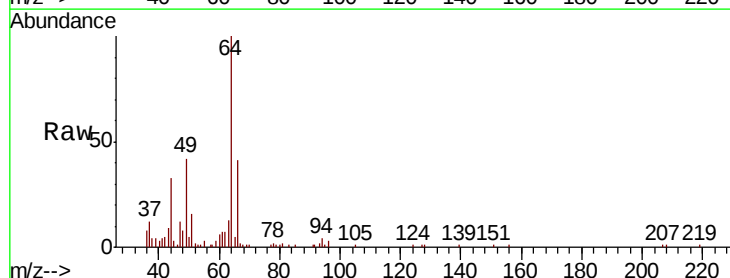
Acq: 30 Jul 2018 15:30

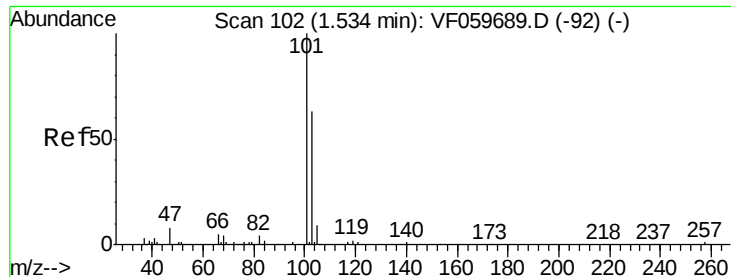
Tgt Ion: 64 Resp: 36621

Ion Ratio Lower Upper

64 100

66 40.8 32.6 49.0





#7

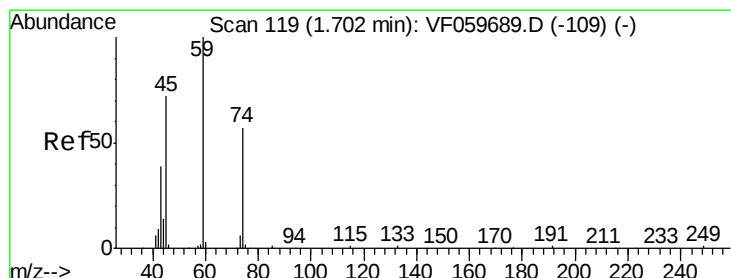
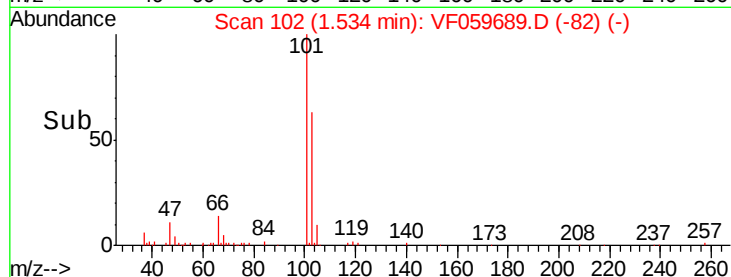
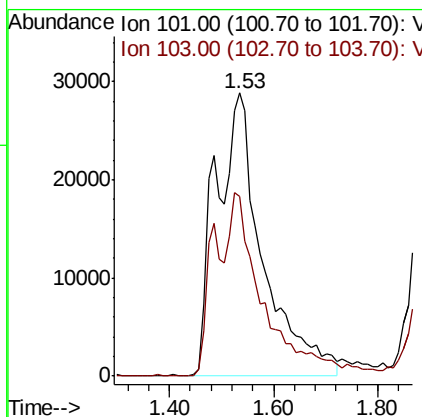
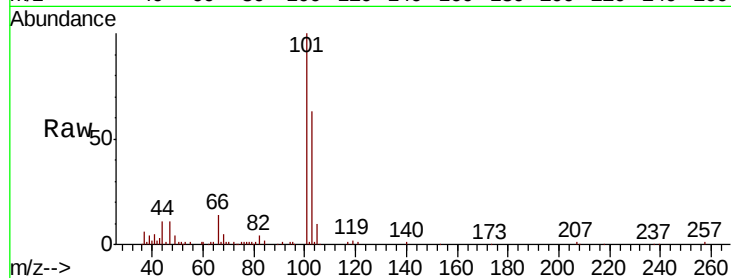
Trichlorofluoromethane
Concen: 45.79 ug/l m
RT: 1.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.8	76.2

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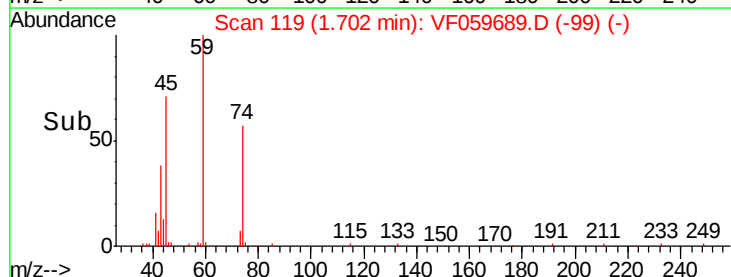
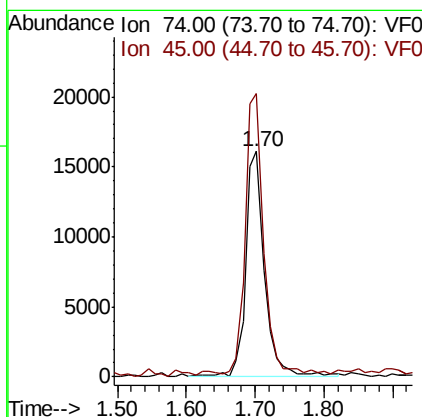
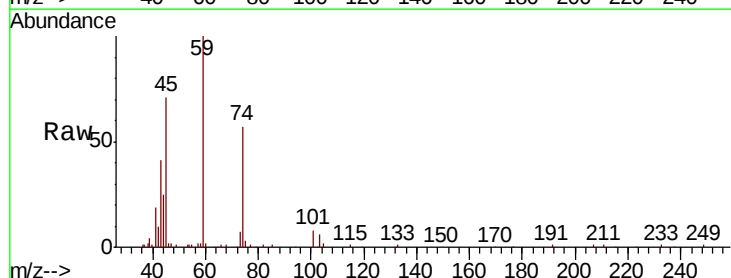
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7/31/2018 12:12:39 PM

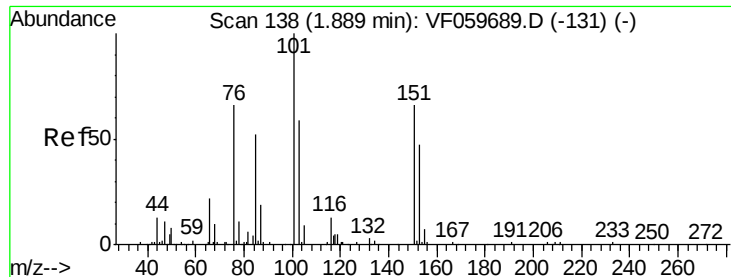


#8

Diethyl Ether
Concen: 55.05 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.24 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

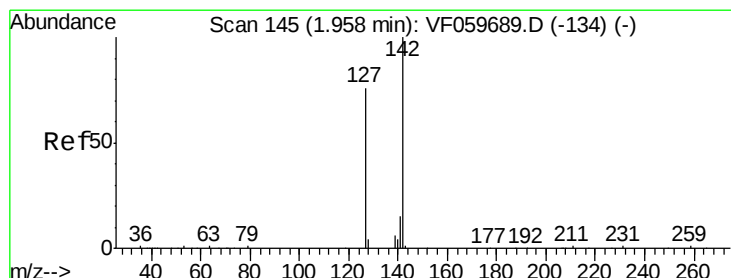
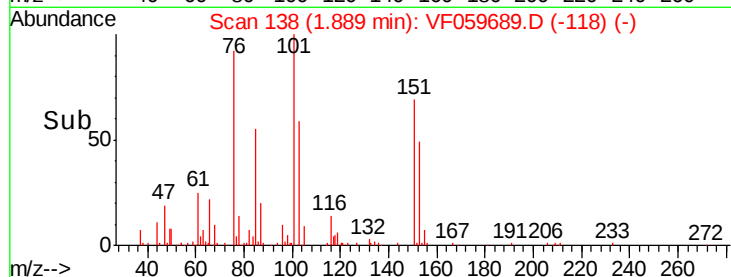
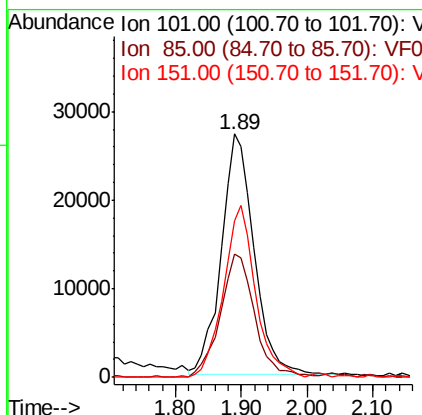
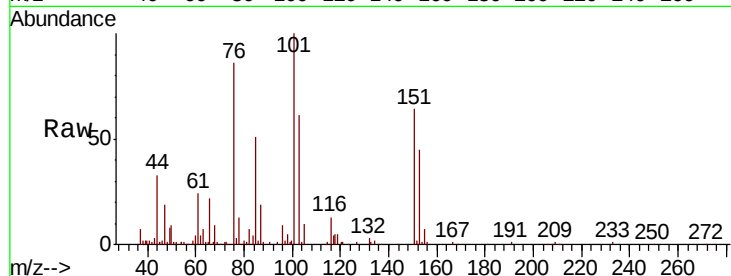
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	94760
Ion Ratio	Lower	Upper	
101	100		
85	50.9	40.7	61.1
151	64.3	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 45.50 ug/l

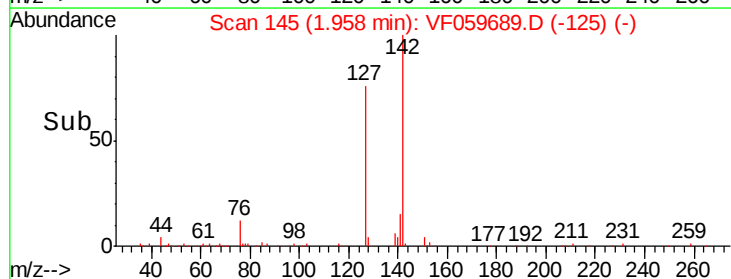
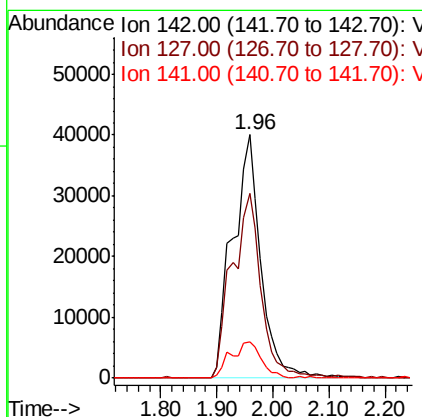
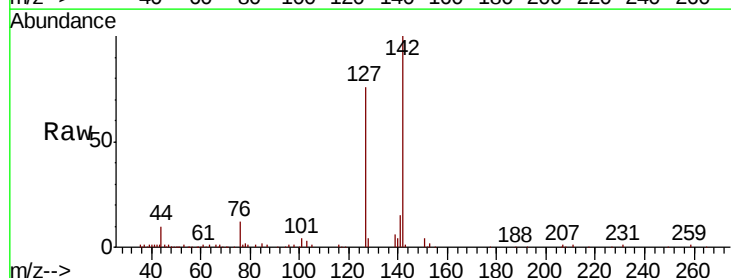
RT: 1.96 min Scan# 145

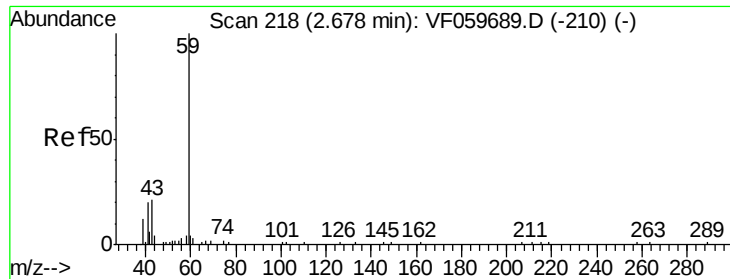
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	142	Resp:	139493
Ion Ratio	Lower	Upper	
142	100		
127	75.8	60.6	91.0
141	15.0	12.0	18.0





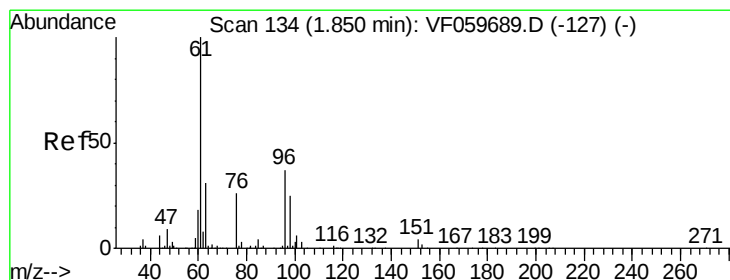
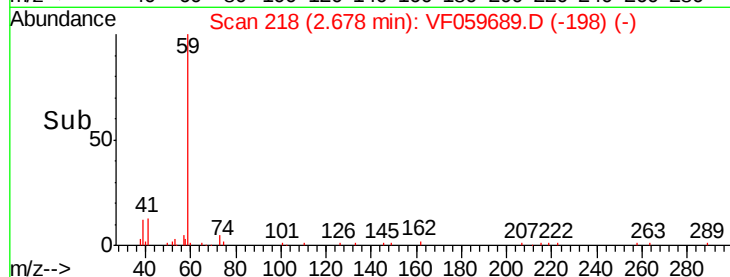
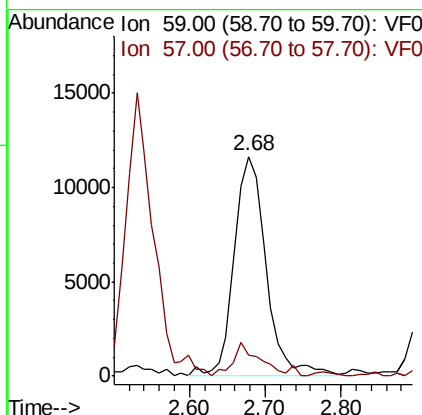
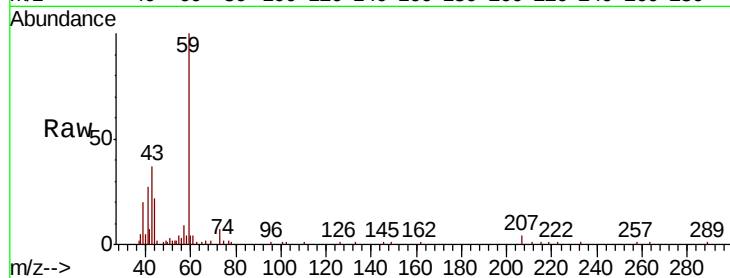
#11
Tert butyl alcohol
Concen: 239.80 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	34282
Ion Ratio	100	Lower	Upper
57	9.5	7.6	11.4

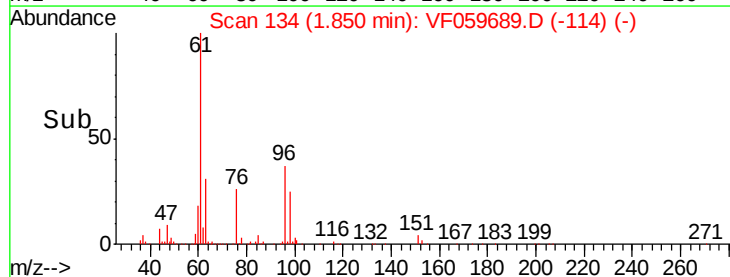
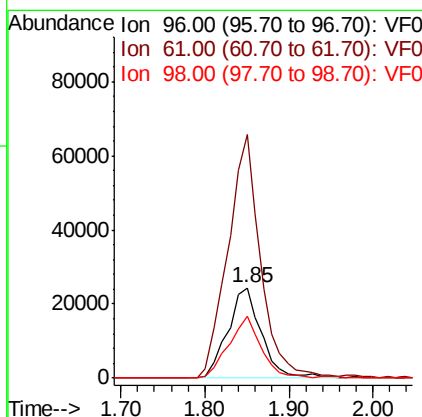
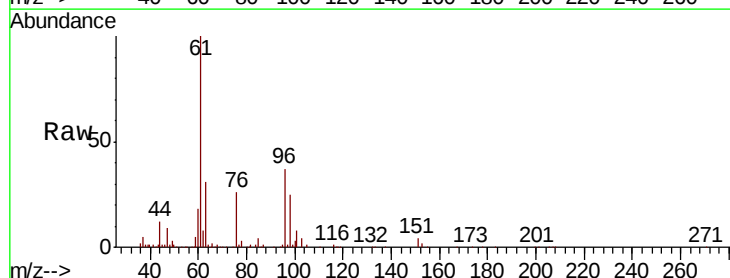
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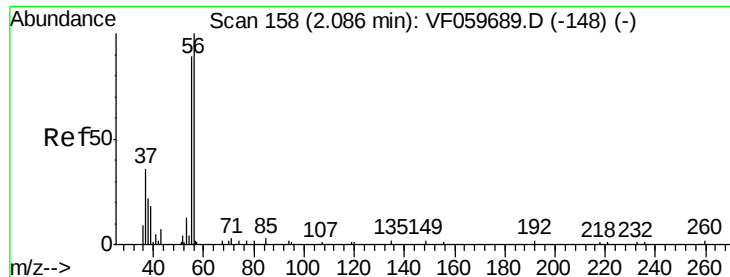
apatel
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#12
1,1-Dichloroethene
Concen: 43.63 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	96	Resp	67624
Ion Ratio	100	Lower	Upper
61	268.9	215.1	322.7
98	67.9	54.3	81.5





#13

Acrolein

Concen: 335.10 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 21203

Ion Ratio Lower Upper

56 100

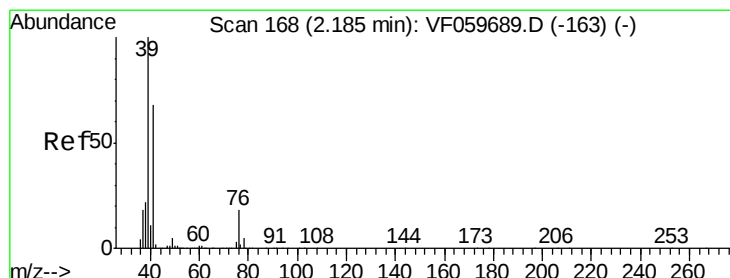
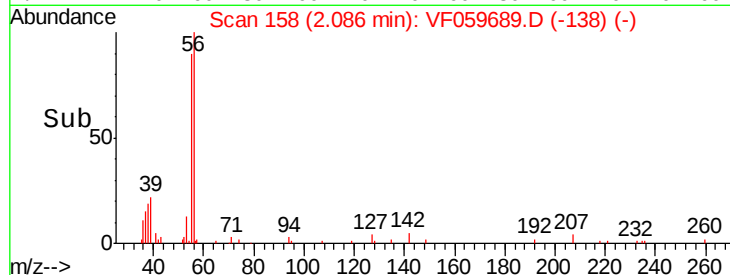
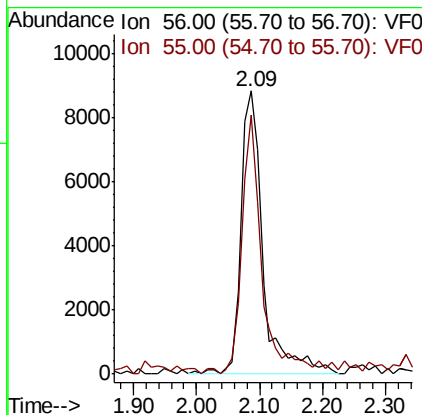
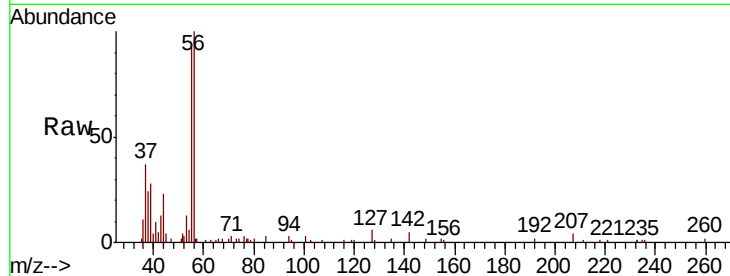
55 91.5 73.2 109.8

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#14

Allyl chloride

Concen: 43.67 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

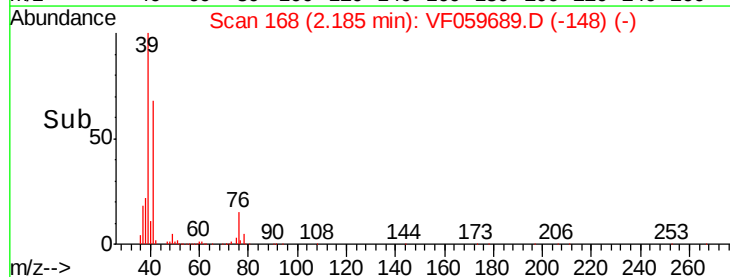
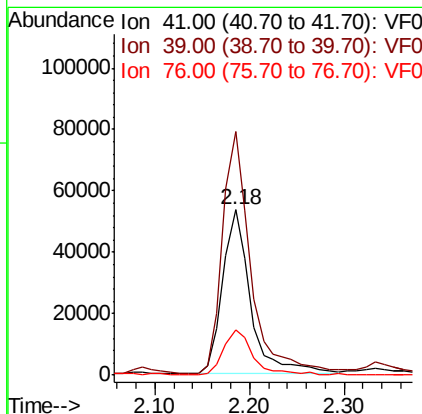
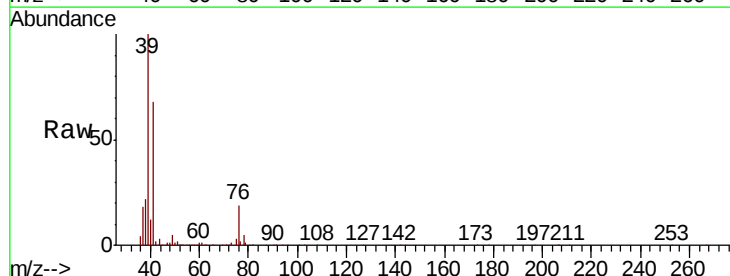
Tgt Ion: 41 Resp: 110708

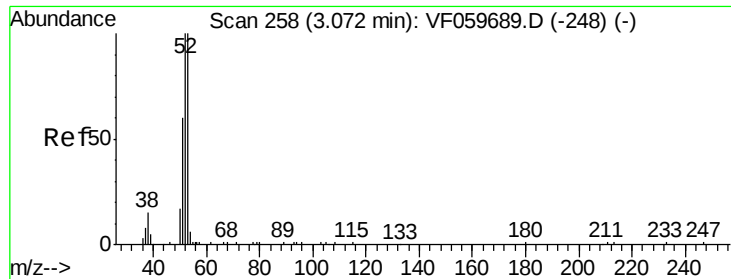
Ion Ratio Lower Upper

41 100

39 147.6 118.1 177.1

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 248.08 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

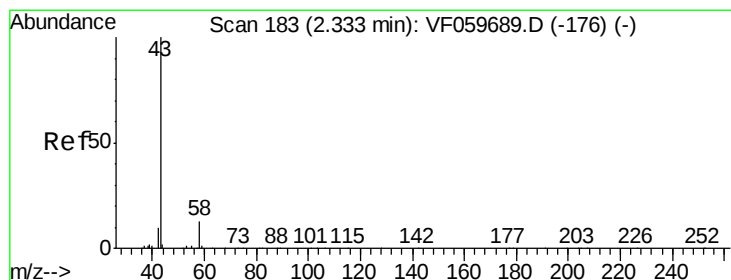
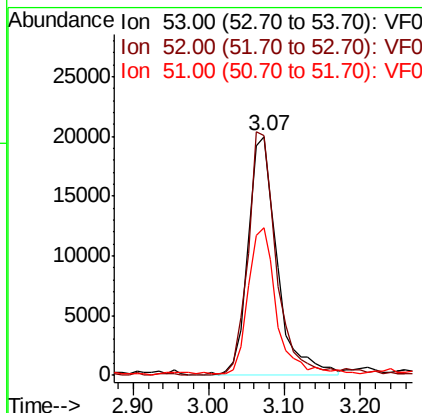
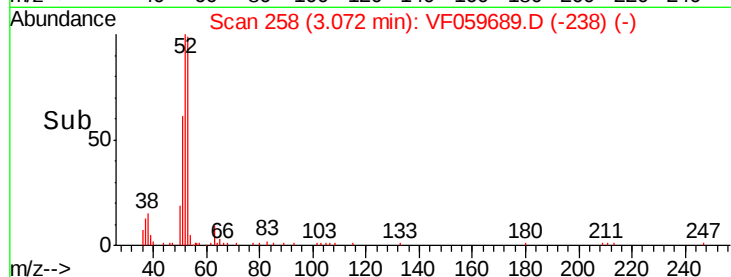
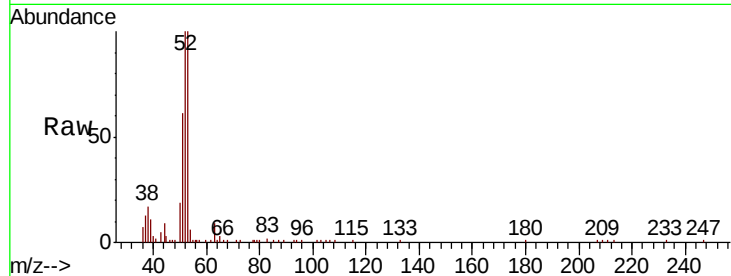
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	54060
Ion	Ratio	Lower	Upper
53	100		
52	100.4	80.3	120.5
51	61.7	49.4	74.0

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#16

Acetone

Concen: 256.32 ug/l

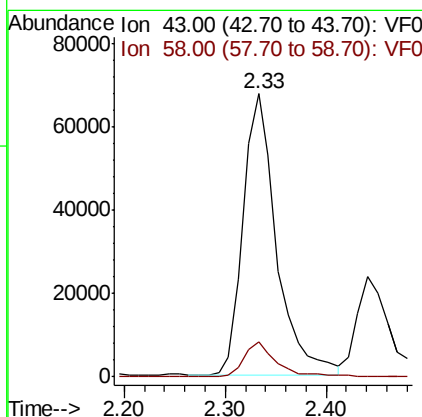
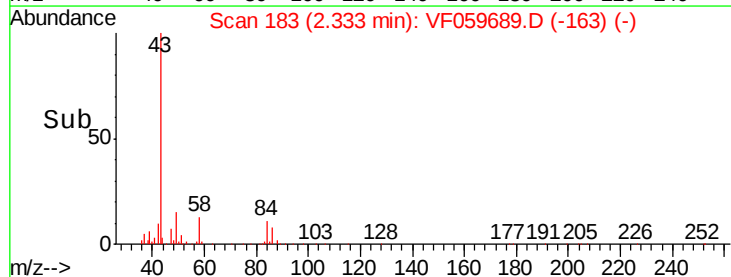
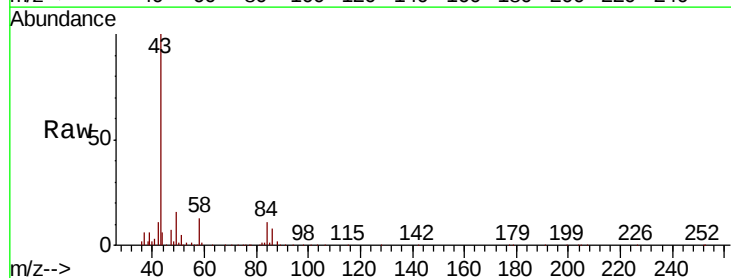
RT: 2.33 min Scan# 183

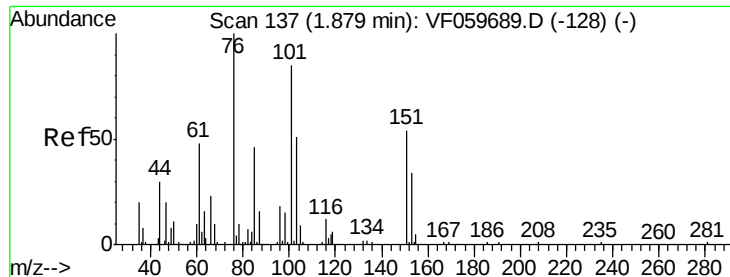
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	43	Resp:	155531
Ion	Ratio	Lower	Upper
43	100		
58	12.6	10.1	15.1





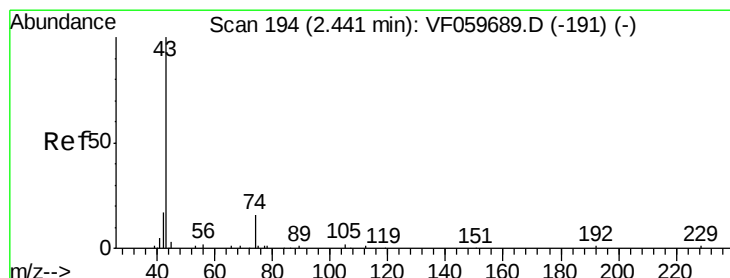
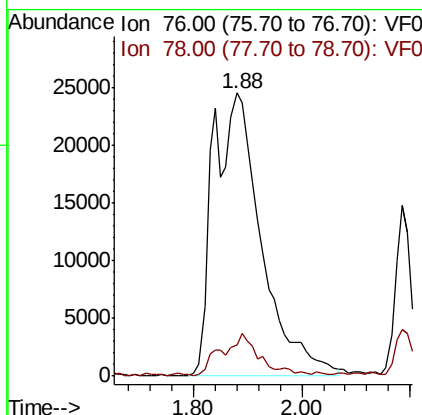
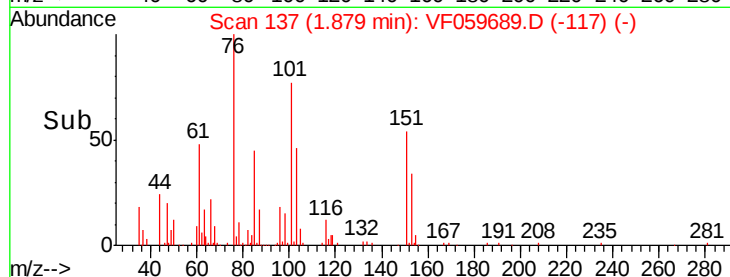
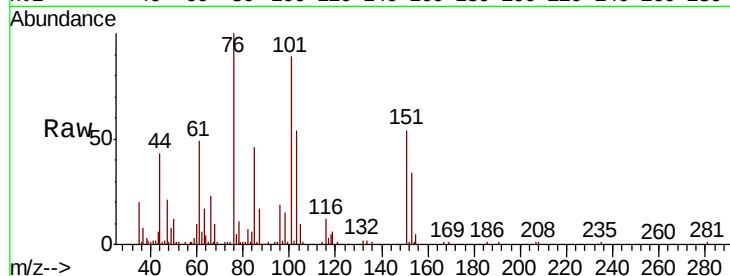
#17
Carbon Disulfide
Concen: 40.34 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 151971
Ion Ratio Lower Upper
76 100
78 11.1 8.9 13.3

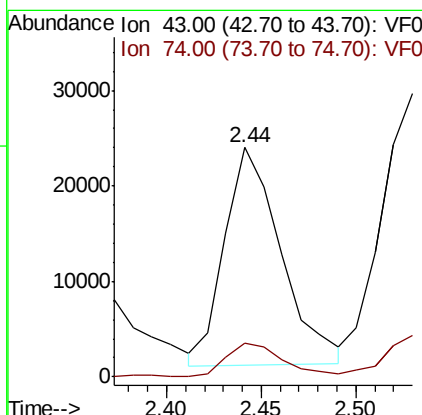
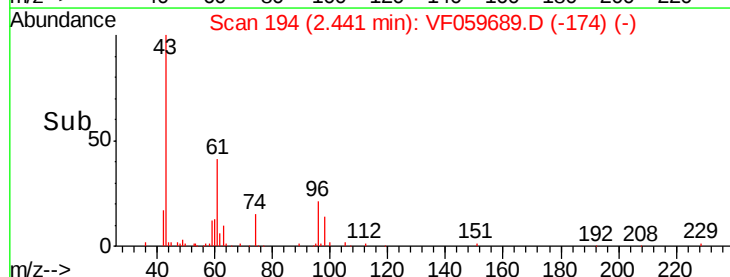
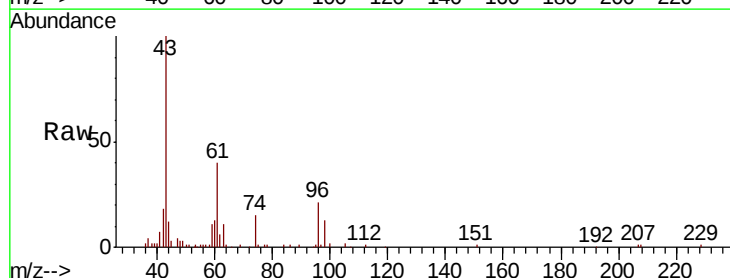
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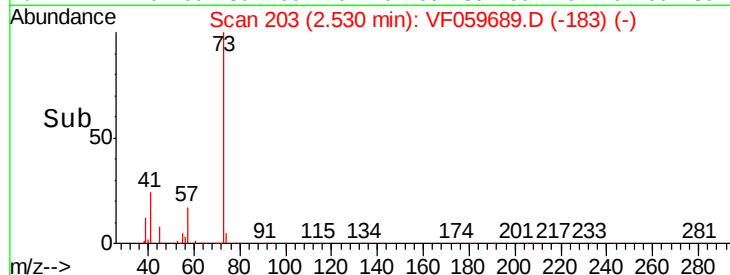
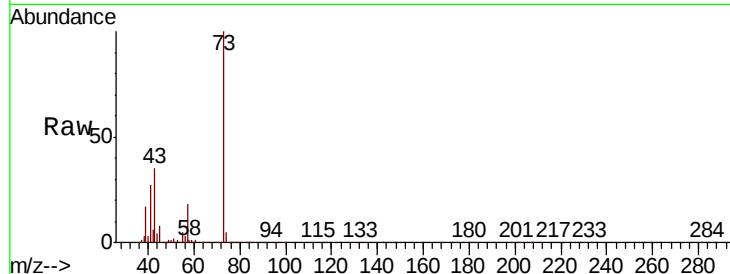
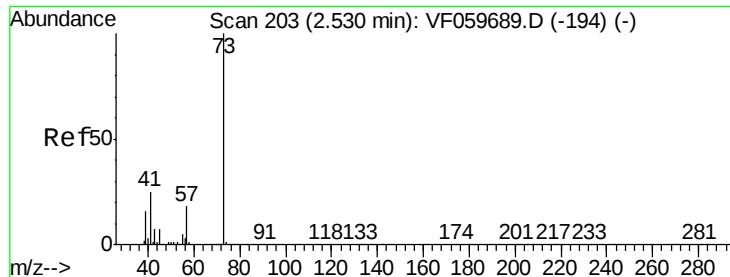
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#18
Methyl Acetate
Concen: 46.51 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 43 Resp: 47240
Ion Ratio Lower Upper
43 100
74 14.7 11.8 17.6





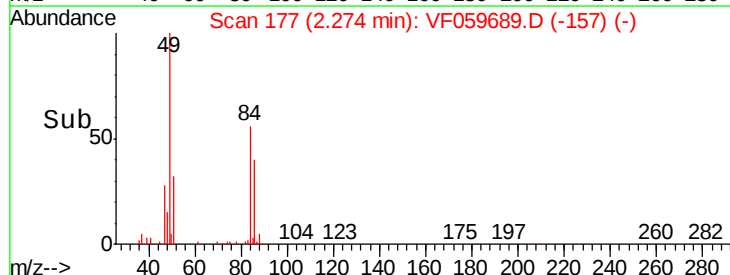
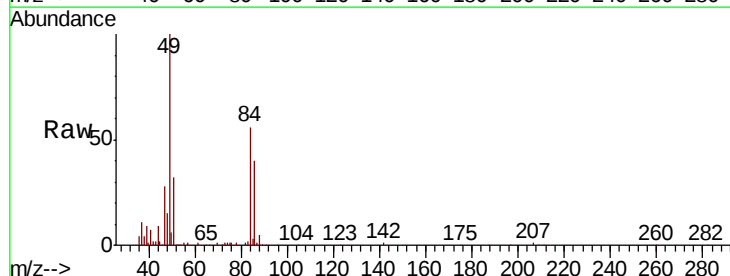
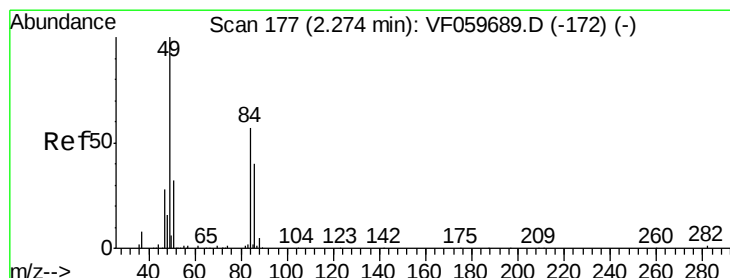
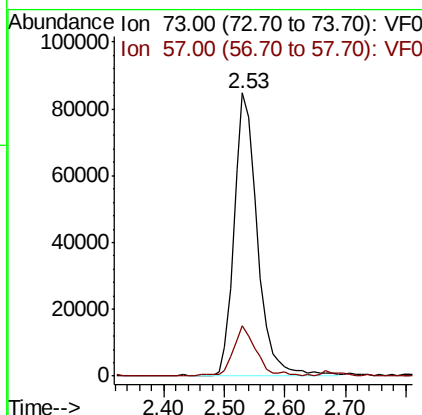
#19
Methyl tert-butyl Ether
Concen: 52.28 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tot Ion: 73 Resp: 226422
Ion Ratio Lower Upper
73 100
57 17.7 14.2 21.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

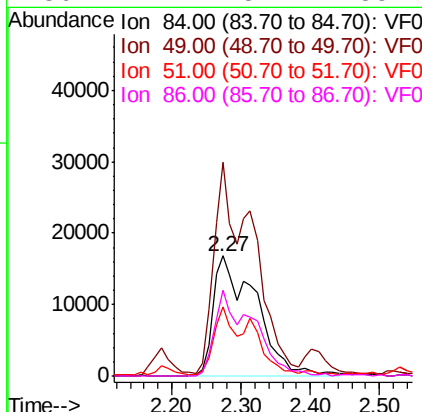
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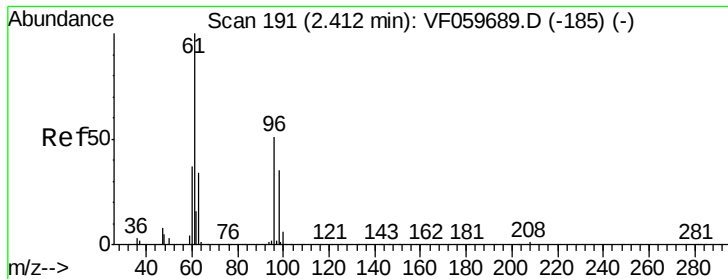
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#20
Methylene Chloride
Concen: 32.19 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 84 Resp: 71938
Ion Ratio Lower Upper
84 100
49 177.8 142.2 213.4
51 57.7 46.2 69.2
86 71.4 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 40.29 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

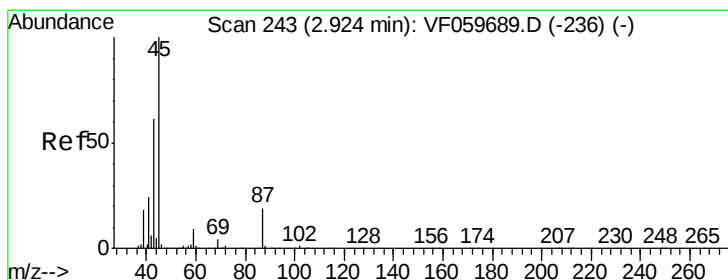
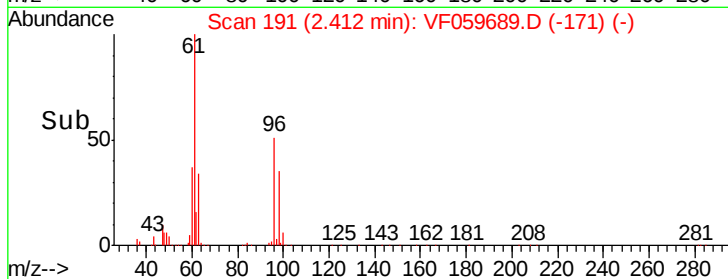
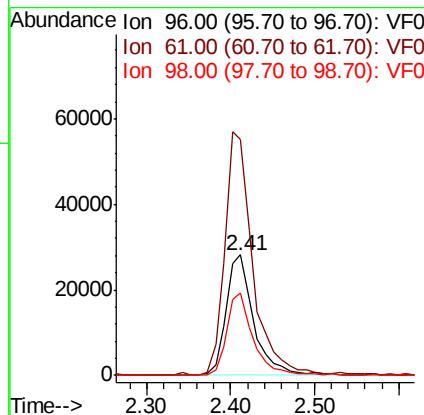
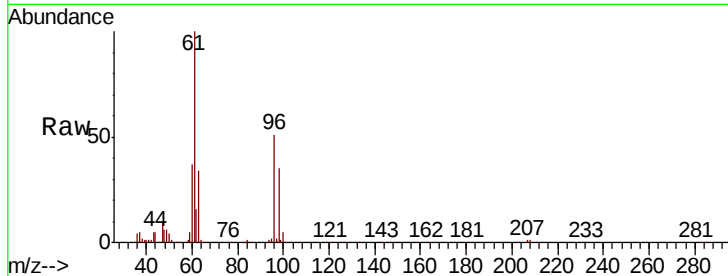
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	64039
Ion	Ratio	Lower	Upper
96	100		
61	196.7	157.4	236.0
98	68.7	55.0	82.4

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#22

Diisopropyl ether

Concen: 48.43 ug/l

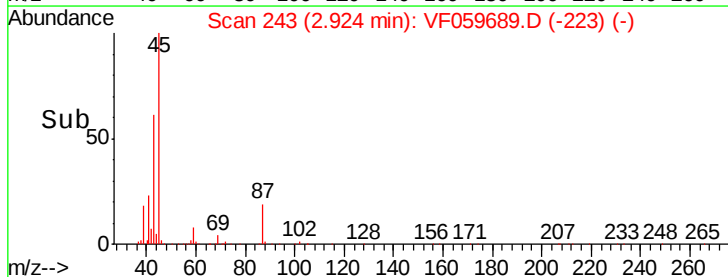
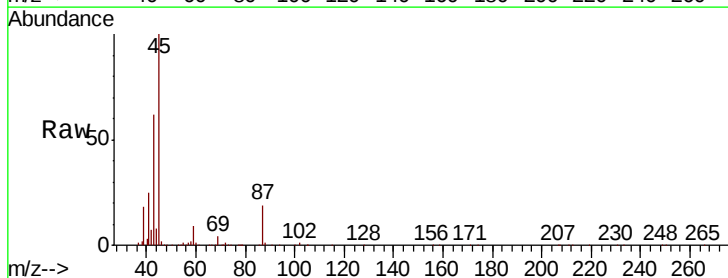
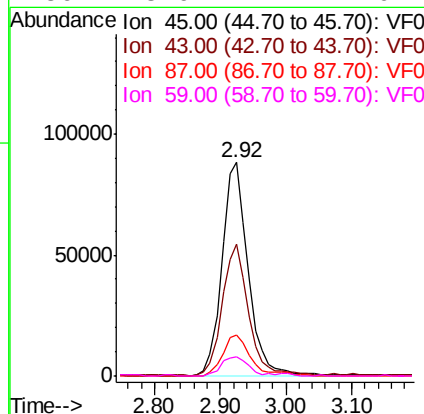
RT: 2.92 min Scan# 243

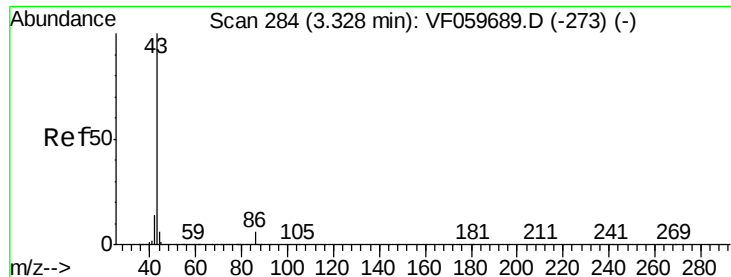
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	45	Resp:	245421
Ion	Ratio	Lower	Upper
45	100		
43	61.6	49.3	73.9
87	19.1	15.3	22.9
59	8.9	7.1	10.7





#23

Vinyl Acetate

Concen: 267.69 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 672467

Ion Ratio Lower Upper

43 100

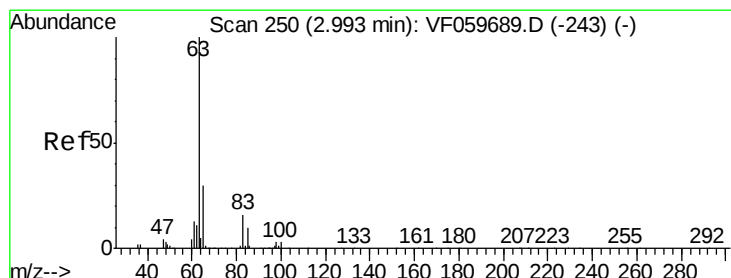
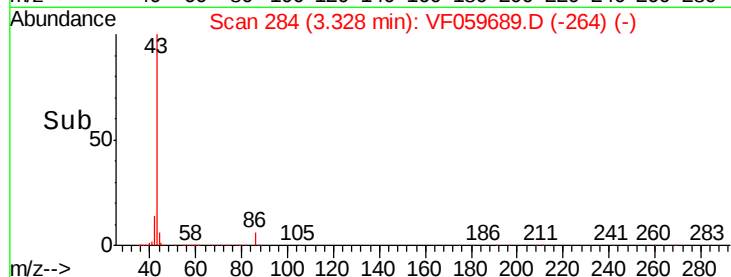
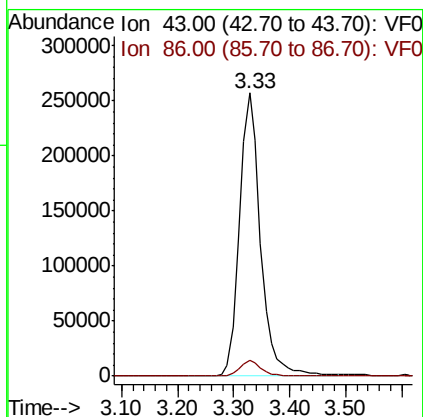
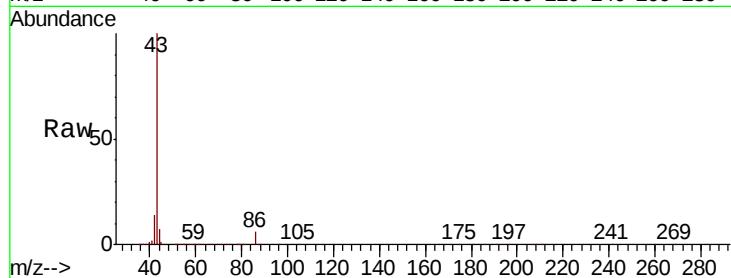
86 5.7 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 46.32 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

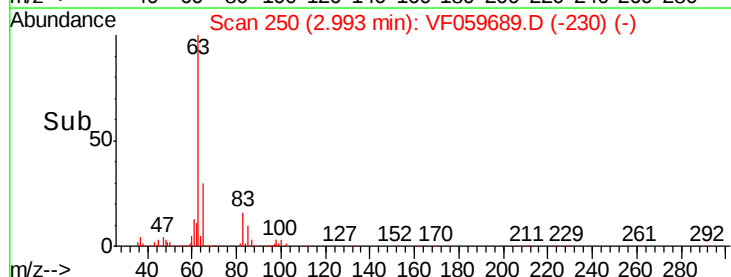
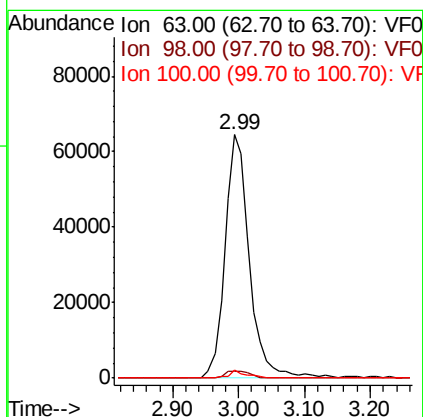
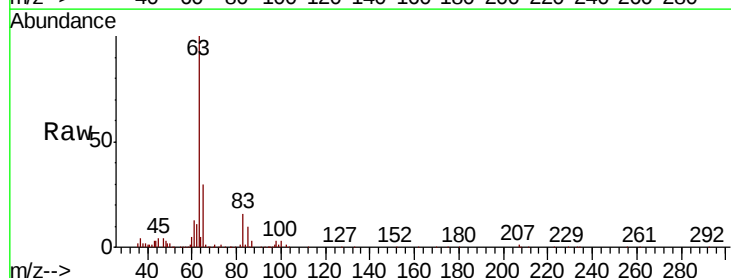
Tgt Ion: 63 Resp: 167002

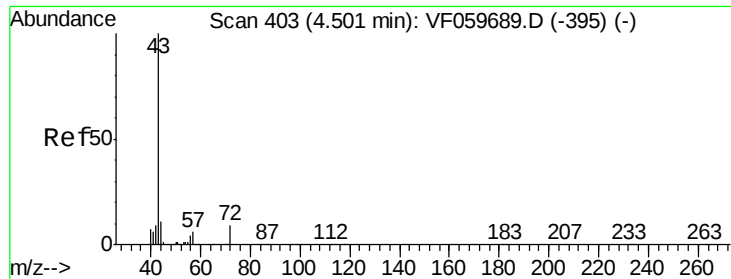
Ion Ratio Lower Upper

63 100

98 2.8 1.4 4.2

100 3.1 1.6 4.7





#25

2-Butanone

Concen: 316.97 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 211914

Ion Ratio Lower Upper

43 100

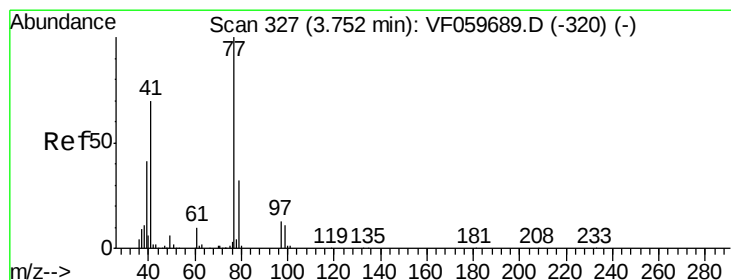
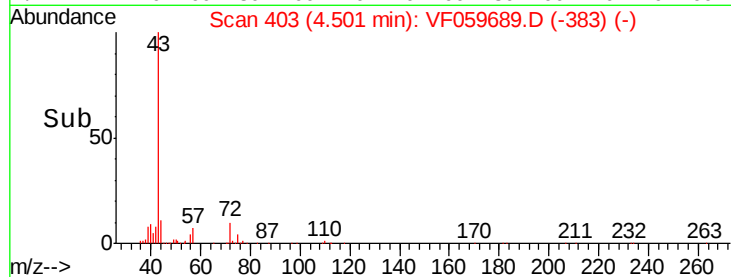
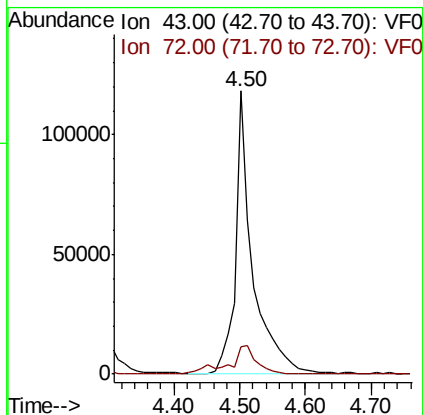
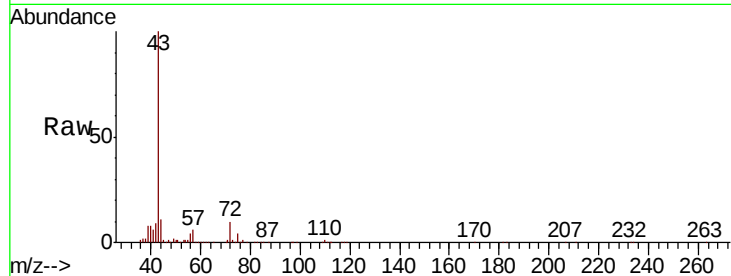
72 9.6 7.7 11.5

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#26

2,2-Dichloropropane

Concen: 42.51 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059689.D

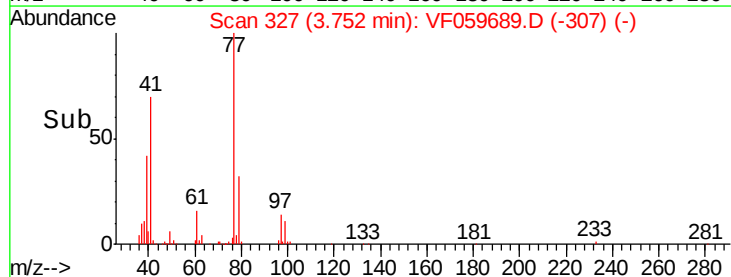
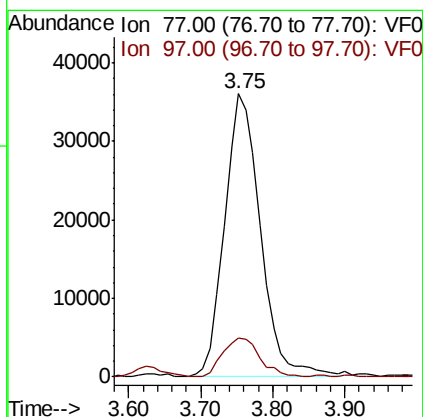
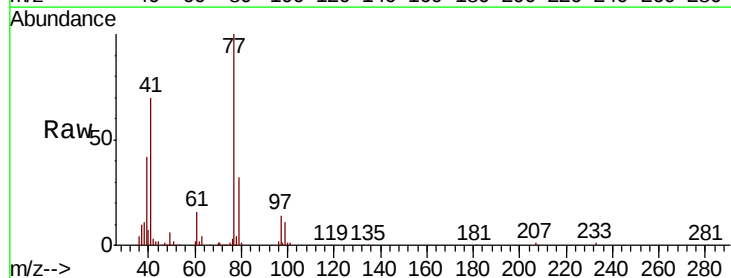
Acq: 30 Jul 2018 15:30

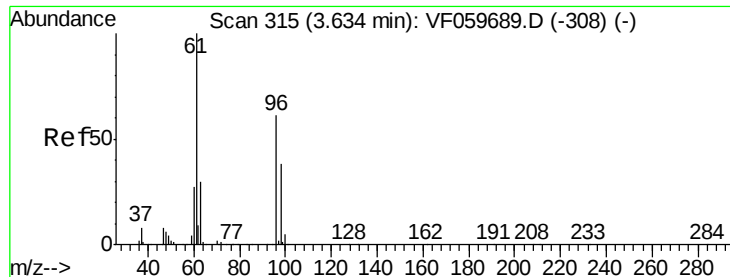
Tgt Ion: 77 Resp: 124689

Ion Ratio Lower Upper

77 100

97 13.6 6.8 20.4





#27

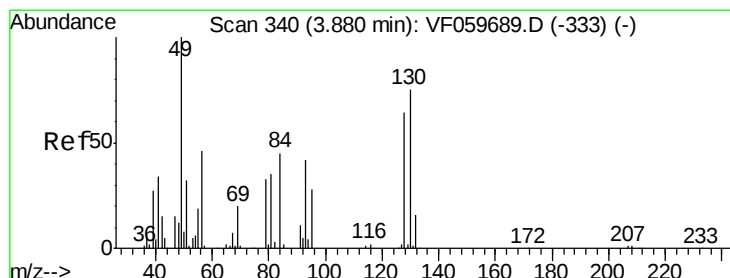
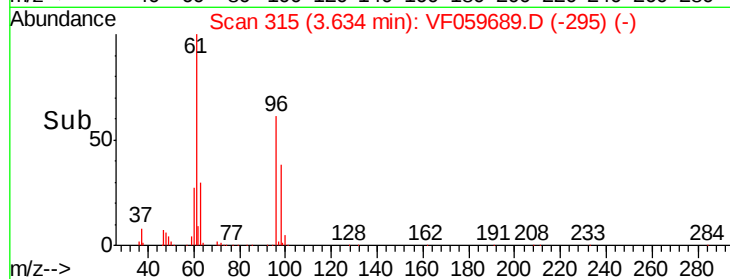
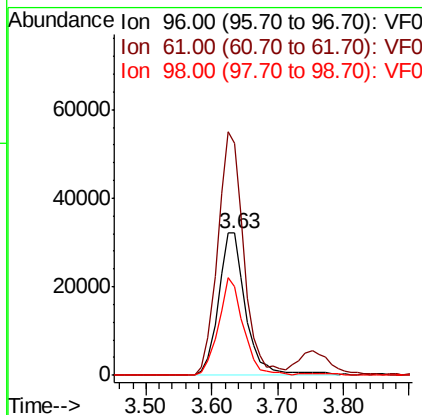
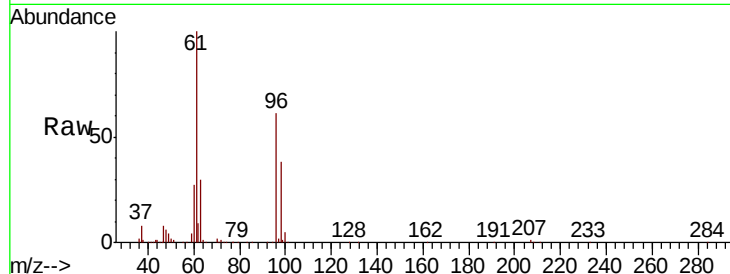
cis-1,2-Dichloroethene
Concen: 49.66 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.4	0.0	326.8	
98	62.6	0.0	125.2	

Manual Integrations
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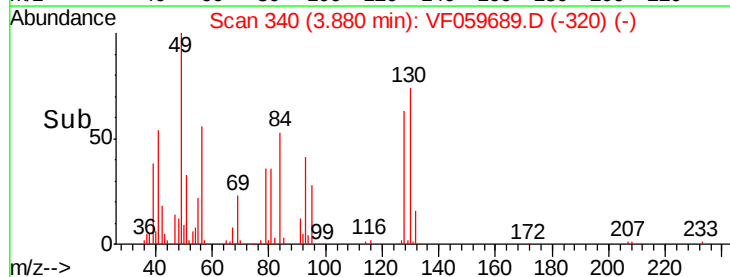
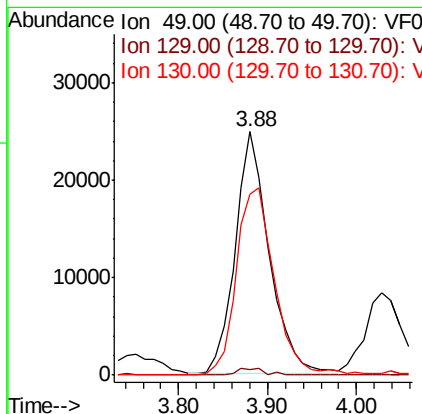
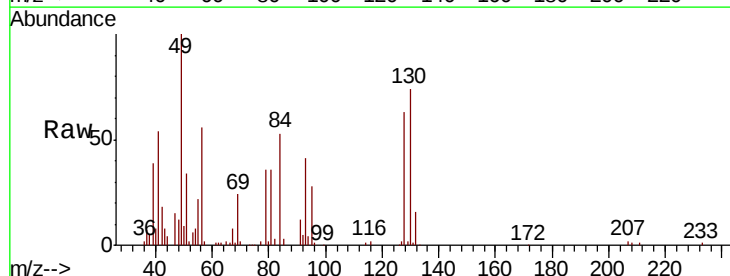
apatel
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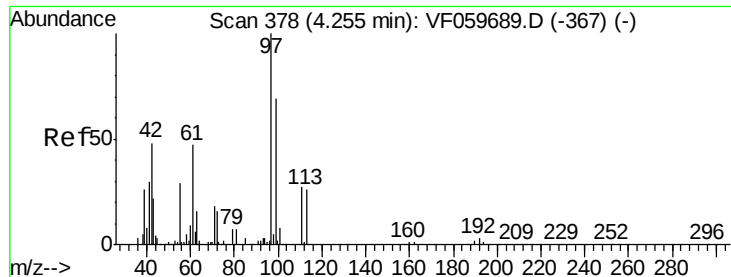


#28

Bromochloromethane
Concen: 49.27 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.8	
130	74.5	59.6	89.4	





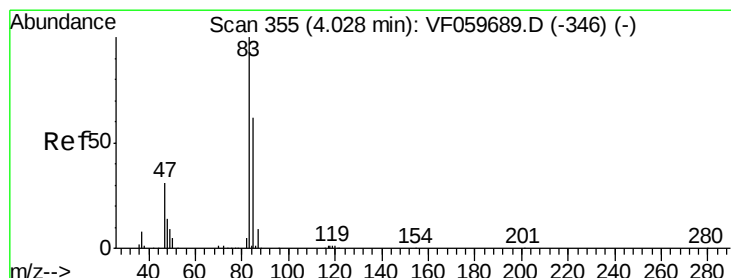
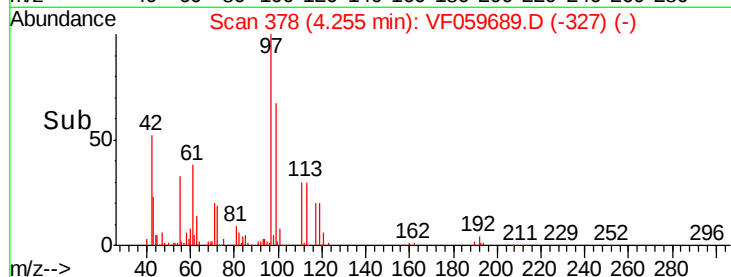
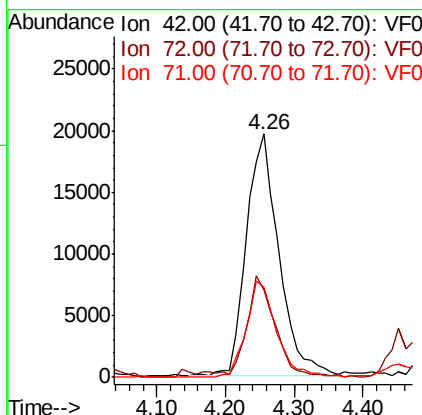
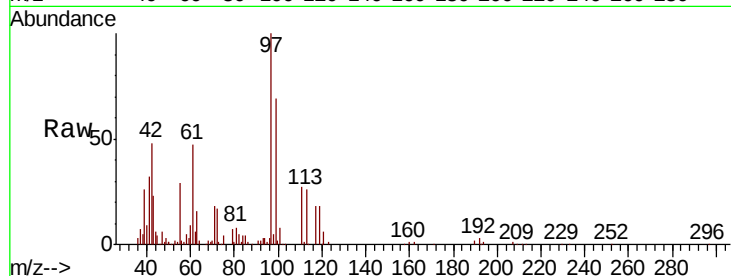
#29
Tetrahydrofuran
Concen: 239.74 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.0	40.6
71	37.1	29.7	44.5

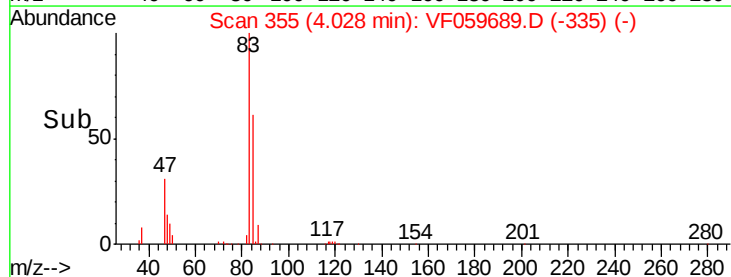
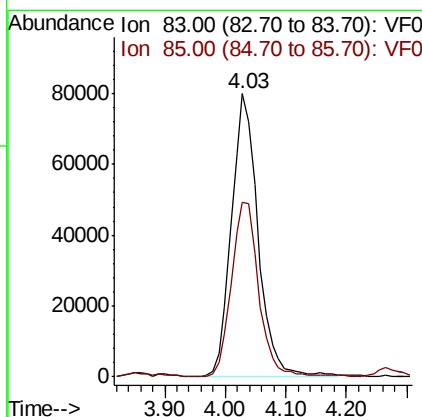
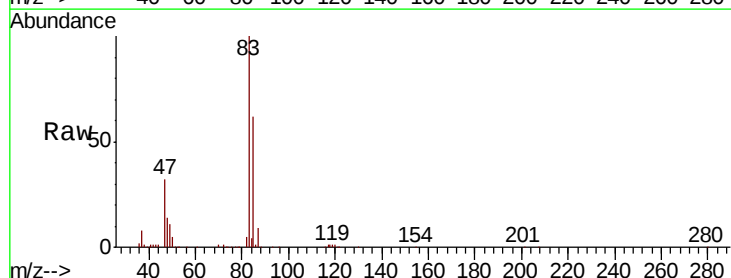
Manual Integrations
APPROVED

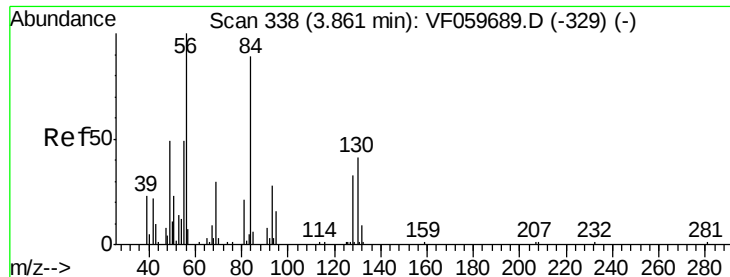
apatel
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#30
Chloroform
Concen: 48.12 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0





#31

Cyclohexane

Concen: 40.81 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

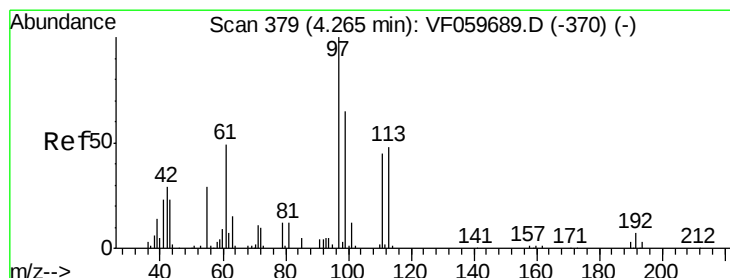
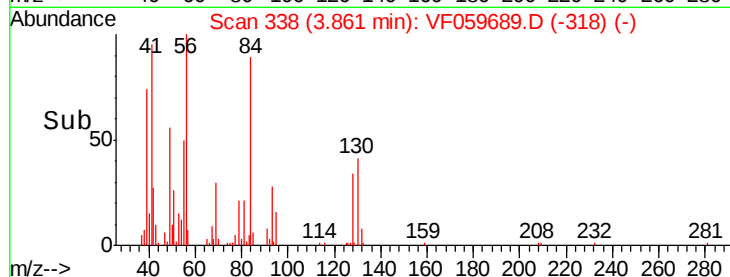
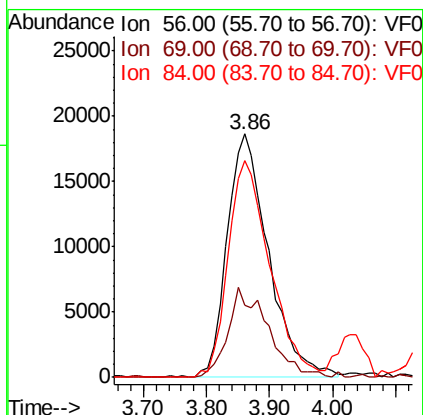
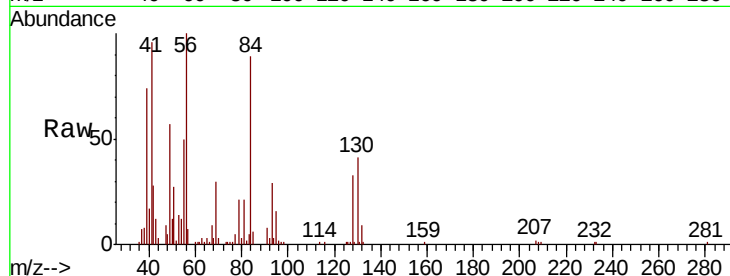
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	84554
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	88.9	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.50 ug/l

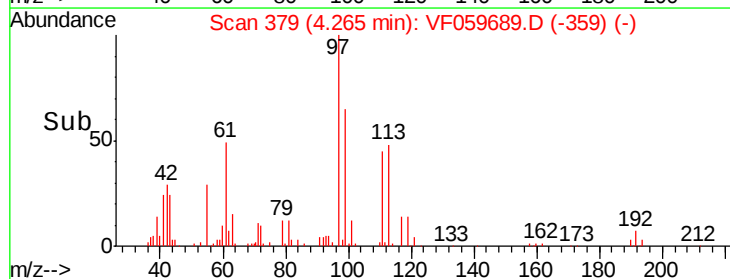
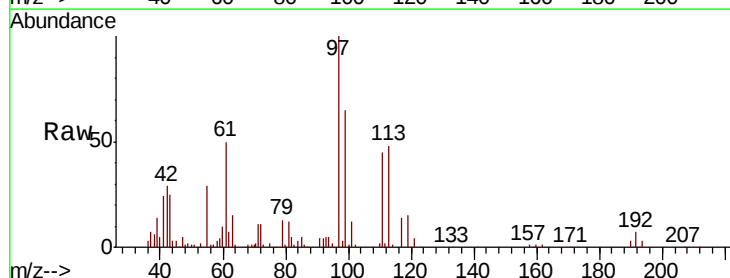
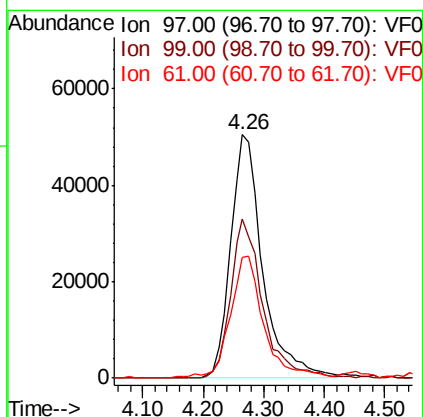
RT: 4.26 min Scan# 379

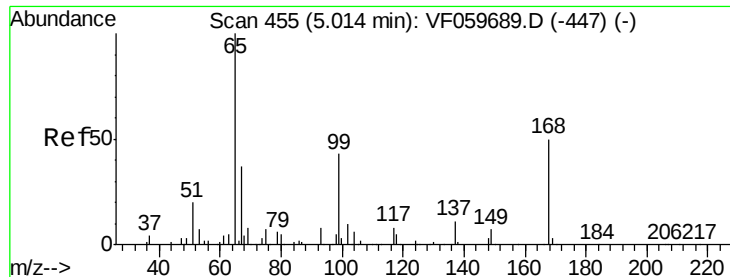
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	97	Resp:	185897
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	49.6	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 53.72 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tot Ion: 65 Resp: 178905

Ion Ratio Lower Upper

65 100

67 42.3 0.0 84.6

Instrument :

MSVOA_F

ClientSampleId :

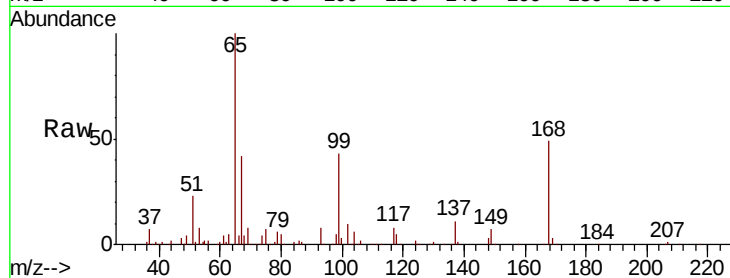
VSTDICCC050

Manual Integrations

APPROVED

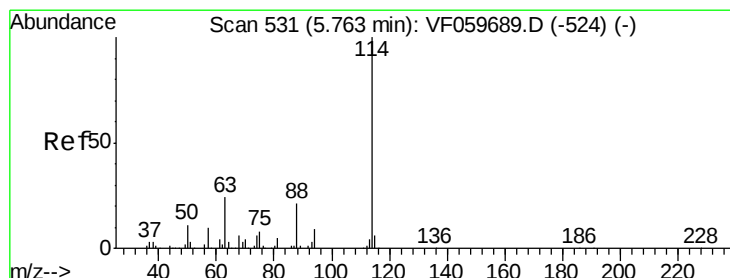
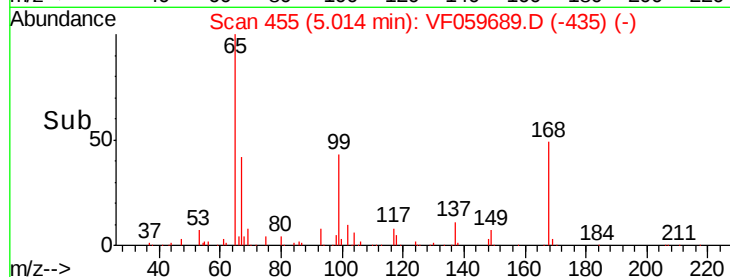
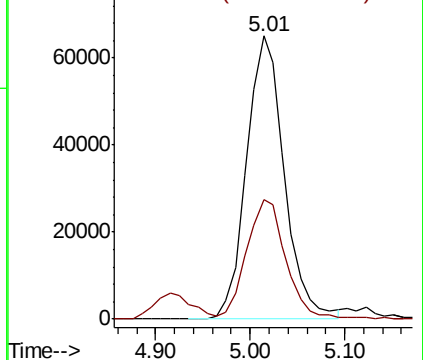
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

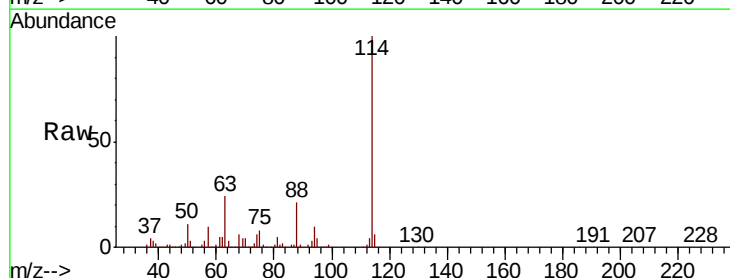
Tgt Ion: 114 Resp: 288674

Ion Ratio Lower Upper

114 100

63 23.7 0.0 47.4

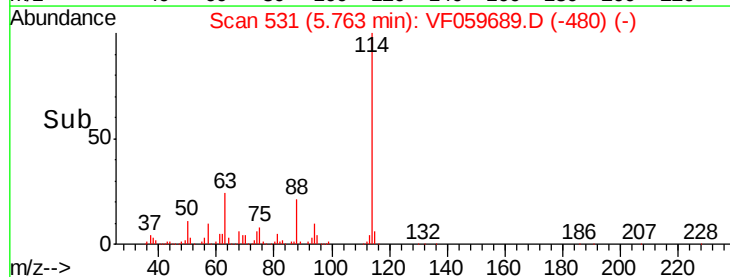
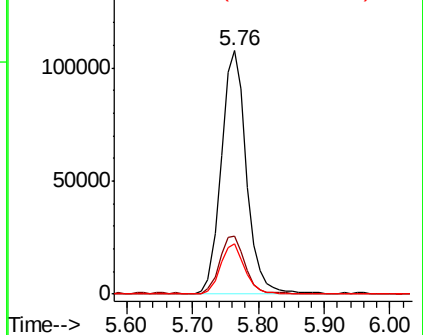
88 20.6 0.0 41.2

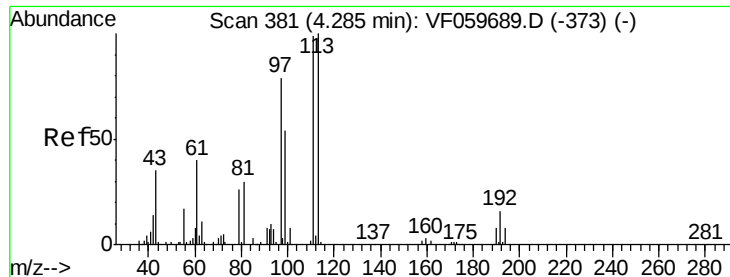


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





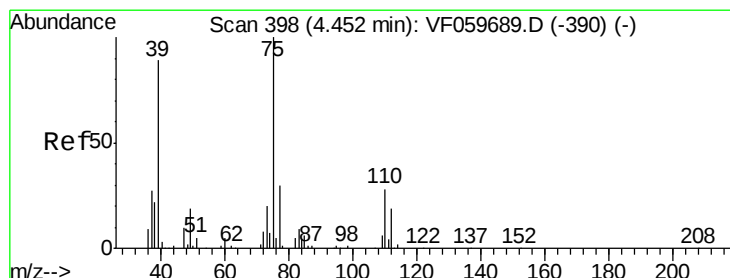
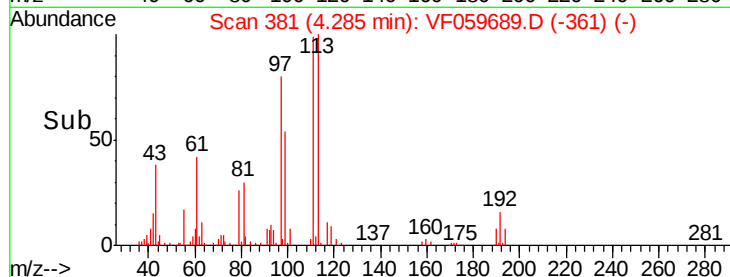
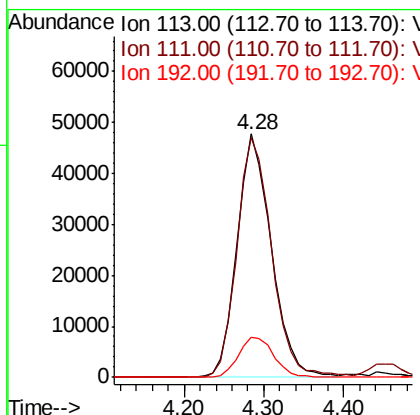
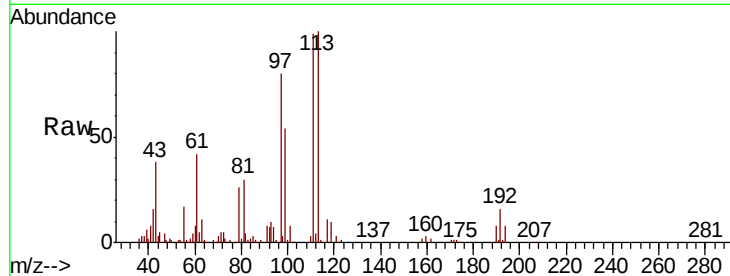
#35
 Dibromofluoromethane
 Concen: 51.56 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.7	79.0	118.4
192	16.5	13.2	19.8

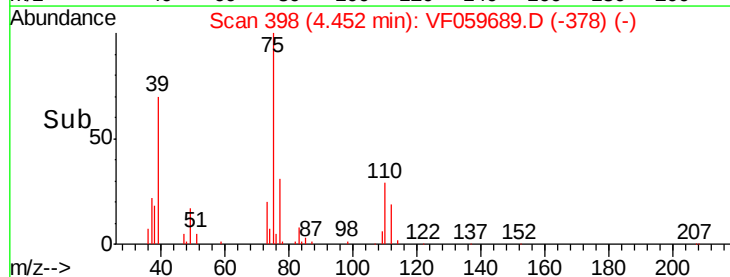
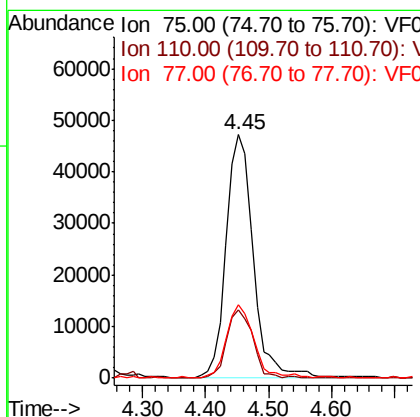
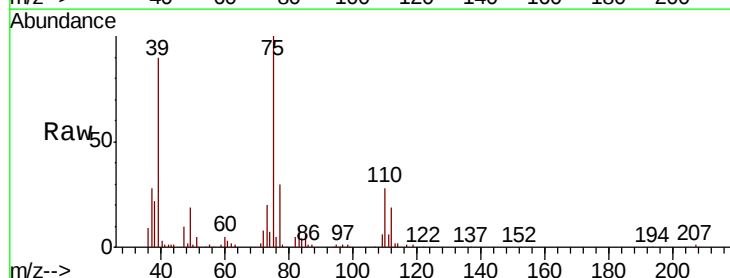
Manual Integrations
 APPROVED

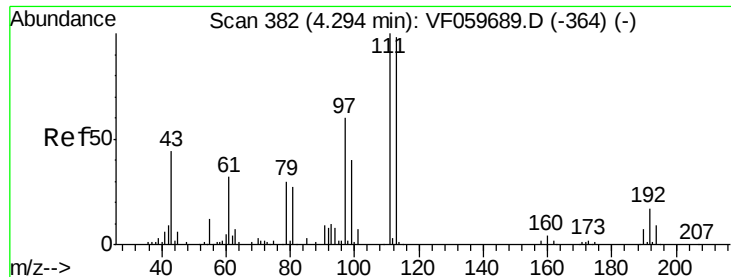
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#36
 1,1-Dichloropropene
 Concen: 45.09 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.9	14.0	41.9
77	30.2	24.2	36.2





#37

Ethyl Acetate

Concen: 53.78 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

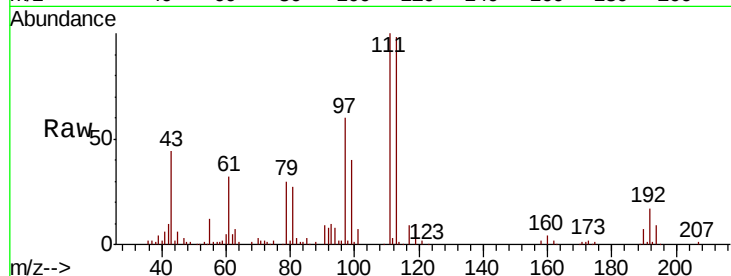
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	73460
Ion	Ratio	Lower	Upper
43	100		
61	72.7	58.2	87.2
70	7.5	6.0	9.0

Manual Integrations
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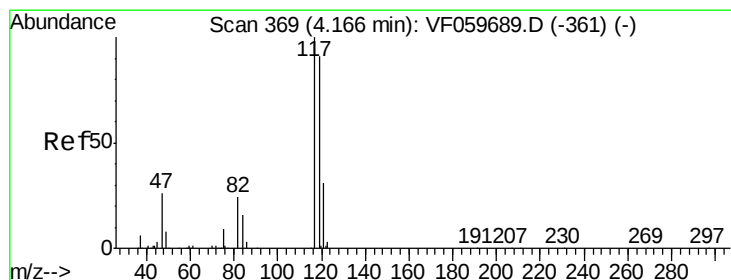
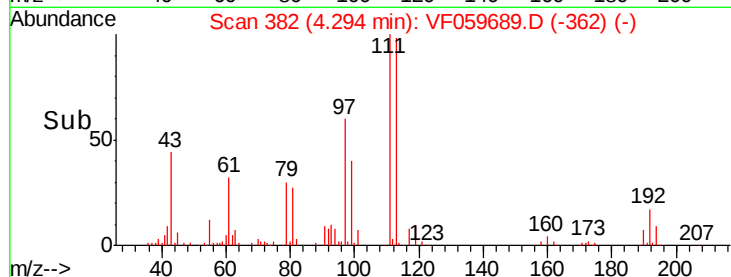
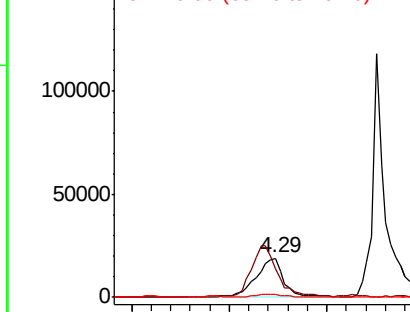


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 44.72 ug/l m

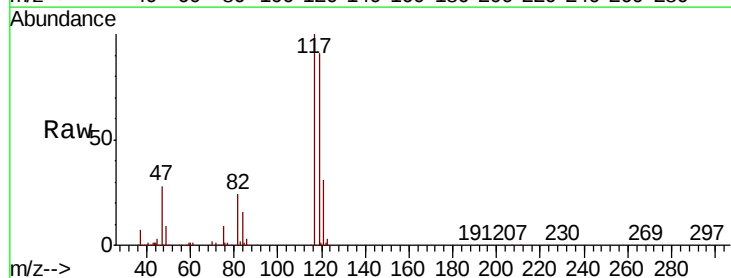
RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	117	Resp:	205452
Ion	Ratio	Lower	Upper
117	100		
119	91.1	72.9	109.3
121	31.2	25.0	37.4

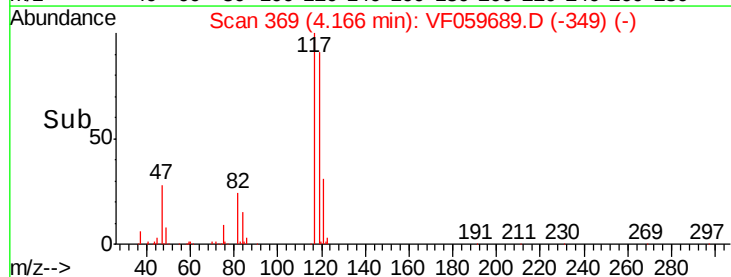
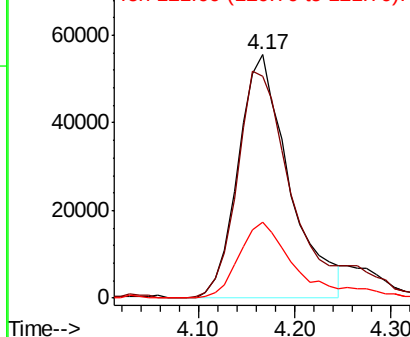


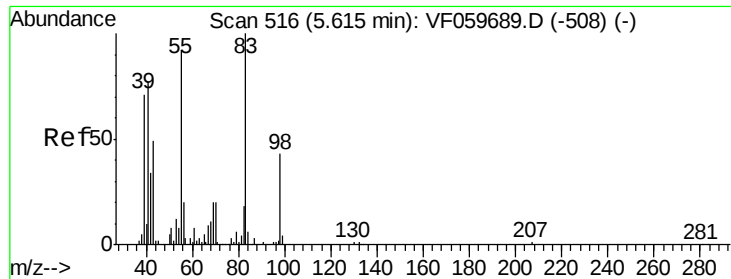
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





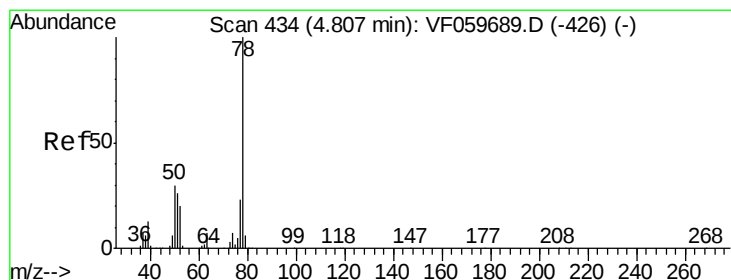
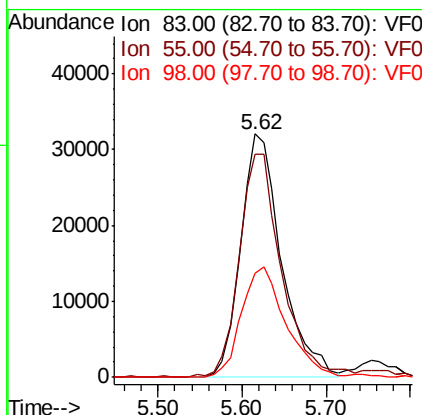
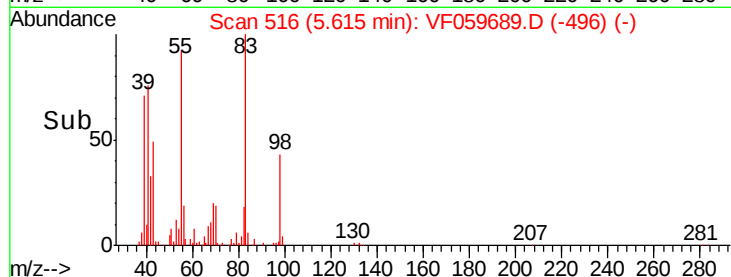
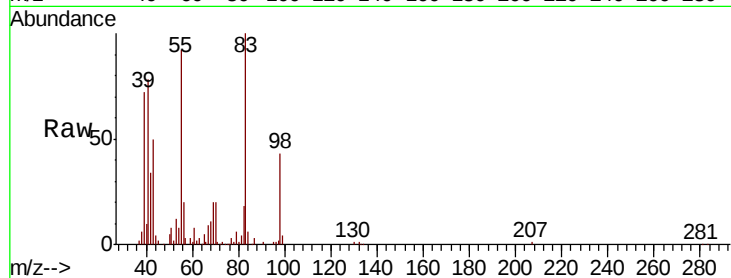
#39
Methvlcvclohexane
Concen: 42.75 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	73.4	110.2
98	42.8	34.2	51.4

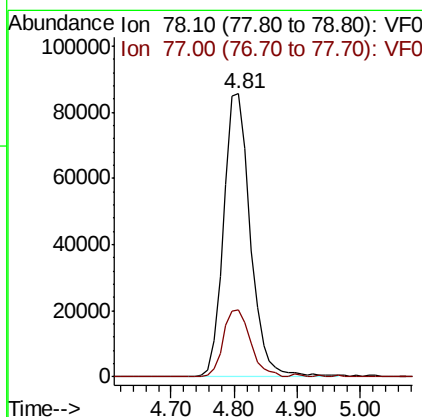
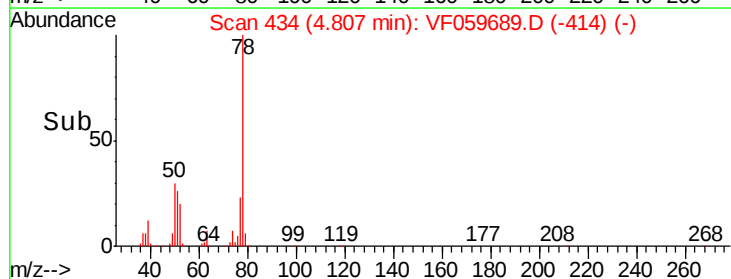
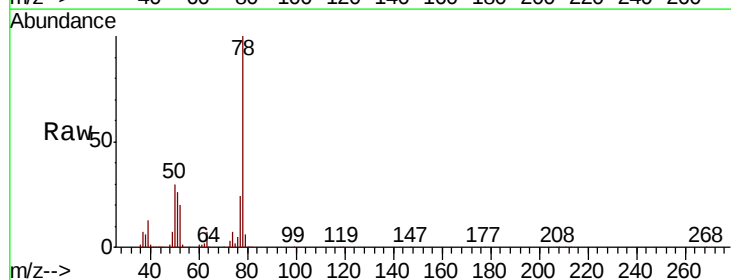
Manual Integrations
APPROVED

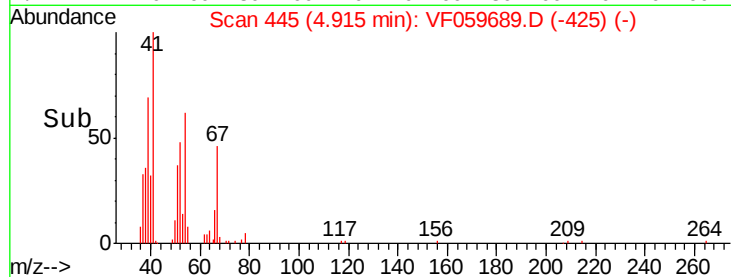
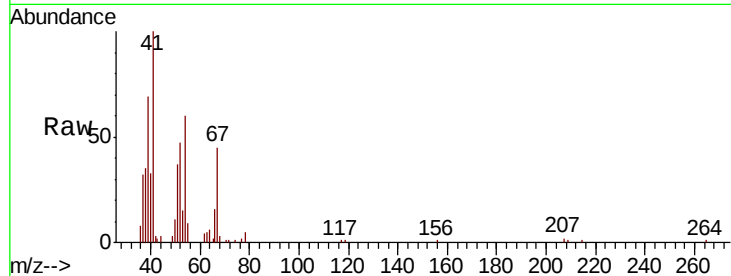
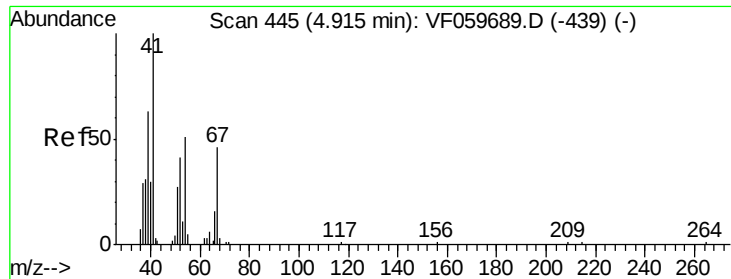
apatel
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#40
Benzene
Concen: 45.49 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





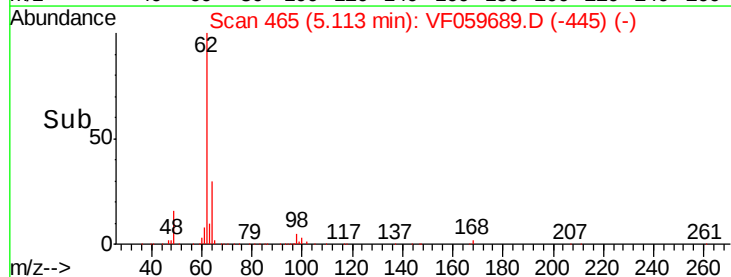
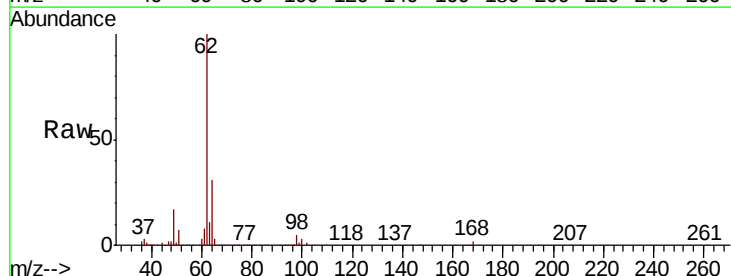
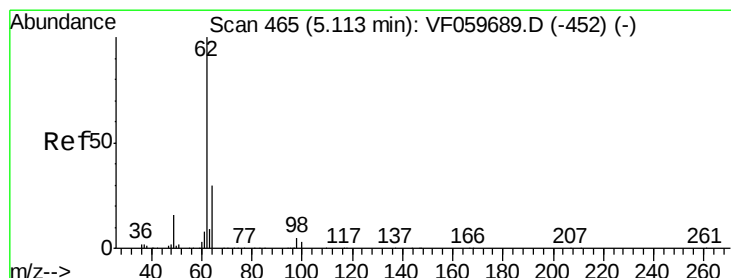
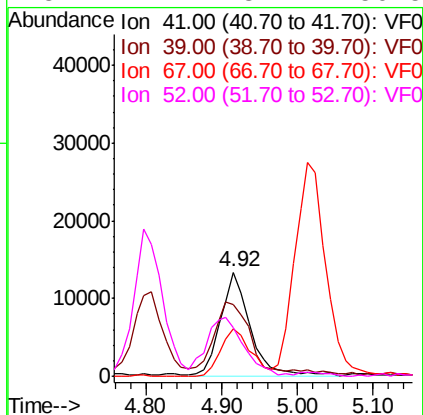
#41
Methacrylonitrile
Concen: 54.80 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.0	55.2	82.8
67	45.2	36.2	54.2
52	47.1	37.7	56.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

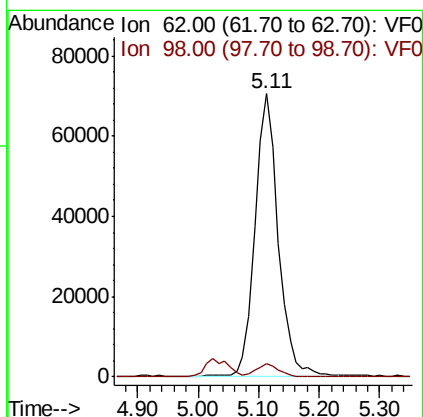
Manual Integrations
APPROVED

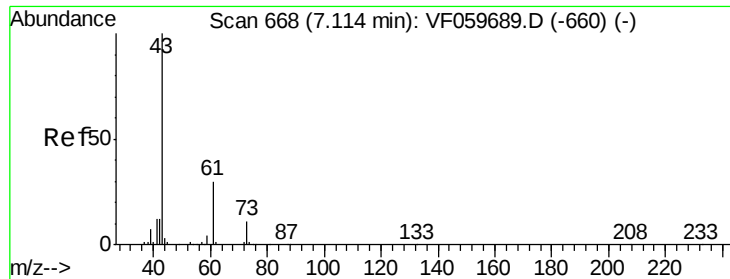
apatel
7/31/2018 12:12:39 PM



#42
1,2-Dichloroethane
Concen: 52.18 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





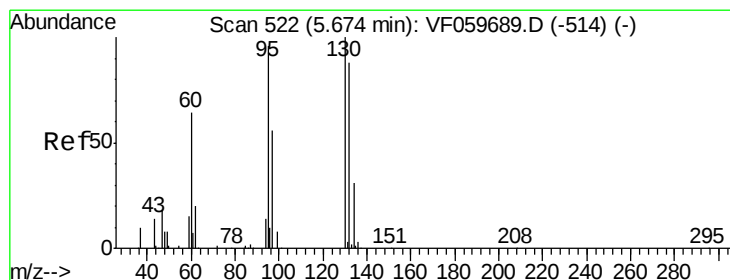
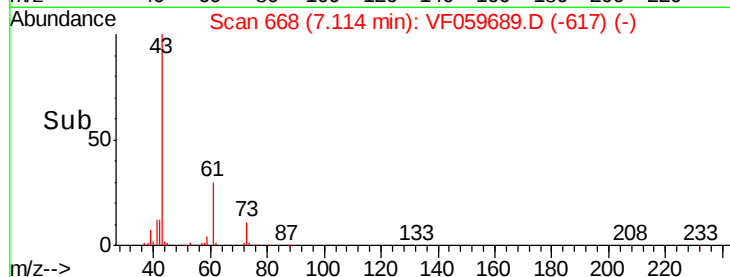
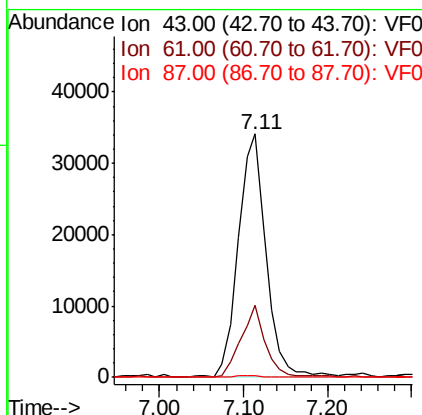
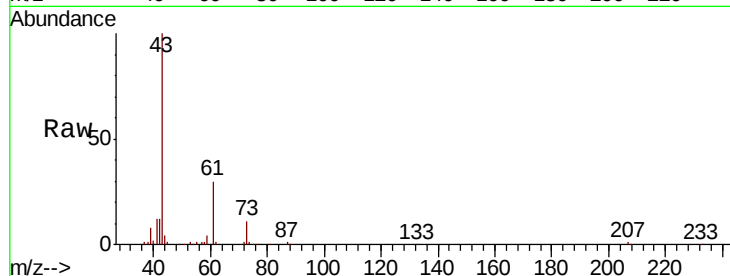
#43
Isopropyl Acetate
Concen: 54.48 ug/l
RT: 7.11 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	77047
Ion Ratio	100	Lower	Upper
43	100		
61	29.8	23.8	35.8
87	0.8	0.6	1.0

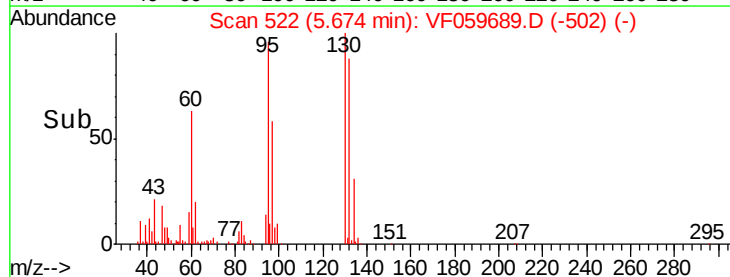
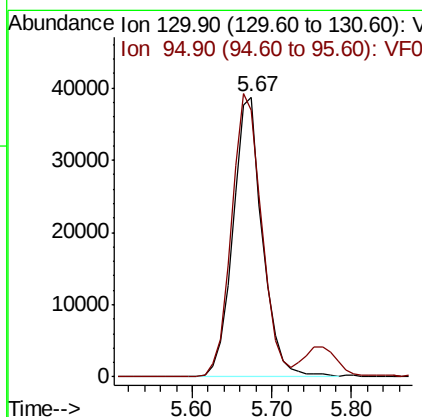
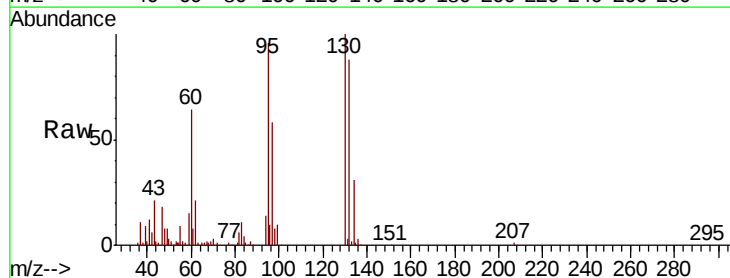
Manual Integrations
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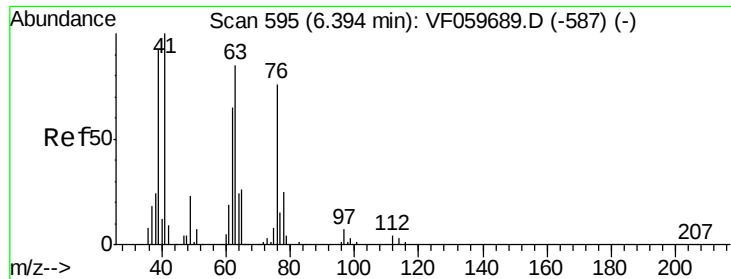
apatel
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#44
Trichloroethene
Concen: 46.46 ug/l
RT: 5.67 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	130	Resp	100080
Ion Ratio	100	Lower	Upper
130	100		
95	95.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 49.56 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 73243

Ion Ratio Lower Upper

63 100

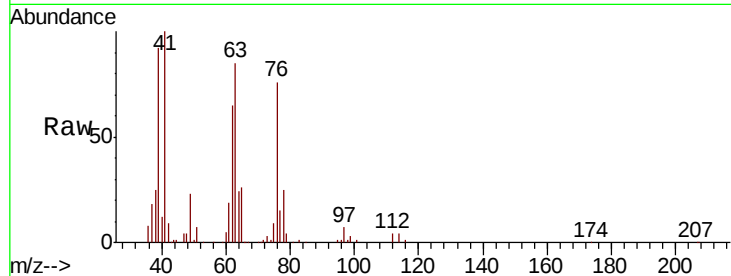
65 31.5 25.2 37.8

Manual Integrations

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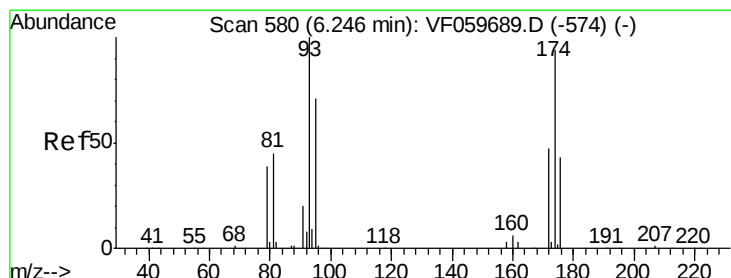
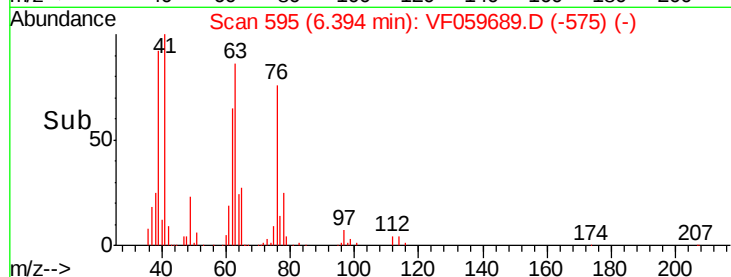
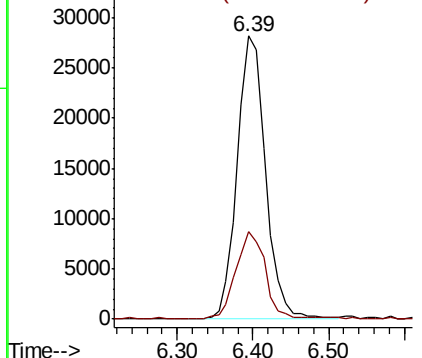
apatel

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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: 53.78 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

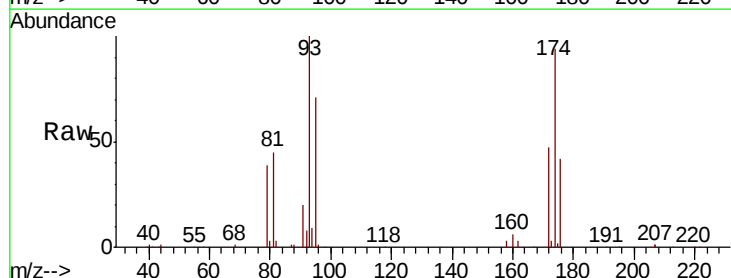
Tgt Ion: 93 Resp: 69017

Ion Ratio Lower Upper

93 100

95 71.4 57.1 85.7

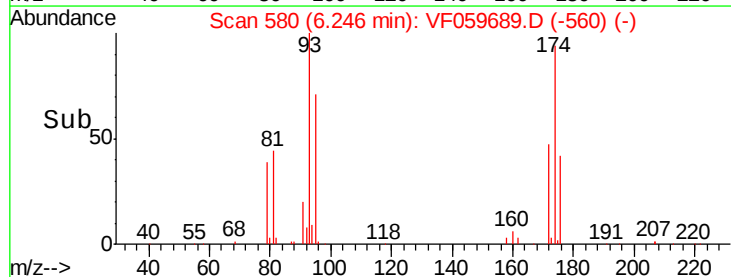
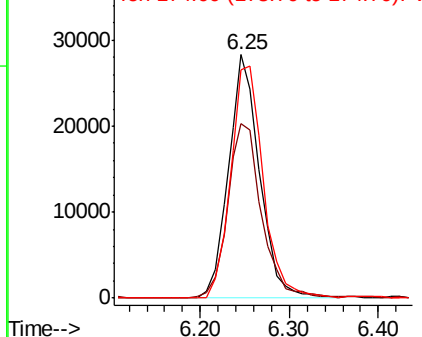
174 93.5 74.8 112.2

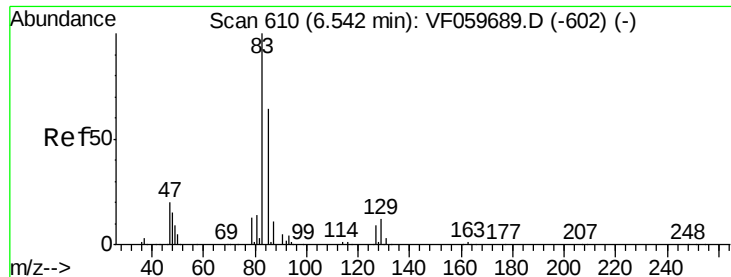


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 50.13 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

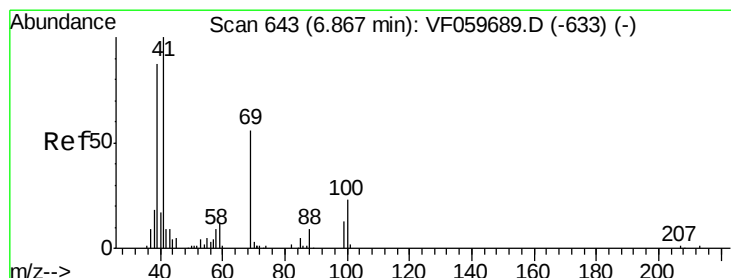
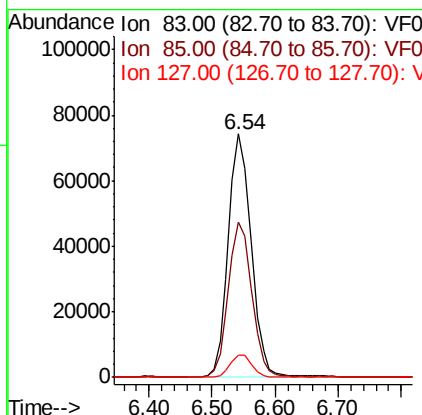
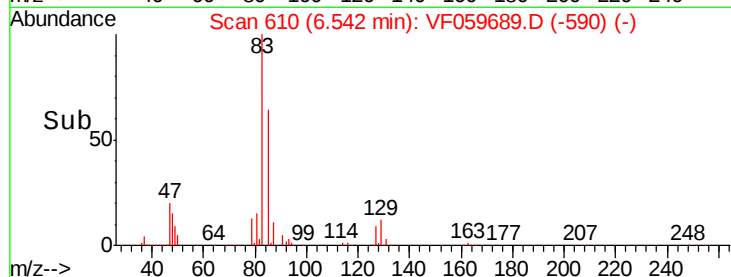
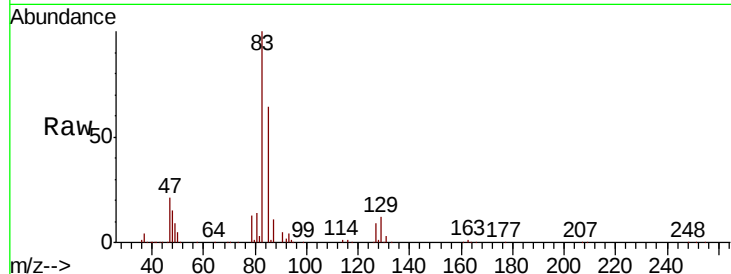
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	188501
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.0	76.6
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.28 ug/l

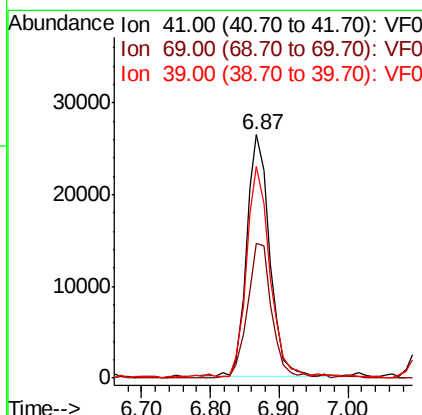
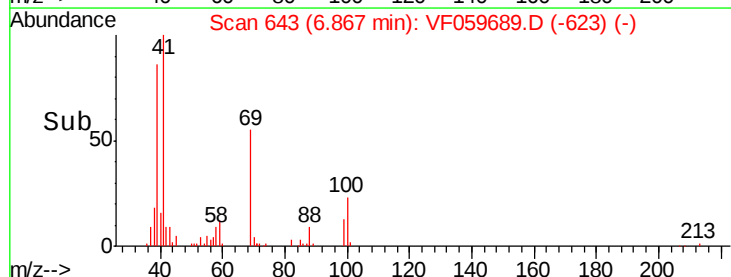
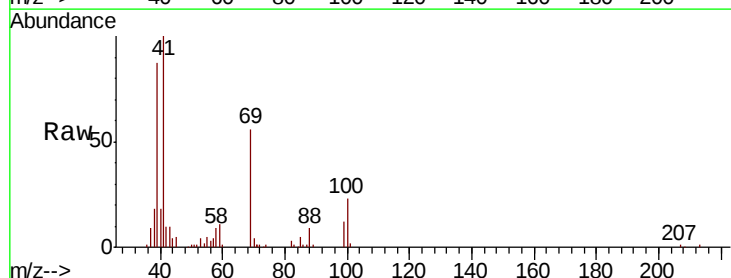
RT: 6.87 min Scan# 643

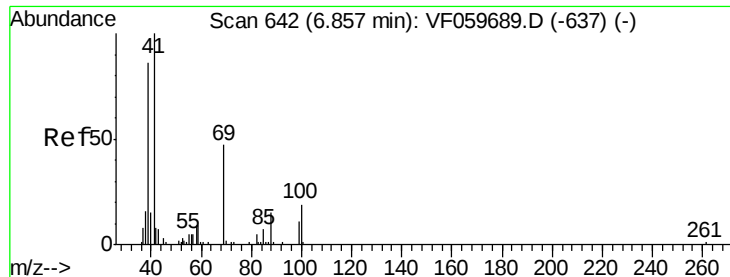
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	41	Resp:	61363
Ion Ratio	Lower	Upper	
41	100		
69	55.5	44.4	66.6
39	86.8	69.4	104.2





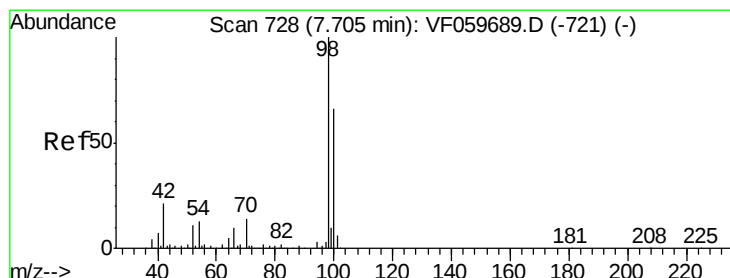
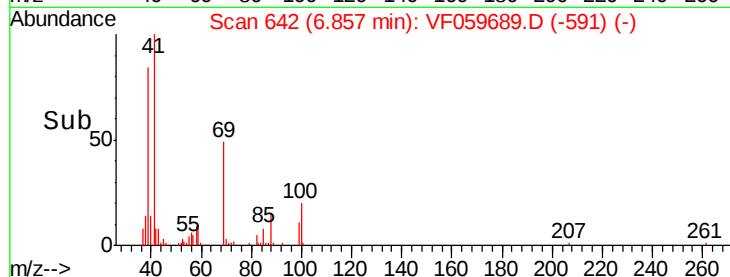
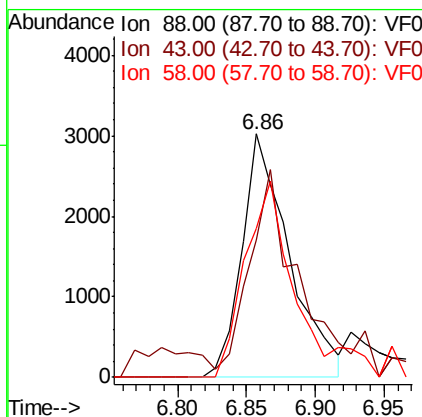
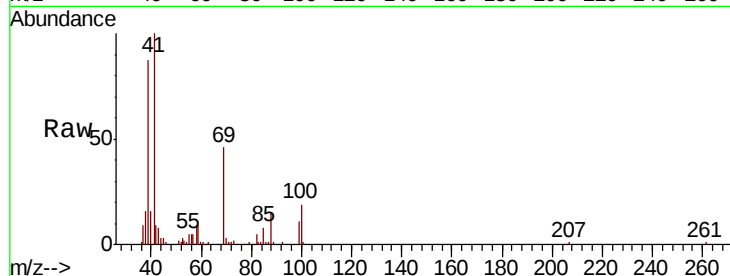
#49
1,4-Dioxane
Concen: 819.84 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.5	45.2	67.8
58	61.3	49.0	73.6

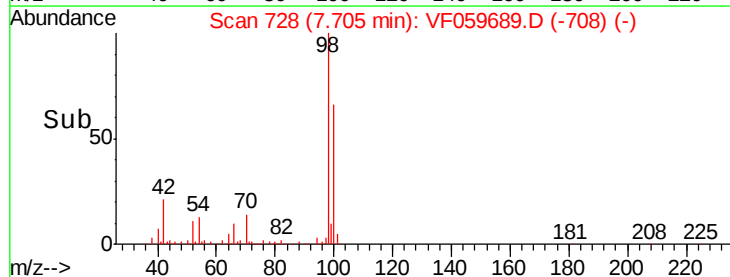
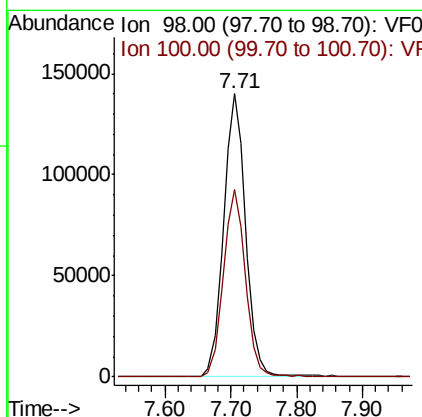
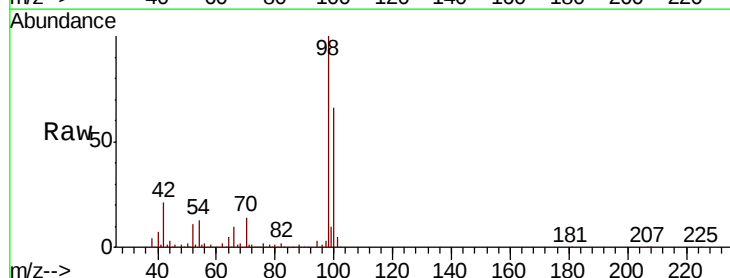
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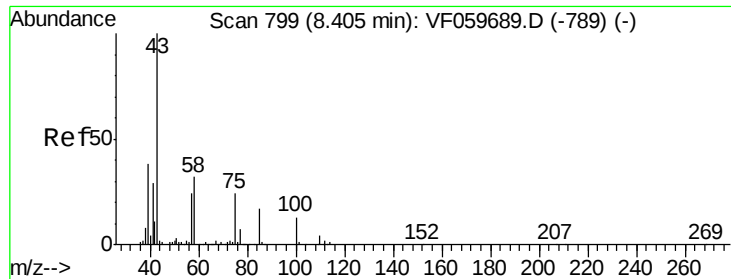
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#50
Toluene-d8
Concen: 49.20 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 278.59 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 317060

Ion Ratio Lower Upper

43 100

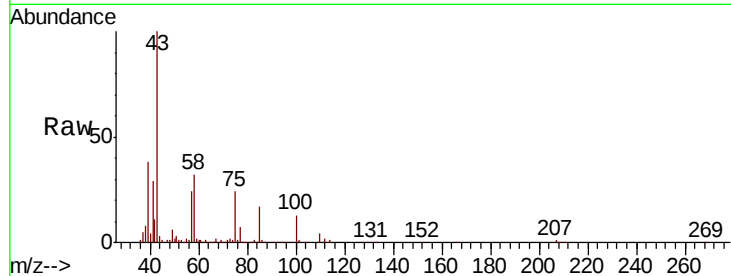
58 32.4 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

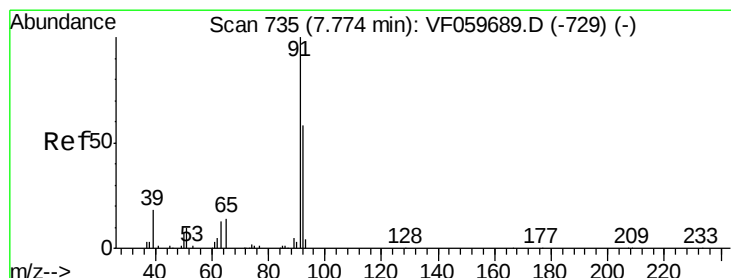
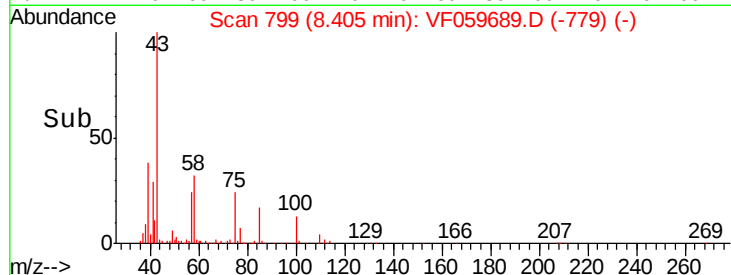
100000

50000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 45.75 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059689.D

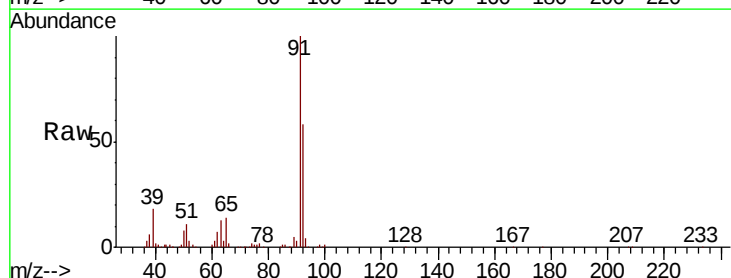
Acq: 30 Jul 2018 15:30

Tgt Ion: 92 Resp: 188972

Ion Ratio Lower Upper

92 100

91 173.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

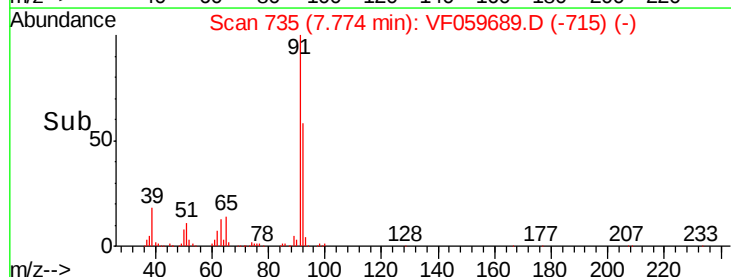
100000

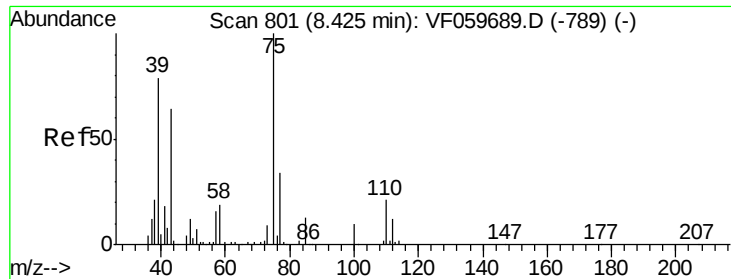
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.29 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 157260

Ion Ratio Lower Upper

75 100

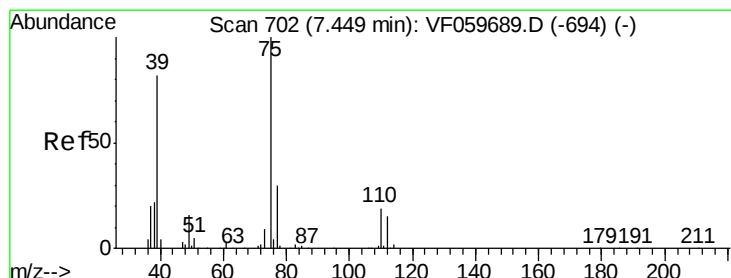
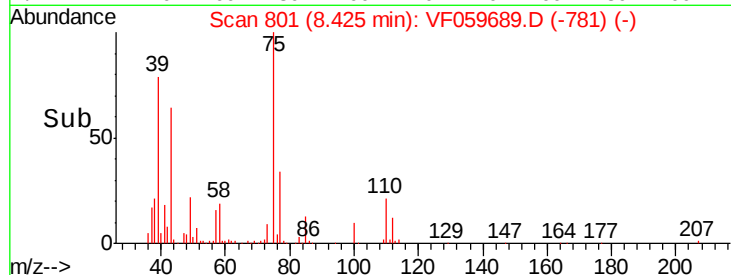
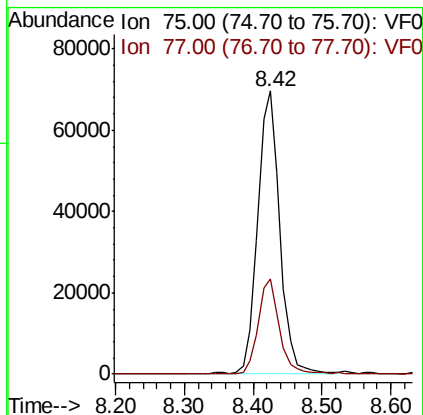
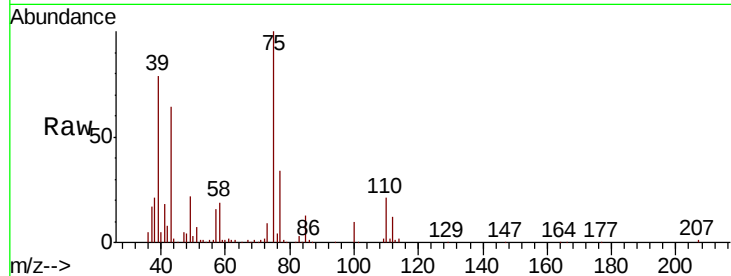
77 33.7 27.0 40.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.62 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

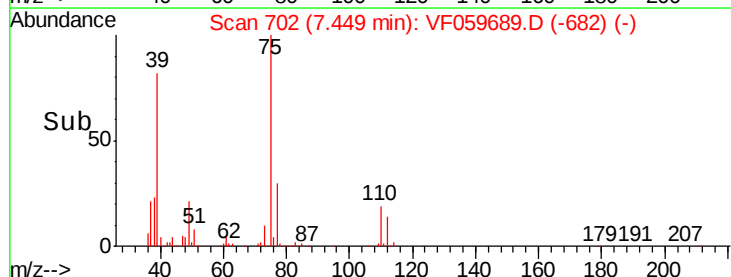
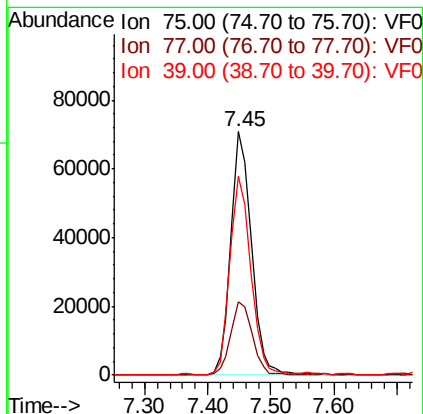
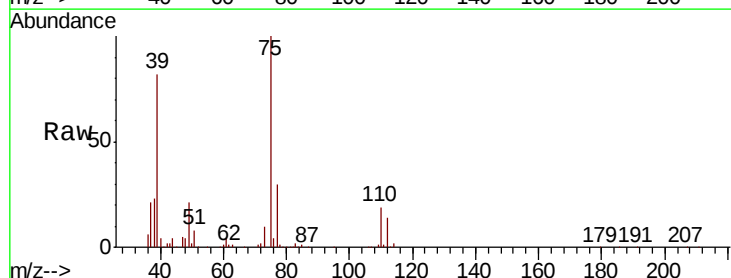
Tgt Ion: 75 Resp: 161109

Ion Ratio Lower Upper

75 100

77 30.0 24.0 36.0

39 81.8 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 54.33 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

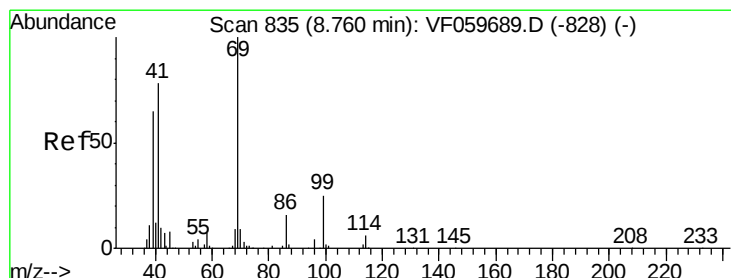
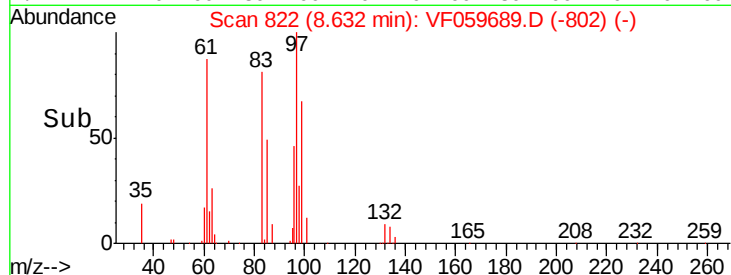
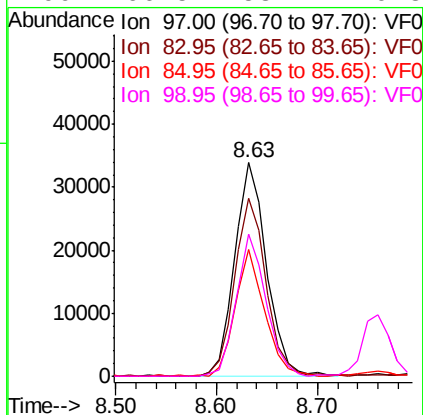
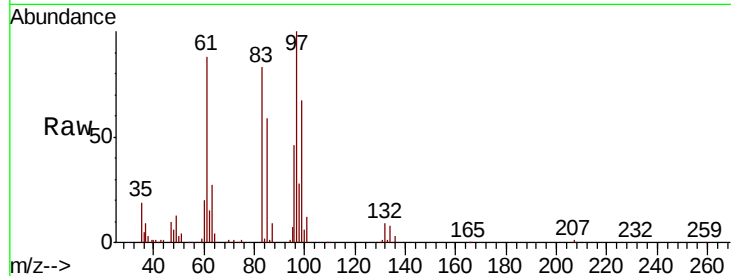
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	74537
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	59.2	47.4	71.0
99	66.5	53.2	79.8

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#56

Ethyl methacrylate

Concen: 57.53 ug/l

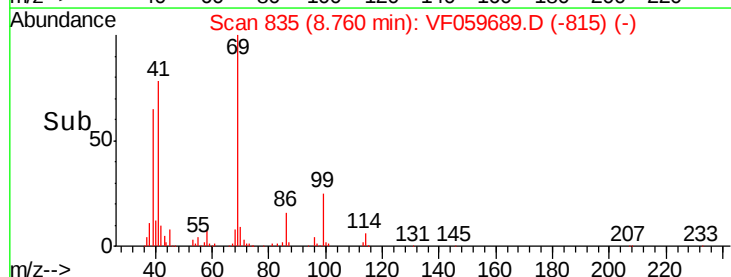
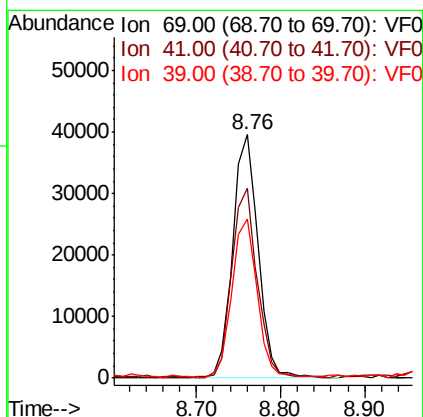
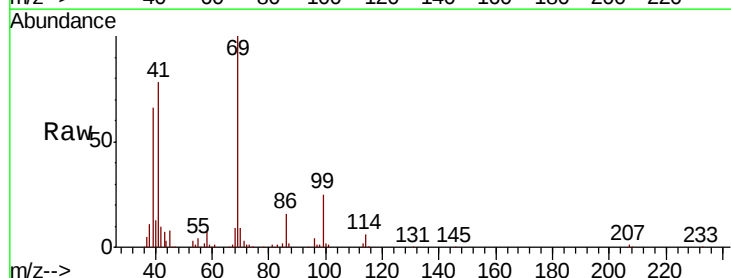
RT: 8.76 min Scan# 835

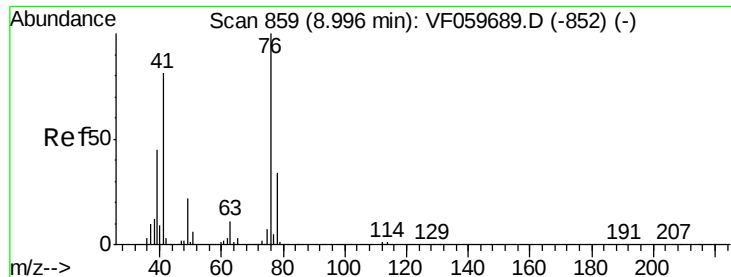
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	69	Resp:	83679
Ion	Ratio	Lower	Upper
69	100		
41	77.9	62.3	93.5
39	65.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 52.88 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 125469

Ion Ratio Lower Upper

76 100

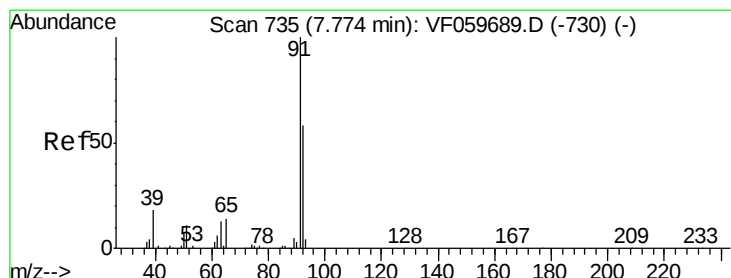
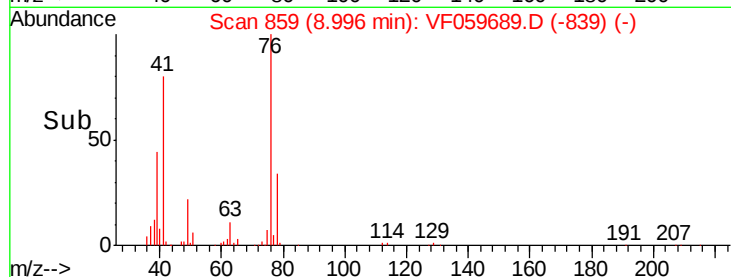
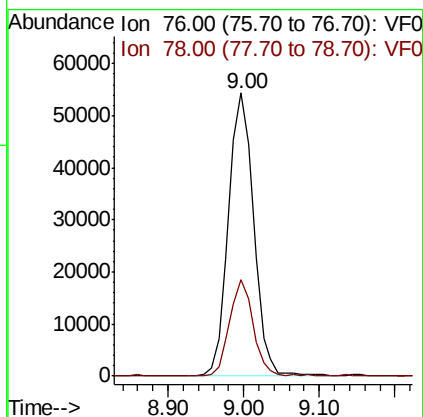
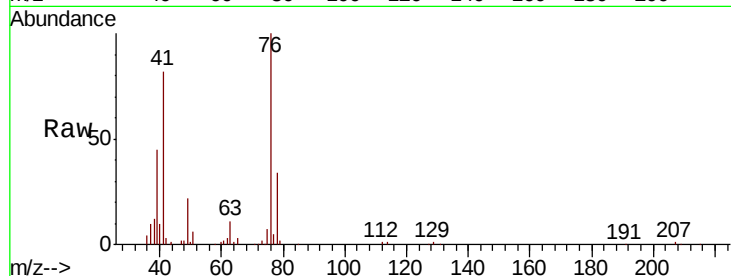
78 34.0 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 238.36 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059689.D

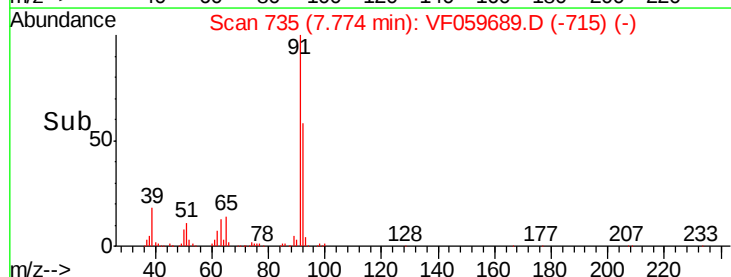
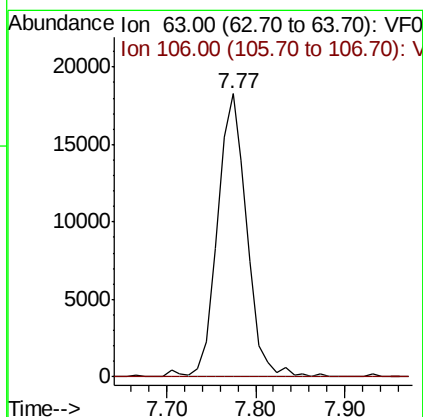
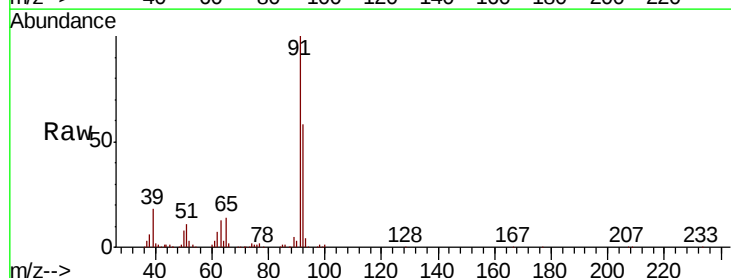
Acq: 30 Jul 2018 15:30

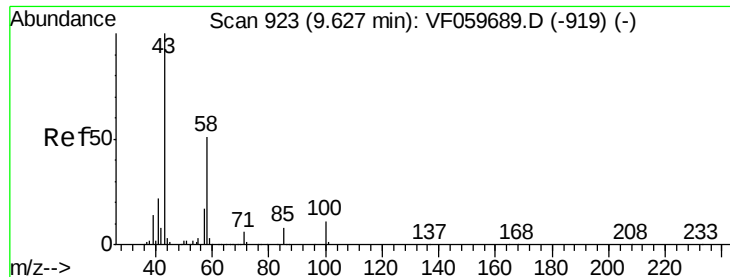
Tgt Ion: 63 Resp: 41860

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





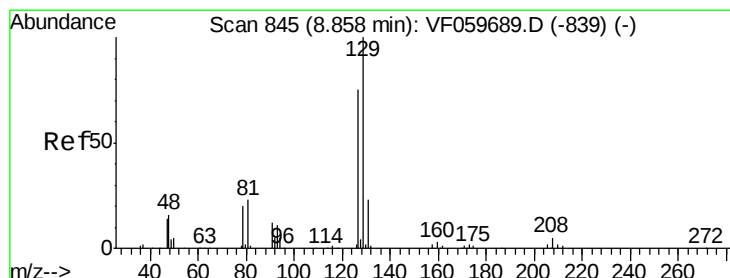
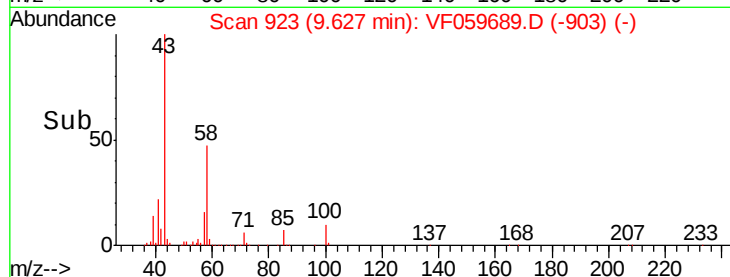
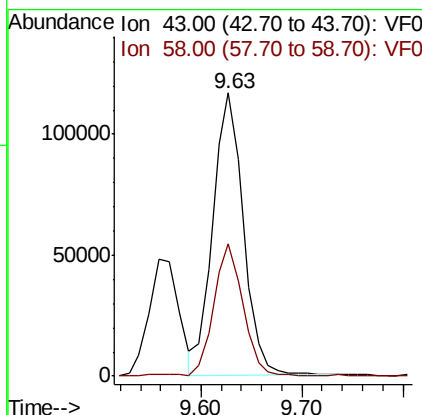
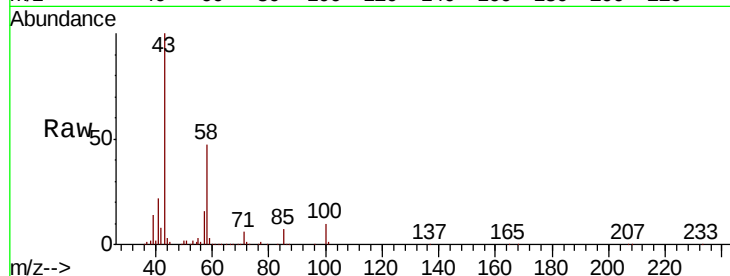
#59
2-Hexanone
Concen: 291.49 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.5	23.3	69.8

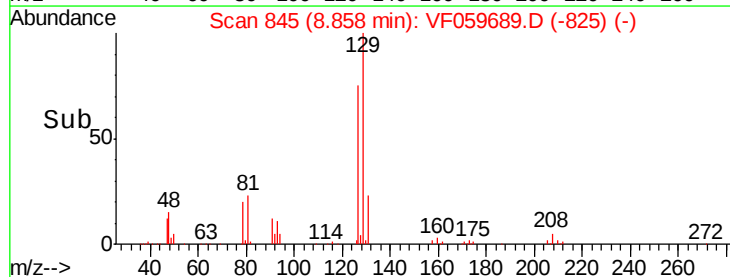
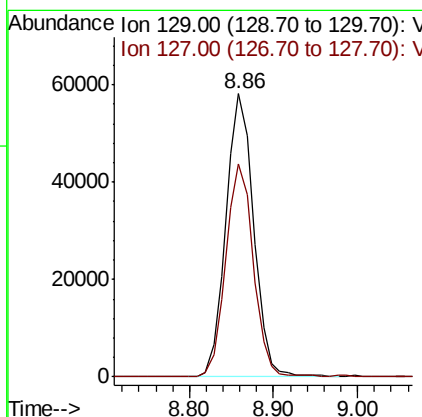
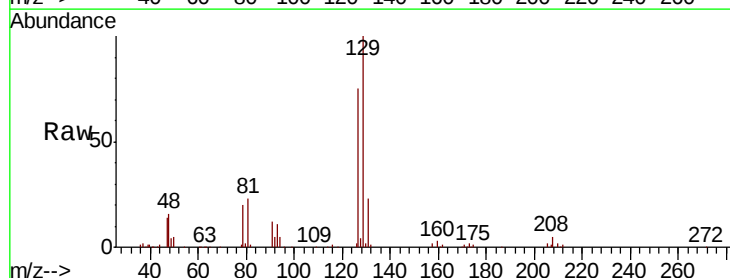
Manual Integrations
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#60
Dibromochloromethane
Concen: 53.88 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	37.7	113.1





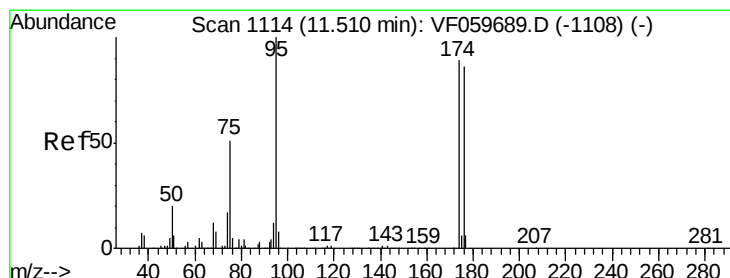
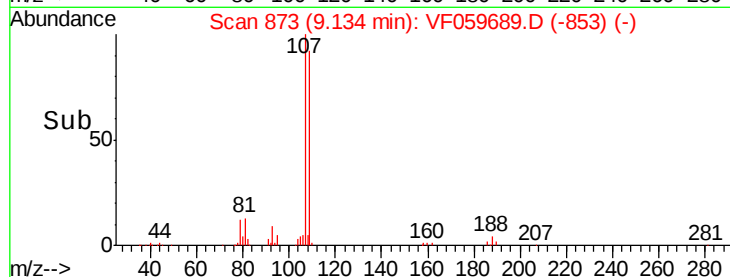
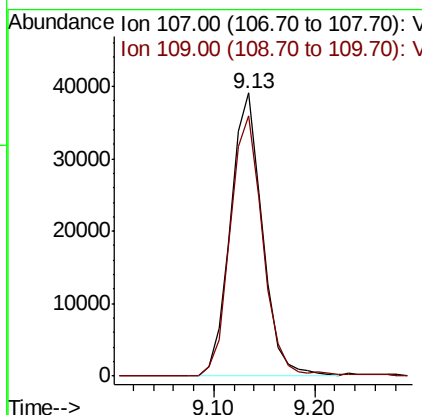
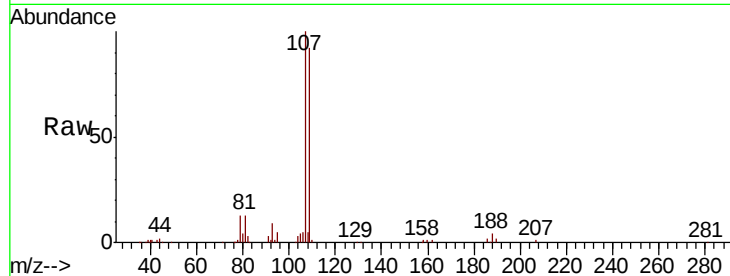
#61
 1,2-Dibromoethane
 Concen: 51.64 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 85673
 Ion Ratio Lower Upper
 107 100
 109 92.0 73.6 110.4

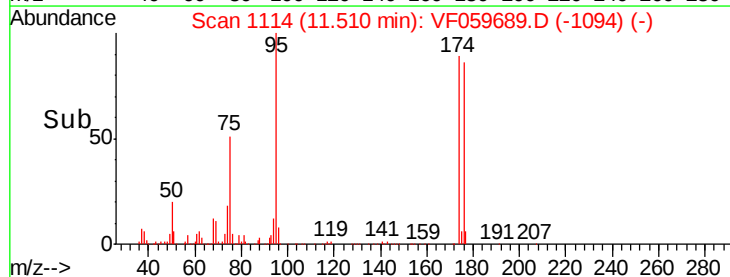
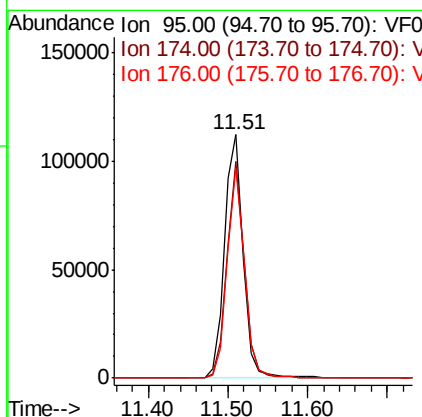
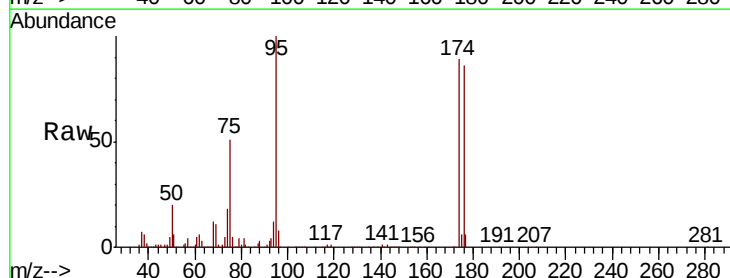
Manual Integrations
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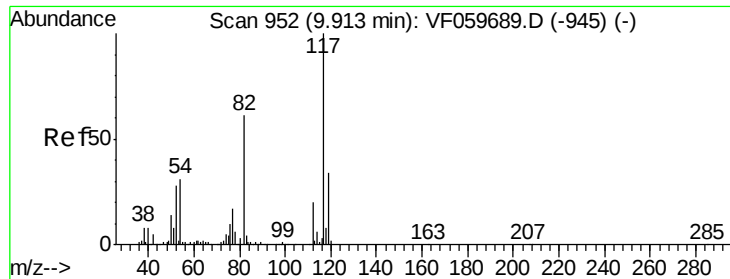
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.43 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion: 95 Resp: 185870
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.4
 176 86.5 0.0 173.0





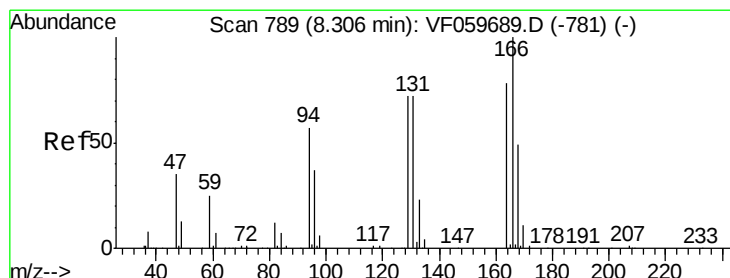
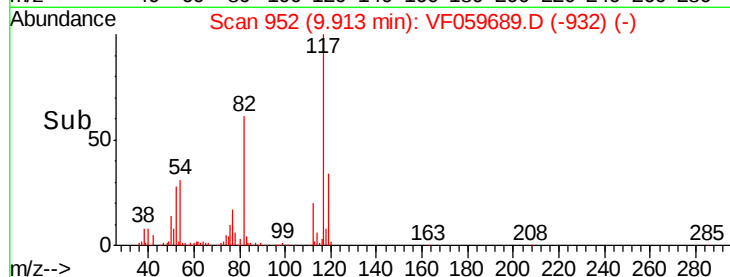
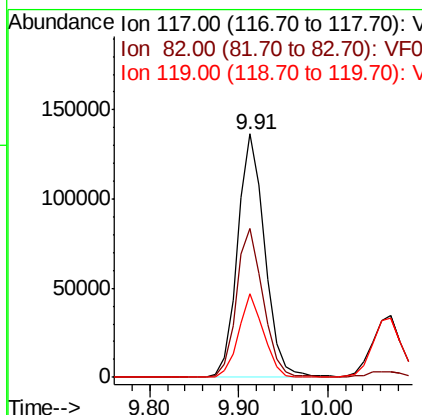
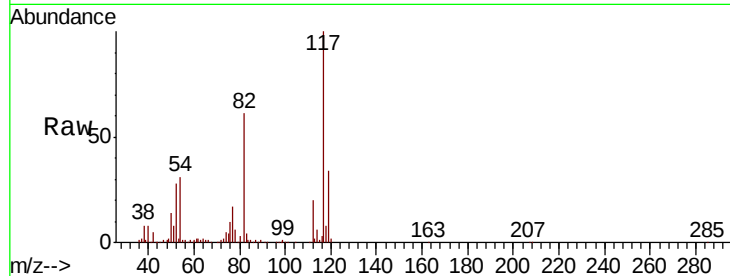
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.0	73.4
119	34.1	27.3	40.9

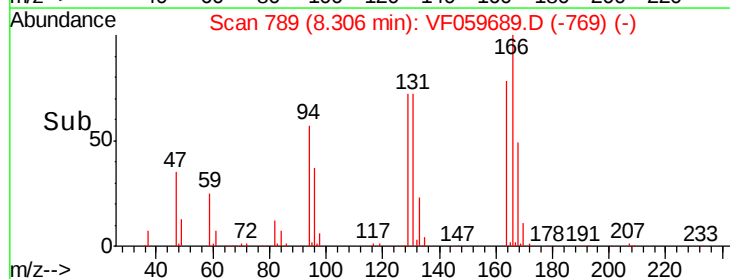
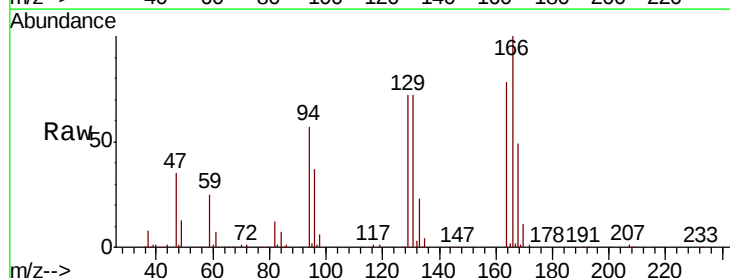
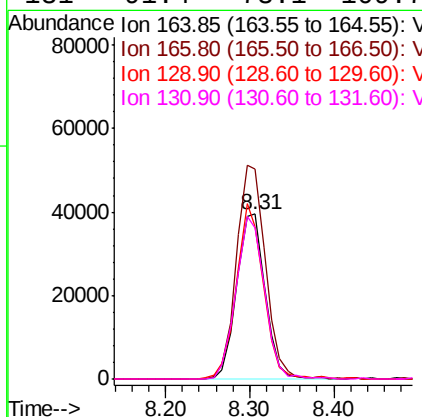
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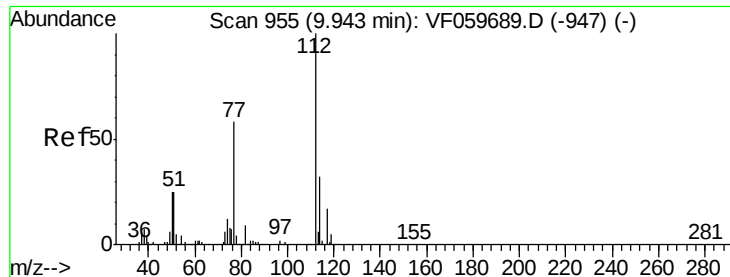
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#64
Tetrachloroethene
Concen: 40.55 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	92.2	73.8	110.6
131	91.4	73.1	109.7





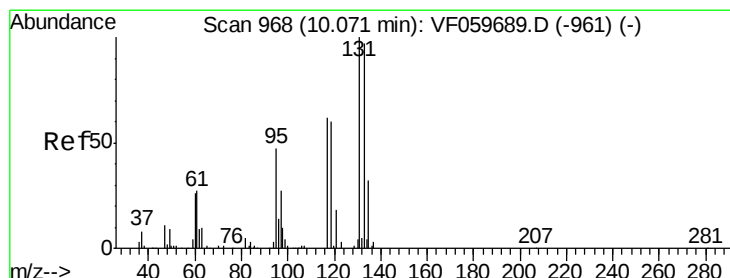
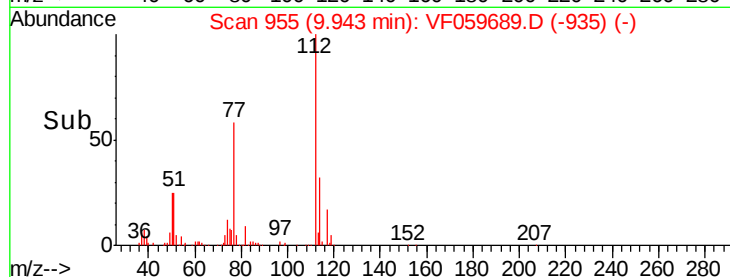
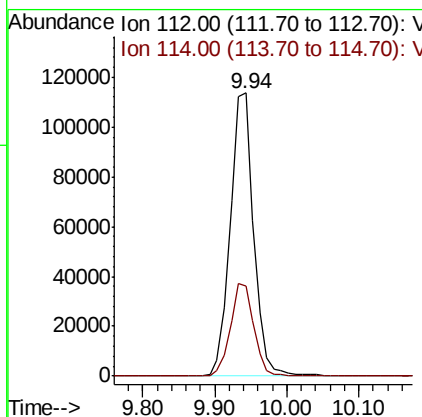
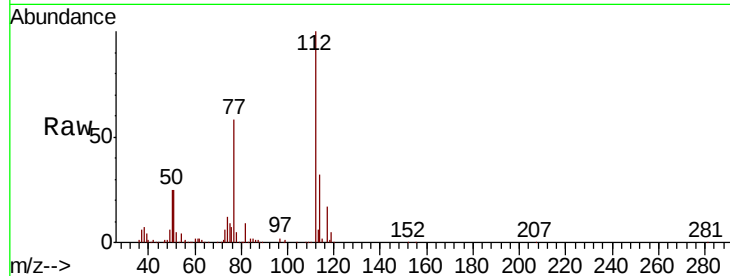
#65
Chlorobenzene
Concen: 45.87 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 257475
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

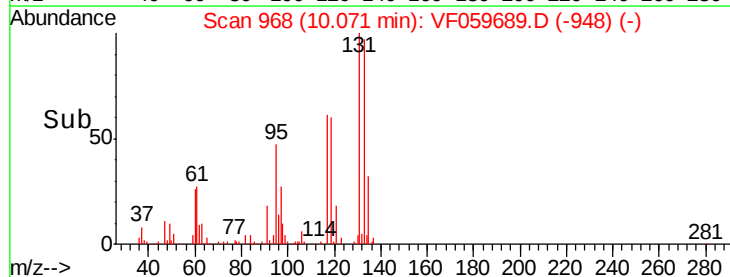
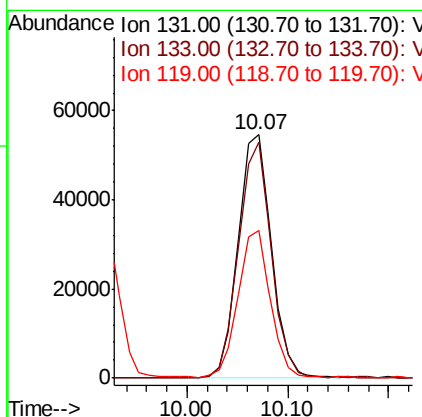
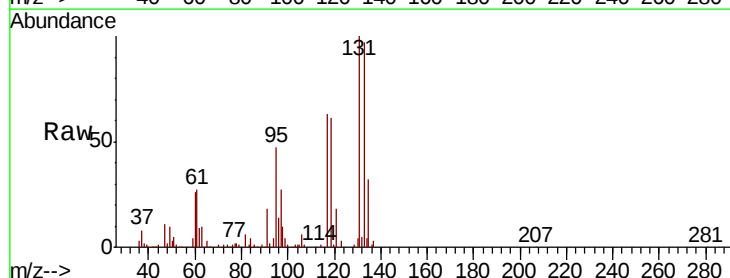
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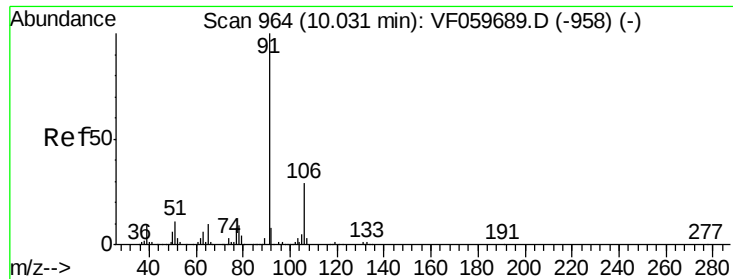
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.67 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:131 Resp: 125736
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.5
119 60.5 30.3 90.8





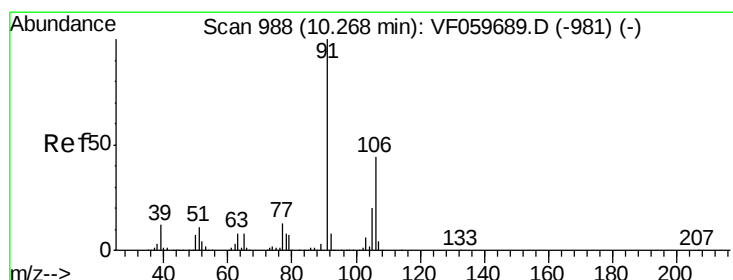
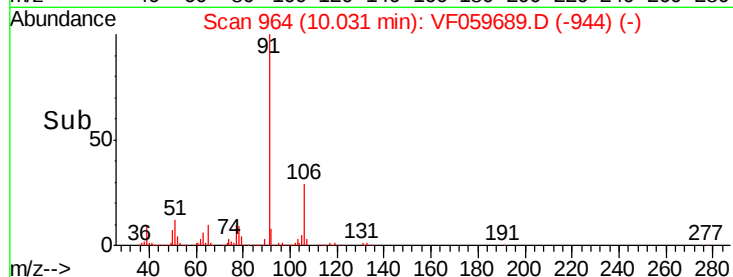
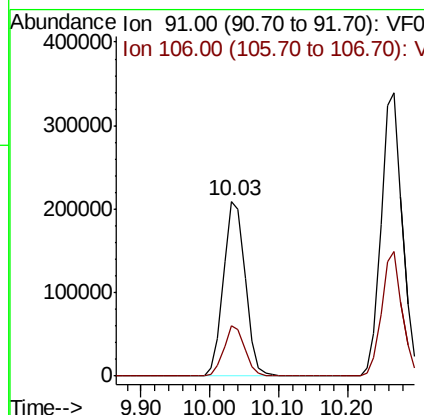
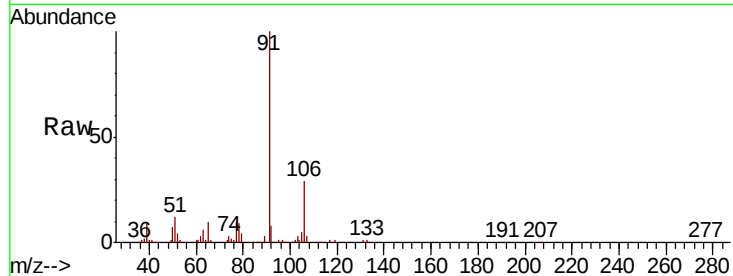
#67
Ethyl Benzene
Concen: 45.56 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 463667
Ion Ratio Lower Upper
91 100
106 28.6 22.9 34.3

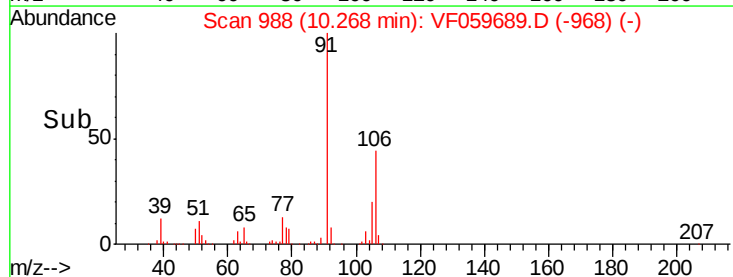
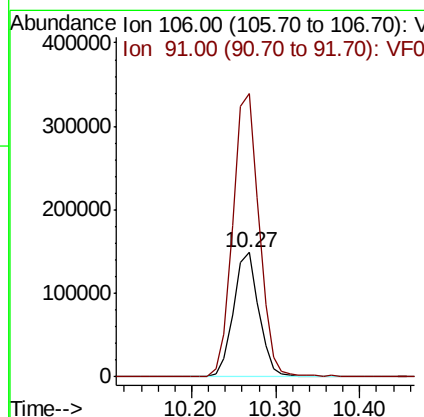
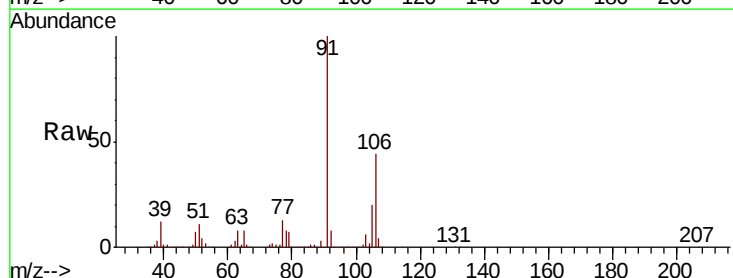
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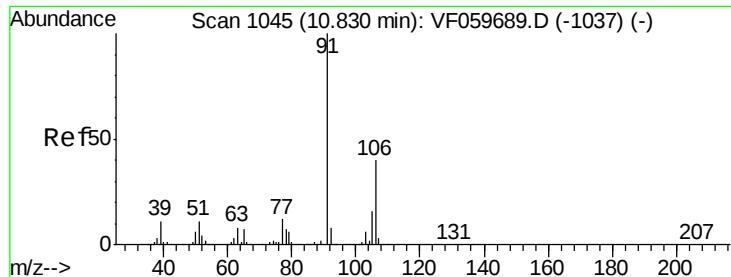
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#68
m/p-Xylenes
Concen: 89.24 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion: 106 Resp: 314317
Ion Ratio Lower Upper
106 100
91 227.1 181.7 272.5





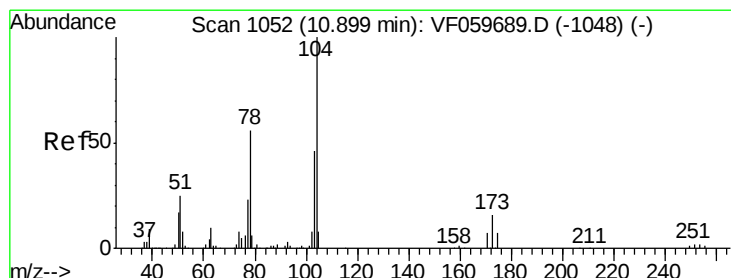
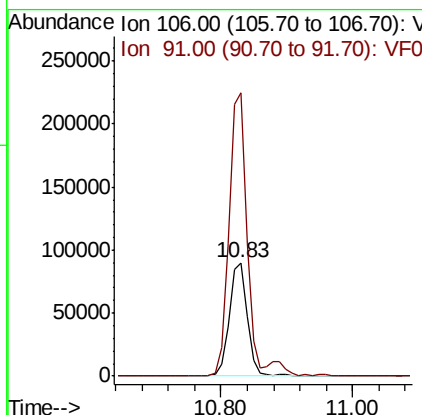
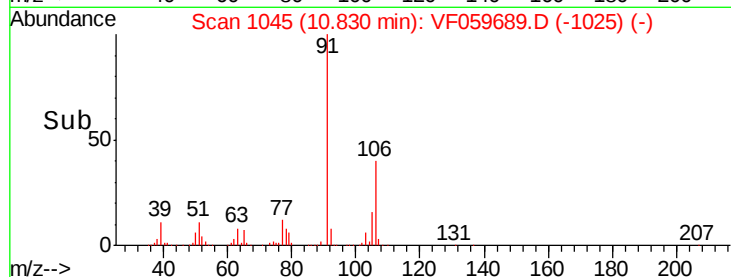
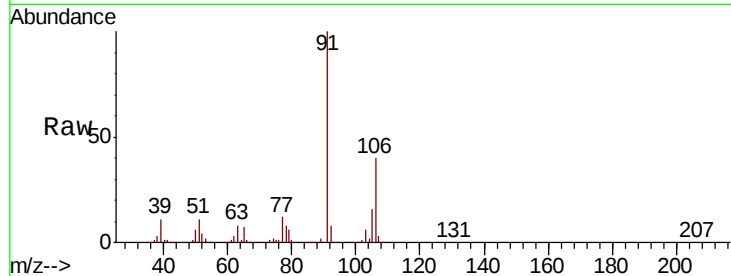
#69
o-Xylene
Concen: 45.70 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 173822
Ion Ratio Lower Upper
106 100
91 249.1 124.6 373.7

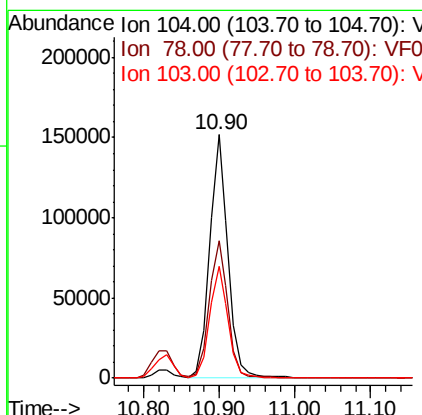
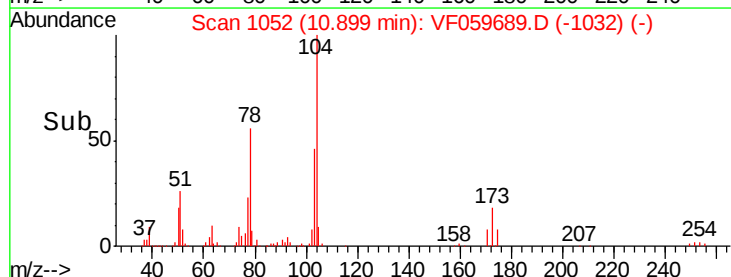
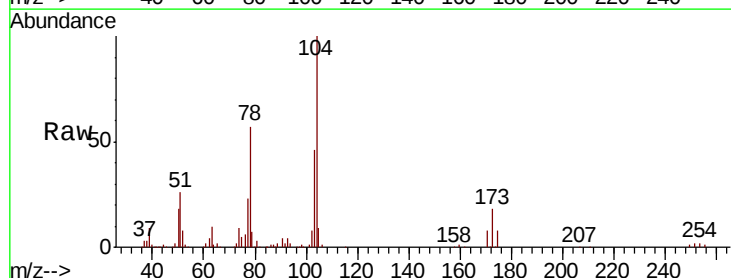
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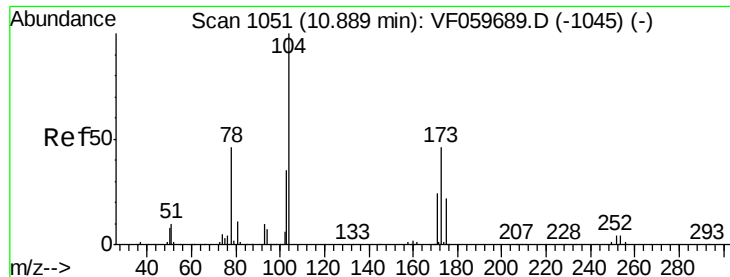
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#70
Styrene
Concen: 46.71 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion:104 Resp: 258371
Ion Ratio Lower Upper
104 100
78 56.6 45.3 67.9
103 45.7 36.6 54.8





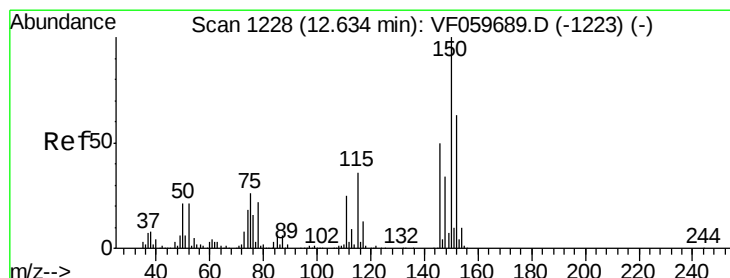
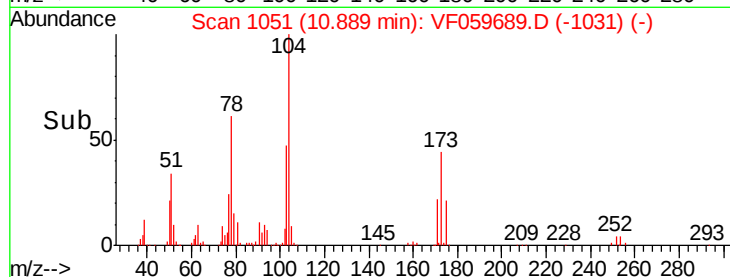
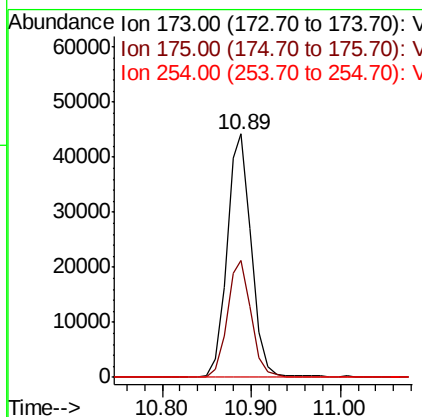
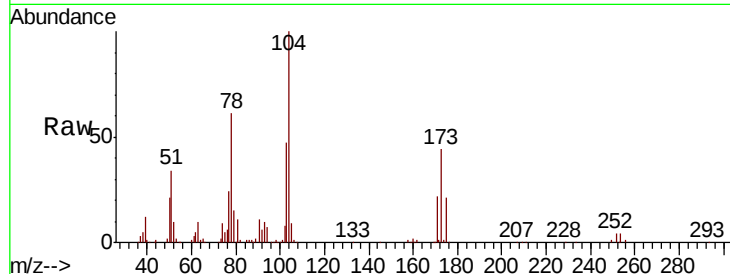
#71
Bromoform
Concen: 53.20 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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

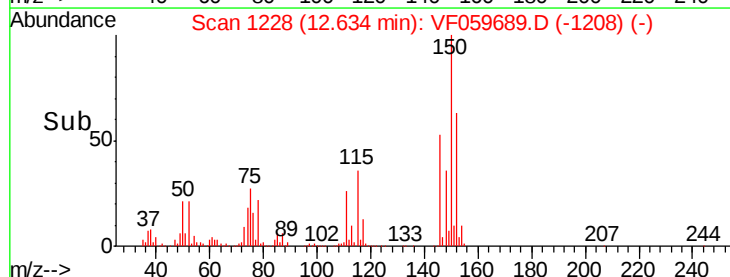
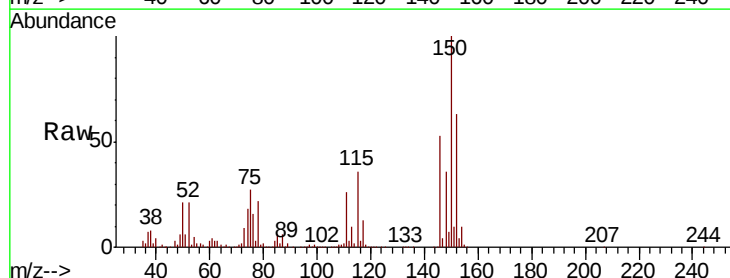
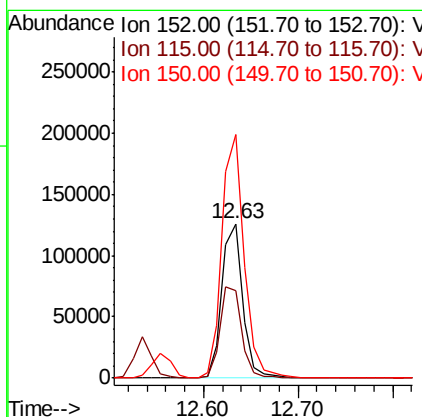
Manual Integrations
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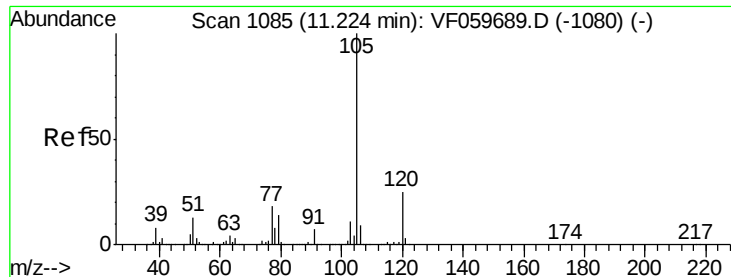
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	158.1	0.0	316.2





#73

Isopropylbenzene

Concen: 43.83 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 578431

Ion Ratio Lower Upper

105 100

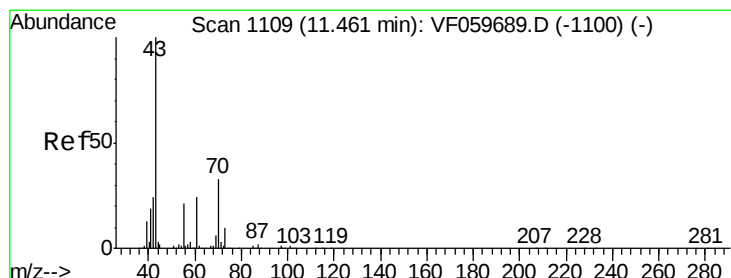
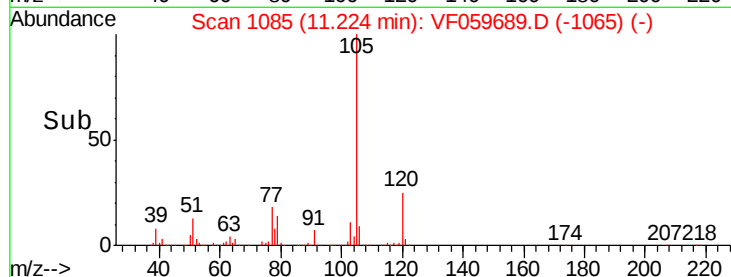
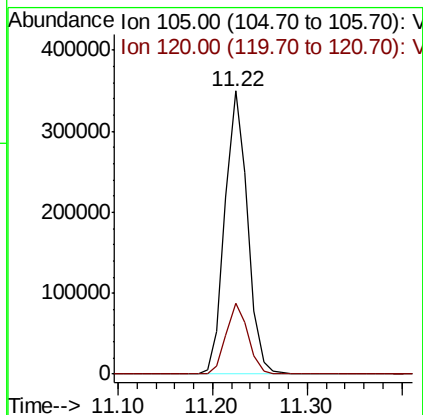
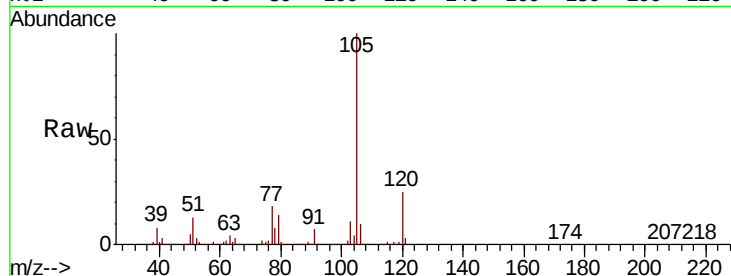
120 24.9 12.4 37.4

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#74

N-ethyl acetate

Concen: 52.52 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion: 43 Resp: 142049

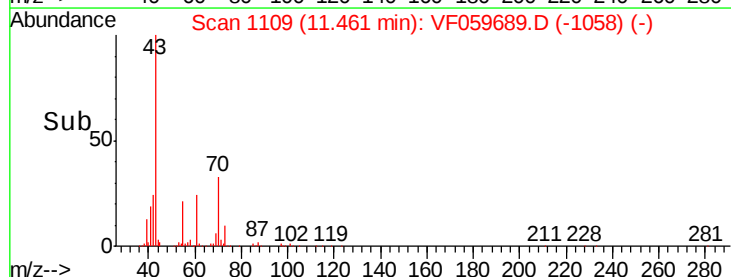
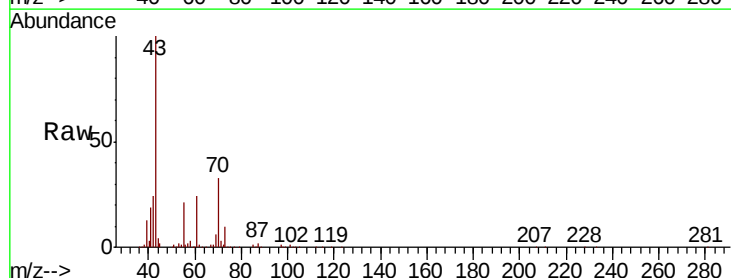
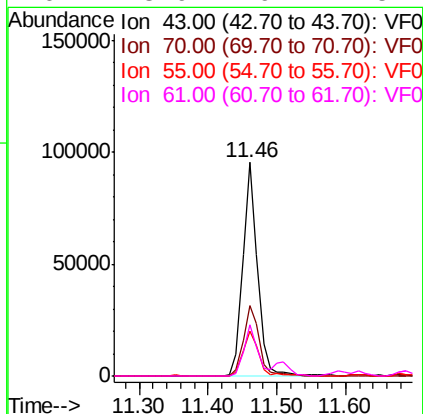
Ion Ratio Lower Upper

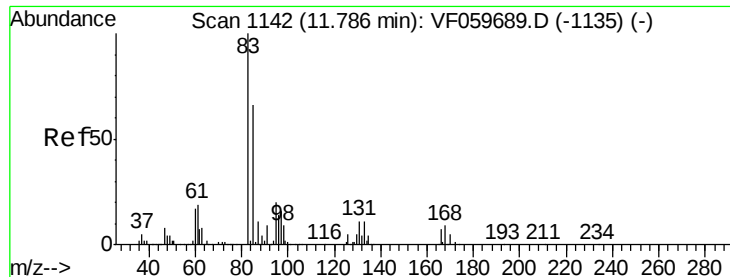
43 100

70 32.9 26.3 39.5

55 20.8 16.6 25.0

61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.17 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

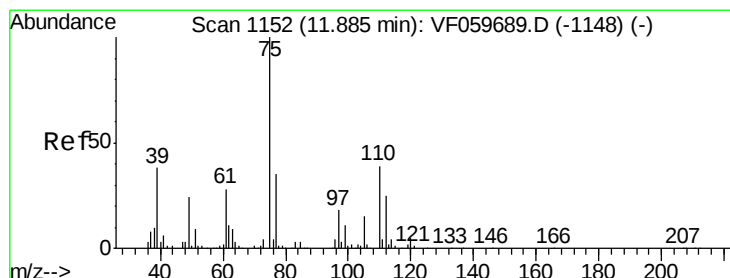
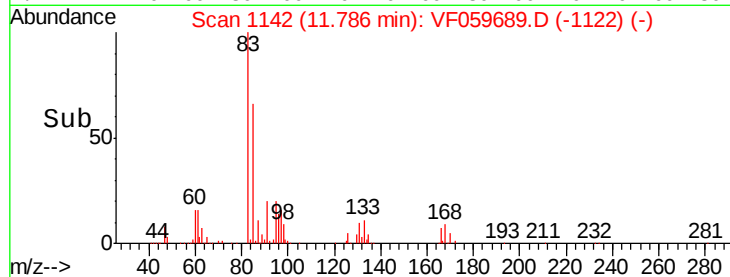
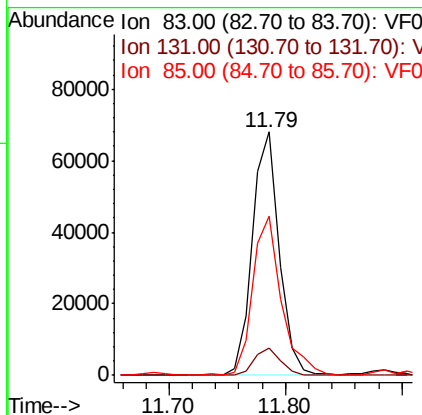
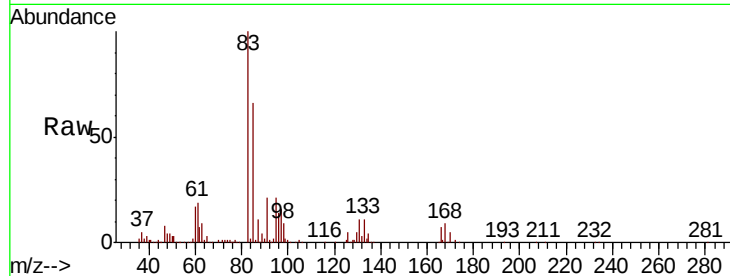
VSTDICCC050

Tot Ion:	83	Resp:	108714
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.3
85	65.5	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 49.71 ug/l

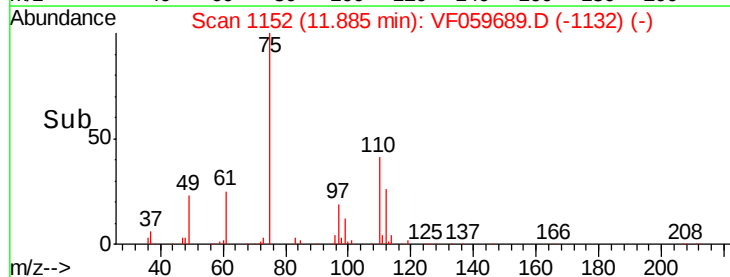
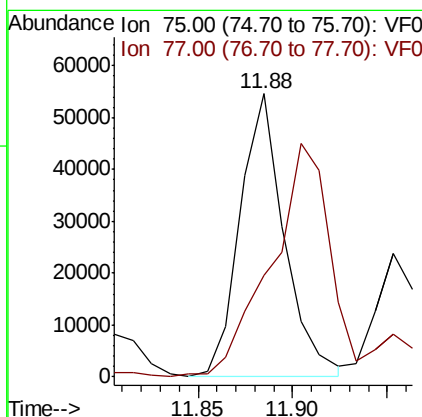
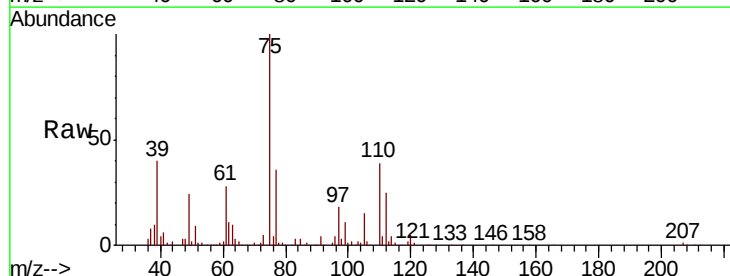
RT: 11.88 min Scan# 1152

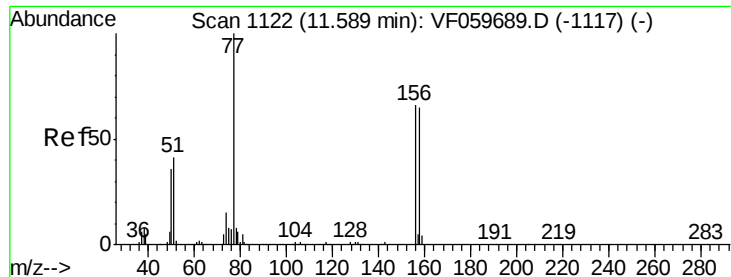
Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	75	Resp:	88474
Ion Ratio	Lower	Upper	
75	100		
77	36.0	18.0	54.0





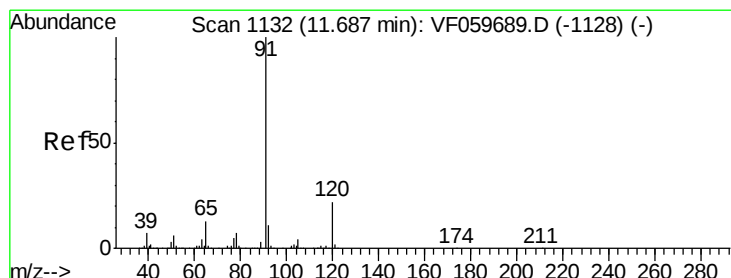
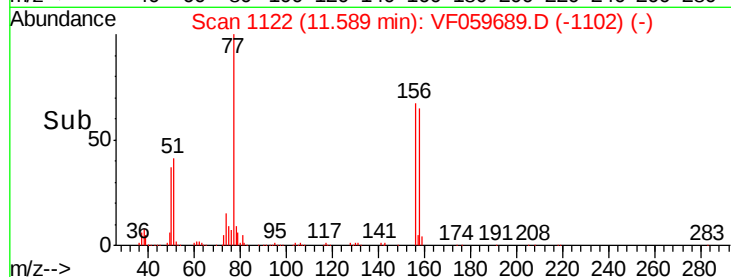
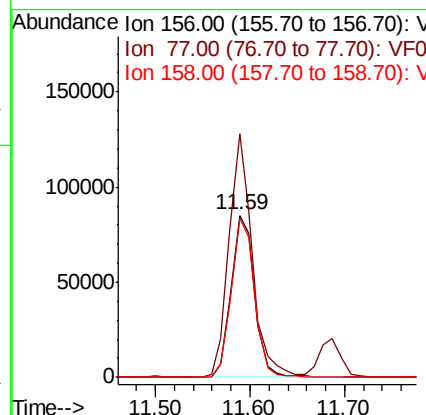
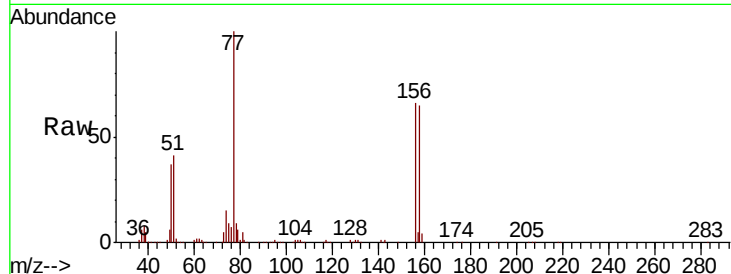
#77
Bromobenzene
Concen: 45.52 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.4	75.2	225.6
158	98.2	49.1	147.3

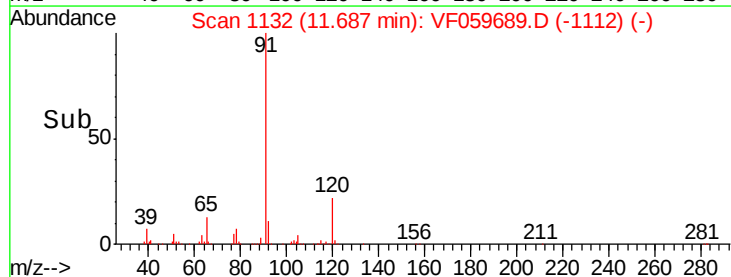
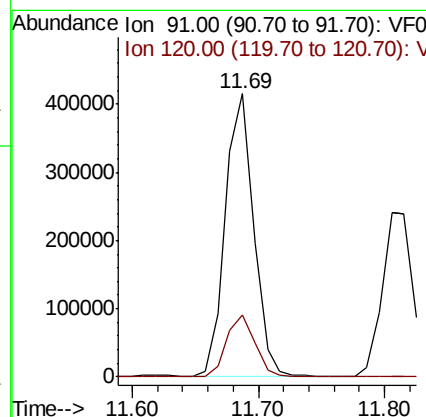
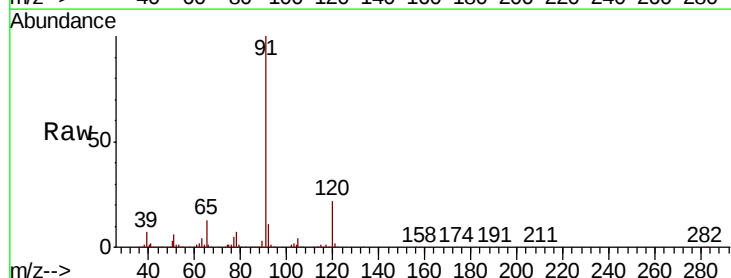
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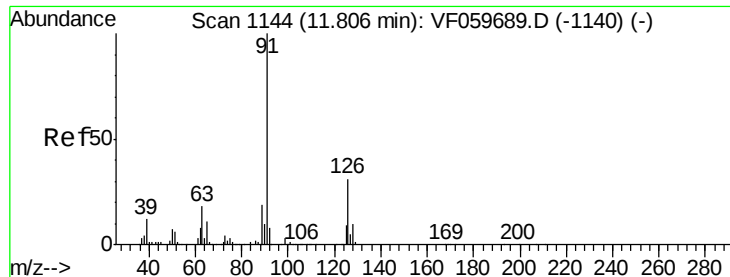
apatel
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#78
n-propylbenzene
Concen: 42.47 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 43.83 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 405547

Ion Ratio Lower Upper

91 100

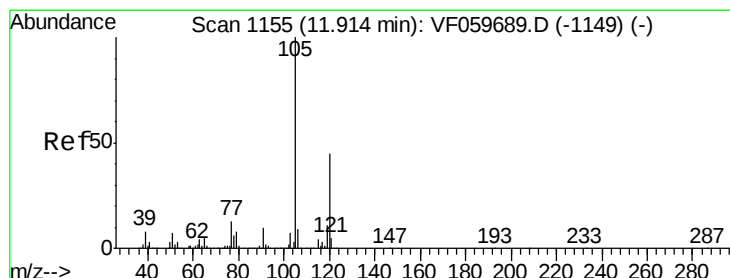
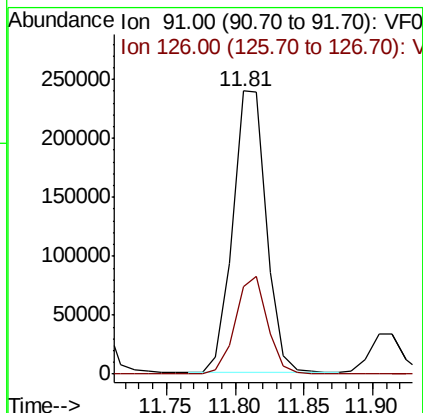
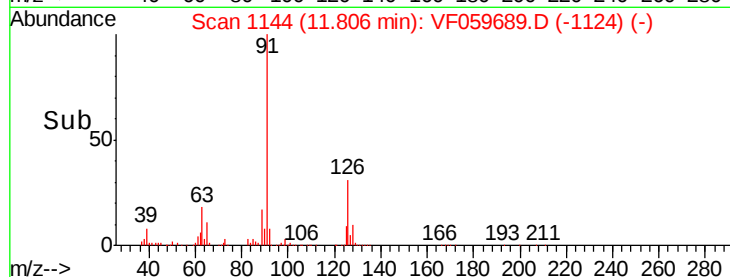
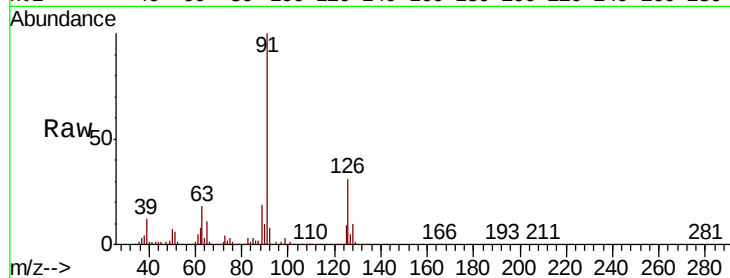
126 30.8 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 43.01 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059689.D

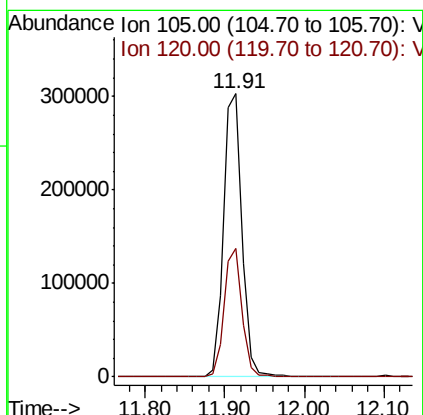
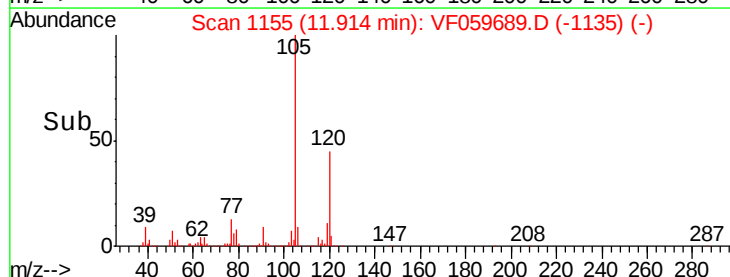
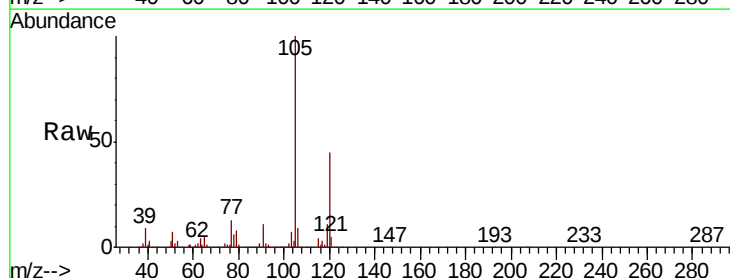
Acq: 30 Jul 2018 15:30

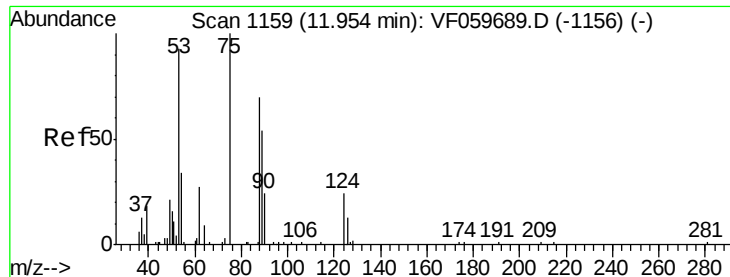
Tgt Ion: 105 Resp: 498182

Ion Ratio Lower Upper

105 100

120 45.3 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.11 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 37990

Ion Ratio Lower Upper

75 100

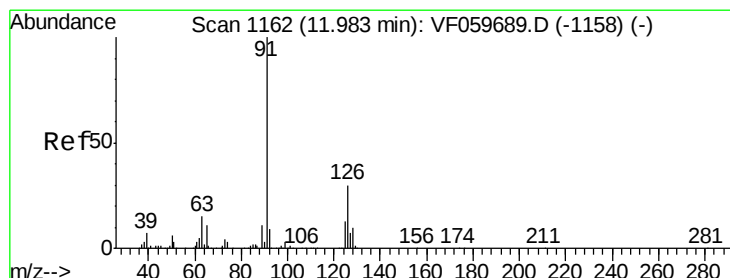
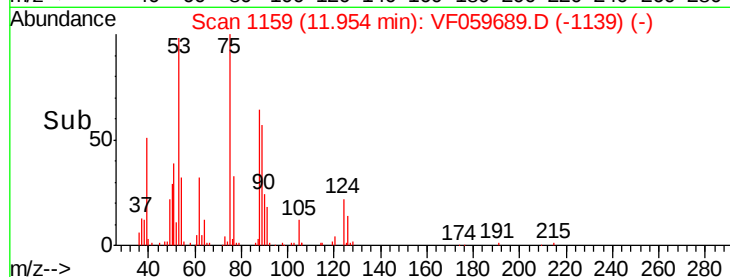
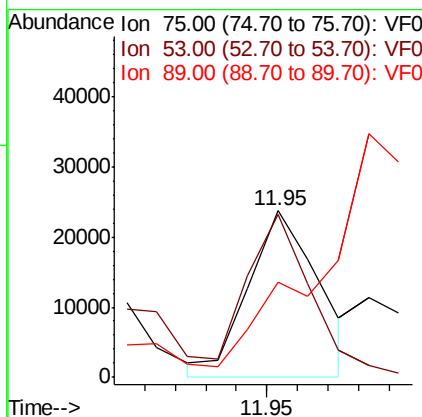
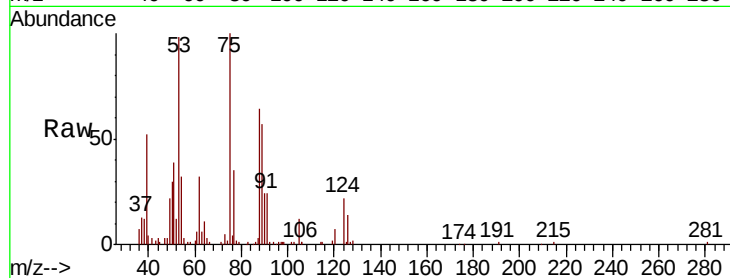
53 97.9 78.3 117.5

89 56.8 45.4 68.2

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#82

4-Chlorotoluene

Concen: 43.70 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059689.D

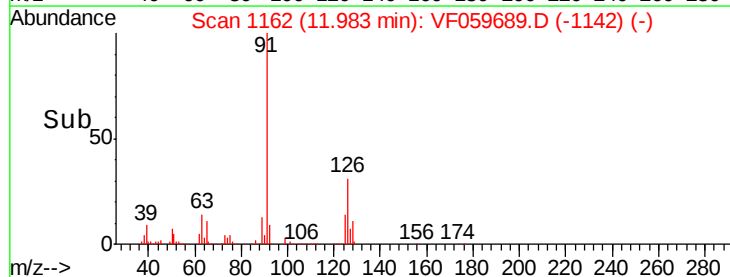
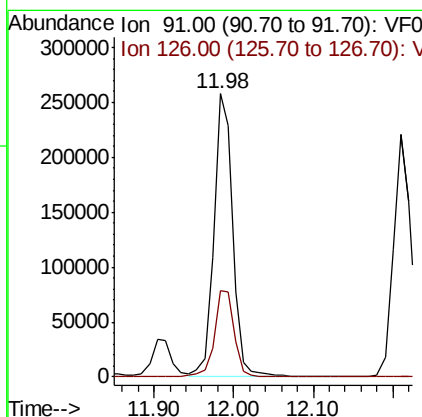
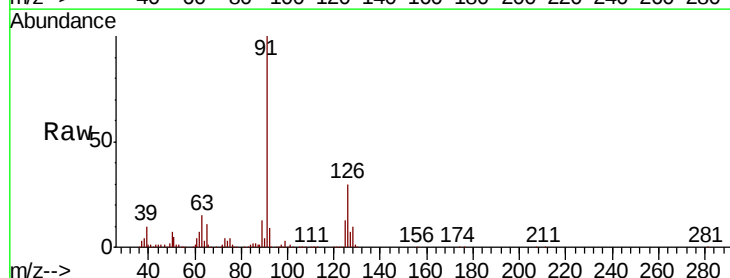
Acq: 30 Jul 2018 15:30

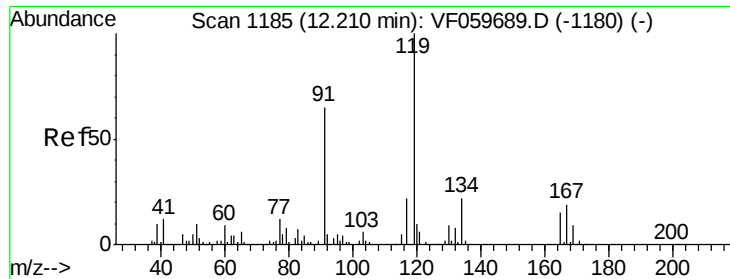
Tgt Ion: 91 Resp: 426024

Ion Ratio Lower Upper

91 100

126 30.4 15.2 45.6





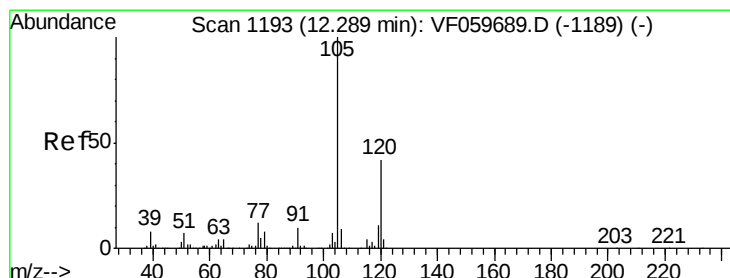
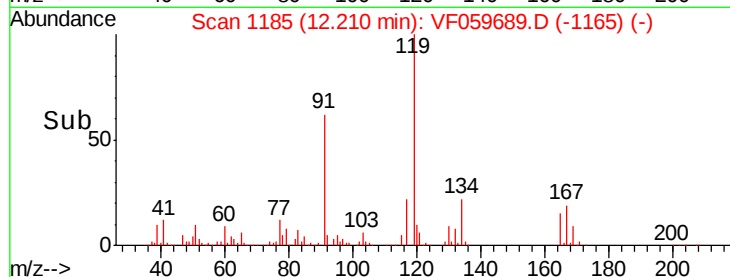
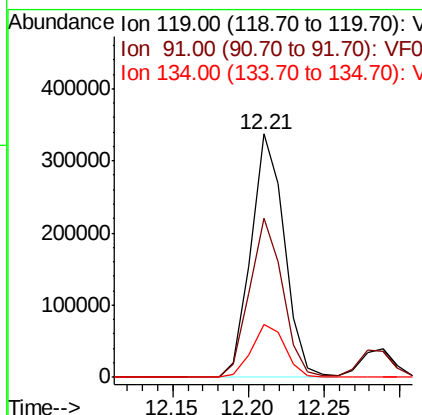
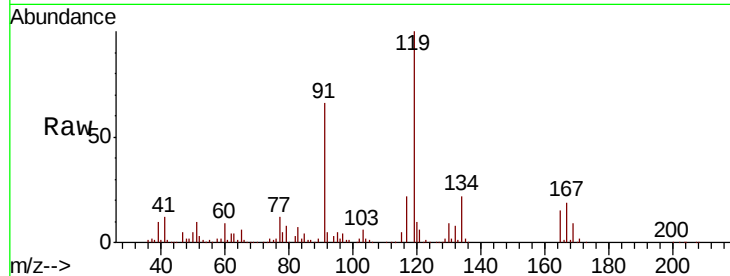
#83
 tert-Butylbenzene
 Concen: 44.66 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.8	98.4
134	21.8	10.9	32.7

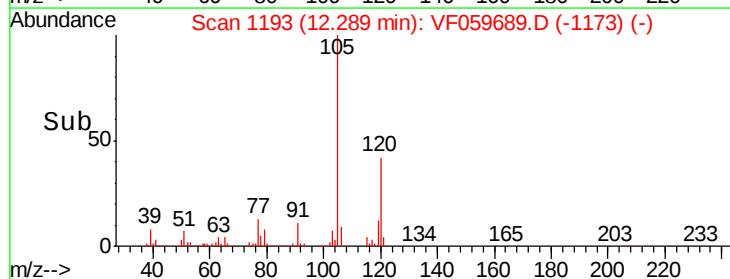
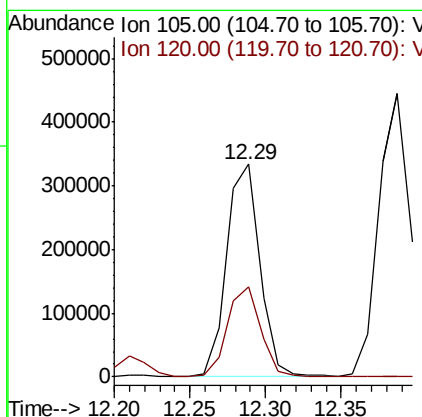
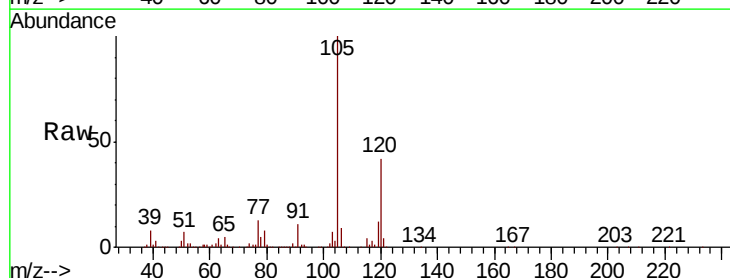
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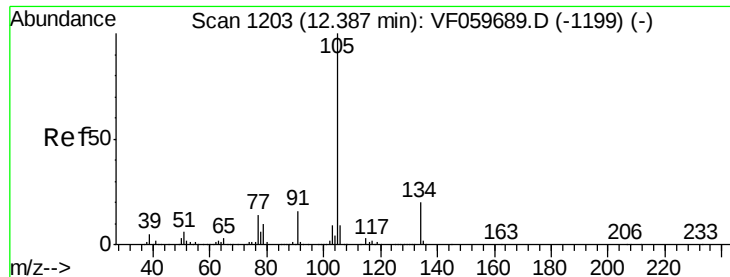
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.07 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.1	63.3





#85

sec-Butylbenzene

Concen: 43.15 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 664544

Ion Ratio Lower Upper

105 100

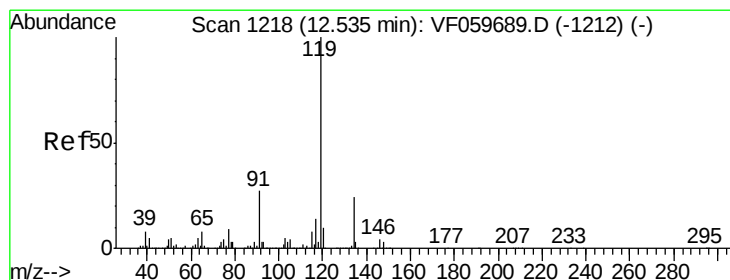
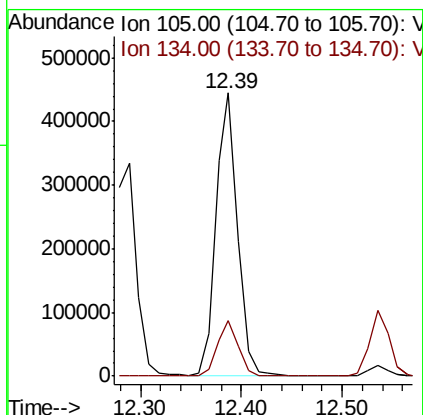
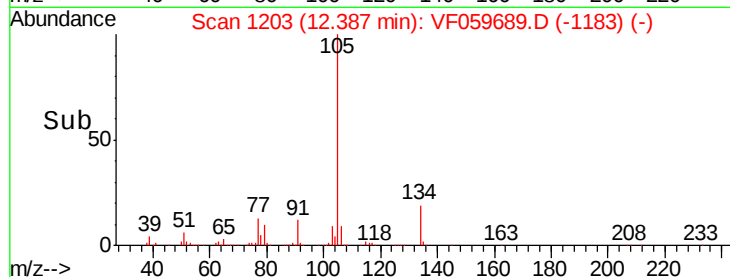
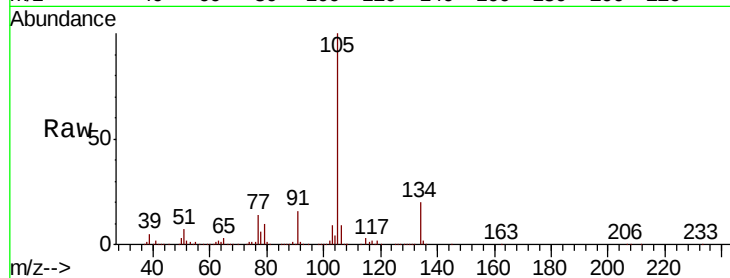
134 19.5 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 43.41 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

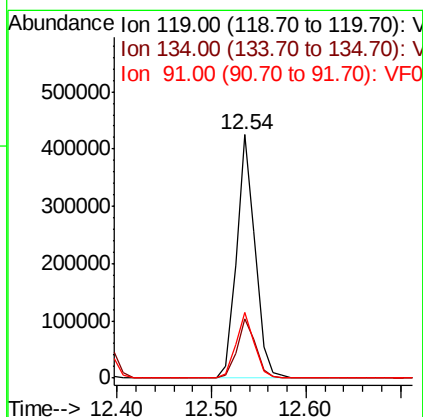
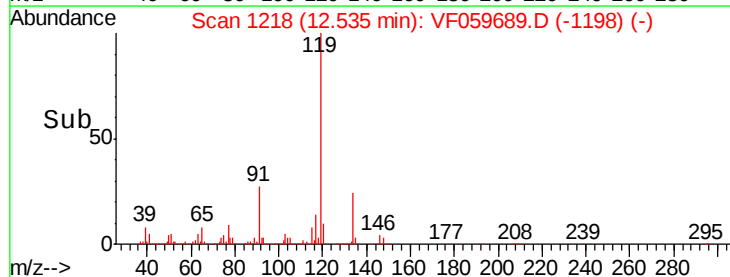
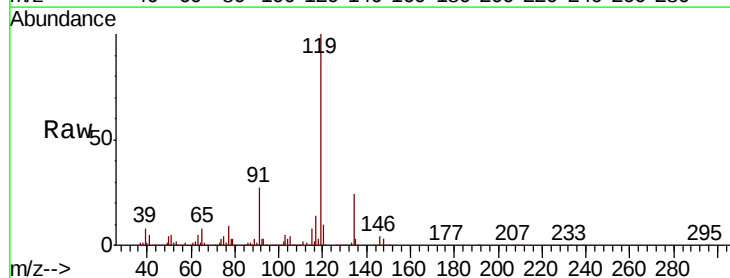
Tgt Ion:119 Resp: 574892

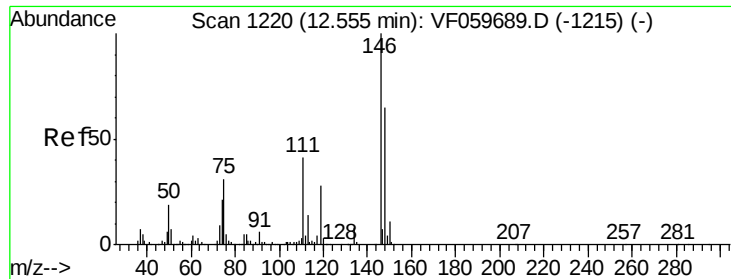
Ion Ratio Lower Upper

119 100

134 24.4 12.2 36.6

91 26.8 13.4 40.2





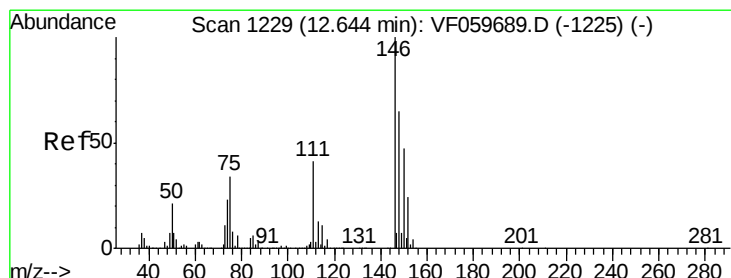
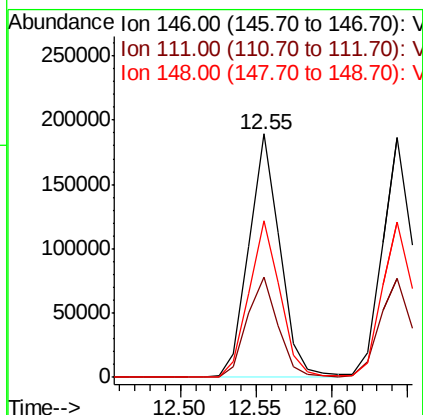
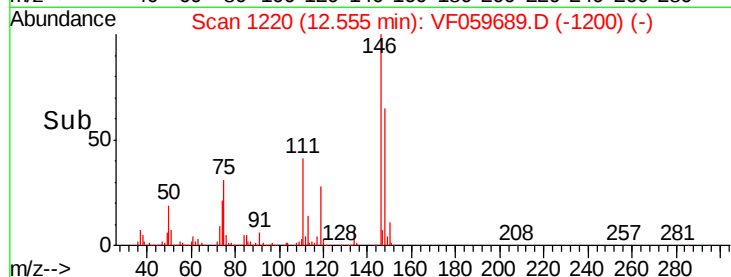
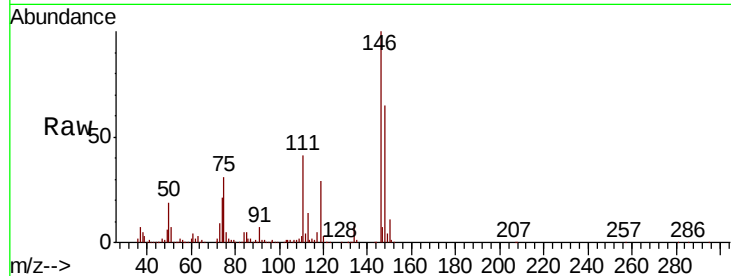
#87
 1,3-Dichlorobenzene
 Concen: 43.67 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.5	32.3	96.8

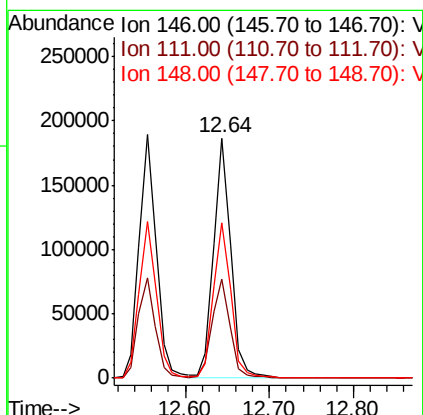
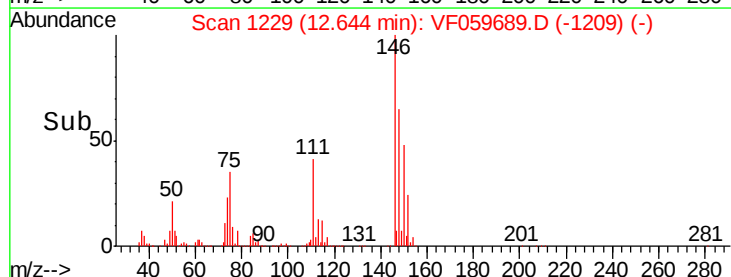
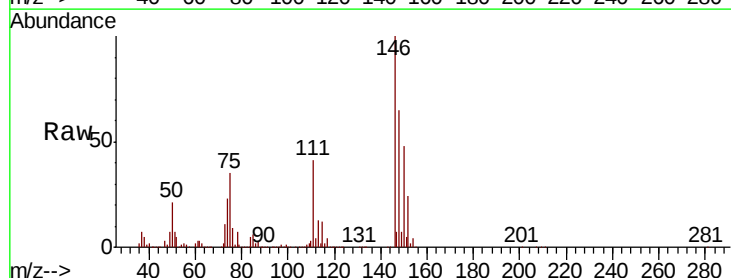
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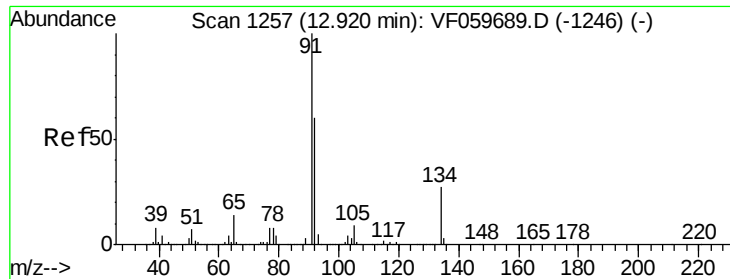
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#88
 1,4-Dichlorobenzene
 Concen: 45.03 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.6	32.3	96.9





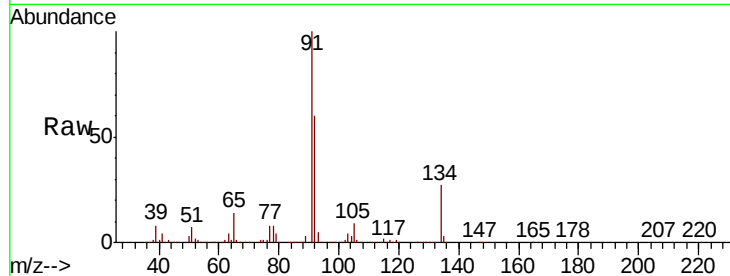
#89
n-Butylbenzene
Concen: 42.63 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	30.1	90.3
134	27.3	13.7	41.0

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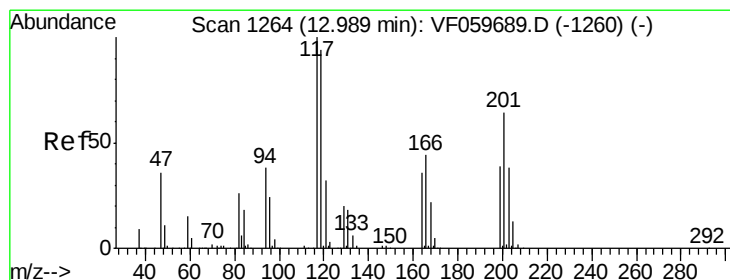
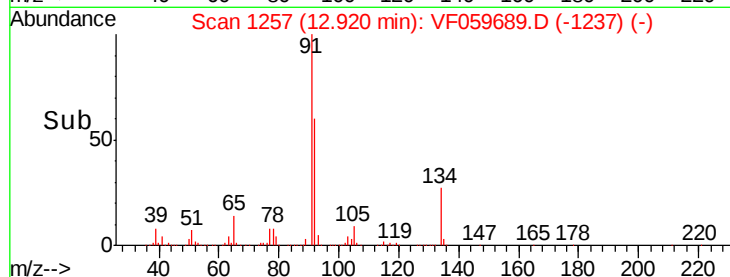
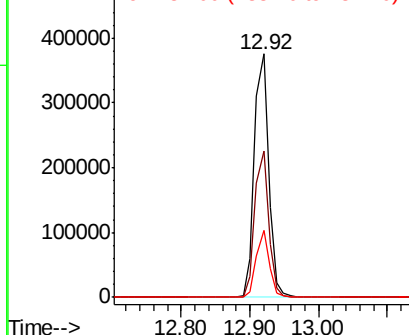


Abundance

Ion 91.00 (90.70 to 91.70): VF0

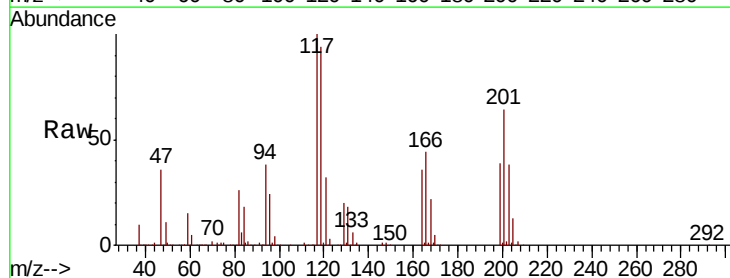
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 42.98 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059689.D
Acq: 30 Jul 2018 15:30

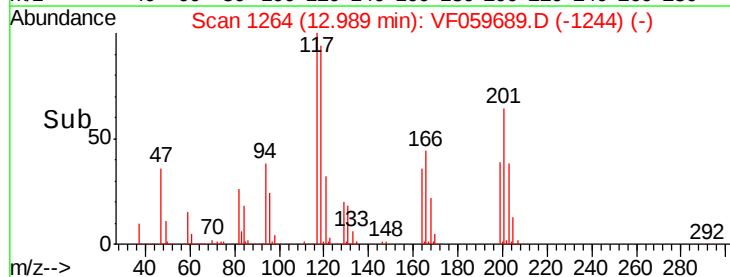
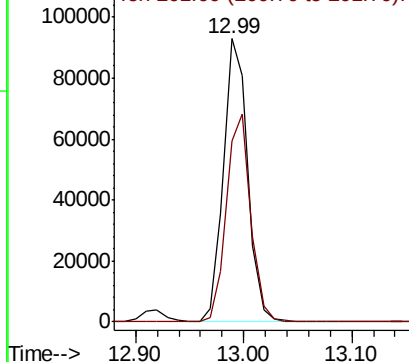
Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.9	95.5

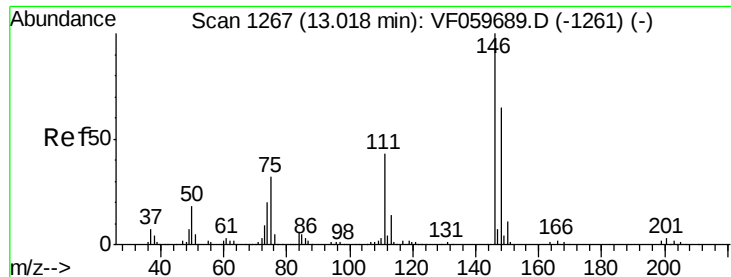


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





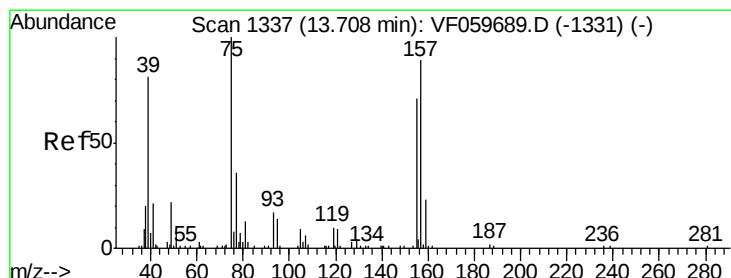
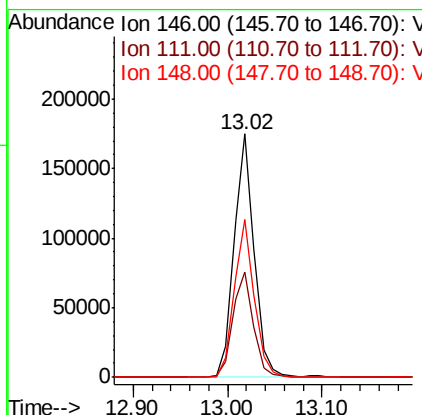
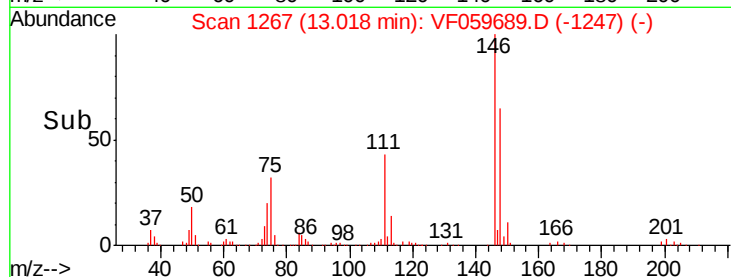
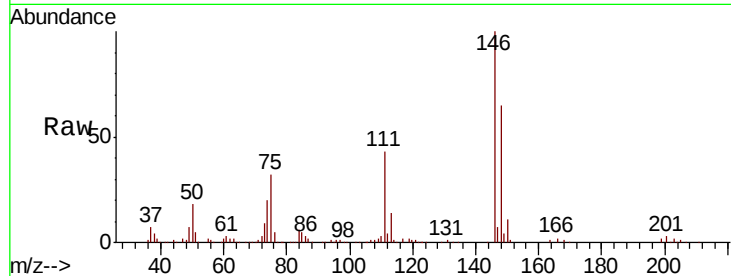
#91
 1,2-Dichlorobenzene
 Concen: 44.37 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.6	32.3	96.9

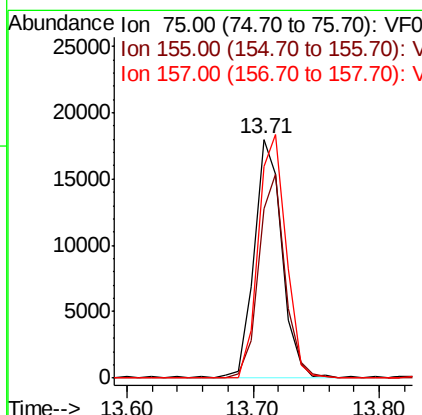
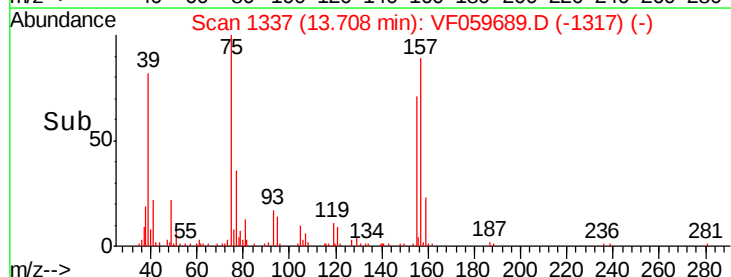
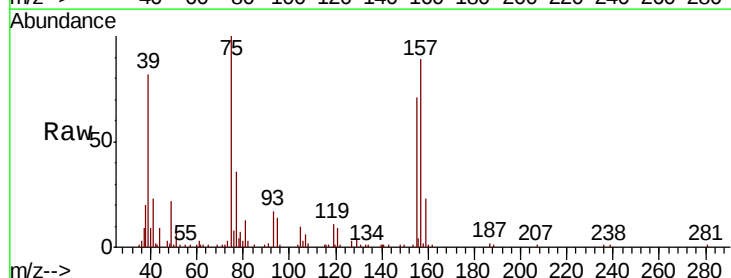
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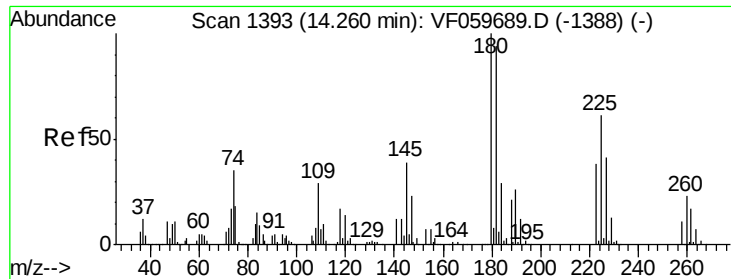
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.59 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	35.4	106.2
157	88.8	44.4	133.2





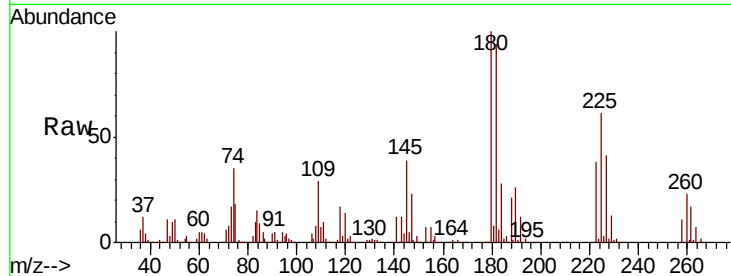
#93
 1,2,4-Trichlorobenzene
 Concen: 46.17 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.2	141.6	
145	38.6	19.3	57.9	

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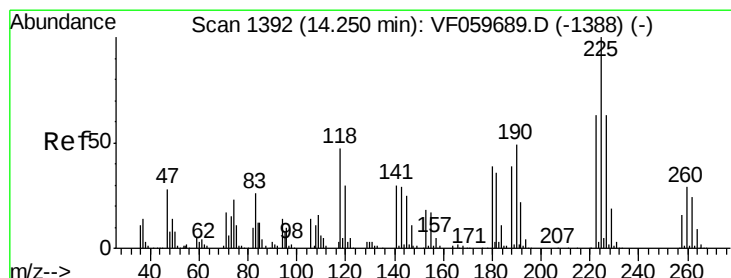
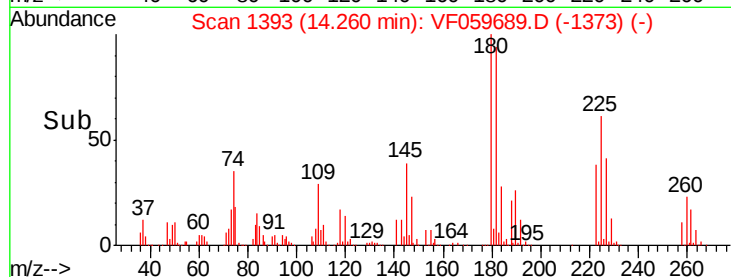
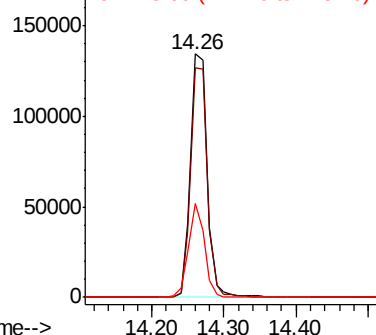


Abundance

Ion 180.00 (179.70 to 180.70): V

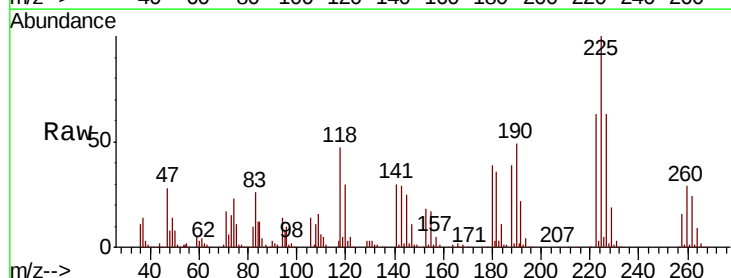
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 42.79 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059689.D
 Acq: 30 Jul 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.2	
227	63.0	31.5	94.5	

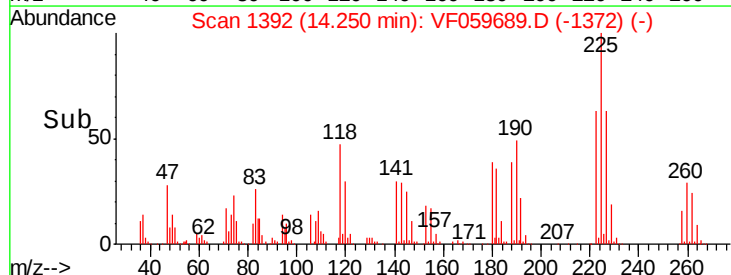
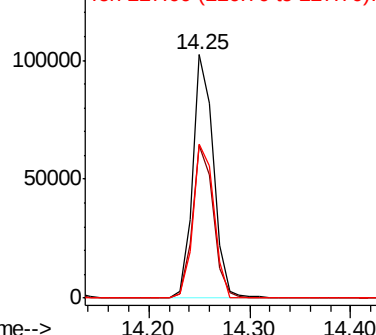


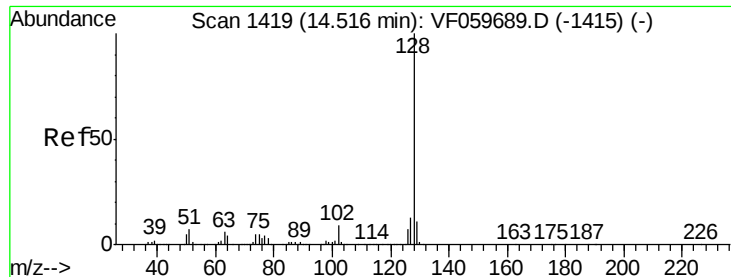
Abundance

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: 52.57 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Instrument :

MSVOA_F

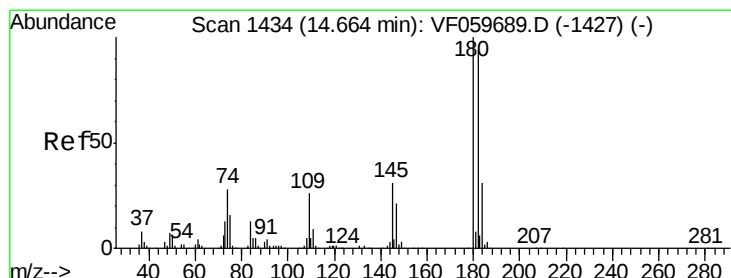
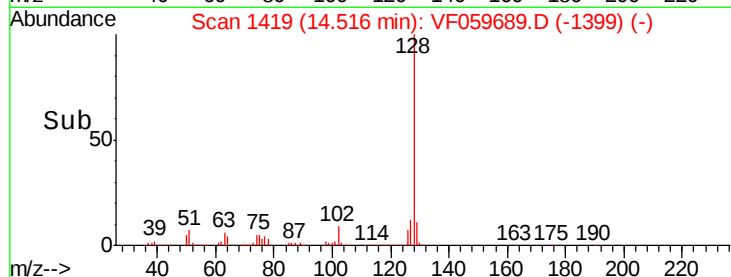
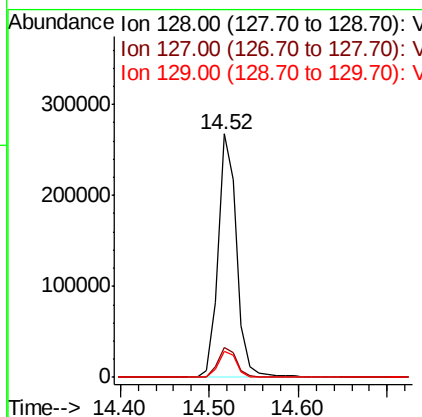
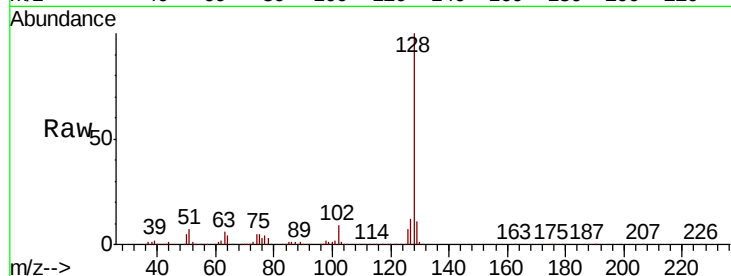
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	389849
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
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#96

1,2,3-Trichlorobenzene

Concen: 51.09 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059689.D

Acq: 30 Jul 2018 15:30

Tgt Ion:	180	Resp:	216119
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.2	141.6
145	31.1	15.6	46.7

