

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059385.D
 Acq On : 2 Jul 2018 14:22
 Operator : VA/AP
 Sample : VF0702SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:34:31 AM

Quant Time: Jul 03 01:24:39 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	5.01	168	279197	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	421035	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	423906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	253413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	164379	45.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	4.26	113	145661	47.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	7.68	98	338275	44.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.50	95	197439	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	52763	20.68	ug/l	92
3) Chloromethane	1.08	50	30317	17.69	ug/l	98
4) Vinyl Chloride	1.14	62	35119	20.82	ug/l	100
5) Bromomethane	1.32	94	18930	16.55	ug/l	83
6) Chloroethane	1.41	64	14376	16.92	ug/l	96
7) Trichlorofluoromethane	1.47	101	73642m	22.08	ug/l	
8) Diethyl Ether	1.69	74	17406	20.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.88	101	38450	19.75	ug/l	98
10) Methyl Iodide	1.94	142	63340	17.84	ug/l	98
11) Tert butyl alcohol	2.66	59	23703	98.70	ug/l	99
12) 1,1-Dichloroethene	1.85	96	35466	21.55	ug/l	85
13) Acrolein	2.07	56	12931	101.44	ug/l	98
14) Allyl chloride	2.17	41	60712	19.65	ug/l	95
15) Acrylonitrile	3.05	53	50421	119.23	ug/l	92
16) Acetone	2.32	43	109771	116.40	ug/l	99
17) Carbon Disulfide	1.86	76	75669m	19.54	ug/l	
18) Methyl Acetate	2.43	43	34430	20.46	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	130799	21.30	ug/l #	89
20) Methylene Chloride	2.30	84	51665m	21.30	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	37605	21.42	ug/l	94
22) Diisopropyl ether	2.90	45	141084	20.62	ug/l	99
23) Vinyl Acetate	3.30	43	479915	110.13	ug/l	99
24) 1,1-Dichloroethane	2.98	63	89100	21.00	ug/l	98
25) 2-Butanone	4.48	43	130526	118.17	ug/l	95
26) 2,2-Dichloropropane	3.73	77	60995	20.85	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	55458	20.80	ug/l	78
28) Bromochloromethane	3.86	49	42345	23.76	ug/l	97
29) Tetrahydrofuran	4.23	42	56643	117.39	ug/l	96
30) Chloroform	4.00	83	128227	20.88	ug/l	97
31) Cyclohexane	3.84	56	56546	20.35	ug/l	91
32) 1,1,1-Trichloroethane	4.24	97	92215	20.52	ug/l	93
36) 1,1-Dichloropropene	4.43	75	75764	20.60	ug/l	99
37) Ethyl Acetate	4.26	43	59207	24.41	ug/l #	91
38) Carbon Tetrachloride	4.13	117	100487	21.65	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	71850	22.04	ug/l	94
40) Benzene	4.78	78	157870	19.36	ug/l	99
41) Methacrylonitrile	4.89	41	24474	19.51	ug/l	91
42) 1,2-Dichloroethane	5.09	62	104858	22.00	ug/l	99
43) Isopropyl Acetate	7.09	43	68889	22.49	ug/l	94
44) Trichloroethene	5.64	130	59657	21.32	ug/l	98
45) 1,2-Dichloropropane	6.38	63	49757	21.36	ug/l	92
46) Dibromomethane	6.22	93	40658	20.10	ug/l	92
47) Bromodichloromethane	6.52	83	102535	20.95	ug/l	97
48) Methyl methacrylate	6.85	41	43190	21.03	ug/l	91
49) 1,4-Dioxane	6.84	88	6295	555.68	ug/l #	88
51) 4-Methyl-2-Pentanone	8.38	43	258915	114.07	ug/l	98
52) Toluene	7.76	92	123201	20.19	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	98147	22.00	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	100952	20.83	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50953	21.51	ug/l	93
56) Ethyl methacrylate	8.74	69	61749	21.04	ug/l	98
57) 1,3-Dichloropropane	8.98	76	82242	20.24	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.75	63	22867	103.88	ug/l	100
59) 2-Hexanone	9.60	43	206387	111.69	ug/l	95
60) Dibromochloromethane	8.83	129	79347	21.69	ug/l	93
61) 1,2-Dibromoethane	9.11	107	59055	20.55	ug/l	99
64) Tetrachloroethene	8.28	164	60359	21.95	ug/l	98
65) Chlorobenzene	9.92	112	168008	21.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	74121	21.82	ug/l	91
67) Ethyl Benzene	10.02	91	278880	20.93	ug/l	95
68) m/p-Xylenes	10.24	106	207661	43.78	ug/l	95
69) o-Xylene	10.81	106	114388	21.56	ug/l	99
70) Styrene	10.89	104	167026	20.67	ug/l	97
71) Bromoform	10.88	173	48781	20.95	ug/l	96
73) Isopropylbenzene	11.21	105	335014	22.69	ug/l	98
74) N-amyl acetate	11.45	43	122621	22.89	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	80941	21.71	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	63614	22.62	ug/l	93
77) Bromobenzene	11.57	156	92712	22.64	ug/l	97
78) n-propylbenzene	11.67	91	399828	22.55	ug/l	98
79) 2-Chlorotoluene	11.80	91	242914	22.43	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	299657	23.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	38069	22.74	ug/l	96
82) 4-Chlorotoluene	11.98	91	256320	22.09	ug/l	96
83) tert-Butylbenzene	12.21	119	302102	23.36	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	302747	22.23	ug/l	97
85) sec-Butylbenzene	12.37	105	392044	22.87	ug/l	98
86) p-Isopropyltoluene	12.52	119	340763	23.68	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	170688	22.73	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	161355	22.06	ug/l	98
89) n-Butylbenzene	12.91	91	340902	23.34	ug/l	95
90) Hexachloroethane	12.98	117	80434	22.43	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	163866	22.04	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16540	20.01	ug/l	93

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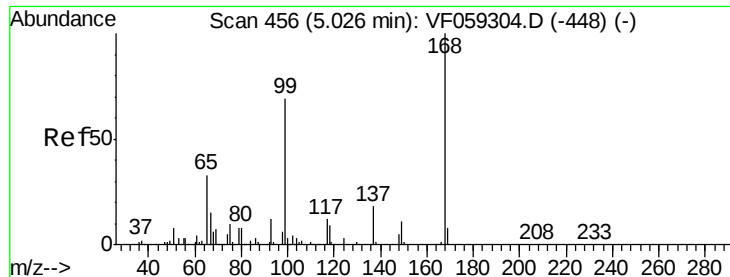
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	128032	23.29	ug/l	97
94) Hexachlorobutadiene	14.25	225	72537	23.62	ug/l	99
95) Naphthalene	14.52	128	252594	21.96	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	116977	22.46	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion:168 Resp: 279197

Ion Ratio Lower Upper

168 100

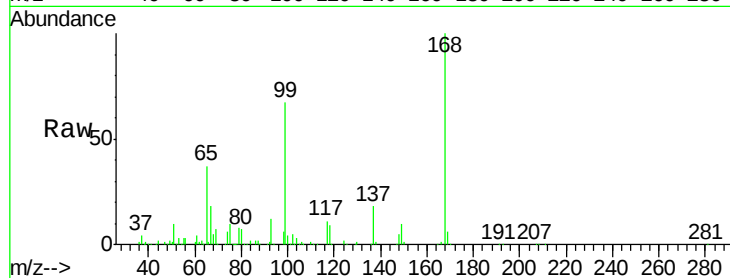
99 67.0 54.9 82.3

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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

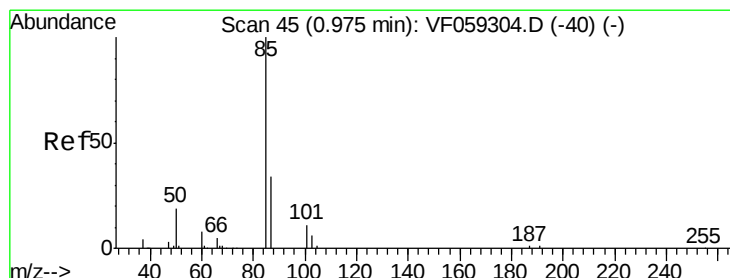
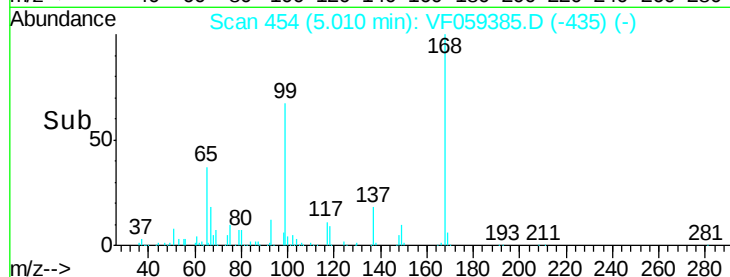
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.68 ug/l

RT: 0.97 min Scan# 44

Delta R.T. -0.01 min

Lab File: VF059385.D

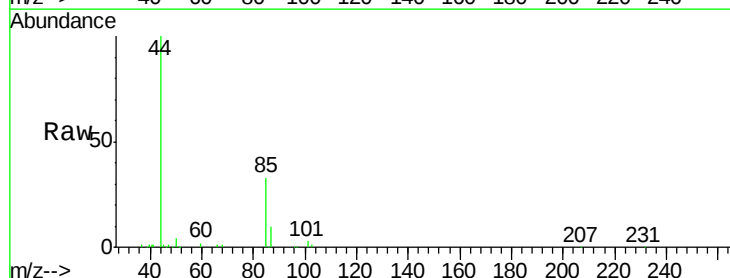
Acq: 2 Jul 2018 14:22

Tgt Ion: 85 Resp: 52763

Ion Ratio Lower Upper

85 100

87 29.9 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

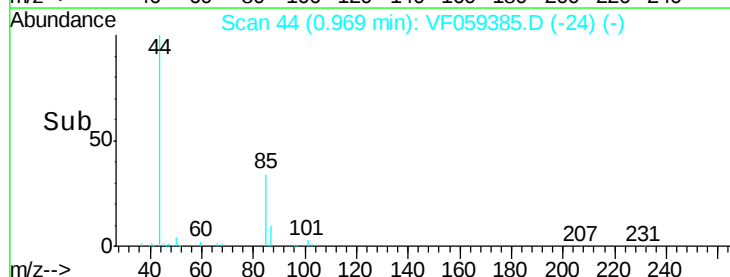
15000

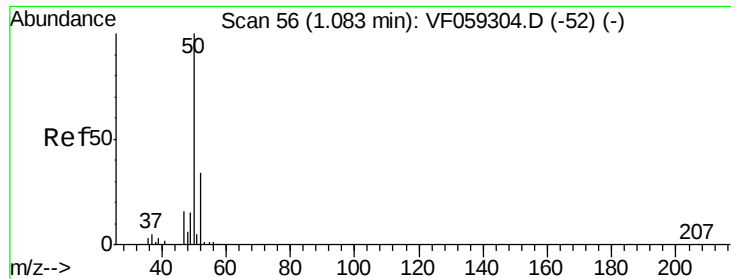
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.69 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 50 Resp: 30317

Ion Ratio Lower Upper

50 100

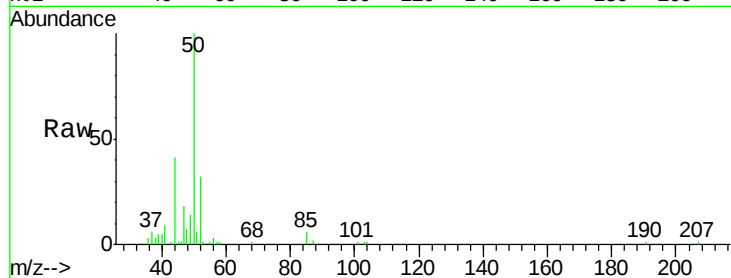
52 32.2 26.7 40.1

Manual Integrations

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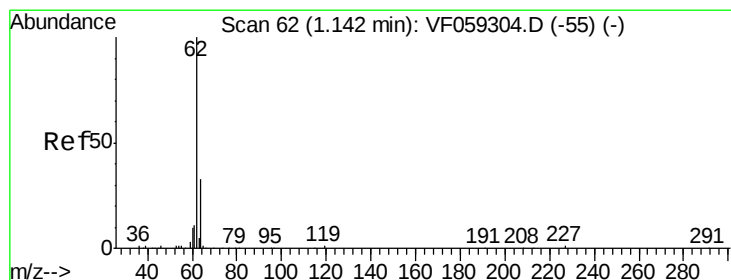
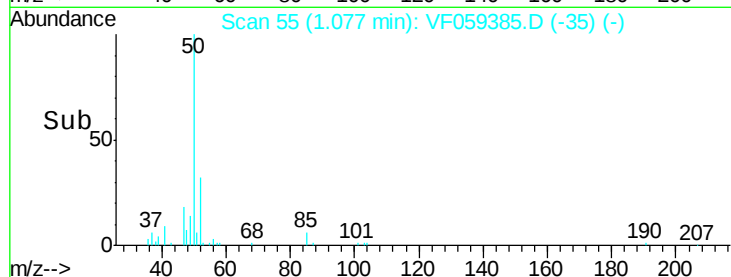
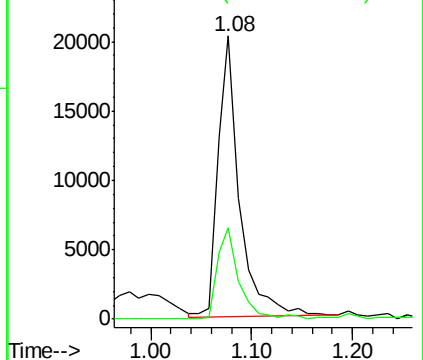
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.82 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059385.D

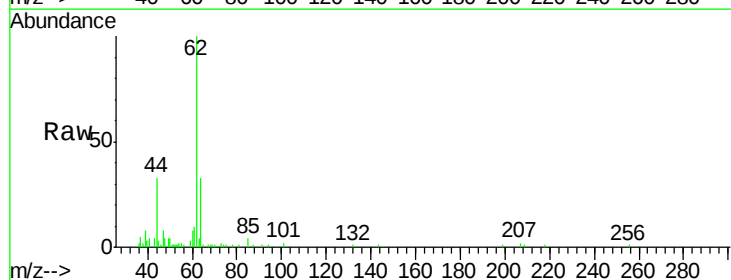
Acq: 2 Jul 2018 14:22

Tgt Ion: 62 Resp: 35119

Ion Ratio Lower Upper

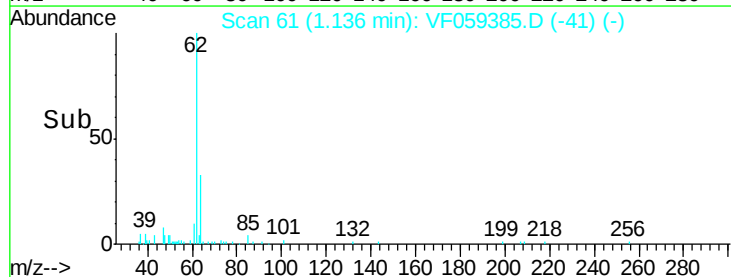
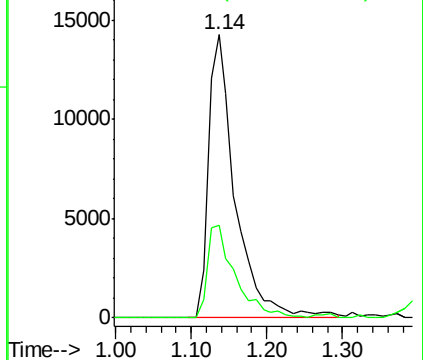
62 100

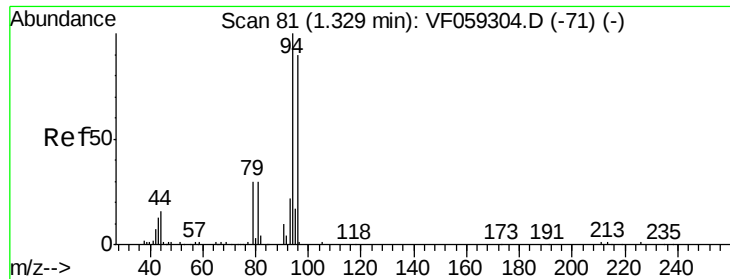
64 32.6 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 16.55 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 94 Resp: 18930

Ion Ratio Lower Upper

94 100

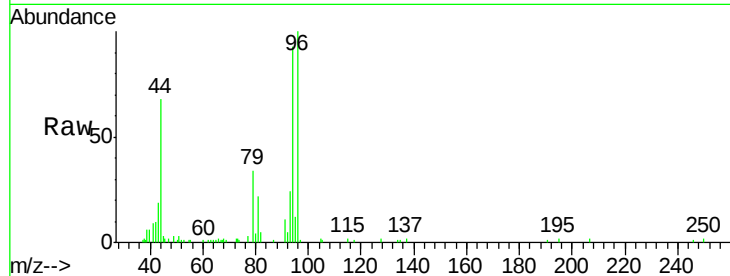
96 108.1 73.4 110.0

Manual Integrations

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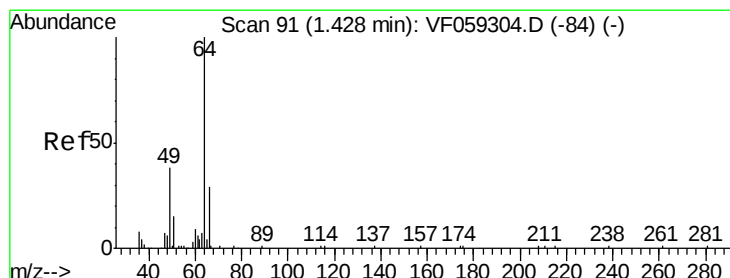
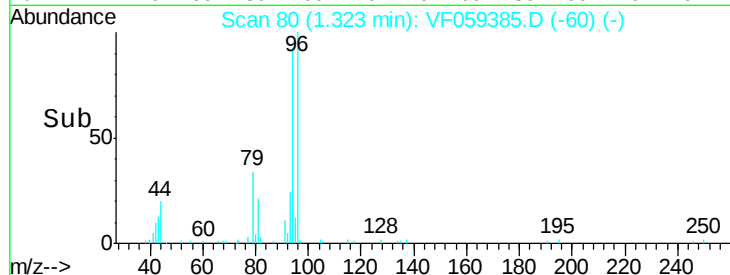
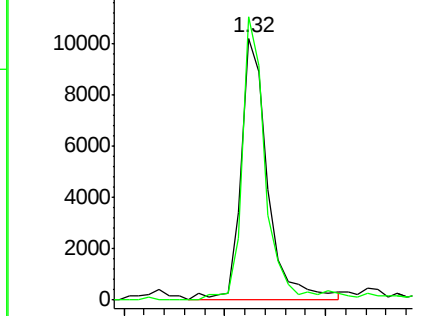
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 16.92 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059385.D

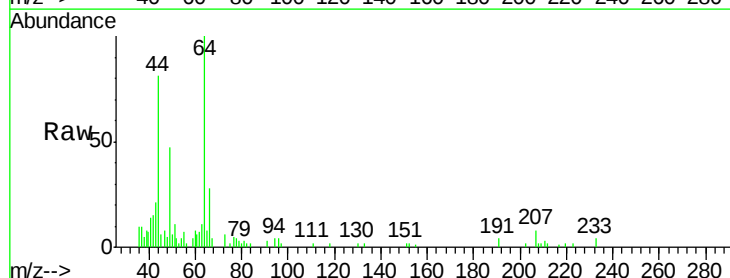
Acq: 2 Jul 2018 14:22

Tgt Ion: 64 Resp: 14376

Ion Ratio Lower Upper

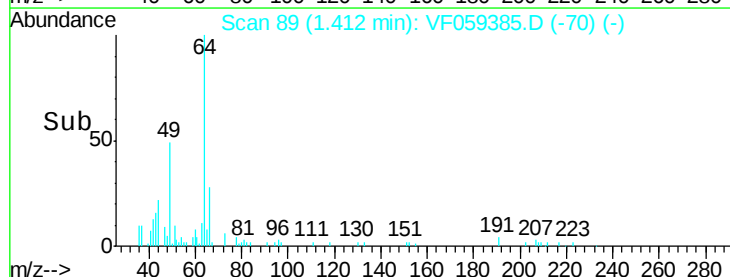
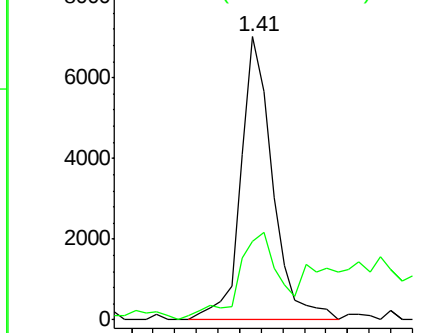
64 100

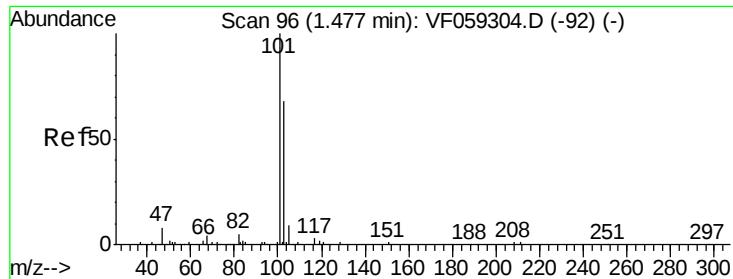
66 27.8 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 22.08 ug/l m

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

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Tot Ion:101 Resp: 73642

Ion Ratio Lower Upper

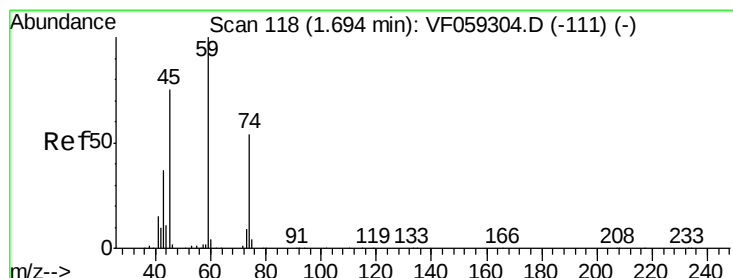
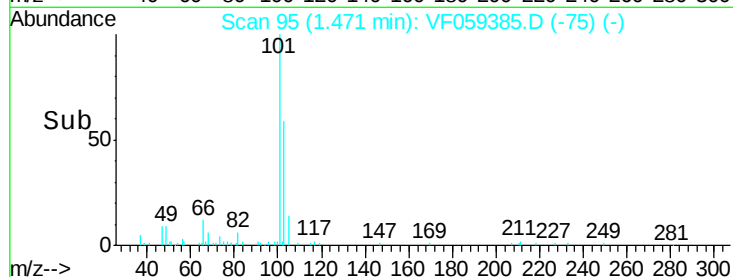
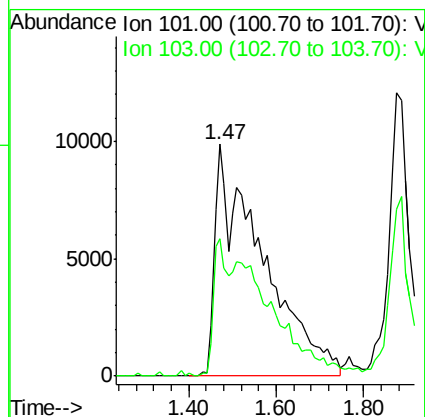
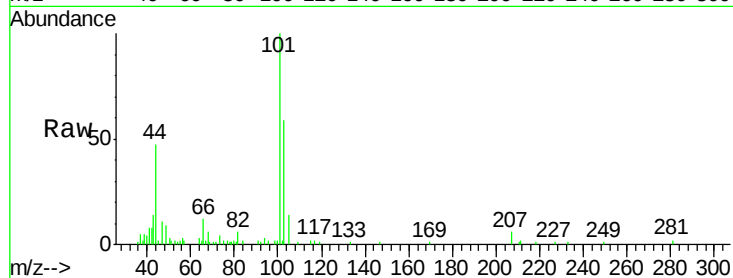
101 100

103 59.1 54.2 81.2

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#8

Diethyl Ether

Concen: 20.35 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059385.D

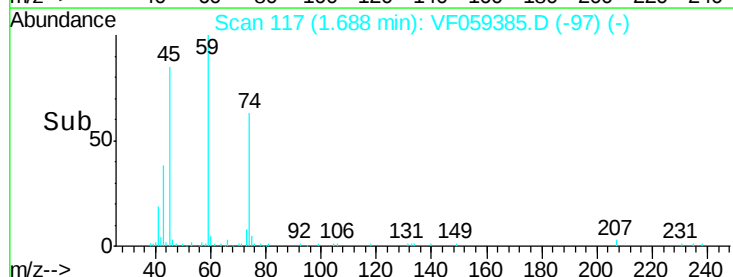
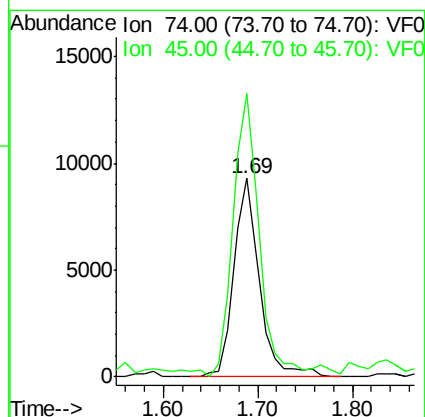
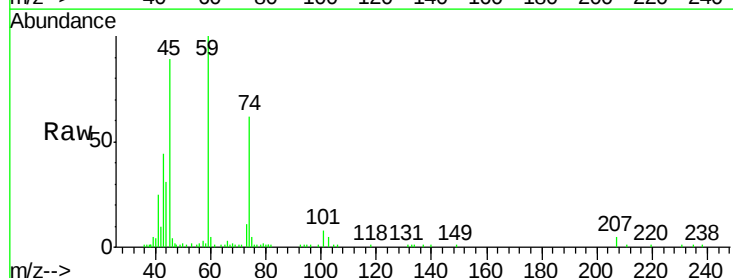
Acq: 2 Jul 2018 14:22

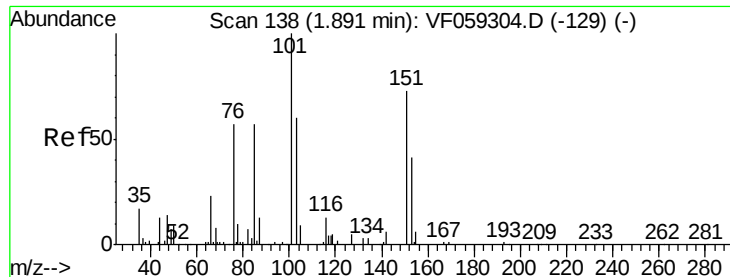
Tgt Ion: 74 Resp: 17406

Ion Ratio Lower Upper

74 100

45 142.4 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.75 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.02 min

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Instrument :

MSVOA_F

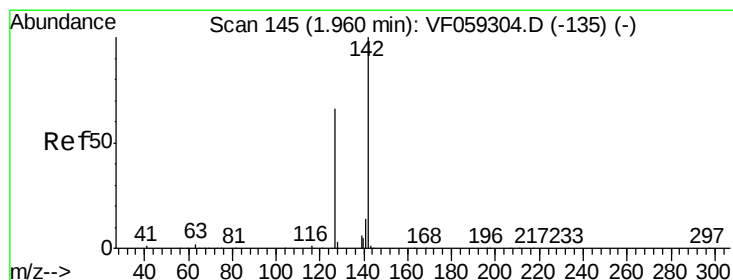
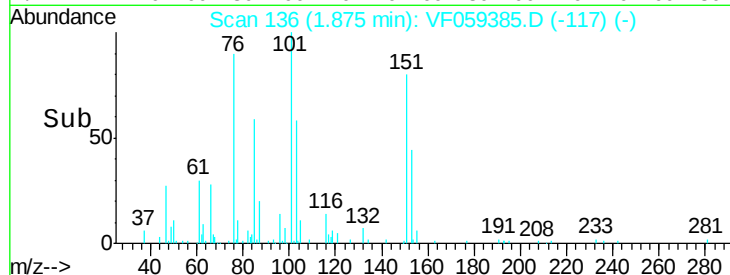
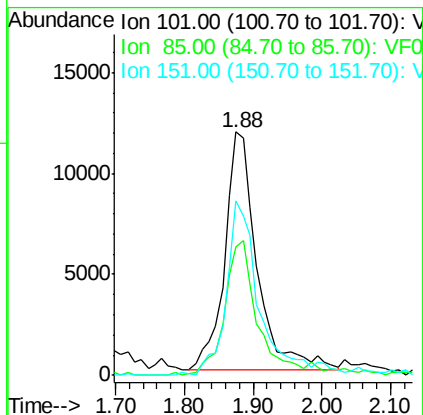
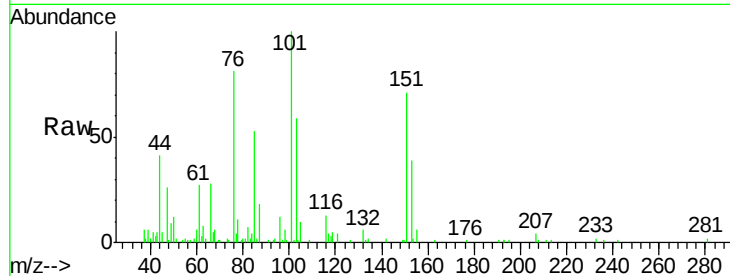
ClientSampleId :

VF0702SBS01

Tot Ion:	101	Resp:	38450
Ion Ratio	Lower	Upper	
101	100		
85	52.8	44.5	66.7
151	71.4	56.8	85.2

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#10

Methyl Iodide

Concen: 17.84 ug/l

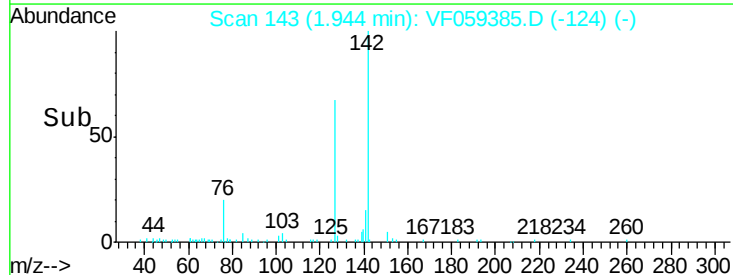
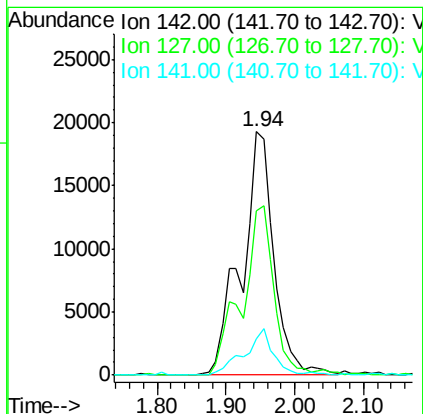
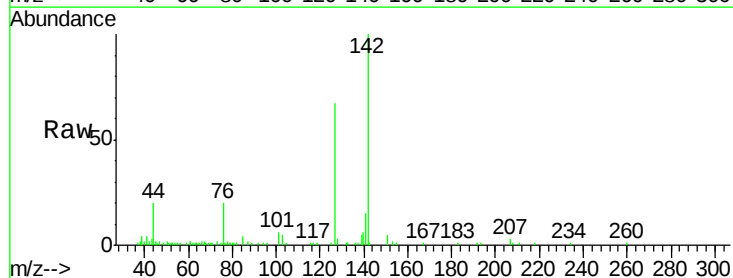
RT: 1.94 min Scan# 143

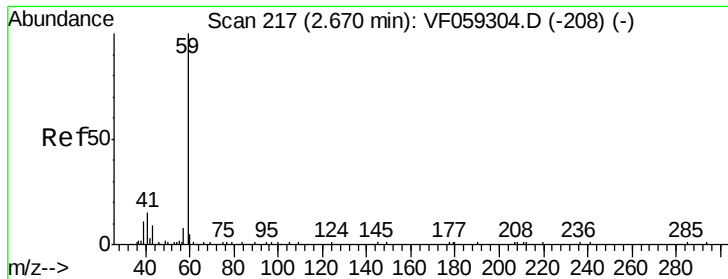
Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	142	Resp:	63340
Ion Ratio	Lower	Upper	
142	100		
127	67.3	52.5	78.7
141	14.8	11.5	17.3





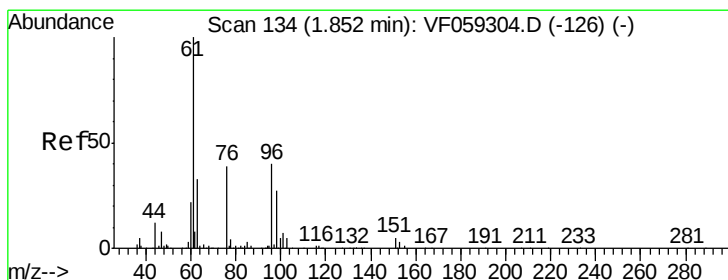
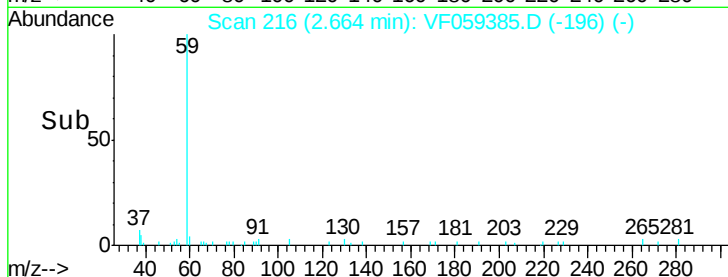
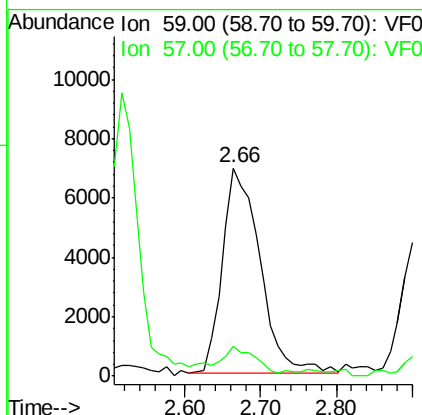
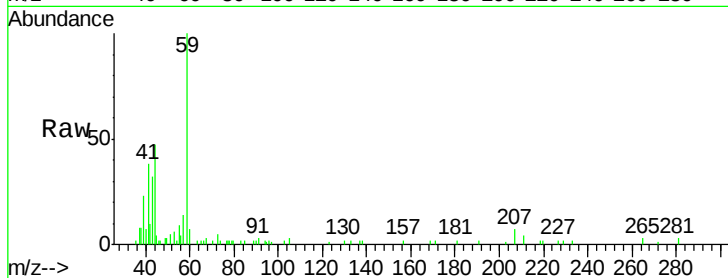
#11
Tert butyl alcohol
Concen: 98.70 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	59	Resp	23703
Ion Ratio	100	Lower	Upper
57	14.1	11.0	16.4

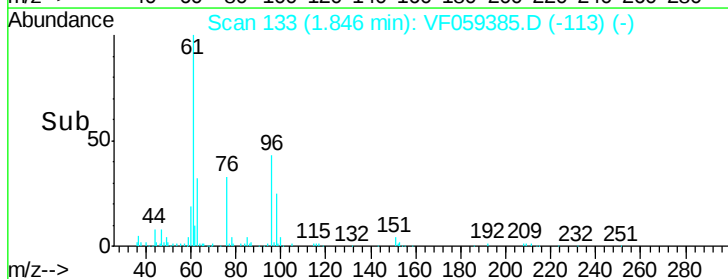
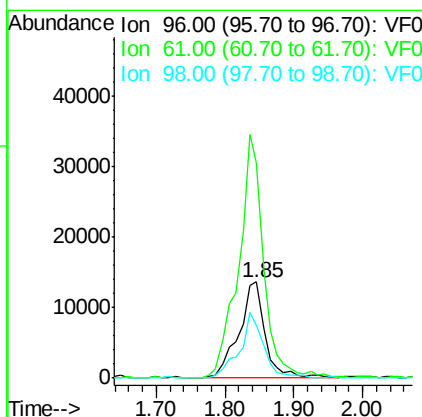
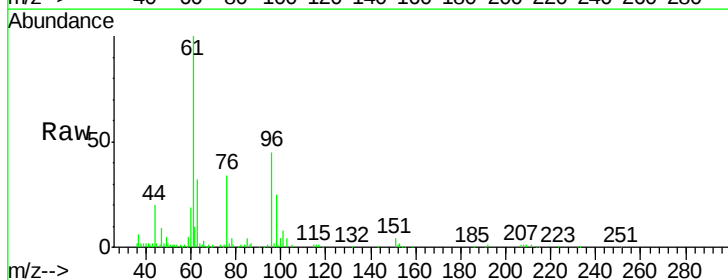
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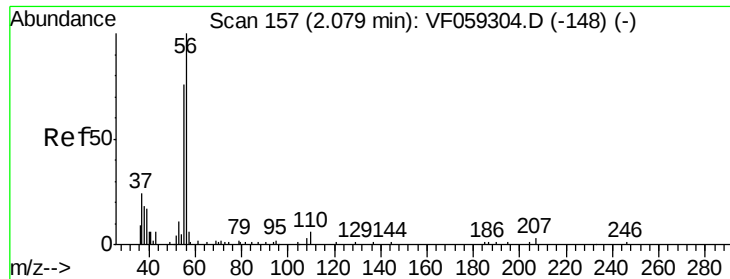
apatel
7/3/2018 10:34:31 AM



#12
1,1-Dichloroethene
Concen: 21.55 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	96	Resp	35466
Ion Ratio	100	Lower	Upper
61	224.7	201.1	301.7
98	55.6	53.9	80.9





#13

Acrolein

Concen: 101.44 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 56 Resp: 12931

Ion Ratio Lower Upper

56 100

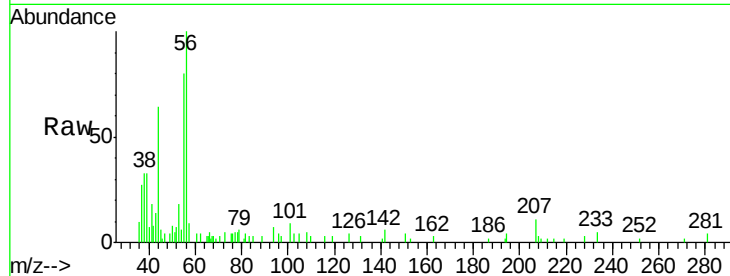
55 79.6 62.4 93.6

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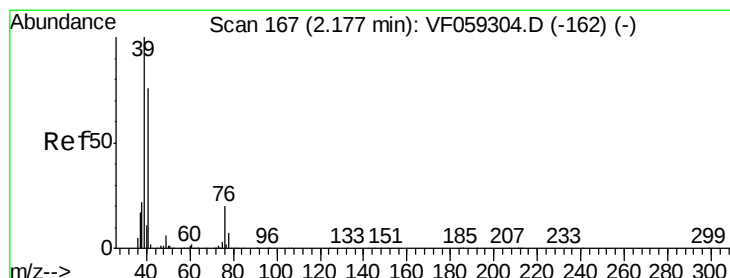
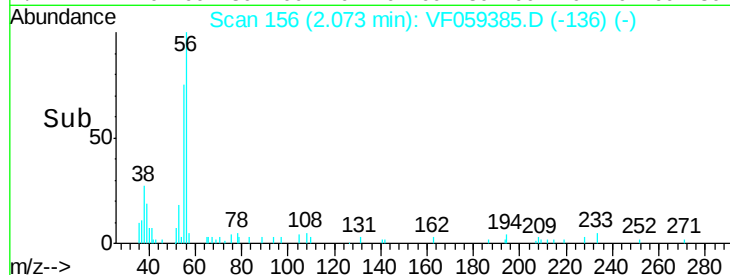
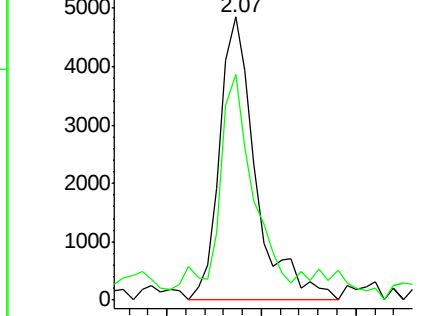
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.65 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

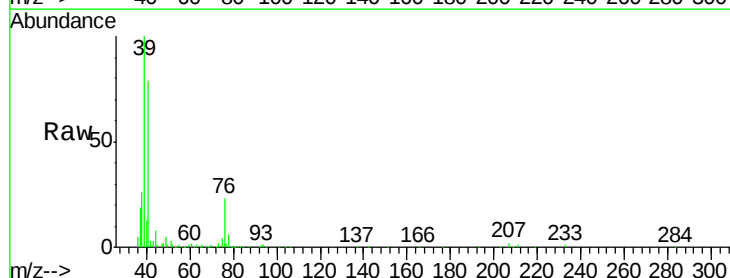
Tgt Ion: 41 Resp: 60712

Ion Ratio Lower Upper

41 100

39 126.3 105.6 158.4

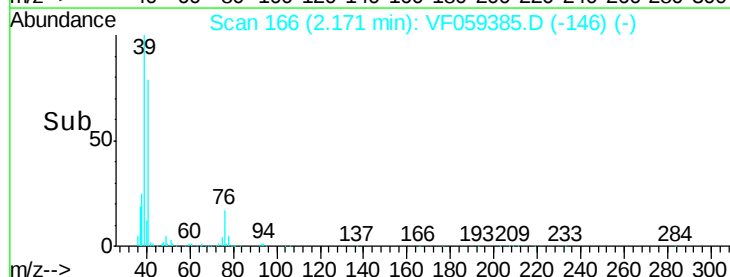
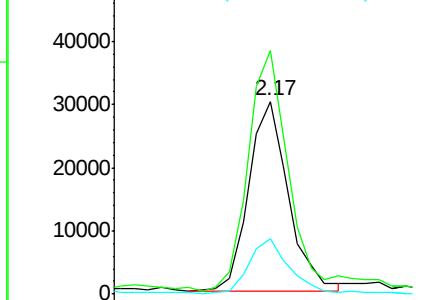
76 28.6 21.6 32.4

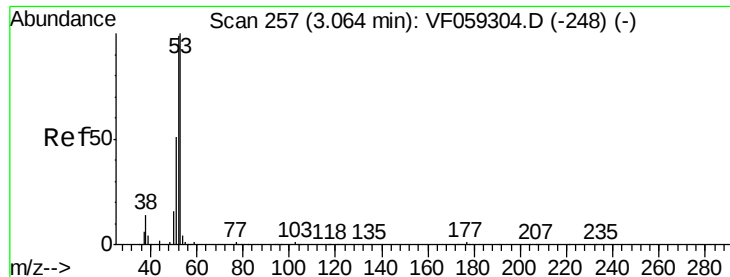


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 119.23 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

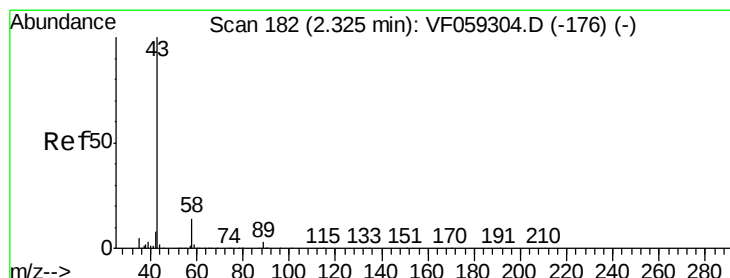
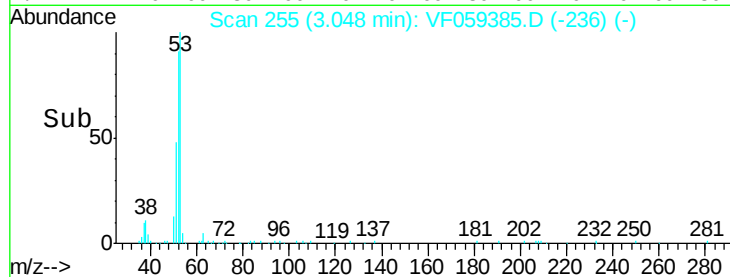
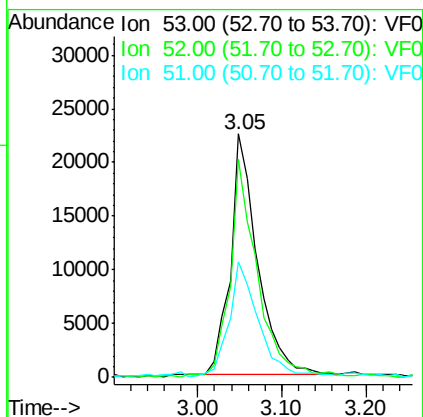
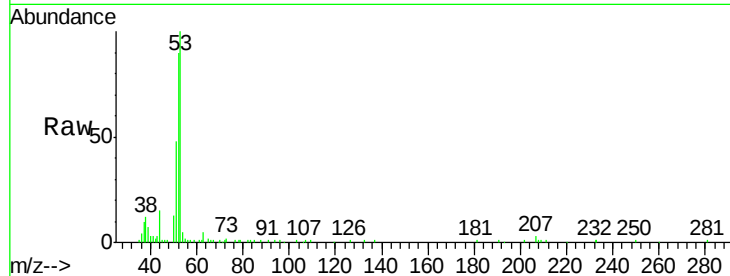
ClientSampleId :

VF0702SBS01

Tot Ion:	53	Resp:	50421
Ion Ratio	Lower	Upper	
53	100		
52	89.8	79.2	118.8
51	47.6	40.9	61.3

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#16

Acetone

Concen: 116.40 ug/l

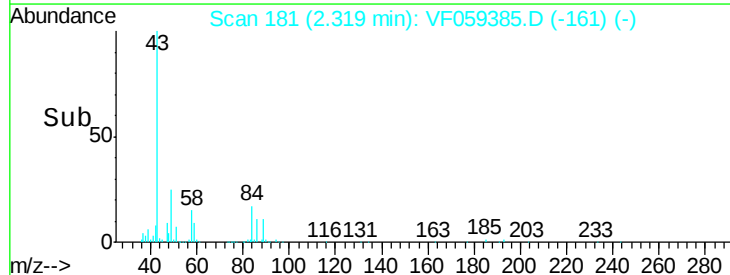
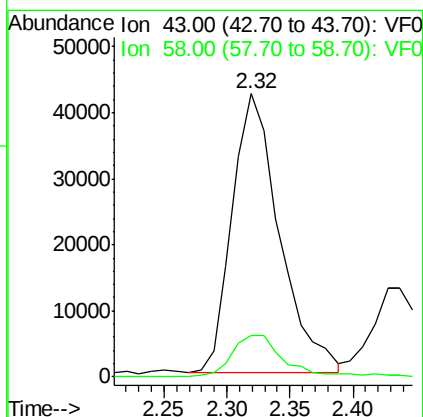
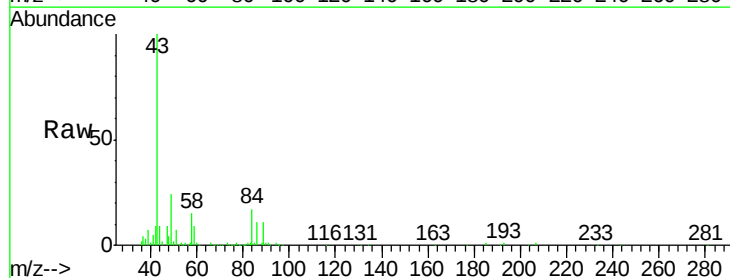
RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	43	Resp:	109771
Ion Ratio	Lower	Upper	
43	100		
58	14.8	11.4	17.0





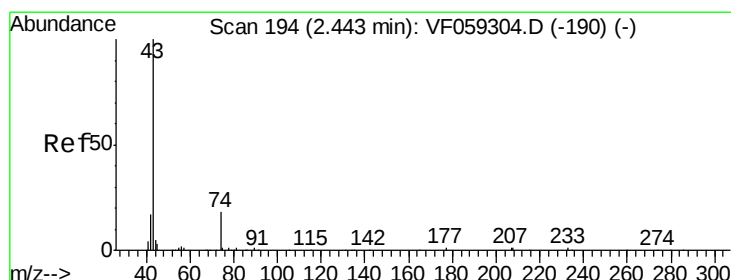
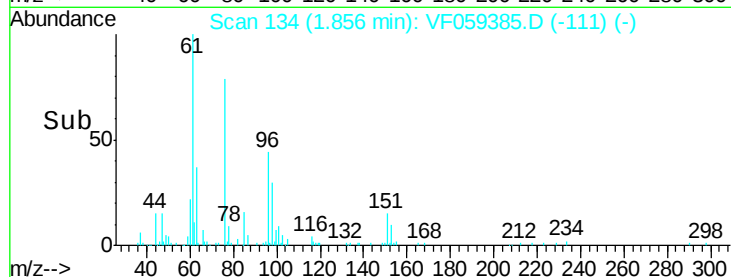
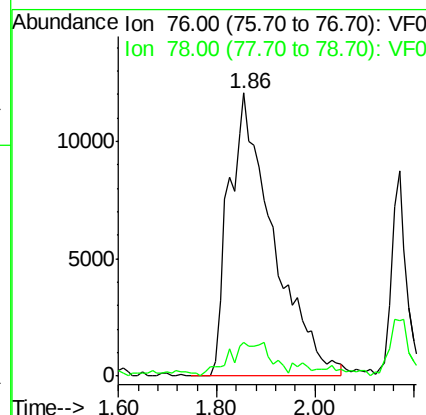
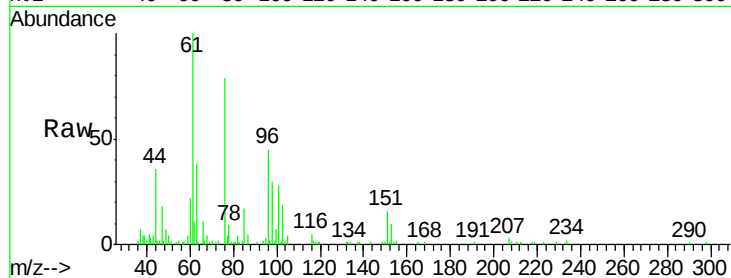
#17
Carbon Disulfide
Concen: 19.54 ug/l m
RT: 1.86 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion: 76 Resp: 75669
Ion Ratio Lower Upper
76 100
78 11.8 8.9 13.3

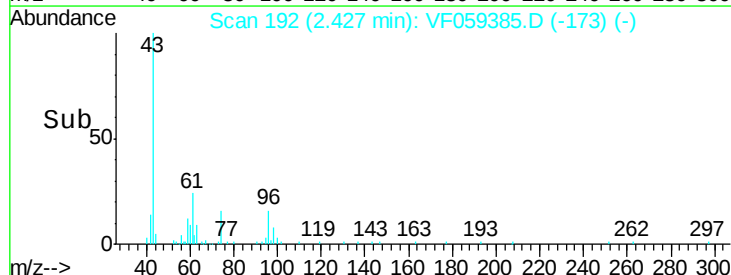
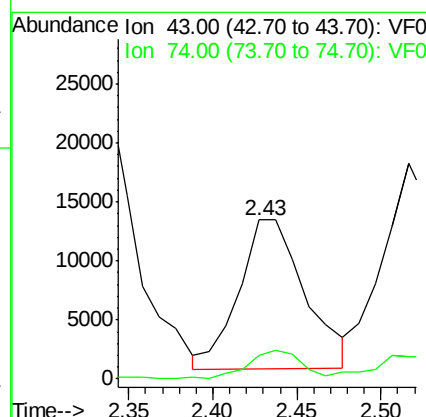
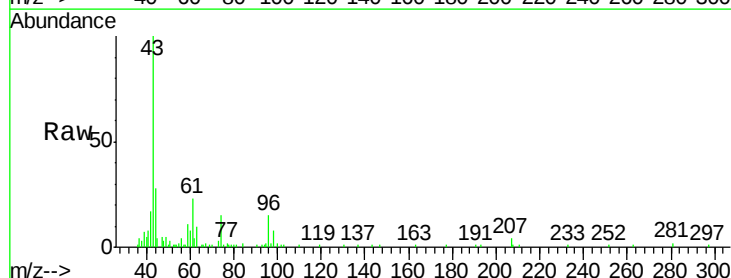
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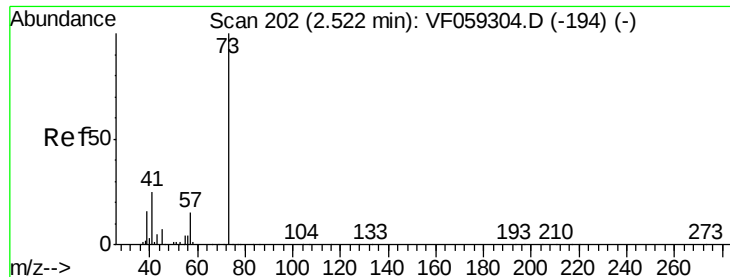
apatel
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#18
Methyl Acetate
Concen: 20.46 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 43 Resp: 34430
Ion Ratio Lower Upper
43 100
74 15.1 13.3 19.9





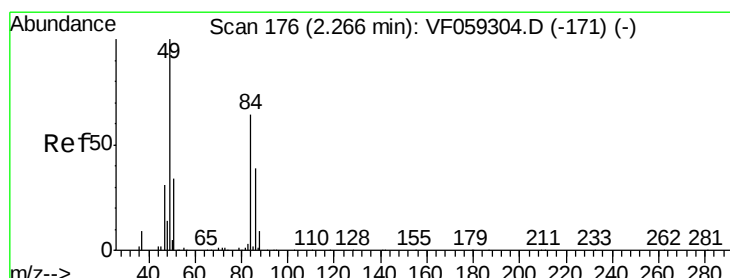
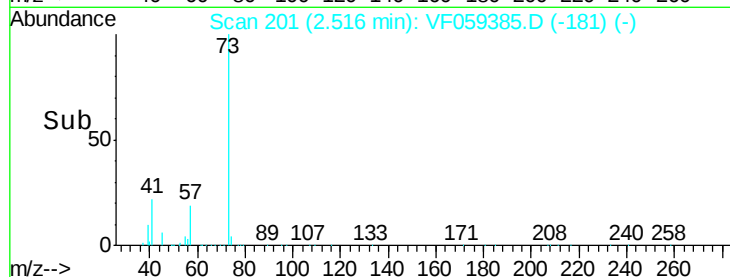
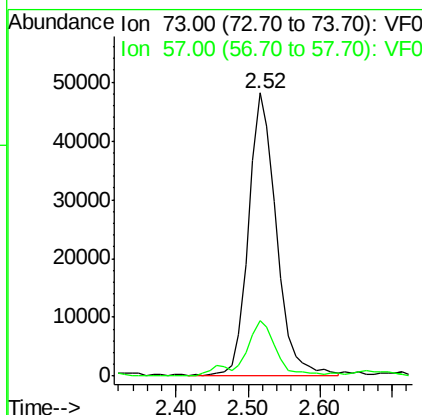
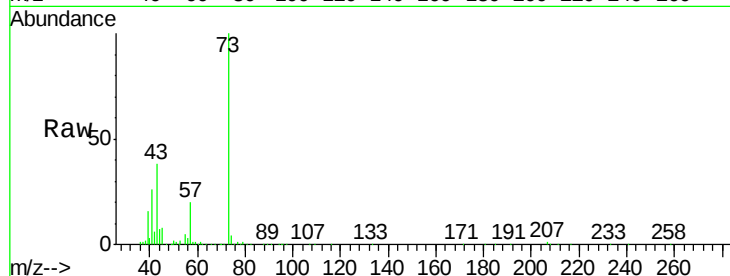
#19
Methvl tert-butvl Ether
Concen: 21.30 ug/l
RT: 2.52 min Scan# 201
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	12.3	18.5#

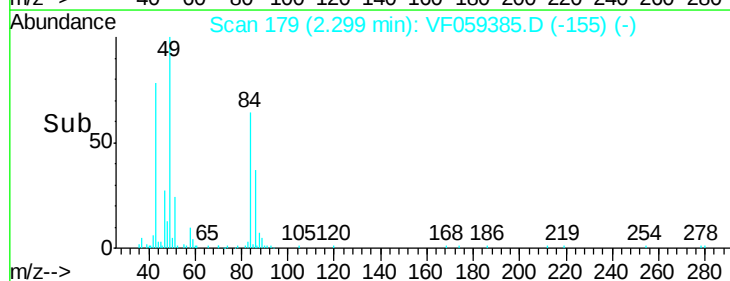
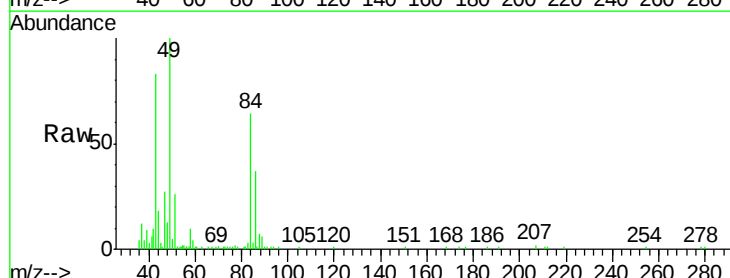
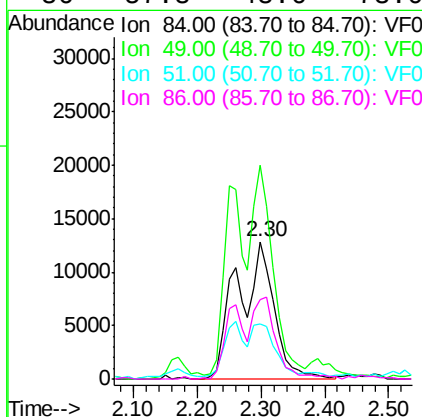
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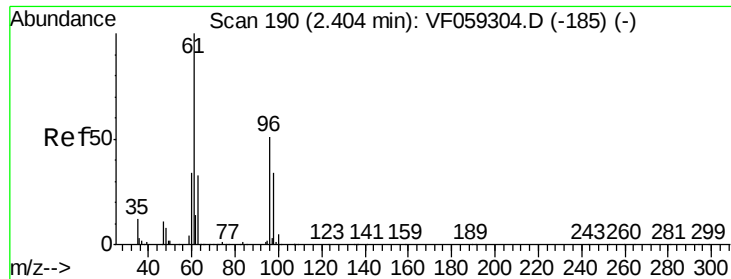
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#20
Methylene Chloride
Concen: 21.30 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.7	126.5	189.7
51	40.2	42.9	64.3#
86	57.8	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 21.42 ug/l

RT: 2.39 min Scan# 188

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

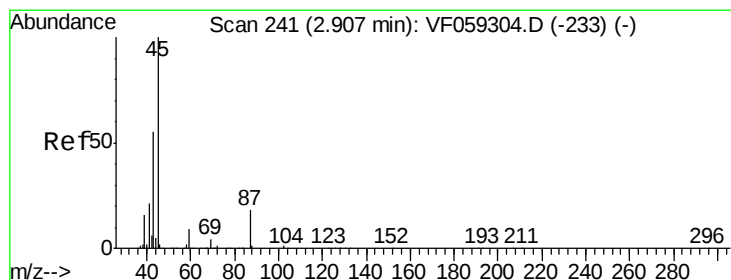
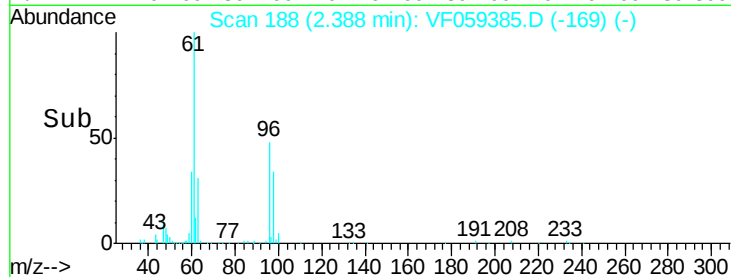
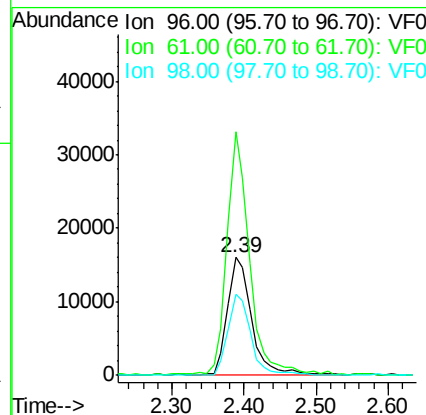
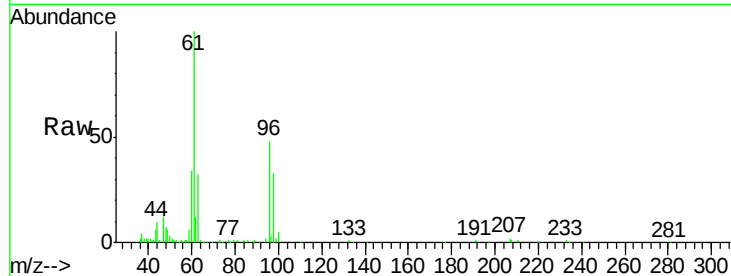
ClientSampleId :

VF0702SBS01

Tot Ion:	96	Resp:	37605
Ion	Ratio	Lower	Upper
96	100		
61	206.7	157.4	236.2
98	69.0	53.7	80.5

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#22

Diisopropyl ether

Concen: 20.62 ug/l

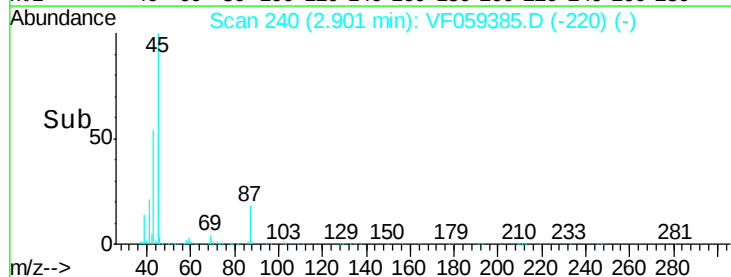
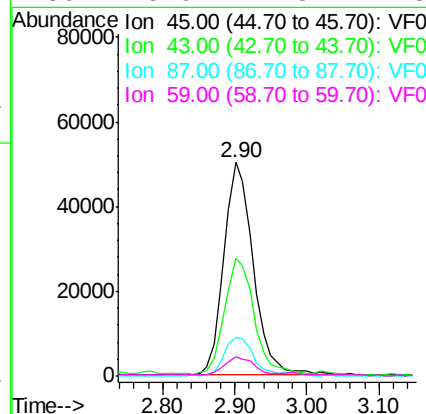
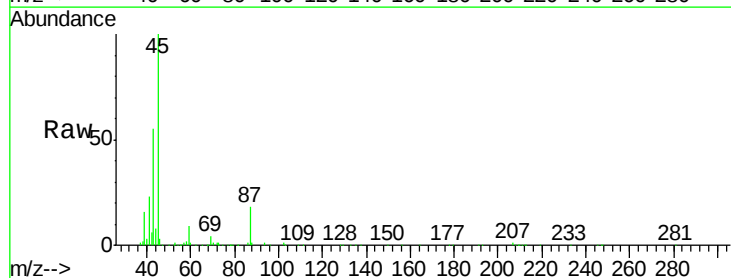
RT: 2.90 min Scan# 240

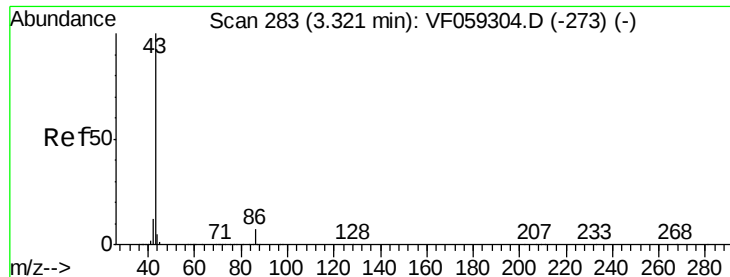
Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	45	Resp:	141084
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.6	66.8
87	17.9	14.3	21.5
59	8.9	7.5	11.3





#23

Vinyl Acetate

Concen: 110.13 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 43 Resp: 479915

Ion Ratio Lower Upper

43 100

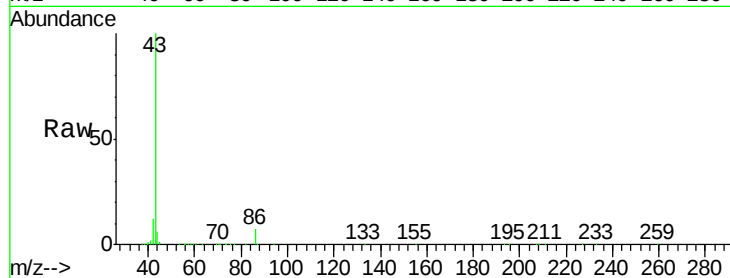
86 7.4 5.8 8.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.30

200000

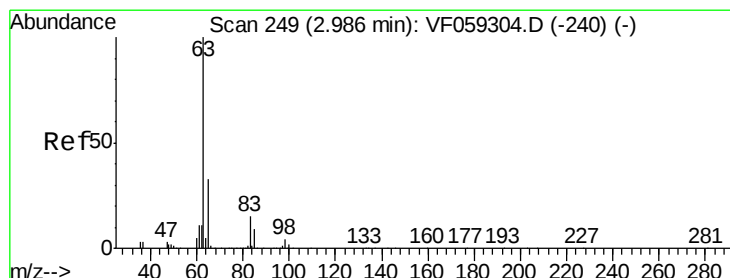
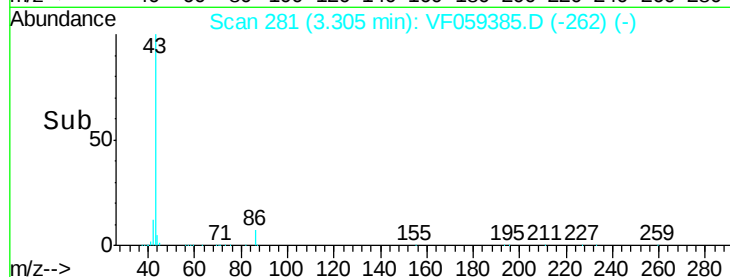
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.00 ug/l

RT: 2.98 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

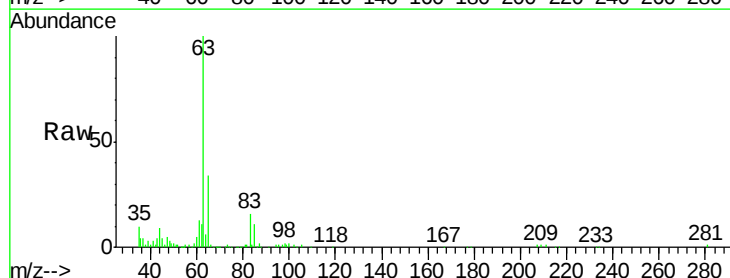
Tgt Ion: 63 Resp: 89100

Ion Ratio Lower Upper

63 100

98 3.2 2.0 6.0

100 1.9 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.98

40000

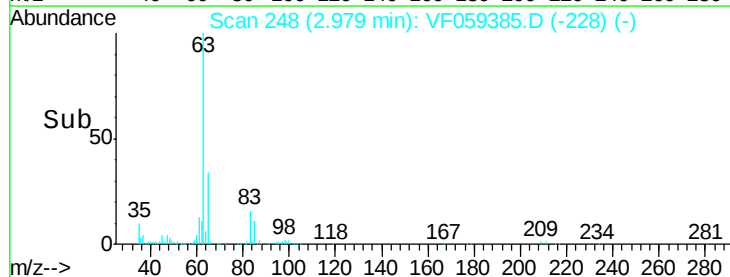
30000

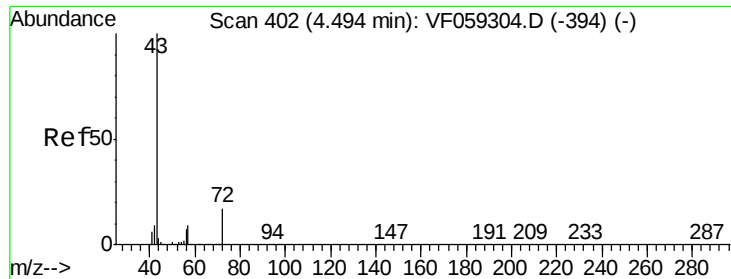
20000

10000

0

Time-->





#25

2-Butanone

Concen: 118.17 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 43 Resp: 130526

Ion Ratio Lower Upper

43 100

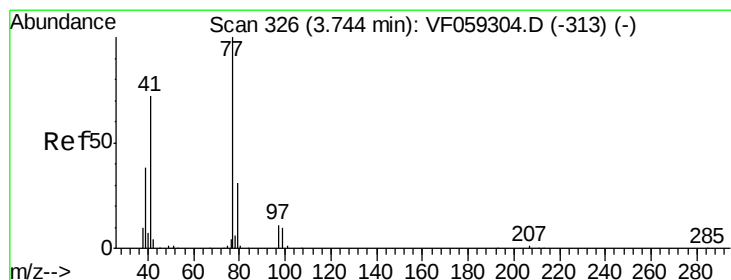
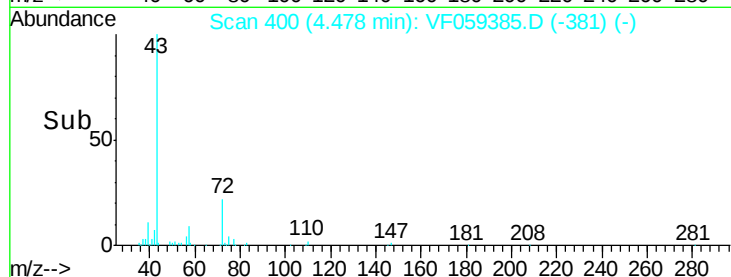
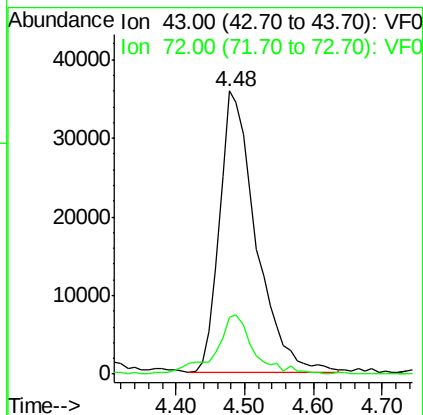
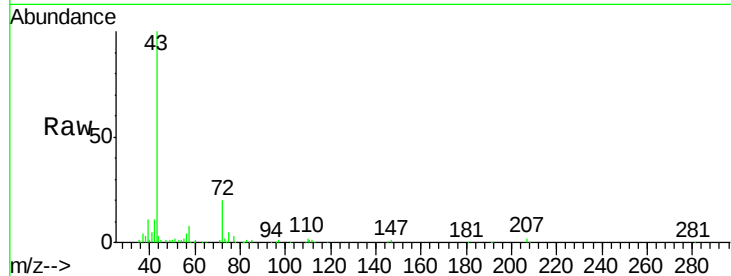
72 20.1 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 3.73 min Scan# 324

Delta R.T. -0.02 min

Lab File: VF059385.D

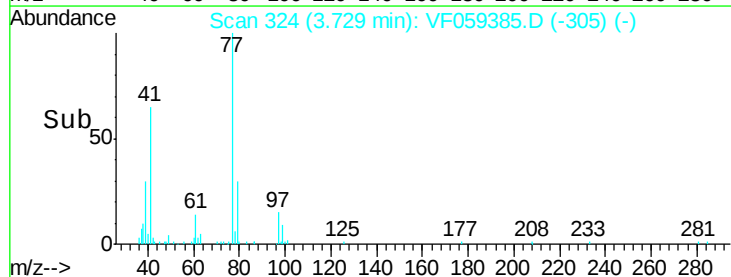
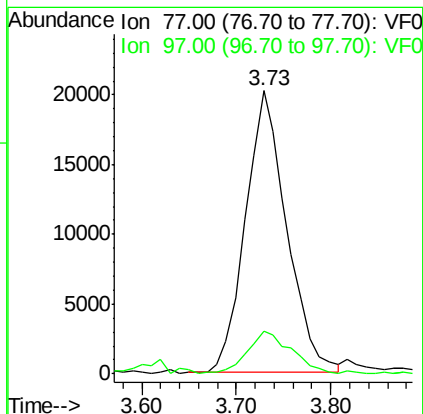
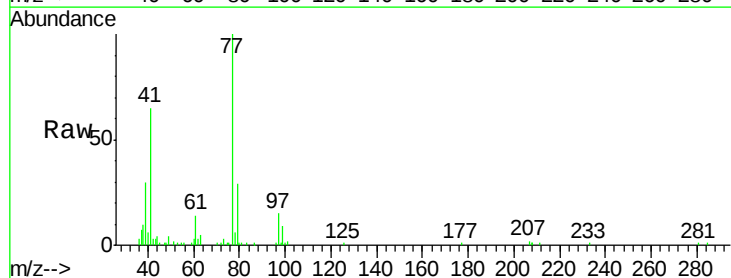
Acq: 2 Jul 2018 14:22

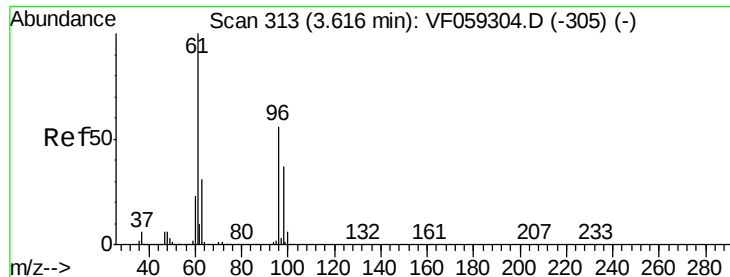
Tgt Ion: 77 Resp: 60995

Ion Ratio Lower Upper

77 100

97 15.2 8.0 23.8





#27

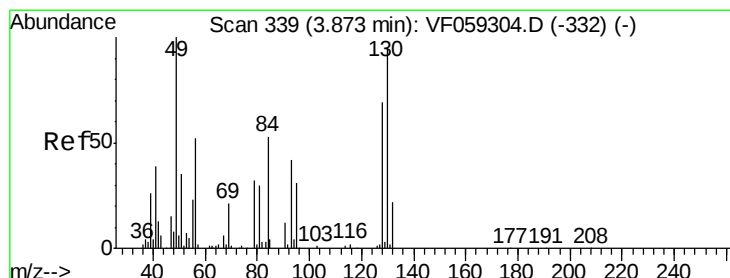
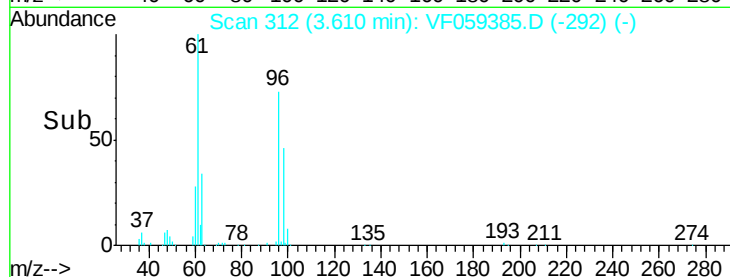
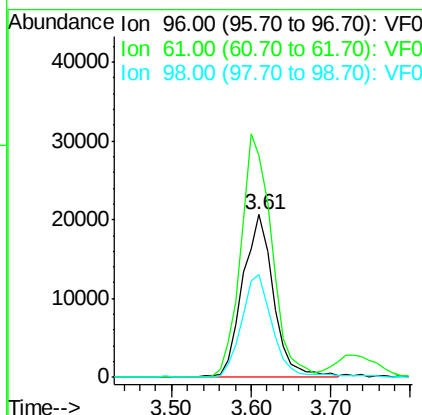
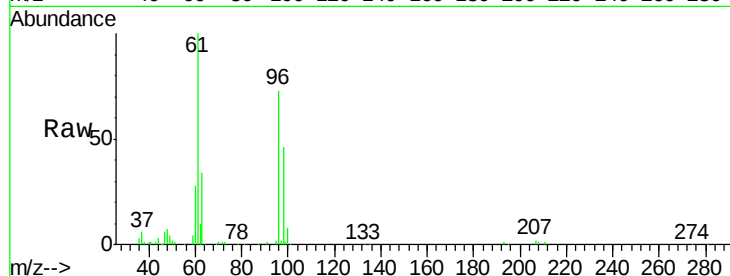
cis-1,2-Dichloroethene
Concen: 20.80 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.6	0.0	355.4	
98	63.3	0.0	131.0	

Manual Integrations
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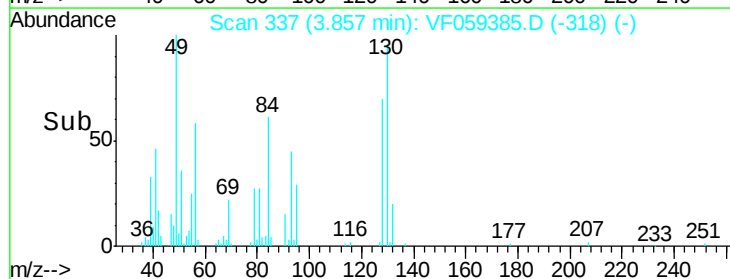
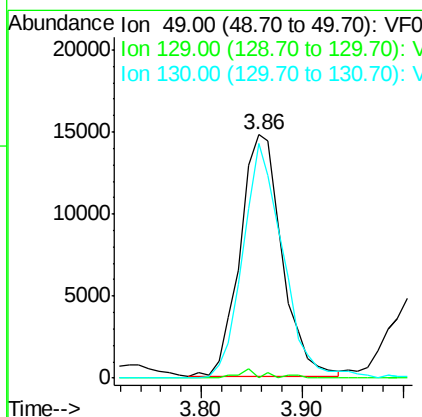
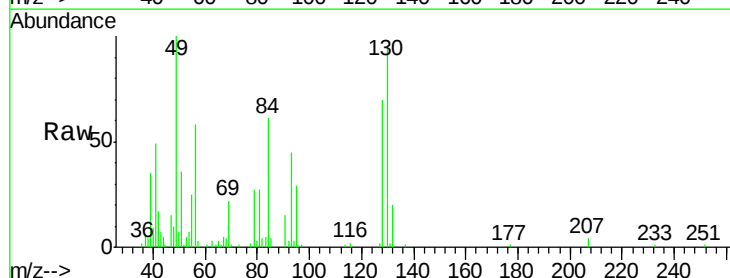
apatel
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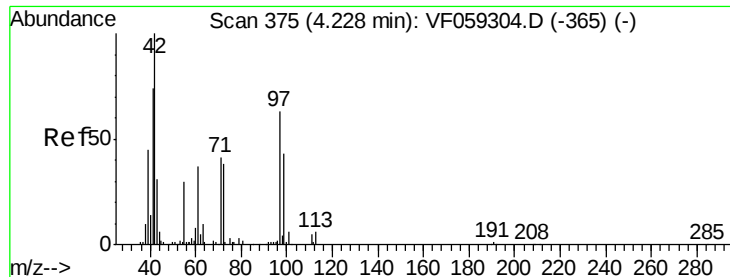


#28

Bromochloromethane
Concen: 23.76 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	6.4	
130	96.4	75.1	112.7	





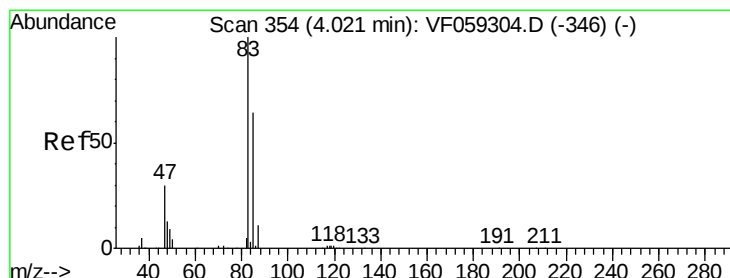
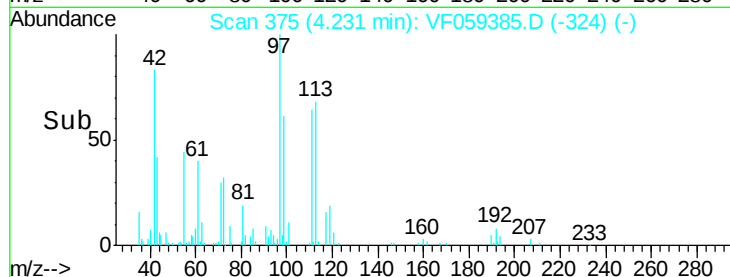
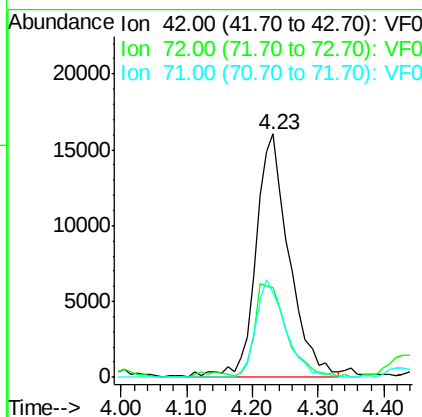
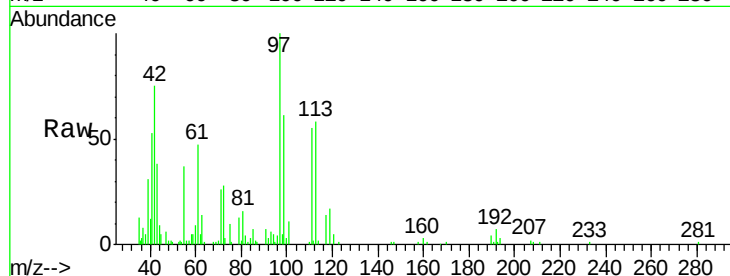
#29
Tetrahydrofuran
Concen: 117.39 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.5	45.7
71	36.1	32.5	48.7

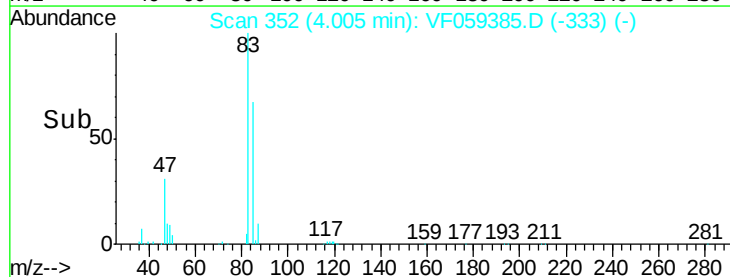
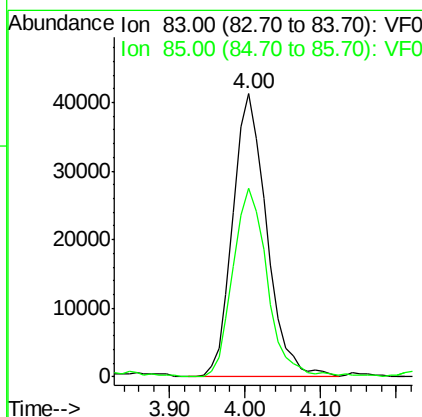
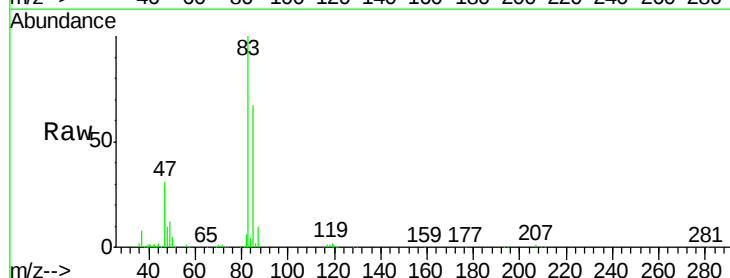
Manual Integrations
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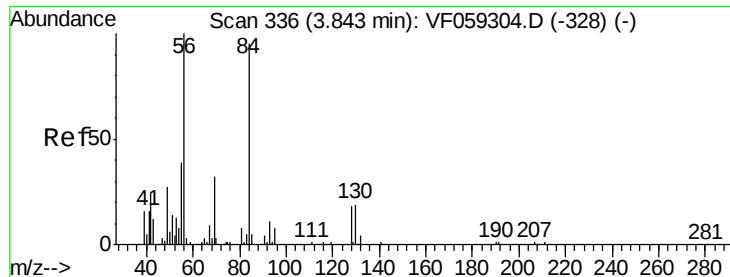
apatel
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#30
Chloroform
Concen: 20.88 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.3	76.9





#31

Cyclohexane

Concen: 20.35 ug/l

RT: 3.84 min Scan# 335

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

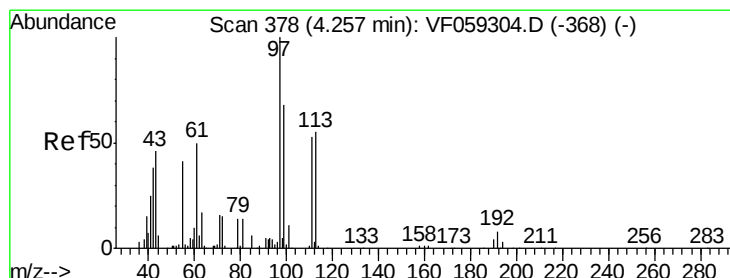
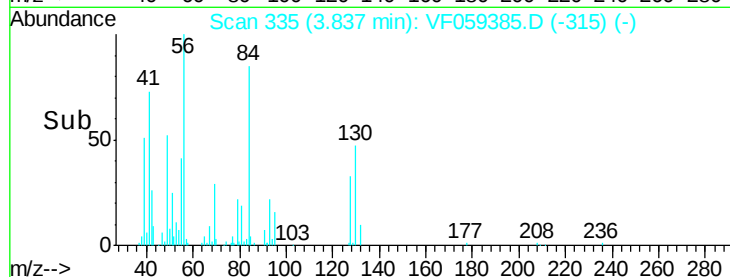
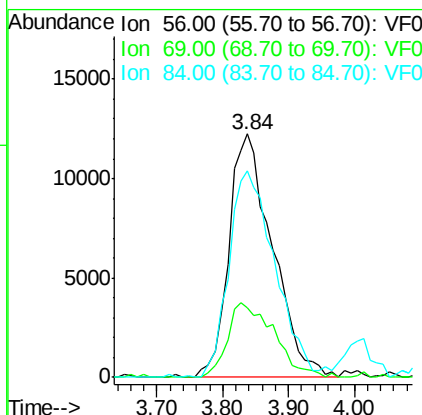
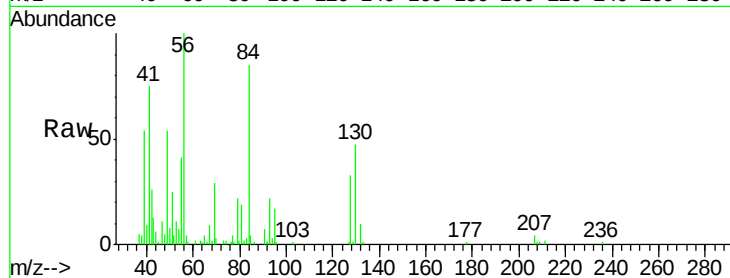
ClientSampleId :

VF0702SBS01

Tot Ion:	56	Resp:	56546
Ion Ratio	Lower	Upper	
56	100		
69	28.6	25.8	38.8
84	84.6	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 20.52 ug/l

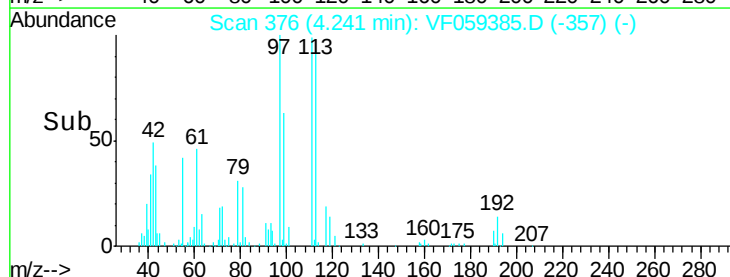
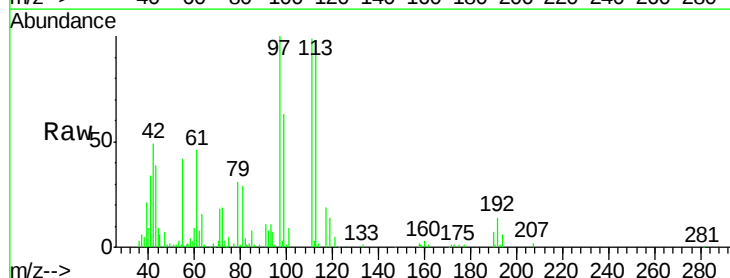
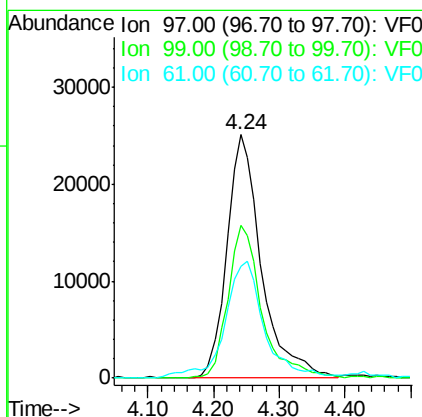
RT: 4.24 min Scan# 376

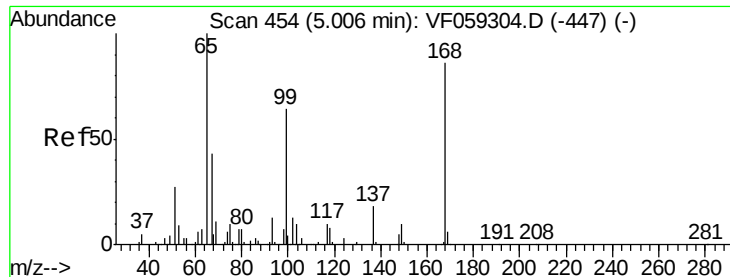
Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	97	Resp:	92215
Ion Ratio	Lower	Upper	
97	100		
99	62.9	54.1	81.1
61	45.9	41.2	61.8





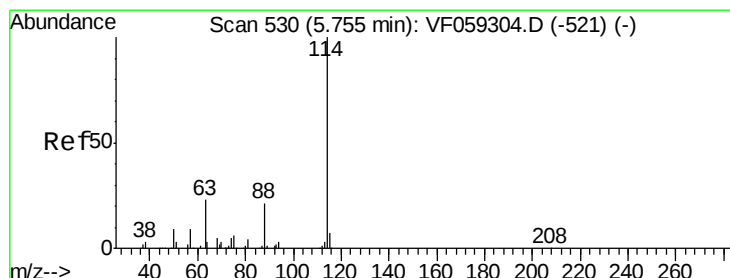
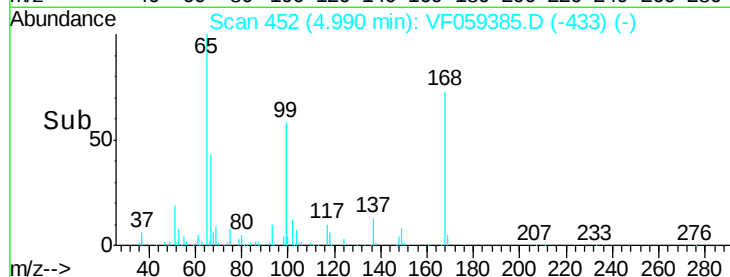
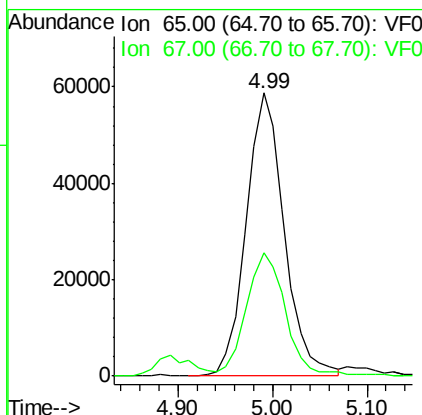
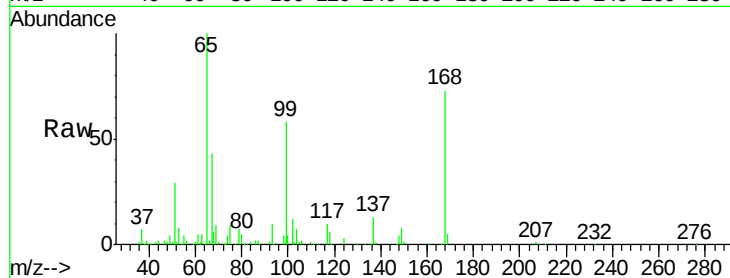
#33
 1,2-Dichloroethane-d4
 Concen: 45.57 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.5	0.0	96.8

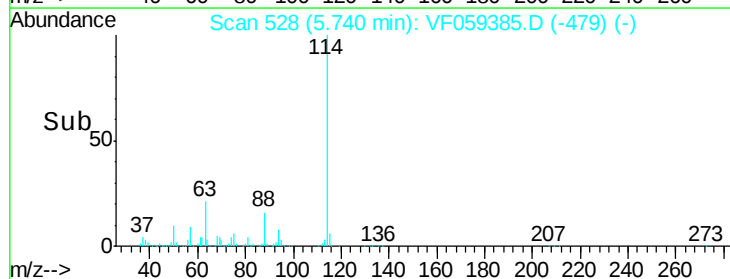
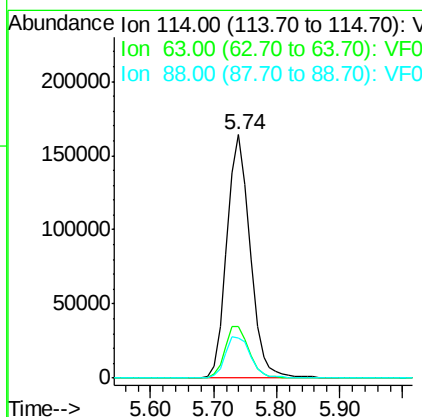
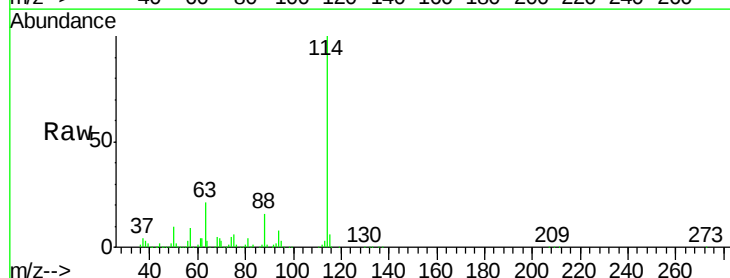
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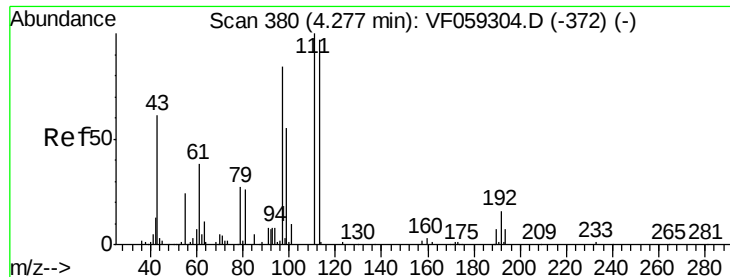
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	45.8
88	16.2	0.0	41.2





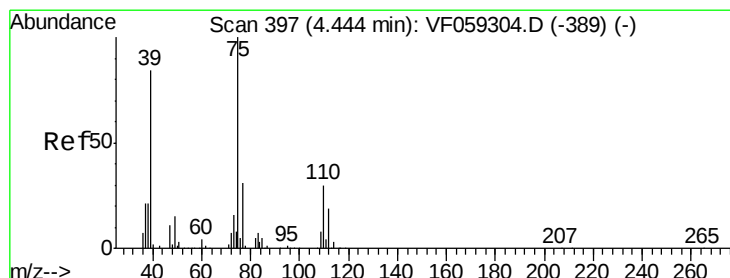
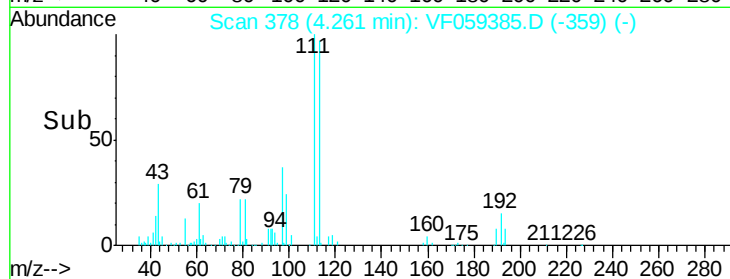
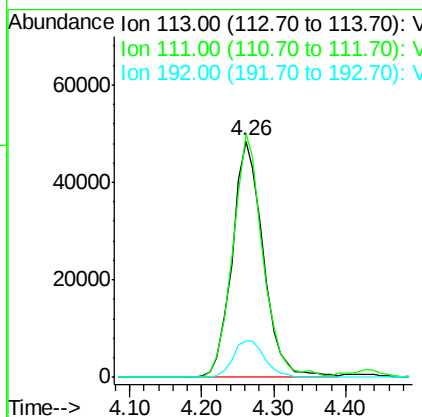
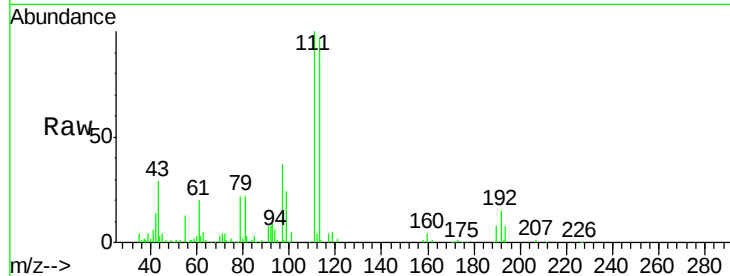
#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145661		
111	103.1	82.1	123.1	
192	15.4	13.0	19.6	

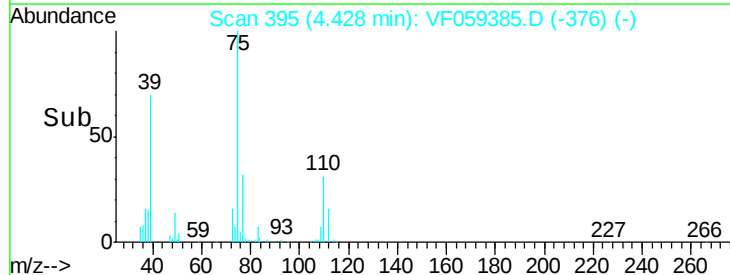
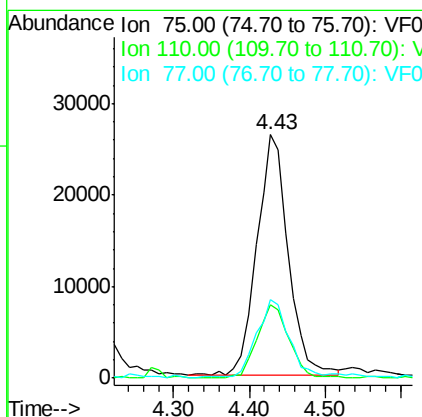
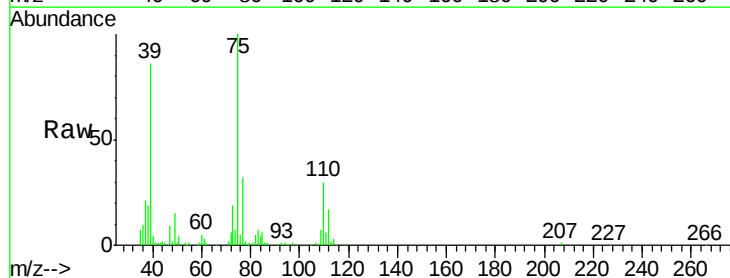
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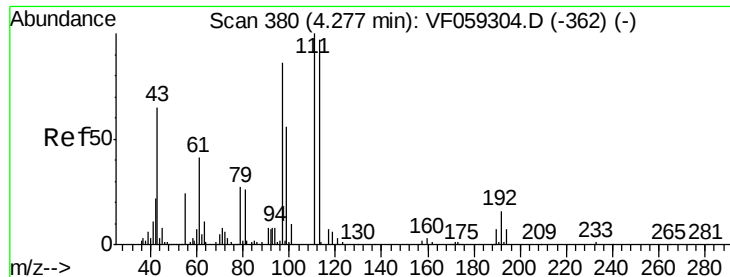
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.60 ug/l
 RT: 4.43 min Scan# 395
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75764		
110	30.0	14.8	44.4	
77	32.4	25.2	37.8	





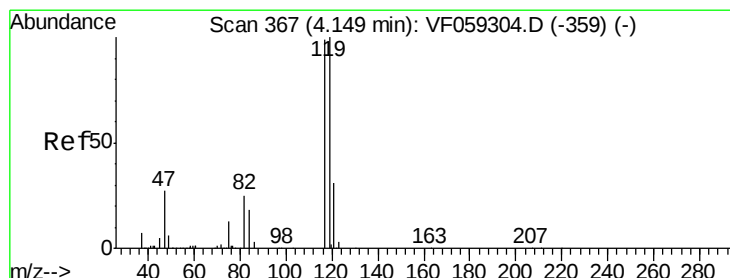
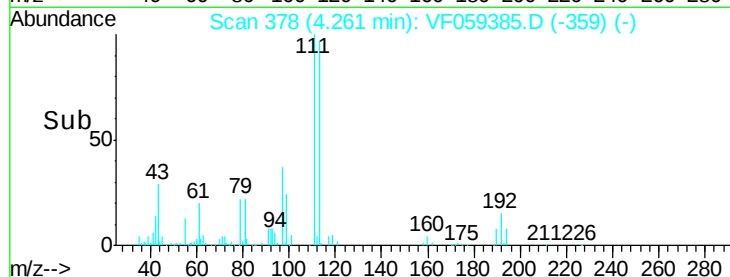
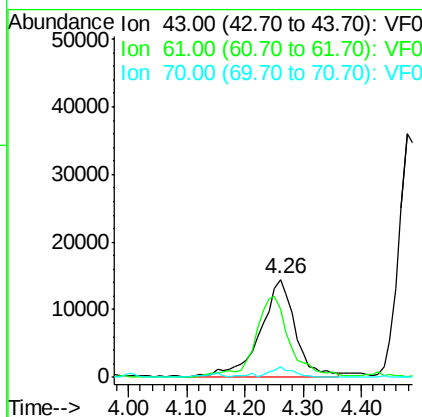
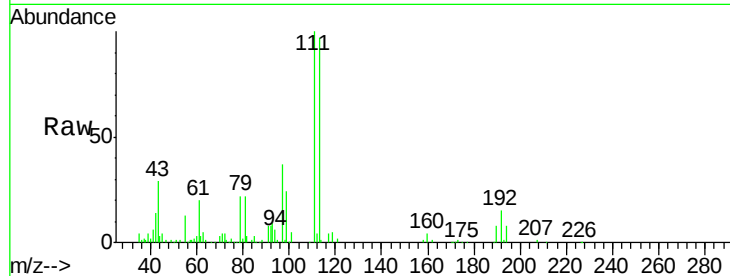
#37
Ethyl Acetate
Concen: 24.41 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	70.0	50.1	75.1
70	10.5	6.2	9.4

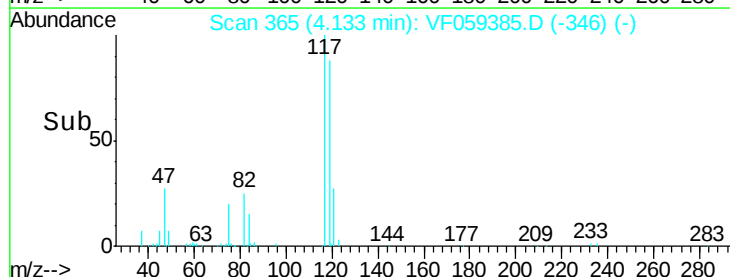
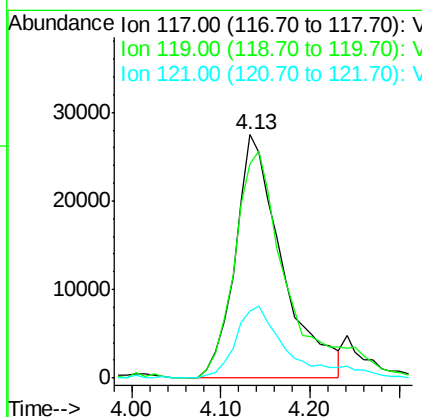
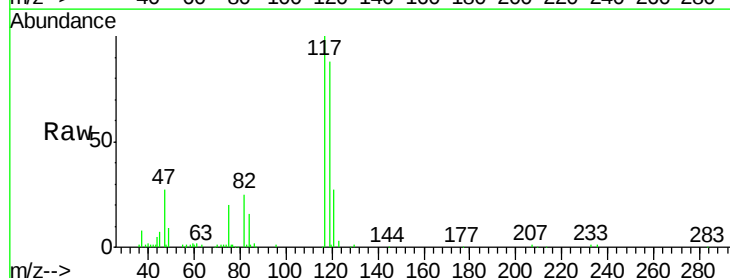
Manual Integrations
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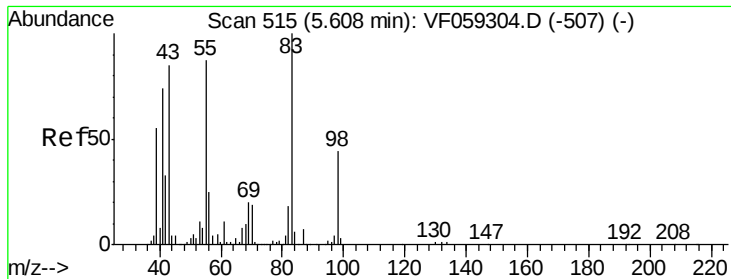
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#38
Carbon Tetrachloride
Concen: 21.65 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.8	81.0	121.4
121	27.4	24.7	37.1





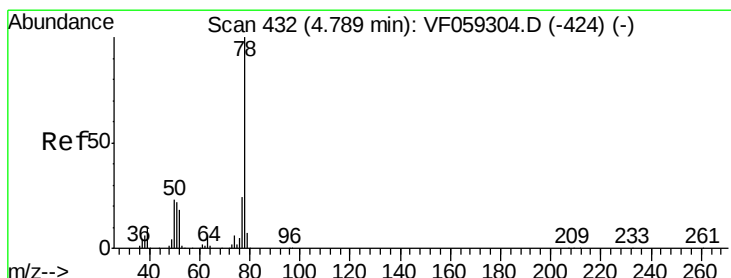
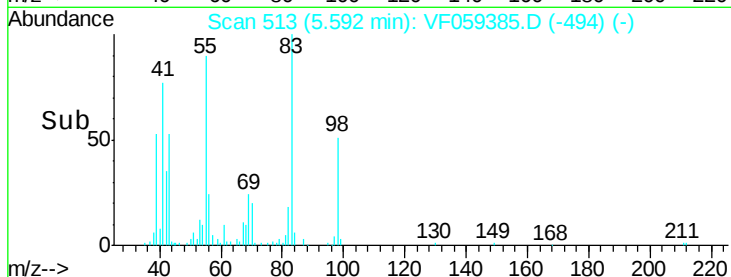
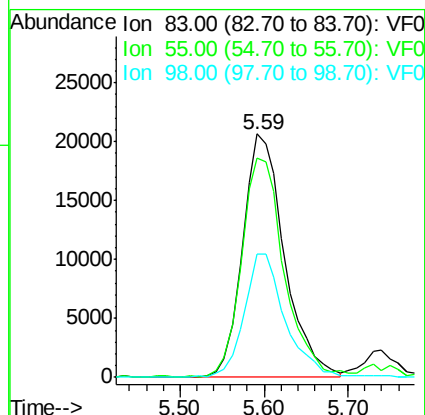
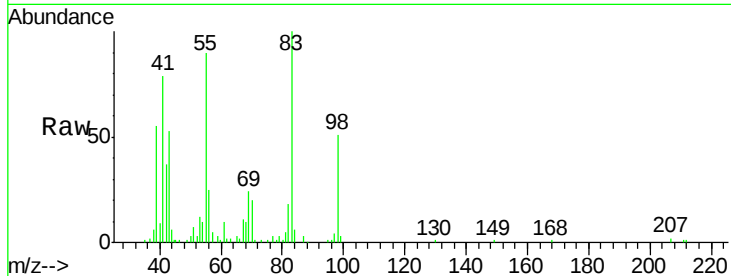
#39
Methvlcvclohexane
Concen: 22.04 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	69.2	103.8
98	50.8	35.0	52.6

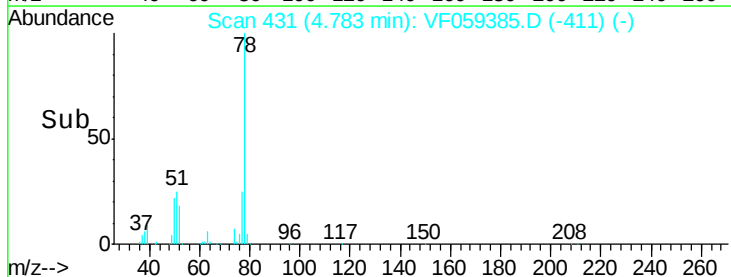
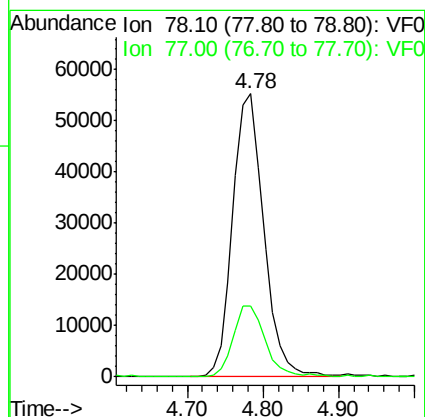
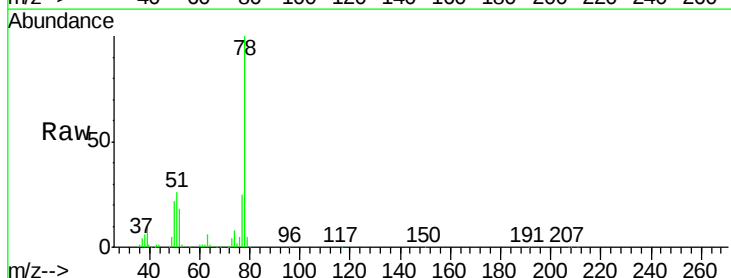
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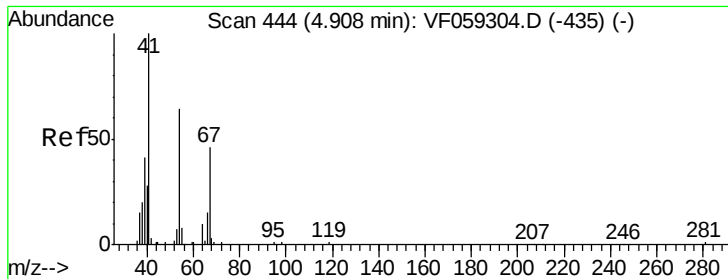
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#40
Benzene
Concen: 19.36 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





#41

Methacrylonitrile

Concen: 19.51 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

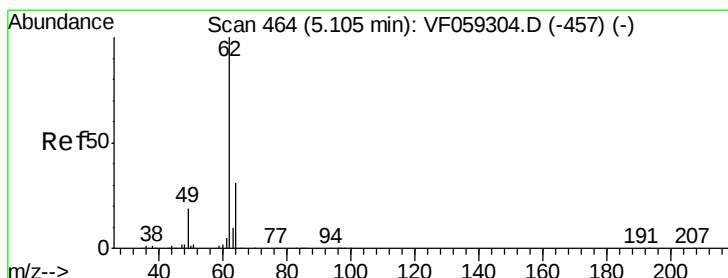
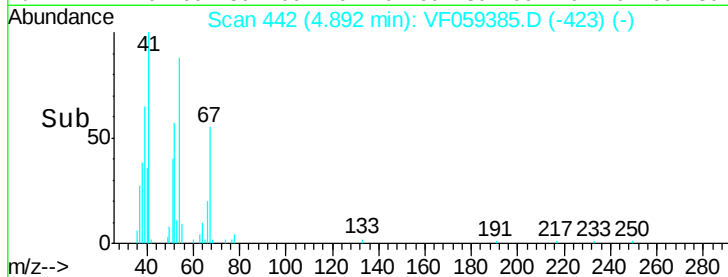
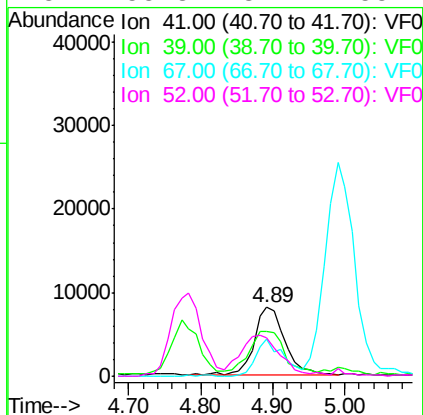
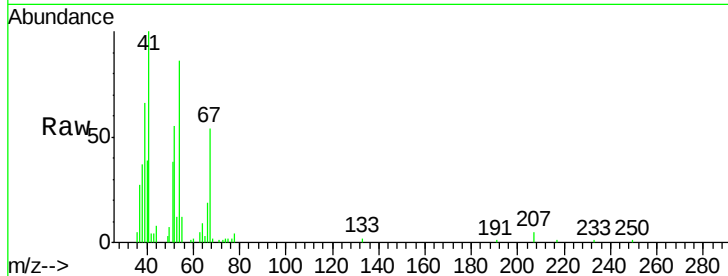
ClientSampleId :

VF0702SBS01

Tot Ion	Ion	Ratio	Lower	Upper
24474	41	100		
	39	65.7	50.0	75.0
	67	53.9	37.0	55.6
	52	55.3	37.1	55.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.00 ug/l

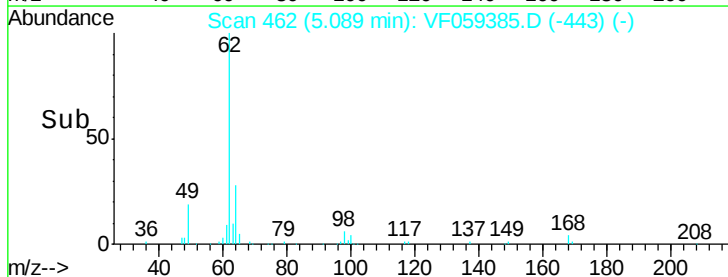
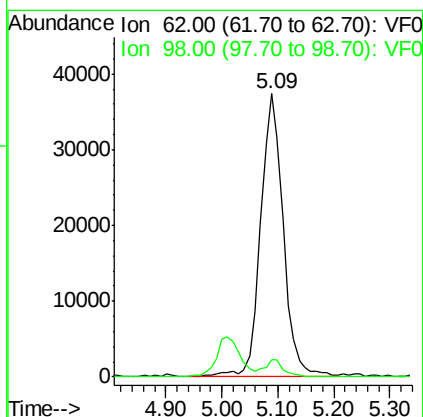
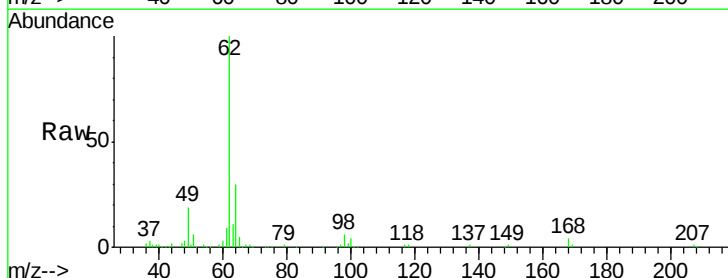
RT: 5.09 min Scan# 462

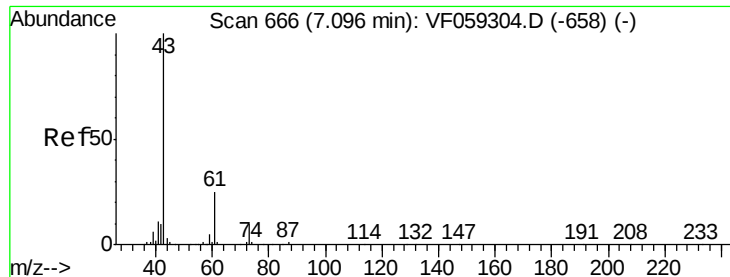
Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion	Ion	Ratio	Lower	Upper
104858	62	100		
	98	6.1	0.0	11.4





#43

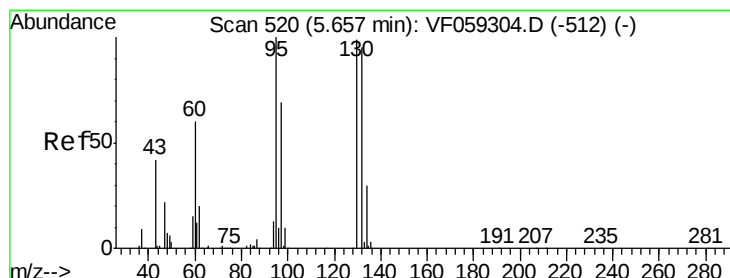
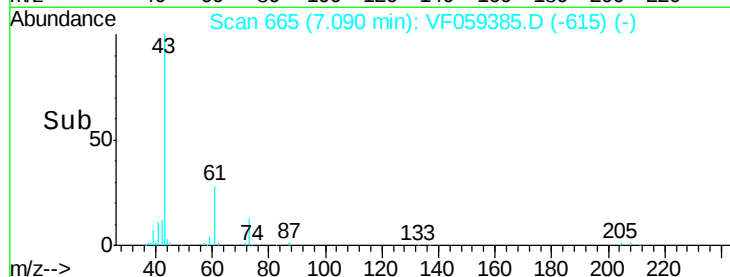
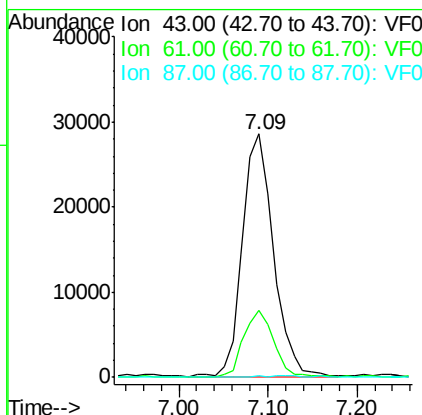
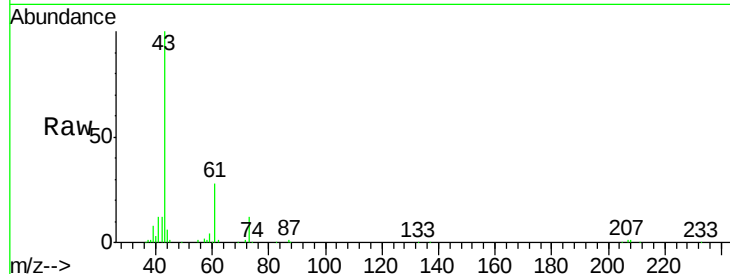
Isopropyl Acetate
 Concen: 22.49 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

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

Manual Integrations
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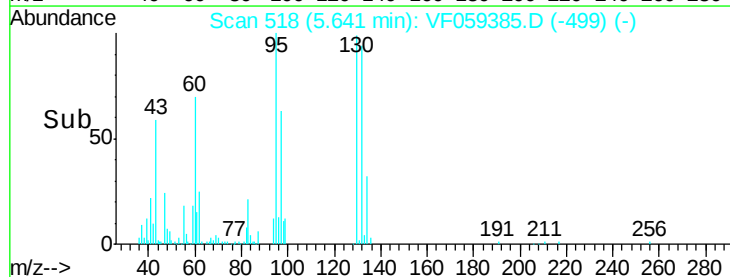
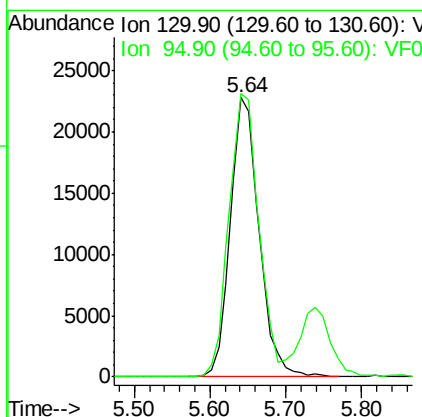
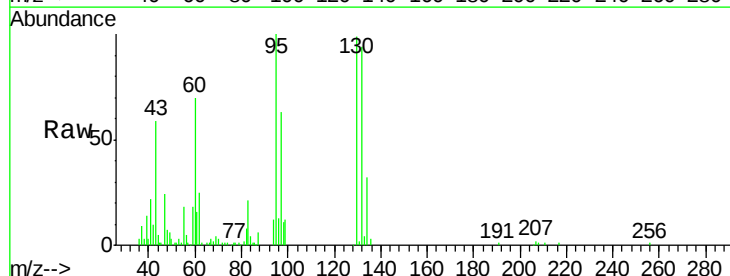
apatel
 7/3/2018 10:34:31 AM

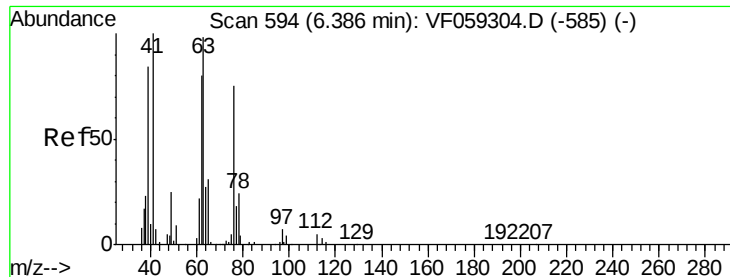


#44

Trichloroethene
 Concen: 21.32 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	130	95	Ratio	Lower	Upper
130	100				
95		99.1		0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.36 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 63 Resp: 49757

Ion Ratio Lower Upper

63 100

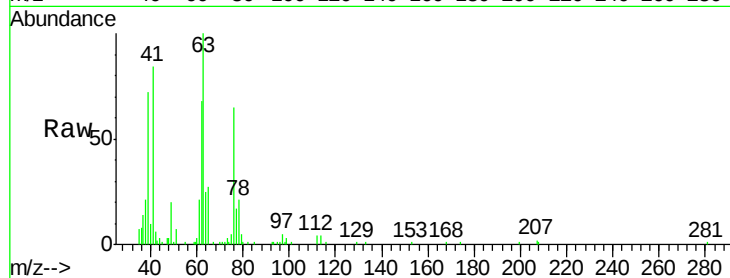
65 27.3 25.3 37.9

Manual Integrations

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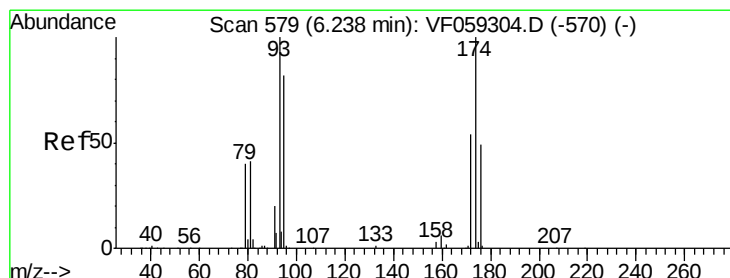
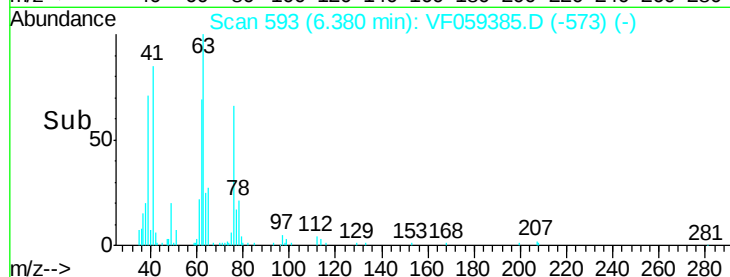
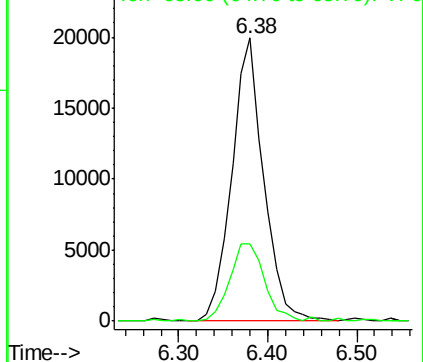
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.10 ug/l

RT: 6.22 min Scan# 577

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

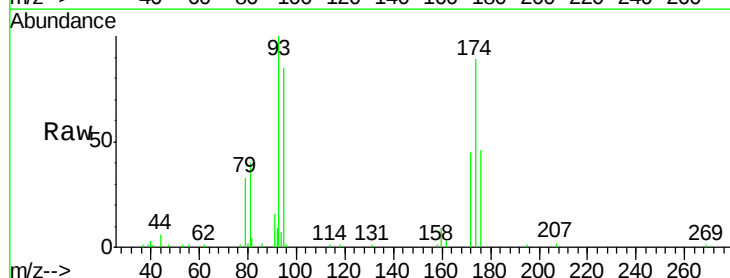
Tgt Ion: 93 Resp: 40658

Ion Ratio Lower Upper

93 100

95 85.5 65.6 98.4

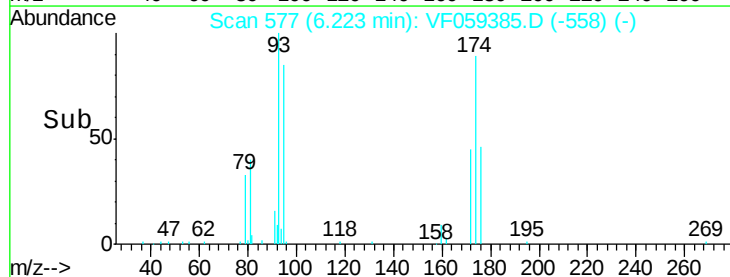
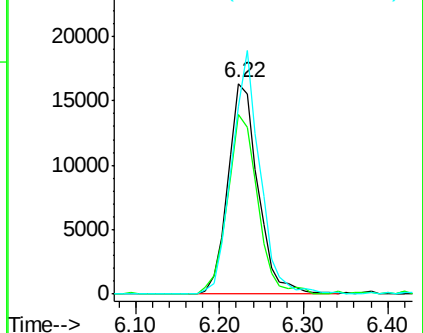
174 88.9 80.0 120.0

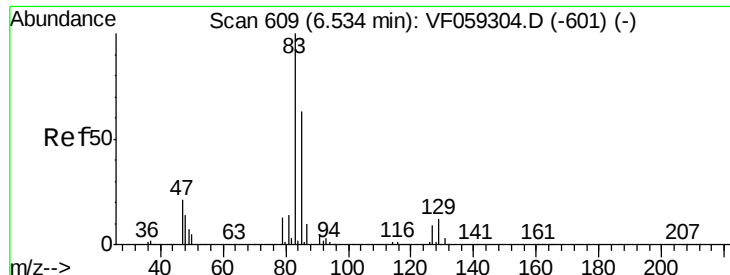


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.95 ug/l

RT: 6.52 min Scan# 607

Delta R.T. -0.02 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

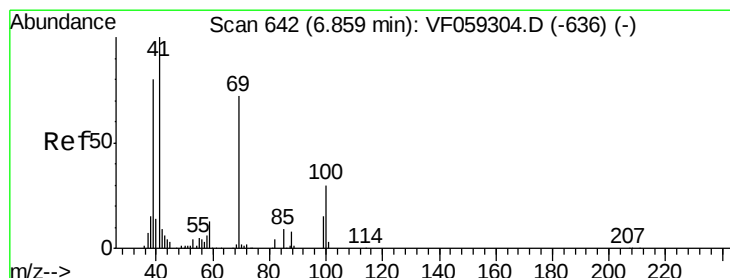
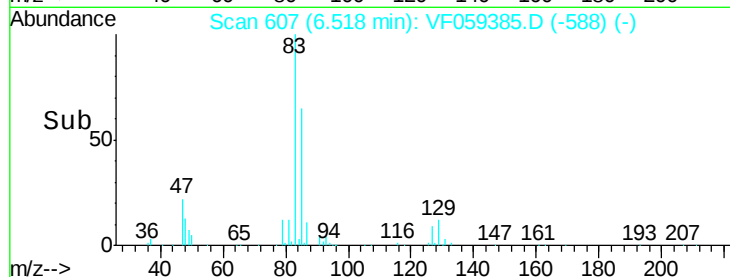
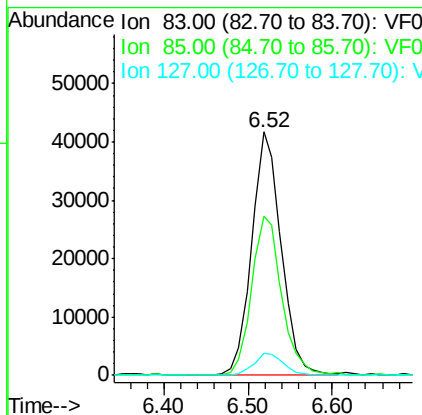
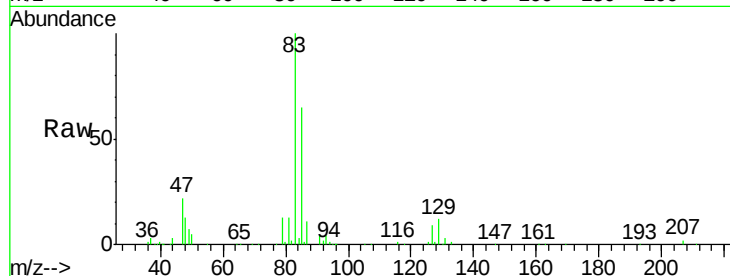
ClientSampleId :

VF0702SBS01

Tot Ion:	83	Resp:	102535
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.2
127	10.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.03 ug/l

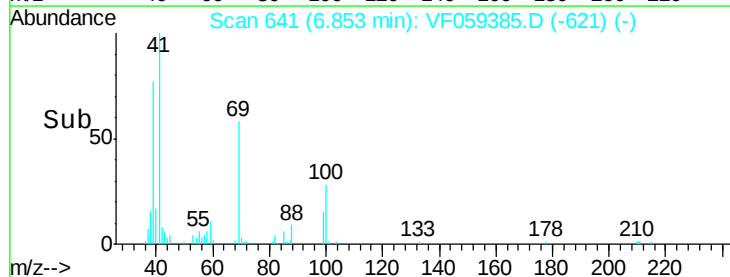
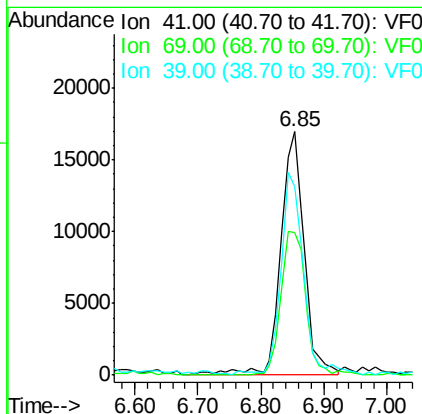
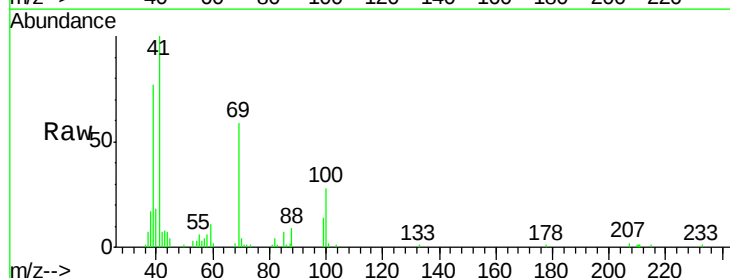
RT: 6.85 min Scan# 641

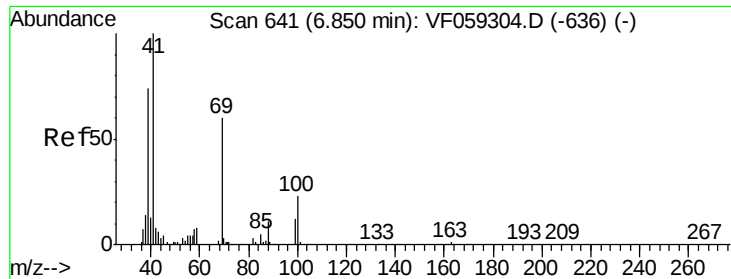
Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	41	Resp:	43190
Ion	Ratio	Lower	Upper
41	100		
69	58.6	57.3	85.9
39	77.3	64.4	96.6





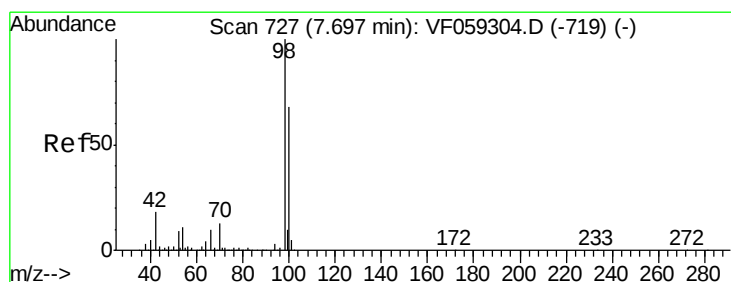
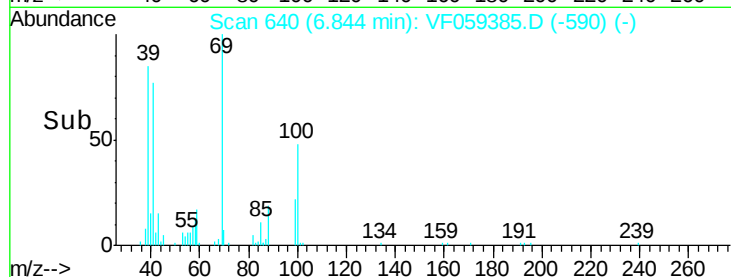
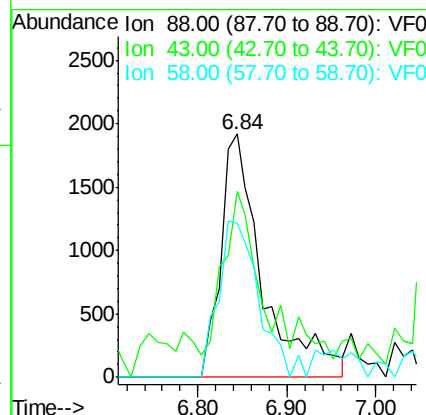
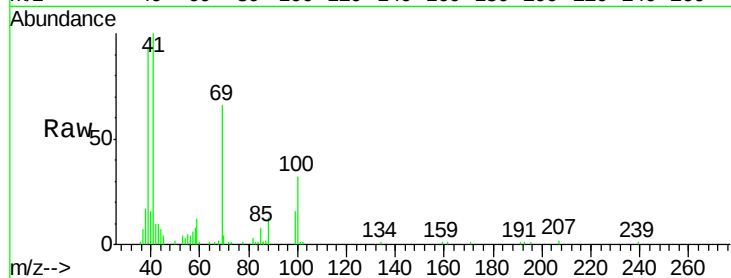
#49
 1,4-Dioxane
 Concen: 555.68 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	88	Resp:	6295
Ion	Ratio	Lower	Upper
88	100		
43	76.2	50.6	75.8#
58	63.1	46.6	69.8

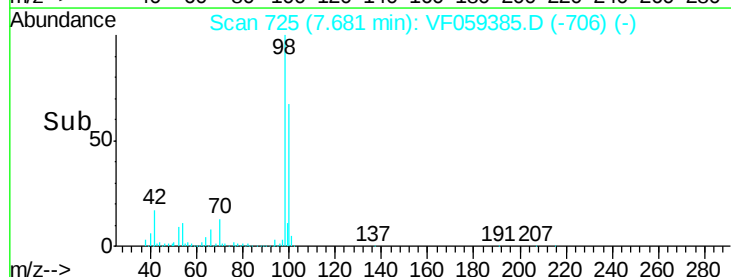
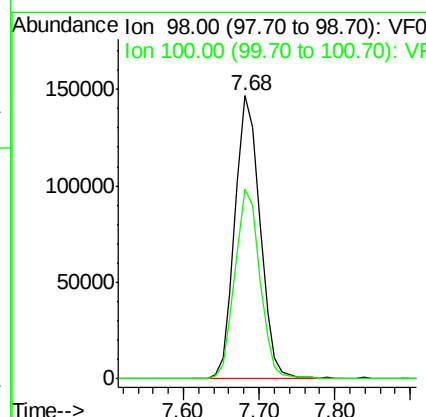
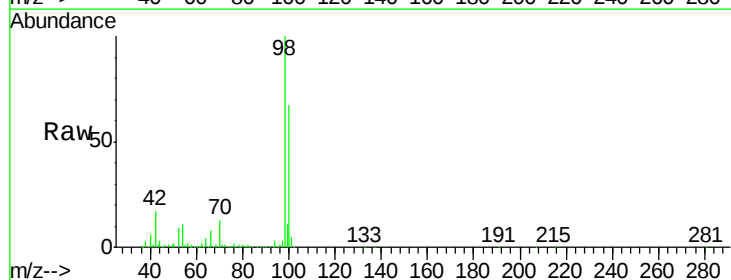
Manual Integrations
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#50
 Toluene-d8
 Concen: 44.41 ug/l
 RT: 7.68 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	98	Resp:	338275
Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 114.07 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 43 Resp: 258915

Ion Ratio Lower Upper

43 100

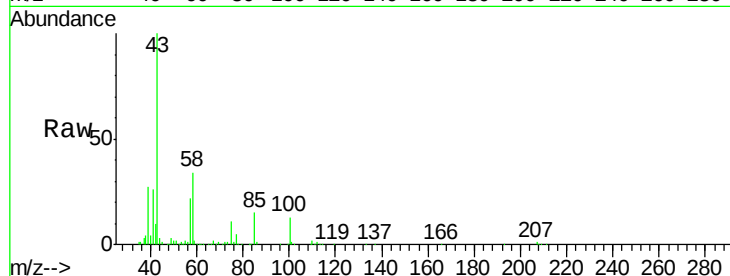
58 34.2 28.4 42.6

Manual Integrations

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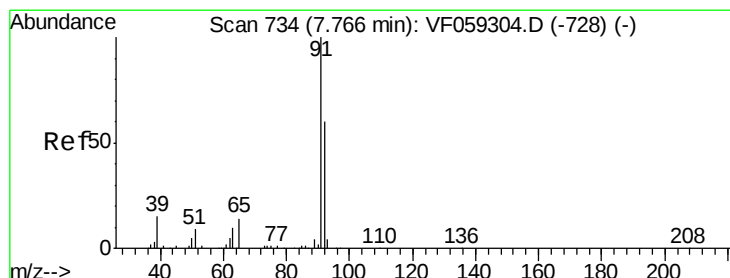
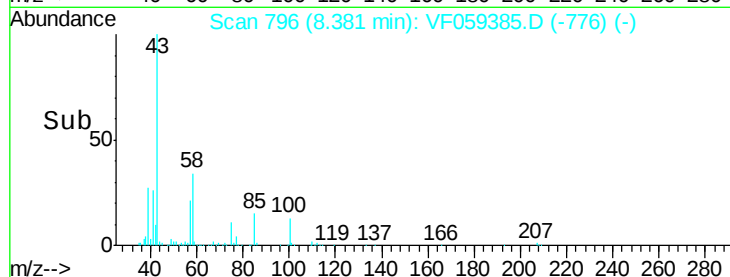
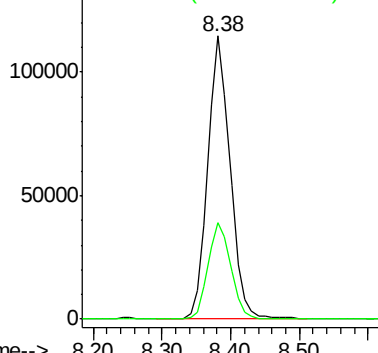
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.19 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059385.D

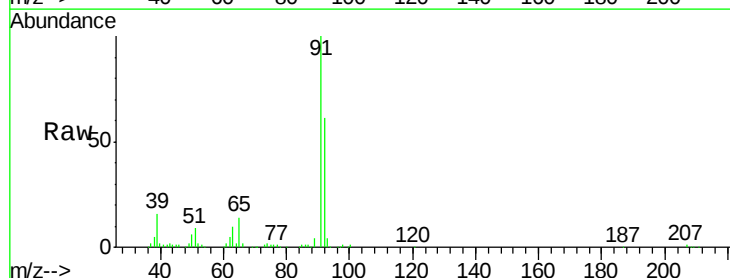
Acq: 2 Jul 2018 14:22

Tgt Ion: 92 Resp: 123201

Ion Ratio Lower Upper

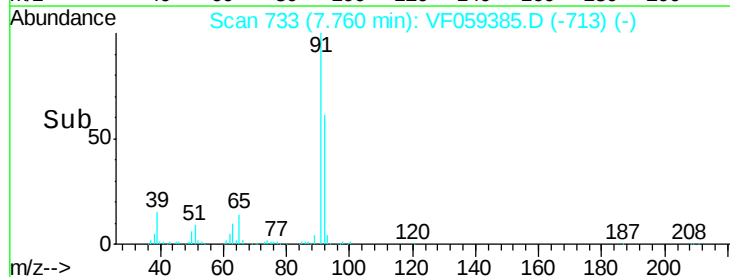
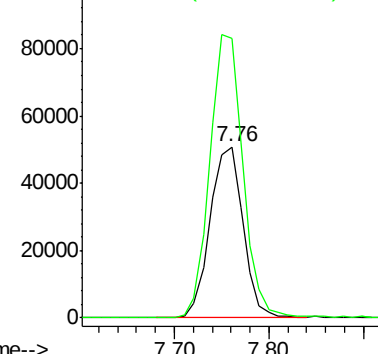
92 100

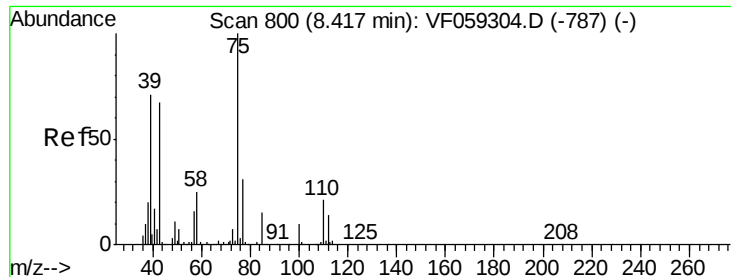
91 163.4 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





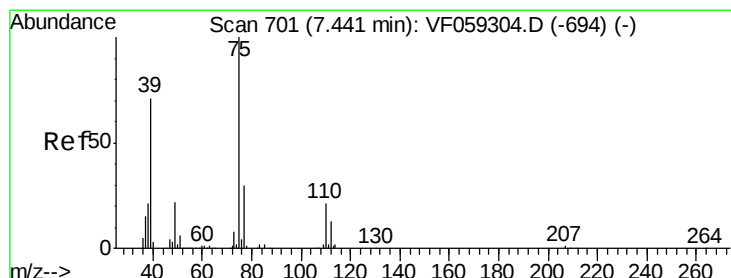
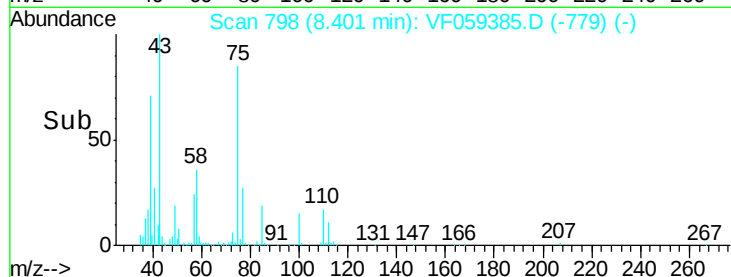
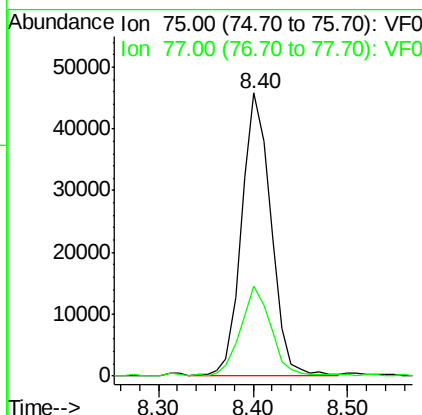
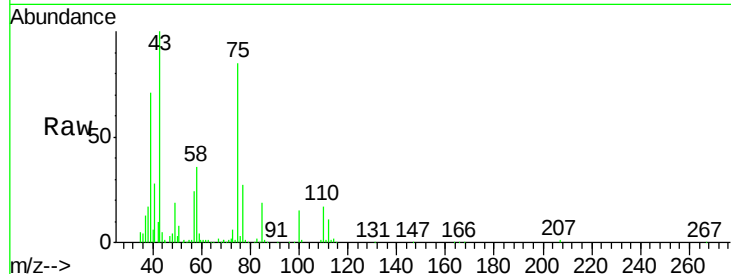
#53
t-1,3-Dichloropropene
Concen: 22.00 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	75	Resp	98147
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.3	37.9

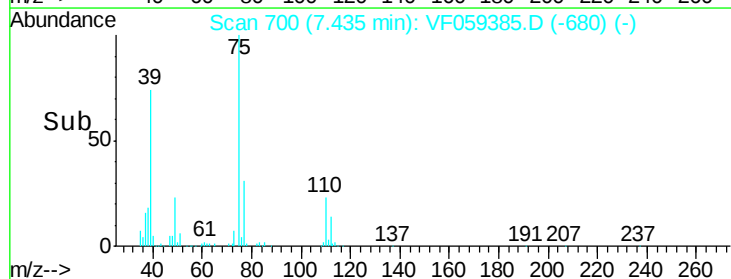
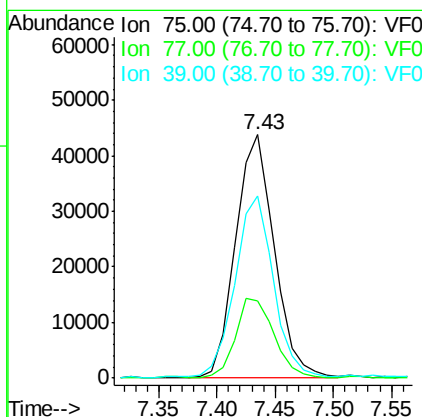
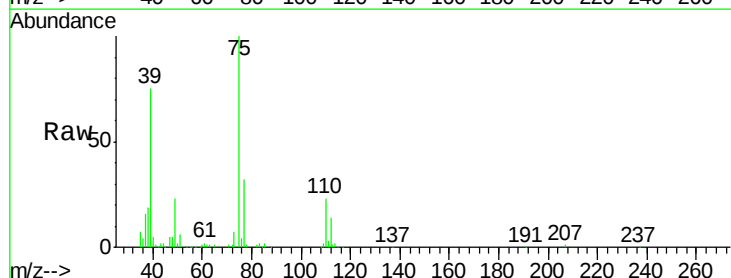
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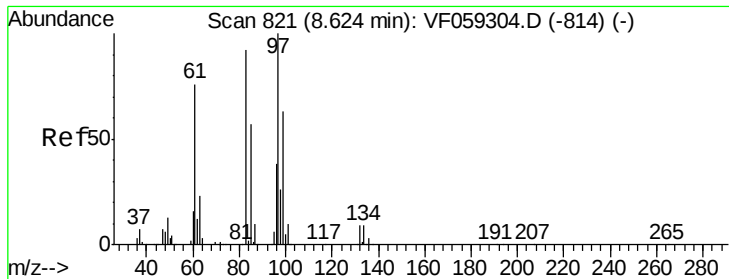
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.83 ug/l
RT: 7.43 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	75	Resp	100952
Ion Ratio	Lower	Upper	
75	100		
77	31.7	24.3	36.5
39	74.7	57.2	85.8





#55

1,1,2-Trichloroethane

Concen: 21.51 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

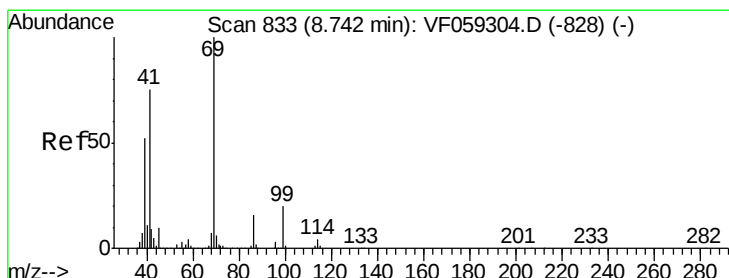
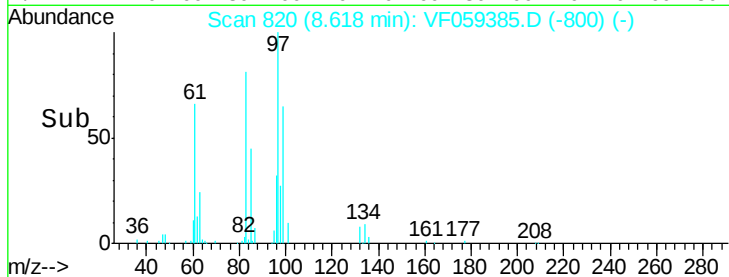
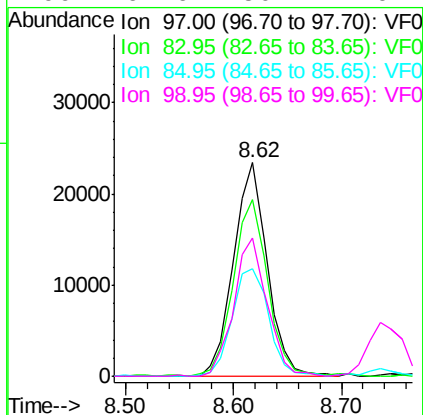
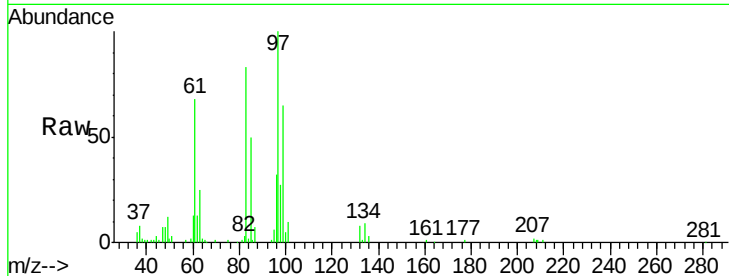
ClientSampleId :

VF0702SBS01

Tot Ion:	97	Resp:	50953
Ion	Ratio	Lower	Upper
97	100		
83	82.7	73.8	110.8
85	50.4	45.5	68.3
99	64.6	50.7	76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.04 ug/l

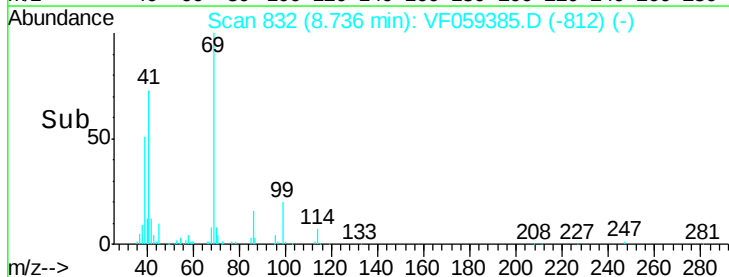
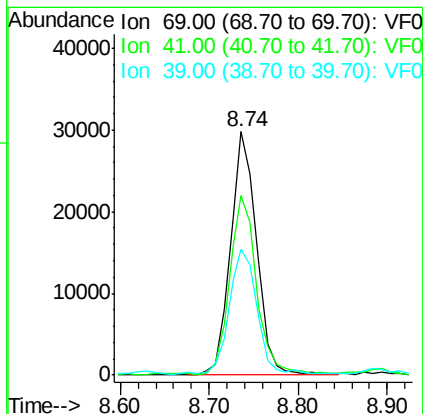
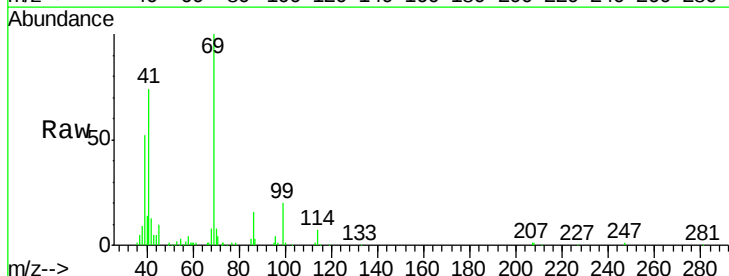
RT: 8.74 min Scan# 832

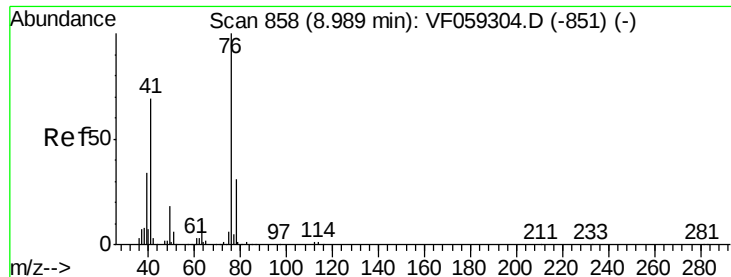
Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	69	Resp:	61749
Ion	Ratio	Lower	Upper
69	100		
41	73.6	60.3	90.5
39	51.9	42.2	63.4





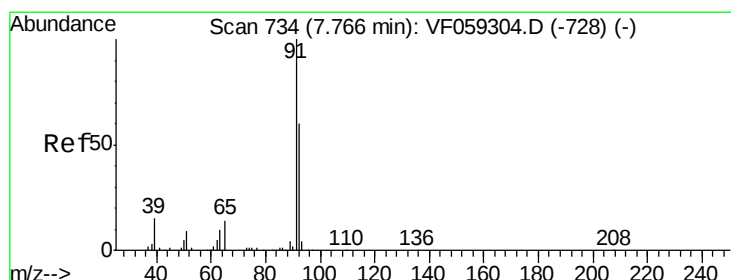
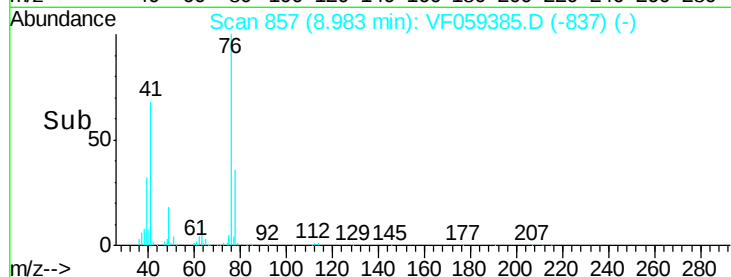
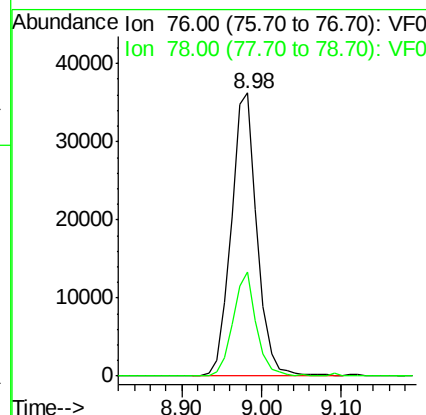
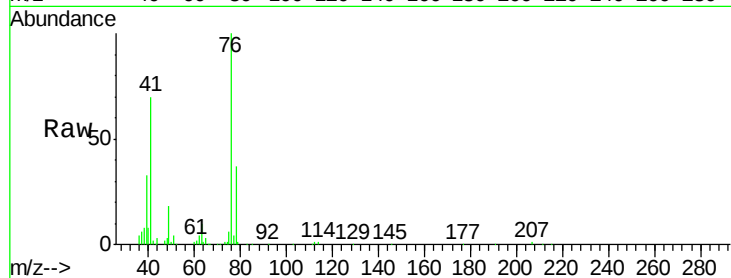
#57
 1,3-Dichloropropane
 Concen: 20.24 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.6	24.9	37.3

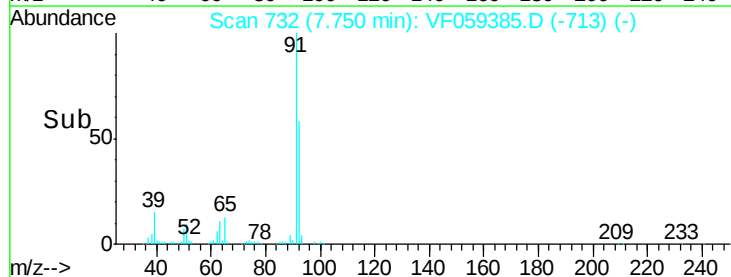
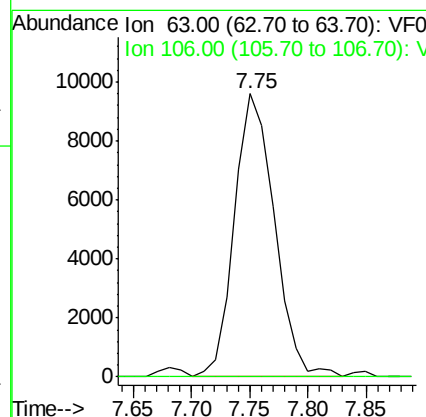
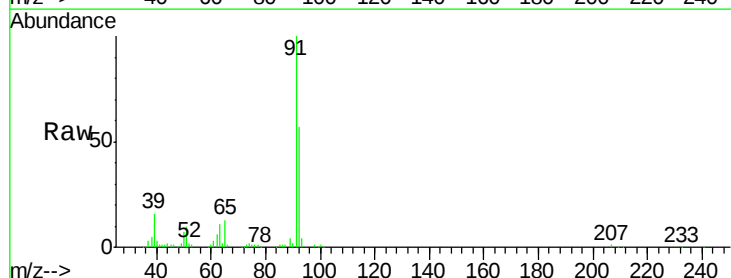
Manual Integrations
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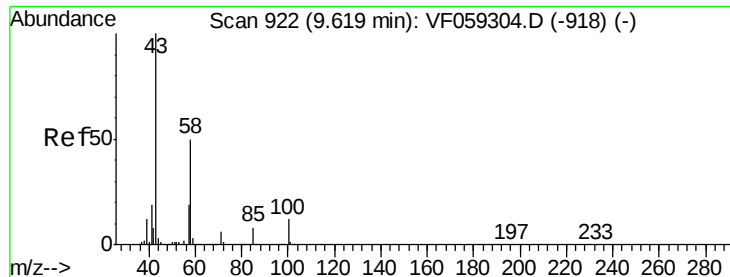
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.88 ug/l
 RT: 7.75 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





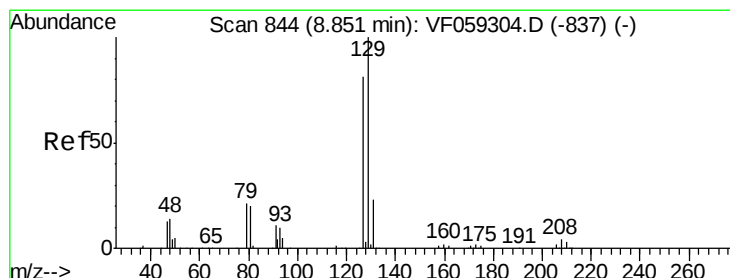
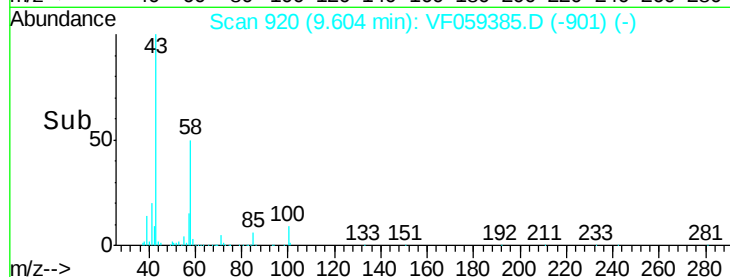
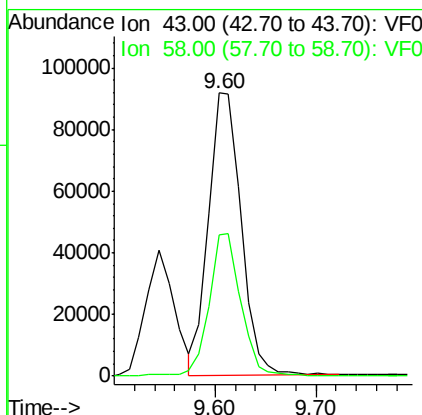
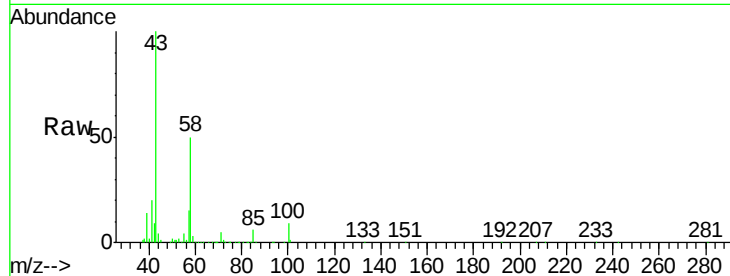
#59
2-Hexanone
Concen: 111.69 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion: 43 Resp: 206387
Ion Ratio Lower Upper
43 100
58 50.0 23.3 69.9

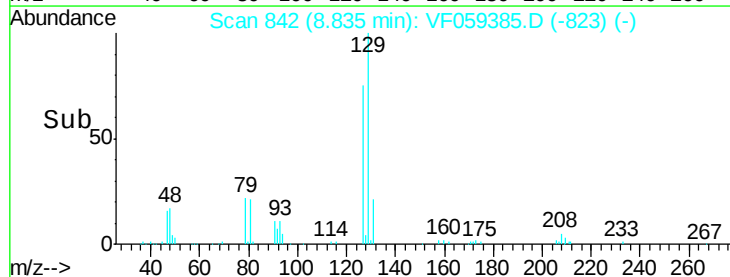
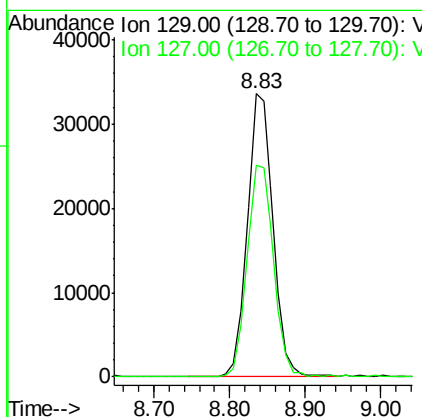
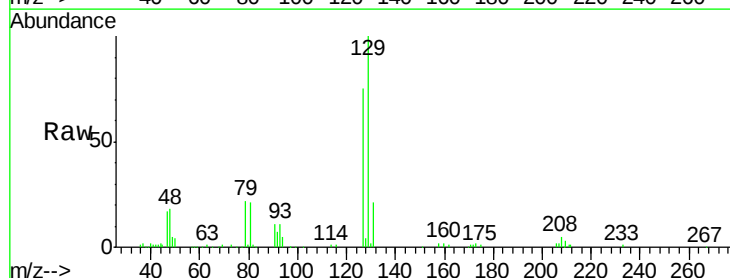
Manual Integrations
APPROVED

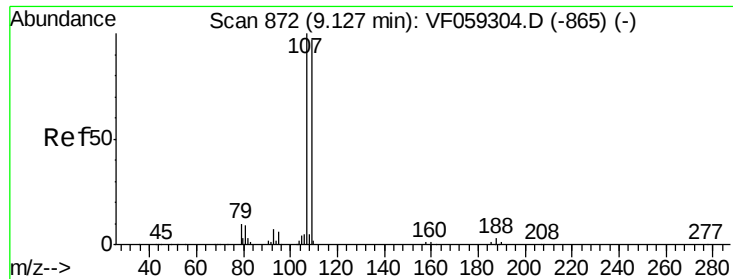
apatel
7/3/2018 10:34:31 AM



#60
Dibromochloromethane
Concen: 21.69 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion: 129 Resp: 79347
Ion Ratio Lower Upper
129 100
127 75.0 40.7 122.1





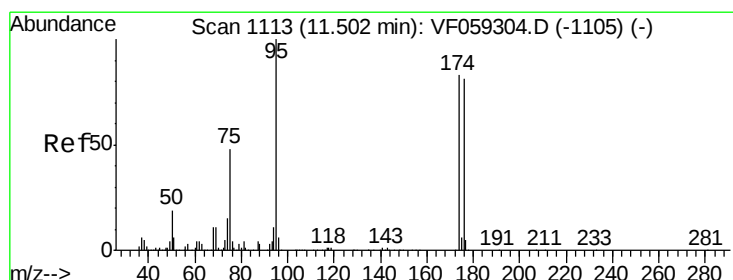
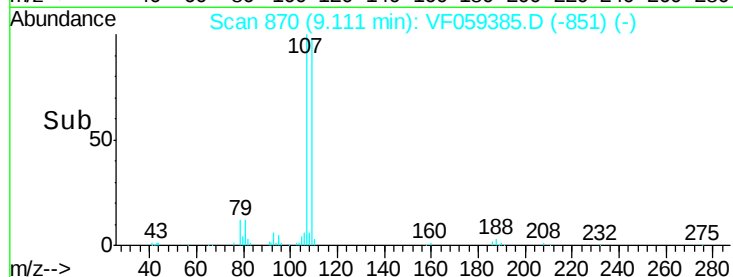
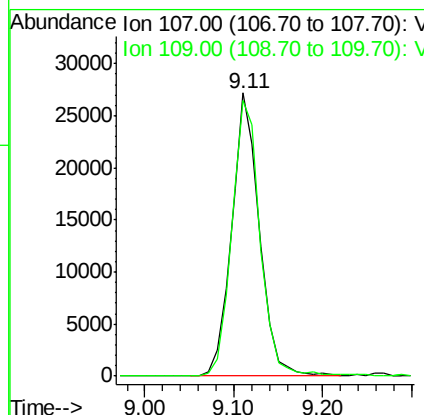
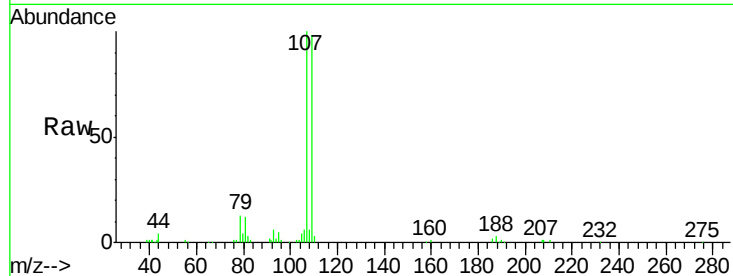
#61
 1,2-Dibromoethane
 Concen: 20.55 ug/l
 RT: 9.11 min Scan# 870
 Delta R.T. -0.02 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	77.3	115.9

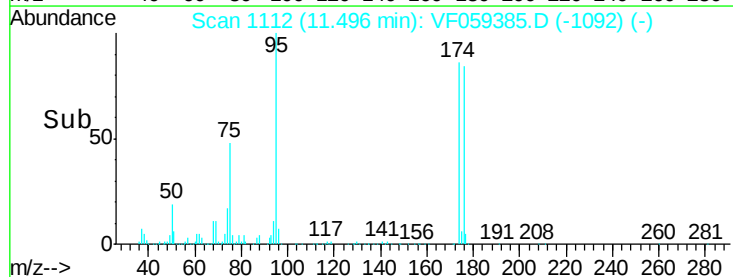
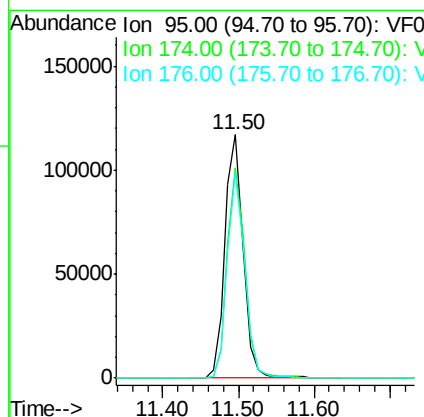
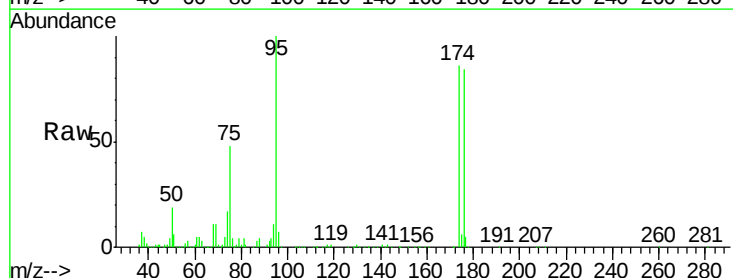
Manual Integrations
 APPROVED

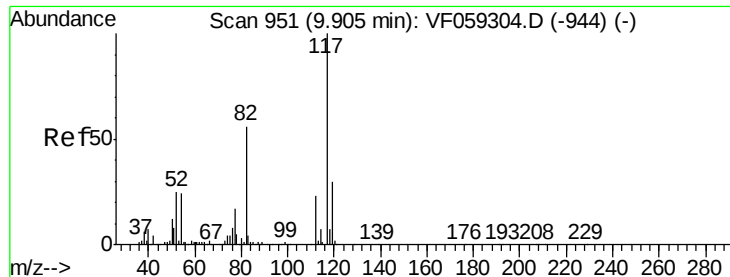
apatel
 7/3/2018 10:34:31 AM



#62
 4-Bromofluorobenzene
 Concen: 45.95 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	165.2
176	84.5	0.0	161.0





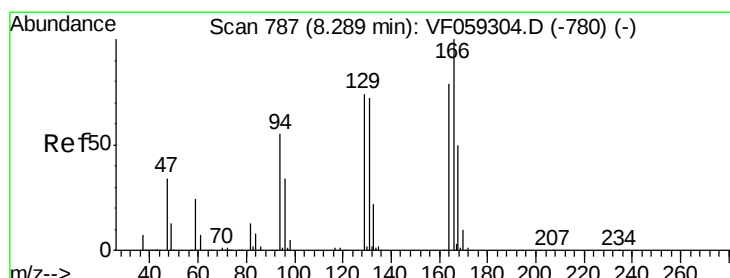
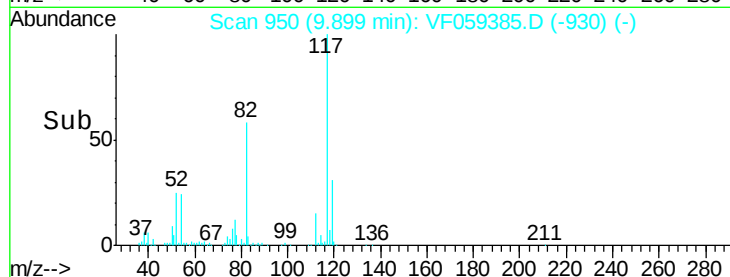
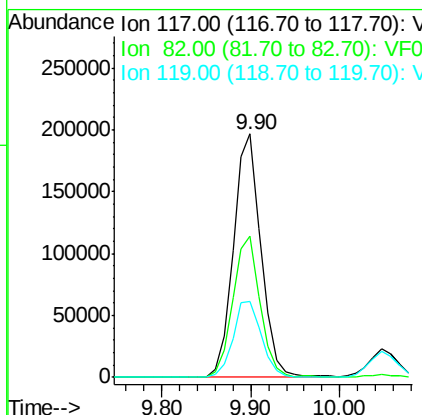
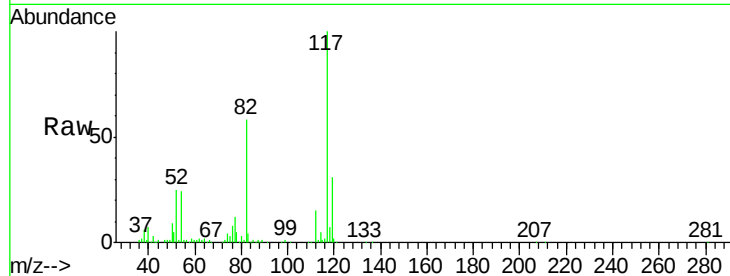
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	423906		
82	57.7		44.6	66.8
119	31.4		24.1	36.1

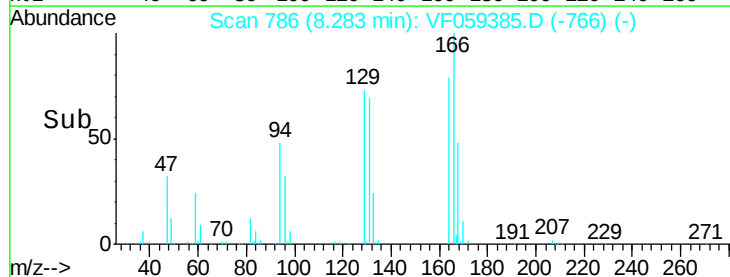
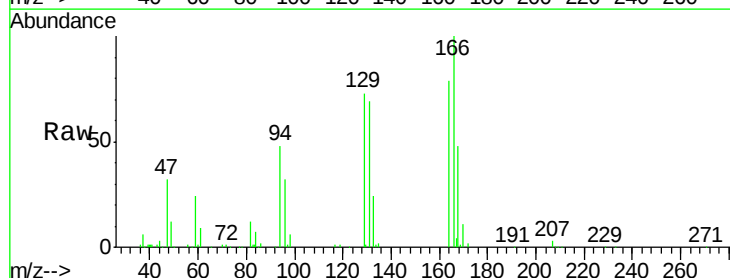
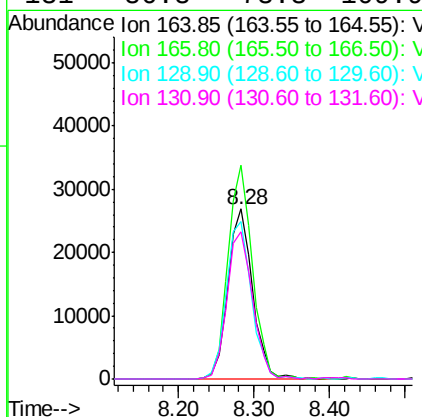
Manual Integrations
APPROVED

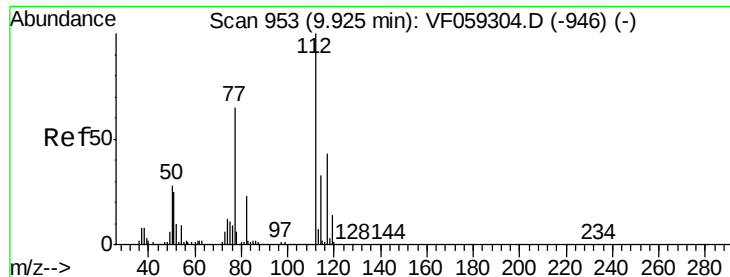
apatel
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#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60359		
166	125.9		101.1	151.7
129	92.5		75.0	112.4
131	86.8		73.3	109.9





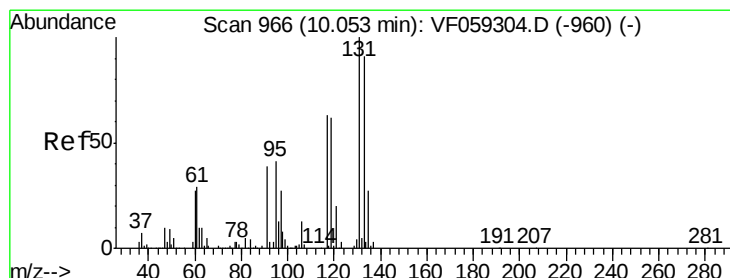
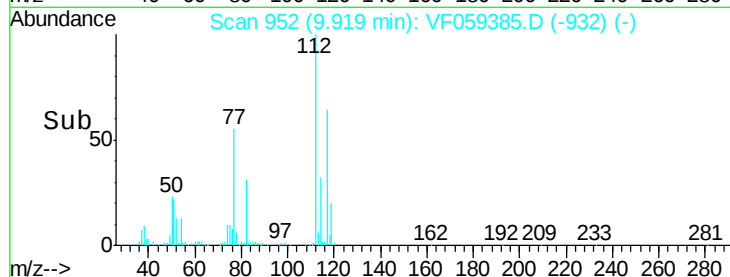
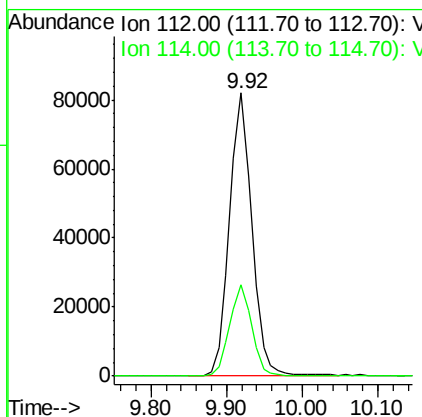
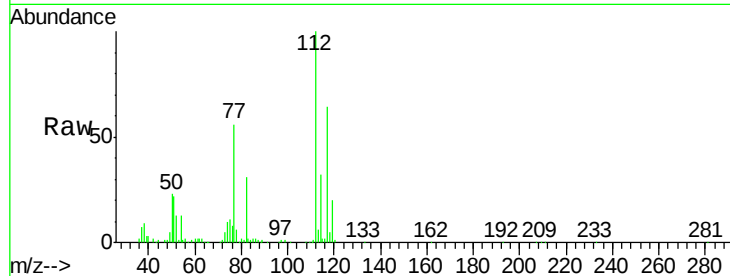
#65
Chlorobenzene
Concen: 21.39 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

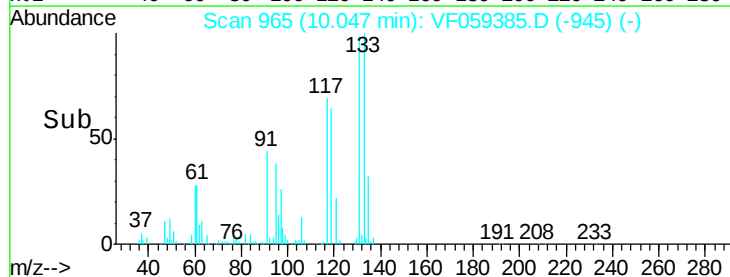
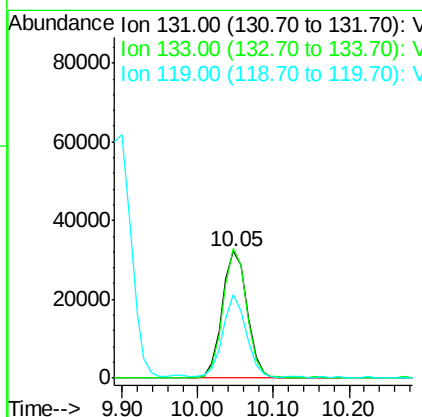
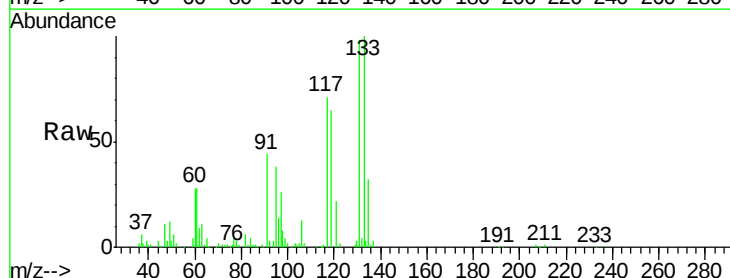
Manual Integrations
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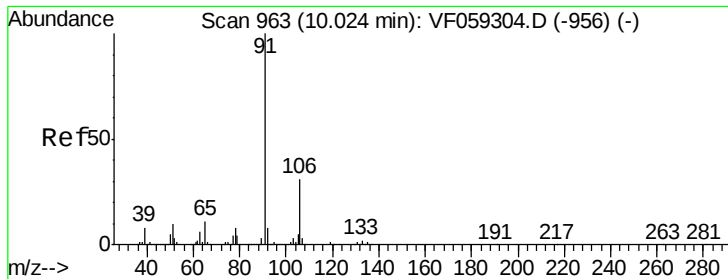
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.82 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.0	45.3	135.9
119	66.5	31.3	93.9





#67

Ethyl Benzene

Concen: 20.93 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleID :

VF0702SBS01

Tot Ion: 91 Resp: 278880

Ion Ratio Lower Upper

91 100

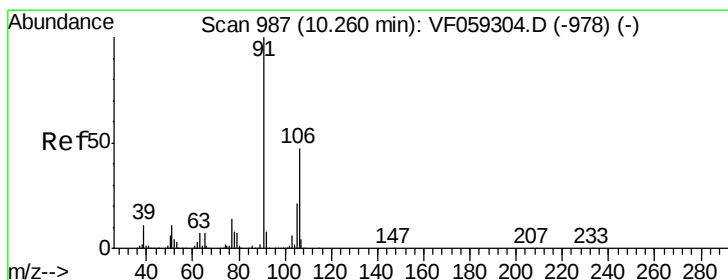
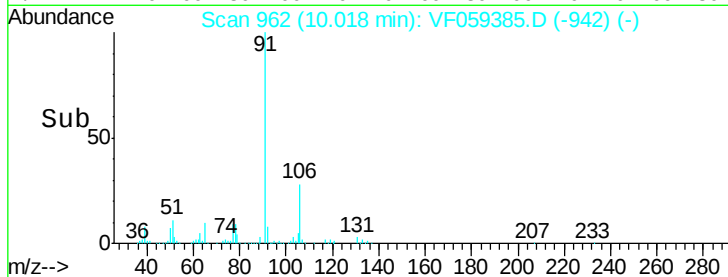
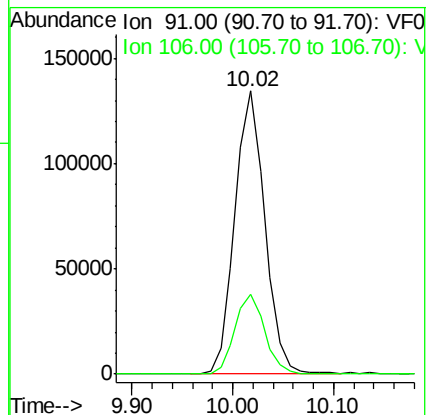
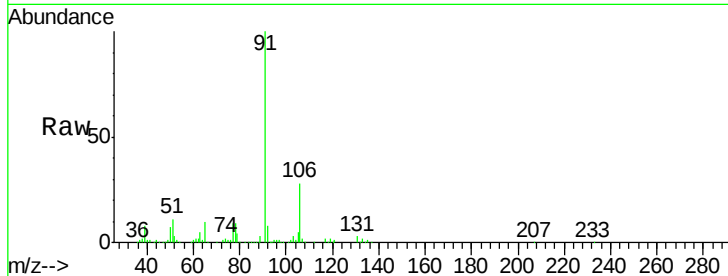
106 28.3 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.78 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059385.D

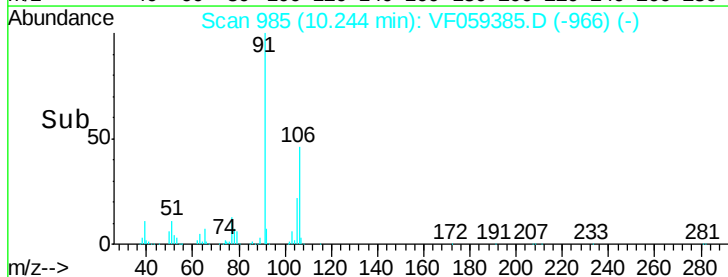
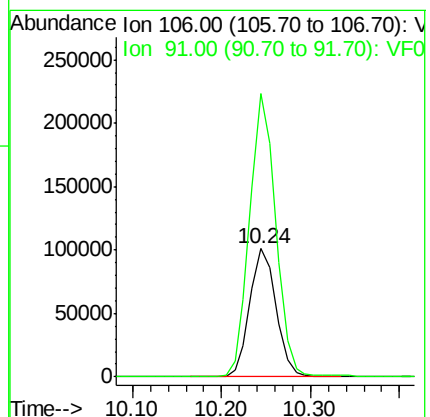
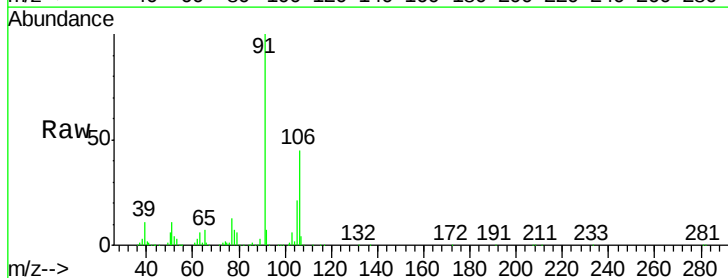
Acq: 2 Jul 2018 14:22

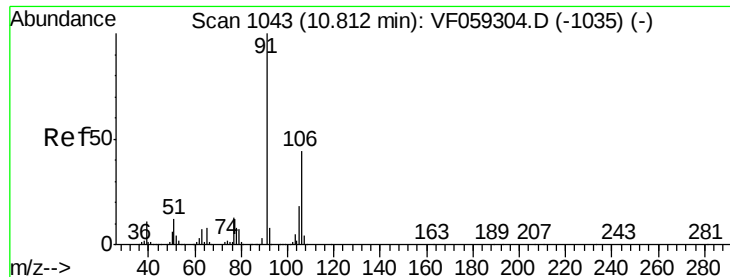
Tgt Ion: 106 Resp: 207661

Ion Ratio Lower Upper

106 100

91 220.6 170.8 256.2





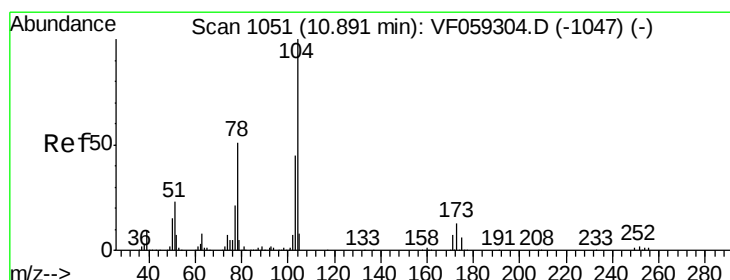
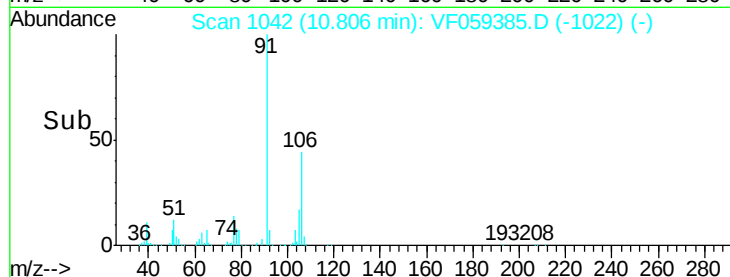
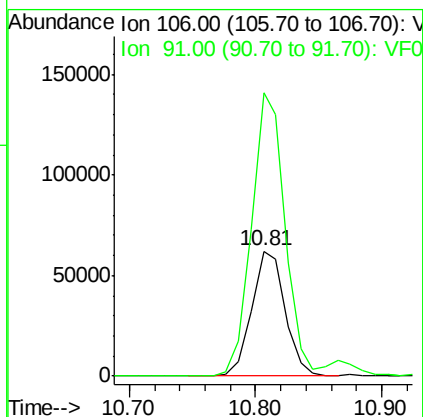
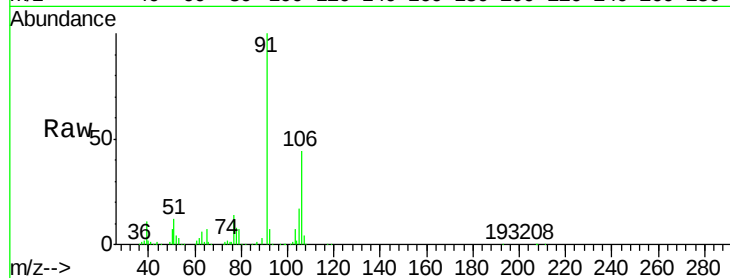
#69
o-Xylene
Concen: 21.56 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion:106 Resp: 114388
Ion Ratio Lower Upper
106 100
91 226.9 114.6 343.6

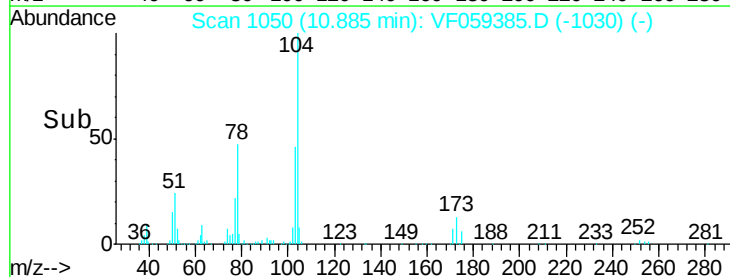
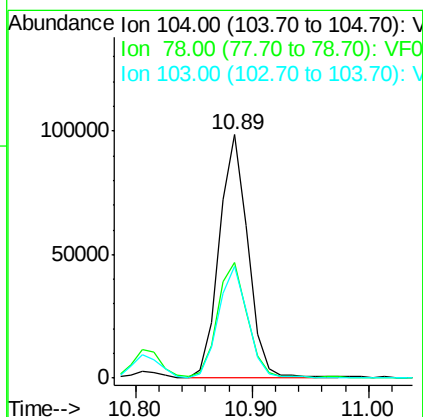
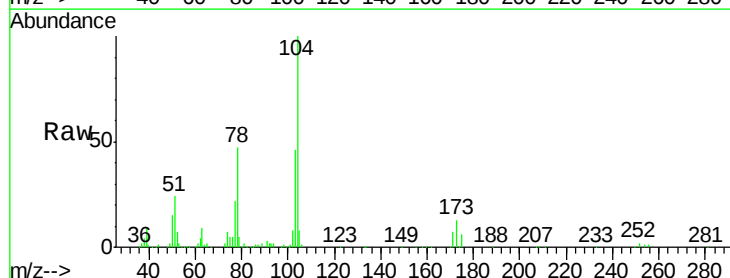
Manual Integrations
APPROVED

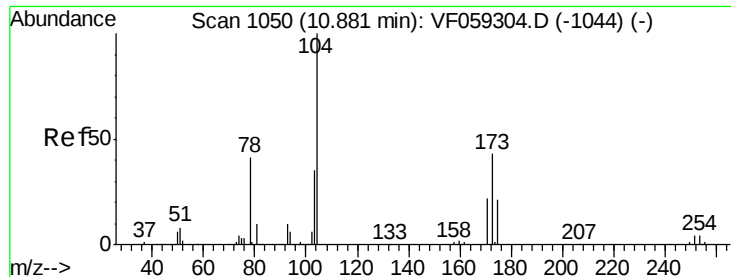
apatel
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#70
Styrene
Concen: 20.67 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion:104 Resp: 167026
Ion Ratio Lower Upper
104 100
78 47.3 40.9 61.3
103 45.8 36.5 54.7





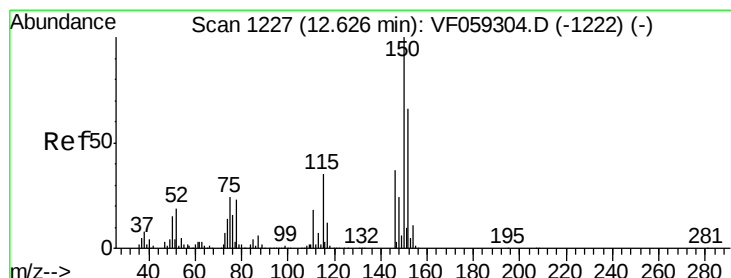
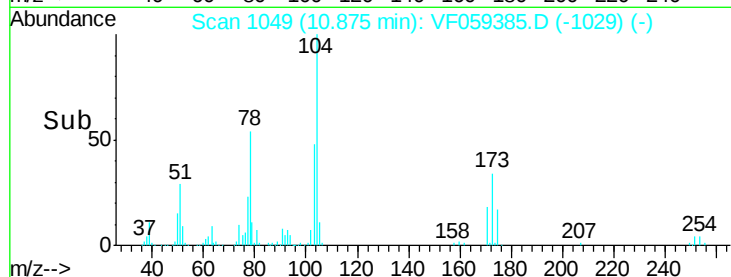
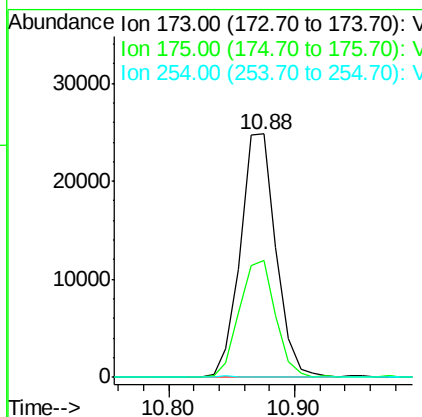
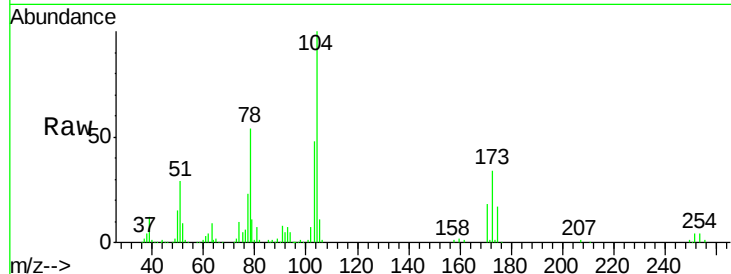
#71
Bromoform
Concen: 20.95 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.8	74.3
254	0.0	0.0	0.0

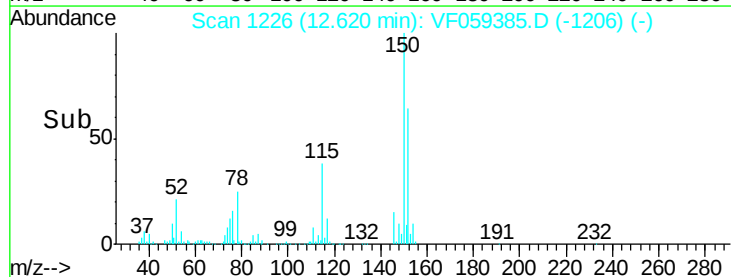
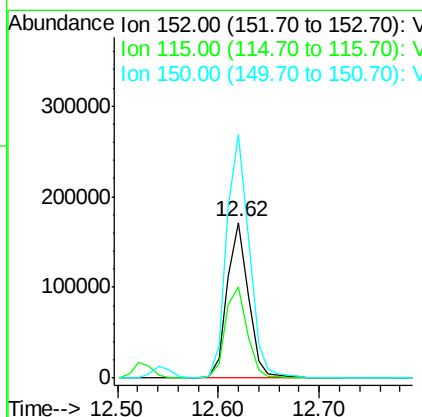
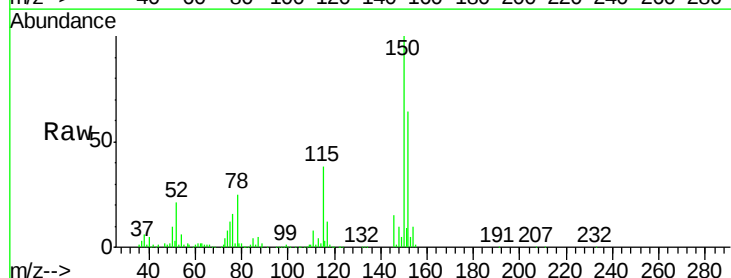
Manual Integrations
APPROVED

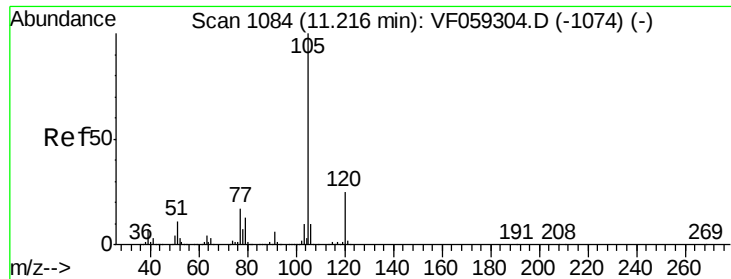
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.1	81.3
150	156.2	0.0	305.2





#73

Isopropylbenzene

Concen: 22.69 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion:105 Resp: 335014

Ion Ratio Lower Upper

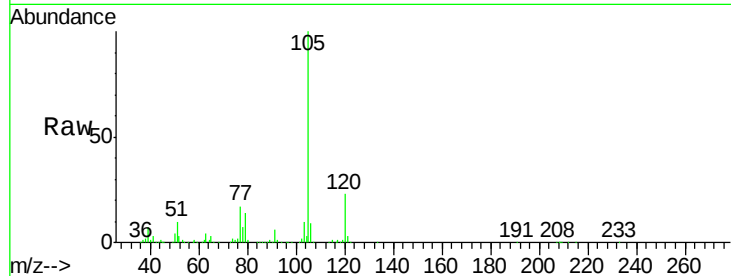
105 100

120 23.3 12.3 36.8

Manual Integrations
APPROVED

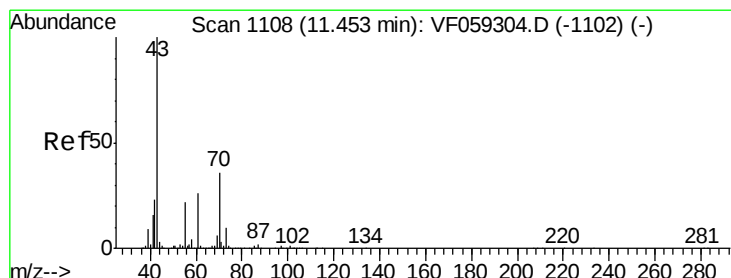
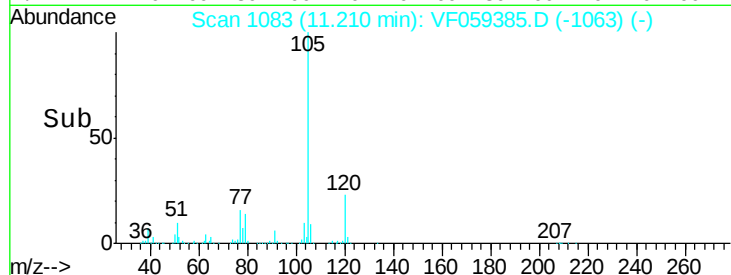
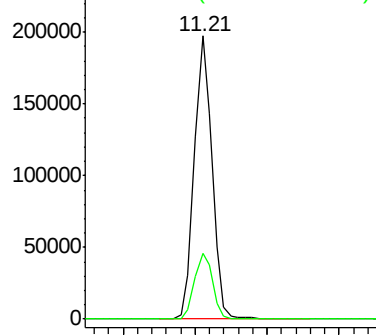
apatel

7/3/2018 10:34:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.89 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion: 43 Resp: 122621

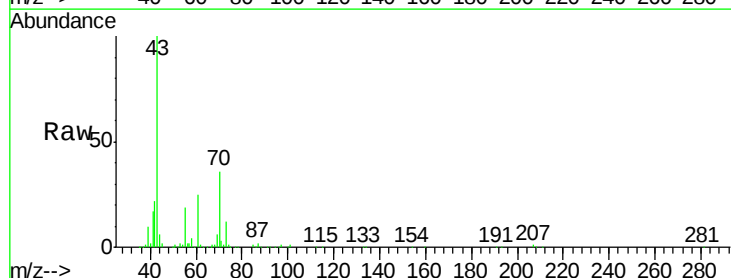
Ion Ratio Lower Upper

43 100

70 35.7 28.8 43.2

55 19.2 17.4 26.0

61 25.4 21.1 31.7

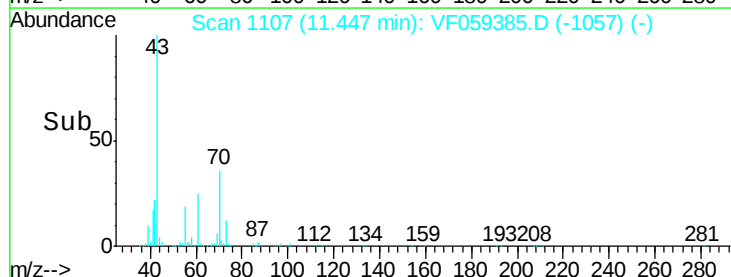
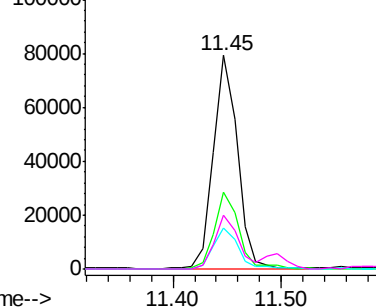


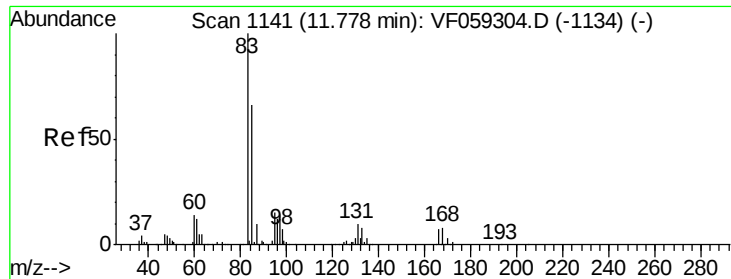
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.71 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

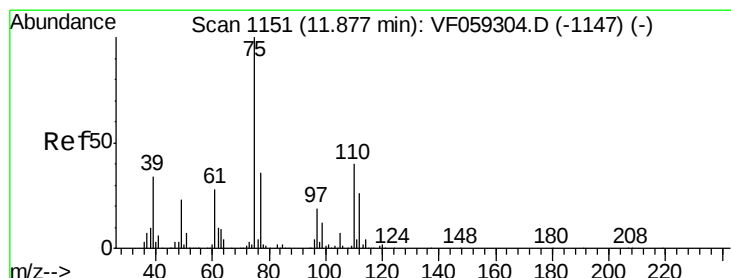
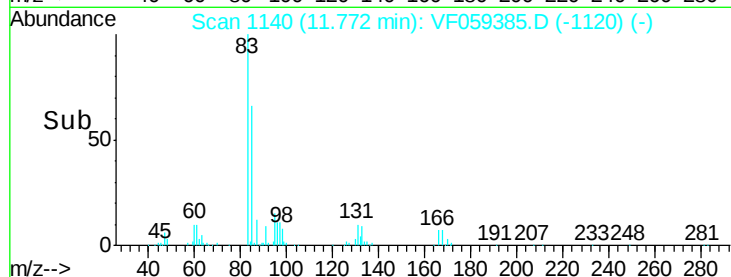
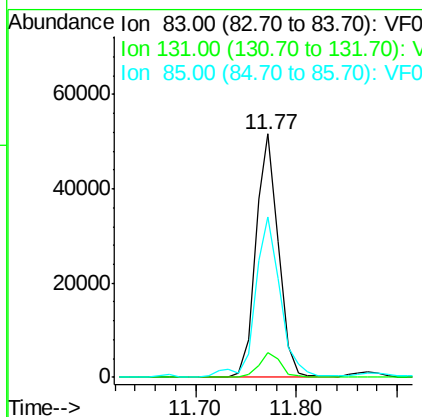
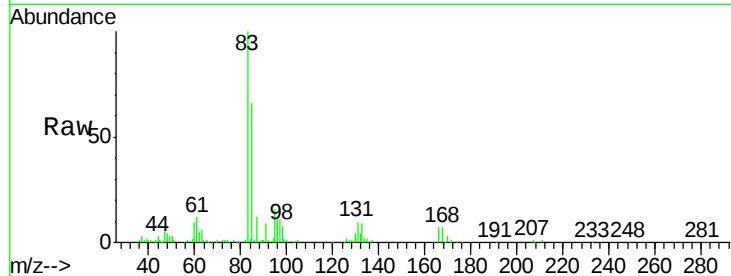
ClientSampleId :

VF0702SBS01

Tot Ion:	83	Resp:	80941
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	66.0	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 22.62 ug/l

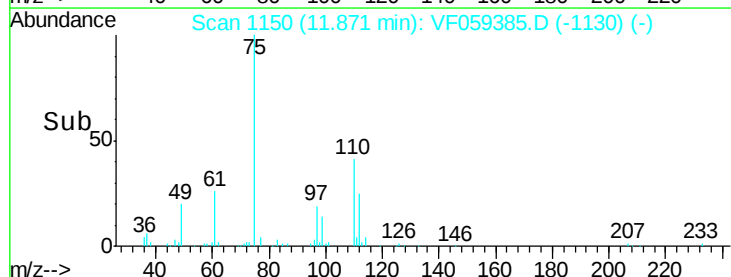
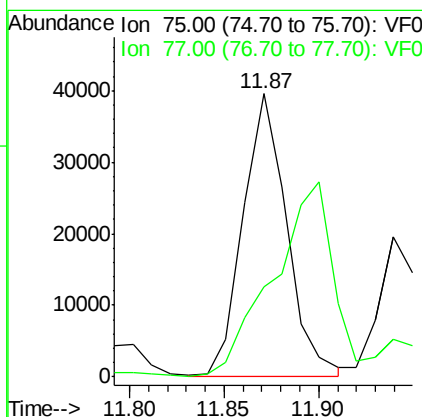
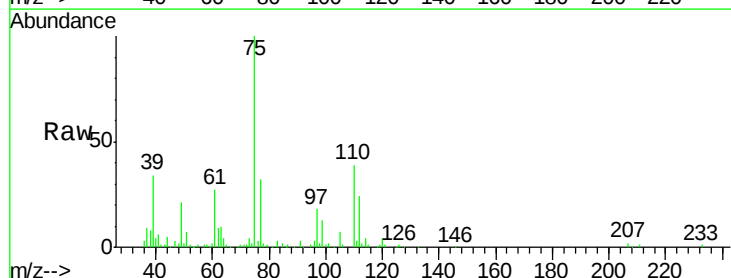
RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	75	Resp:	63614
Ion	Ratio	Lower	Upper
75	100		
77	31.7	18.0	54.0





#77

Bromobenzene

Concen: 22.64 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

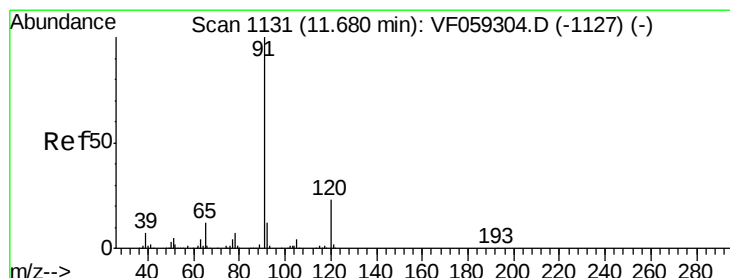
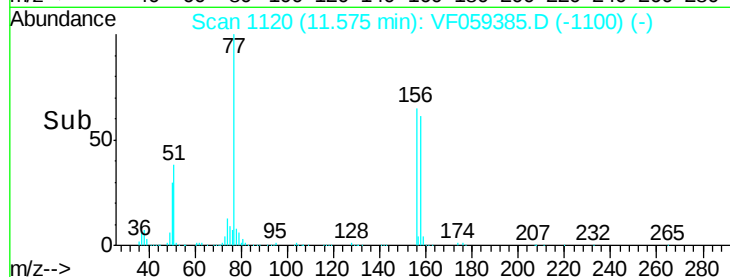
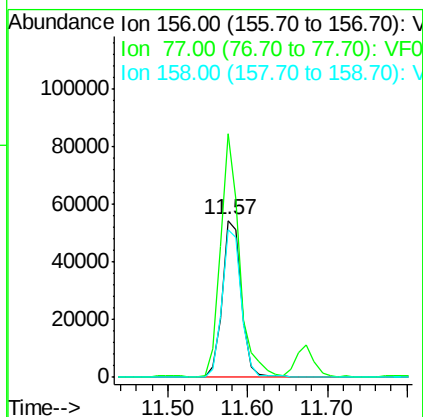
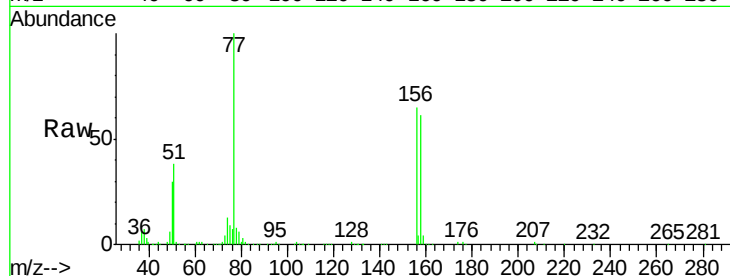
ClientSampleId :

VF0702SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.9	79.7	238.9	
158	94.1	46.2	138.6	

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#78

n-propylbenzene

Concen: 22.55 ug/l

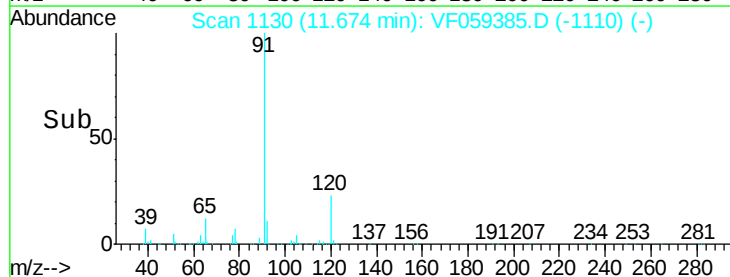
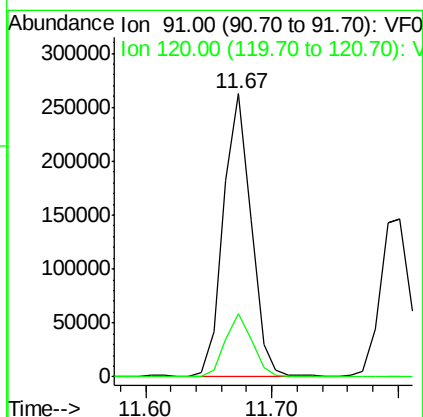
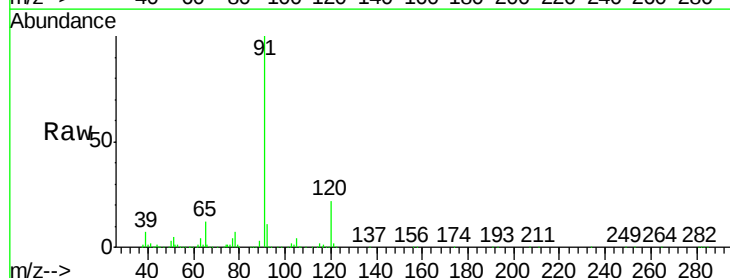
RT: 11.67 min Scan# 1130

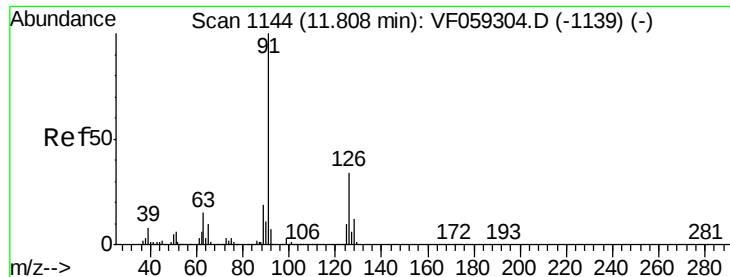
Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.7	35.0	





#79

2-Chlorotoluene

Concen: 22.43 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion: 91 Resp: 242914

Ion Ratio Lower Upper

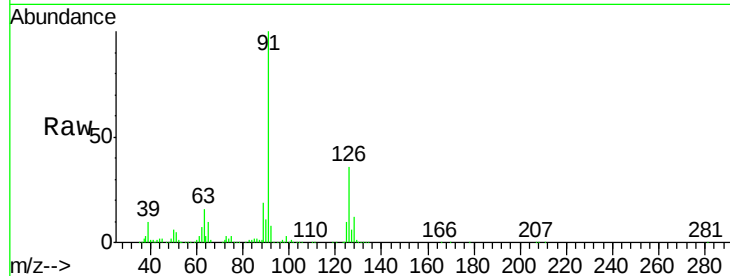
91 100

126 35.9 17.2 51.5

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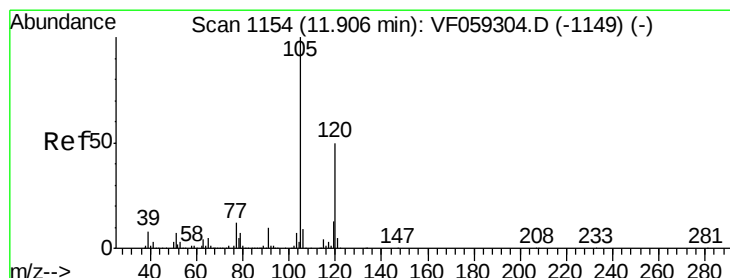
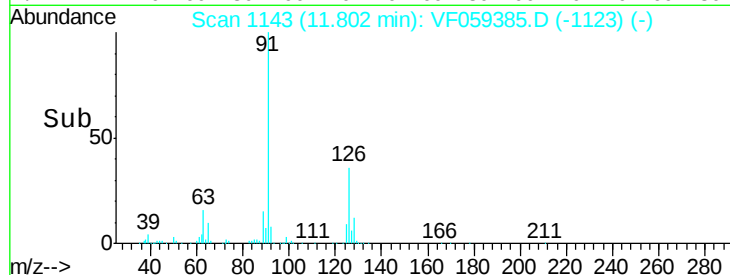
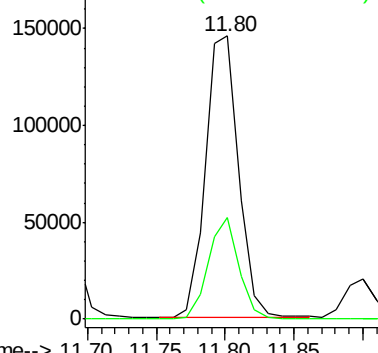
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.17 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059385.D

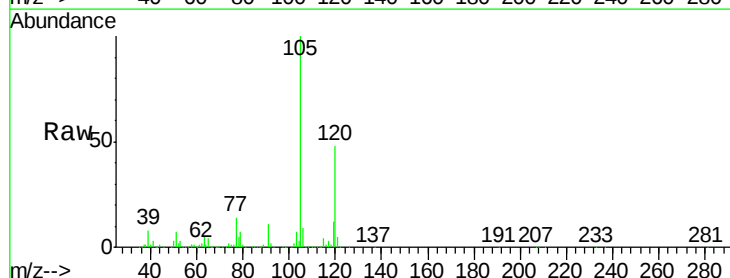
Acq: 2 Jul 2018 14:22

Tgt Ion:105 Resp: 299657

Ion Ratio Lower Upper

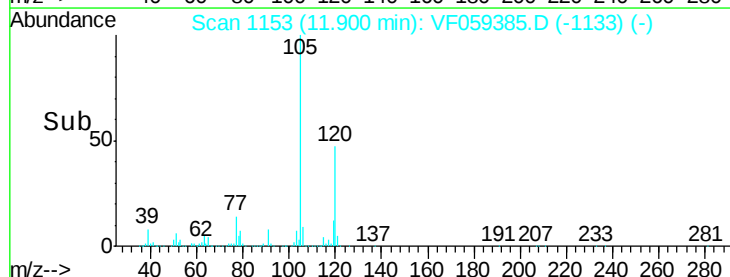
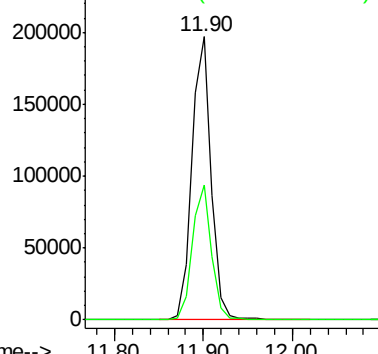
105 100

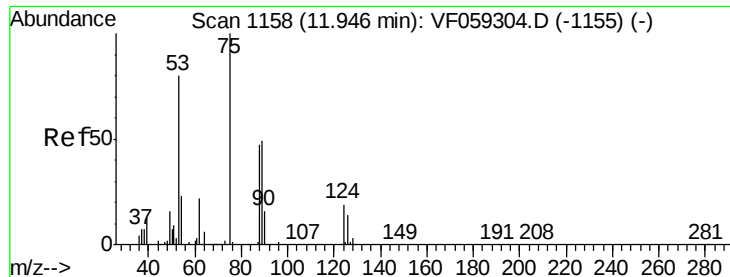
120 47.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.74 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

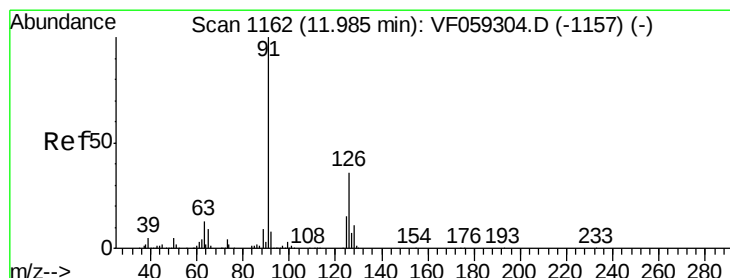
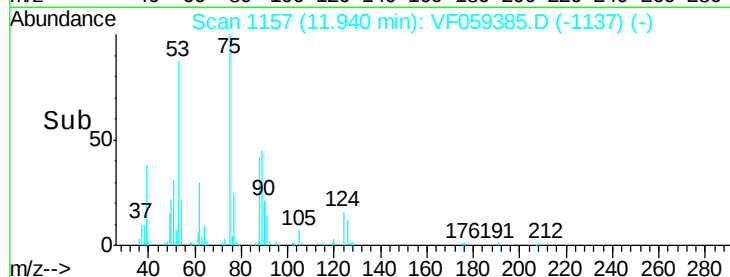
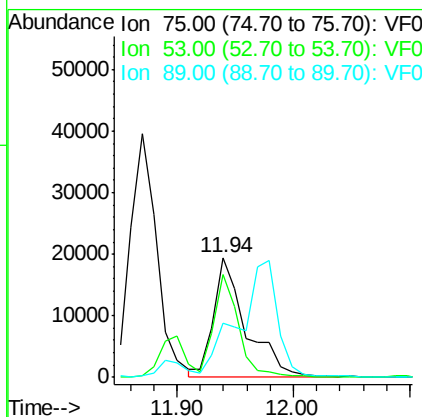
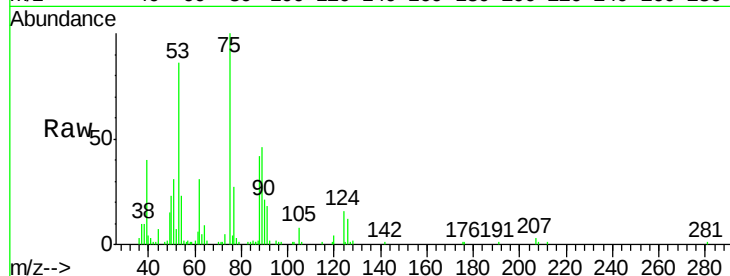
ClientSampleId :

VF0702SBS01

Tot Ion:	75	Resp:	38069
Ion Ratio	Lower	Upper	
75	100		
53	86.0	68.8	103.2
89	45.7	42.0	63.0

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#82

4-Chlorotoluene

Concen: 22.09 ug/l

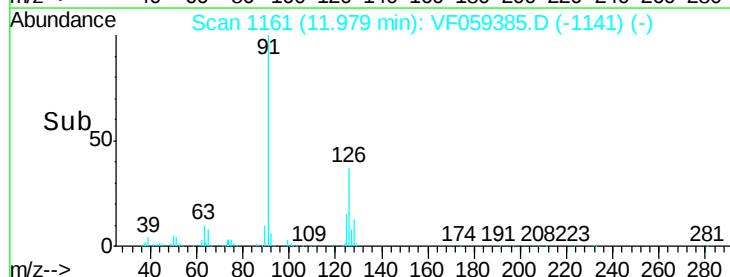
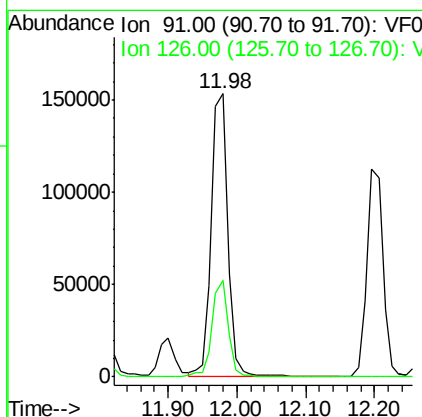
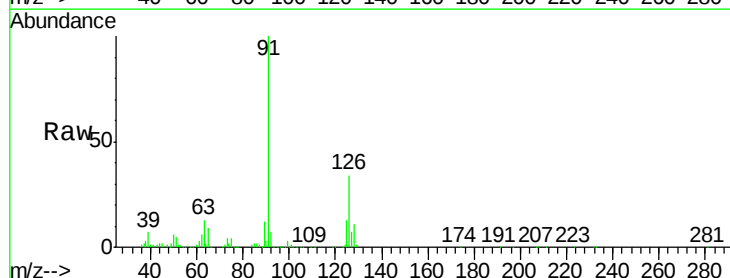
RT: 11.98 min Scan# 1161

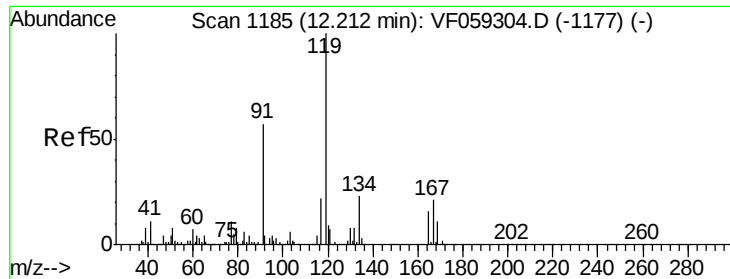
Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	91	Resp:	256320
Ion Ratio	Lower	Upper	
91	100		
126	34.3	18.2	54.6





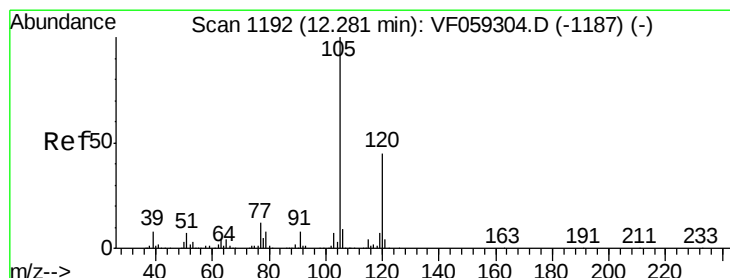
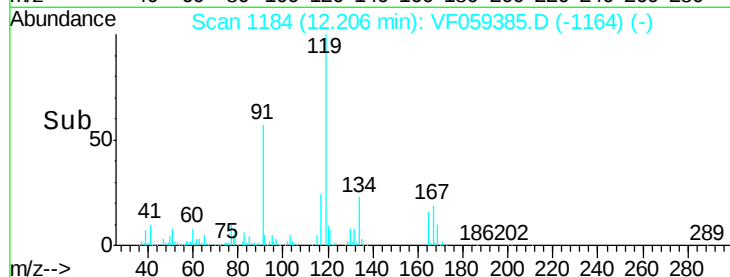
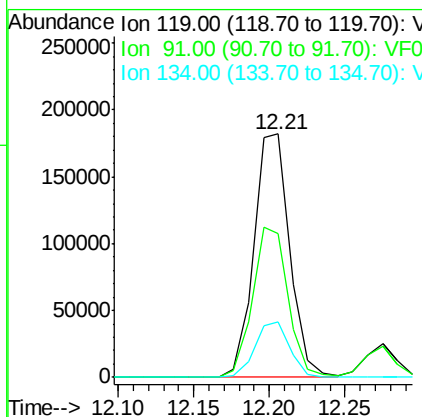
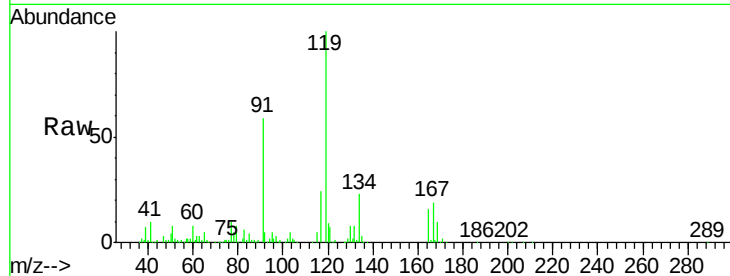
#83
tert-Butylbenzene
Concen: 23.36 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	302102		
91	59.1	28.4	85.2	
134	22.5	11.7	35.1	

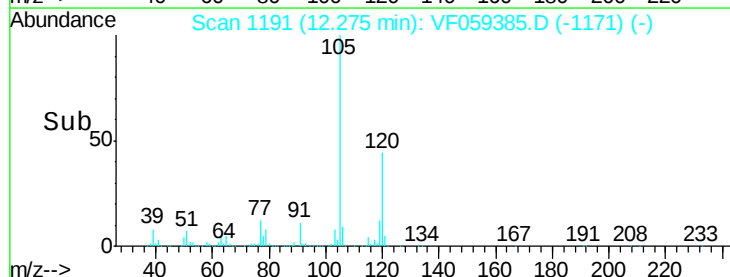
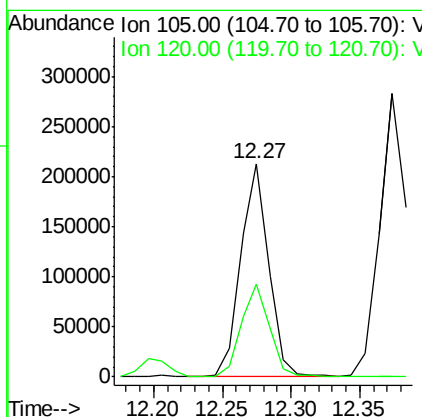
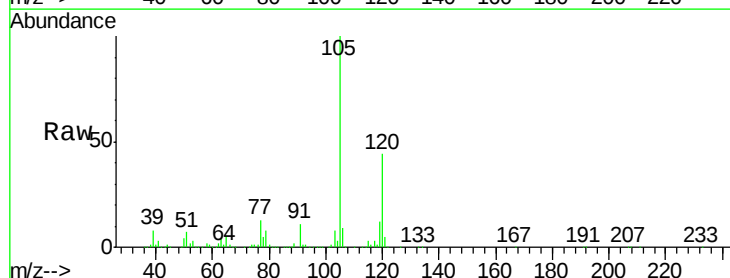
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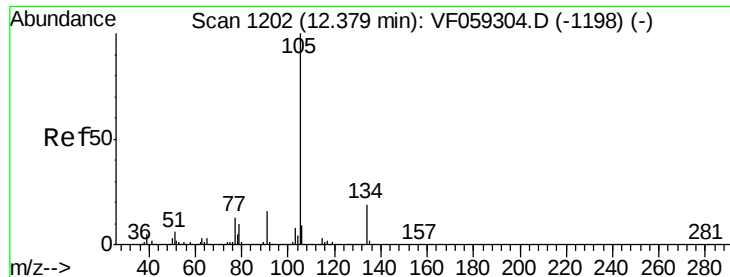
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#84
1,2,4-Trimethylbenzene
Concen: 22.23 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302747		
120	43.5	22.8	68.4	





#85

sec-Butylbenzene

Concen: 22.87 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0702SBS01

Tot Ion:105 Resp: 392044

Ion Ratio Lower Upper

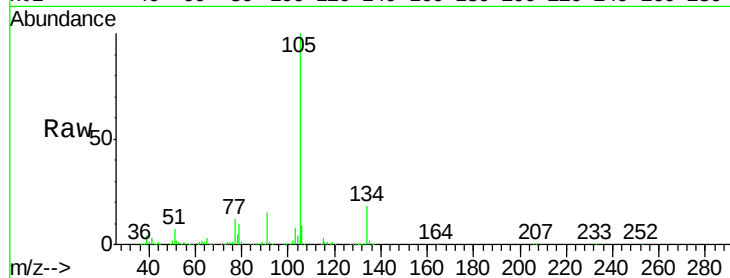
105 100

134 17.8 9.4 28.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

300000

250000

200000

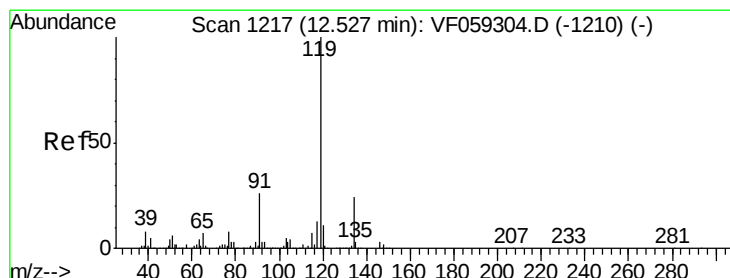
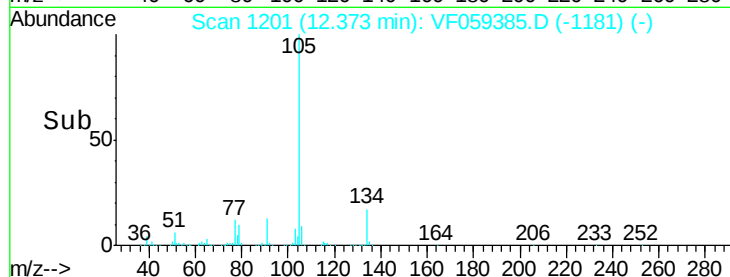
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.68 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

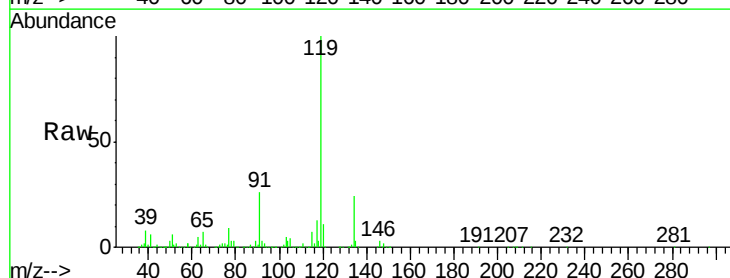
Tgt Ion:119 Resp: 340763

Ion Ratio Lower Upper

119 100

134 23.6 12.2 36.4

91 25.7 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

12.52

300000

250000

200000

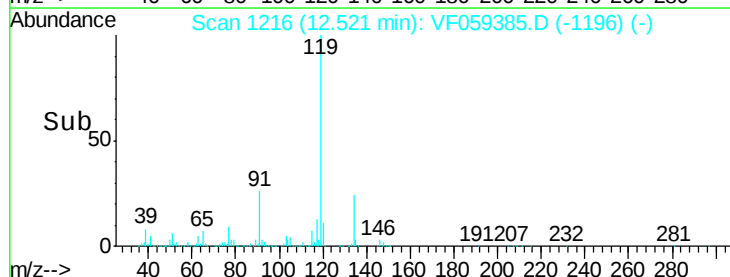
150000

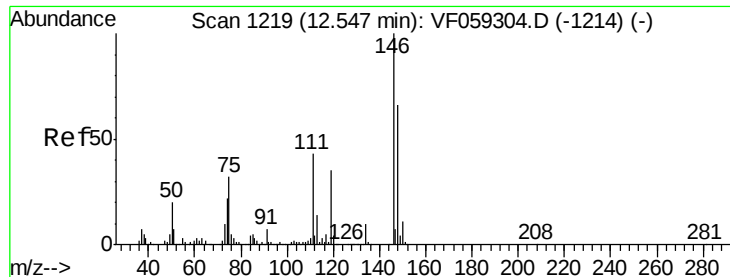
100000

50000

0

Time-->





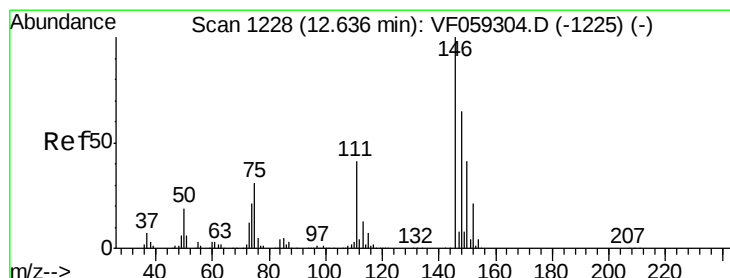
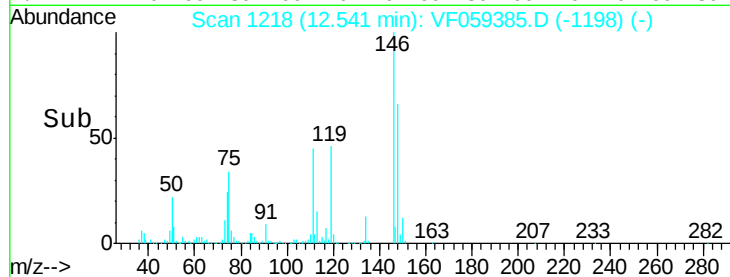
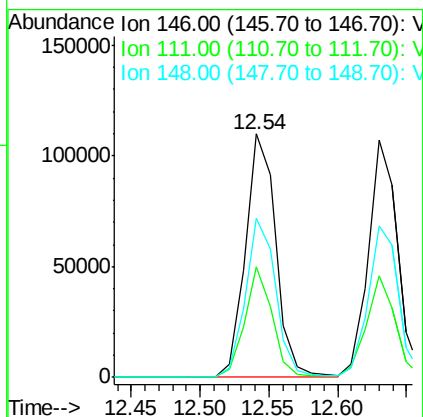
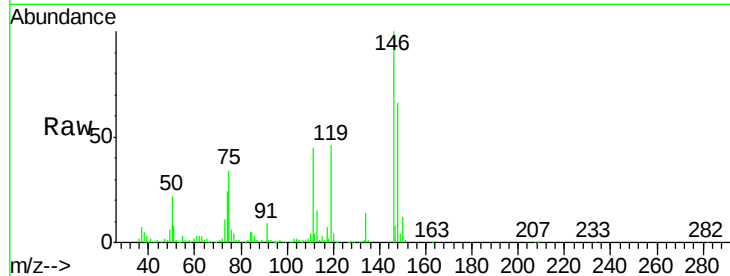
#87
 1,3-Dichlorobenzene
 Concen: 22.73 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.4	64.2
148	65.6	32.8	98.4

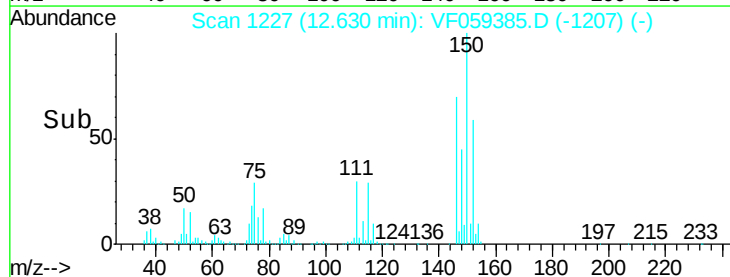
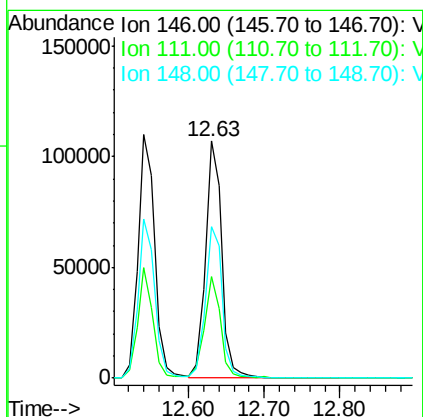
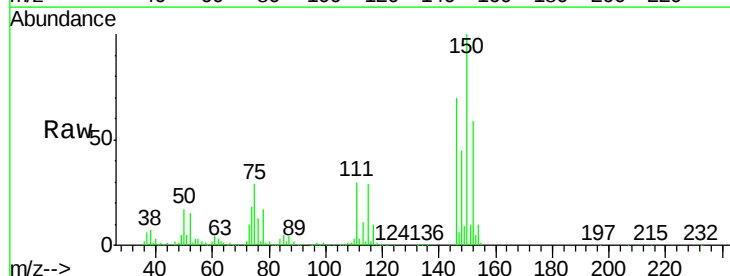
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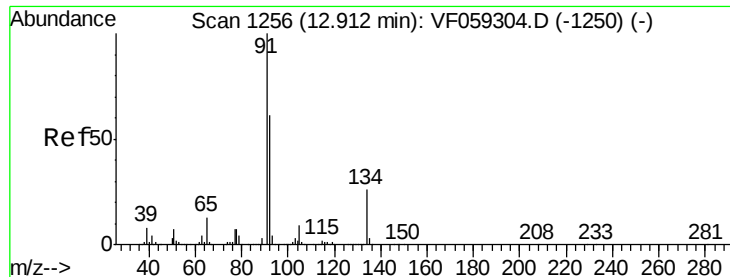
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#88
 1,4-Dichlorobenzene
 Concen: 22.06 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.7	62.1
148	63.7	32.8	98.3





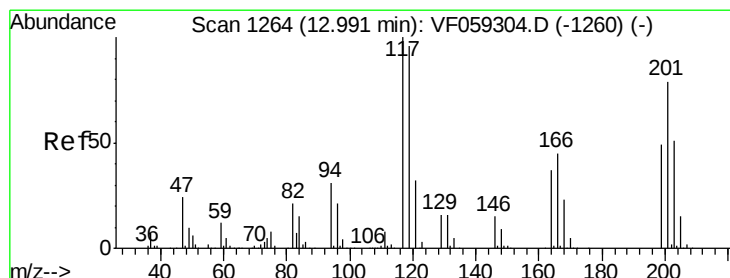
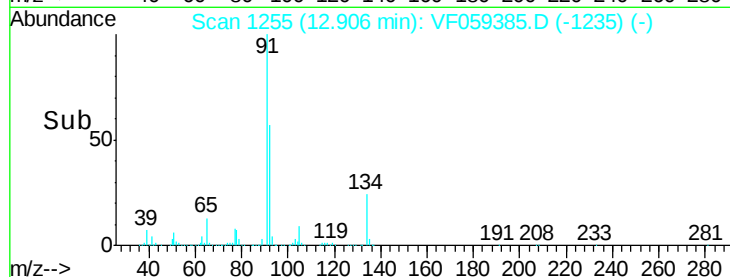
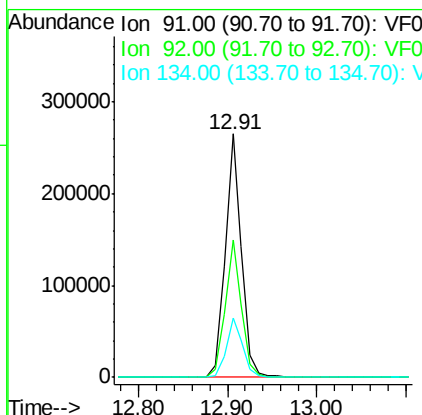
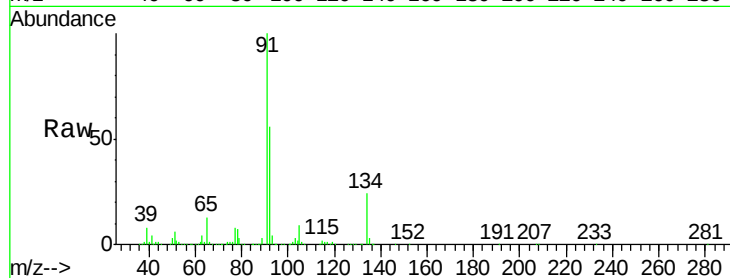
#89
n-Butylbenzene
Concen: 23.34 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0702SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.5	30.3	91.0
134	24.3	12.9	38.7

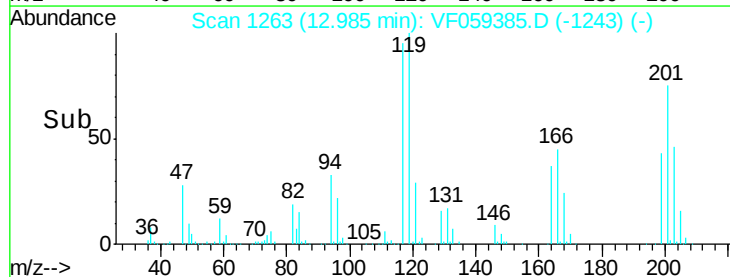
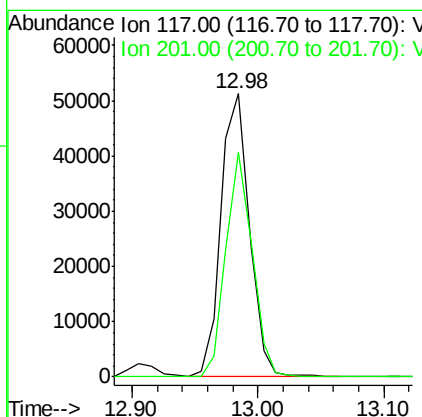
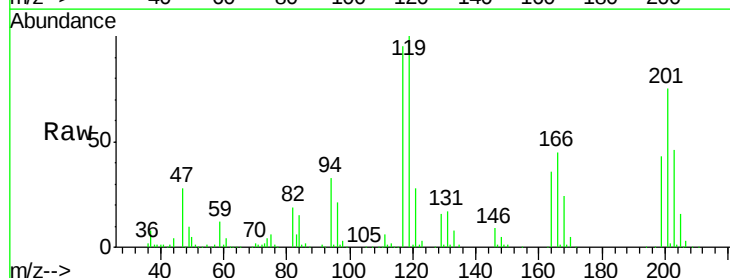
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#90
Hexachloroethane
Concen: 22.43 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059385.D
Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.5	118.5





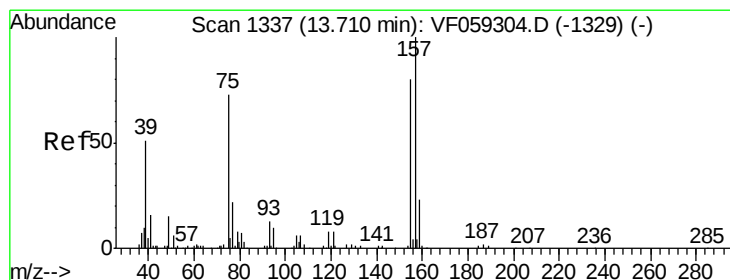
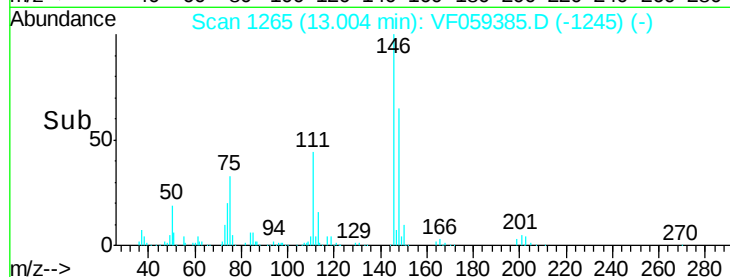
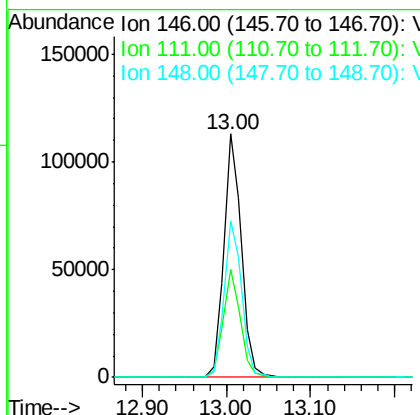
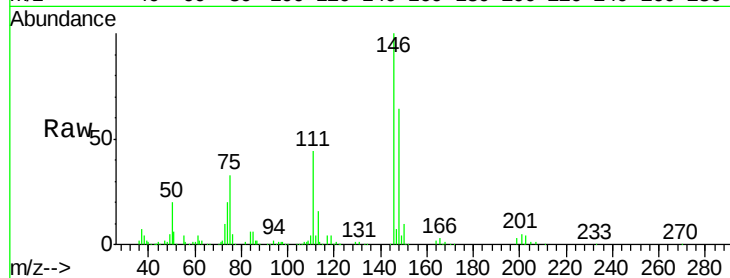
#91
 1,2-Dichlorobenzene
 Concen: 22.04 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.7	68.0
148	64.5	33.5	100.4

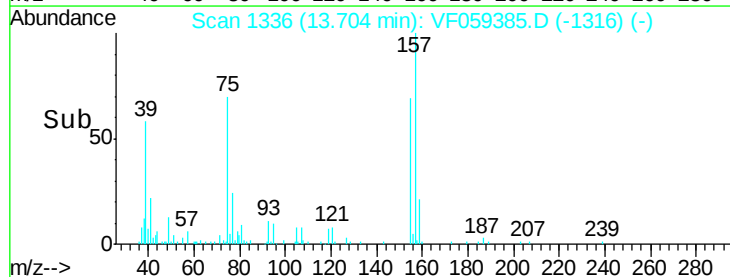
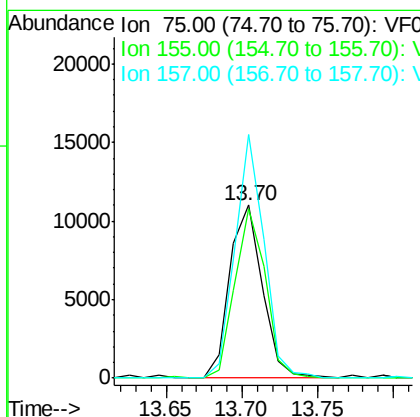
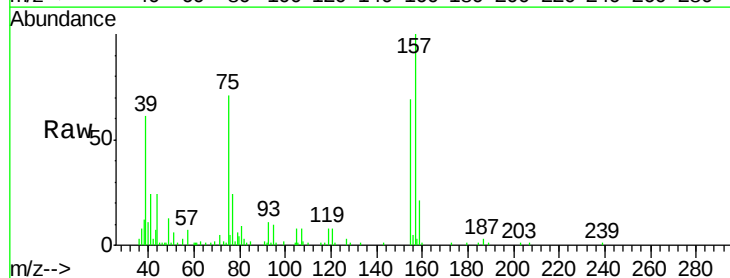
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.01 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	54.6	163.8
157	140.8	68.7	205.9





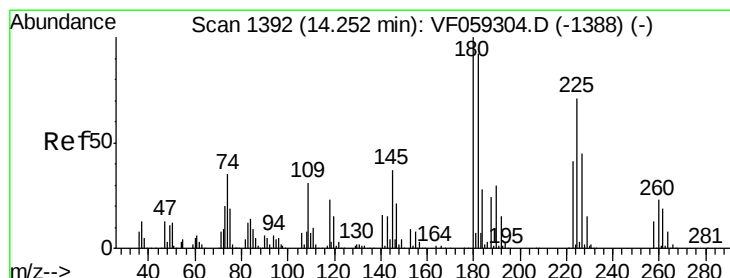
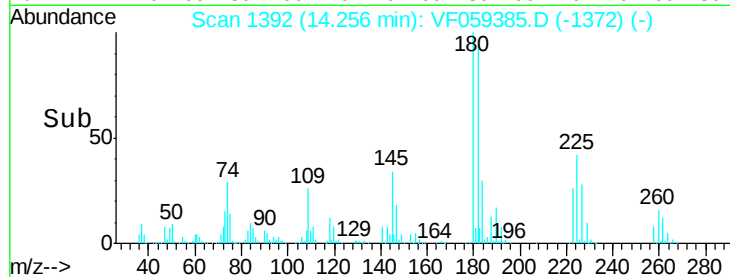
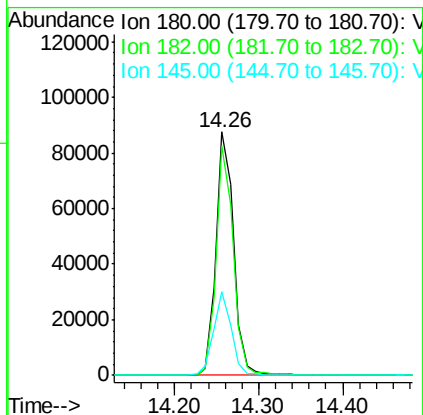
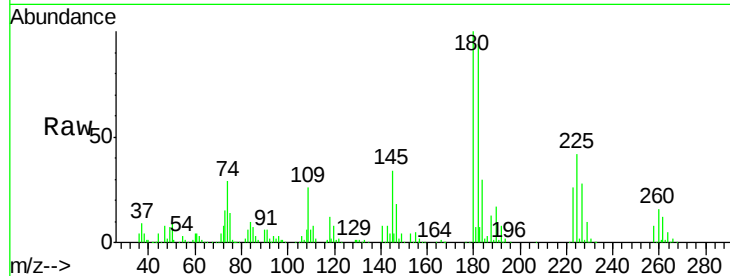
#93
 1,2,4-Trichlorobenzene
 Concen: 23.29 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0702SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	34.5	15.3	45.8

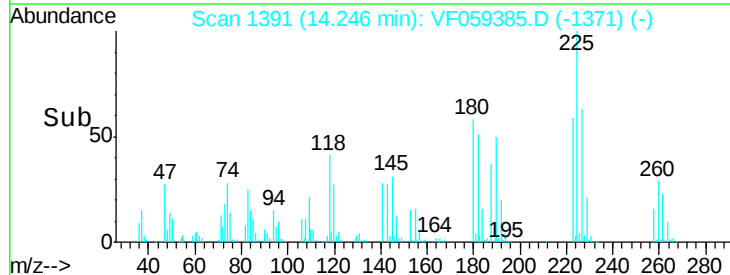
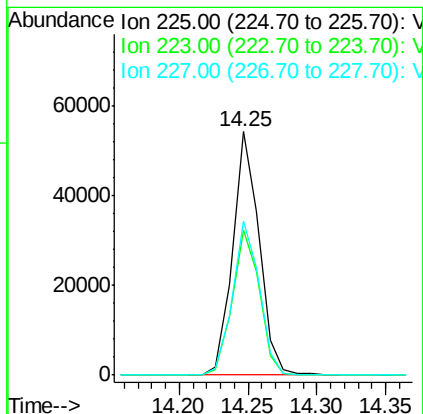
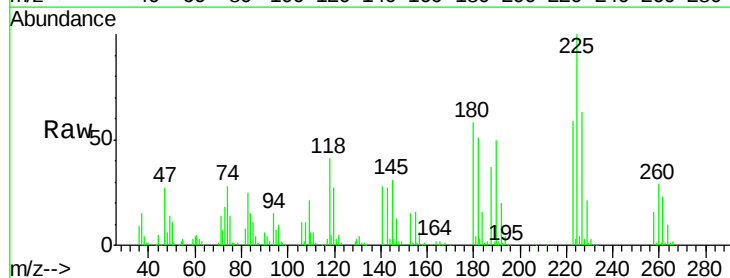
Manual Integrations
 APPROVED

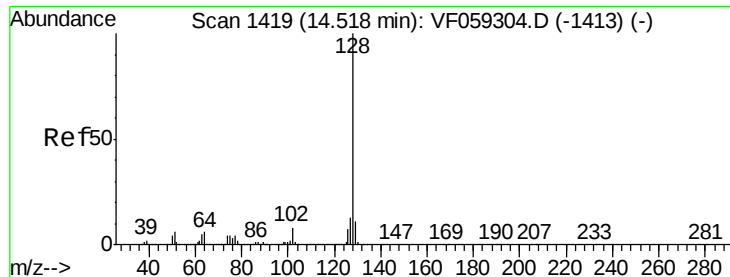
apatel
 7/3/2018 10:34:31 AM



#94
 Hexachlorobutadiene
 Concen: 23.62 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059385.D
 Acq: 2 Jul 2018 14:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	28.9	86.8
227	63.0	31.3	93.8





#95

Naphthalene

Concen: 21.96 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Instrument :

MSVOA_F

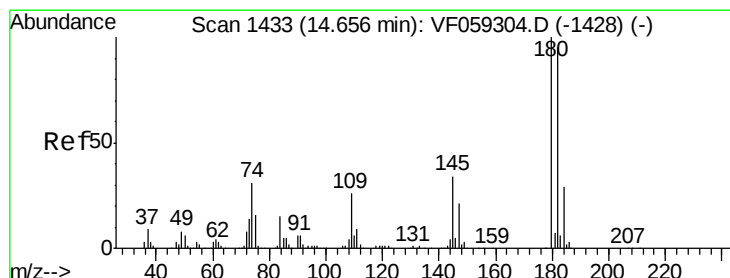
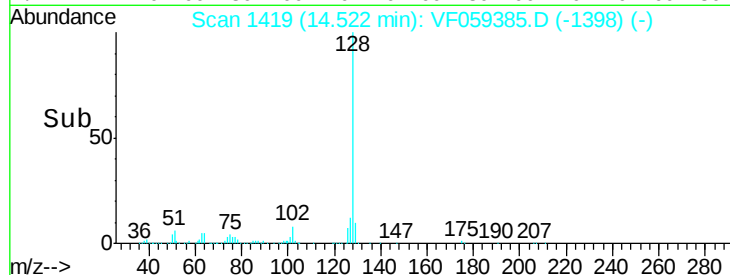
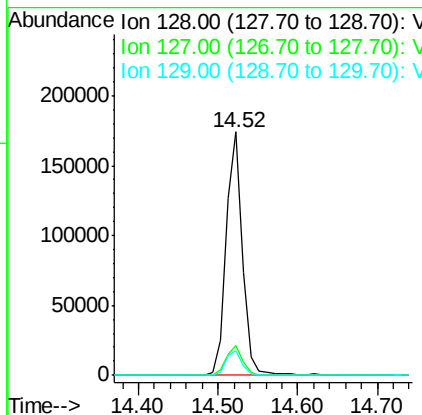
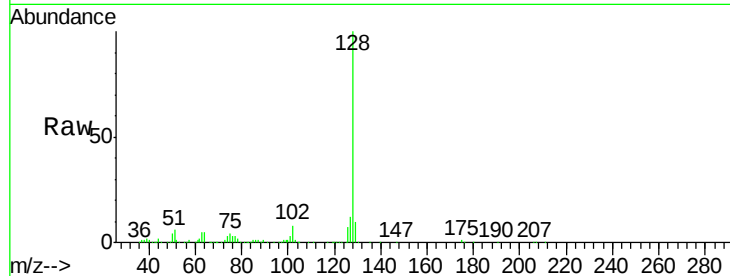
ClientSampleId :

VF0702SBS01

Tot Ion:	128	Resp:	252594
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.1	15.1
129	10.0	8.8	13.2

Manual Integrations
APPROVED

apatel
7/3/2018 10:34:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.46 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059385.D

Acq: 2 Jul 2018 14:22

Tgt Ion:	180	Resp:	116977
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.5	142.5
145	29.7	17.0	50.9

