

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059313.D
 Acq On : 26 Jun 2018 13:27
 Operator : VA/AP
 Sample : VF0626SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Manual Integrations
 APPROVED

apatel
 6/27/2018 2:01:38 PM

Quant Time: Jun 27 02:52:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	292224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	464847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	451040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	281703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	177116	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	4.27	113	159160	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	7.69	98	414963	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.49	95	230041	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	60366	22.61	ug/l	96
3) Chloromethane	1.08	50	39240	21.88	ug/l	99
4) Vinyl Chloride	1.14	62	38219	21.65	ug/l	93
5) Bromomethane	1.33	94	25659	23.45	ug/l	92
6) Chloroethane	1.42	64	18415	20.71	ug/l	93
7) Trichlorofluoromethane	1.48	101	73531m	21.06	ug/l	
8) Diethyl Ether	1.70	74	18542	20.71	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43427	21.31	ug/l	96
10) Methyl Iodide	1.95	142	77238	20.78	ug/l	94
11) Tert butyl alcohol	2.67	59	21778	86.64	ug/l	95
12) 1,1-Dichloroethene	1.84	96	35779	20.77	ug/l	87
13) Acrolein	2.08	56	14610	111.17	ug/l	98
14) Allyl chloride	2.18	41	69369	21.45	ug/l	87
15) Acrylonitrile	3.06	53	48271	109.06	ug/l	94
16) Acetone	2.33	43	114073	115.49	ug/l	97
17) Carbon Disulfide	1.85	76	86842	21.43	ug/l	94
18) Methyl Acetate	2.43	43	32160	18.13	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	132092	20.56	ug/l #	92
20) Methylene Chloride	2.27	84	57828m	23.38	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	41144	22.39	ug/l	97
22) Diisopropyl ether	2.91	45	150294	20.99	ug/l	97
23) Vinyl Acetate	3.31	43	499602	109.54	ug/l	98
24) 1,1-Dichloroethane	2.99	63	93805	21.13	ug/l	99
25) 2-Butanone	4.48	43	124570	107.50	ug/l	97
26) 2,2-Dichloropropane	3.74	77	74212	24.23	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	60901	21.83	ug/l	82
28) Bromochloromethane	3.86	49	43958	23.53	ug/l	100
29) Tetrahydrofuran	4.23	42	55252	108.78	ug/l	95
30) Chloroform	4.01	83	131405	20.44	ug/l	97
31) Cyclohexane	3.84	56	64262	22.09	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	100708	21.41	ug/l	96
36) 1,1-Dichloropropene	4.44	75	86594	21.32	ug/l	97
37) Ethyl Acetate	4.27	43	52837	19.43	ug/l	97
38) Carbon Tetrachloride	4.15	117	104622	20.42	ug/l	90

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	77690	21.59	ug/l	90
40) Benzene	4.78	78	188220	20.90	ug/l	96
41) Methacrylonitrile	4.90	41	26938	19.45	ug/l	98
42) 1,2-Dichloroethane	5.10	62	98392	18.70	ug/l	99
43) Isopropyl Acetate	7.09	43	64482	19.06	ug/l #	94
44) Trichloroethene	5.65	130	61242	19.83	ug/l	95
45) 1,2-Dichloropropane	6.39	63	55600	21.61	ug/l	97
46) Dibromomethane	6.23	93	47607	21.32	ug/l	92
47) Bromodichloromethane	6.53	83	111986	20.72	ug/l	99
48) Methyl methacrylate	6.85	41	45003	19.85	ug/l	92
49) 1,4-Dioxane	6.85	88	5814	457.59	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	251505	100.37	ug/l	100
52) Toluene	7.76	92	132563	19.68	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	107226	21.77	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	113070	21.13	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50347	19.25	ug/l	92
56) Ethyl methacrylate	8.73	69	63048	19.46	ug/l	93
57) 1,3-Dichloropropane	8.98	76	92287	20.57	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	24772	101.93	ug/l	100
59) 2-Hexanone	9.61	43	215494	104.64	ug/l	97
60) Dibromochloromethane	8.84	129	78696	19.49	ug/l	97
61) 1,2-Dibromoethane	9.12	107	61103	19.26	ug/l	100
64) Tetrachloroethene	8.28	164	64675	22.11	ug/l	97
65) Chlorobenzene	9.92	112	177720	21.26	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	74504	20.61	ug/l	94
67) Ethyl Benzene	10.01	91	305545	21.55	ug/l	99
68) m/p-Xylenes	10.25	106	226165	44.82	ug/l	99
69) o-Xylene	10.80	106	122223	21.65	ug/l	98
70) Styrene	10.88	104	188580	21.93	ug/l	99
71) Bromoform	10.87	173	49589	20.01	ug/l	99
73) Isopropylbenzene	11.21	105	362651	22.10	ug/l	98
74) N-amyl acetate	11.44	43	121891	20.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	84361	20.35	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	62307	19.93	ug/l	93
77) Bromobenzene	11.58	156	90801	19.94	ug/l	84
78) n-propylbenzene	11.67	91	441832	22.42	ug/l	97
79) 2-Chlorotoluene	11.80	91	260239	21.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	311555	21.67	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	36968	19.87	ug/l	94
82) 4-Chlorotoluene	11.98	91	272202	21.10	ug/l	95
83) tert-Butylbenzene	12.20	119	321239	22.34	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	321087	21.21	ug/l	99
85) sec-Butylbenzene	12.37	105	399788	20.98	ug/l	99
86) p-Isopropyltoluene	12.53	119	360677	22.55	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	176115	20.74	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	171222	21.06	ug/l	98
89) n-Butylbenzene	12.90	91	365193	22.49	ug/l	98
90) Hexachloroethane	12.98	117	85846	21.54	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	179215	21.68	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17122	18.64	ug/l	83

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ClientSampleId :
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QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	128028	20.95	ug/l	98
94) Hexachlorobutadiene	14.24	225	74945	21.95	ug/l	96
95) Naphthalene	14.51	128	258994	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	118495	20.47	ug/l	96

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

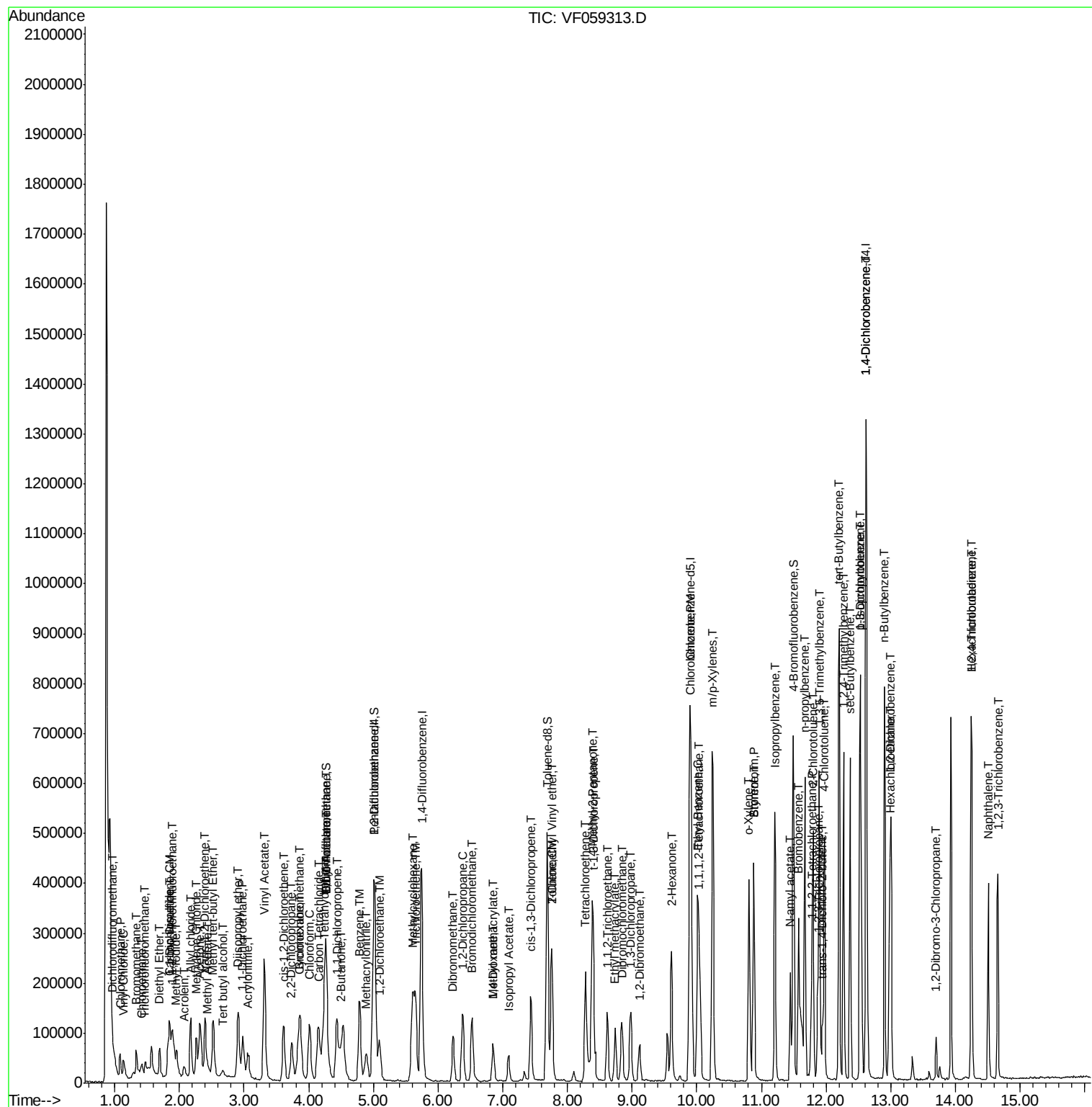
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 Data File : VF059313.D
 Acq On : 26 Jun 2018 13:27
 Operator : VA/AP
 Sample : VF0626SBSD01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
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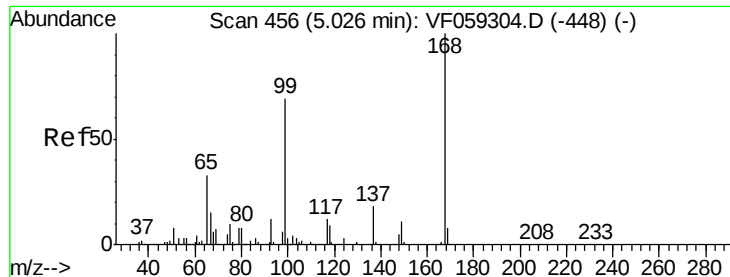
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion:168 Resp: 292224

Ion Ratio Lower Upper

168 100

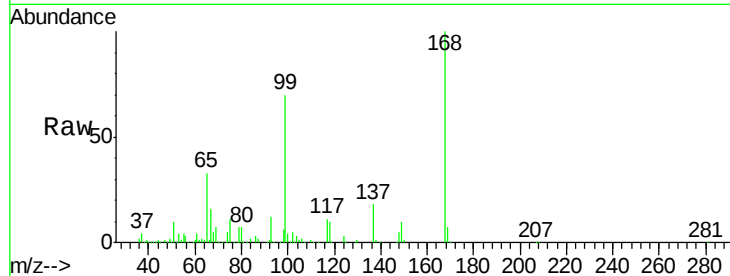
99 70.3 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

40000

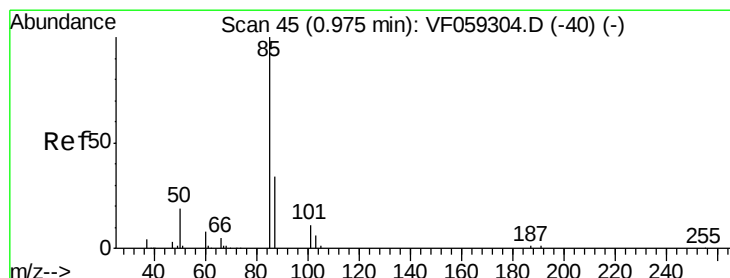
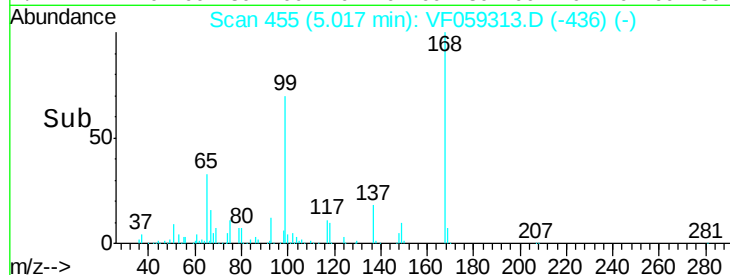
20000

0

Time-->

4.90 5.00 5.10 5.20

5.02



#2

Dichlorodifluoromethane

Concen: 22.61 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059313.D

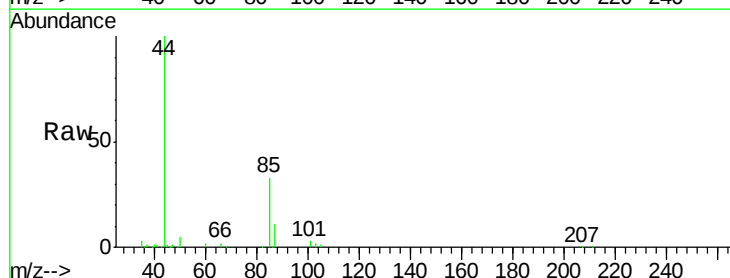
Acq: 26 Jun 2018 13:27

Tgt Ion: 85 Resp: 60366

Ion Ratio Lower Upper

85 100

87 31.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

15000

10000

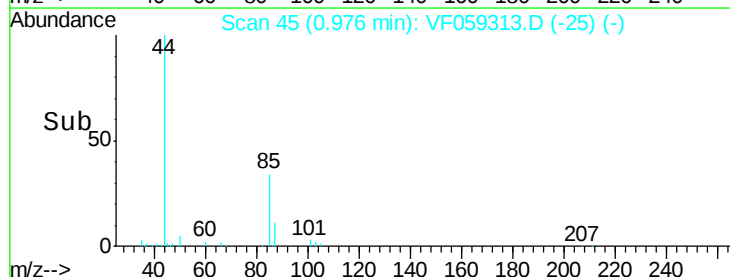
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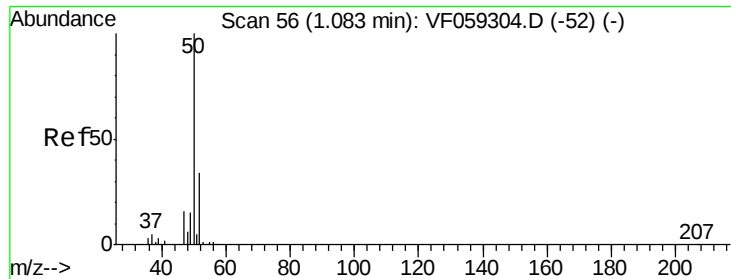
0

Time-->

0.90 1.00 1.10

0.98





#3

Chloromethane

Concen: 21.88 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 50 Resp: 39240

Ion Ratio Lower Upper

50 100

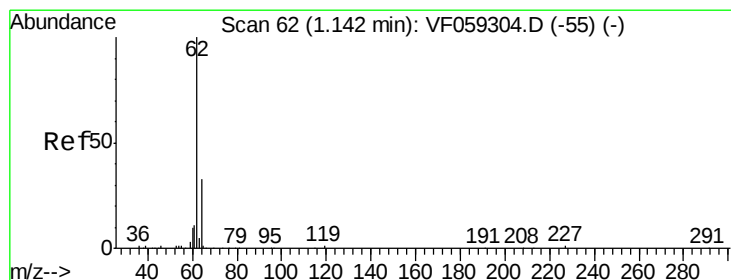
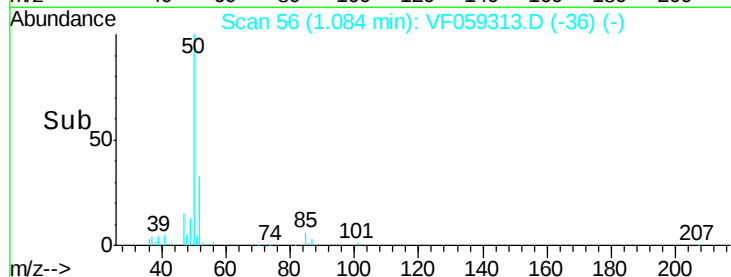
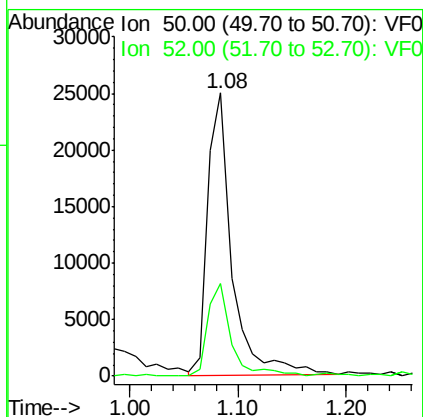
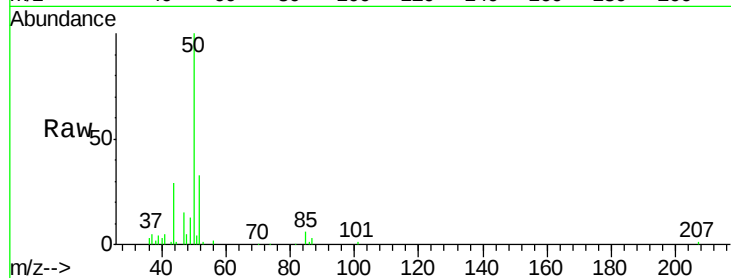
52 32.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.65 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059313.D

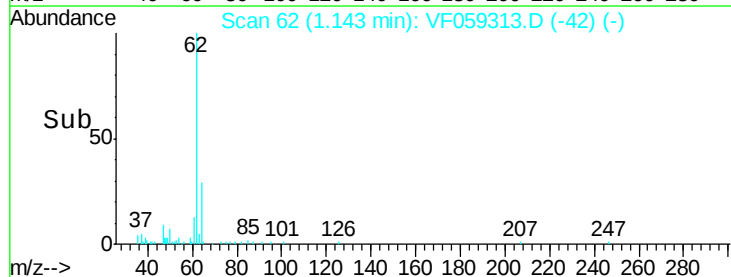
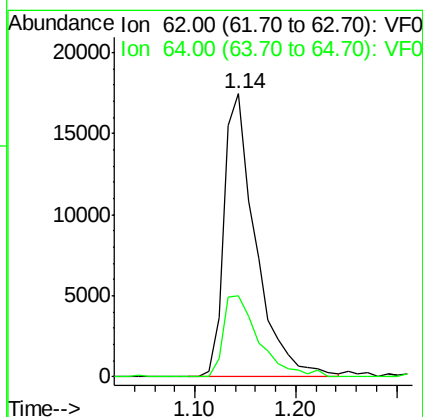
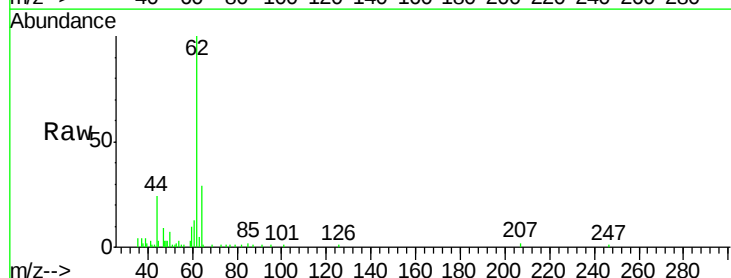
Acq: 26 Jun 2018 13:27

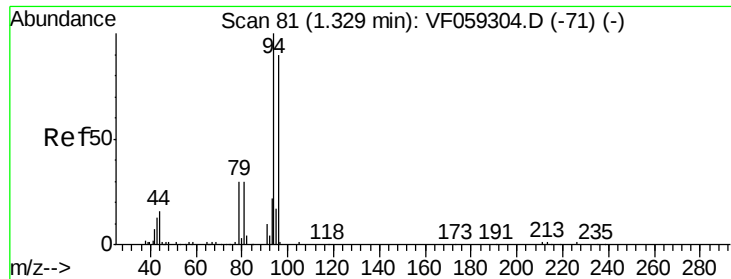
Tgt Ion: 62 Resp: 38219

Ion Ratio Lower Upper

62 100

64 28.7 26.3 39.5





#5

Bromomethane

Concen: 23.45 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 94 Resp: 25659

Ion Ratio Lower Upper

94 100

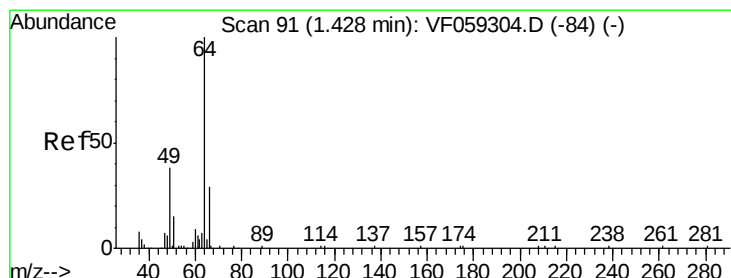
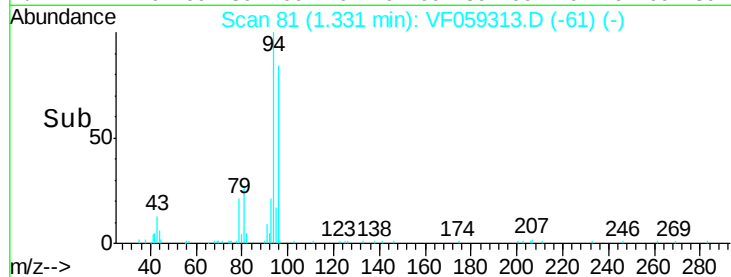
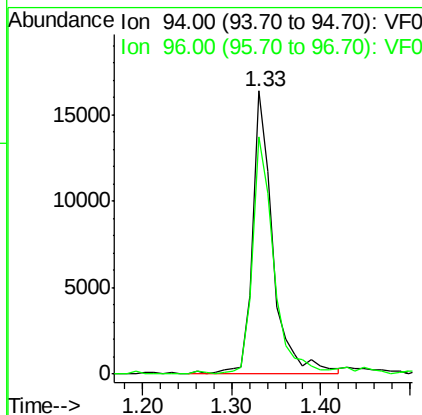
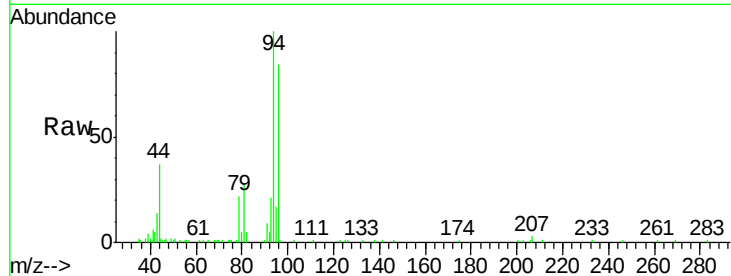
96 83.9 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 20.71 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059313.D

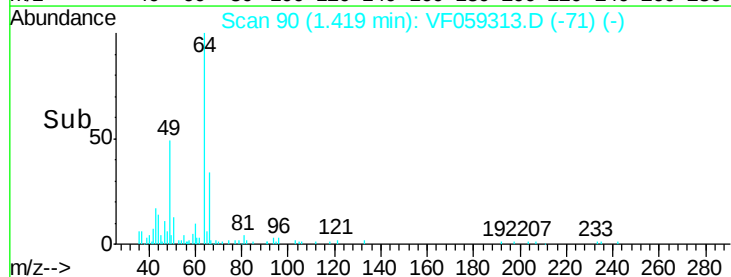
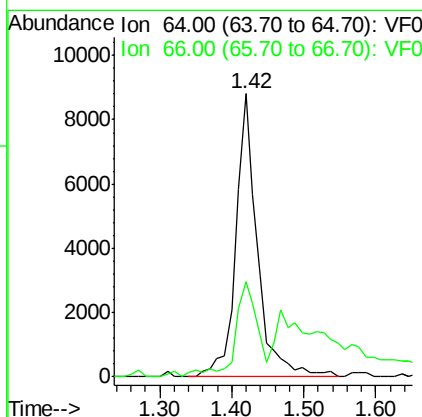
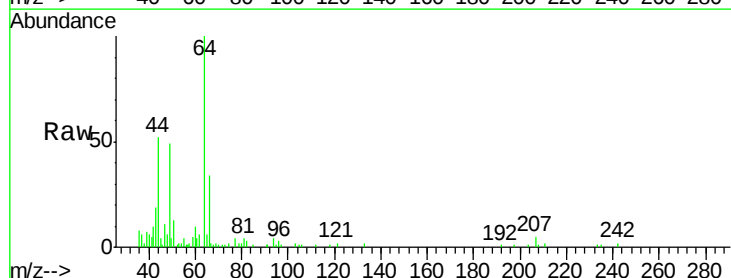
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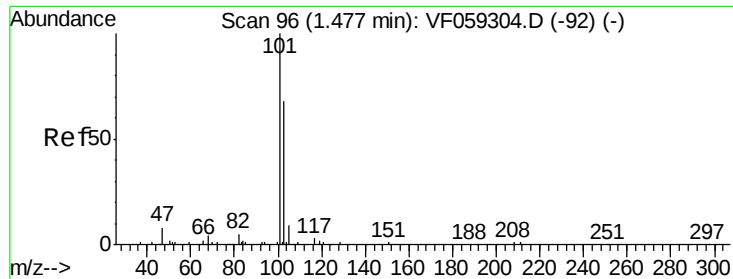
Tgt Ion: 64 Resp: 18415

Ion Ratio Lower Upper

64 100

66 33.8 23.9 35.9





#7

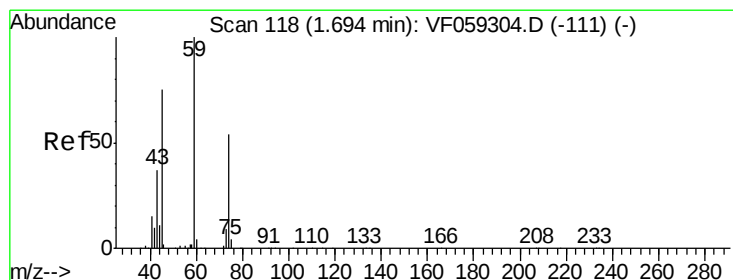
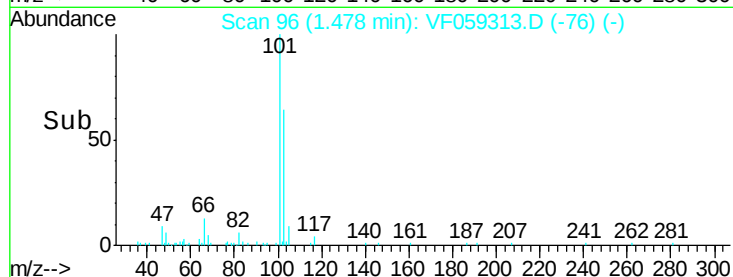
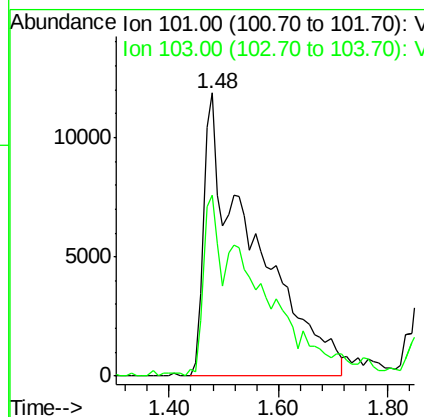
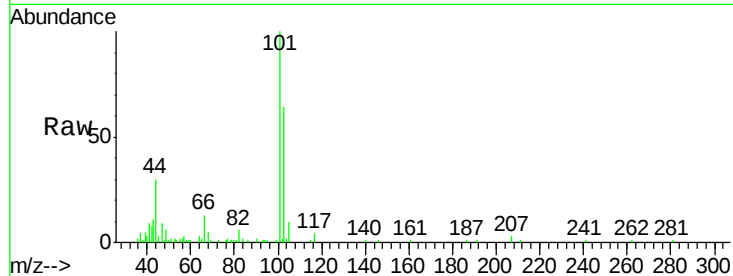
Trichlorofluoromethane
Concen: 21.06 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	54.2	81.2

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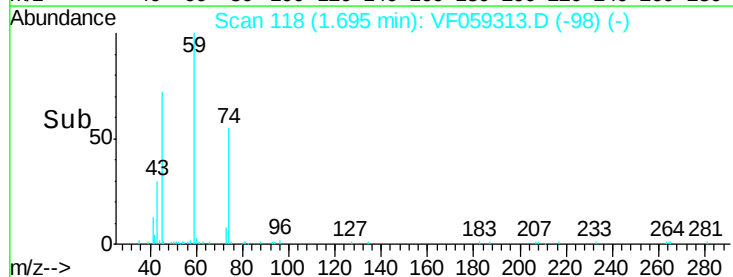
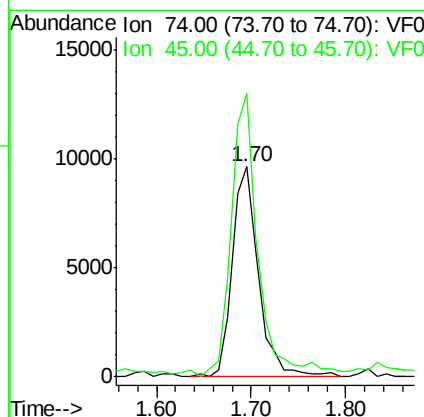
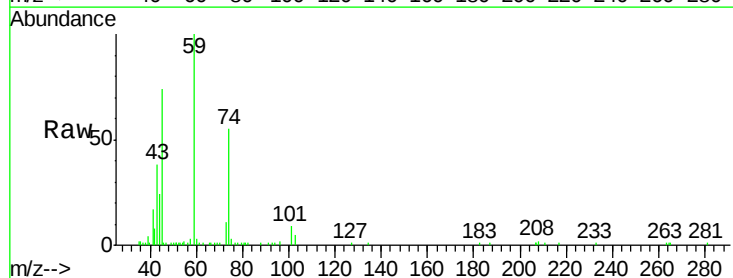
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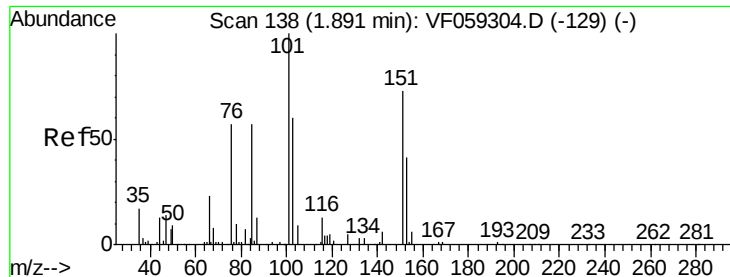


#8

Diethyl Ether
Concen: 20.71 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.8	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.31 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

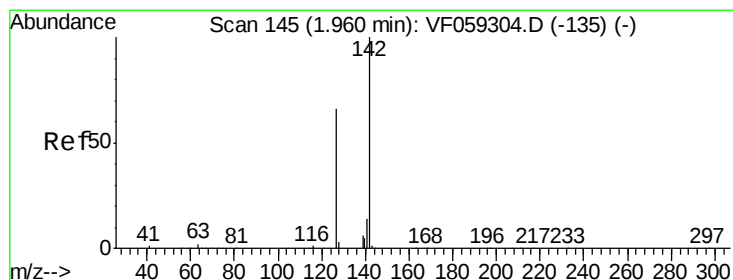
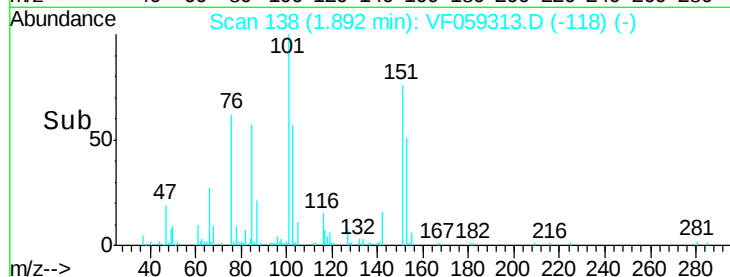
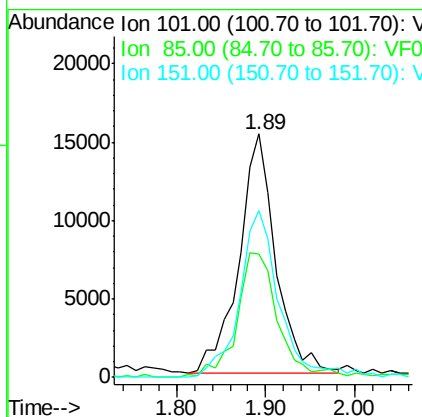
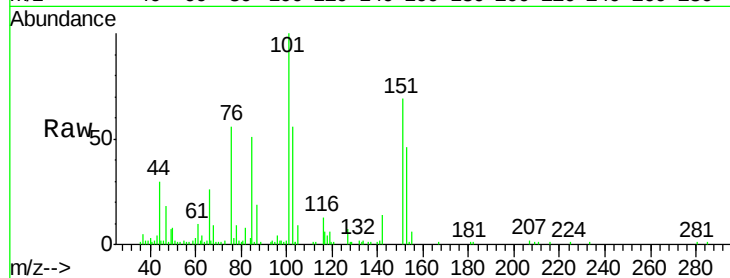
ClientSampleId :

VF0626SBS01

Tot Ion:	101	Resp:	43427
Ion Ratio	Lower	Upper	
101	100		
85	50.9	44.5	66.7
151	68.8	56.8	85.2

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#10

Methyl Iodide

Concen: 20.78 ug/l

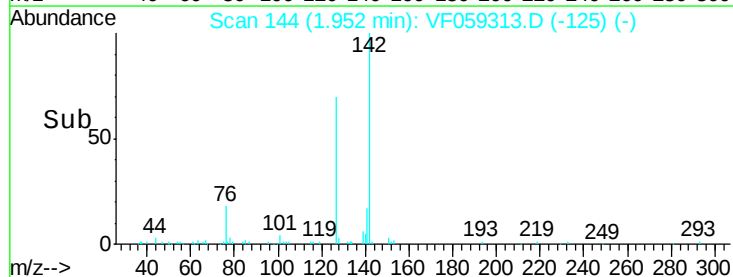
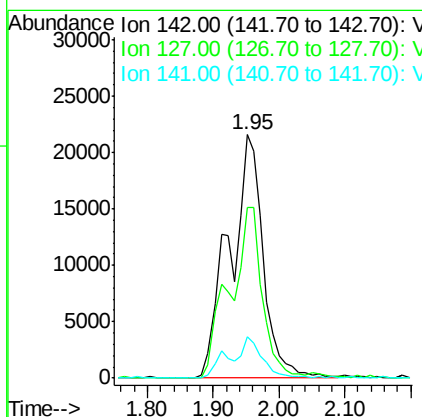
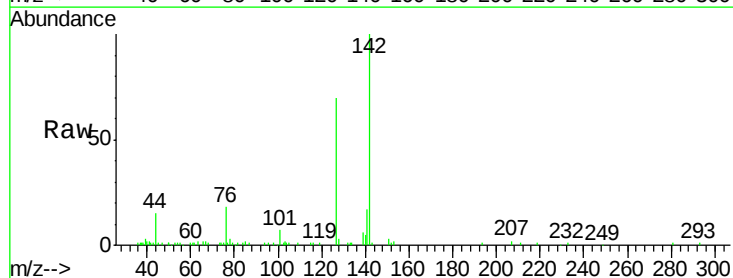
RT: 1.95 min Scan# 144

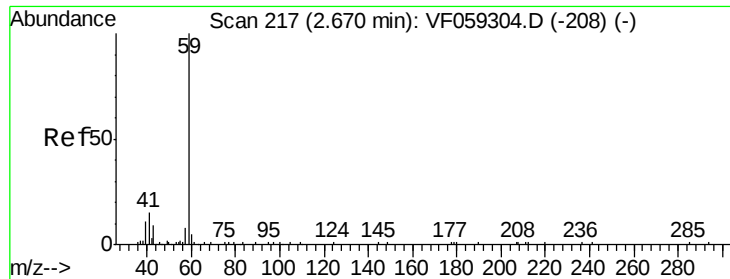
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	142	Resp:	77238
Ion Ratio	Lower	Upper	
142	100		
127	70.1	52.5	78.7
141	17.3	11.5	17.3





#11

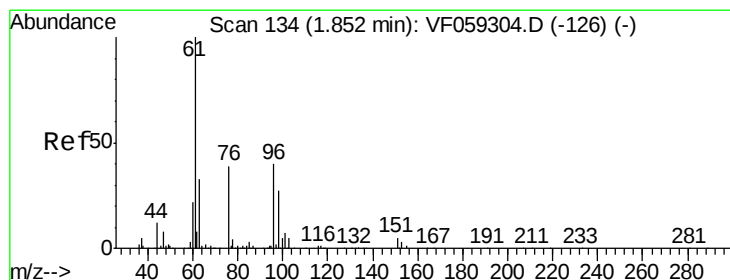
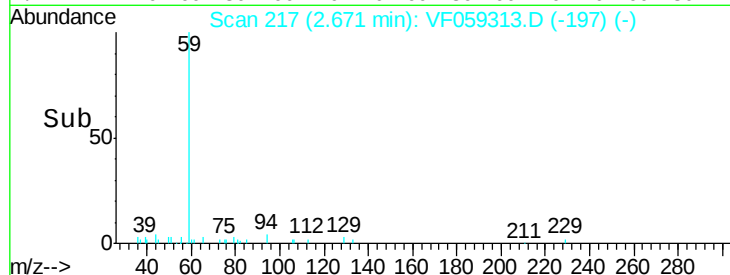
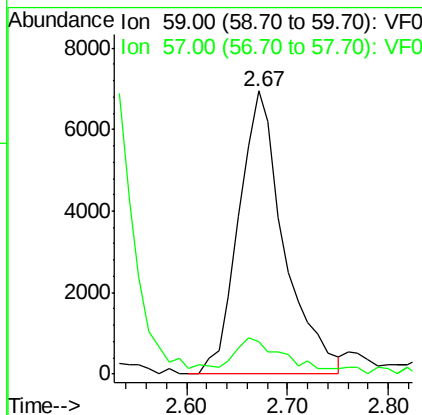
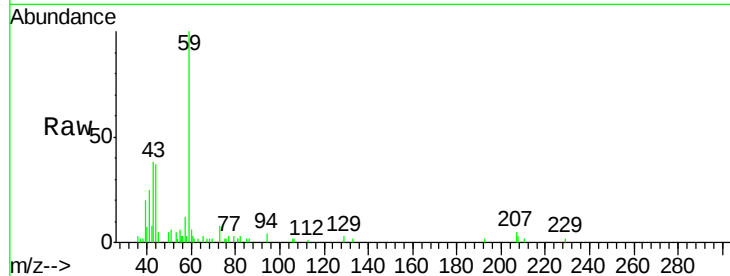
Tert butyl alcohol
Concen: 86.64 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	59	Resp	21778
Ion Ratio	100	Lower	Upper
57	11.7	11.0	16.4

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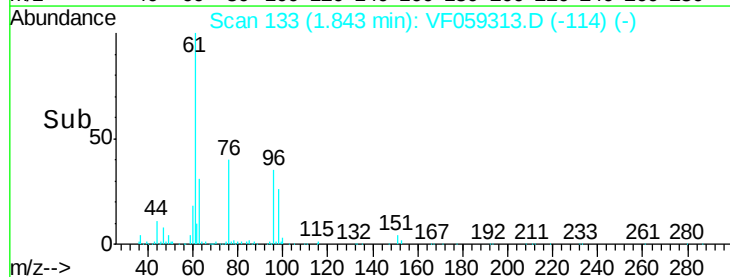
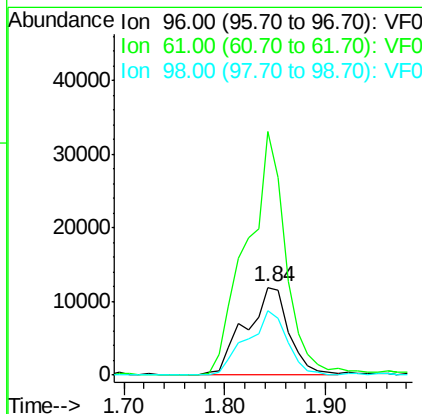
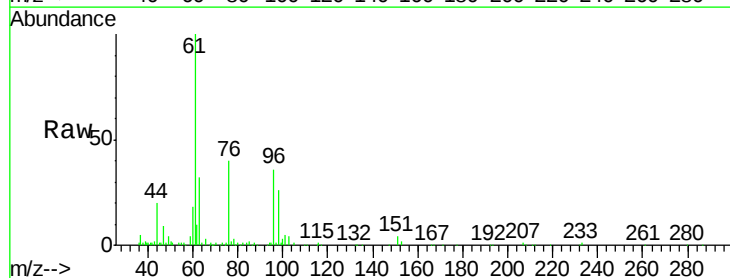
apatel
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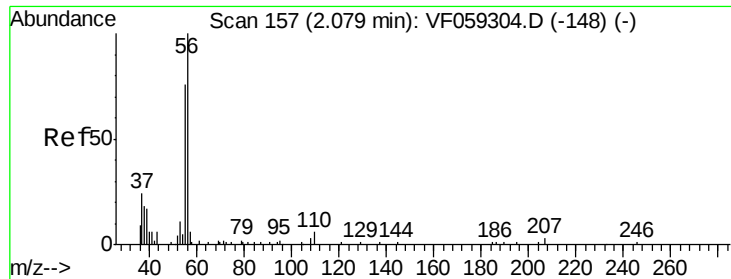


#12

1,1-Dichloroethene
Concen: 20.77 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	96	Resp	35779
Ion Ratio	100	Lower	Upper
61	277.5	201.1	301.7
98	72.9	53.9	80.9





#13

Acrolein

Concen: 111.17 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tot Ion: 56 Resp: 14610

Ion Ratio Lower Upper

56 100

55 79.9 62.4 93.6

Instrument :

MSVOA_F

ClientSampleId :

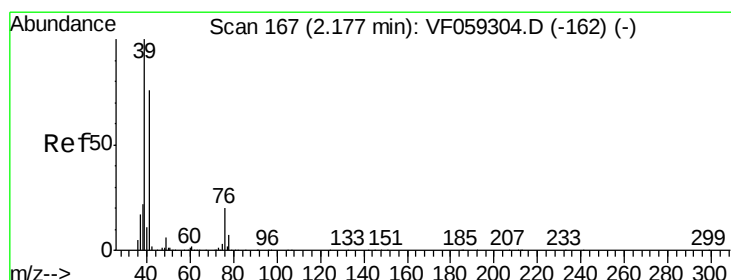
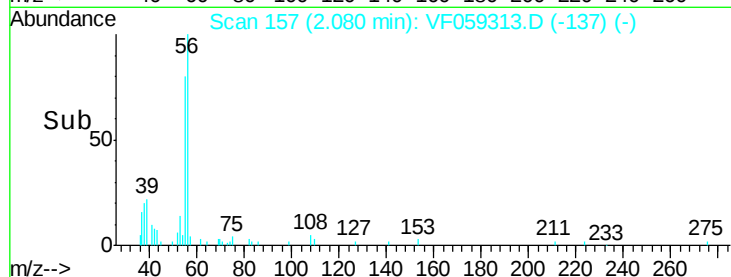
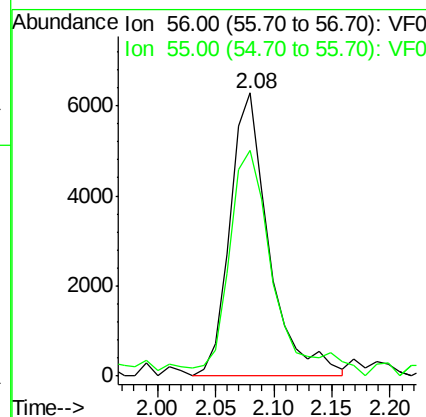
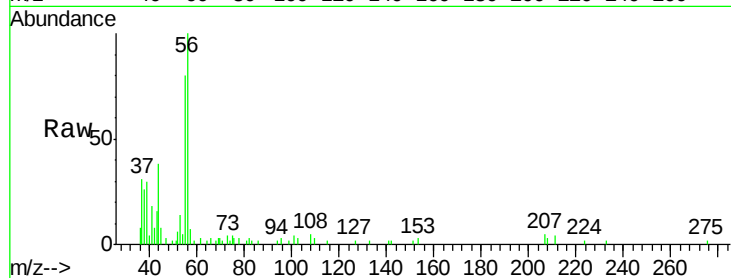
VF0626SBS01

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#14

Allyl chloride

Concen: 21.45 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

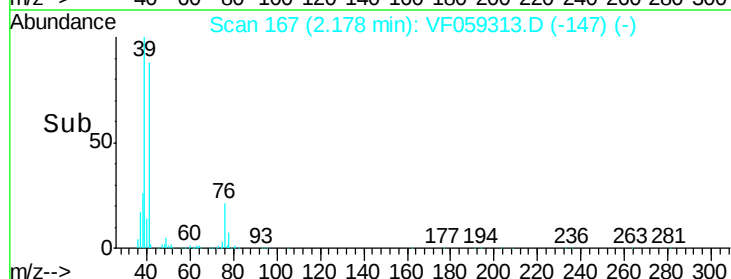
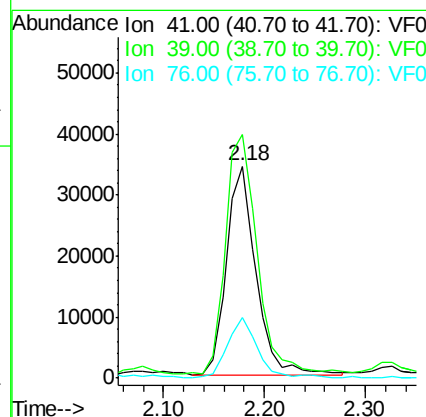
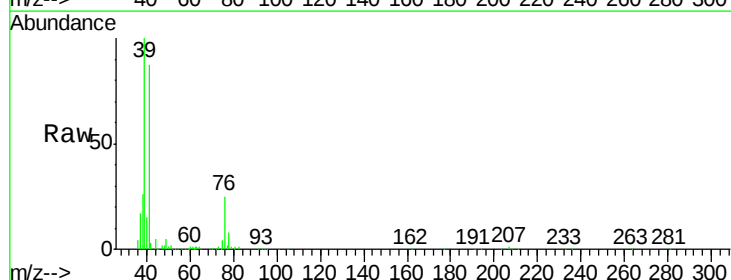
Tgt Ion: 41 Resp: 69369

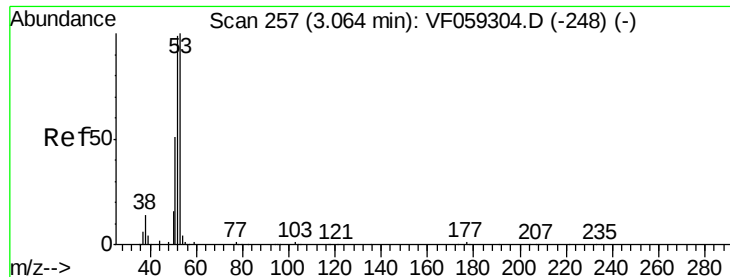
Ion Ratio Lower Upper

41 100

39 114.8 105.6 158.4

76 28.8 21.6 32.4





#15

Acrylonitrile

Concen: 109.06 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

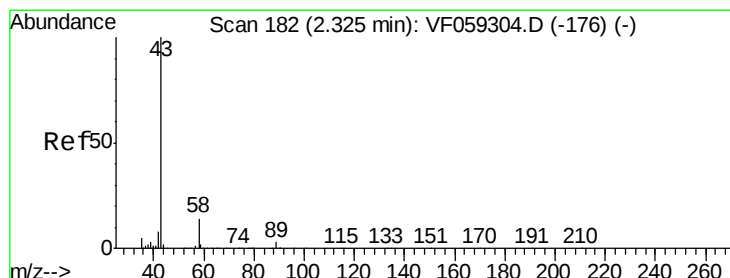
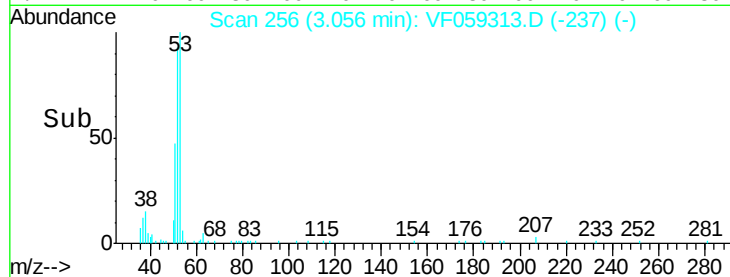
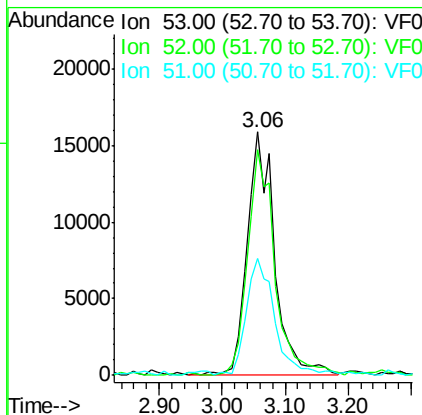
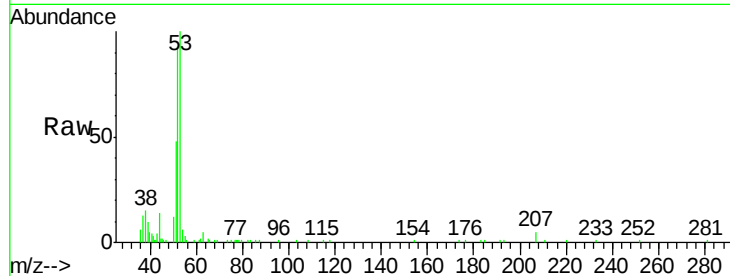
ClientSampleId :

VF0626SBS01

Tot Ion:	53	Resp:	48271
Ion	Ratio	Lower	Upper
53	100		
52	92.6	79.2	118.8
51	47.8	40.9	61.3

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#16

Acetone

Concen: 115.49 ug/l

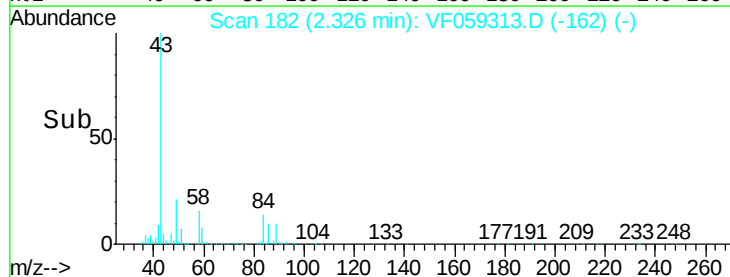
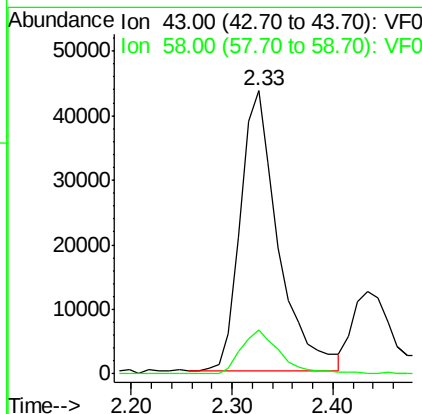
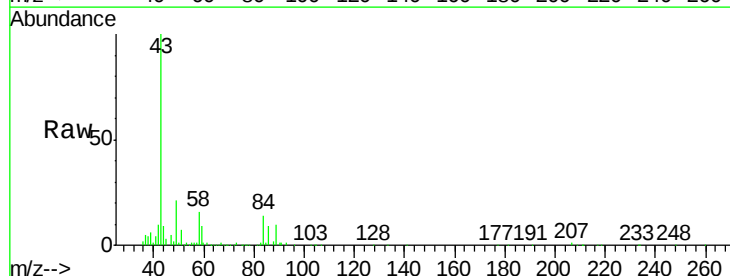
RT: 2.33 min Scan# 182

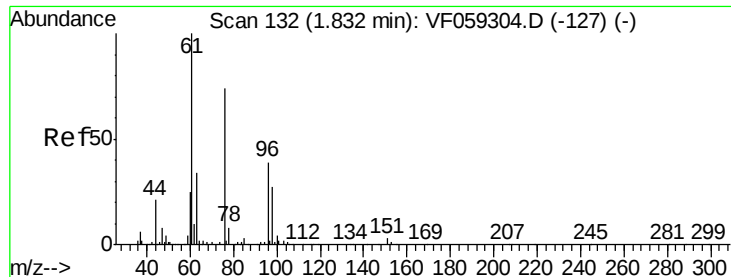
Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	43	Resp:	114073
Ion	Ratio	Lower	Upper
43	100		
58	15.6	11.4	17.0





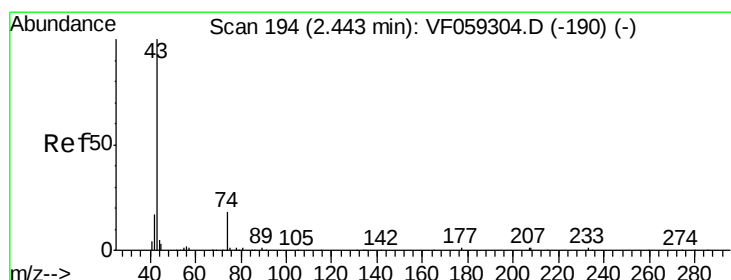
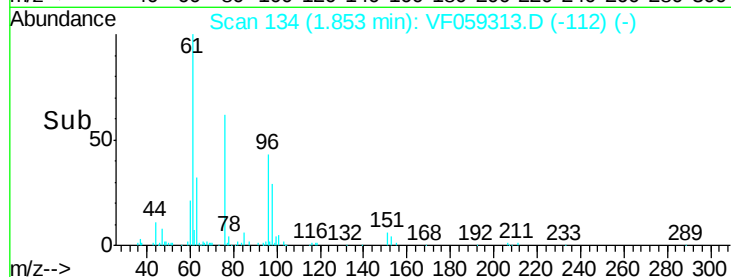
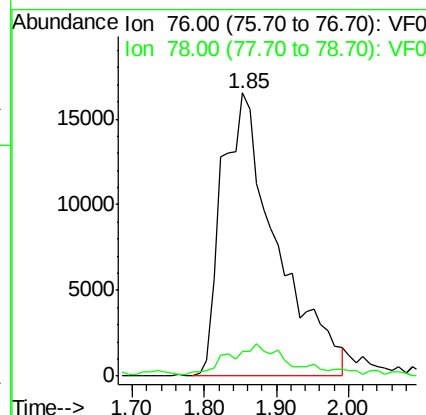
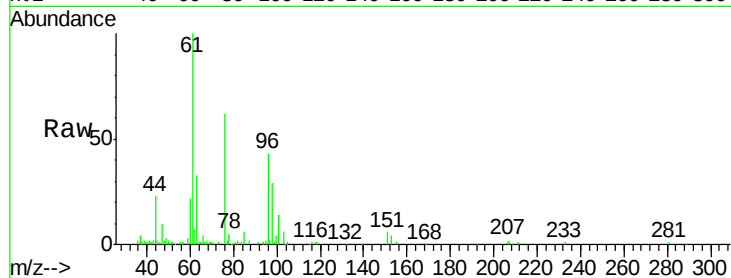
#17
Carbon Disulfide
Concen: 21.43 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	8.9	13.3

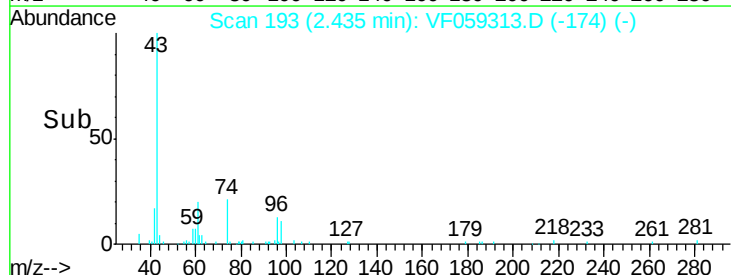
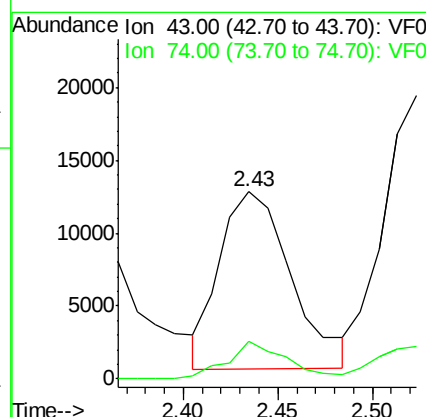
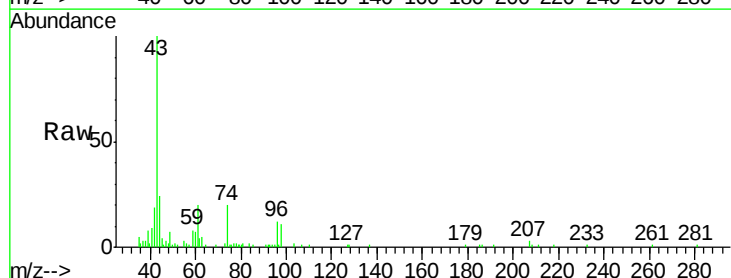
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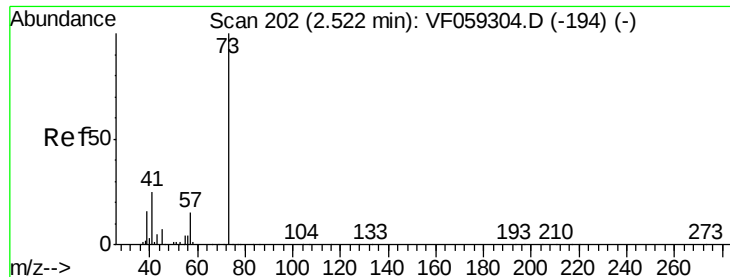
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#18
Methyl Acetate
Concen: 18.13 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	13.3	19.9#





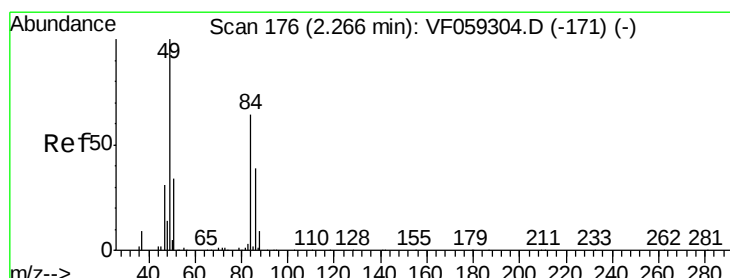
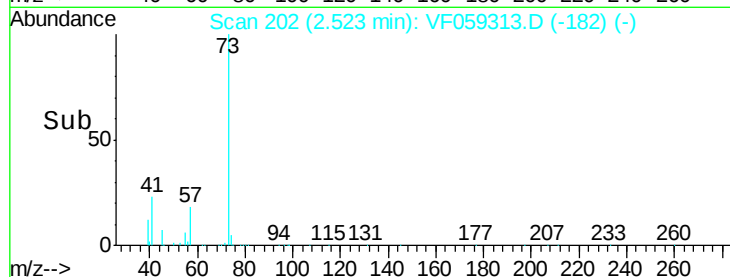
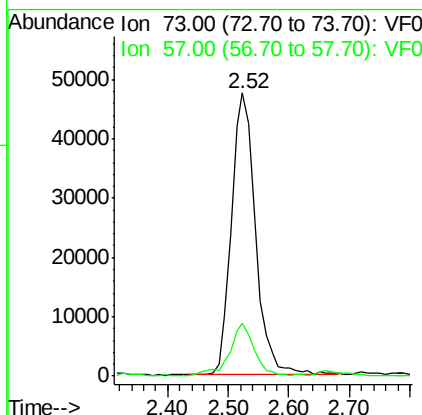
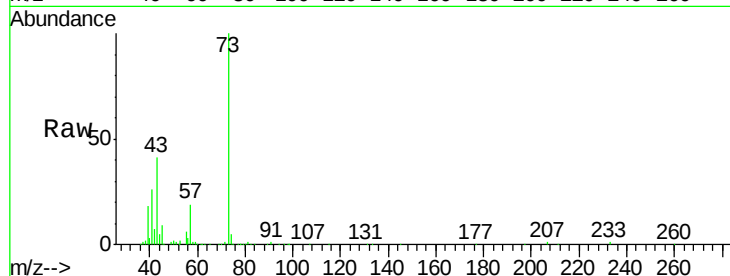
#19
Methyl tert-butyl Ether
Concen: 20.56 ug/l
RT: 2.52 min Scan# 202
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleID :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	12.3	18.5#

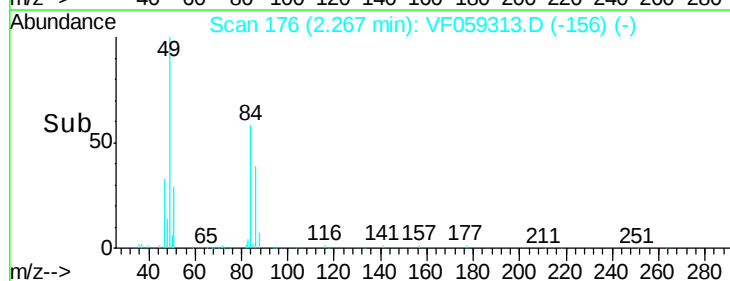
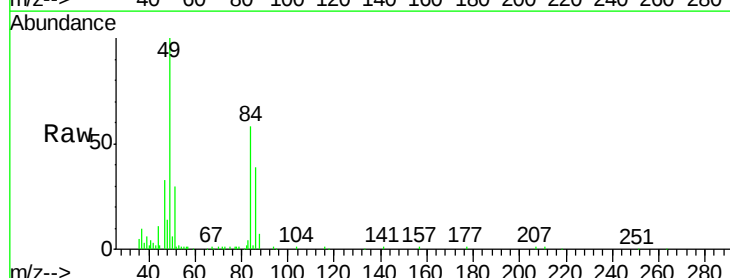
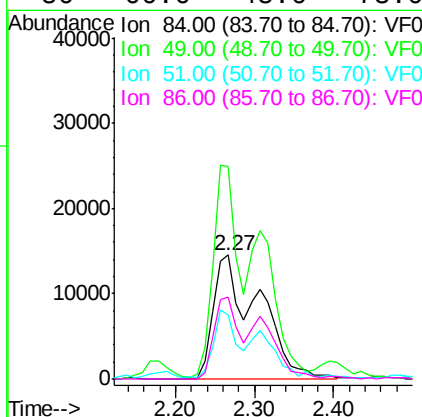
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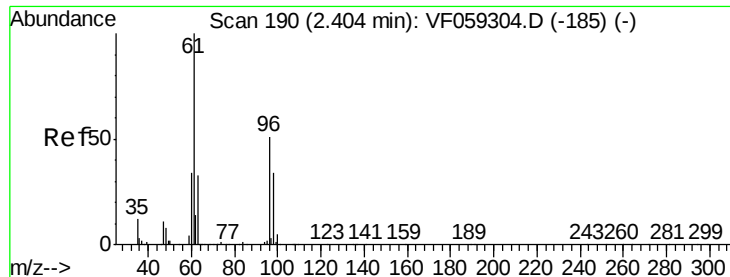
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#20
Methylene Chloride
Concen: 23.38 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	171.8	126.5	189.7
51	51.4	42.9	64.3
86	66.6	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 22.39 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

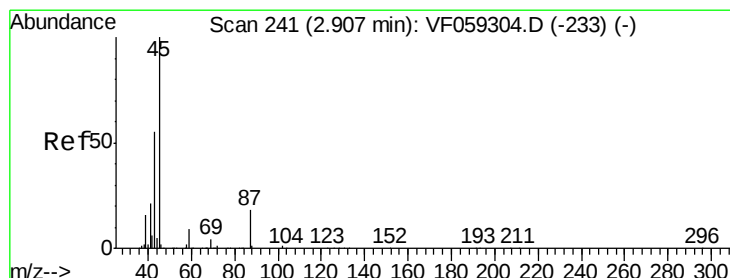
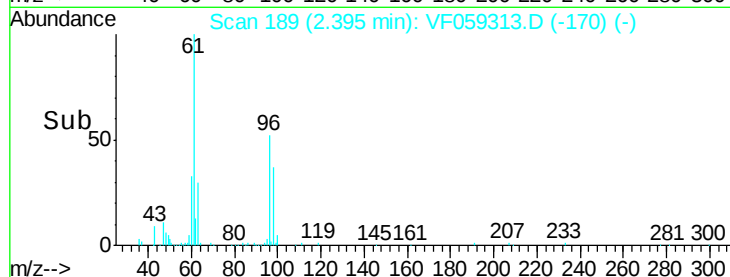
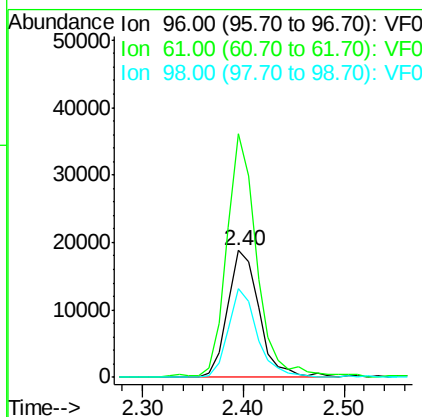
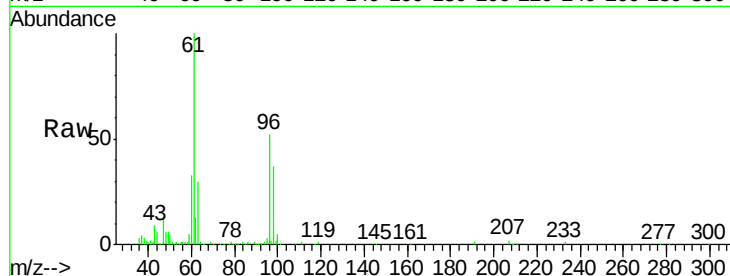
ClientSampleId :

VF0626SBSD01

Tot Ion:	96	Resp:	41144
Ion	Ratio	Lower	Upper
96	100		
61	191.9	157.4	236.2
98	70.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 20.99 ug/l

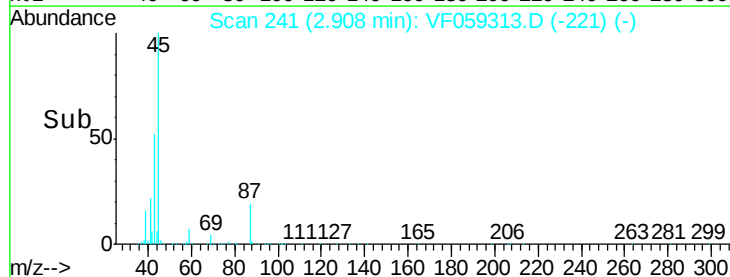
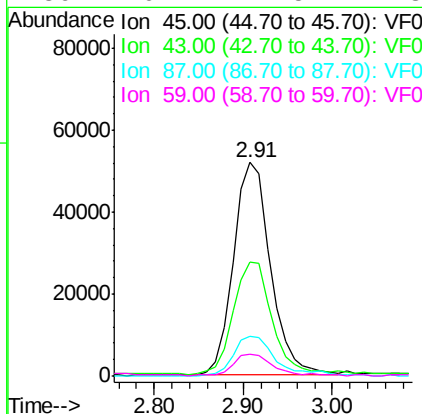
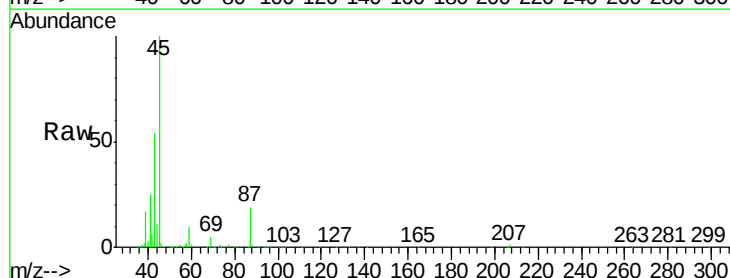
RT: 2.91 min Scan# 241

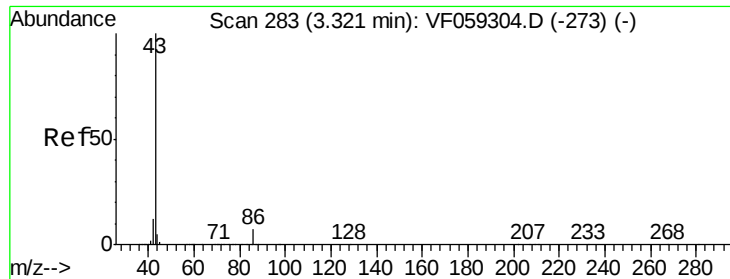
Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	45	Resp:	150294
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.6	66.8
87	18.7	14.3	21.5
59	10.2	7.5	11.3





#23

Vinyl Acetate

Concen: 109.54 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 43 Resp: 499602

Ion Ratio Lower Upper

43 100

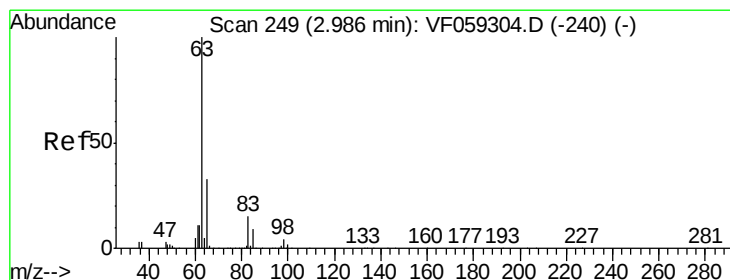
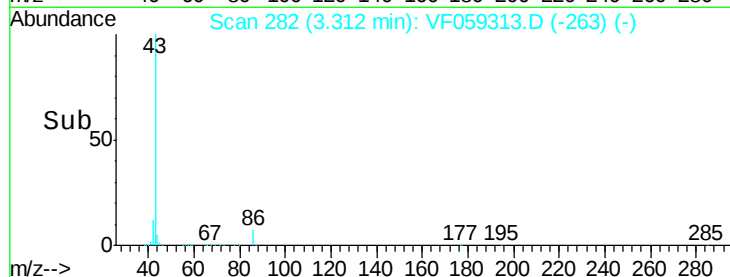
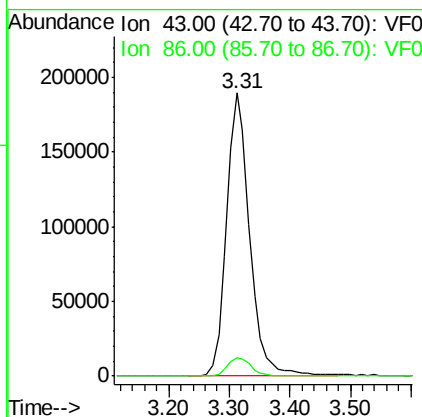
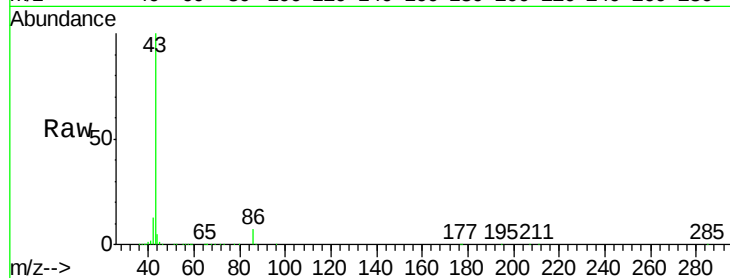
86 6.5 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 21.13 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

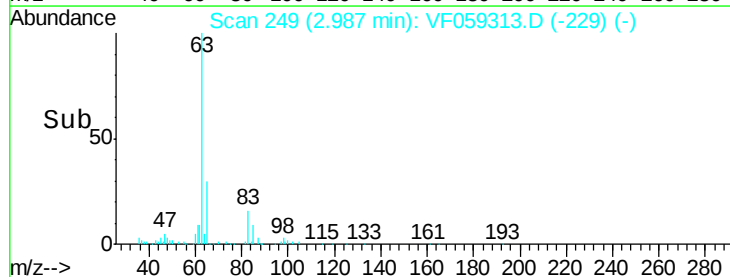
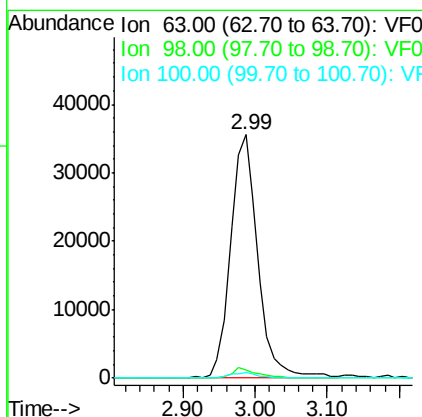
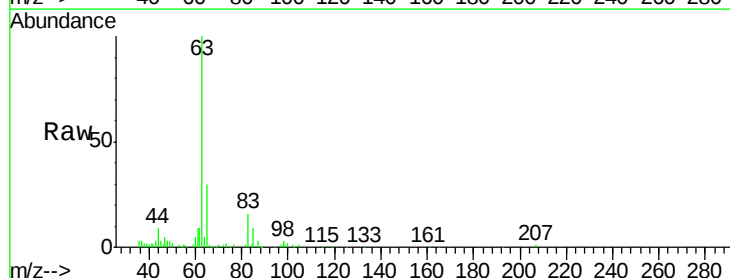
Tgt Ion: 63 Resp: 93805

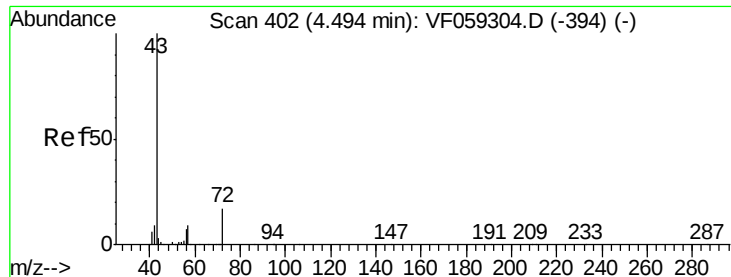
Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 2.3 1.3 3.9





#25

2-Butanone

Concen: 107.50 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tot Ion: 43 Resp: 124570

Ion Ratio Lower Upper

43 100

72 19.4 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

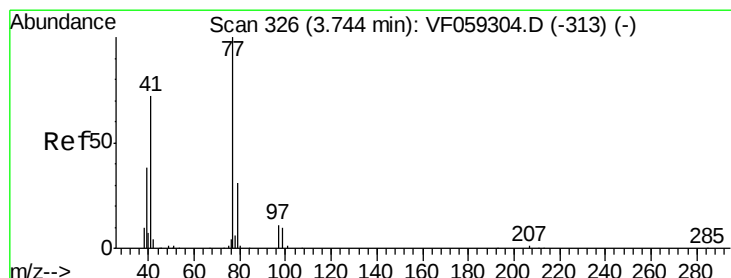
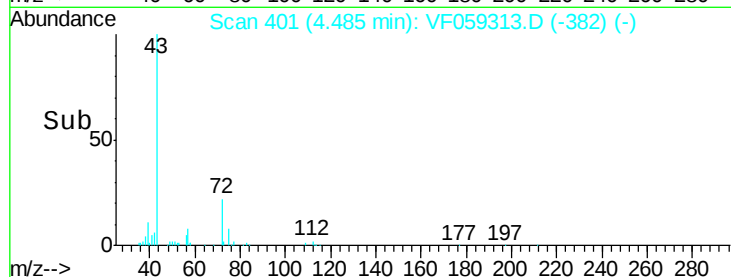
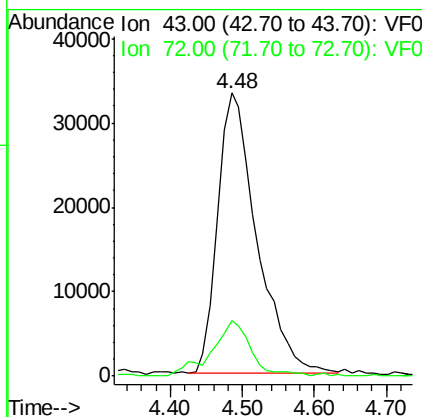
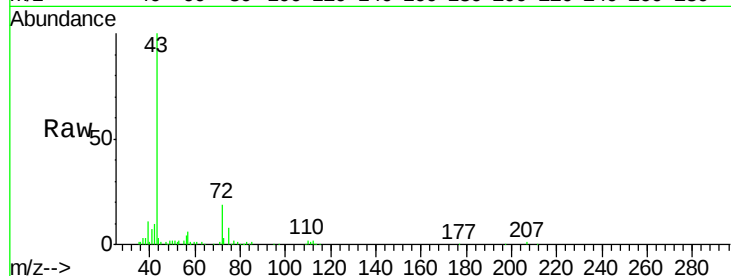
VF0626SBSD01

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#26

2,2-Dichloropropane

Concen: 24.23 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059313.D

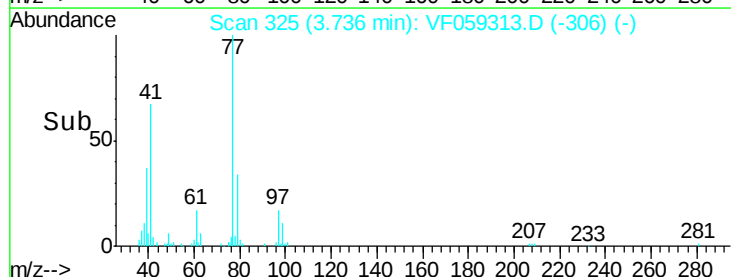
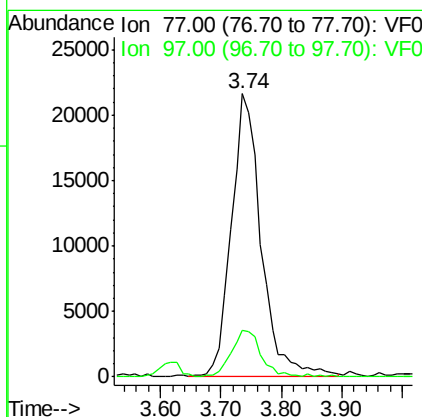
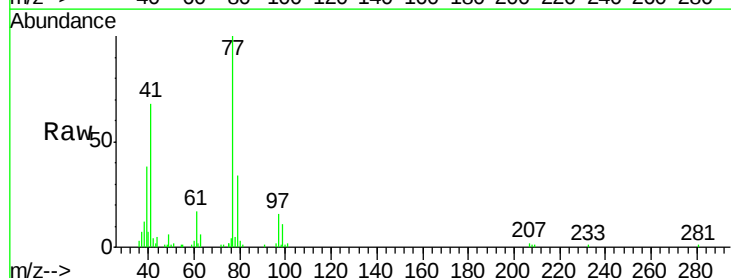
Acq: 26 Jun 2018 13:27

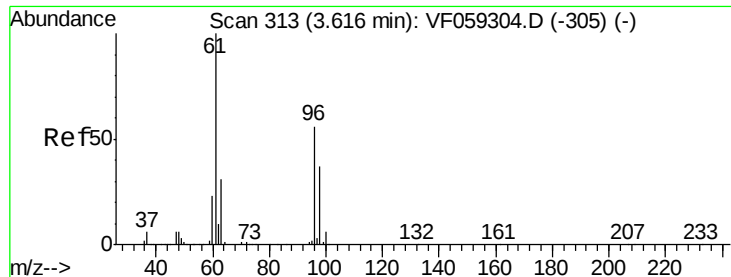
Tgt Ion: 77 Resp: 74212

Ion Ratio Lower Upper

77 100

97 16.4 8.0 23.8





#27

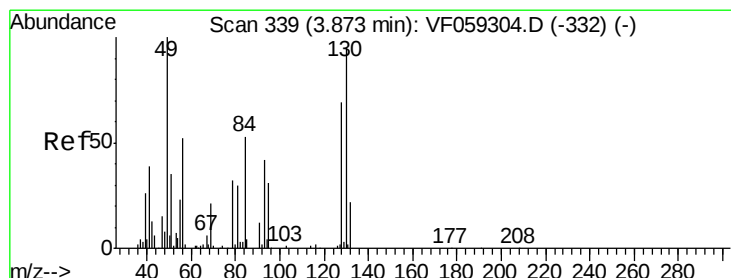
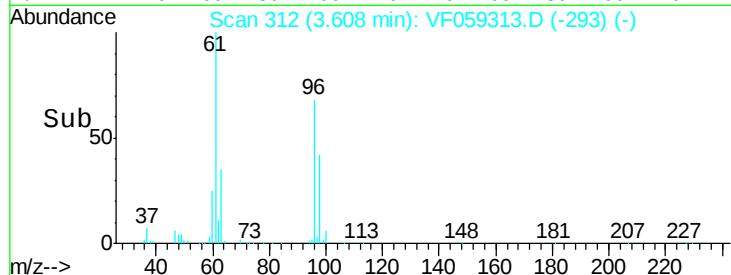
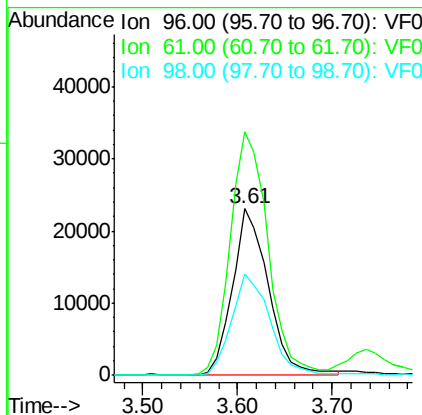
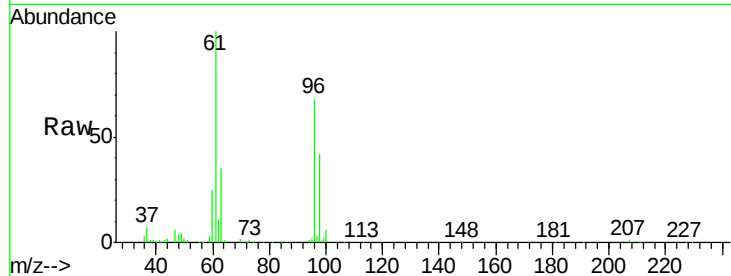
cis-1,2-Dichloroethene
Concen: 21.83 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		60901		
61	146.3	0.0	355.4		
98	61.1	0.0	131.0		

Manual Integrations
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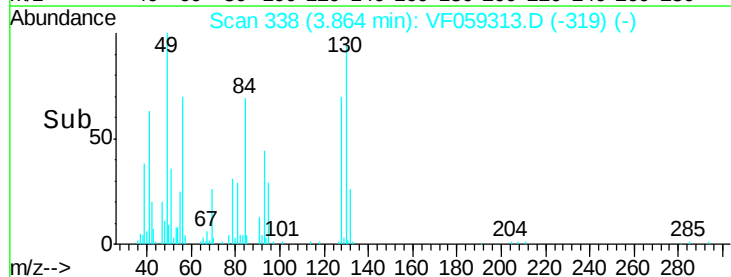
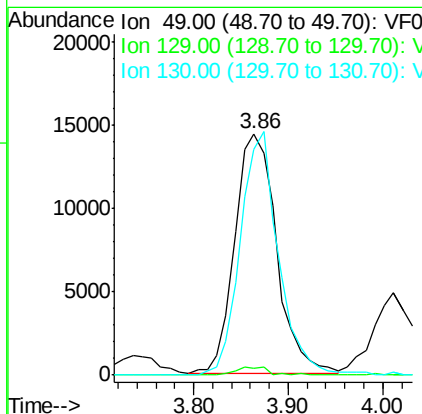
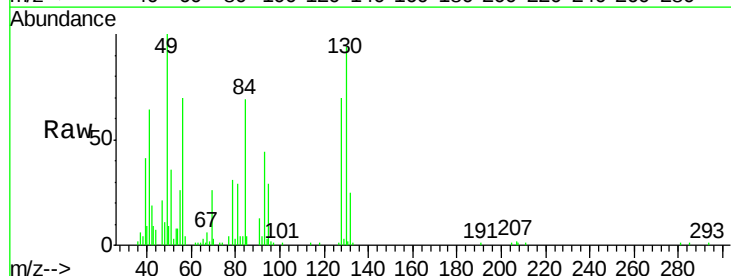
apatel
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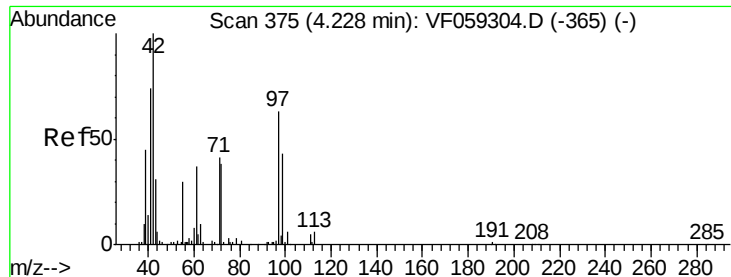


#28

Bromochloromethane
Concen: 23.53 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		43958		
129	2.6	0.0	6.4		
130	93.6	75.1	112.7		





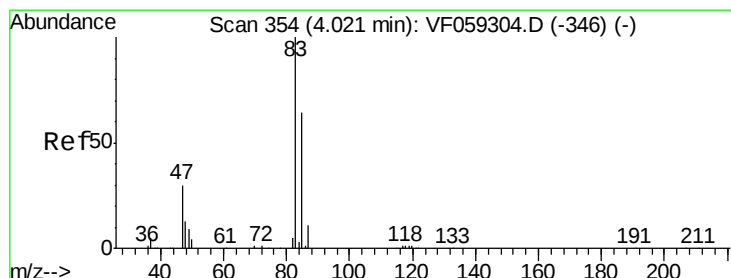
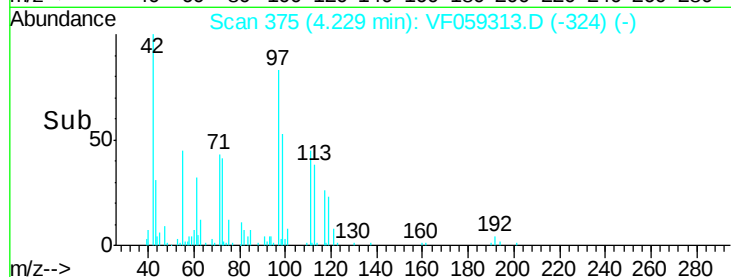
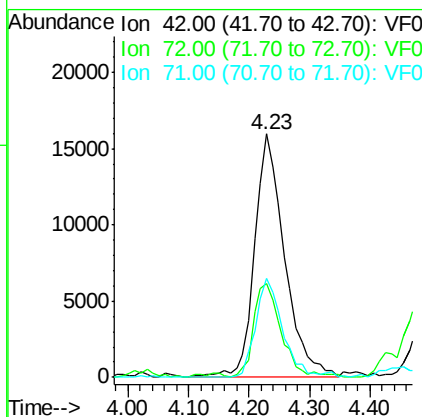
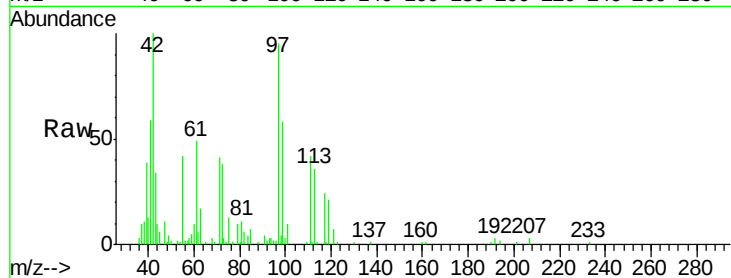
#29
Tetrahydrofuran
Concen: 108.78 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.5	45.7
71	36.3	32.5	48.7

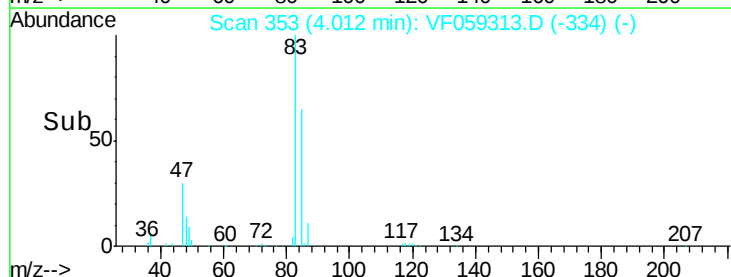
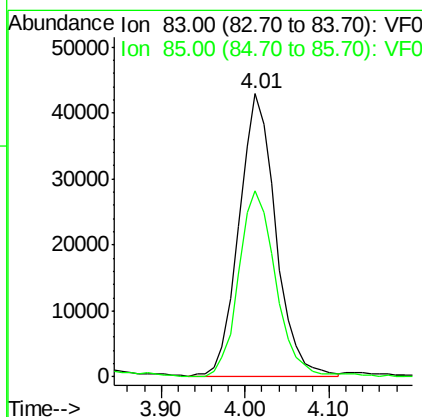
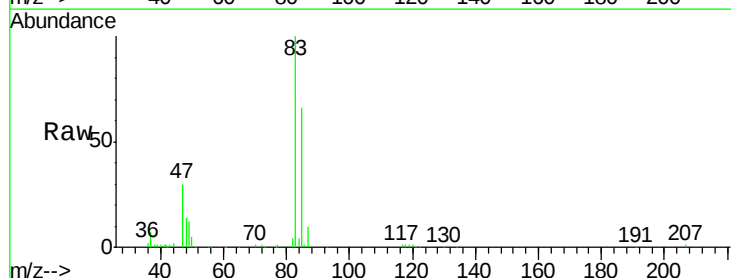
Manual Integrations
APPROVED

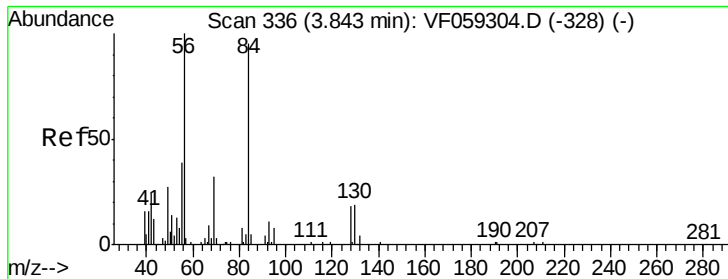
apatel
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#30
Chloroform
Concen: 20.44 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9





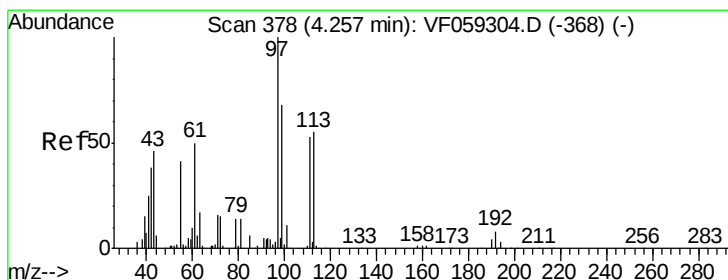
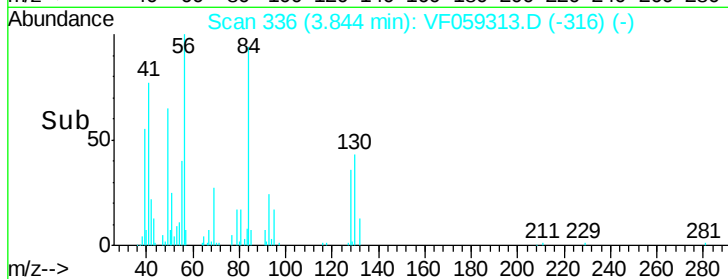
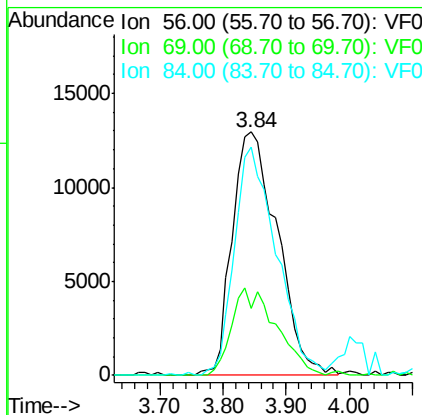
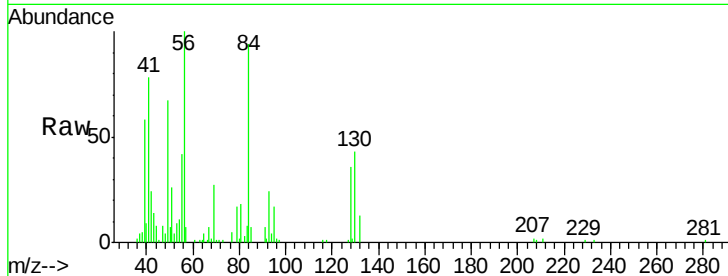
#31
Cyclohexane
Concen: 22.09 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.4	25.8	38.8
84	93.9	75.6	113.4

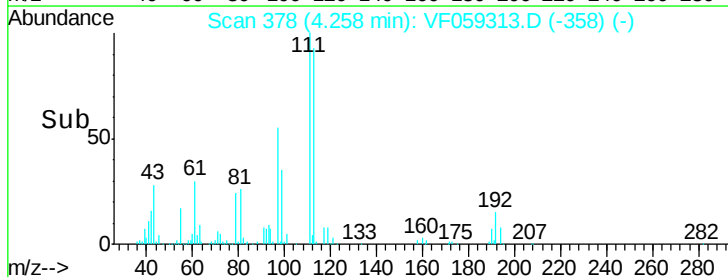
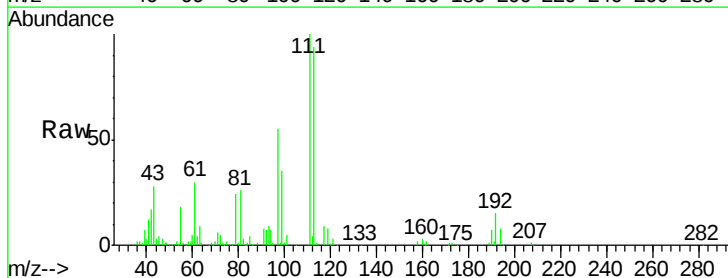
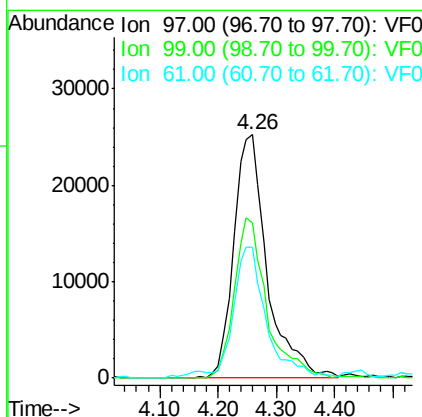
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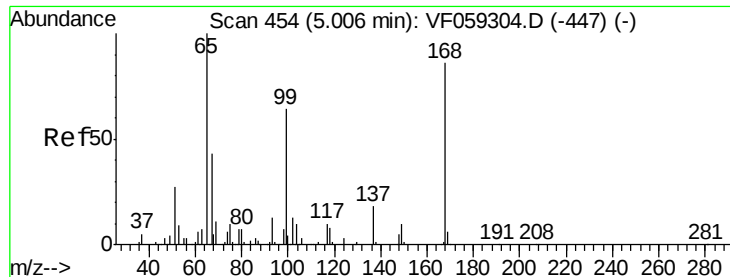
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.41 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	54.1	81.1
61	53.8	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 46.91 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059313.D

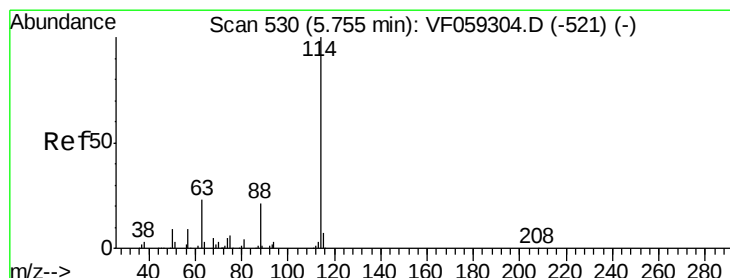
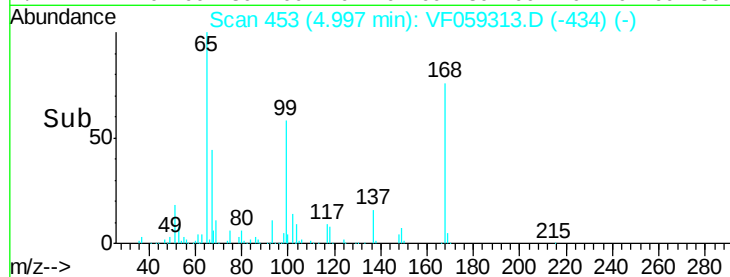
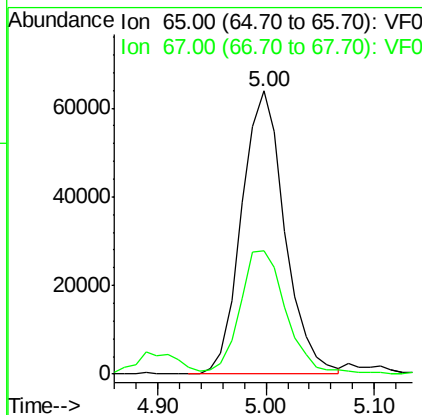
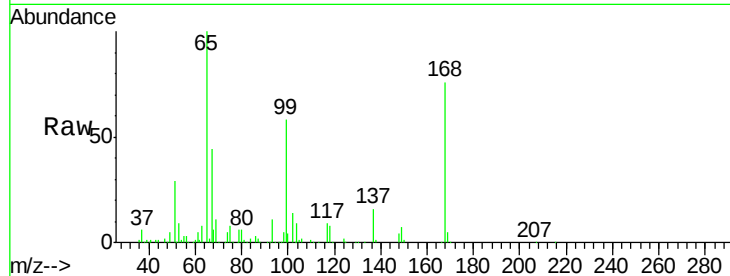
Acq: 26 Jun 2018 13:27

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177116		
67	43.7	0.0	96.8	

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

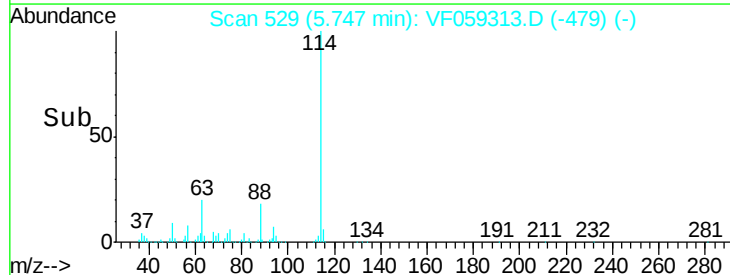
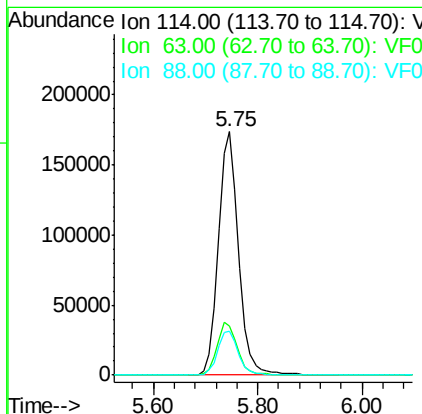
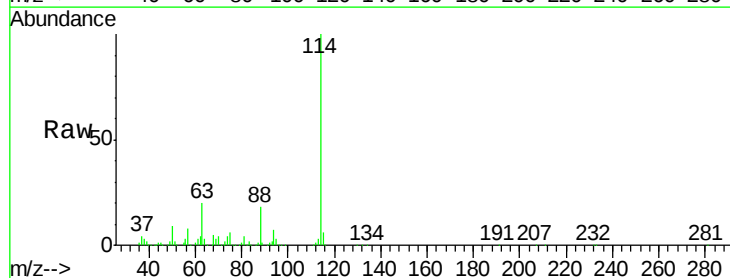
RT: 5.75 min Scan# 529

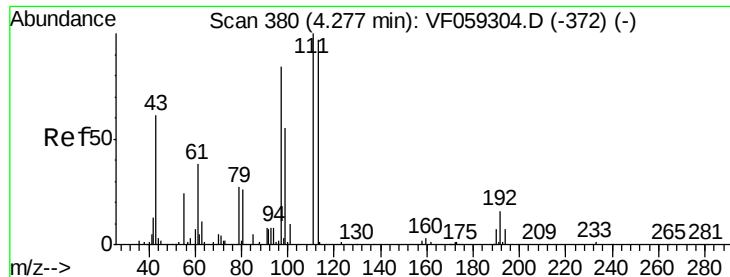
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	464847		
63	20.2	0.0	45.8	
88	18.2	0.0	41.2	





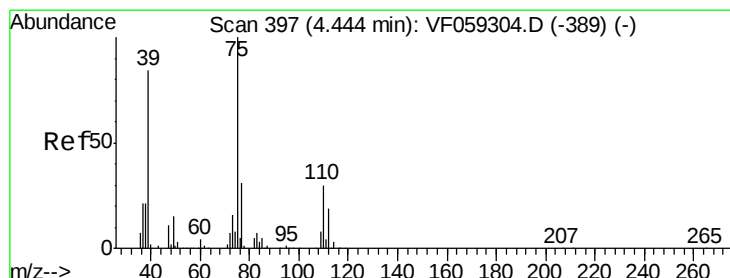
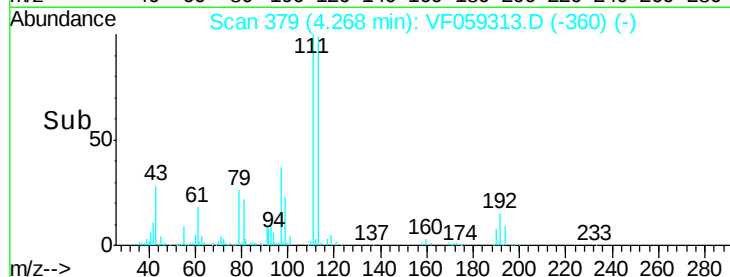
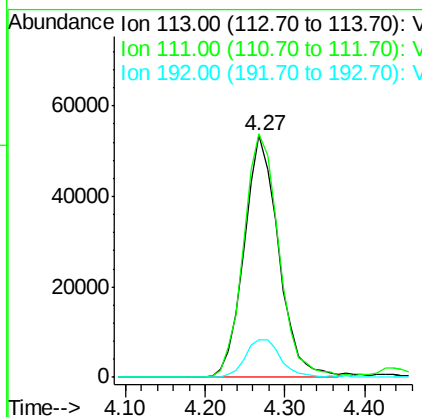
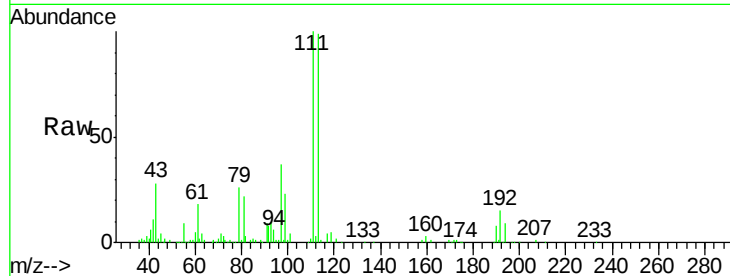
#35
 Dibromofluoromethane
 Concen: 46.86 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159160		
111	100.5	82.1	123.1	
192	15.4	13.0	19.6	

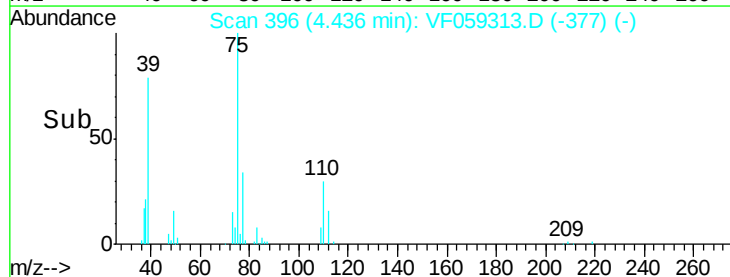
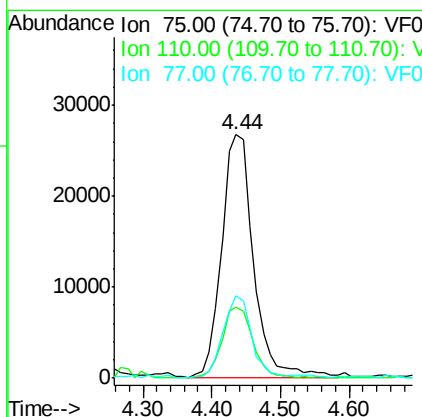
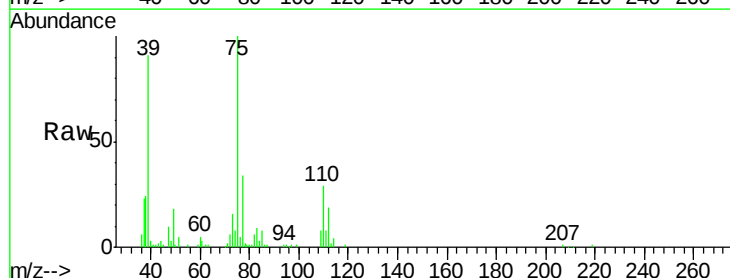
Manual Integrations
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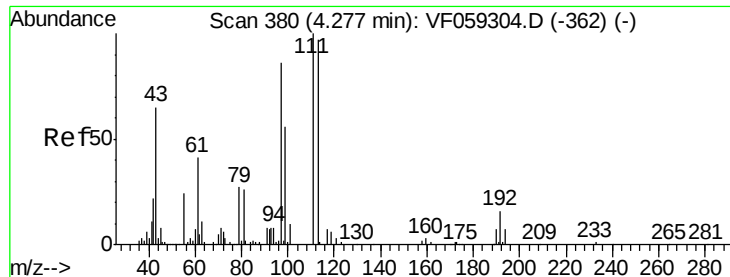
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#36
 1,1-Dichloropropene
 Concen: 21.32 ug/l
 RT: 4.44 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86594		
110	28.9	14.8	44.4	
77	33.6	25.2	37.8	





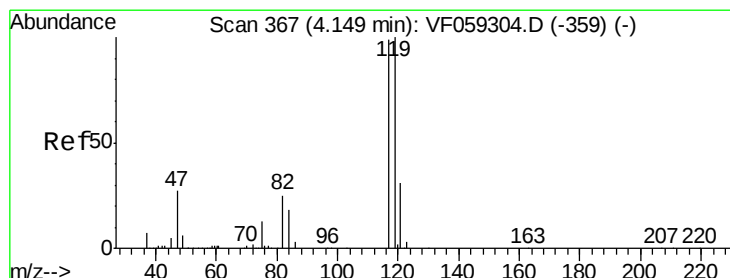
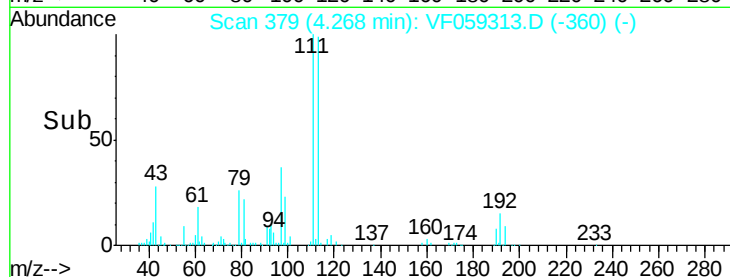
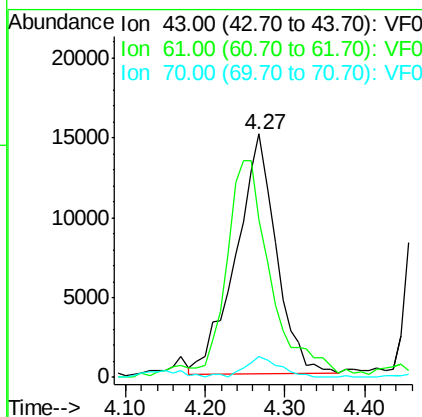
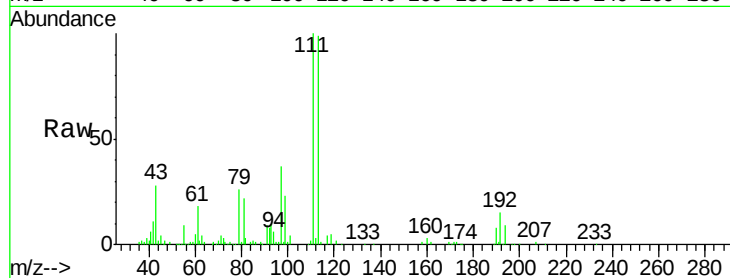
#37
Ethyl Acetate
Concen: 19.43 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	64.6	50.1	75.1	
70	8.5	6.2	9.4	

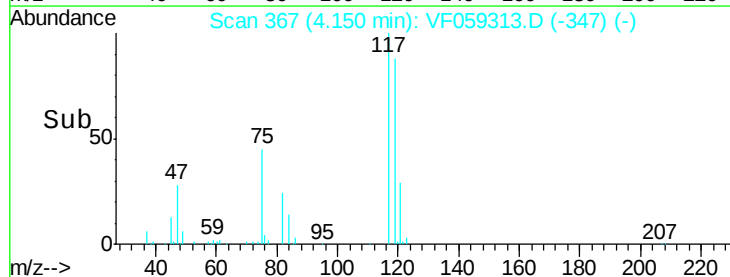
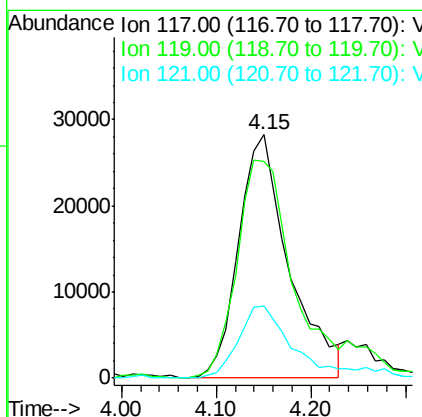
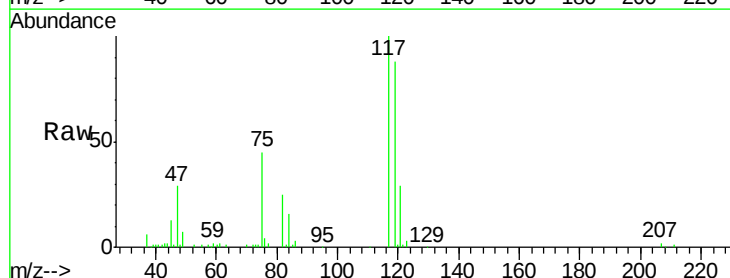
Manual Integrations
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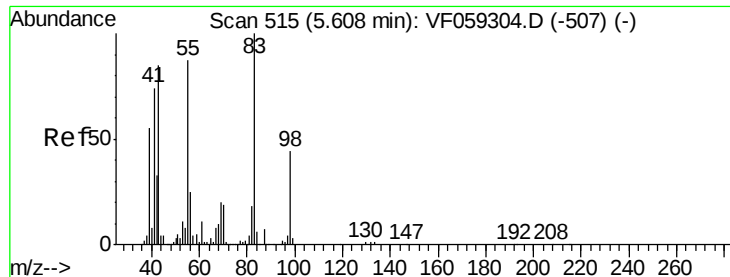
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#38
Carbon Tetrachloride
Concen: 20.42 ug/l
RT: 4.15 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	89.0	81.0	121.4	
121	29.8	24.7	37.1	





#39

Methvlcvclohexane

Concen: 21.59 ug/l

RT: 5.60 min Scan# 514

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

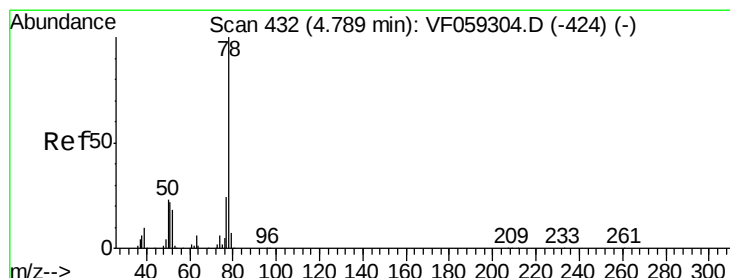
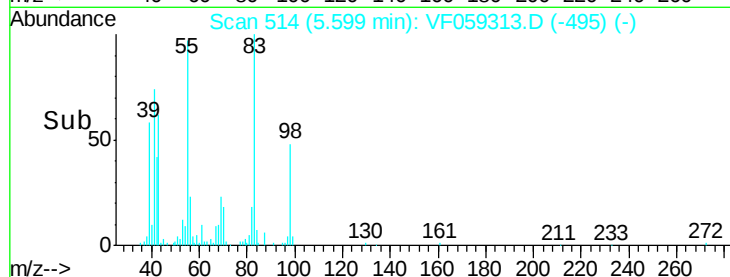
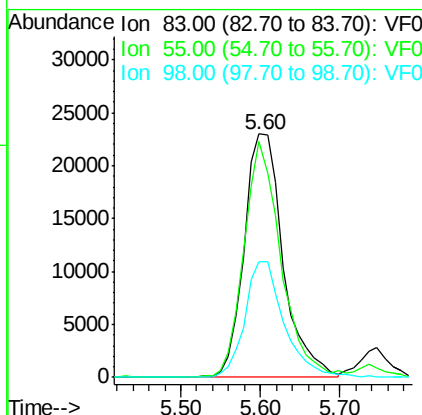
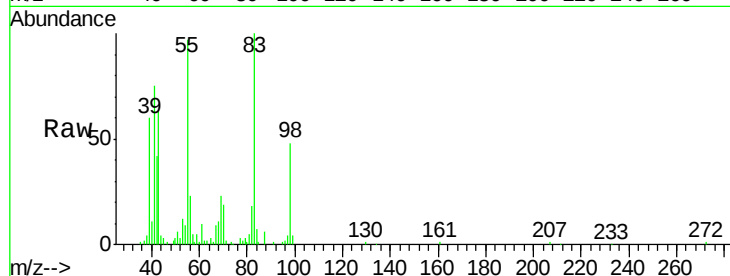
ClientSampleId :

VF0626SBSD01

Tot Ion:	83	Resp:	77690
Ion	Ratio	Lower	Upper
83	100		
55	97.1	69.2	103.8
98	47.5	35.0	52.6

Manual Integrations
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#40

Benzene

Concen: 20.90 ug/l

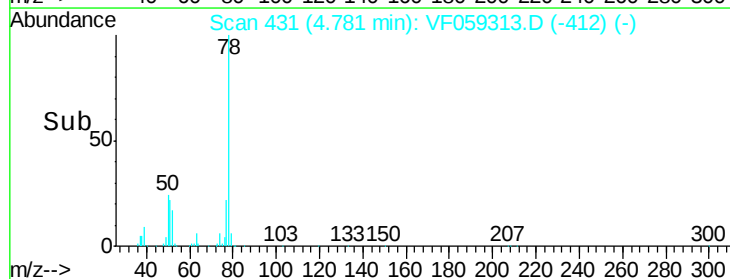
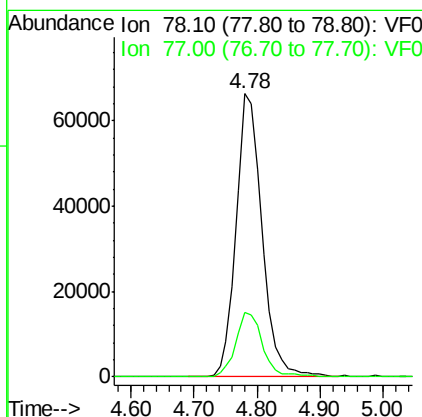
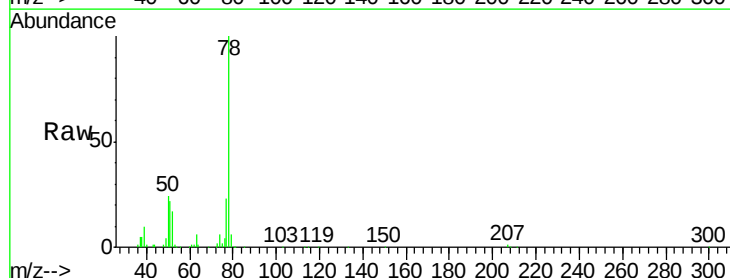
RT: 4.78 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	78	Resp:	188220
Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.6	29.4





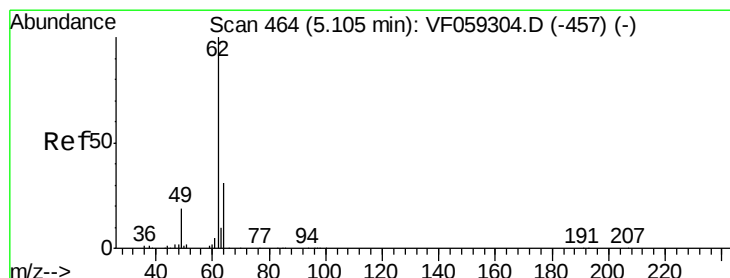
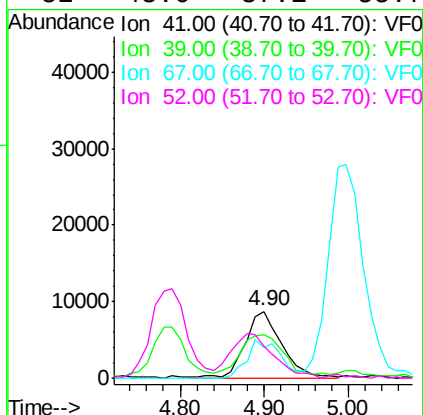
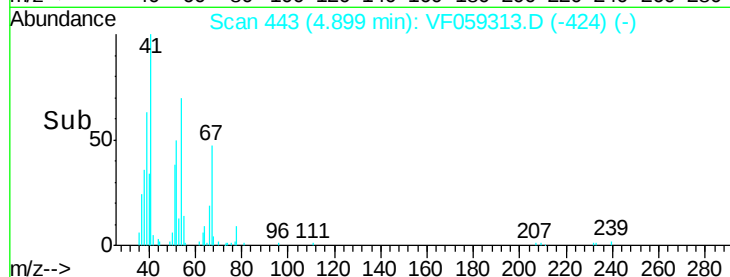
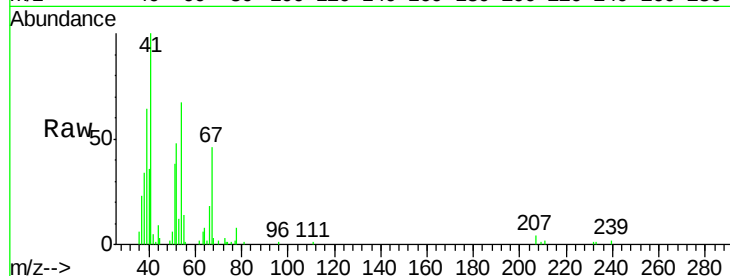
#41
Methacrylonitrile
Concen: 19.45 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.9	50.0	75.0	
67	45.9	37.0	55.6	
52	48.0	37.1	55.7	

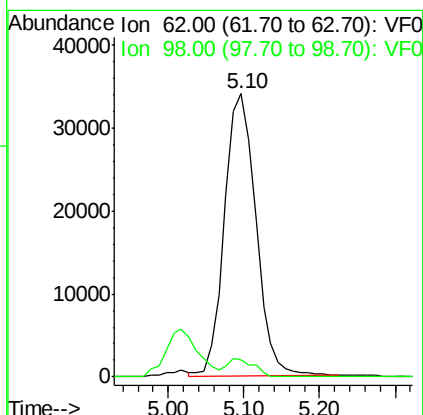
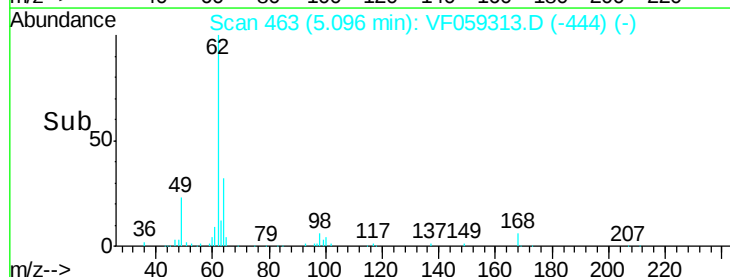
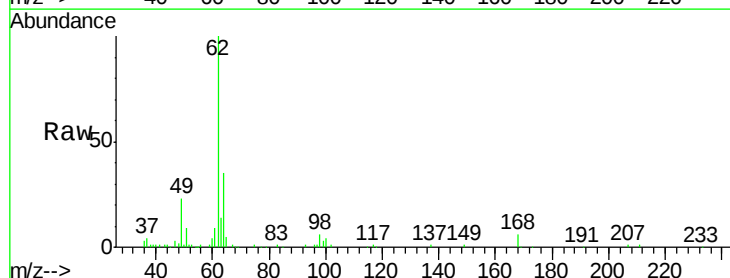
Manual Integrations
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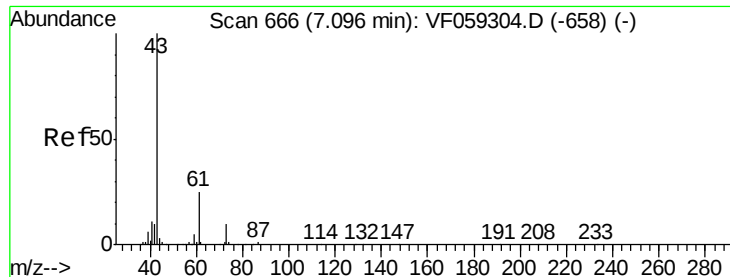
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#42
1,2-Dichloroethane
Concen: 18.70 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.9	0.0	11.4	





#43

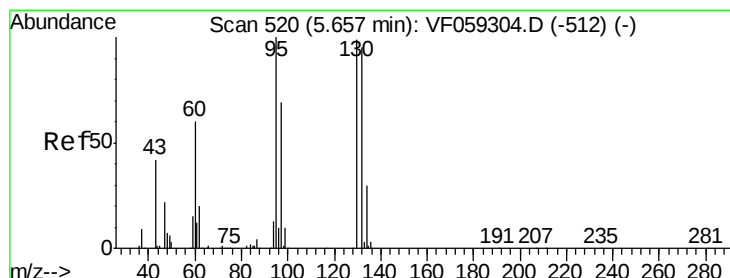
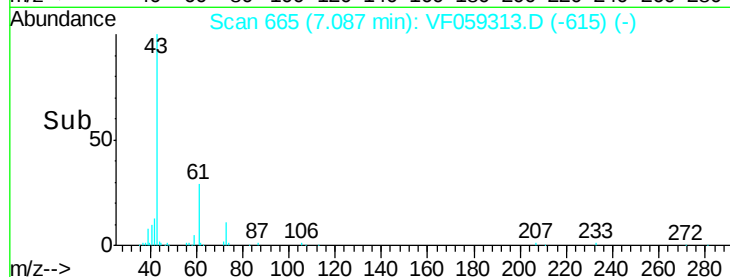
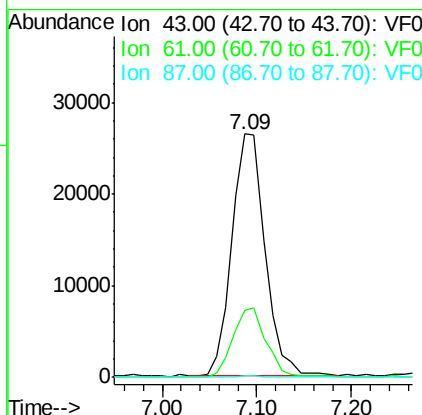
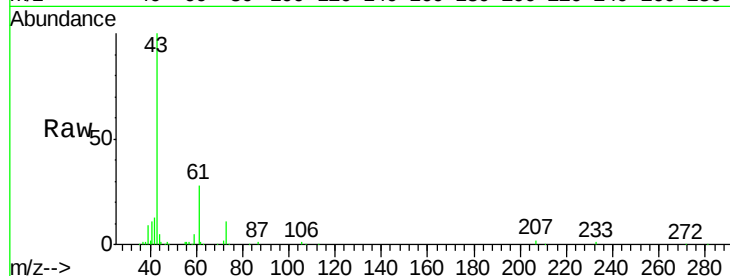
Isopropyl Acetate
 Concen: 19.06 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	19.7	29.5
87	0.8	0.5	0.7

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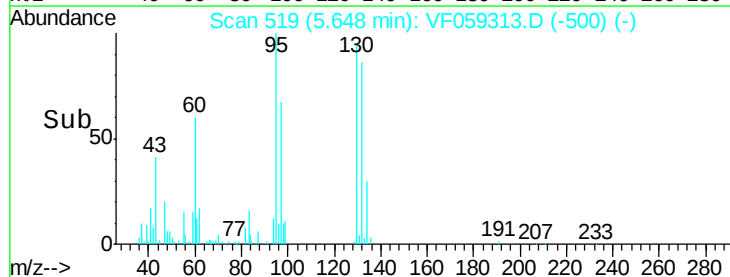
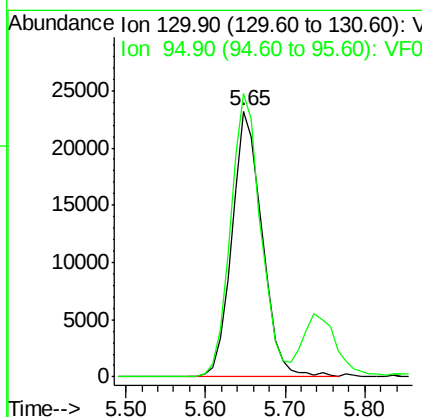
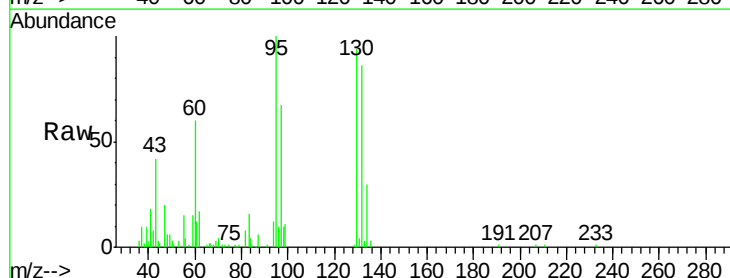
apatel
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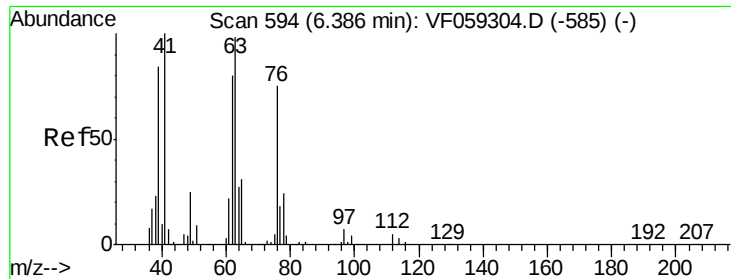


#44

Trichloroethene
 Concen: 19.83 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.61 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 63 Resp: 55600

Ion Ratio Lower Upper

63 100

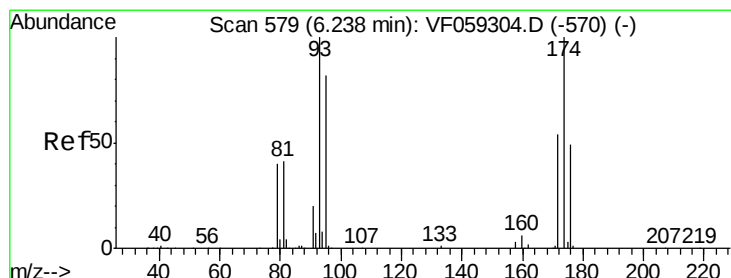
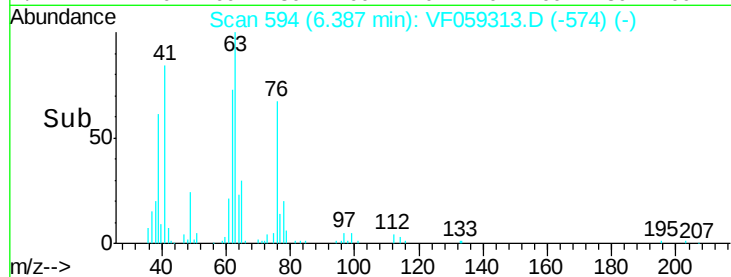
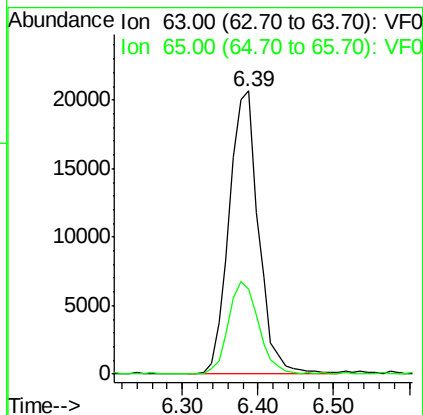
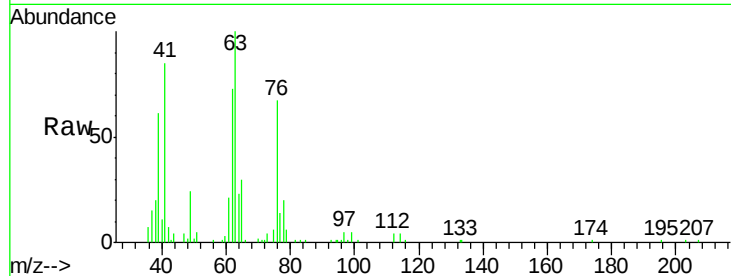
65 30.1 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 21.32 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

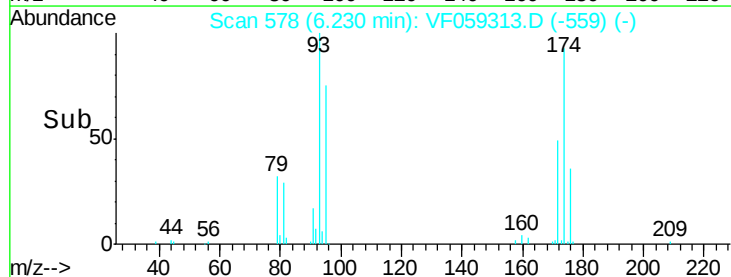
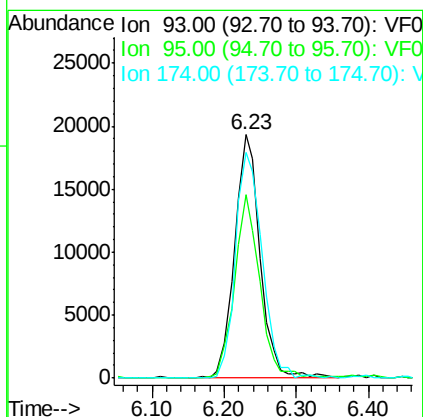
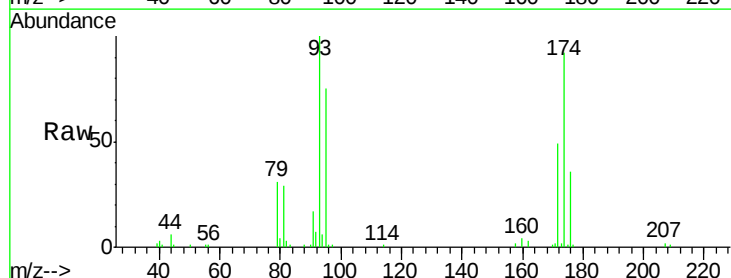
Tgt Ion: 93 Resp: 47607

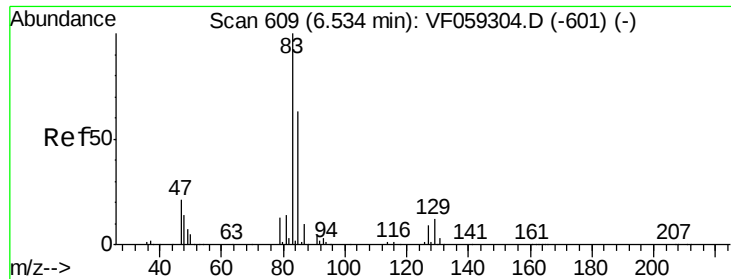
Ion Ratio Lower Upper

93 100

95 75.2 65.6 98.4

174 92.5 80.0 120.0





#47

Bromodichloromethane

Concen: 20.72 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

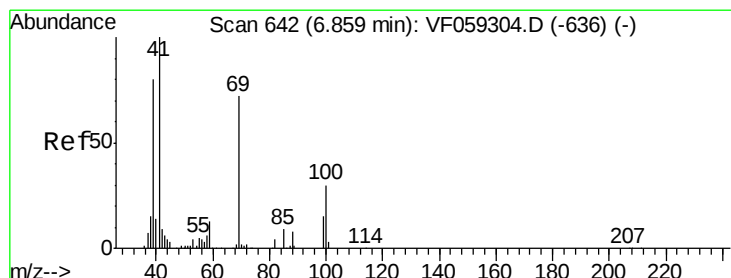
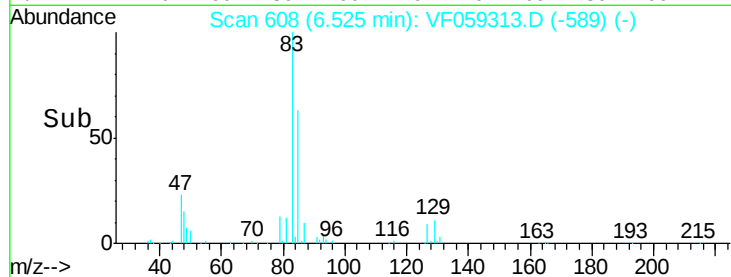
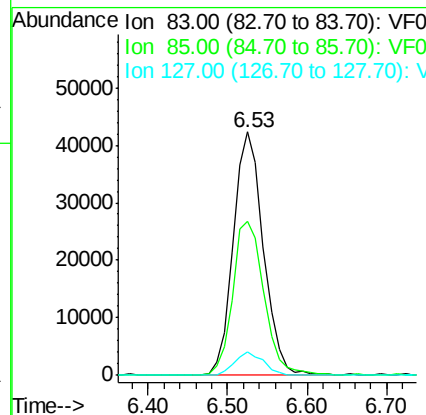
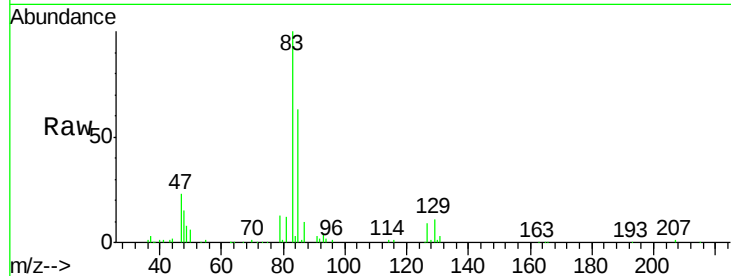
ClientSampleId :

VF0626SBSD01

Tot Ion:	83	Resp:	111986
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.2
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.85 ug/l

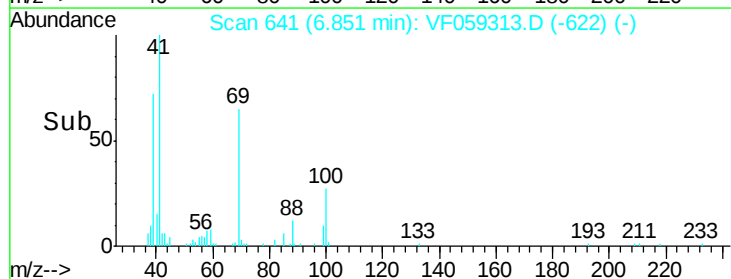
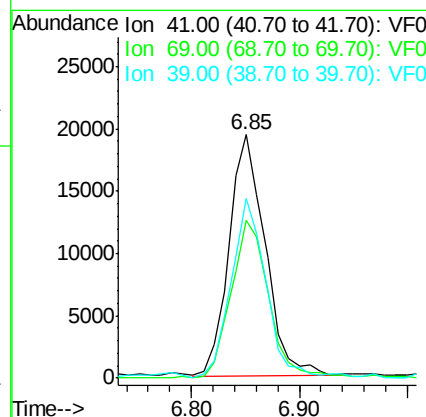
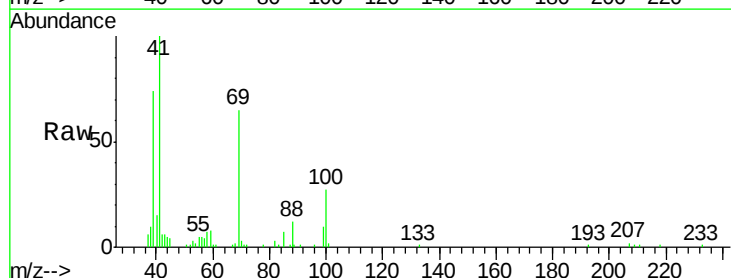
RT: 6.85 min Scan# 641

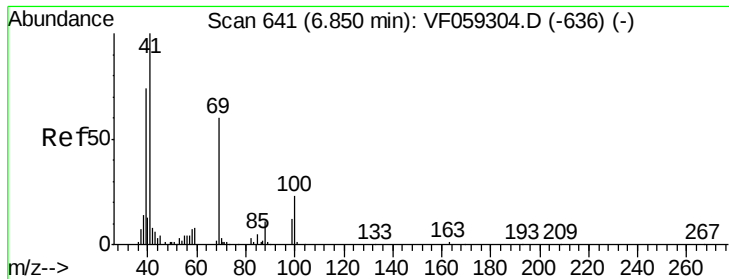
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	41	Resp:	45003
Ion	Ratio	Lower	Upper
41	100		
69	64.9	57.3	85.9
39	73.7	64.4	96.6





#49

1,4-Dioxane

Concen: 457.59 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

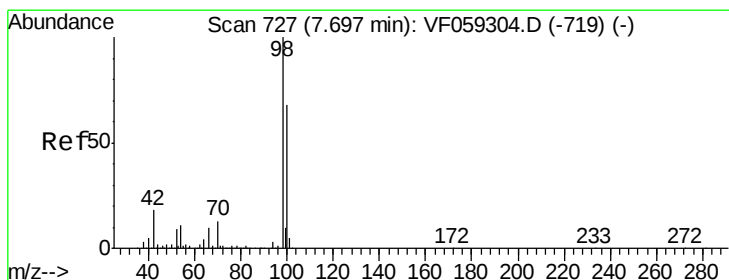
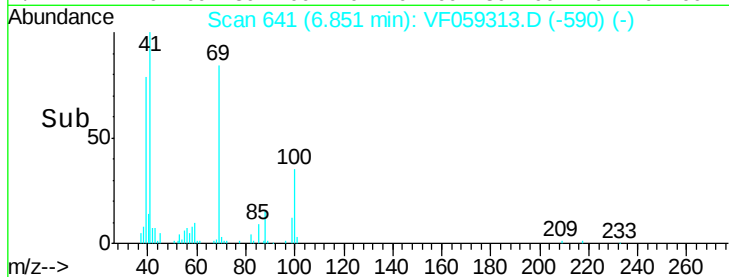
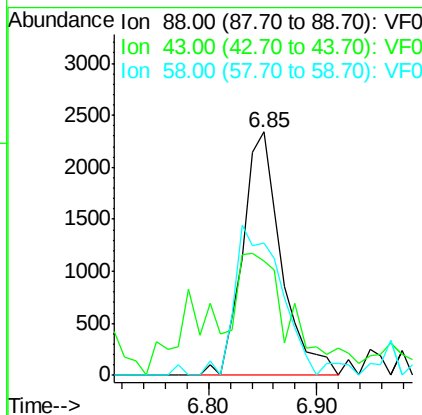
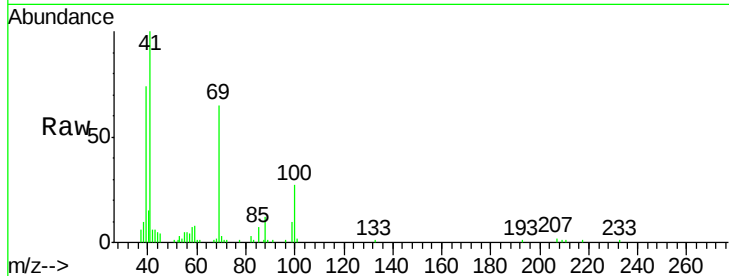
ClientSampleId :

VF0626SBSD01

Tot Ion	88	Resp	5814
Ion	Ratio	Lower	Upper
88	100		
43	46.9	50.6	75.8#
58	54.4	46.6	69.8

Manual Integrations
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#50

Toluene-d8

Concen: 49.35 ug/l

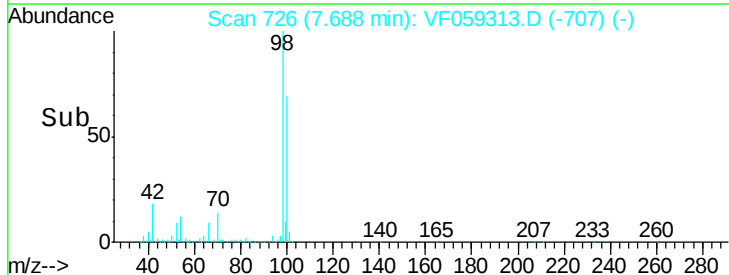
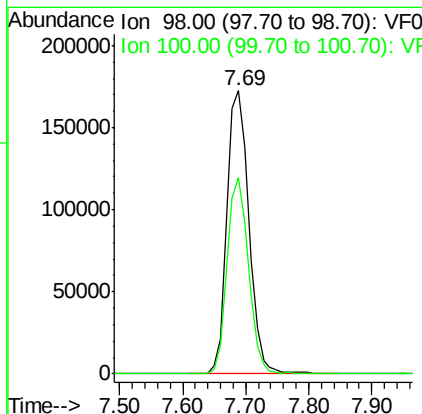
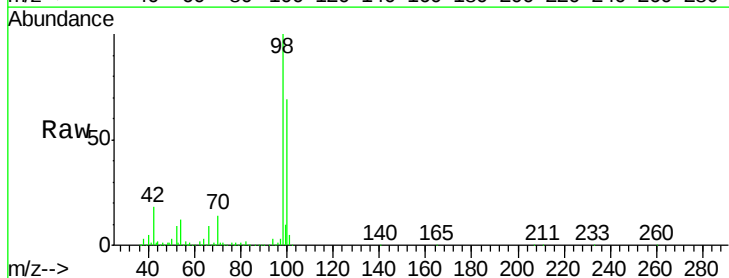
RT: 7.69 min Scan# 726

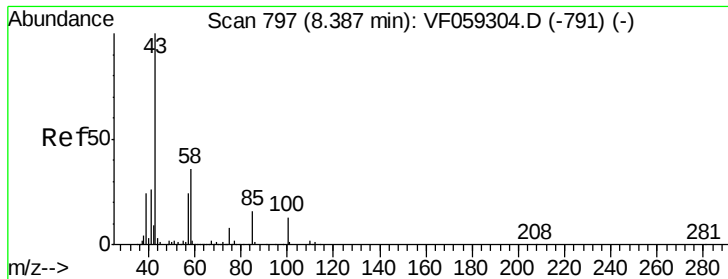
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion	98	Resp	414963
Ion	Ratio	Lower	Upper
98	100		
100	69.3	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 100.37 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 43 Resp: 251505

Ion Ratio Lower Upper

43 100

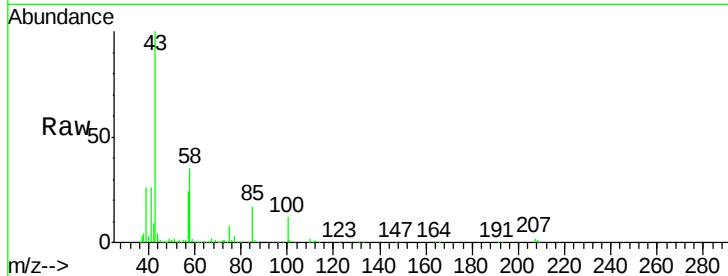
58 35.4 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

120000

100000

80000

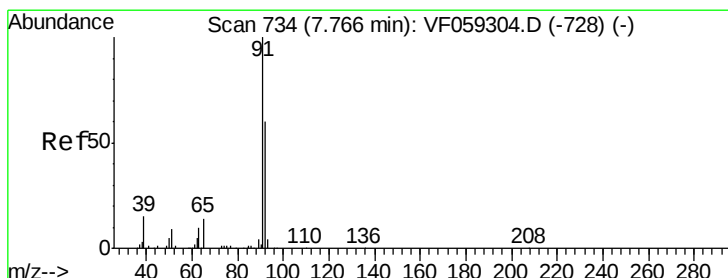
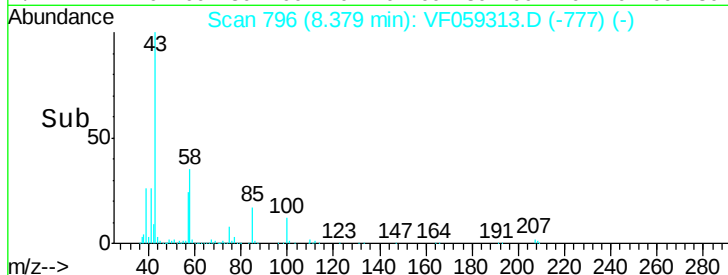
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 19.68 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059313.D

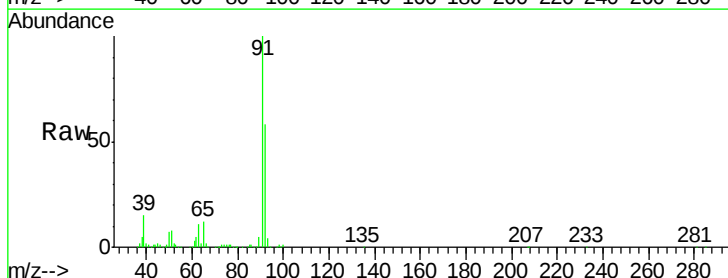
Acq: 26 Jun 2018 13:27

Tgt Ion: 92 Resp: 132563

Ion Ratio Lower Upper

92 100

91 172.2 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

120000

100000

80000

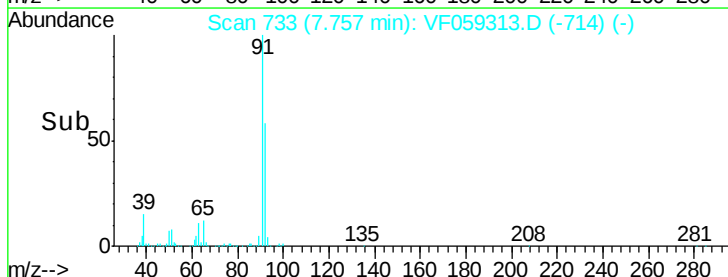
60000

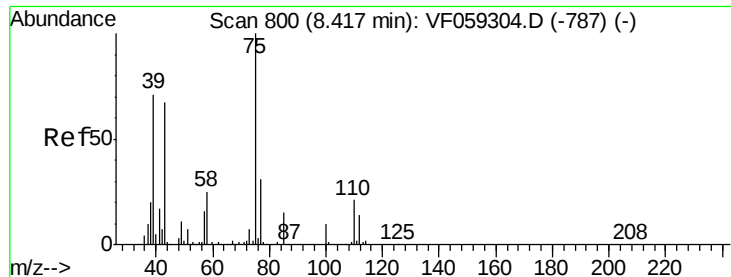
40000

20000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 21.77 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tot Ion: 75 Resp: 107226

Ion Ratio Lower Upper

75 100

77 29.8 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

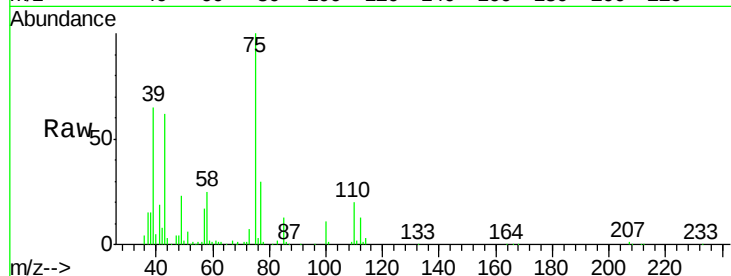
VF0626SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

50000

40000

30000

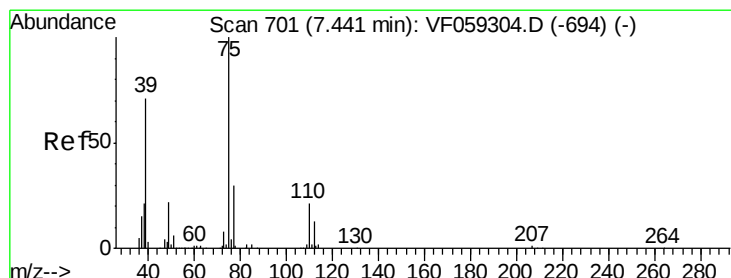
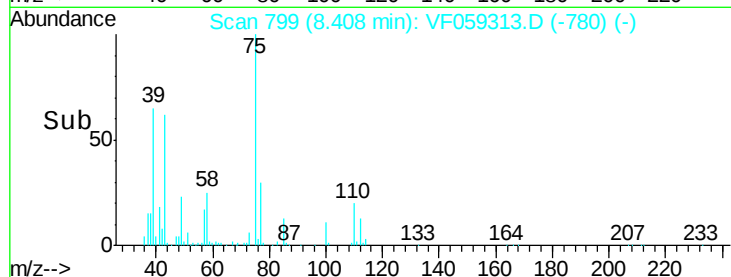
20000

10000

0

8.20 8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

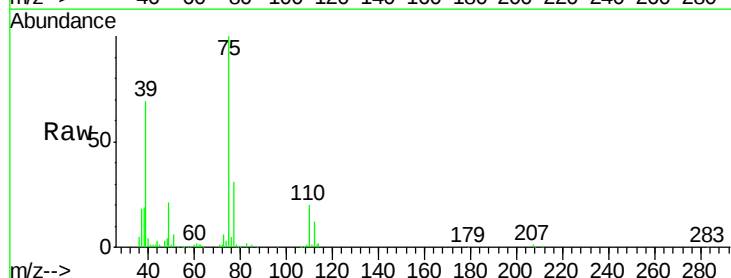
Tgt Ion: 75 Resp: 113070

Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

39 68.7 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

7.43

60000

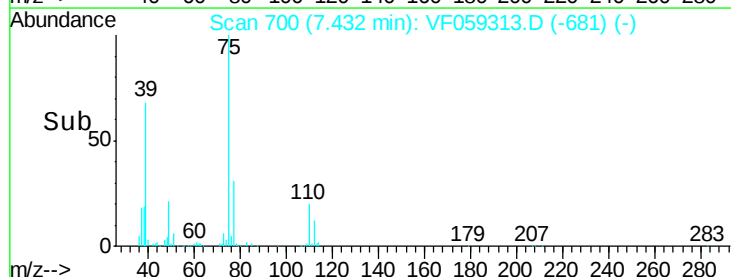
40000

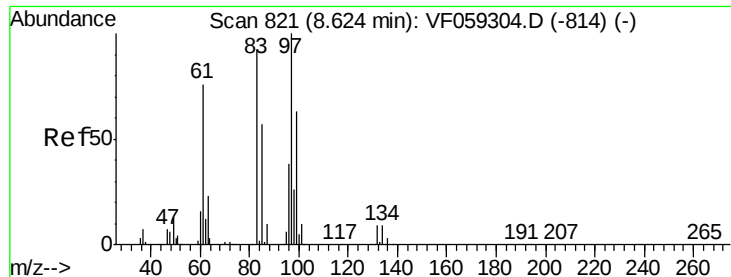
20000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.25 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

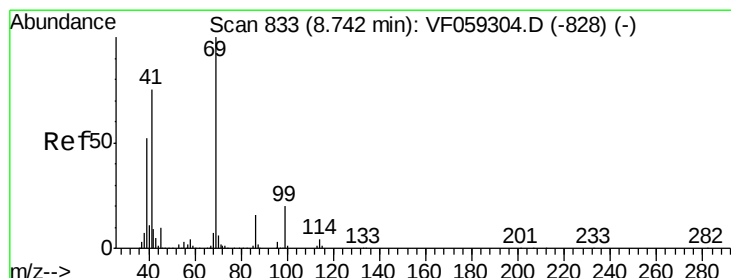
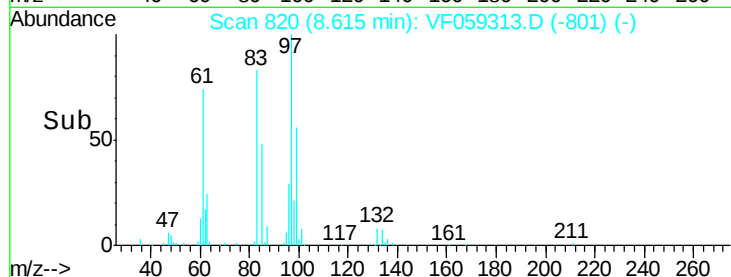
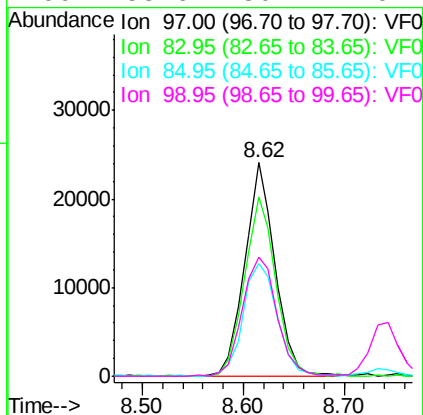
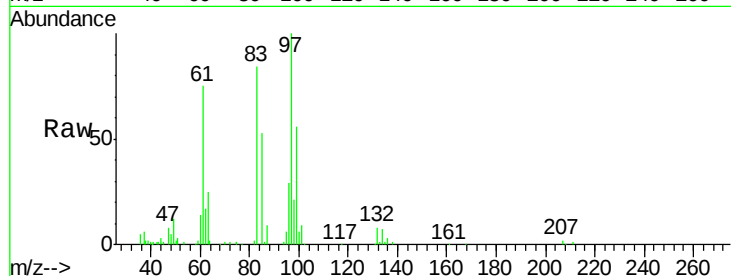
ClientSampleId :

VF0626SBS01

Tot Ion:	97	Resp:	50347
Ion	Ratio	Lower	Upper
97	100		
83	83.7	73.8	110.8
85	52.7	45.5	68.3
99	55.6	50.7	76.1

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#56

Ethyl methacrylate

Concen: 19.46 ug/l

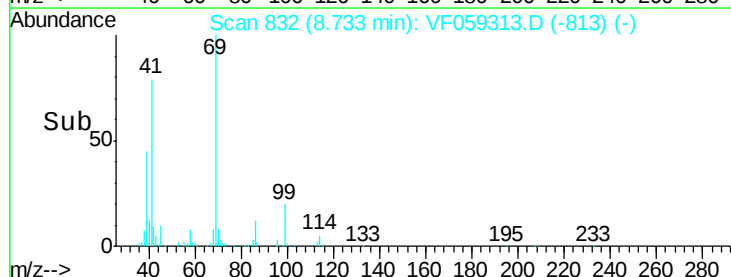
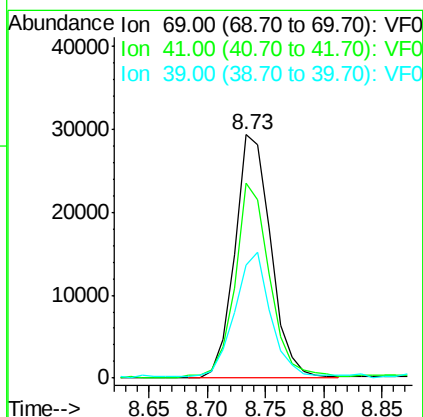
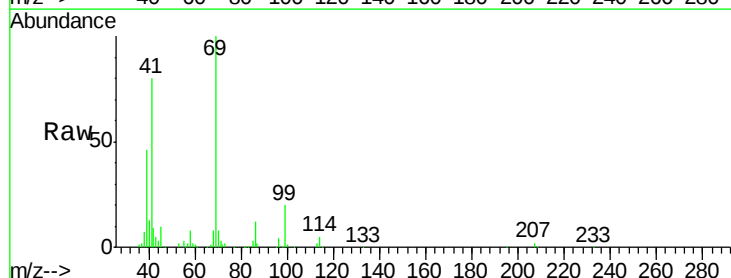
RT: 8.73 min Scan# 832

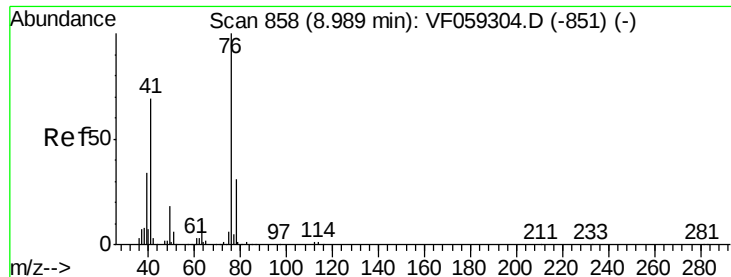
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	69	Resp:	63048
Ion	Ratio	Lower	Upper
69	100		
41	79.9	60.3	90.5
39	46.3	42.2	63.4





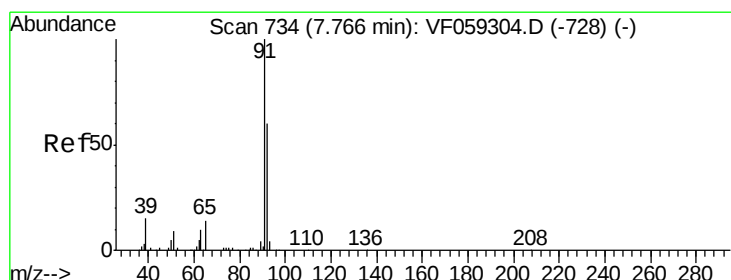
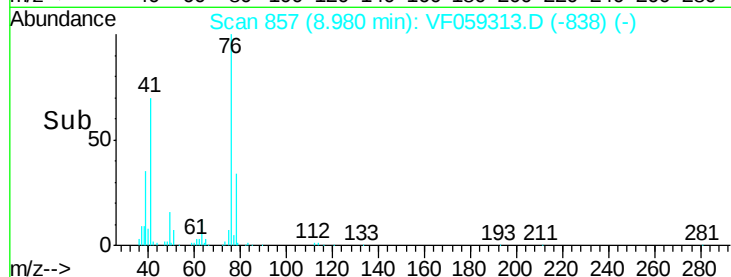
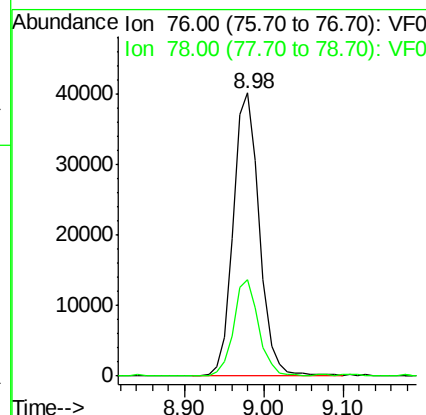
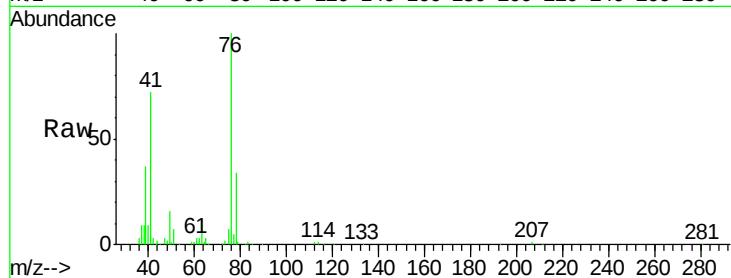
#57
 1,3-Dichloropropane
 Concen: 20.57 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	24.9	37.3

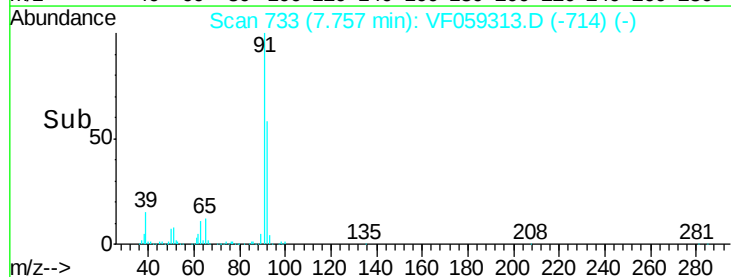
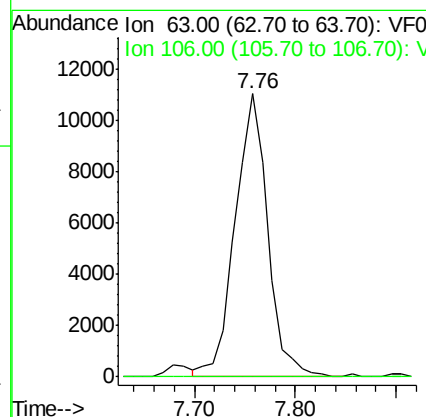
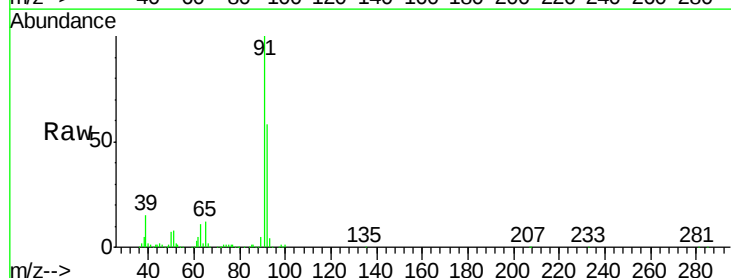
Manual Integrations
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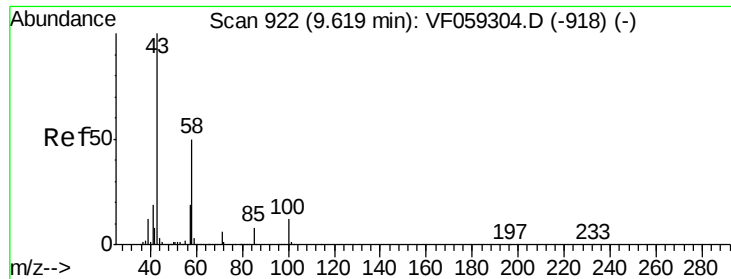
apatel
 6/27/2018 2:01:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.93 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





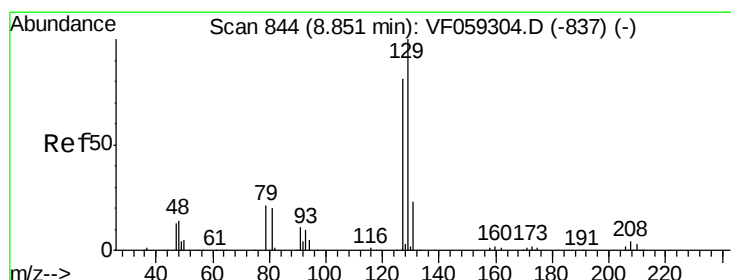
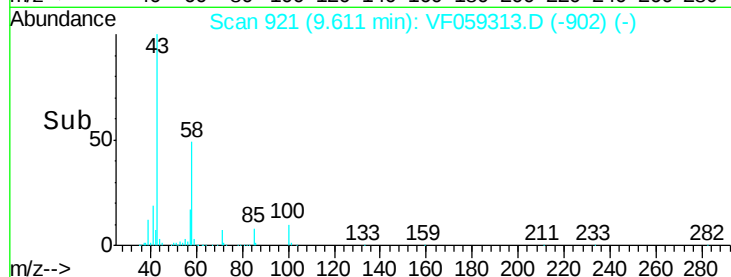
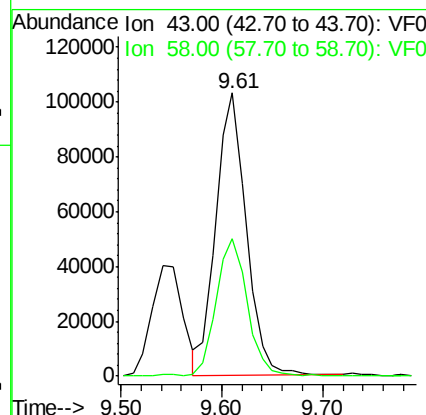
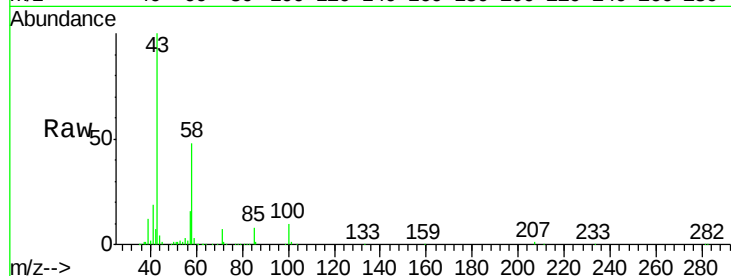
#59
2-Hexanone
Concen: 104.64 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion: 43 Resp: 215494
Ion Ratio Lower Upper
43 100
58 48.4 23.3 69.9

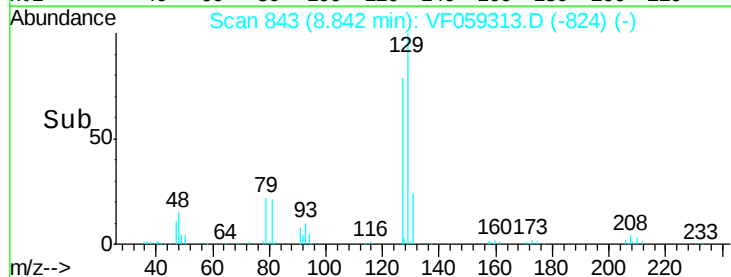
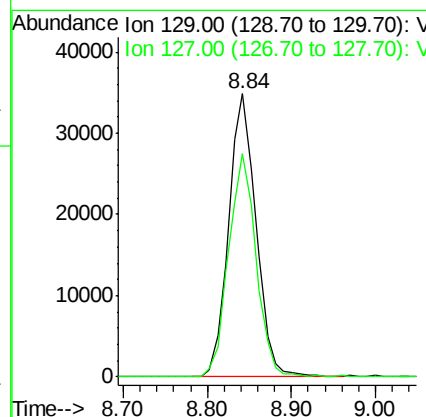
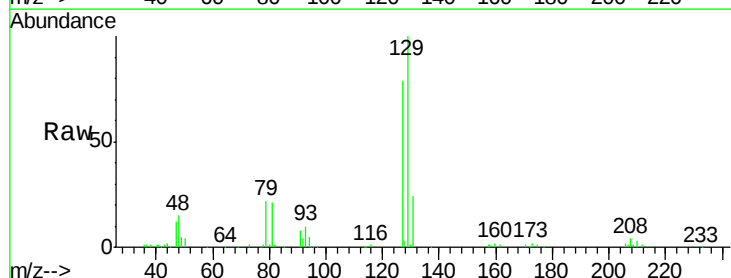
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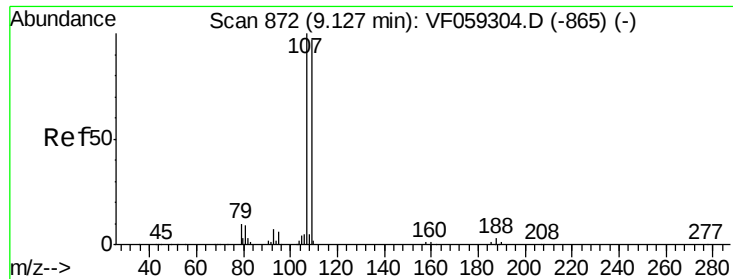
apatel
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#60
Dibromochloromethane
Concen: 19.49 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion: 129 Resp: 78696
Ion Ratio Lower Upper
129 100
127 78.6 40.7 122.1





#61

1,2-Dibromoethane

Concen: 19.26 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 107 Resp: 61103

Ion Ratio Lower Upper

107 100

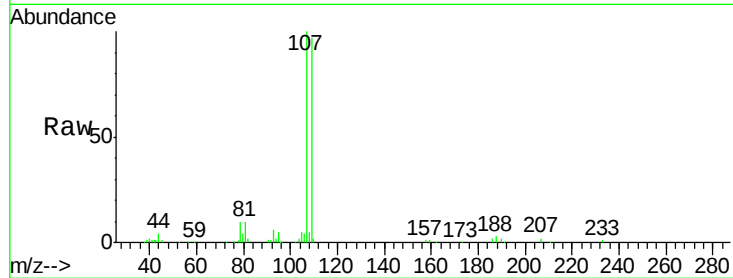
109 96.8 77.3 115.9

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

30000

25000

20000

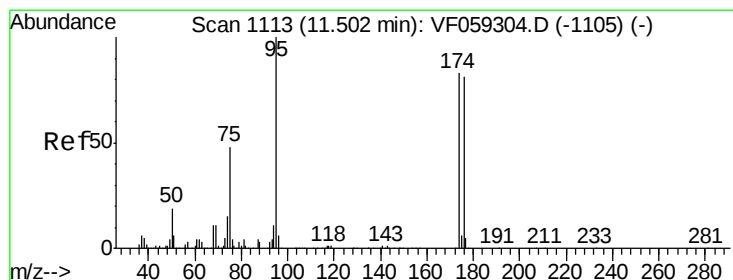
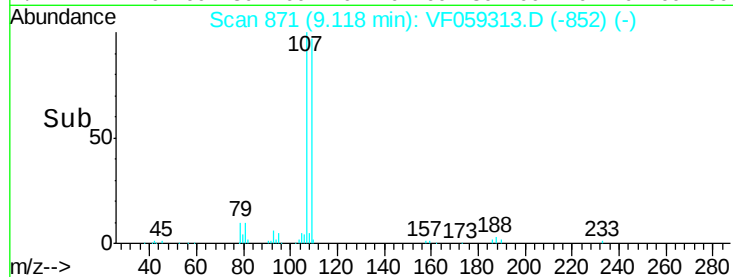
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.49 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

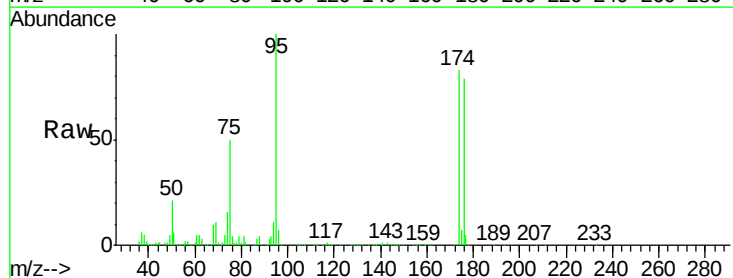
Tgt Ion: 95 Resp: 230041

Ion Ratio Lower Upper

95 100

174 82.9 0.0 165.2

176 78.8 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

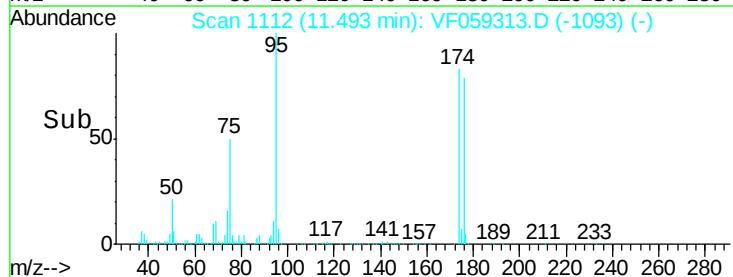
150000

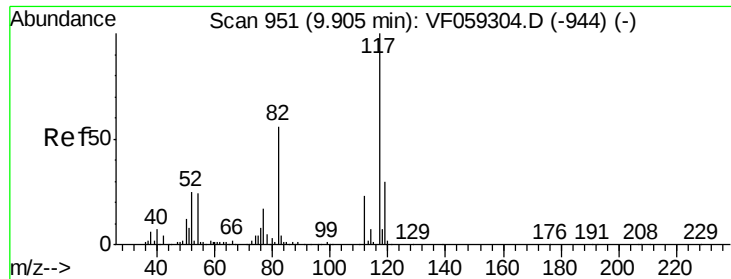
100000

50000

0

Time-->





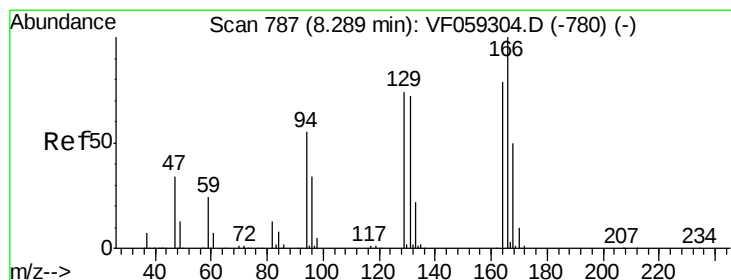
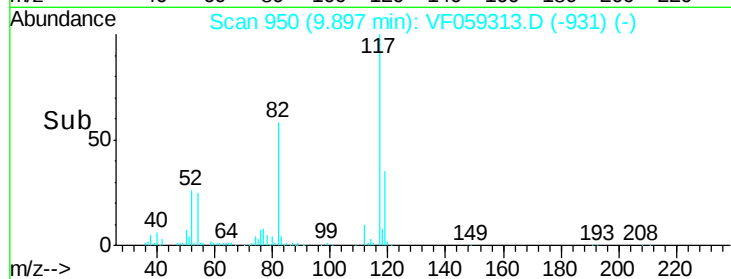
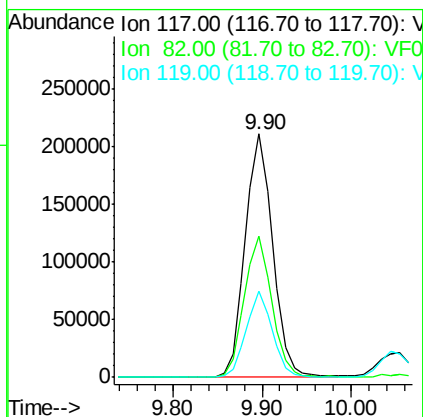
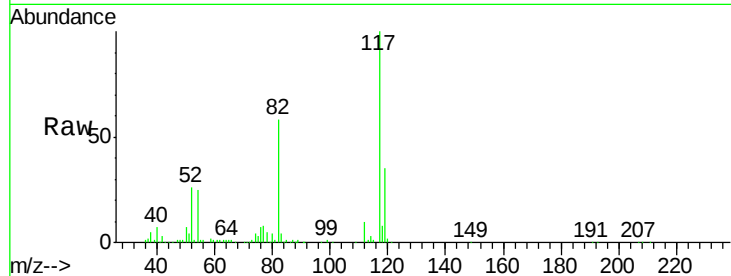
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	66.8
119	35.2	24.1	36.1

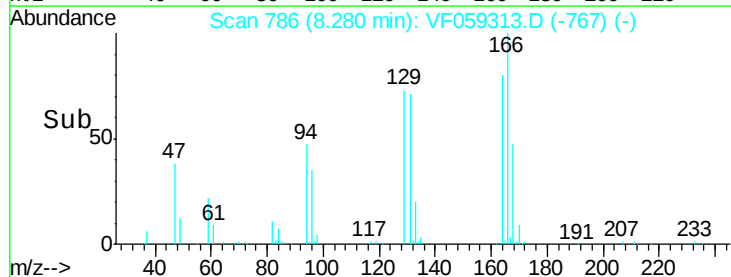
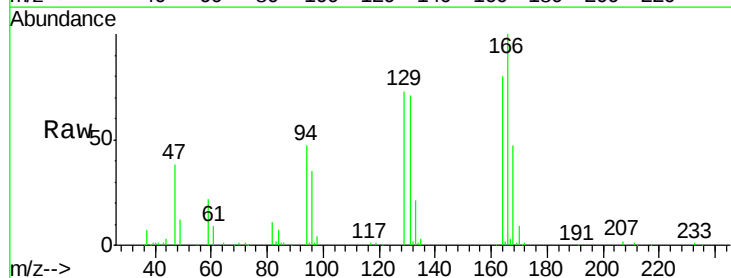
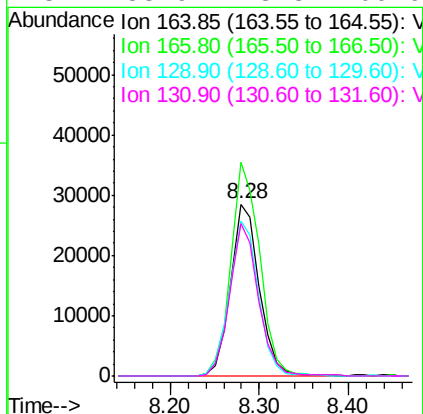
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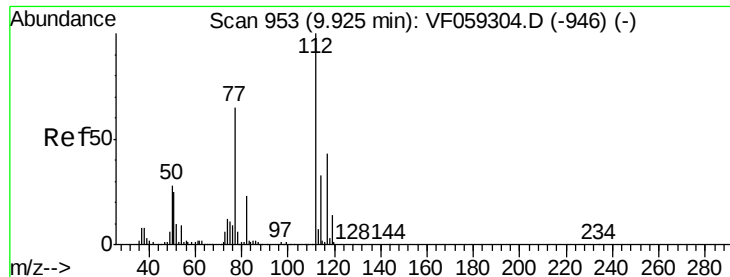
apatel
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#64
Tetrachloroethene
Concen: 22.11 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.1	151.7
129	90.3	75.0	112.4
131	88.9	73.3	109.9





#65

Chlorobenzene

Concen: 21.26 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion:112 Resp: 177720

Ion Ratio Lower Upper

112 100

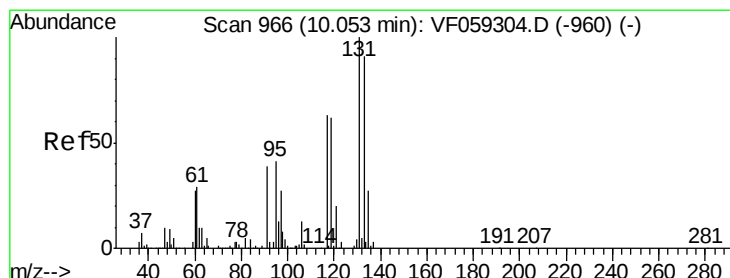
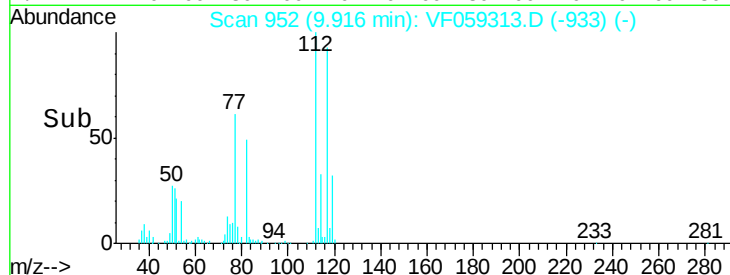
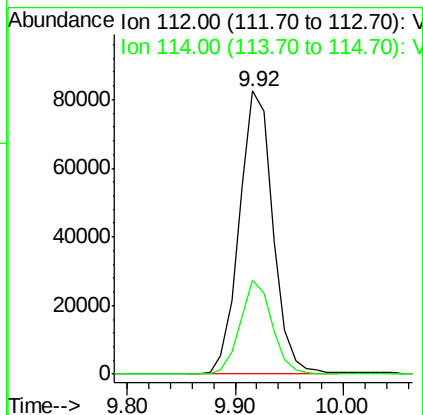
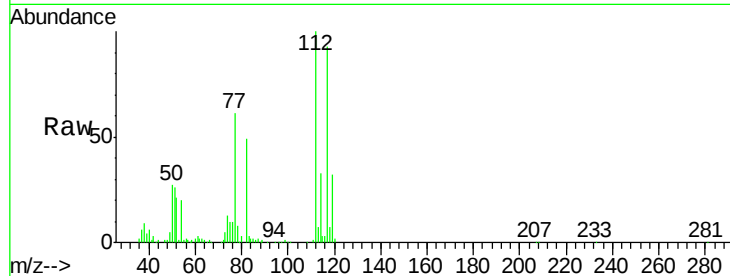
114 33.0 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.61 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

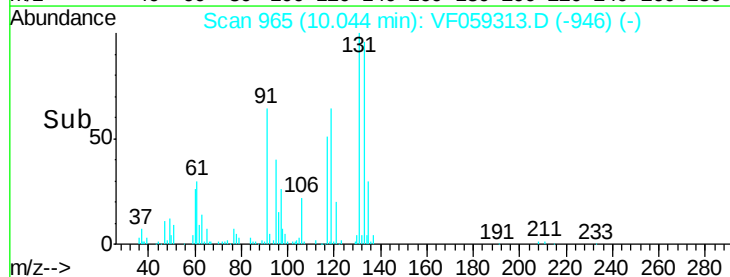
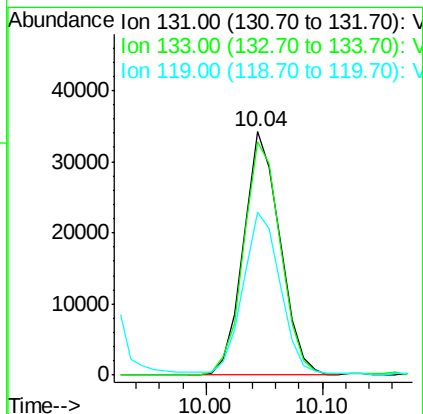
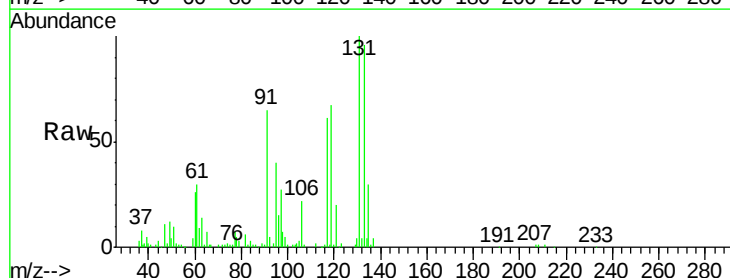
Tgt Ion:131 Resp: 74504

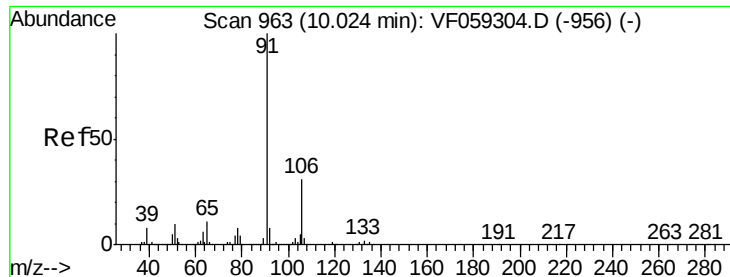
Ion Ratio Lower Upper

131 100

133 95.9 45.3 135.9

119 67.1 31.3 93.9





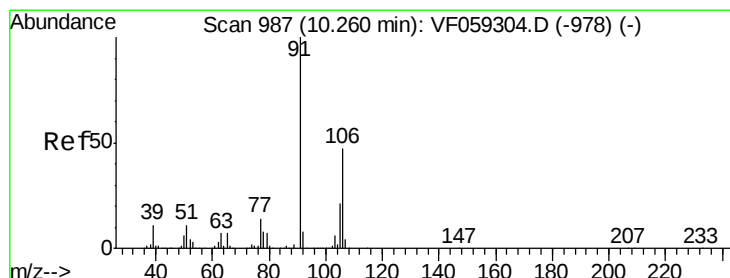
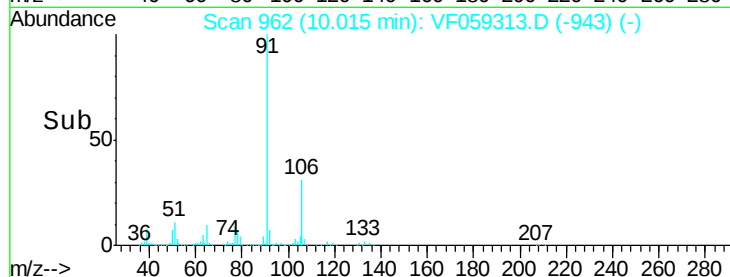
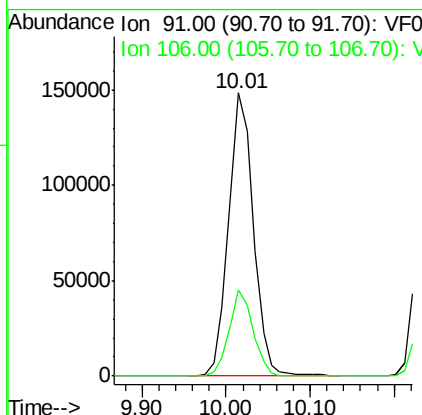
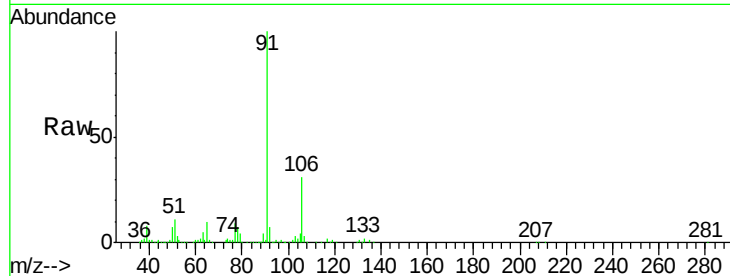
#67
Ethyl Benzene
Concen: 21.55 ug/l
RT: 10.01 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion: 91 Resp: 305545
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

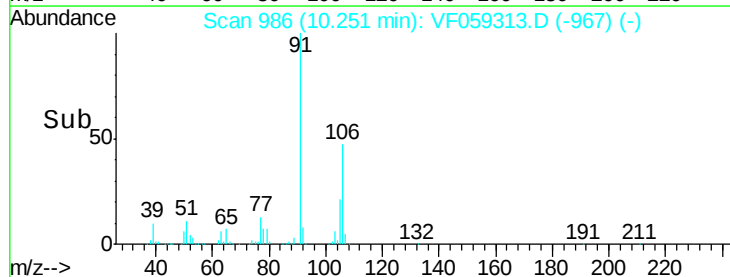
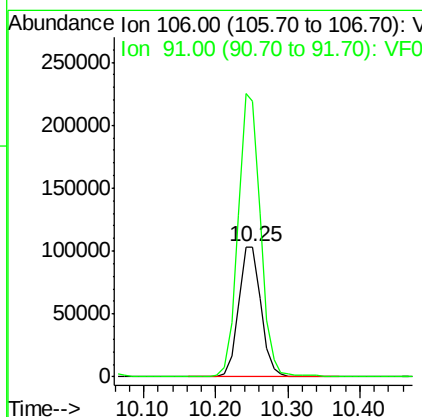
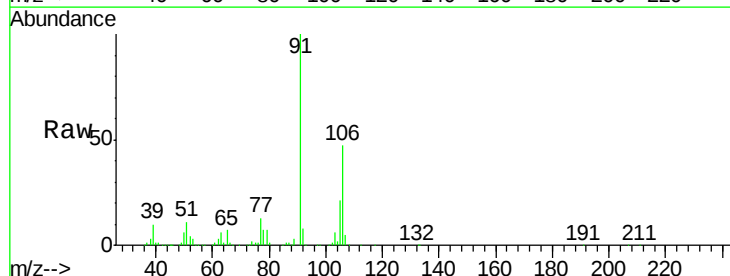
Manual Integrations
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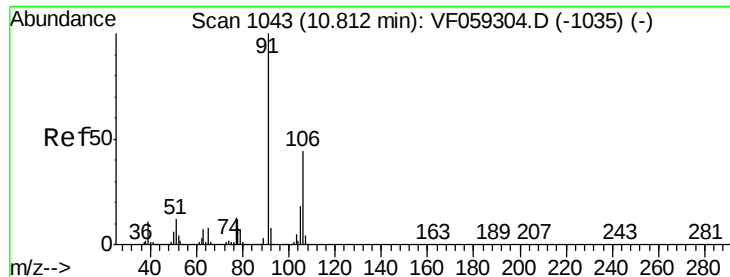
apatel
6/27/2018 2:01:38 PM



#68
m/p-Xylenes
Concen: 44.82 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion: 106 Resp: 226165
Ion Ratio Lower Upper
106 100
91 211.9 170.8 256.2





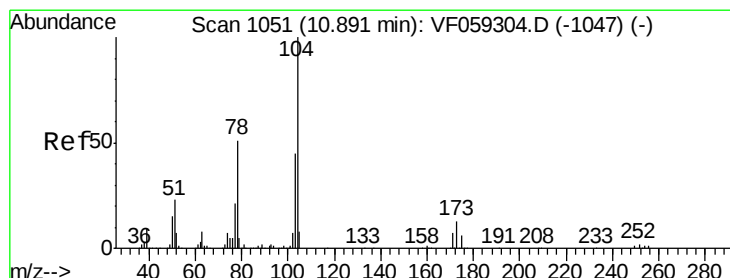
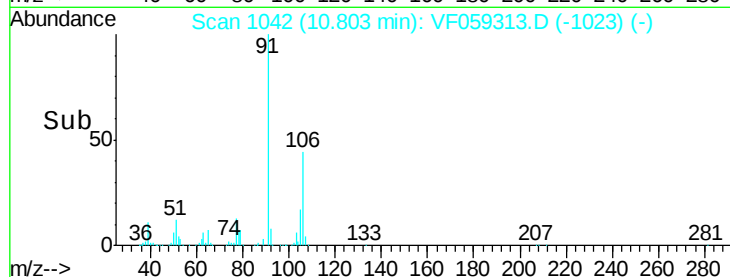
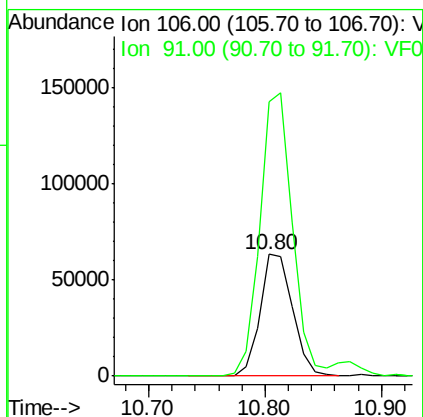
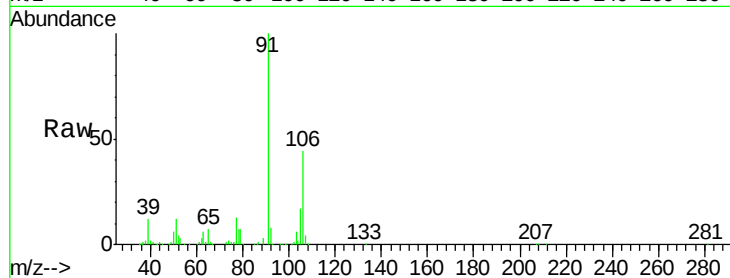
#69
o-Xylene
Concen: 21.65 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion:106 Resp: 122223
Ion Ratio Lower Upper
106 100
91 225.9 114.6 343.6

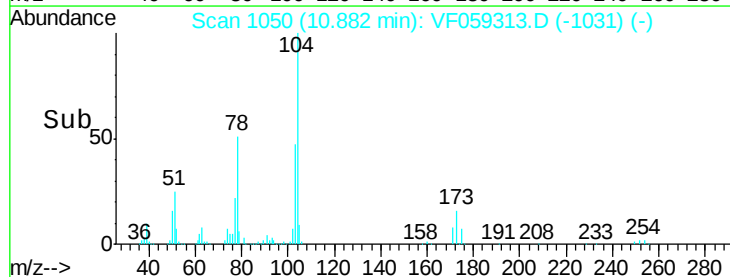
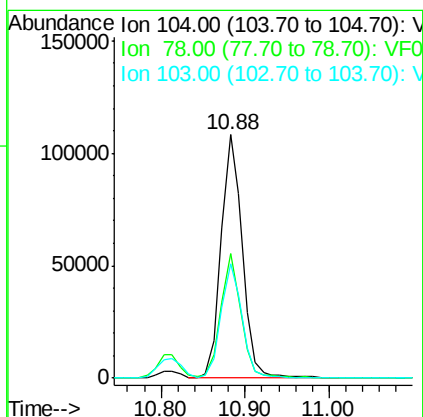
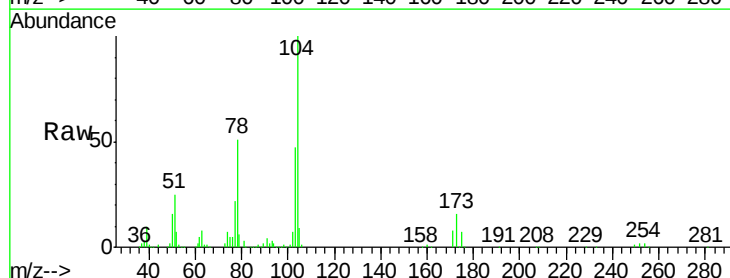
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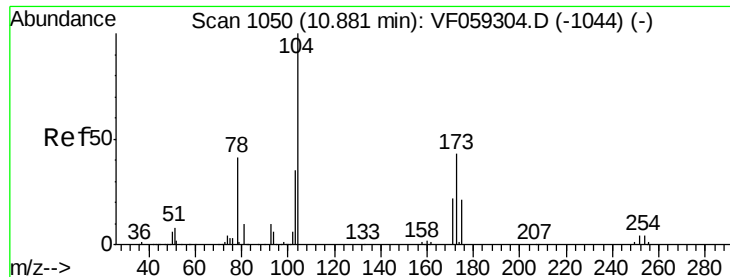
apatel
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#70
Styrene
Concen: 21.93 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion:104 Resp: 188580
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 46.8 36.5 54.7





#71

Bromoform

Concen: 20.01 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

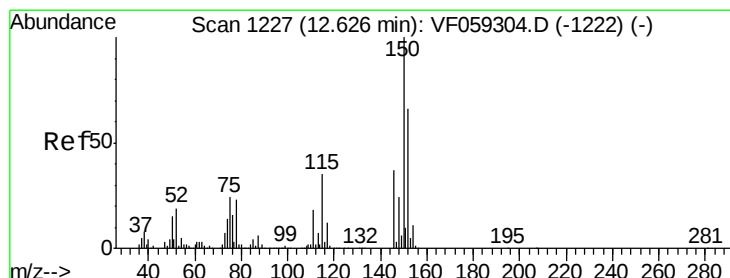
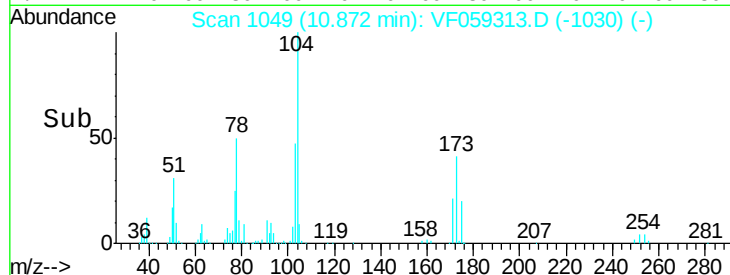
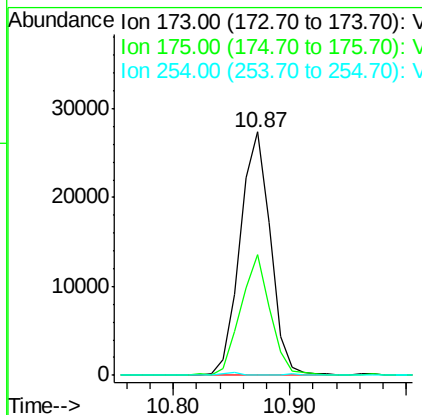
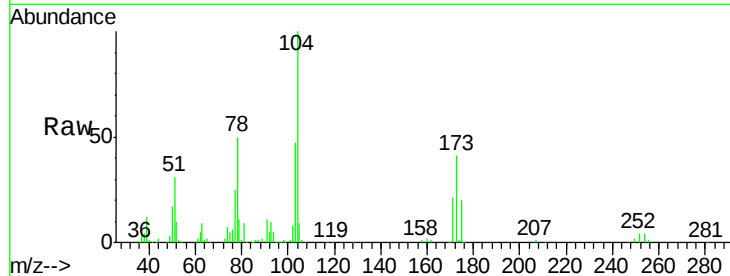
ClientSampleId :

VF0626SBSD01

Tot Ion:	173	Resp:	49589
Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

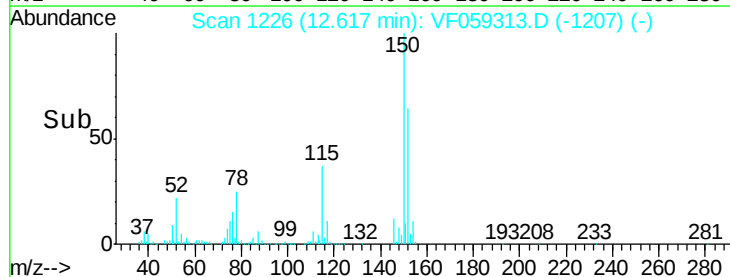
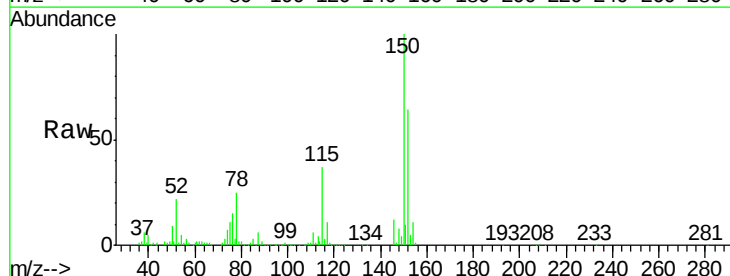
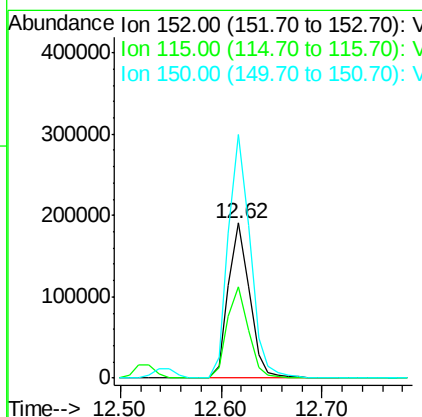
RT: 12.62 min Scan# 1226

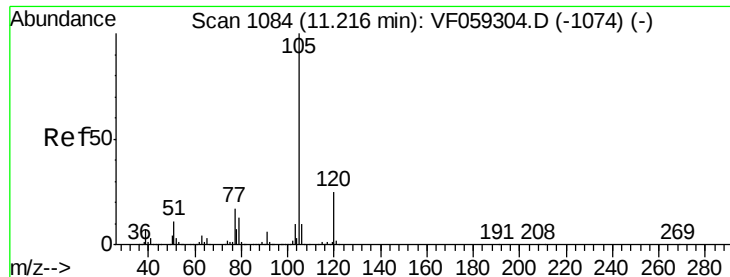
Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	152	Resp:	281703
Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.1	81.3
150	156.9	0.0	305.2





#73

Isopropylbenzene

Concen: 22.10 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 105 Resp: 362651

Ion Ratio Lower Upper

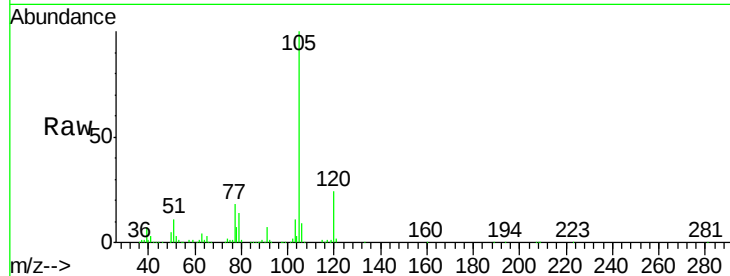
105 100

120 23.6 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

250000

200000

150000

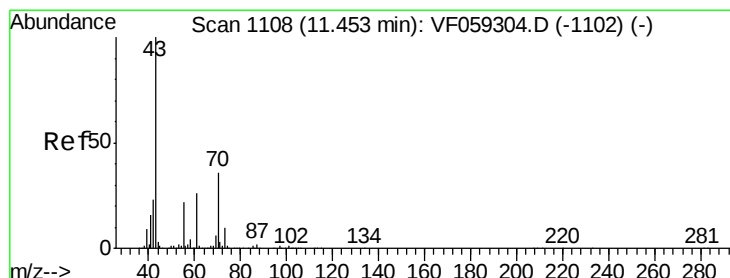
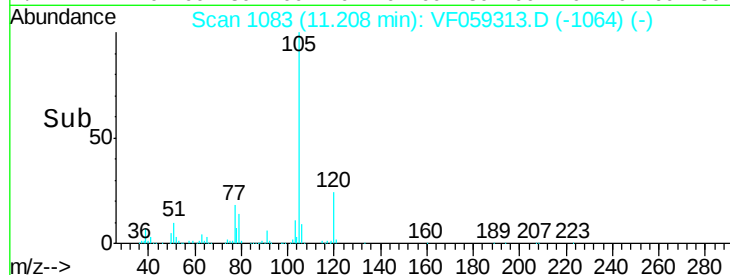
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 20.47 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion: 43 Resp: 121891

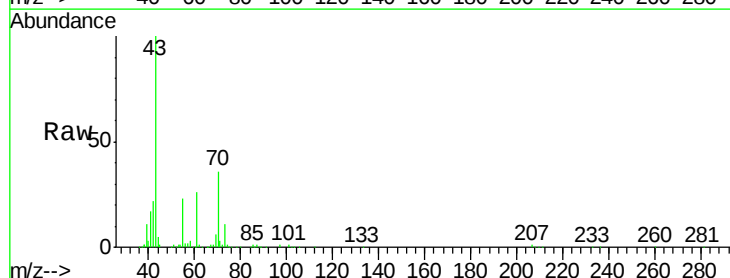
Ion Ratio Lower Upper

43 100

70 35.7 28.8 43.2

55 23.0 17.4 26.0

61 25.5 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

120000

100000

80000

60000

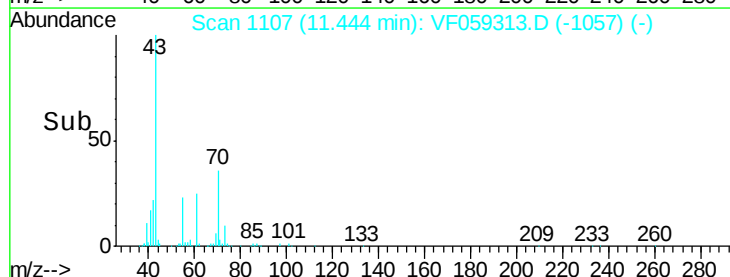
40000

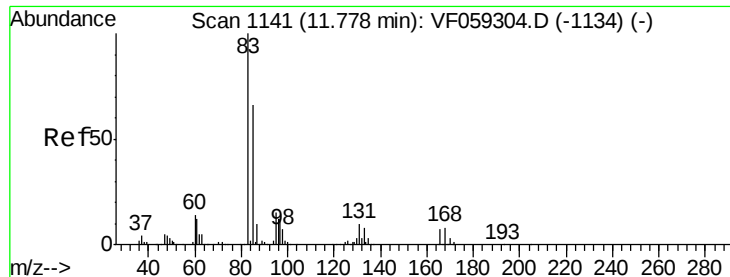
20000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.35 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

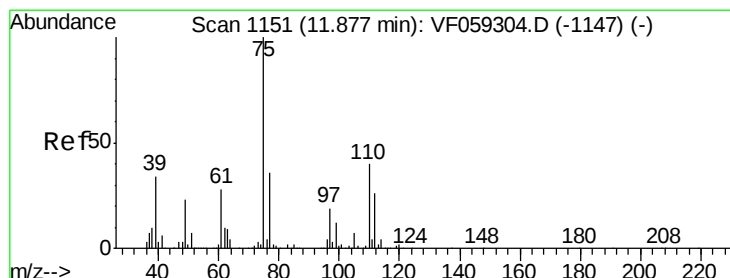
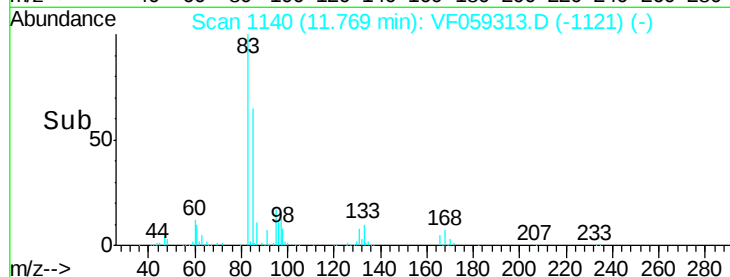
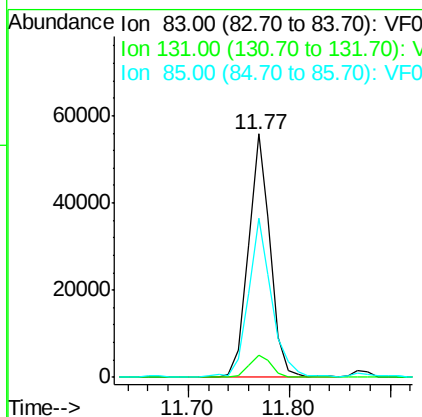
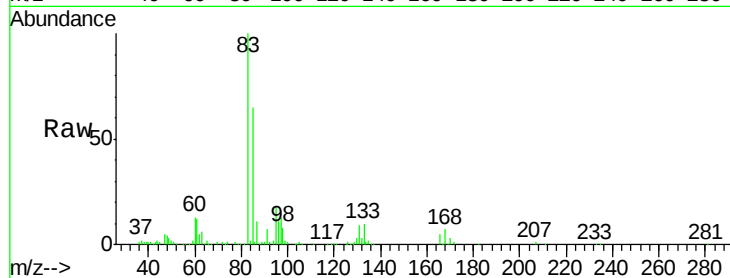
ClientSampleId :

VF0626SBSD01

Tot Ion:	83	Resp:	84361
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.6
85	65.2	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 19.93 ug/l

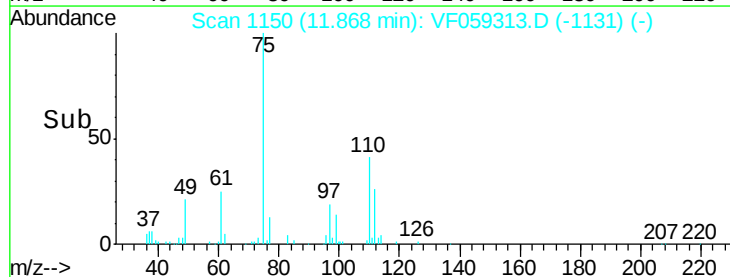
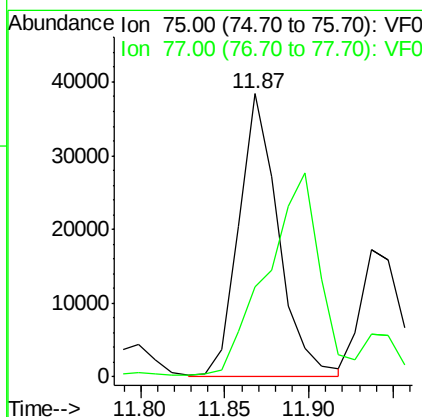
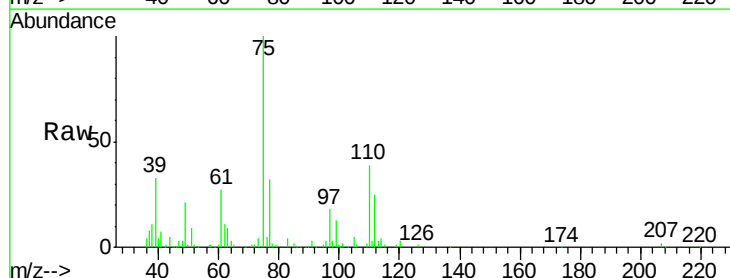
RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	75	Resp:	62307
Ion Ratio	Lower	Upper	
75	100		
77	31.7	18.0	54.0





#77

Bromobenzene

Concen: 19.94 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:156 Resp: 90801

Ion Ratio Lower Upper

156 100

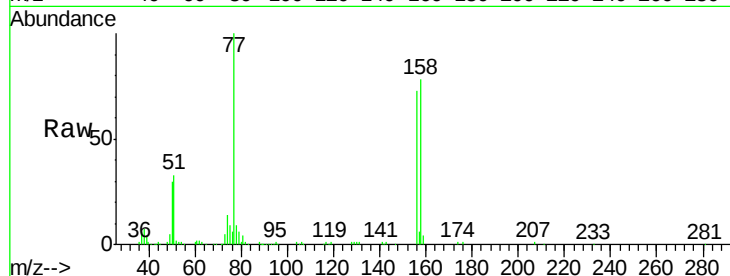
77 136.6 79.7 238.9

158 106.5 46.2 138.6

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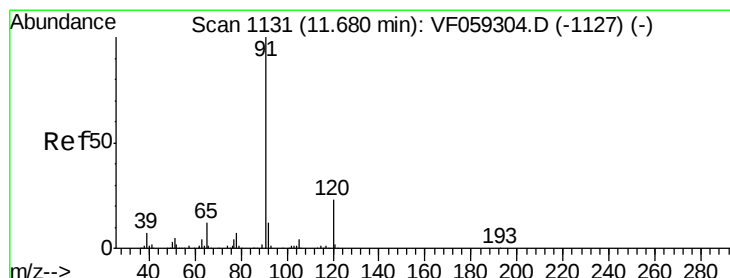
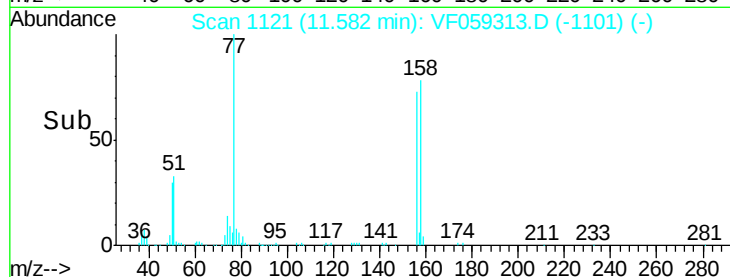
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

11.58

Time-->



#78

n-propylbenzene

Concen: 22.42 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059313.D

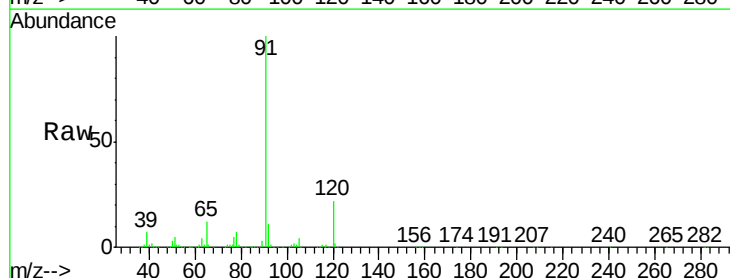
Acq: 26 Jun 2018 13:27

Tgt Ion: 91 Resp: 441832

Ion Ratio Lower Upper

91 100

120 21.7 11.7 35.0

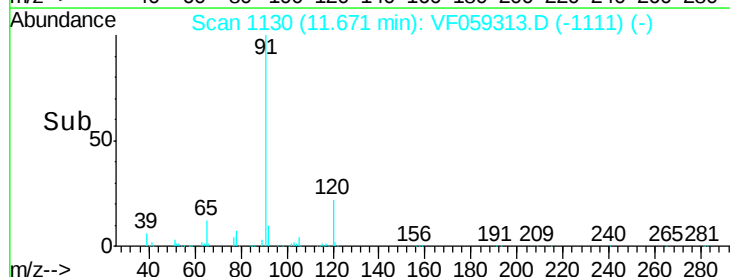


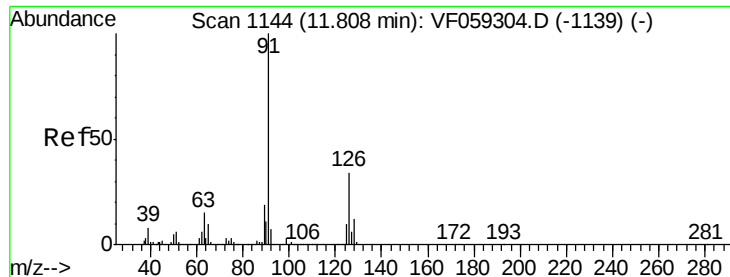
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.67

Time-->





#79

2-Chlorotoluene

Concen: 21.61 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

Tot Ion: 91 Resp: 260239

Ion Ratio Lower Upper

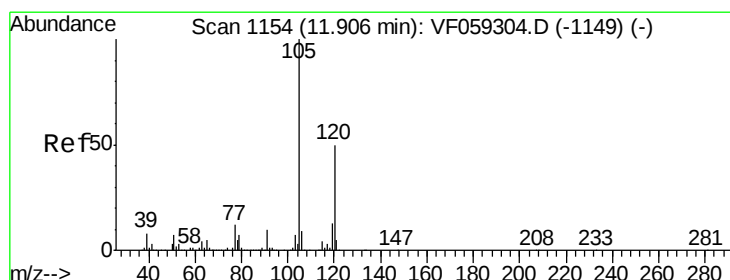
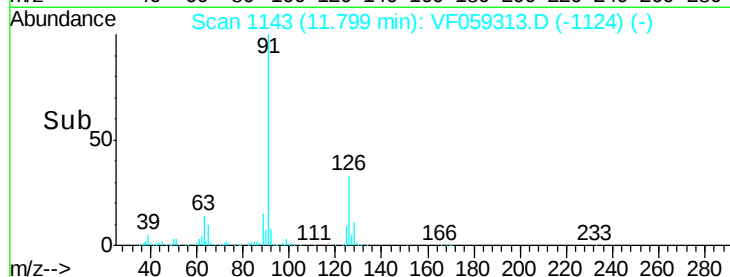
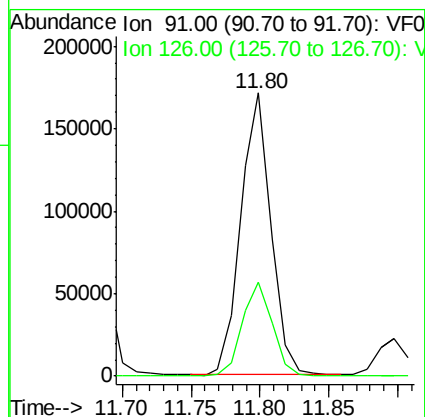
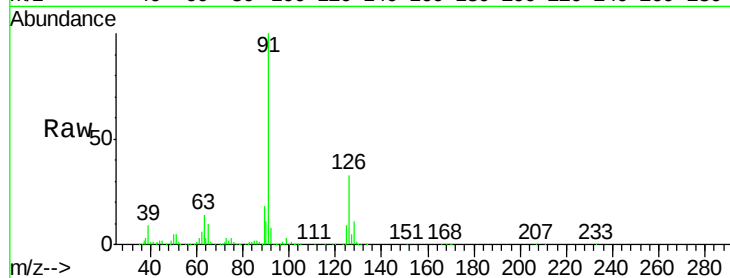
91 100

126 33.1 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.67 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059313.D

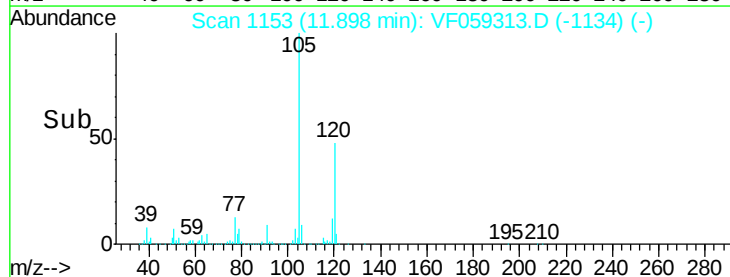
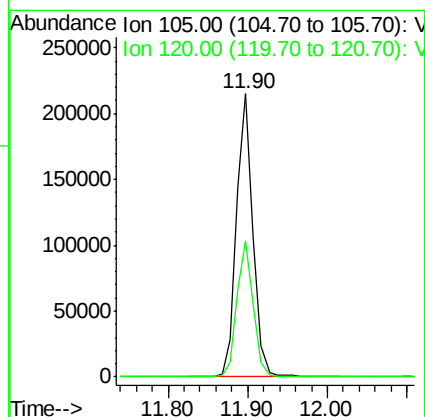
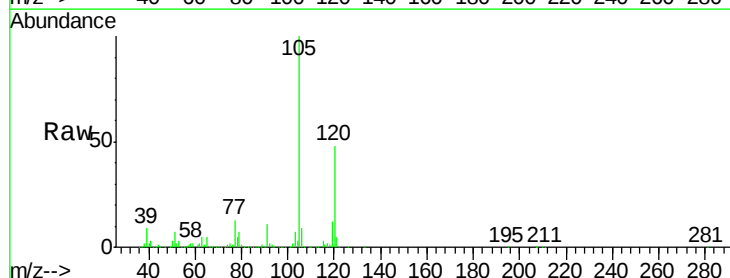
Acq: 26 Jun 2018 13:27

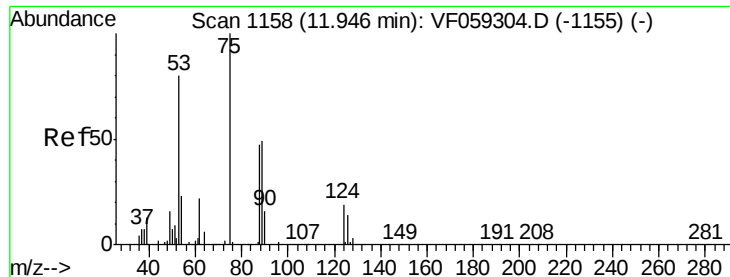
Tgt Ion:105 Resp: 311555

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7





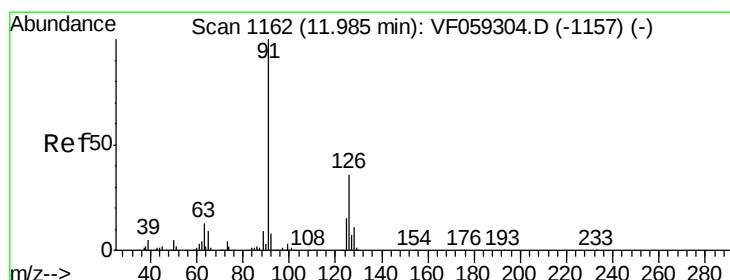
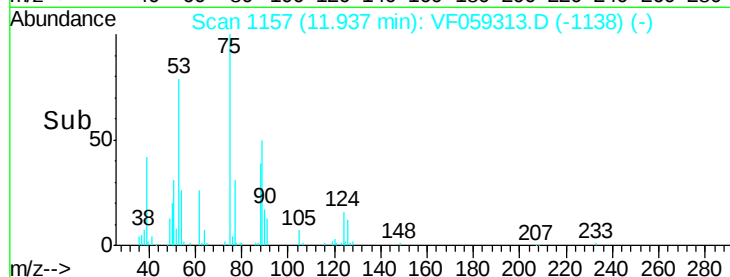
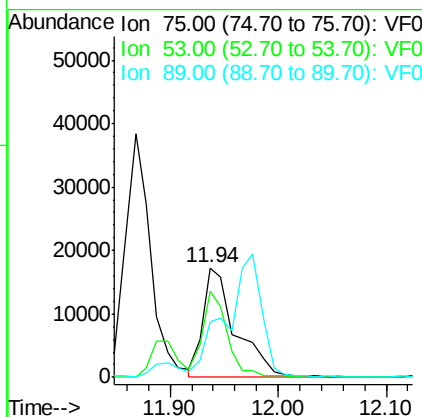
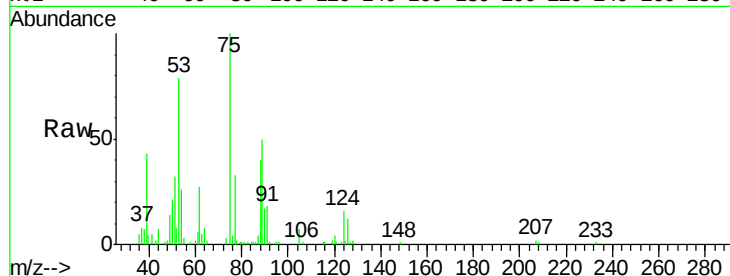
#81
trans-1,4-Dichloro-2-butene
Concen: 19.87 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.0	68.8	103.2
89	50.4	42.0	63.0

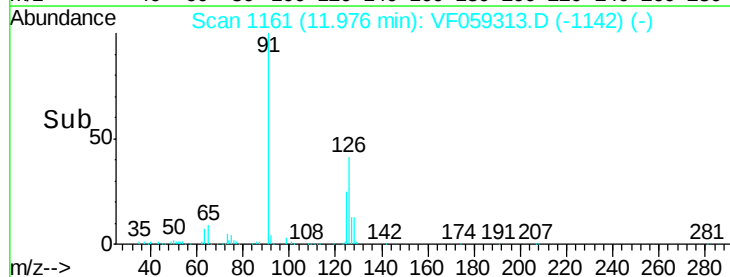
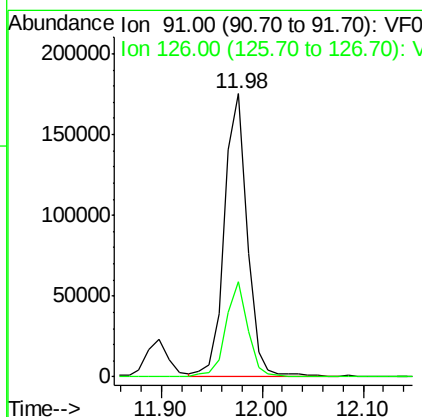
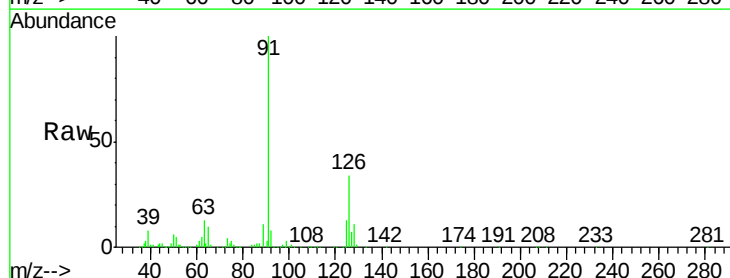
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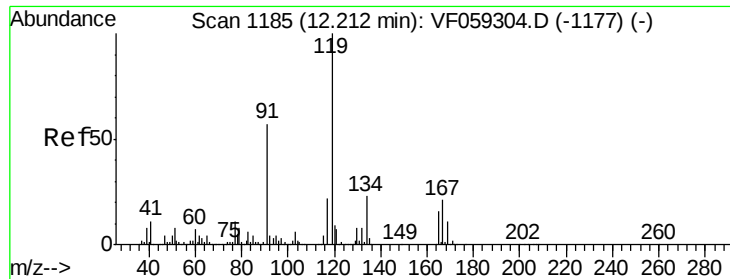
apatel
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#82
4-Chlorotoluene
Concen: 21.10 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	18.2	54.6





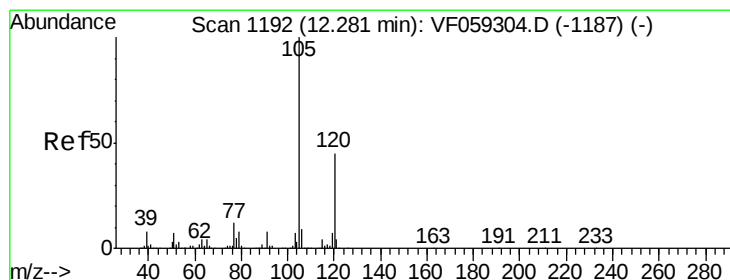
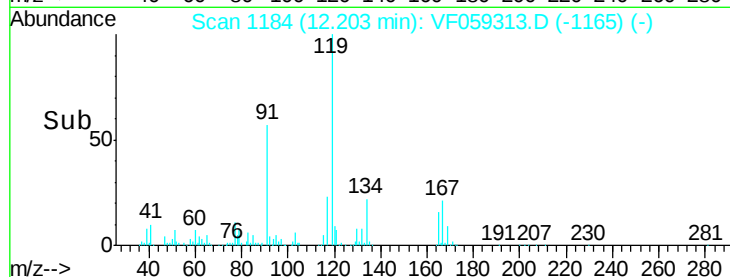
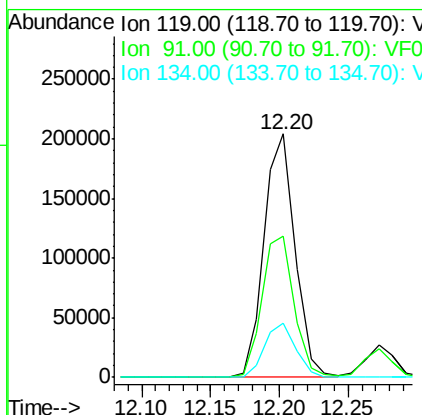
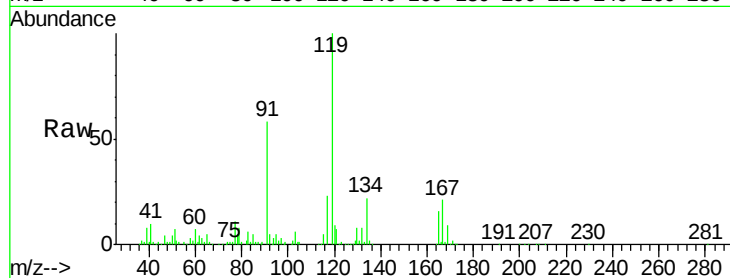
#83
 tert-Butylbenzene
 Concen: 22.34 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.4	85.2
134	22.4	11.7	35.1

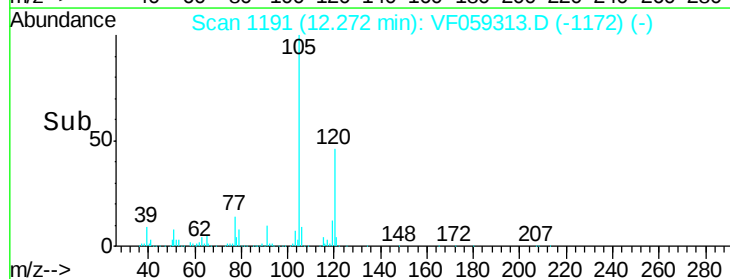
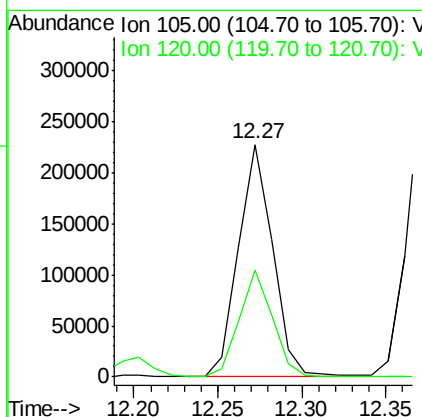
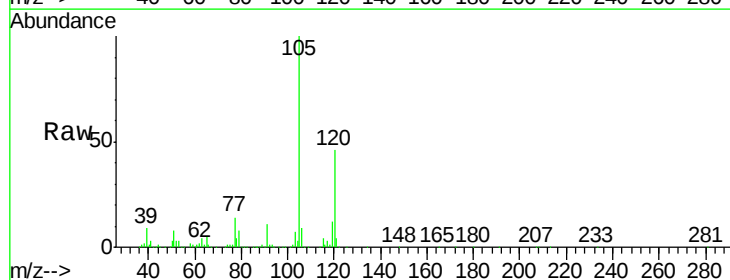
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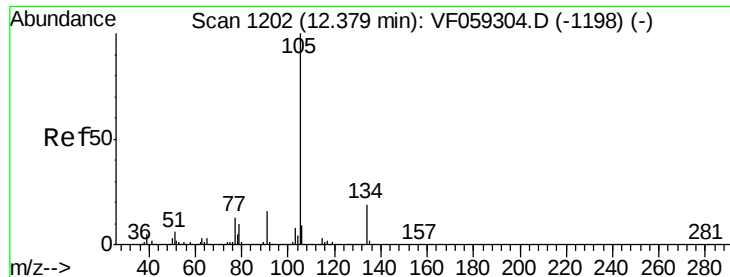
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.21 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.98 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion:105 Resp: 399788

Ion Ratio Lower Upper

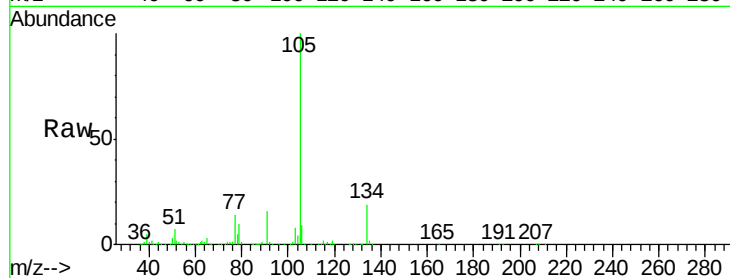
105 100

134 18.6 9.4 28.3

Manual Integrations
APPROVED

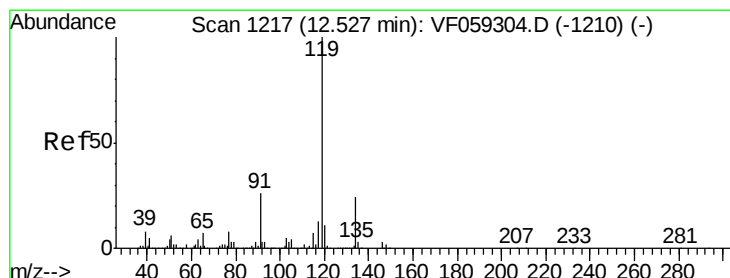
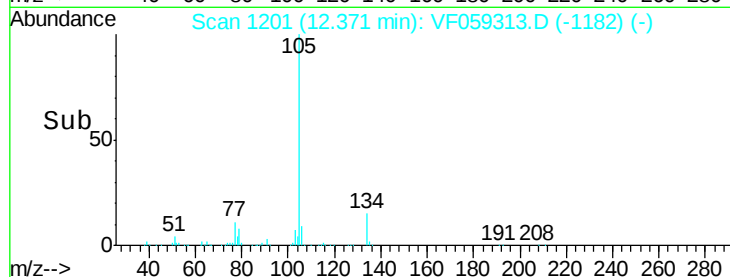
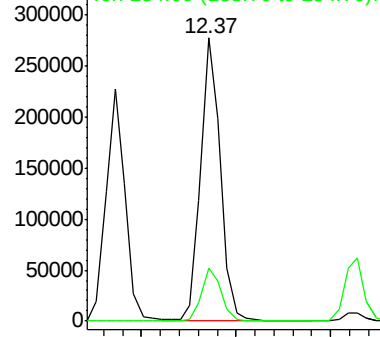
apatel

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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: 22.55 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

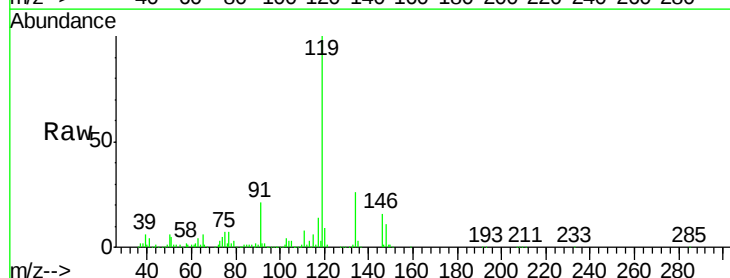
Tgt Ion:119 Resp: 360677

Ion Ratio Lower Upper

119 100

134 25.8 12.2 36.4

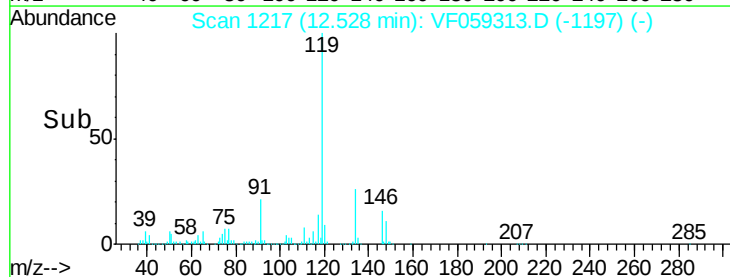
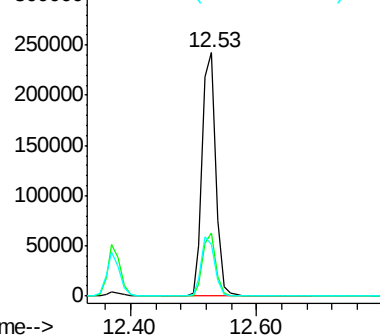
91 21.5 12.9 38.6

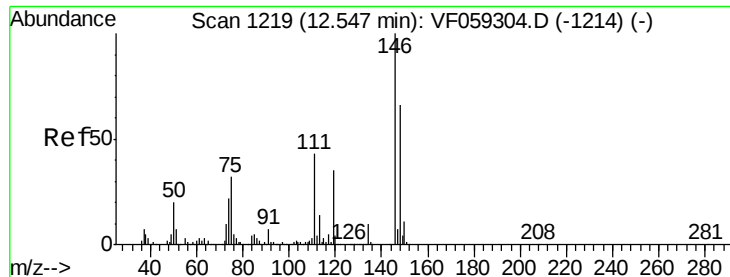


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





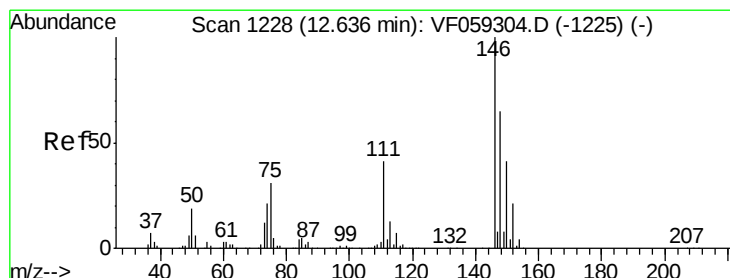
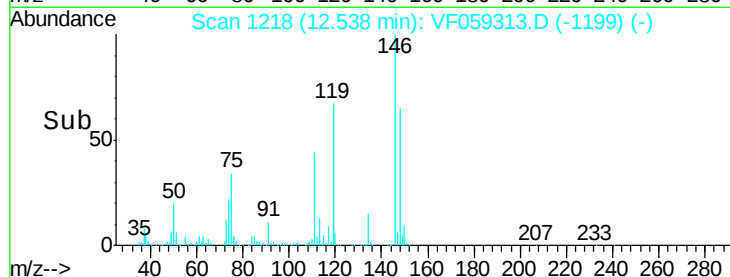
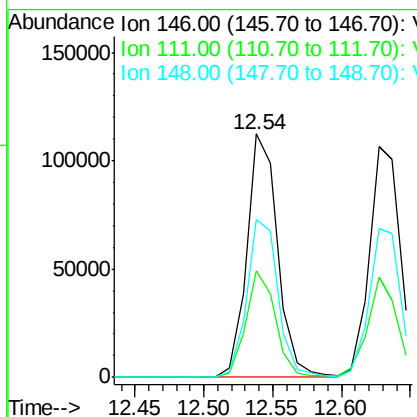
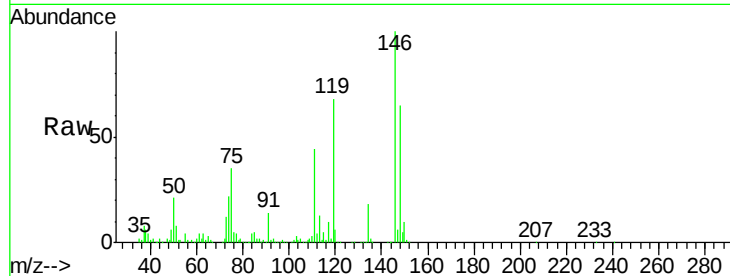
#87
 1,3-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.4	64.2
148	64.7	32.8	98.4

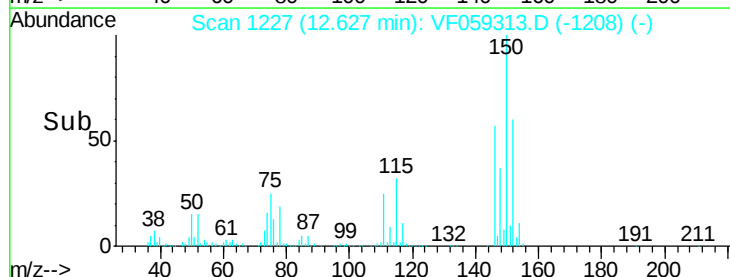
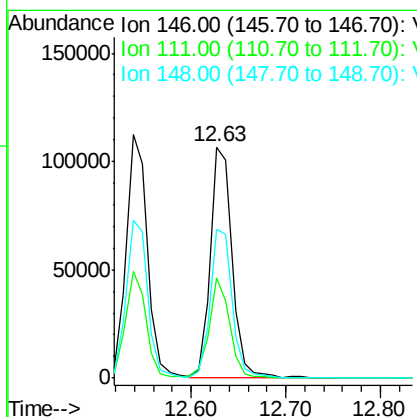
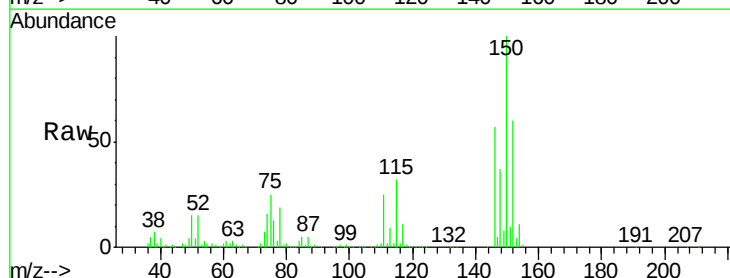
Manual Integrations
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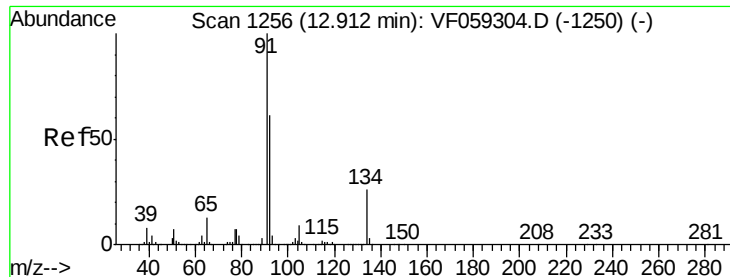
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#88
 1,4-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.7	62.1
148	64.7	32.8	98.3





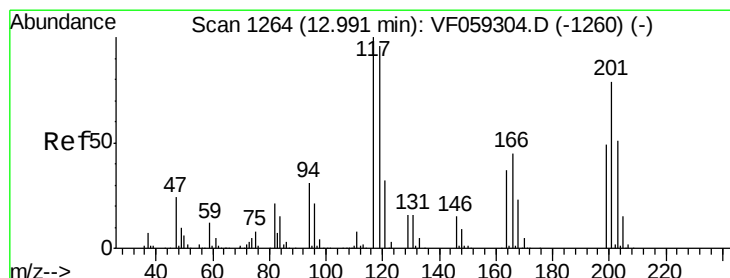
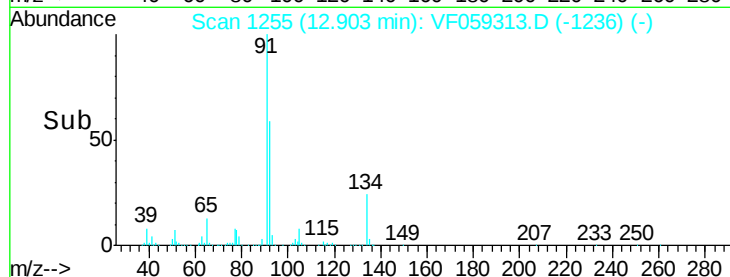
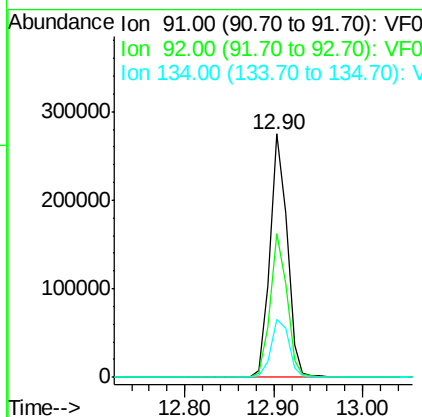
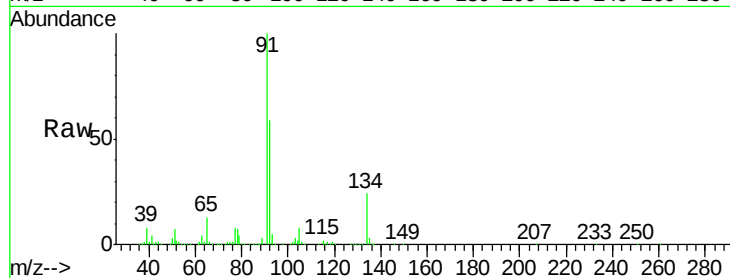
#89
n-Butylbenzene
Concen: 22.49 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	365193		
92	59.3		30.3	91.0
134	24.0		12.9	38.7

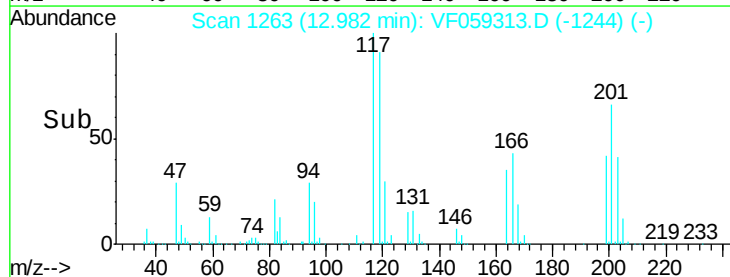
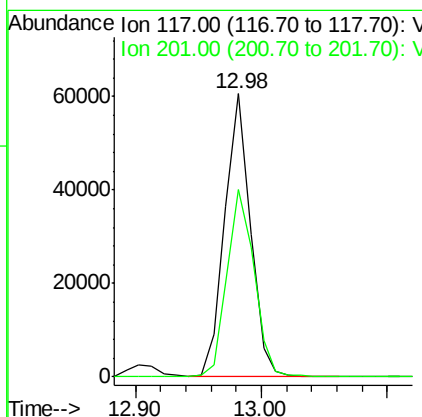
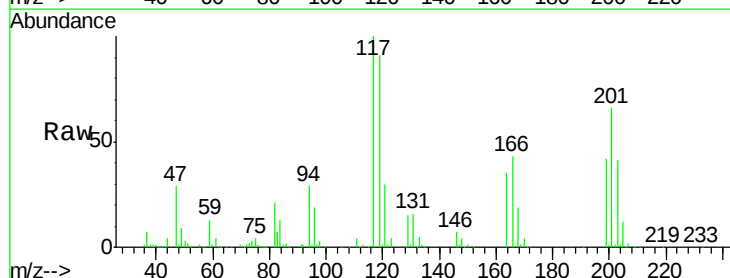
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#90
Hexachloroethane
Concen: 21.54 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	85846		
201	66.1		39.5	118.5





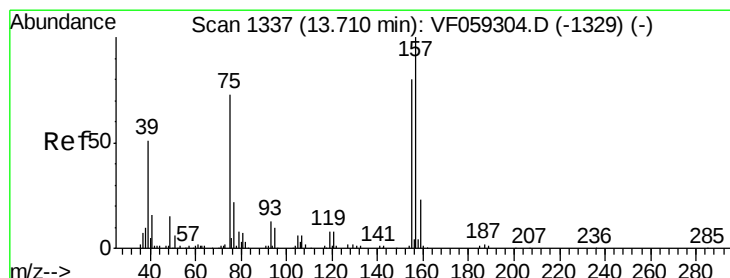
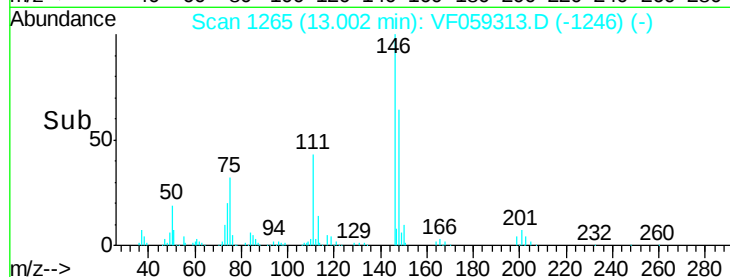
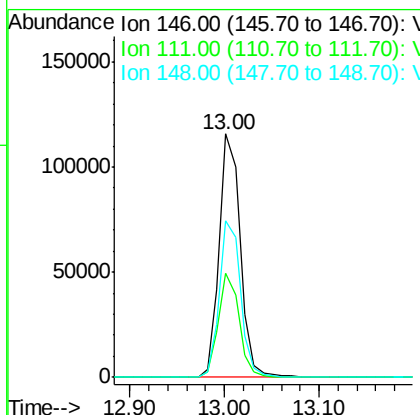
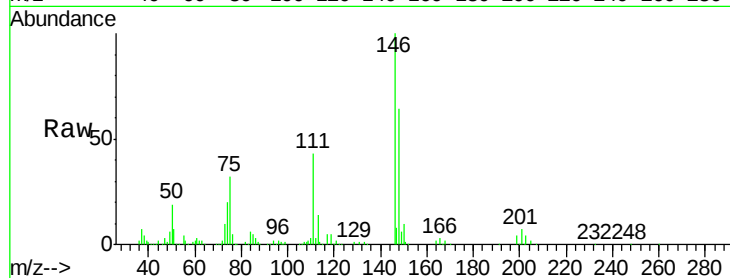
#91
 1,2-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.7	68.0
148	64.3	33.5	100.4

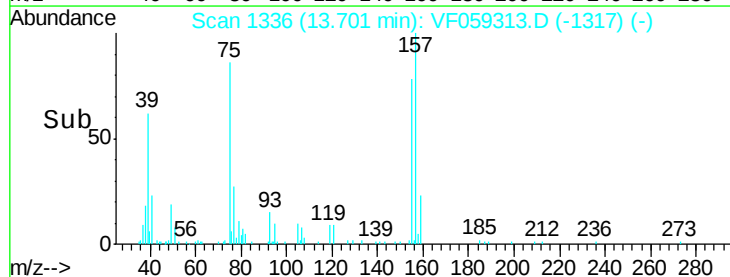
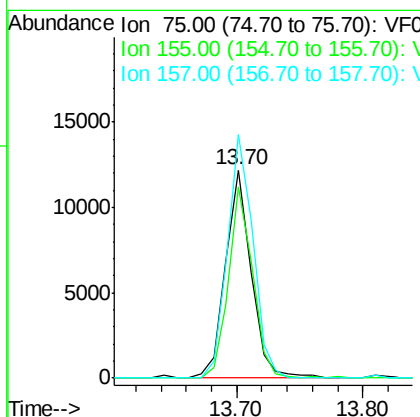
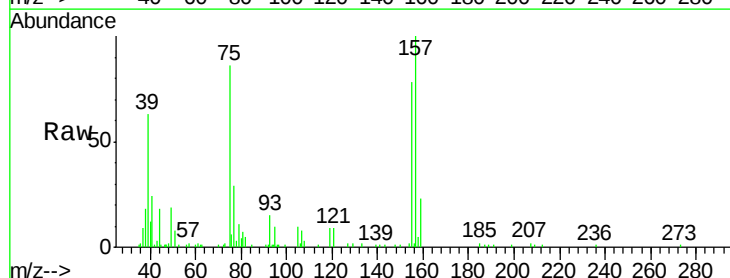
Manual Integrations
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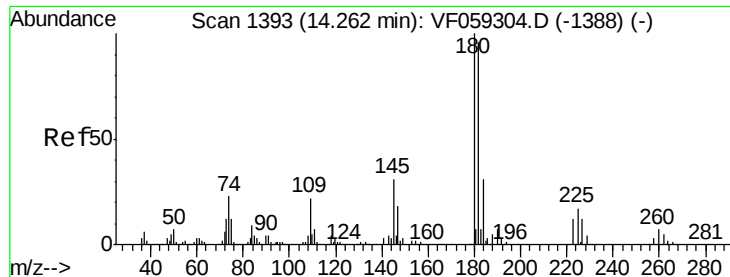
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.64 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	54.6	163.8
157	116.9	68.7	205.9





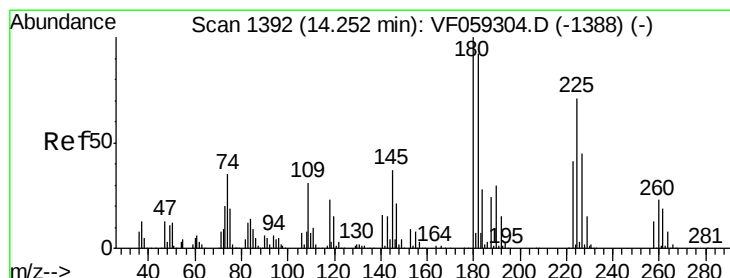
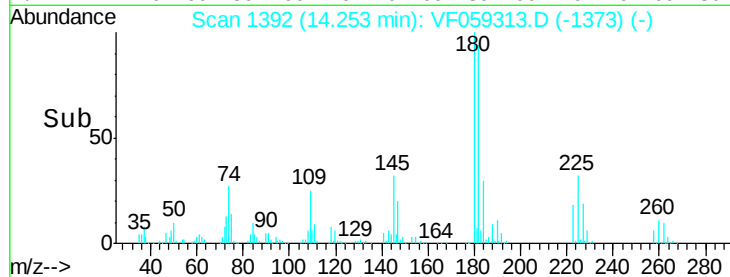
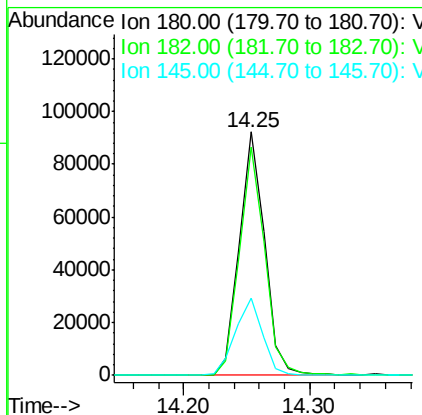
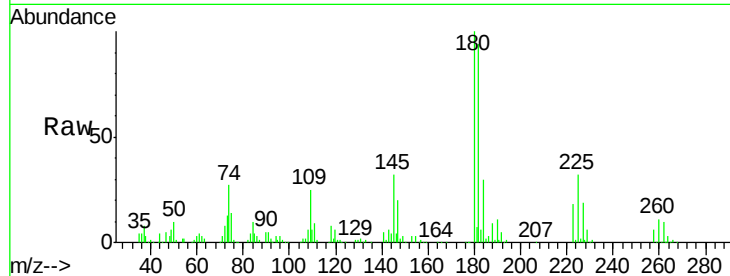
#93
 1,2,4-Trichlorobenzene
 Concen: 20.95 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128028		
182	93.7	48.1	144.3	
145	31.8	15.3	45.8	

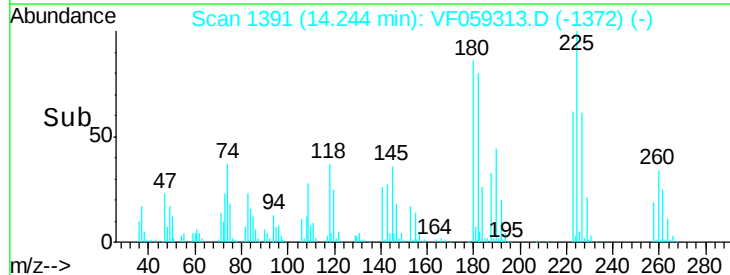
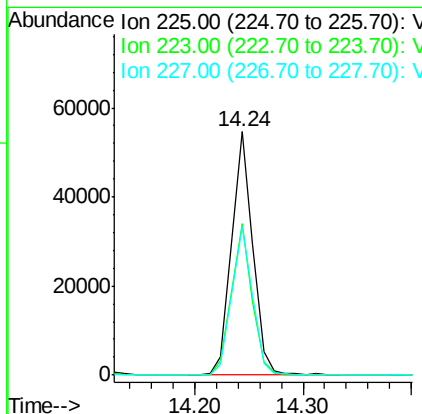
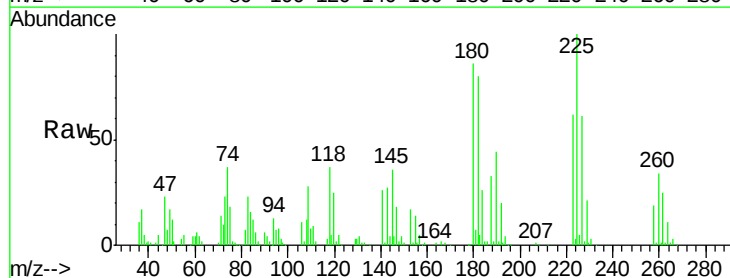
Manual Integrations
 APPROVED

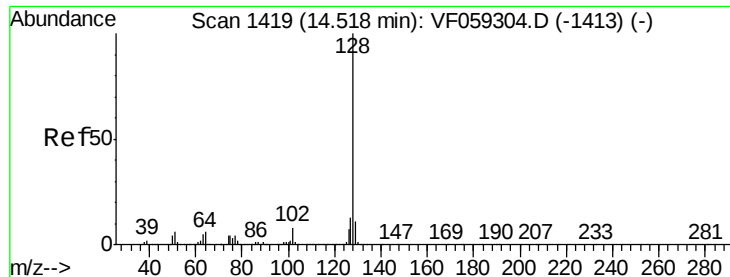
apatel
 6/27/2018 2:01:38 PM



#94
 Hexachlorobutadiene
 Concen: 21.95 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74945		
223	62.1	28.9	86.8	
227	61.1	31.3	93.8	





#95

Naphthalene

Concen: 20.25 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

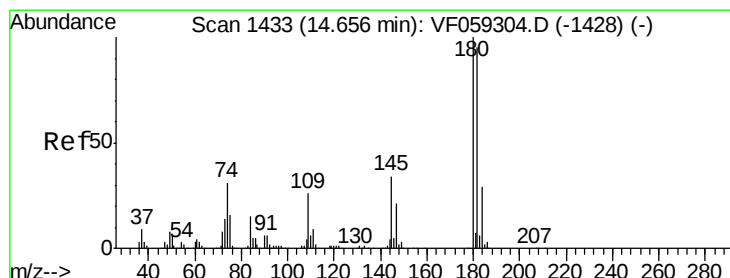
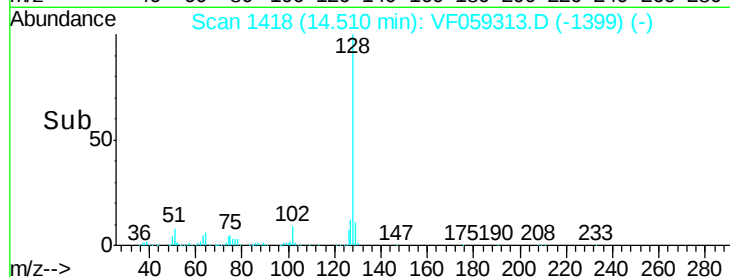
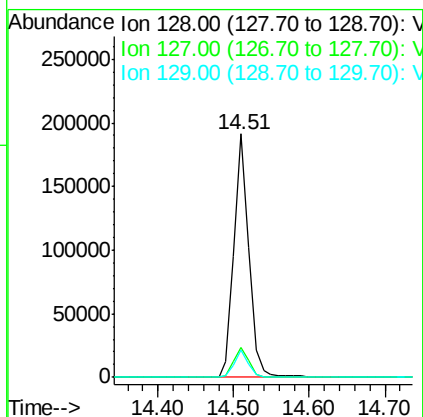
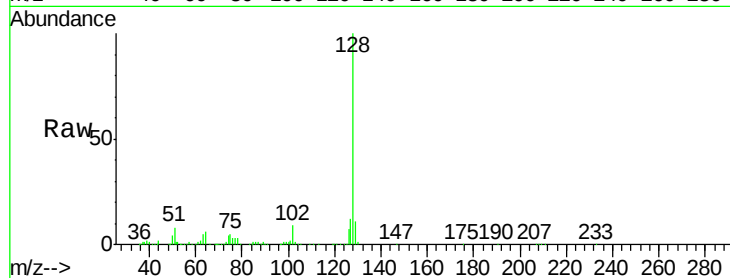
ClientSampleId :

VF0626SBS01

Tot Ion:	128	Resp:	258994
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	11.2	8.8	13.2

Manual Integrations
APPROVED

apatel
6/27/2018 2:01:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.47 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion:	180	Resp:	118495
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.5	142.5
145	30.5	17.0	50.9

