

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059694.D
 Acq On : 30 Jul 2018 18:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:04 PM

Quant Time: Jul 31 04:24:55 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	5.04	168	208284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	291390	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	281614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	189056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	18992	5.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.62%	
35) Dibromofluoromethane	4.28	113	16041	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	7.70	98	37088	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
62) 4-Bromofluorobenzene	11.50	95	22654	6.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	17393	8.09	ug/l	94
3) Chloromethane	1.08	50	9348	7.69	ug/l #	81
4) Vinyl Chloride	1.15	62	8472	6.58	ug/l	98
5) Bromomethane	1.33	94	6779	6.05	ug/l	90
6) Chloroethane	1.42	64	5514	6.87	ug/l #	76
7) Trichlorofluoromethane	1.53	101	22602m	5.84	ug/l	
8) Diethyl Ether	1.69	74	4006	7.31	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	10700	5.20	ug/l	90
10) Methyl Iodide	1.96	142	18597	6.17	ug/l #	78
11) Tert butyl alcohol	2.69	59	5639	40.15	ug/l #	65
12) 1,1-Dichloroethene	1.85	96	9624	6.32	ug/l	85
13) Acrolein	2.09	56	2088	33.59	ug/l	89
14) Allyl chloride	2.19	41	13137	5.28	ug/l	91
15) Acrylonitrile	3.07	53	8605	40.20	ug/l #	62
16) Acetone	2.33	43	20359	34.16	ug/l #	91
17) Carbon Disulfide	1.88	76	23802	6.43	ug/l	99
18) Methyl Acetate	2.44	43	8238	8.26	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	29376	6.90	ug/l	98
20) Methylene Chloride	2.28	84	15442m	7.03	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	10328	6.61	ug/l	89
22) Diisopropyl ether	2.92	45	29057	5.84	ug/l	90
23) Vinyl Acetate	3.33	43	72102	29.22	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	20736	5.85	ug/l	96
25) 2-Butanone	4.51	43	20378	31.03	ug/l #	94
26) 2,2-Dichloropropane	3.75	77	15150	5.26	ug/l #	77
27) cis-1,2-Dichloroethene	3.62	96	9869	5.39	ug/l	93
28) Bromochloromethane	3.87	49	8863	6.79	ug/l #	81
29) Tetrahydrofuran	4.26	42	8045	30.52	ug/l #	89
30) Chloroform	4.03	83	29847	5.97	ug/l	94
31) Cyclohexane	3.86	56	10289	5.06	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	23178	5.65	ug/l	93
36) 1,1-Dichloropropene	4.44	75	20156	6.38	ug/l	94
37) Ethyl Acetate	4.29	43	9827	7.13	ug/l #	82
38) Carbon Tetrachloride	4.17	117	25778m	5.56	ug/l	

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 ALS Vial : 89 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	14769	5.74	ug/l	97
40) Benzene	4.80	78	32246	5.74	ug/l	96
41) Methacrylonitrile	4.94	41	4554	6.71	ug/l #	67
42) 1,2-Dichloroethane	5.11	62	22092	6.05	ug/l	89
43) Isopropyl Acetate	7.11	43	9362	6.56	ug/l #	98
44) Trichloroethene	5.67	130	13181	6.06	ug/l	75
45) 1,2-Dichloropropane	6.40	63	8244	5.53	ug/l	95
46) Dibromomethane	6.25	93	8295	6.40	ug/l	87
47) Bromodichloromethane	6.54	83	20775	5.47	ug/l	97
48) Methyl methacrylate	6.88	41	6769	6.04	ug/l #	78
49) 1,4-Dioxane	6.86	88	1031	115.31	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	33693	29.33	ug/l	98
52) Toluene	7.78	92	26075	6.25	ug/l	80
53) t-1,3-Dichloropropene	8.43	75	18758	6.18	ug/l #	83
54) cis-1,3-Dichloropropene	7.45	75	17719	5.62	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	8382	6.05	ug/l	87
56) Ethyl methacrylate	8.76	69	7733	5.27	ug/l	95
57) 1,3-Dichloropropane	8.99	76	14306	5.97	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	5216	29.42	ug/l	100
59) 2-Hexanone	9.63	43	32958	38.68	ug/l	89
60) Dibromochloromethane	8.85	129	13979	5.60	ug/l	99
61) 1,2-Dibromoethane	9.13	107	9189	5.49	ug/l #	75
64) Tetrachloroethene	8.29	164	12843	5.72	ug/l	96
65) Chlorobenzene	9.93	112	33744	6.17	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	14607	5.80	ug/l	93
67) Ethyl Benzene	10.03	91	54785	5.52	ug/l	98
68) m/p-Xylenes	10.26	106	40059	11.67	ug/l	99
69) o-Xylene	10.82	106	20890	5.63	ug/l	98
70) Styrene	10.90	104	31030	5.75	ug/l	93
71) Bromoform	10.89	173	9111	5.87	ug/l	89
73) Isopropylbenzene	11.23	105	65222	5.05	ug/l	92
74) N-amyl acetate	11.46	43	19087	7.22	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.78	83	13178	6.22	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	11700	6.72	ug/l	98
77) Bromobenzene	11.59	156	18141	5.79	ug/l	89
78) n-propylbenzene	11.68	91	79258	5.33	ug/l	99
79) 2-Chlorotoluene	11.81	91	50690	5.60	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	60924	5.38	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	3895m	4.31	ug/l	
82) 4-Chlorotoluene	11.98	91	55077	5.78	ug/l	99
83) tert-Butylbenzene	12.21	119	61850	5.40	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	61327	5.27	ug/l	97
85) sec-Butylbenzene	12.38	105	77608	5.15	ug/l	97
86) p-Isopropyltoluene	12.54	119	67406	5.21	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	36318	5.95	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	34530	5.93	ug/l	98
89) n-Butylbenzene	12.91	91	66260	5.29	ug/l	91
90) Hexachloroethane	12.99	117	16785	5.09	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	36005	6.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2651	5.14	ug/l	71

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ALS Vial : 89 Sample Multiplier: 1

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MSVOA_F
ClientSampleId :
VSTDICC005

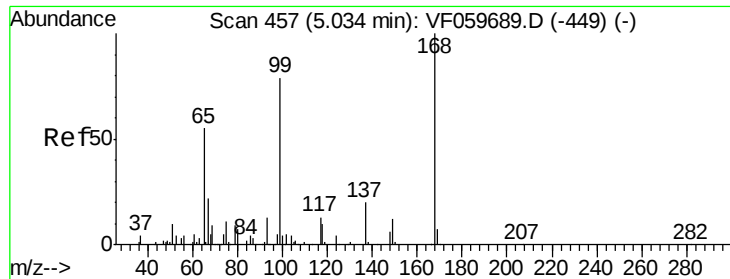
Manual Integrations
APPROVED

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7/31/2018 12:13:04 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	26588	5.84	ug/l	93
94) Hexachlorobutadiene	14.25	225	16970	5.07	ug/l	93
95) Naphthalene	14.52	128	41664	5.75	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	25383	6.14	ug/l	98

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



#1

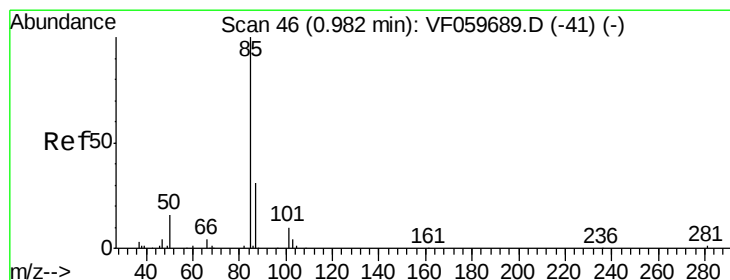
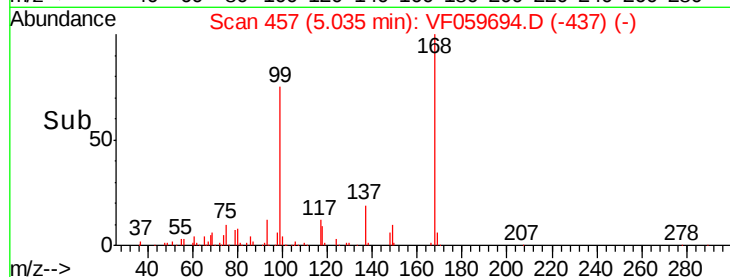
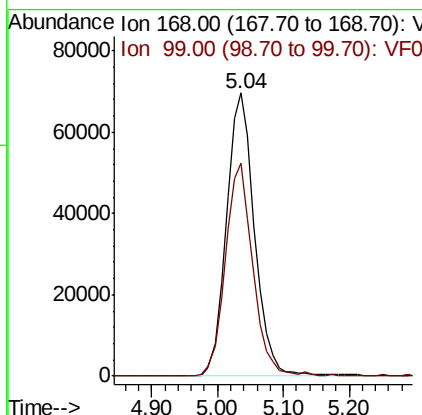
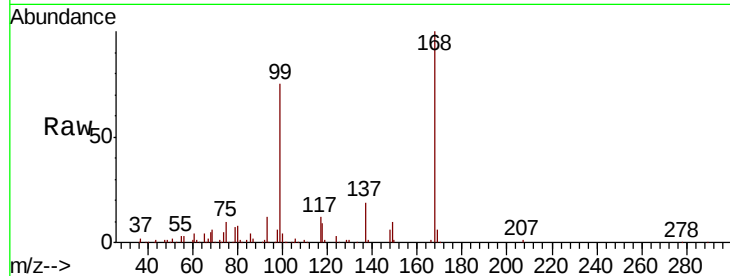
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	75.2	63.3	94.9

Manual Integrations
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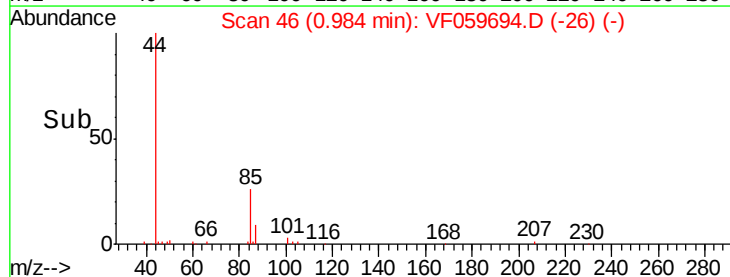
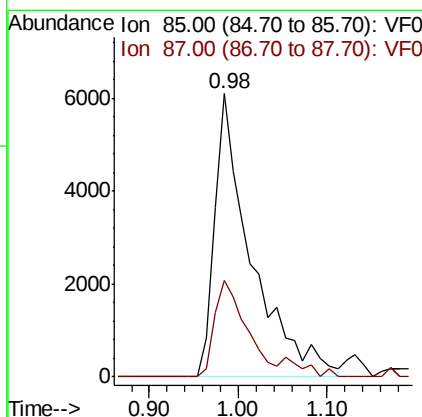
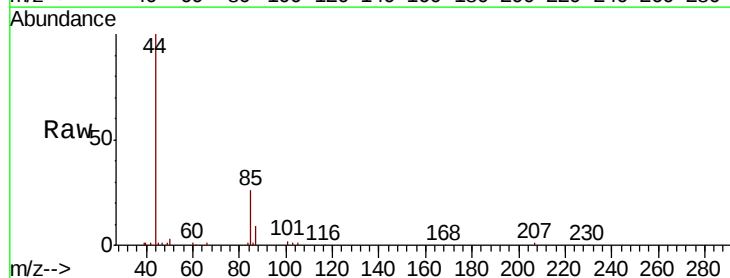
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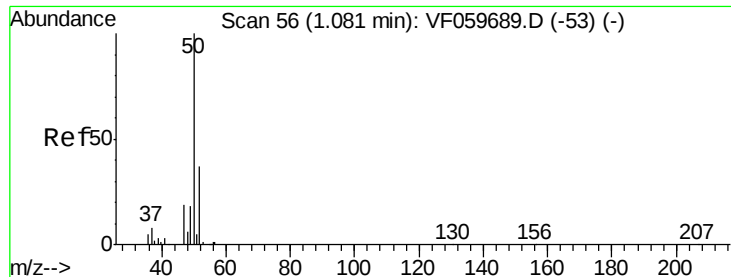


#2

Dichlorodifluoromethane
 Concen: 8.09 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.0	15.3	45.8





#3

Chloromethane

Concen: 7.69 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9348

Ion Ratio Lower Upper

50 100

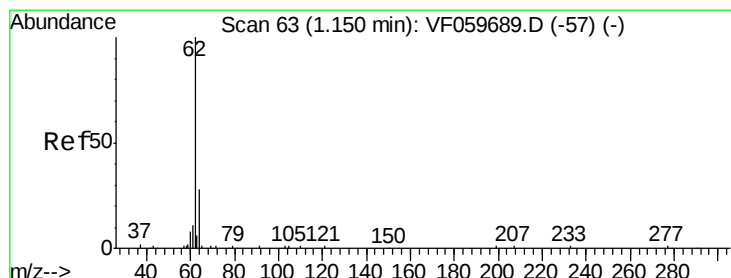
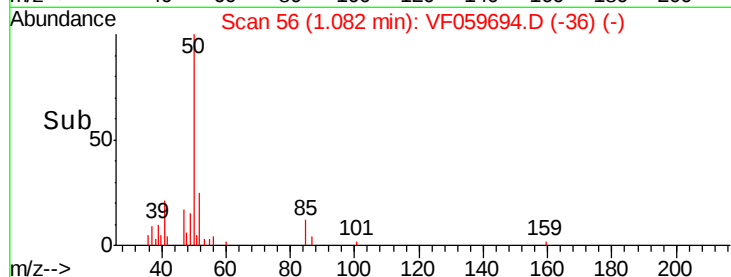
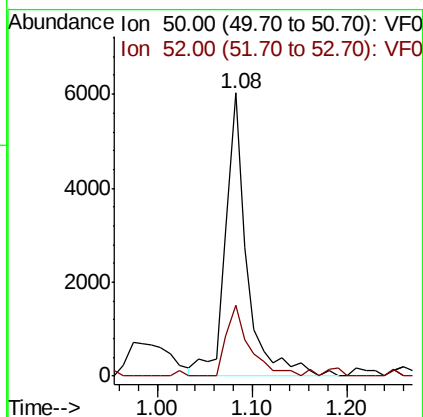
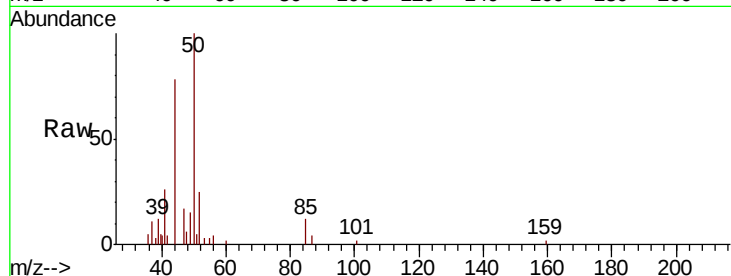
52 24.9 29.1 43.7#

Manual Integrations

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#4

Vinyl Chloride

Concen: 6.58 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059694.D

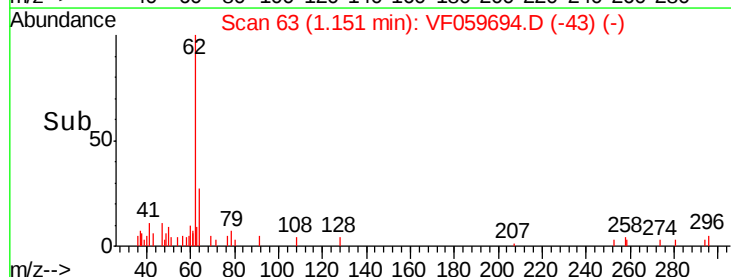
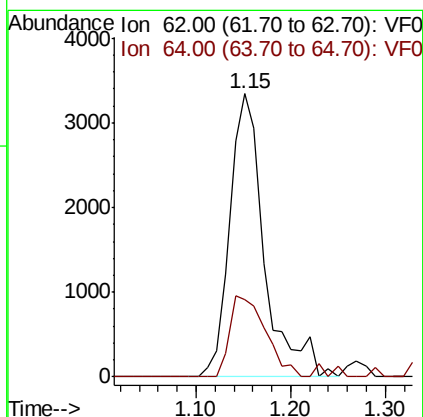
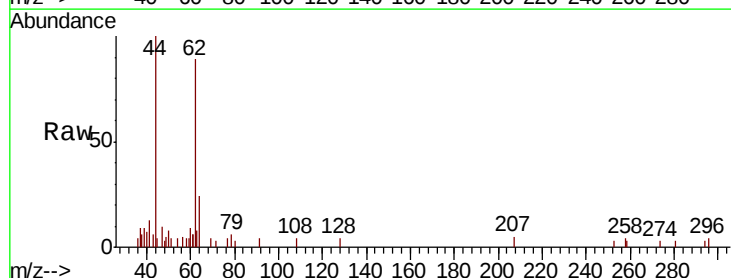
Acq: 30 Jul 2018 18:08

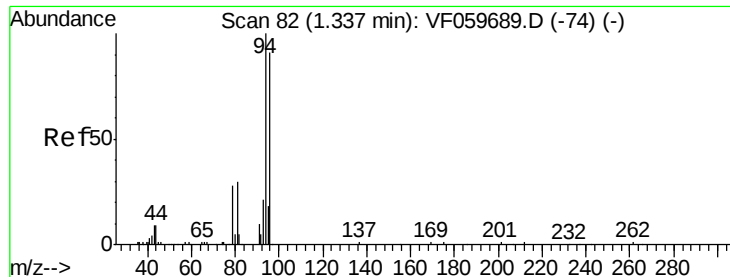
Tgt Ion: 62 Resp: 8472

Ion Ratio Lower Upper

62 100

64 27.2 22.6 33.8





#5

Bromomethane

Concen: 6.05 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6779

Ion Ratio Lower Upper

94 100

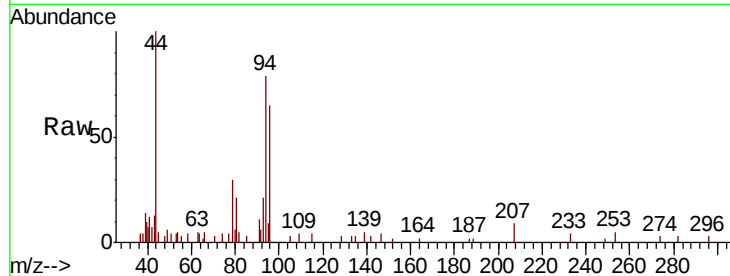
96 82.5 73.6 110.4

Manual Integrations

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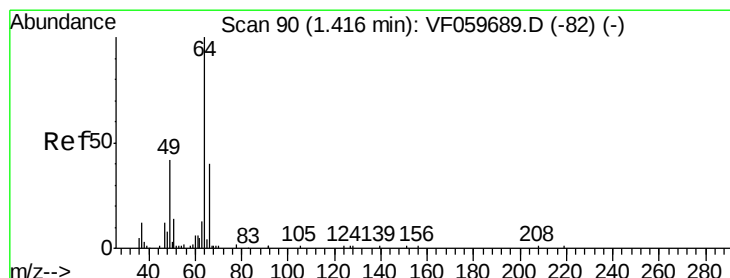
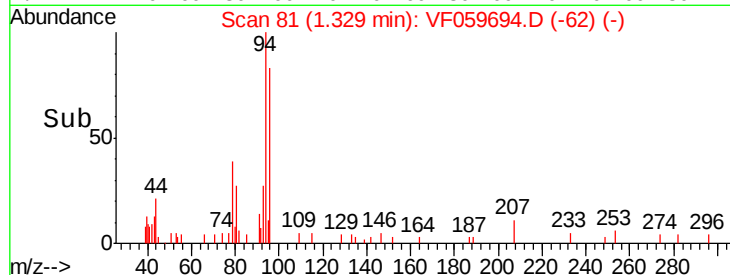
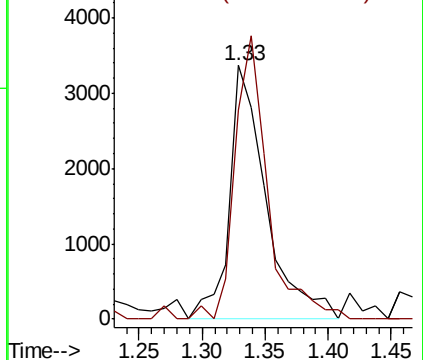
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.87 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059694.D

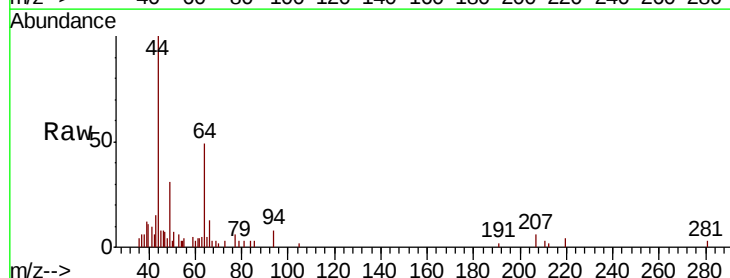
Acq: 30 Jul 2018 18:08

Tgt Ion: 64 Resp: 5514

Ion Ratio Lower Upper

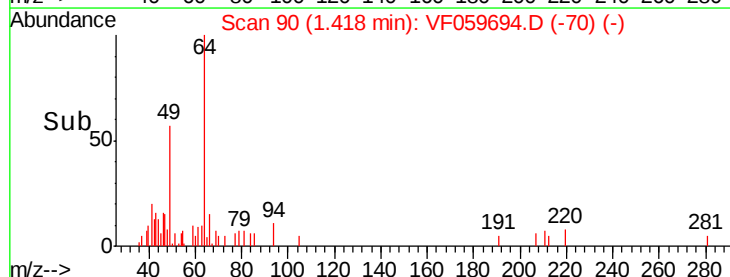
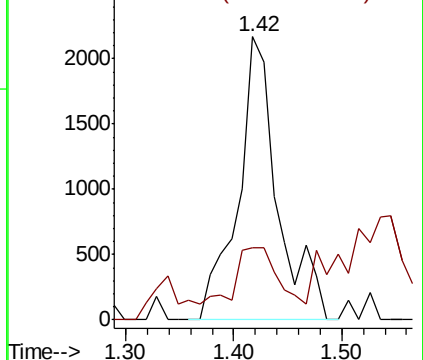
64 100

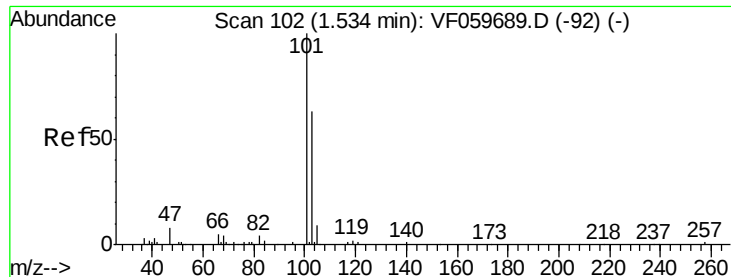
66 25.6 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

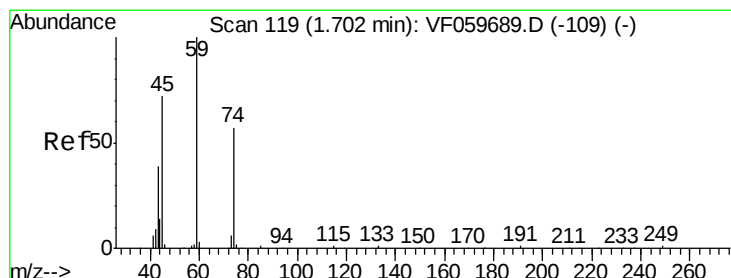
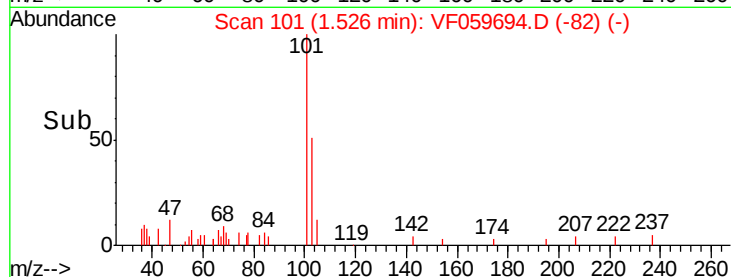
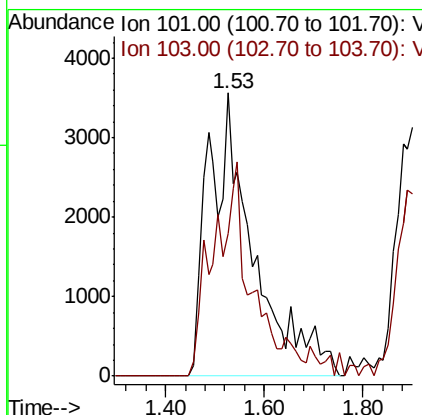
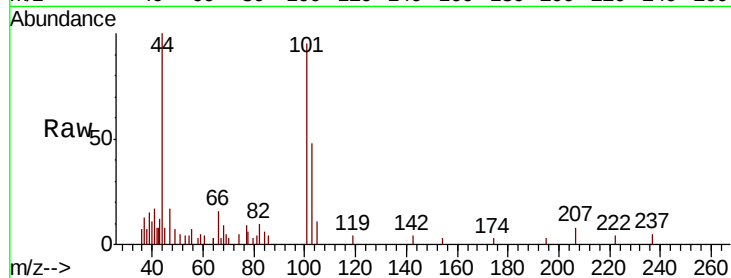
Trichlorofluoromethane
 Concen: 5.84 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	50.6	50.8	76.2#

Manual Integrations
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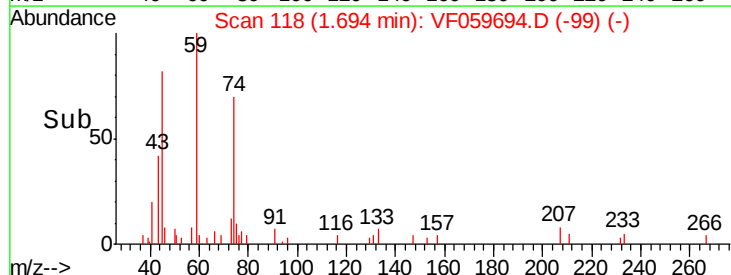
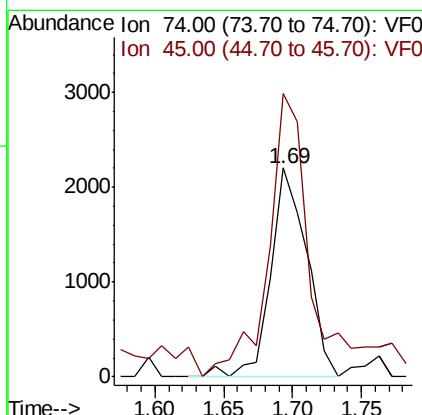
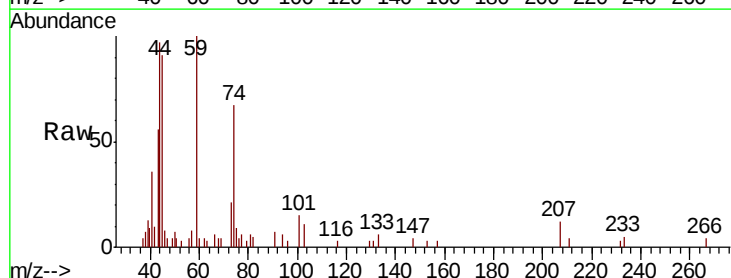
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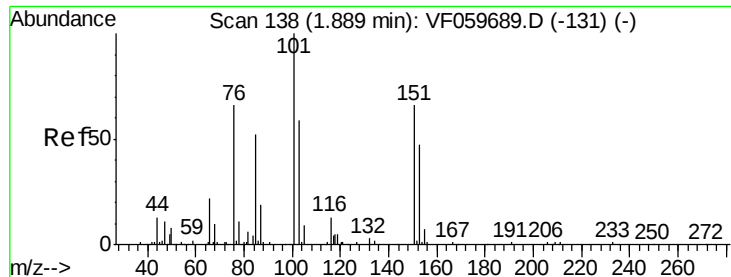


#8

Diethyl Ether
 Concen: 7.31 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.7	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.20 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

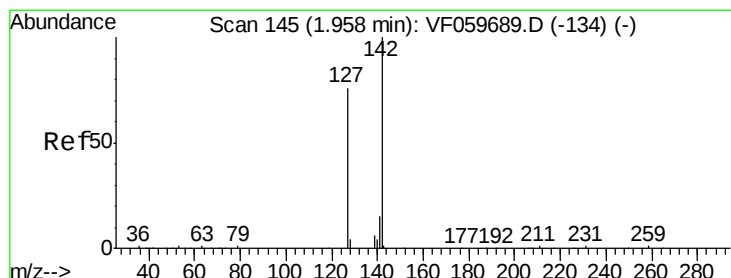
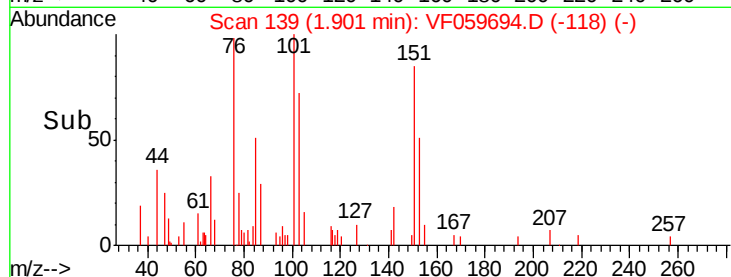
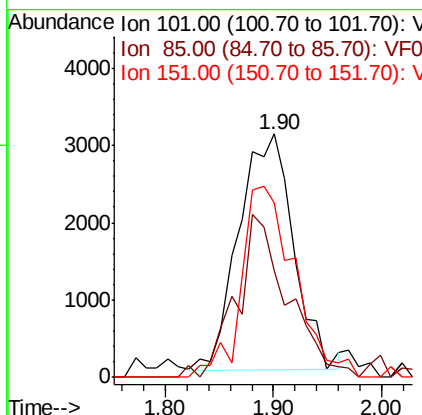
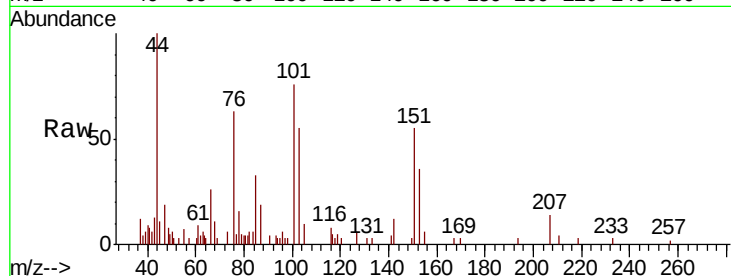
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10700
Ion Ratio	Lower	Upper	
101	100		
85	43.6	40.7	61.1
151	71.9	51.4	77.2

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#10

Methyl Iodide

Concen: 6.17 ug/l

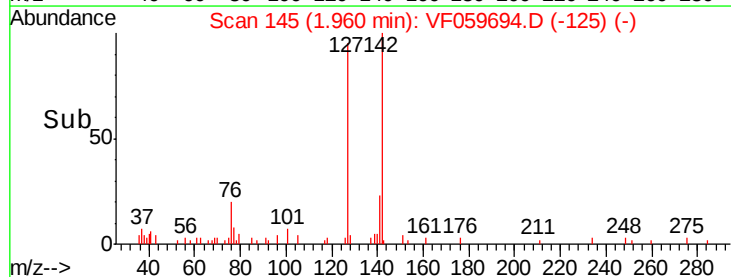
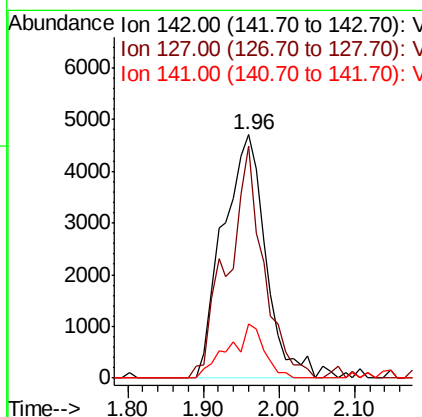
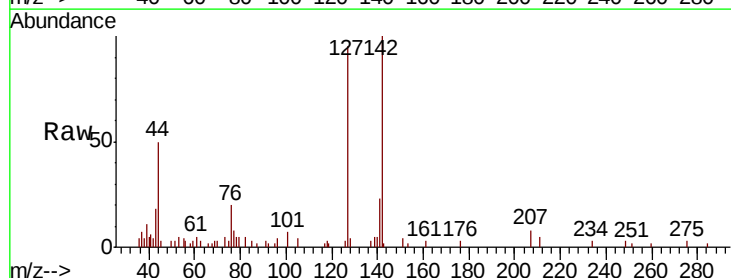
RT: 1.96 min Scan# 145

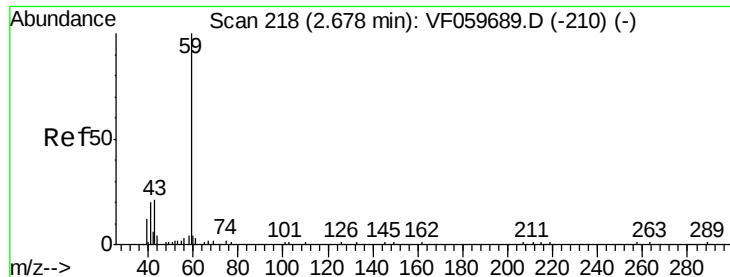
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	142	Resp:	18597
Ion Ratio	Lower	Upper	
142	100		
127	95.4	60.6	91.0#
141	22.5	12.0	18.0#





#11

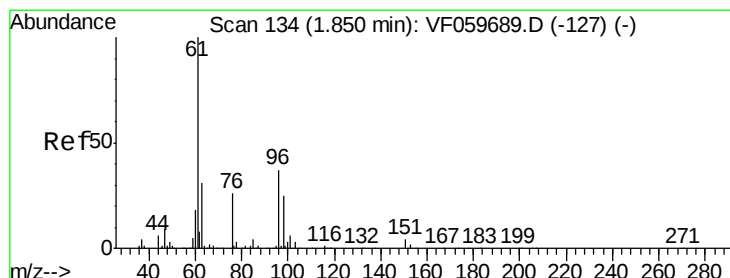
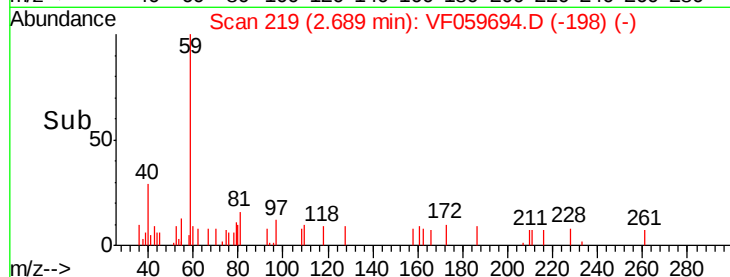
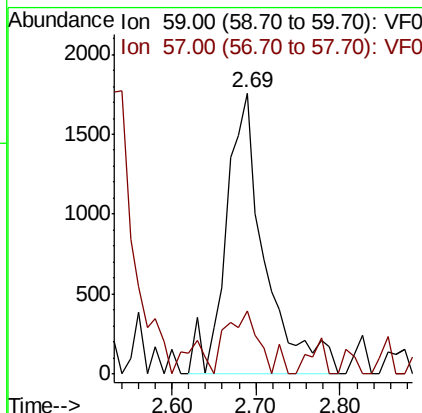
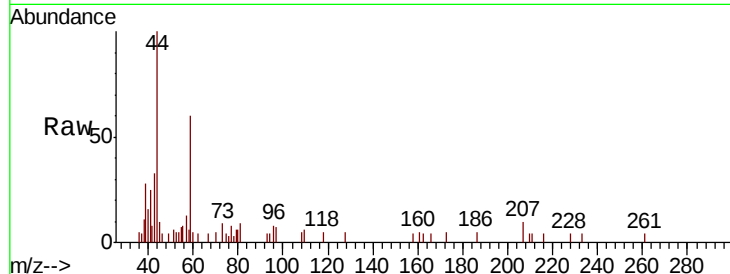
Tert butyl alcohol
Concen: 40.15 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	22.4	7.6	11.4#

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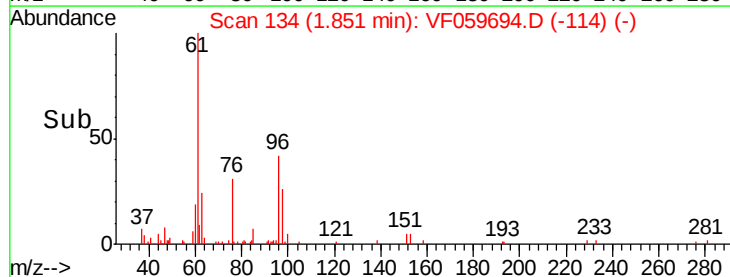
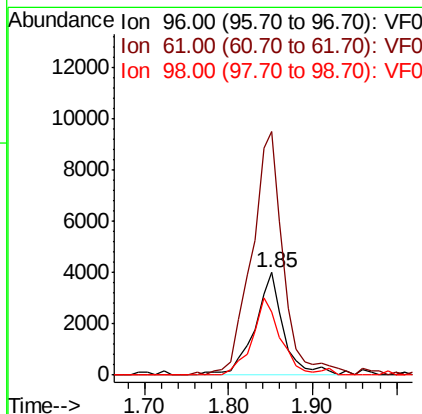
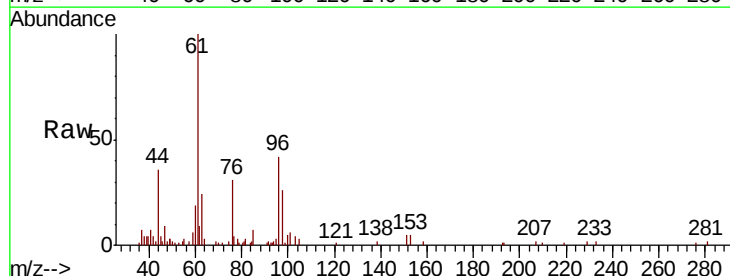
apatel
7/31/2018 12:13:04 PM

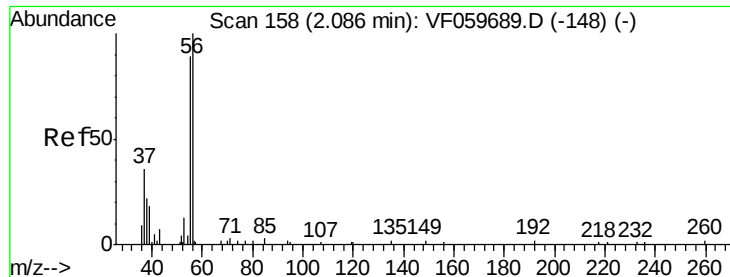


#12

1,1-Dichloroethene
Concen: 6.32 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	237.4	215.1	322.7
98	61.9	54.3	81.5





#13

Acrolein

Concen: 33.59 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tot Ion: 56 Resp: 2088

Ion Ratio Lower Upper

56 100

55 101.9 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

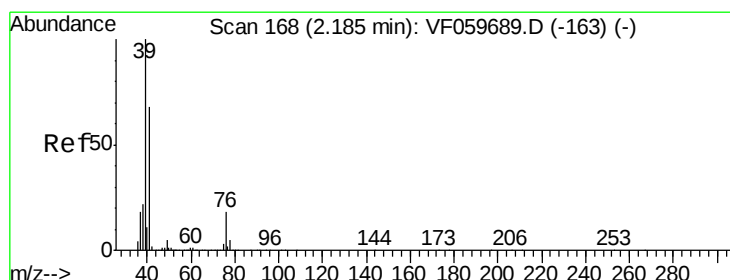
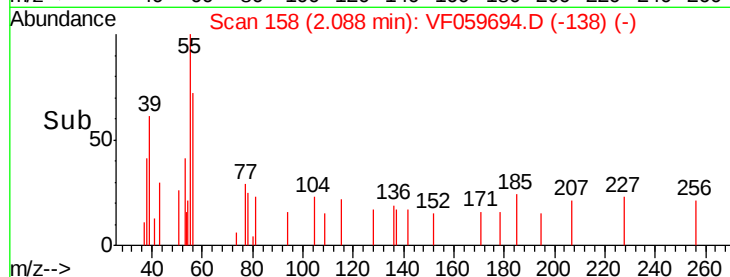
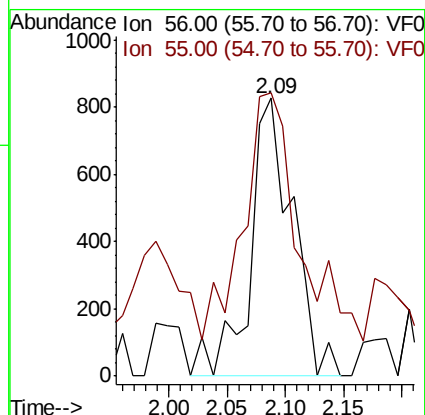
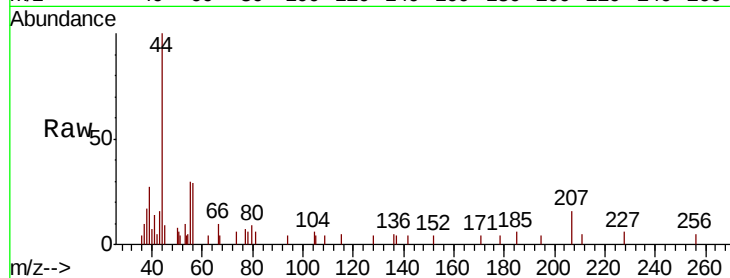
VSTDIC005

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#14

Allyl chloride

Concen: 5.28 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

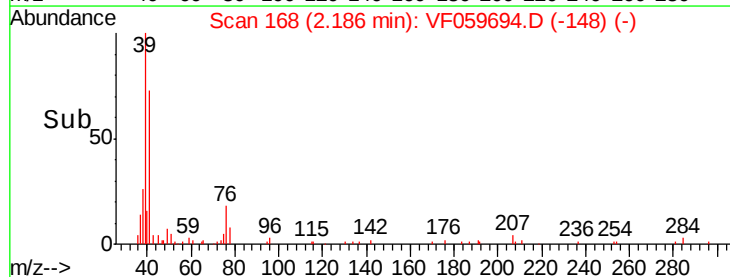
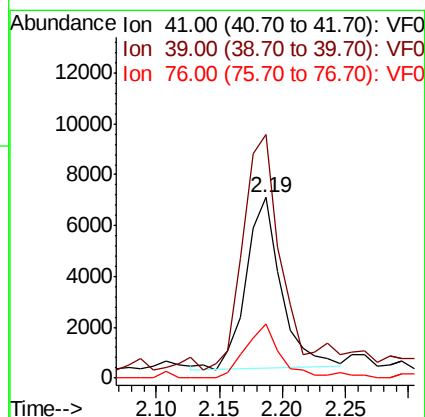
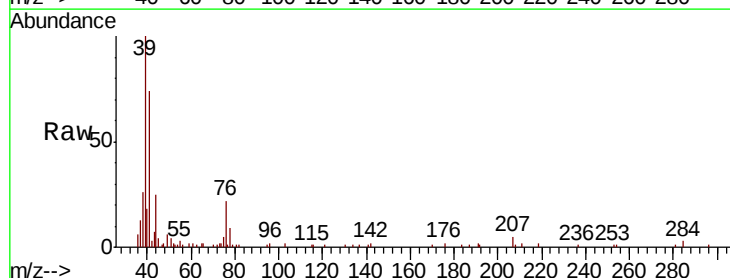
Tgt Ion: 41 Resp: 13137

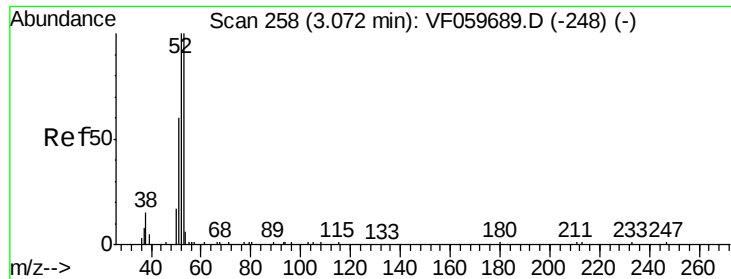
Ion Ratio Lower Upper

41 100

39 134.7 118.1 177.1

76 29.8 22.0 33.0





#15

Acrylonitrile

Concen: 40.20 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

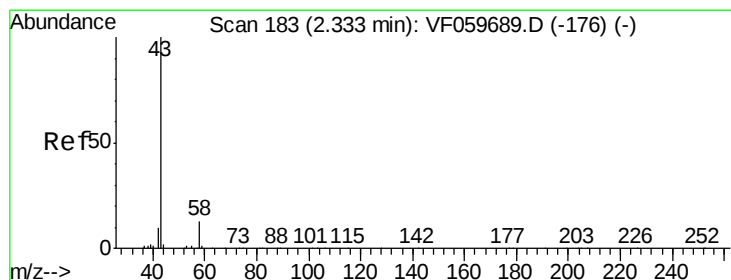
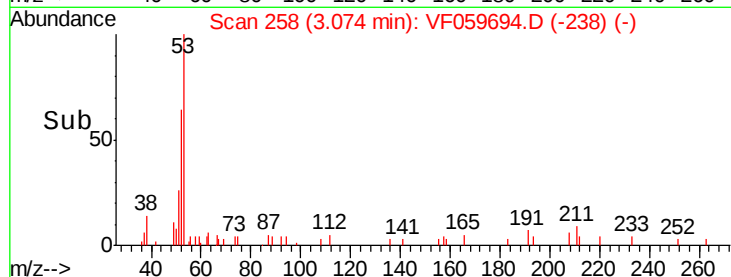
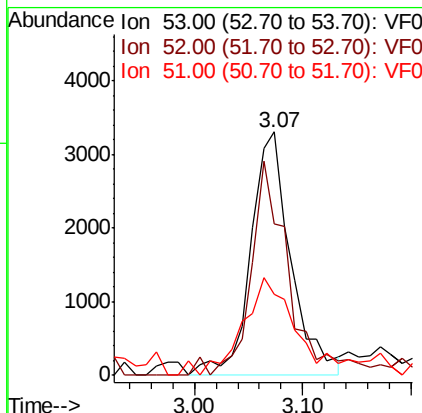
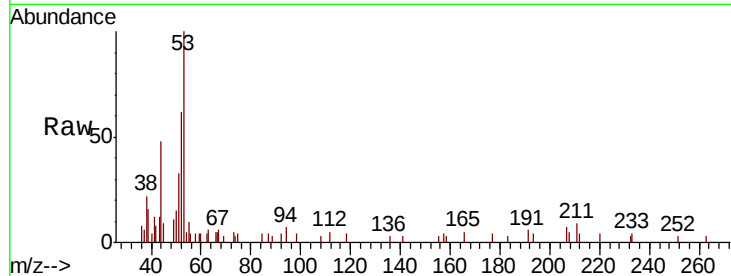
VSTDIC005

Tot Ion:	53	Resp:	8605
Ion	Ratio	Lower	Upper
53	100		
52	62.3	80.3	120.5#
51	33.3	49.4	74.0#

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#16

Acetone

Concen: 34.16 ug/l

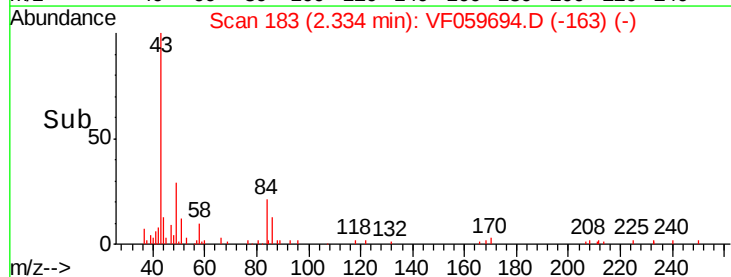
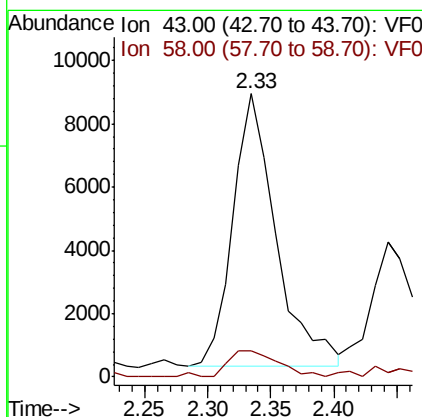
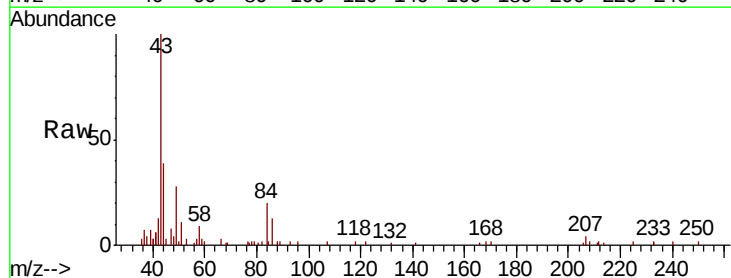
RT: 2.33 min Scan# 183

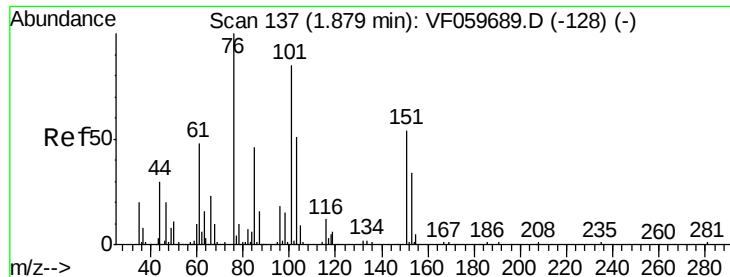
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	43	Resp:	20359
Ion	Ratio	Lower	Upper
43	100		
58	9.2	10.1	15.1#





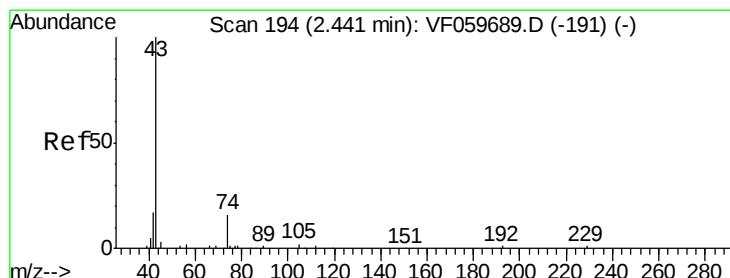
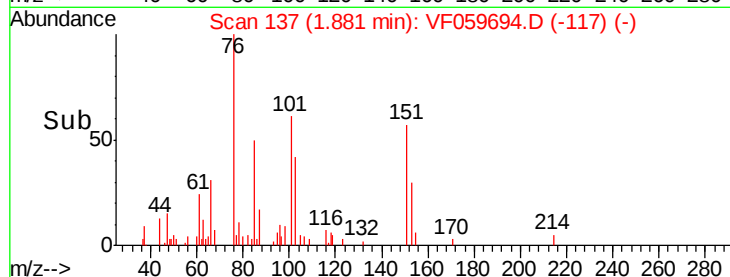
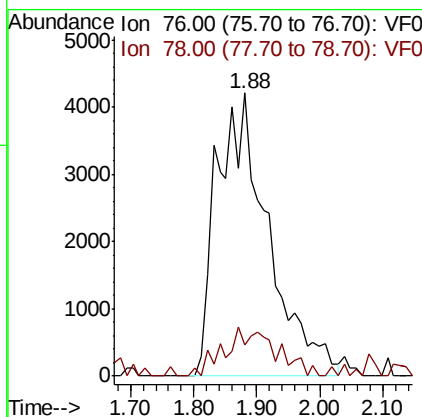
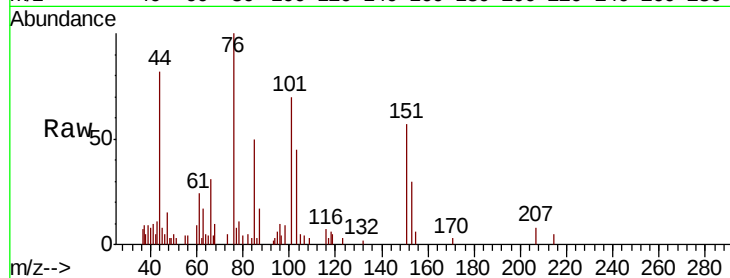
#17
Carbon Disulfide
Concen: 6.43 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 23802
Ion Ratio Lower Upper
76 100
78 10.9 8.9 13.3

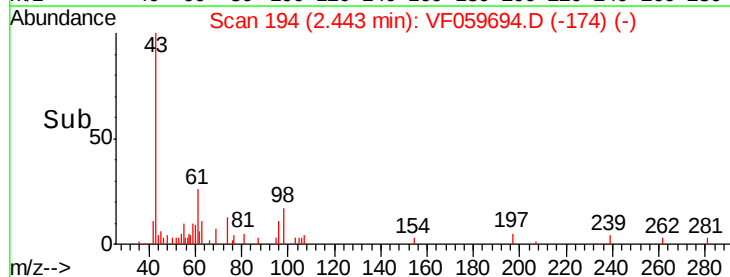
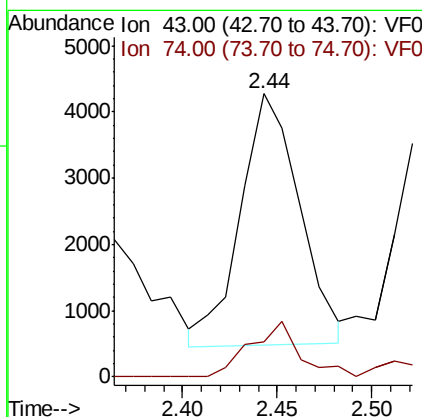
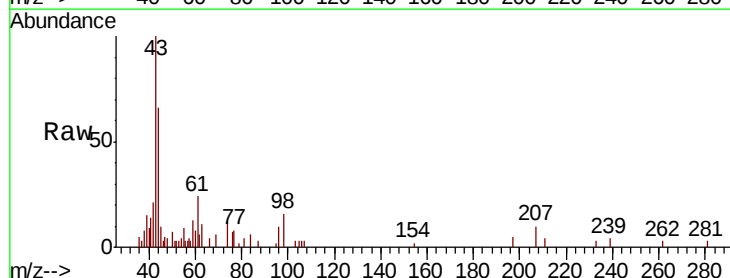
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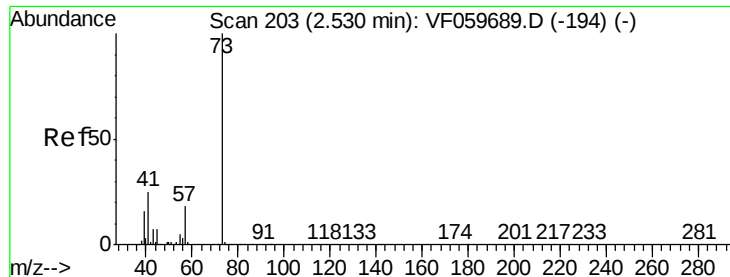
apatel
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#18
Methyl Acetate
Concen: 8.26 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 43 Resp: 8238
Ion Ratio Lower Upper
43 100
74 12.4 11.8 17.6





#19

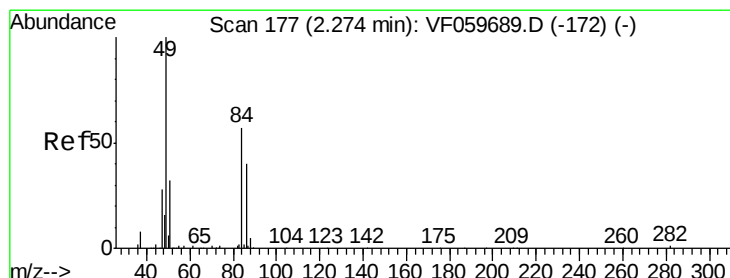
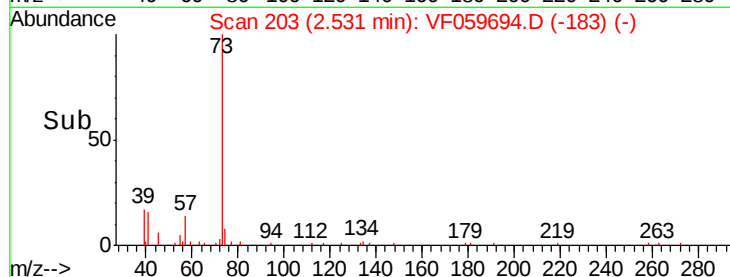
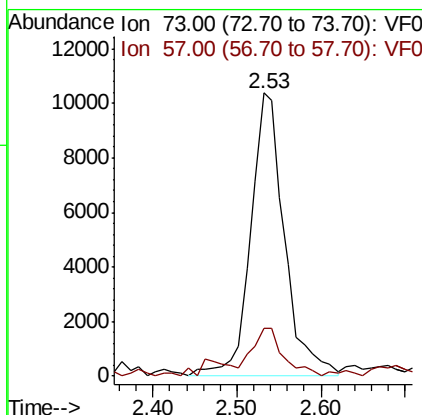
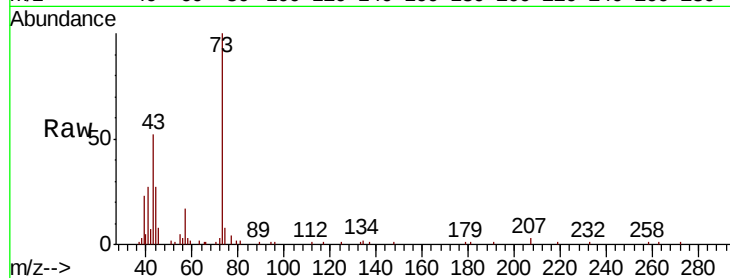
Methyl tert-butyl Ether
 Concen: 6.90 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	14.2	21.2

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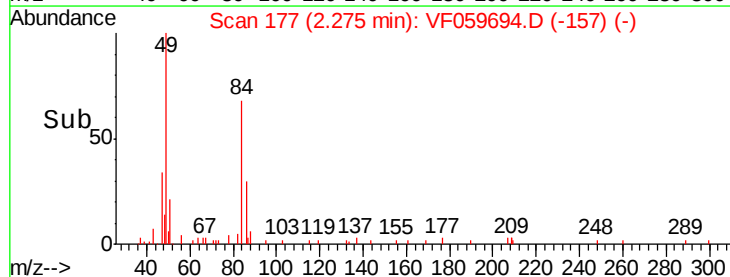
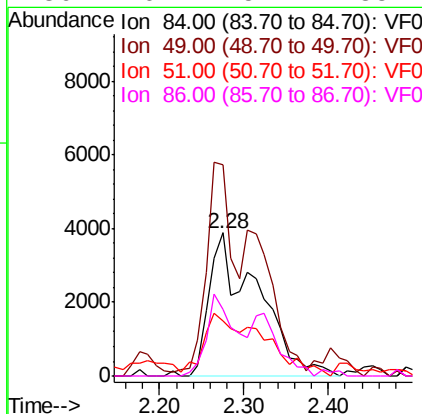
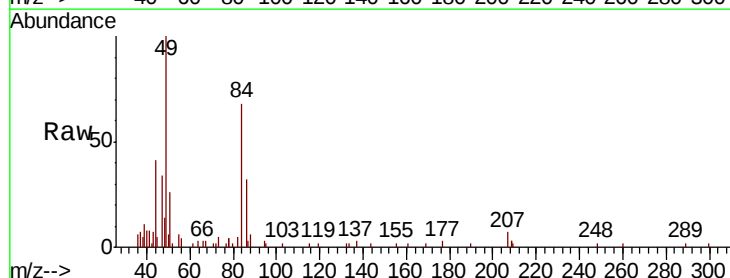
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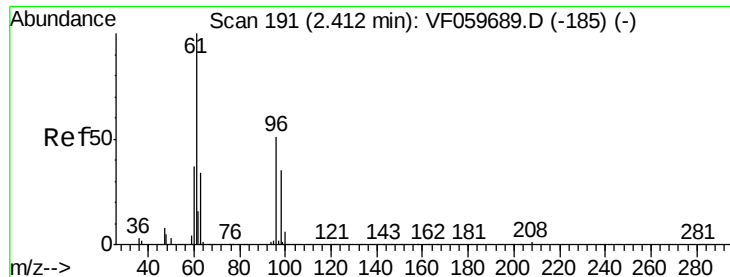


#20

Methylene Chloride
 Concen: 7.03 ug/l m
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.9	142.2	213.4
51	38.2	46.2	69.2#
86	46.7	57.1	85.7#





#21

trans-1,2-Dichloroethene

Concen: 6.61 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

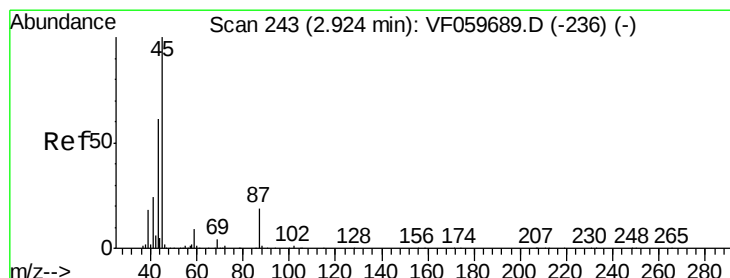
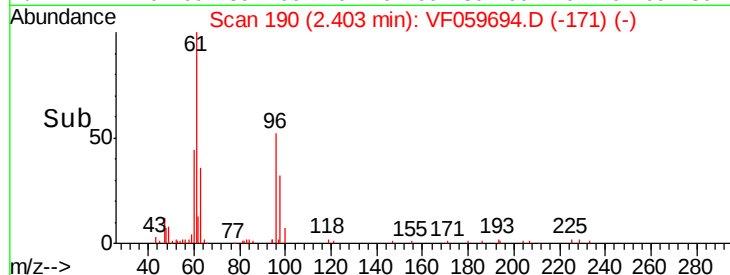
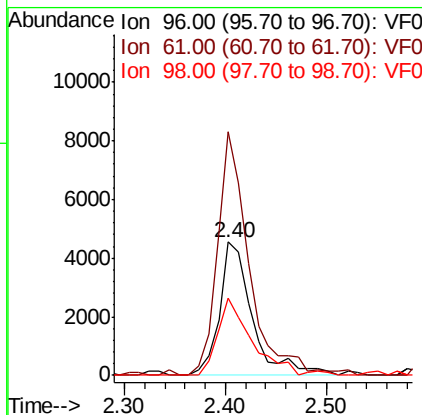
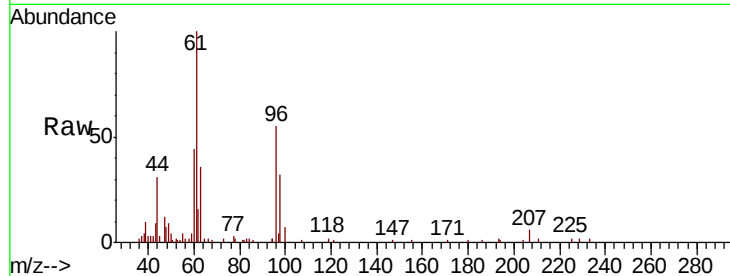
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10328
Ion	Ratio	Lower	Upper
96	100		
61	182.4	157.4	236.0
98	57.8	55.0	82.4

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#22

Diisopropyl ether

Concen: 5.84 ug/l

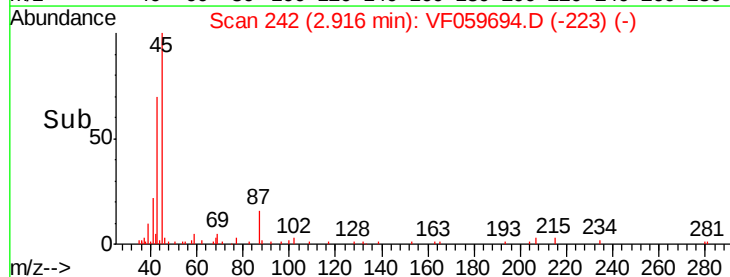
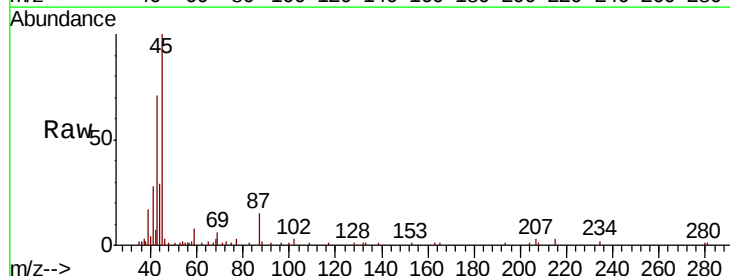
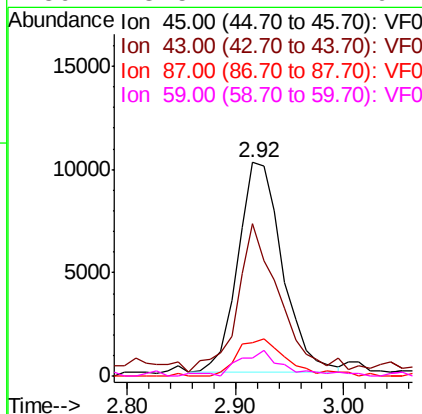
RT: 2.92 min Scan# 242

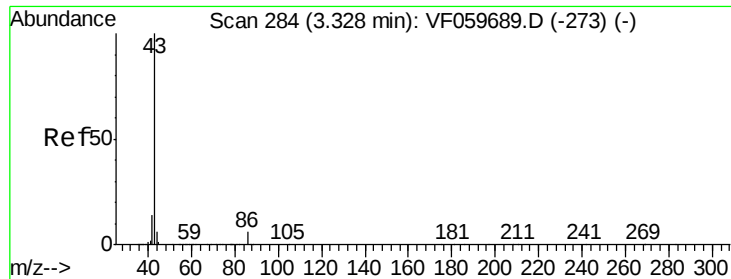
Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	45	Resp:	29057
Ion	Ratio	Lower	Upper
45	100		
43	71.2	49.3	73.9
87	15.4	15.3	22.9
59	8.5	7.1	10.7





#23

Vinyl Acetate

Concen: 29.22 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 72102

Ion Ratio Lower Upper

43 100

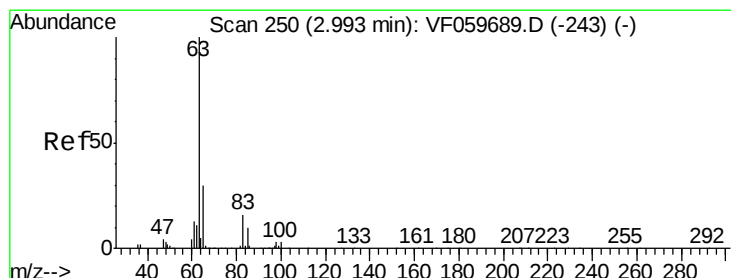
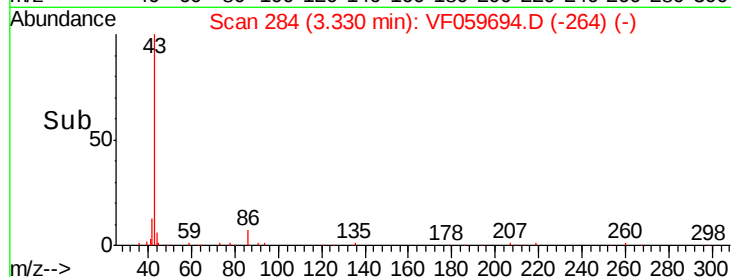
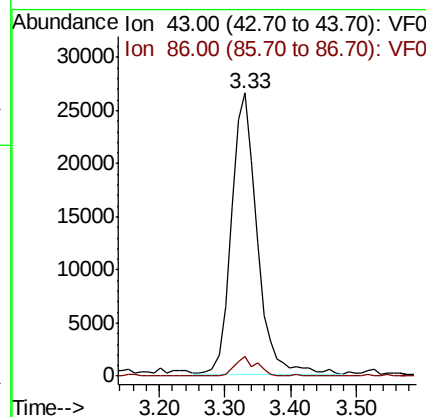
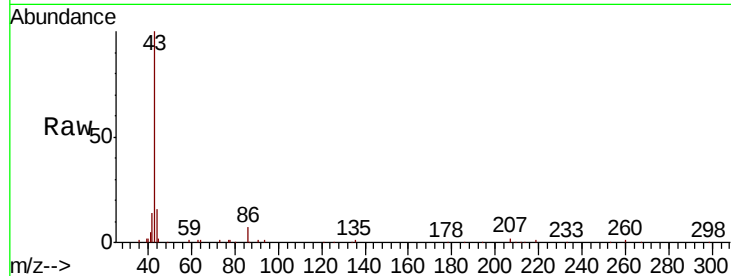
86 7.1 4.6 6.8#

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#24

1,1-Dichloroethane

Concen: 5.85 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

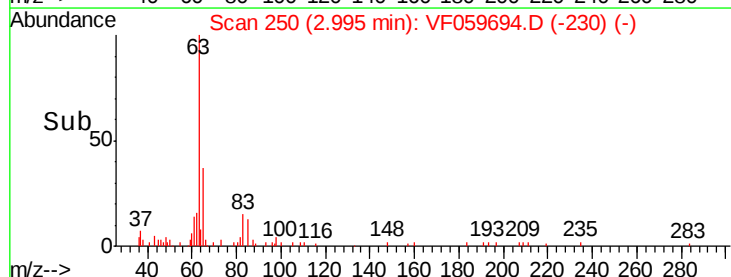
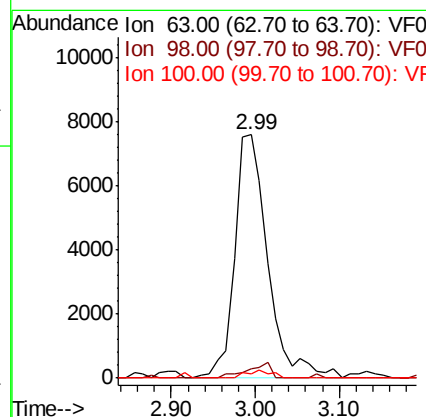
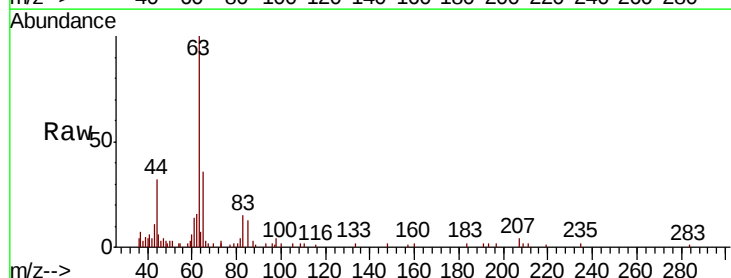
Tgt Ion: 63 Resp: 20736

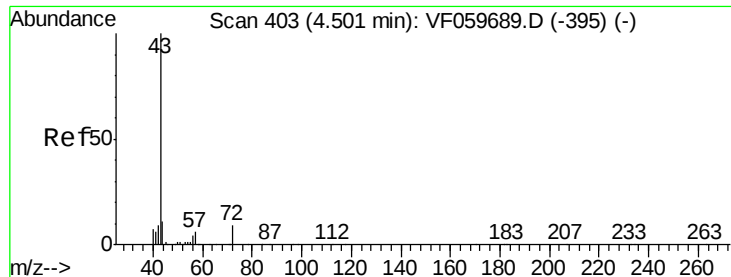
Ion Ratio Lower Upper

63 100

98 3.8 1.4 4.2

100 1.7 1.6 4.7





#25

2-Butanone

Concen: 31.03 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20378

Ion Ratio Lower Upper

43 100

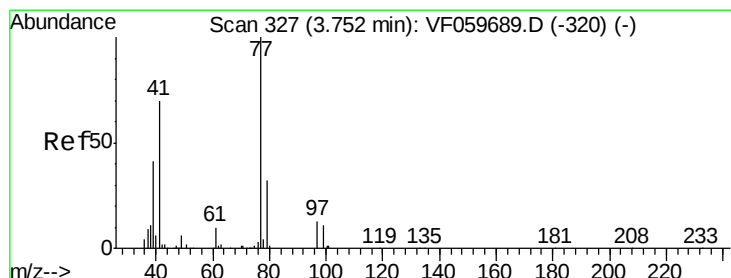
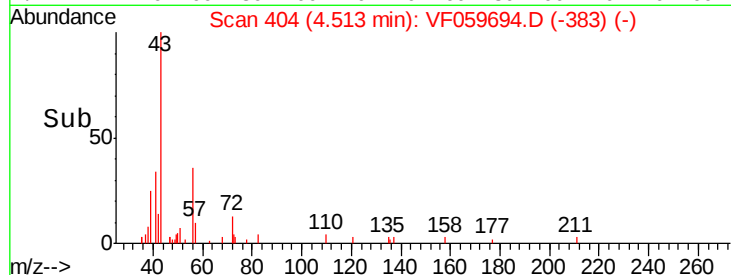
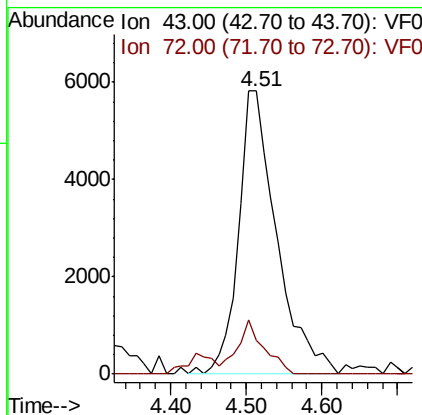
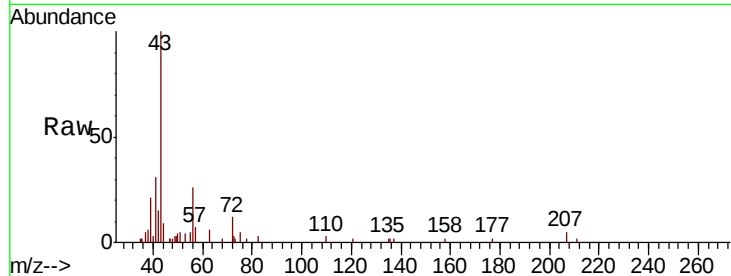
72 11.7 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 5.26 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059694.D

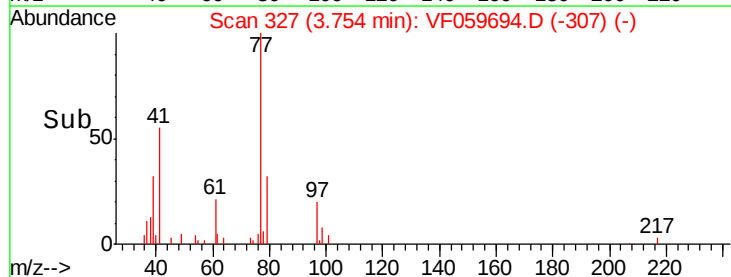
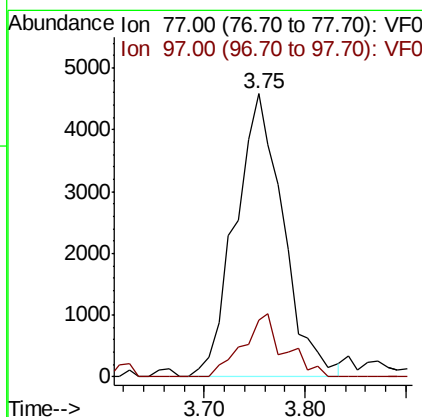
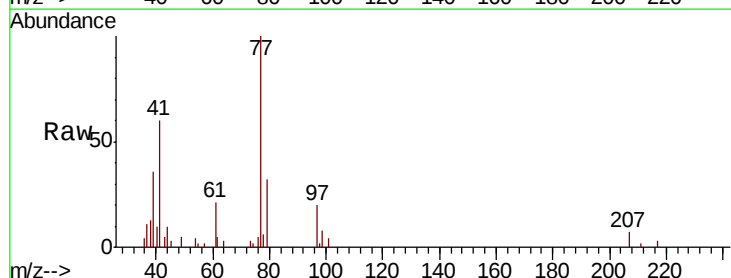
Acq: 30 Jul 2018 18:08

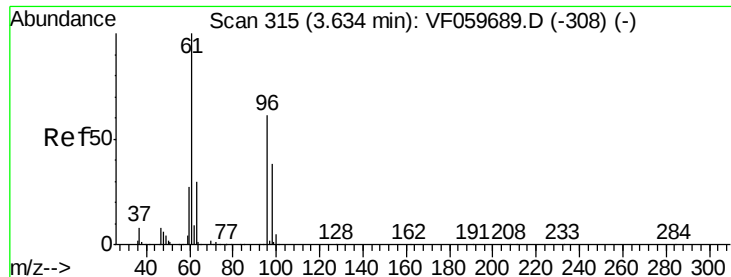
Tgt Ion: 77 Resp: 15150

Ion Ratio Lower Upper

77 100

97 22.7 6.8 20.4#





#27

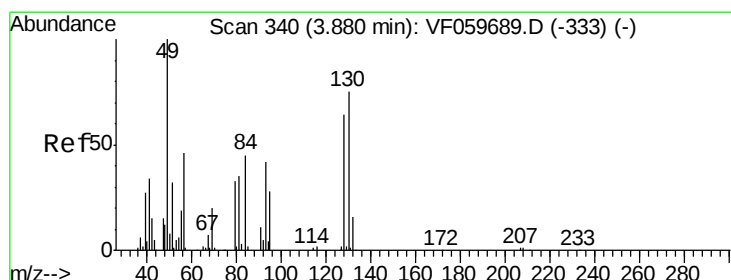
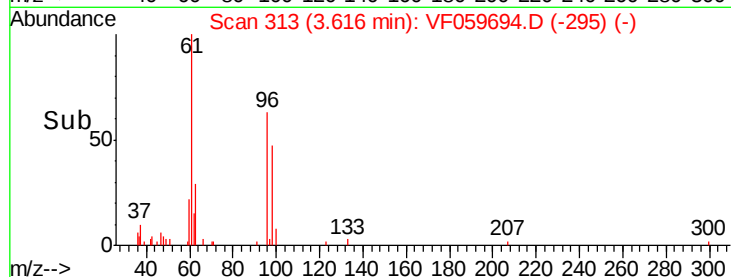
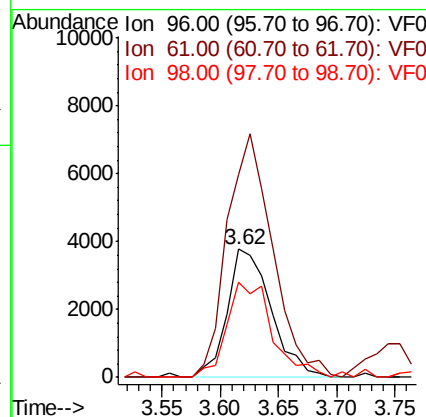
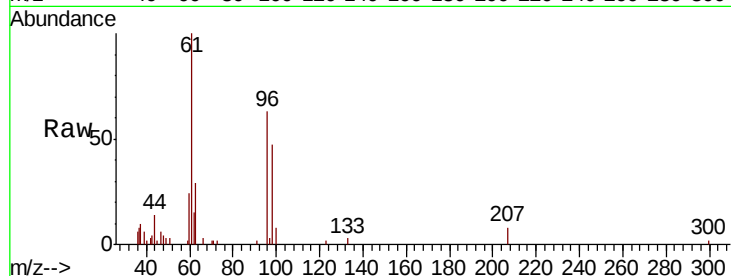
cis-1,2-Dichloroethene
Concen: 5.39 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	326.8
98	74.0	0.0	125.2

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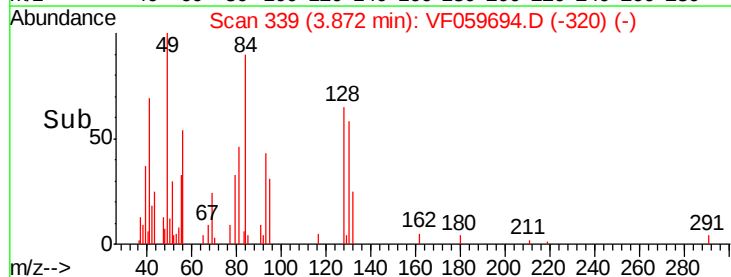
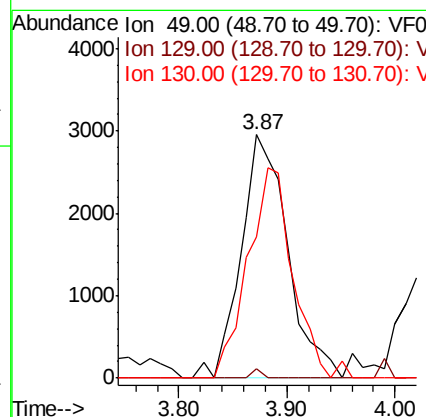
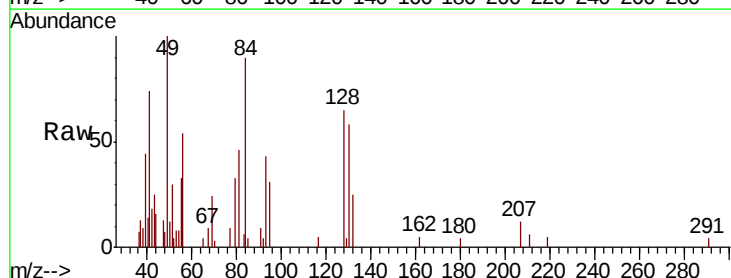
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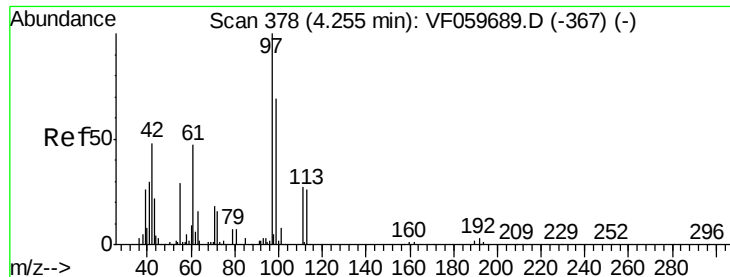


#28

Bromochloromethane
Concen: 6.79 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.8
130	57.9	59.6	89.4#





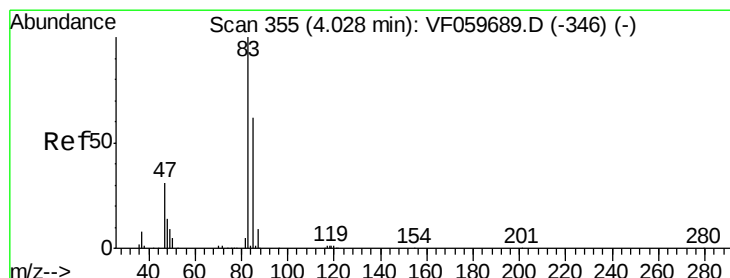
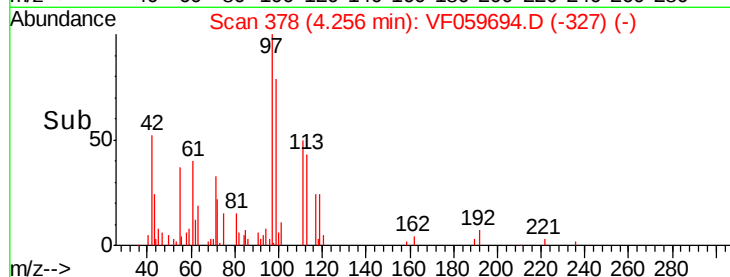
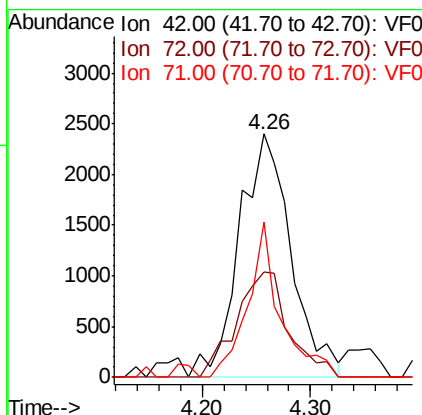
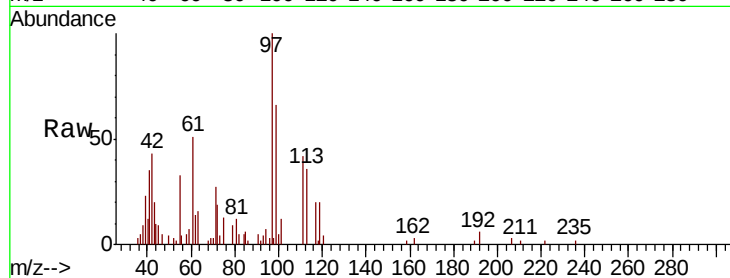
#29
Tetrahydrofuran
Concen: 30.52 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	27.0	40.6#
71	39.9	29.7	44.5

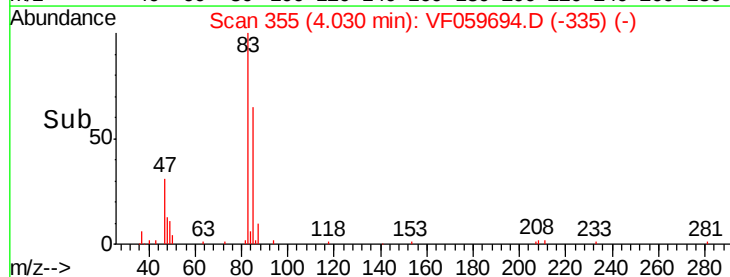
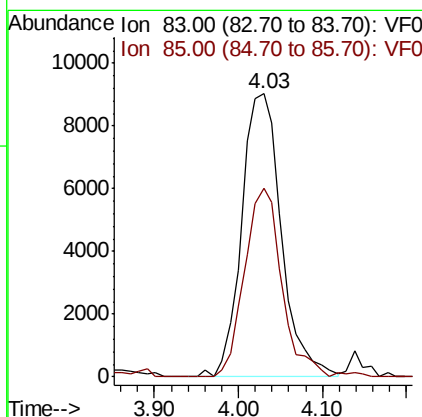
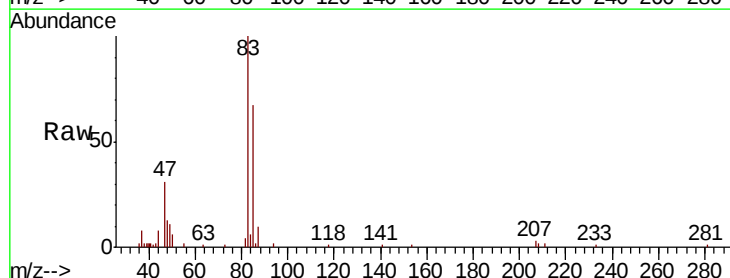
Manual Integrations
APPROVED

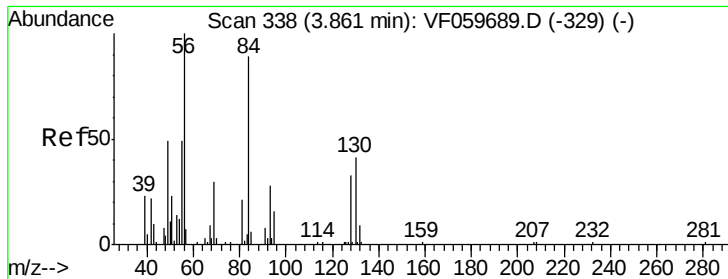
apatel
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#30
Chloroform
Concen: 5.97 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.4	74.0





#31

Cyclohexane

Concen: 5.06 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

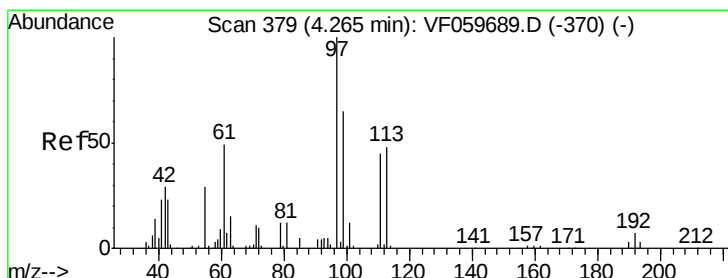
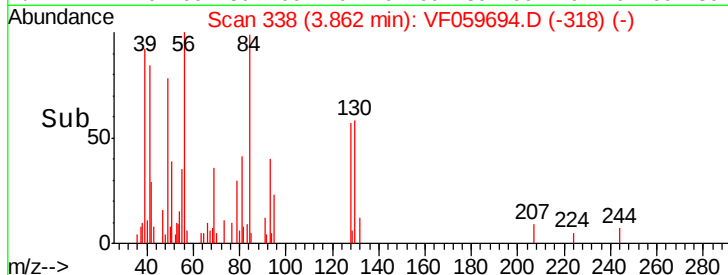
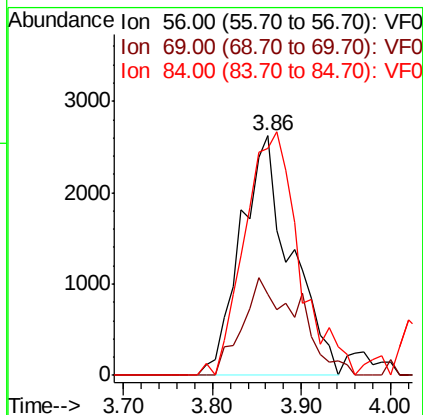
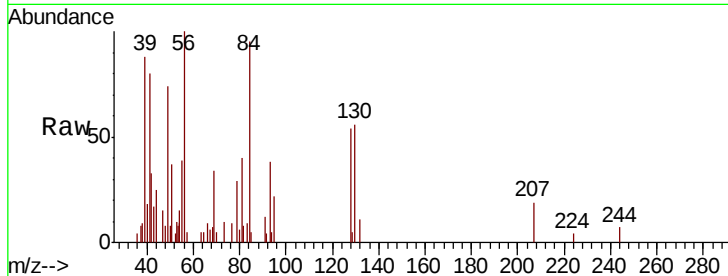
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	10289
Ion	Ratio	Lower	Upper
56	100		
69	34.0	23.7	35.5
84	94.5	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.65 ug/l

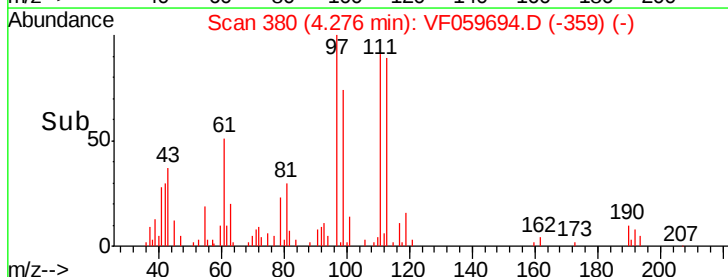
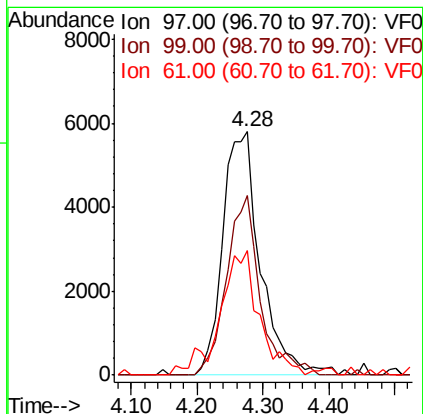
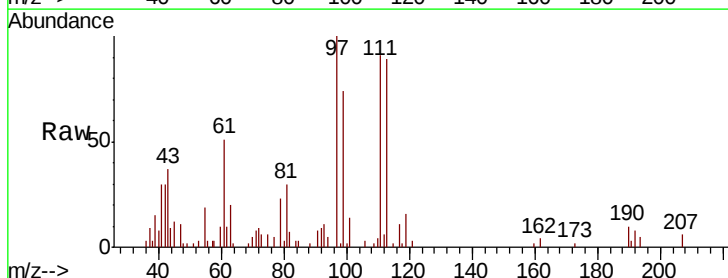
RT: 4.28 min Scan# 380

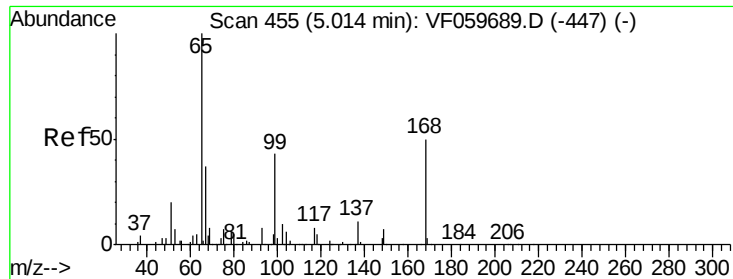
Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	97	Resp:	23178
Ion	Ratio	Lower	Upper
97	100		
99	73.7	52.4	78.6
61	51.3	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 5.81 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 18992

Ion Ratio Lower Upper

65 100

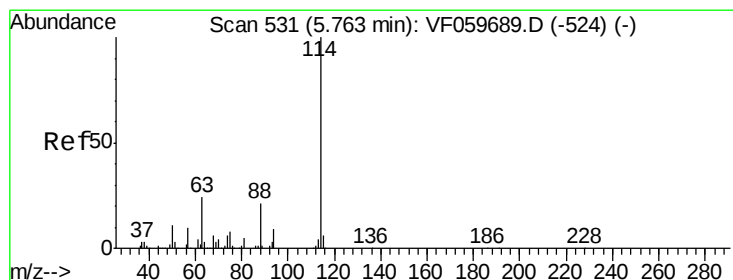
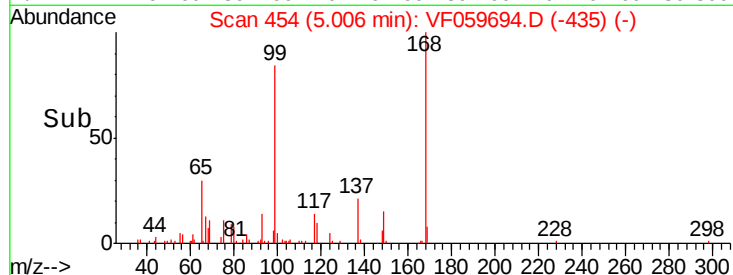
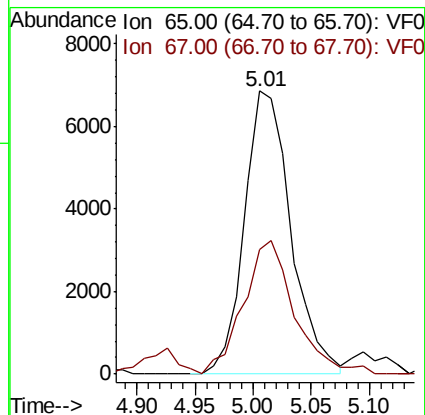
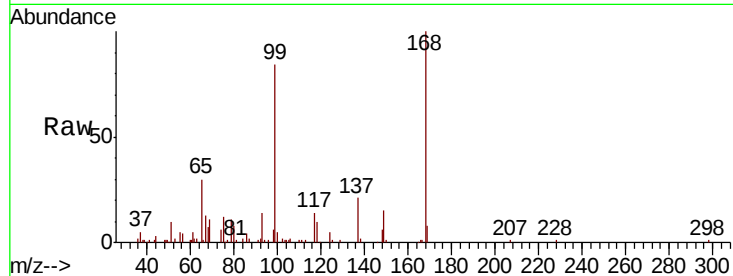
67 43.8 0.0 84.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

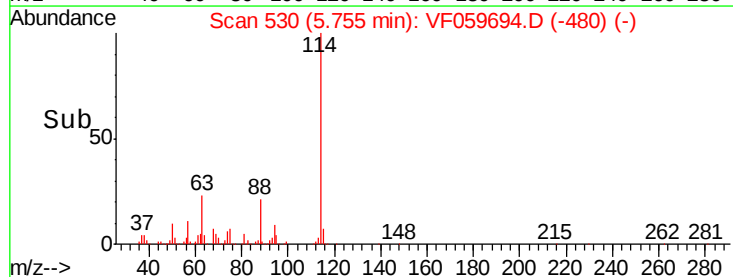
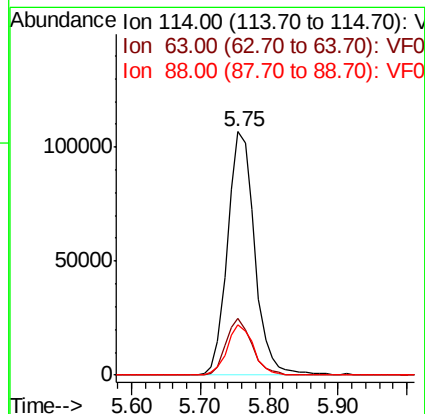
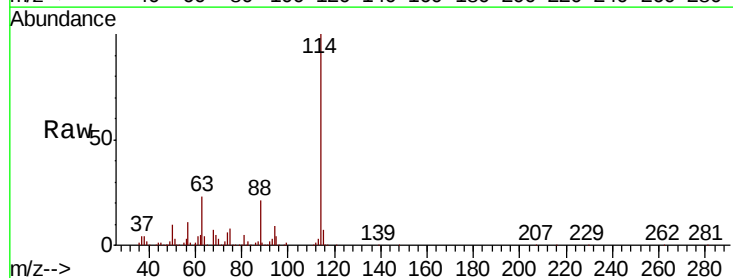
Tgt Ion: 114 Resp: 291390

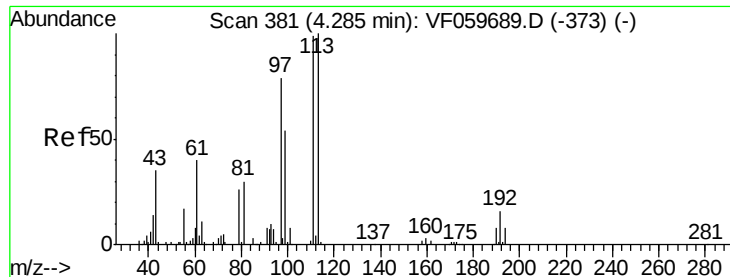
Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.4

88 20.6 0.0 41.2





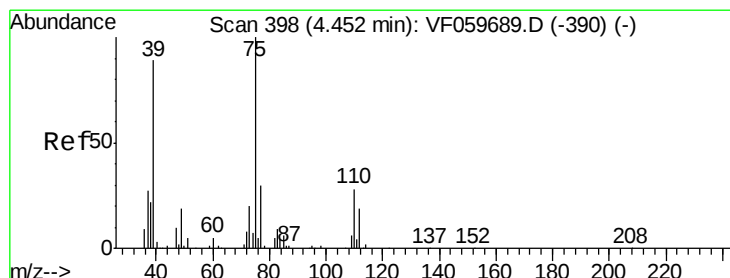
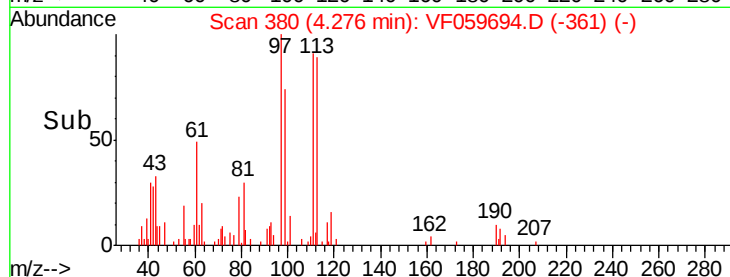
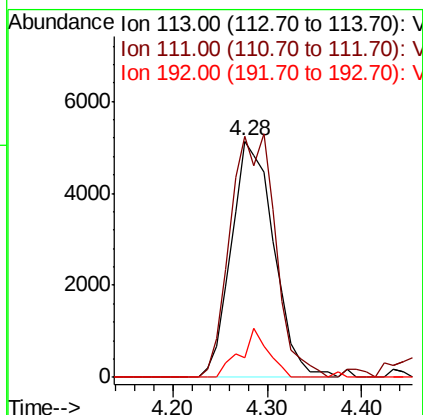
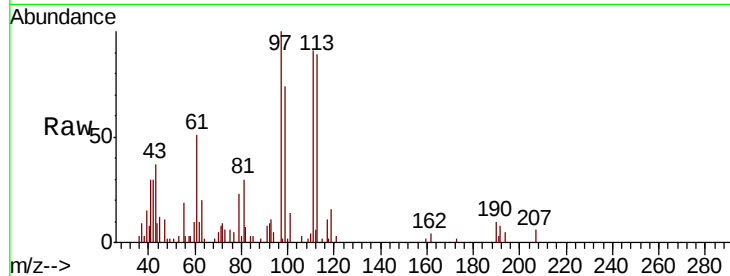
#35
Dibromofluoromethane
Concen: 5.75 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	79.0	118.4
192	8.5	13.2	19.8

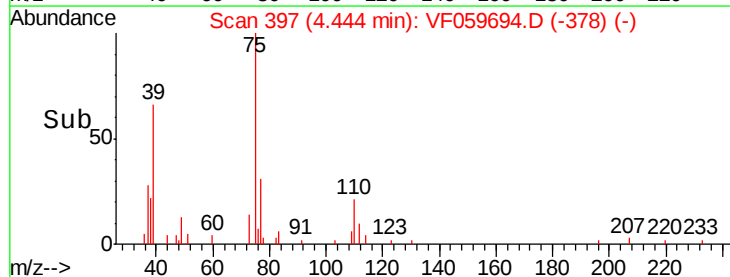
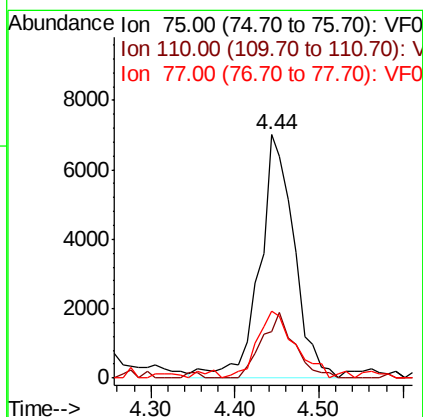
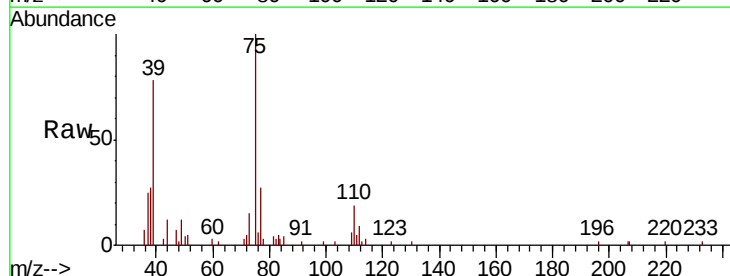
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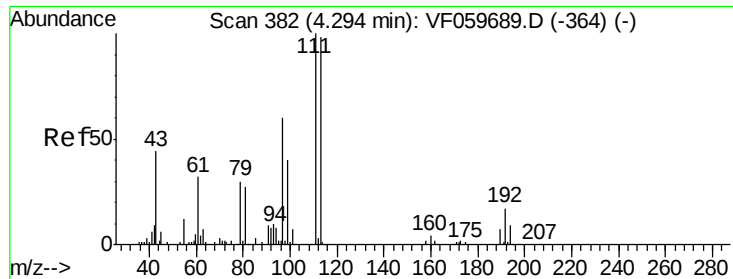
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#36
1,1-Dichloropropene
Concen: 6.38 ug/l
RT: 4.44 min Scan# 397
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	23.9	14.0	41.9
77	27.5	24.2	36.2





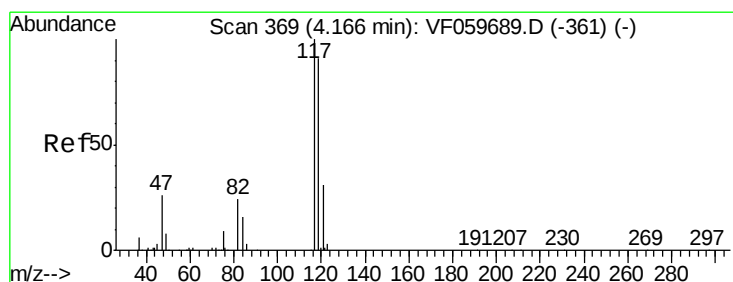
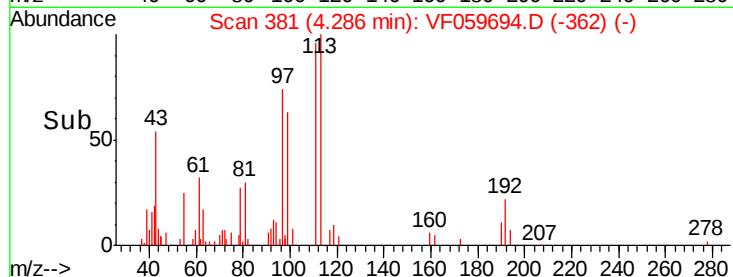
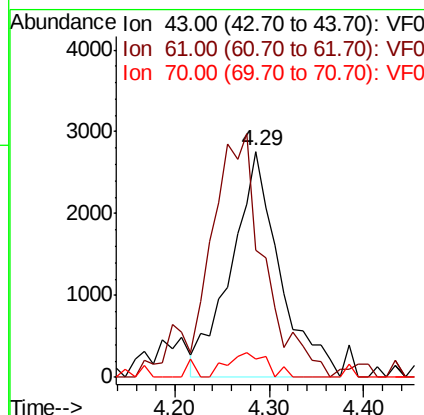
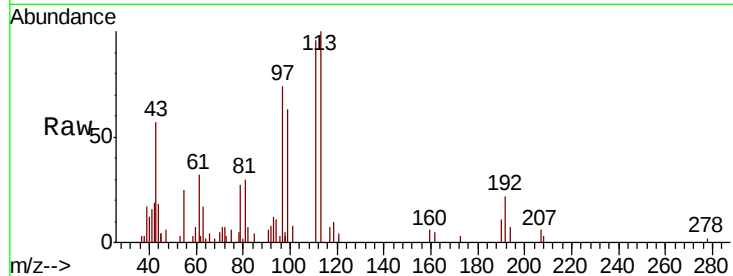
#37
Ethyl Acetate
Concen: 7.13 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp: 9827	100	56.1	8.1			
		58.2	6.0			
			9.0			

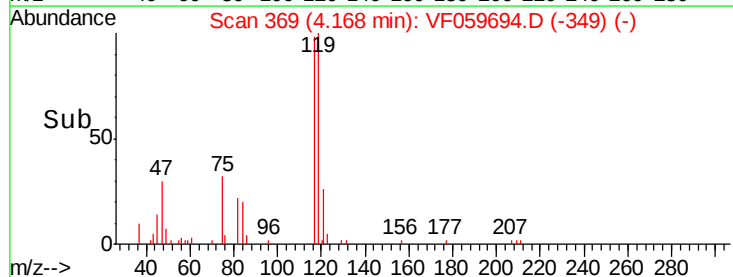
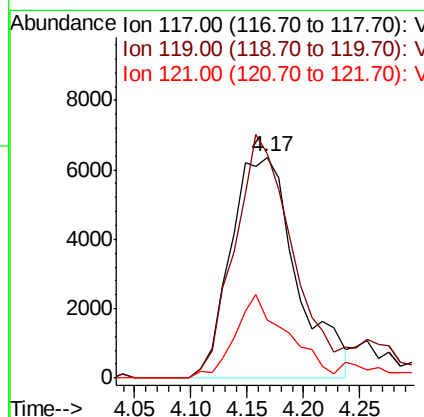
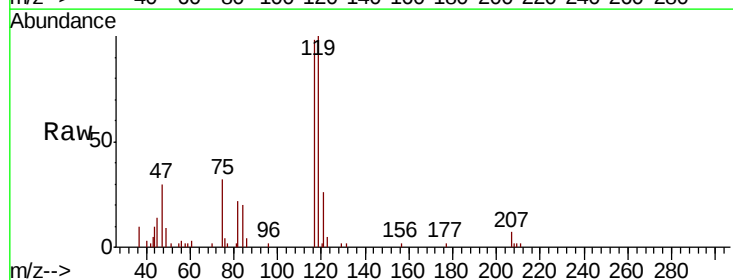
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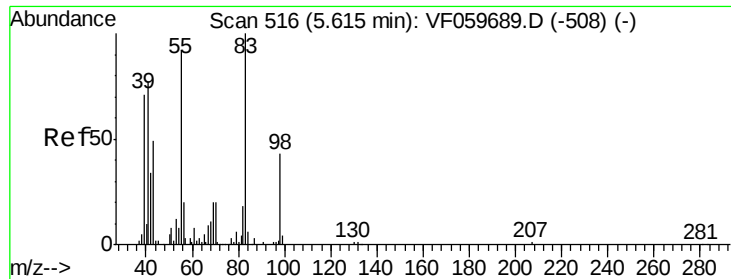
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#38
Carbon Tetrachloride
Concen: 5.56 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp: 25778	100	101.6	26.2			
		72.9	25.0			
			37.4			





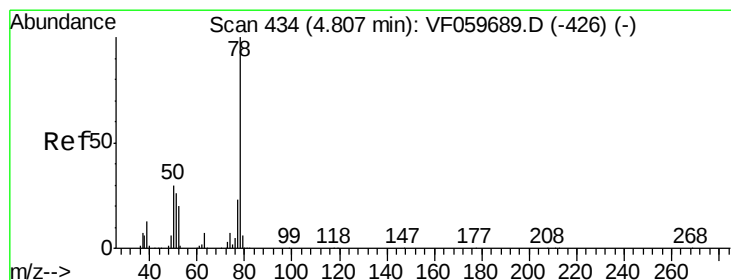
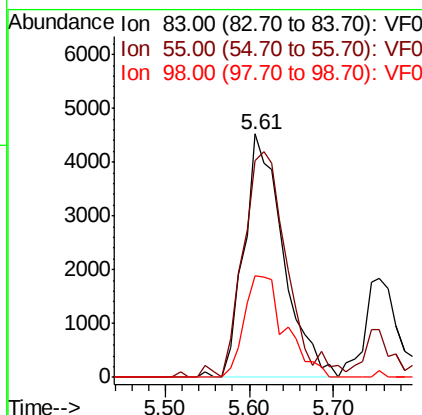
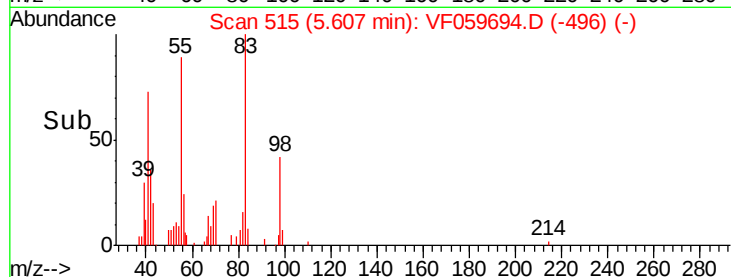
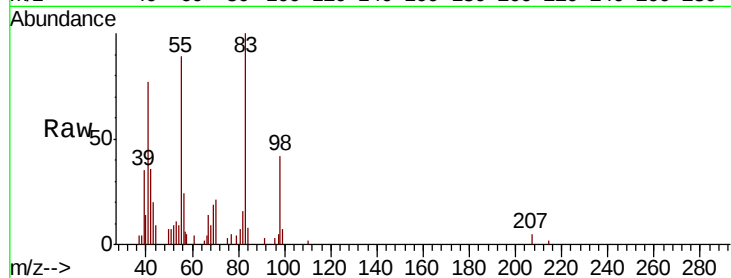
#39
Methvlcvclohexane
Concen: 5.74 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	14769
Ion Ratio	Lower	Upper	
83	100		
55	88.9	73.4	110.2
98	41.6	34.2	51.4

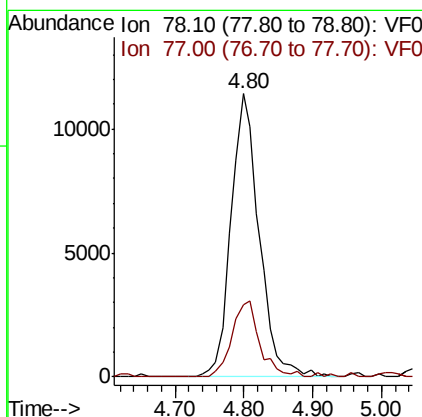
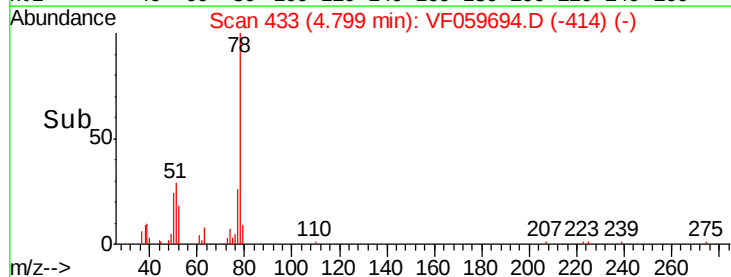
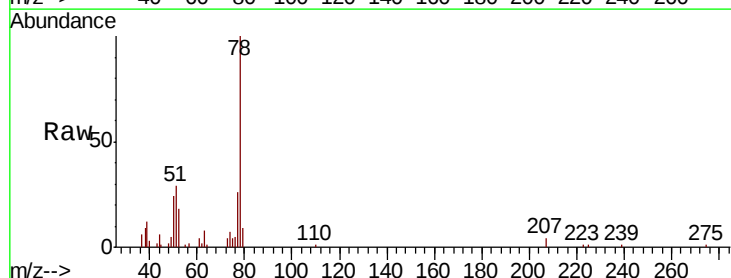
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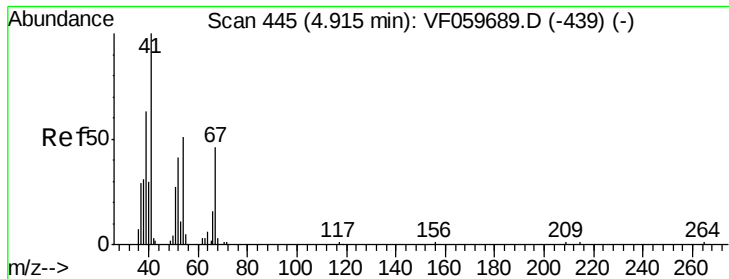
apatel
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#40
Benzene
Concen: 5.74 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	78	Resp	32246
Ion Ratio	Lower	Upper	
78	100		
77	25.6	18.9	28.3





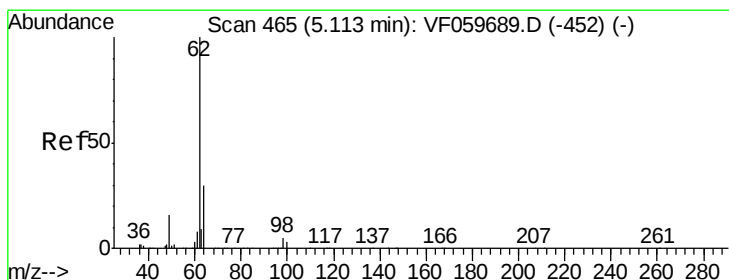
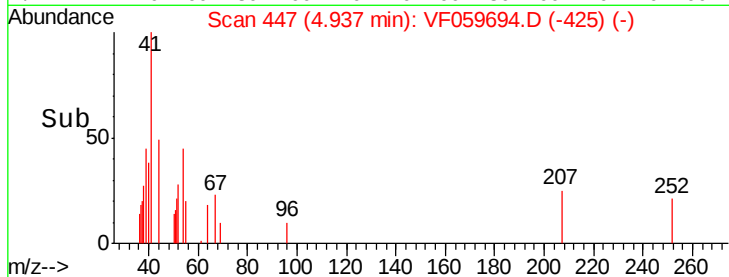
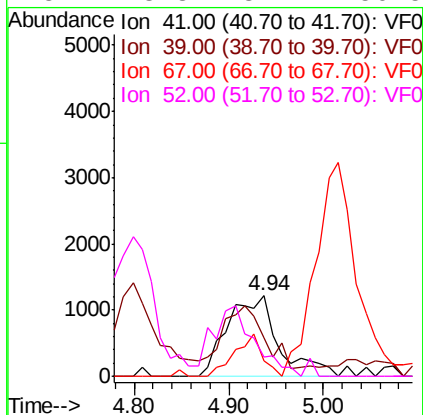
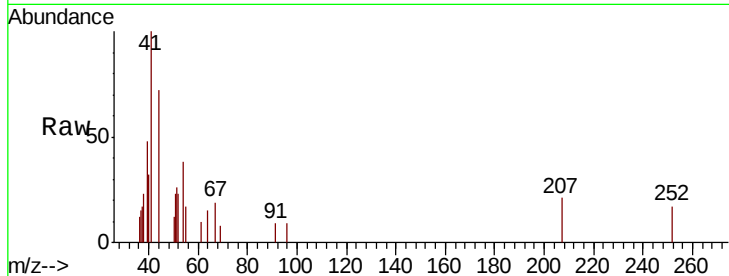
#41
Methacrylonitrile
Concen: 6.71 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.6	55.2	82.8#
67	19.2	36.2	54.2#
52	23.3	37.7	56.5#

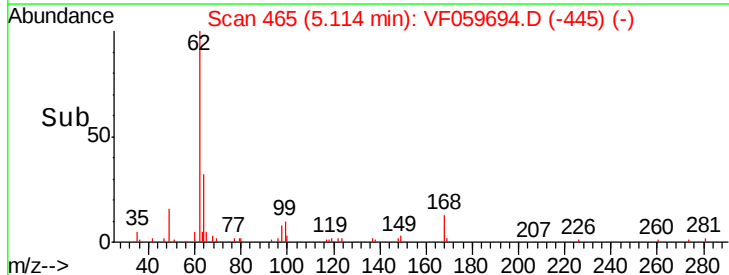
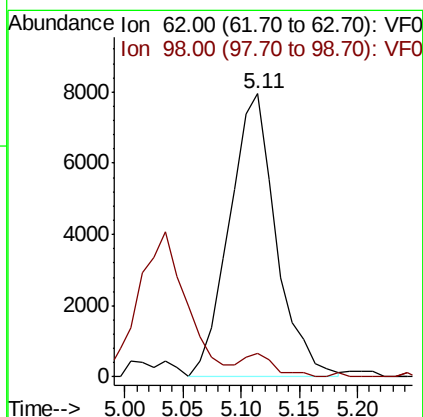
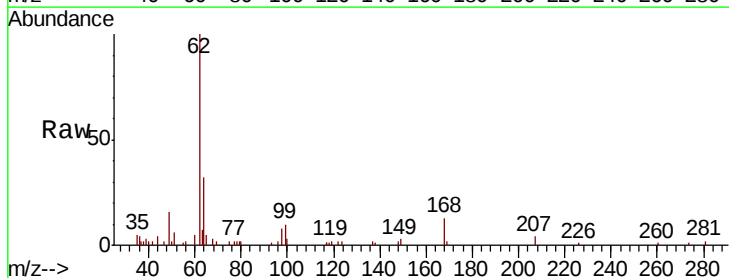
Manual Integrations
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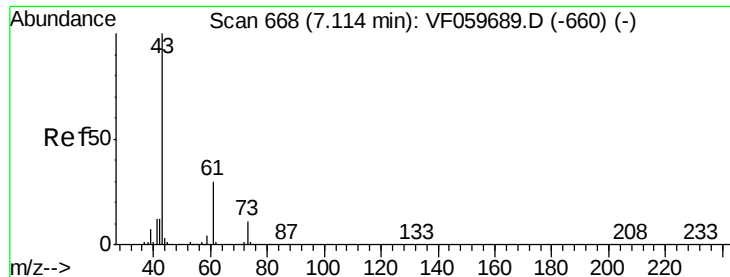
apatel
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#42
1,2-Dichloroethane
Concen: 6.05 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	9.6





#43

Isopropyl Acetate

Concen: 6.56 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

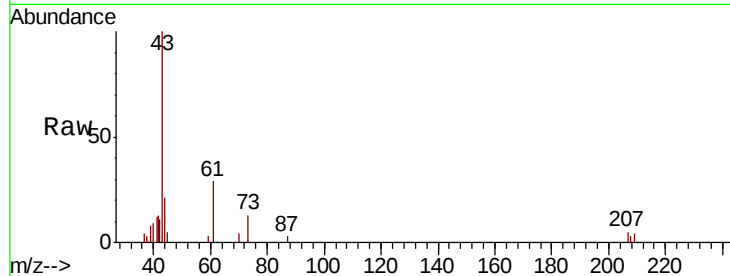
ClientSampleId :

VSTDIC005

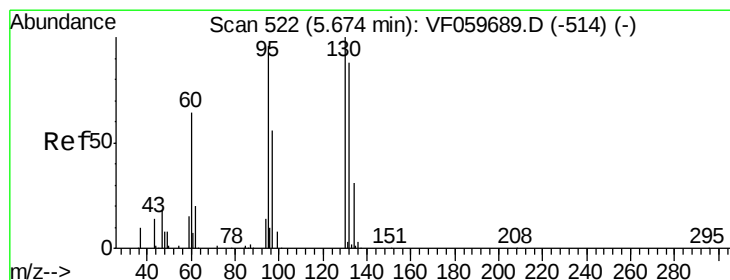
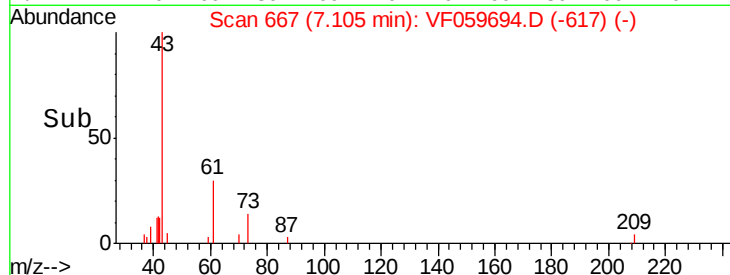
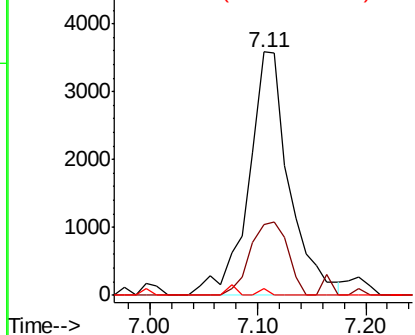
Tot Ion:	43	Resp:	9362
Ion Ratio	Lower	Upper	
43	100		
61	28.9	23.8	35.8
87	3.0	0.6	1.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 6.06 ug/l

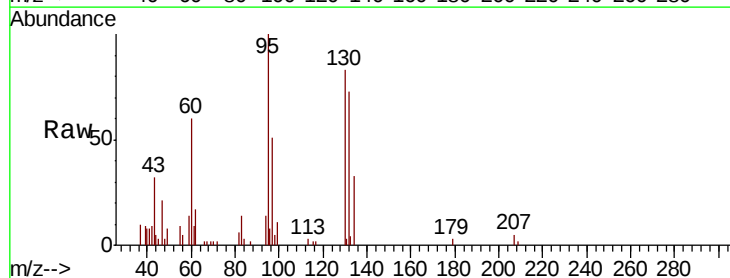
RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

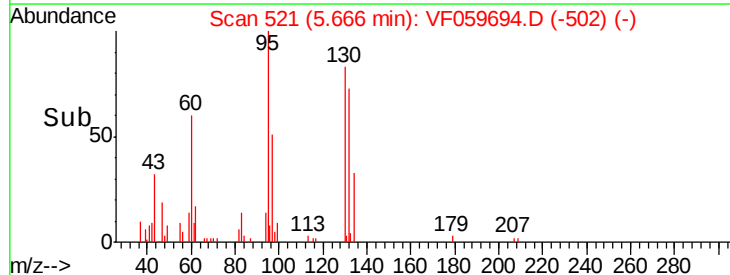
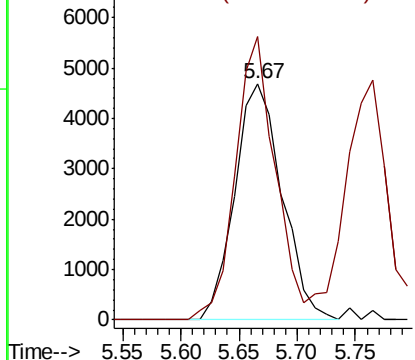
Lab File: VF059694.D

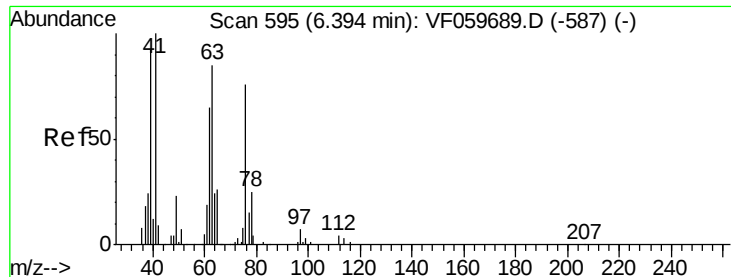
Acq: 30 Jul 2018 18:08

Tgt Ion:	130	Resp:	13181
Ion Ratio	Lower	Upper	
130	100		
95	119.9	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.53 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 8244

Ion Ratio Lower Upper

63 100

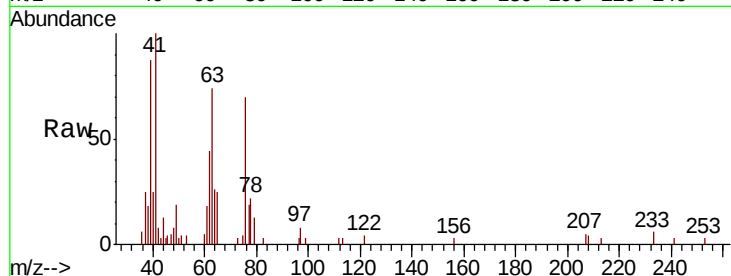
65 34.3 25.2 37.8

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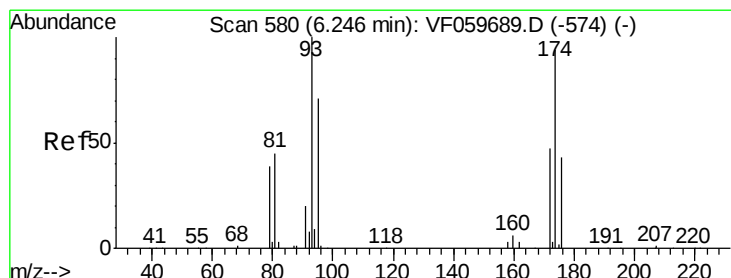
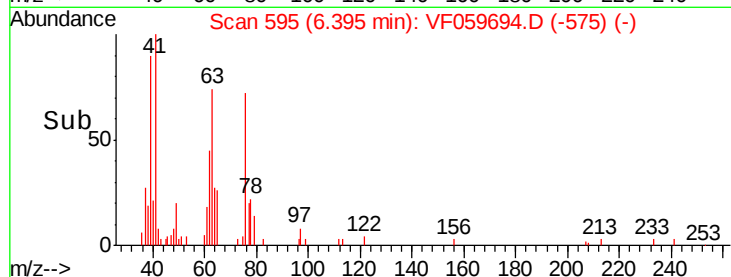
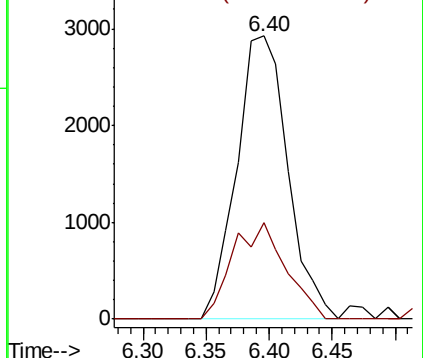
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 6.40 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

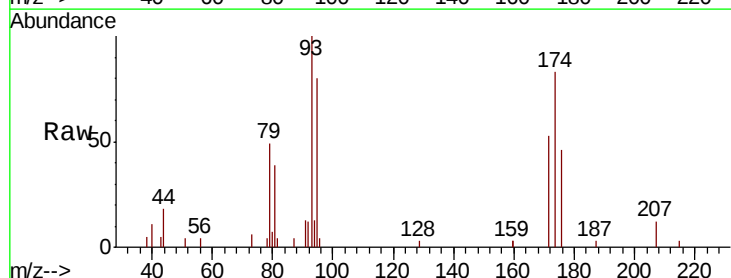
Tgt Ion: 93 Resp: 8295

Ion Ratio Lower Upper

93 100

95 83.5 57.1 85.7

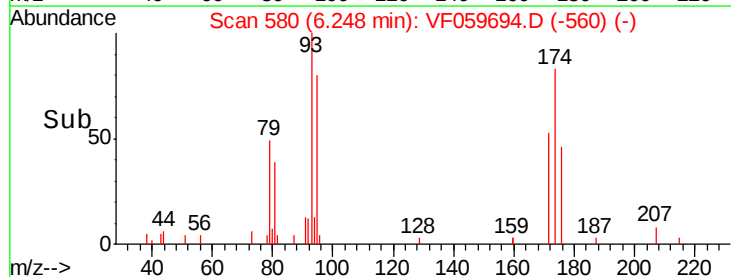
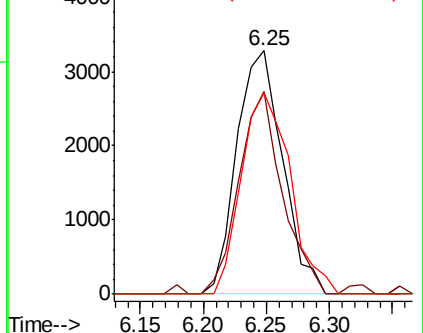
174 82.9 74.8 112.2

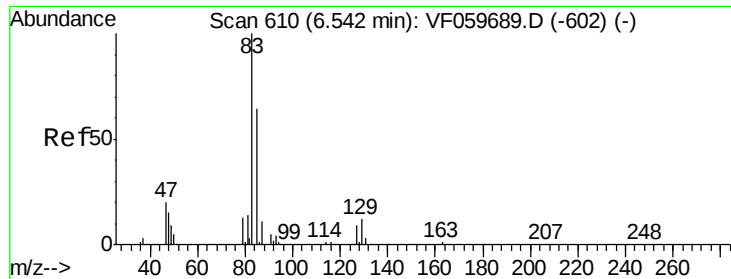


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 5.47 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

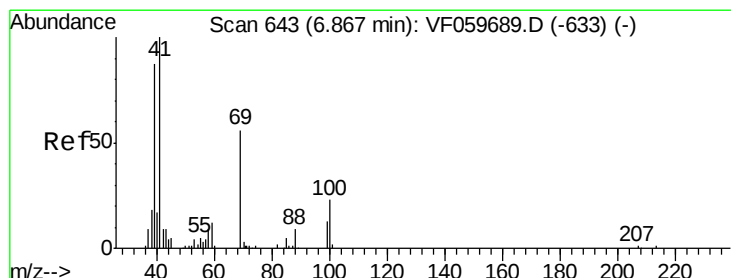
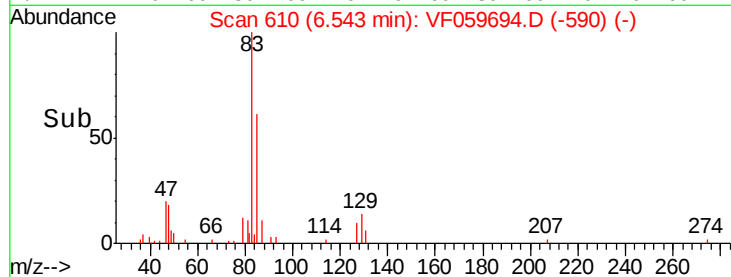
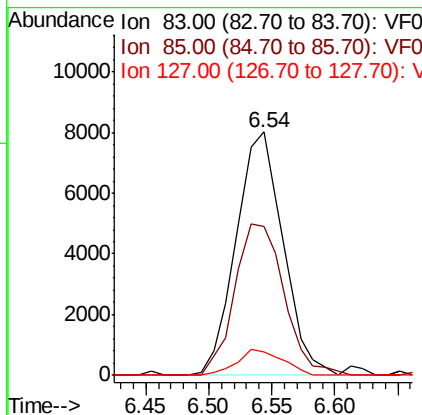
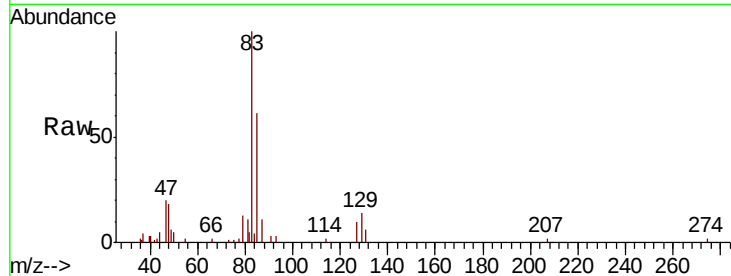
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20775
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.0	76.6
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 6.04 ug/l

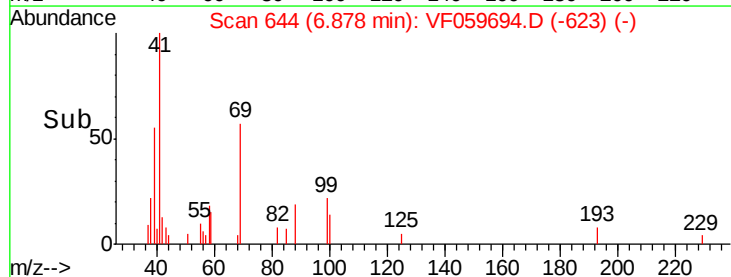
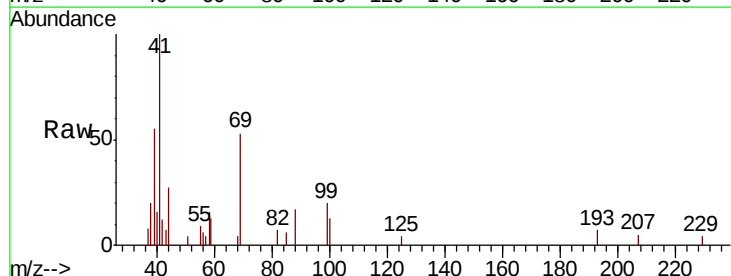
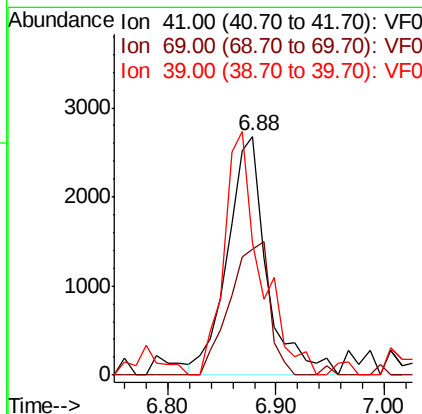
RT: 6.88 min Scan# 644

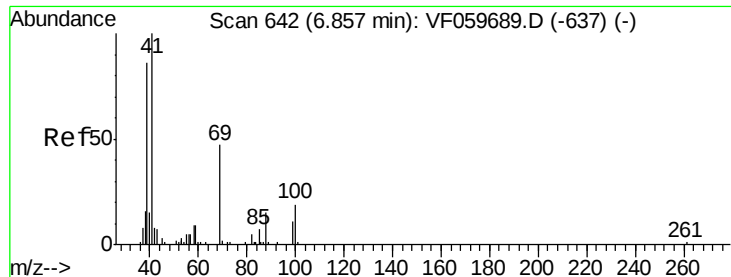
Delta R.T. 0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	41	Resp:	6769
Ion	Ratio	Lower	Upper
41	100		
69	52.6	44.4	66.6
39	55.3	69.4	104.2#





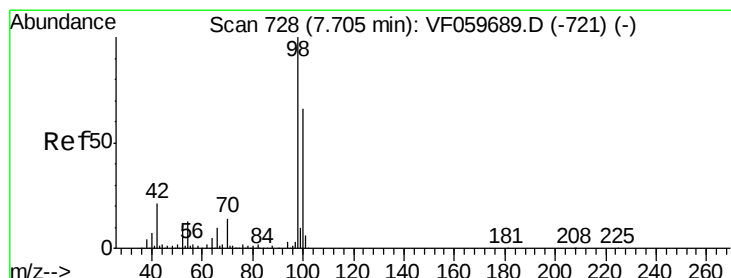
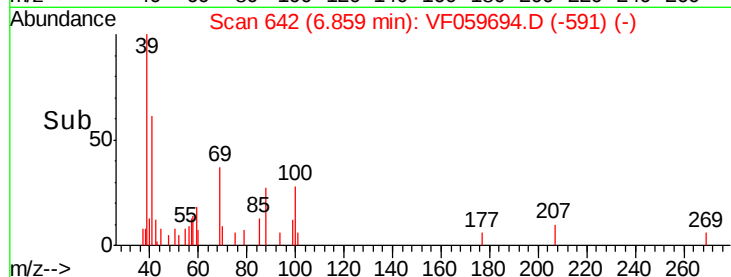
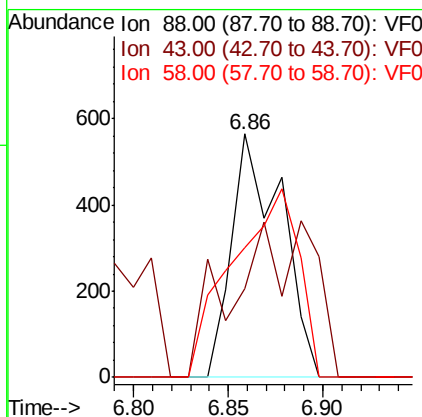
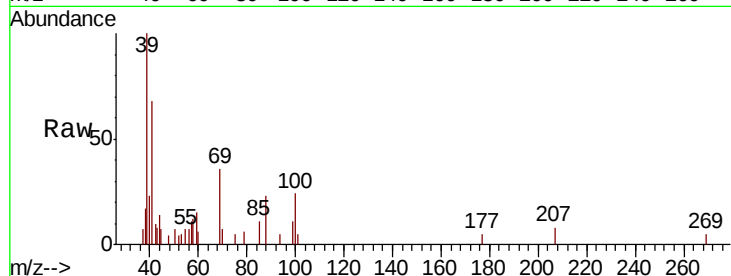
#49
 1,4-Dioxane
 Concen: 115.31 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	45.2	67.8#
58	53.5	49.0	73.6

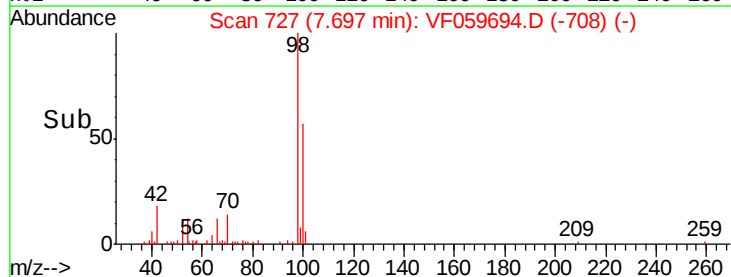
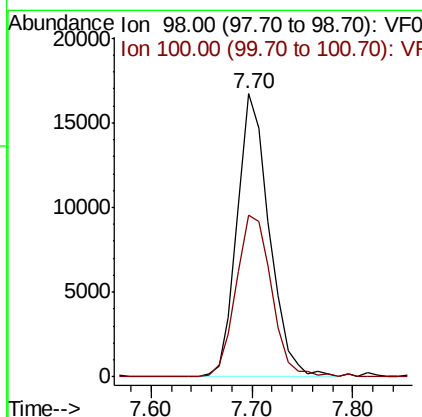
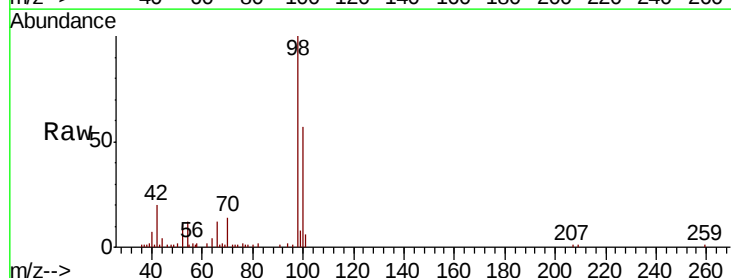
Manual Integrations
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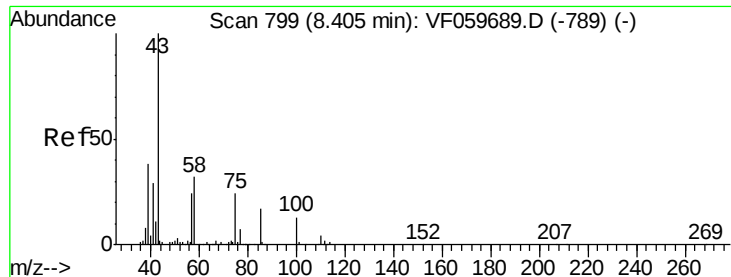
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#50
 Toluene-d8
 Concen: 5.50 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	57.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 29.33 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 33693

Ion Ratio Lower Upper

43 100

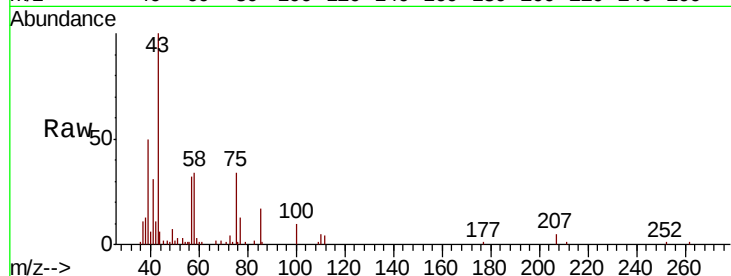
58 33.5 25.9 38.9

Manual Integrations

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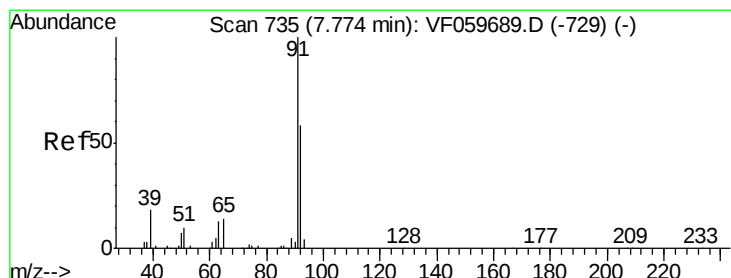
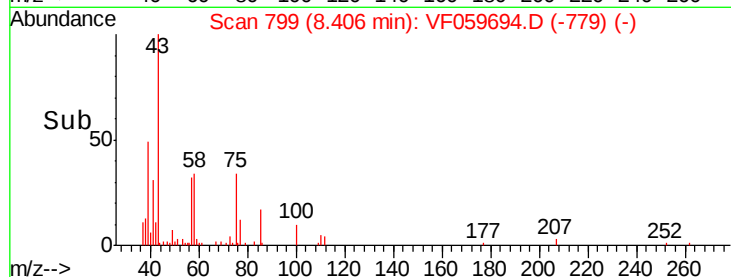
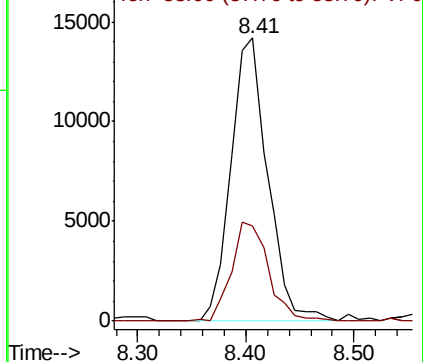
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 6.25 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059694.D

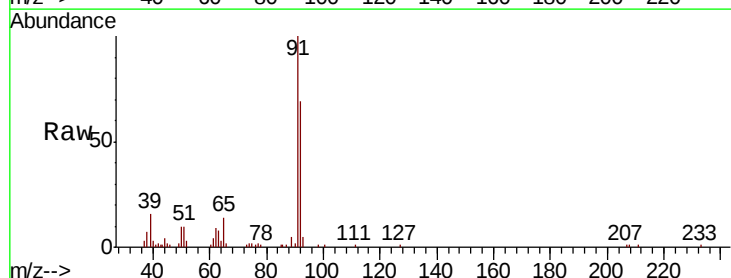
Acq: 30 Jul 2018 18:08

Tgt Ion: 92 Resp: 26075

Ion Ratio Lower Upper

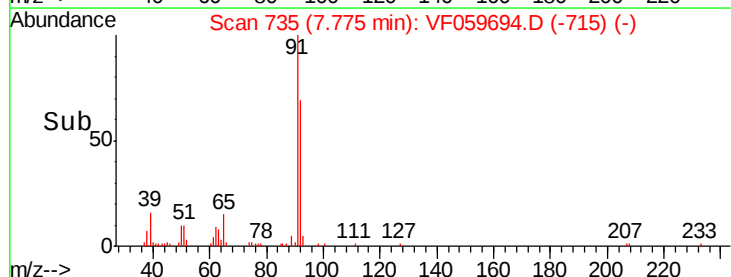
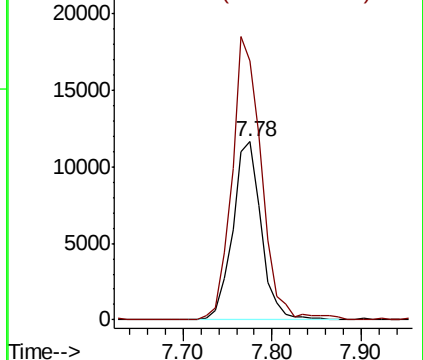
92 100

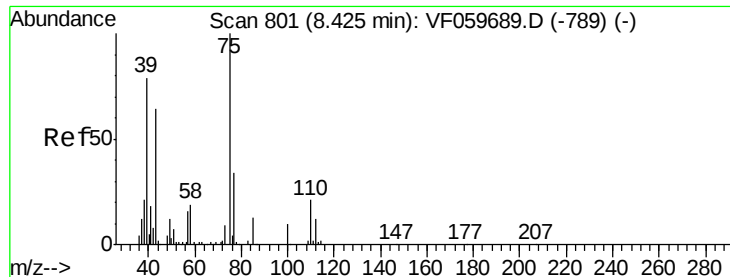
91 145.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 6.18 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 18758

Ion Ratio Lower Upper

75 100

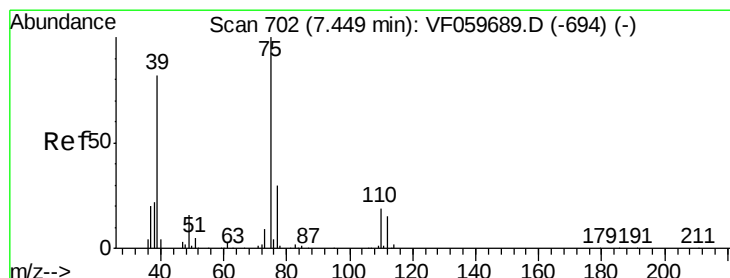
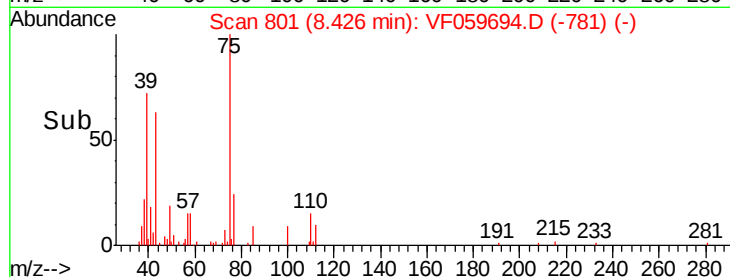
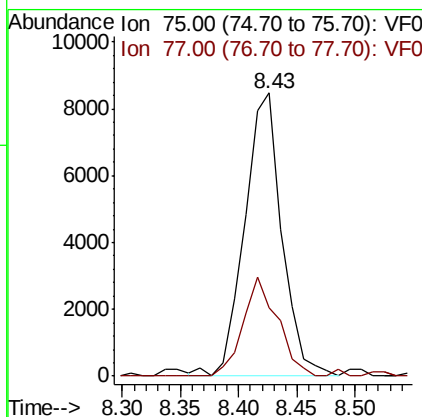
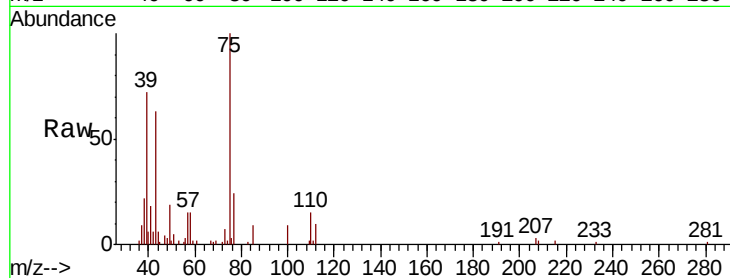
77 24.0 27.0 40.4#

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#54

cis-1,3-Dichloropropene

Concen: 5.62 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

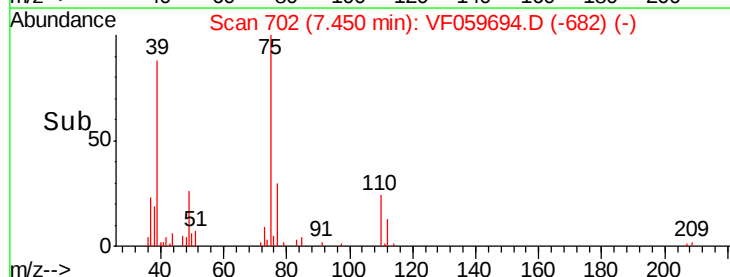
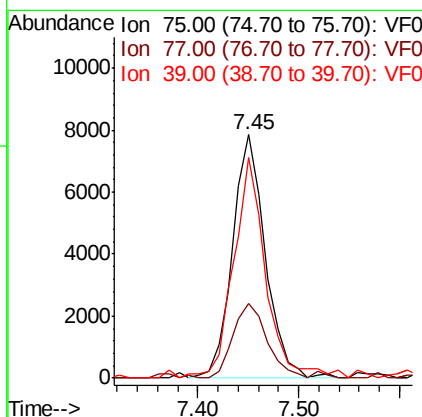
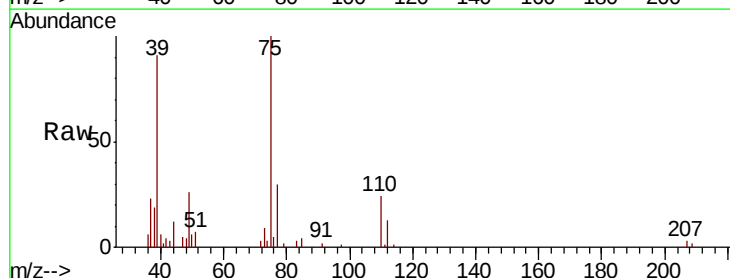
Tgt Ion: 75 Resp: 17719

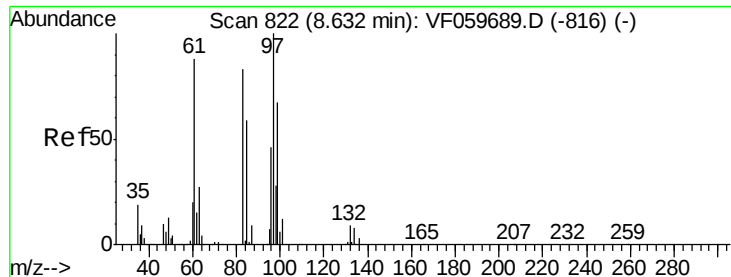
Ion Ratio Lower Upper

75 100

77 30.5 24.0 36.0

39 90.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 6.05 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

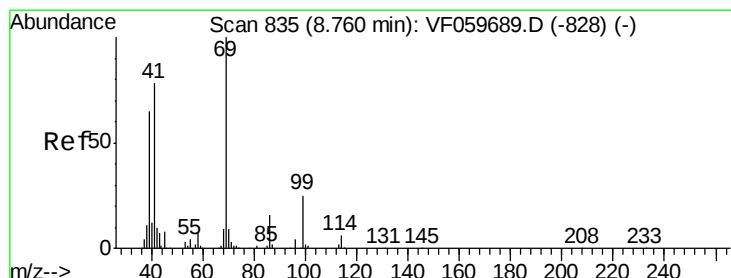
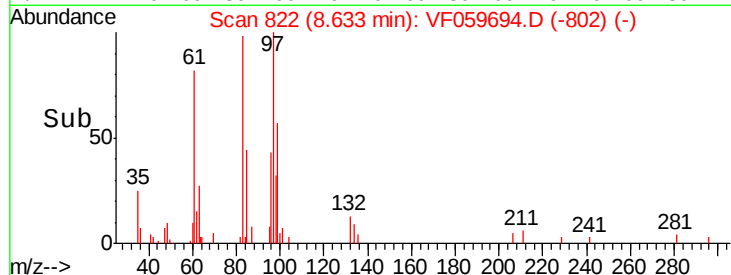
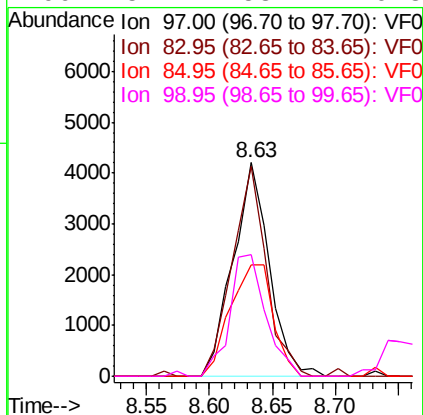
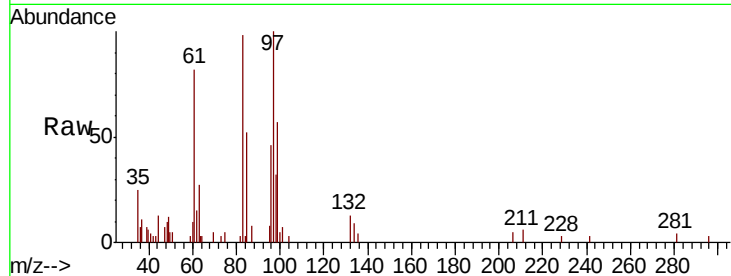
VSTDIC005

Tot Ion:	97	Resp:	8382
Ion	Ratio	Lower	Upper
97	100		
83	98.1	66.6	100.0
85	52.2	47.4	71.0
99	57.1	53.2	79.8

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#56

Ethyl methacrylate

Concen: 5.27 ug/l

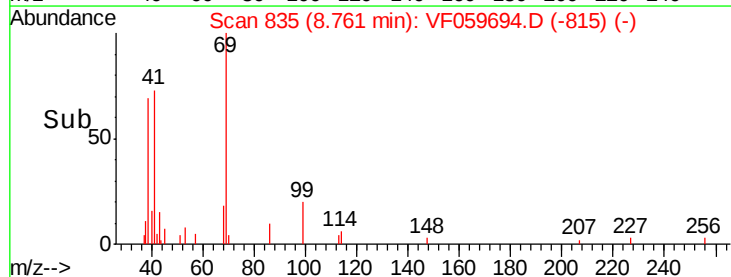
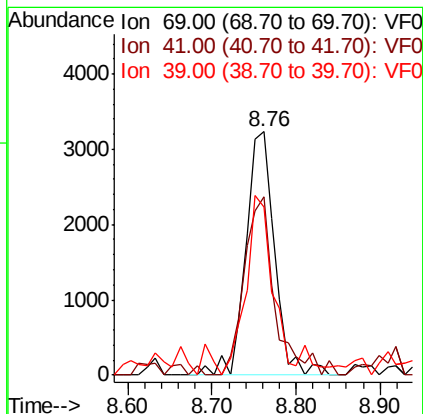
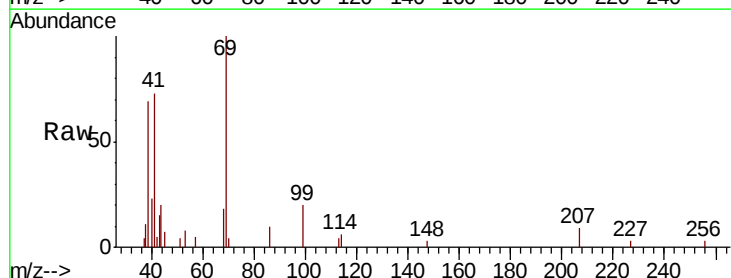
RT: 8.76 min Scan# 835

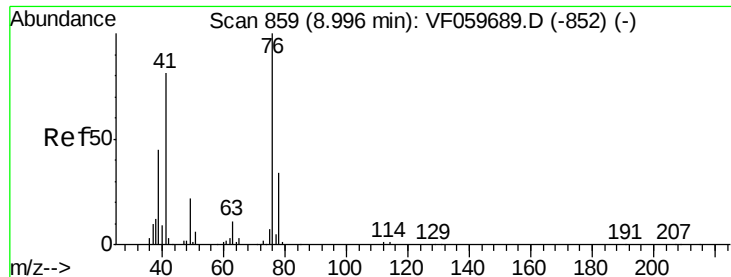
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	69	Resp:	7733
Ion	Ratio	Lower	Upper
69	100		
41	73.4	62.3	93.5
39	68.8	52.4	78.6





#57

1,3-Dichloropropane

Concen: 5.97 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 14306

Ion Ratio Lower Upper

76 100

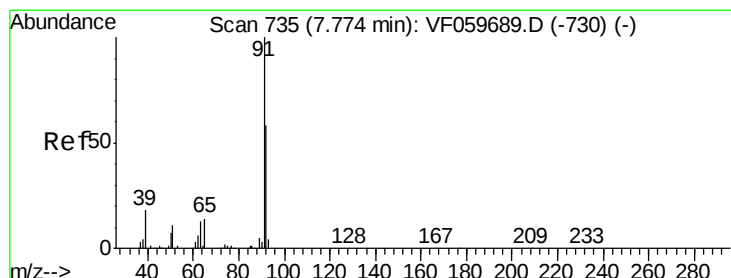
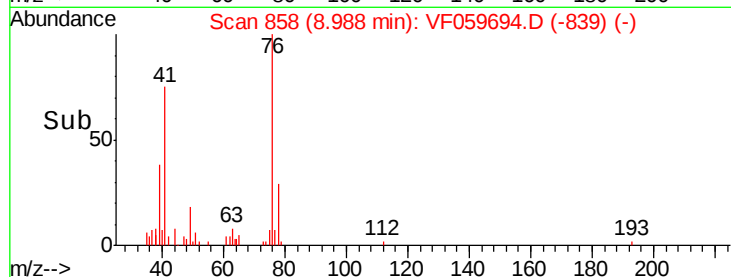
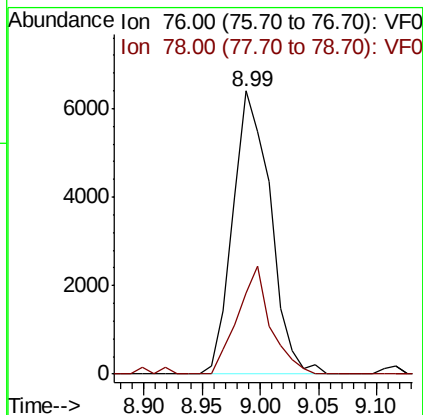
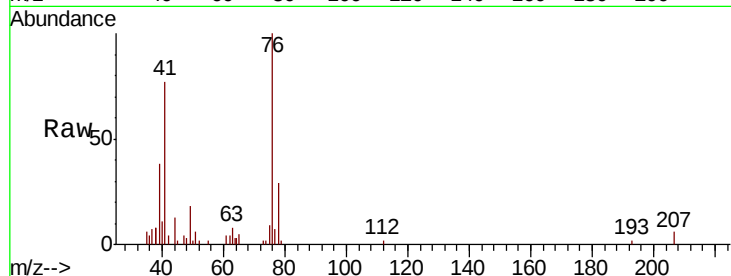
78 28.5 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 29.42 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059694.D

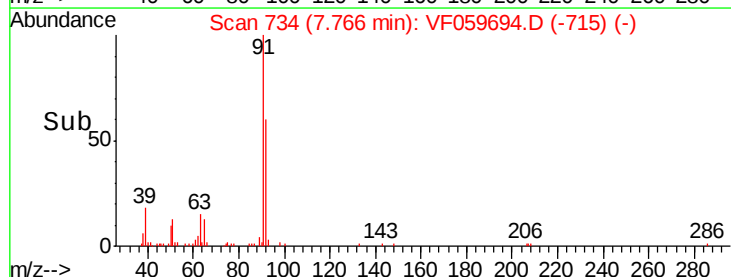
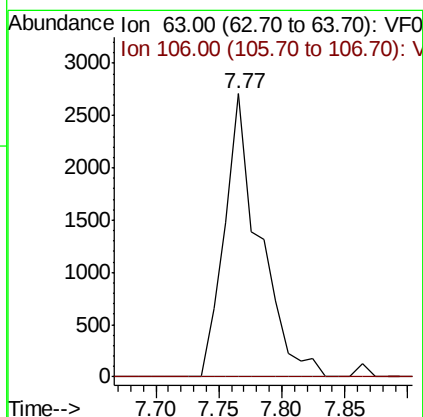
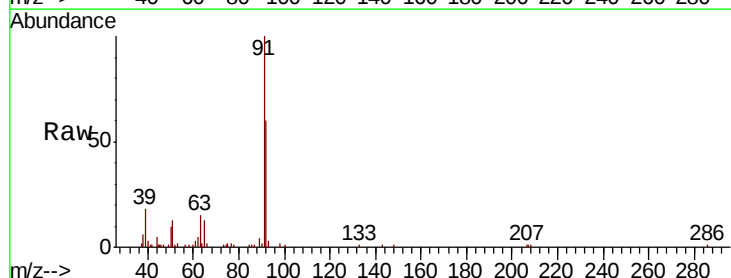
Acq: 30 Jul 2018 18:08

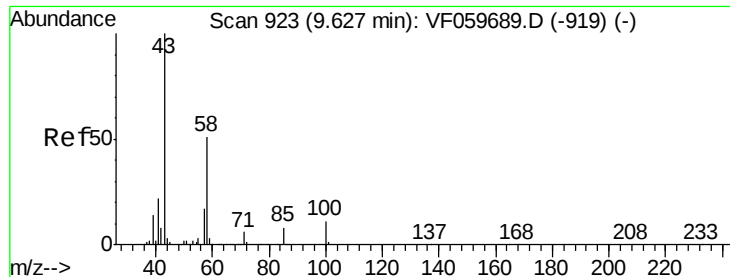
Tgt Ion: 63 Resp: 5216

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





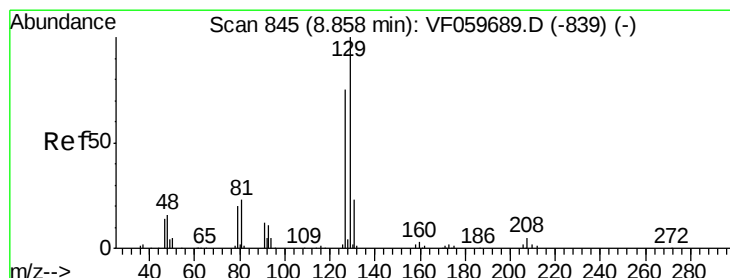
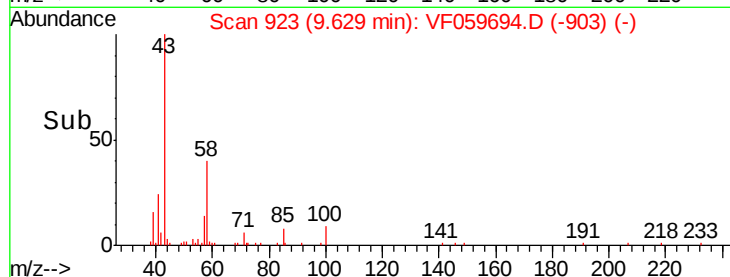
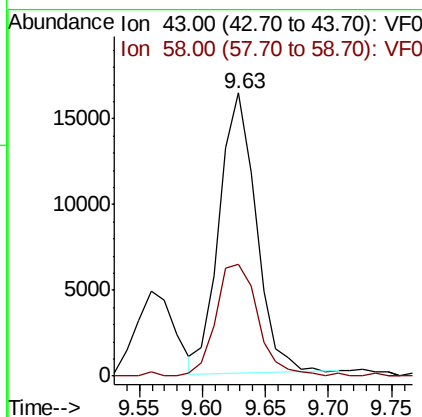
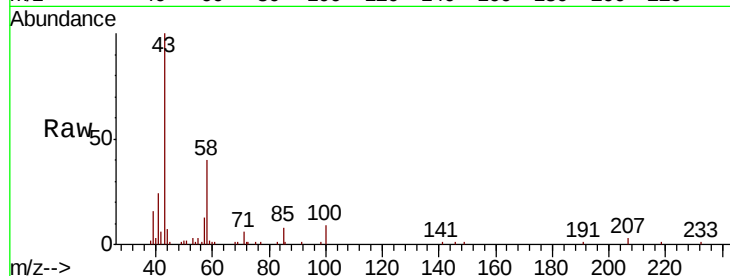
#59
2-Hexanone
Concen: 38.68 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	23.3	69.8

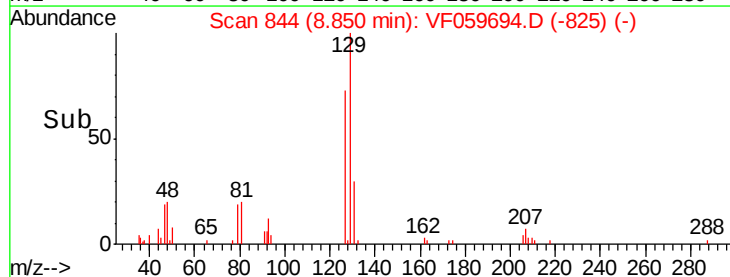
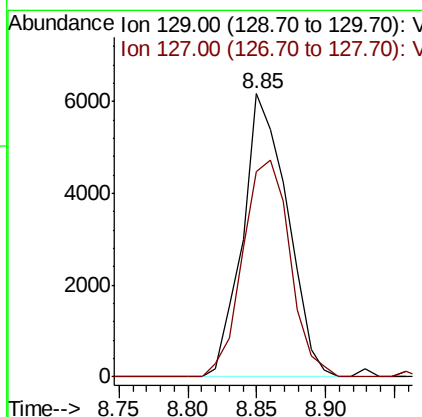
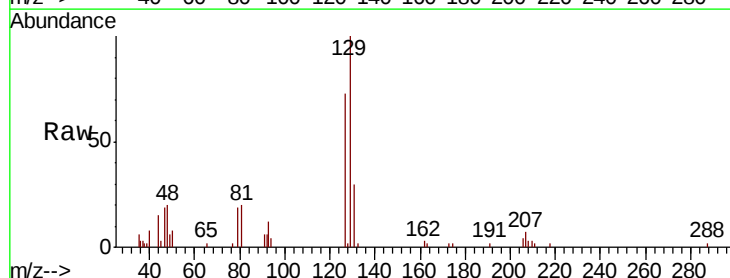
Manual Integrations
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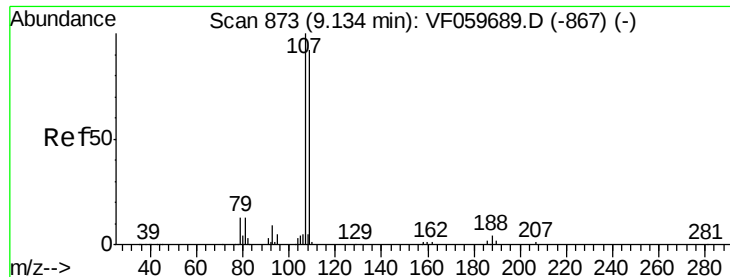
apatel
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#60
Dibromochloromethane
Concen: 5.60 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.4	37.7	113.1





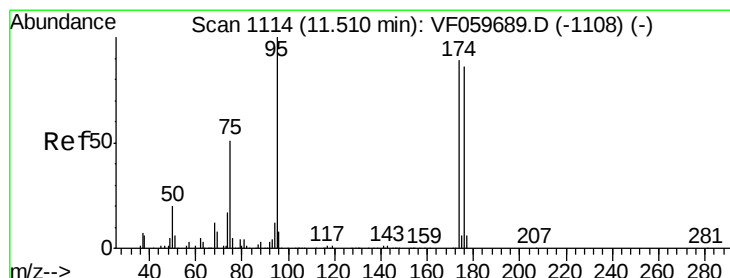
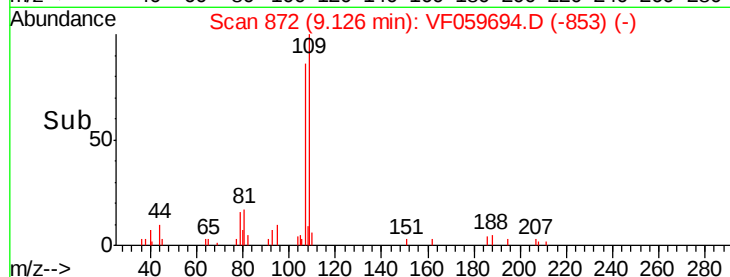
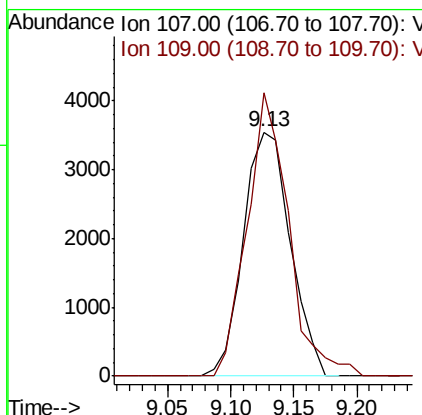
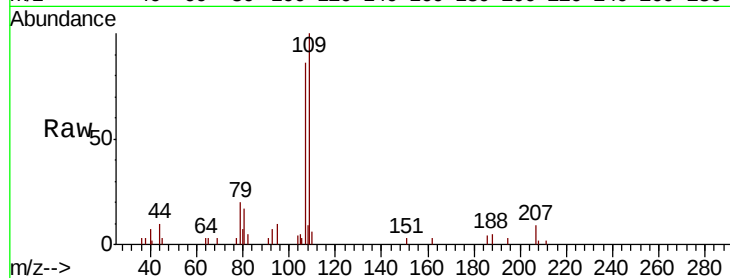
#61
 1,2-Dibromoethane
 Concen: 5.49 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	116.0	73.6	110.4#

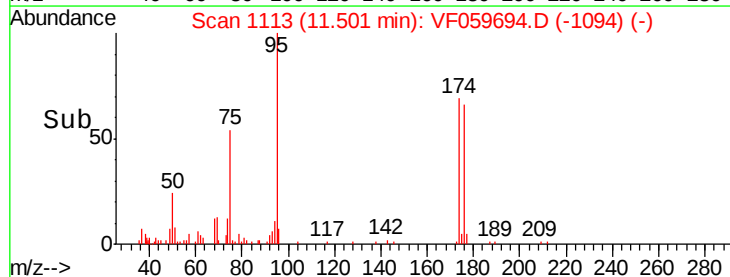
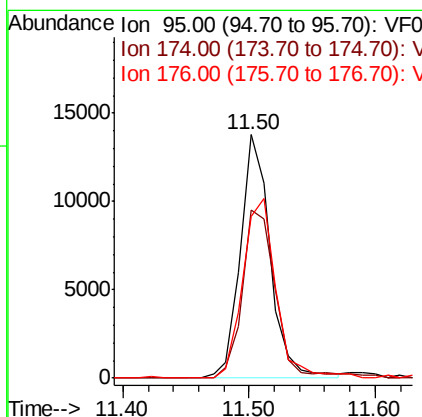
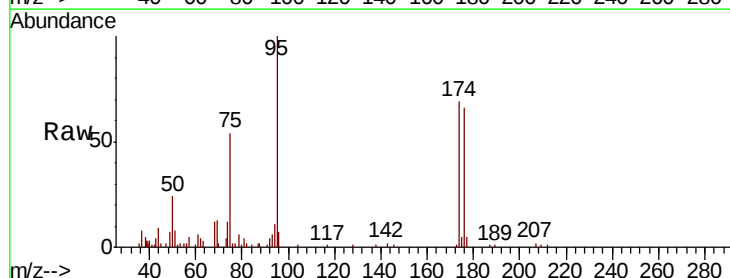
Manual Integrations
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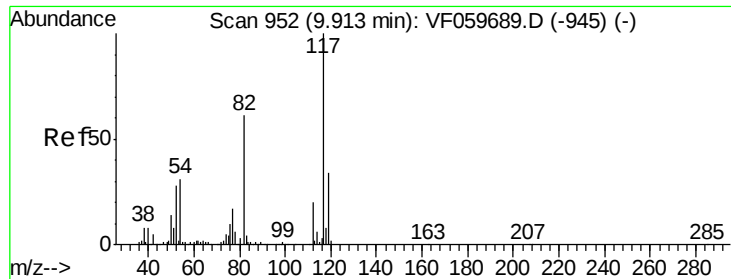
apatel
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#62
 4-Bromofluorobenzene
 Concen: 6.21 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	178.4
176	66.3	0.0	173.0





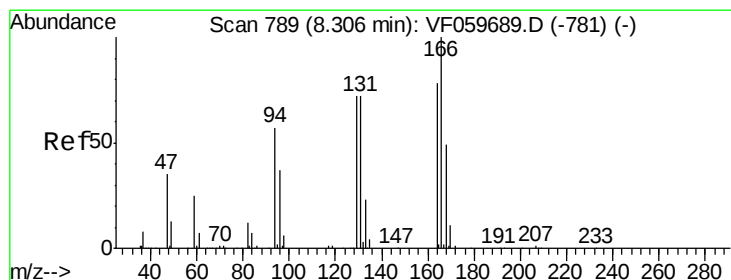
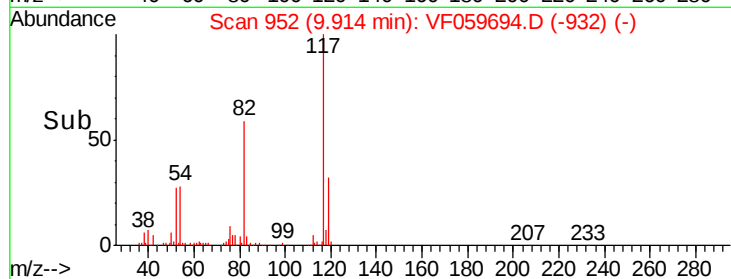
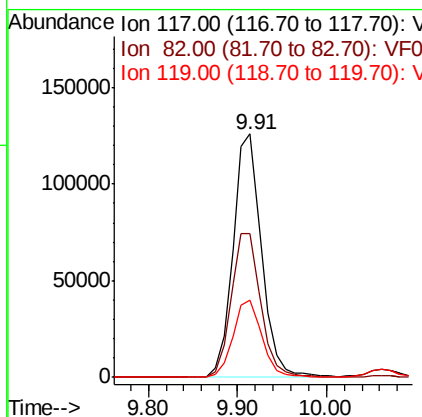
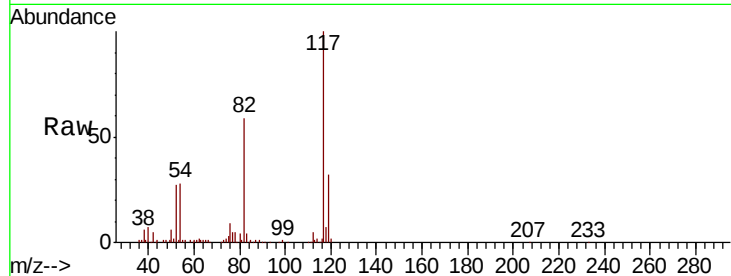
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.0	73.4
119	31.5	27.3	40.9

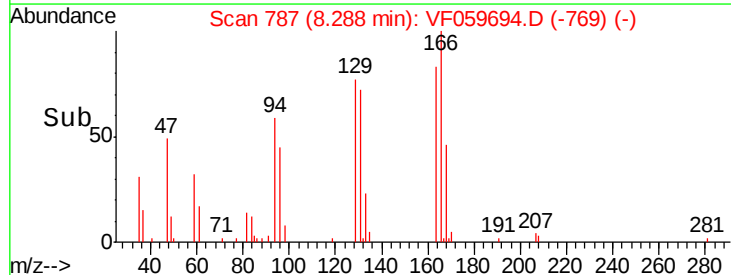
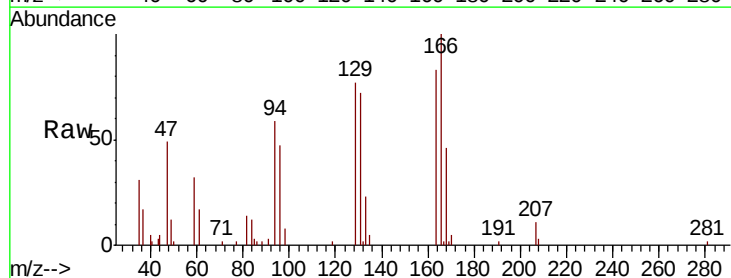
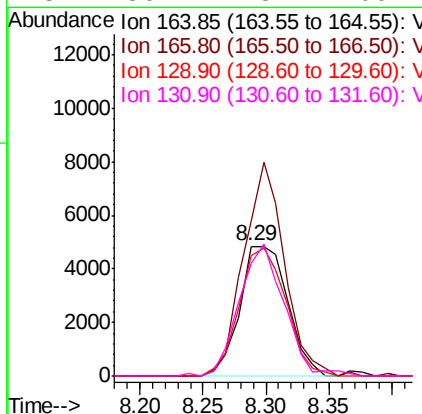
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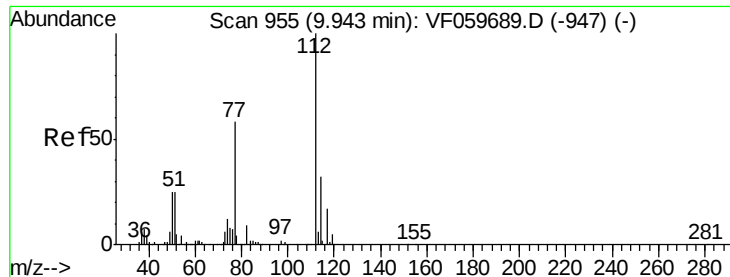
apatel
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#64
Tetrachloroethene
Concen: 5.72 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.8	102.1	153.1
129	92.5	73.8	110.6
131	86.7	73.1	109.7





#65

Chlorobenzene

Concen: 6.17 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 33744

Ion Ratio Lower Upper

112 100

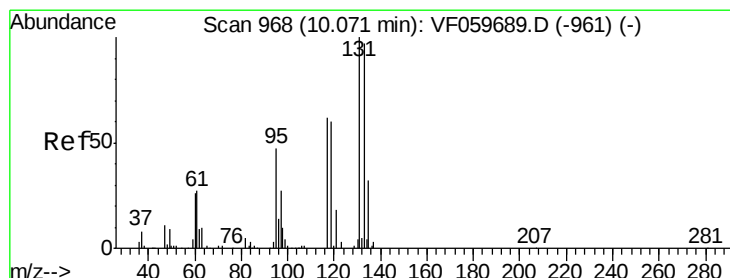
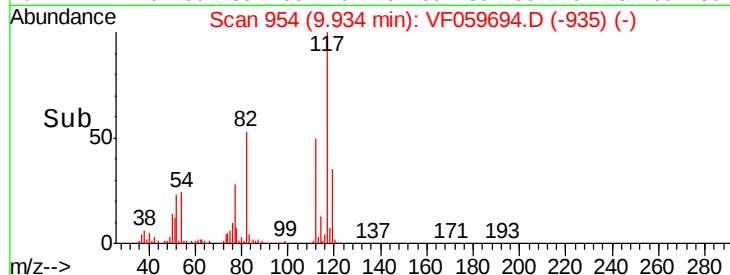
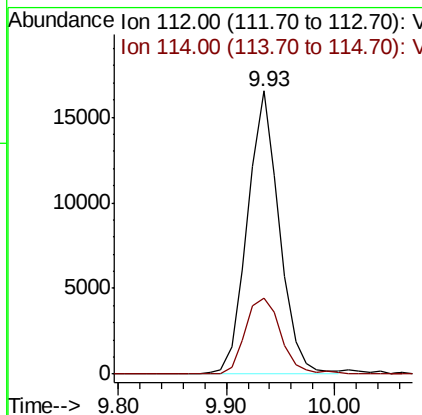
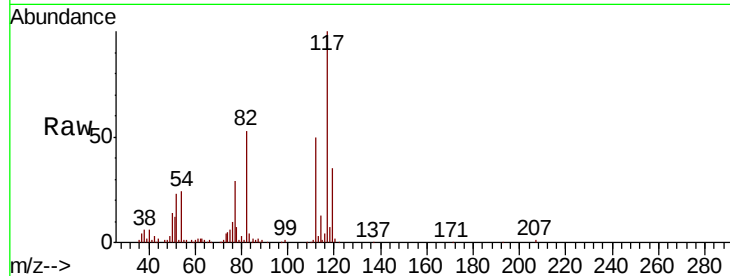
114 26.9 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.80 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

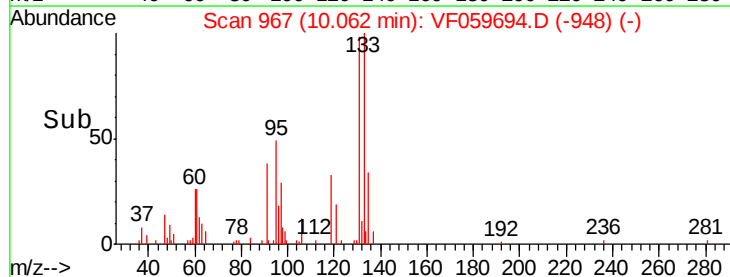
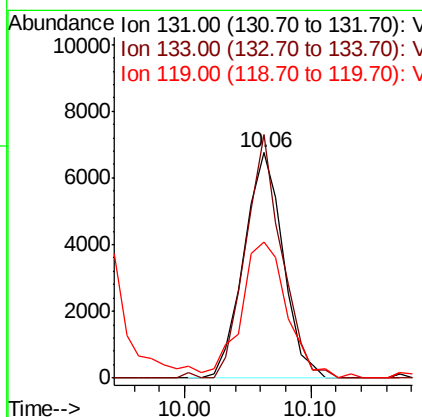
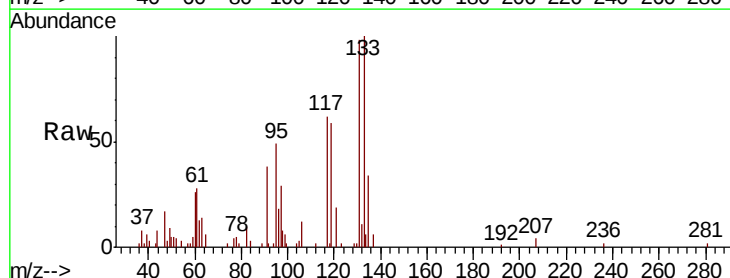
Tgt Ion:131 Resp: 14607

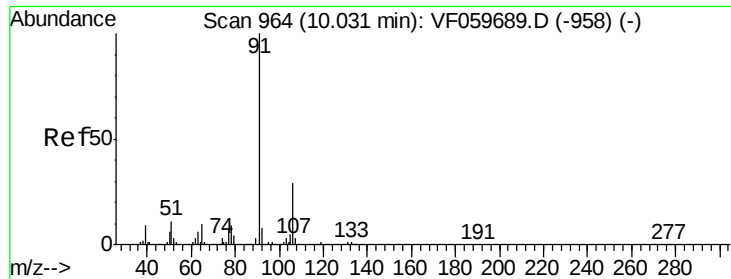
Ion Ratio Lower Upper

131 100

133 108.0 48.5 145.5

119 60.3 30.3 90.8





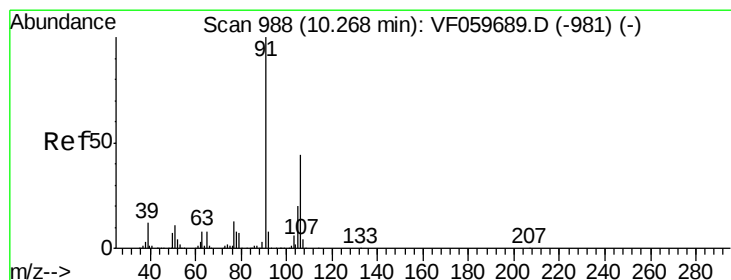
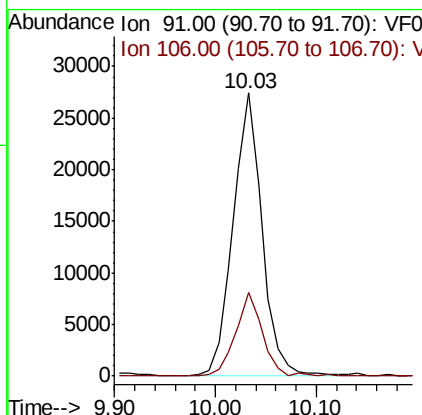
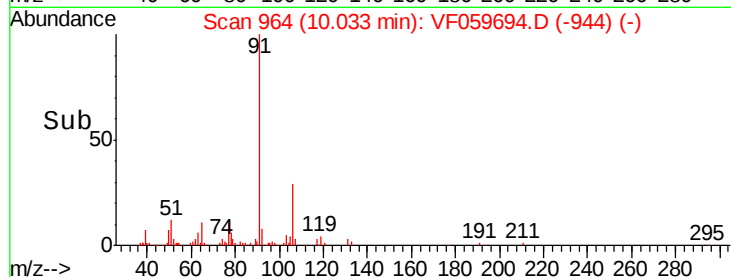
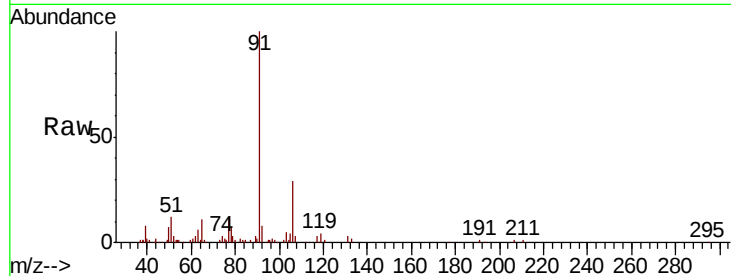
#67
Ethyl Benzene
Concen: 5.52 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 54785
Ion Ratio Lower Upper
91 100
106 29.4 22.9 34.3

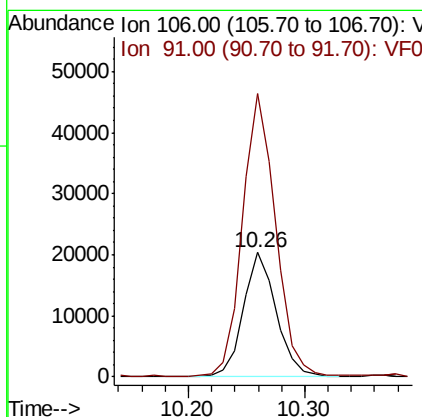
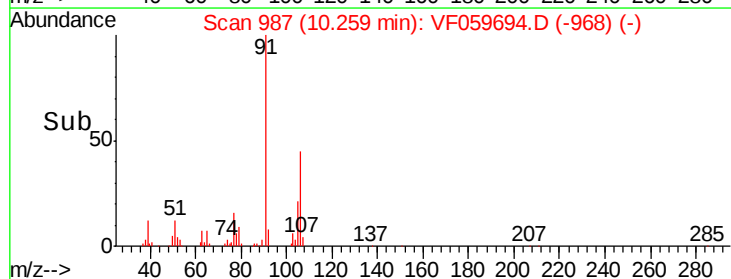
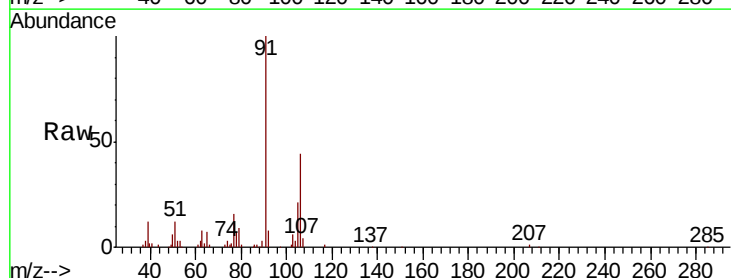
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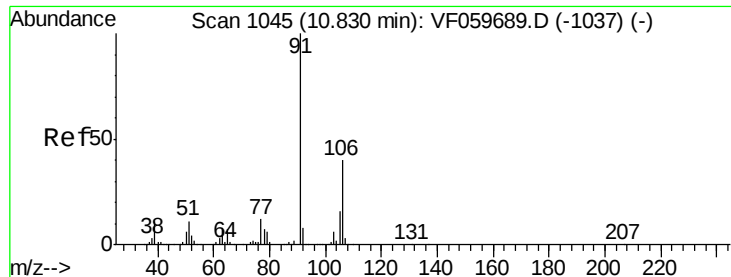
apatel
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#68
m/p-Xylenes
Concen: 11.67 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion: 106 Resp: 40059
Ion Ratio Lower Upper
106 100
91 228.2 181.7 272.5





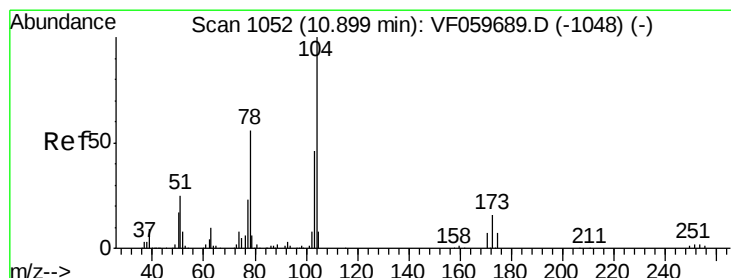
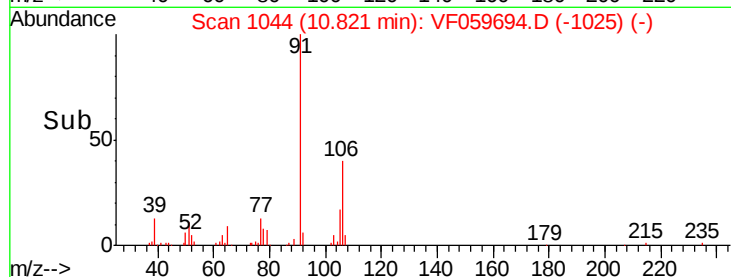
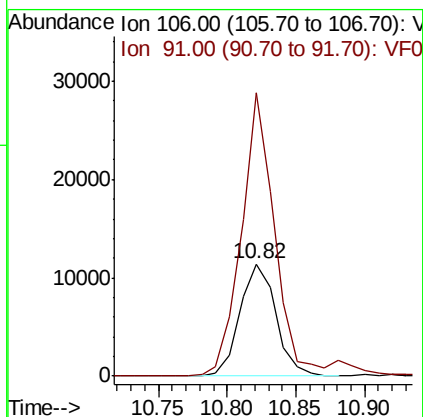
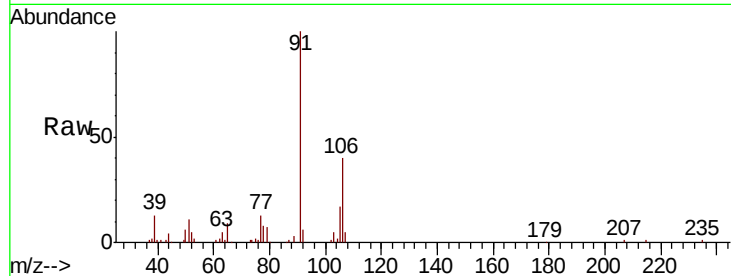
#69
o-Xylene
Concen: 5.63 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 20890
Ion Ratio Lower Upper
106 100
91 252.5 124.6 373.7

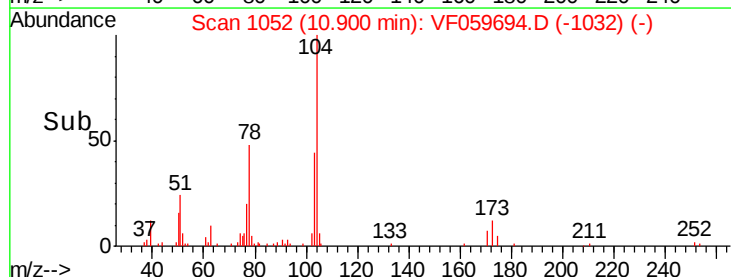
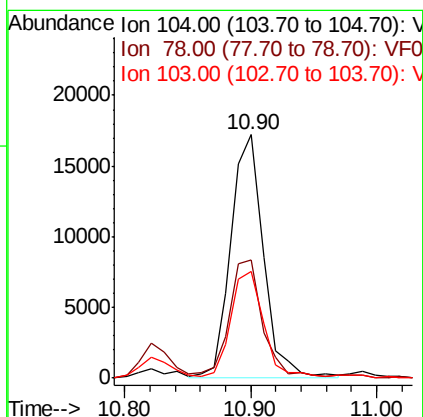
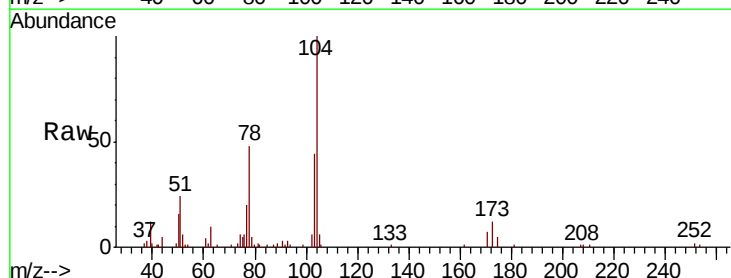
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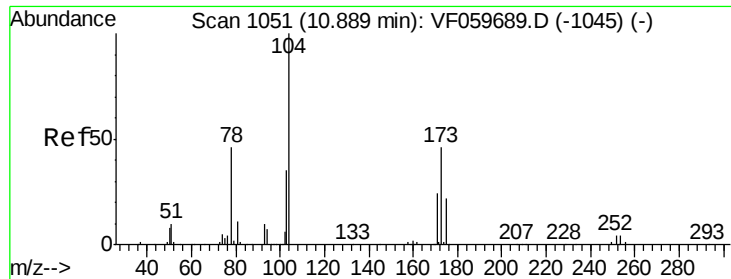
apatel
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#70
Styrene
Concen: 5.75 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion:104 Resp: 31030
Ion Ratio Lower Upper
104 100
78 48.5 45.3 67.9
103 43.9 36.6 54.8





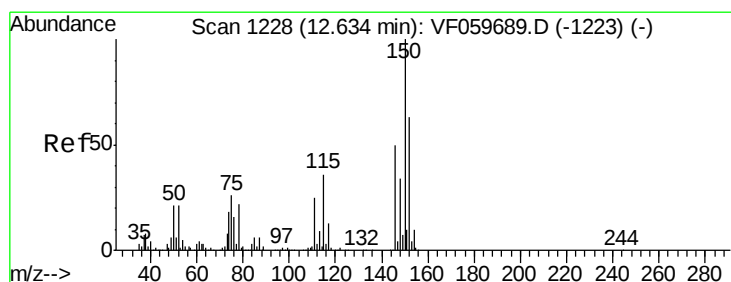
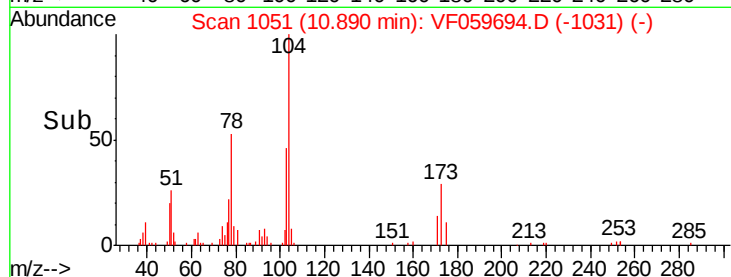
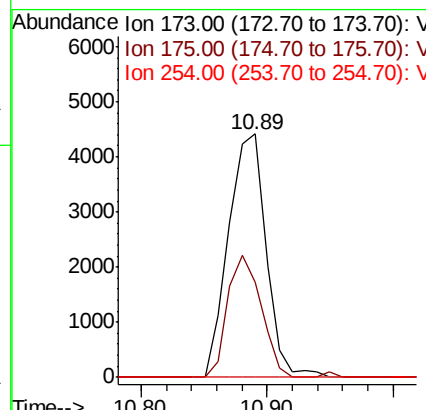
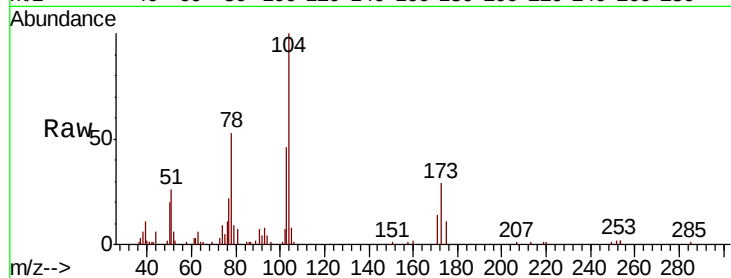
#71
Bromoform
Concen: 5.87 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	39.3	23.4	70.0
254	0.0	0.0	0.0

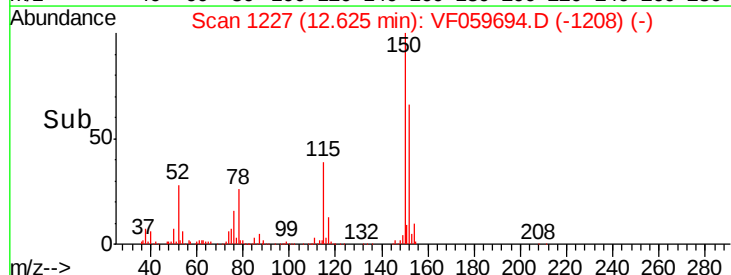
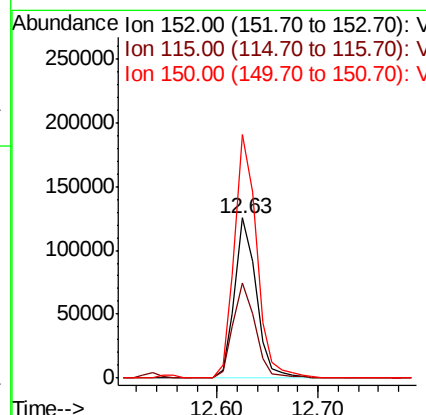
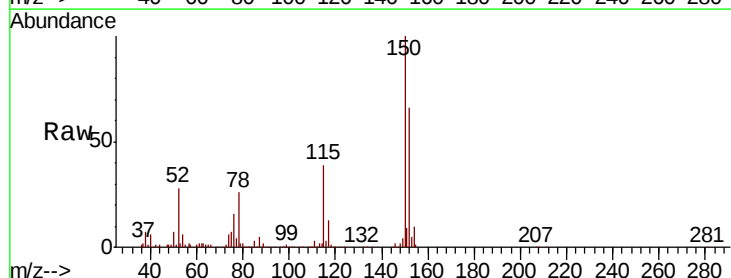
Manual Integrations
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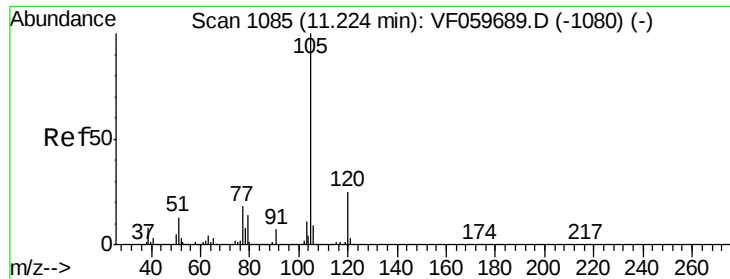
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	28.2	84.6
150	152.2	0.0	316.2





#73

Isopropylbenzene

Concen: 5.05 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 65222

Ion Ratio Lower Upper

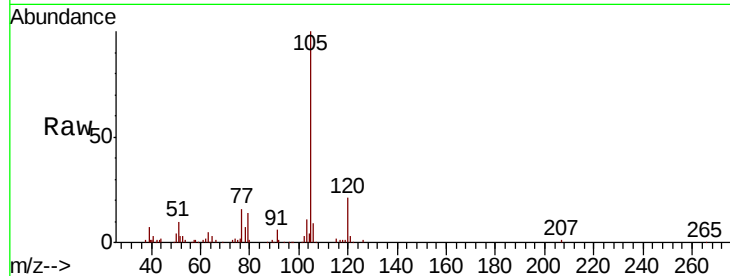
105 100

120 21.1 12.4 37.4

Manual Integrations
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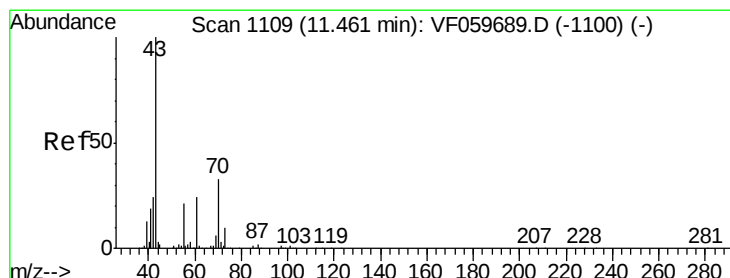
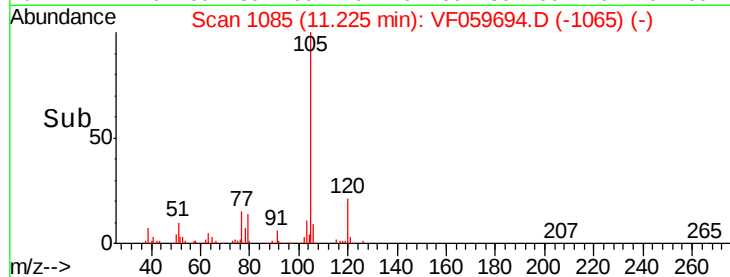
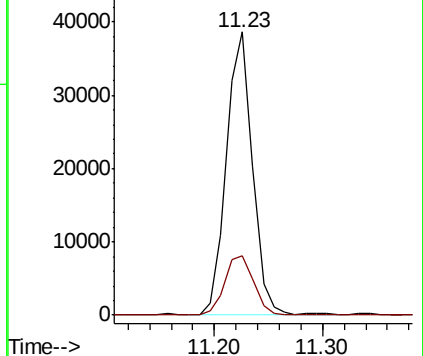
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 7.22 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion: 43 Resp: 19087

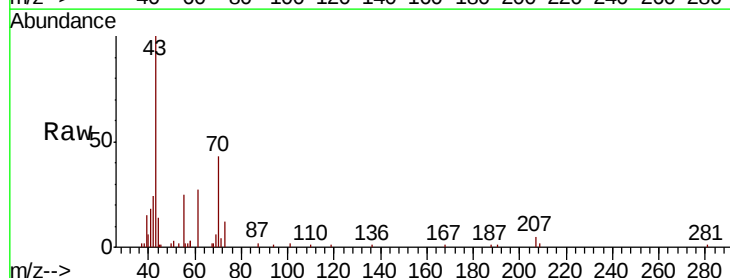
Ion Ratio Lower Upper

43 100

70 43.2 26.3 39.5#

55 25.0 16.6 25.0#

61 26.9 19.1 28.7

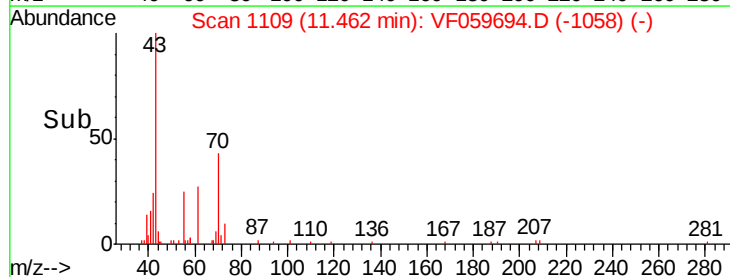
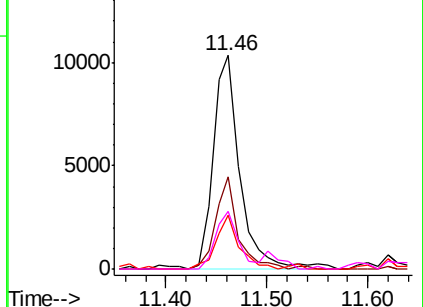


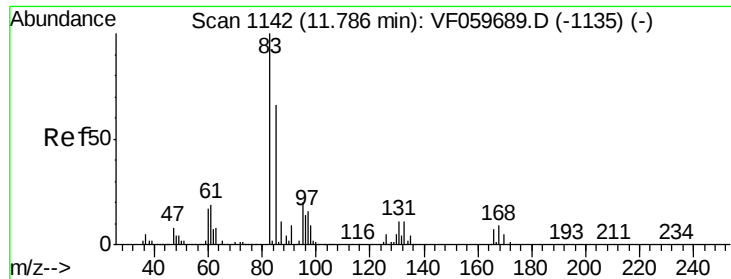
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.22 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

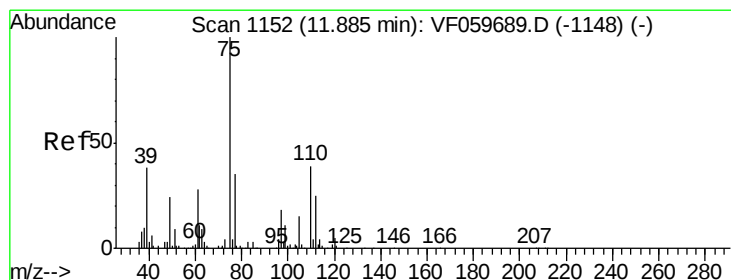
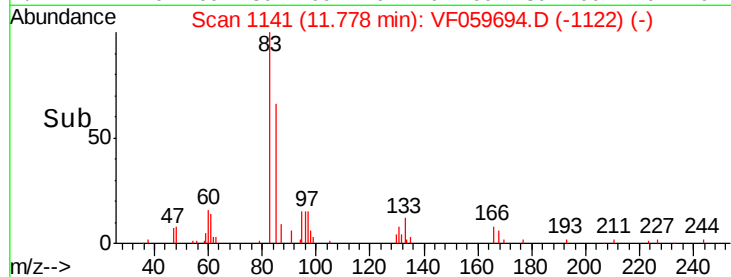
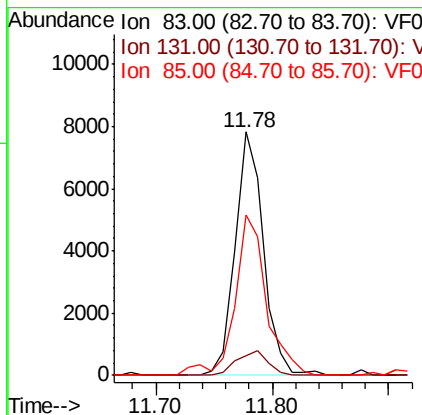
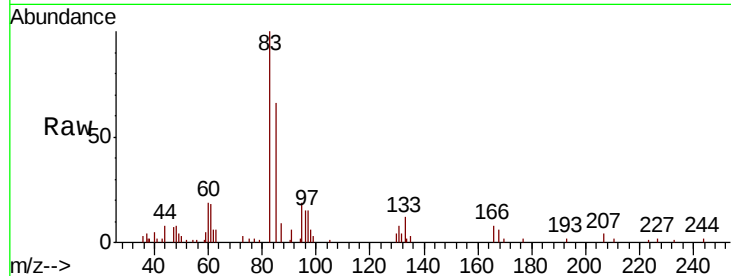
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13178
Ion Ratio	Lower	Upper	
83	100		
131	8.2	5.8	17.3
85	66.0	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 6.72 ug/l

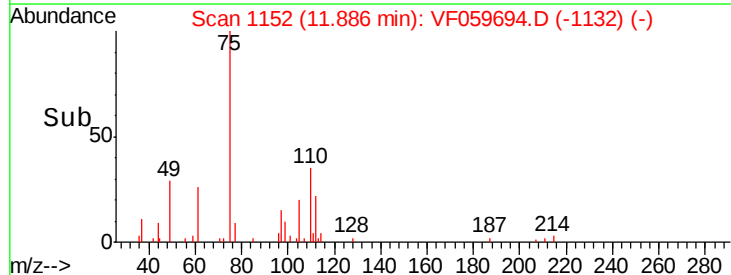
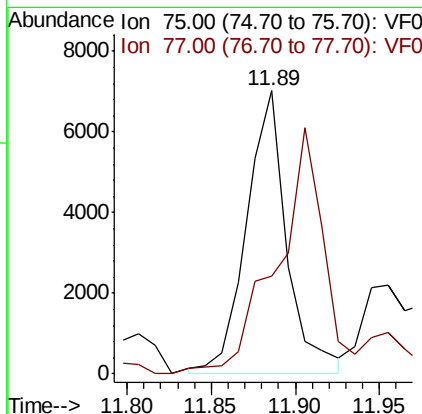
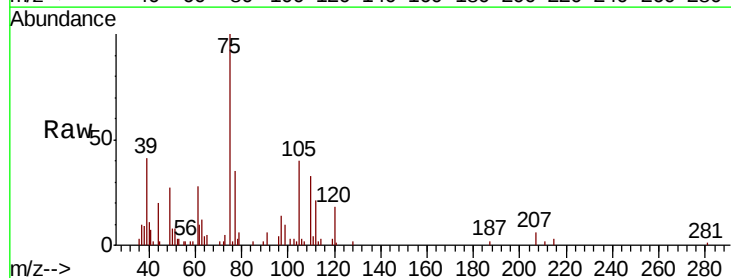
RT: 11.89 min Scan# 1152

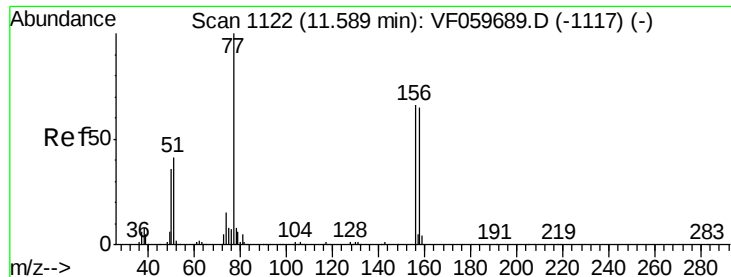
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	75	Resp:	11700
Ion Ratio	Lower	Upper	
75	100		
77	34.6	18.0	54.0





#77

Bromobenzene

Concen: 5.79 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

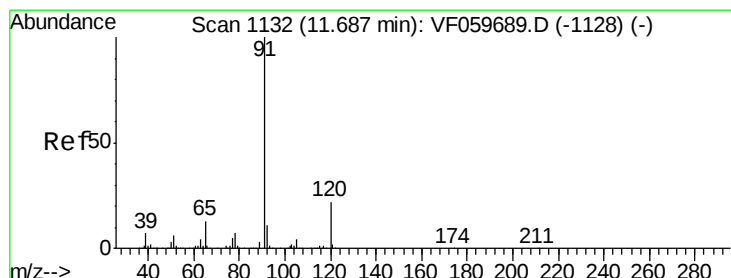
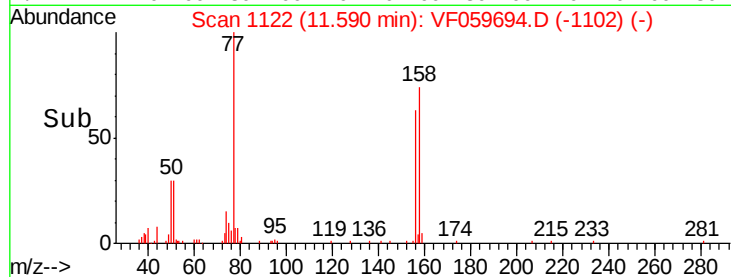
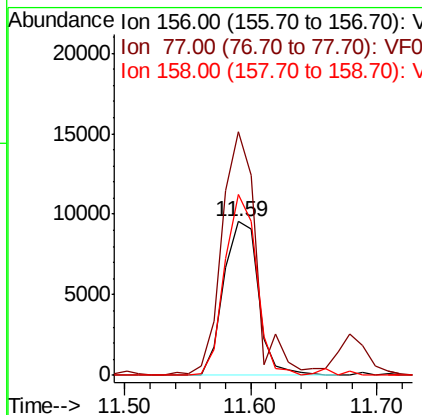
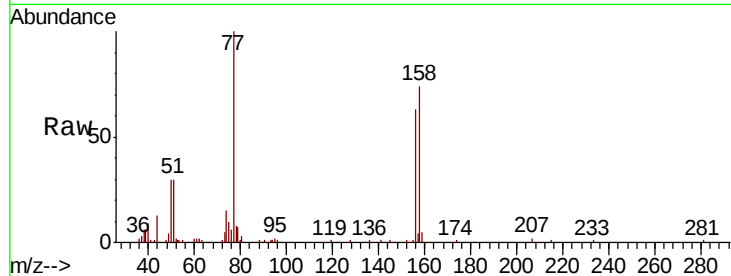
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	158.2	75.2	225.6	
158	117.1	49.1	147.3	

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#78

n-propylbenzene

Concen: 5.33 ug/l

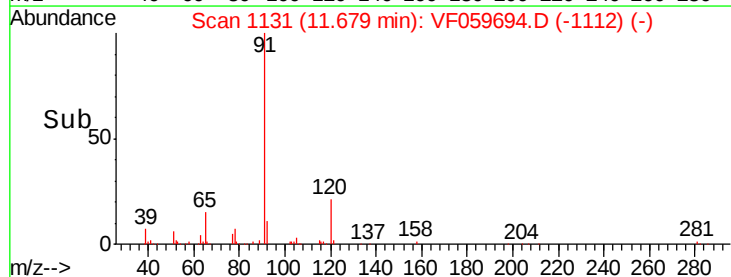
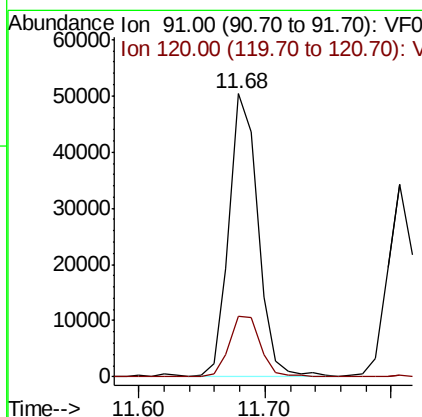
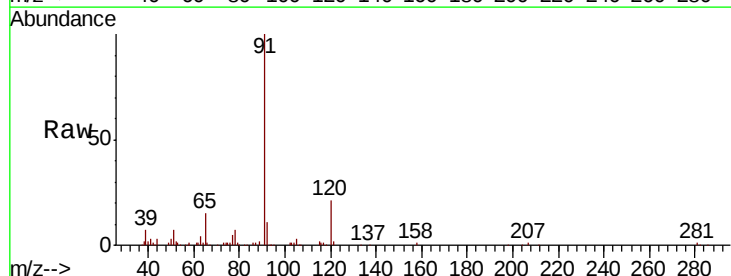
RT: 11.68 min Scan# 1131

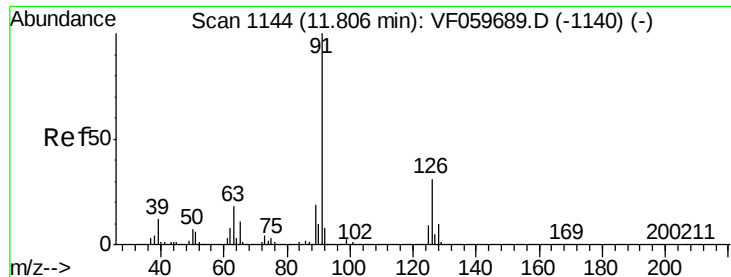
Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	11.0	33.0	





#79

2-Chlorotoluene

Concen: 5.60 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 50690

Ion Ratio Lower Upper

91 100

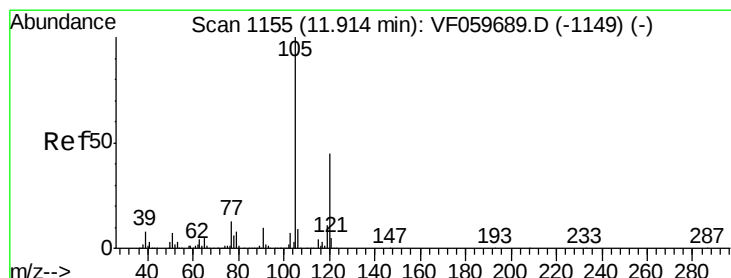
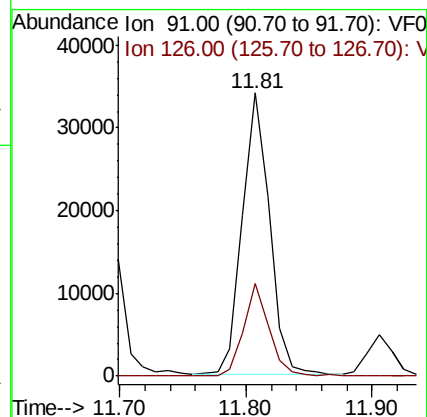
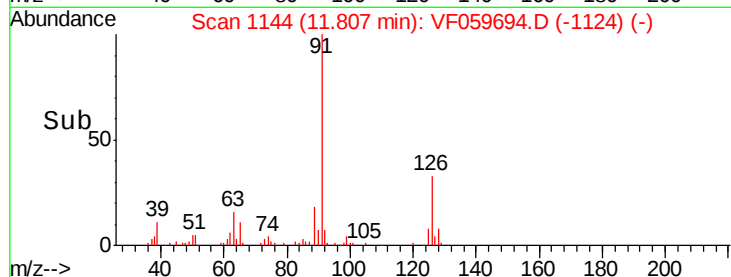
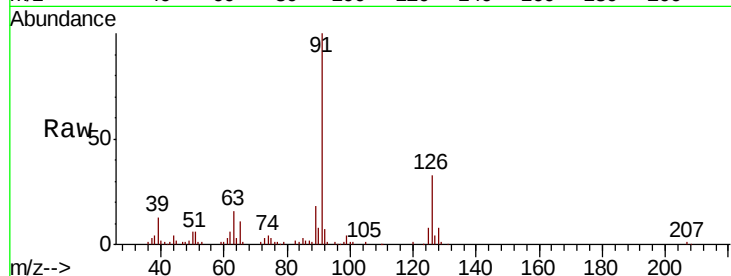
126 32.6 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 5.38 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059694.D

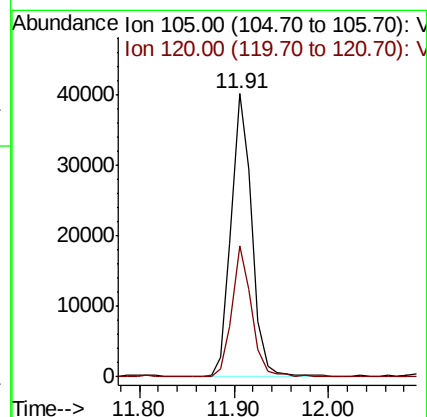
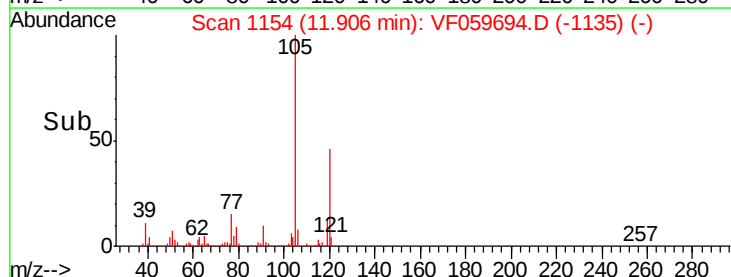
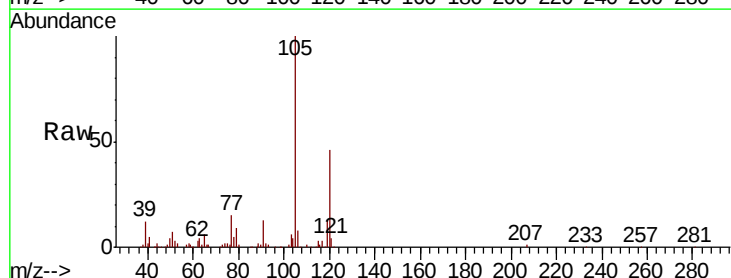
Acq: 30 Jul 2018 18:08

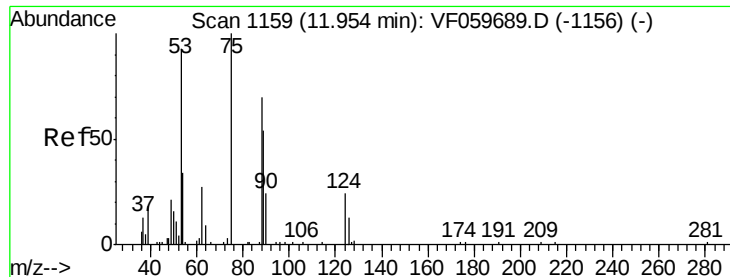
Tgt Ion: 105 Resp: 60924

Ion Ratio Lower Upper

105 100

120 46.3 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.31 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

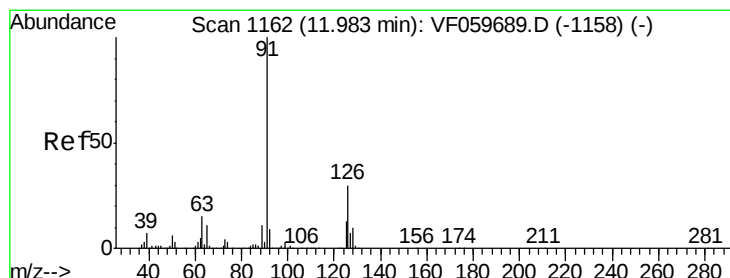
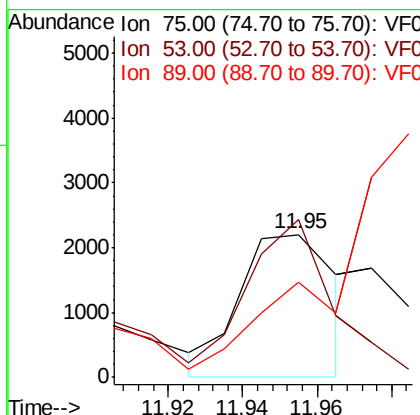
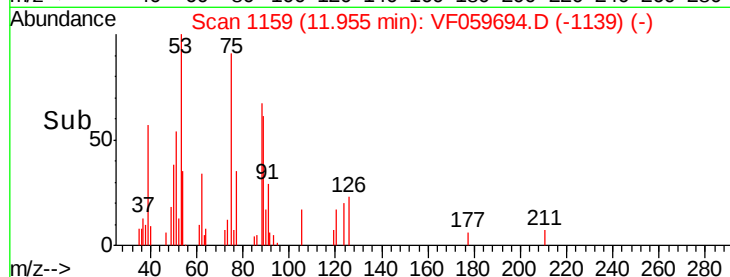
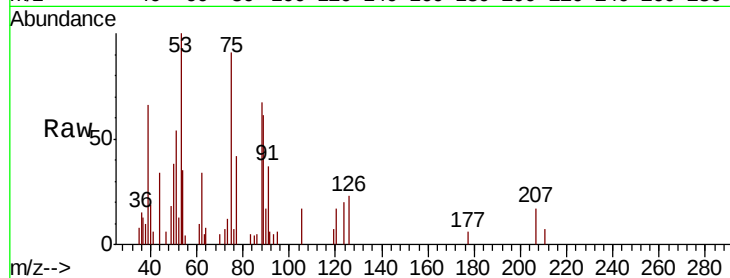
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3895
Ion Ratio	Lower	Upper	
75	100		
53	110.3	78.3	117.5
89	66.7	45.4	68.2

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#82

4-Chlorotoluene

Concen: 5.78 ug/l

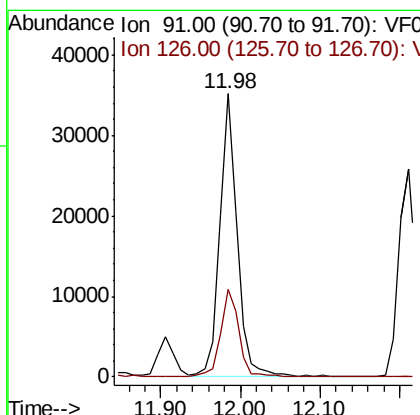
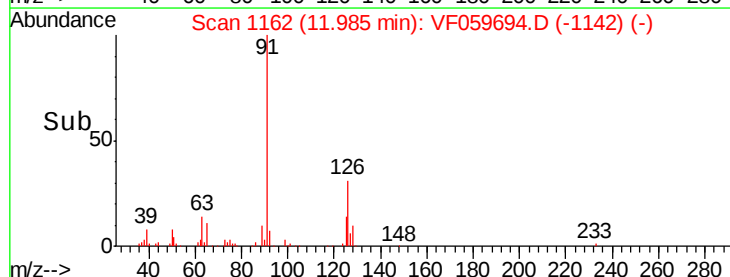
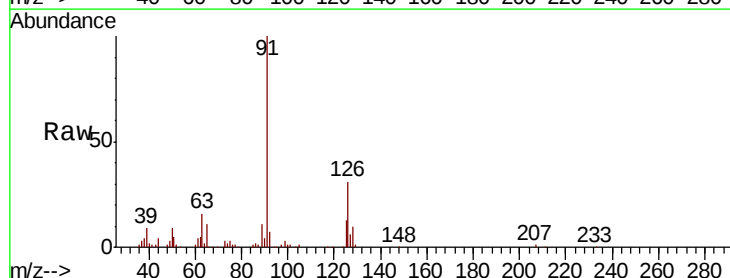
RT: 11.98 min Scan# 1162

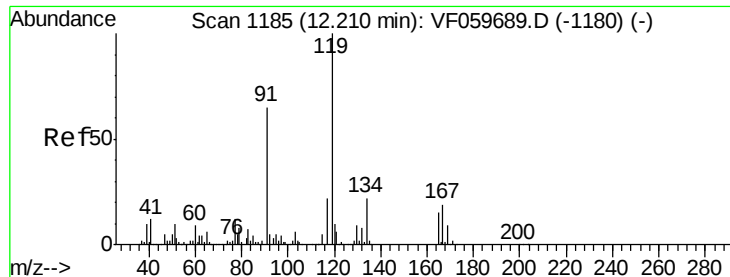
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	91	Resp:	55077
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.2	45.6





#83

tert-Butylbenzene

Concen: 5.40 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

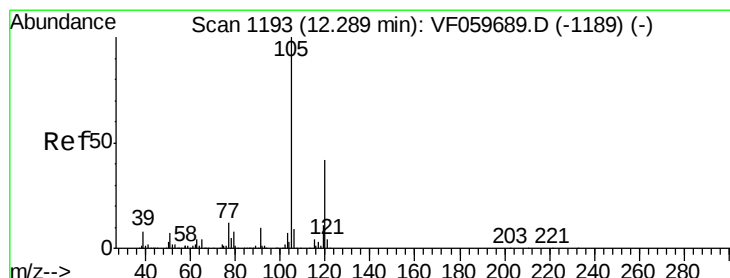
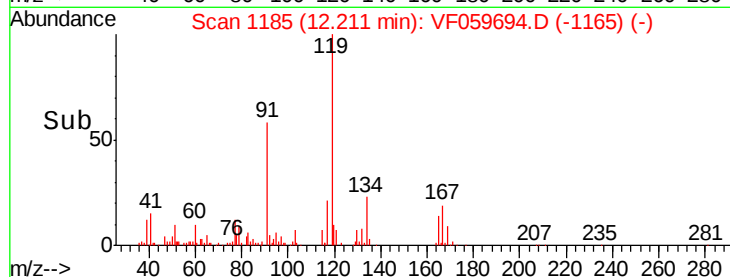
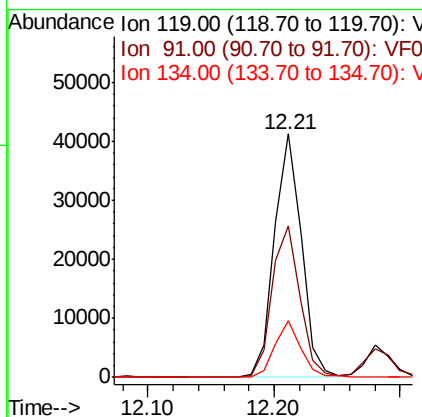
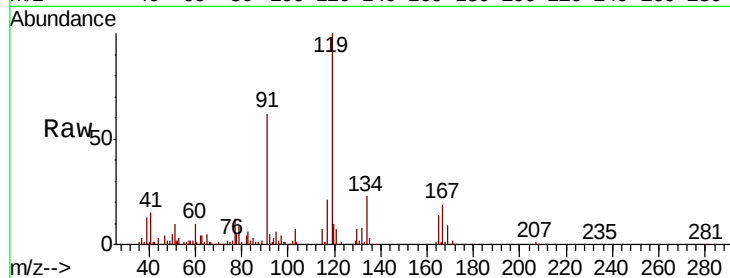
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	61850
Ion Ratio	Lower	Upper	
119	100		
91	62.5	32.8	98.4
134	23.0	10.9	32.7

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#84

1,2,4-Trimethylbenzene

Concen: 5.27 ug/l

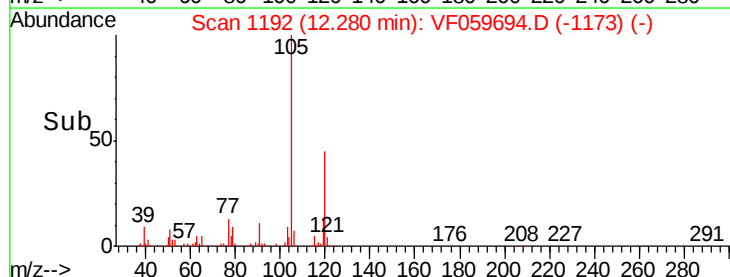
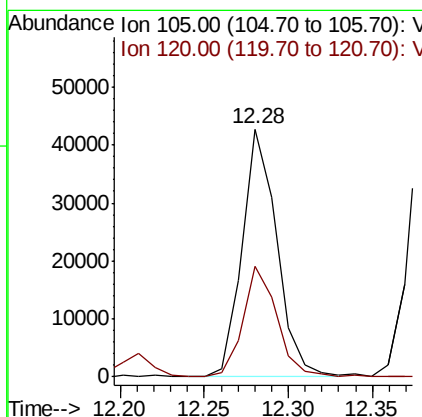
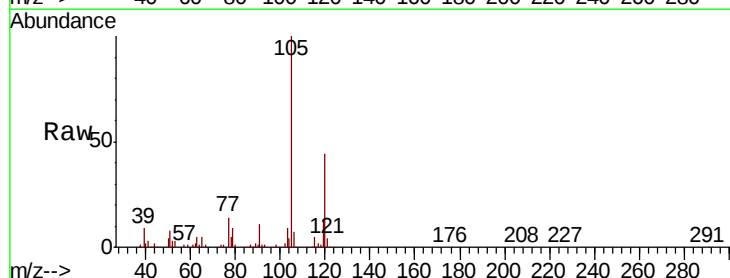
RT: 12.28 min Scan# 1192

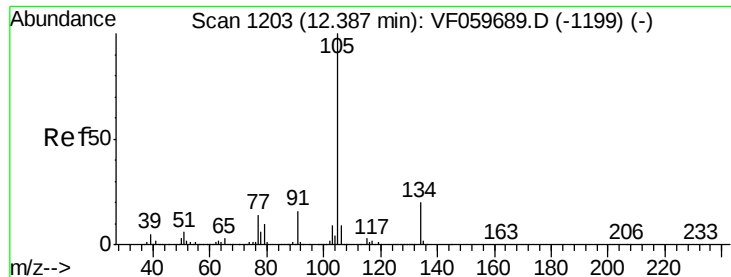
Delta R.T. -0.01 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	105	Resp:	61327
Ion Ratio	Lower	Upper	
105	100		
120	44.4	21.1	63.3





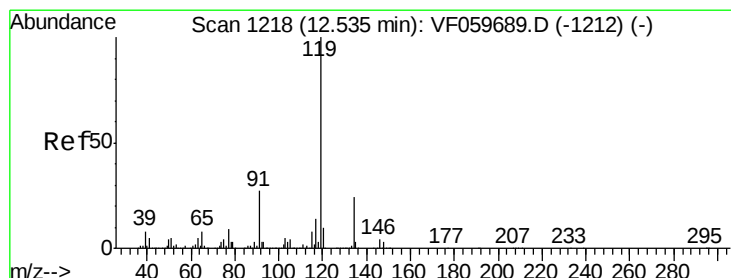
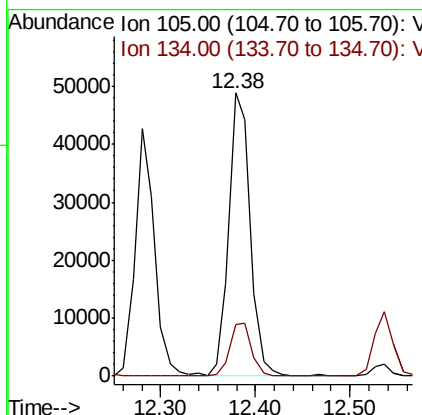
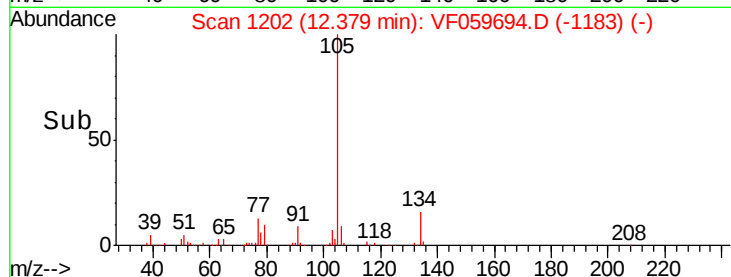
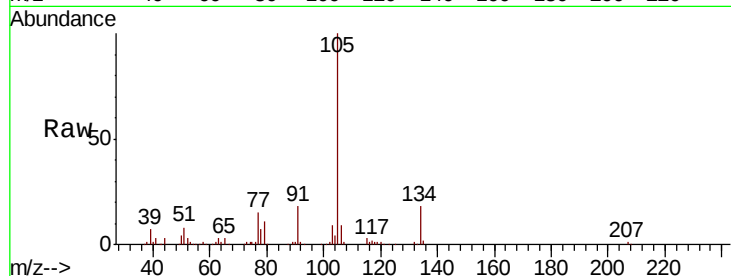
#85
 sec-Butylbenzene
 Concen: 5.15 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.8	29.3

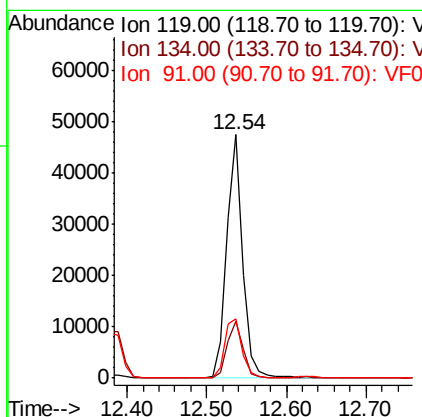
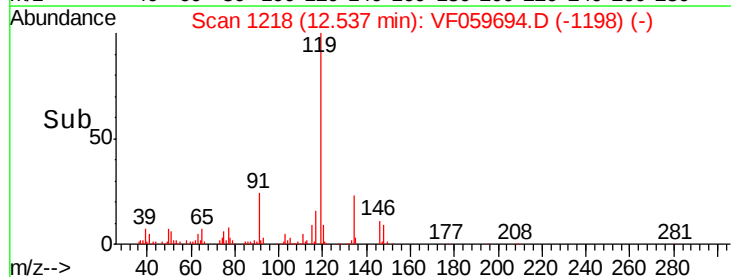
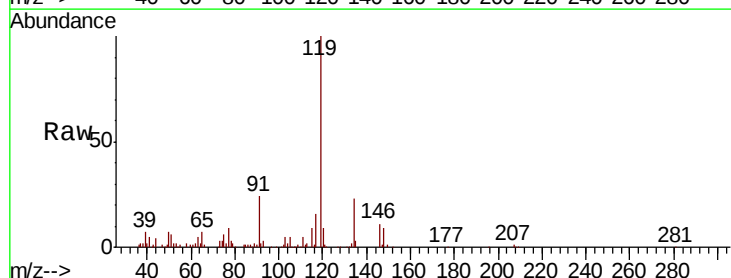
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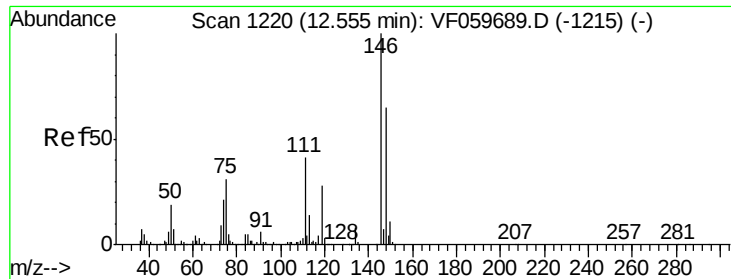
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#86
 p-Isopropyltoluene
 Concen: 5.21 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.2	12.2	36.6
91	24.5	13.4	40.2





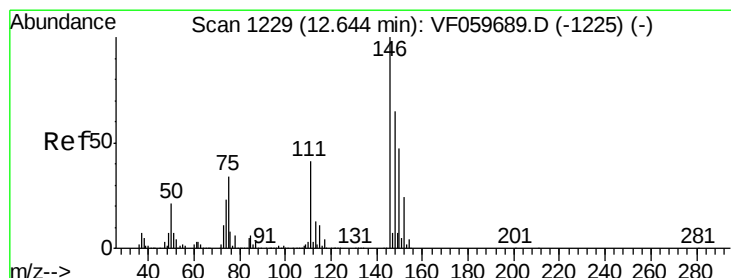
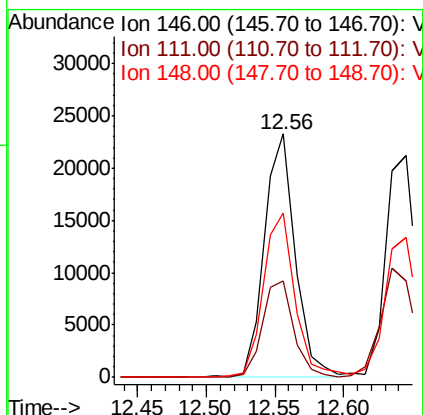
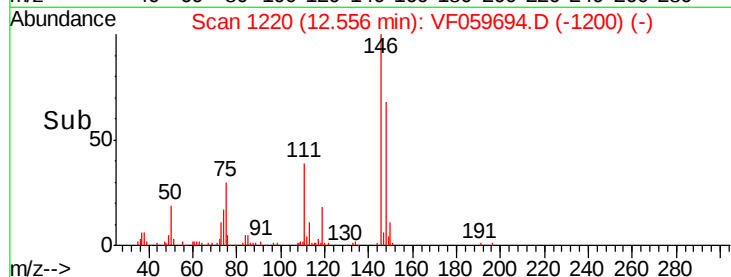
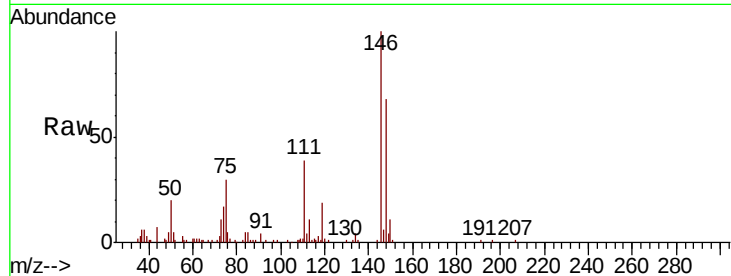
#87
 1,3-Dichlorobenzene
 Concen: 5.95 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.7	62.1
148	67.5	32.3	96.8

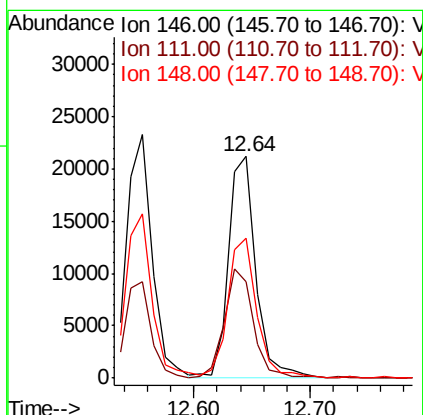
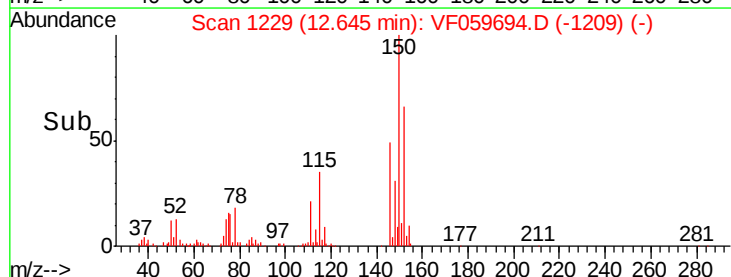
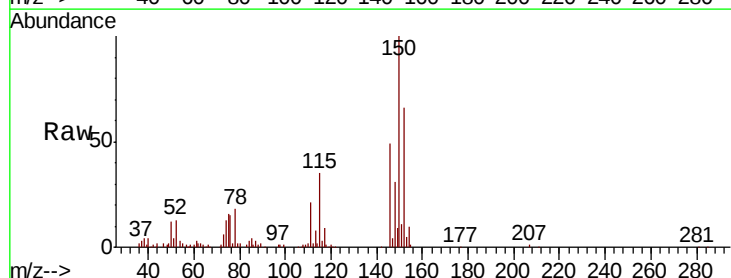
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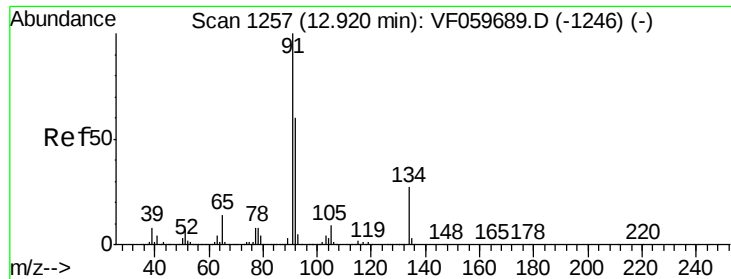
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.93 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.8	62.2
148	63.5	32.3	96.9





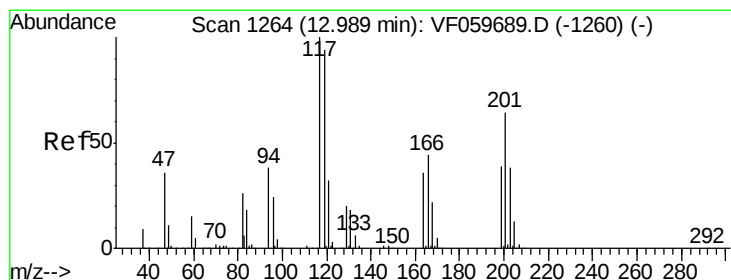
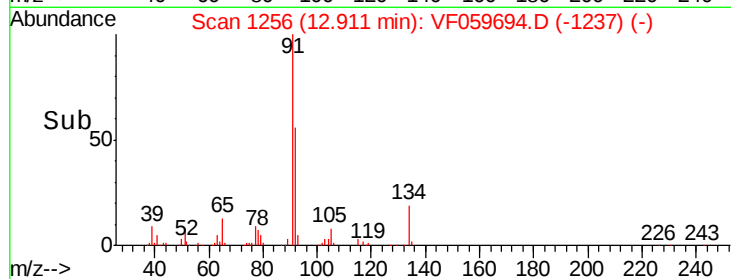
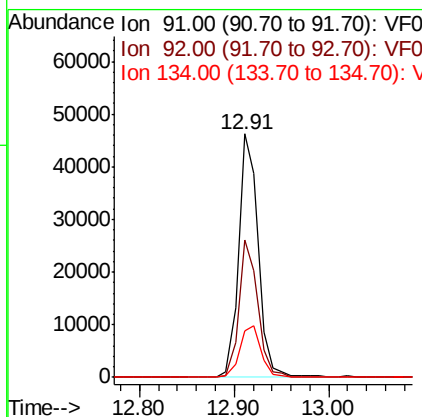
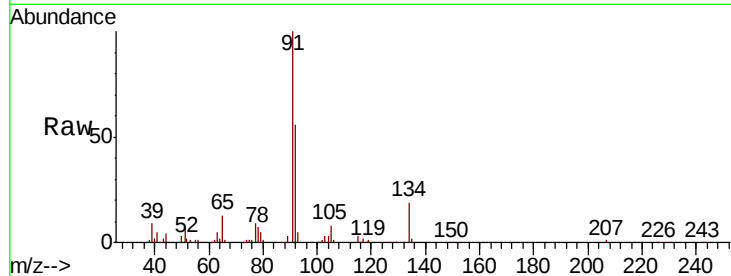
#89
n-Butylbenzene
Concen: 5.29 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.2	30.1	90.3
134	19.1	13.7	41.0

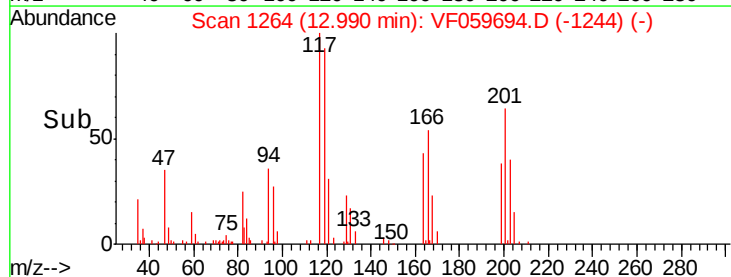
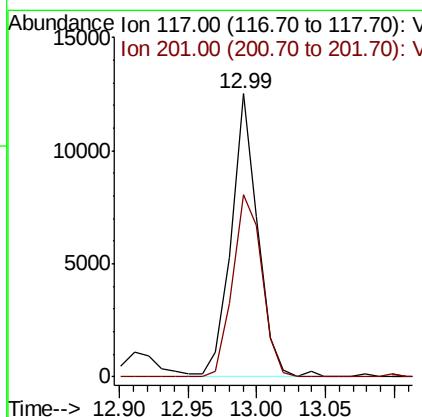
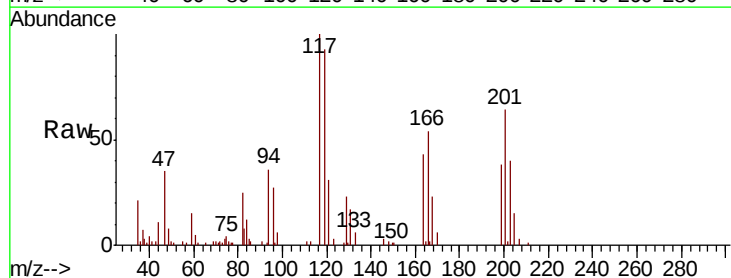
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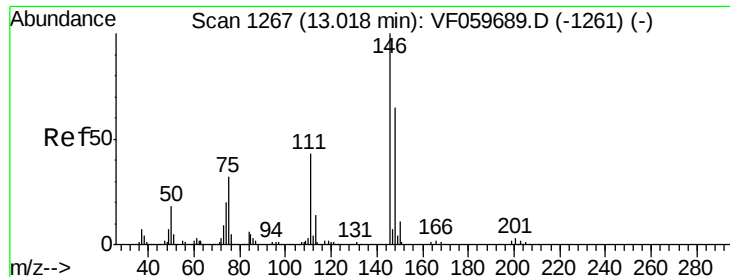
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#90
Hexachloroethane
Concen: 5.09 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 6.34 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Instrument :

MSVOA_F

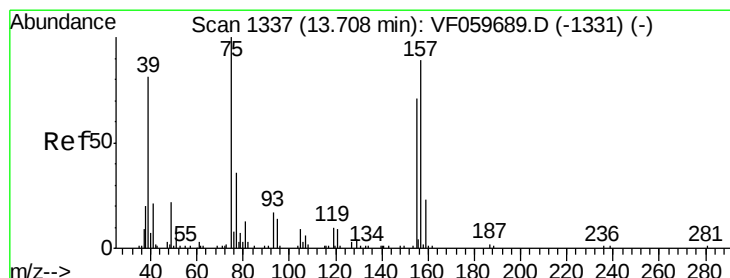
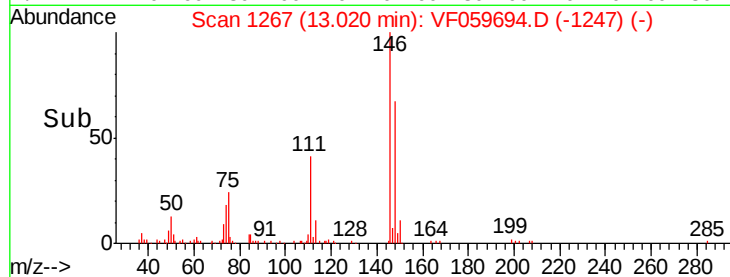
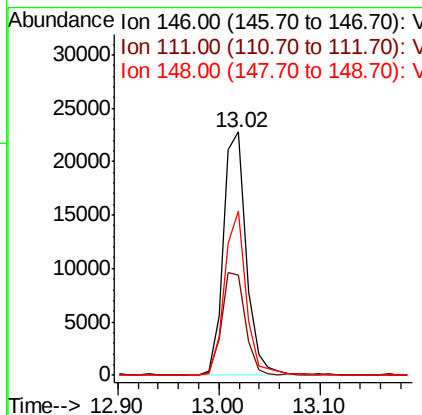
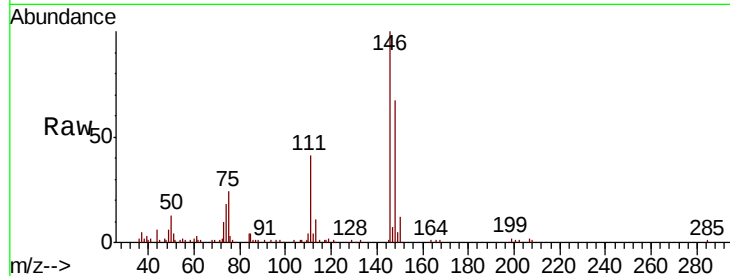
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	36005
Ion Ratio	Lower	Upper	
146	100		
111	41.1	21.6	65.0
148	67.5	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.14 ug/l

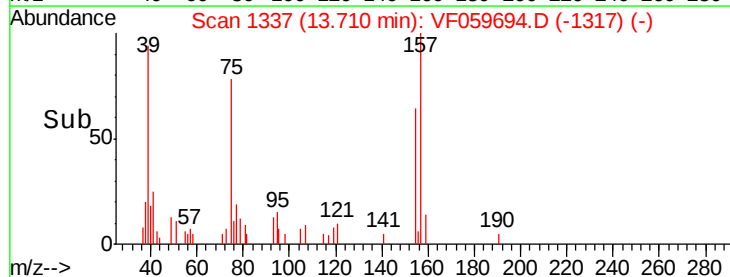
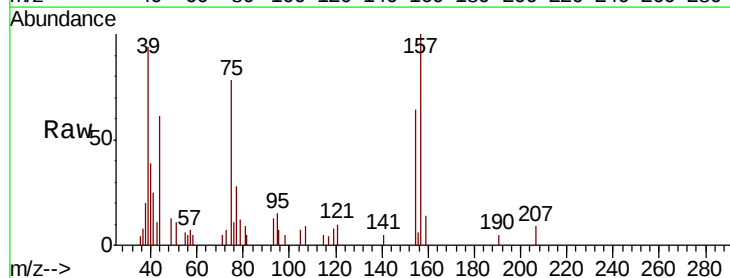
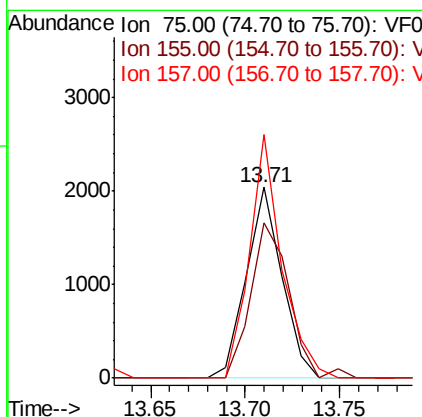
RT: 13.71 min Scan# 1337

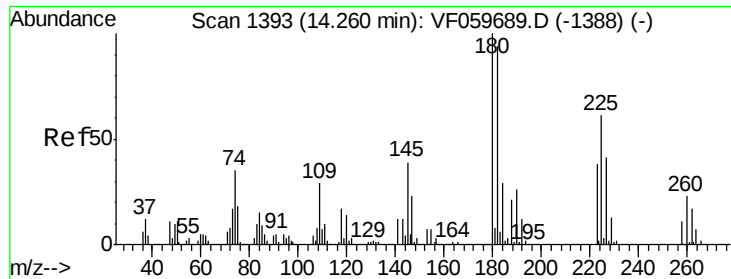
Delta R.T. 0.00 min

Lab File: VF059694.D

Acq: 30 Jul 2018 18:08

Tgt Ion:	75	Resp:	2651
Ion Ratio	Lower	Upper	
75	100		
155	81.5	35.4	106.2
157	127.7	44.4	133.2





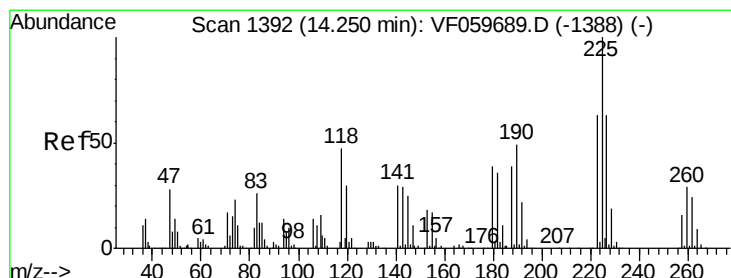
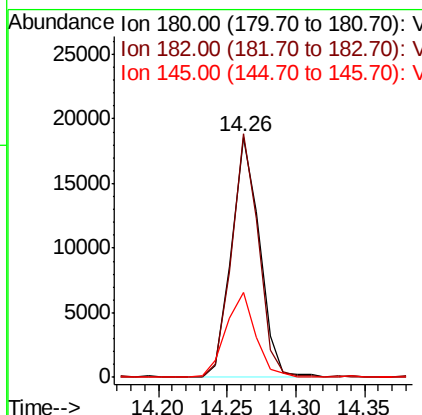
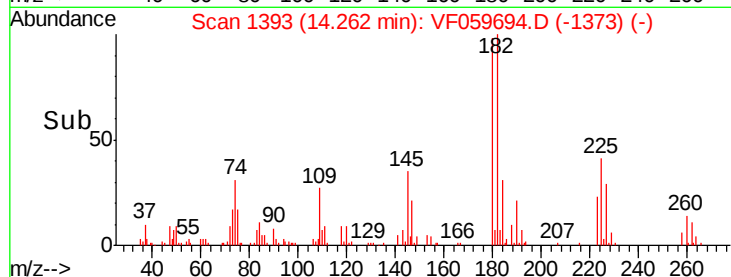
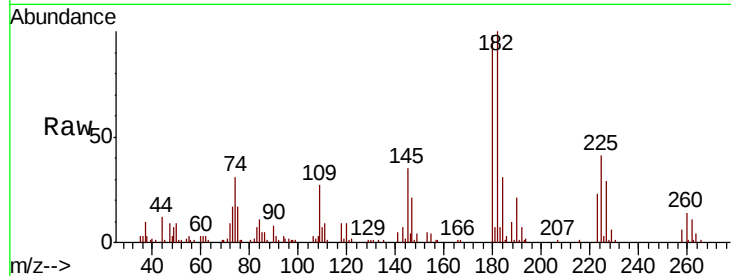
#93
 1,2,4-Trichlorobenzene
 Concen: 5.84 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	47.2	141.6
145	35.6	19.3	57.9

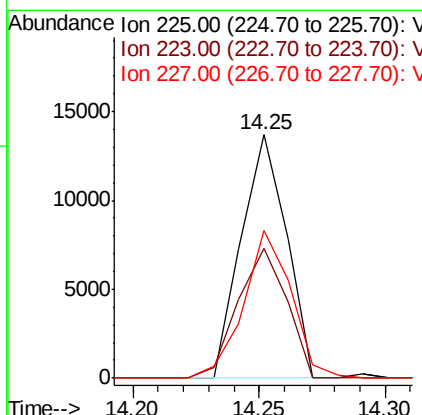
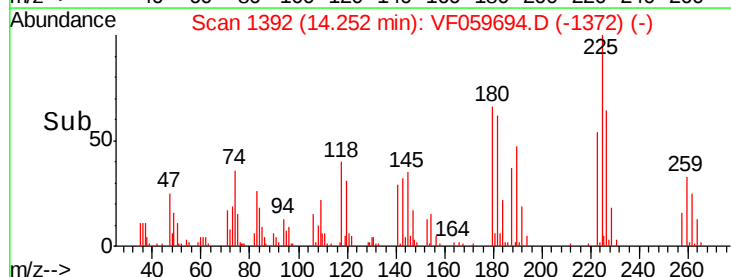
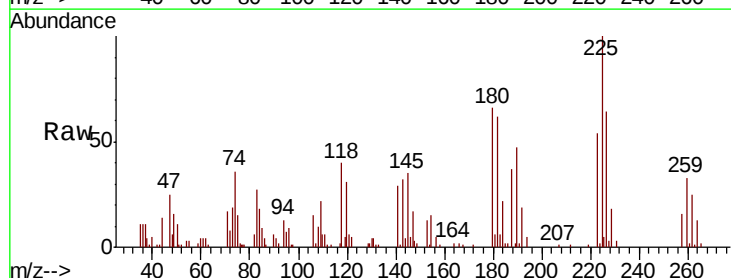
Manual Integrations
 APPROVED

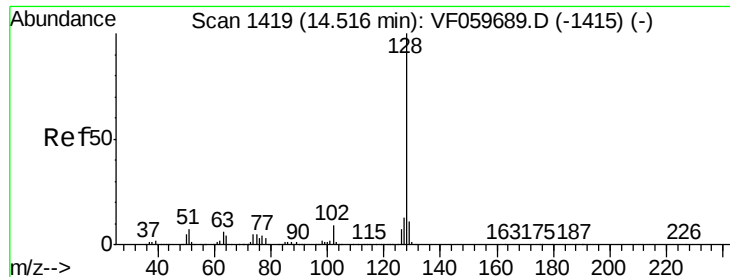
apatel
 7/31/2018 12:13:04 PM



#94
 Hexachlorobutadiene
 Concen: 5.07 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059694.D
 Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	53.4	31.4	94.2
227	60.8	31.5	94.5





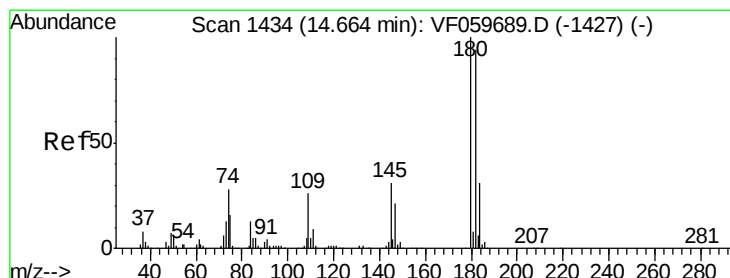
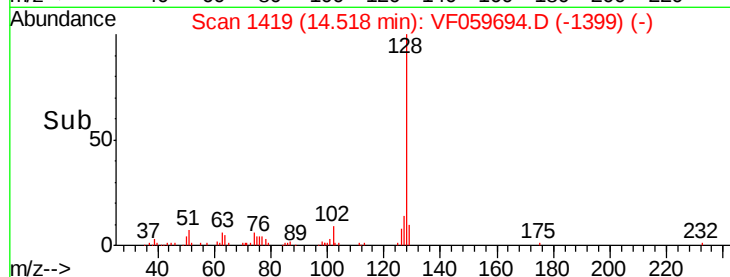
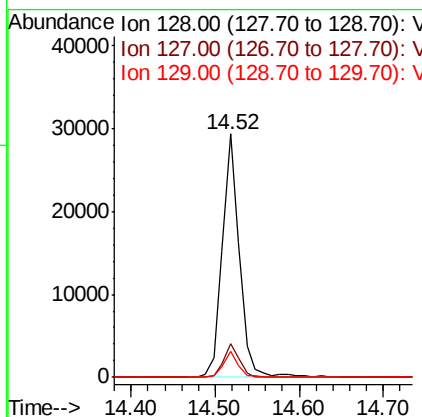
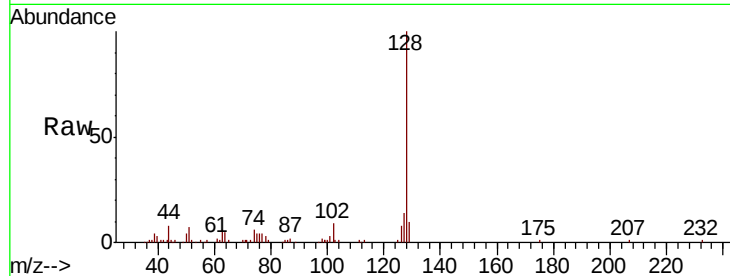
#95
Naphthalene
Concen: 5.75 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.0	15.0
129	10.4	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 6.14 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059694.D
Acq: 30 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.2	141.6
145	32.9	15.6	46.7

