

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059686.D
 Acq On : 30 Jul 2018 13:36
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

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

Quant Time: Jul 31 04:00:06 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	220701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	313913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	297645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	19784	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
35) Dibromofluoromethane	4.29	113	16244	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
50) Toluene-d8	7.70	98	38705	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	
62) 4-Bromofluorobenzene	11.51	95	23053	5.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	18419	8.08	ug/l	89
3) Chloromethane	1.08	50	10941m	8.49	ug/l	
4) Vinyl Chloride	1.15	62	9594	7.03	ug/l #	73
5) Bromomethane	1.33	94	8435	7.10	ug/l	87
6) Chloroethane	1.42	64	5475	6.43	ug/l #	82
7) Trichlorofluoromethane	1.53	101	26329m	6.42	ug/l	
8) Diethyl Ether	1.70	74	3406	5.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	13736	6.30	ug/l #	76
10) Methyl Iodide	1.96	142	19792m	6.20	ug/l	
11) Tert butyl alcohol	2.67	59	5540	37.23	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	10373	6.43	ug/l	82
13) Acrolein	2.08	56	1781	27.04	ug/l #	61
14) Allyl chloride	2.18	41	15025	5.69	ug/l	93
15) Acrylonitrile	3.07	53	7245	31.94	ug/l	91
16) Acetone	2.33	43	23277	36.85	ug/l	95
17) Carbon Disulfide	1.84	76	27946m	7.13	ug/l	
18) Methyl Acetate	2.45	43	8317m	7.87	ug/l	
19) Methyl tert-butyl Ether	2.53	73	27296	6.05	ug/l	96
20) Methylene Chloride	2.27	84	27536m	11.84	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	11085	6.70	ug/l #	88
22) Diisopropyl ether	2.92	45	30116	5.71	ug/l #	98
23) Vinyl Acetate	3.33	43	69921	26.74	ug/l	99
24) 1,1-Dichloroethane	3.00	63	21603	5.76	ug/l #	94
25) 2-Butanone	4.51	43	20559	29.54	ug/l #	80
26) 2,2-Dichloropropane	3.75	77	18095	5.93	ug/l	90
27) cis-1,2-Dichloroethene	3.63	96	11282	5.81	ug/l	99
28) Bromochloromethane	3.87	49	8260	5.97	ug/l	88
29) Tetrahydrofuran	4.25	42	10056	36.00	ug/l #	77
30) Chloroform	4.03	83	31219	5.89	ug/l	95
31) Cyclohexane	3.86	56	13622	6.32	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	22964	5.28	ug/l #	86
36) 1,1-Dichloropropene	4.45	75	19643	5.77	ug/l	99
37) Ethyl Acetate	4.28	43	8118	5.47	ug/l #	62
38) Carbon Tetrachloride	4.16	117	27347	5.47	ug/l	99

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 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)
39) Methylcyclohexane	5.63	83	16528	5.96	ug/l #	85
40) Benzene	4.80	78	33179	5.49	ug/l #	90
41) Methacrylonitrile	4.91	41	4289	5.86	ug/l #	82
42) 1,2-Dichloroethane	5.11	62	22320	5.67	ug/l	93
43) Isopropyl Acetate	7.10	43	7543	4.90	ug/l #	90
44) Trichloroethene	5.66	130	13078	5.58	ug/l	91
45) 1,2-Dichloropropane	6.39	63	8974	5.58	ug/l	92
46) Dibromomethane	6.24	93	7833	5.61	ug/l	88
47) Bromodichloromethane	6.54	83	23113	5.65	ug/l	93
48) Methyl methacrylate	6.86	41	6809	5.64	ug/l #	89
49) 1,4-Dioxane	6.86	88	1496	155.31	ug/l #	69
51) 4-Methyl-2-Pentanone	8.39	43	36385	29.40	ug/l	92
52) Toluene	7.77	92	25518	5.68	ug/l	87
53) t-1,3-Dichloropropene	8.42	75	18589	5.68	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	18898	5.57	ug/l #	89
55) 1,1,2-Trichloroethane	8.63	97	8516	5.71	ug/l #	86
56) Ethyl methacrylate	8.76	69	7457	4.71	ug/l	93
57) 1,3-Dichloropropane	8.99	76	14232	5.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	4859	25.44	ug/l	100
59) 2-Hexanone	9.62	43	21339	23.24	ug/l	88
60) Dibromochloromethane	8.86	129	13929	5.18	ug/l	86
61) 1,2-Dibromoethane	9.13	107	10562	5.85	ug/l	84
64) Tetrachloroethene	8.30	164	14270	6.02	ug/l #	87
65) Chlorobenzene	9.94	112	34675	6.00	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.07	131	14673	5.51	ug/l	89
67) Ethyl Benzene	10.04	91	59605	5.68	ug/l	94
68) m/p-Xylenes	10.26	106	41934	11.55	ug/l	99
69) o-Xylene	10.83	106	21865	5.58	ug/l	95
70) Styrene	10.90	104	30766	5.40	ug/l	95
71) Bromoform	10.89	173	9008	5.49	ug/l	94
73) Isopropylbenzene	11.22	105	69654	5.33	ug/l	93
74) N-amyl acetate	11.46	43	13785	5.15	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.78	83	12235	5.70	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	10126	5.75	ug/l	92
77) Bromobenzene	11.59	156	18292	5.77	ug/l	93
78) n-propylbenzene	11.68	91	84897	5.64	ug/l	98
79) 2-Chlorotoluene	11.81	91	50099	5.47	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	63827	5.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	4169m	4.56	ug/l	
82) 4-Chlorotoluene	11.99	91	54784	5.68	ug/l	91
83) tert-Butylbenzene	12.21	119	60335	5.21	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	64568	5.48	ug/l	96
85) sec-Butylbenzene	12.38	105	83674	5.49	ug/l	100
86) p-Isopropyltoluene	12.53	119	72382	5.52	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	37525	6.07	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	32361	5.49	ug/l	90
89) n-Butylbenzene	12.92	91	67900	5.36	ug/l	95
90) Hexachloroethane	13.00	117	18356	5.50	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	34033	5.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2497	4.79	ug/l	91

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Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 81 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

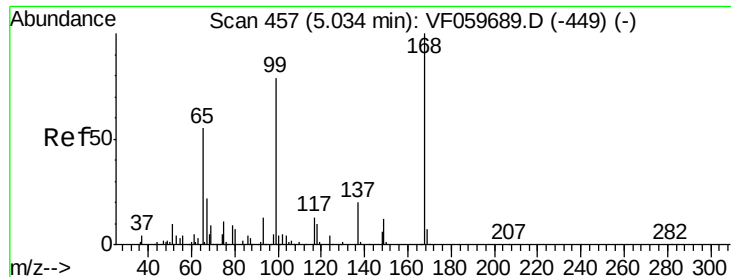
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 03:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	26965	5.85	ug/l	91
94) Hexachlorobutadiene	14.26	225	18364	5.42	ug/l	91
95) Naphthalene	14.52	128	37844	5.16	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	22453	5.36	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. 0.01 min

Lab File: VF059686.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion:168 Resp: 220701

Ion Ratio Lower Upper

168 100

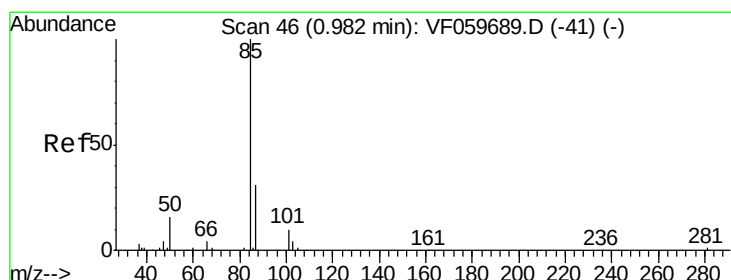
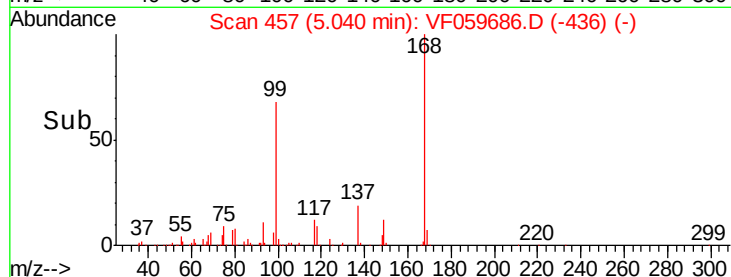
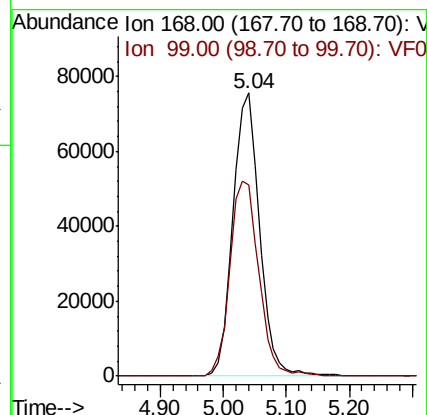
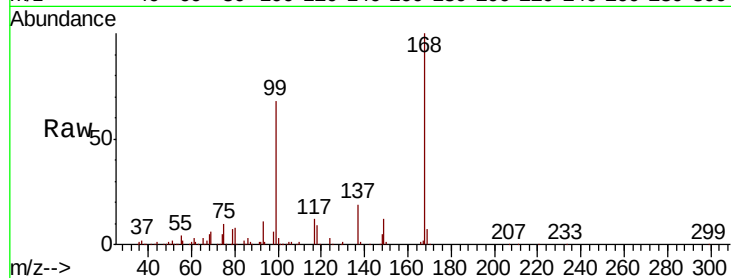
99 67.6 63.3 94.9

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#2

Dichlorodifluoromethane

Concen: 8.08 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059686.D

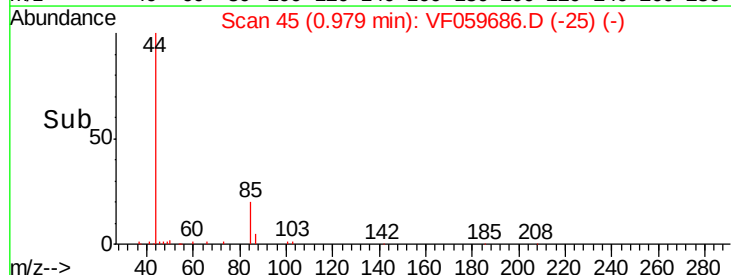
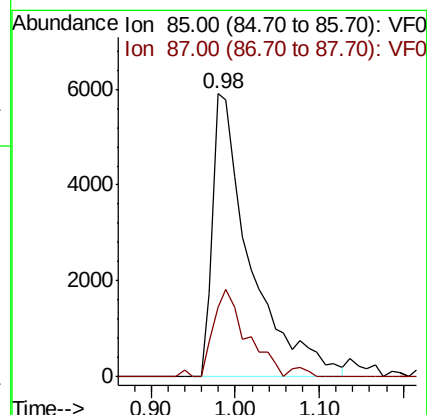
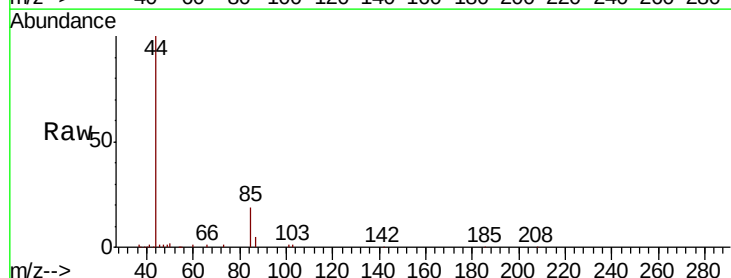
Acq: 30 Jul 2018 13:36

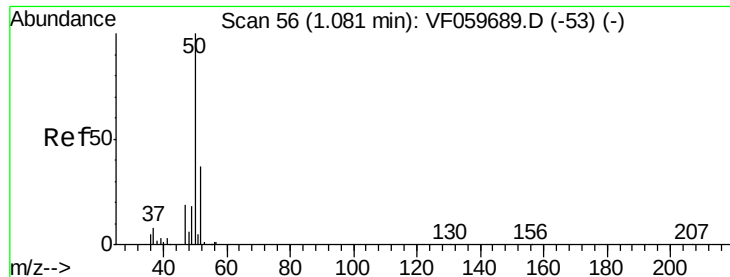
Tgt Ion: 85 Resp: 18419

Ion Ratio Lower Upper

85 100

87 24.5 15.3 45.8





#3

Chloromethane

Concen: 8.49 ug/l m

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 50 Resp: 10941

Ion Ratio Lower Upper

50 100

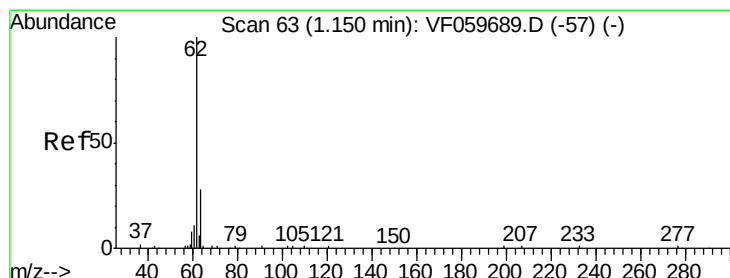
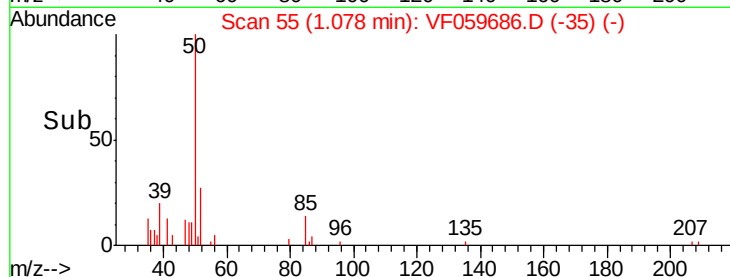
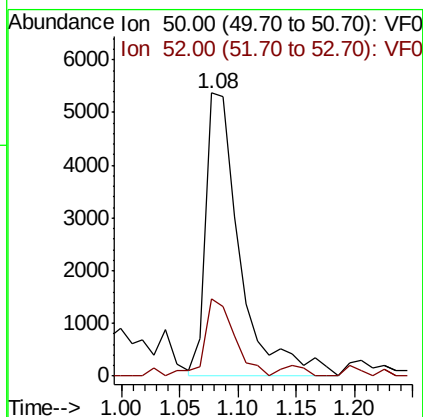
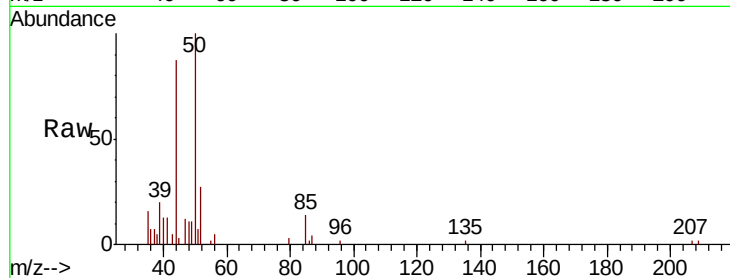
52 27.5 29.1 43.7#

Manual Integrations

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#4

Vinyl Chloride

Concen: 7.03 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059686.D

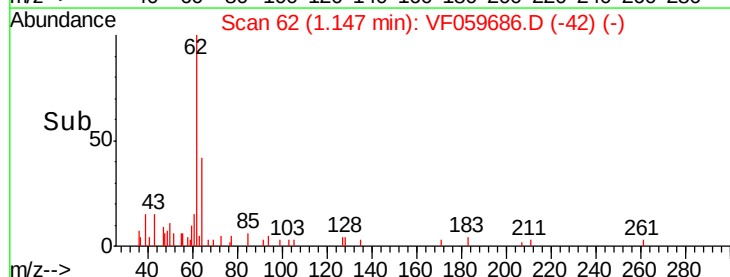
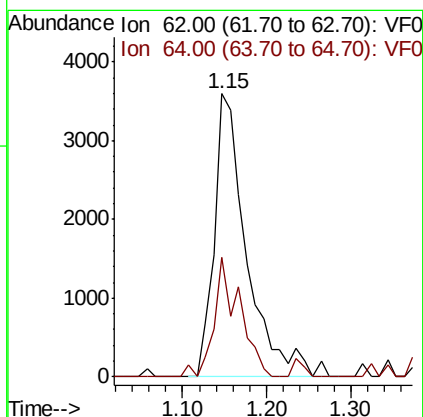
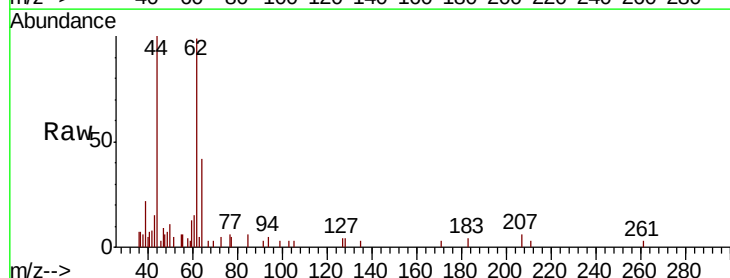
Acq: 30 Jul 2018 13:36

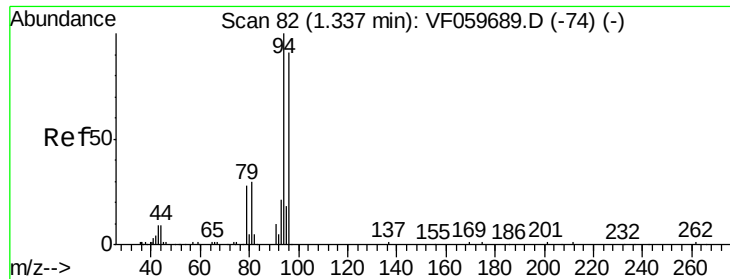
Tgt Ion: 62 Resp: 9594

Ion Ratio Lower Upper

62 100

64 42.3 22.6 33.8#





#5

Bromomethane

Concen: 7.10 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampled :

VSTDIC05

Tot Ion: 94 Resp: 8435

Ion Ratio Lower Upper

94 100

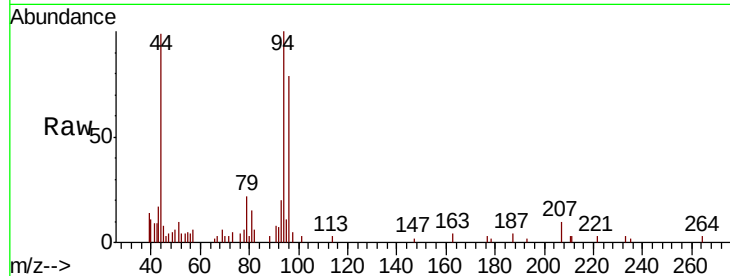
96 79.4 73.6 110.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

5000

4000

3000

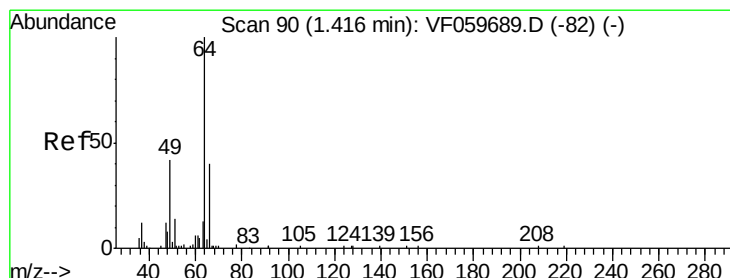
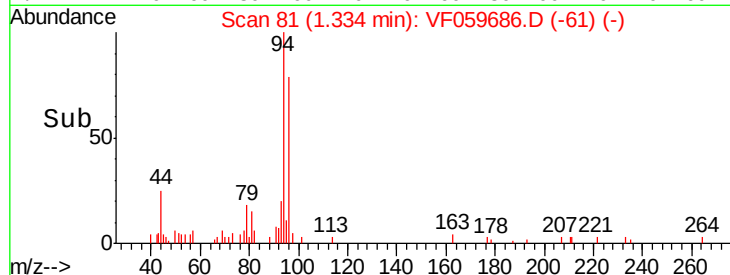
2000

1000

0

Time--> 1.20 1.30 1.40

1.33



#6

Chloroethane

Concen: 6.43 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059686.D

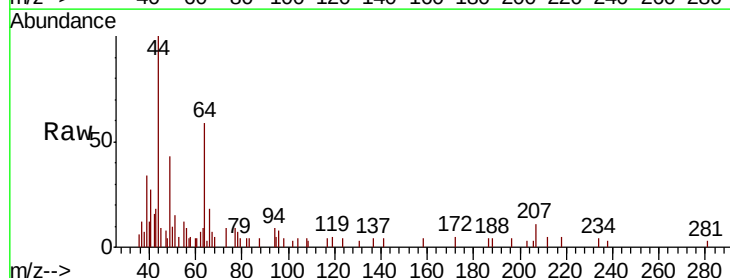
Acq: 30 Jul 2018 13:36

Tgt Ion: 64 Resp: 5475

Ion Ratio Lower Upper

64 100

66 29.8 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

2000

1500

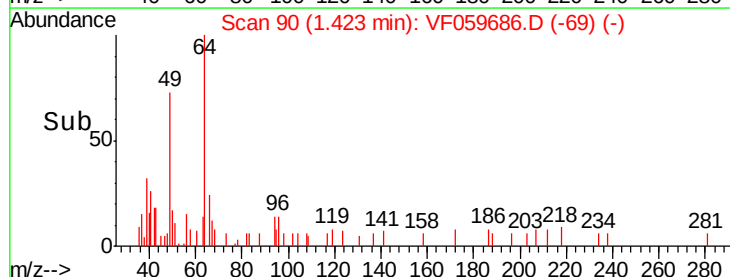
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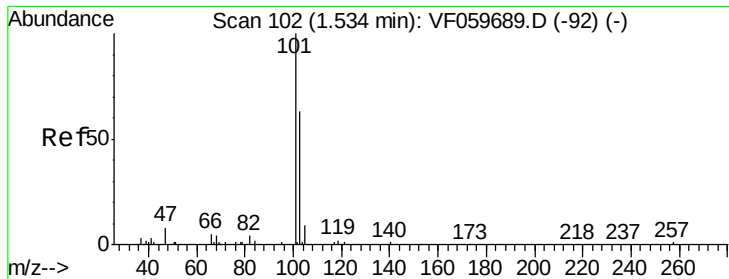
500

0

Time--> 1.30 1.35 1.40 1.45 1.50

1.42





#7

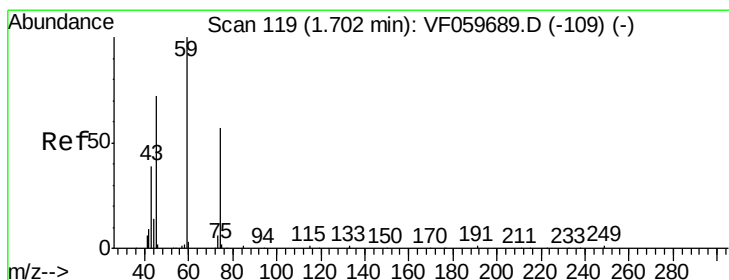
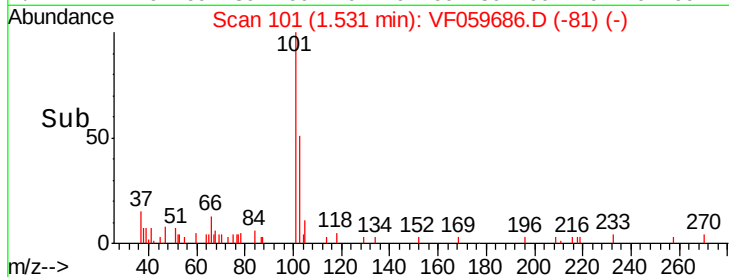
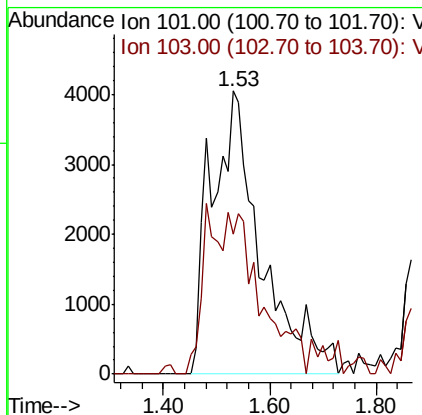
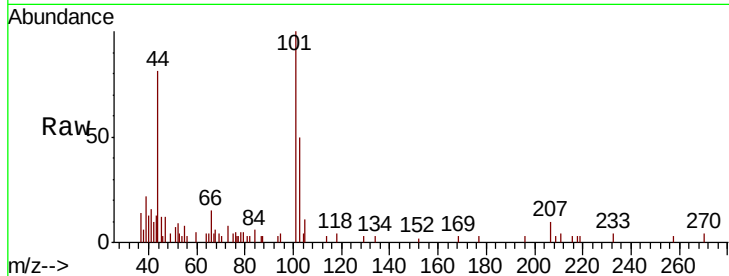
Trichlorofluoromethane
Concen: 6.42 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
101	100		
103	49.7	50.8	76.2#

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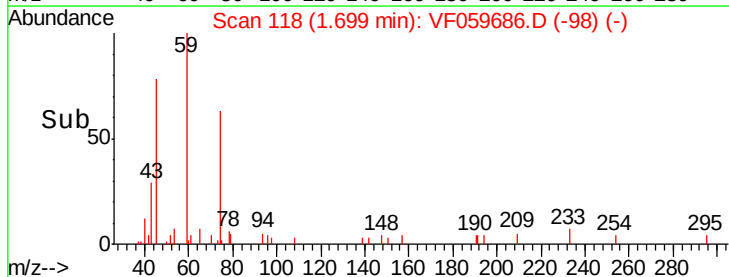
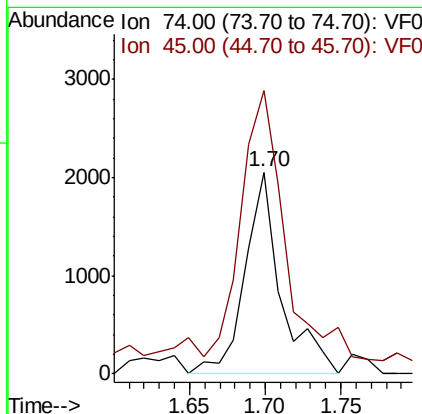
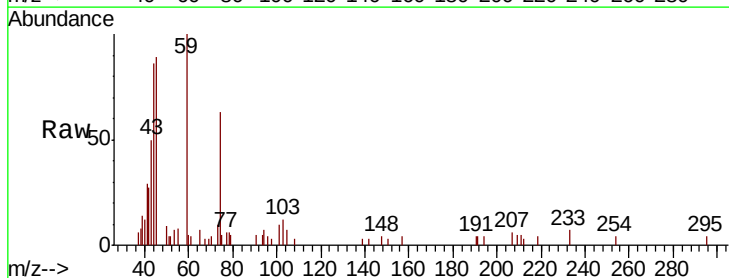
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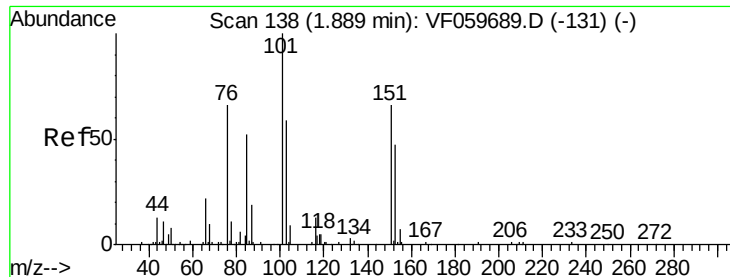


#8

Diethyl Ether
Concen: 5.86 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.3	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.30 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

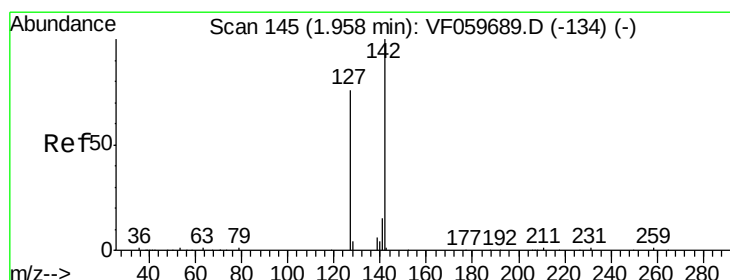
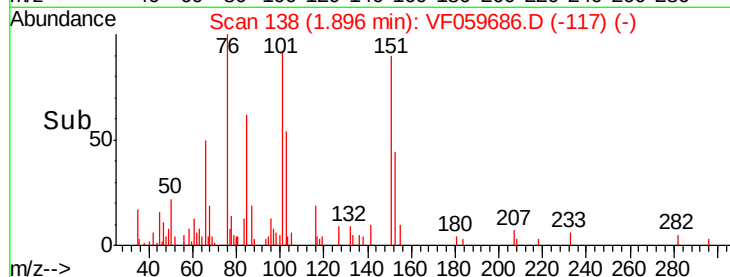
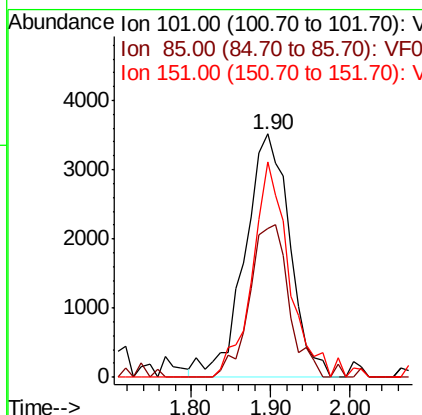
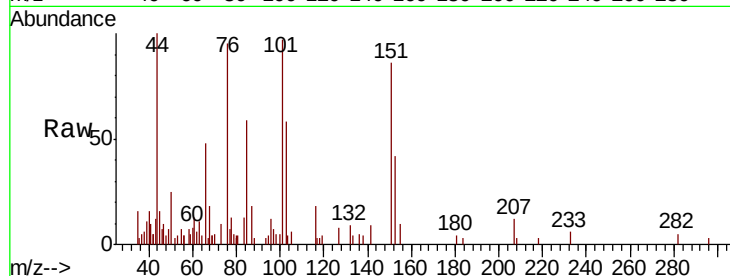
ClientSampleId :

VSTDIC05

Tot Ion:	101	Resp:	13736
Ion Ratio	Lower	Upper	
101	100		
85	61.2	40.7	61.1#
151	88.5	51.4	77.2#

Manual Integrations
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#10

Methyl Iodide

Concen: 6.20 ug/l m

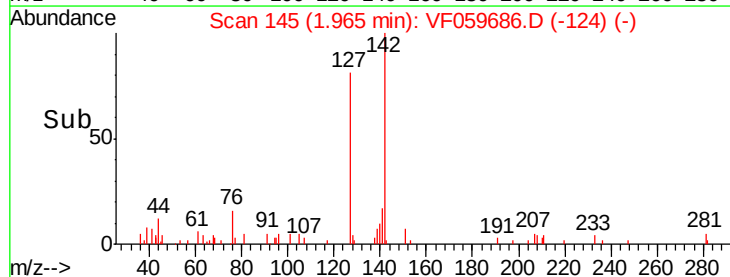
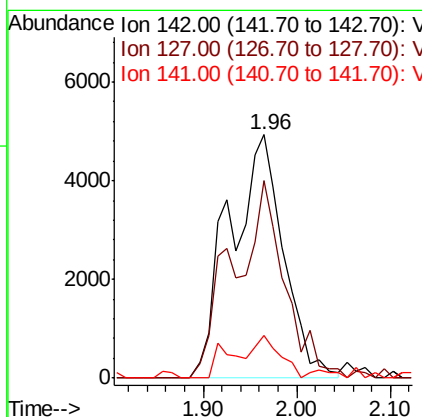
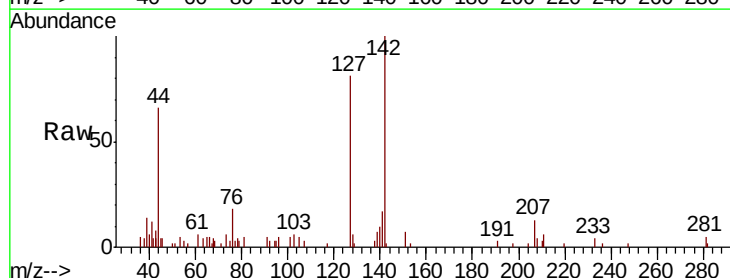
RT: 1.96 min Scan# 145

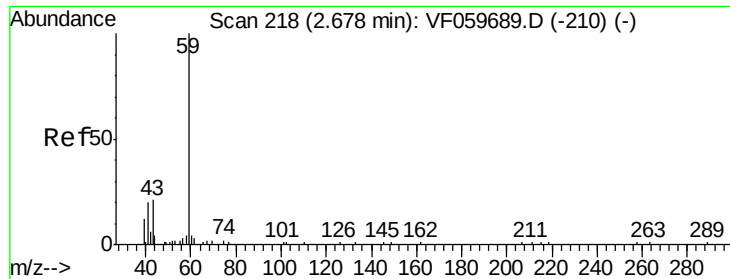
Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	142	Resp:	19792
Ion Ratio	Lower	Upper	
142	100		
127	81.2	60.6	91.0
141	17.4	12.0	18.0





#11

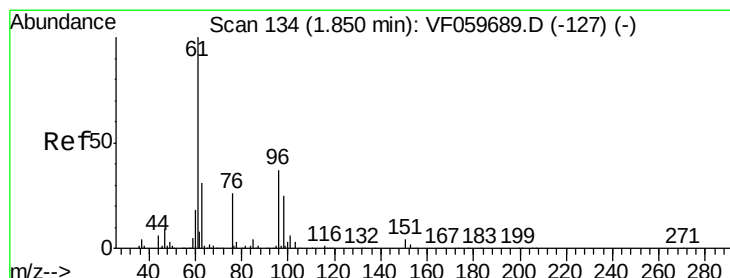
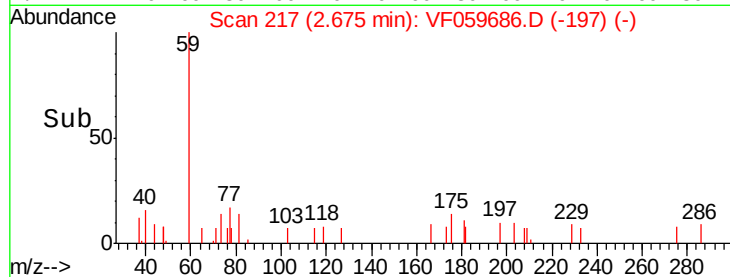
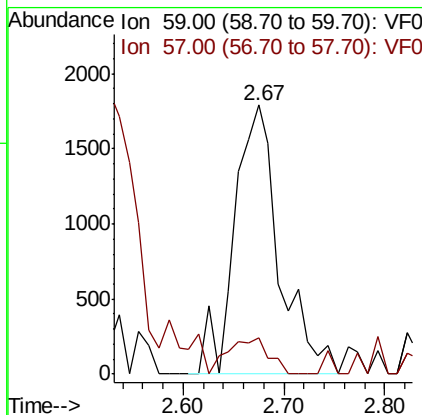
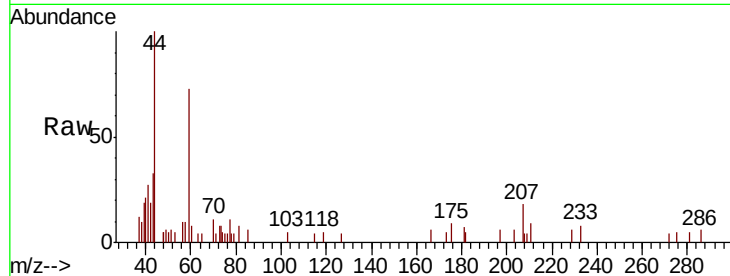
Tert butyl alcohol
Concen: 37.23 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	59	Resp	5540
Ion Ratio	100	Lower	Upper
57	13.5	7.6	11.4#

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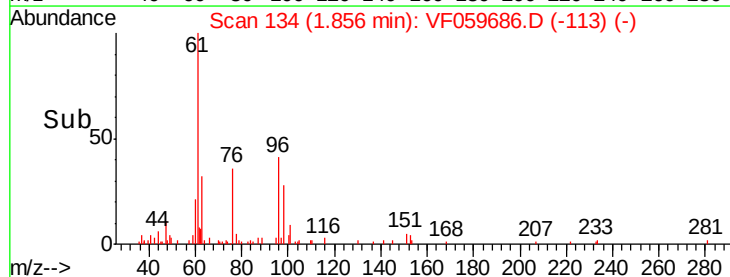
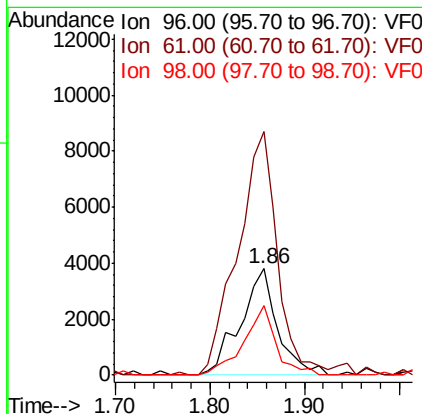
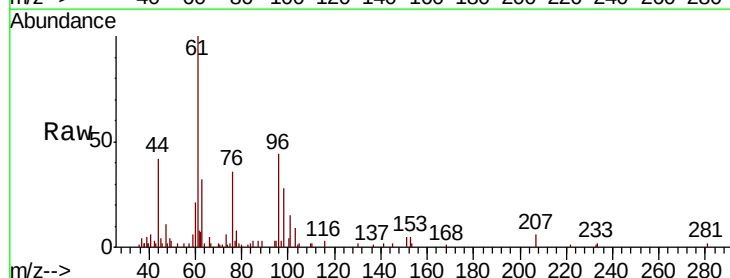
apatel
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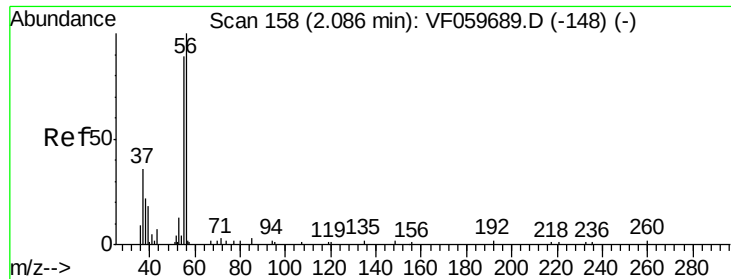


#12

1,1-Dichloroethene
Concen: 6.43 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	96	Resp	10373
Ion Ratio	100	Lower	Upper
61	228.6	215.1	322.7
98	64.9	54.3	81.5





#13

Acrolein

Concen: 27.04 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 56 Resp: 1781

Ion Ratio Lower Upper

56 100

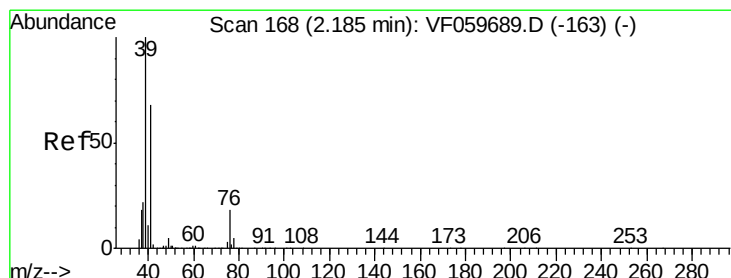
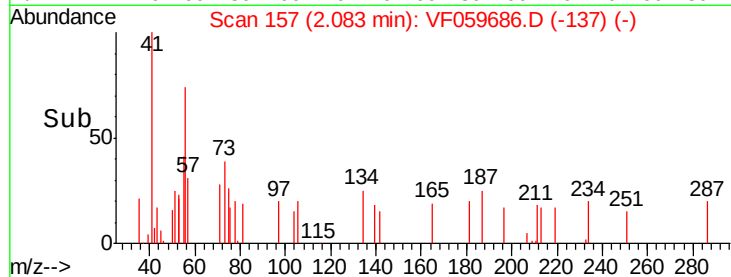
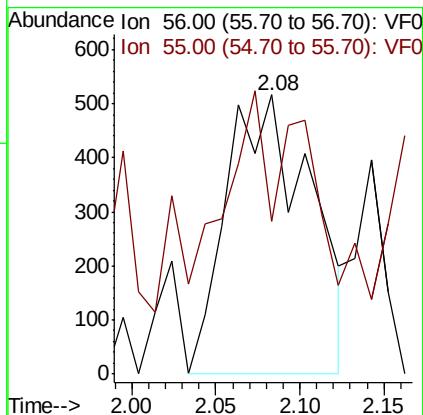
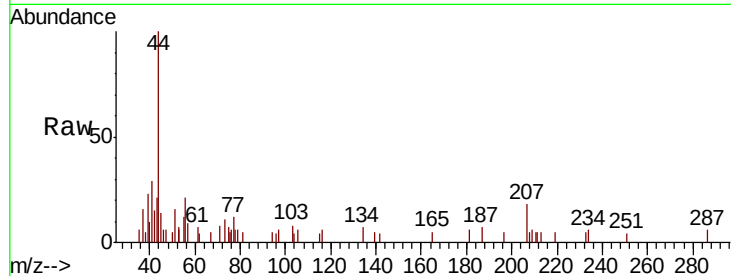
55 54.8 73.2 109.8#

Manual Integrations

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#14

Allyl chloride

Concen: 5.69 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

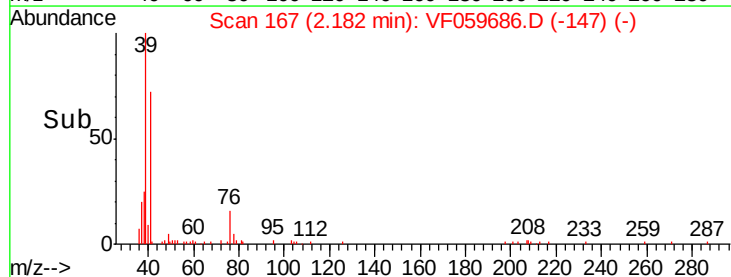
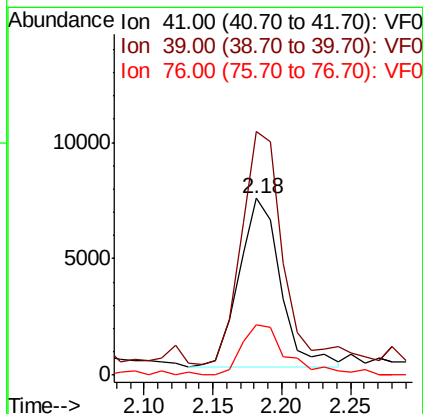
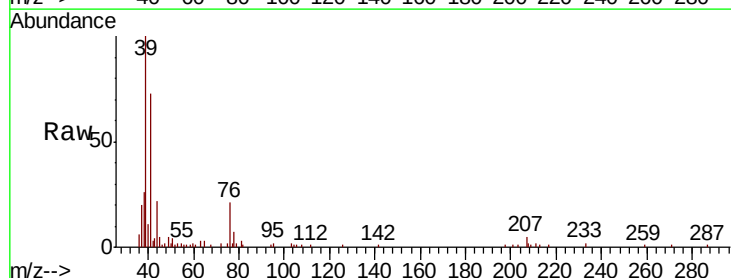
Tgt Ion: 41 Resp: 15025

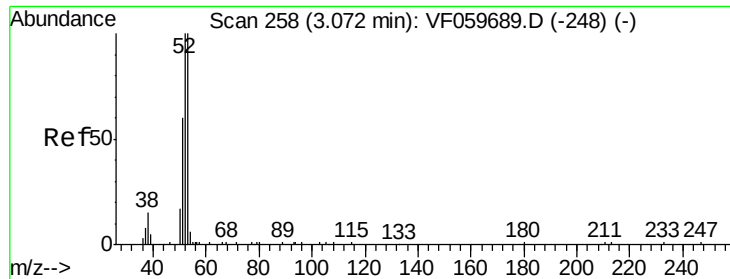
Ion Ratio Lower Upper

41 100

39 137.8 118.1 177.1

76 28.4 22.0 33.0





#15

Acrylonitrile

Concen: 31.94 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

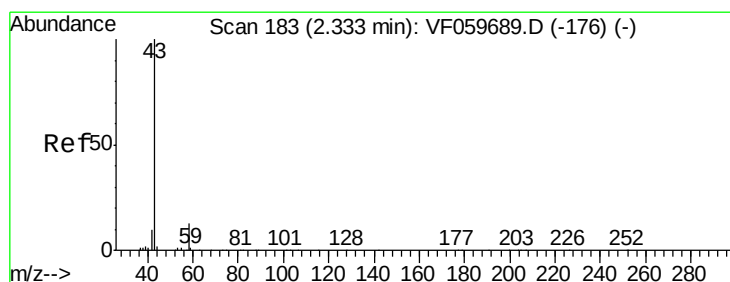
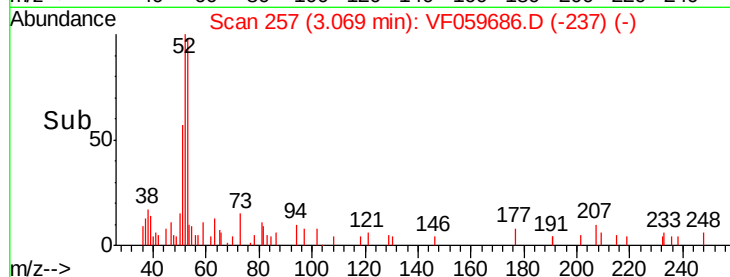
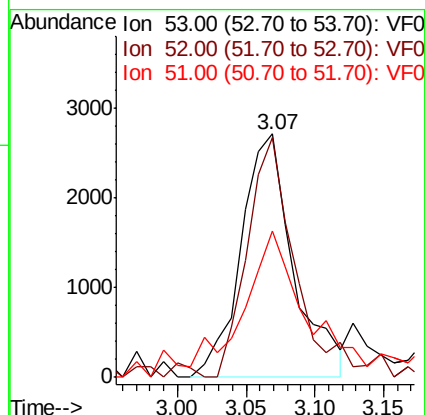
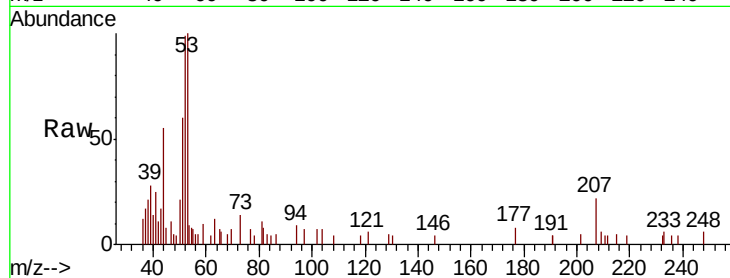
ClientSampleId :

VSTDIC05

Tot Ion:	53	Resp:	7245
Ion	Ratio	Lower	Upper
53	100		
52	90.4	80.3	120.5
51	55.0	49.4	74.0

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#16

Acetone

Concen: 36.85 ug/l

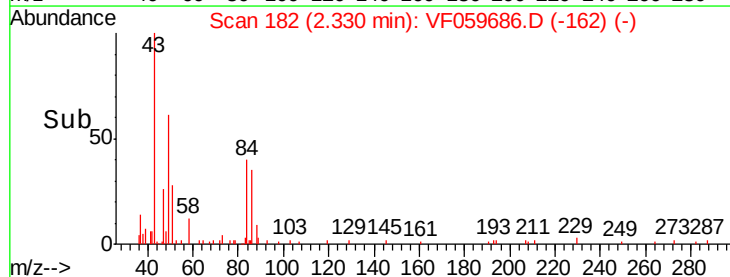
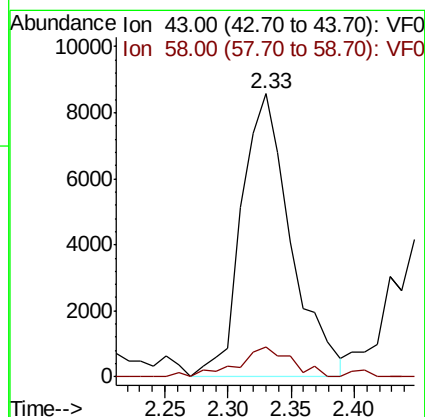
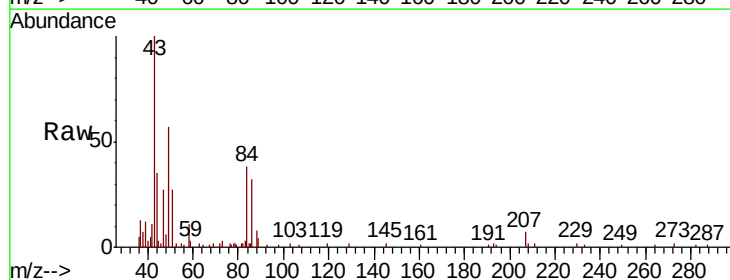
RT: 2.33 min Scan# 182

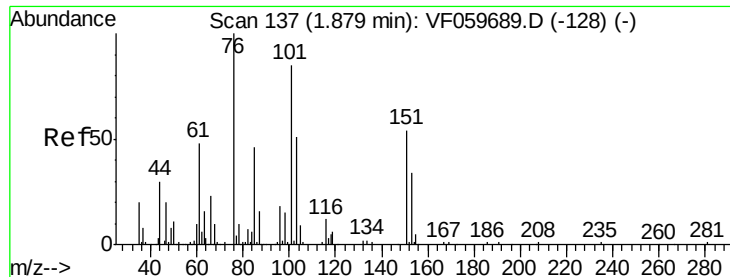
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	43	Resp:	23277
Ion	Ratio	Lower	Upper
43	100		
58	10.8	10.1	15.1





#17

Carbon Disulfide

Concen: 7.13 ug/l m

RT: 1.84 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampled :

VSTDIC05

Tot Ion: 76 Resp: 27946

Ion Ratio Lower Upper

76 100

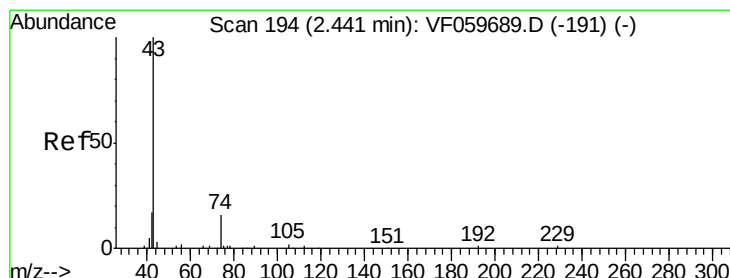
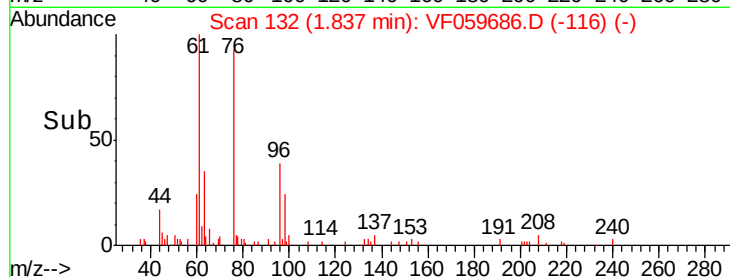
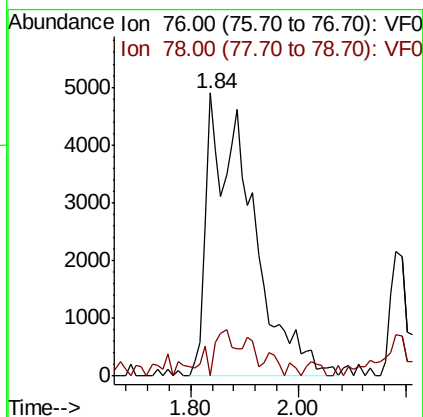
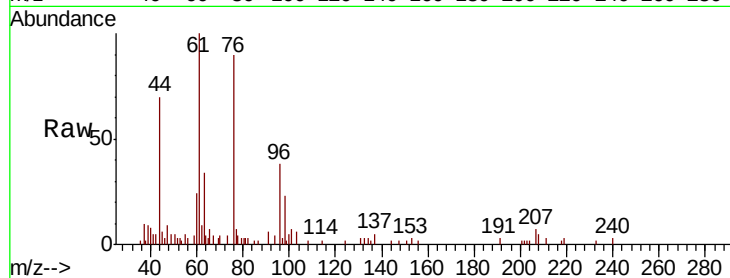
78 0.0 8.9 13.3#

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#18

Methyl Acetate

Concen: 7.87 ug/l m

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF059686.D

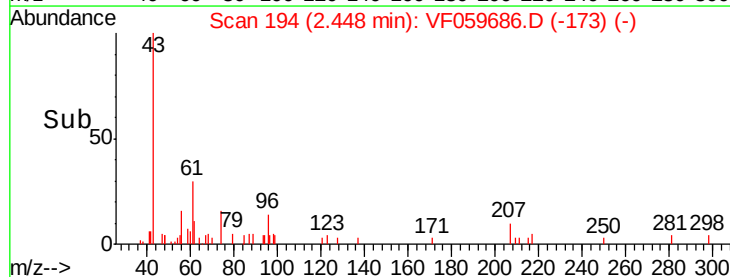
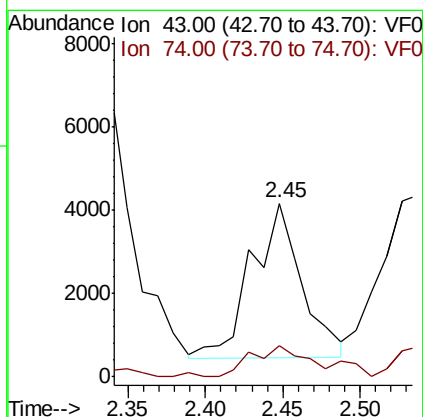
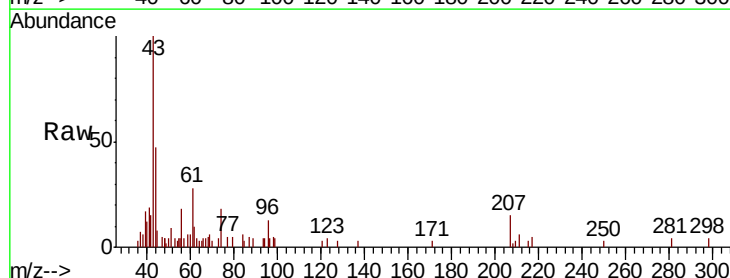
Acq: 30 Jul 2018 13:36

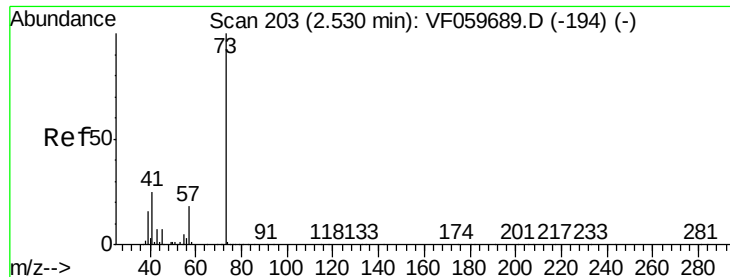
Tgt Ion: 43 Resp: 8317

Ion Ratio Lower Upper

43 100

74 17.7 11.8 17.6#





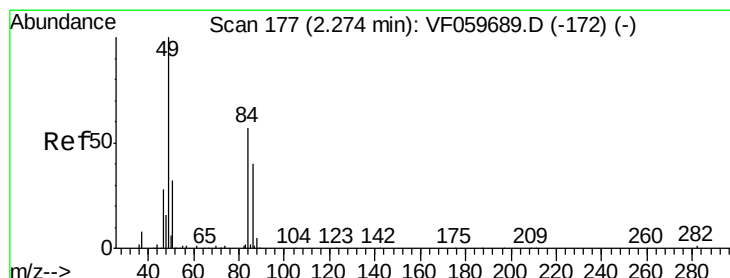
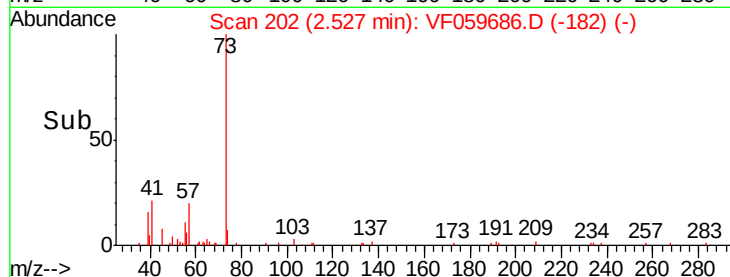
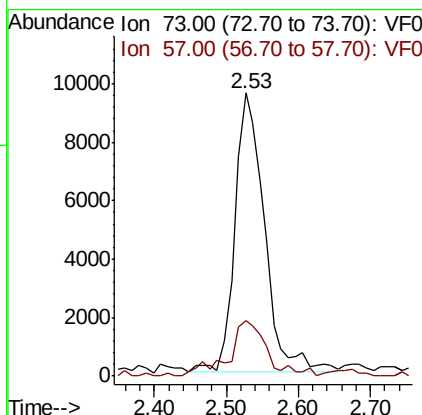
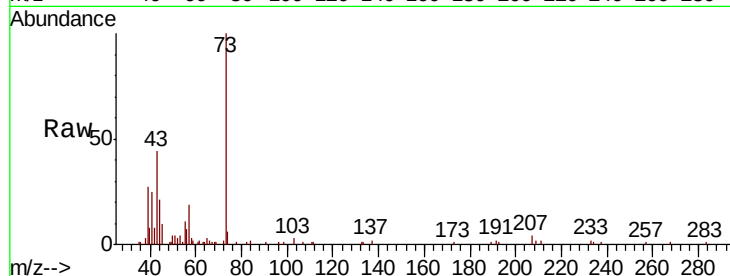
#19
Methyl tert-butyl Ether
Concen: 6.05 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampled :
VSTDIC05

Tot Ion: 73 Resp: 27296
Ion Ratio Lower Upper
73 100
57 19.5 14.2 21.2

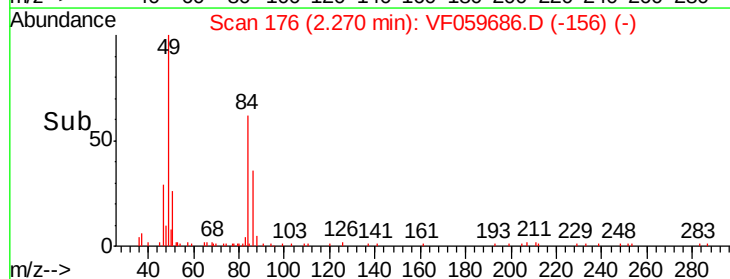
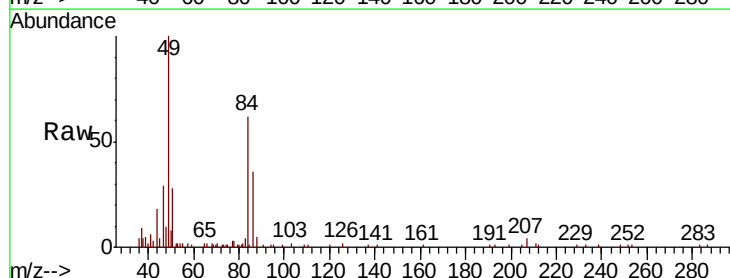
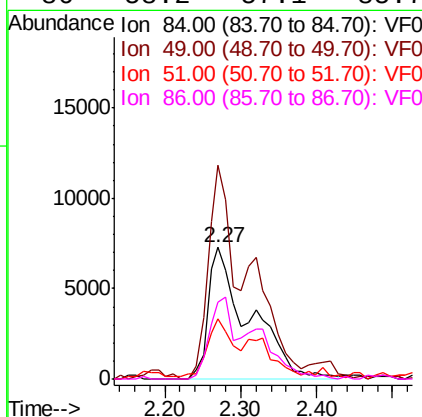
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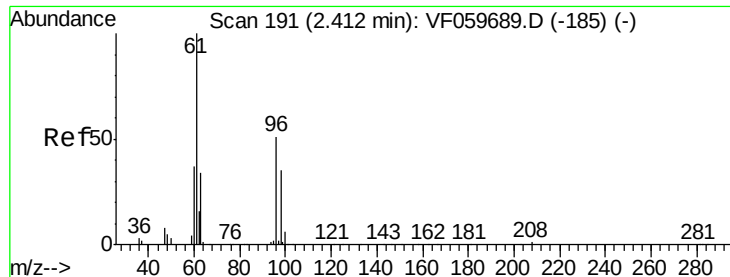
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#20
Methylene Chloride
Concen: 11.84 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion: 84 Resp: 27536
Ion Ratio Lower Upper
84 100
49 162.5 142.2 213.4
51 45.5 46.2 69.2#
86 58.2 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 6.70 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

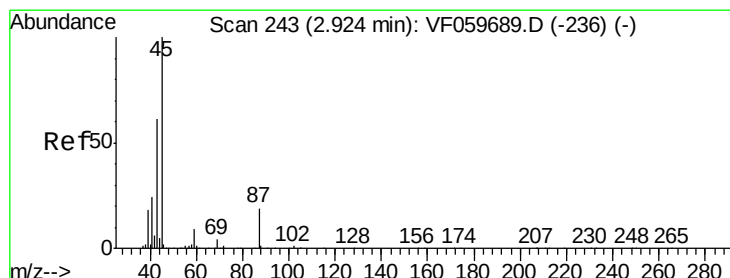
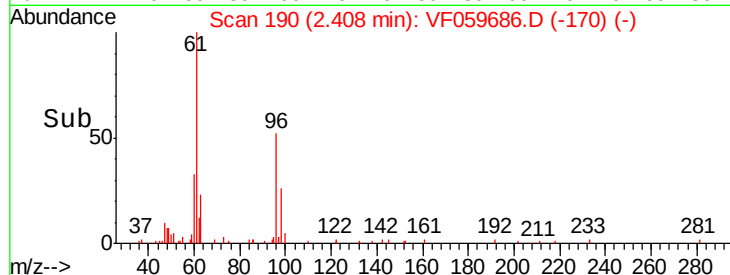
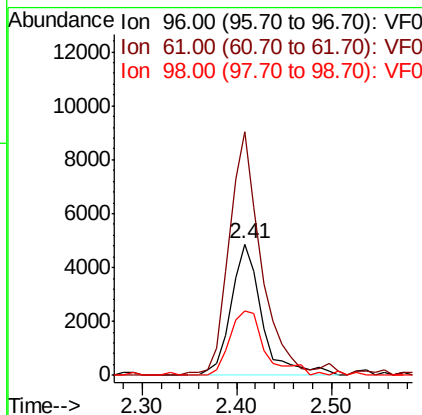
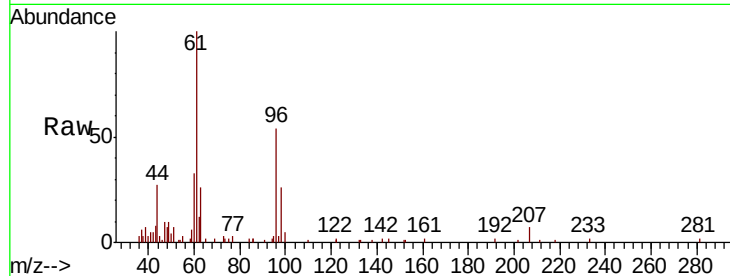
ClientSampleId :

VSTDIC05

Tot Ion:	96	Resp:	11085
Ion Ratio	Lower	Upper	
96	100		
61	185.1	157.4	236.0
98	48.9	55.0	82.4#

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#22

Diisopropyl ether

Concen: 5.71 ug/l

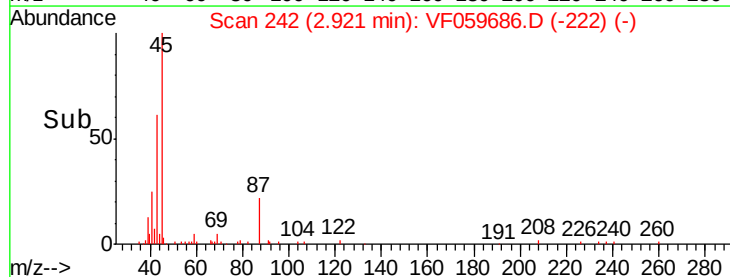
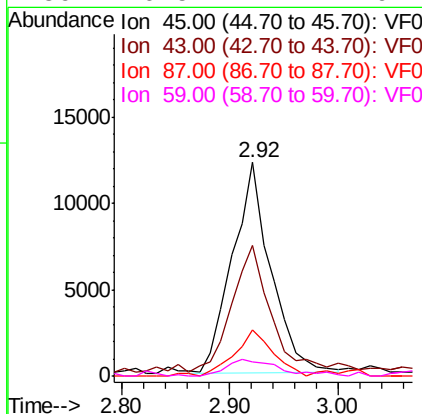
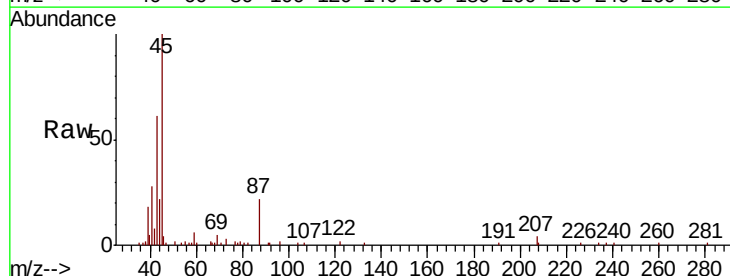
RT: 2.92 min Scan# 242

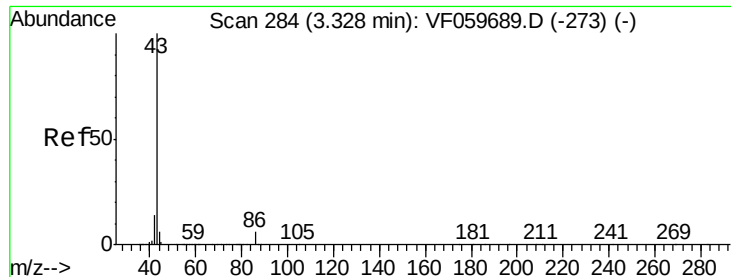
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	45	Resp:	30116
Ion Ratio	Lower	Upper	
45	100		
43	61.2	49.3	73.9
87	21.6	15.3	22.9
59	6.5	7.1	10.7#





#23

Vinyl Acetate

Concen: 26.74 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 43 Resp: 69921

Ion Ratio Lower Upper

43 100

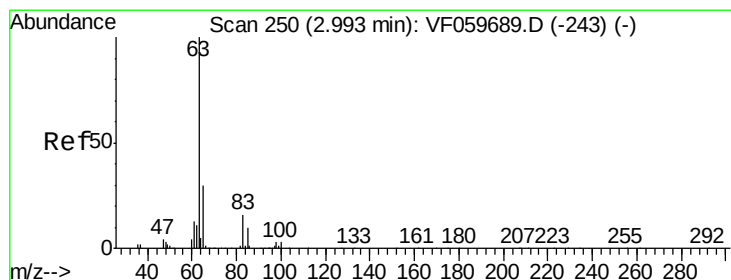
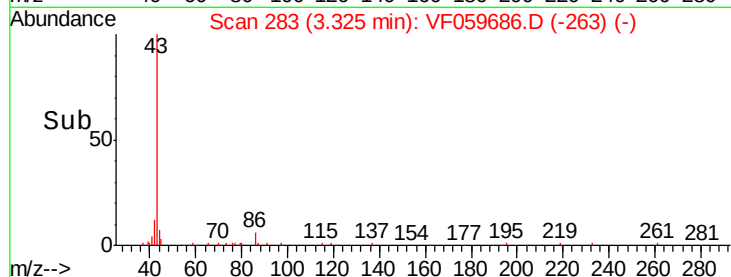
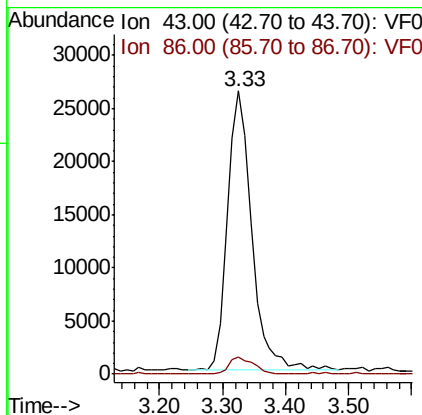
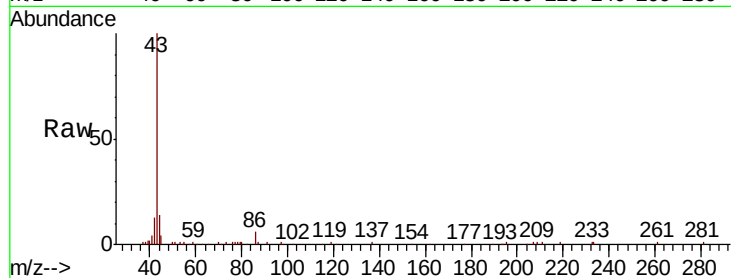
86 5.9 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 5.76 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

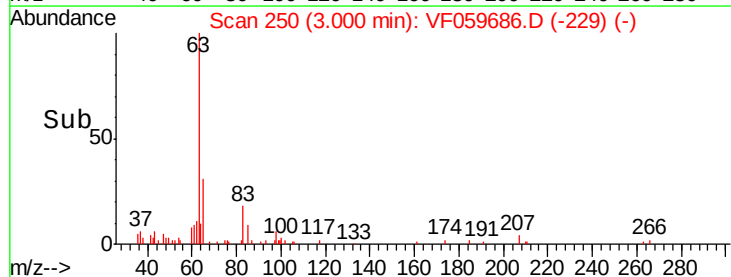
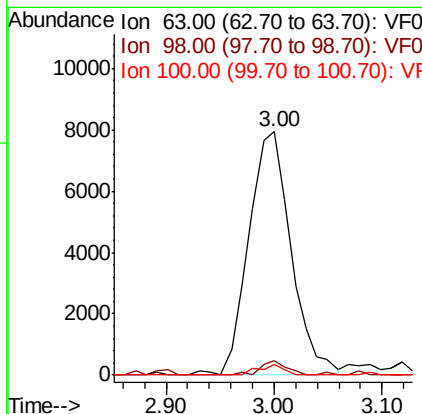
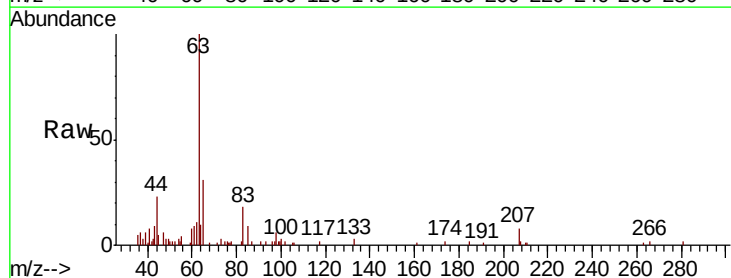
Tgt Ion: 63 Resp: 21603

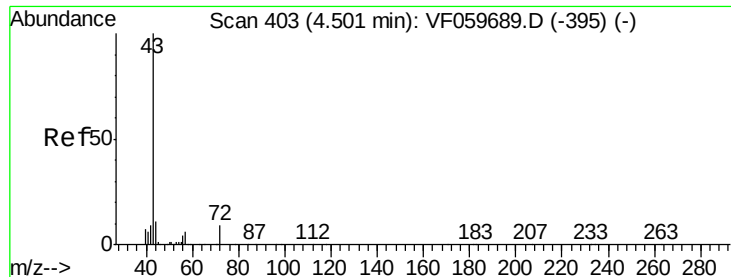
Ion Ratio Lower Upper

63 100

98 5.8 1.4 4.2#

100 4.4 1.6 4.7





#25

2-Butanone

Concen: 29.54 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 43 Resp: 20559

Ion Ratio Lower Upper

43 100

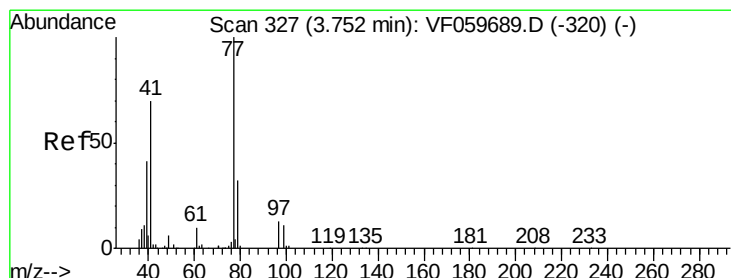
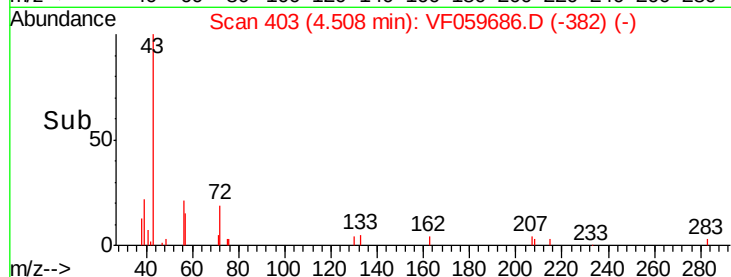
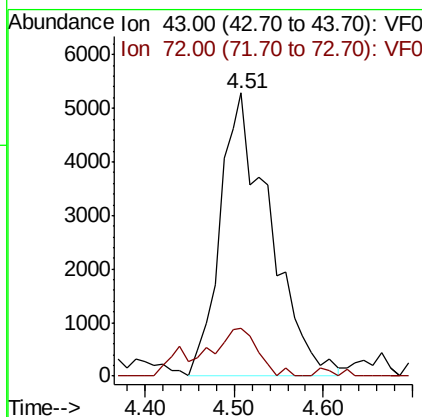
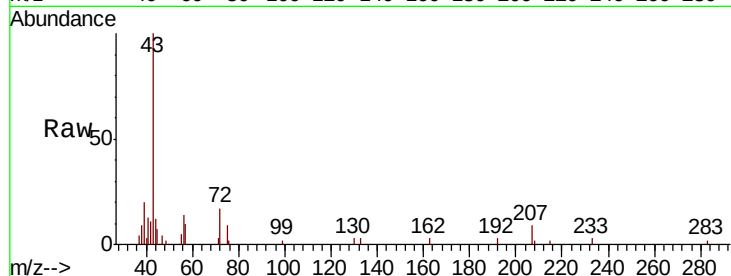
72 17.1 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 5.93 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059686.D

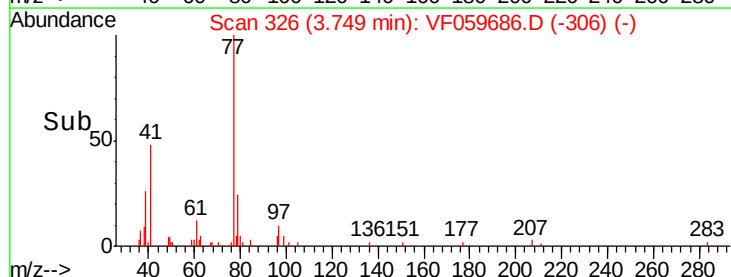
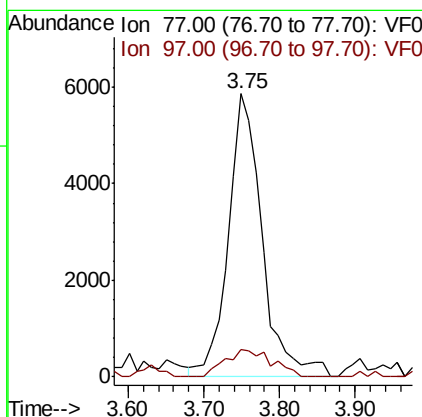
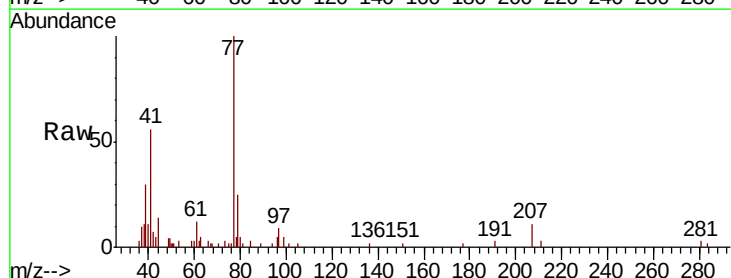
Acq: 30 Jul 2018 13:36

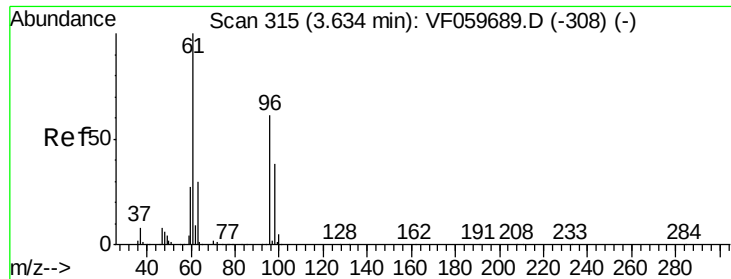
Tgt Ion: 77 Resp: 18095

Ion Ratio Lower Upper

77 100

97 9.5 6.8 20.4





#27

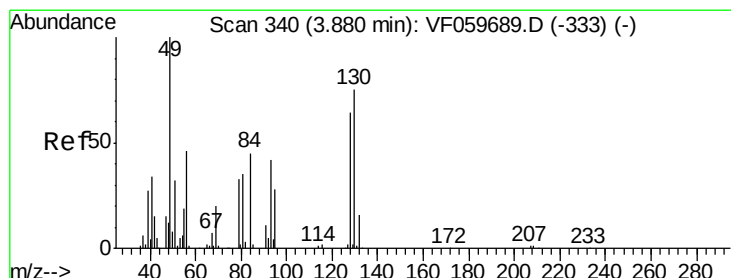
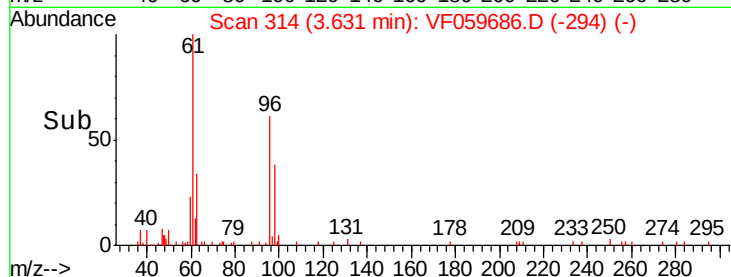
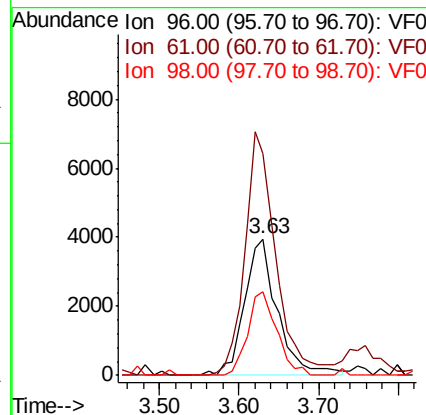
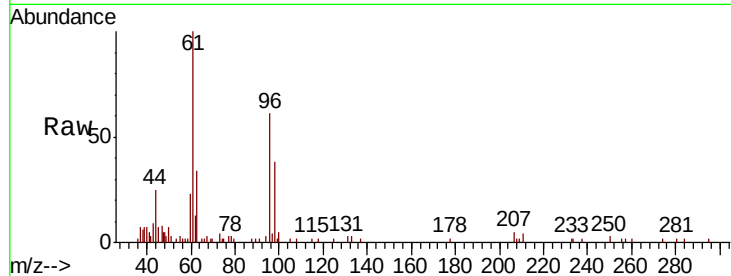
cis-1,2-Dichloroethene
Concen: 5.81 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	326.8
98	61.3	0.0	125.2

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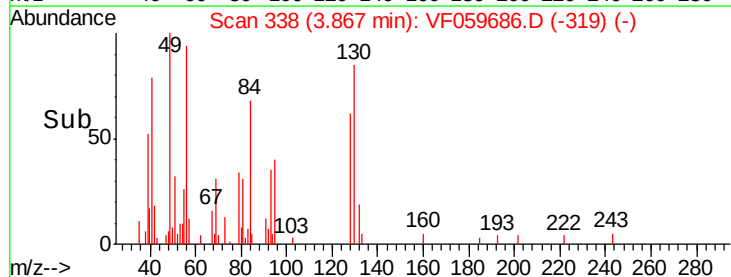
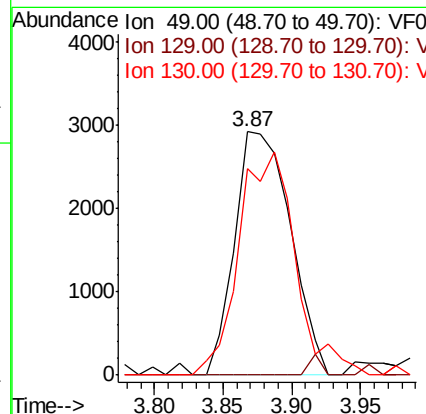
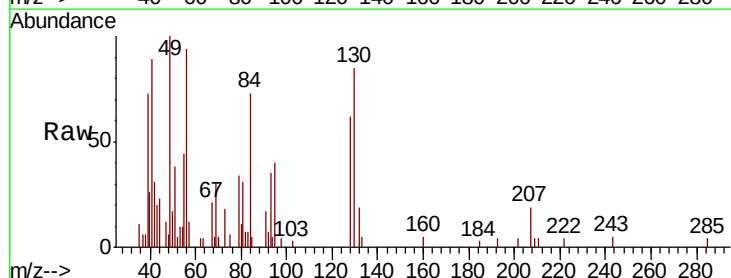
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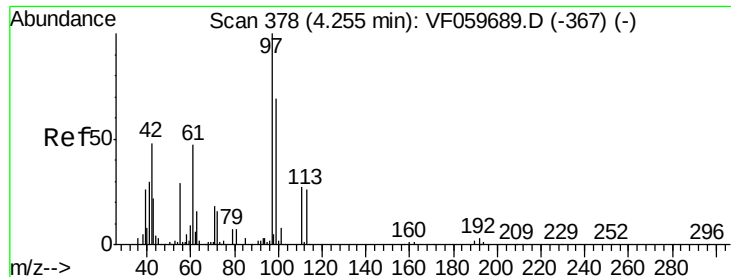


#28

Bromochloromethane
Concen: 5.97 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	84.9	59.6	89.4





#29

Tetrahydrofuran

Concen: 36.00 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

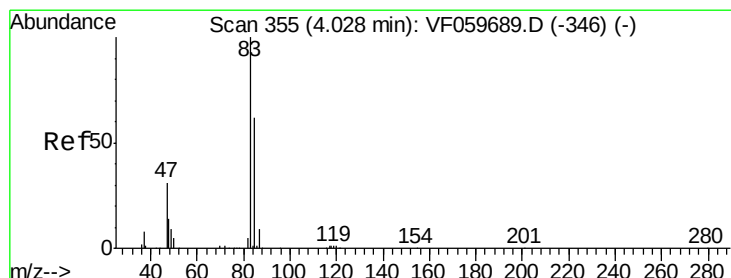
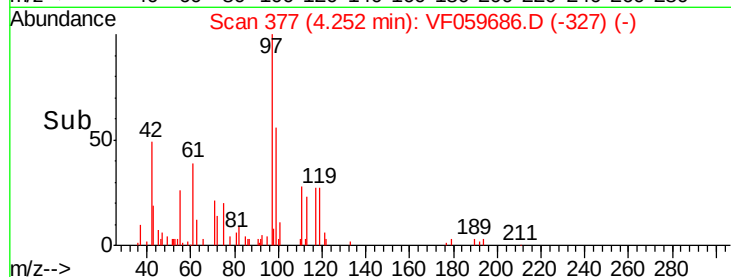
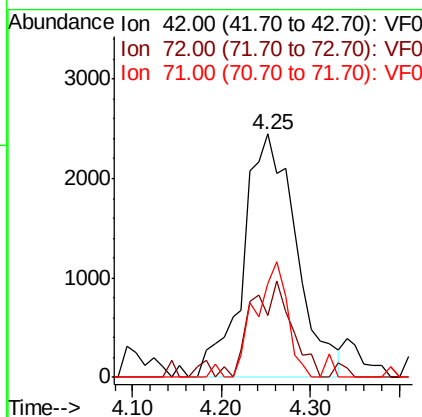
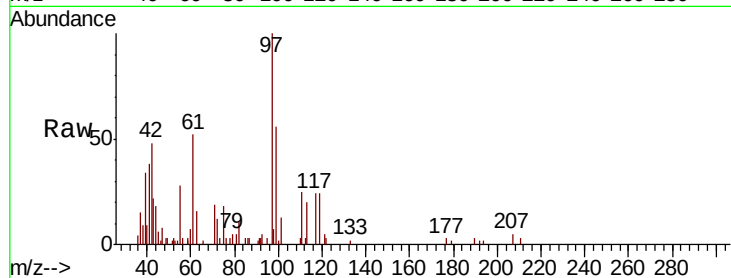
ClientSampleId :

VSTDIC05

Tot Ion	42	Resp	10056
Ion Ratio	Lower	Upper	
42	100		
72	15.3	27.0	40.6#
71	28.6	29.7	44.5#

Manual Integrations
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#30

Chloroform

Concen: 5.89 ug/l

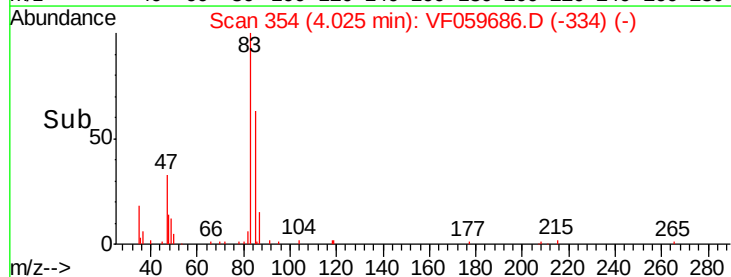
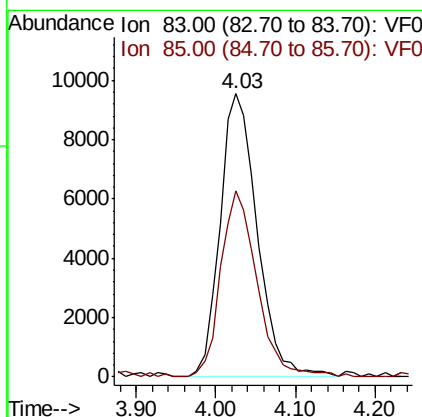
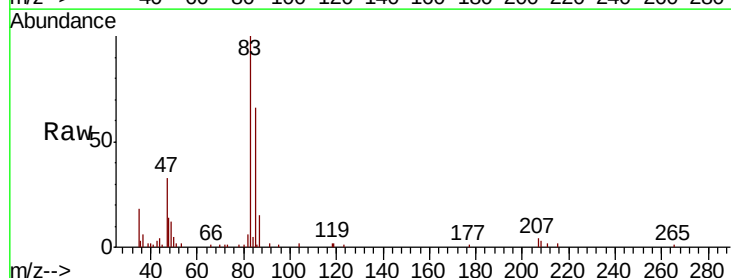
RT: 4.03 min Scan# 354

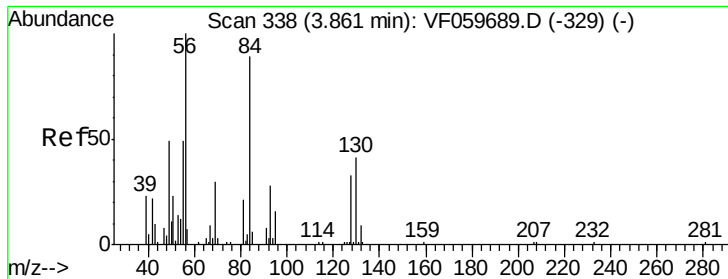
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion	83	Resp	31219
Ion Ratio	Lower	Upper	
83	100		
85	65.9	49.4	74.0





#31

Cyclohexane

Concen: 6.32 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

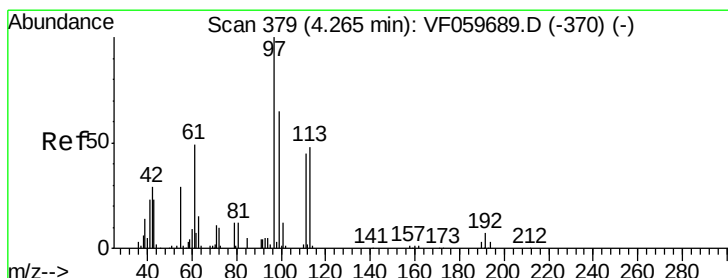
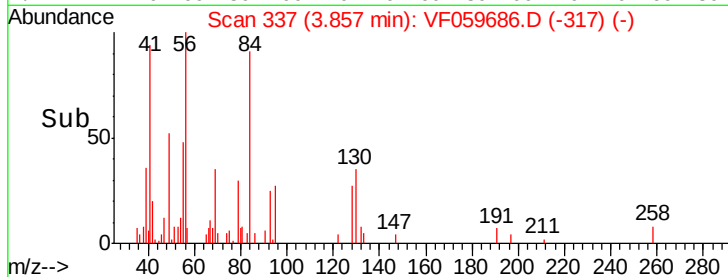
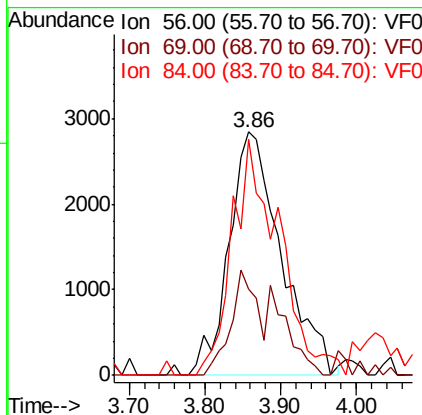
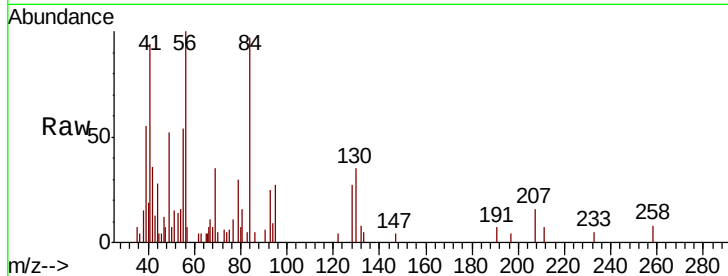
ClientSampleId :

VSTDIC05

Tot Ion:	56	Resp:	13622
Ion	Ratio	Lower	Upper
56	100		
69	35.2	23.7	35.5
84	97.0	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.28 ug/l

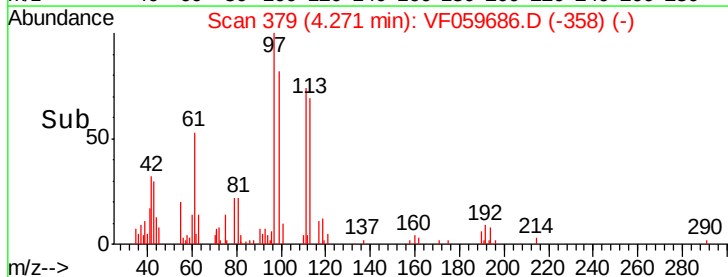
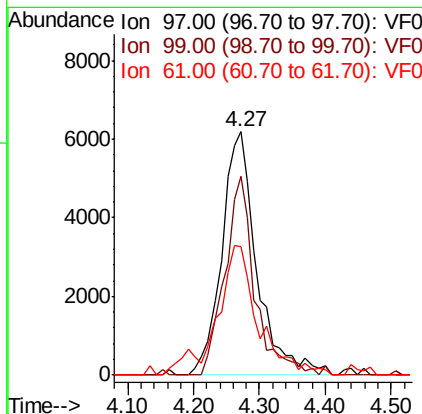
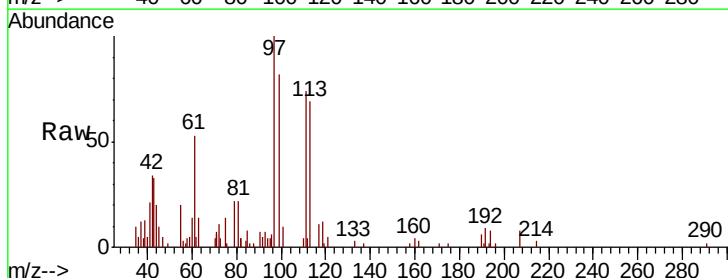
RT: 4.27 min Scan# 379

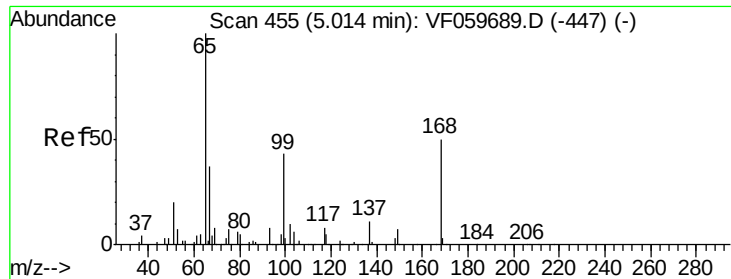
Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	97	Resp:	22964
Ion	Ratio	Lower	Upper
97	100		
99	81.7	52.4	78.6#
61	52.6	39.7	59.5





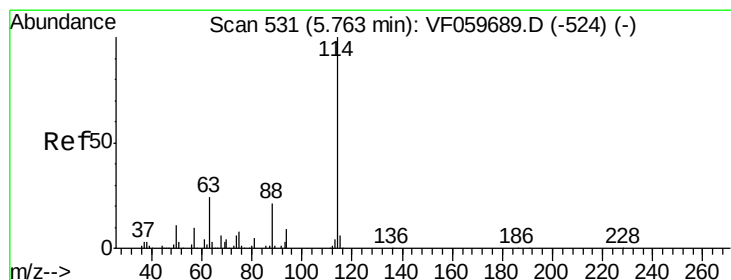
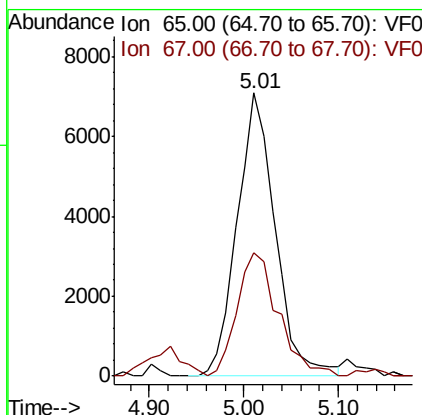
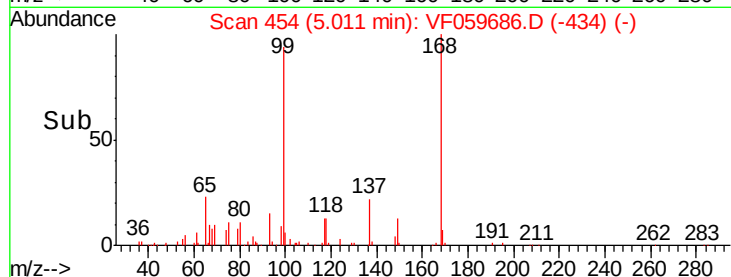
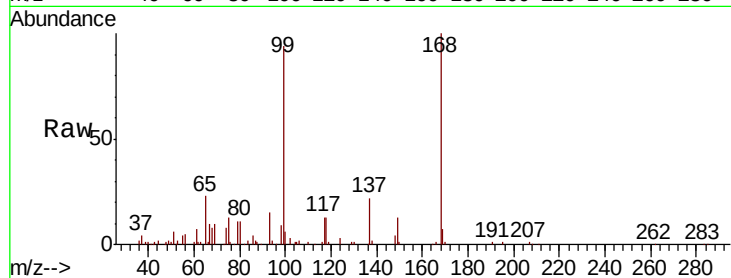
#33
 1,2-Dichloroethane-d4
 Concen: 5.71 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.6	0.0	84.6

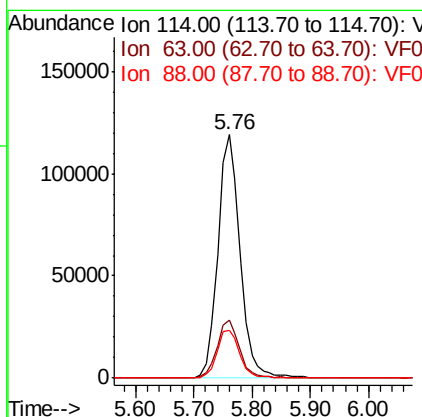
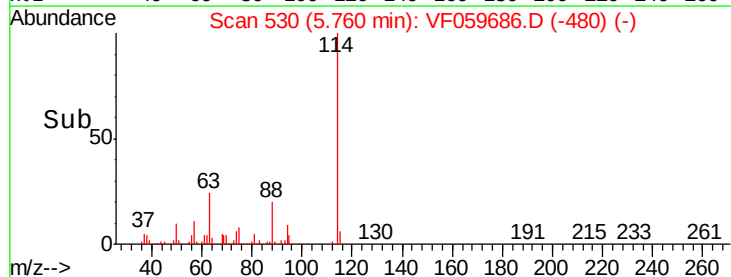
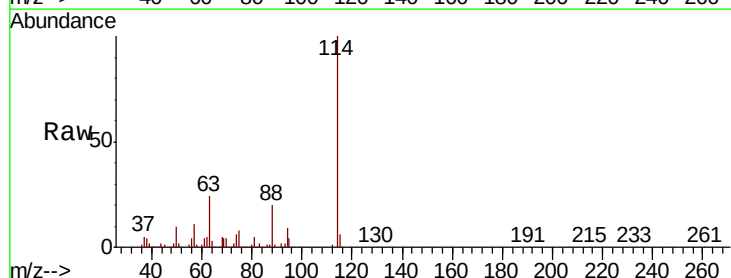
Manual Integrations
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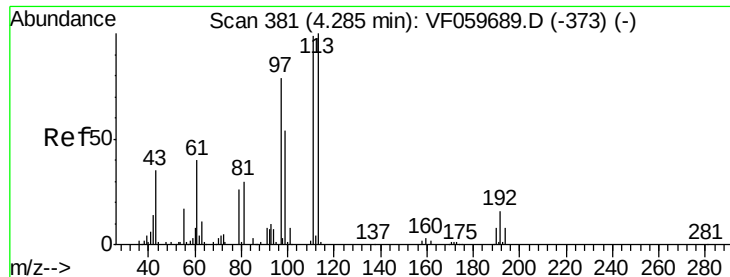
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	47.4
88	19.5	0.0	41.2





#35

Dibromofluoromethane

Concen: 5.41 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

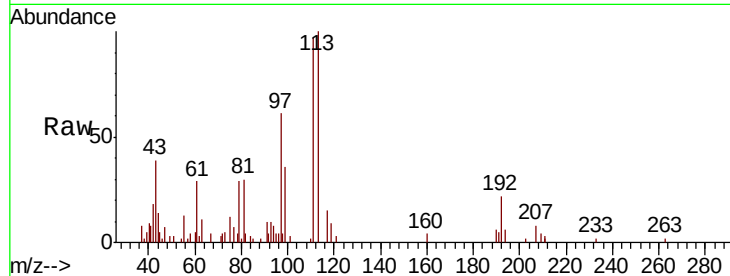
ClientSampleId :

VSTDIC05

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.2	79.0	118.4
192	21.8	13.2	19.8#

Manual Integrations
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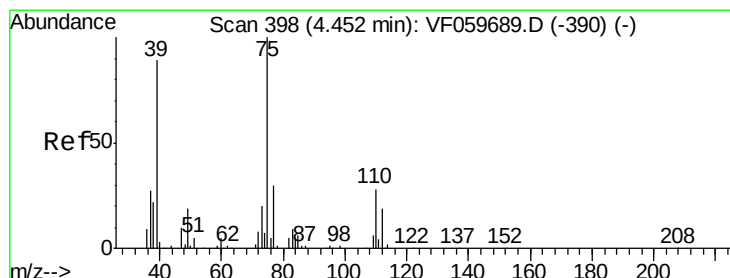
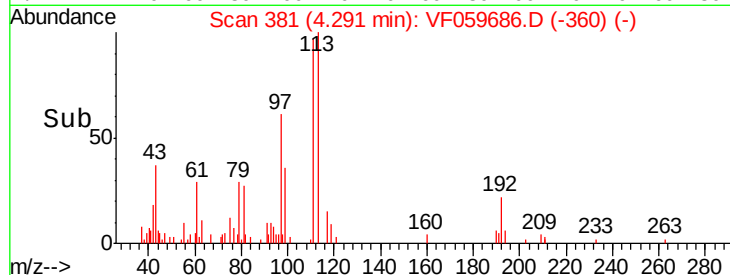
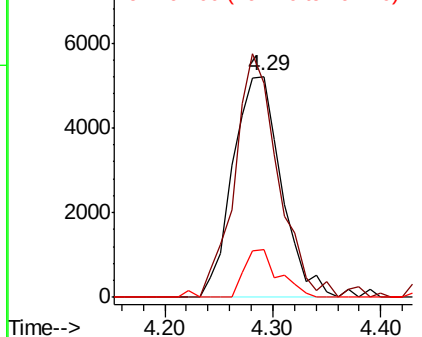


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 5.77 ug/l

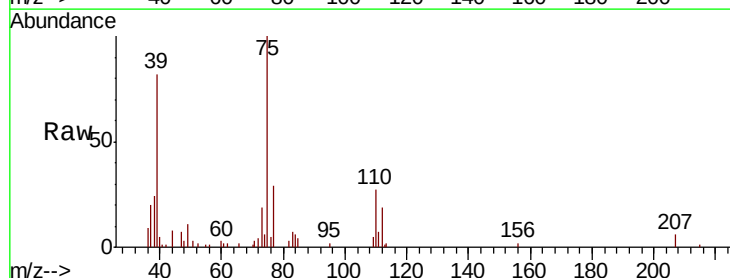
RT: 4.45 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.5	14.0	41.9
77	29.5	24.2	36.2

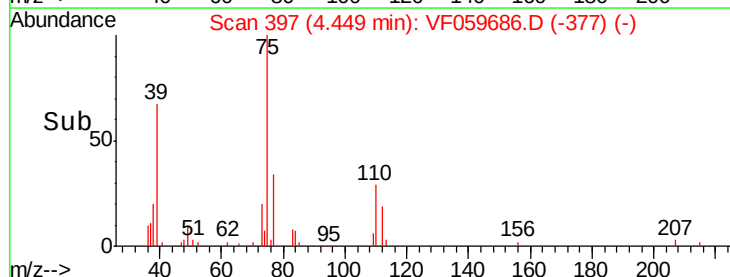
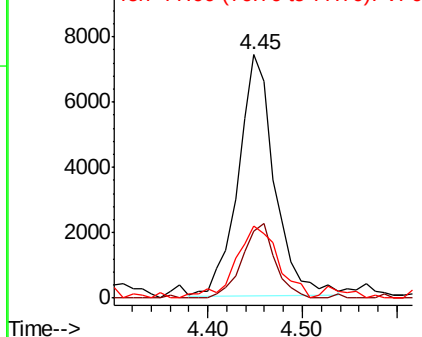


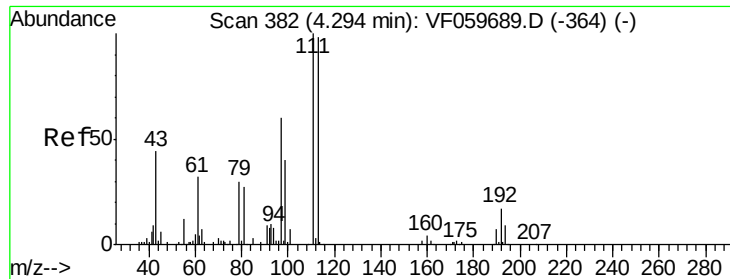
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





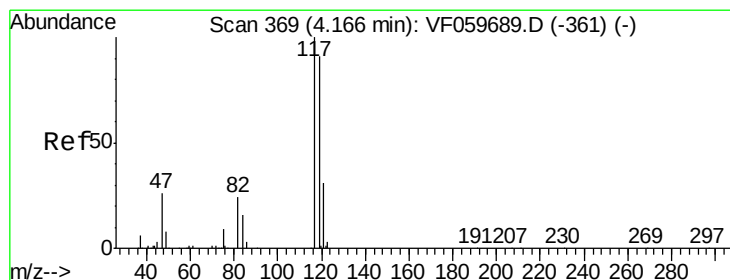
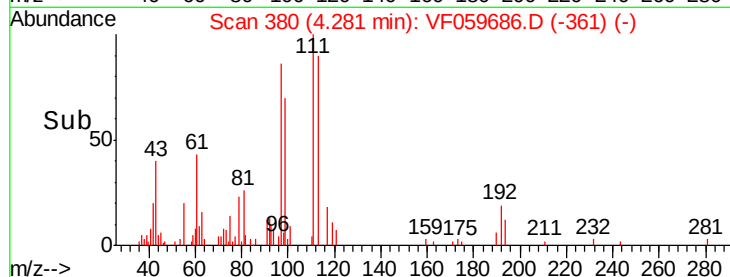
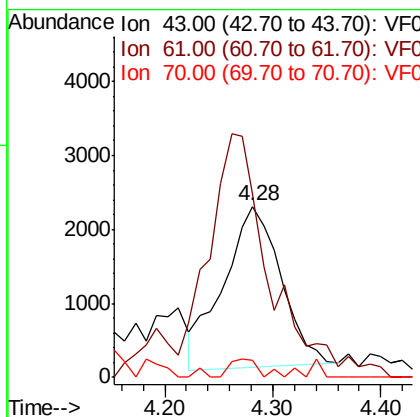
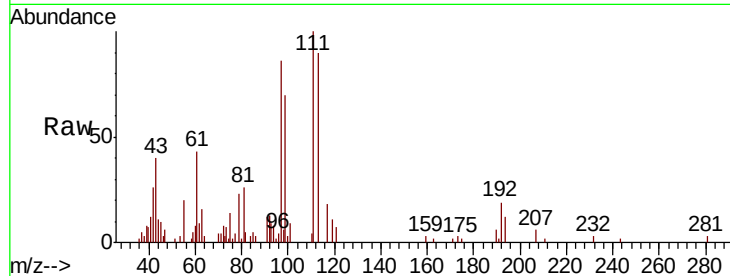
#37
Ethyl Acetate
Concen: 5.47 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	43	61	70
Resp:	8118		
Ratio	100	107.1	10.0
Lower		58.2	6.0
Upper		87.2#	9.0#

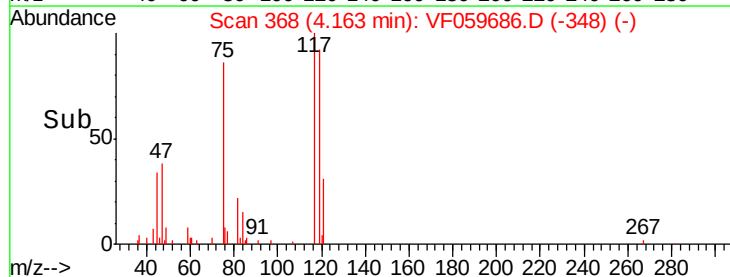
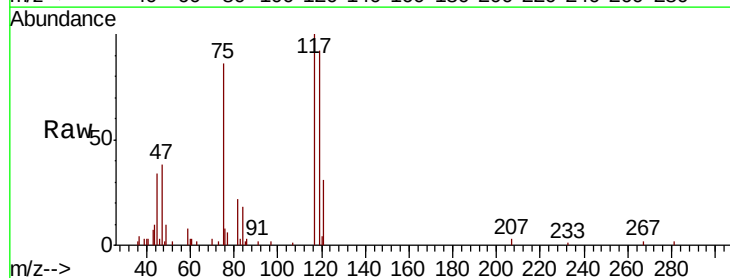
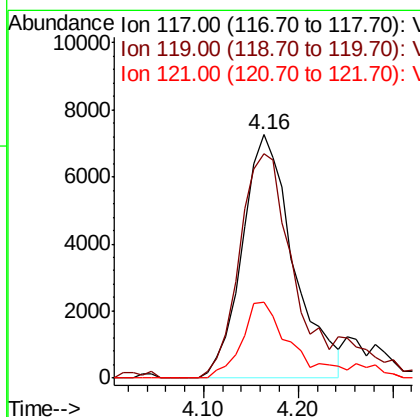
Manual Integrations
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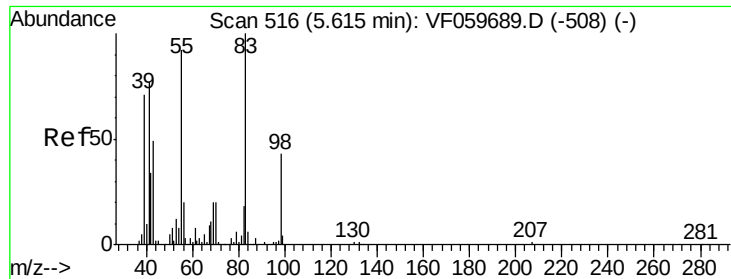
apatel
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#38
Carbon Tetrachloride
Concen: 5.47 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	117	119	121
Resp:	27347		
Ratio	100	92.1	31.0
Lower		72.9	25.0
Upper		109.3	37.4





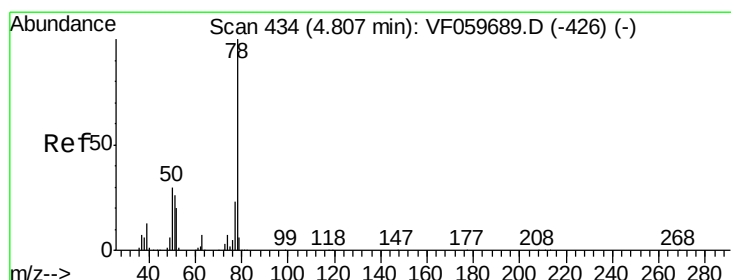
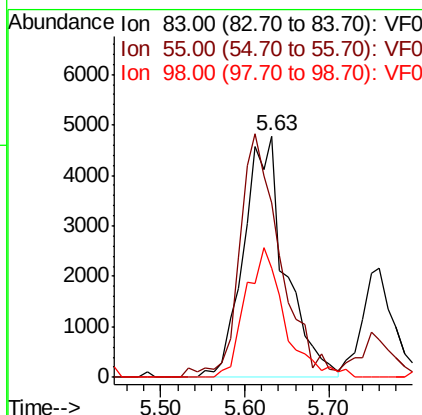
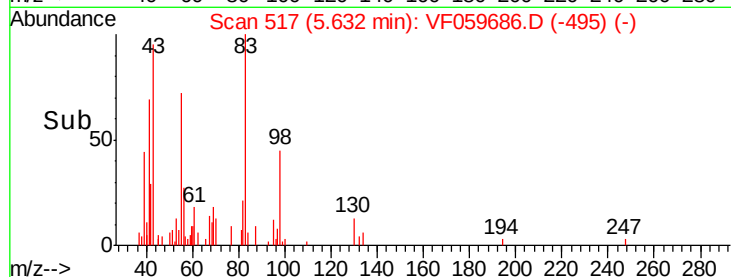
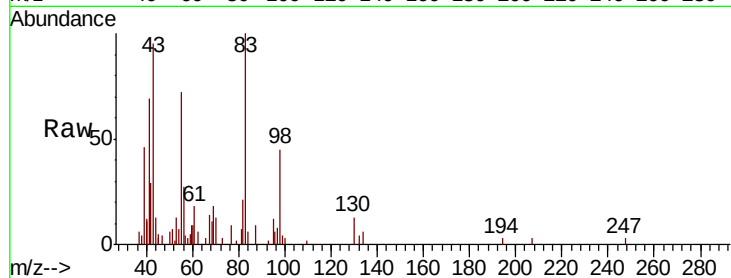
#39
Methylcyclohexane
Concen: 5.96 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	73.4	110.2#
98	45.3	34.2	51.4

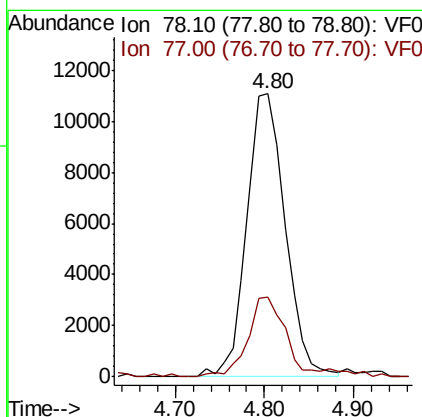
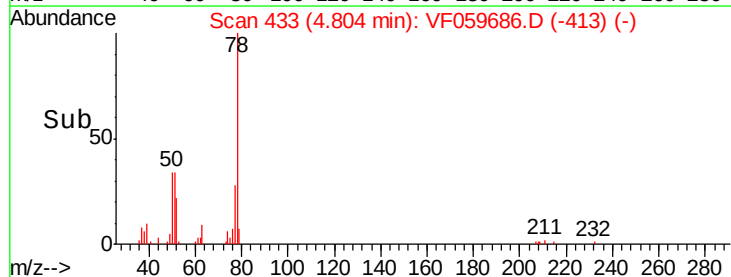
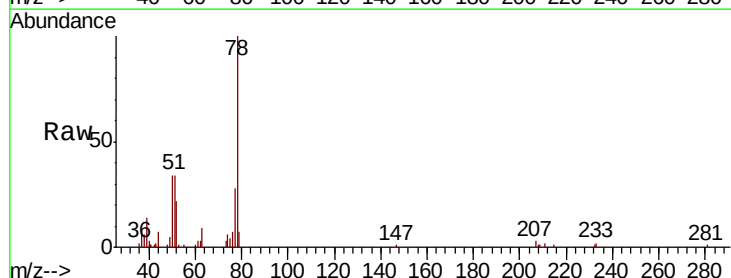
Manual Integrations
APPROVED

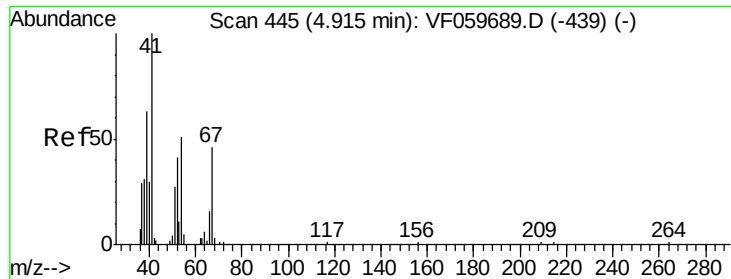
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#40
Benzene
Concen: 5.49 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.3	18.9	28.3#





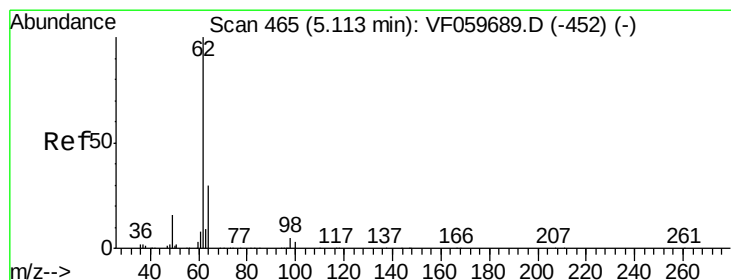
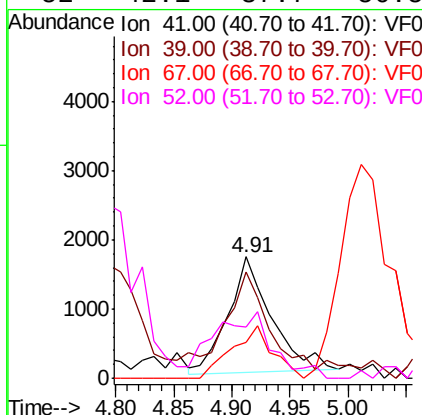
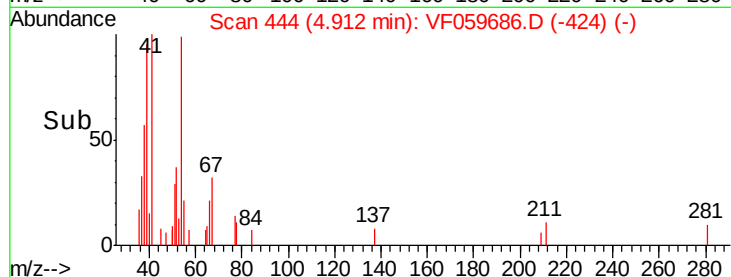
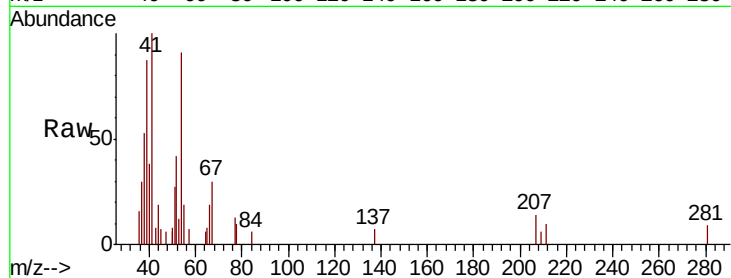
#41
Methacrylonitrile
Concen: 5.86 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.5	55.2	82.8#
67	29.9	36.2	54.2#
52	42.1	37.7	56.5

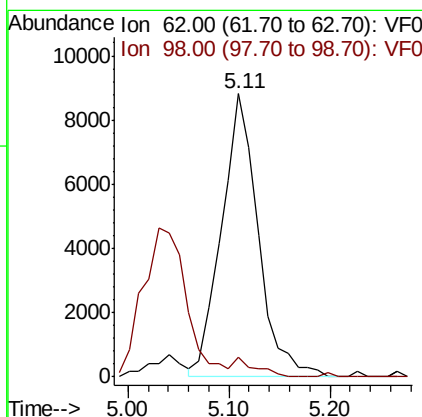
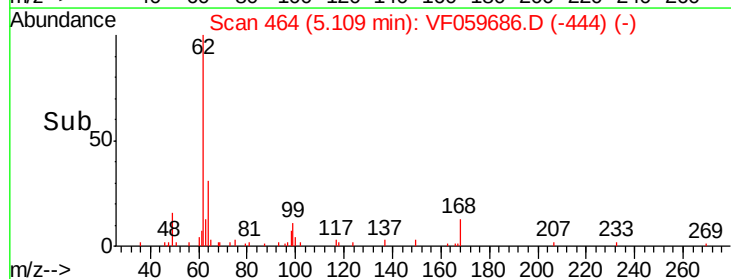
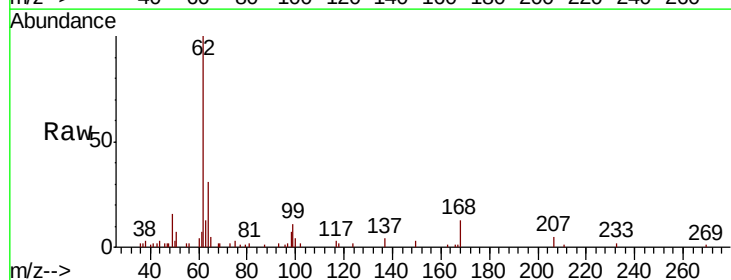
Manual Integrations
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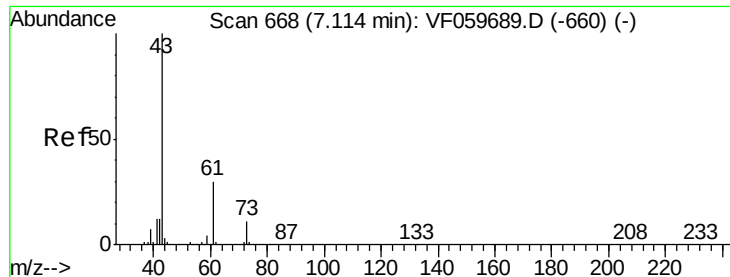
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#42
1,2-Dichloroethane
Concen: 5.67 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	9.6





#43

Isopropyl Acetate

Concen: 4.90 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

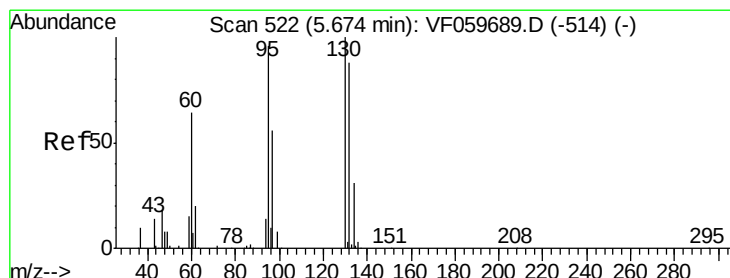
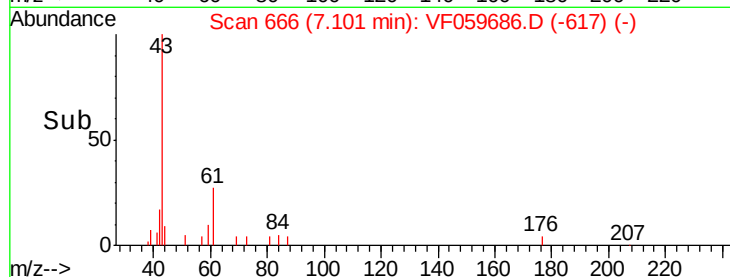
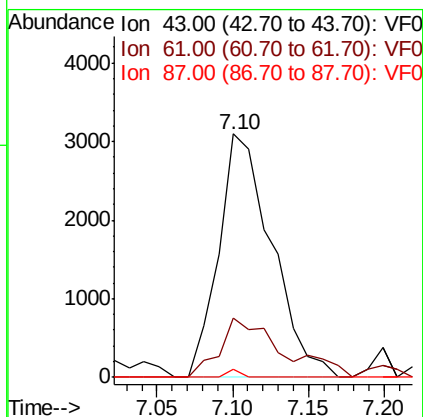
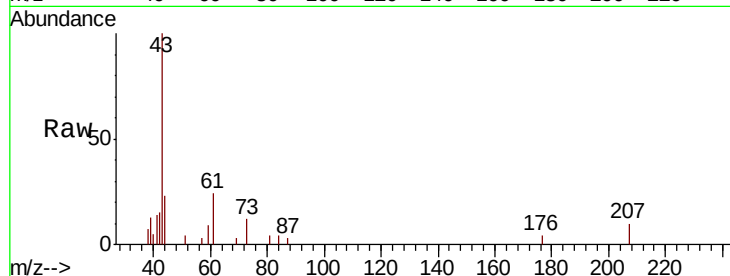
ClientSampleId :

VSTDIC05

Tot Ion:	43	Resp:	7543
Ion	Ratio	Lower	Upper
43	100		
61	24.5	23.8	35.8
87	3.5	0.6	1.0#

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#44

Trichloroethene

Concen: 5.58 ug/l

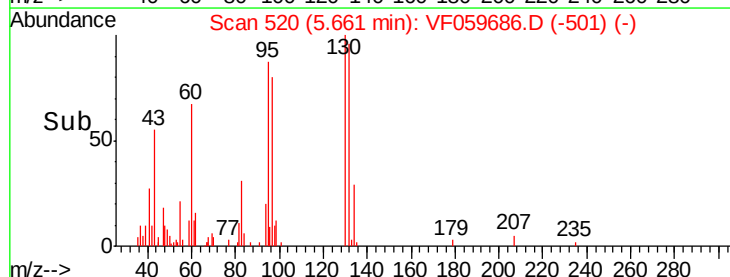
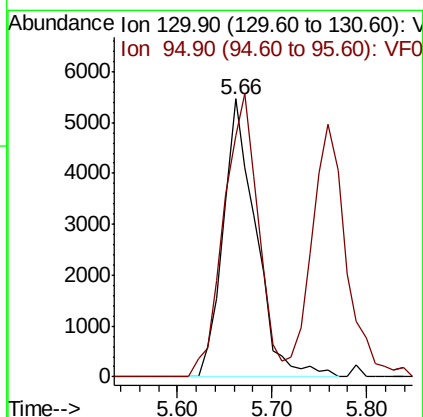
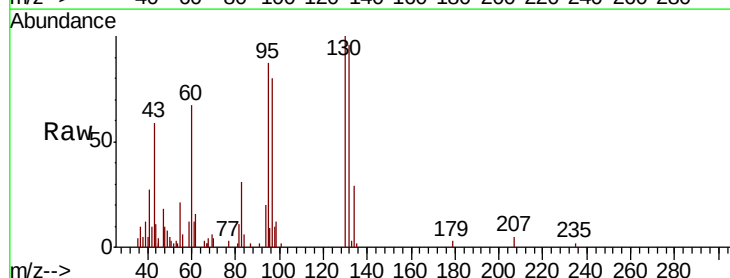
RT: 5.66 min Scan# 520

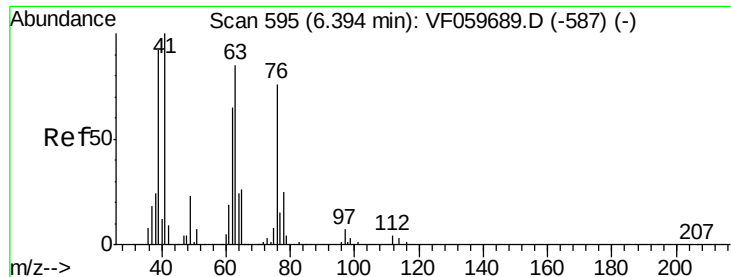
Delta R.T. -0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	130	Resp:	13078
Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	191.0





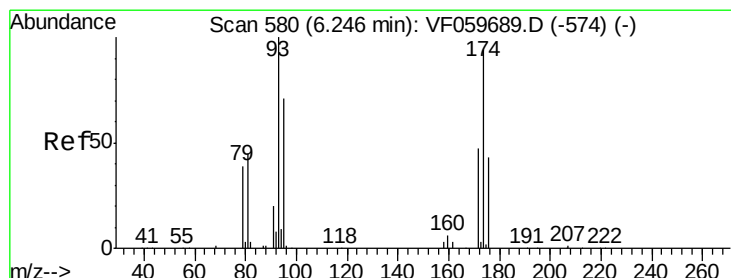
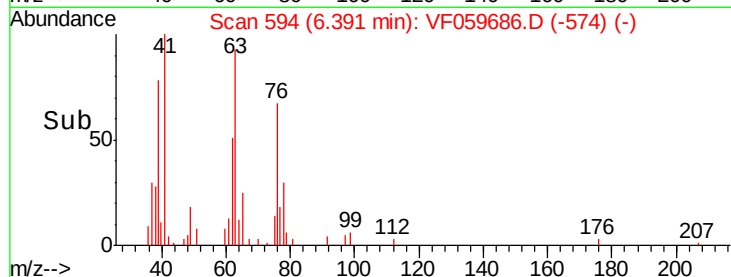
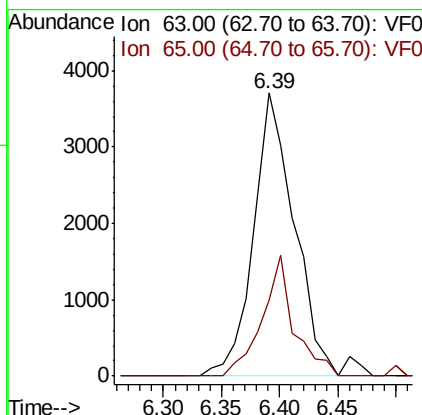
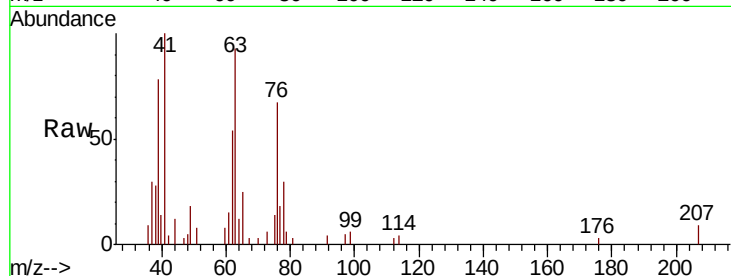
#45
 1,2-Dichloropropane
 Concen: 5.58 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion: 63 Resp: 8974
 Ion Ratio Lower Upper
 63 100
 65 26.9 25.2 37.8

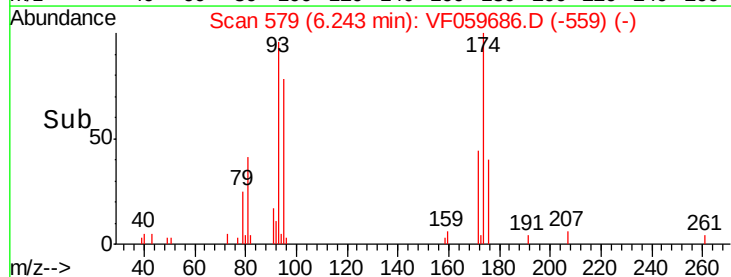
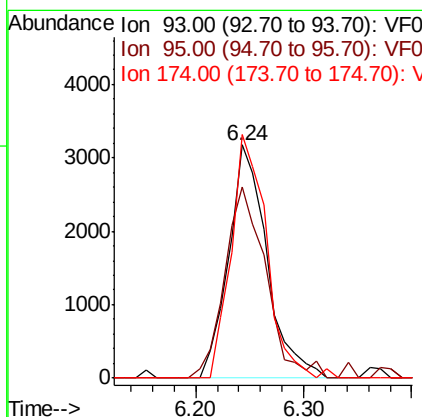
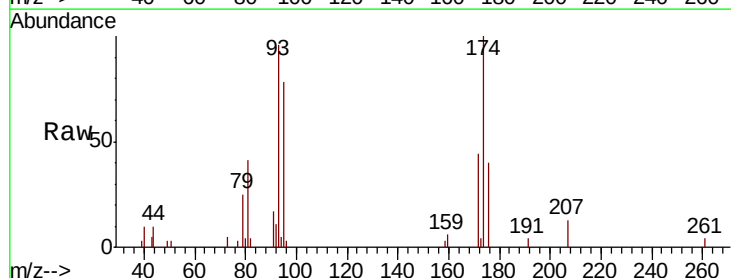
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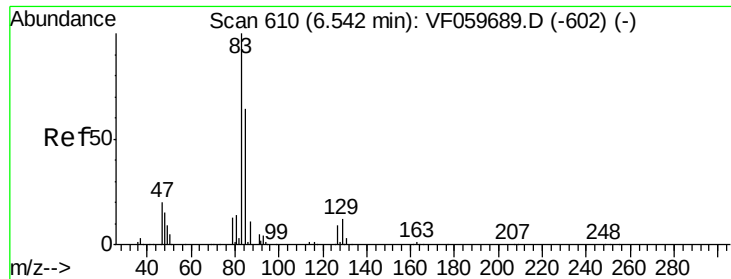
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#46
 Dibromomethane
 Concen: 5.61 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion: 93 Resp: 7833
 Ion Ratio Lower Upper
 93 100
 95 81.9 57.1 85.7
 174 104.5 74.8 112.2





#47

Bromodichloromethane

Concen: 5.65 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

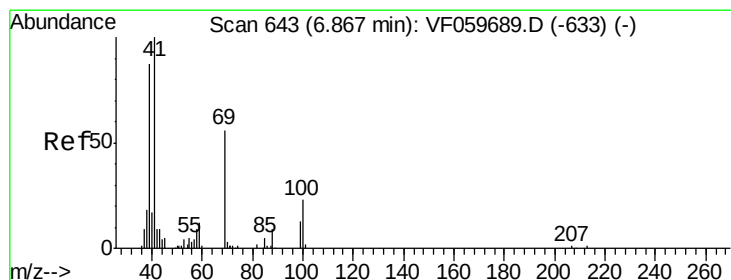
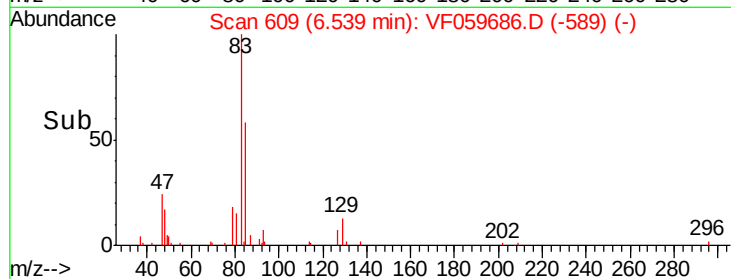
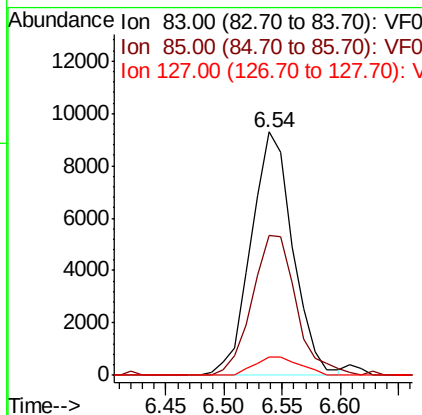
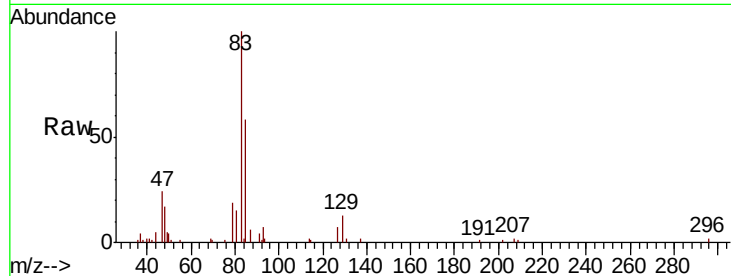
ClientSampleId :

VSTDIC05

Tot Ion:	83	Resp:	23113
Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.0	76.6
127	7.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.64 ug/l

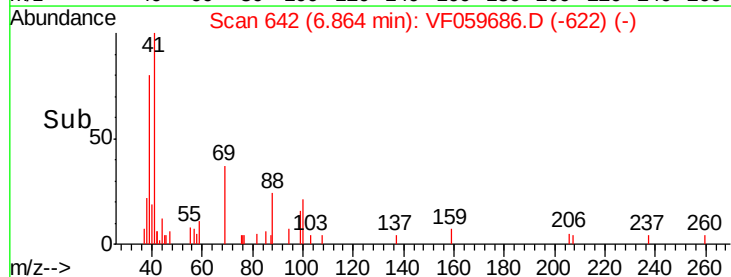
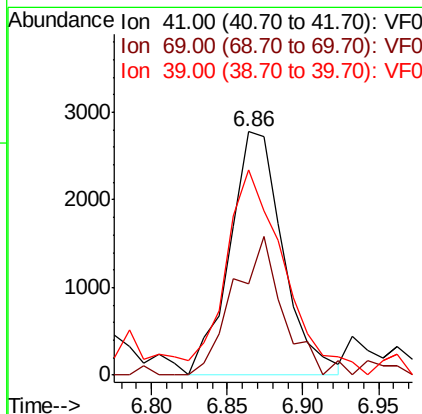
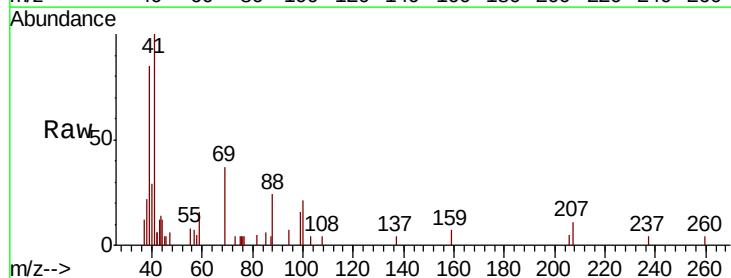
RT: 6.86 min Scan# 642

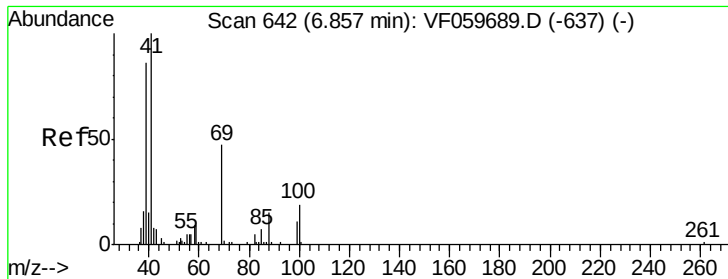
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	41	Resp:	6809
Ion	Ratio	Lower	Upper
41	100		
69	37.5	44.4	66.6#
39	84.6	69.4	104.2





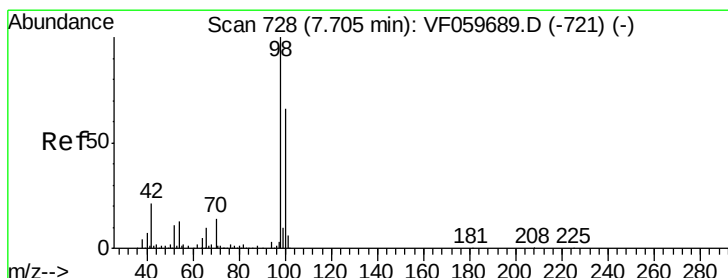
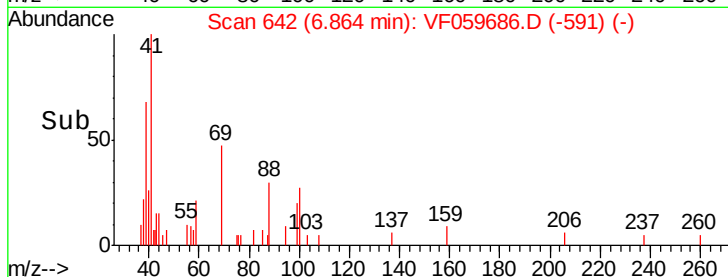
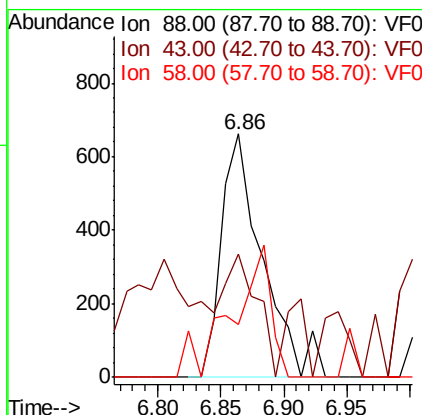
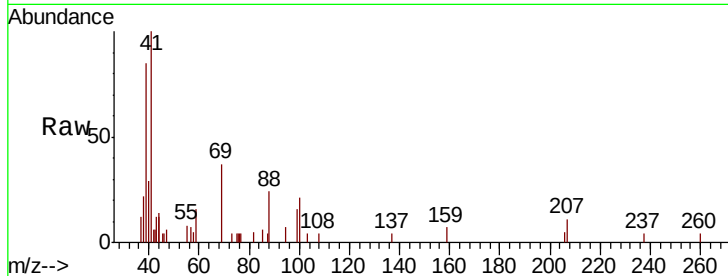
#49
1,4-Dioxane
Concen: 155.31 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.5	45.2	67.8
58	21.8	49.0	73.6

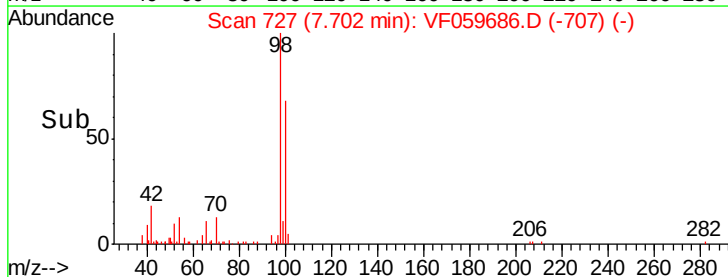
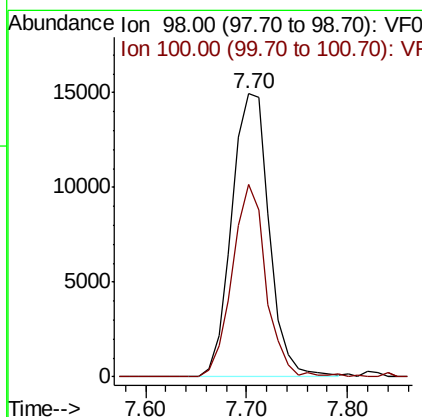
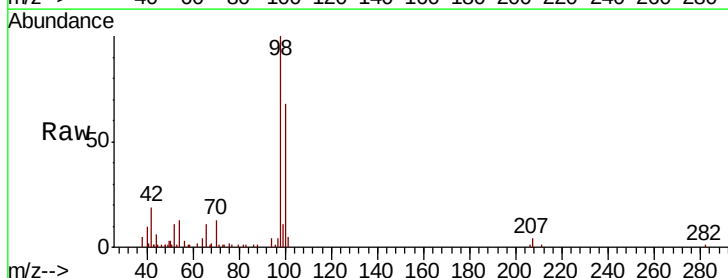
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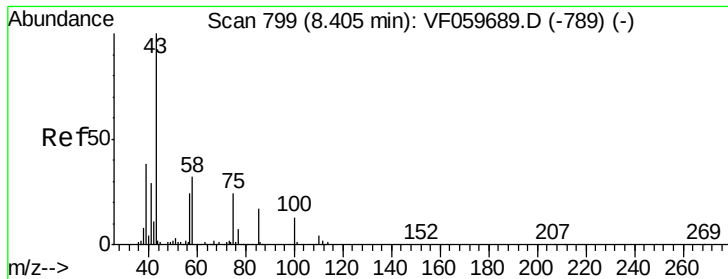
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#50
Toluene-d8
Concen: 5.33 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 29.40 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 43 Resp: 36385

Ion Ratio Lower Upper

43 100

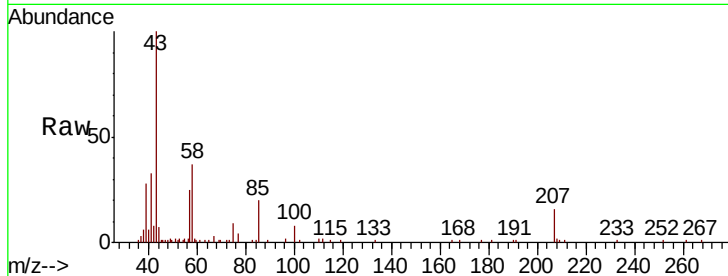
58 37.2 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

15000

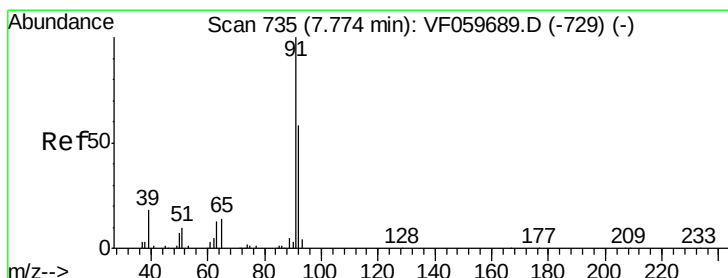
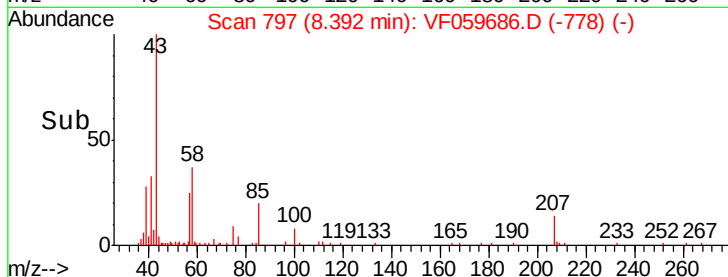
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 5.68 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059686.D

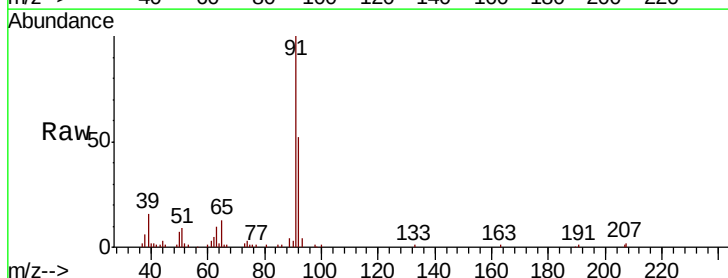
Acq: 30 Jul 2018 13:36

Tgt Ion: 92 Resp: 25518

Ion Ratio Lower Upper

92 100

91 192.2 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

25000

20000

15000

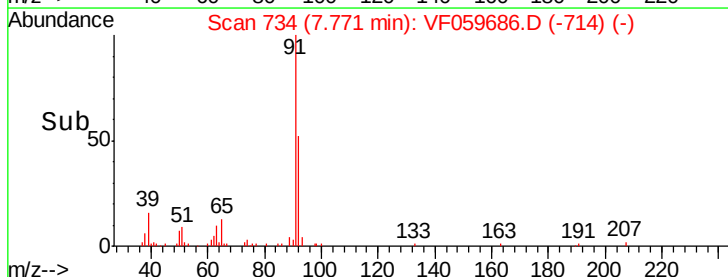
10000

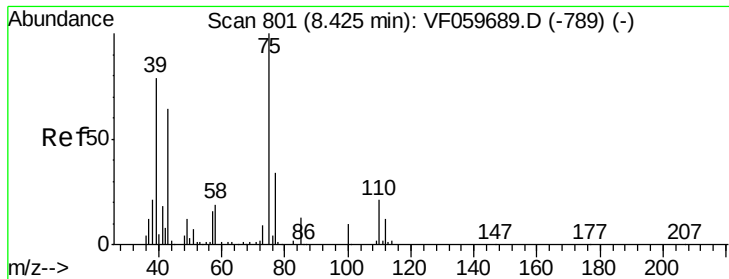
5000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.68 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 75 Resp: 18589

Ion Ratio Lower Upper

75 100

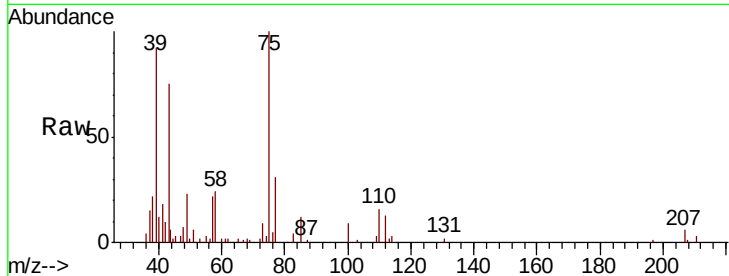
77 31.3 27.0 40.4

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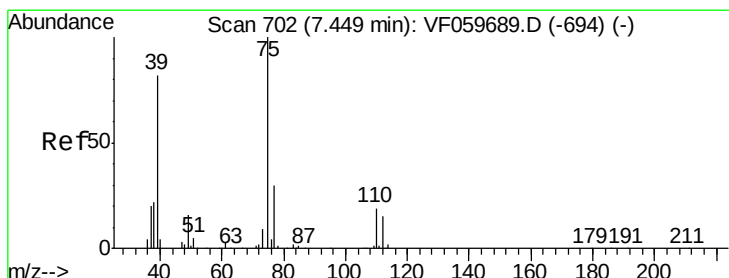
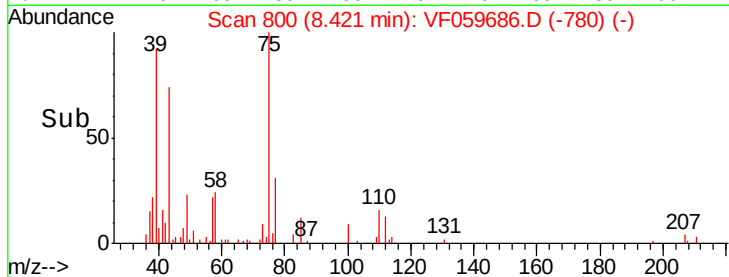
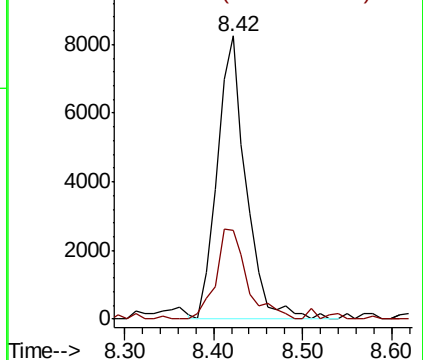
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 5.57 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

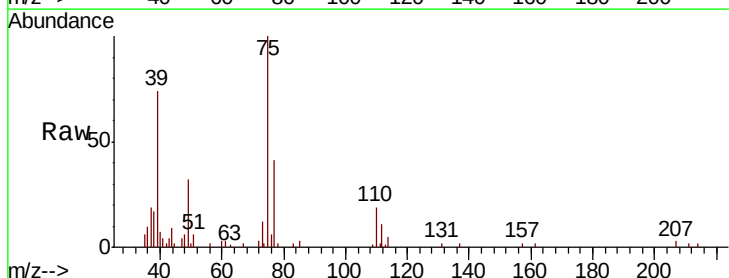
Tgt Ion: 75 Resp: 18898

Ion Ratio Lower Upper

75 100

77 40.8 24.0 36.0#

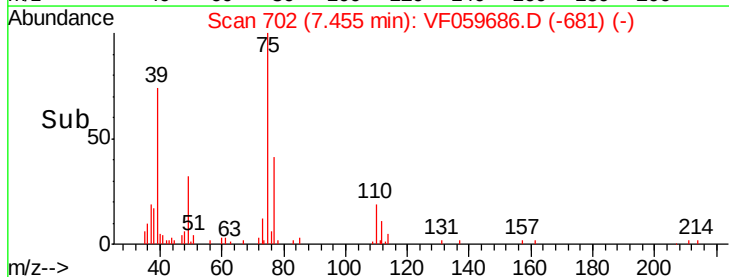
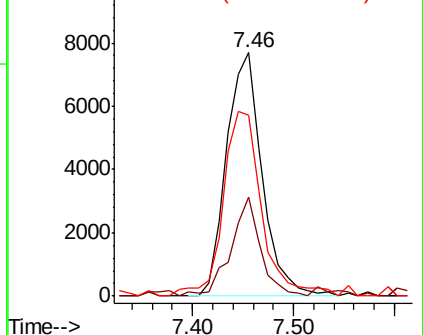
39 74.4 65.4 98.2

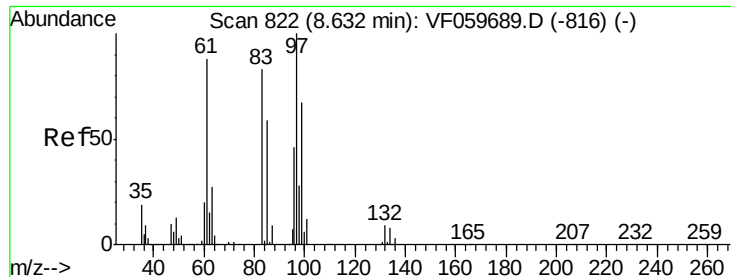


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.71 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

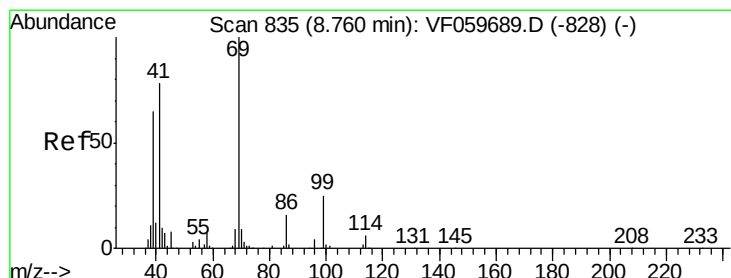
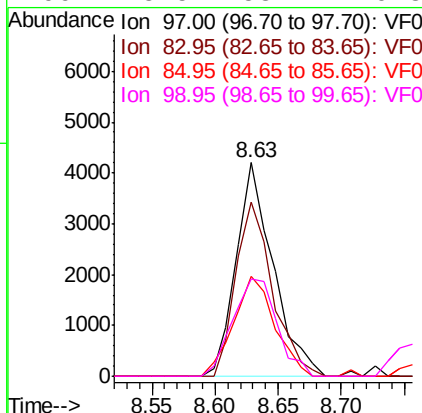
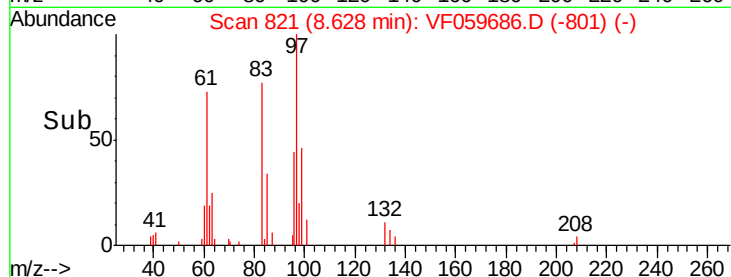
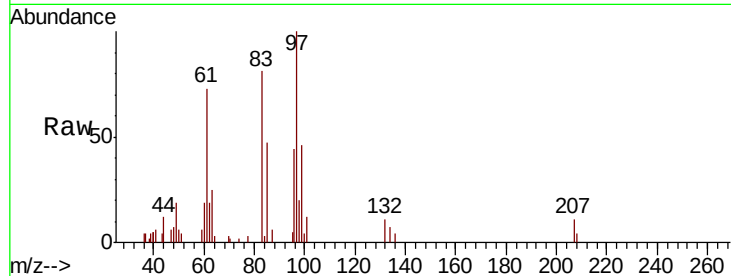
ClientSampleId :

VSTDIC05

Tot Ion:	97	Resp:	8516
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.6	100.0
85	46.8	47.4	71.0#
99	45.5	53.2	79.8#

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#56

Ethyl methacrylate

Concen: 4.71 ug/l

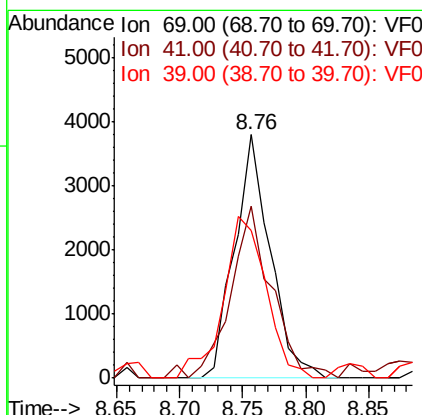
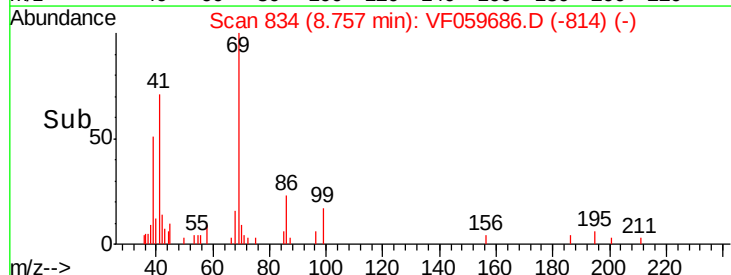
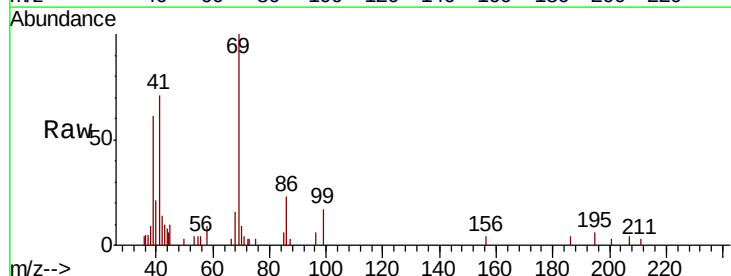
RT: 8.76 min Scan# 834

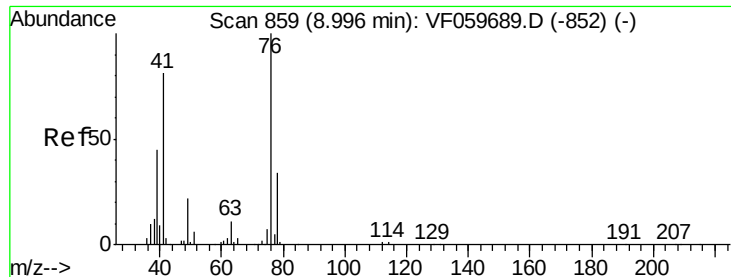
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	69	Resp:	7457
Ion	Ratio	Lower	Upper
69	100		
41	70.6	62.3	93.5
39	60.7	52.4	78.6





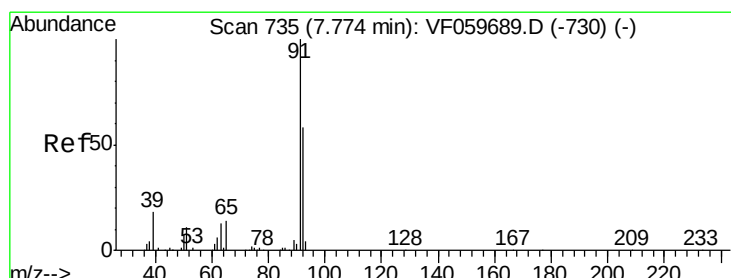
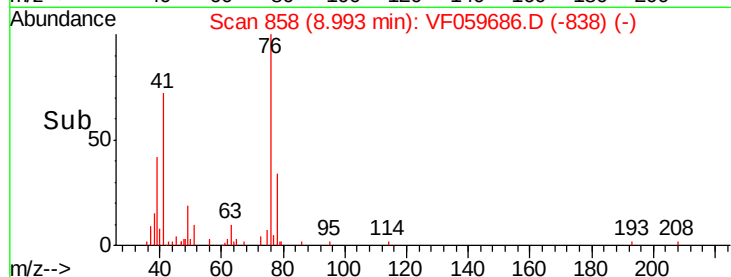
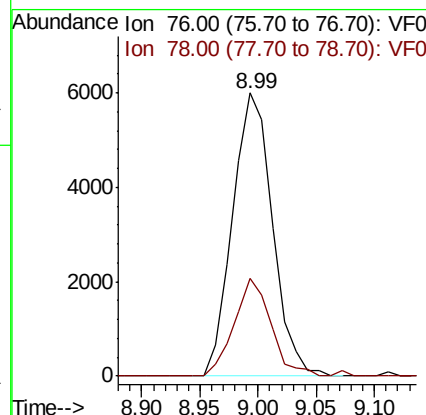
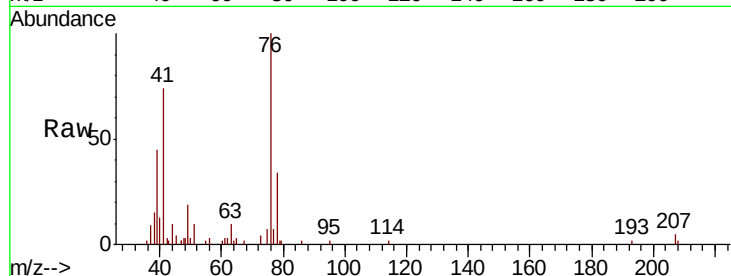
#57
 1,3-Dichloropropane
 Concen: 5.52 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	27.2	40.8

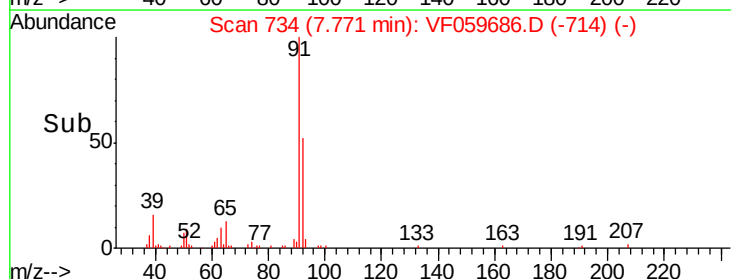
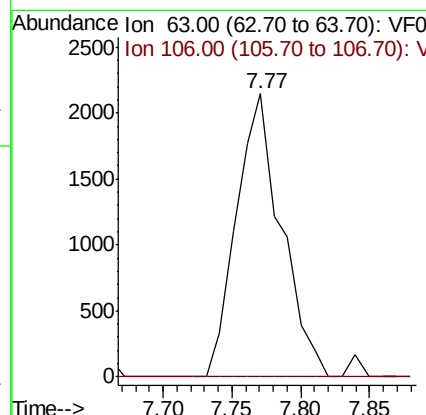
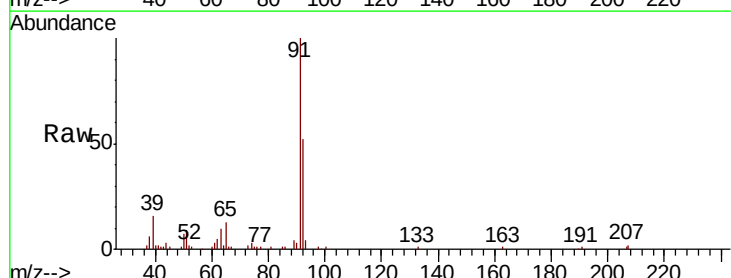
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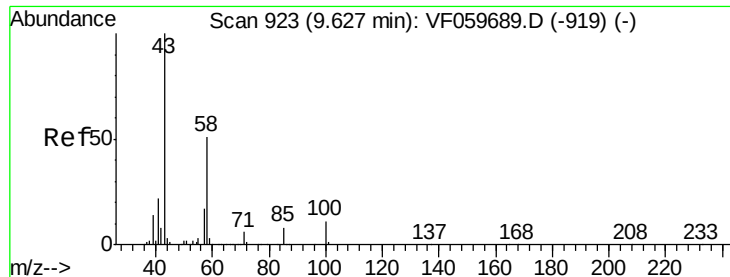
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#58
 2-Chloroethyl Vinyl ether
 Concen: 25.44 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





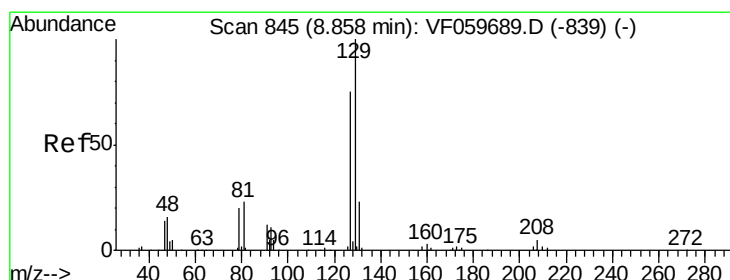
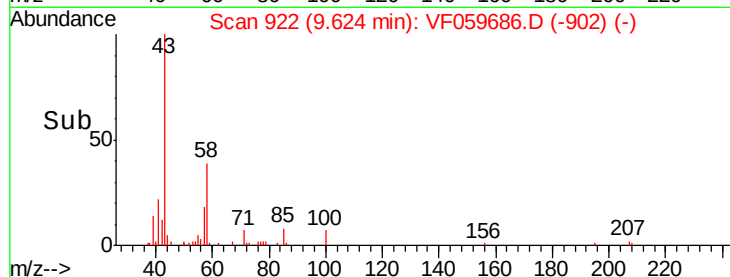
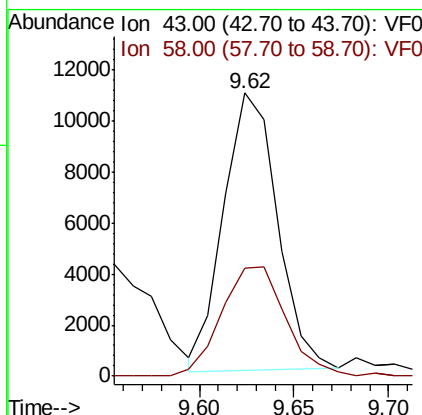
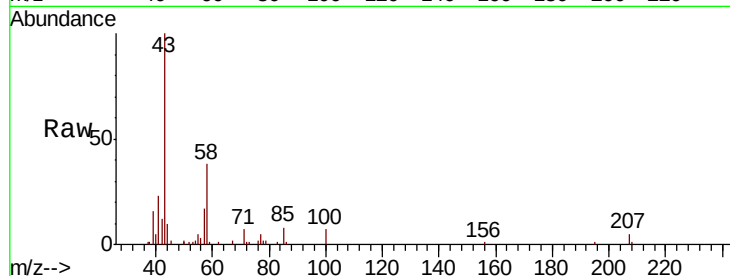
#59
2-Hexanone
Concen: 23.24 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	23.3	69.8

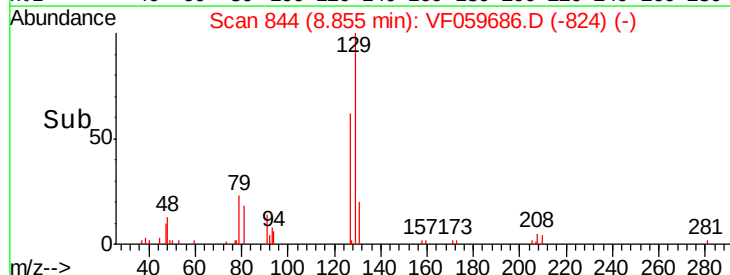
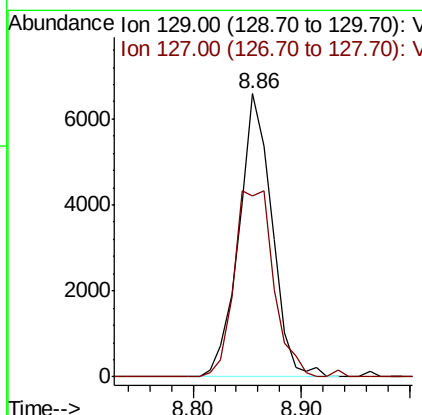
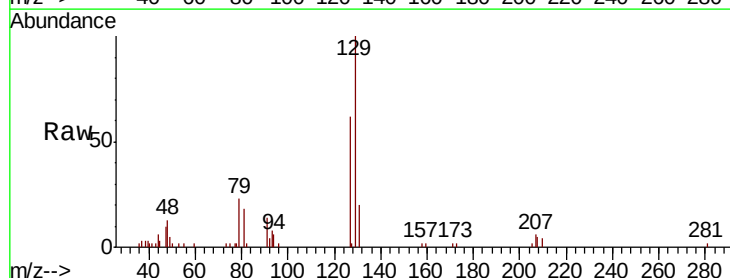
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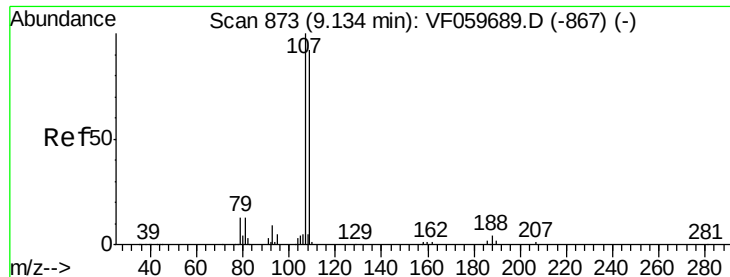
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#60
Dibromochloromethane
Concen: 5.18 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	63.8	37.7	113.1





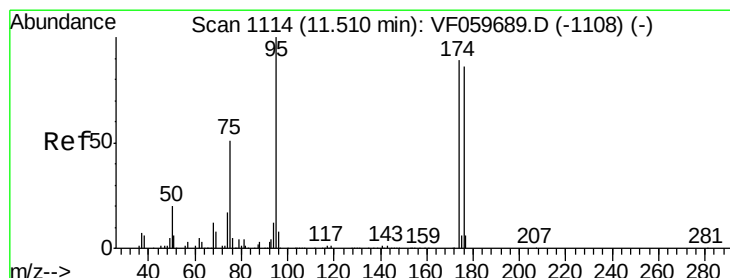
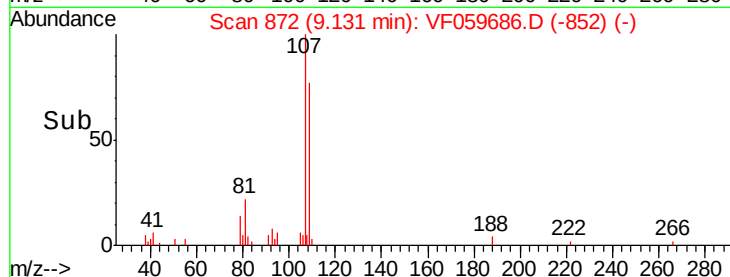
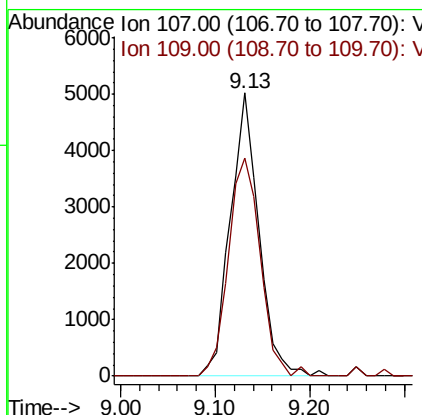
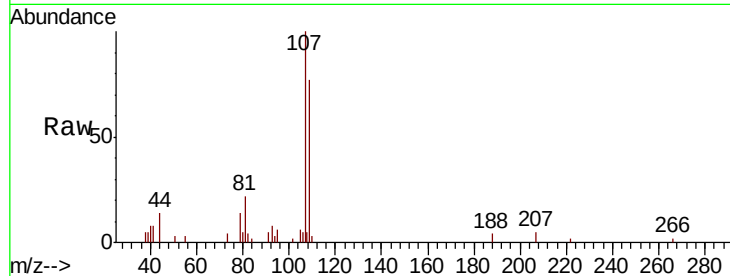
#61
 1,2-Dibromoethane
 Concen: 5.85 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	10562		
109	109	77.0		73.6	110.4

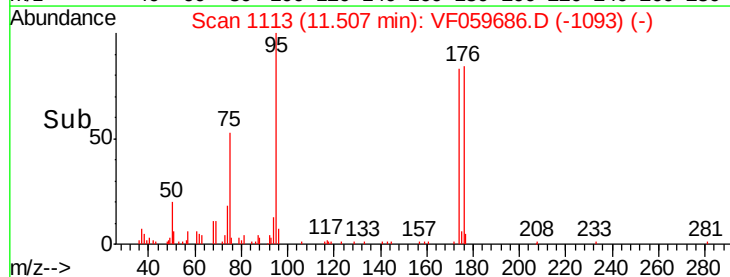
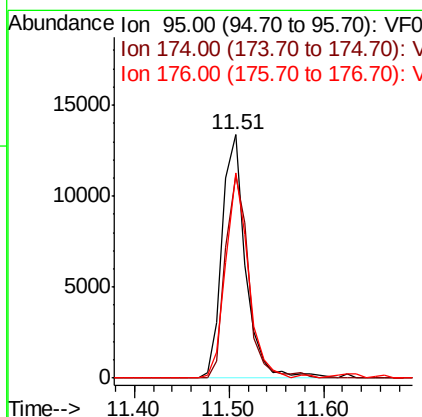
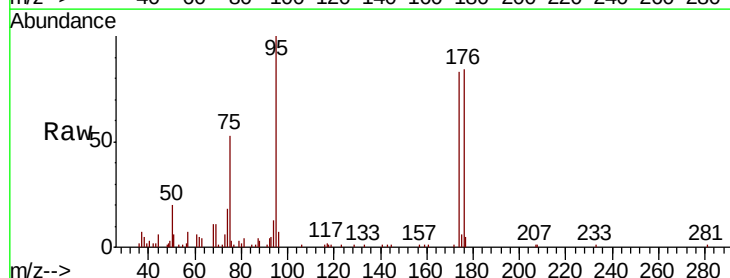
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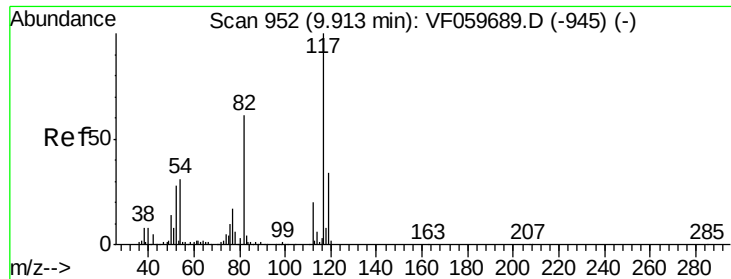
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#62
 4-Bromofluorobenzene
 Concen: 5.87 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	23053		
174	174	83.2		0.0	178.4
176	176	84.2		0.0	173.0





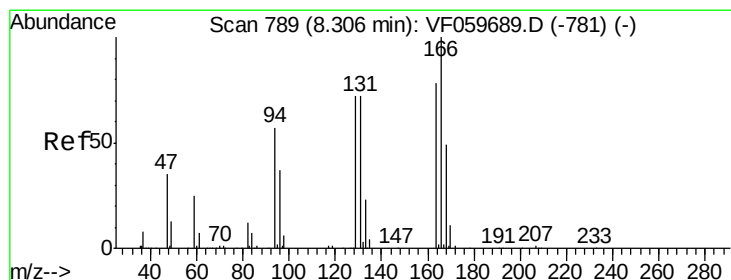
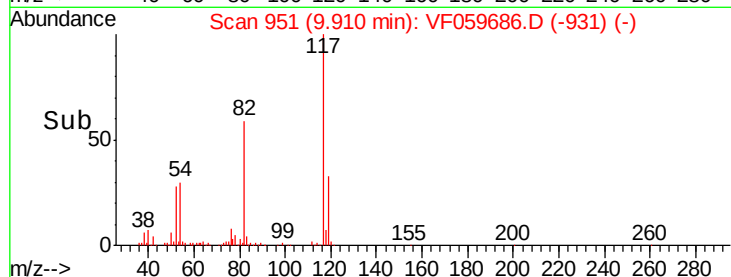
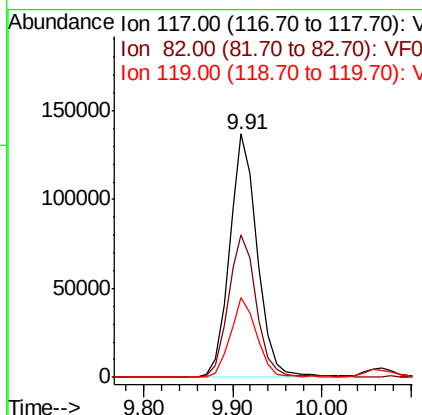
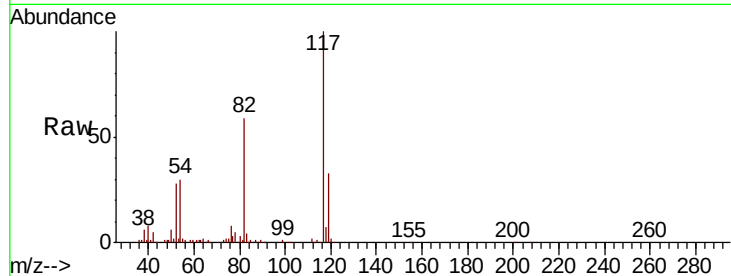
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297645		
82	58.5		49.0	73.4
119	32.9		27.3	40.9

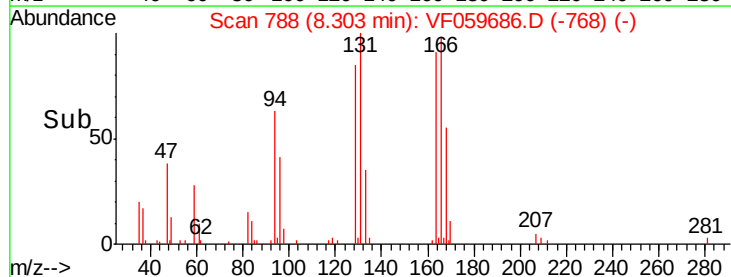
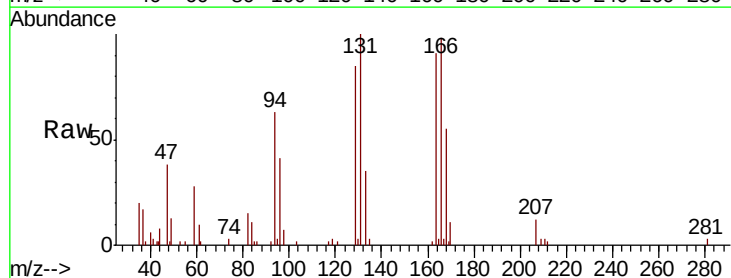
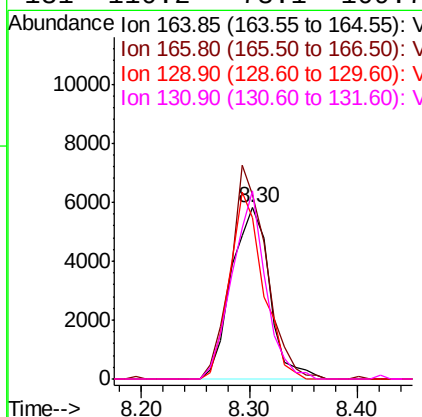
Manual Integrations
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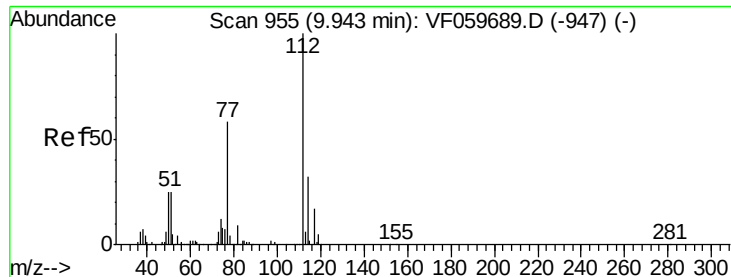
apatel
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#64
Tetrachloroethene
Concen: 6.02 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14270		
166	108.1		102.1	153.1
129	94.0		73.8	110.6
131	110.2		73.1	109.7#





#65

Chlorobenzene

Concen: 6.00 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion:112 Resp: 34675

Ion Ratio Lower Upper

112 100

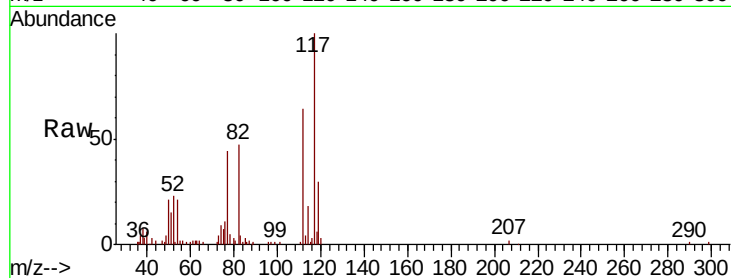
114 27.6 25.6 38.4

Manual Integrations

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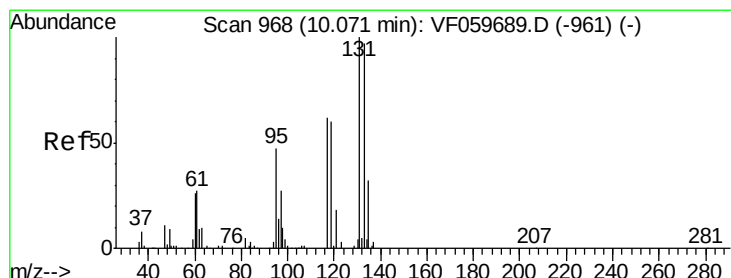
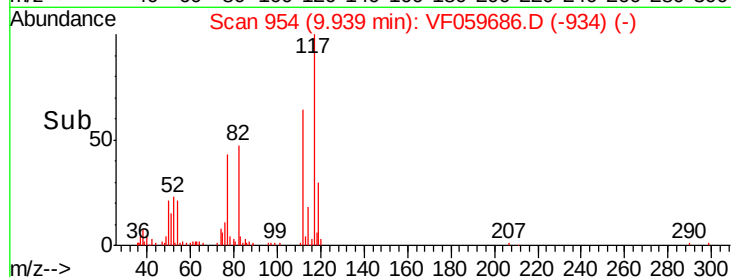
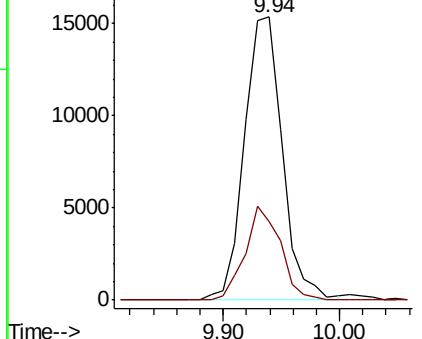
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.51 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

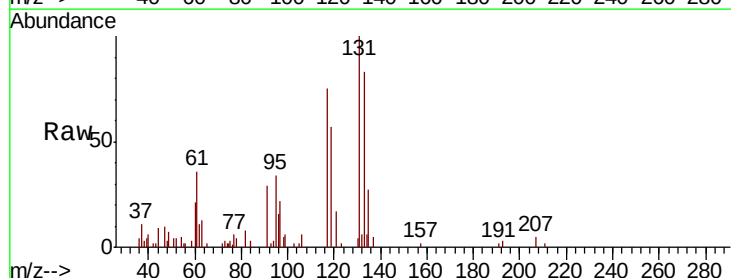
Tgt Ion:131 Resp: 14673

Ion Ratio Lower Upper

131 100

133 82.6 48.5 145.5

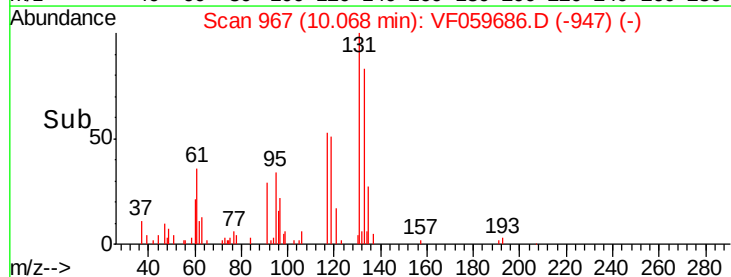
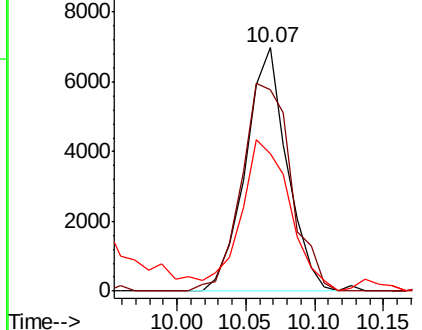
119 56.5 30.3 90.8

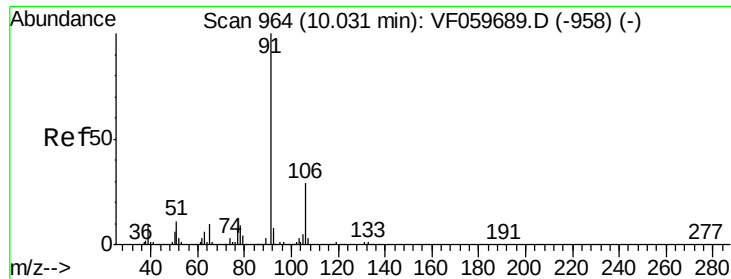


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.68 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 91 Resp: 59605

Ion Ratio Lower Upper

91 100

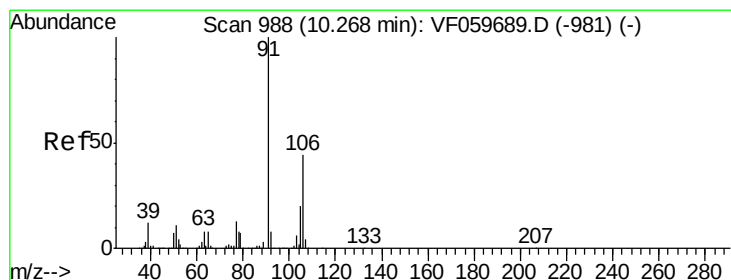
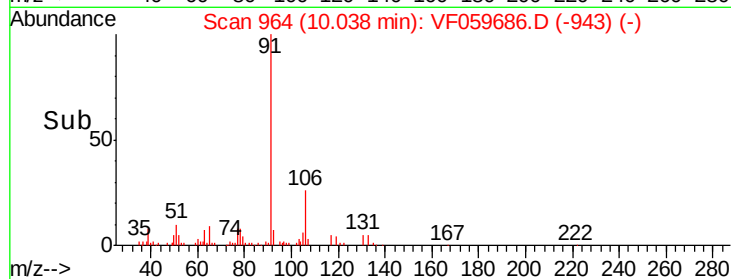
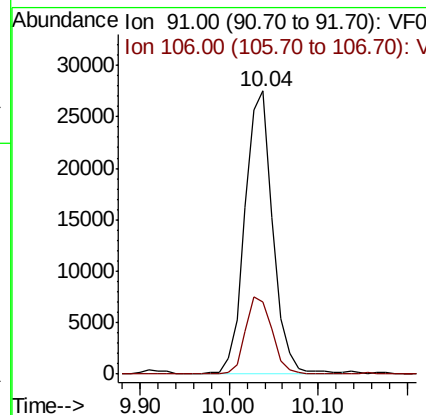
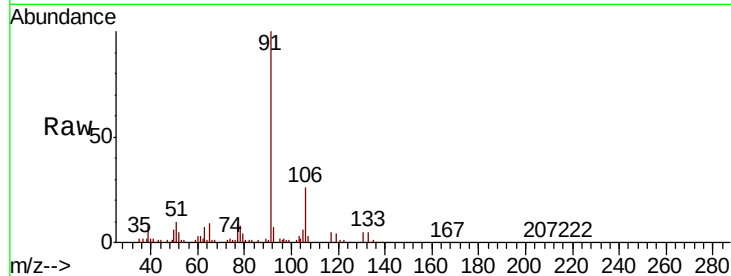
106 25.5 22.9 34.3

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#68

m/p-Xylenes

Concen: 11.55 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059686.D

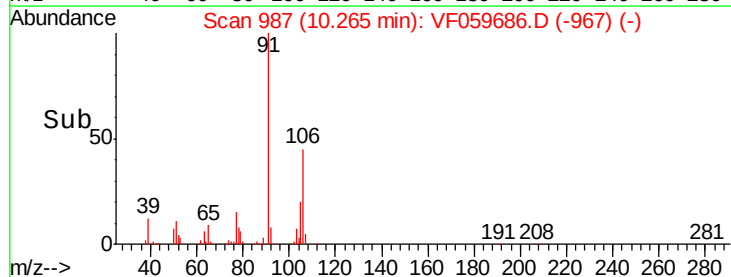
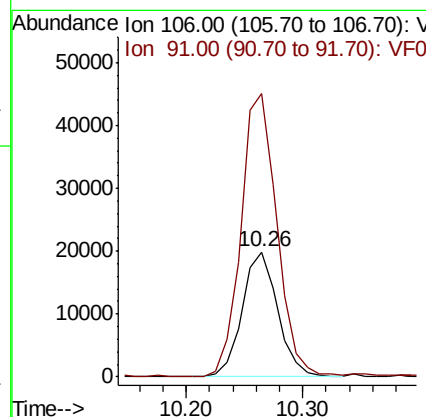
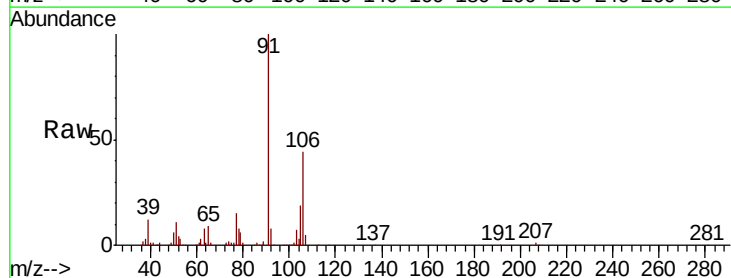
Acq: 30 Jul 2018 13:36

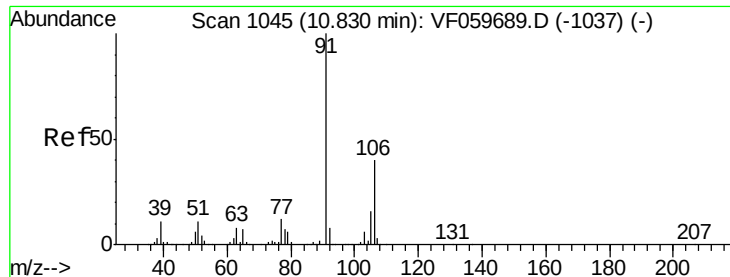
Tgt Ion: 106 Resp: 41934

Ion Ratio Lower Upper

106 100

91 226.1 181.7 272.5





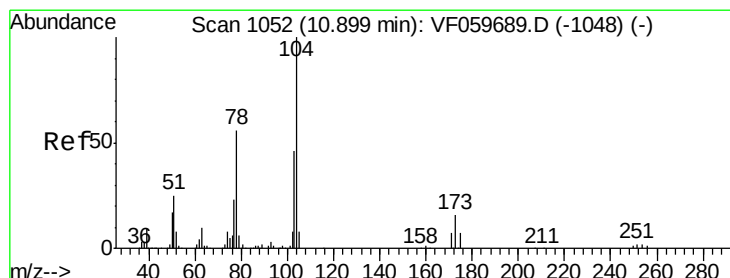
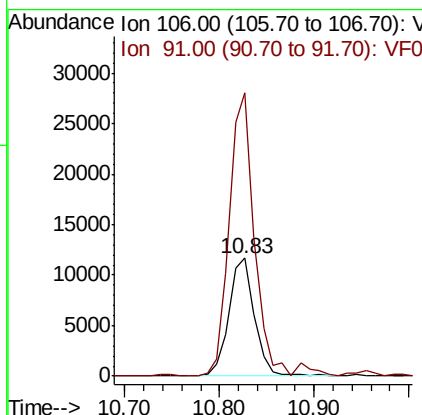
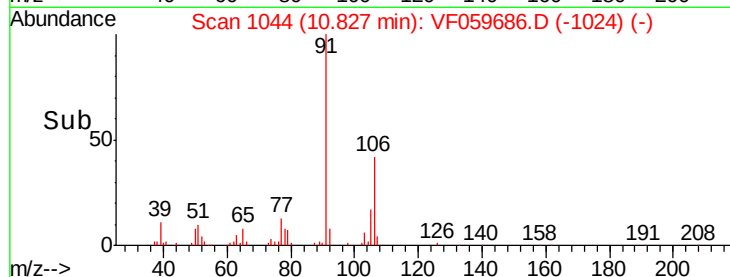
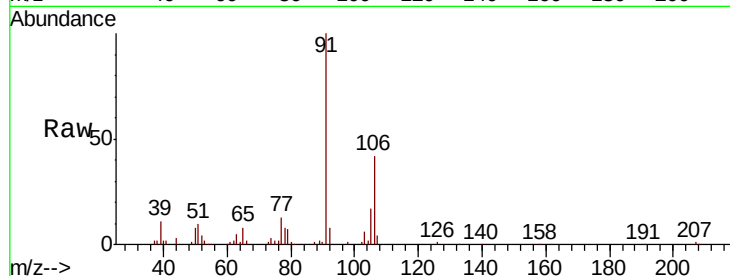
#69
o-Xylene
Concen: 5.58 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion:106 Resp: 21865
Ion Ratio Lower Upper
106 100
91 240.4 124.6 373.7

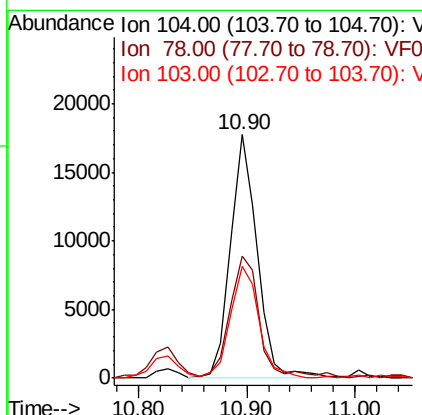
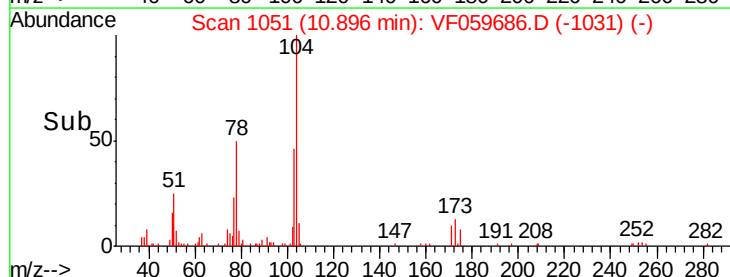
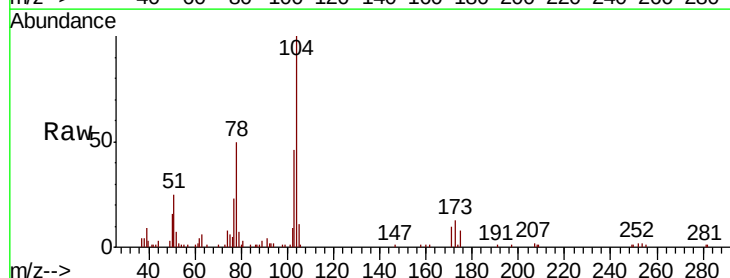
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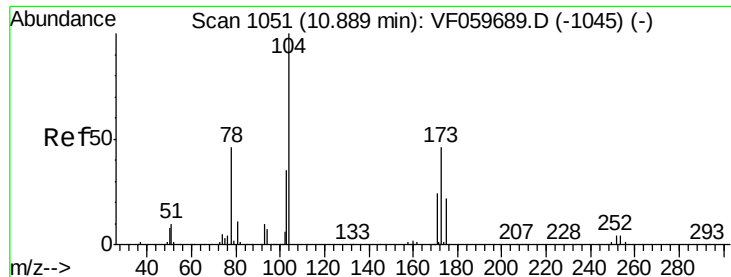
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#70
Styrene
Concen: 5.40 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion:104 Resp: 30766
Ion Ratio Lower Upper
104 100
78 50.3 45.3 67.9
103 45.7 36.6 54.8





#71

Bromoform

Concen: 5.49 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

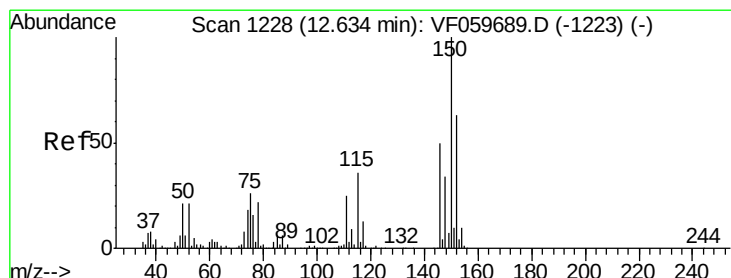
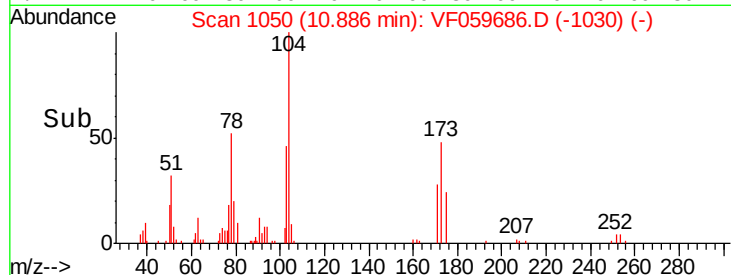
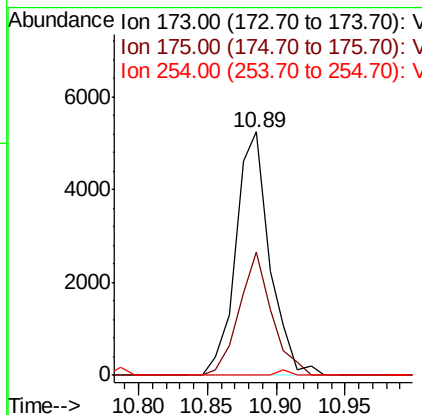
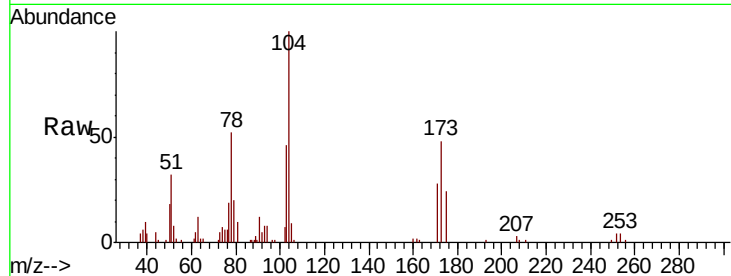
ClientSampleId :

VSTDIC05

Tot Ion:	173	Resp:	9008
Ion Ratio	Lower	Upper	
173	100		
175	50.6	23.4	70.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

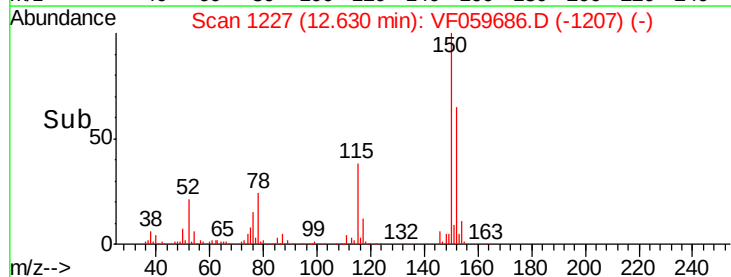
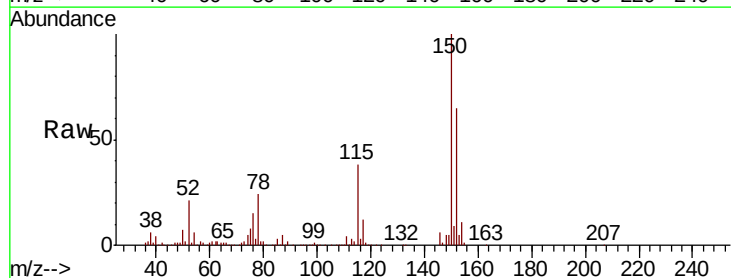
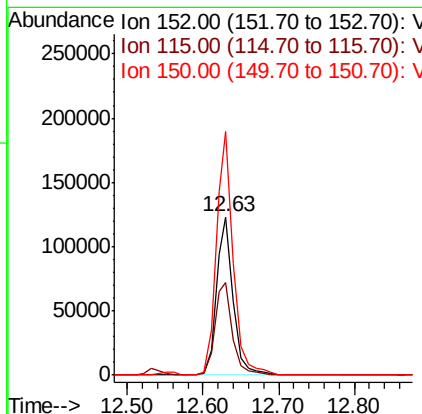
RT: 12.63 min Scan# 1227

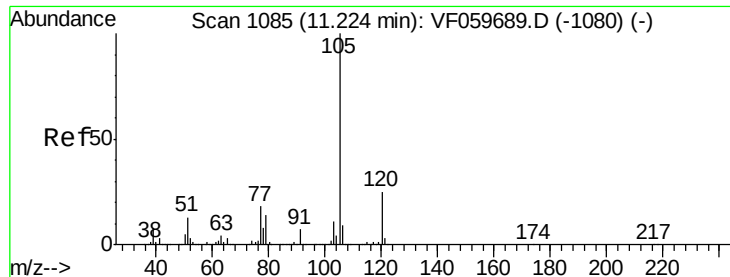
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	152	Resp:	191378
Ion Ratio	Lower	Upper	
152	100		
115	58.8	28.2	84.6
150	153.9	0.0	316.2





#73

Isopropylbenzene

Concen: 5.33 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion:105 Resp: 69654

Ion Ratio Lower Upper

105 100

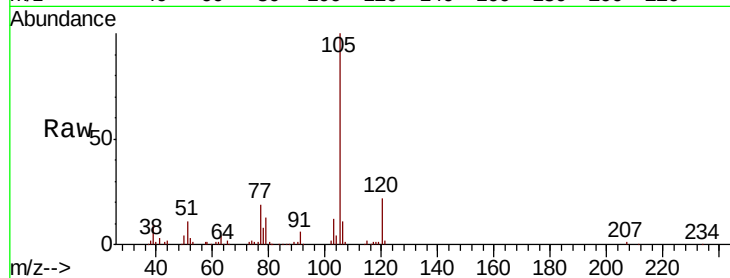
120 21.6 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

40000

30000

20000

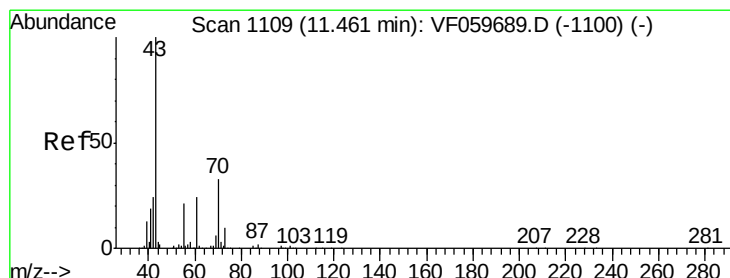
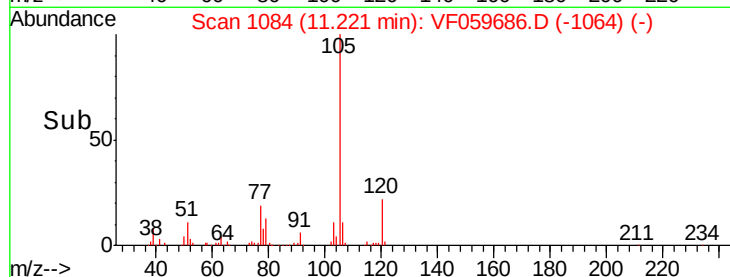
10000

0

Time-->

11.20

11.30



#74

N-ethyl acetate

Concen: 5.15 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion: 43 Resp: 13785

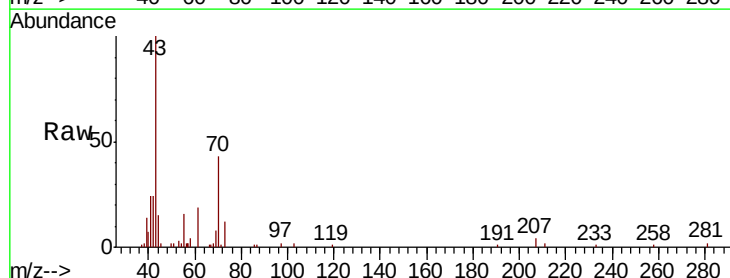
Ion Ratio Lower Upper

43 100

70 42.7 26.3 39.5#

55 16.4 16.6 25.0#

61 19.2 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

12000

10000

8000

6000

4000

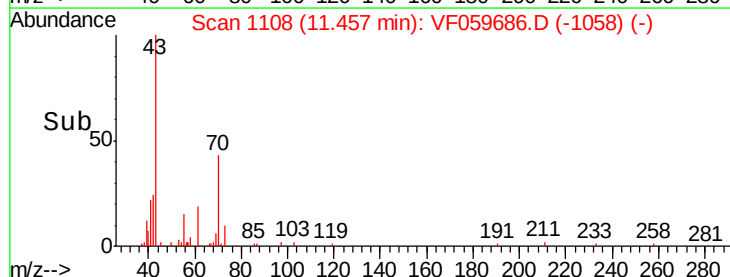
2000

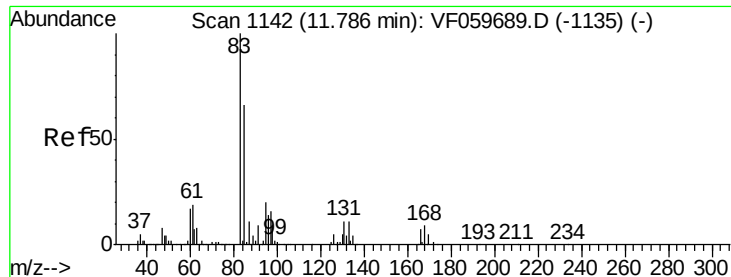
0

Time-->

11.40

11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 5.70 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

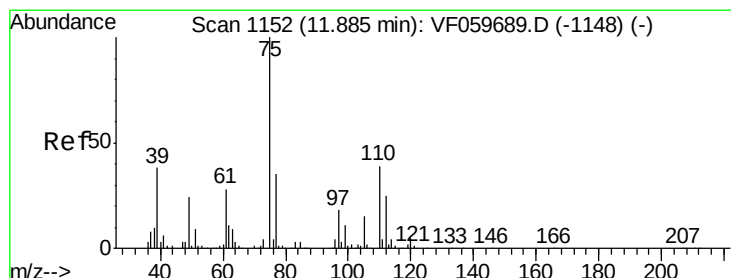
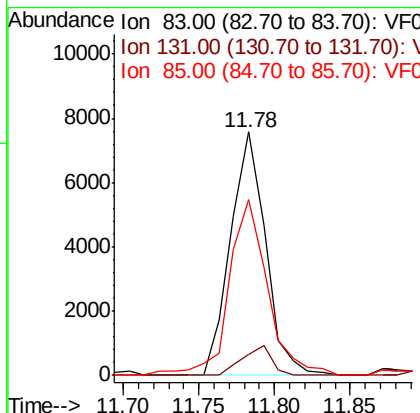
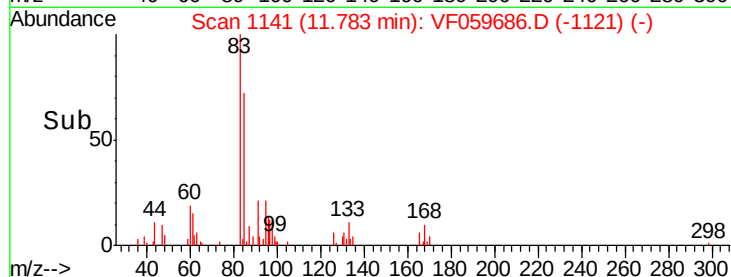
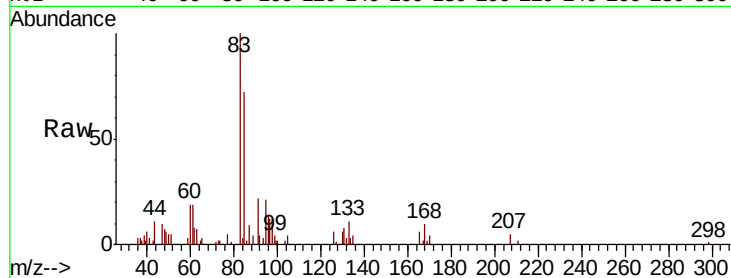
ClientSampleId :

VSTDIC05

Tot Ion:	83	Resp:	12235
Ion Ratio	Lower	Upper	
83	100		
131	8.4	5.8	17.3
85	72.2	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 5.75 ug/l

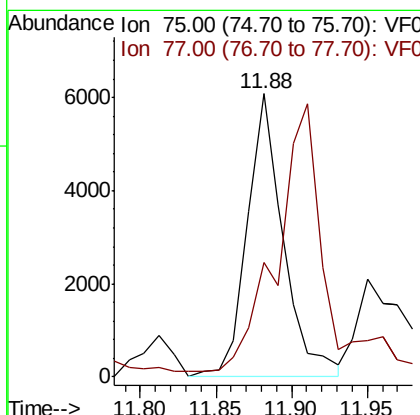
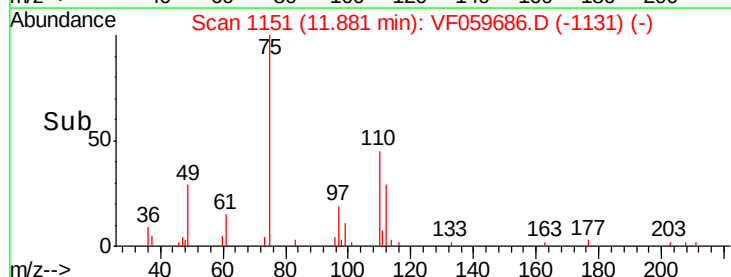
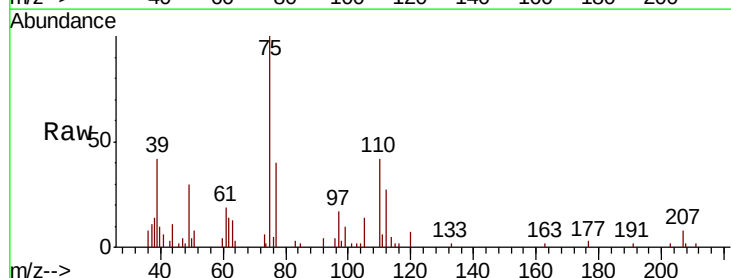
RT: 11.88 min Scan# 1151

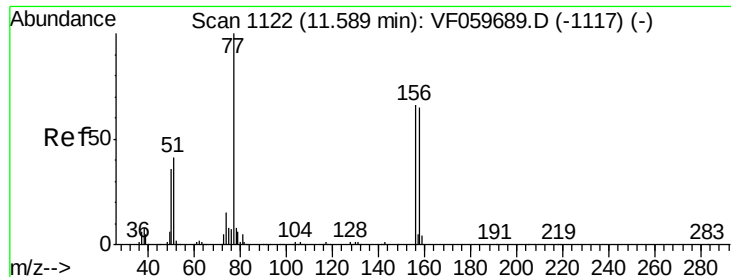
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	75	Resp:	10126
Ion Ratio	Lower	Upper	
75	100		
77	40.4	18.0	54.0





#77

Bromobenzene

Concen: 5.77 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion:156 Resp: 18292

Ion Ratio Lower Upper

156 100

77 140.3 75.2 225.6

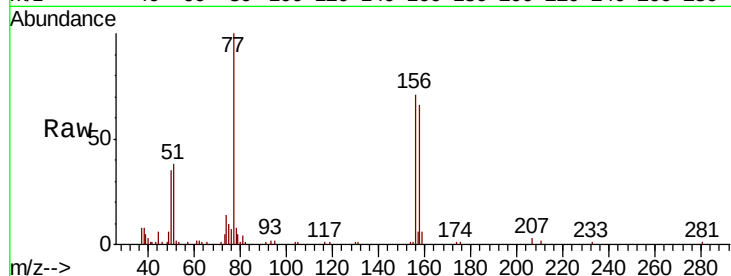
158 92.5 49.1 147.3

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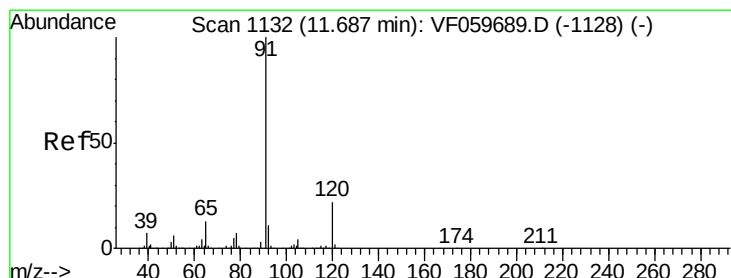
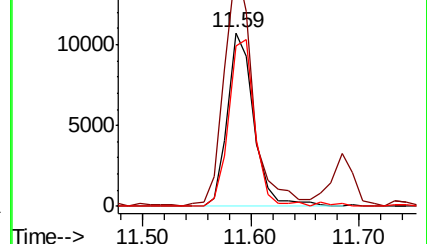
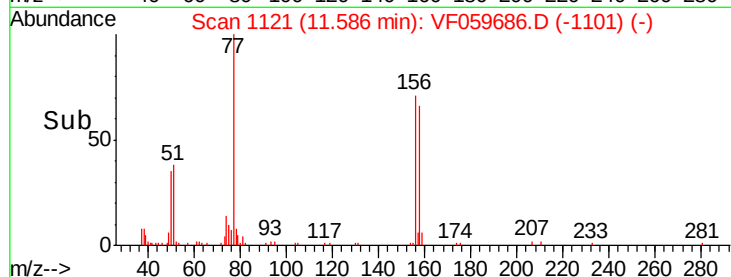
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.64 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059686.D

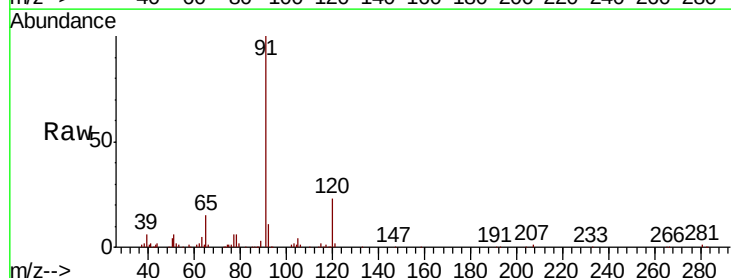
Acq: 30 Jul 2018 13:36

Tgt Ion: 91 Resp: 84897

Ion Ratio Lower Upper

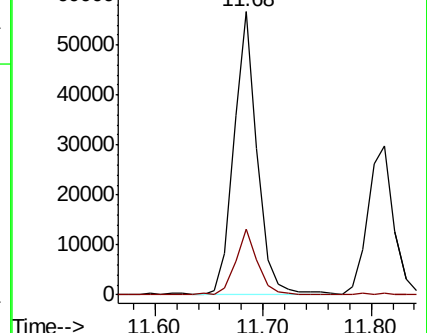
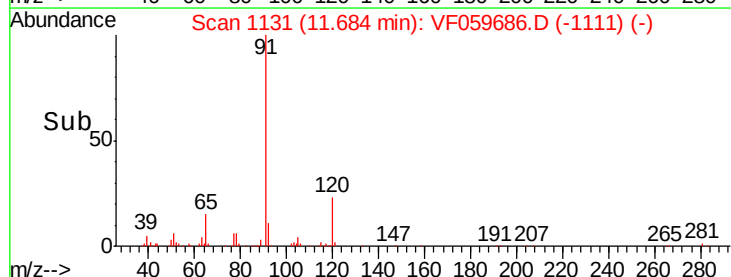
91 100

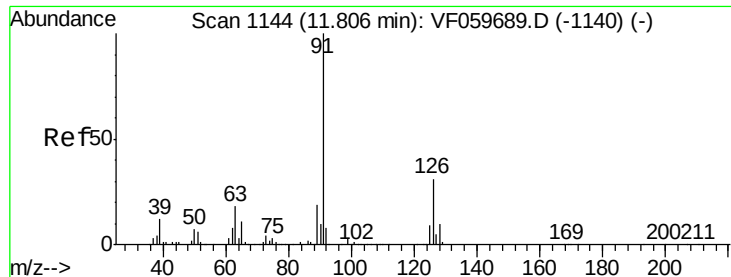
120 23.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.47 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion: 91 Resp: 50099

Ion Ratio Lower Upper

91 100

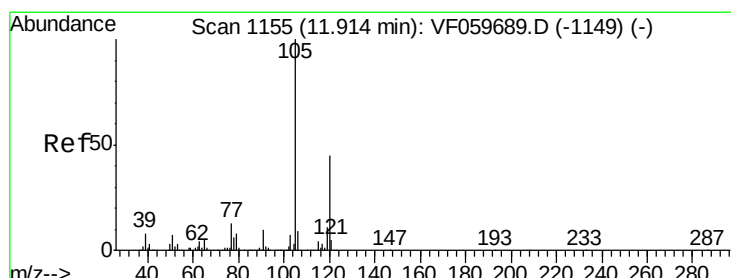
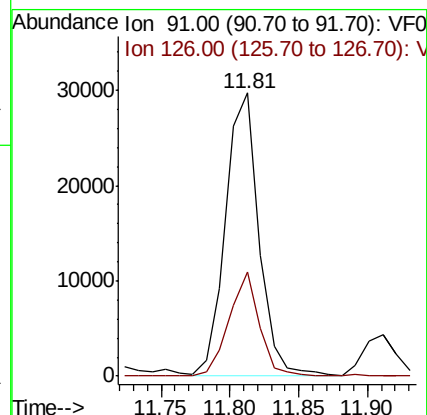
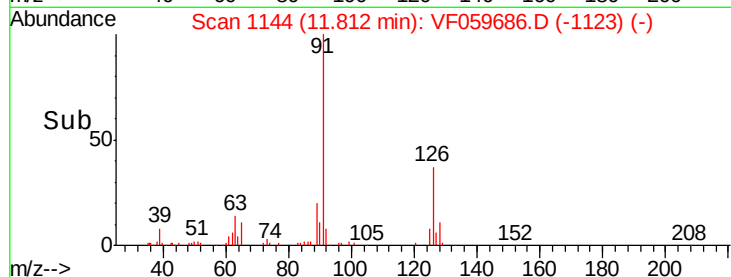
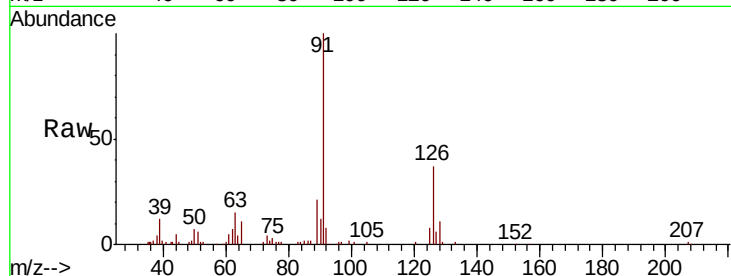
126 37.0 15.4 46.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.57 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059686.D

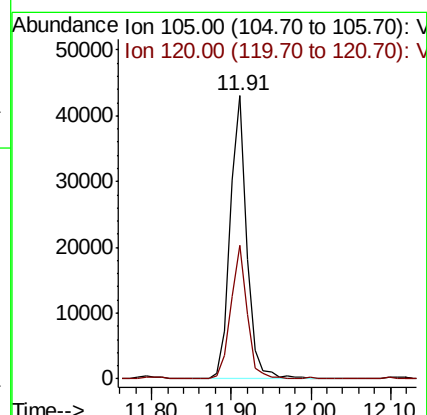
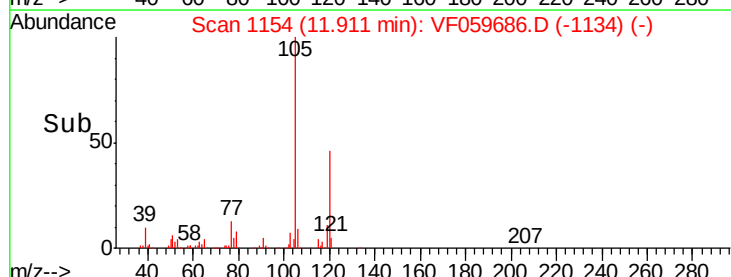
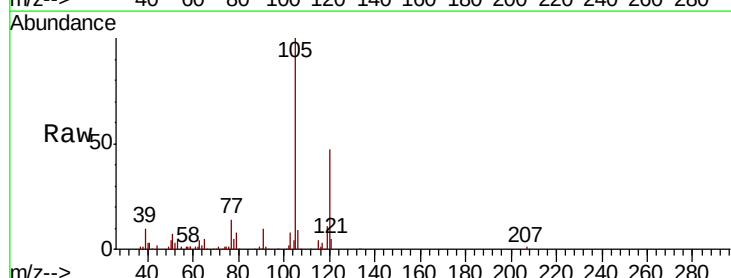
Acq: 30 Jul 2018 13:36

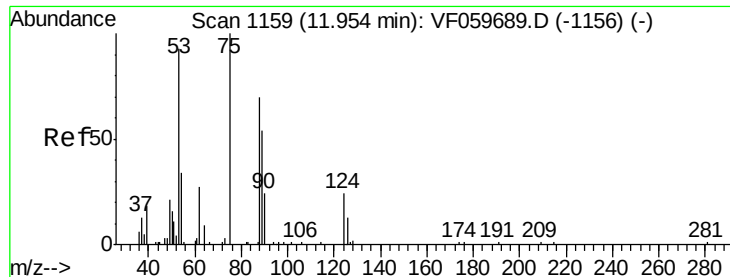
Tgt Ion: 105 Resp: 63827

Ion Ratio Lower Upper

105 100

120 47.1 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.56 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

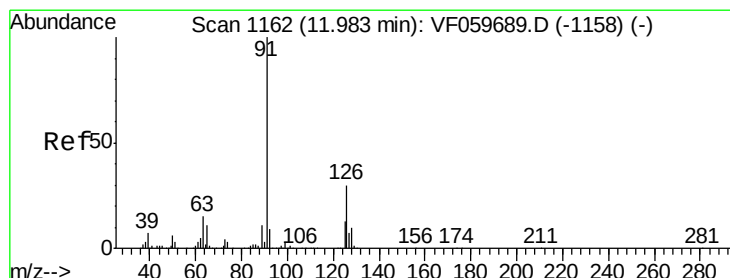
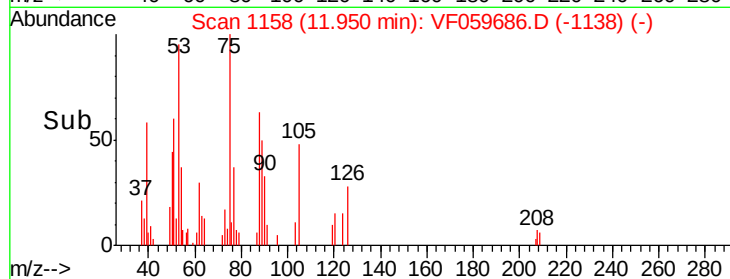
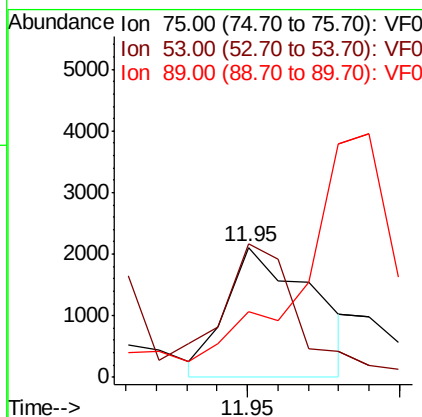
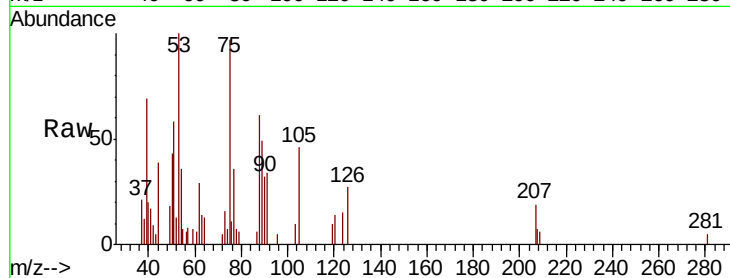
ClientSampleId :

VSTDIC05

Tot Ion:	75	Resp:	4169
Ion	Ratio	Lower	Upper
75	100		
53	103.0	78.3	117.5
89	50.4	45.4	68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.68 ug/l

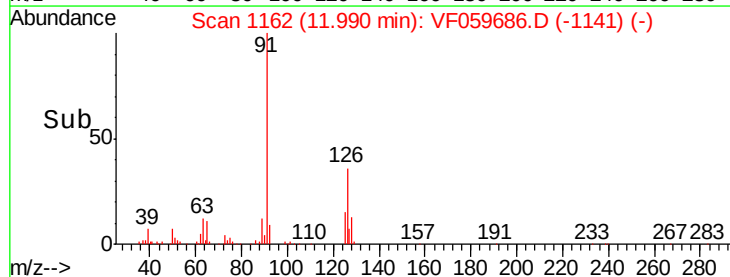
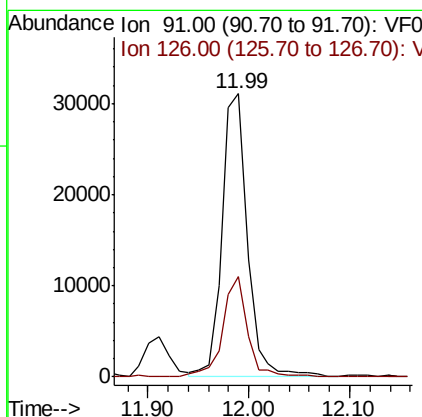
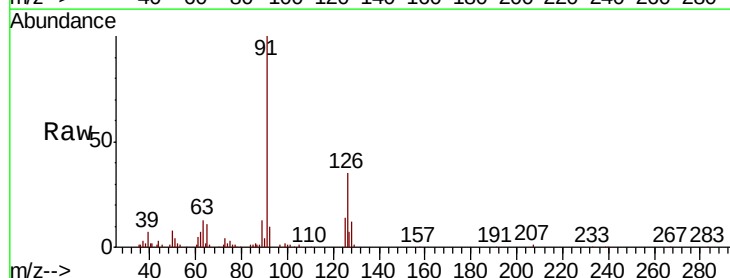
RT: 11.99 min Scan# 1162

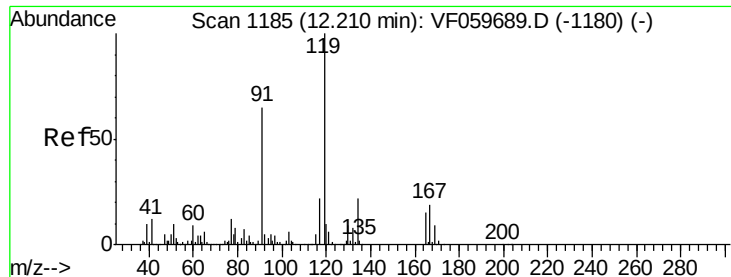
Delta R.T. 0.01 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	91	Resp:	54784
Ion	Ratio	Lower	Upper
91	100		
126	35.2	15.2	45.6





#83

tert-Butylbenzene

Concen: 5.21 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

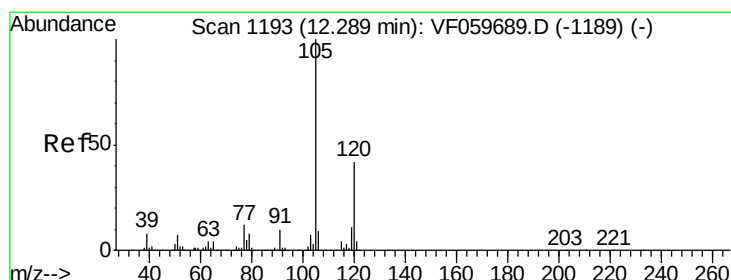
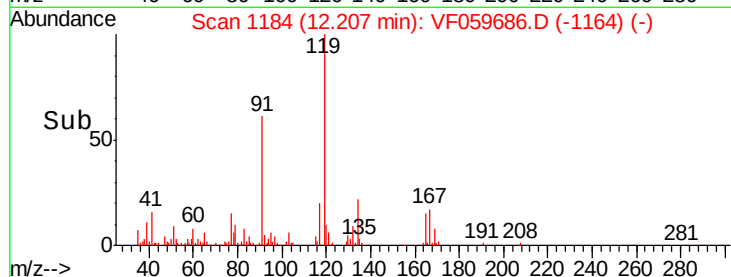
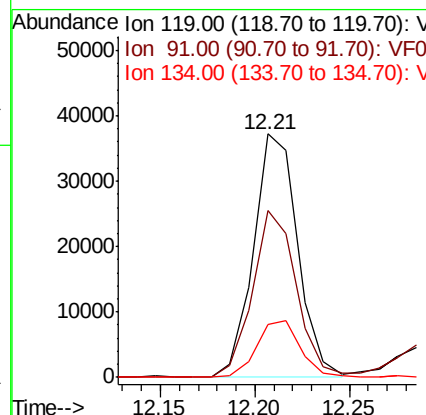
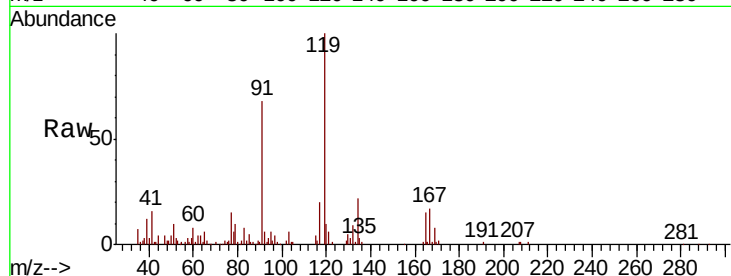
ClientSampled :

VSTDIC05

Tot Ion:	119	Resp:	60335
Ion Ratio	Lower	Upper	
119	100		
91	68.5	32.8	98.4
134	21.8	10.9	32.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.48 ug/l

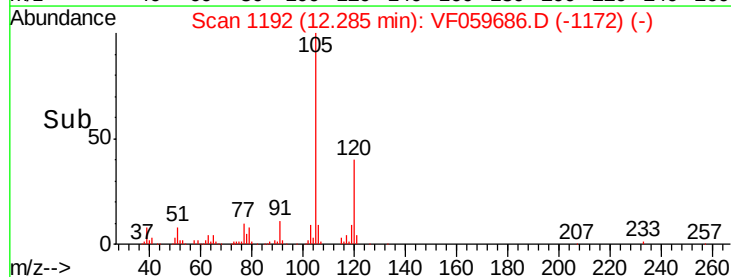
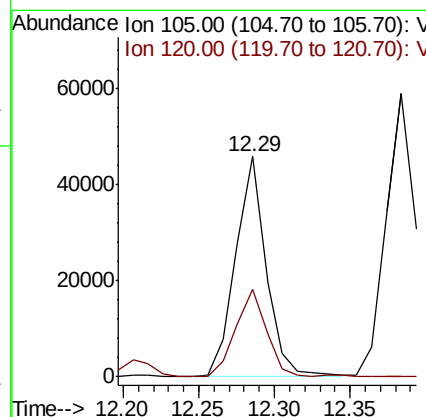
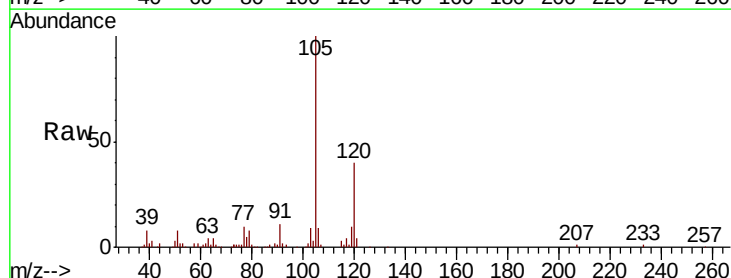
RT: 12.29 min Scan# 1192

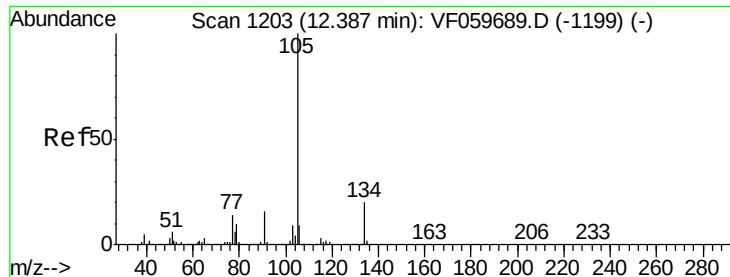
Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Tgt Ion:	105	Resp:	64568
Ion Ratio	Lower	Upper	
105	100		
120	39.6	21.1	63.3





#85

sec-Butylbenzene

Concen: 5.49 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC05

Tot Ion:105 Resp: 83674

Ion Ratio Lower Upper

105 100

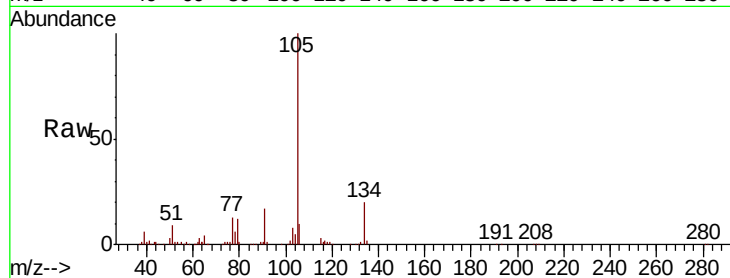
134 19.7 9.8 29.3

Manual Integrations

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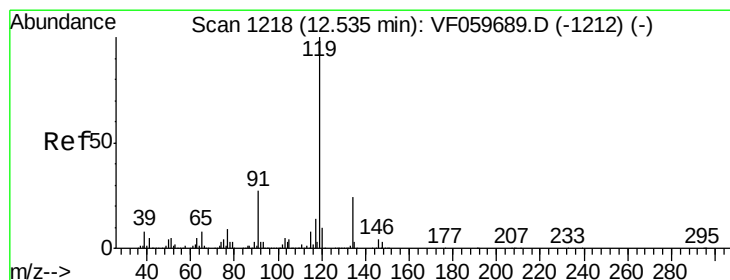
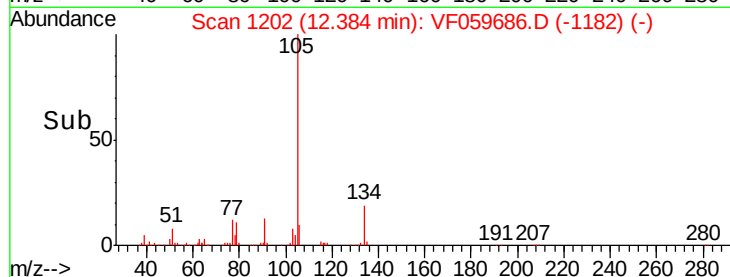
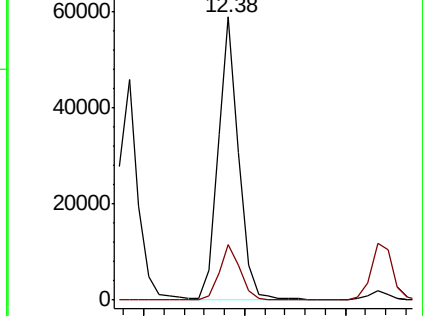
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.52 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059686.D

Acq: 30 Jul 2018 13:36

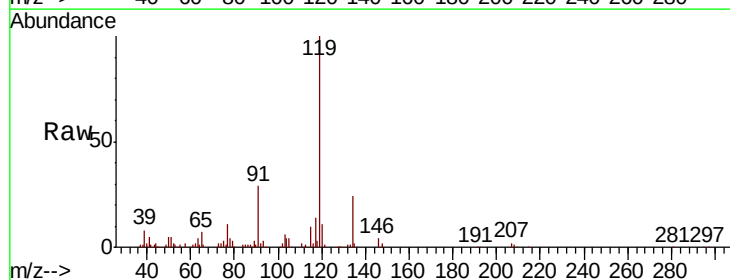
Tgt Ion:119 Resp: 72382

Ion Ratio Lower Upper

119 100

134 24.1 12.2 36.6

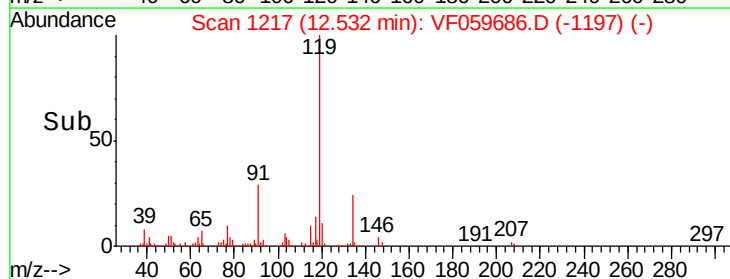
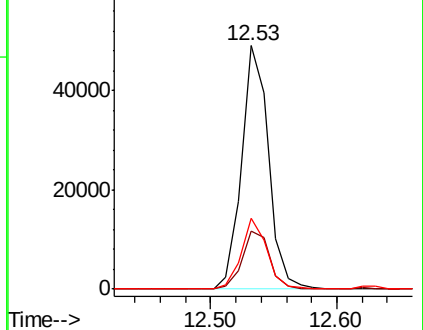
91 29.3 13.4 40.2

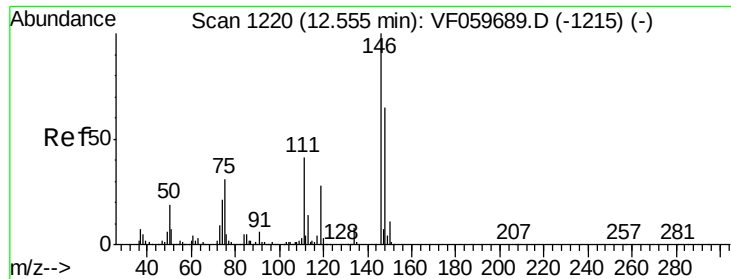


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





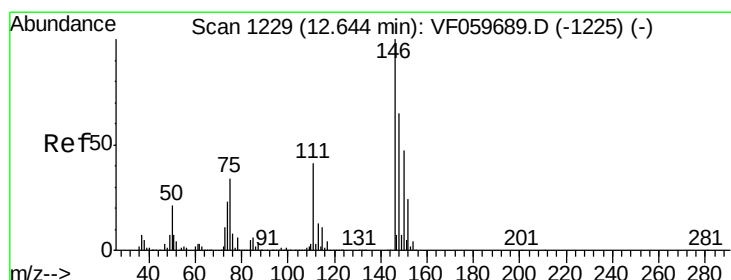
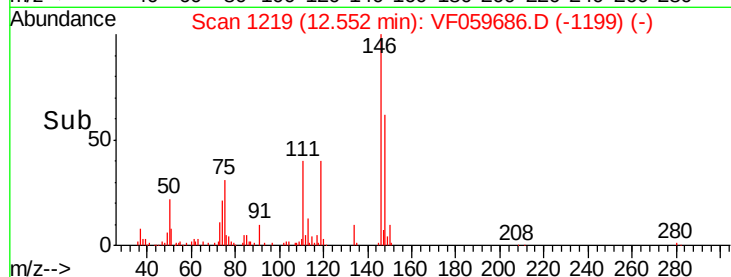
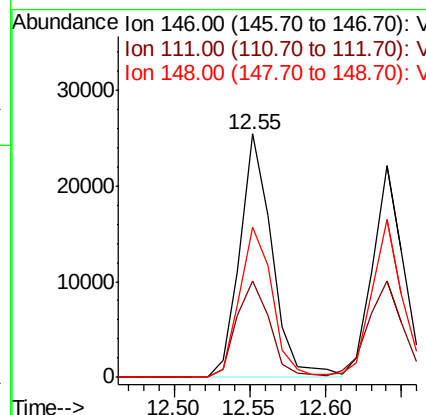
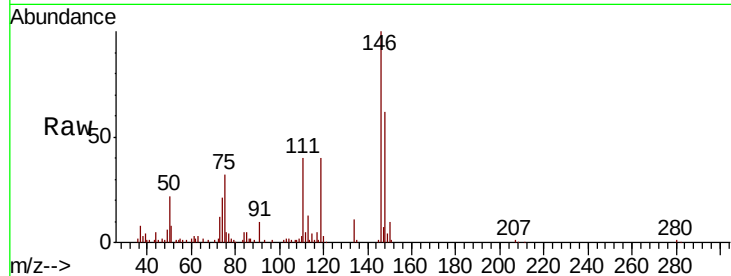
#87
 1,3-Dichlorobenzene
 Concen: 6.07 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.7	62.1
148	61.9	32.3	96.8

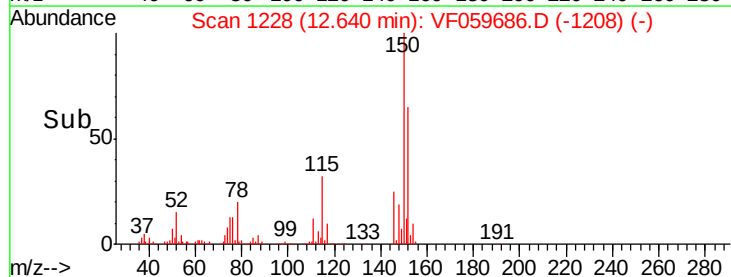
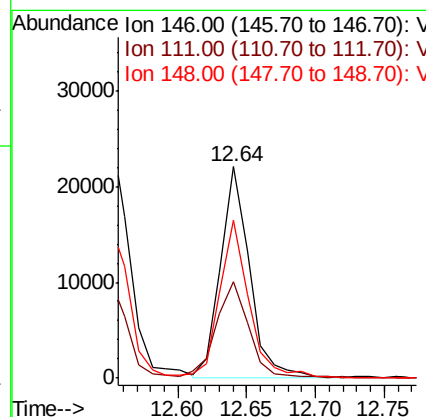
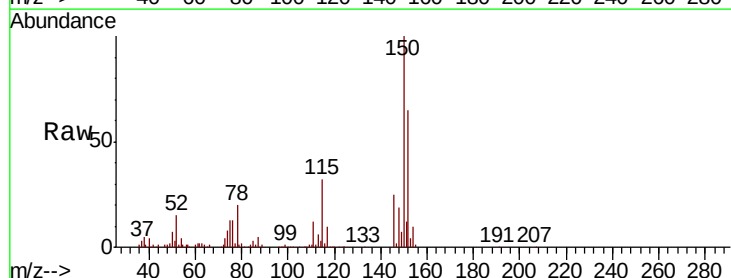
Manual Integrations
 APPROVED

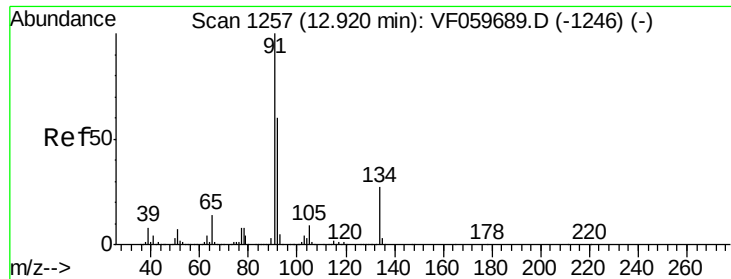
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.49 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	20.8	62.2
148	74.8	32.3	96.9





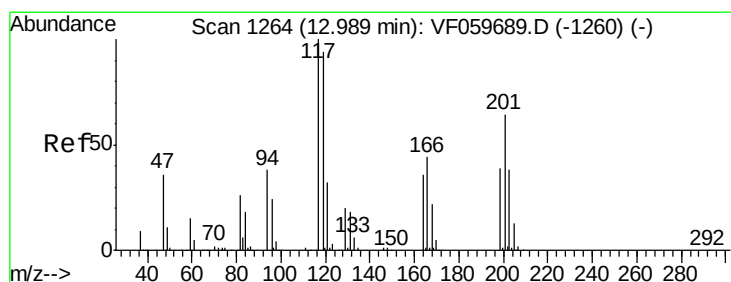
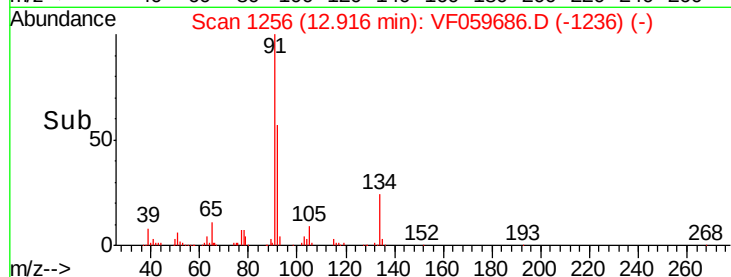
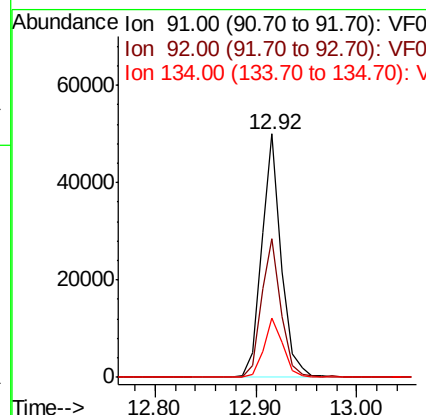
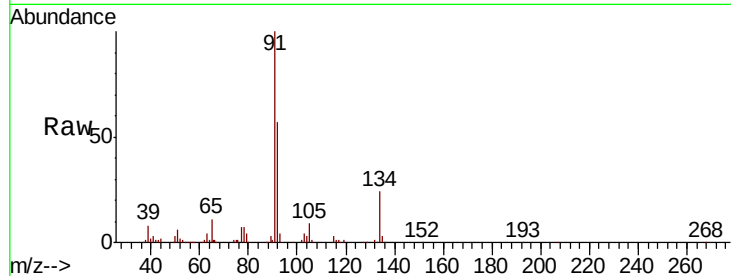
#89
n-Butylbenzene
Concen: 5.36 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.0	30.1	90.3
134	24.2	13.7	41.0

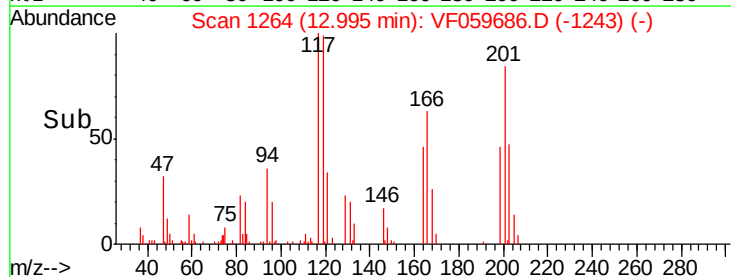
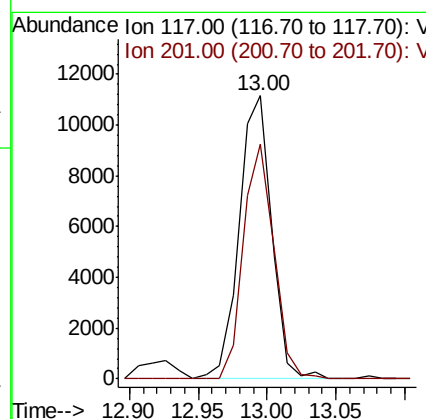
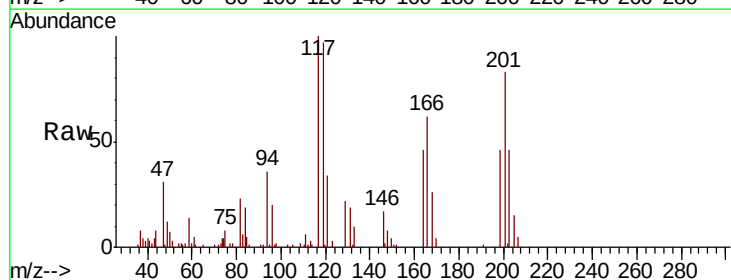
Manual Integrations
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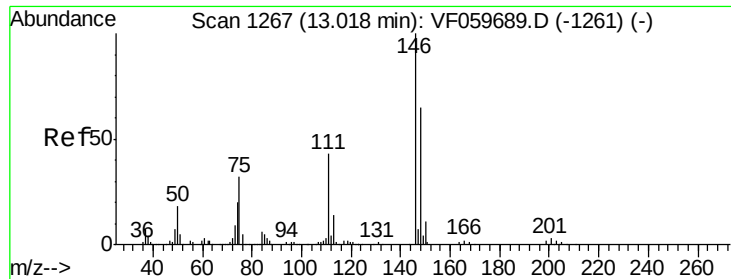
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#90
Hexachloroethane
Concen: 5.50 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	31.9	95.5





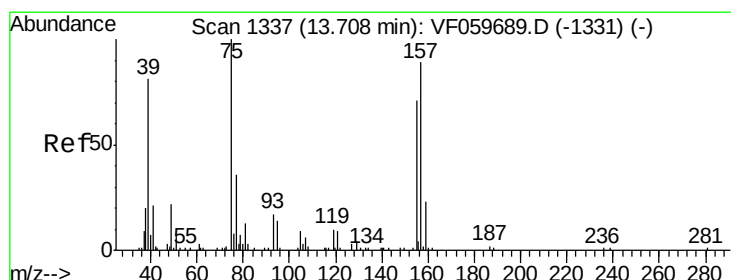
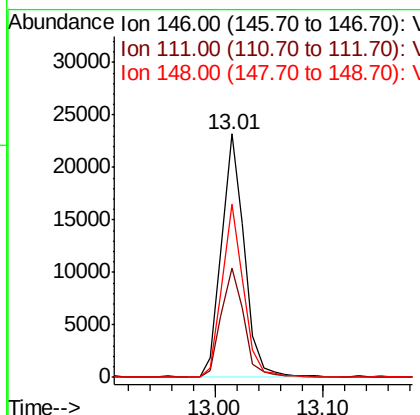
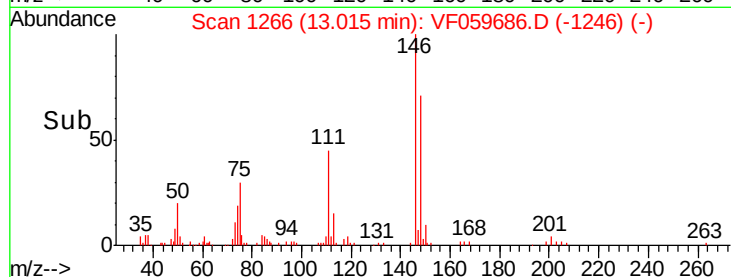
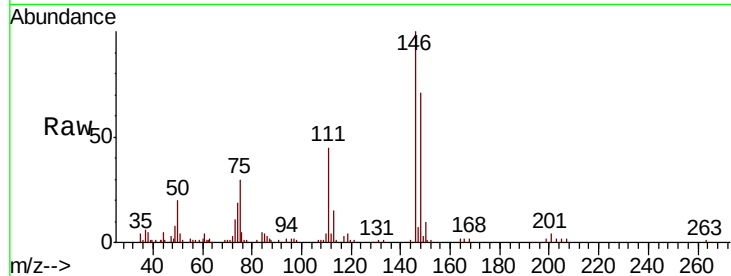
#91
 1,2-Dichlorobenzene
 Concen: 5.92 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	65.0
148	70.9	32.3	96.9

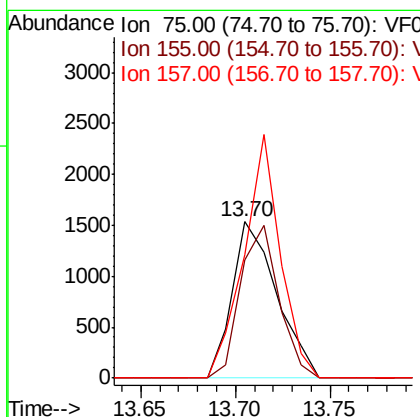
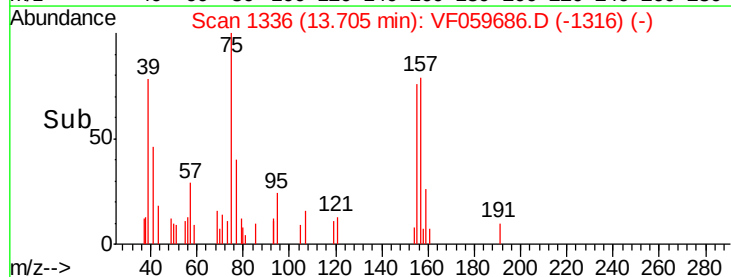
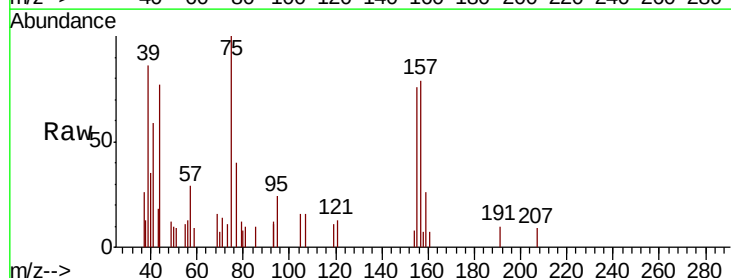
Manual Integrations
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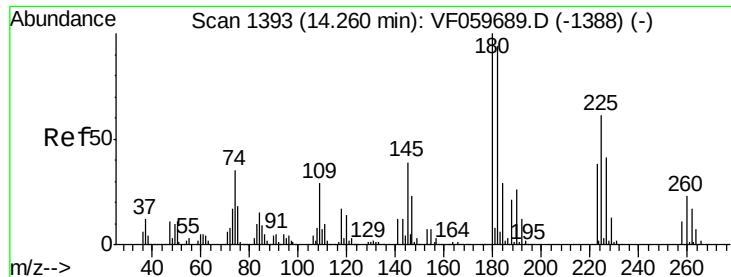
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.79 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	35.4	106.2
157	79.1	44.4	133.2





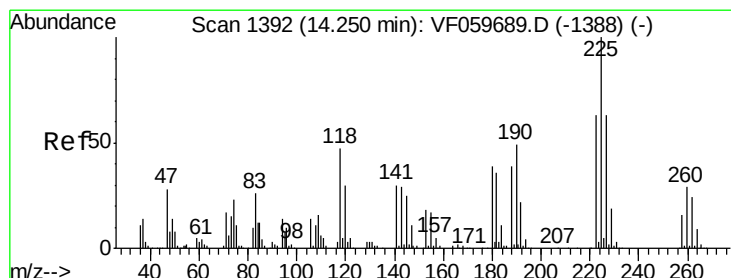
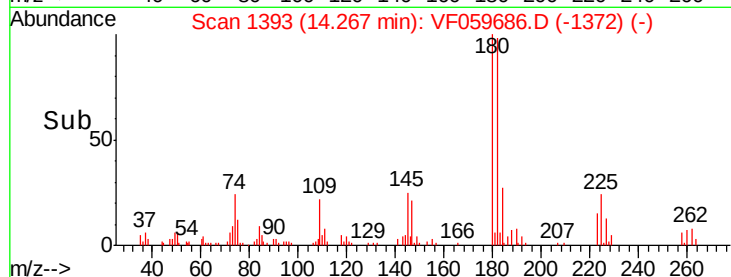
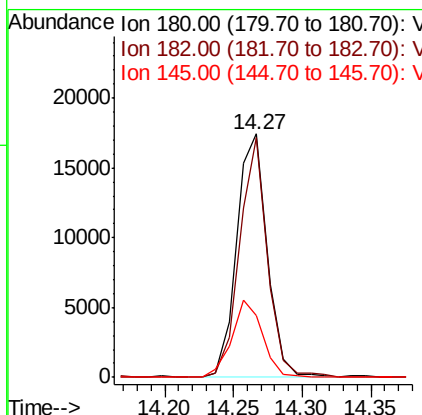
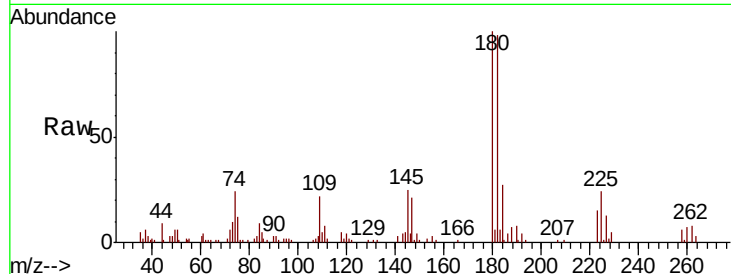
#93
 1,2,4-Trichlorobenzene
 Concen: 5.85 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC05

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26965		
182	98.4	47.2	141.6	
145	25.2	19.3	57.9	

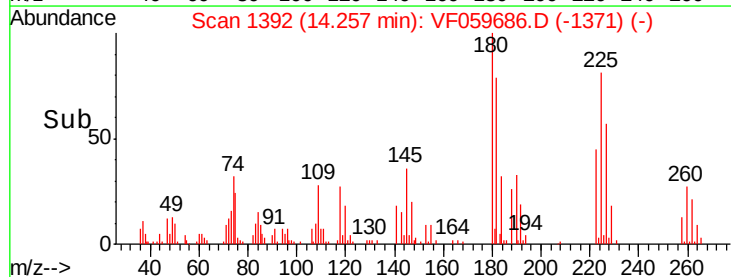
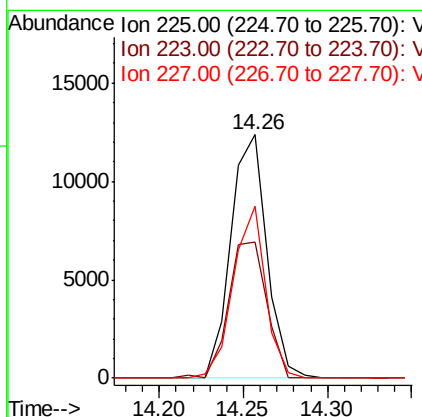
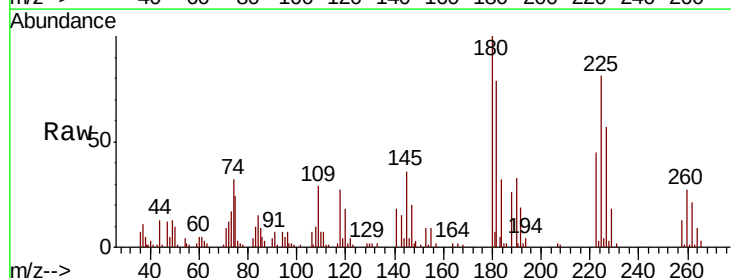
Manual Integrations
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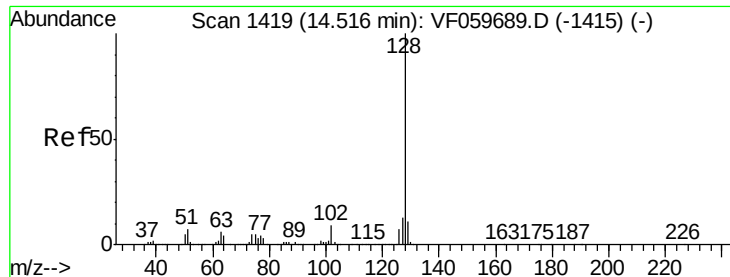
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#94
 Hexachlorobutadiene
 Concen: 5.42 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059686.D
 Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18364		
223	56.0	31.4	94.2	
227	70.7	31.5	94.5	





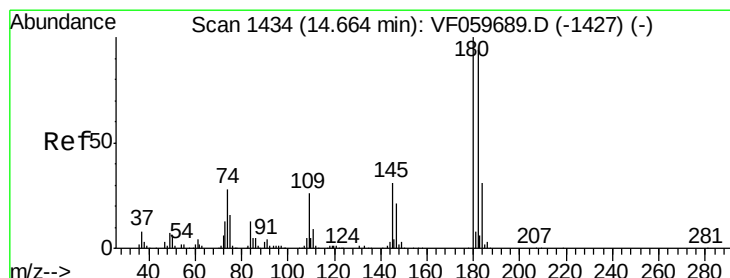
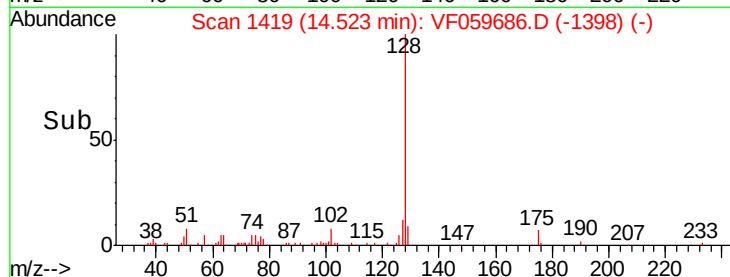
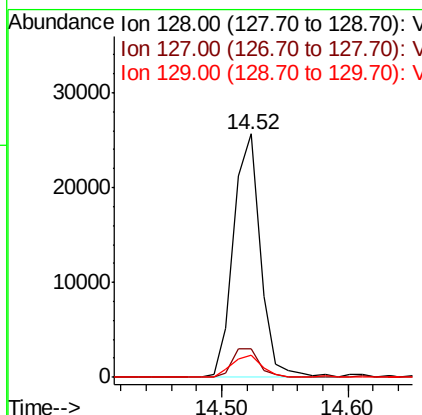
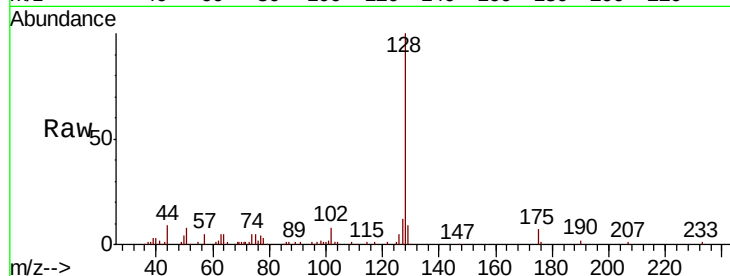
#95
Naphthalene
Concen: 5.16 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC05

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.0	15.0
129	9.2	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.36 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059686.D
Acq: 30 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.2	141.6
145	32.0	15.6	46.7

