

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059301.D
 Acq On : 25 Jun 2018 14:50
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:03:06 AM

Quant Time: Jun 26 08:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	435322	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	432749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	276274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	21689	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	4.29	113	18407	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
50) Toluene-d8	7.70	98	44173	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	11.50	95	26271	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	13940	4.39	ug/l	78
3) Chloromethane	1.08	50	10900	5.45	ug/l	92
4) Vinyl Chloride	1.13	62	9360	4.73	ug/l	90
5) Bromomethane	1.34	94	7303	5.41	ug/l	90
6) Chloroethane	1.42	64	4615	4.76	ug/l #	82
7) Trichlorofluoromethane	1.48	101	15138	3.91	ug/l	85
8) Diethyl Ether	1.69	74	5339	5.95	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	11711	5.35	ug/l	89
10) Methyl Iodide	1.96	142	19529	4.86	ug/l #	95
11) Tert butyl alcohol	2.68	59	8195	34.06	ug/l #	93
12) 1,1-Dichloroethene	1.84	96	8631	4.40	ug/l	96
13) Acrolein	2.08	56	4586	23.91	ug/l	100
14) Allyl chloride	2.18	41	14769	4.07	ug/l	92
15) Acrylonitrile	3.06	53	13040	26.20	ug/l	85
16) Acetone	2.32	43	32029	33.14	ug/l	98
17) Carbon Disulfide	1.83	76	22481	4.76	ug/l	98
18) Methyl Acetate	2.44	43	17285	9.49	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	33239	5.03	ug/l #	89
20) Methylene Chloride	2.26	84	23746m	11.27	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	9533	4.73	ug/l #	88
22) Diisopropyl ether	2.92	45	38034	5.04	ug/l	94
23) Vinyl Acetate	3.32	43	110645	22.90	ug/l #	95
24) 1,1-Dichloroethane	2.98	63	23505	4.83	ug/l #	93
25) 2-Butanone	4.50	43	37229	29.51	ug/l	96
26) 2,2-Dichloropropane	3.75	77	18097	5.36	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	14242	4.64	ug/l	89
28) Bromochloromethane	3.87	49	10318	5.07	ug/l	96
29) Tetrahydrofuran	4.24	42	16218	28.68	ug/l	95
30) Chloroform	4.02	83	34090	4.84	ug/l	96
31) Cyclohexane	3.85	56	15031	4.55	ug/l #	82
32) 1,1,1-Trichloroethane	4.26	97	24676	4.67	ug/l	95
36) 1,1-Dichloropropene	4.44	75	20920	4.75	ug/l #	90
37) Ethyl Acetate	4.28	43	18315	6.32	ug/l	97
38) Carbon Tetrachloride	4.17	117	25173	4.63	ug/l #	86

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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	16424	4.14	ug/l	96
40) Benzene	4.80	78	47127	5.00	ug/l	96
41) Methacrylonitrile	4.91	41	8226	5.96	ug/l #	82
42) 1,2-Dichloroethane	5.09	62	26830	4.96	ug/l	96
43) Isopropyl Acetate	7.09	43	18268	5.24	ug/l #	97
44) Trichloroethene	5.66	130	15529	4.79	ug/l	96
45) 1,2-Dichloropropane	6.39	63	13442	4.92	ug/l	92
46) Dibromomethane	6.24	93	10659	4.54	ug/l	98
47) Bromodichloromethane	6.53	83	26686	4.77	ug/l	88
48) Methyl methacrylate	6.85	41	11551	5.18	ug/l #	75
49) 1,4-Dioxane	6.85	88	2086	159.50	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	73952	29.37	ug/l	91
52) Toluene	7.76	92	36098	4.95	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	25303	4.84	ug/l	92
54) cis-1,3-Dichloropropene	7.44	75	26542	4.78	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	12559	4.46	ug/l	97
56) Ethyl methacrylate	8.75	69	16556	5.11	ug/l	97
57) 1,3-Dichloropropane	8.99	76	23073	4.95	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.76	63	6307	24.51	ug/l	100
59) 2-Hexanone	9.62	43	63272	31.42	ug/l	93
60) Dibromochloromethane	8.85	129	18850	4.52	ug/l	97
61) 1,2-Dibromoethane	9.13	107	16236	4.96	ug/l	87
64) Tetrachloroethene	8.30	164	15738	4.88	ug/l	95
65) Chlorobenzene	9.93	112	45311	5.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	19275	5.11	ug/l	99
67) Ethyl Benzene	10.02	91	75589	4.99	ug/l	98
68) m/p-Xylenes	10.26	106	55676	10.28	ug/l	93
69) o-Xylene	10.82	106	30380	5.06	ug/l	100
70) Styrene	10.89	104	48365	5.31	ug/l	96
71) Bromoform	10.88	173	12422	4.64	ug/l	100
73) Isopropylbenzene	11.22	105	87508	4.75	ug/l	95
74) N-amyl acetate	11.45	43	33856	5.51	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	23800	5.39	ug/l	88
76) 1,2,3-Trichloropropane	11.88	75	18050	5.60	ug/l	86
77) Bromobenzene	11.59	156	25369	5.08	ug/l	87
78) n-propylbenzene	11.68	91	112570	5.19	ug/l	95
79) 2-Chlorotoluene	11.81	91	66742	5.11	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	76354	4.91	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	10781	5.29	ug/l #	85
82) 4-Chlorotoluene	11.98	91	72001	5.10	ug/l	97
83) tert-Butylbenzene	12.21	119	78816	5.02	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	86561	5.26	ug/l	97
85) sec-Butylbenzene	12.38	105	102106	4.84	ug/l	98
86) p-Isopropyltoluene	12.54	119	87168	5.03	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	50725	5.66	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	46807	5.31	ug/l	93
89) n-Butylbenzene	12.91	91	89771	5.10	ug/l	95
90) Hexachloroethane	12.99	117	20009	4.59	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	47764	5.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4882	5.12	ug/l	73

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Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

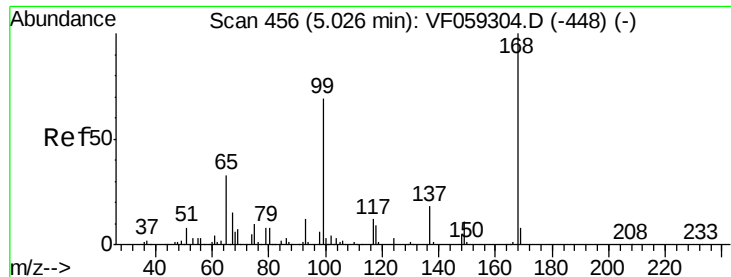
Manual Integrations
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Quant Time: Jun 26 08:05:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 07:57:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	34009	5.22	ug/l	93
94) Hexachlorobutadiene	14.25	225	16801	4.41	ug/l	92
95) Naphthalene	14.52	128	67435	5.02	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	30184	4.93	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 280933

Ion Ratio Lower Upper

168 100

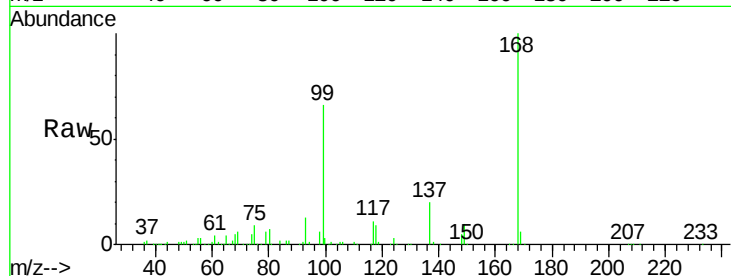
99 65.5 54.9 82.3

Manual Integrations

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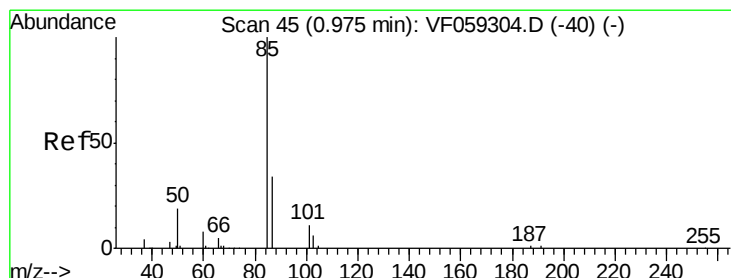
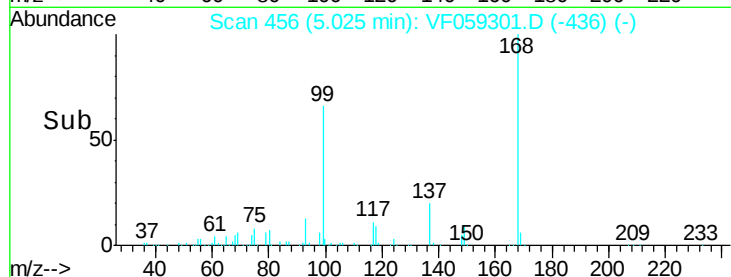
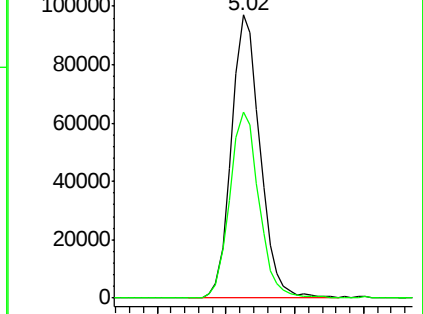
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.39 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059301.D

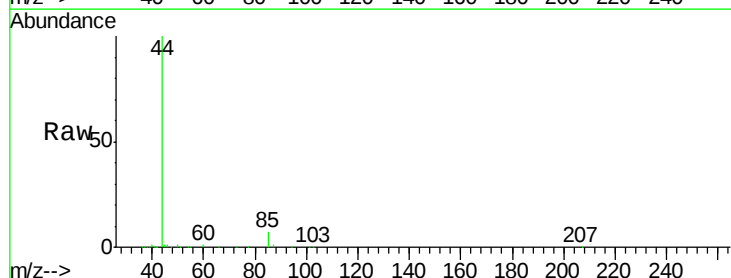
Acq: 25 Jun 2018 14:50

Tgt Ion: 85 Resp: 13940

Ion Ratio Lower Upper

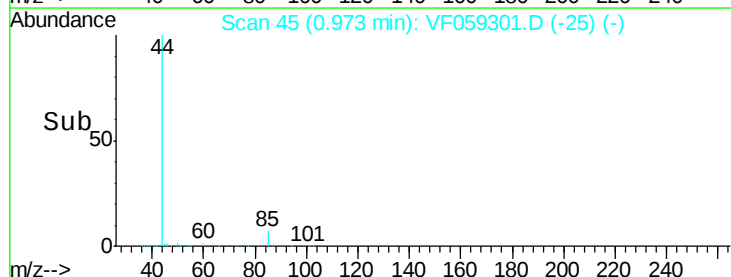
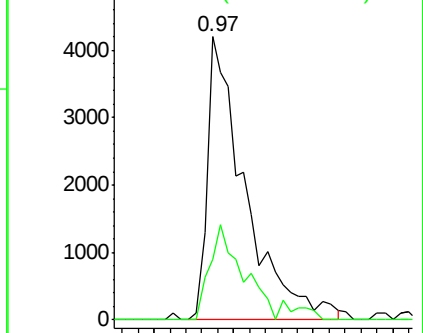
85 100

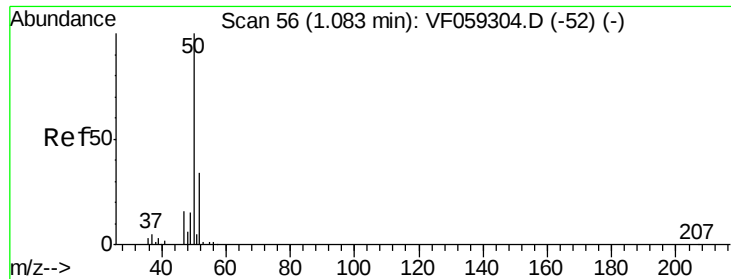
87 21.5 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.45 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10900

Ion Ratio Lower Upper

50 100

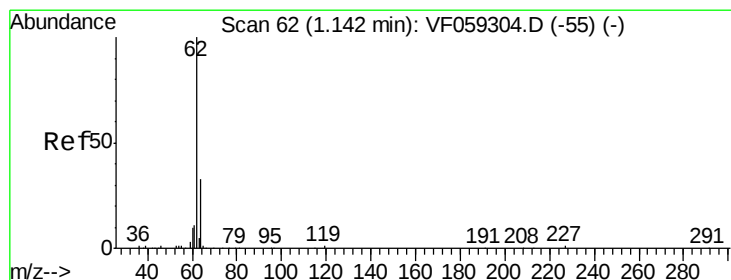
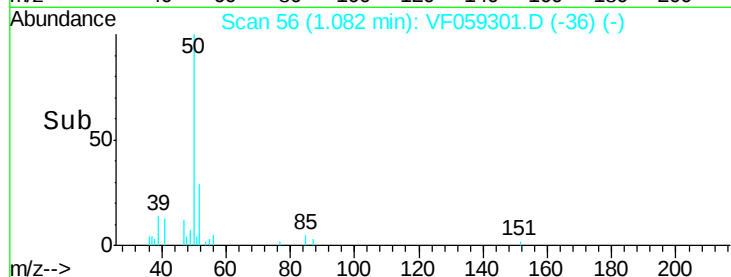
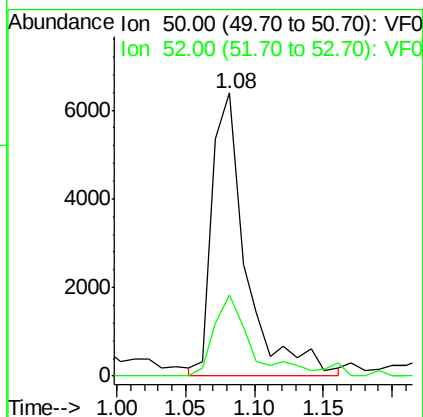
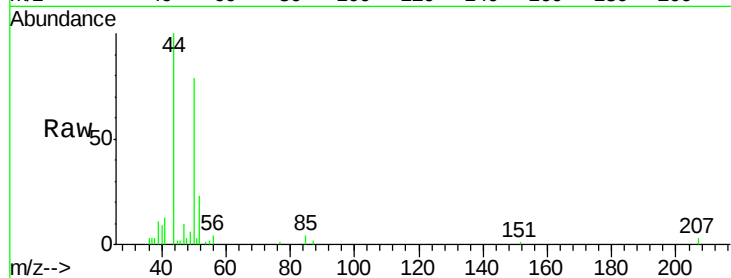
52 28.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.73 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059301.D

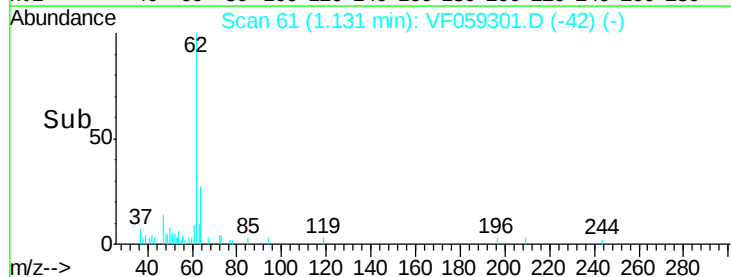
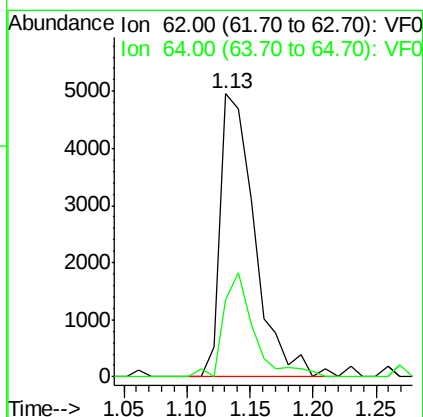
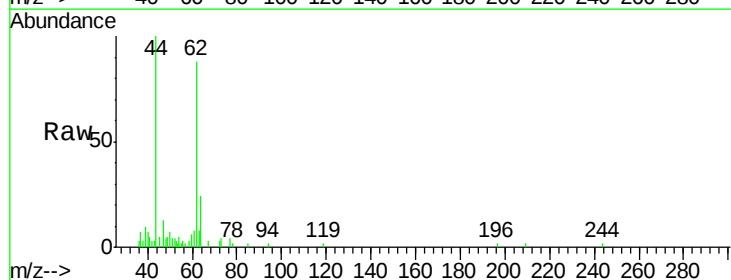
Acq: 25 Jun 2018 14:50

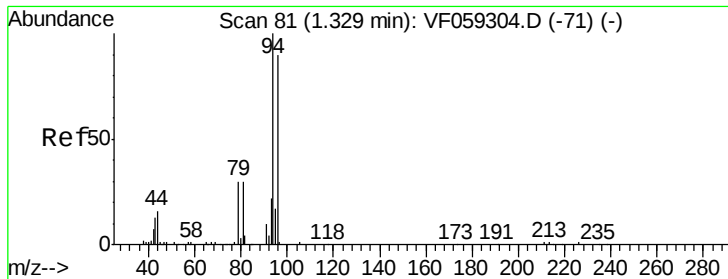
Tgt Ion: 62 Resp: 9360

Ion Ratio Lower Upper

62 100

64 27.3 26.3 39.5





#5

Bromomethane

Concen: 5.41 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7303

Ion Ratio Lower Upper

94 100

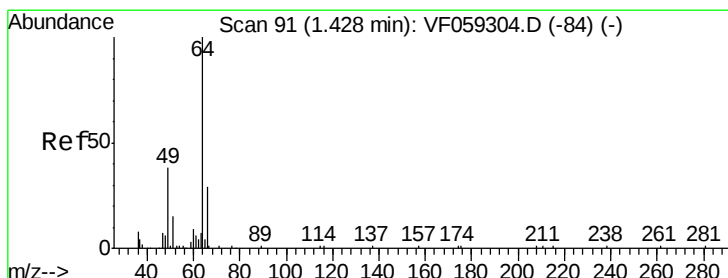
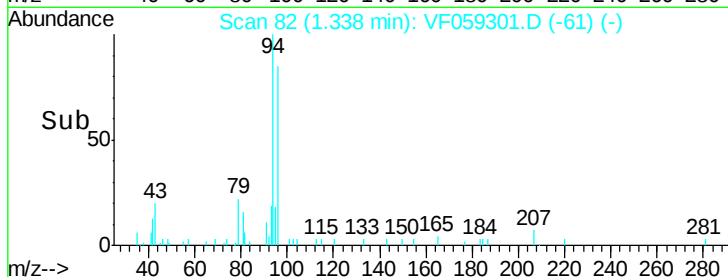
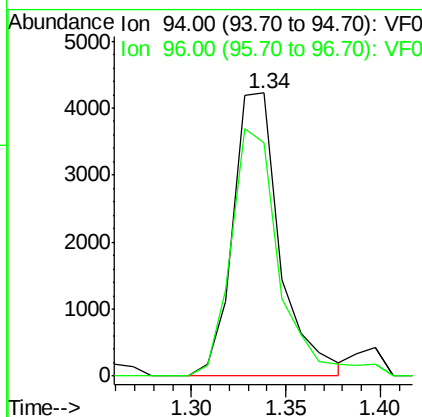
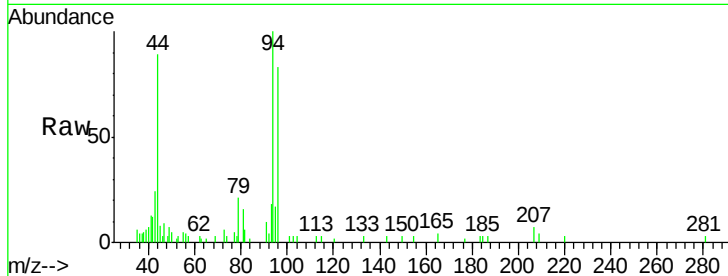
96 82.6 73.4 110.0

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#6

Chloroethane

Concen: 4.76 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059301.D

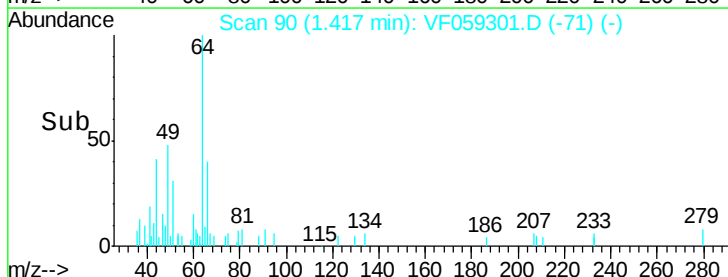
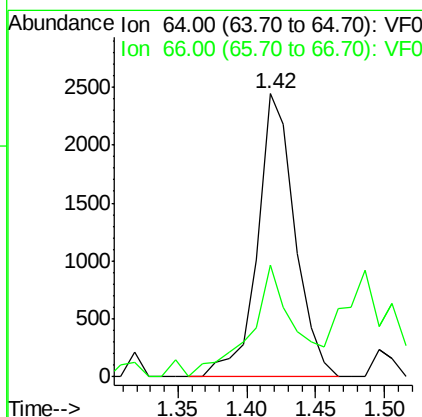
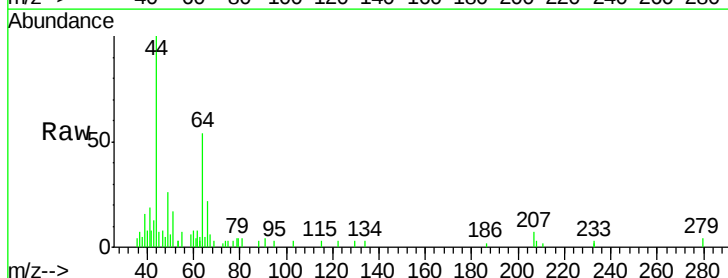
Acq: 25 Jun 2018 14:50

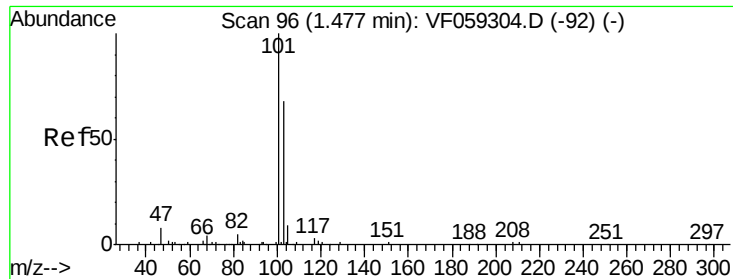
Tgt Ion: 64 Resp: 4615

Ion Ratio Lower Upper

64 100

66 39.6 23.9 35.9#





#7

Trichlorofluoromethane

Concen: 3.91 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 15138

Ion Ratio Lower Upper

101 100

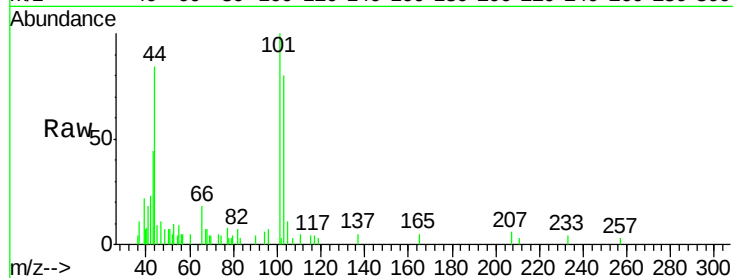
103 79.5 54.2 81.2

Manual Integrations

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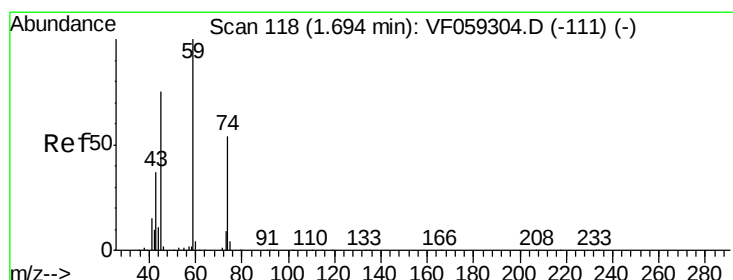
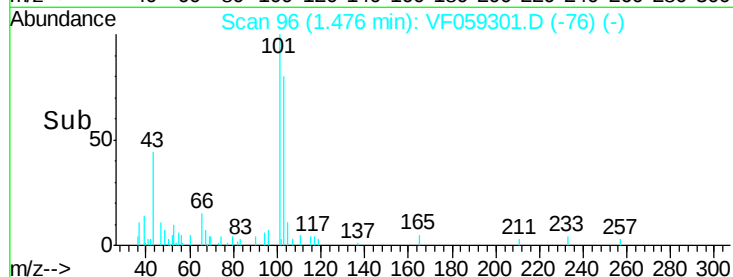
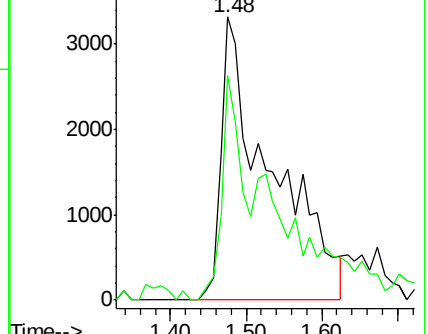
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.95 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059301.D

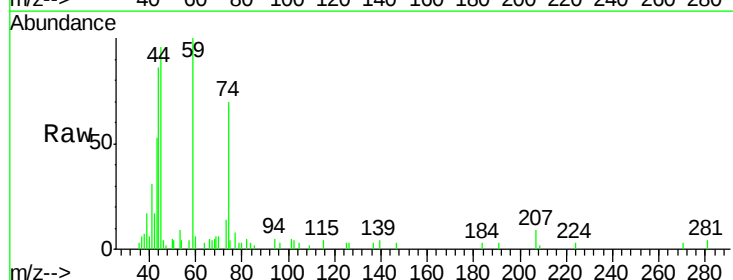
Acq: 25 Jun 2018 14:50

Tgt Ion: 74 Resp: 5339

Ion Ratio Lower Upper

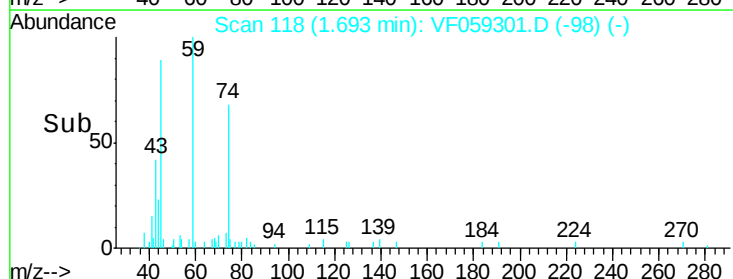
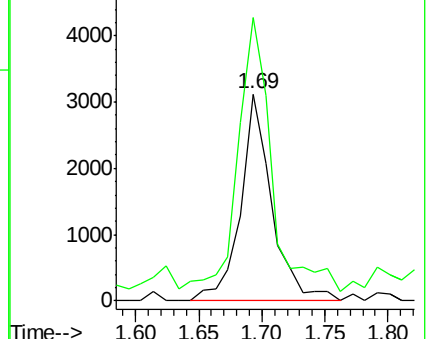
74 100

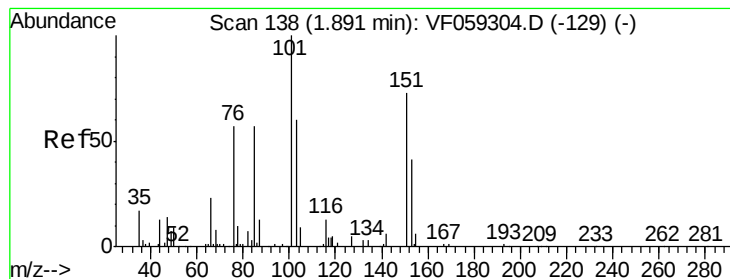
45 136.8 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.35 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

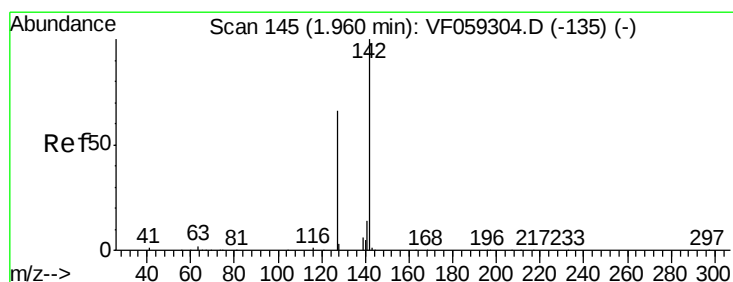
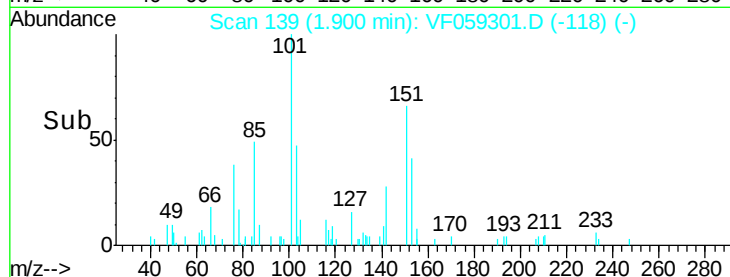
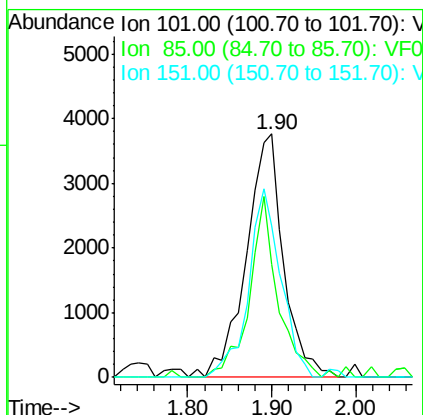
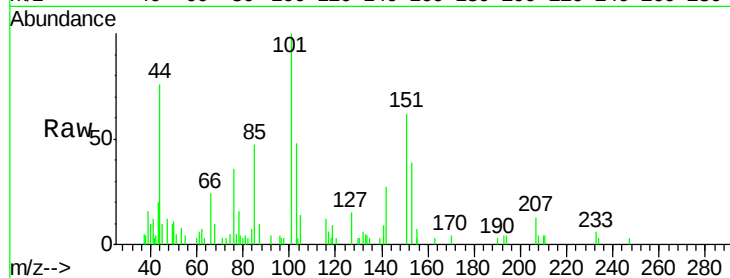
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11711
Ion Ratio	Lower	Upper	
101	100		
85	46.6	44.5	66.7
151	62.4	56.8	85.2

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#10

Methyl Iodide

Concen: 4.86 ug/l

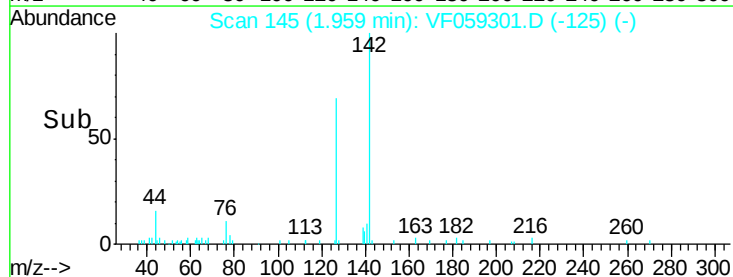
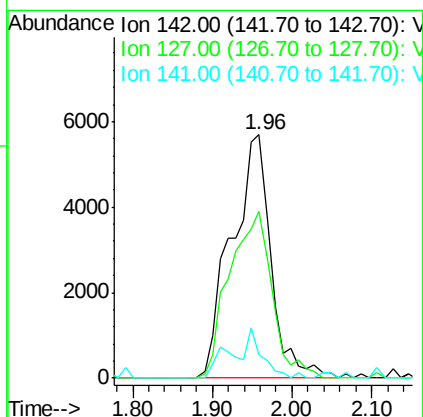
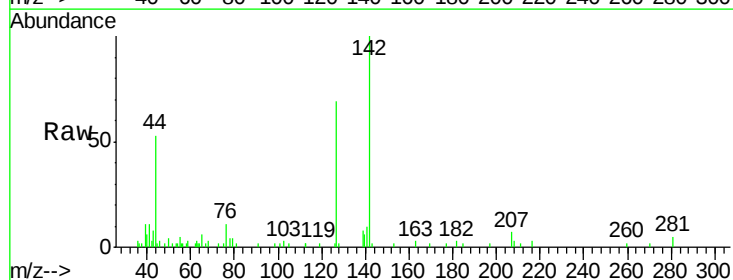
RT: 1.96 min Scan# 145

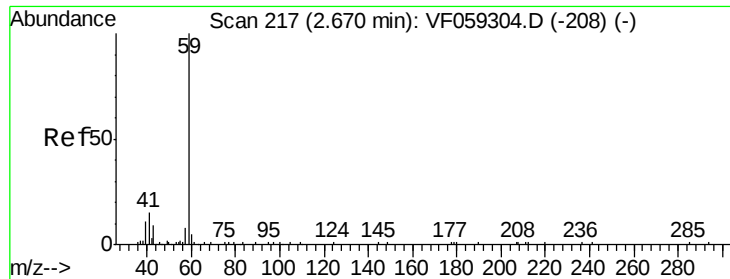
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	142	Resp:	19529
Ion Ratio	Lower	Upper	
142	100		
127	68.7	52.5	78.7
141	9.8	11.5	17.3#





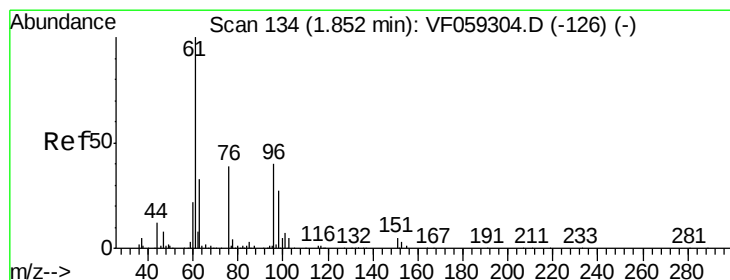
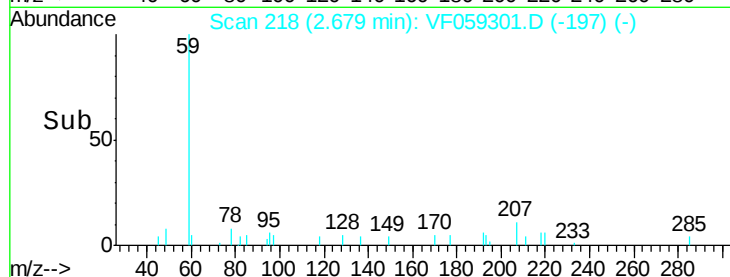
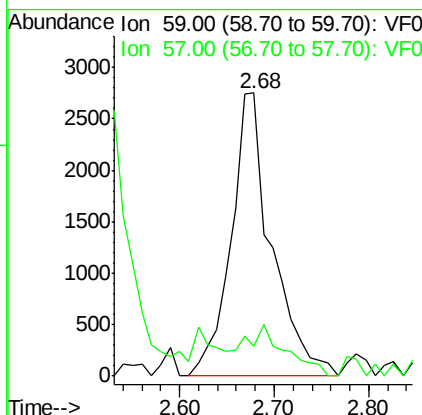
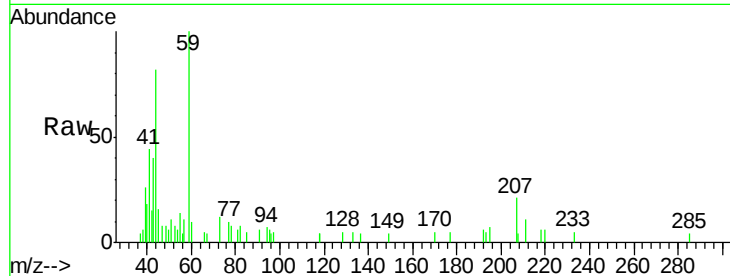
#11
Tert butyl alcohol
Concen: 34.06 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 8195
Ion Ratio Lower Upper
59 100
57 10.7 11.0 16.4#

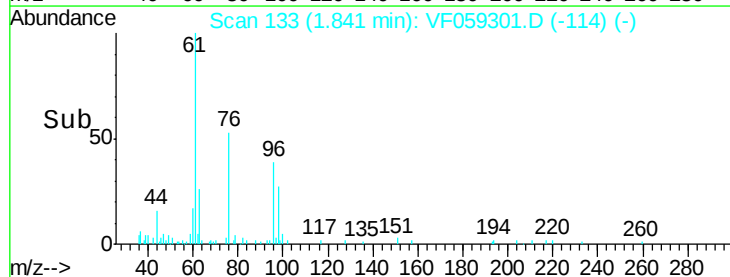
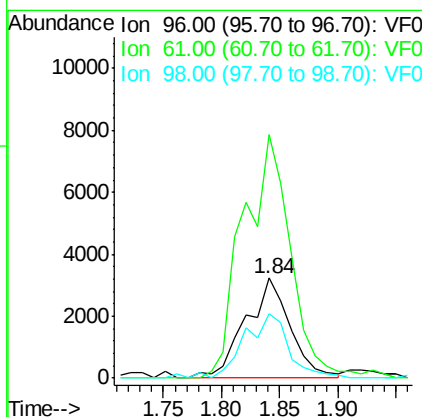
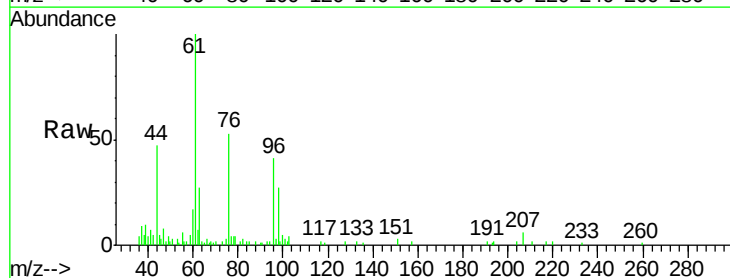
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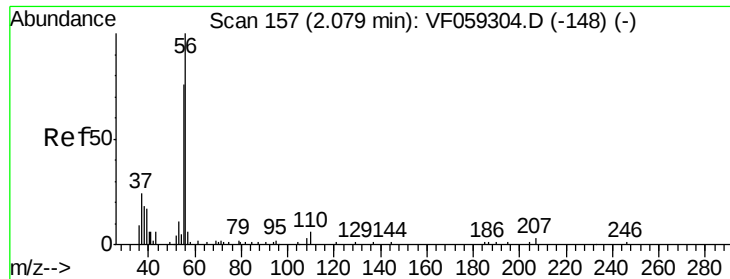
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#12
1,1-Dichloroethene
Concen: 4.40 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion: 96 Resp: 8631
Ion Ratio Lower Upper
96 100
61 243.8 201.1 301.7
98 70.2 53.9 80.9





#13

Acrolein

Concen: 23.91 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4586

Ion Ratio Lower Upper

56 100

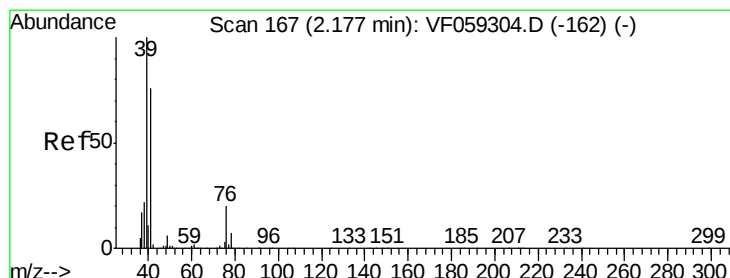
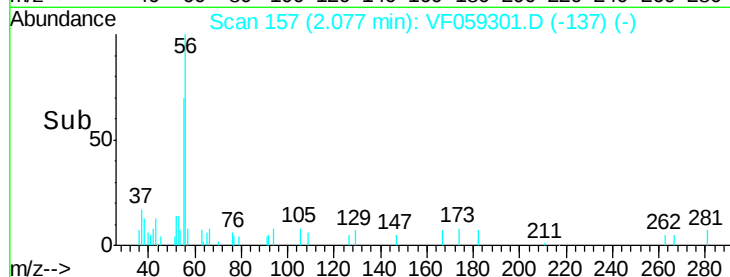
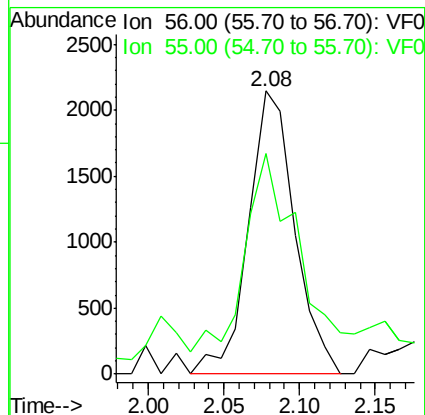
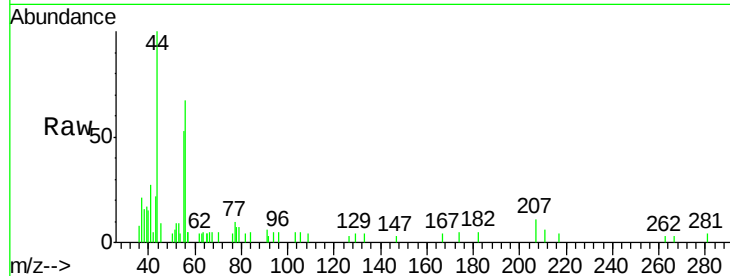
55 77.9 62.4 93.6

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#14

Allyl chloride

Concen: 4.07 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

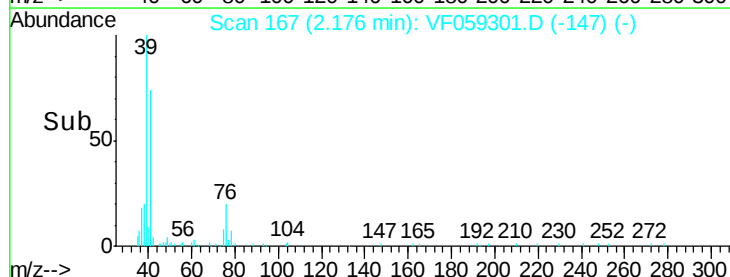
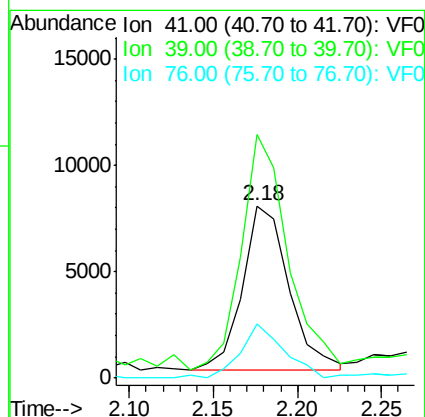
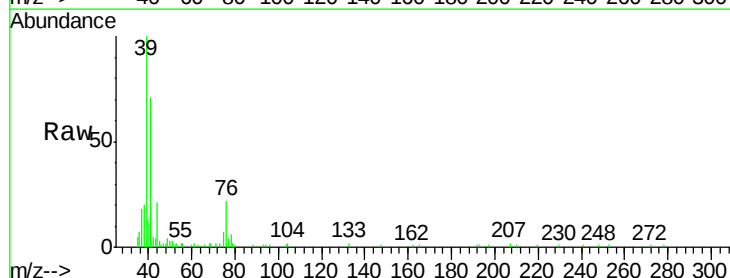
Tgt Ion: 41 Resp: 14769

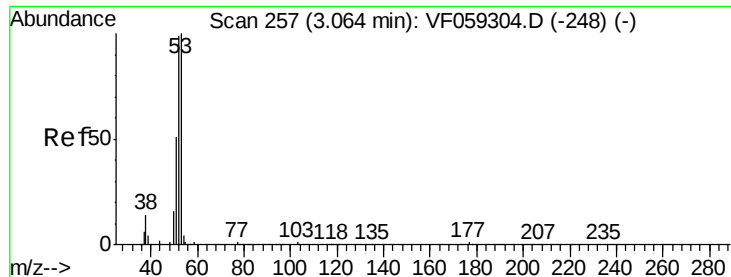
Ion Ratio Lower Upper

41 100

39 141.4 105.6 158.4

76 31.4 21.6 32.4





#15

Acrylonitrile

Concen: 26.20 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

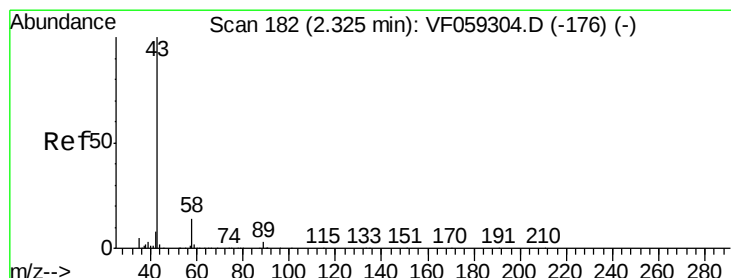
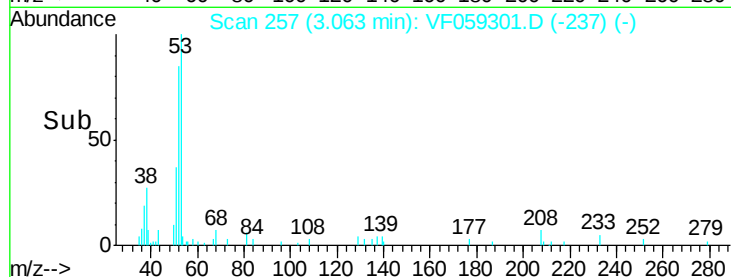
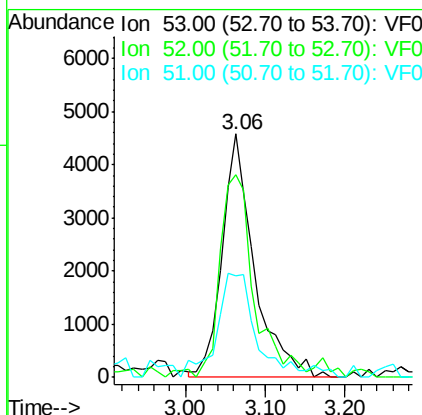
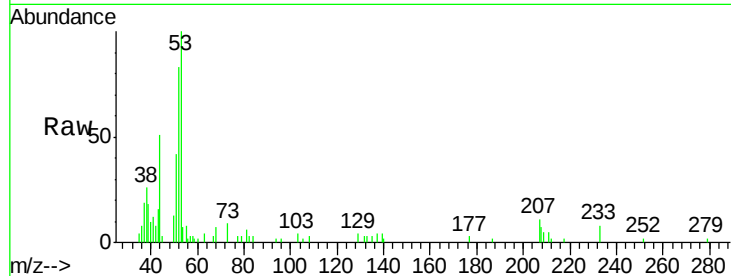
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	13040
Ion	Ratio	Lower	Upper
53	100		
52	83.3	79.2	118.8
51	41.7	40.9	61.3

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#16

Acetone

Concen: 33.14 ug/l

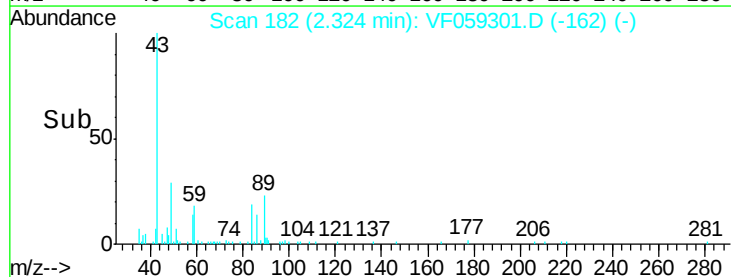
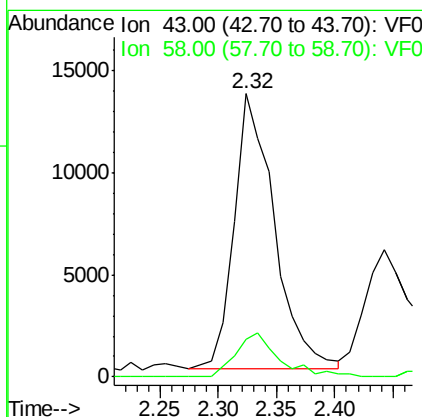
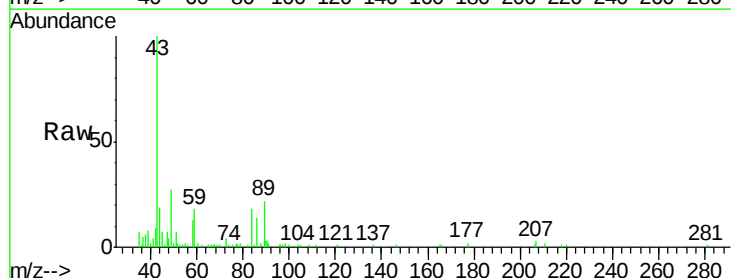
RT: 2.32 min Scan# 182

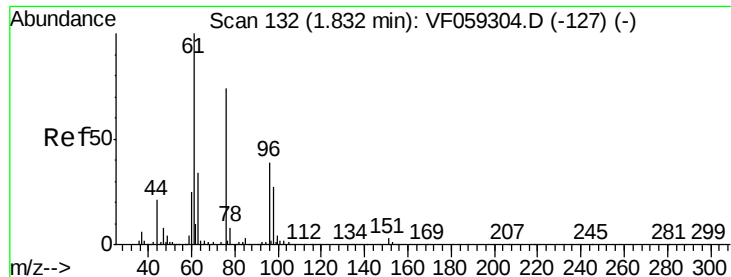
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	43	Resp:	32029
Ion	Ratio	Lower	Upper
43	100		
58	13.3	11.4	17.0





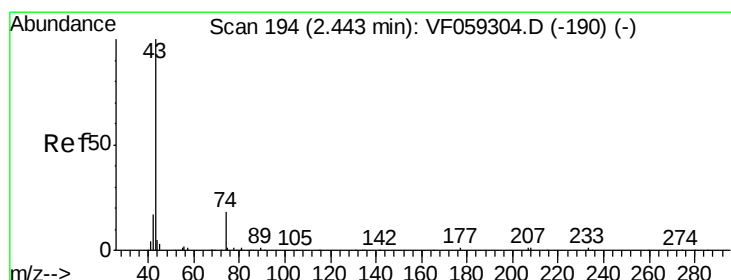
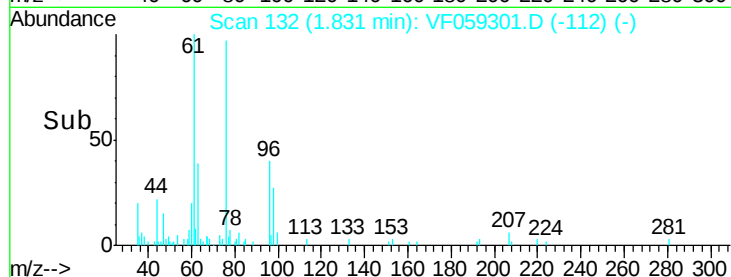
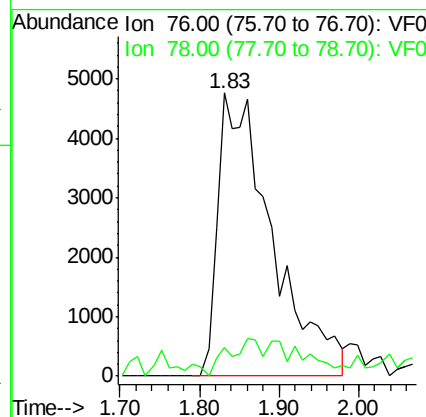
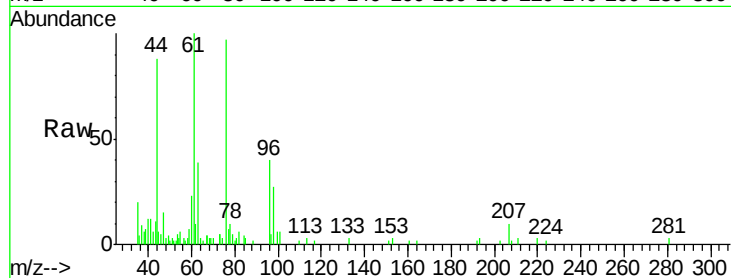
#17
Carbon Disulfide
Concen: 4.76 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	8.9	13.3

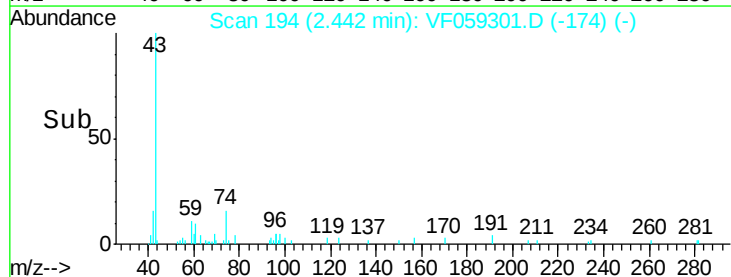
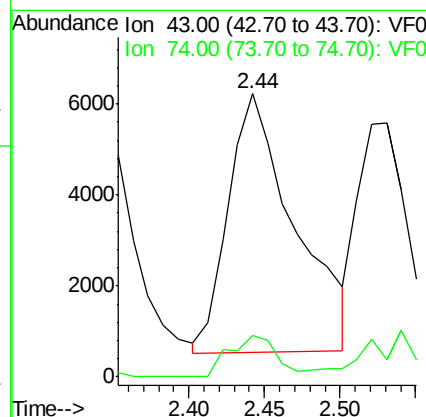
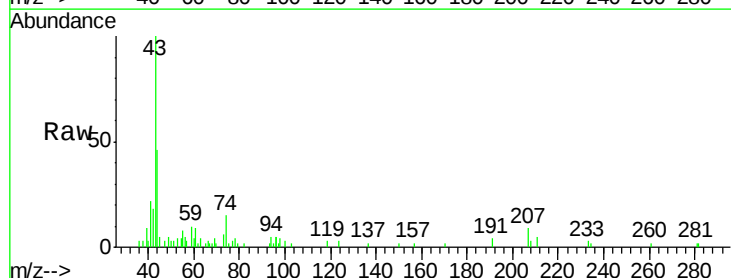
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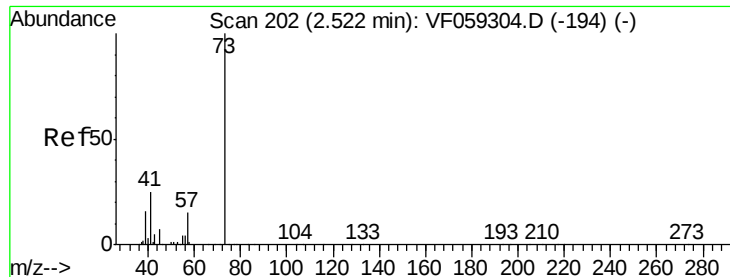
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#18
Methyl Acetate
Concen: 9.49 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.5	13.3	19.9





#19

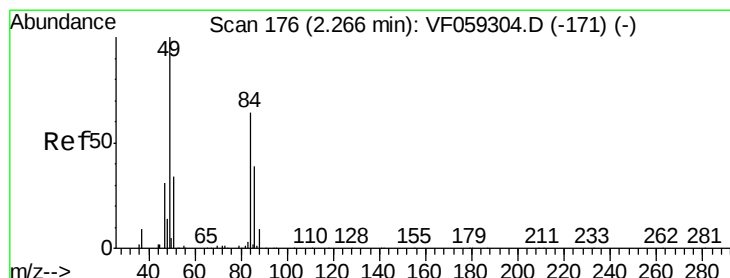
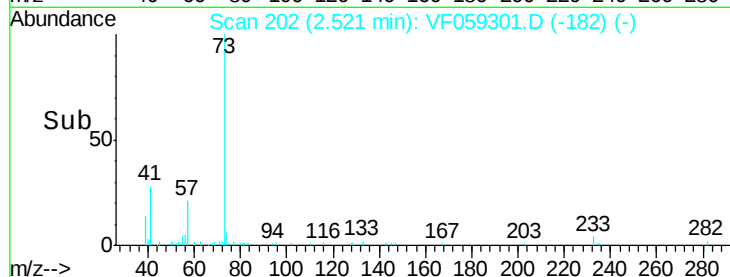
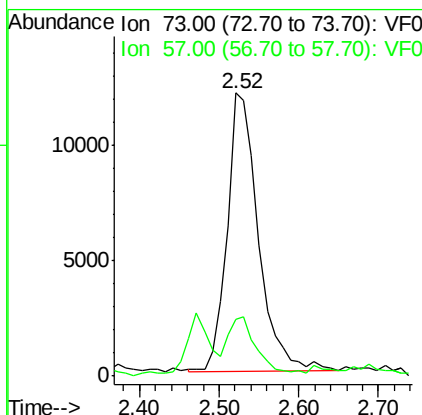
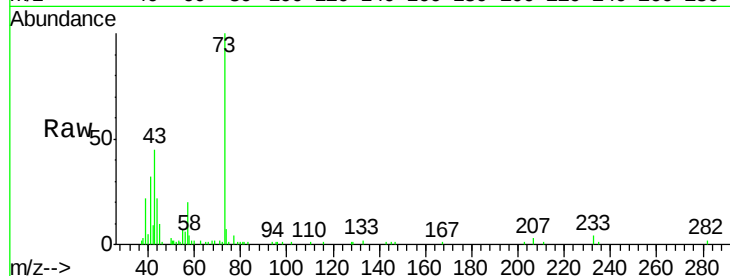
Methyl tert-butyl Ether
Concen: 5.03 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	12.3	18.5#

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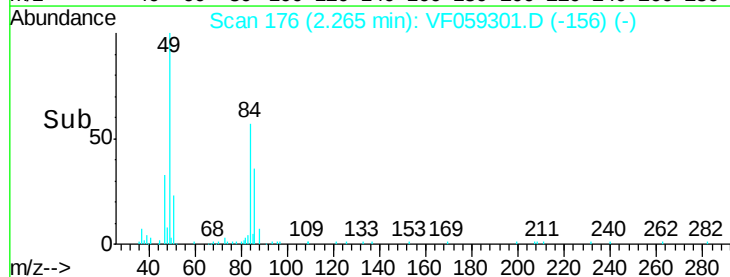
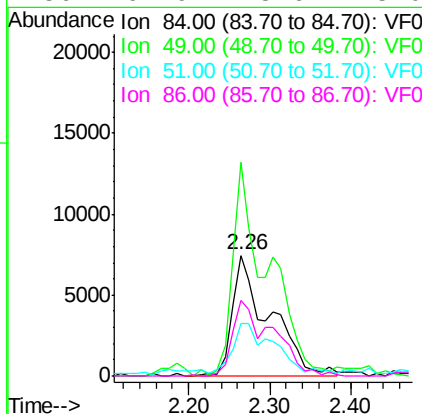
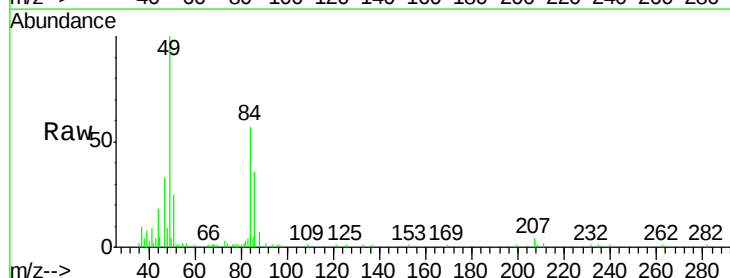
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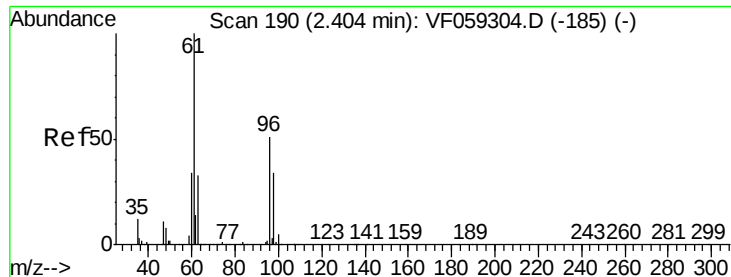


#20

Methylene Chloride
Concen: 11.27 ug/l m
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.6	126.5	189.7
51	43.5	42.9	64.3
86	62.9	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 4.73 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

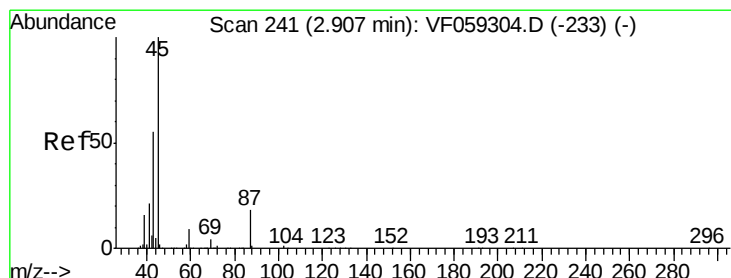
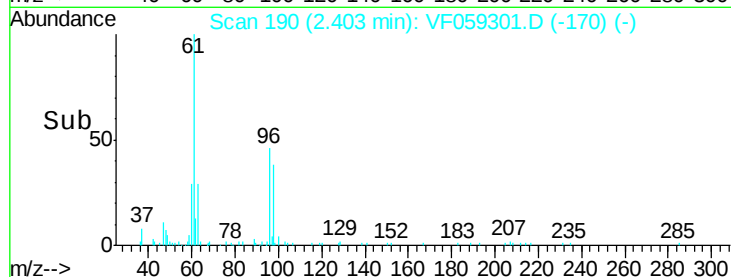
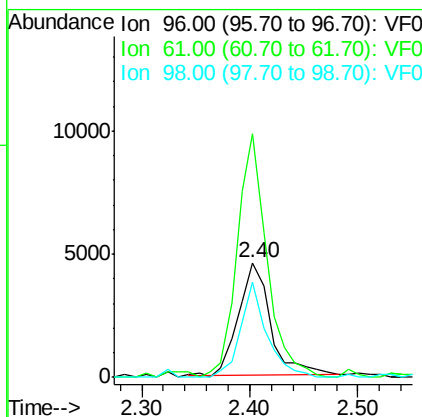
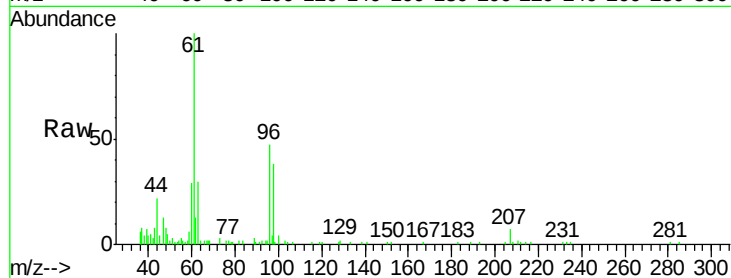
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	9533
Ion	Ratio	Lower	Upper
96	100		
61	212.0	157.4	236.2
98	82.6	53.7	80.5#

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#22

Diisopropyl ether

Concen: 5.04 ug/l

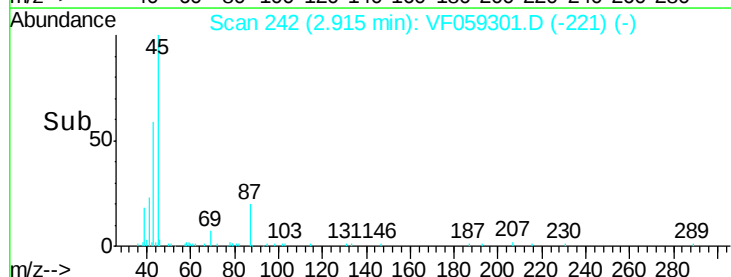
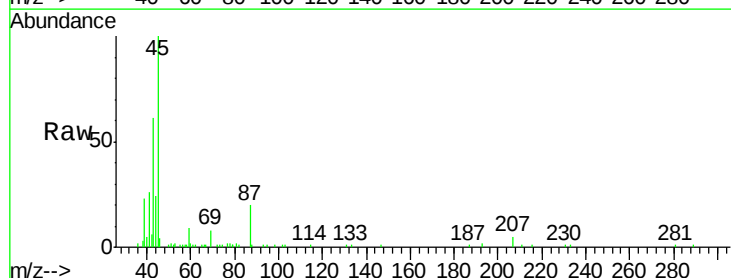
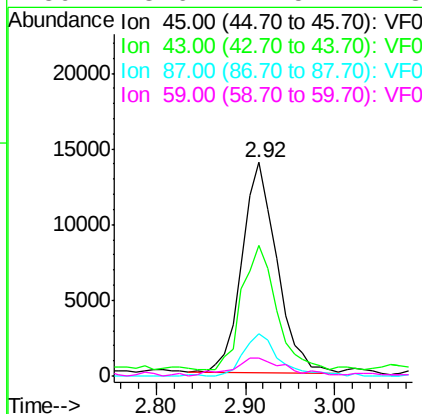
RT: 2.92 min Scan# 242

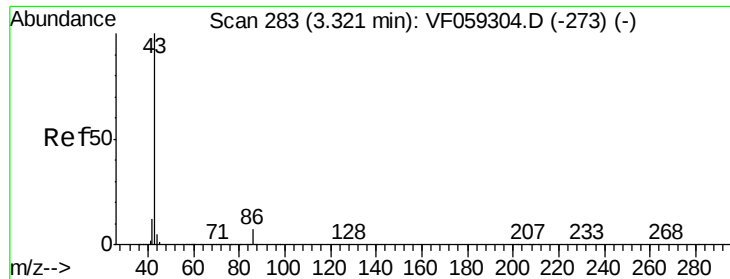
Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	45	Resp:	38034
Ion	Ratio	Lower	Upper
45	100		
43	61.2	44.6	66.8
87	19.6	14.3	21.5
59	8.6	7.5	11.3





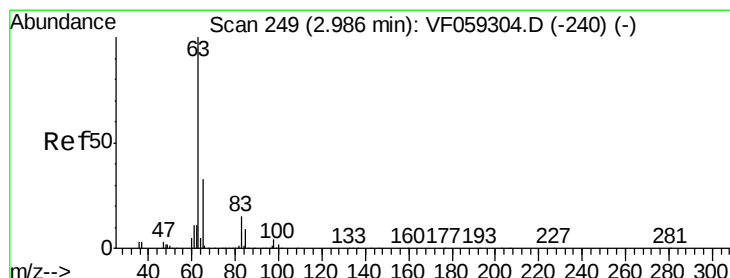
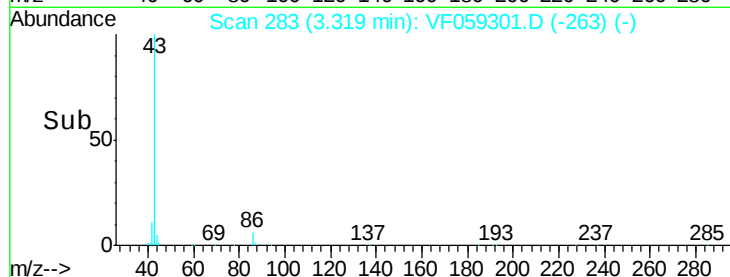
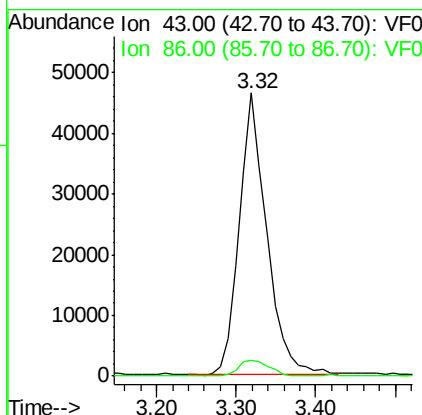
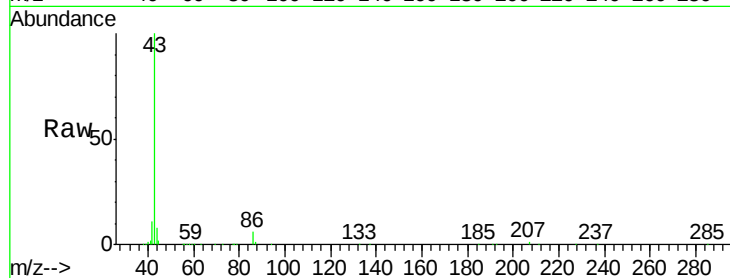
#23
 Vinyl Acetate
 Concen: 22.90 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

Tot Ion	43	Resp	110645
Ion Ratio	100	Lower	Upper
43	100		
86	5.6	5.8	8.6#

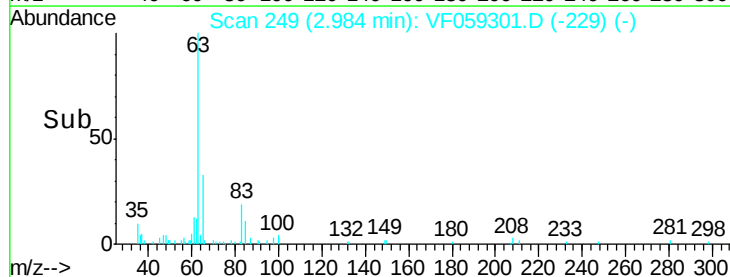
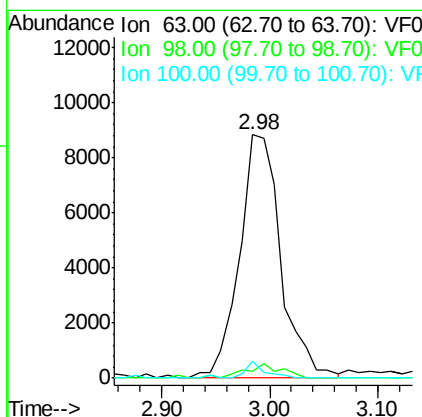
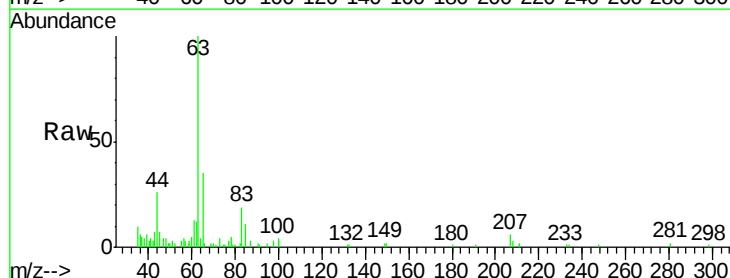
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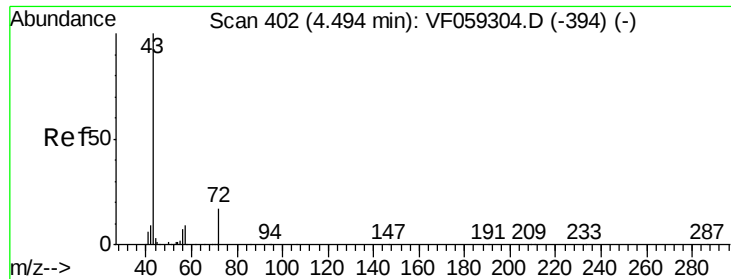
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#24
 1,1-Dichloroethane
 Concen: 4.83 ug/l
 RT: 2.98 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	63	Resp	23505
Ion Ratio	100	Lower	Upper
63	100		
98	3.0	2.0	6.0
100	7.0	1.3	3.9#





#25

2-Butanone

Concen: 29.51 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37229

Ion Ratio Lower Upper

43 100

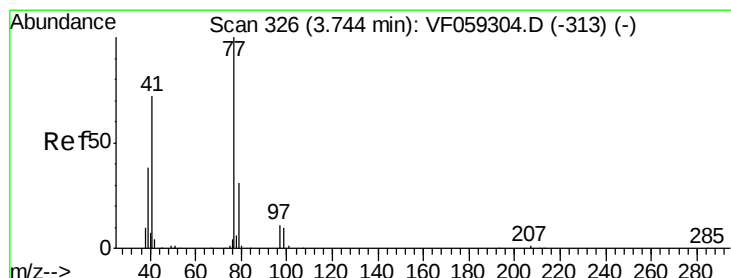
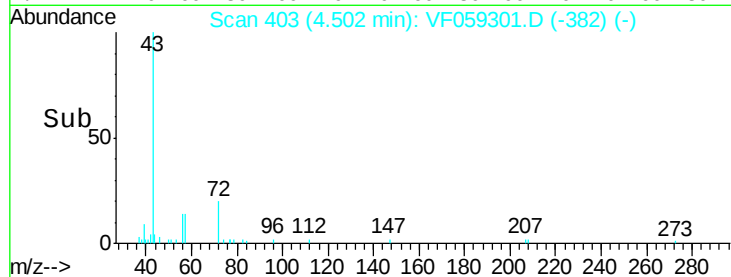
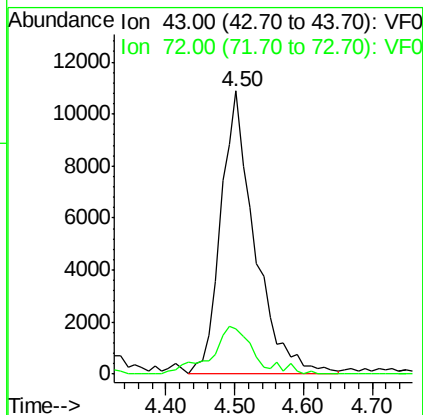
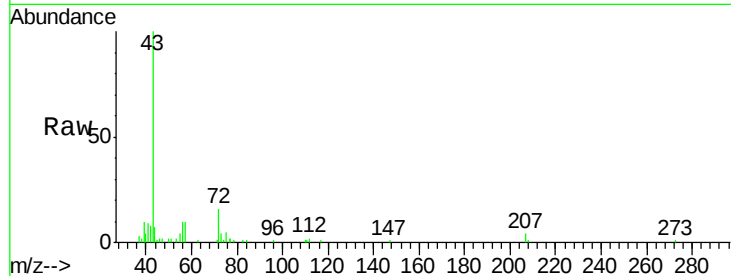
72 16.2 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.36 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059301.D

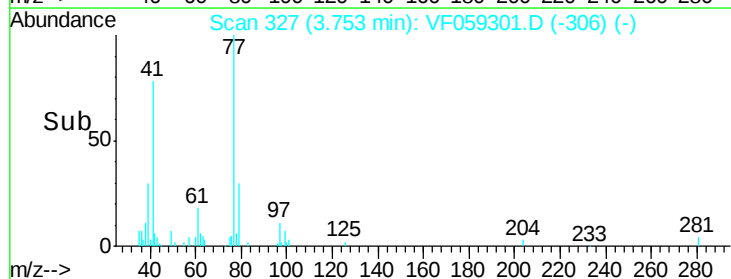
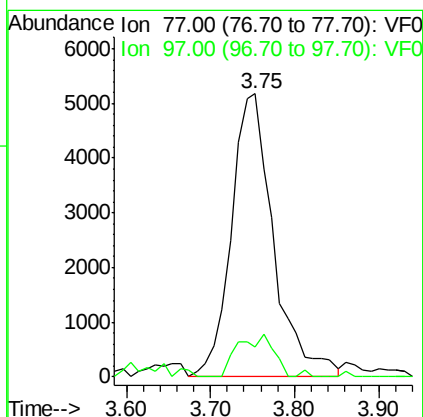
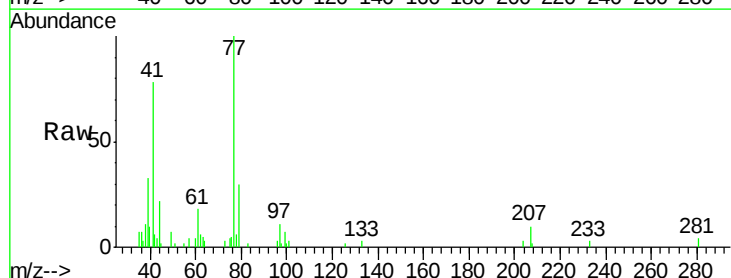
Acq: 25 Jun 2018 14:50

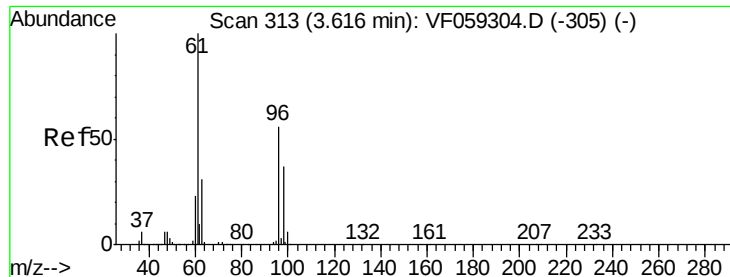
Tgt Ion: 77 Resp: 18097

Ion Ratio Lower Upper

77 100

97 12.8 8.0 23.8





#27

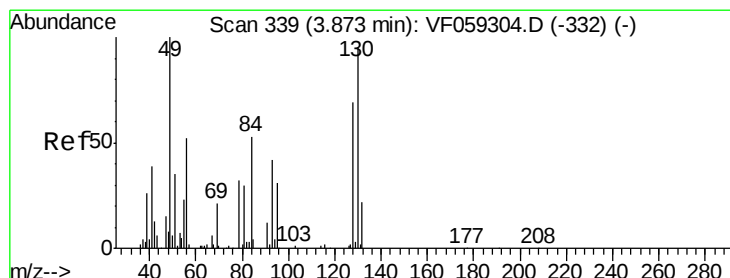
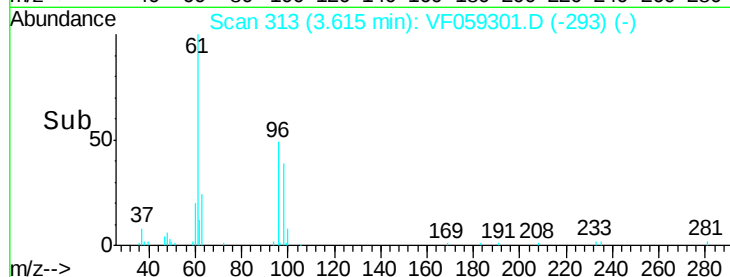
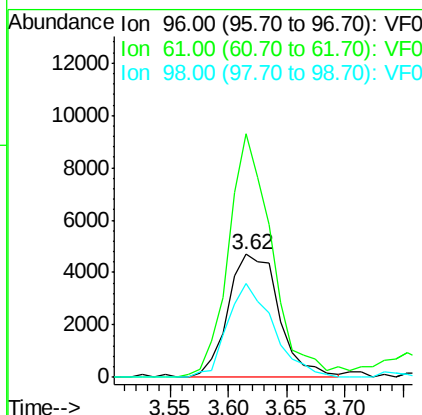
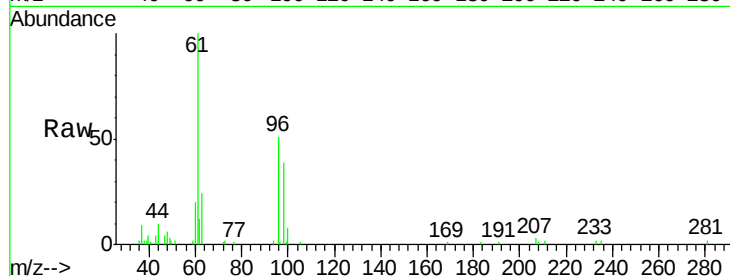
cis-1,2-Dichloroethene
Concen: 4.64 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	193.0	0.0	355.4
98	74.7	0.0	131.0

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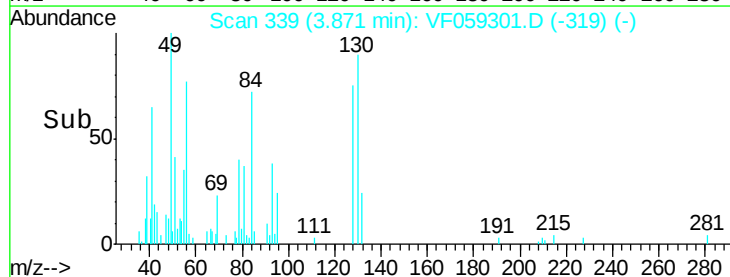
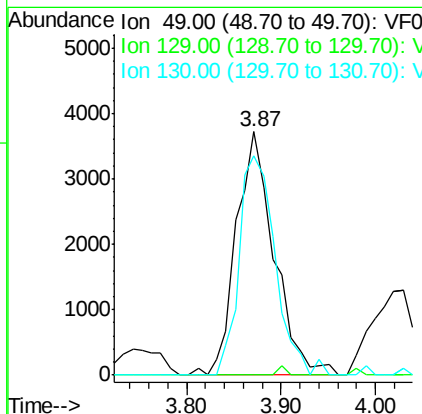
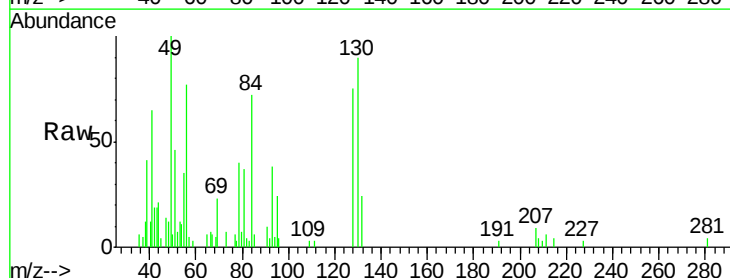
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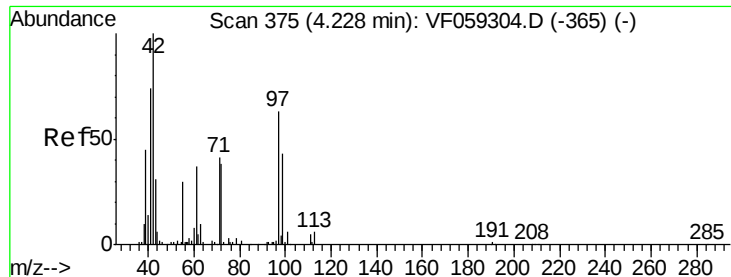


#28

Bromochloromethane
Concen: 5.07 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	89.8	75.1	112.7





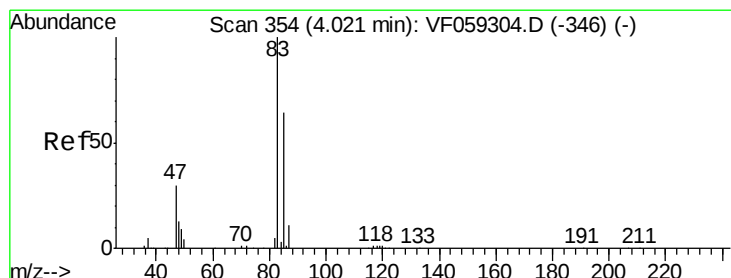
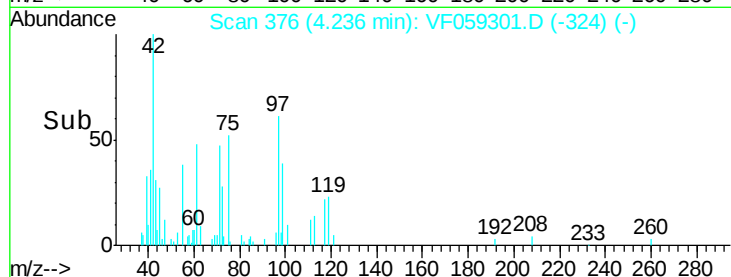
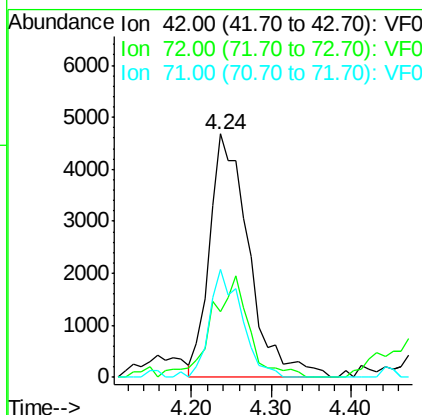
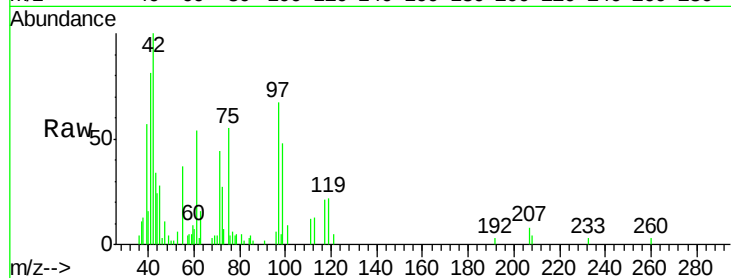
#29
Tetrahydrofuran
Concen: 28.68 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.5	45.7
71	36.4	32.5	48.7

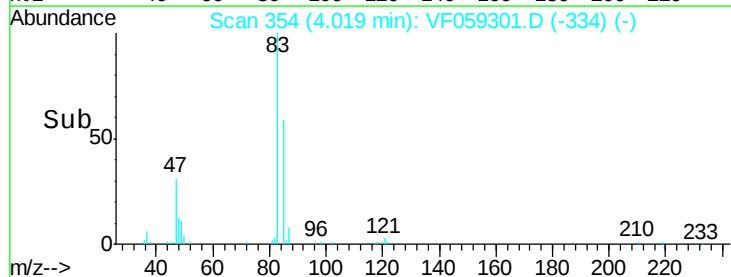
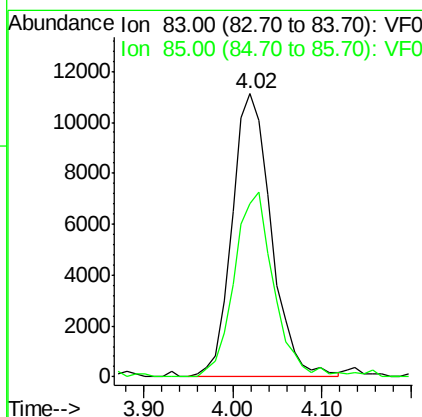
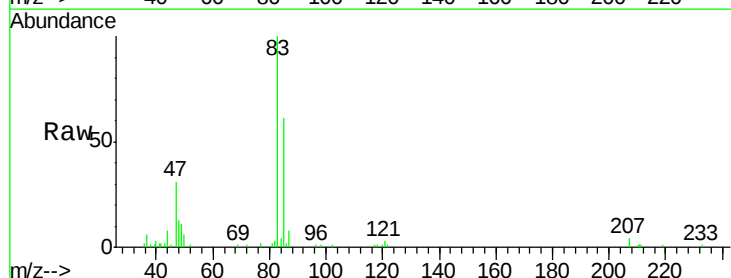
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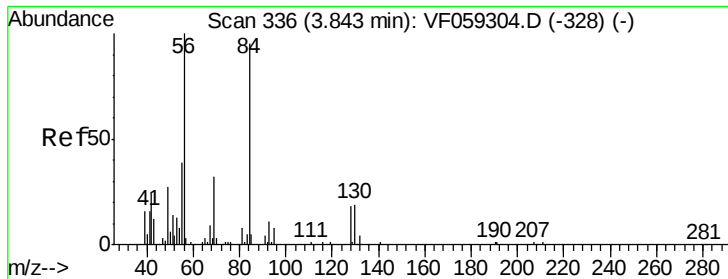
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#30
Chloroform
Concen: 4.84 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.3	76.9





#31

Cyclohexane

Concen: 4.55 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

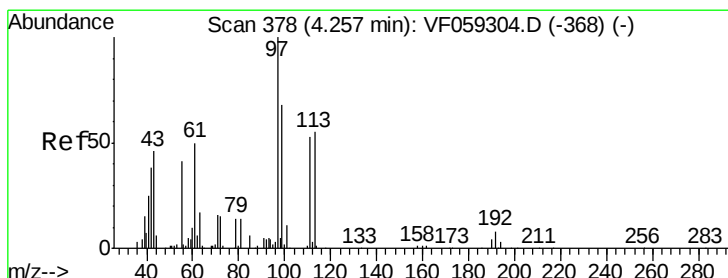
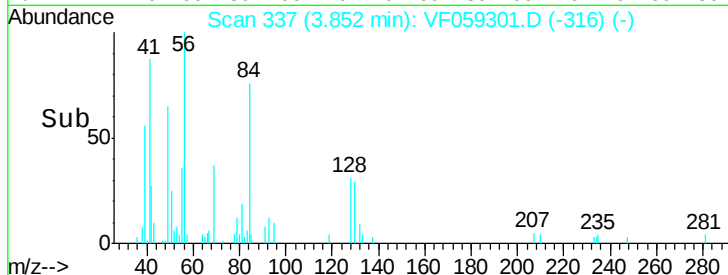
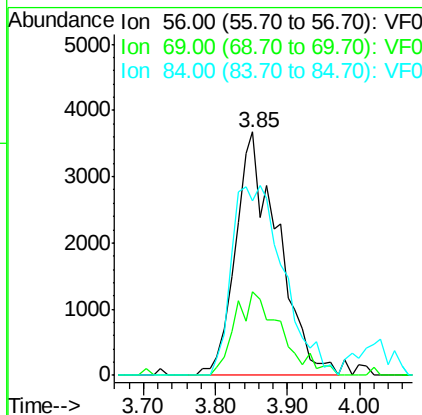
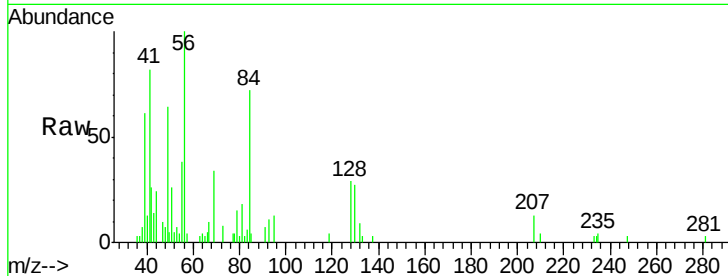
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	15031
Ion Ratio	Lower	Upper	
56	100		
69	34.5	25.8	38.8
84	71.8	75.6	113.4#

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#32

1,1,1-Trichloroethane

Concen: 4.67 ug/l

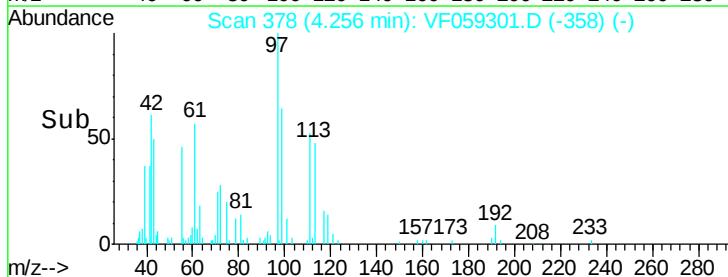
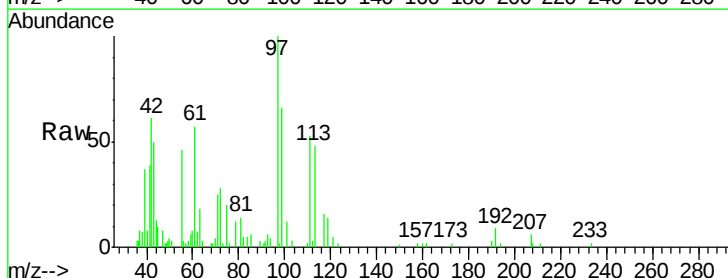
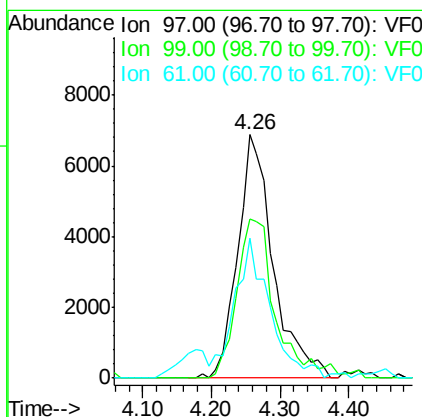
RT: 4.26 min Scan# 378

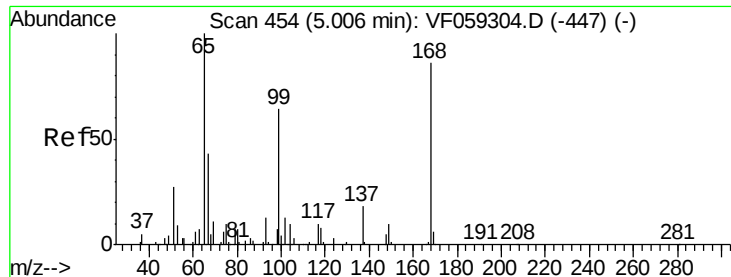
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	97	Resp:	24676
Ion Ratio	Lower	Upper	
97	100		
99	64.2	54.1	81.1
61	56.0	41.2	61.8





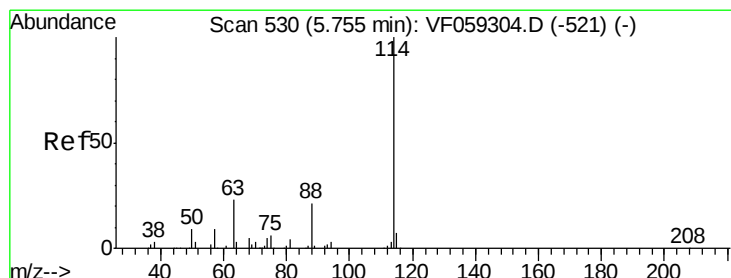
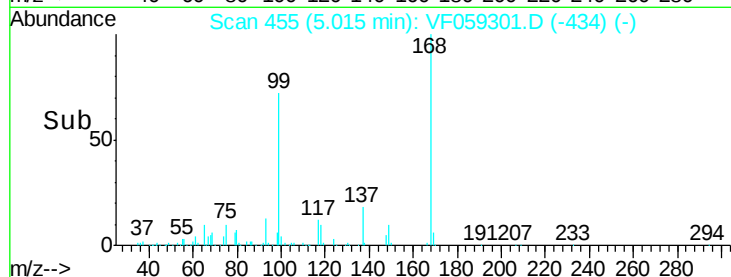
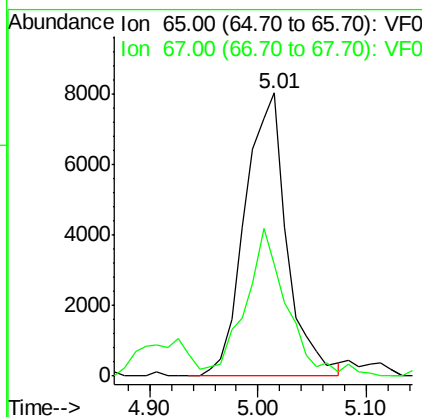
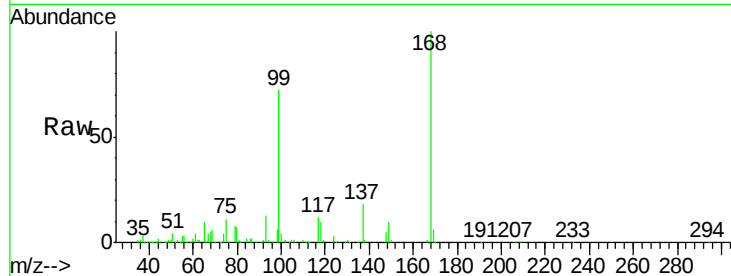
#33
 1,2-Dichloroethane-d4
 Concen: 5.48 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	21689		
67	39.6	0.0	96.8	

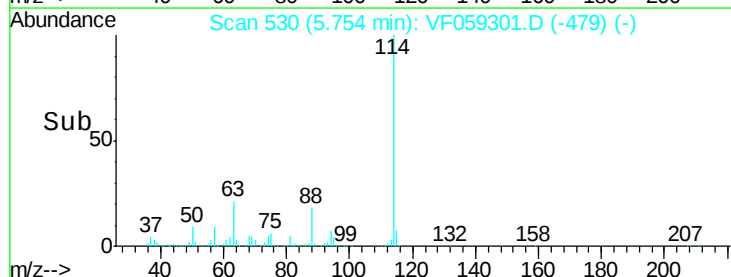
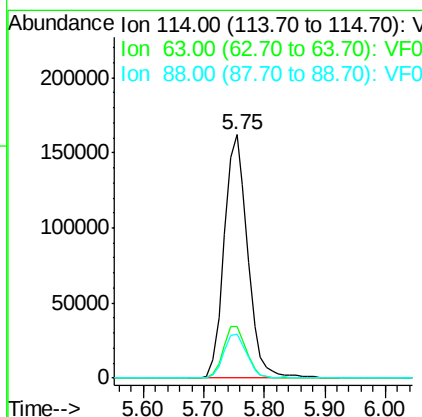
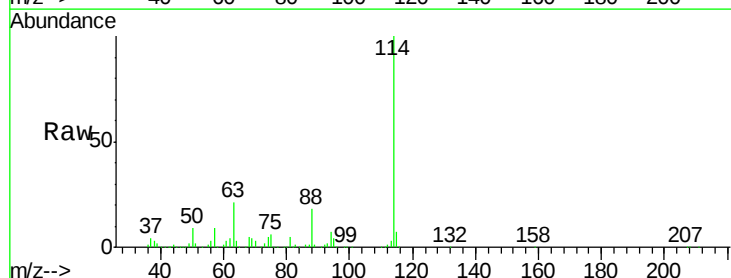
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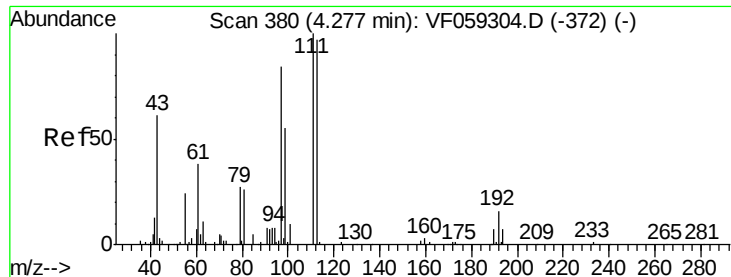
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435322		
63	21.1	0.0	45.8	
88	17.9	0.0	41.2	





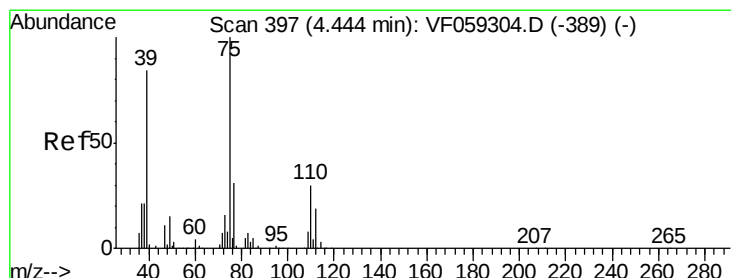
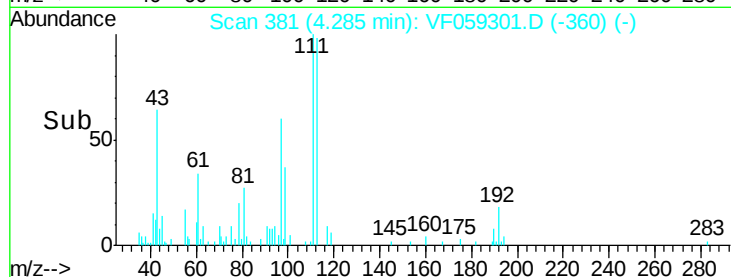
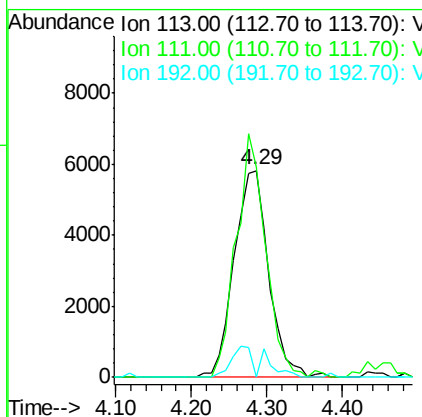
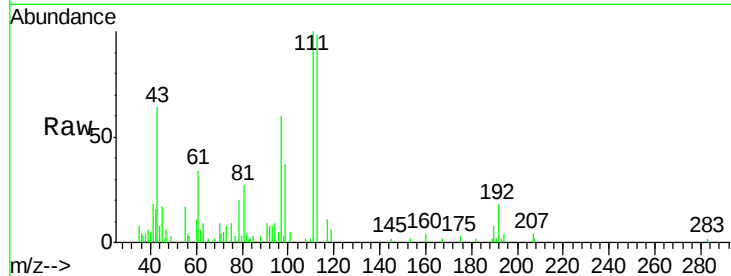
#35
Dibromofluoromethane
Concen: 5.15 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	18407		
111	101.6	82.1	123.1	
192	0.0	13.0	19.6	

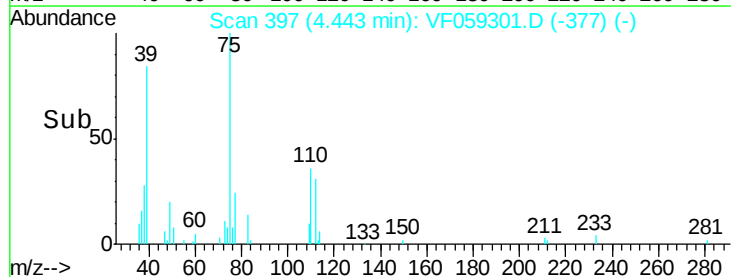
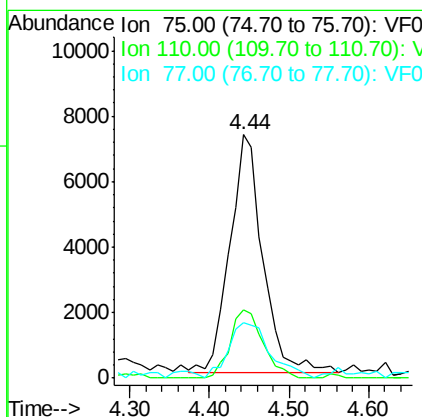
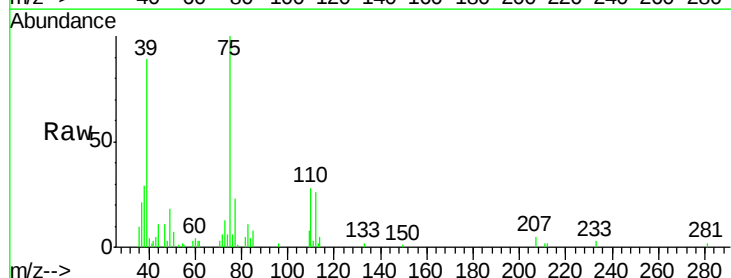
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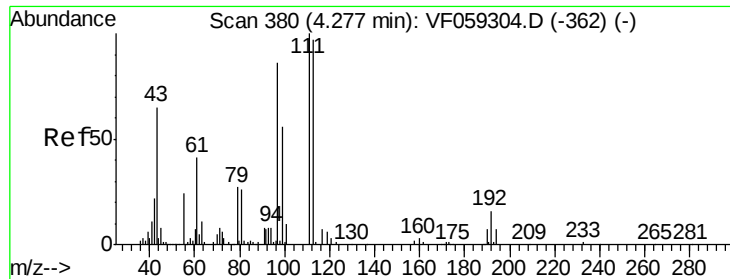
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#36
1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 4.44 min Scan# 397
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20920		
110	27.8	14.8	44.4	
77	22.8	25.2	37.8	





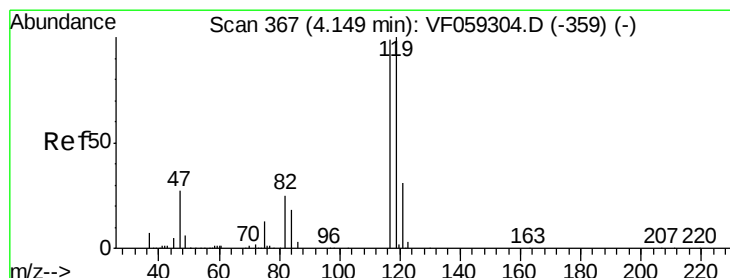
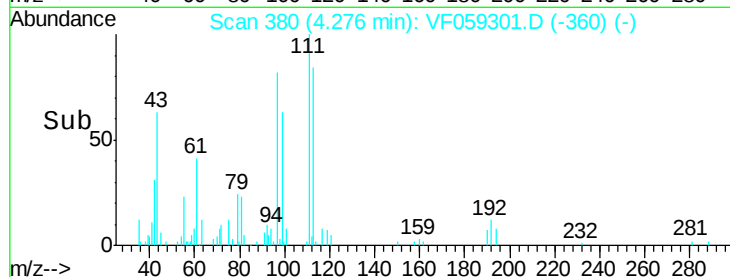
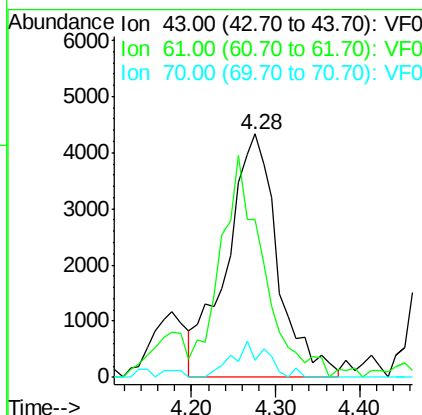
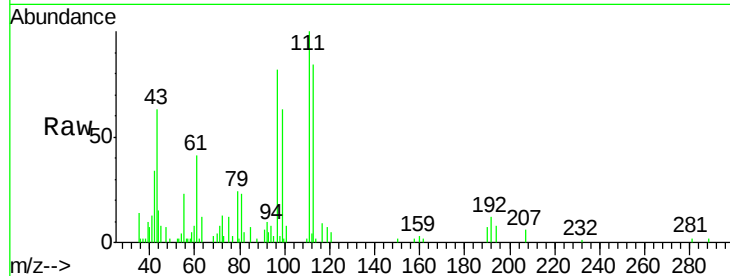
#37
Ethyl Acetate
Concen: 6.32 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	64.7	50.1	75.1
70	6.8	6.2	9.4

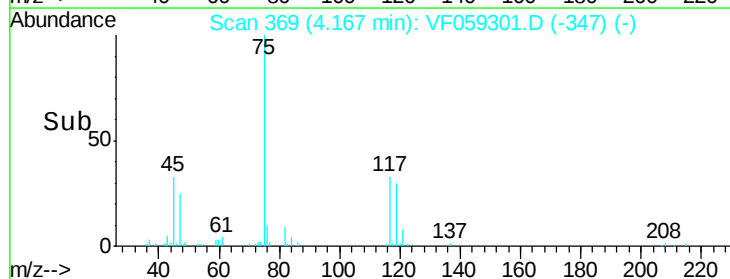
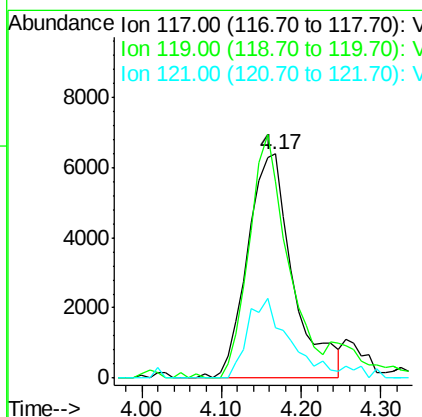
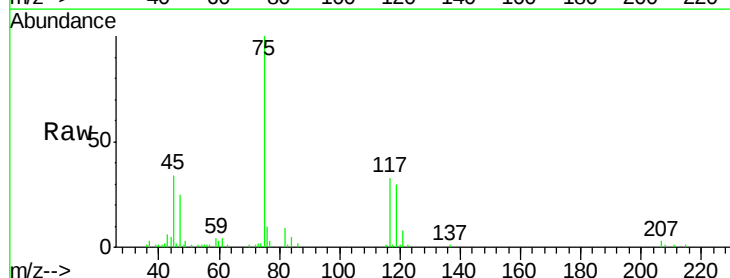
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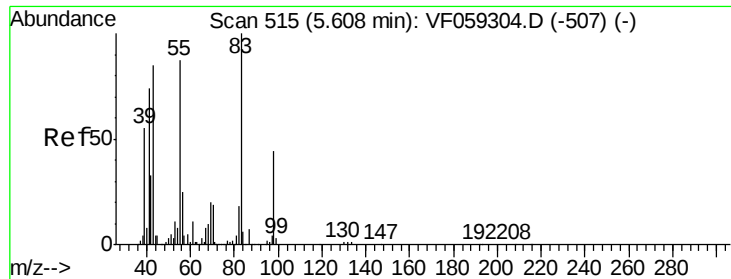
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#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.02 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.6	81.0	121.4
121	22.5	24.7	37.1#





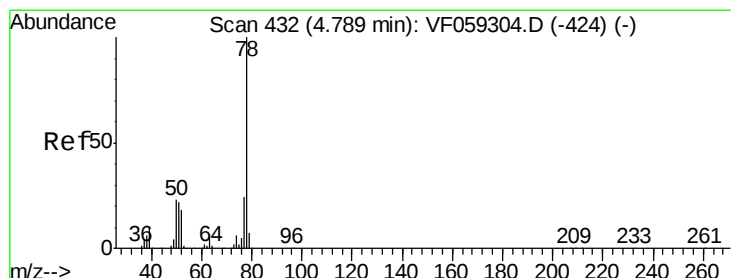
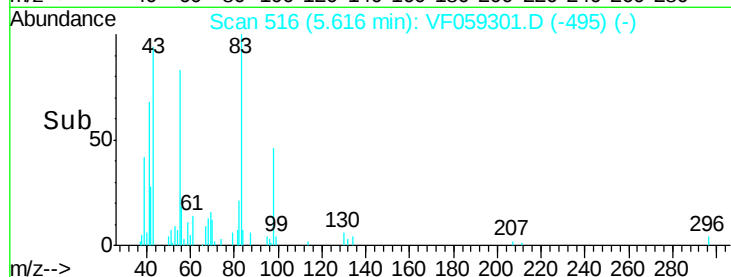
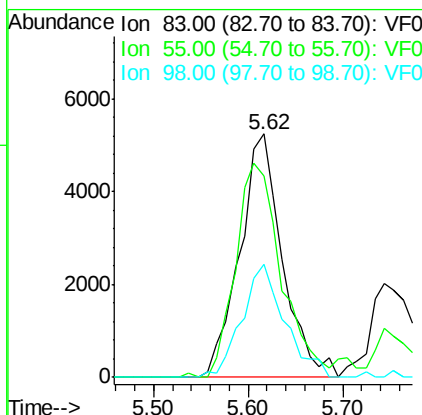
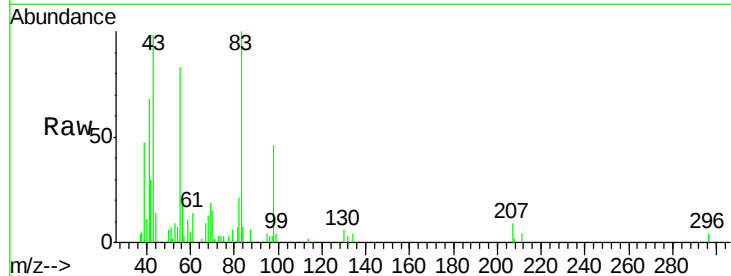
#39
Methvlcvclohexane
Concen: 4.14 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	16424
Ion Ratio	Lower	Upper	
83	100		
55	82.7	69.2	103.8
98	46.5	35.0	52.6

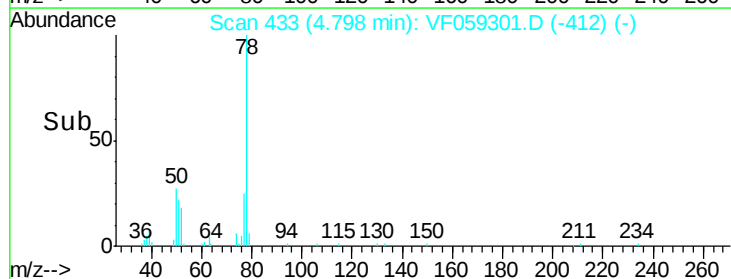
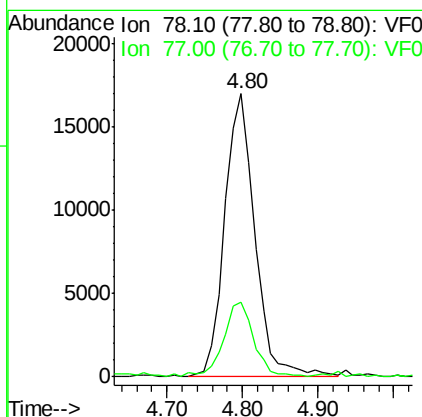
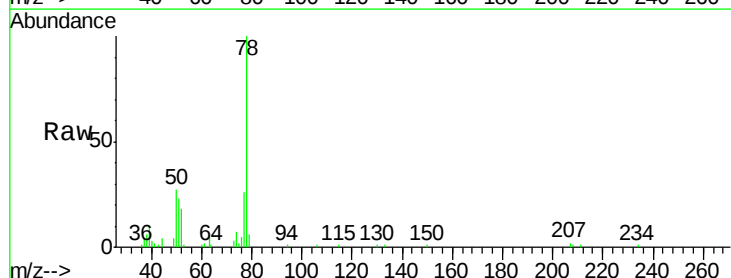
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#40
Benzene
Concen: 5.00 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	78	Resp	47127
Ion Ratio	Lower	Upper	
78	100		
77	26.4	19.6	29.4





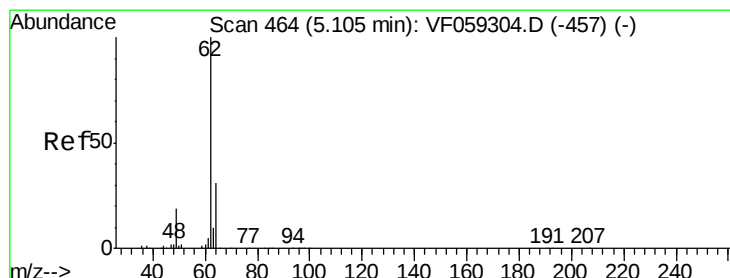
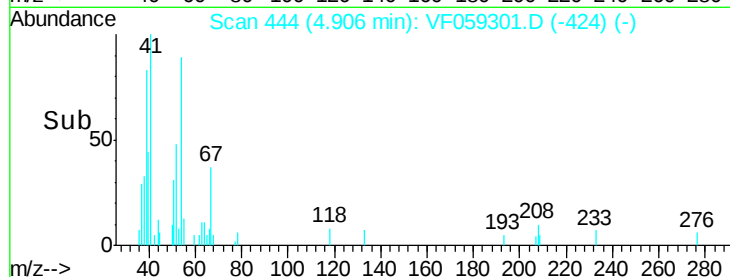
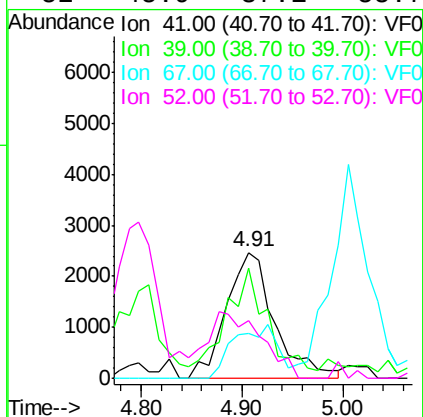
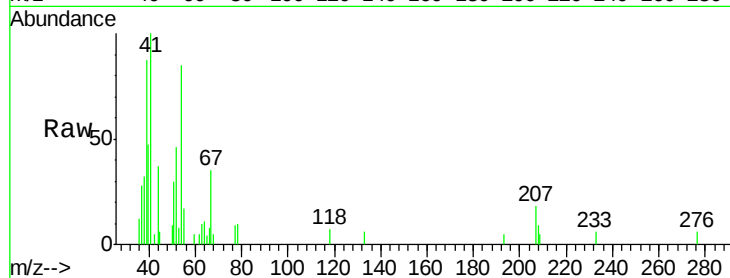
#41
Methacrylonitrile
Concen: 5.96 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
8226	41	100		
	39	87.3	50.0	75.0#
	67	35.4	37.0	55.6#
	52	45.9	37.1	55.7

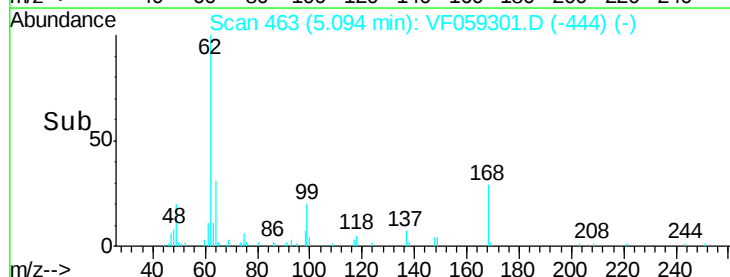
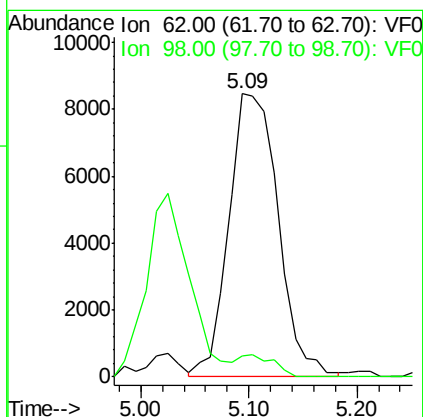
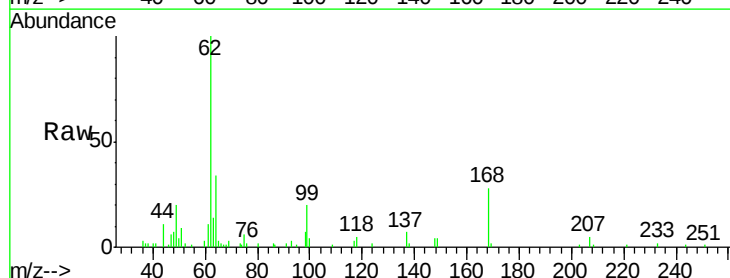
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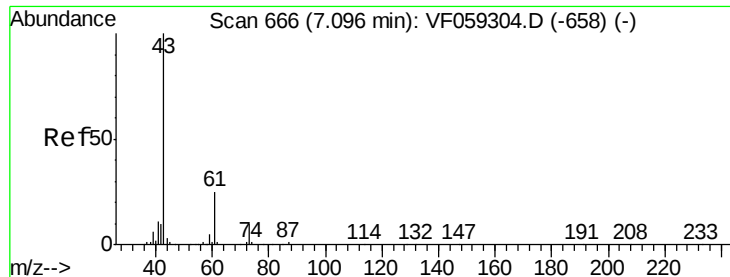
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#42
1,2-Dichloroethane
Concen: 4.96 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ion	Ratio	Lower	Upper
26830	62	100		
	98	7.2	0.0	11.4





#43

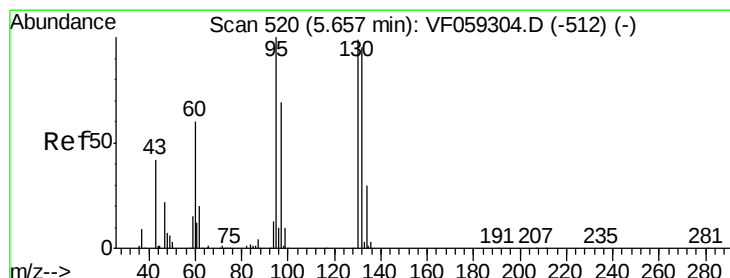
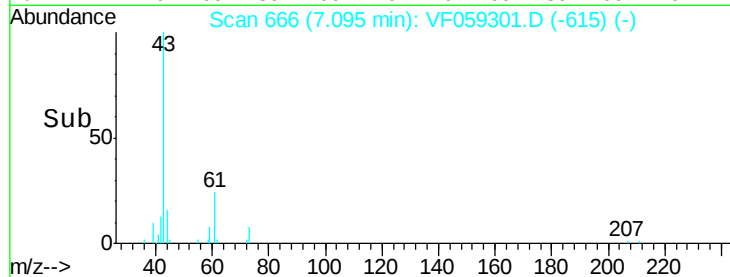
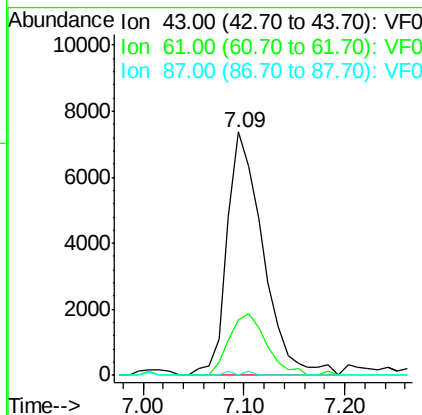
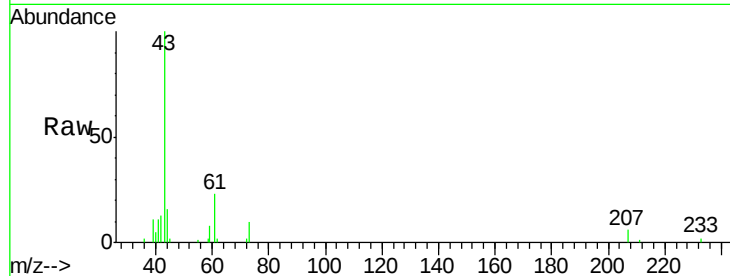
Isopropyl Acetate
 Concen: 5.24 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.9	19.7	29.5
87	0.0	0.5	0.7#

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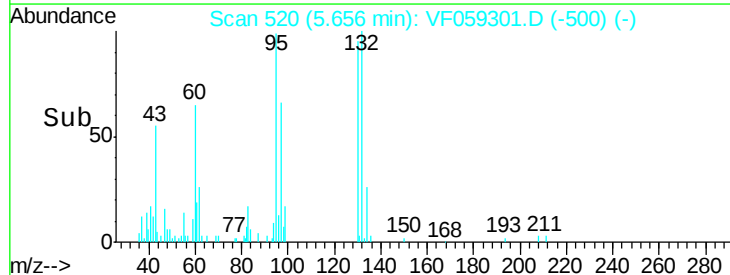
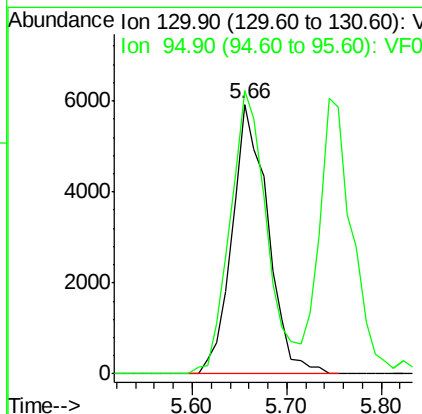
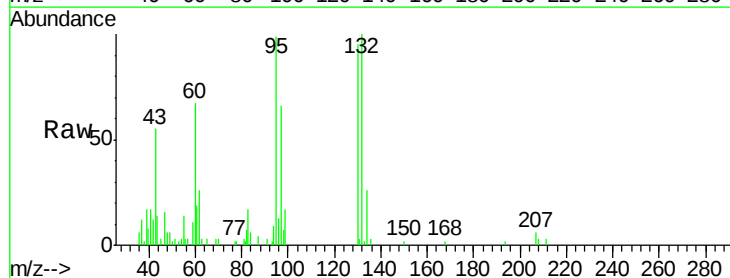
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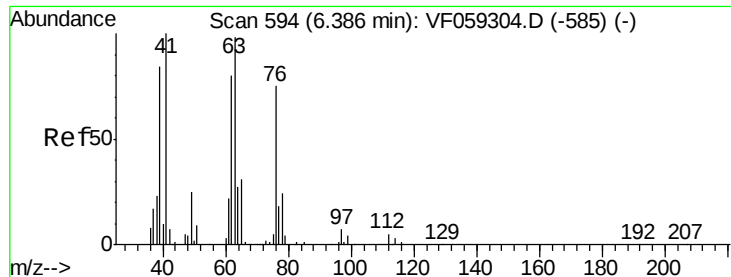


#44

Trichloroethene
 Concen: 4.79 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	202.4





#45

1,2-Dichloropropane

Concen: 4.92 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13442

Ion Ratio Lower Upper

63 100

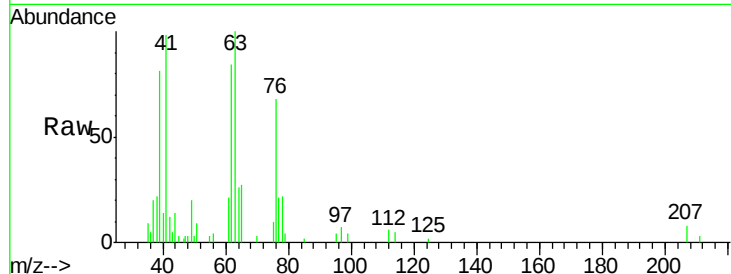
65 27.4 25.3 37.9

Manual Integrations

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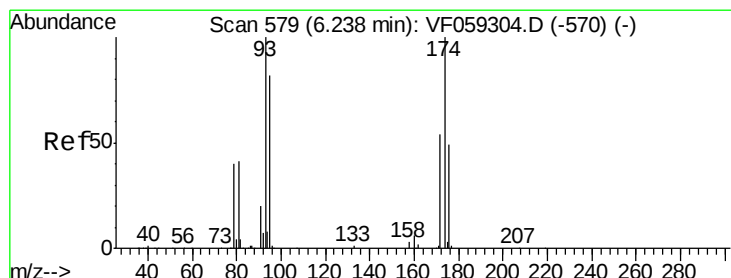
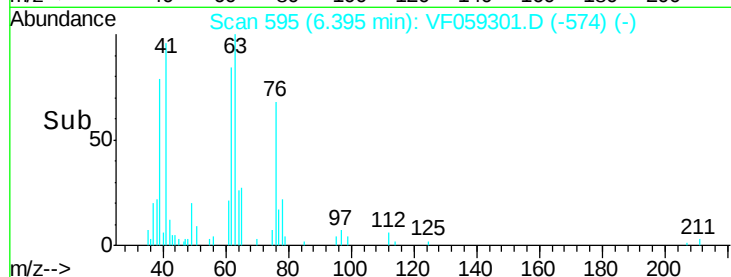
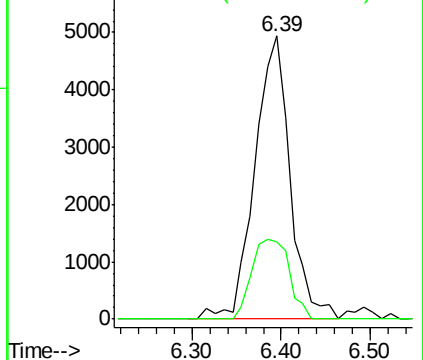
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 4.54 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

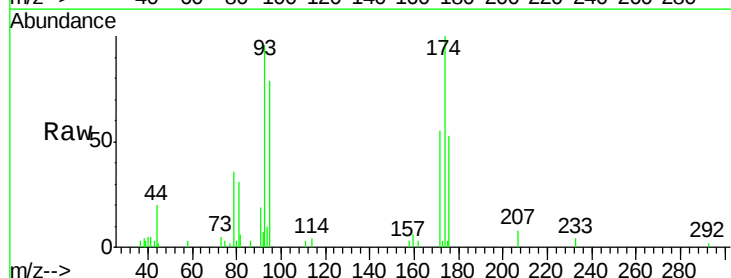
Tgt Ion: 93 Resp: 10659

Ion Ratio Lower Upper

93 100

95 81.9 65.6 98.4

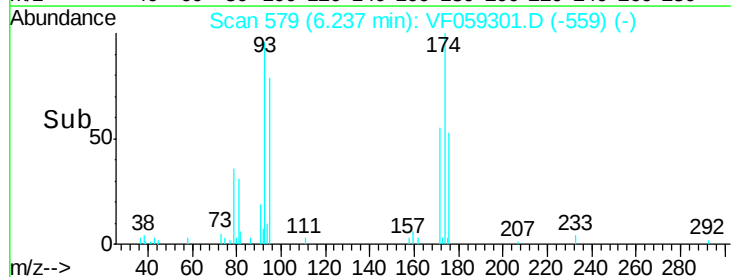
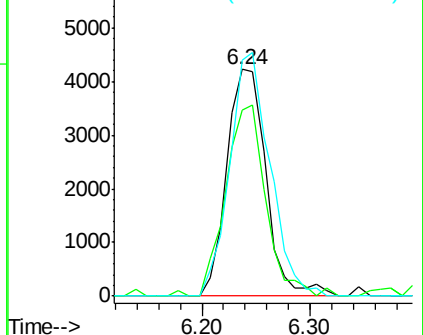
174 104.2 80.0 120.0

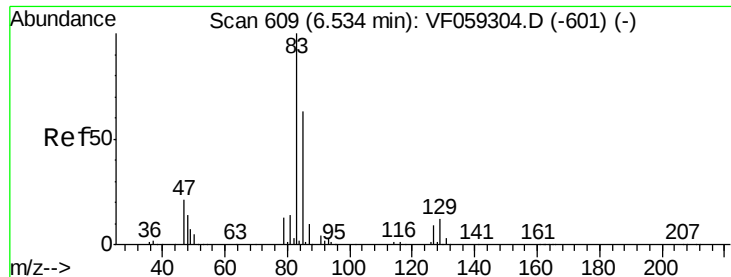


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 4.77 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

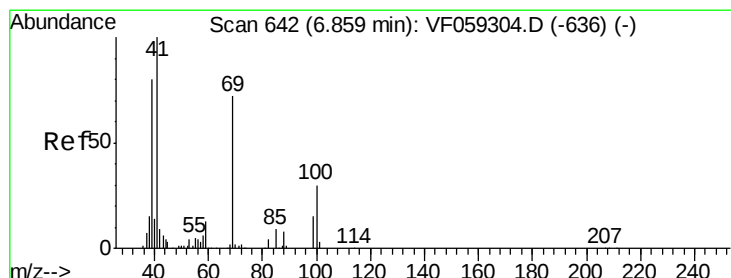
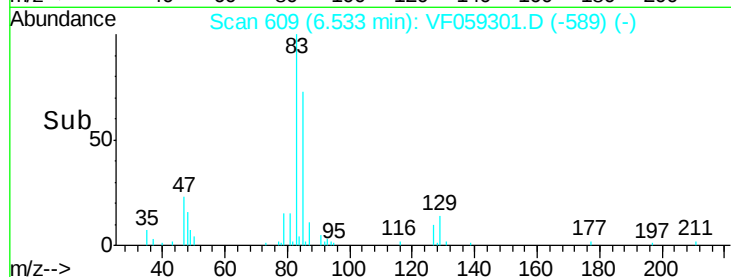
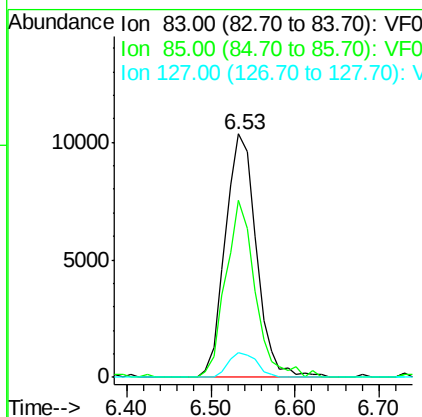
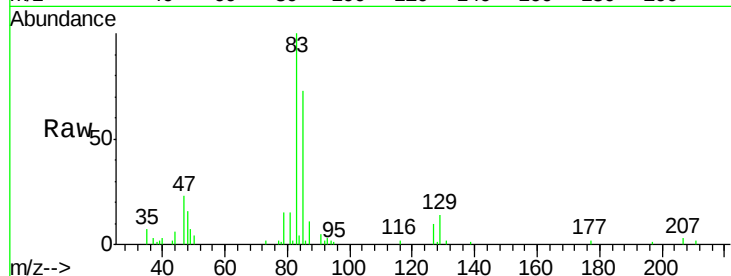
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	26686
Ion	Ratio	Lower	Upper
83	100		
85	72.6	50.2	75.2
127	10.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.18 ug/l

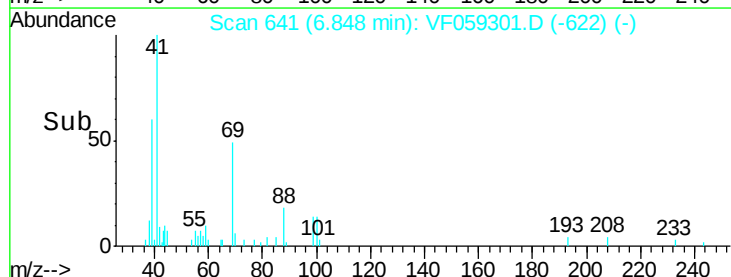
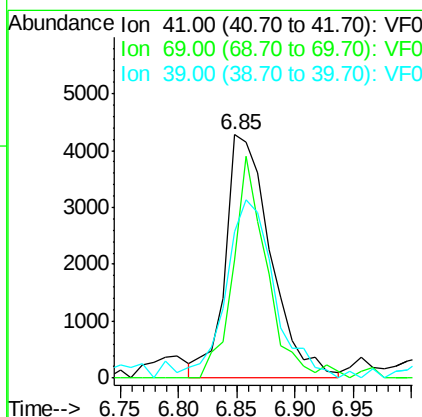
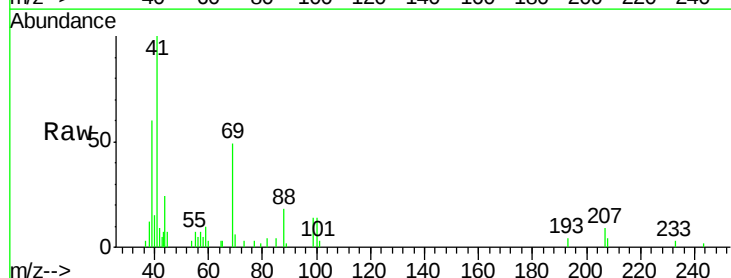
RT: 6.85 min Scan# 641

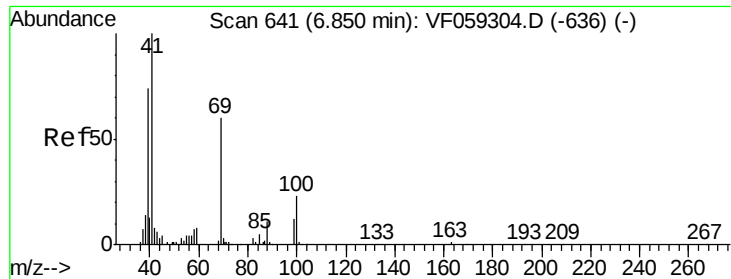
Delta R.T. -0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	41	Resp:	11551
Ion	Ratio	Lower	Upper
41	100		
69	48.5	57.3	85.9#
39	60.2	64.4	96.6#





#49

1,4-Dioxane

Concen: 159.50 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

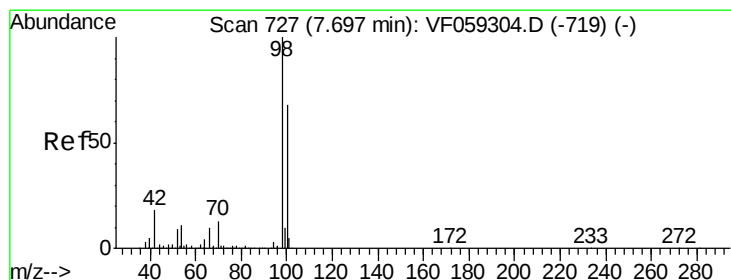
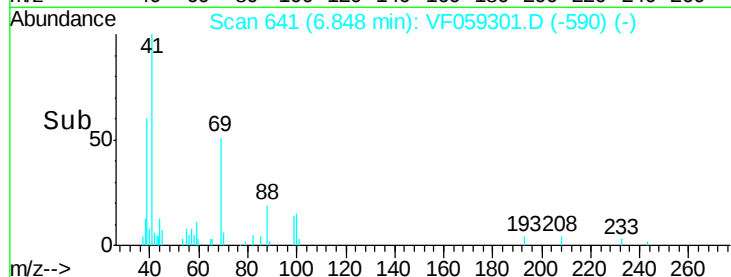
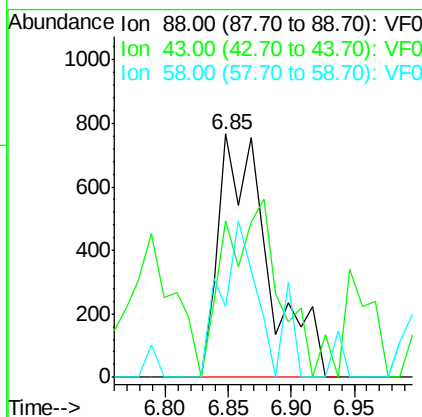
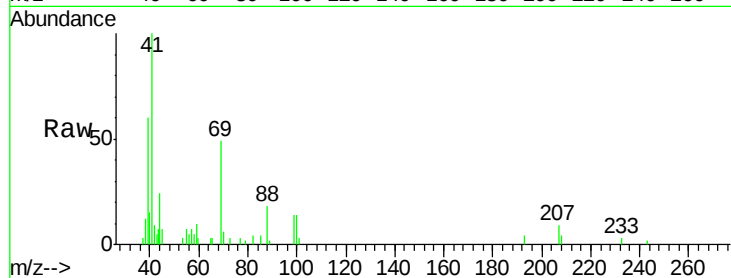
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	2086
Ion	Ratio	Lower	Upper
88	100		
43	64.1	50.6	75.8
58	28.9	46.6	69.8#

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#50

Toluene-d8

Concen: 4.88 ug/l

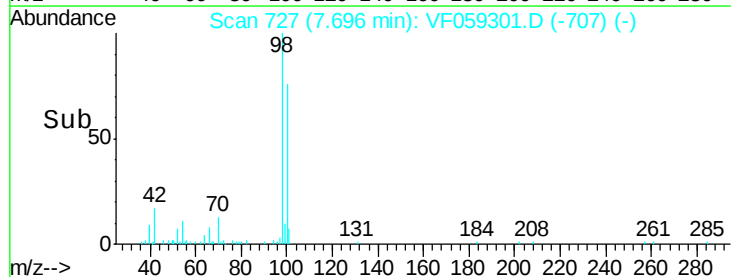
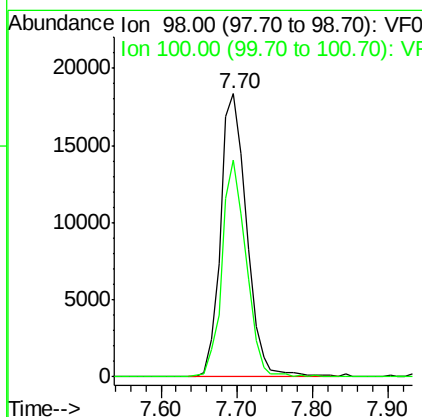
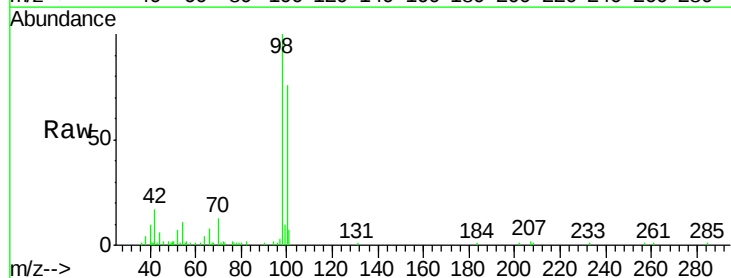
RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	98	Resp:	44173
Ion	Ratio	Lower	Upper
98	100		
100	76.5	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 29.37 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 73952

Ion Ratio Lower Upper

43 100

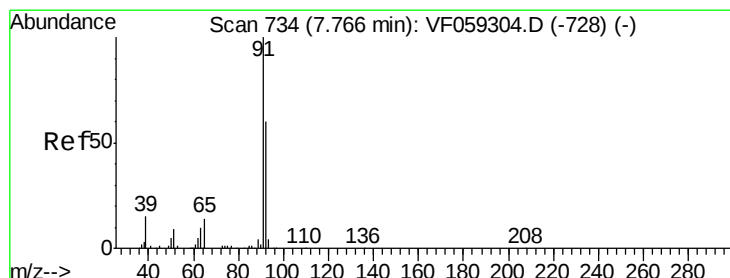
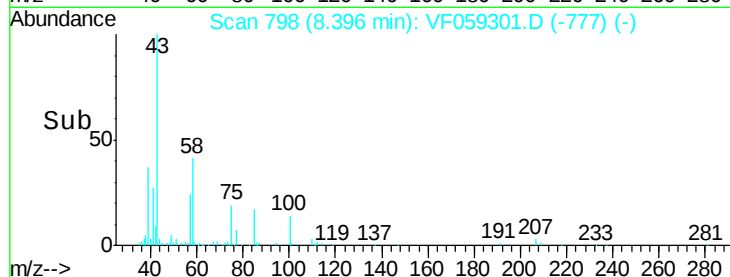
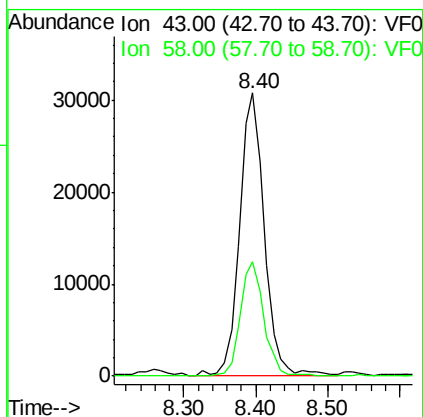
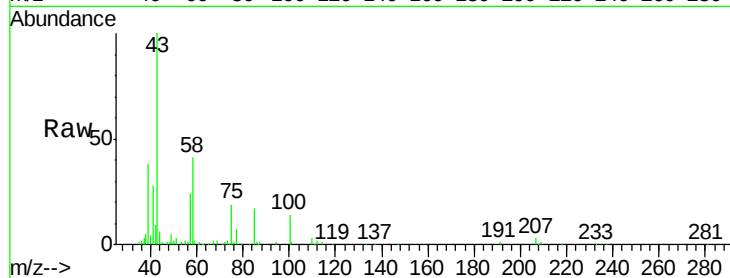
58 40.6 28.4 42.6

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#52

Toluene

Concen: 4.95 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059301.D

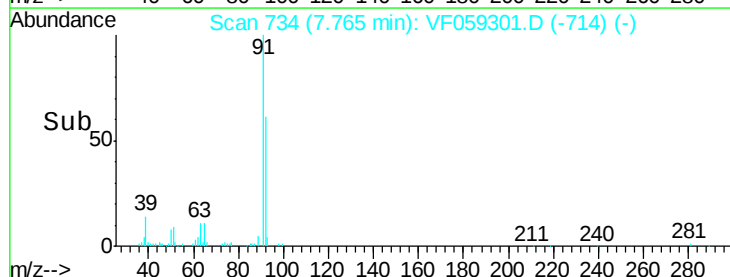
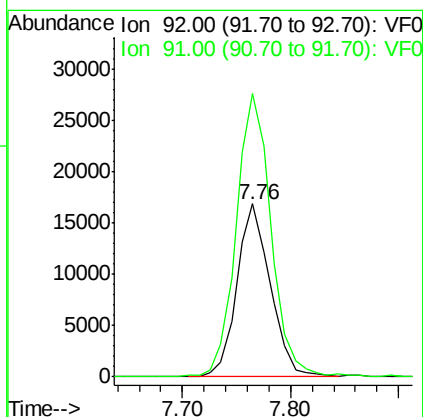
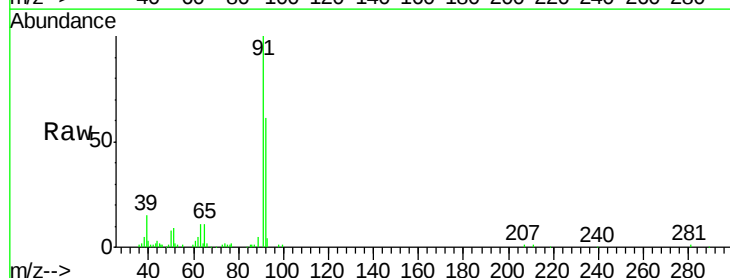
Acq: 25 Jun 2018 14:50

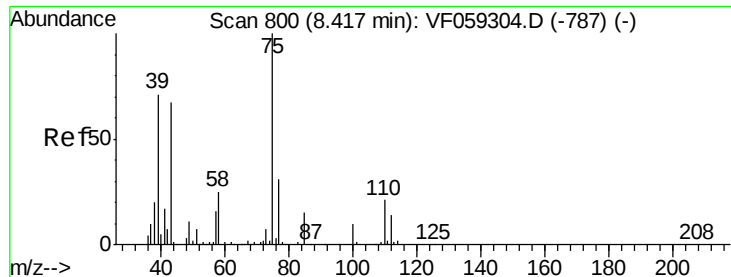
Tgt Ion: 92 Resp: 36098

Ion Ratio Lower Upper

92 100

91 163.5 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 4.84 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 25303

Ion Ratio Lower Upper

75 100

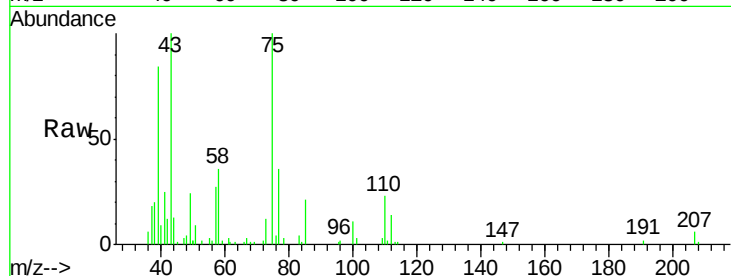
77 35.9 25.3 37.9

Manual Integrations

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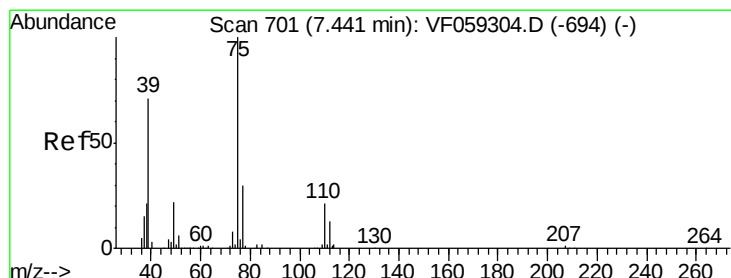
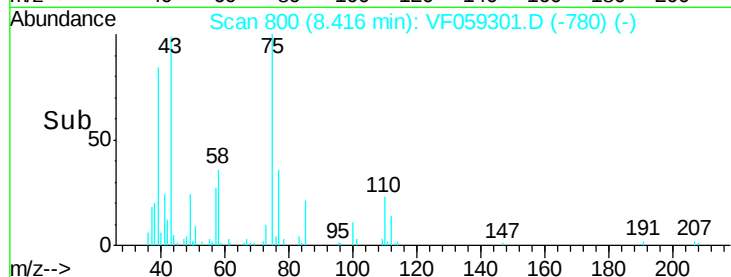
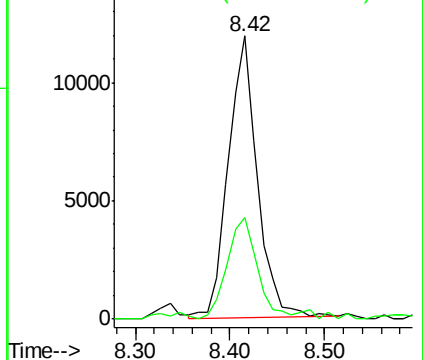
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 4.78 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

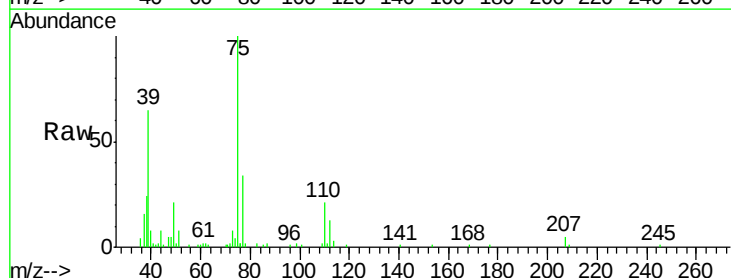
Tgt Ion: 75 Resp: 26542

Ion Ratio Lower Upper

75 100

77 34.0 24.3 36.5

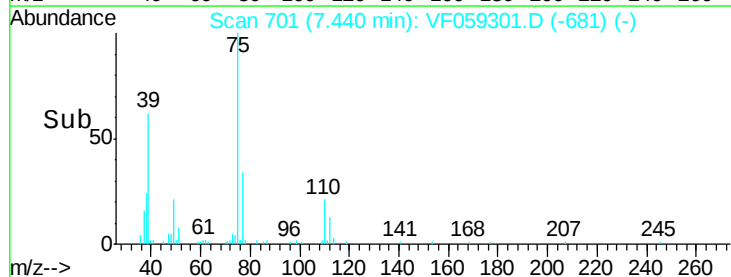
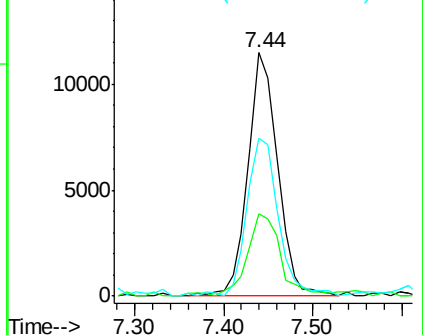
39 64.7 57.2 85.8

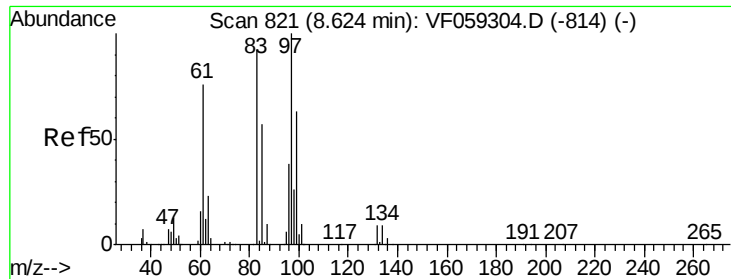


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.46 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

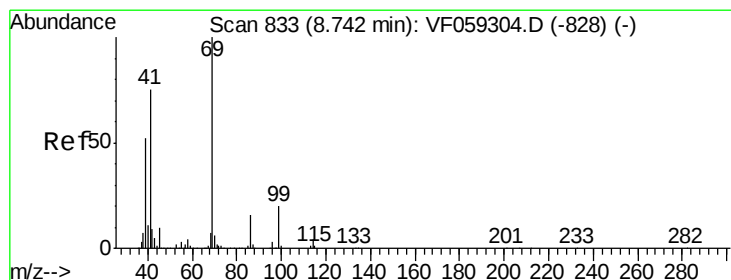
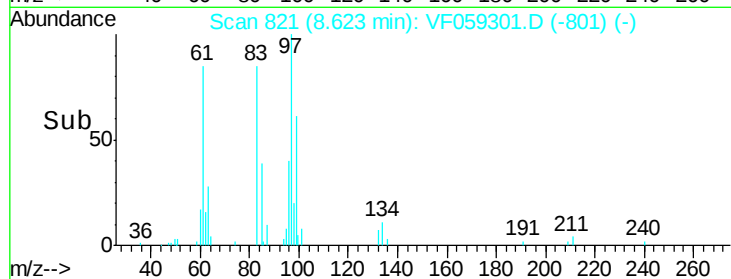
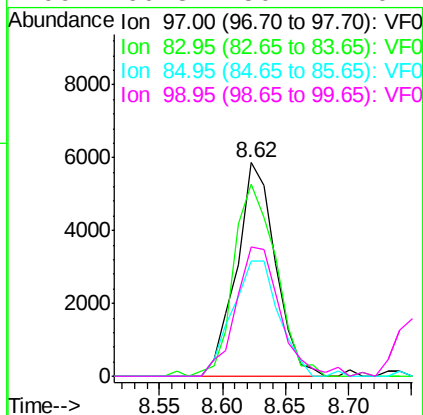
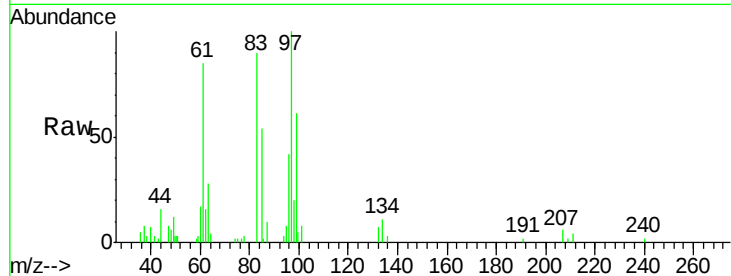
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	12559
Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.8	110.8
85	54.2	45.5	68.3
99	60.8	50.7	76.1

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#56

Ethyl methacrylate

Concen: 5.11 ug/l

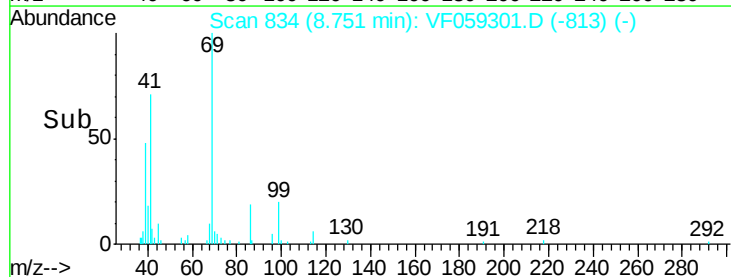
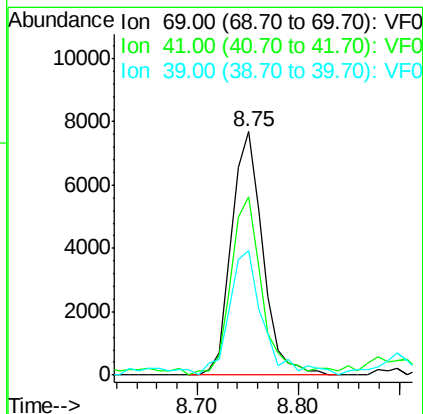
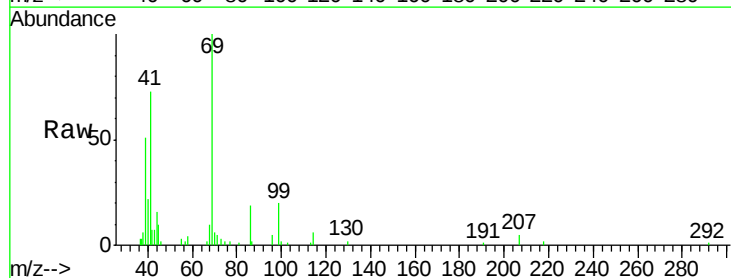
RT: 8.75 min Scan# 834

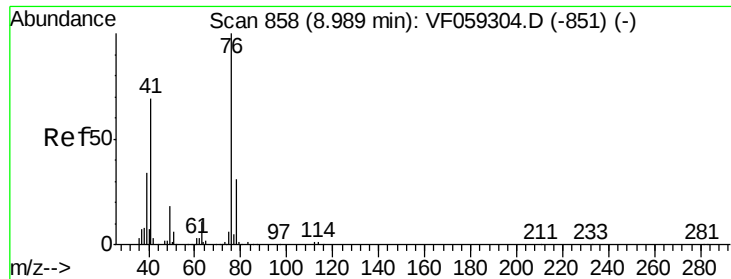
Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	69	Resp:	16556
Ion	Ratio	Lower	Upper
69	100		
41	73.3	60.3	90.5
39	51.0	42.2	63.4





#57

1,3-Dichloropropane

Concen: 4.95 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 23073

Ion Ratio Lower Upper

76 100

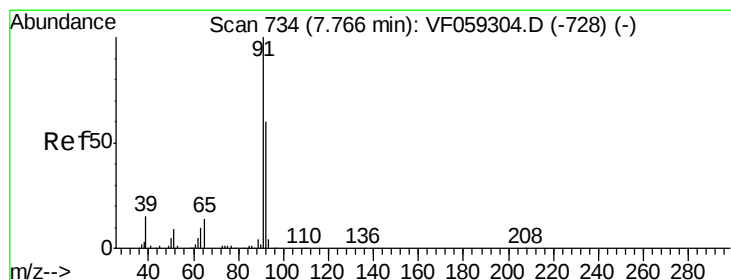
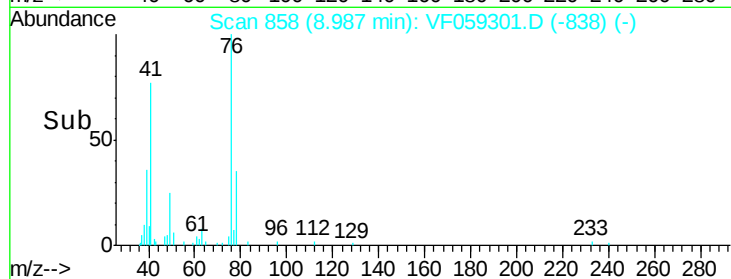
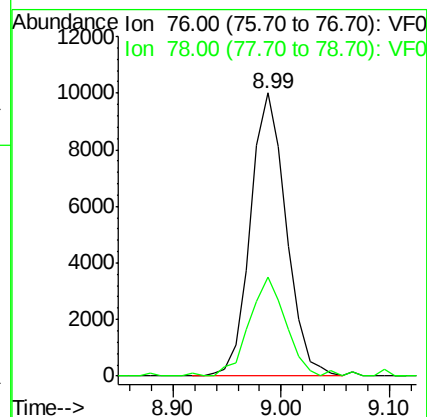
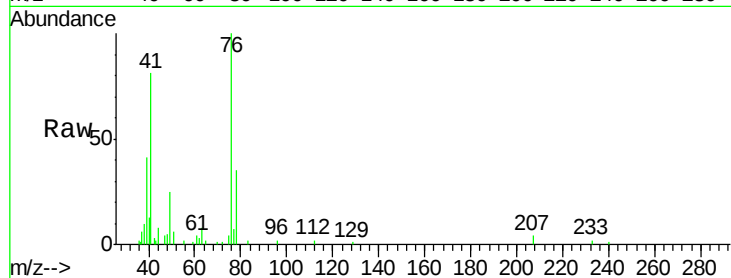
78 35.1 24.9 37.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 24.51 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059301.D

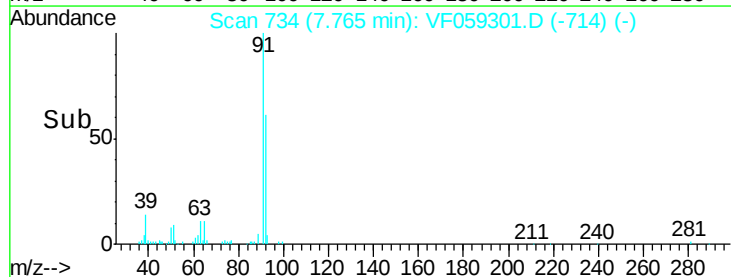
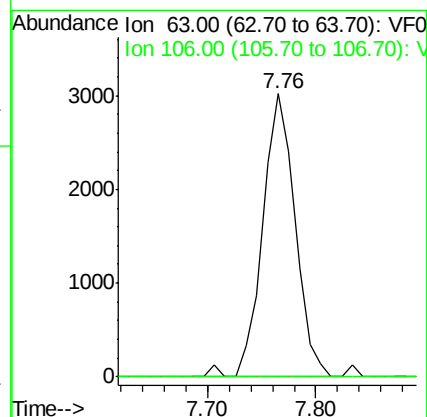
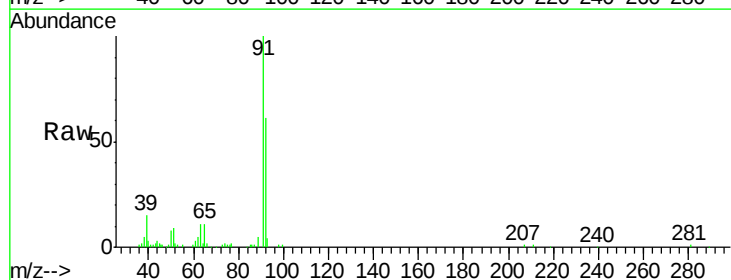
Acq: 25 Jun 2018 14:50

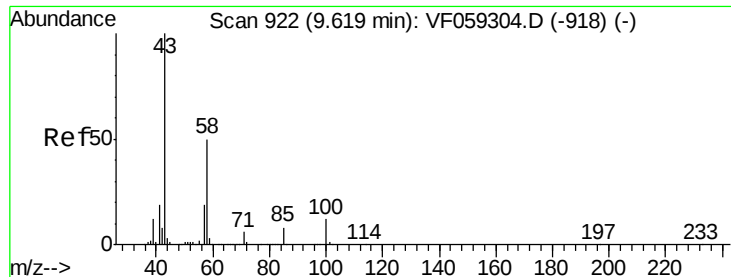
Tgt Ion: 63 Resp: 6307

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





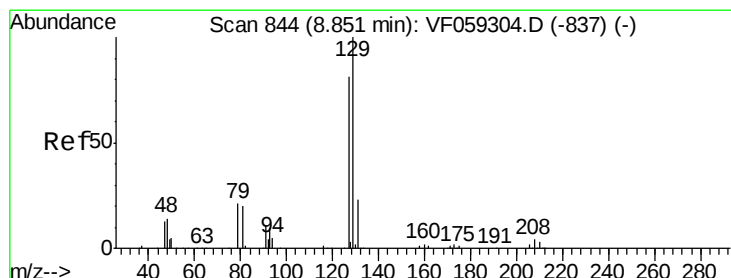
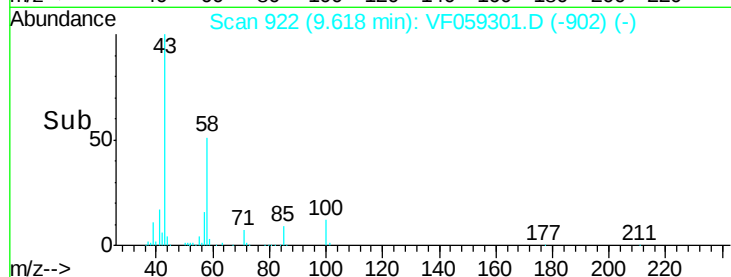
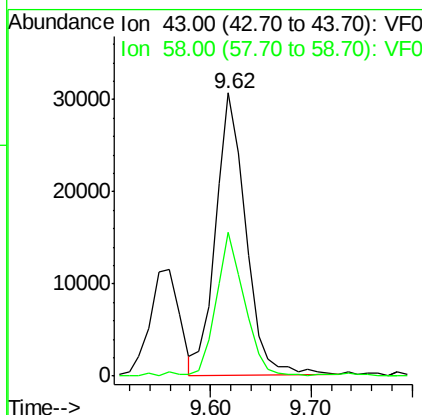
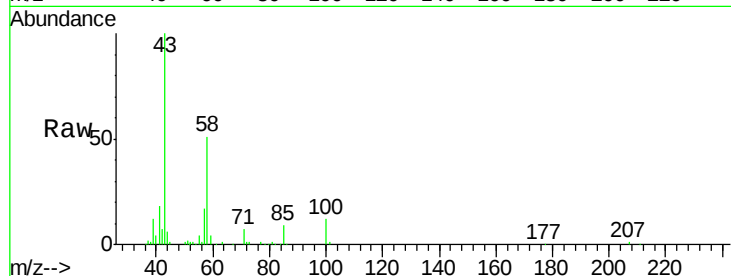
#59
2-Hexanone
Concen: 31.42 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 63272
Ion Ratio Lower Upper
43 100
58 51.0 23.3 69.9

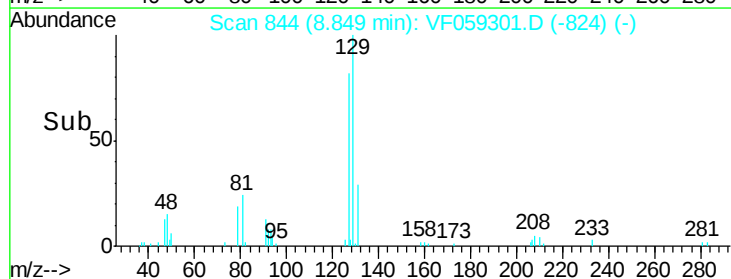
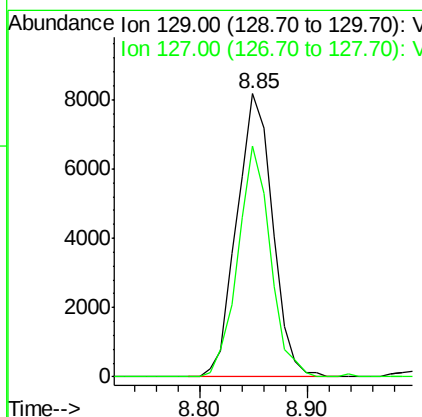
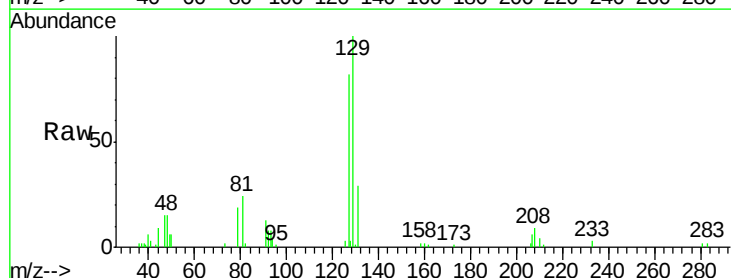
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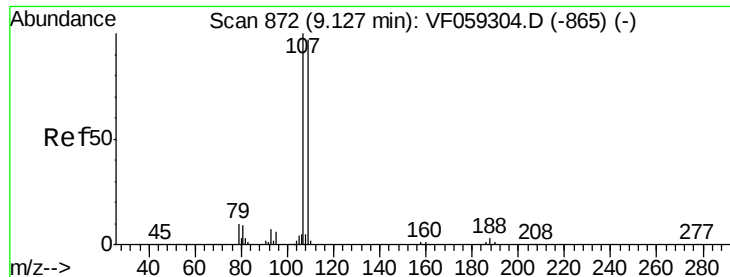
apatel
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#60
Dibromochloromethane
Concen: 4.52 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion: 129 Resp: 18850
Ion Ratio Lower Upper
129 100
127 84.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 4.96 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 16236

Ion Ratio Lower Upper

107 100

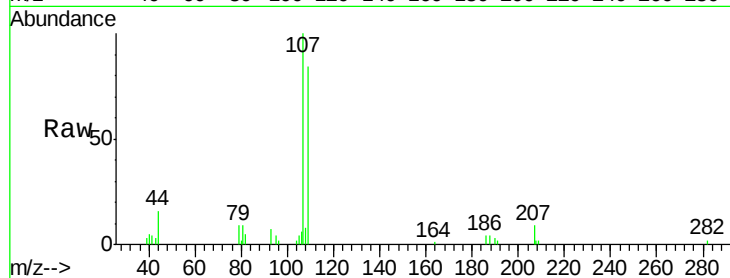
109 84.3 77.3 115.9

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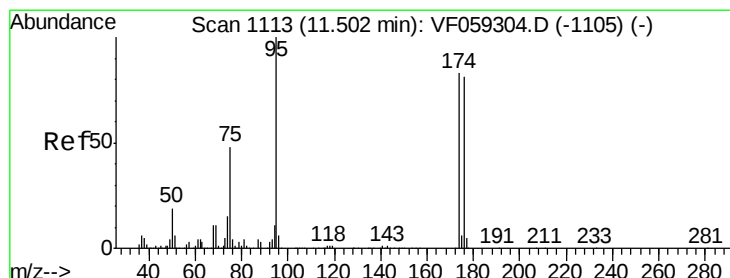
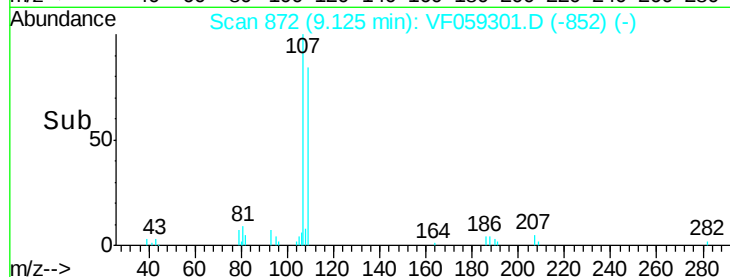
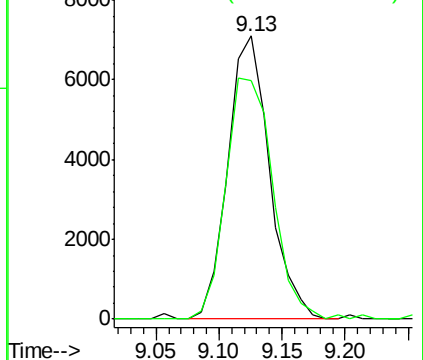
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.24 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

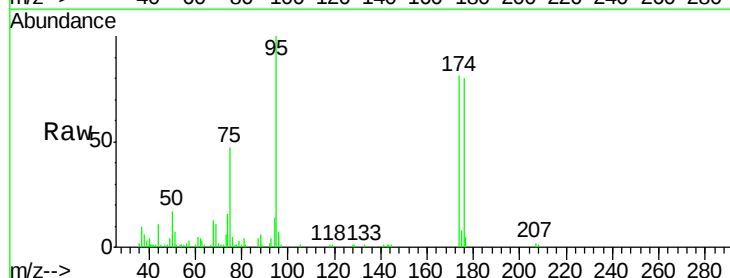
Tgt Ion: 95 Resp: 26271

Ion Ratio Lower Upper

95 100

174 81.2 0.0 165.2

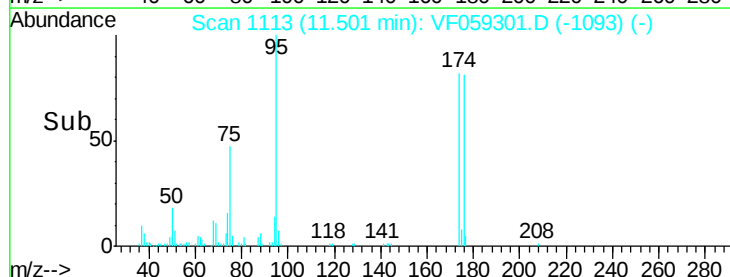
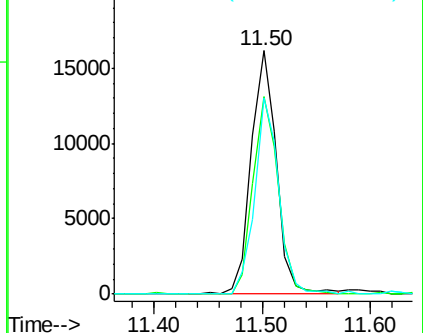
176 80.4 0.0 161.0

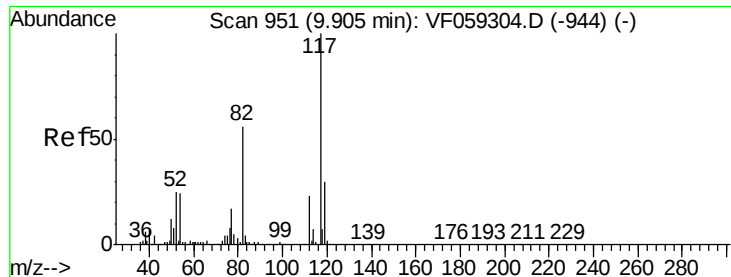


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





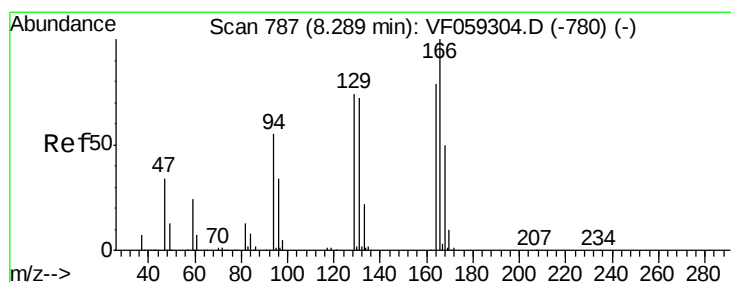
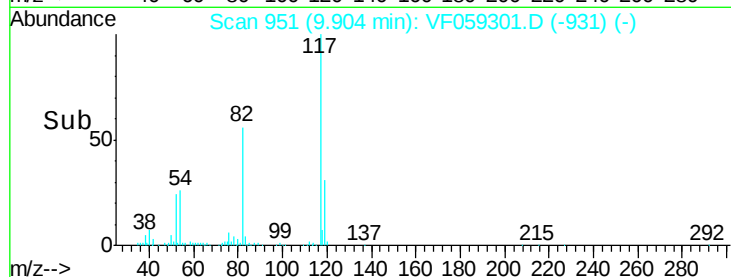
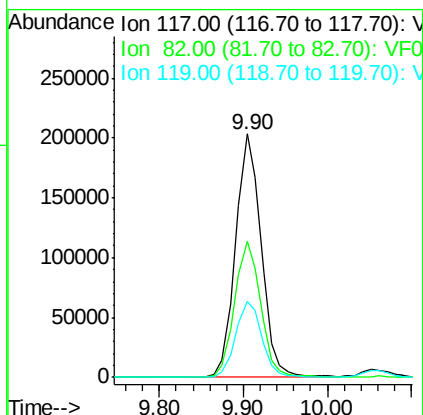
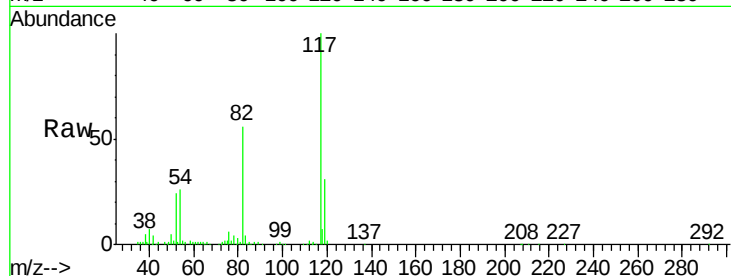
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	24.1	36.1

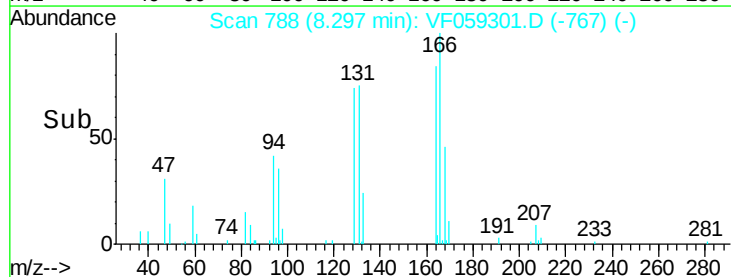
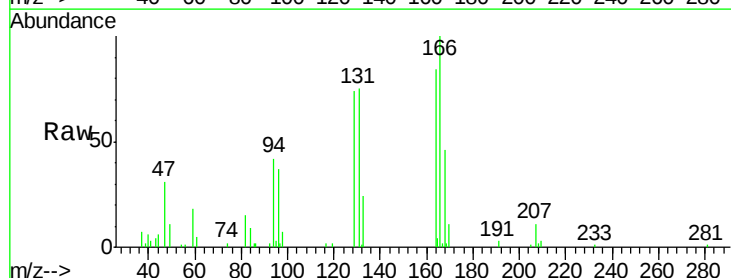
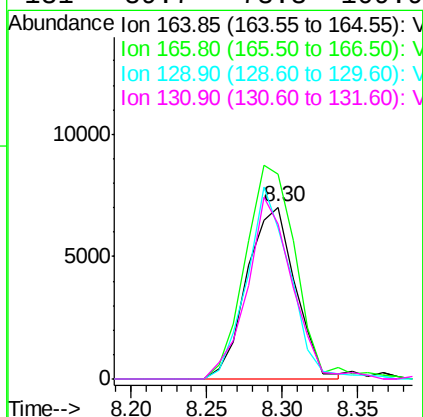
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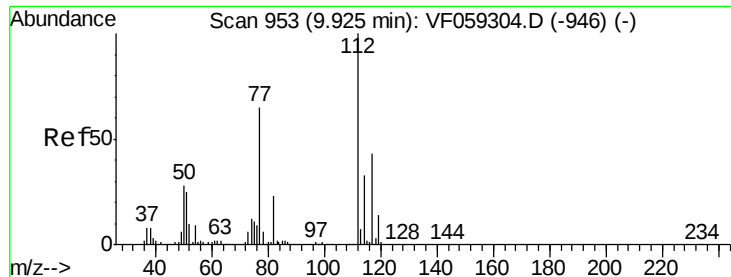
apatel
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#64
Tetrachloroethene
Concen: 4.88 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.8	101.1	151.7
129	88.1	75.0	112.4
131	89.7	73.3	109.9





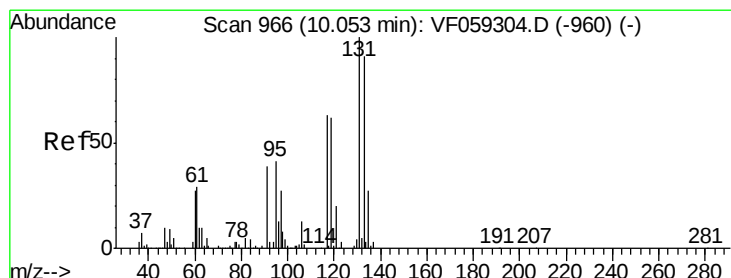
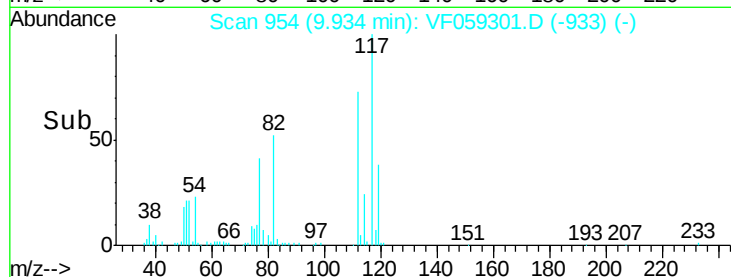
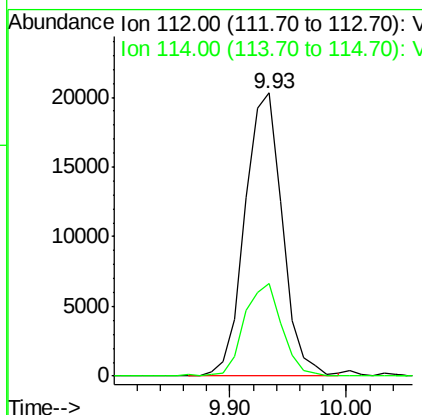
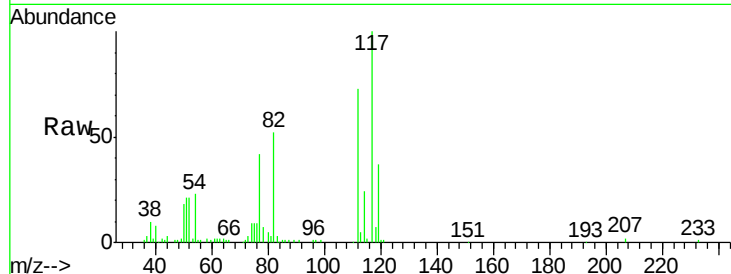
#65
Chlorobenzene
Concen: 5.07 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.5	39.7

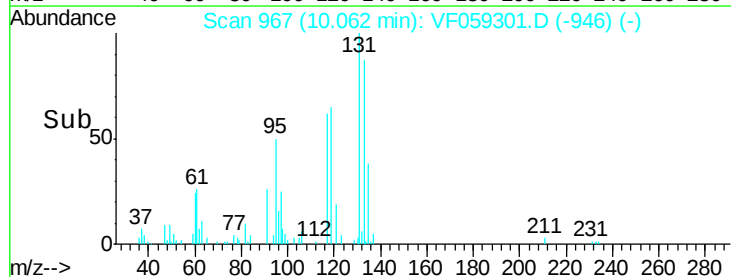
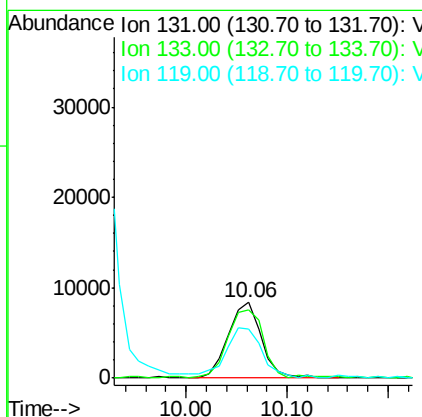
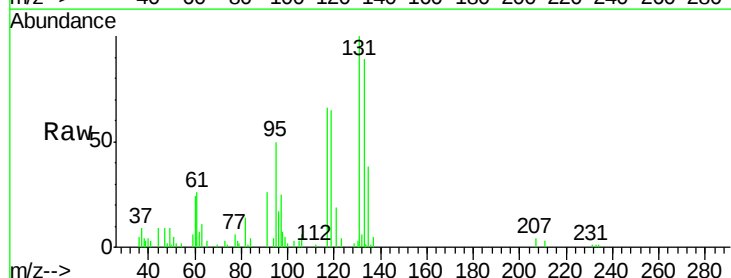
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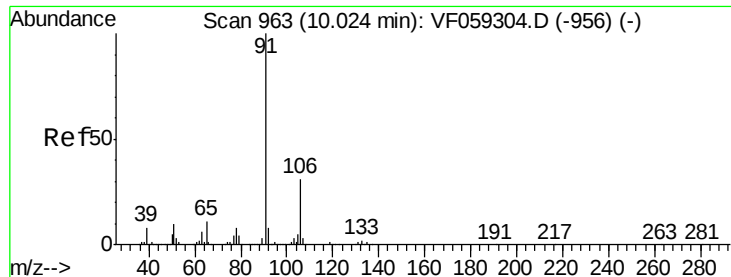
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.11 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.3	45.3	135.9
119	64.8	31.3	93.9





#67

Ethyl Benzene

Concen: 4.99 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 75589

Ion Ratio Lower Upper

91 100

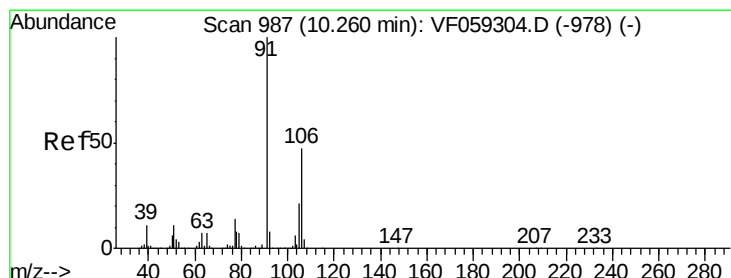
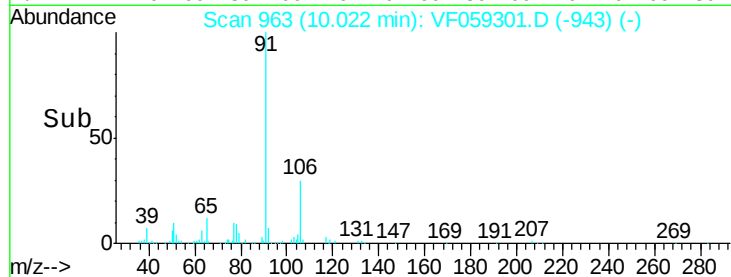
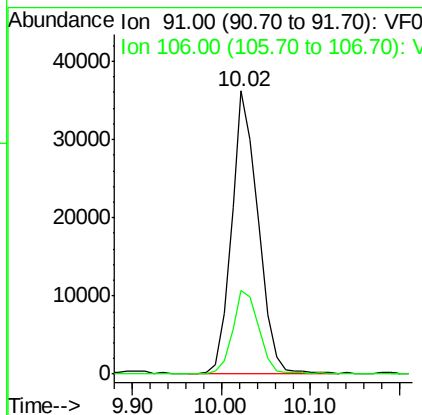
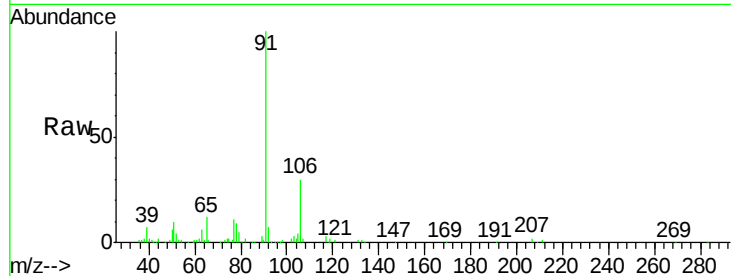
106 29.6 24.8 37.2

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#68

m/p-Xylenes

Concen: 10.28 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059301.D

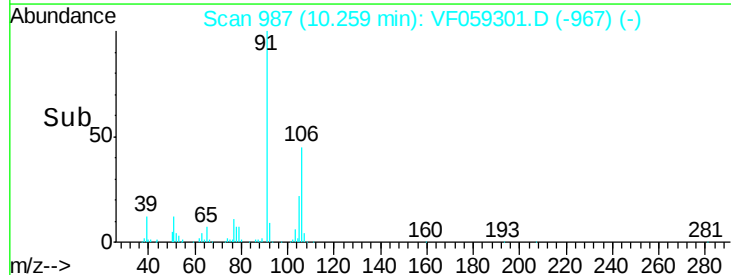
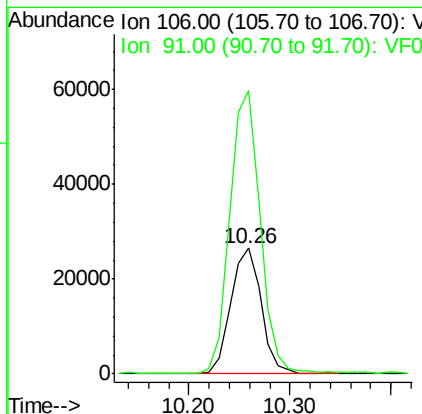
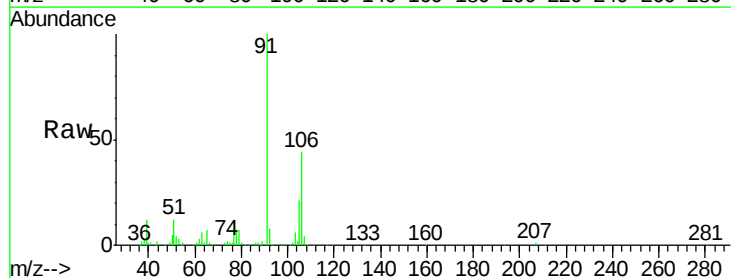
Acq: 25 Jun 2018 14:50

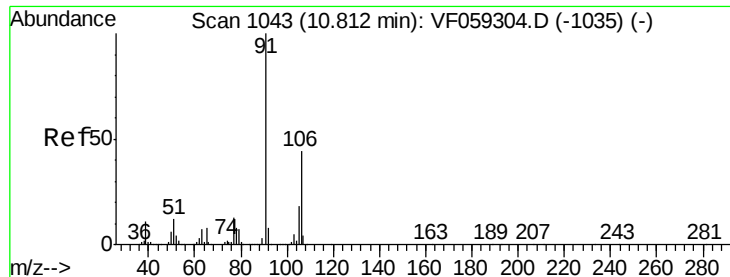
Tgt Ion: 106 Resp: 55676

Ion Ratio Lower Upper

106 100

91 225.3 170.8 256.2





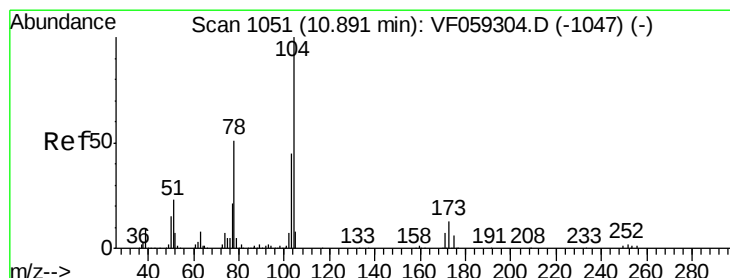
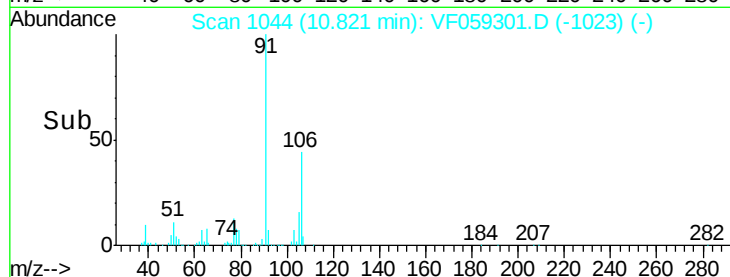
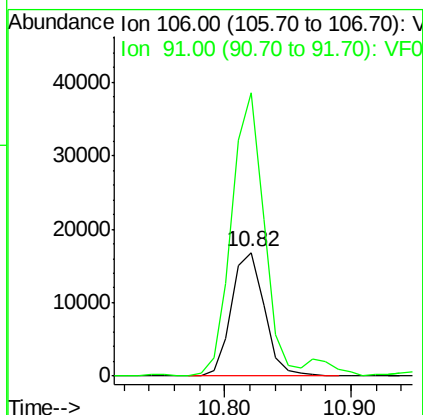
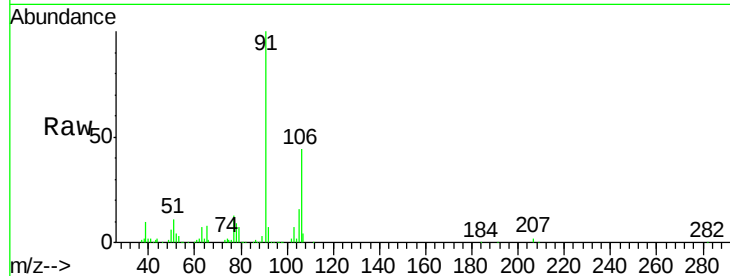
#69
o-Xylene
Concen: 5.06 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 30380
Ion Ratio Lower Upper
106 100
91 229.1 114.6 343.6

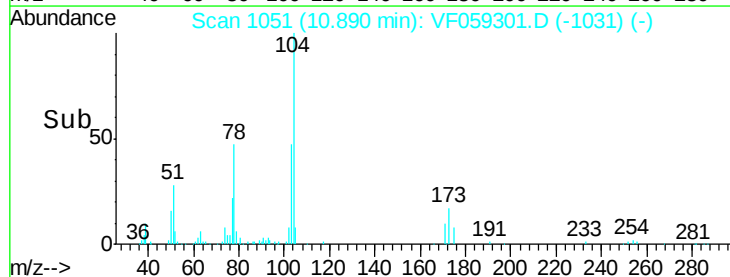
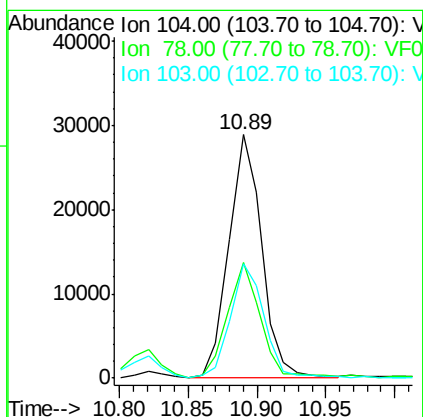
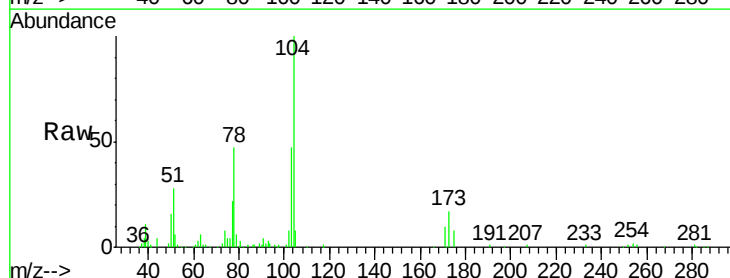
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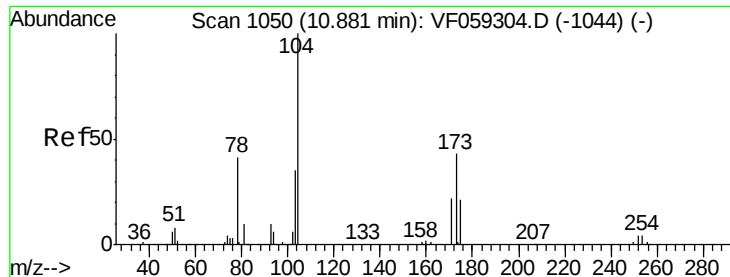
apatel
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#70
Styrene
Concen: 5.31 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion:104 Resp: 48365
Ion Ratio Lower Upper
104 100
78 47.3 40.9 61.3
103 46.9 36.5 54.7





#71

Bromoform

Concen: 4.64 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

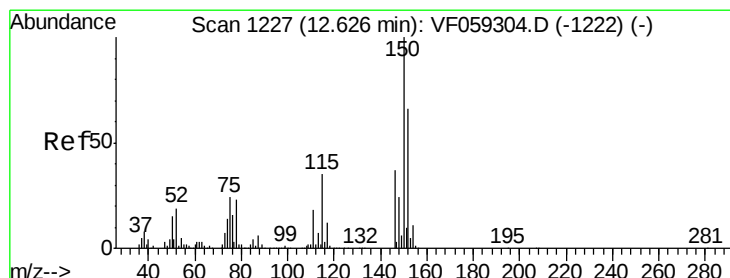
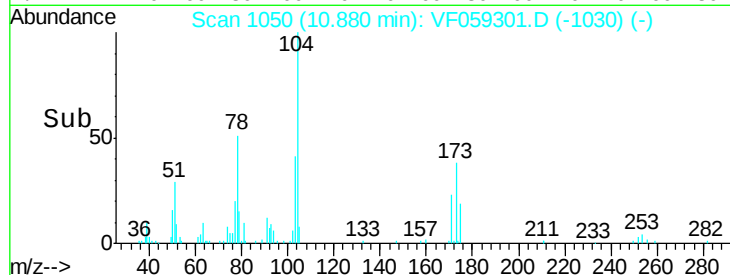
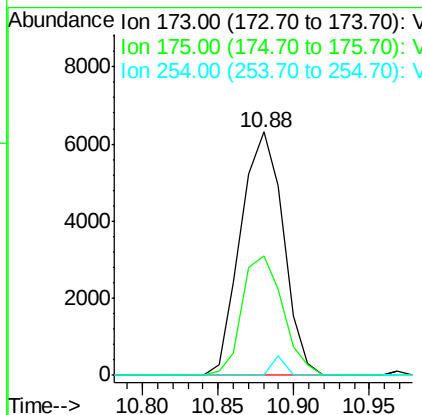
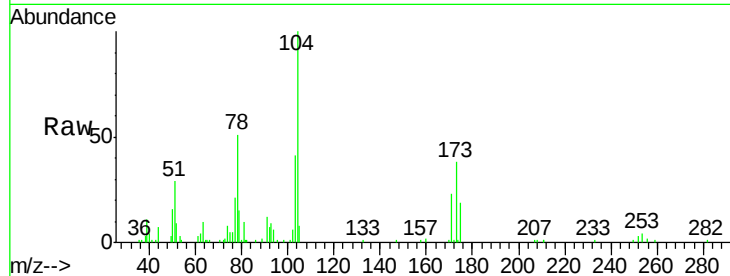
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	12422
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

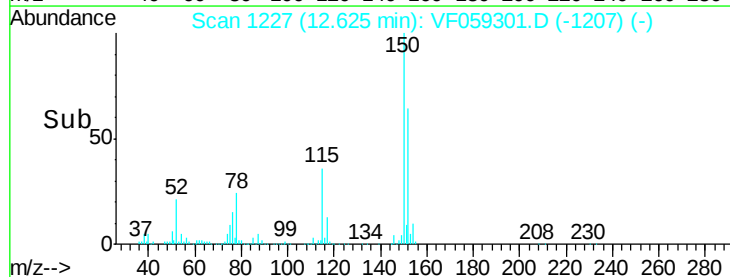
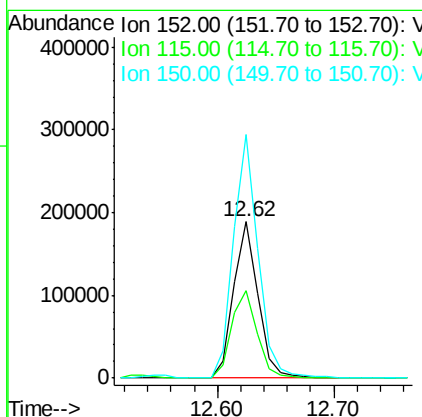
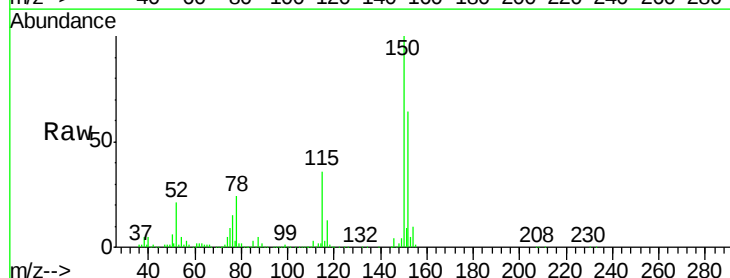
RT: 12.62 min Scan# 1227

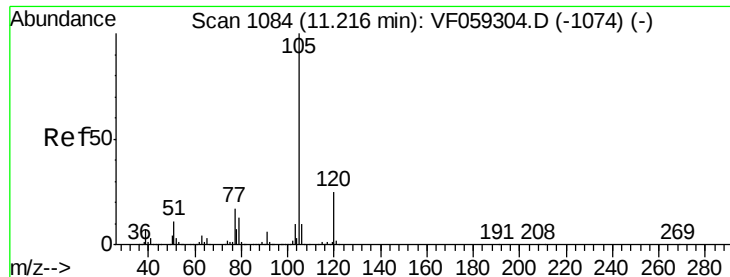
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	152	Resp:	276274
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.1	81.3
150	156.1	0.0	305.2





#73

Isopropylbenzene

Concen: 4.75 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 87508

Ion Ratio Lower Upper

105 100

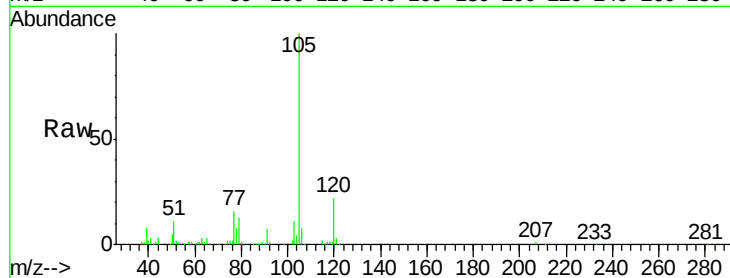
120 22.1 12.3 36.8

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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

60000

50000

40000

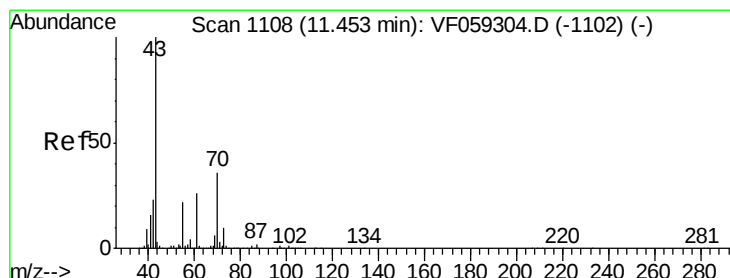
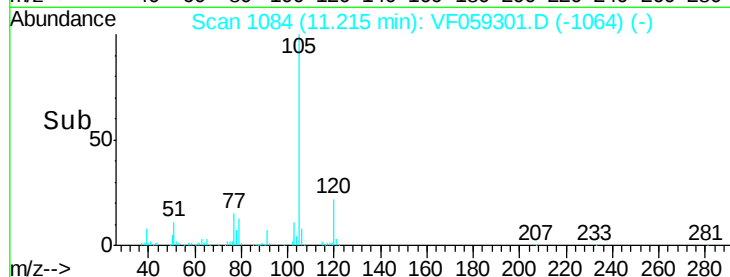
30000

20000

10000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 5.51 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion: 43 Resp: 33856

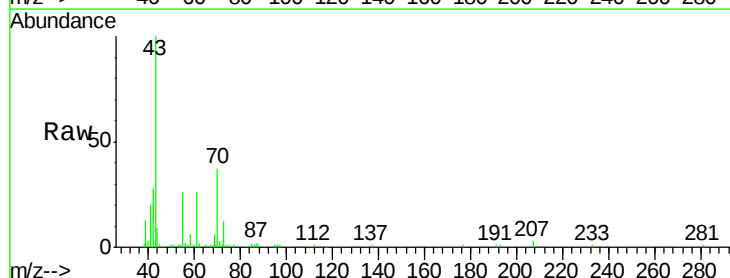
Ion Ratio Lower Upper

43 100

70 37.4 28.8 43.2

55 25.7 17.4 26.0

61 25.8 21.1 31.7



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

11.45

30000

25000

20000

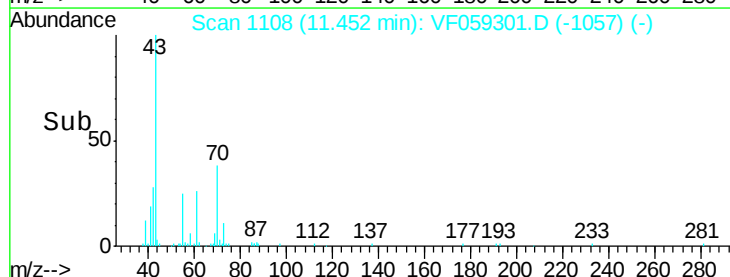
15000

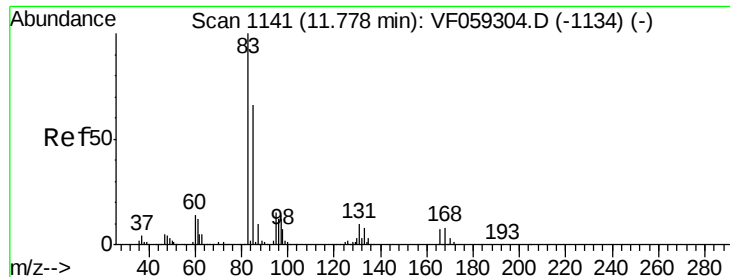
10000

5000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 5.39 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

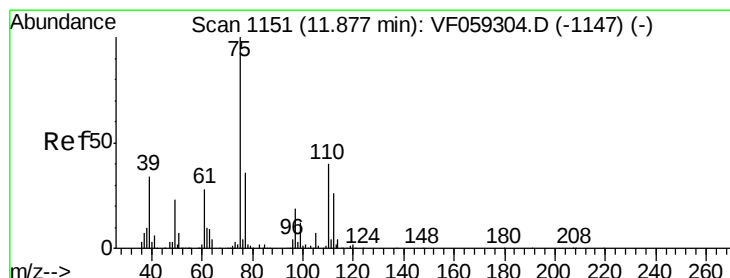
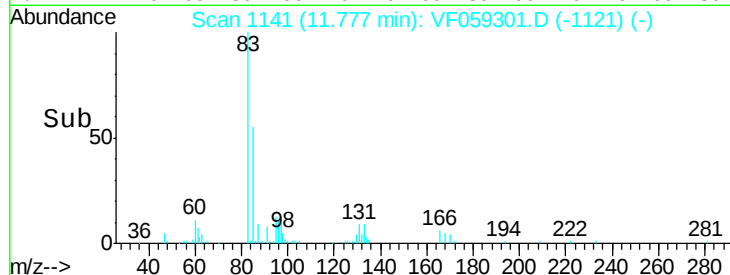
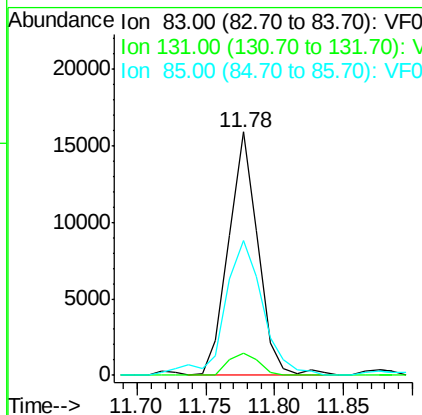
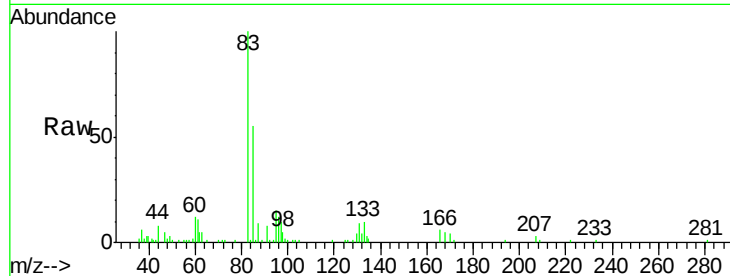
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23800
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.6
85	55.2	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 5.60 ug/l

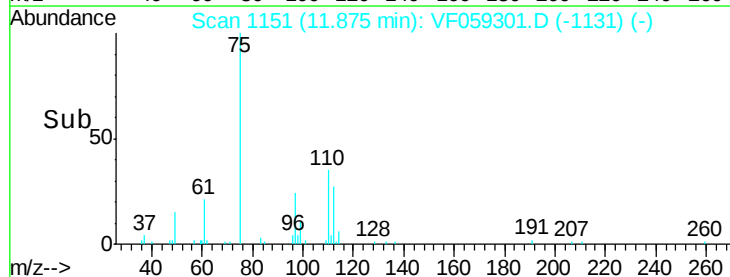
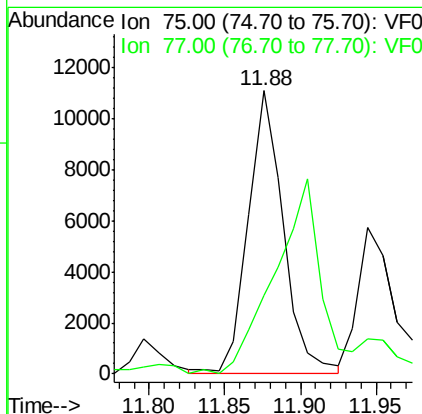
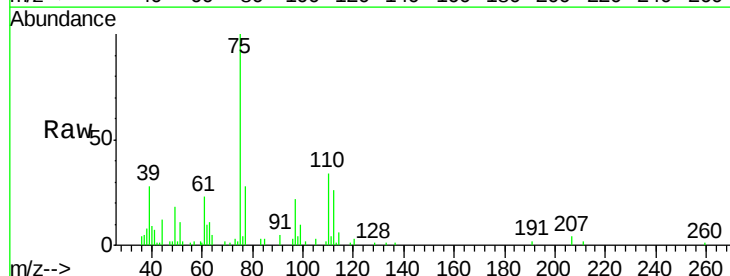
RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	75	Resp:	18050
Ion Ratio	Lower	Upper	
75	100		
77	27.7	18.0	54.0





#77

Bromobenzene

Concen: 5.08 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

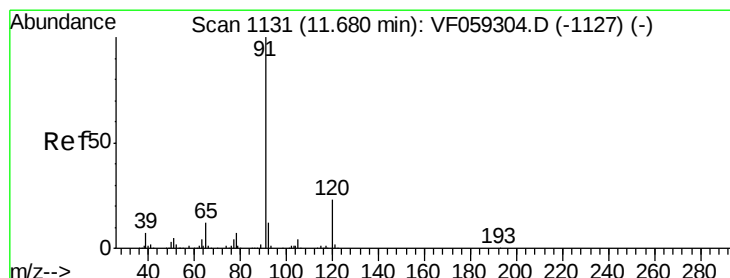
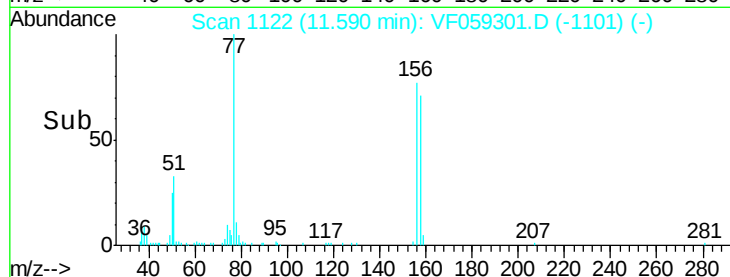
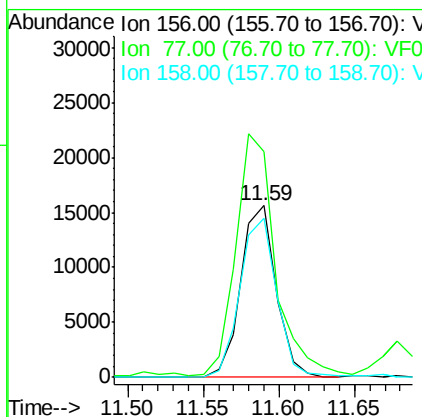
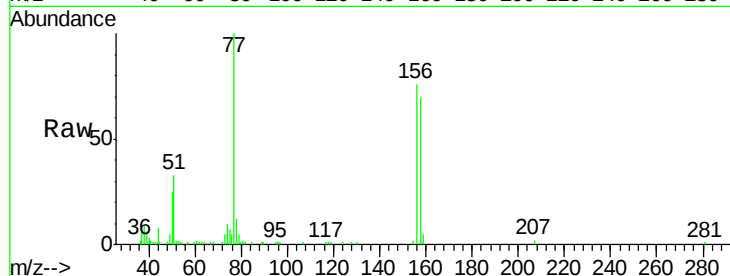
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.7	79.7	238.9
158	92.7	46.2	138.6

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#78

n-propylbenzene

Concen: 5.19 ug/l

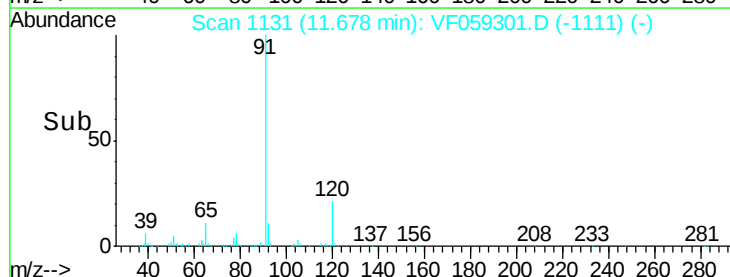
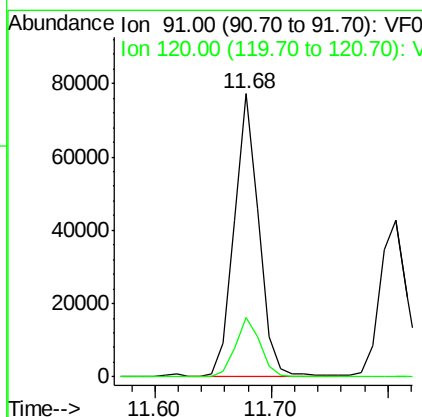
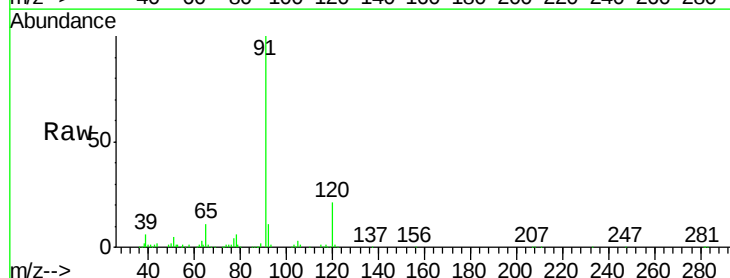
RT: 11.68 min Scan# 1131

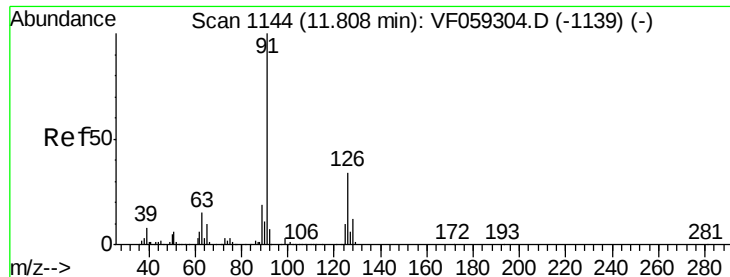
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 5.11 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 66742

Ion Ratio Lower Upper

91 100

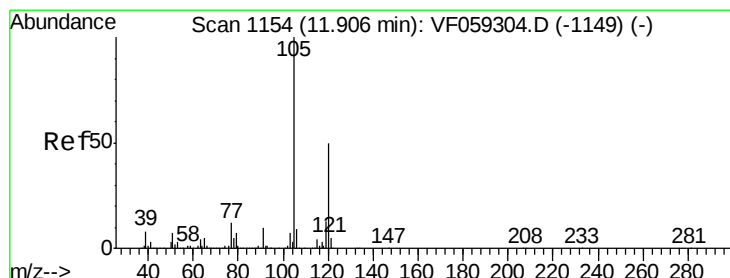
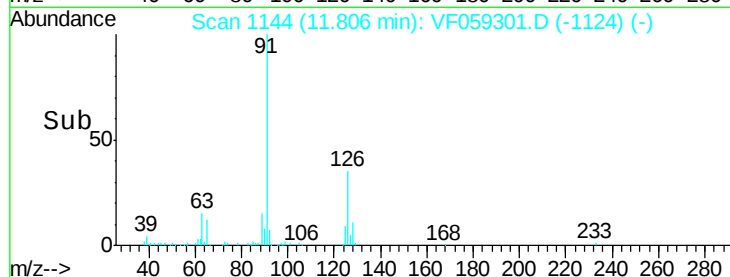
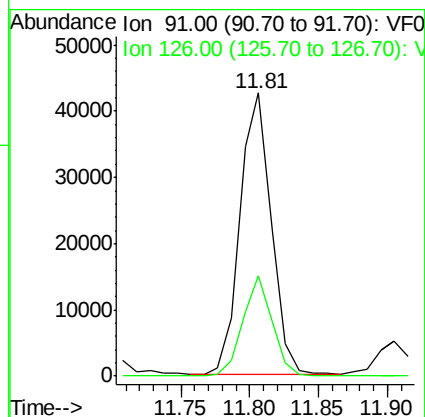
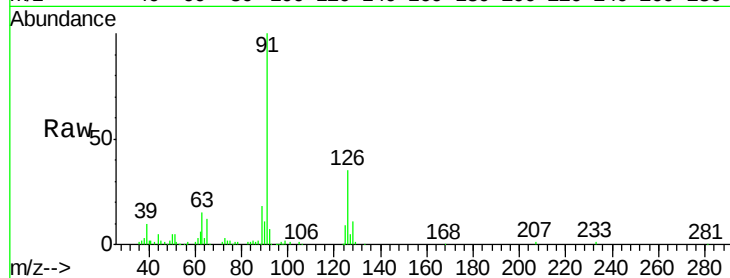
126 35.3 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 4.91 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059301.D

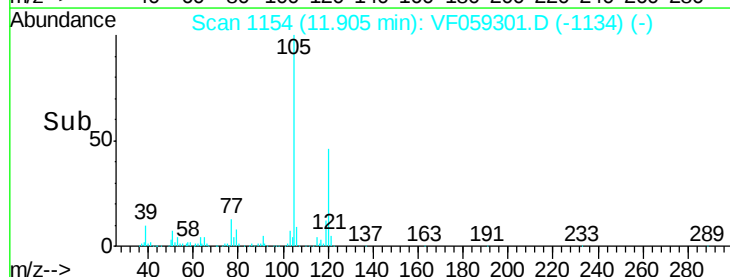
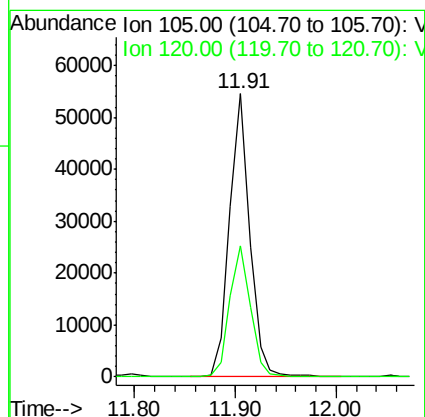
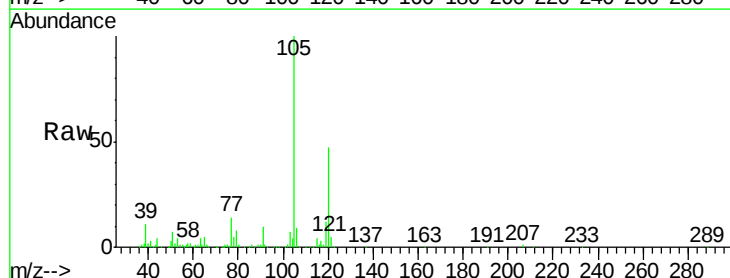
Acq: 25 Jun 2018 14:50

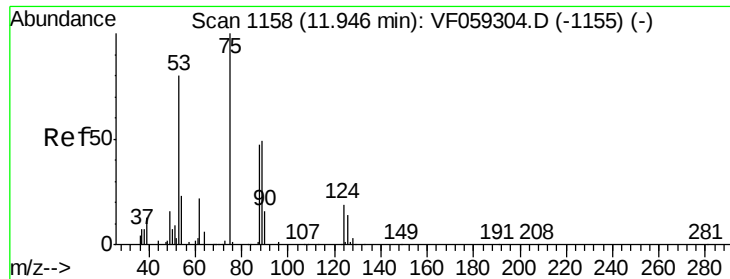
Tgt Ion:105 Resp: 76354

Ion Ratio Lower Upper

105 100

120 46.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 5.29 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

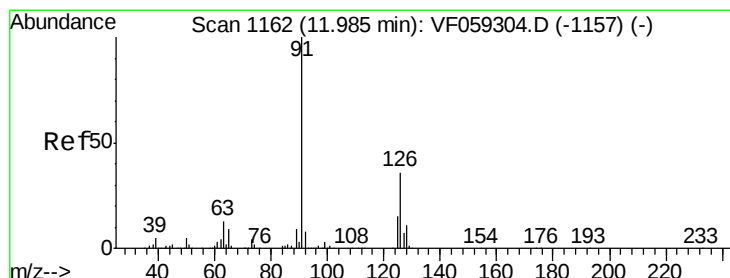
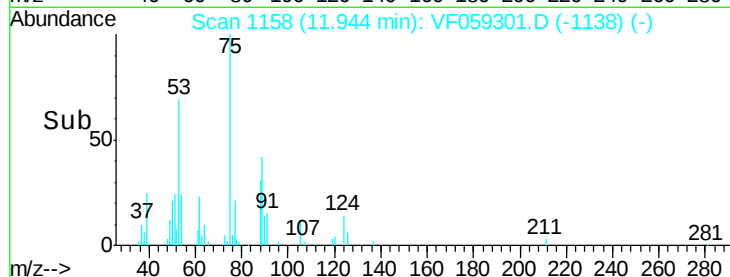
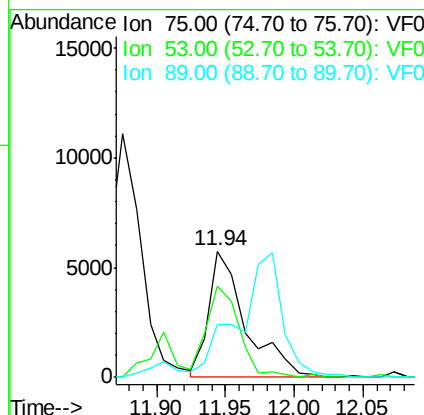
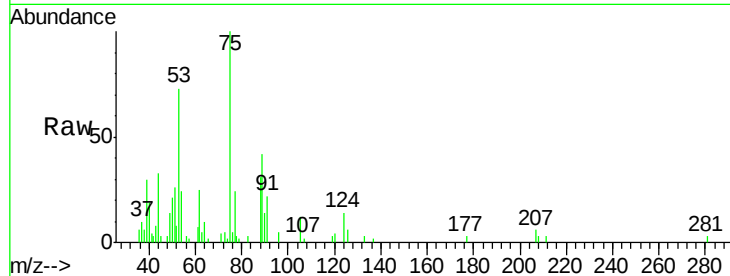
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	10781
Ion	Ratio	Lower	Upper
75	100		
53	72.6	68.8	103.2
89	41.6	42.0	63.0#

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#82

4-Chlorotoluene

Concen: 5.10 ug/l

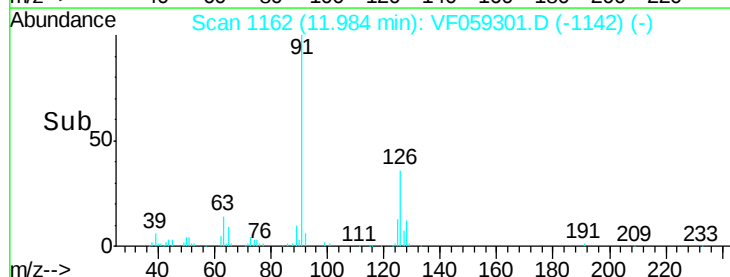
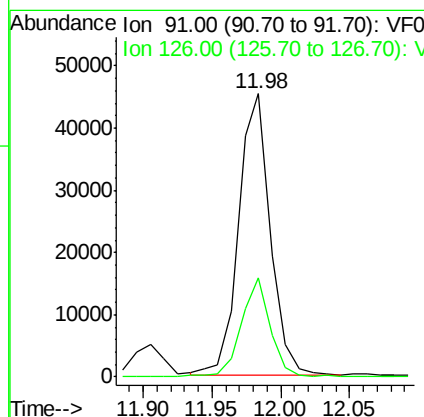
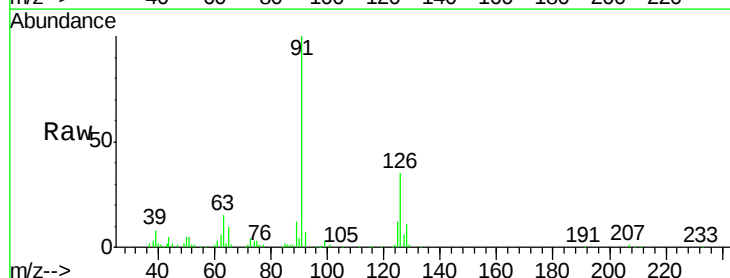
RT: 11.98 min Scan# 1162

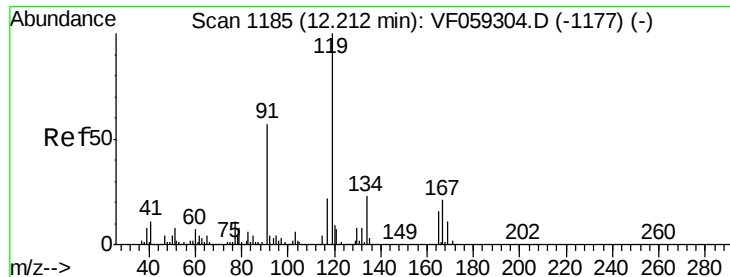
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	91	Resp:	72001
Ion	Ratio	Lower	Upper
91	100		
126	34.9	18.2	54.6





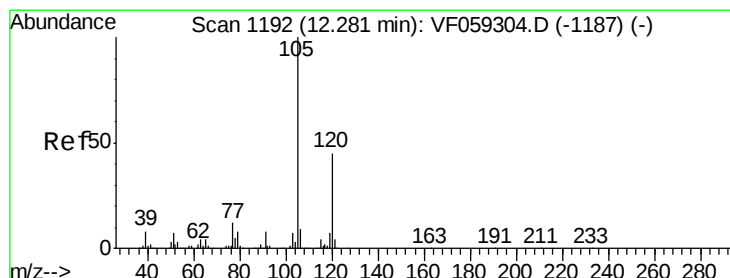
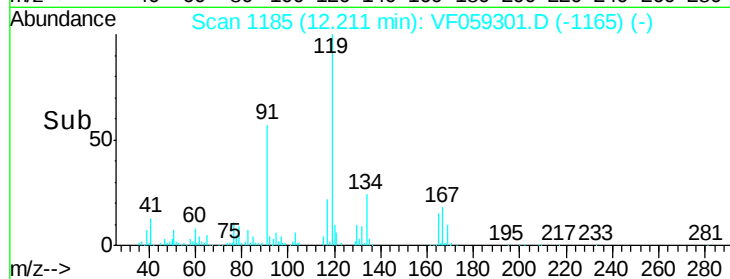
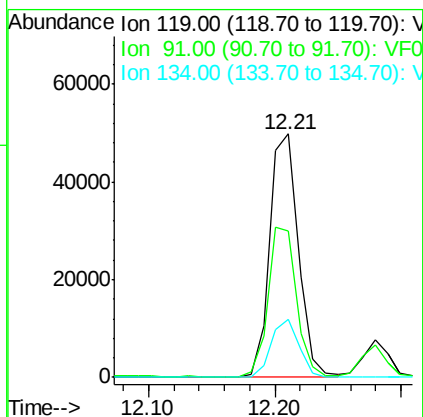
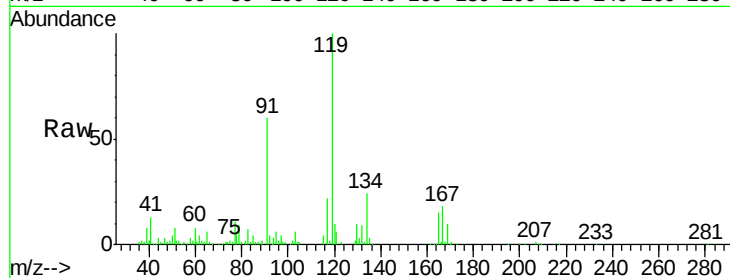
#83
 tert-Butylbenzene
 Concen: 5.02 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	28.4	85.2
134	23.8	11.7	35.1

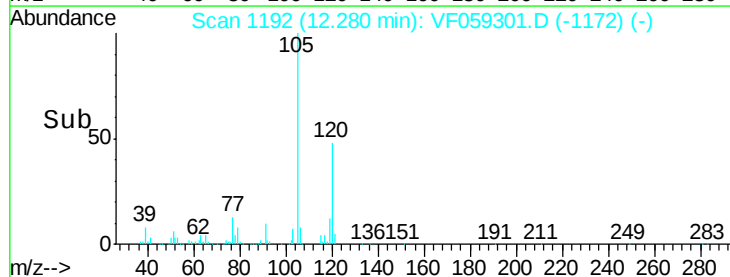
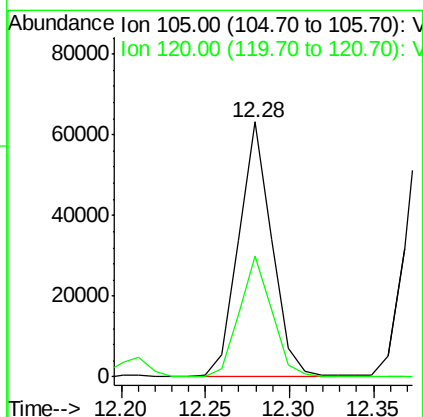
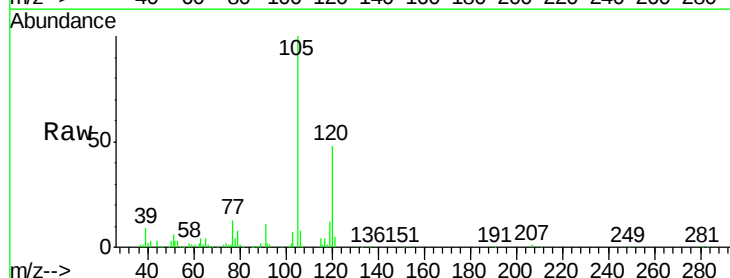
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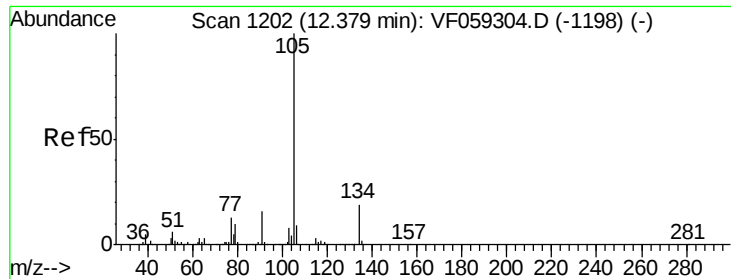
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.26 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 4.84 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 102106

Ion Ratio Lower Upper

105 100

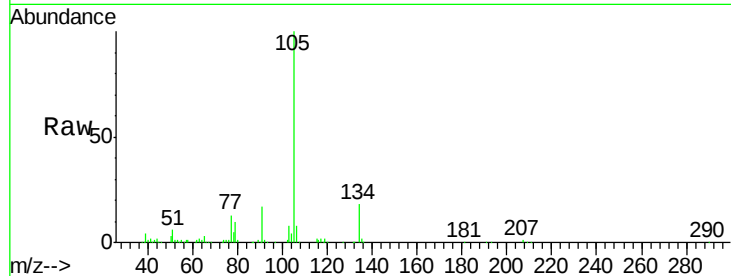
134 17.9 9.4 28.3

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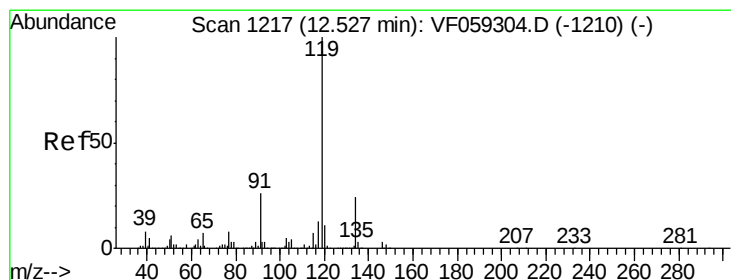
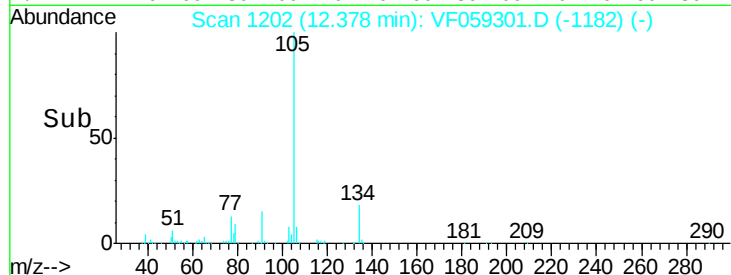
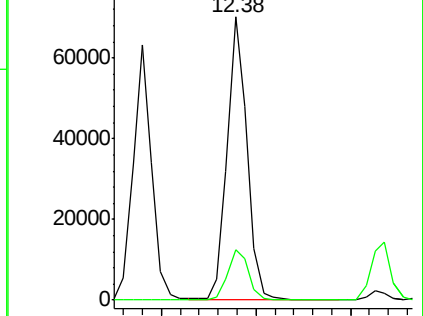
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.03 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

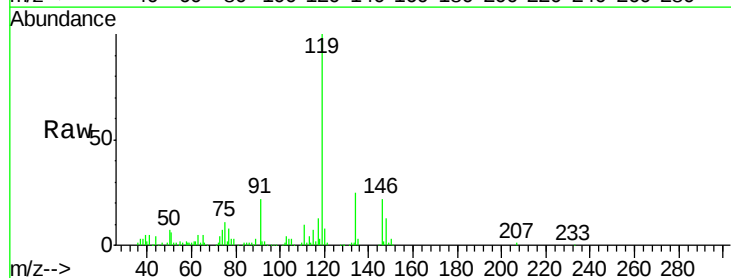
Tgt Ion:119 Resp: 87168

Ion Ratio Lower Upper

119 100

134 24.8 12.2 36.4

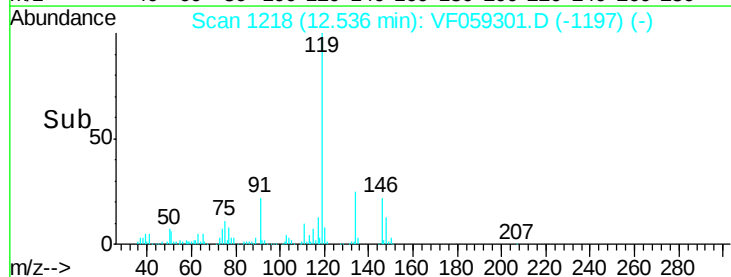
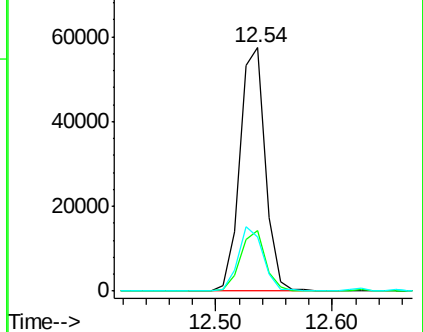
91 22.4 12.9 38.6

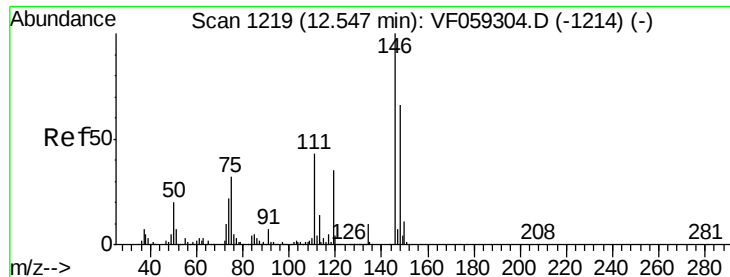


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





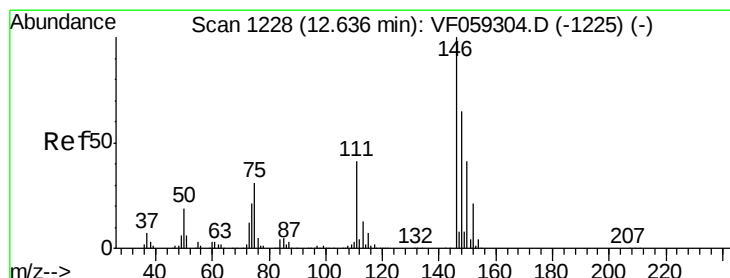
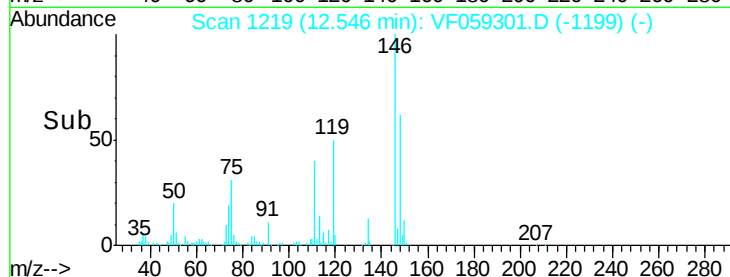
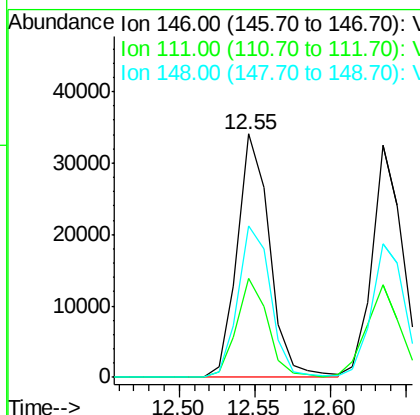
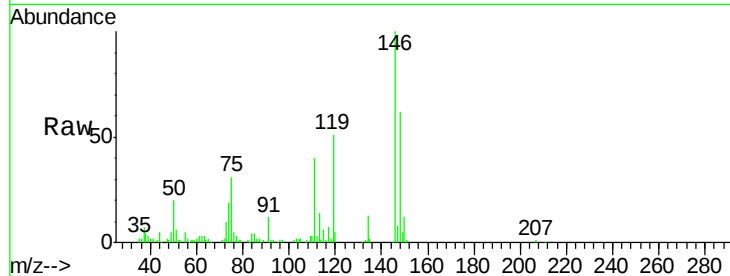
#87
 1,3-Dichlorobenzene
 Concen: 5.66 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.4	64.2
148	62.2	32.8	98.4

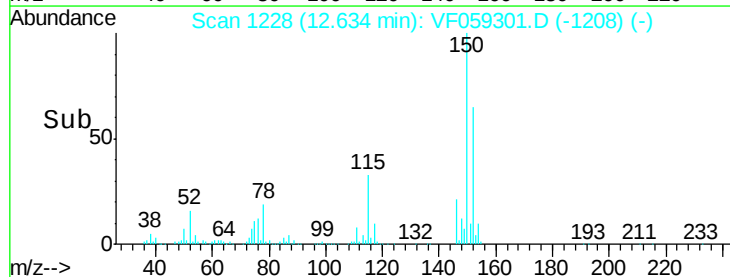
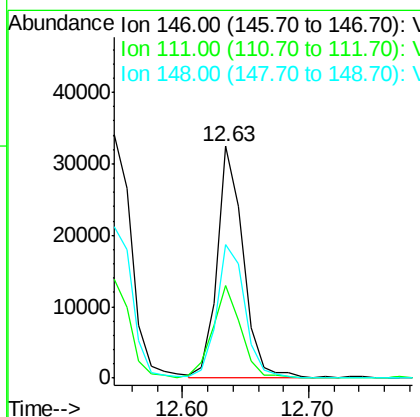
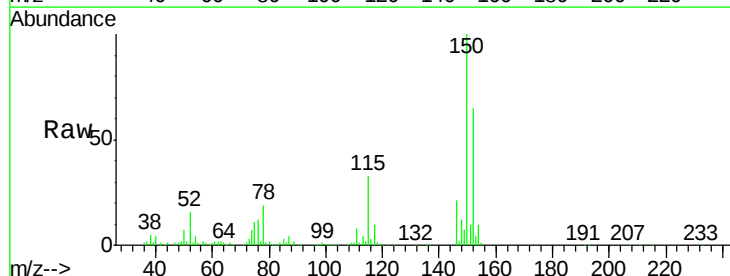
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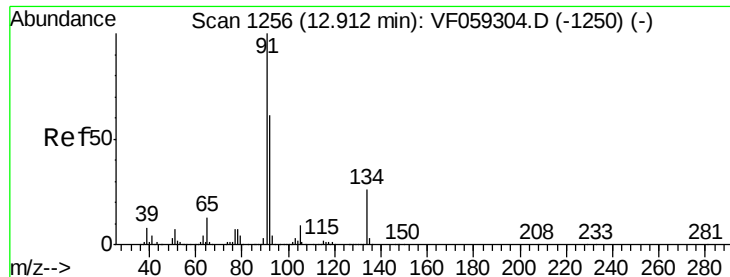
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#88
 1,4-Dichlorobenzene
 Concen: 5.31 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.7	62.1
148	57.6	32.8	98.3





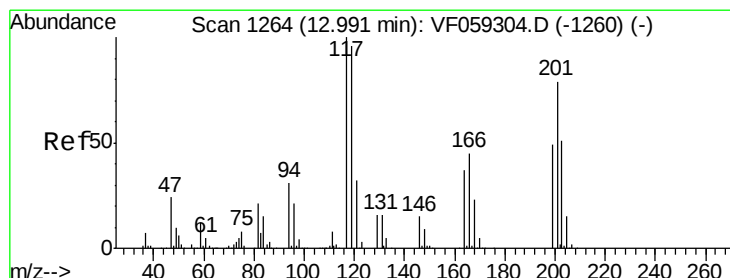
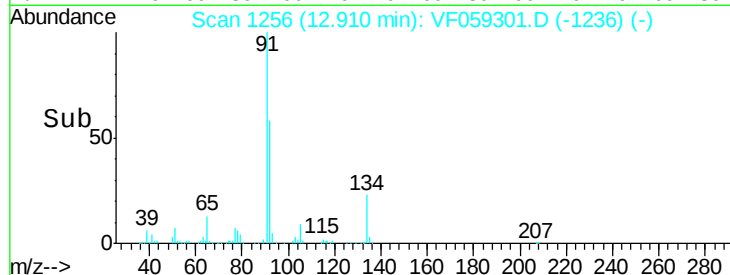
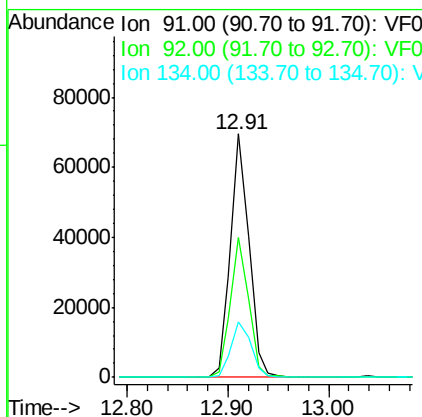
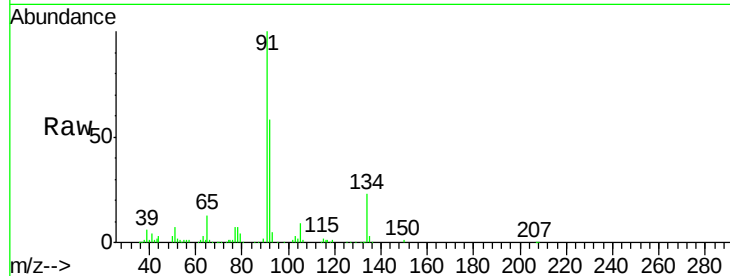
#89
n-Butylbenzene
Concen: 5.10 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	30.3	91.0
134	22.6	12.9	38.7

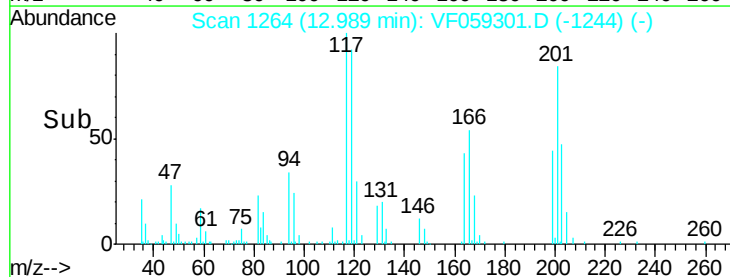
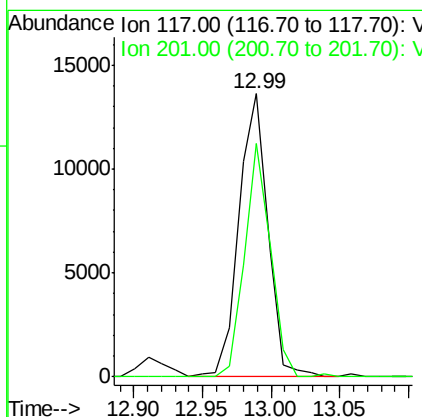
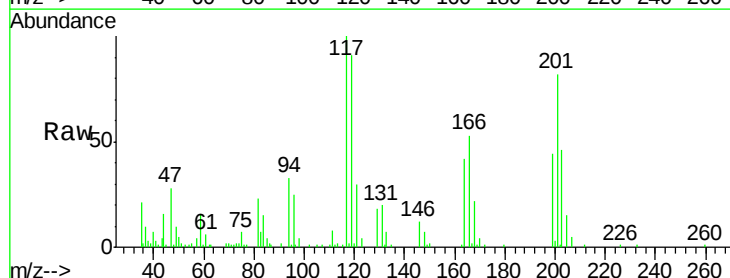
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#90
Hexachloroethane
Concen: 4.59 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 5.32 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Instrument :

MSVOA_F

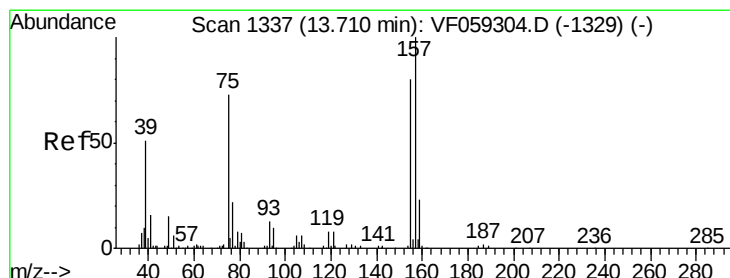
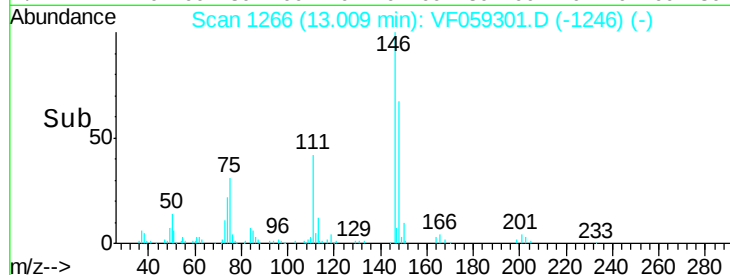
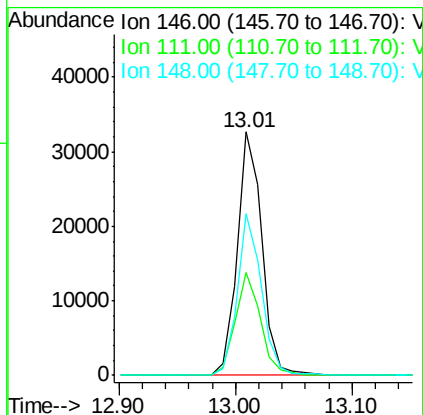
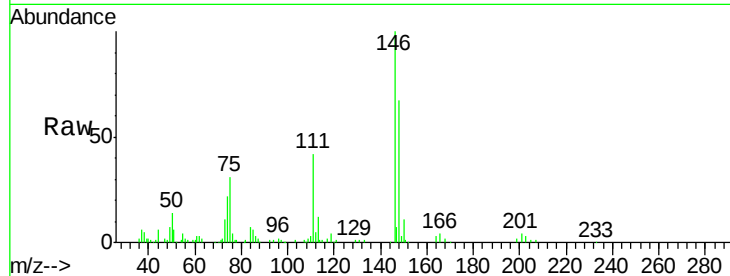
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	47764
Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.7	68.0
148	66.6	33.5	100.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.12 ug/l

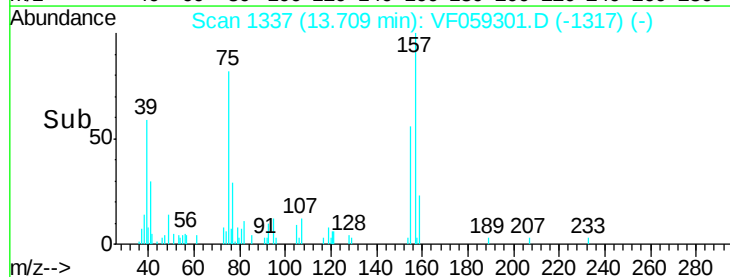
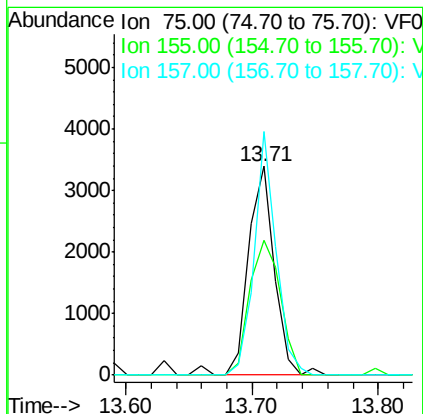
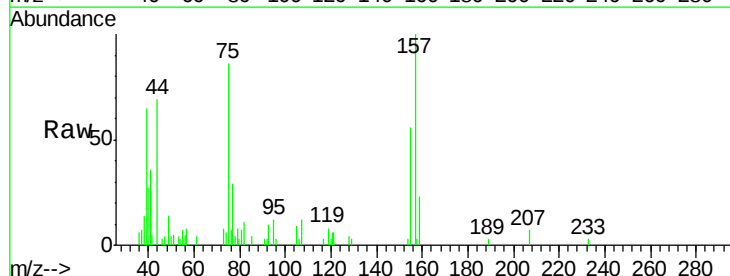
RT: 13.71 min Scan# 1337

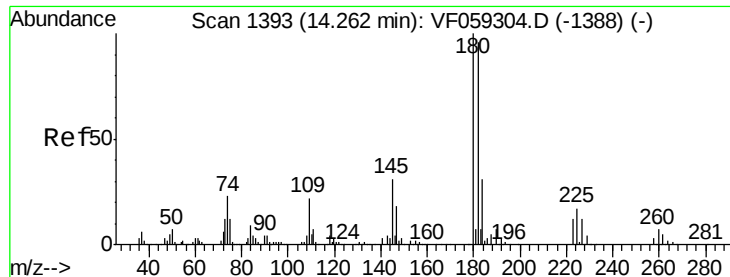
Delta R.T. -0.00 min

Lab File: VF059301.D

Acq: 25 Jun 2018 14:50

Tgt Ion:	75	Resp:	4882
Ion	Ratio	Lower	Upper
75	100		
155	64.8	54.6	163.8
157	120.0	68.7	205.9





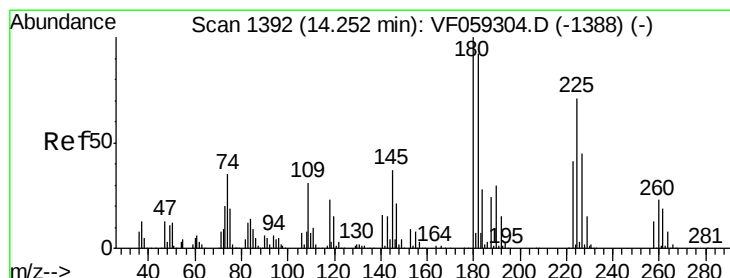
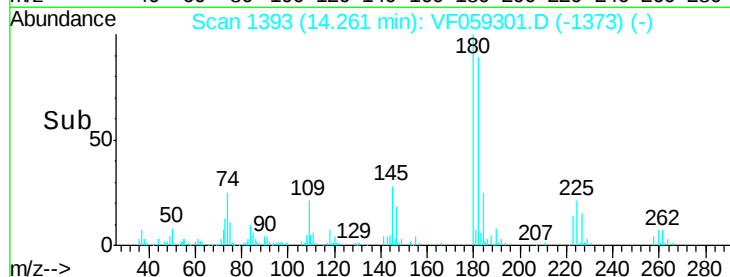
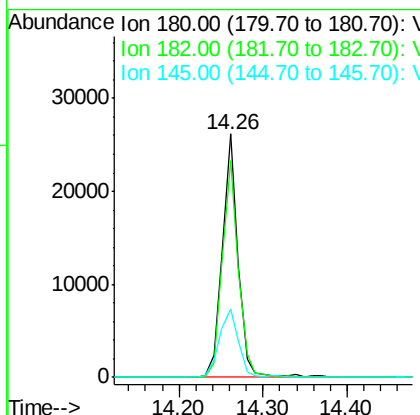
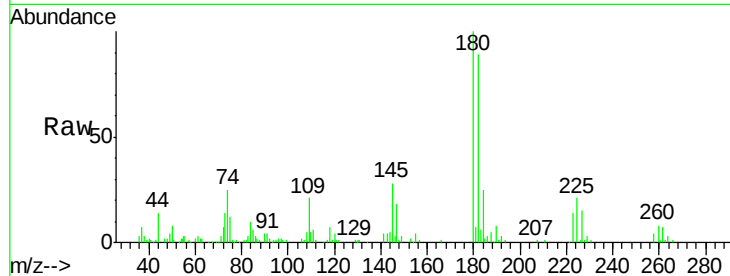
#93
 1,2,4-Trichlorobenzene
 Concen: 5.22 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34009		
182	89.1		48.1	144.3
145	28.0		15.3	45.8

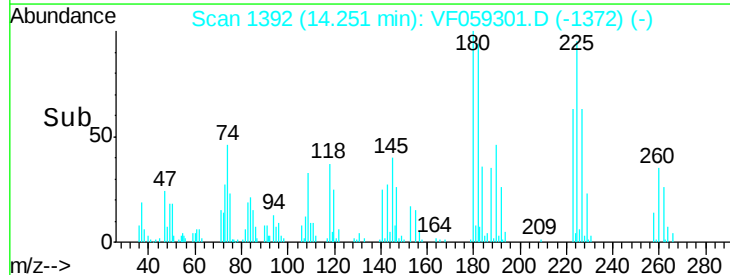
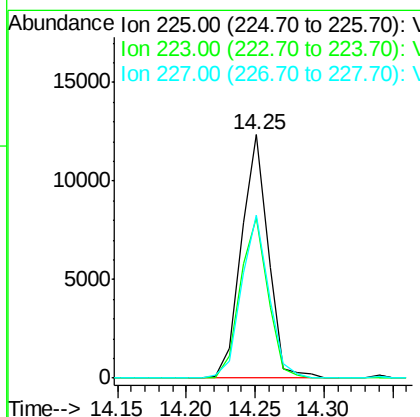
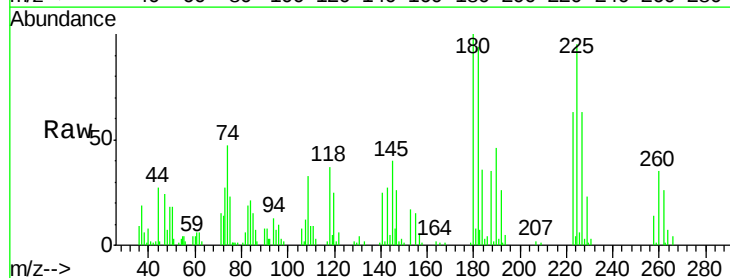
Manual Integrations
 APPROVED

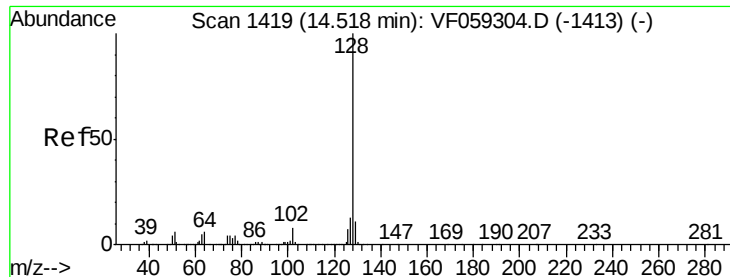
apatel
 6/26/2018 10:03:06 AM



#94
 Hexachlorobutadiene
 Concen: 4.41 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059301.D
 Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16801		
223	65.9		28.9	86.8
227	66.9		31.3	93.8





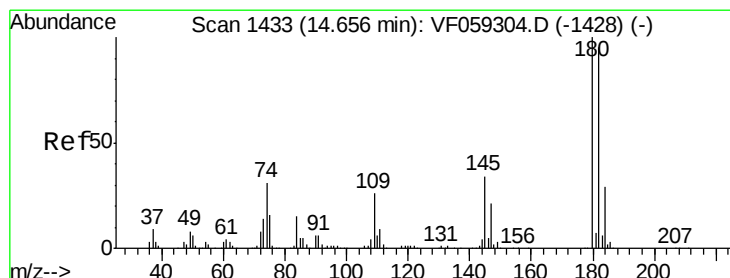
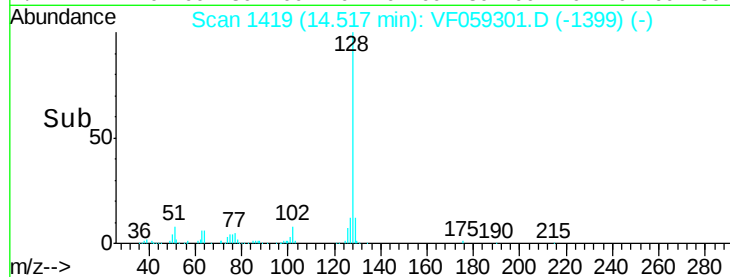
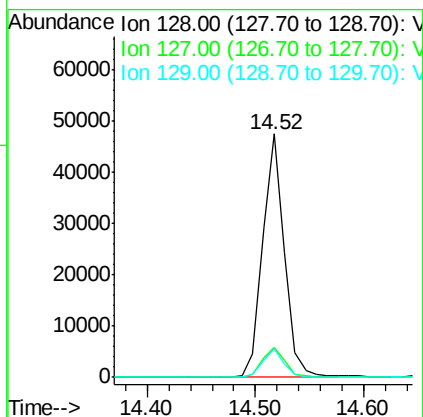
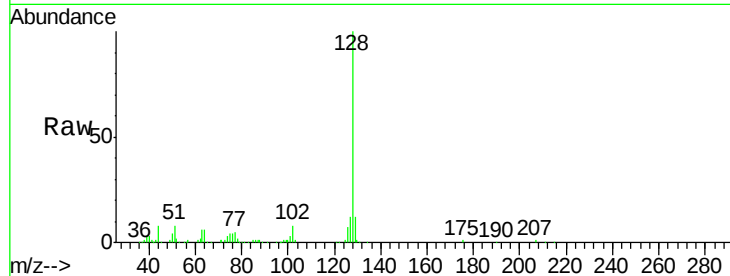
#95
Naphthalene
Concen: 5.02 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	11.9	8.8	13.2

Manual Integrations
APPROVED

apatel
6/26/2018 10:03:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.93 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059301.D
Acq: 25 Jun 2018 14:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.5
145	34.5	17.0	50.9

