

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059265.D
 Acq On : 21 Jun 2018 16:45
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:27 AM

Quant Time: Jun 22 05:04:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	385680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	378577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	231102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	72539	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
35) Dibromofluoromethane	4.30	113	68405	25.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.08%	
50) Toluene-d8	7.71	98	165152	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
62) 4-Bromofluorobenzene	11.51	95	92656	22.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	54451	19.96	ug/l	92
3) Chloromethane	1.08	50	33381	16.41	ug/l	95
4) Vinyl Chloride	1.14	62	32813	17.55	ug/l	99
5) Bromomethane	1.34	94	23439	20.95	ug/l	90
6) Chloroethane	1.43	64	17261	21.72	ug/l	100
7) Trichlorofluoromethane	1.49	101	62350m	20.57	ug/l	
8) Diethyl Ether	1.70	74	13568	18.44	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39425	21.07	ug/l	94
10) Methyl Iodide	1.97	142	64279	19.55	ug/l	95
11) Tert butyl alcohol	2.69	59	20266	108.03	ug/l #	84
12) 1,1-Dichloroethene	1.86	96	32580	20.78	ug/l	88
13) Acrolein	2.09	56	17256	105.72	ug/l	88
14) Allyl chloride	2.19	41	64704	20.96	ug/l	96
15) Acrylonitrile	3.07	53	37207	103.33	ug/l	92
16) Acetone	2.34	43	80926	114.03	ug/l #	93
17) Carbon Disulfide	1.87	76	73492	17.04	ug/l	100
18) Methyl Acetate	2.45	43	26821	21.61	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	115146	22.92	ug/l	99
20) Methylene Chloride	2.27	84	32577m	19.54	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	31742	18.23	ug/l	84
22) Diisopropyl ether	2.94	45	129475	20.96	ug/l #	95
23) Vinyl Acetate	3.33	43	446306	110.79	ug/l	98
24) 1,1-Dichloroethane	3.00	63	85134	22.62	ug/l	98
25) 2-Butanone	4.51	43	109542	100.99	ug/l	100
26) 2,2-Dichloropropane	3.76	77	60425	22.24	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	54374	20.41	ug/l	94
28) Bromochloromethane	3.89	49	42888	25.76	ug/l	86
29) Tetrahydrofuran	4.28	42	52176	110.25	ug/l	98
30) Chloroform	4.04	83	120514	22.46	ug/l	99
31) Cyclohexane	3.86	56	56993	17.96	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	99633	24.72	ug/l	93
36) 1,1-Dichloropropene	4.45	75	73994	19.73	ug/l	97
37) Ethyl Acetate	4.28	43	56872	24.29	ug/l	100
38) Carbon Tetrachloride	4.17	117	98292	23.62	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	66356	17.86	ug/l	99
40) Benzene	4.81	78	165166	19.16	ug/l	99
41) Methacrylonitrile	4.92	41	23875	20.77	ug/l	96
42) 1,2-Dichloroethane	5.11	62	92865	22.79	ug/l	100
43) Isopropyl Acetate	7.11	43	58014	18.44	ug/l #	93
44) Trichloroethene	5.68	130	55583	20.10	ug/l	83
45) 1,2-Dichloropropane	6.39	63	45913	18.40	ug/l	100
46) Dibromomethane	6.26	93	40129	21.10	ug/l	98
47) Bromodichloromethane	6.55	83	100234	22.83	ug/l	98
48) Methyl methacrylate	6.88	41	37812	19.63	ug/l	89
49) 1,4-Dioxane	6.88	88	3895	305.21	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	215100	99.59	ug/l	95
52) Toluene	7.77	92	124956	19.95	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	90018	21.01	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	95432	19.84	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	47463	20.57	ug/l	93
56) Ethyl methacrylate	8.76	69	53696	18.47	ug/l	99
57) 1,3-Dichloropropane	9.00	76	80032	20.43	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	22965	109.43	ug/l	100
59) 2-Hexanone	9.63	43	175749	102.82	ug/l	99
60) Dibromochloromethane	8.86	129	69345	20.69	ug/l	90
61) 1,2-Dibromoethane	9.14	107	57771	21.51	ug/l	99
64) Tetrachloroethene	8.31	164	54665	19.55	ug/l	90
65) Chlorobenzene	9.94	112	159414	20.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	67005	22.06	ug/l	93
67) Ethyl Benzene	10.04	91	270010	20.65	ug/l	98
68) m/p-Xylenes	10.27	106	194549	39.19	ug/l	92
69) o-Xylene	10.83	106	104054	19.48	ug/l	96
70) Styrene	10.90	104	168776	21.01	ug/l	99
71) Bromoform	10.89	173	48331	23.12	ug/l	94
73) Isopropylbenzene	11.23	105	315606	19.74	ug/l	99
74) N-amyl acetate	11.46	43	106563	18.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	77148	20.35	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	55852	19.90	ug/l	98
77) Bromobenzene	11.60	156	86296	21.17	ug/l	94
78) n-propylbenzene	11.69	91	385117	20.34	ug/l	99
79) 2-Chlorotoluene	11.82	91	233157	20.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	280853	21.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34645	18.96	ug/l #	93
82) 4-Chlorotoluene	11.99	91	246854	20.63	ug/l	100
83) tert-Butylbenzene	12.21	119	284035	21.40	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301567	22.01	ug/l	98
85) sec-Butylbenzene	12.39	105	381262	21.32	ug/l	98
86) p-Isopropyltoluene	12.54	119	313002	21.26	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	157710	21.02	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	154376	21.33	ug/l	99
89) n-Butylbenzene	12.92	91	336818	22.00	ug/l	97
90) Hexachloroethane	13.00	117	77479	21.41	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	161009	22.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15957	21.11	ug/l	96

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QLast Update : Fri Jun 22 04:54:07 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118273	23.02	ug/l	98
94) Hexachlorobutadiene	14.26	225	67120	22.64	ug/l	99
95) Naphthalene	14.53	128	240695	21.91	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112300	23.62	ug/l	97

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

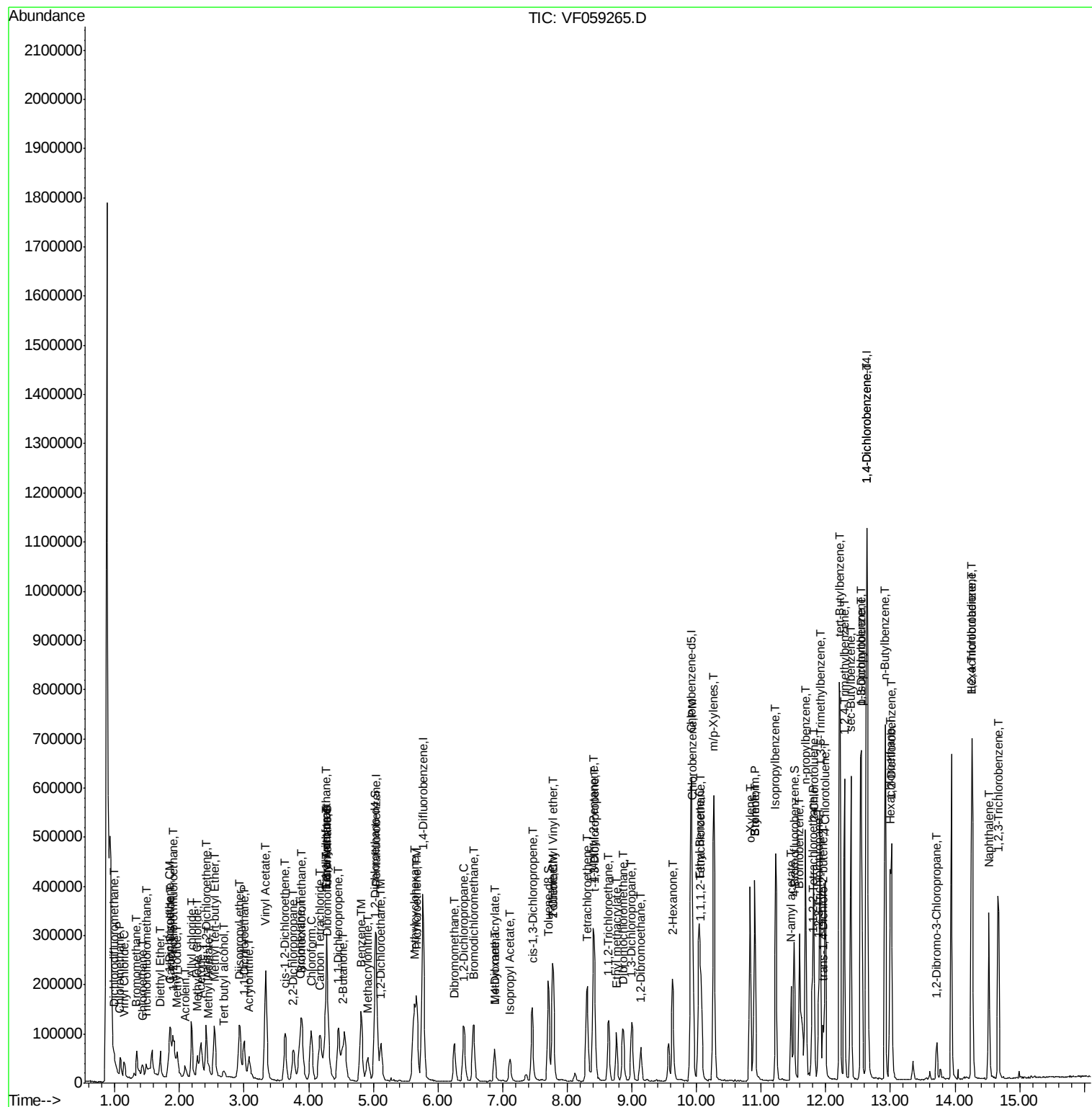
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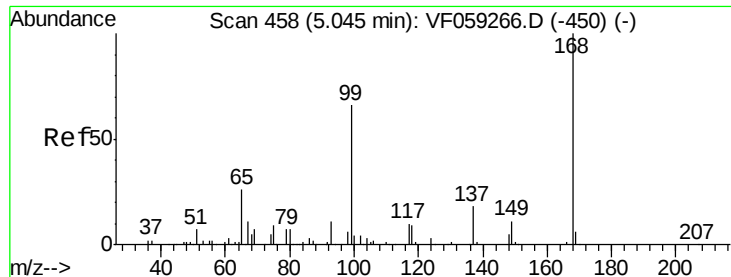
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 240243

Ion Ratio Lower Upper

168 100

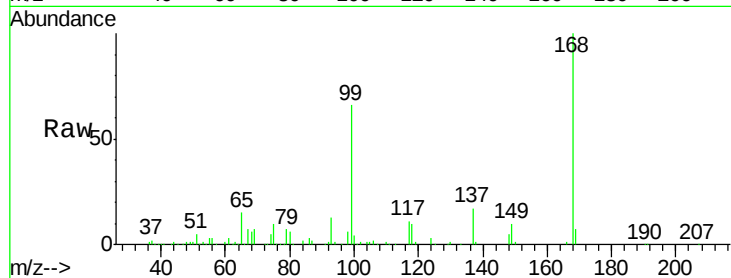
99 66.3 52.6 78.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

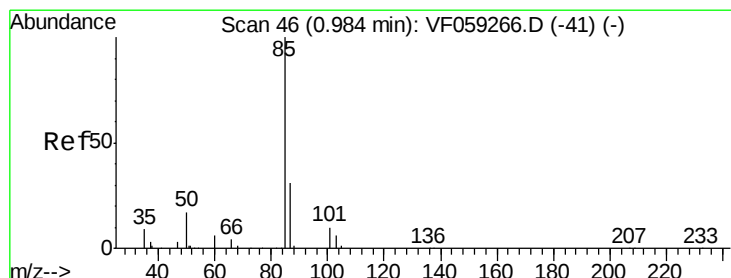
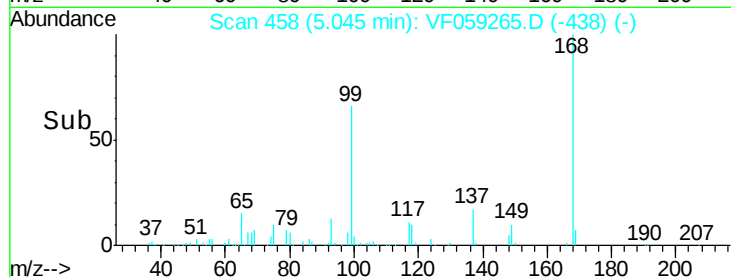
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.96 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059265.D

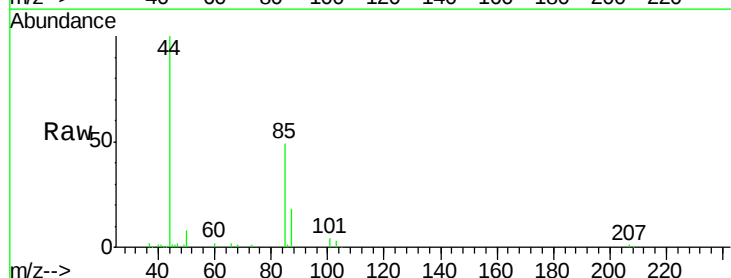
Acq: 21 Jun 2018 16:45

Tgt Ion: 85 Resp: 54451

Ion Ratio Lower Upper

85 100

87 35.8 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

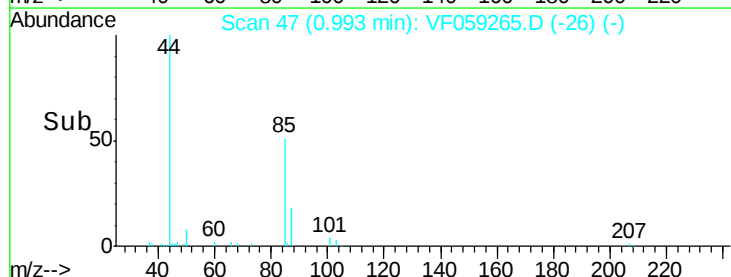
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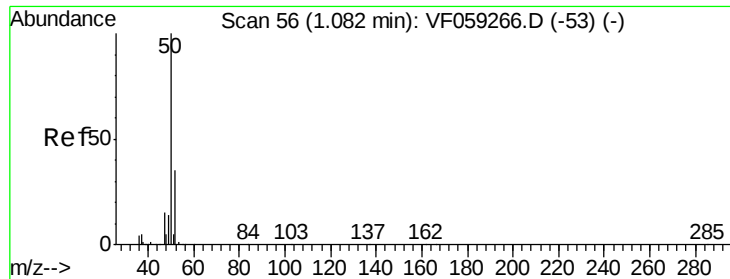
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 16.41 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 33381

Ion Ratio Lower Upper

50 100

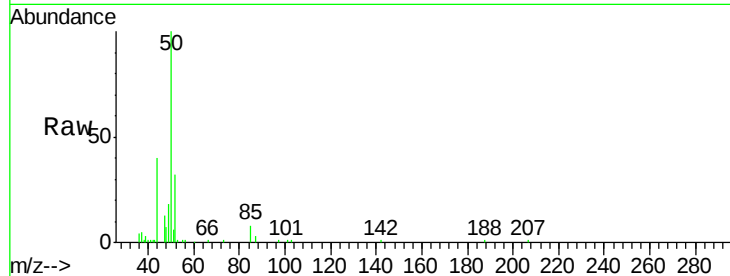
52 31.9 27.7 41.5

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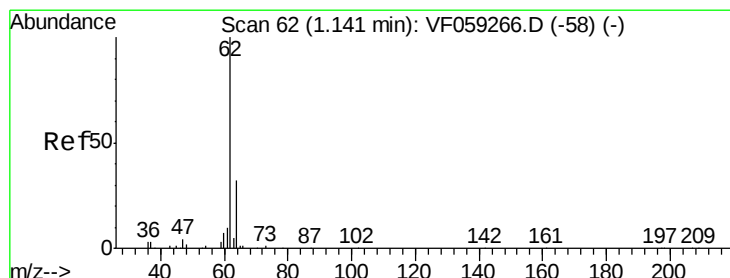
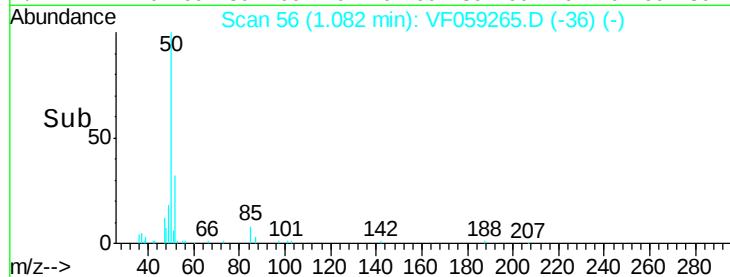
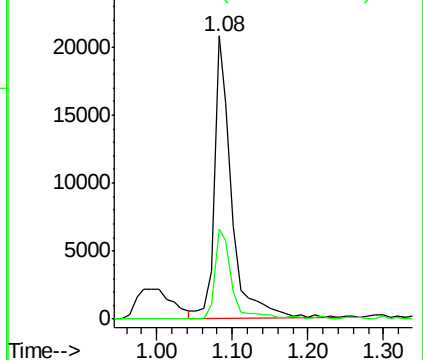
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 17.55 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059265.D

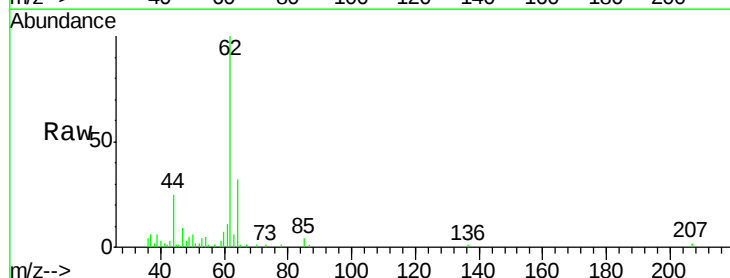
Acq: 21 Jun 2018 16:45

Tgt Ion: 62 Resp: 32813

Ion Ratio Lower Upper

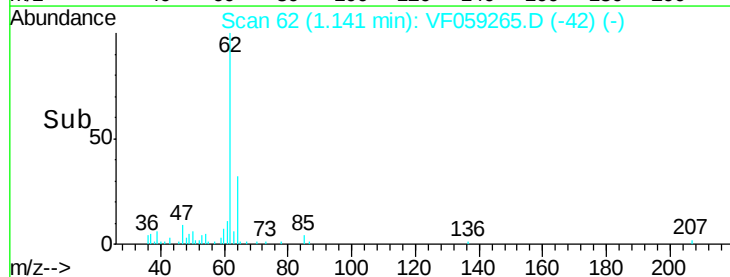
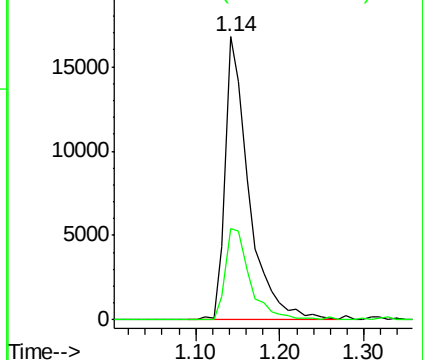
62 100

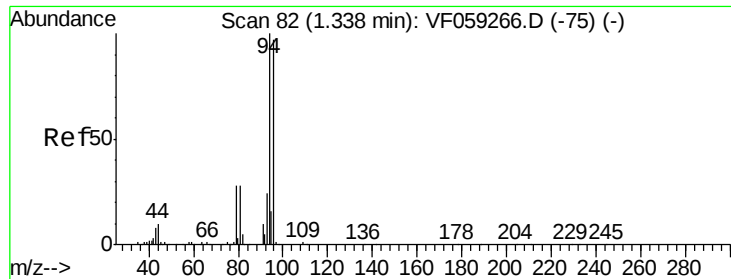
64 32.4 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.95 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 23439

Ion Ratio Lower Upper

94 100

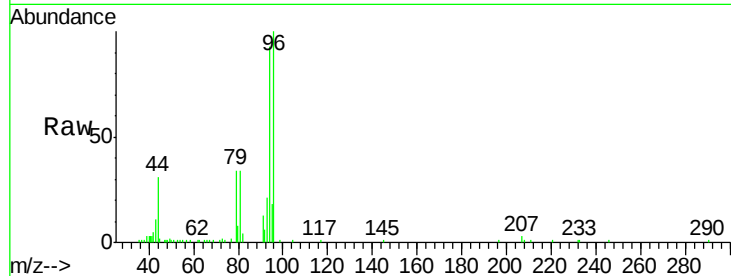
96 107.0 77.7 116.5

Manual Integrations

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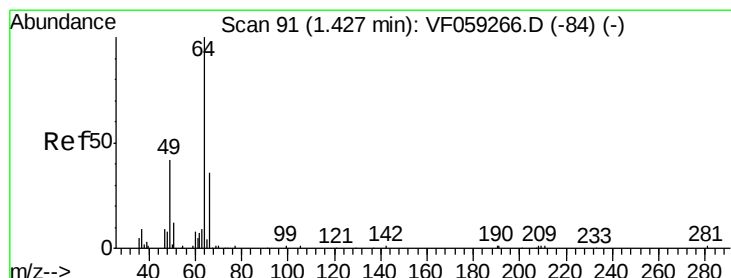
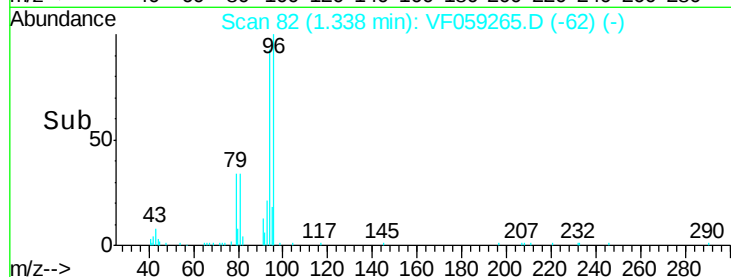
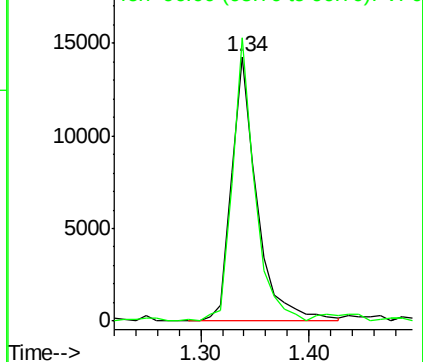
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.72 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059265.D

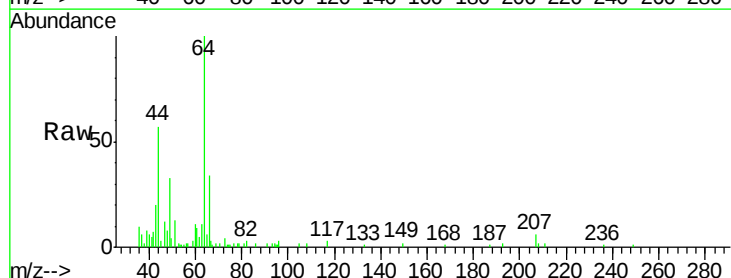
Acq: 21 Jun 2018 16:45

Tgt Ion: 64 Resp: 17261

Ion Ratio Lower Upper

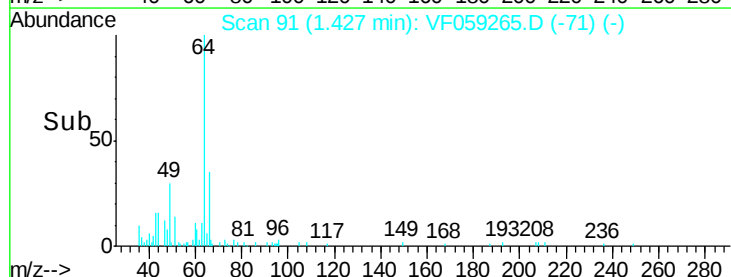
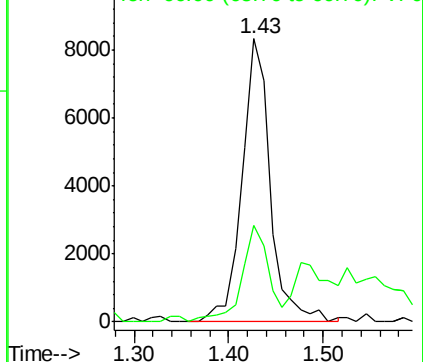
64 100

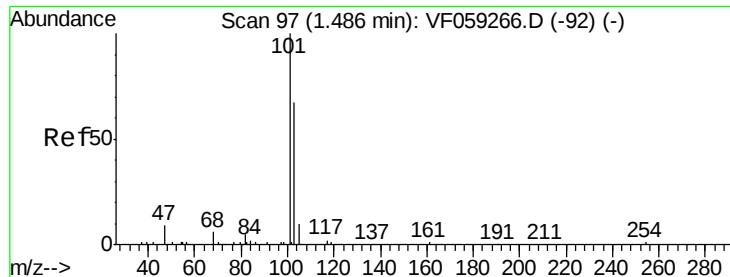
66 36.8 29.4 44.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

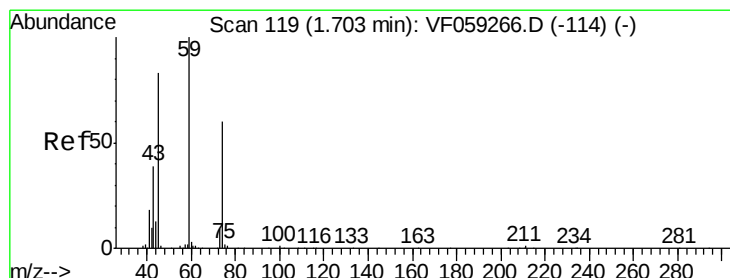
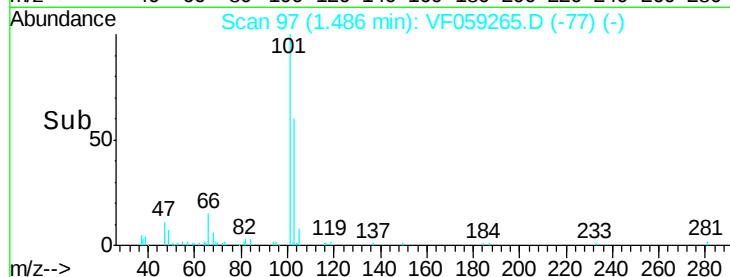
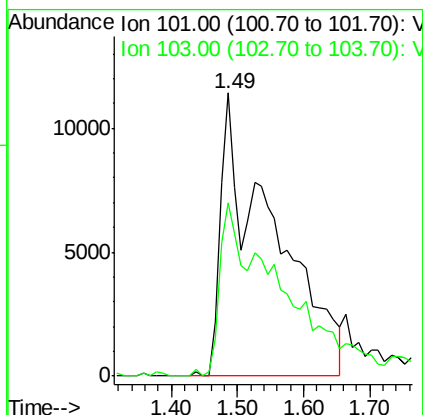
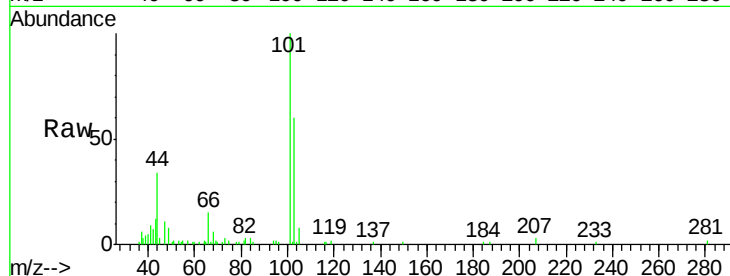
Trichlorofluoromethane
Concen: 20.57 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	53.8	80.8

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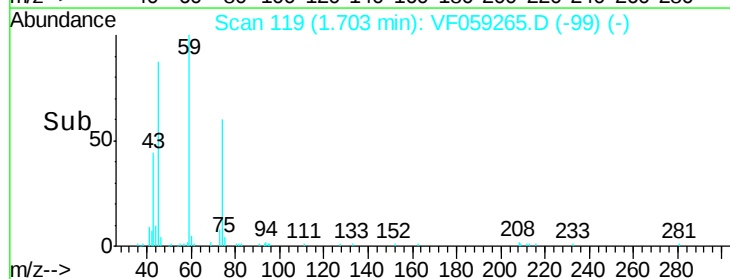
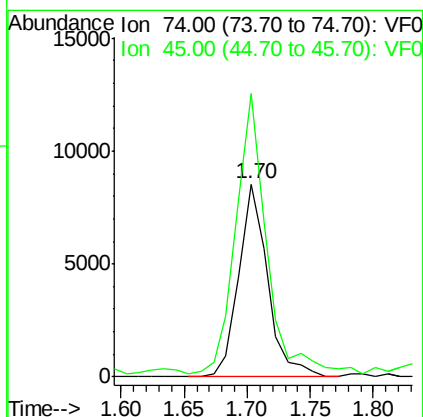
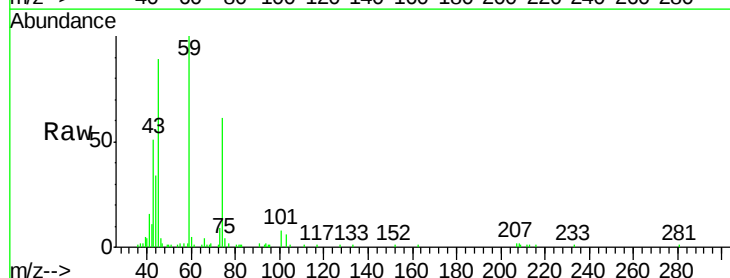
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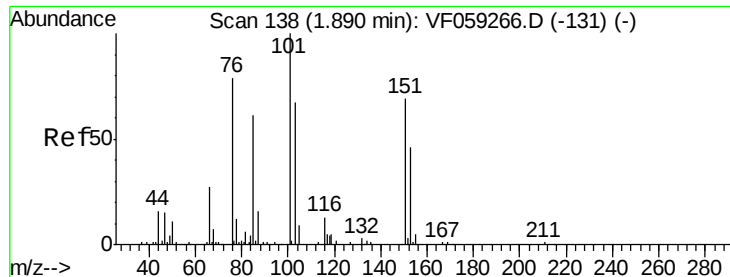


#8

Diethyl Ether
Concen: 18.44 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.6	69.2	207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.07 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

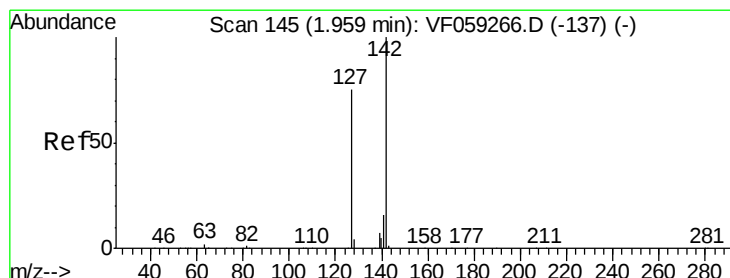
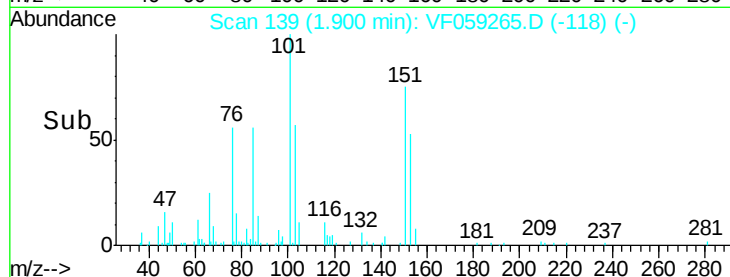
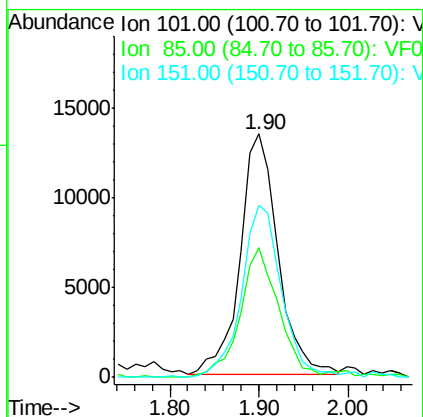
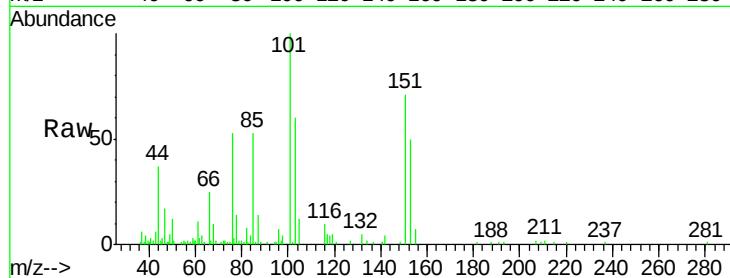
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	39425
Ion Ratio	Lower	Upper	
101	100		
85	53.2	47.2	70.8
151	70.8	53.3	79.9

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#10

Methyl Iodide

Concen: 19.55 ug/l

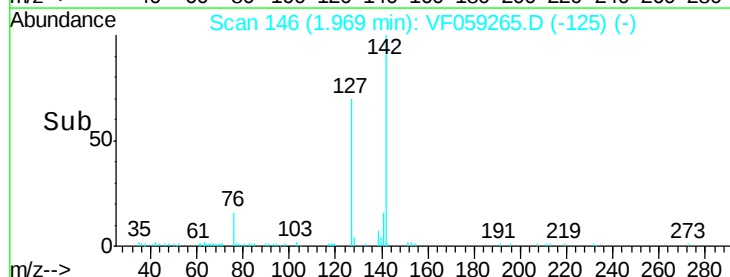
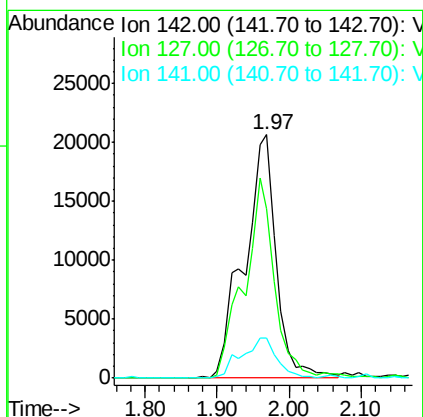
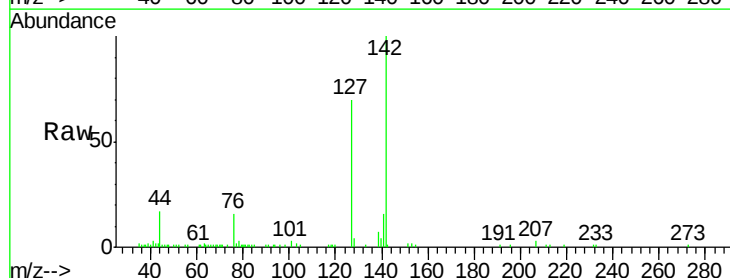
RT: 1.97 min Scan# 146

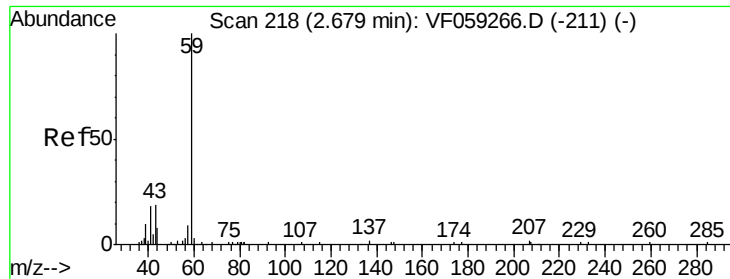
Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	142	Resp:	64279
Ion Ratio	Lower	Upper	
142	100		
127	69.4	59.9	89.9
141	16.3	12.7	19.1





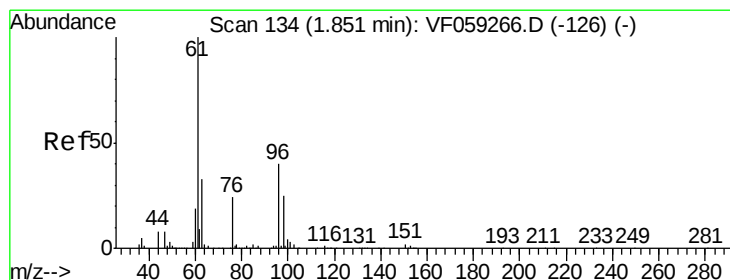
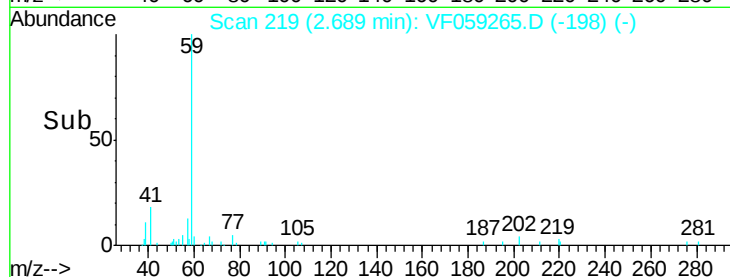
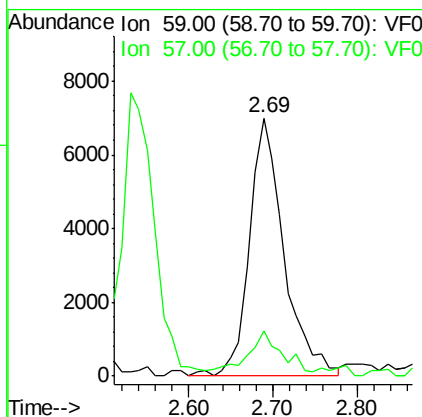
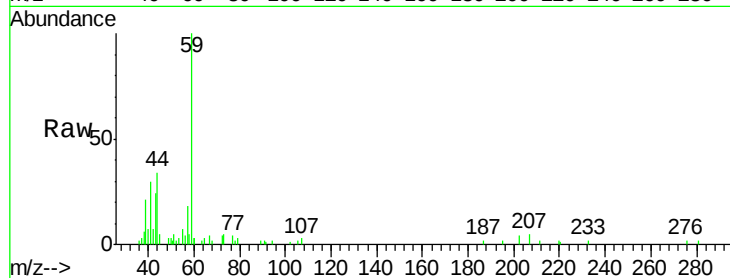
#11
Tert butyl alcohol
Concen: 108.03 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 20266
Ion Ratio Lower Upper
59 100
57 17.8 9.2 13.8#

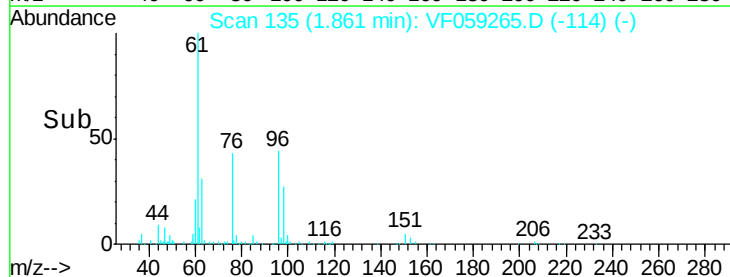
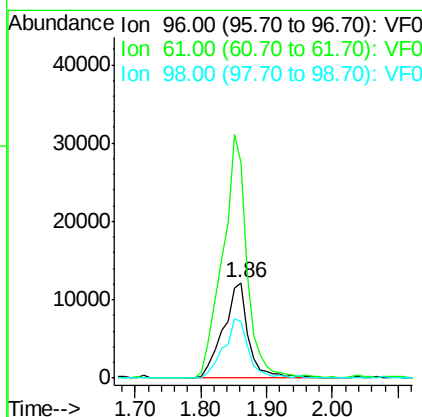
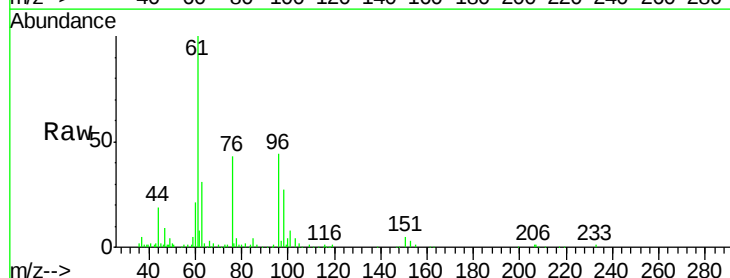
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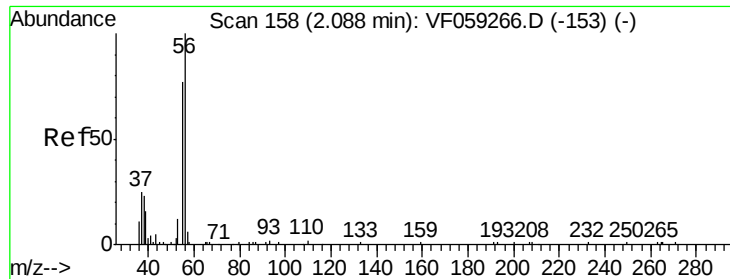
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#12
1,1-Dichloroethene
Concen: 20.78 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 96 Resp: 32580
Ion Ratio Lower Upper
96 100
61 226.1 201.4 302.2
98 60.2 50.0 75.0





#13

Acrolein

Concen: 105.72 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17256

Ion Ratio Lower Upper

56 100

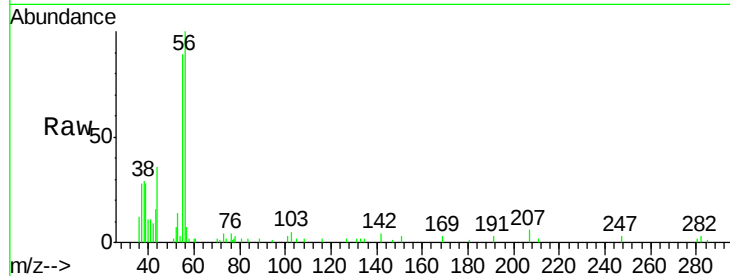
55 89.5 63.0 94.6

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

8000

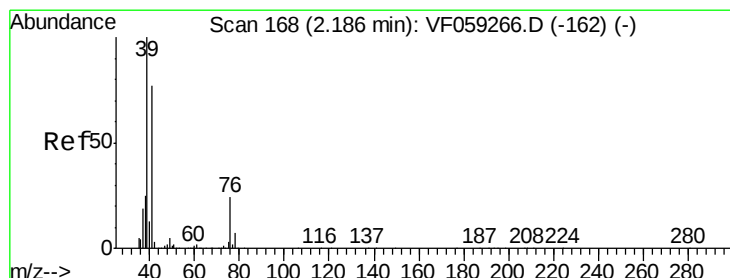
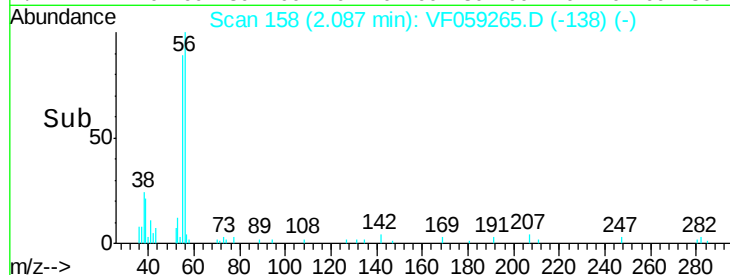
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.96 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

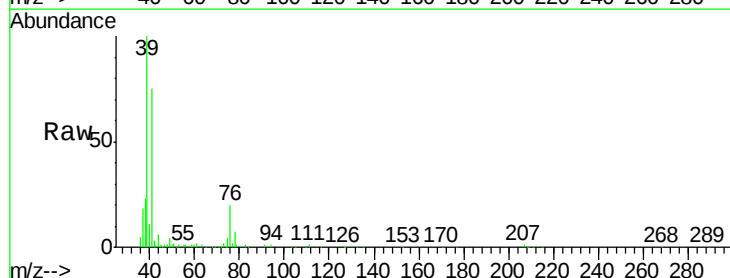
Tgt Ion: 41 Resp: 64704

Ion Ratio Lower Upper

41 100

39 133.8 103.8 155.6

76 27.0 25.0 37.6



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

50000

40000

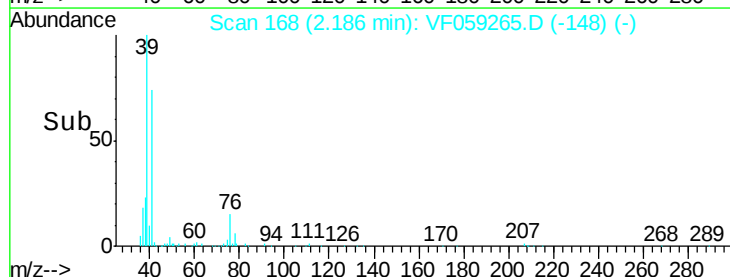
30000

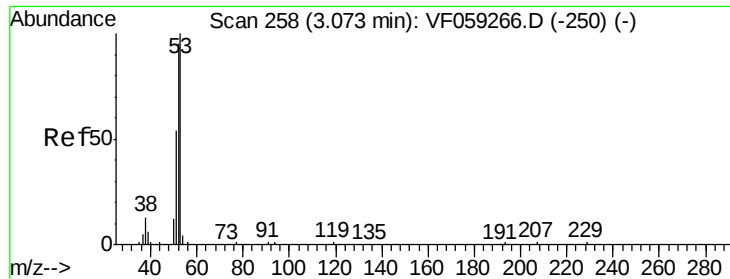
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 103.33 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

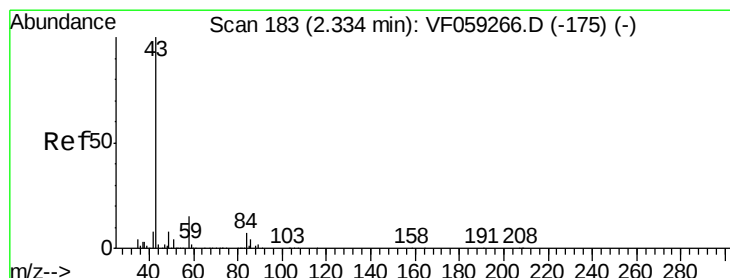
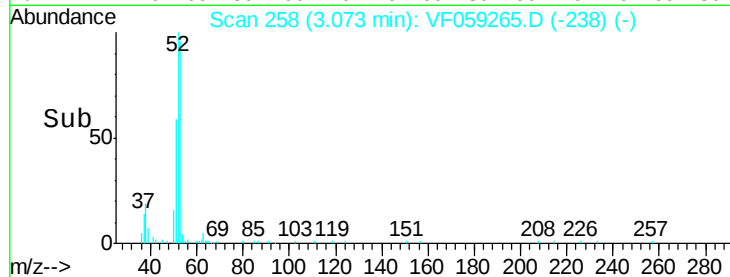
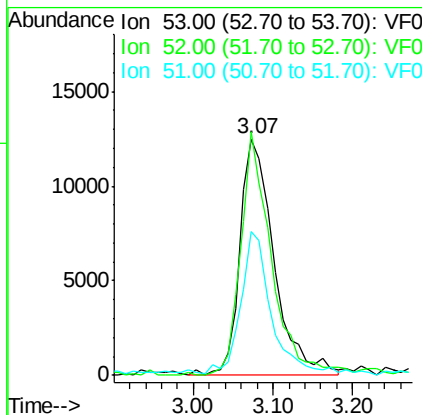
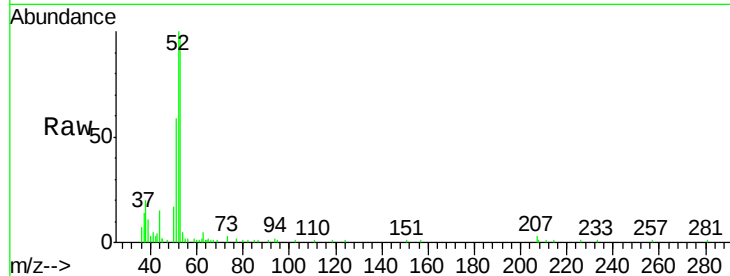
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	37207
Ion	Ratio	Lower	Upper
53	100		
52	103.0	75.7	113.5
51	60.8	44.5	66.7

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#16

Acetone

Concen: 114.03 ug/l

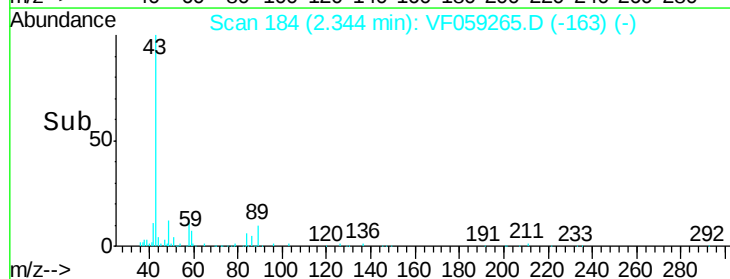
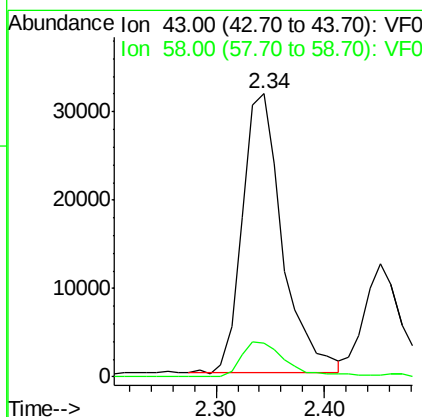
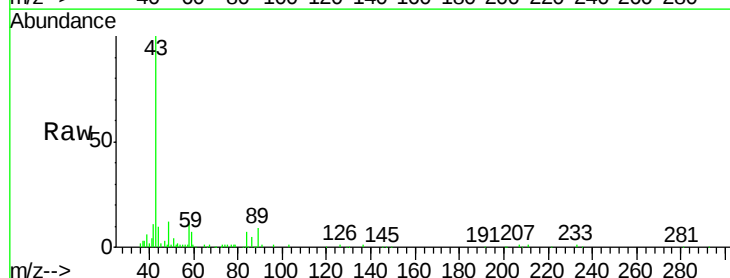
RT: 2.34 min Scan# 184

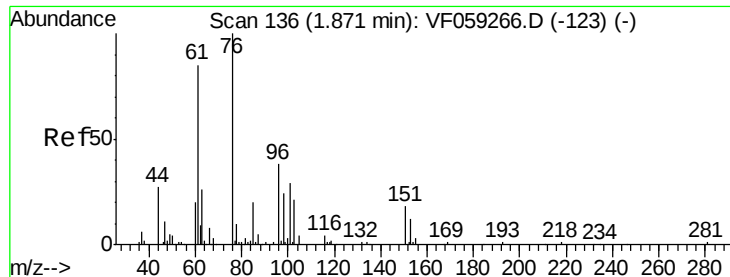
Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	43	Resp:	80926
Ion	Ratio	Lower	Upper
43	100		
58	12.1	12.1	18.1#





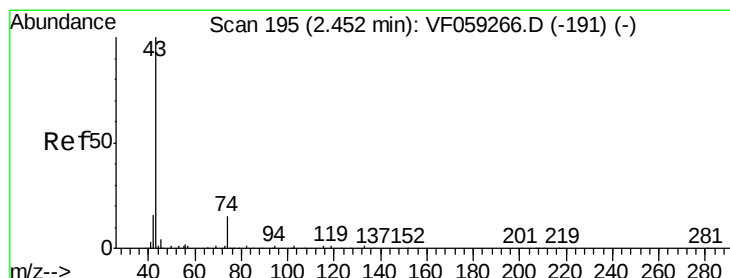
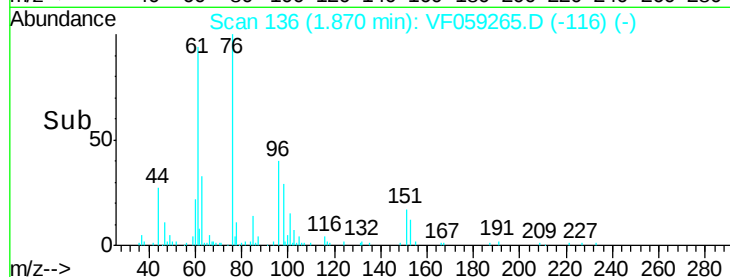
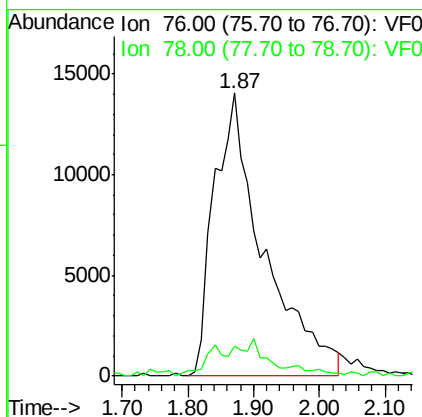
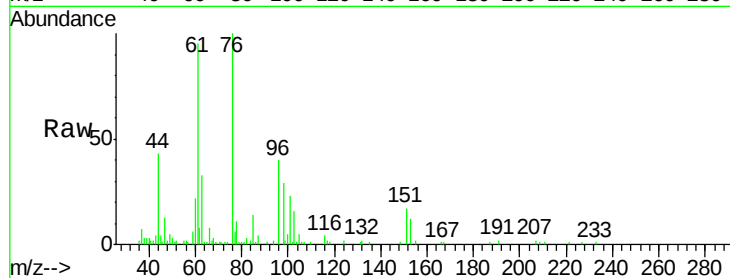
#17
Carbon Disulfide
Concen: 17.04 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 73492
Ion Ratio Lower Upper
76 100
78 10.7 8.6 12.8

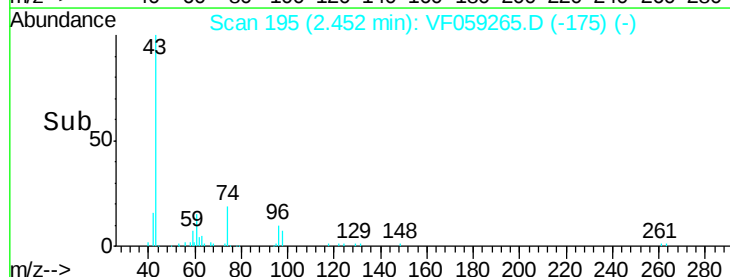
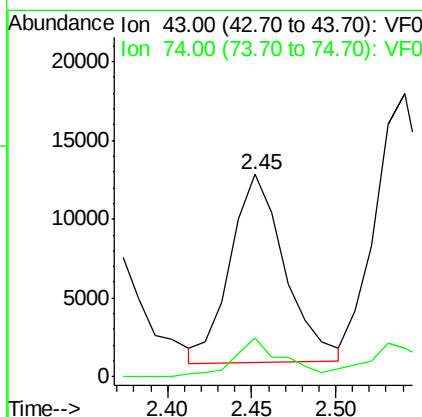
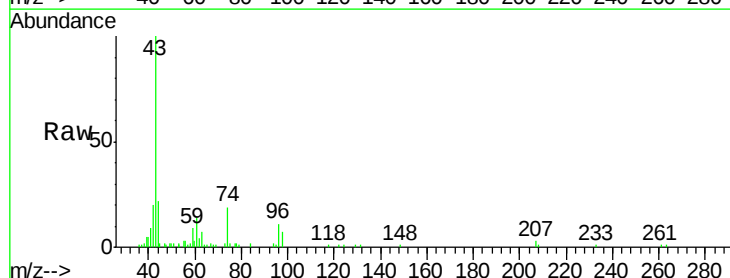
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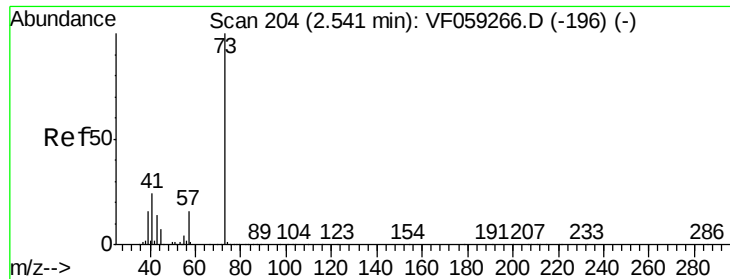
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#18
Methyl Acetate
Concen: 21.61 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 43 Resp: 26821
Ion Ratio Lower Upper
43 100
74 19.2 11.0 16.4#





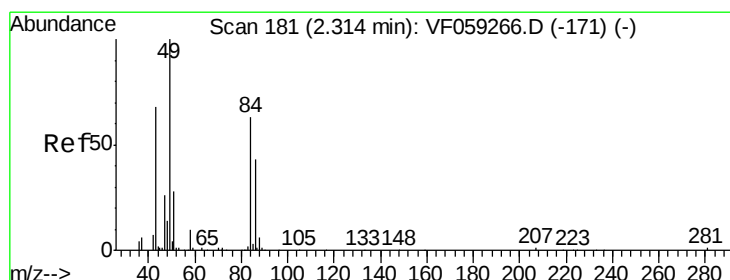
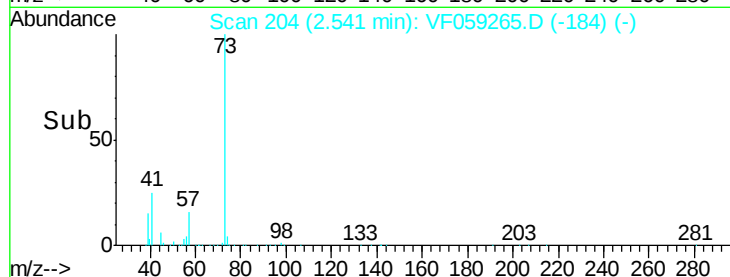
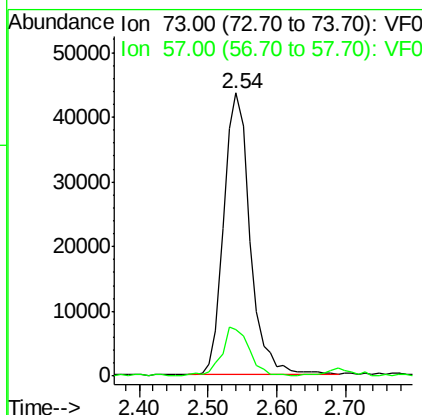
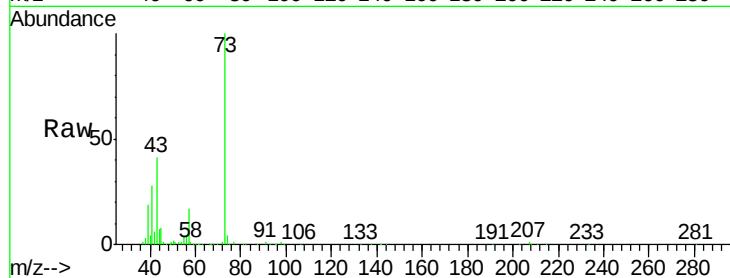
#19
Methvl tert-butvl Ether
Concen: 22.92 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 115146
Ion Ratio Lower Upper
73 100
57 16.5 13.0 19.4

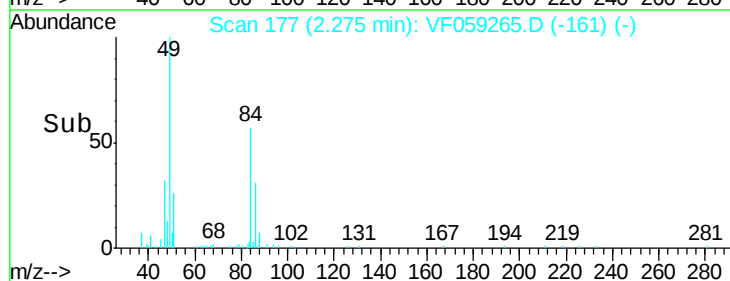
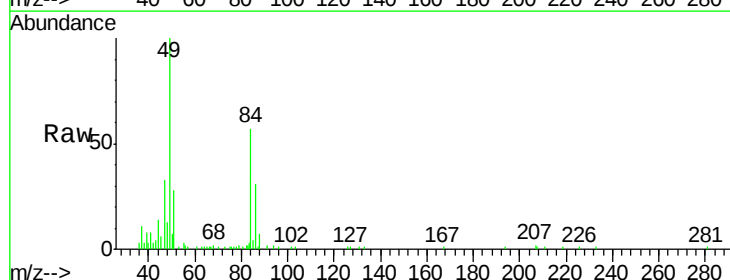
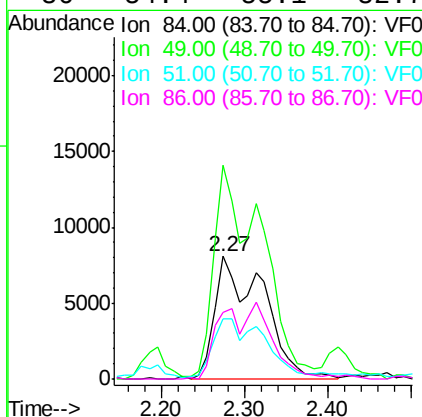
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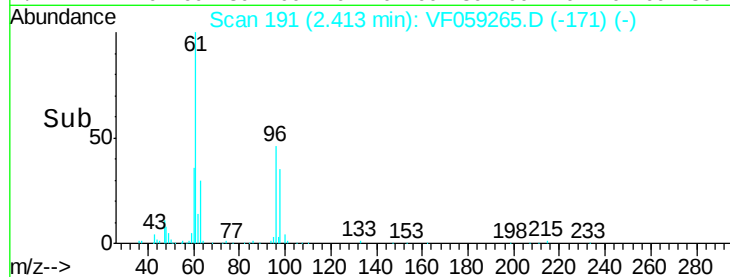
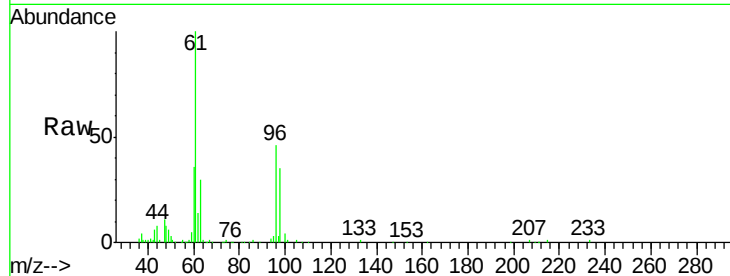
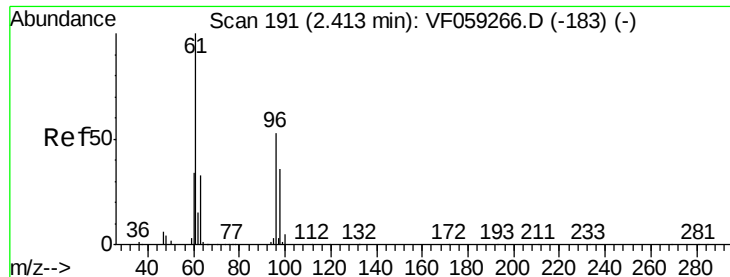
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#20
Methylene Chloride
Concen: 19.54 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.04 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 84 Resp: 32577
Ion Ratio Lower Upper
84 100
49 174.2 130.0 195.0
51 49.1 36.6 55.0
86 54.4 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059265.D

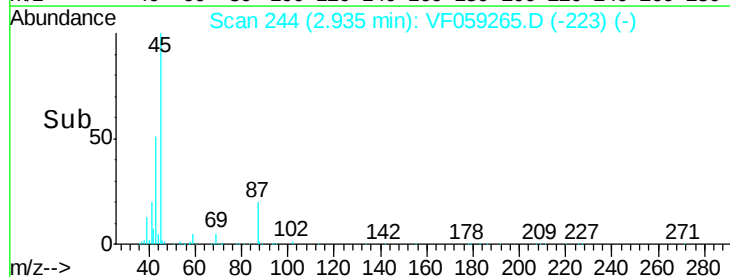
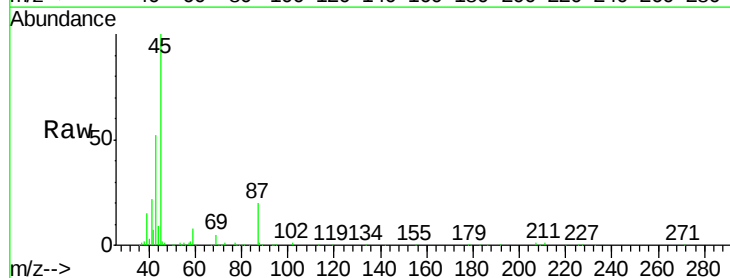
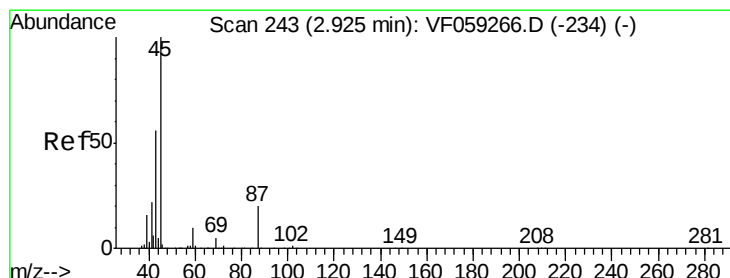
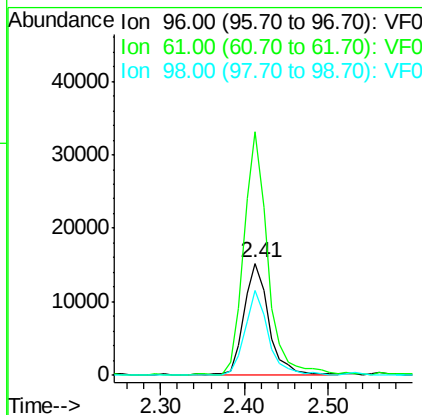
Acq: 21 Jun 2018 16:45

Tot Ion:	96	Resp:	31742
Ion	Ratio	Lower	Upper
96	100		
61	216.6	151.2	226.8
98	75.0	54.2	81.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

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#22

Diisopropyl ether

Concen: 20.96 ug/l

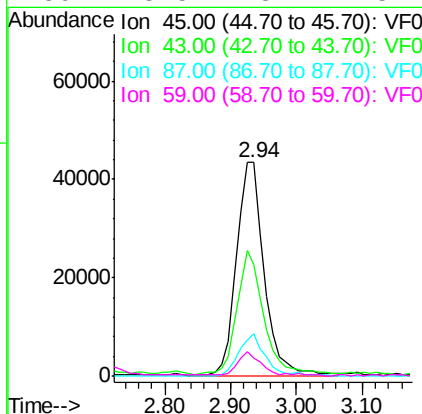
RT: 2.94 min Scan# 244

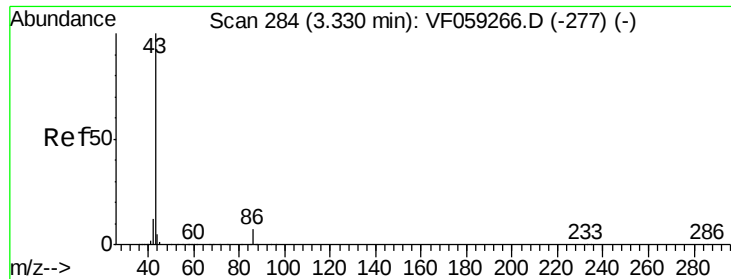
Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	45	Resp:	129475
Ion	Ratio	Lower	Upper
45	100		
43	52.4	45.8	68.6
87	19.9	15.7	23.5
59	8.5	8.7	13.1#





#23

Vinyl Acetate

Concen: 110.79 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 446306

Ion Ratio Lower Upper

43 100

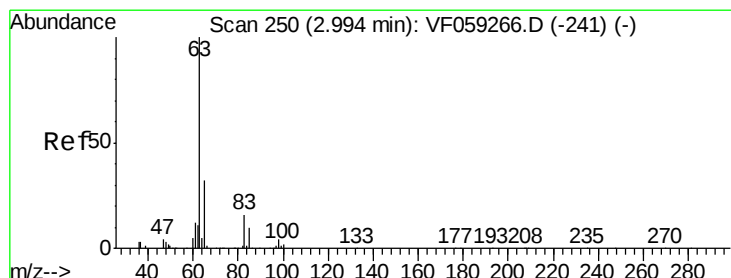
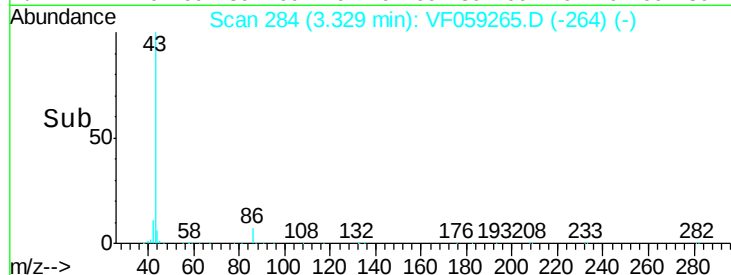
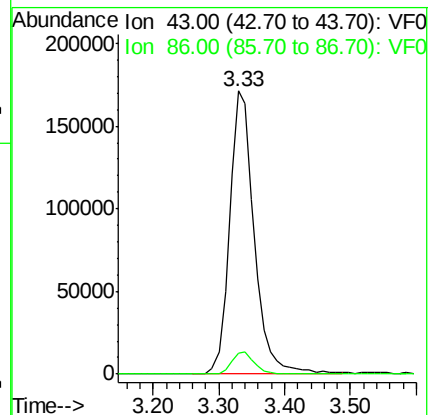
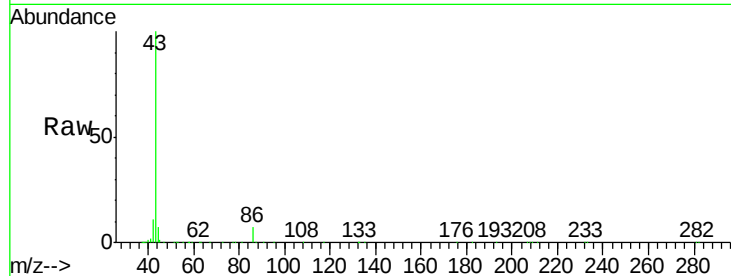
86 7.4 5.4 8.2

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#24

1,1-Dichloroethane

Concen: 22.62 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

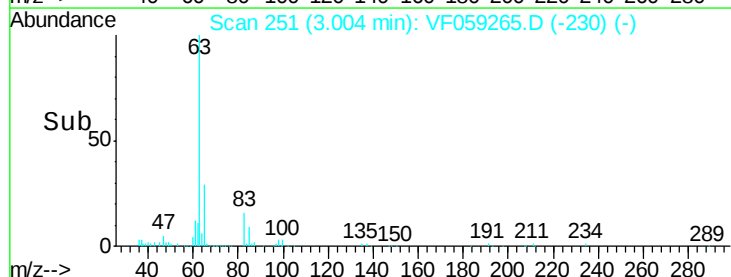
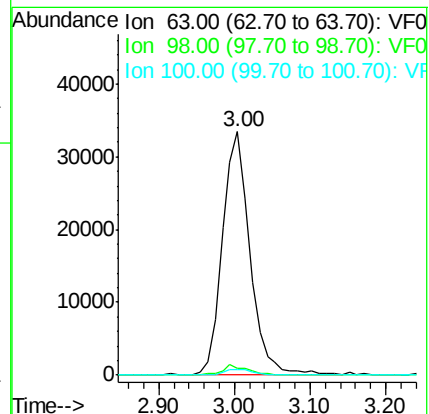
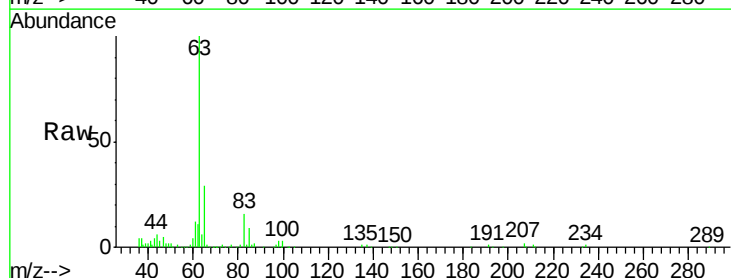
Tgt Ion: 63 Resp: 85134

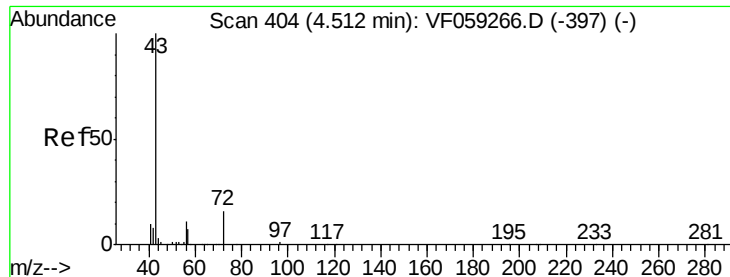
Ion Ratio Lower Upper

63 100

98 3.0 2.0 5.8

100 2.5 1.1 3.1





#25

2-Butanone

Concen: 100.99 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tot Ion: 43 Resp: 109542

Ion Ratio Lower Upper

43 100

72 18.9 15.2 22.8

Instrument :

MSVOA_F

ClientSampleId :

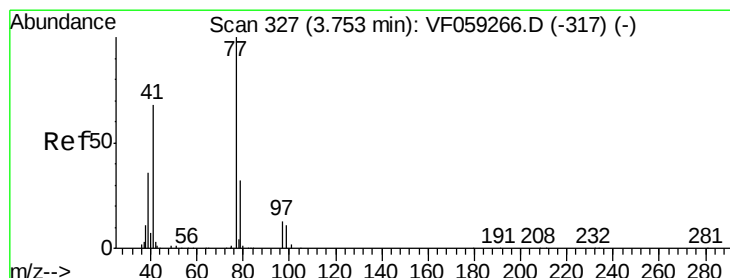
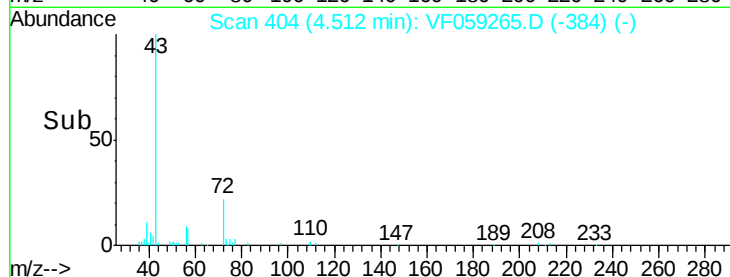
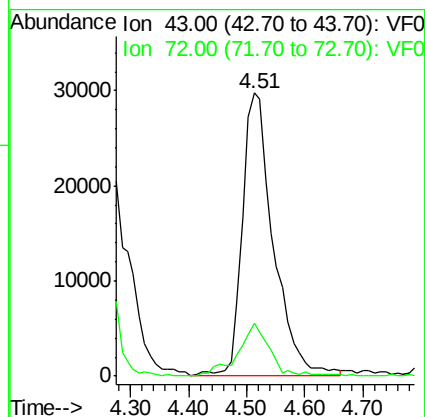
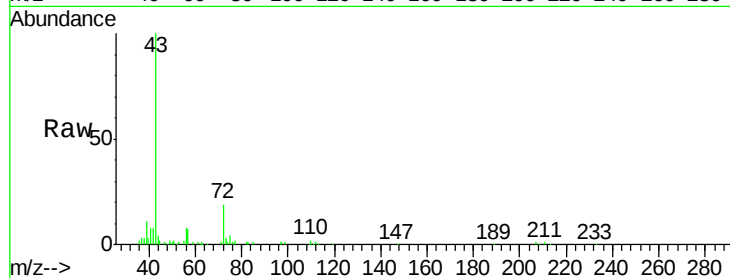
VSTDIC020

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#26

2,2-Dichloropropane

Concen: 22.24 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059265.D

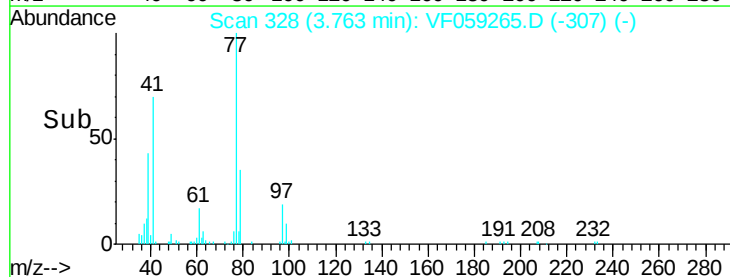
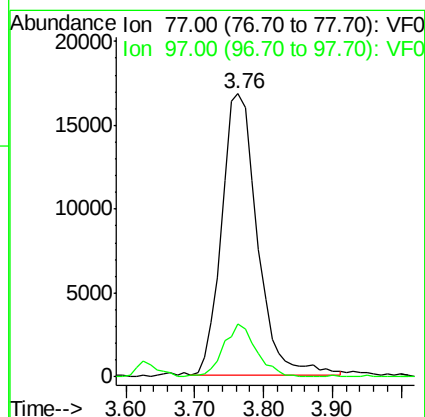
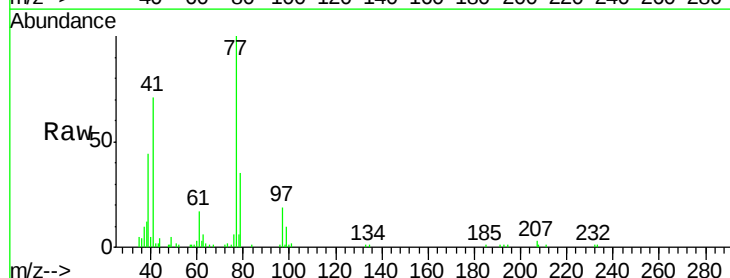
Acq: 21 Jun 2018 16:45

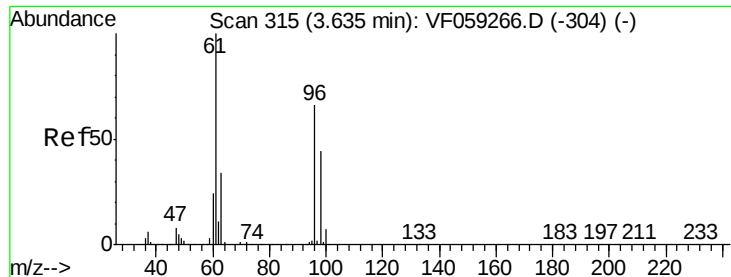
Tgt Ion: 77 Resp: 60425

Ion Ratio Lower Upper

77 100

97 18.9 7.6 22.8





#27

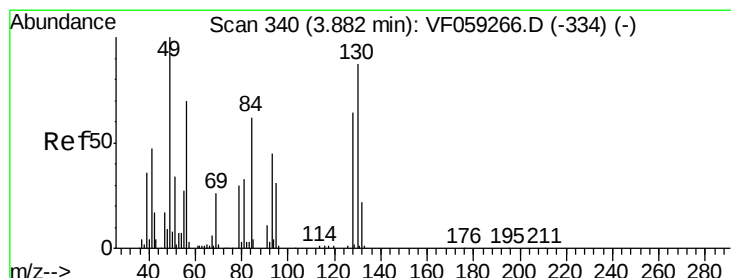
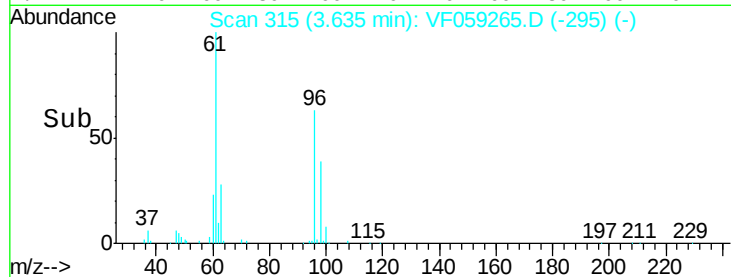
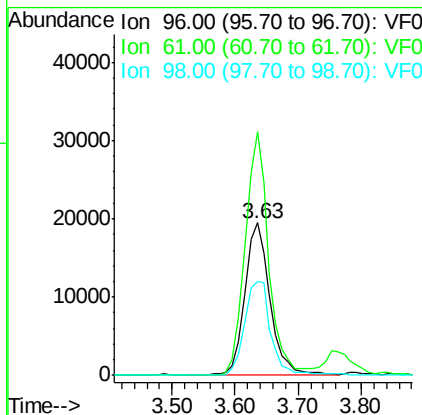
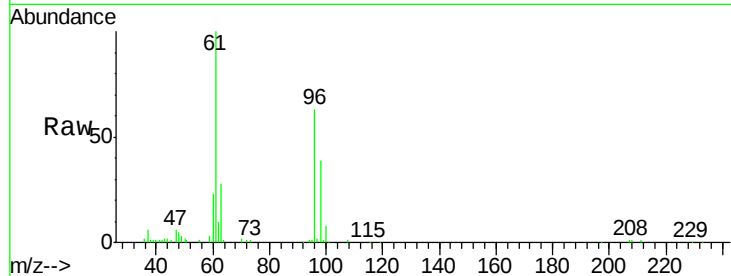
cis-1,2-Dichloroethene
Concen: 20.41 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	305.0
98	61.6	0.0	134.0

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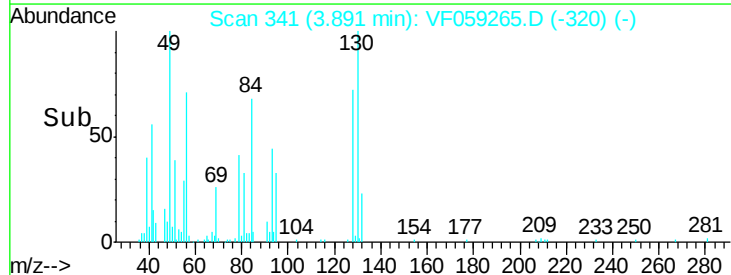
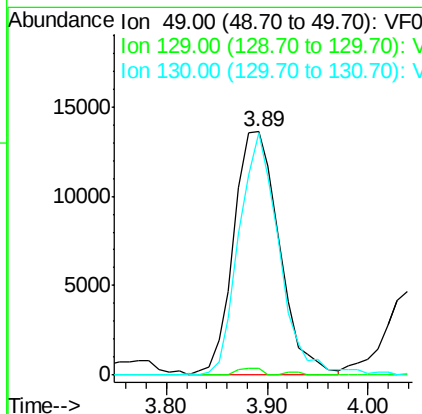
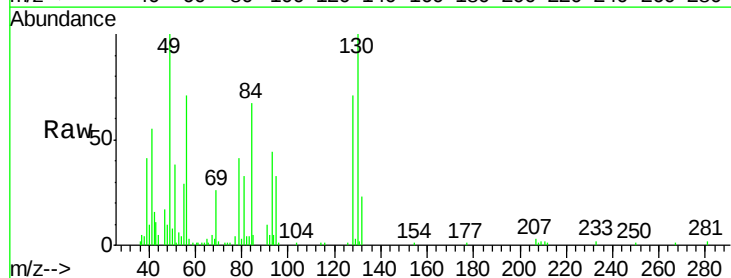
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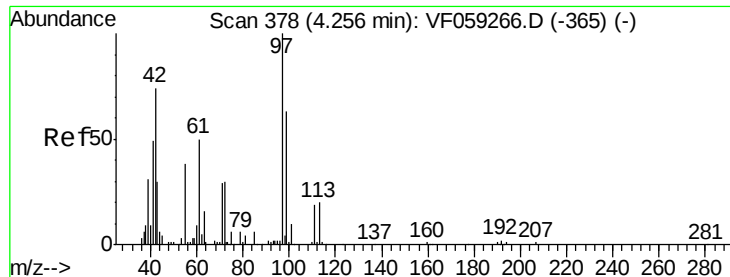


#28

Bromochloromethane
Concen: 25.76 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	99.6	69.4	104.2





#29

Tetrahydrofuran

Concen: 110.25 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

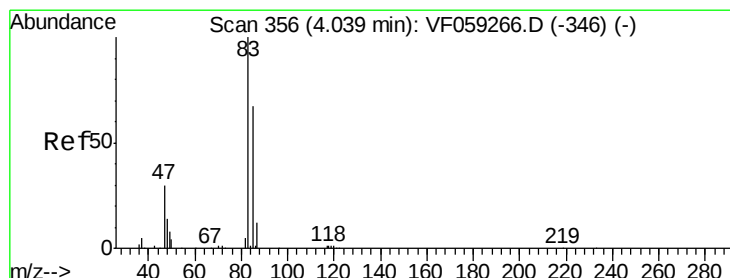
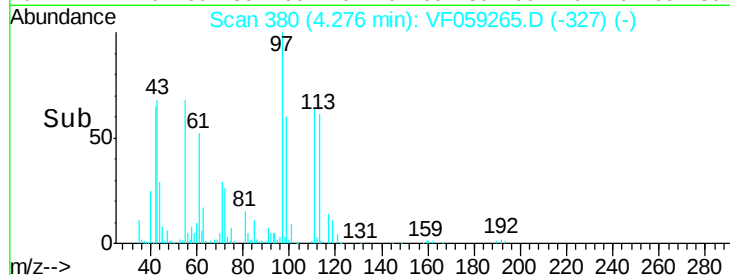
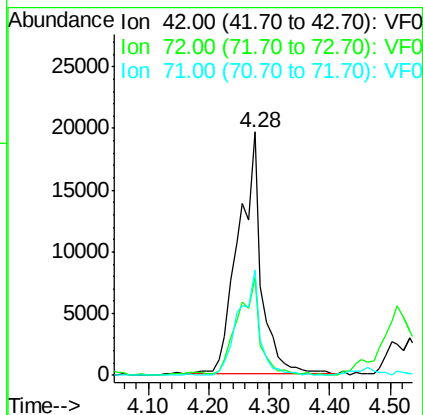
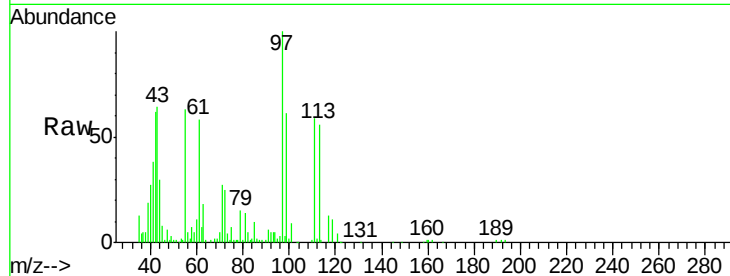
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	52176
Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.2	46.8
71	39.6	30.2	45.2

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#30

Chloroform

Concen: 22.46 ug/l

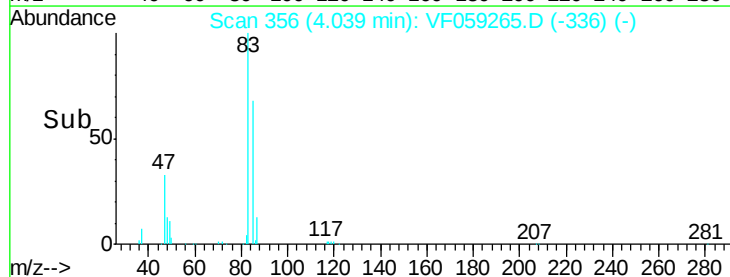
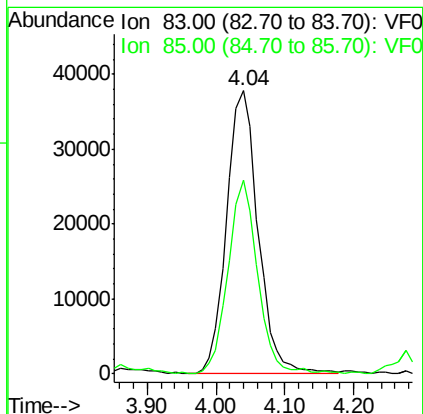
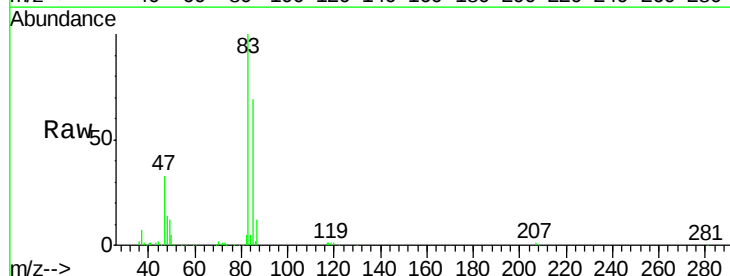
RT: 4.04 min Scan# 356

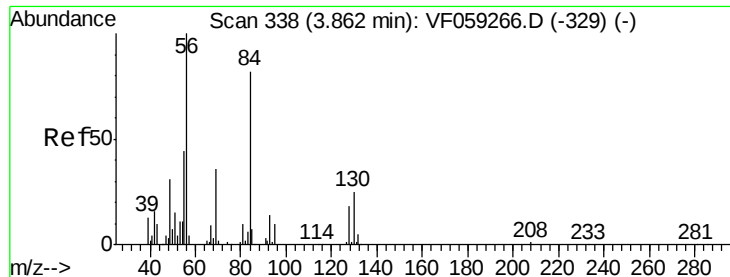
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	83	Resp:	120514
Ion	Ratio	Lower	Upper
83	100		
85	68.5	54.2	81.2





#31

Cyclohexane

Concen: 17.96 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

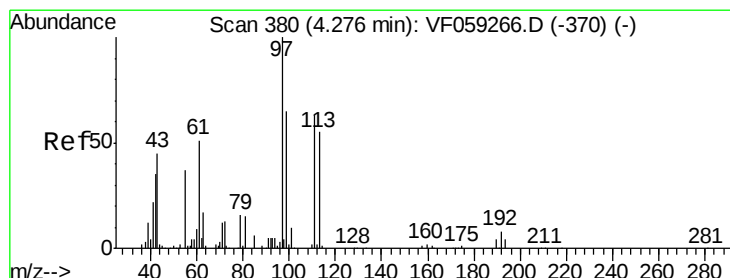
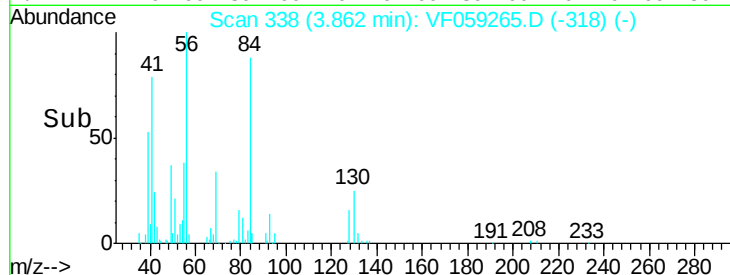
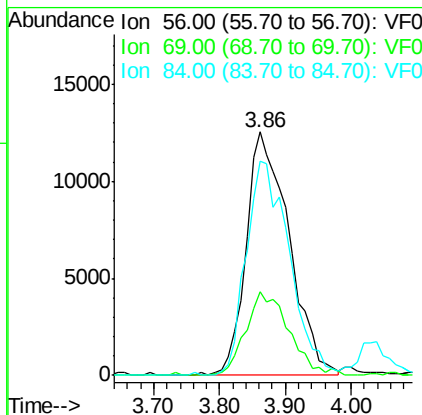
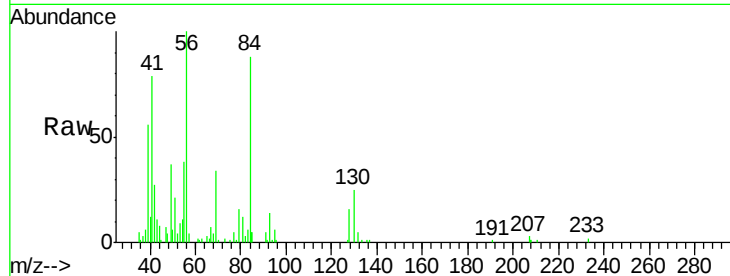
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	56993
Ion Ratio	Lower	Upper	
56	100		
69	34.3	28.6	43.0
84	87.8	65.8	98.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.72 ug/l

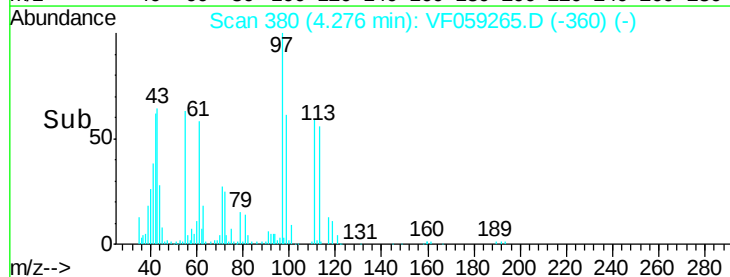
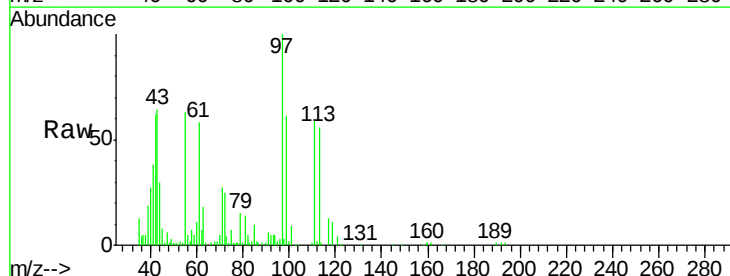
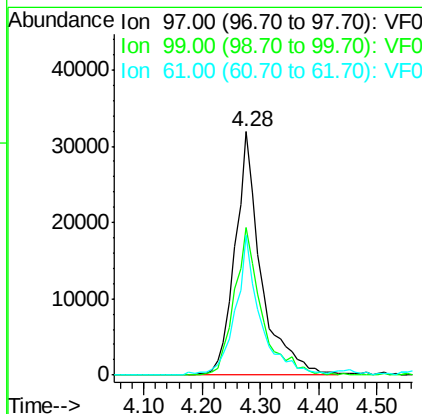
RT: 4.28 min Scan# 380

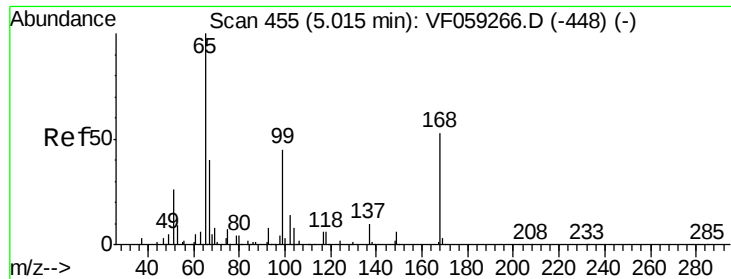
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	97	Resp:	99633
Ion Ratio	Lower	Upper	
97	100		
99	60.7	52.4	78.6
61	57.6	40.9	61.3





#33

1,2-Dichloroethane-d4

Concen: 24.37 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tot Ion: 65 Resp: 72539

Ion Ratio Lower Upper

65 100

67 45.7 0.0 95.8

Instrument :

MSVOA_F

ClientSampleId :

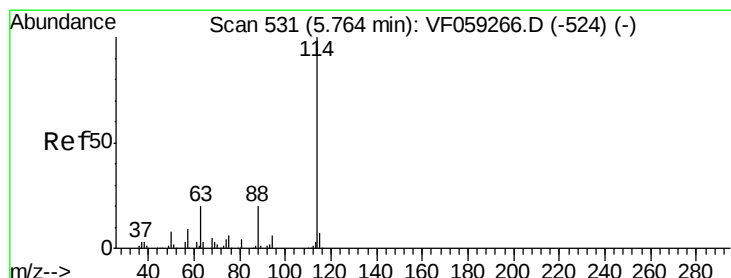
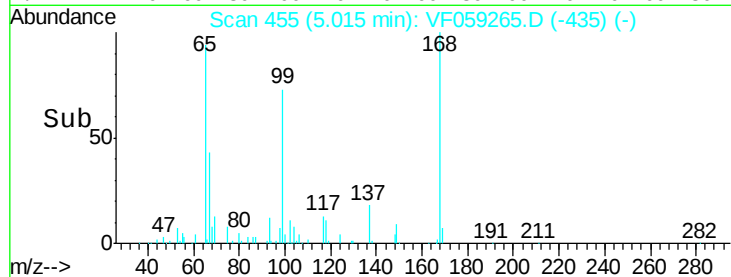
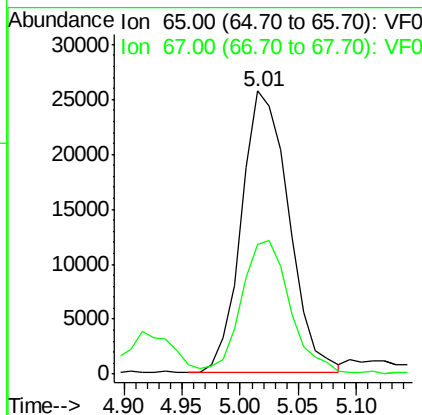
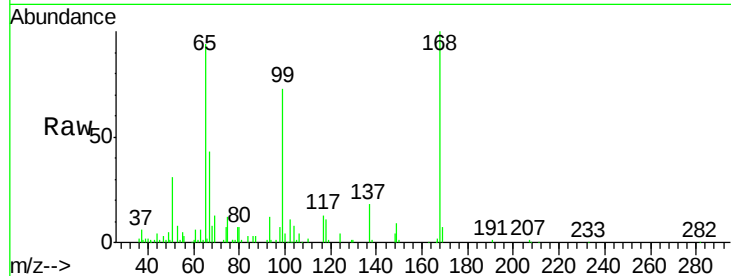
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

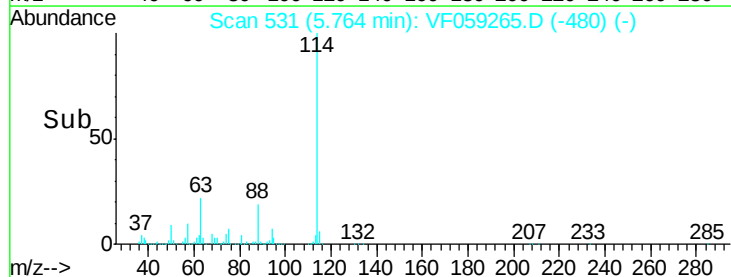
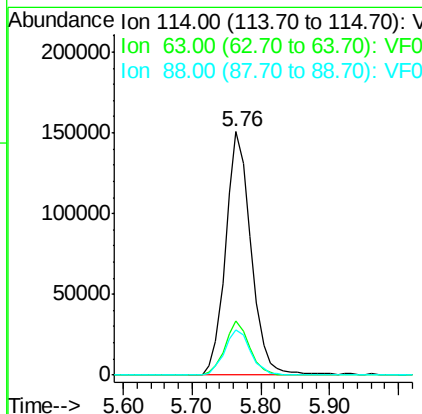
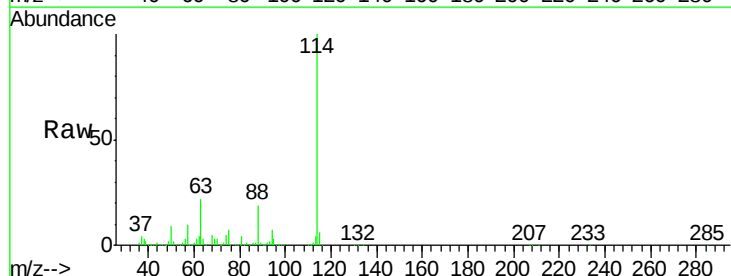
Tgt Ion: 114 Resp: 385680

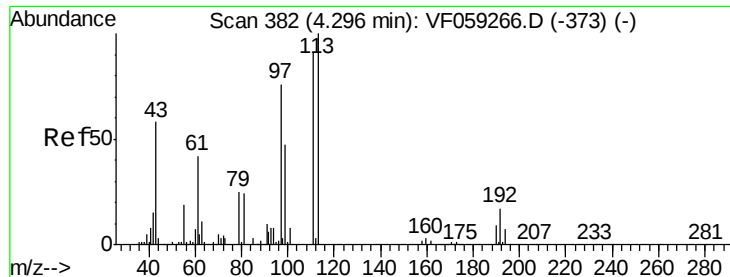
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

88 18.8 0.0 39.6





#35

Dibromofluoromethane

Concen: 25.04 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

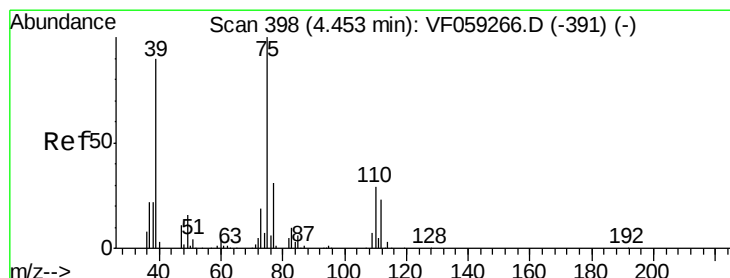
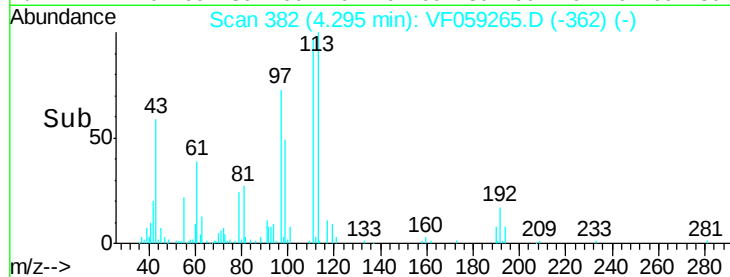
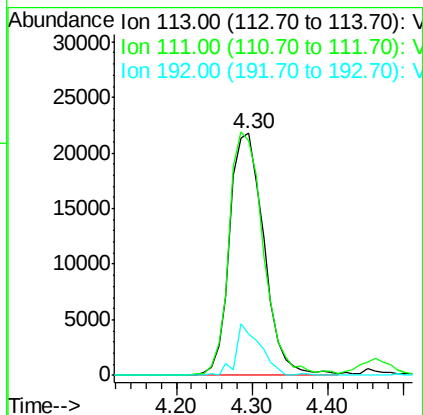
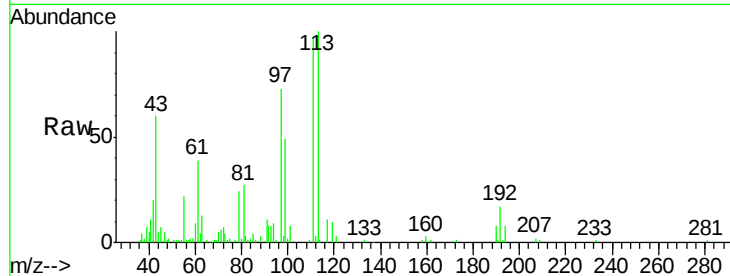
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	68405
Ion Ratio	Lower	Upper	
113	100		
111	97.1	73.1	109.7
192	17.3	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 19.73 ug/l

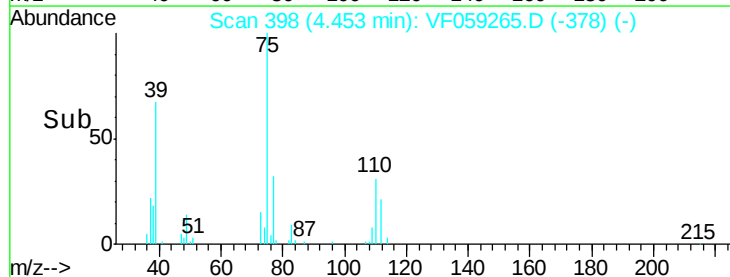
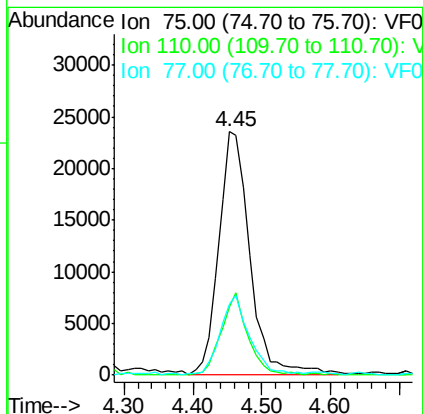
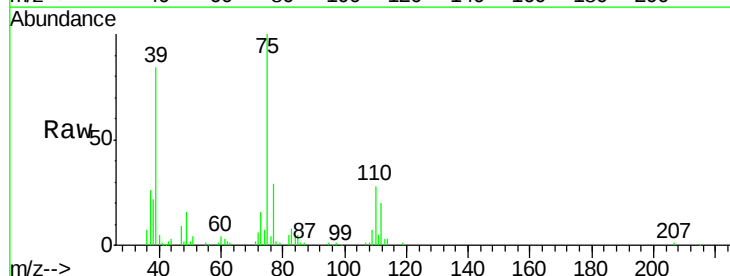
RT: 4.45 min Scan# 398

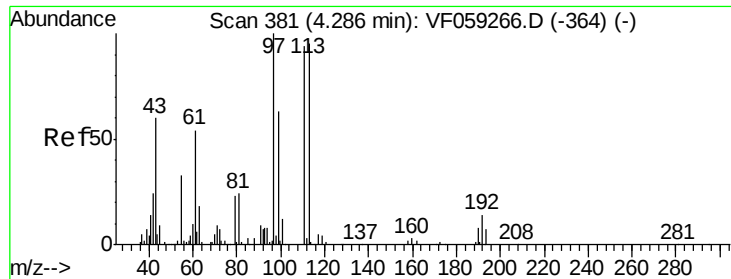
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	75	Resp:	73994
Ion Ratio	Lower	Upper	
75	100		
110	27.9	14.5	43.5
77	29.3	25.0	37.6





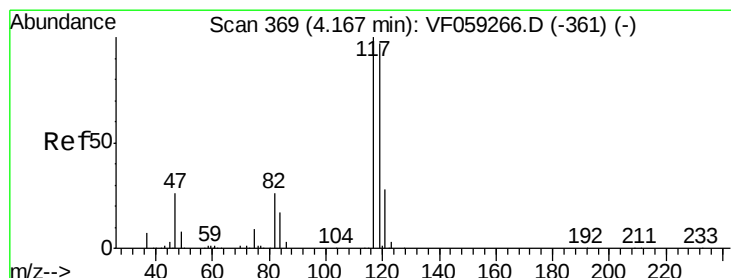
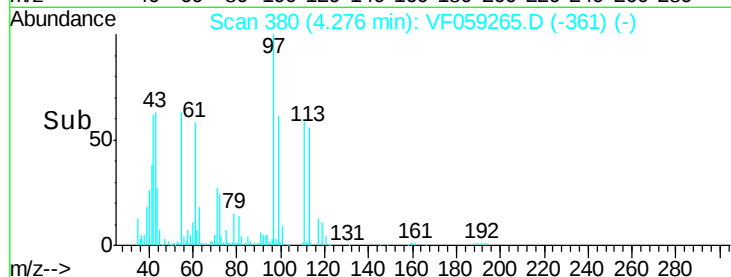
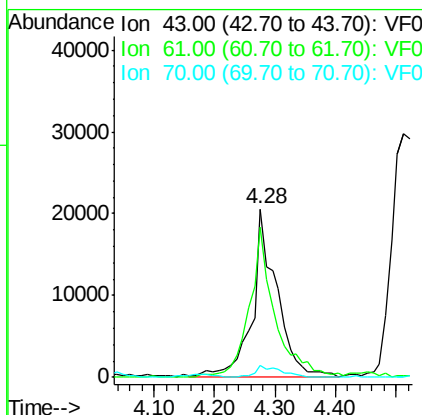
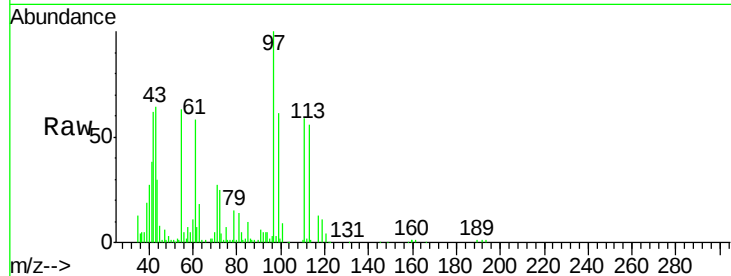
#37
Ethyl Acetate
Concen: 24.29 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	56872					
Ion	43	61	70	100		
Ratio		89.4	7.1			
Lower		71.6	6.9			
Upper		107.4	10.3			

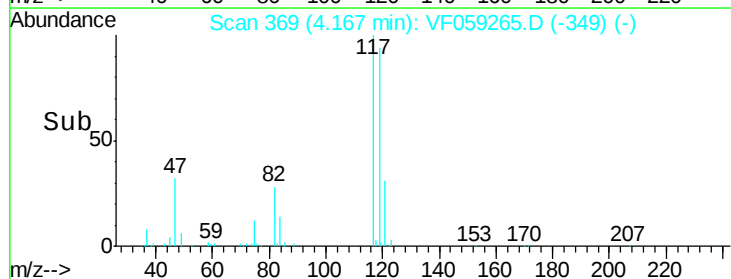
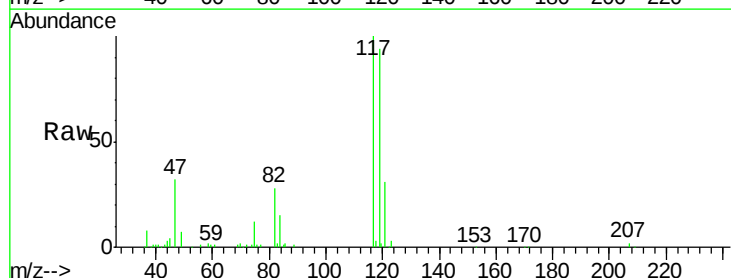
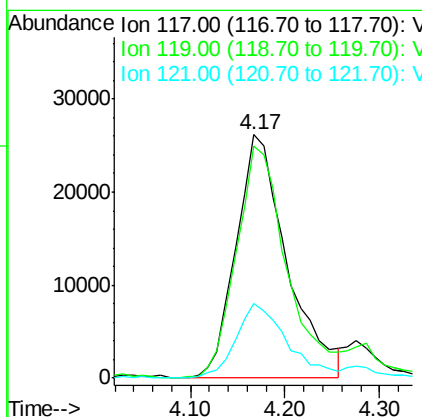
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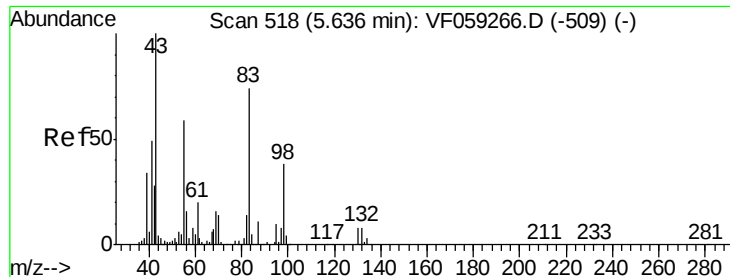
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#38
Carbon Tetrachloride
Concen: 23.62 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	98292					
Ion	117	119	121	100		
Ratio		95.3	30.6			
Lower		77.5	22.2			
Upper		116.3	33.4			





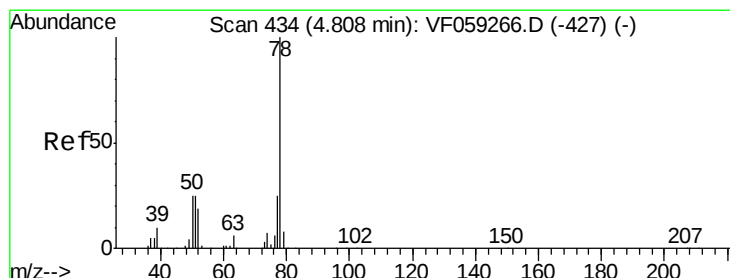
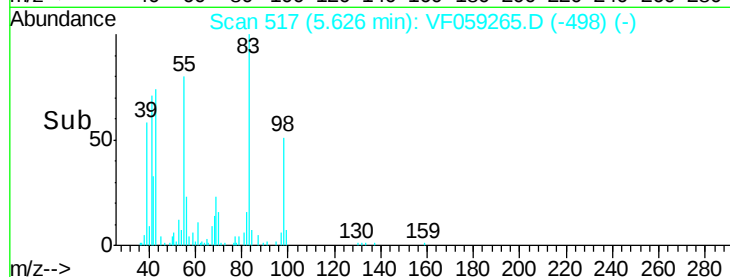
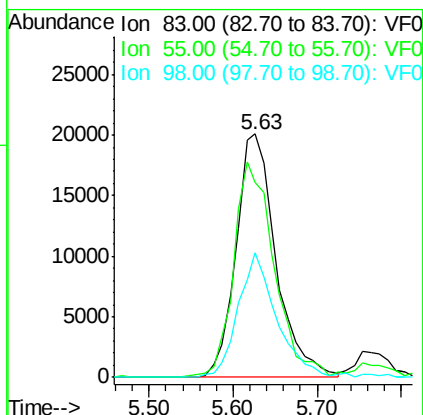
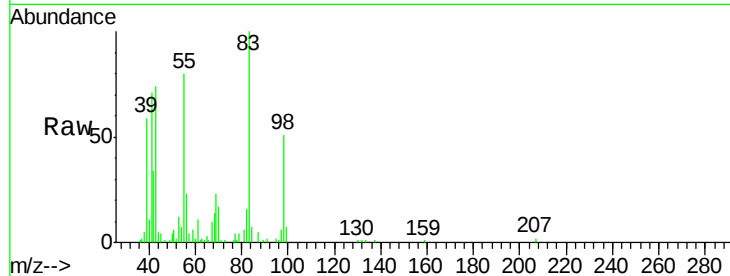
#39
Methvlcvclohexane
Concen: 17.86 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.7	95.5
98	51.0	41.6	62.4

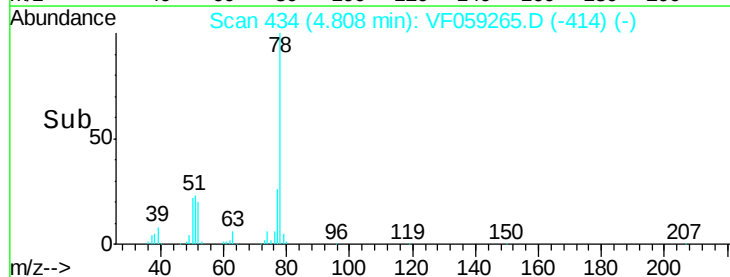
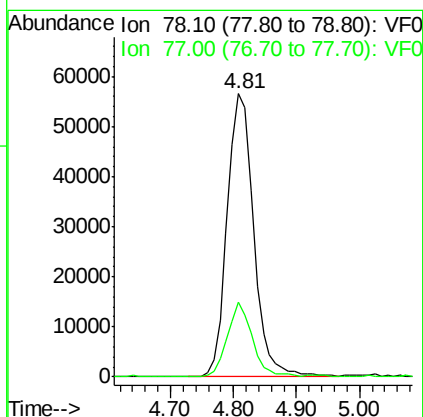
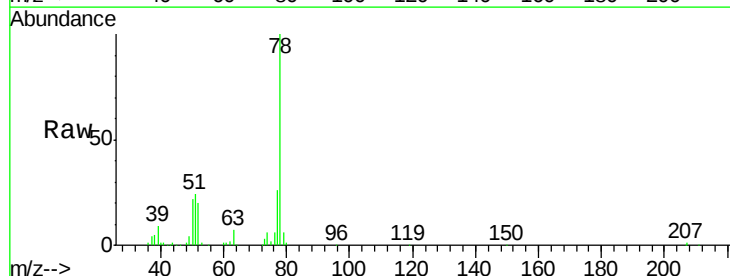
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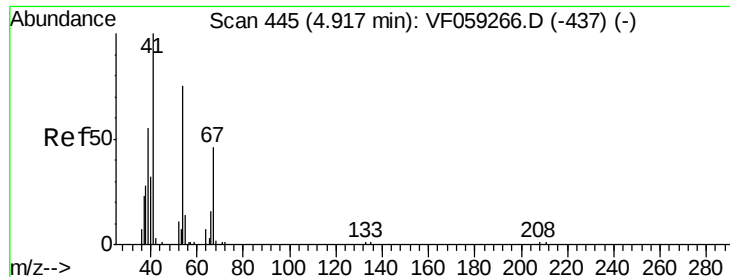
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#40
Benzene
Concen: 19.16 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	20.4	30.6





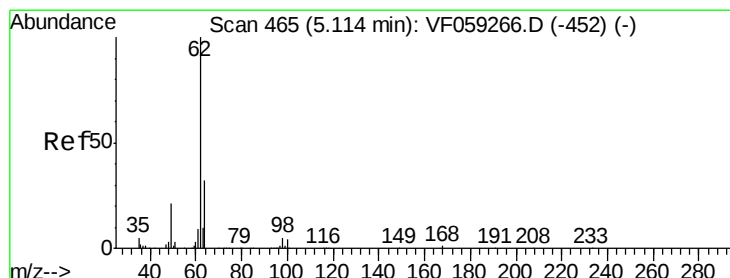
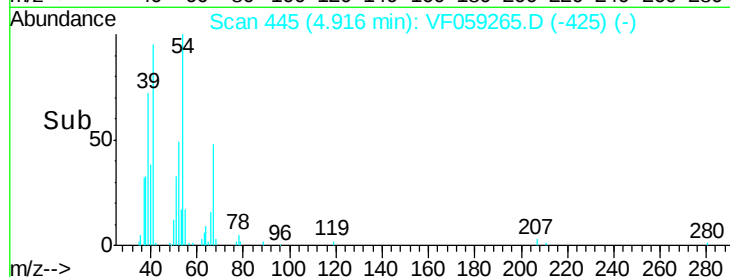
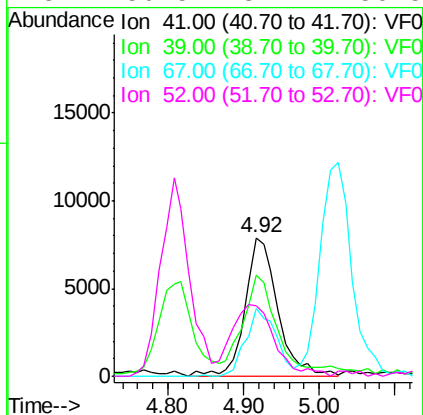
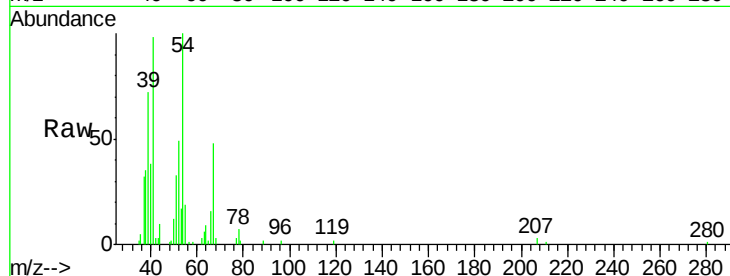
#41
Methacrylonitrile
Concen: 20.77 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	23875
Ion	Ratio	Lower	Upper
41	100		
39	73.5	57.0	85.6
67	48.9	36.8	55.2
52	50.5	37.7	56.5

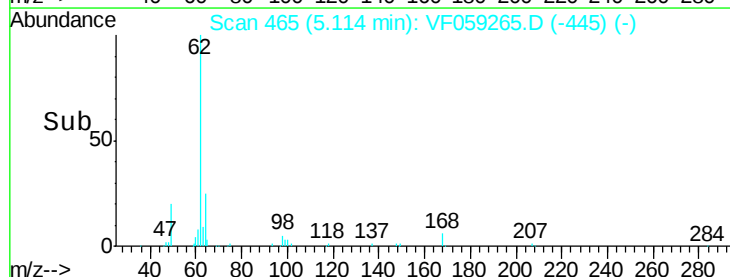
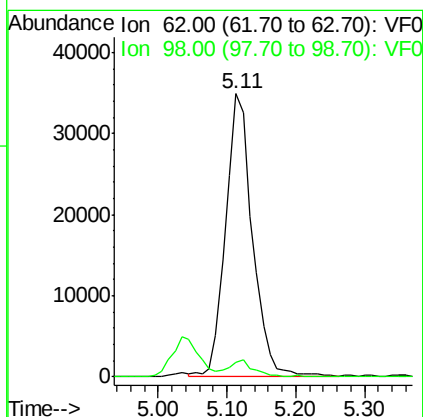
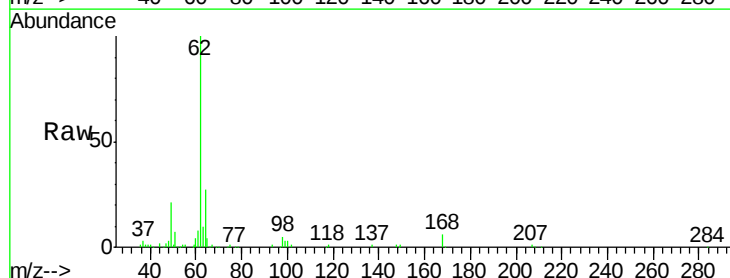
Manual Integrations
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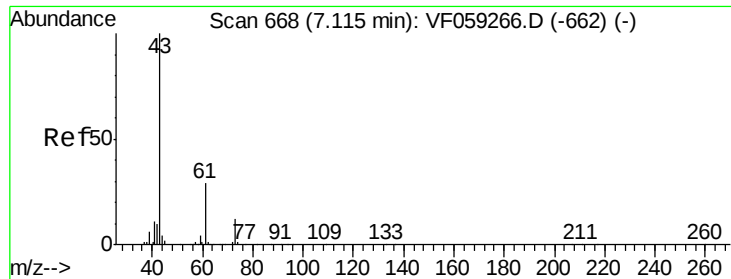
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#42
1,2-Dichloroethane
Concen: 22.79 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:	62	Resp:	92865
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.4





#43

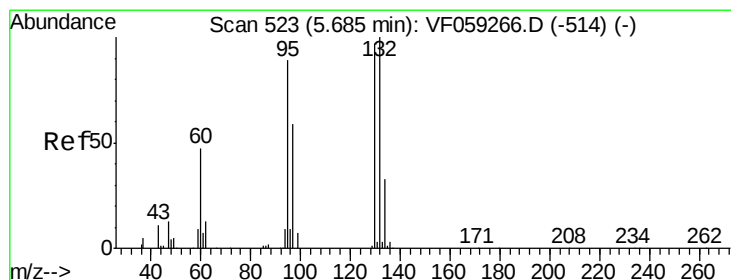
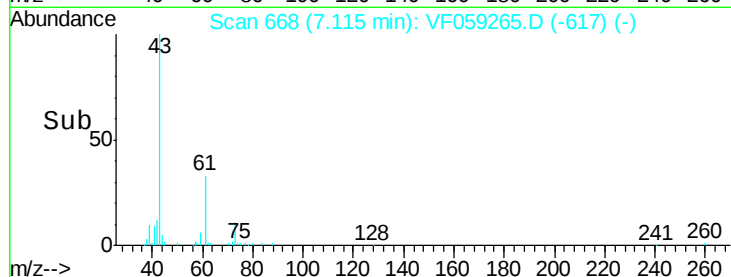
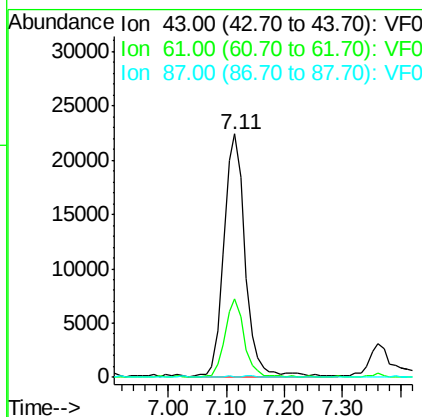
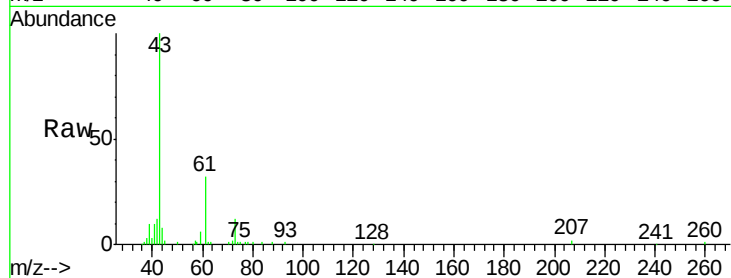
Isopropyl Acetate
 Concen: 18.44 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	22.8	34.2
87	0.0	0.3	0.5

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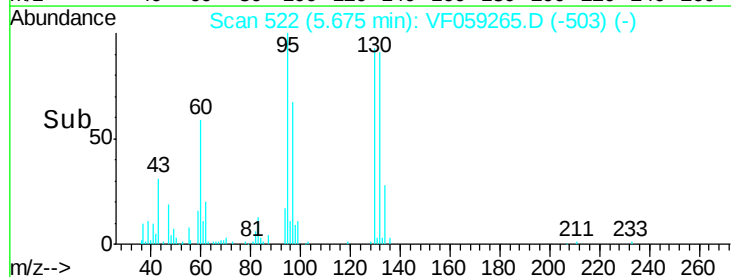
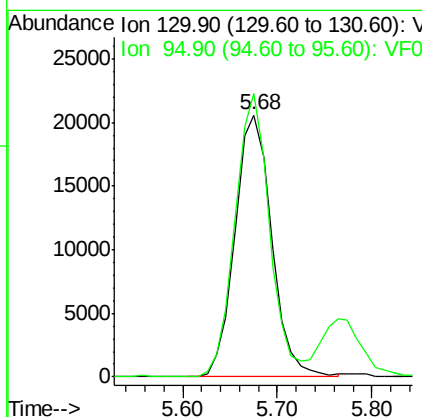
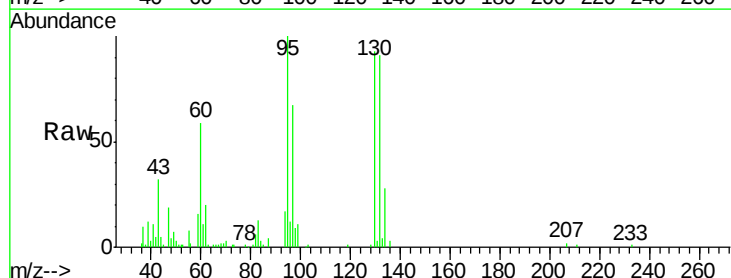
apatel
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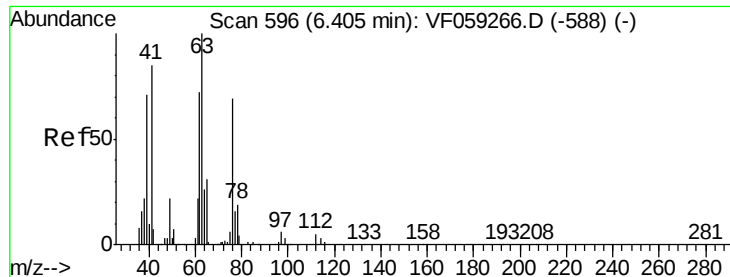


#44

Trichloroethene
 Concen: 20.10 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	183.6





#45

1,2-Dichloropropane

Concen: 18.40 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 45913

Ion Ratio Lower Upper

63 100

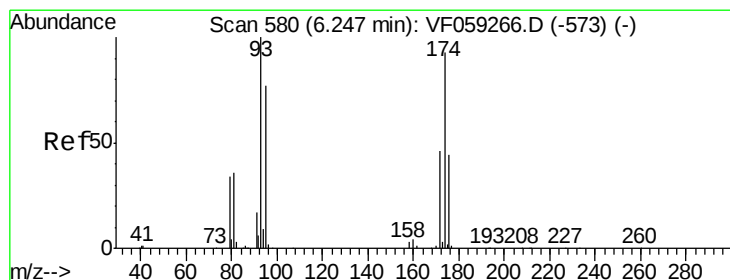
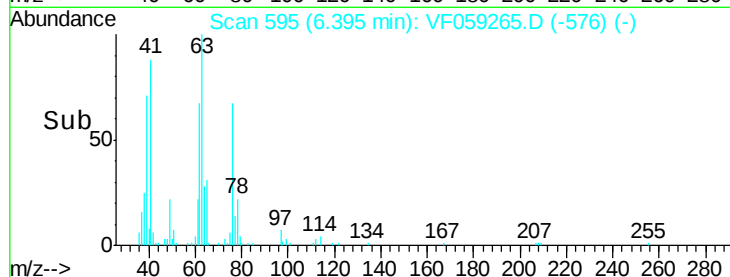
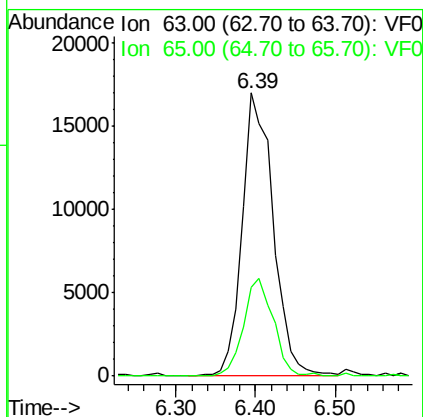
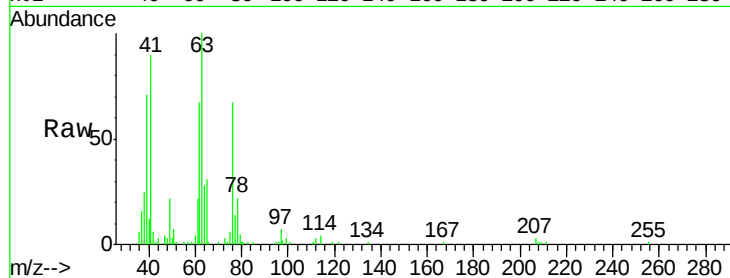
65 31.4 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 21.10 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

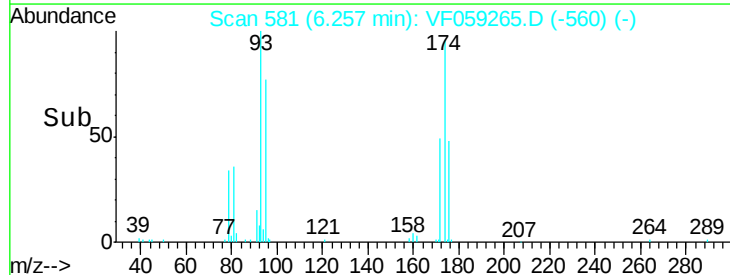
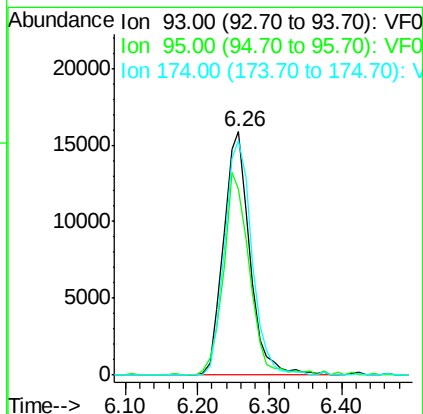
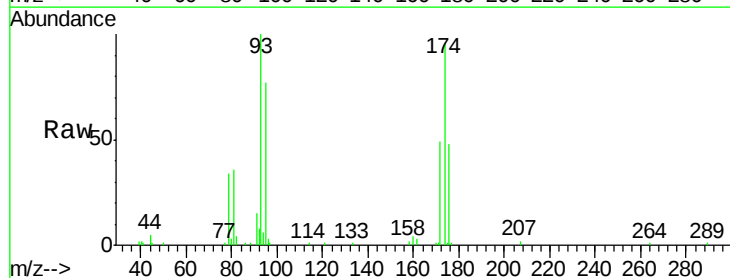
Tgt Ion: 93 Resp: 40129

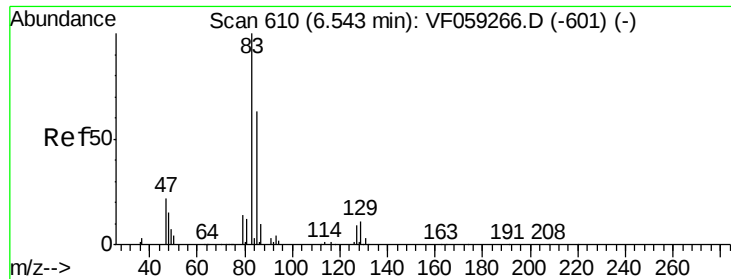
Ion Ratio Lower Upper

93 100

95 76.7 61.8 92.6

174 96.4 74.4 111.6





#47

Bromodichloromethane

Concen: 22.83 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

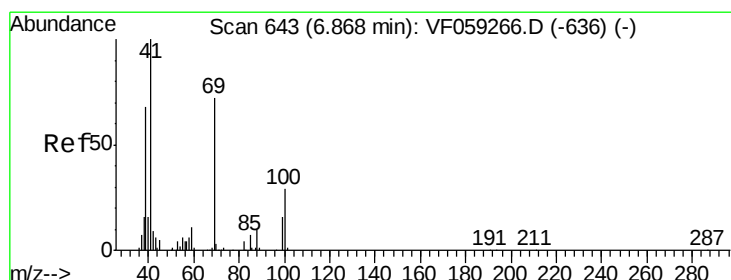
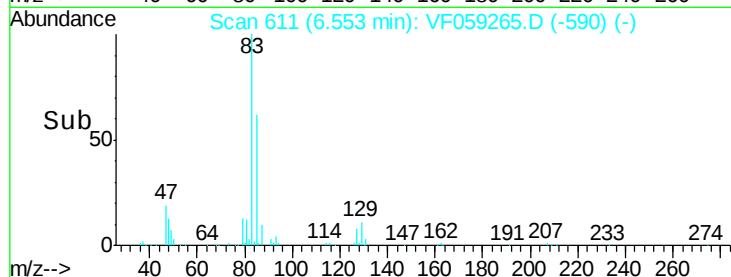
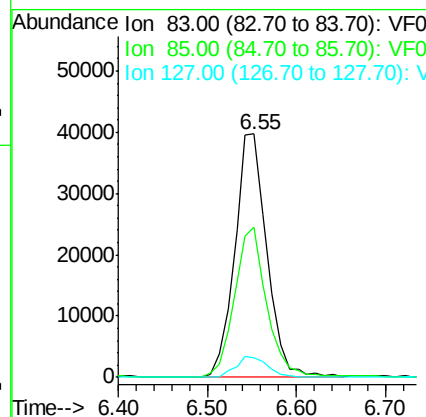
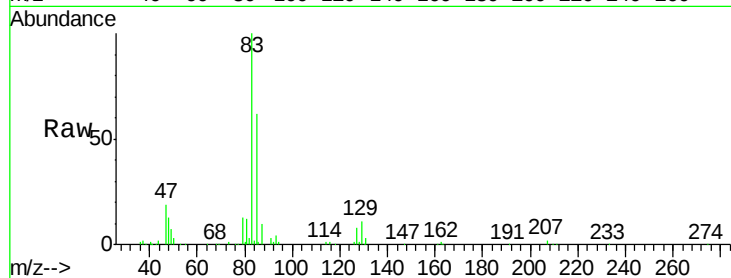
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	100234
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.3	75.5
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.63 ug/l

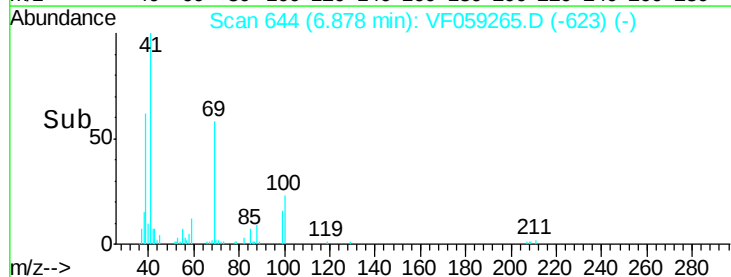
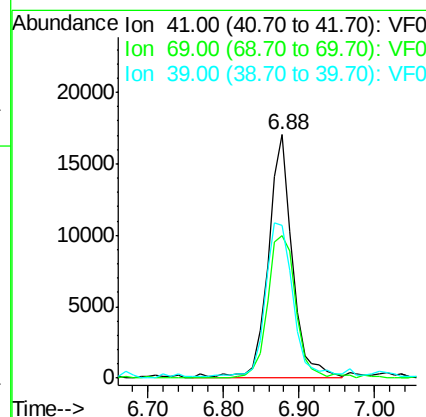
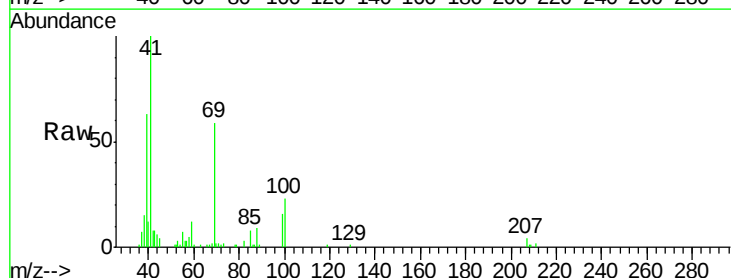
RT: 6.88 min Scan# 644

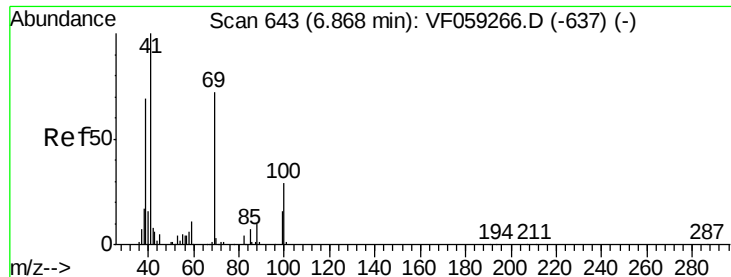
Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	41	Resp:	37812
Ion	Ratio	Lower	Upper
41	100		
69	58.5	57.4	86.2
39	63.0	54.8	82.2





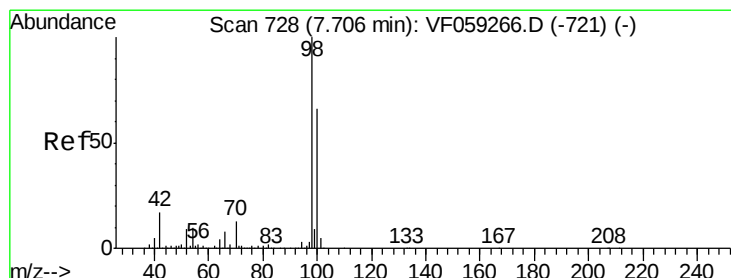
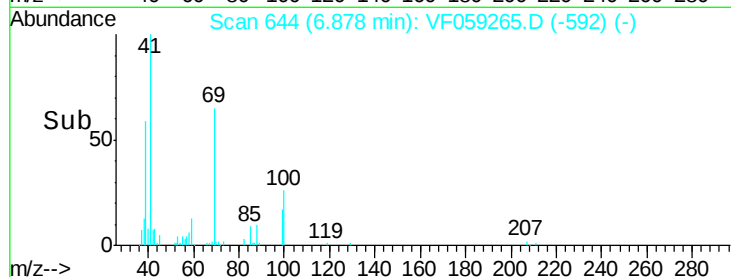
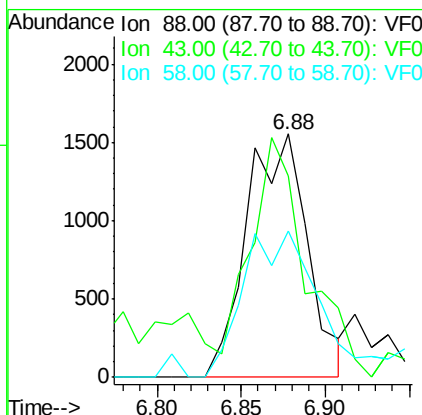
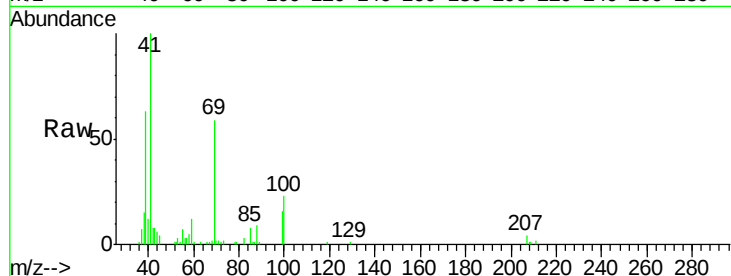
#49
1,4-Dioxane
Concen: 305.21 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	82.7	55.5	83.3
58	60.2	50.1	75.1

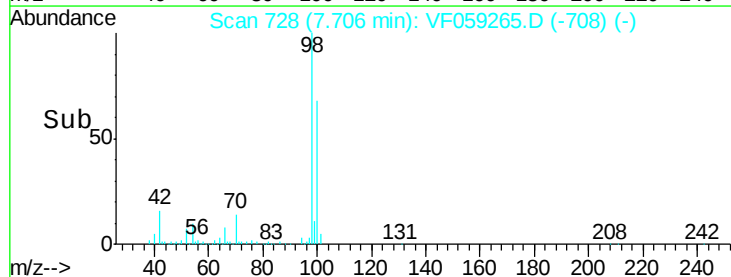
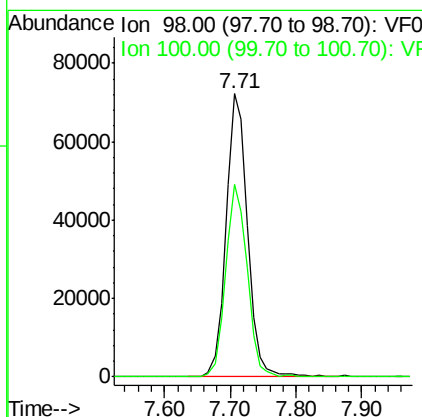
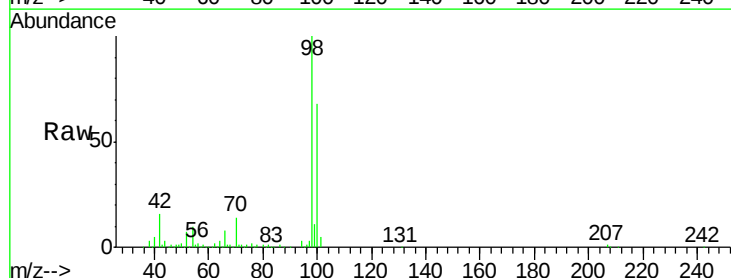
Manual Integrations
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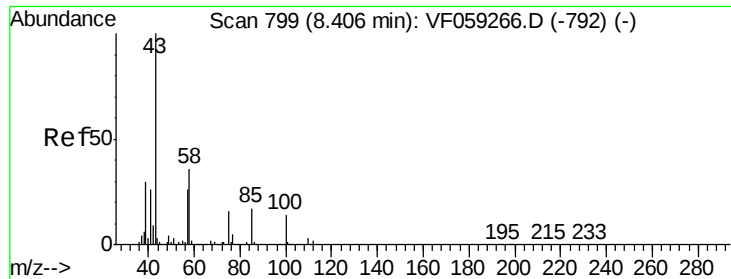
apatel
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#50
Toluene-d8
Concen: 21.04 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 99.59 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 215100

Ion Ratio Lower Upper

43 100

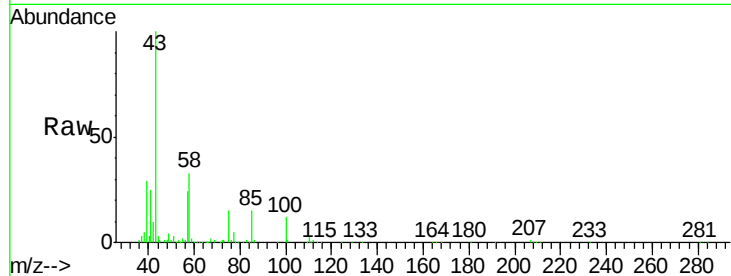
58 33.2 29.0 43.6

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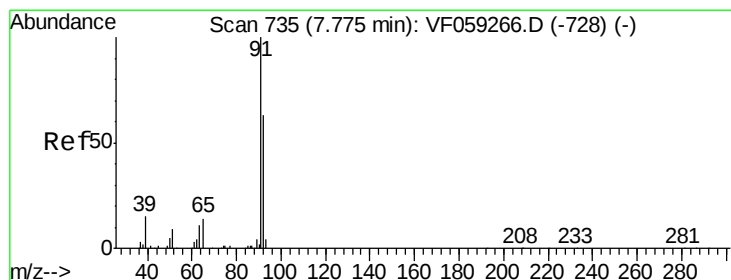
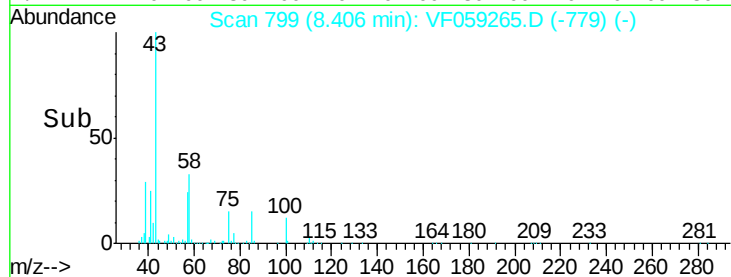
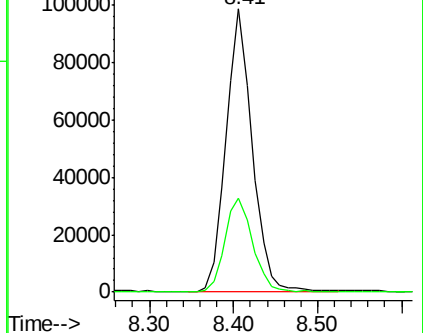
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.95 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059265.D

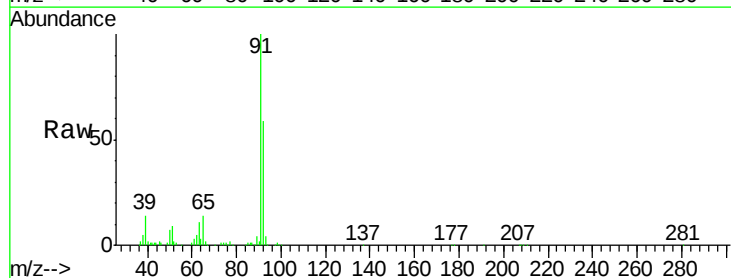
Acq: 21 Jun 2018 16:45

Tgt Ion: 92 Resp: 124956

Ion Ratio Lower Upper

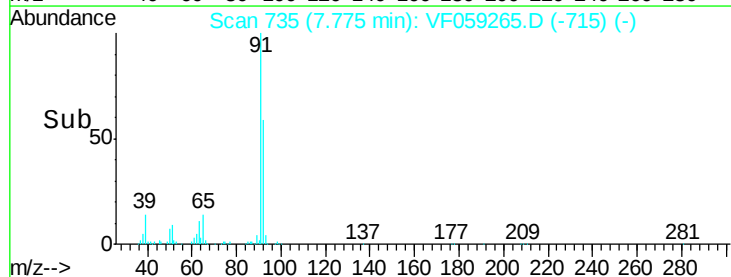
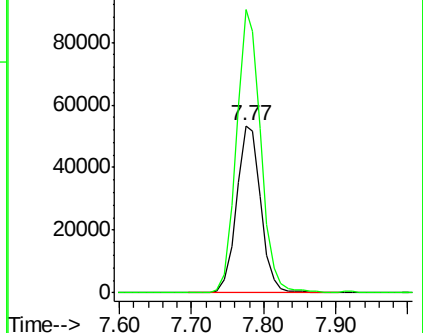
92 100

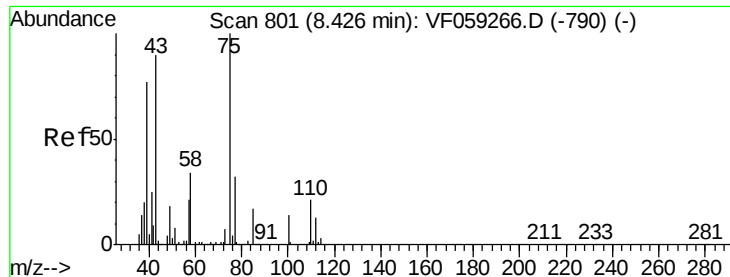
91 169.3 127.8 191.6



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: 21.01 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 90018

Ion Ratio Lower Upper

75 100

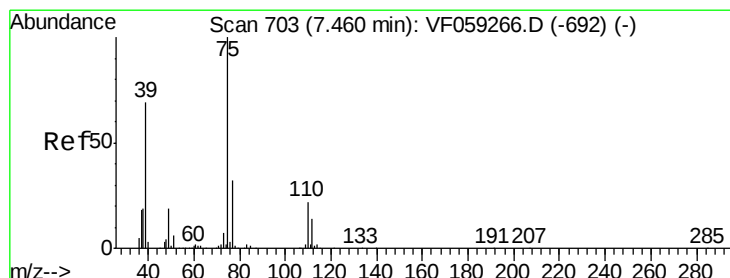
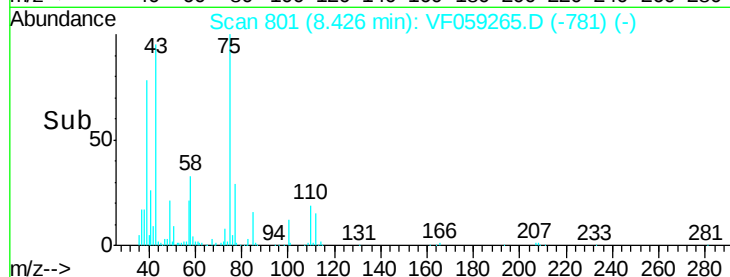
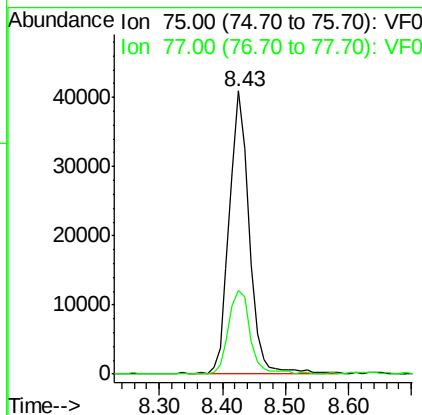
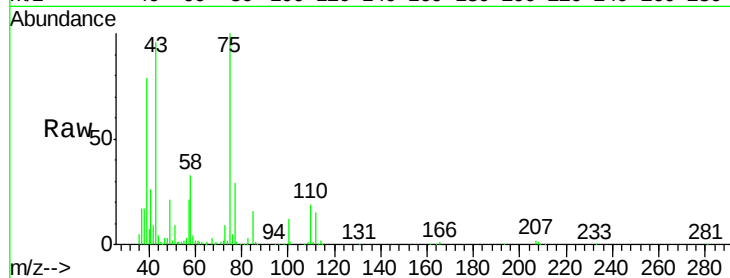
77 29.4 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

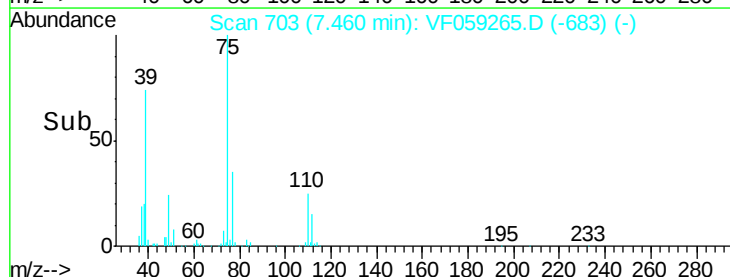
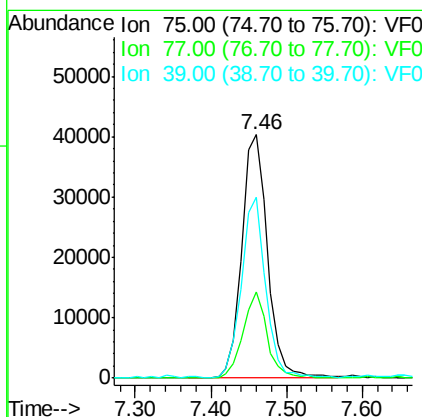
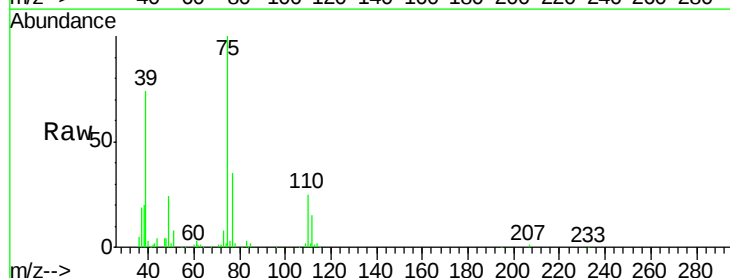
Tgt Ion: 75 Resp: 95432

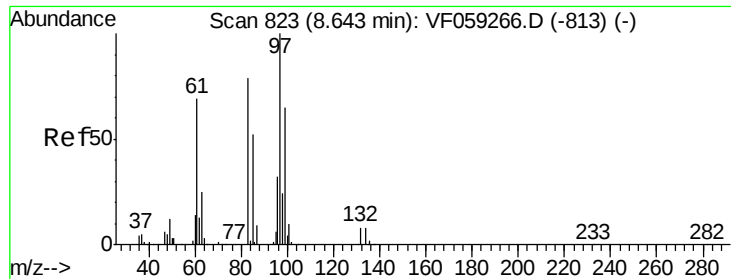
Ion Ratio Lower Upper

75 100

77 35.2 26.0 39.0

39 74.2 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 20.57 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

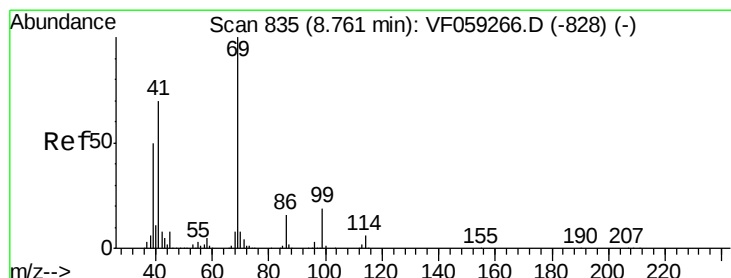
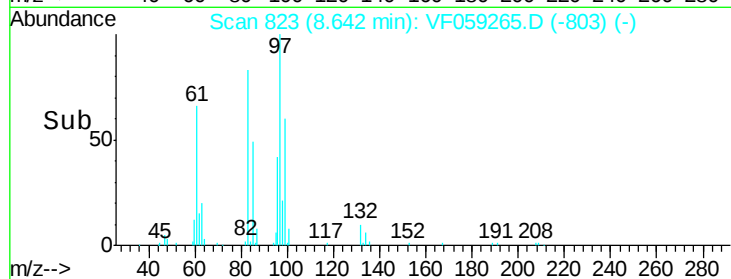
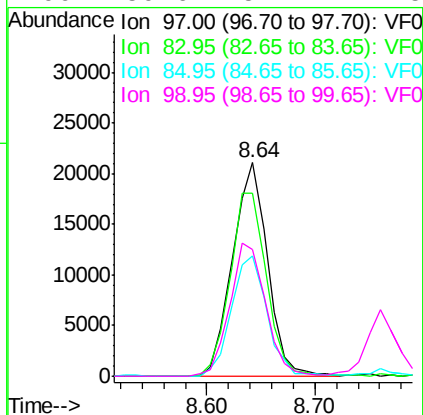
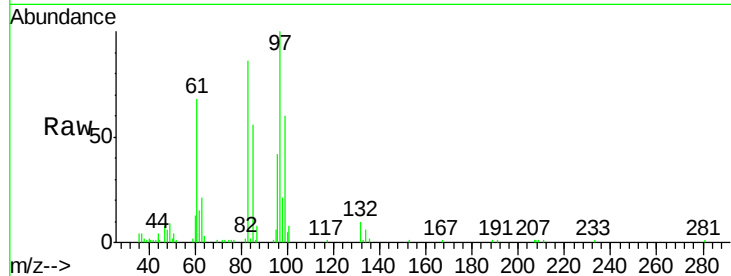
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	47463
Ion	Ratio	Lower	Upper
97	100		
83	85.9	63.2	94.8
85	56.4	41.8	62.6
99	59.6	51.7	77.5

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#56

Ethyl methacrylate

Concen: 18.47 ug/l

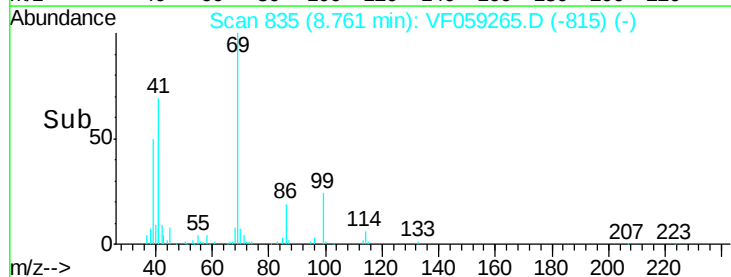
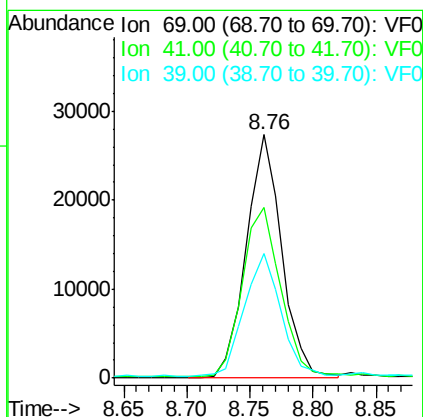
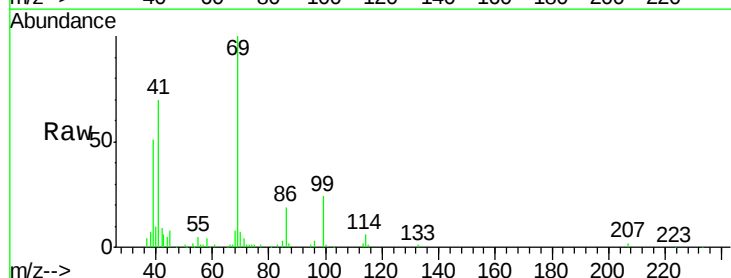
RT: 8.76 min Scan# 835

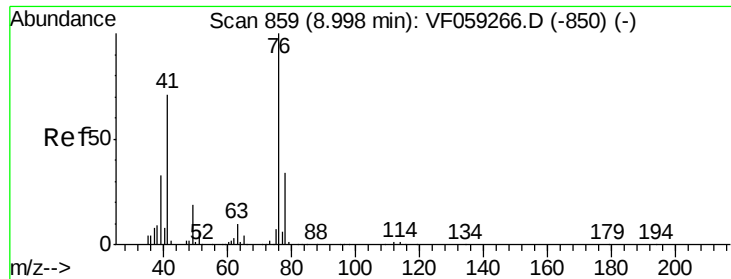
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	69	Resp:	53696
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.6	85.0
39	51.3	40.5	60.7





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 80032

Ion Ratio Lower Upper

76 100

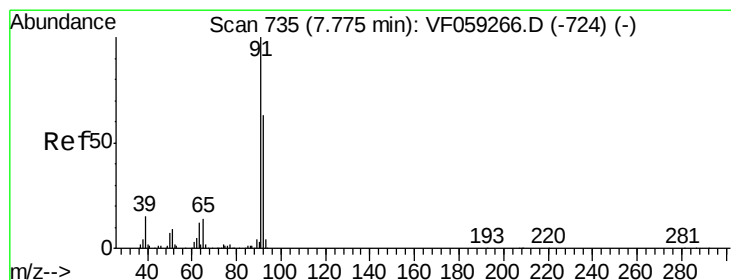
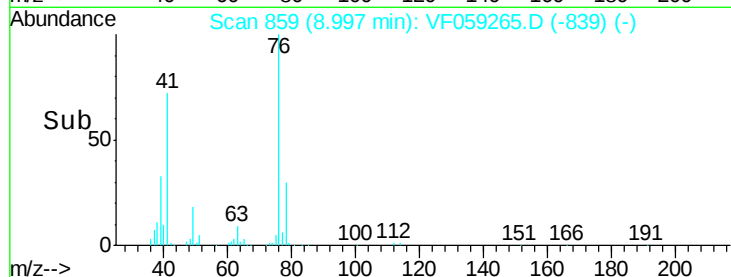
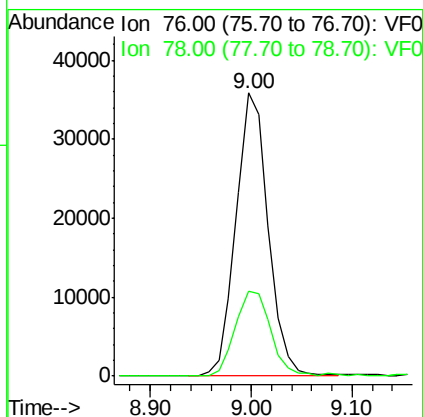
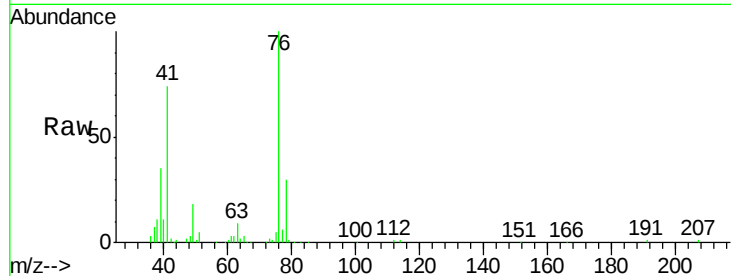
78 30.1 27.5 41.3

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#58

2-Chloroethyl Vinyl ether

Concen: 109.43 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059265.D

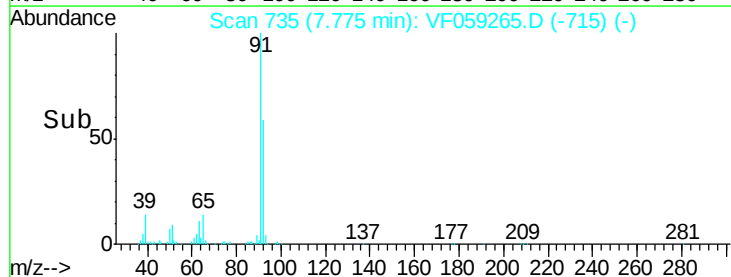
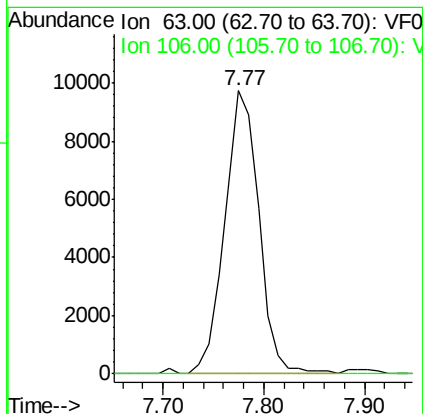
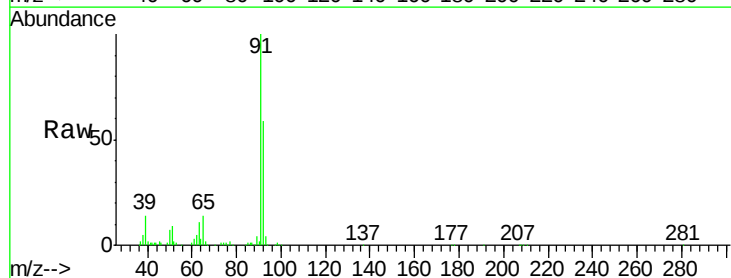
Acq: 21 Jun 2018 16:45

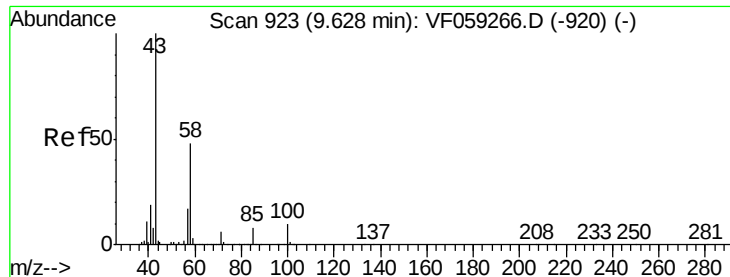
Tgt Ion: 63 Resp: 22965

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





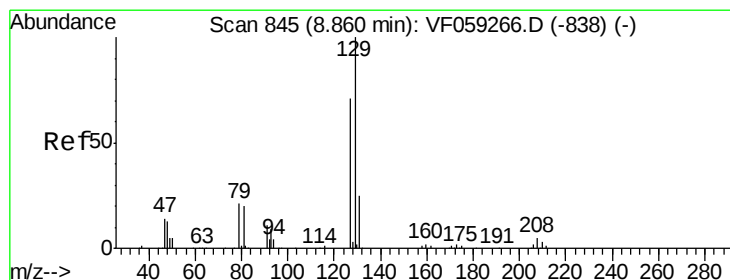
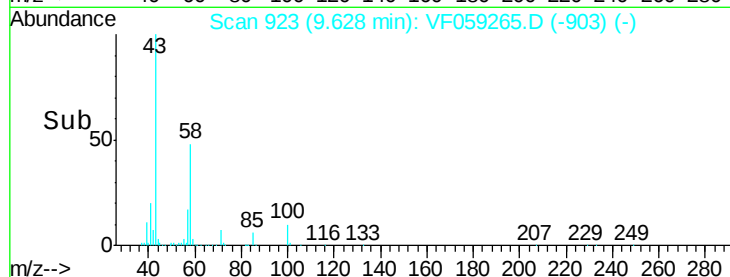
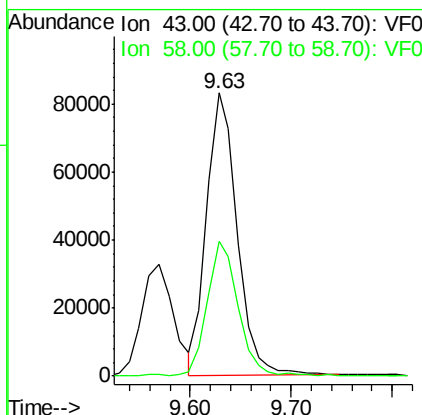
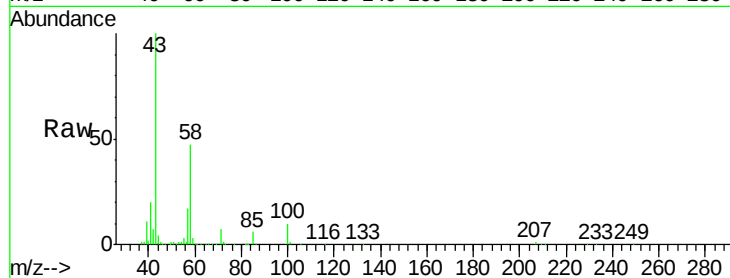
#59
2-Hexanone
Concen: 102.82 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 175749
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9

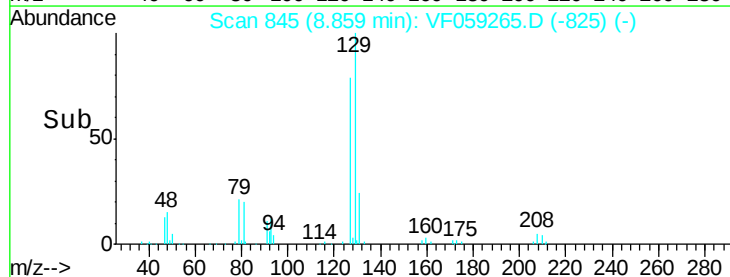
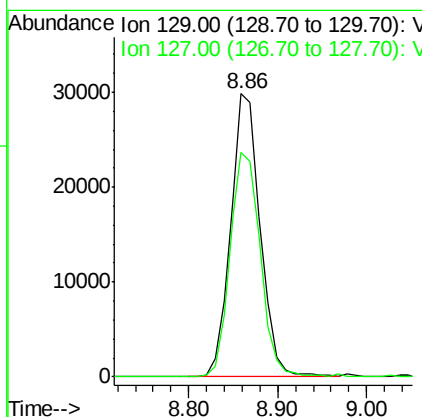
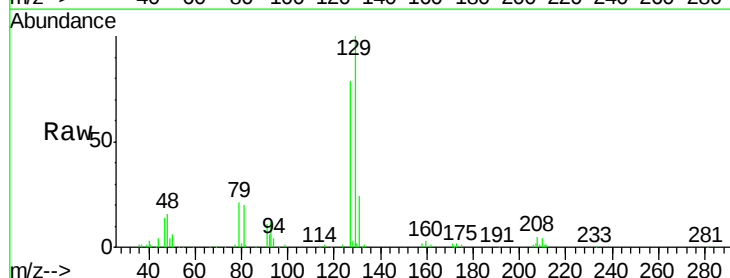
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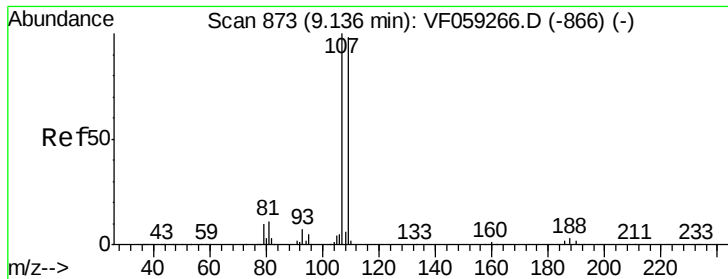
apatel
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#60
Dibromochloromethane
Concen: 20.69 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 129 Resp: 69345
Ion Ratio Lower Upper
129 100
127 79.3 35.4 106.2





#61

1,2-Dibromoethane

Concen: 21.51 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 57771

Ion Ratio Lower Upper

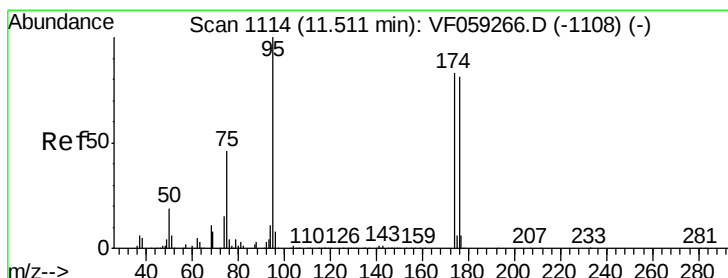
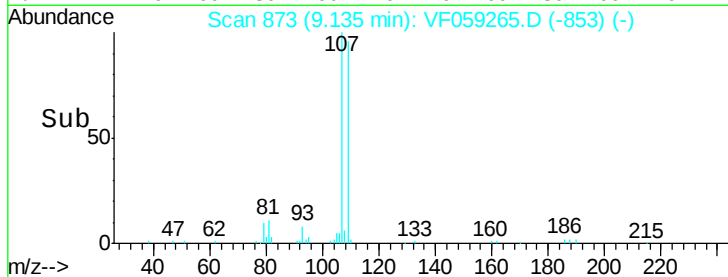
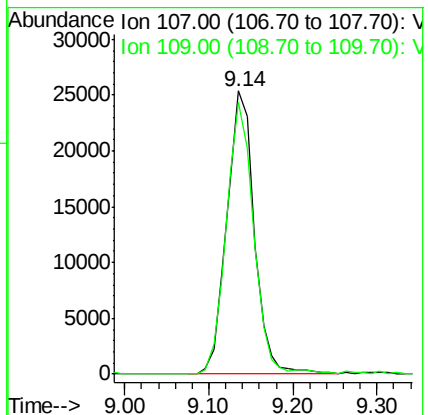
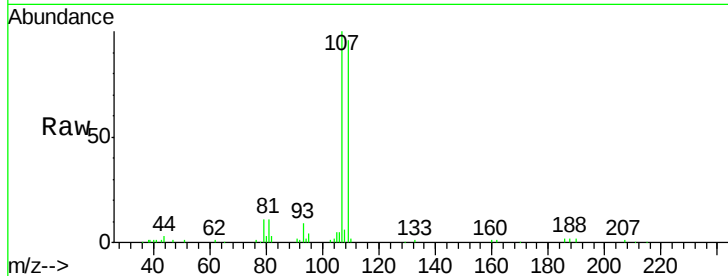
107 100

109 96.0 78.0 117.0

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#62

4-Bromofluorobenzene

Concen: 22.42 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

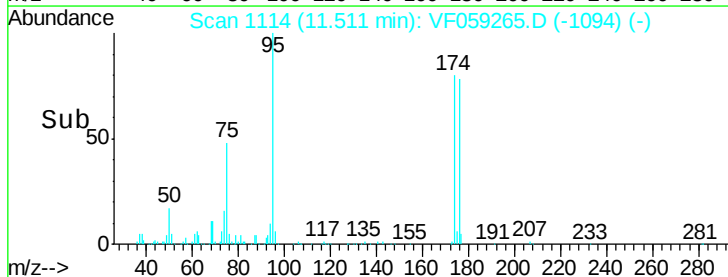
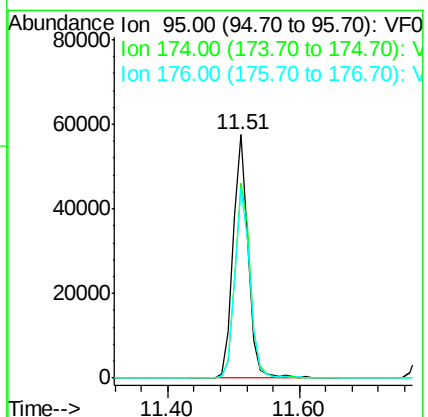
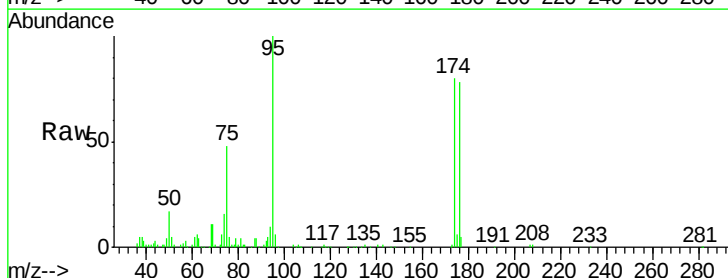
Tgt Ion: 95 Resp: 92656

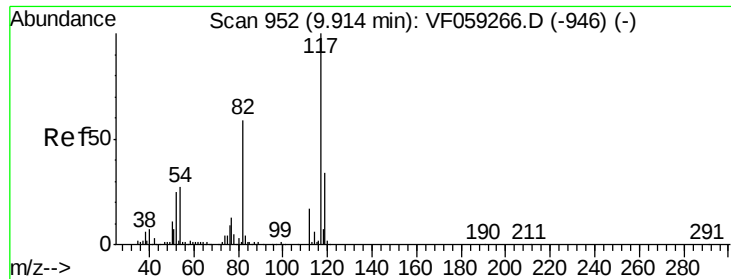
Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.2

176 78.2 0.0 162.8





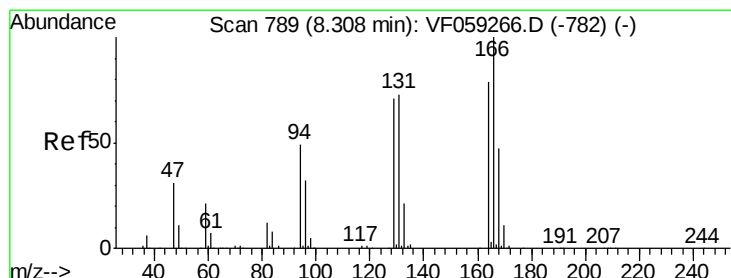
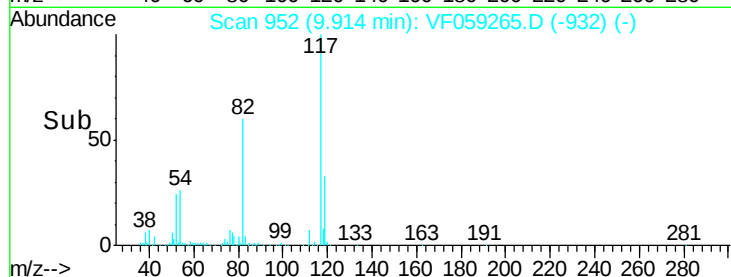
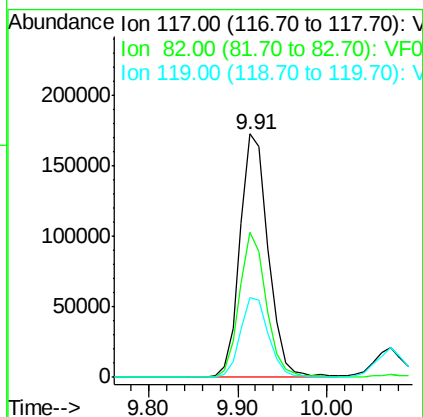
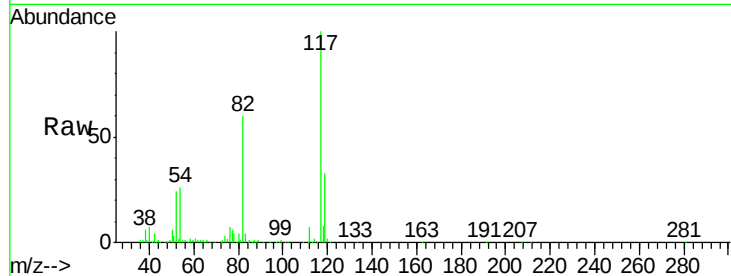
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378577		
82	59.7		47.1	70.7
119	32.7		26.9	40.3

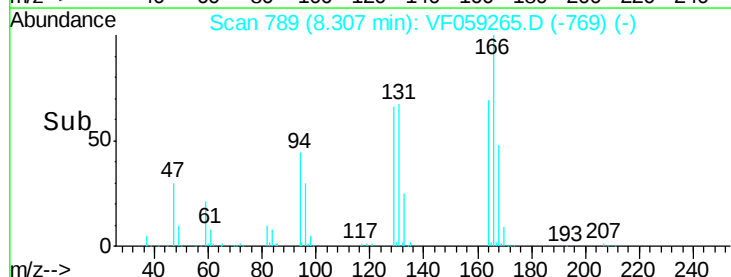
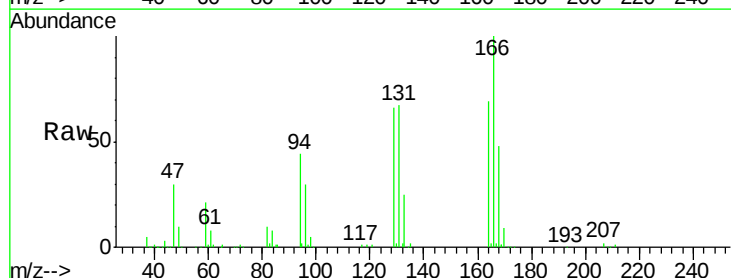
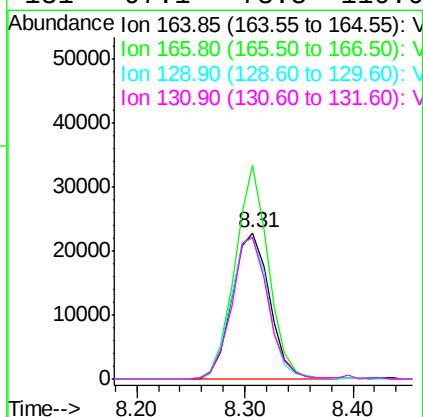
Manual Integrations
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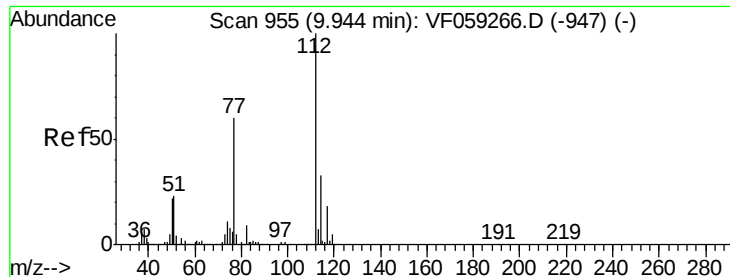
apatel
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#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54665		
166	145.9		101.4	152.2
129	96.4		72.2	108.4
131	97.1		73.8	110.6





#65

Chlorobenzene

Concen: 20.99 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 159414

Ion Ratio Lower Upper

112 100

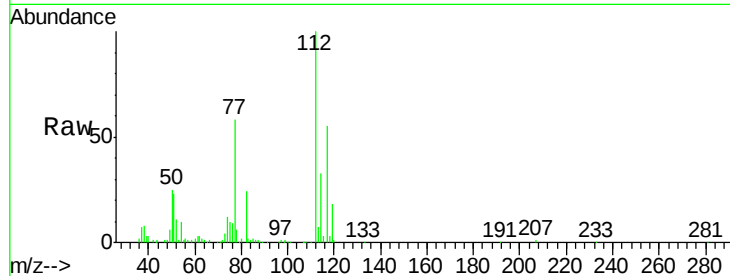
114 32.9 26.4 39.6

Manual Integrations

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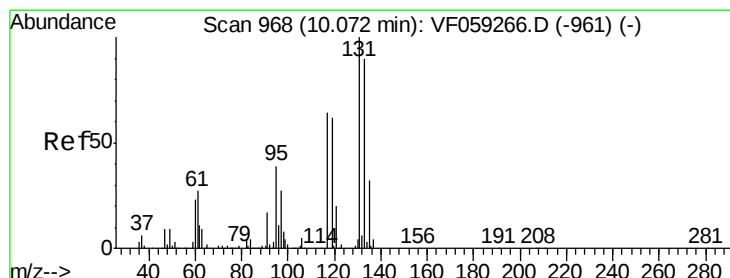
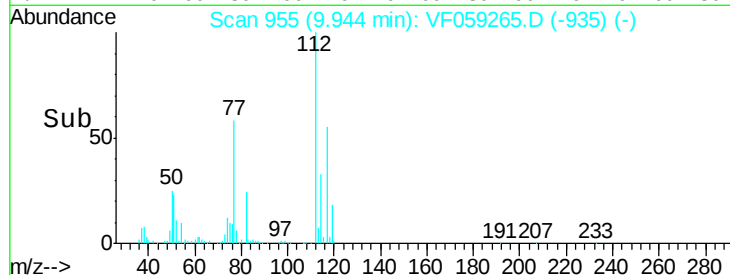
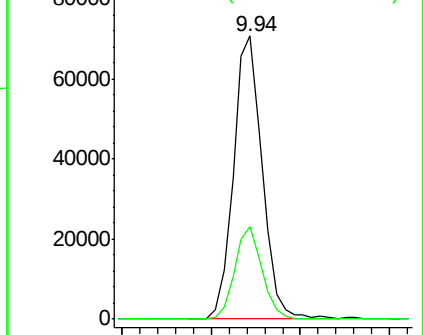
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.06 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

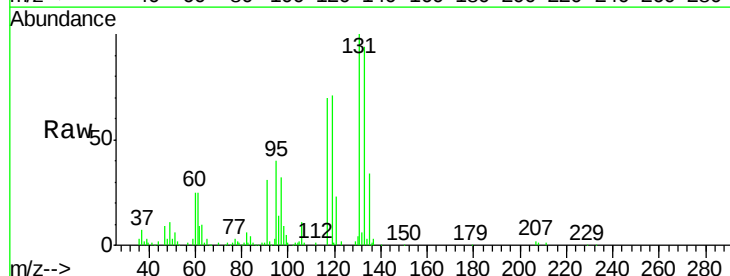
Tgt Ion:131 Resp: 67005

Ion Ratio Lower Upper

131 100

133 93.7 45.1 135.2

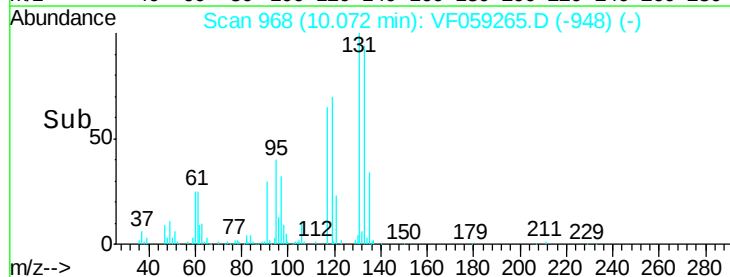
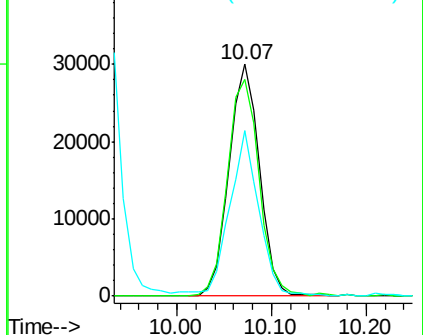
119 71.3 31.2 93.6

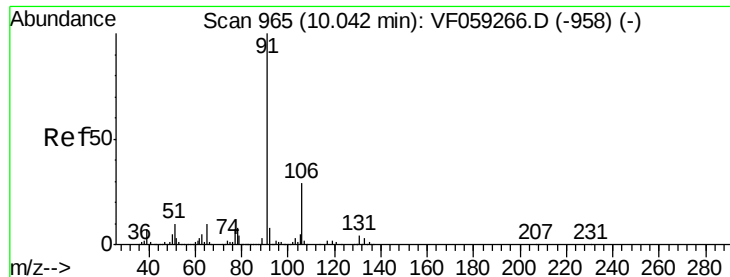


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.65 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 270010

Ion Ratio Lower Upper

91 100

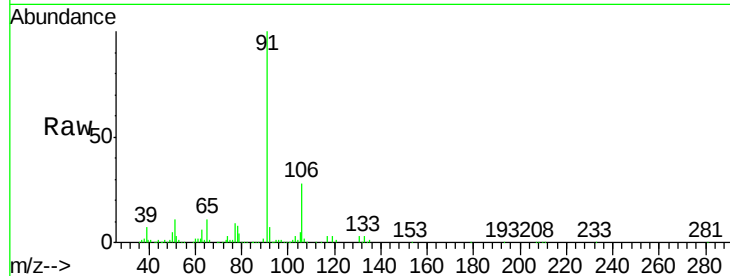
106 28.1 23.4 35.2

Manual Integrations

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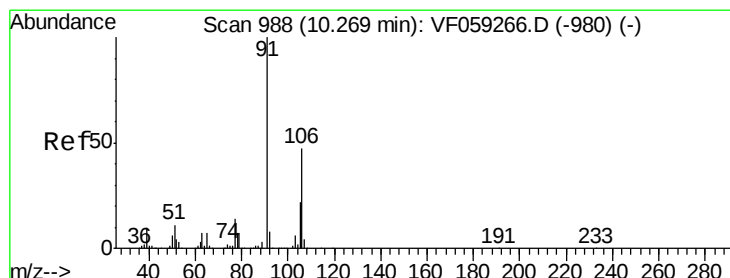
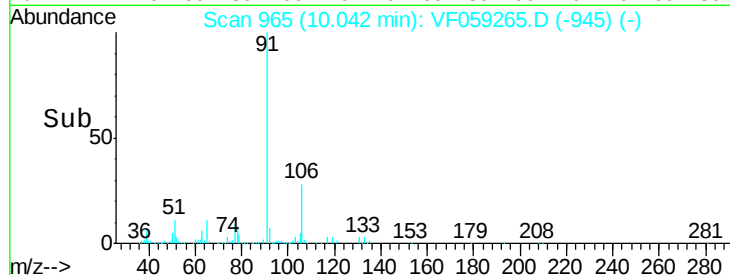
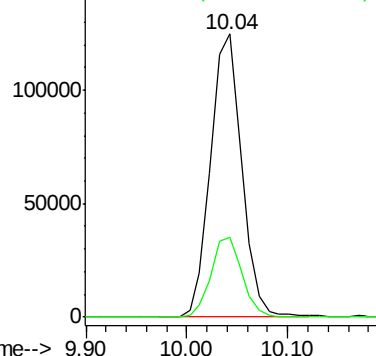
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.19 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059265.D

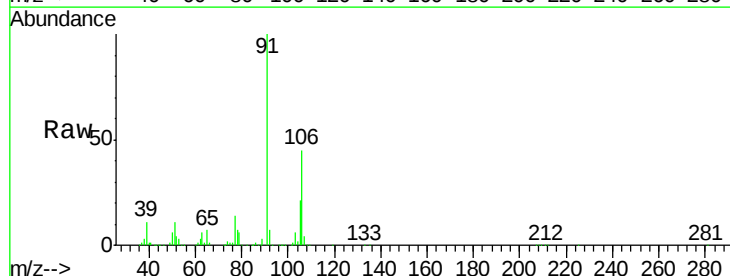
Acq: 21 Jun 2018 16:45

Tgt Ion: 106 Resp: 194549

Ion Ratio Lower Upper

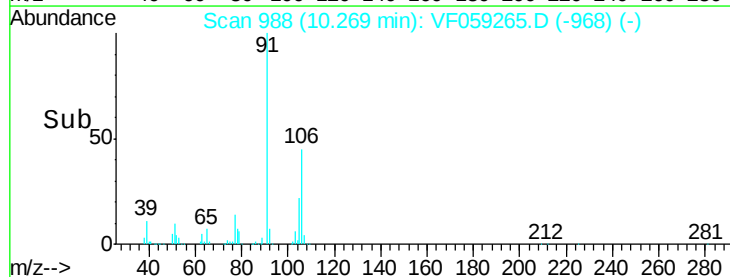
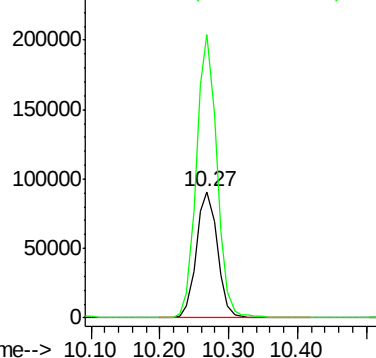
106 100

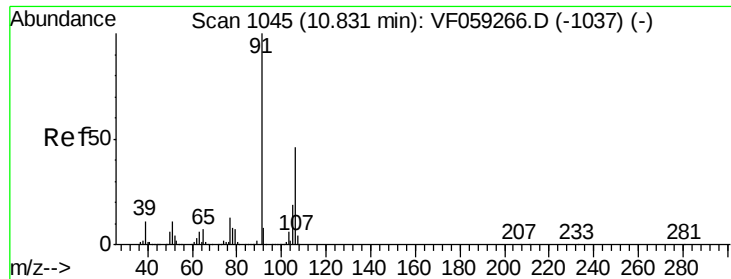
91 224.1 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





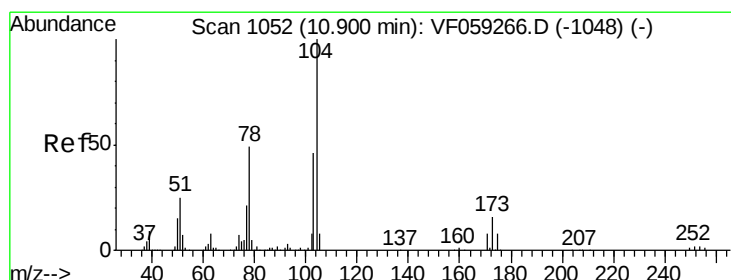
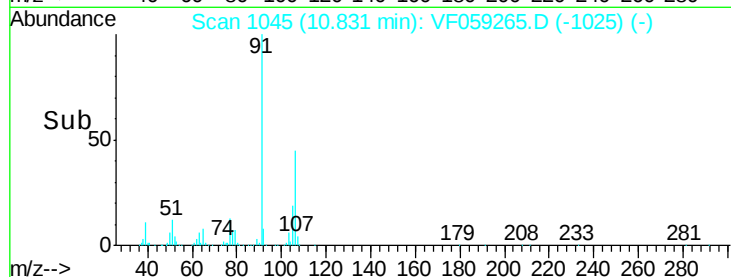
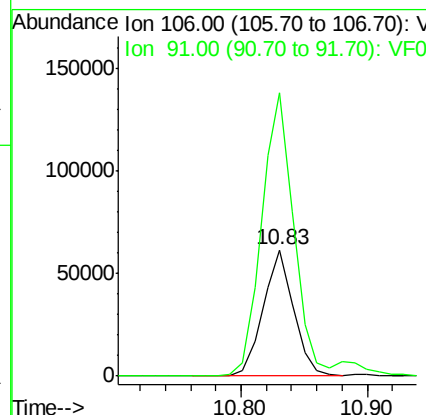
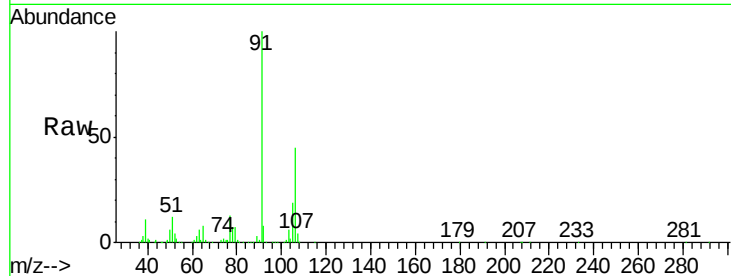
#69
o-Xylene
Concen: 19.48 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 104054
Ion Ratio Lower Upper
106 100
91 224.5 109.1 327.4

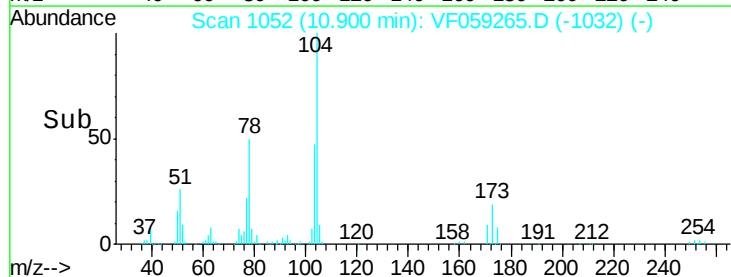
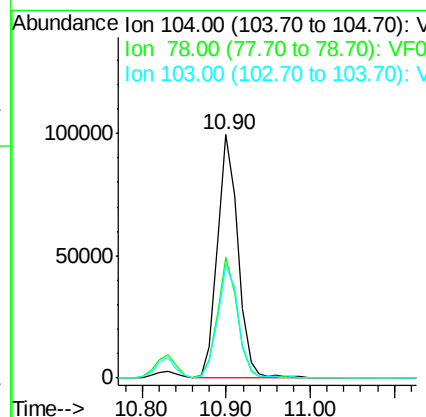
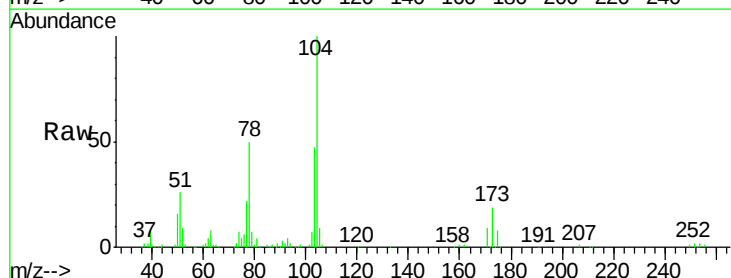
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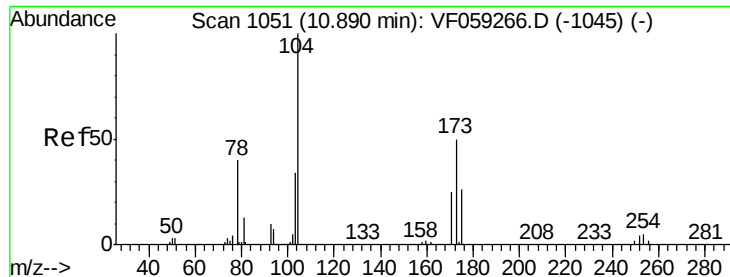
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#70
Styrene
Concen: 21.01 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:104 Resp: 168776
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 46.6 36.6 55.0





#71

Bromoform

Concen: 23.12 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

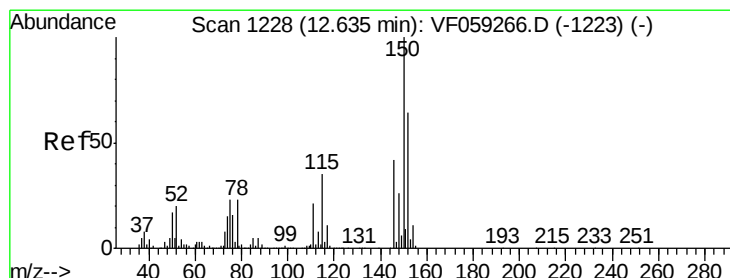
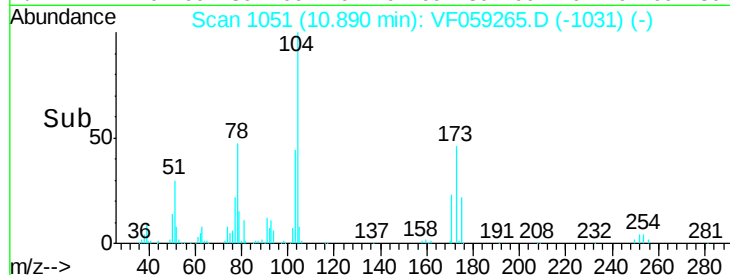
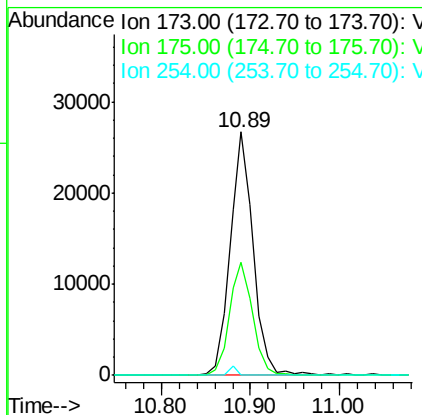
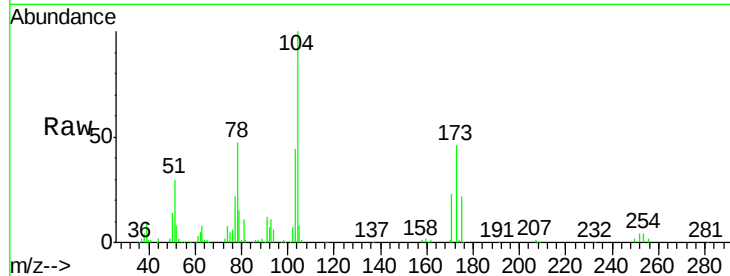
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	25.4	76.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

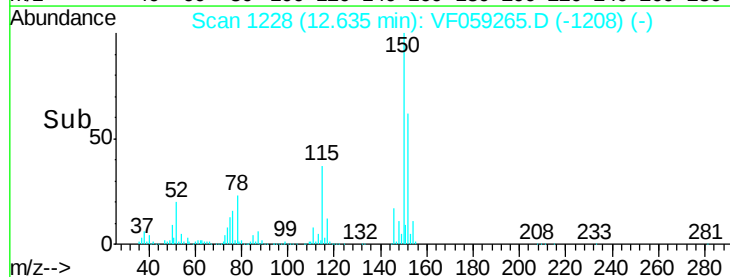
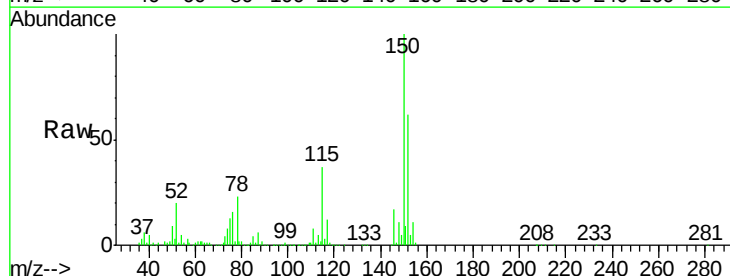
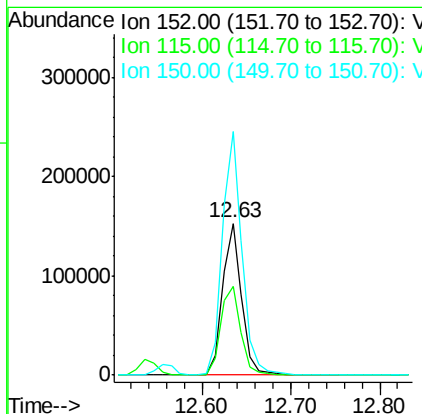
RT: 12.63 min Scan# 1228

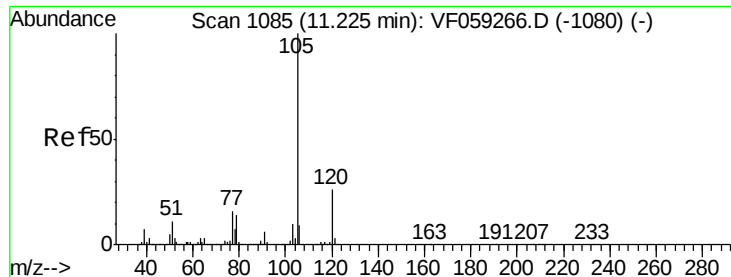
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	27.8	83.3
150	160.7	0.0	313.8





#73

Isopropylbenzene

Concen: 19.74 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 315606

Ion Ratio Lower Upper

105 100

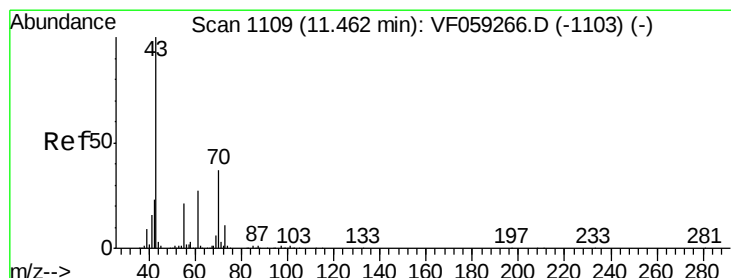
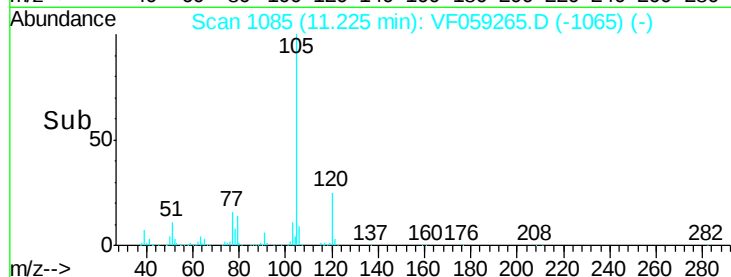
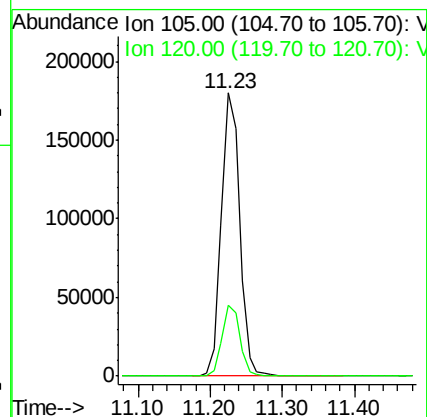
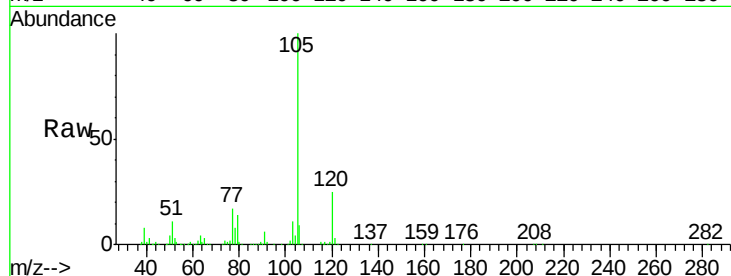
120 25.1 12.9 38.7

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#74

N-ethyl acetate

Concen: 18.80 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion: 43 Resp: 106563

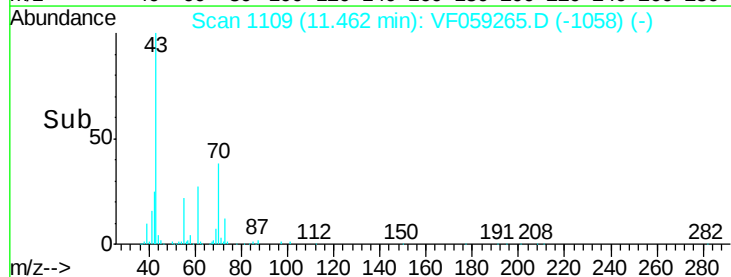
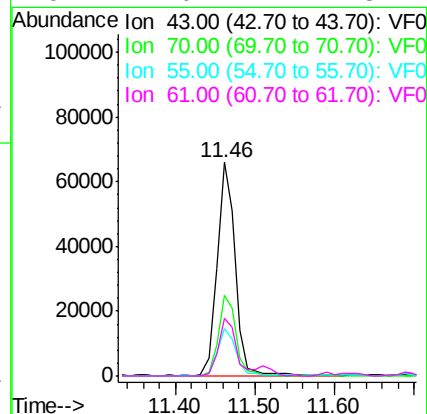
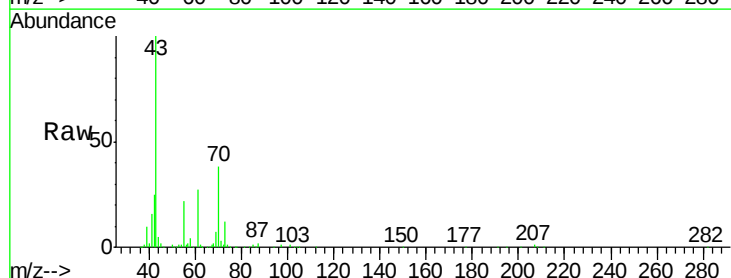
Ion Ratio Lower Upper

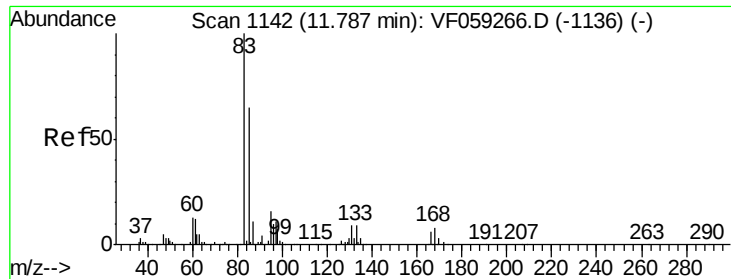
43 100

70 37.7 29.6 44.4

55 21.9 17.0 25.4

61 27.0 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.35 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

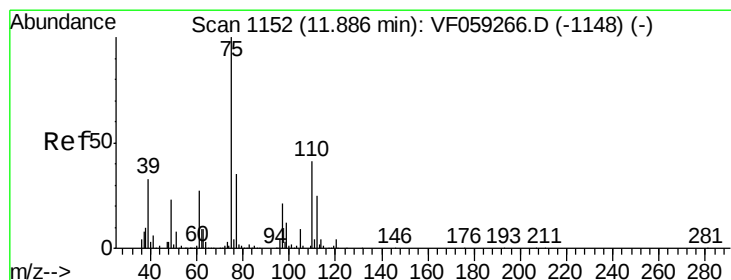
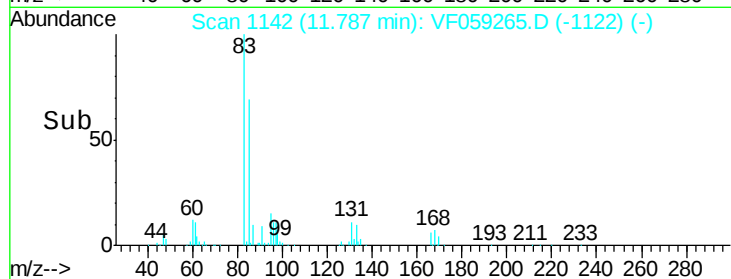
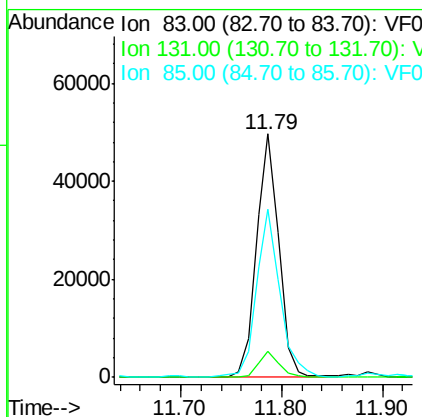
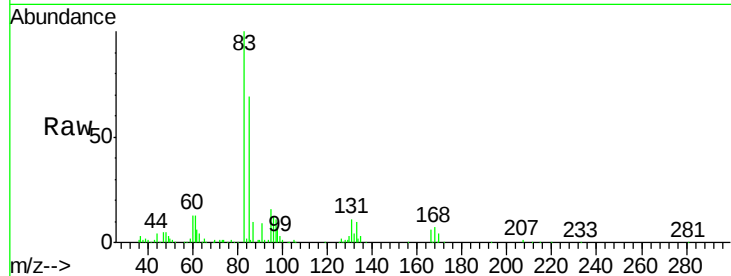
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	77148
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.8	14.3
85	68.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.90 ug/l

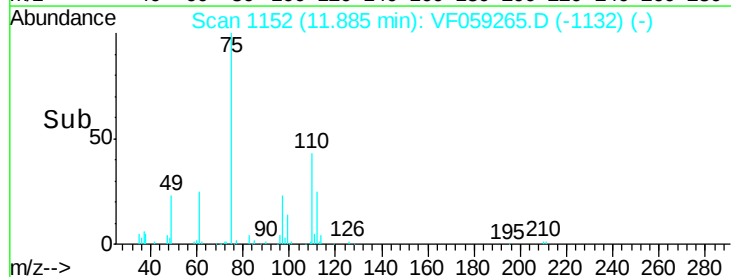
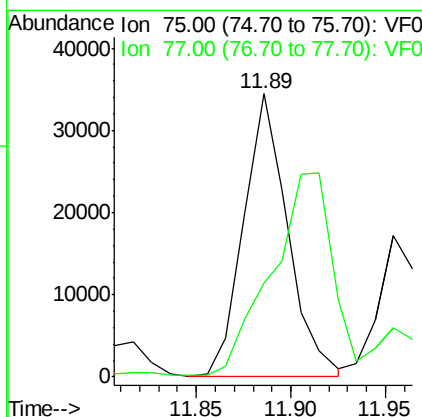
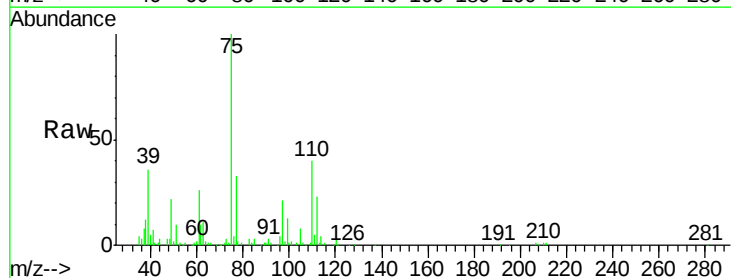
RT: 11.89 min Scan# 1152

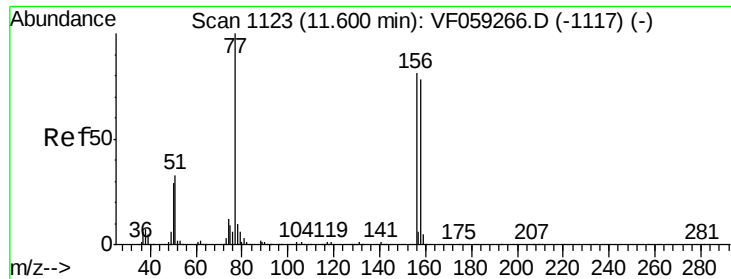
Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	75	Resp:	55852
Ion Ratio	Lower	Upper	
75	100		
77	33.4	17.4	52.2





#77

Bromobenzene

Concen: 21.17 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 86296

Ion Ratio Lower Upper

156 100

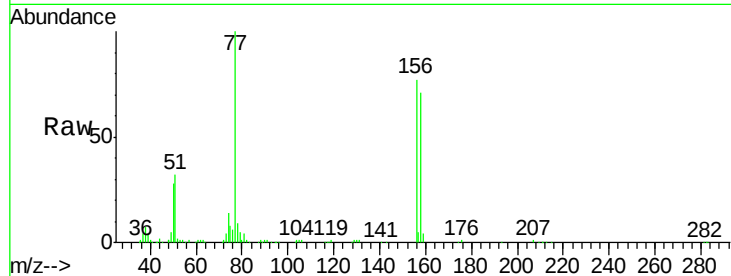
77 130.7 61.7 185.0

158 92.3 48.2 144.6

Manual Integrations
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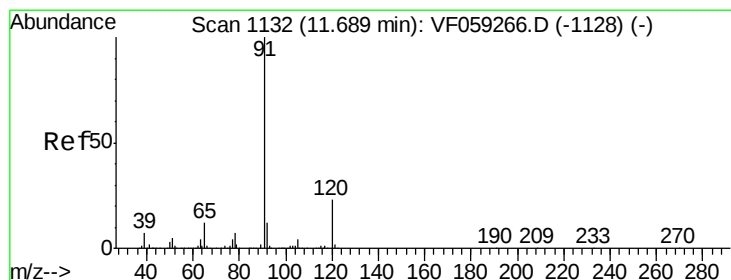
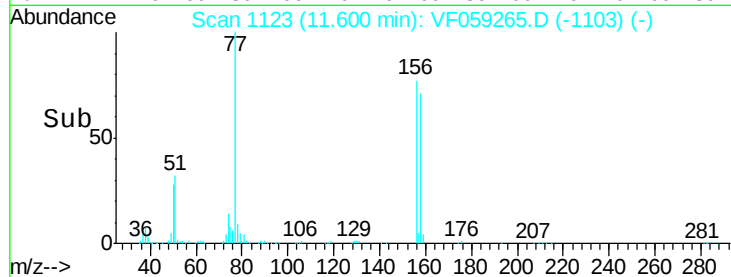
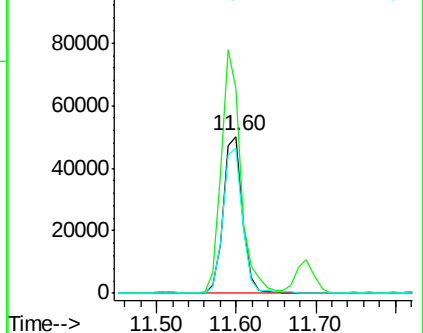
6/22/2018 11:34:27 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.34 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059265.D

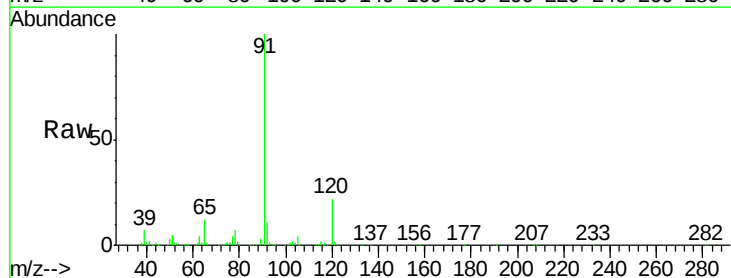
Acq: 21 Jun 2018 16:45

Tgt Ion: 91 Resp: 385117

Ion Ratio Lower Upper

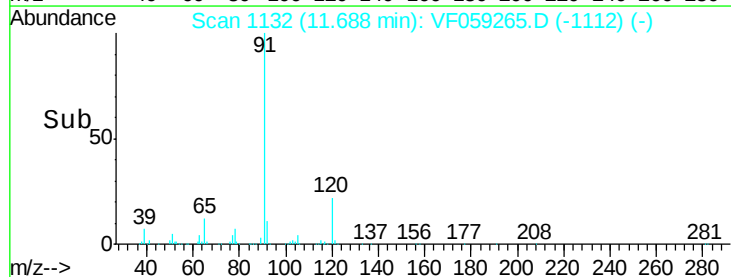
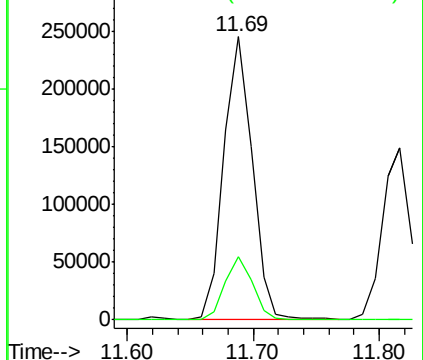
91 100

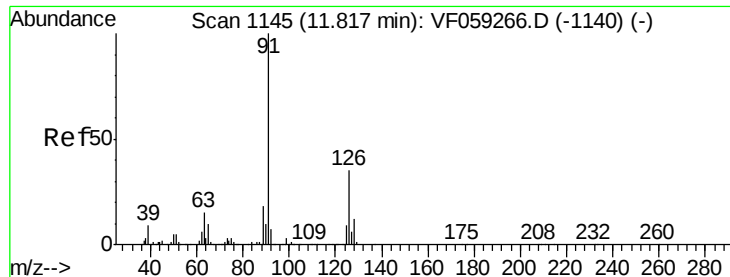
120 22.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





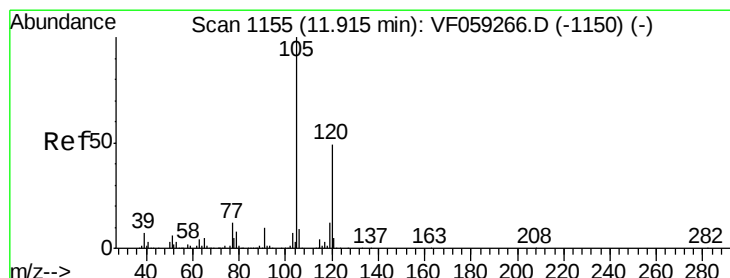
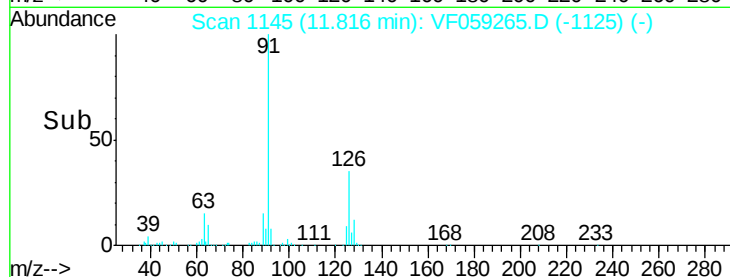
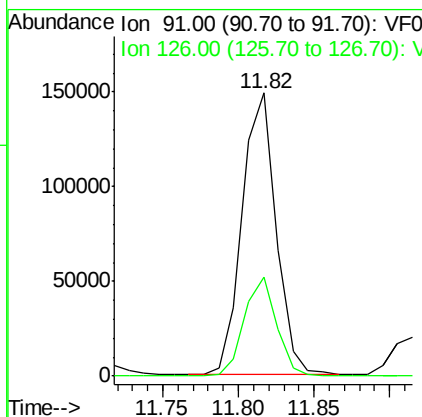
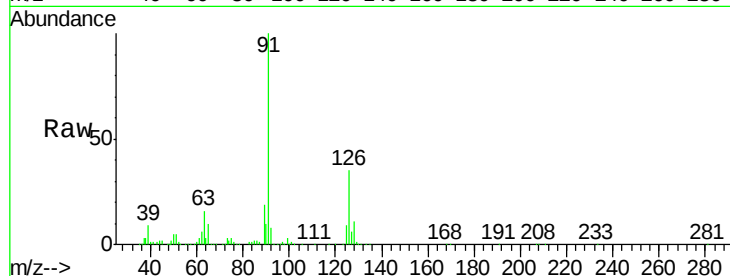
#79
 2-Chlorotoluene
 Concen: 20.77 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	91	Resp	233157
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.5	52.5

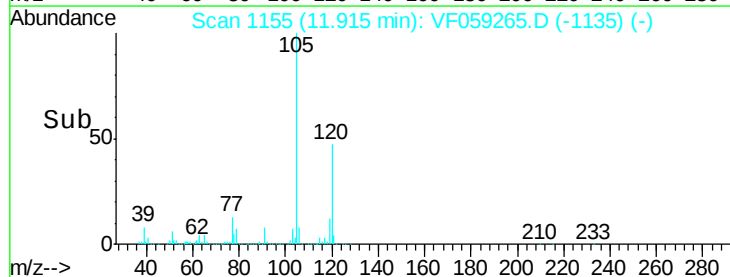
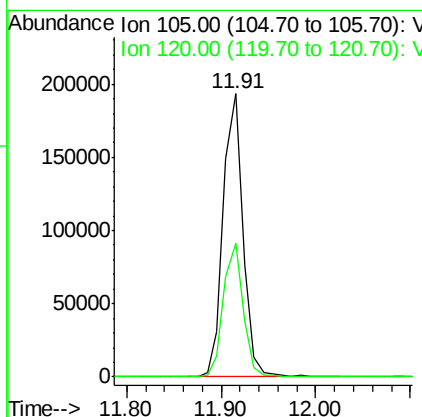
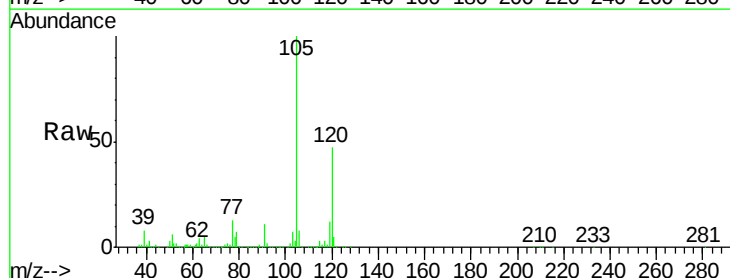
Manual Integrations
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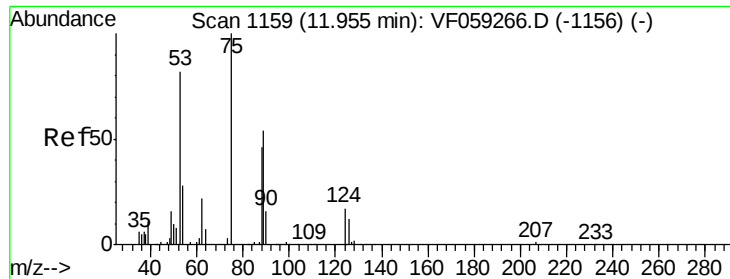
apatel
 6/22/2018 11:34:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.11 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	105	Resp	280853
Ion Ratio	Lower	Upper	
105	100		
120	47.2	24.3	73.0





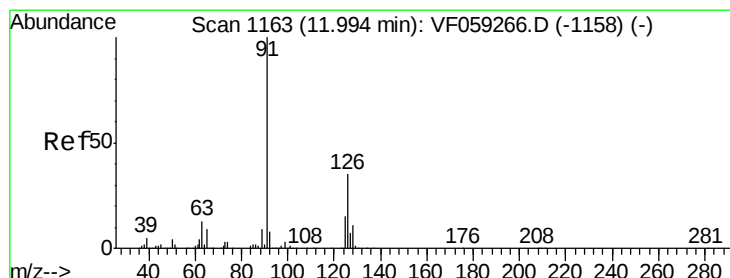
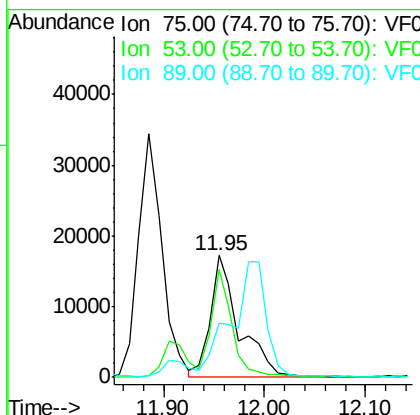
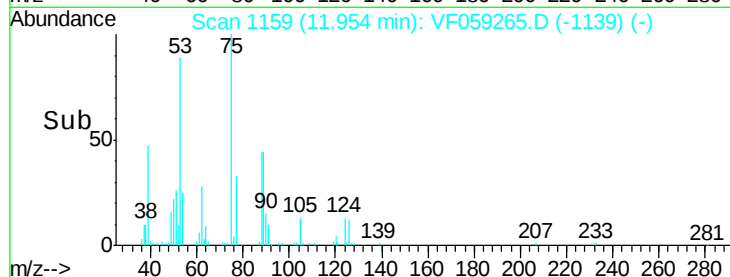
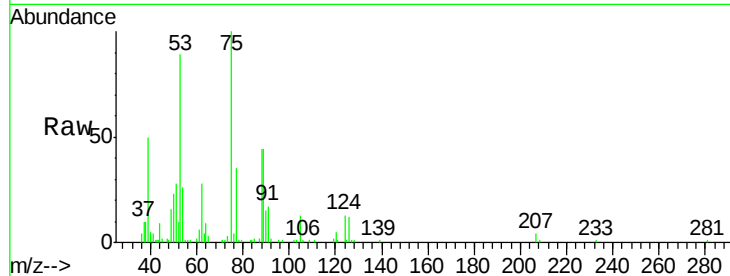
#81
trans-1,4-Dichloro-2-butene
Concen: 18.96 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	70.2	105.2
89	44.3	45.3	67.9#

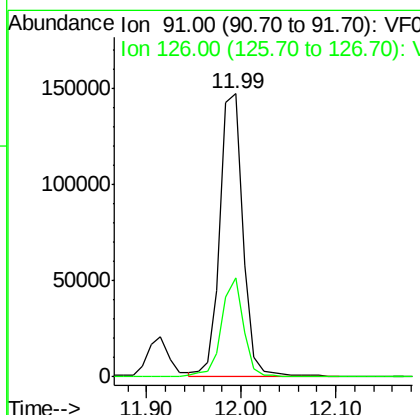
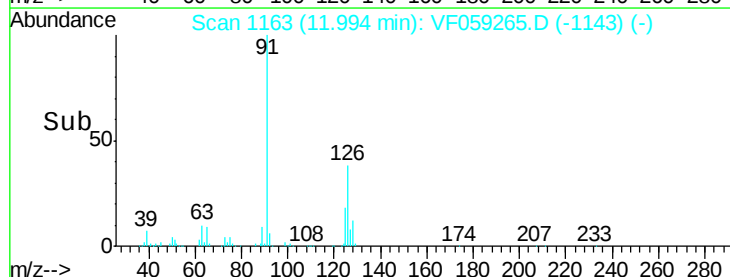
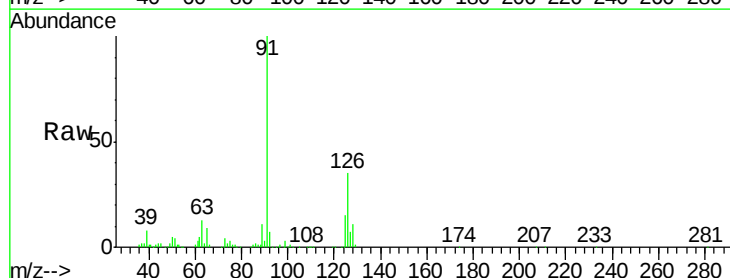
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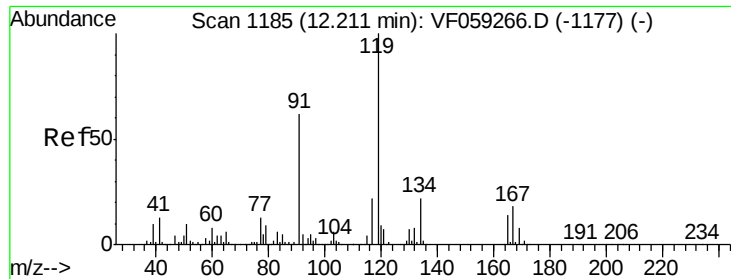
apatel
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#82
4-Chlorotoluene
Concen: 20.63 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.8





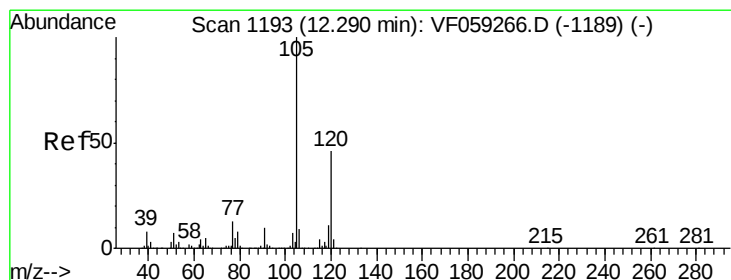
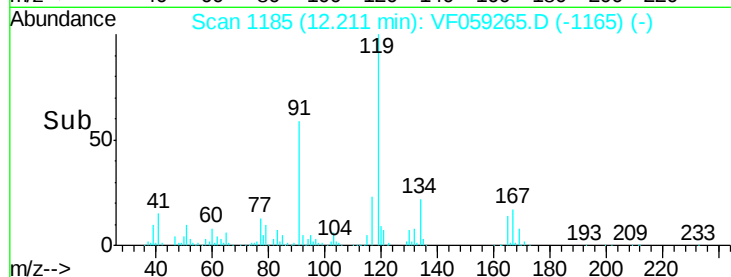
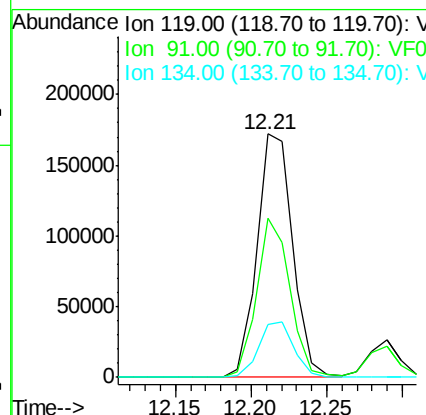
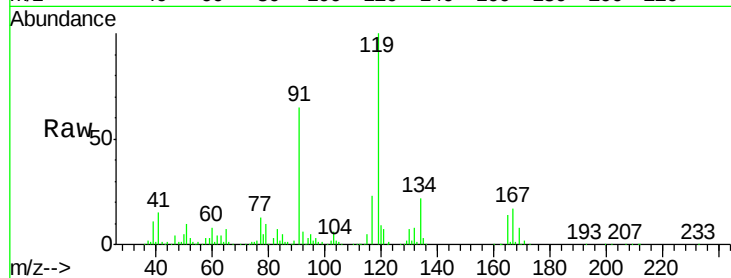
#83
tert-Butylbenzene
Concen: 21.40 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284035		
91	65.4	31.3	93.8	
134	21.7	11.3	33.8	

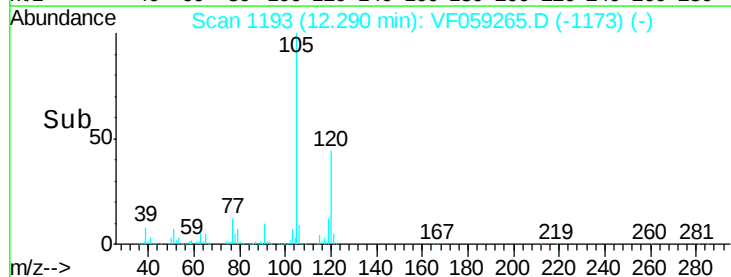
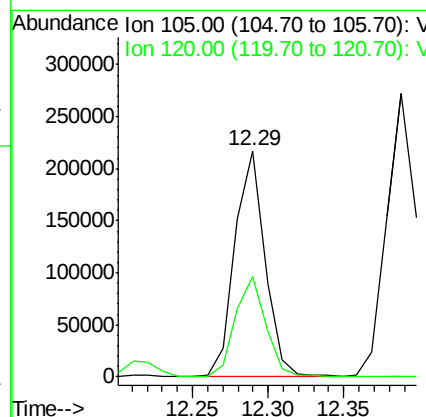
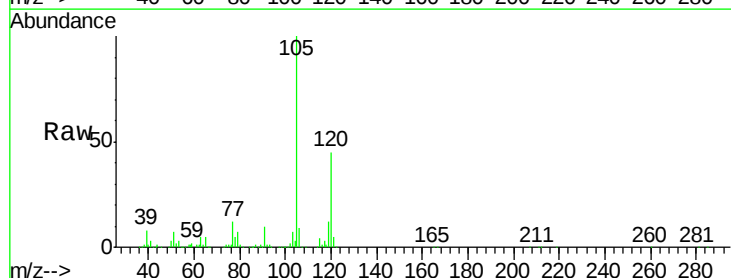
Manual Integrations
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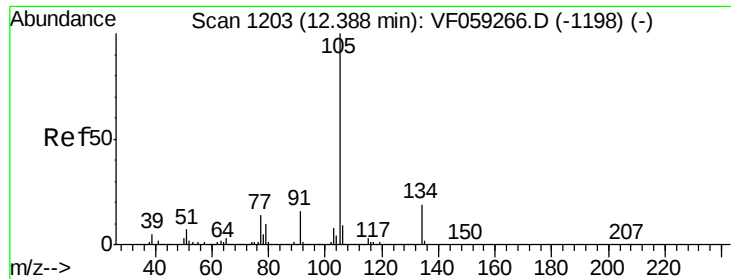
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 22.01 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	301567		
120	44.5	22.8	68.4	





#85

sec-Butylbenzene

Concen: 21.32 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 381262

Ion Ratio Lower Upper

105 100

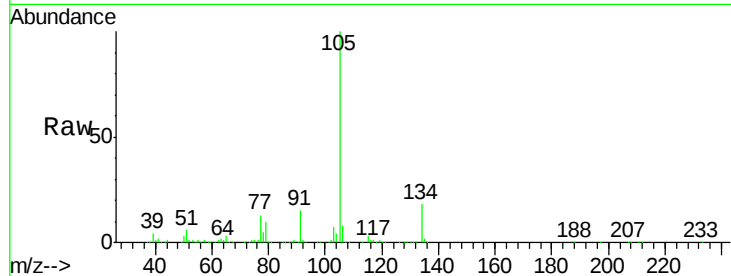
134 17.9 9.5 28.5

Manual Integrations

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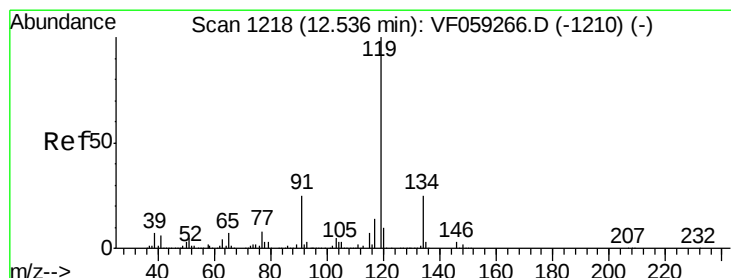
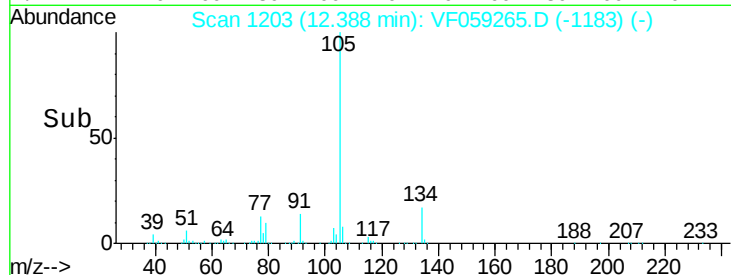
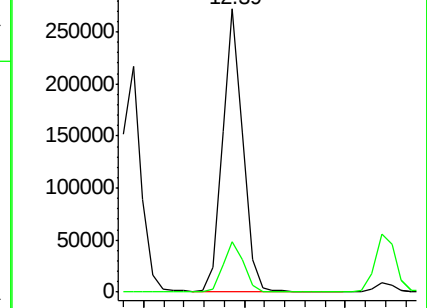
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.26 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

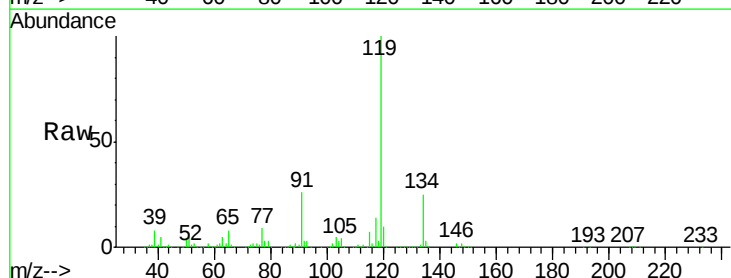
Tgt Ion:119 Resp: 313002

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

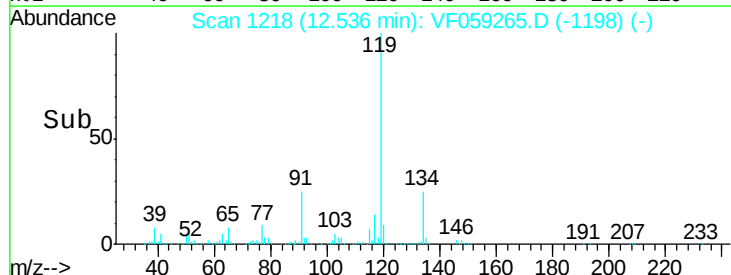
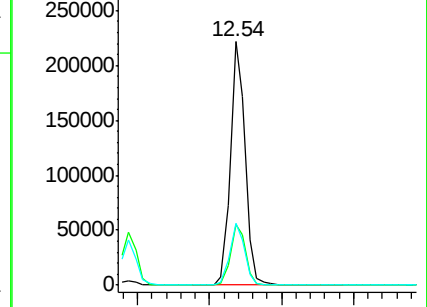
91 25.6 12.6 37.8

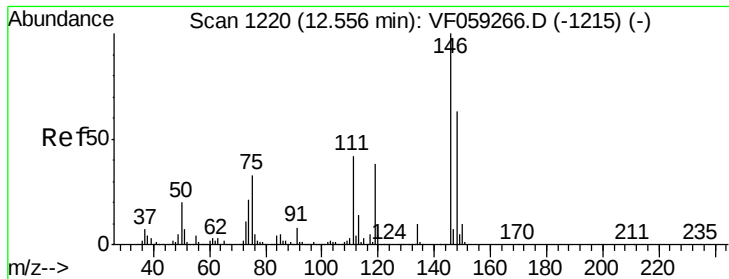


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





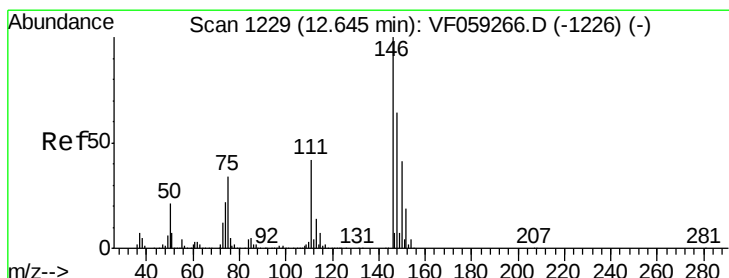
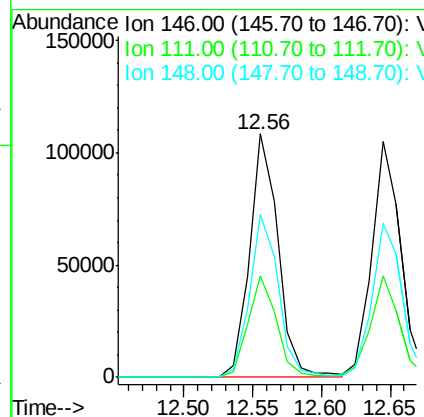
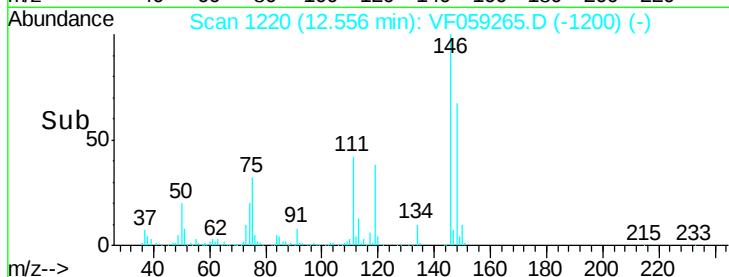
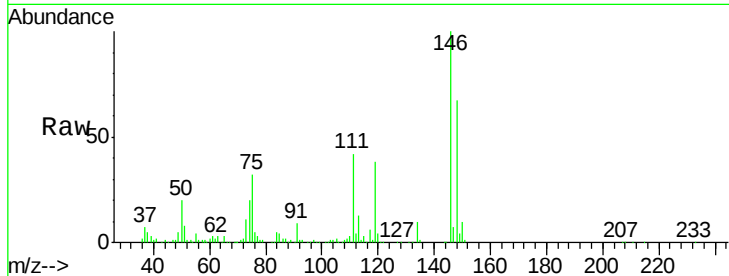
#87
 1,3-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	66.9	31.6	94.8

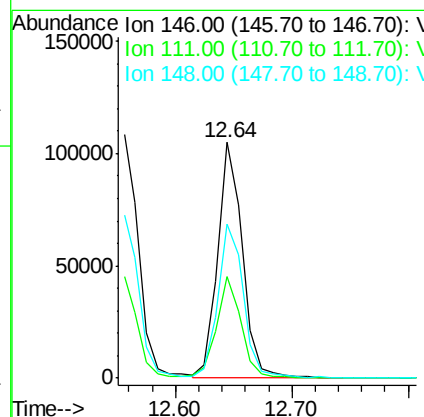
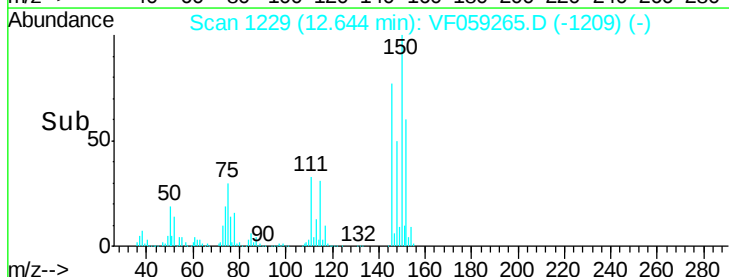
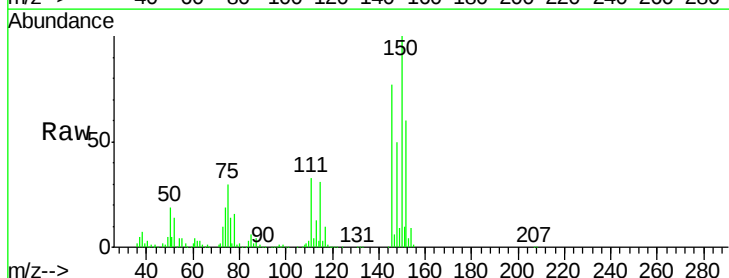
Manual Integrations
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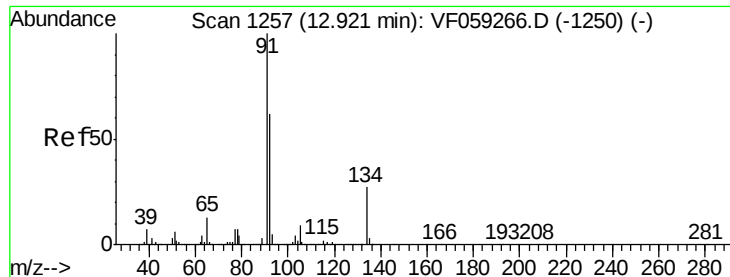
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.33 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	65.4	32.0	96.2





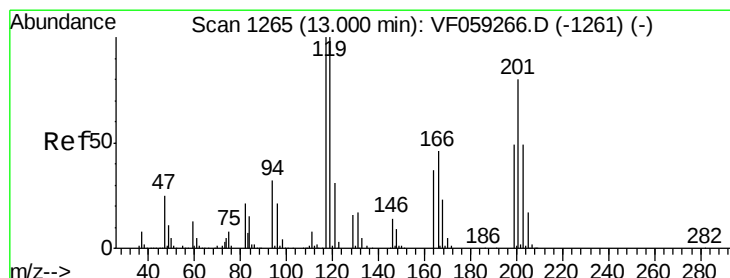
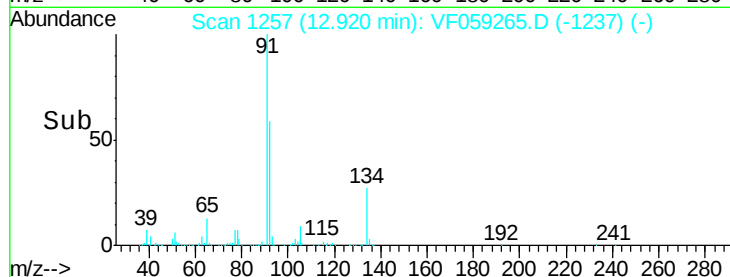
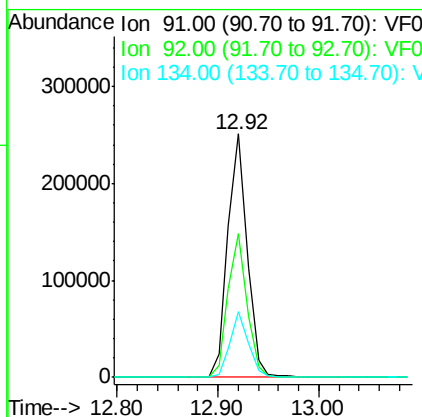
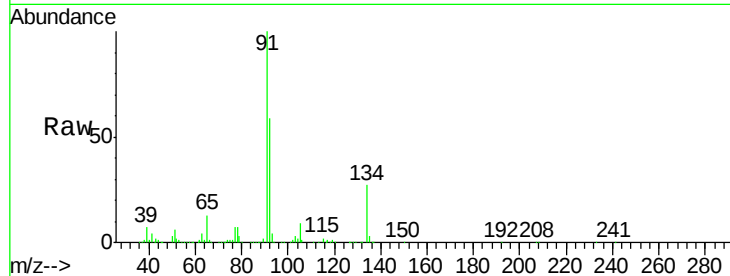
#89
n-Butylbenzene
Concen: 22.00 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	31.2	93.6
134	26.8	13.4	40.1

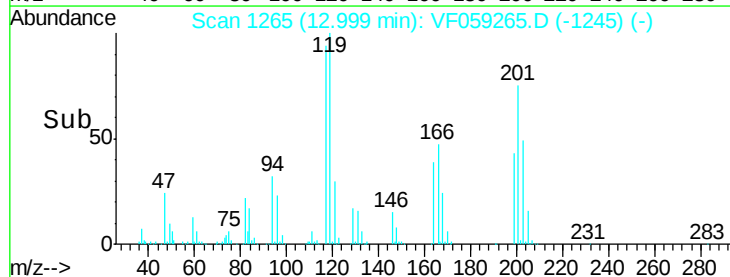
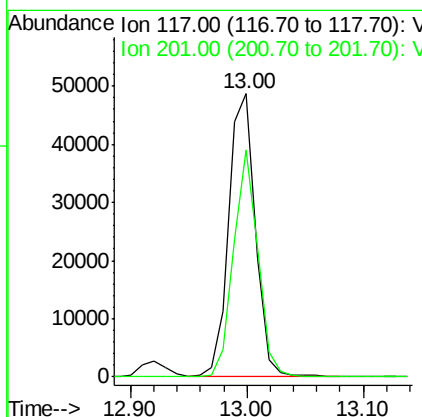
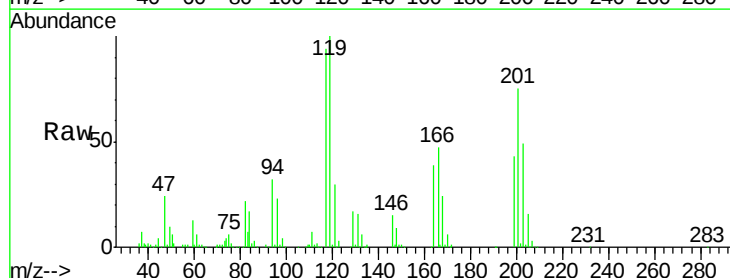
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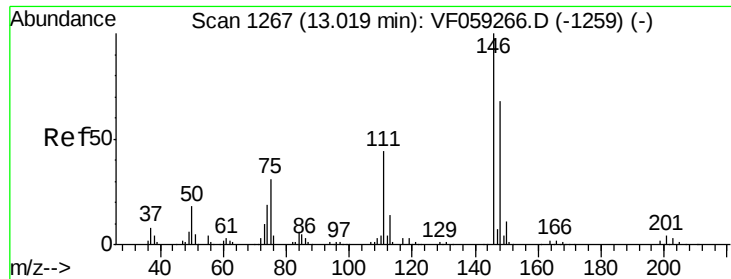
apatel
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#90
Hexachloroethane
Concen: 21.41 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	39.8	119.3





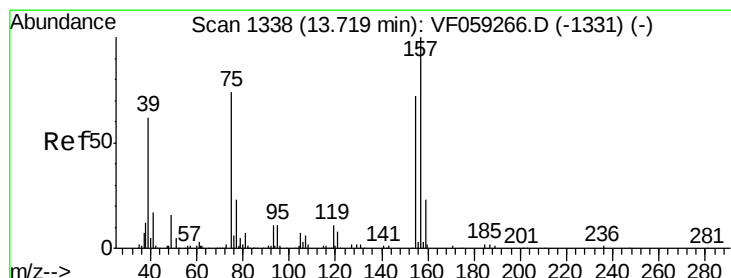
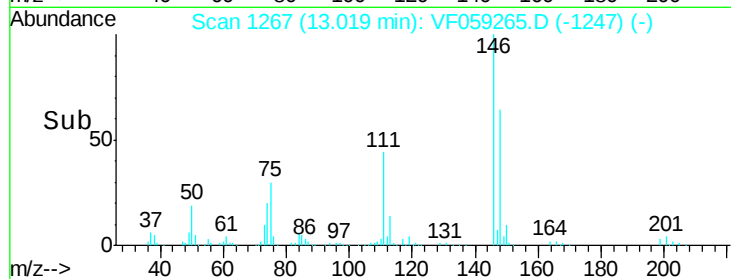
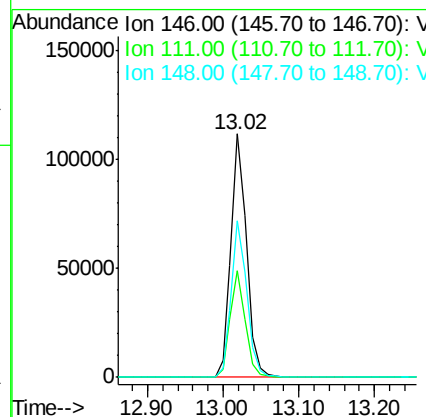
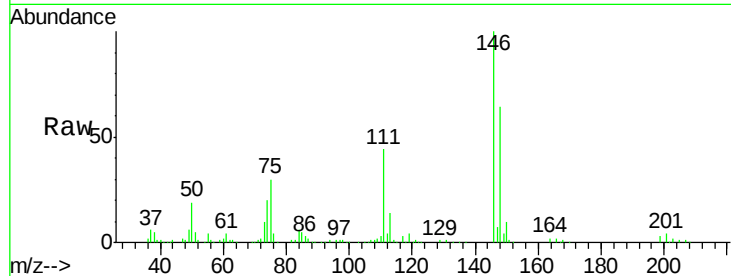
#91
 1,2-Dichlorobenzene
 Concen: 22.30 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.1	66.3
148	64.2	34.0	102.0

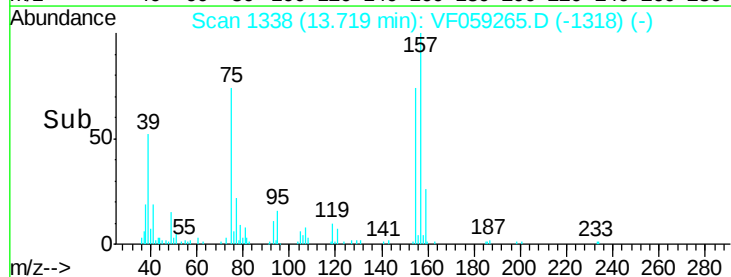
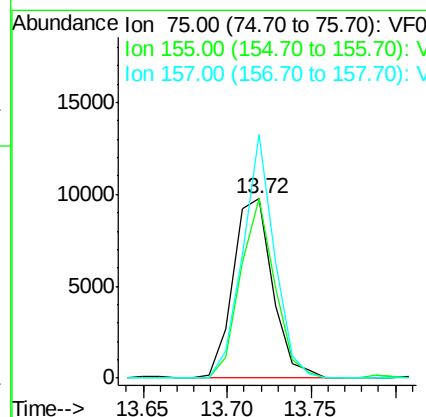
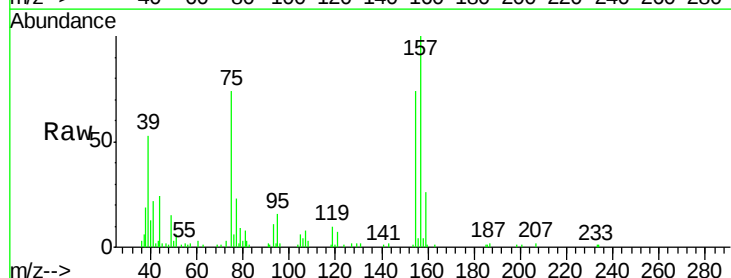
Manual Integrations
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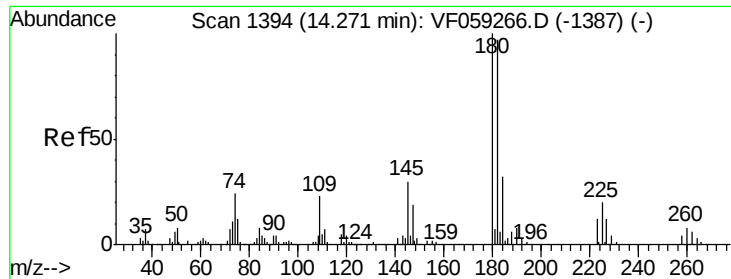
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.11 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	48.3	144.9
157	135.8	67.2	201.6





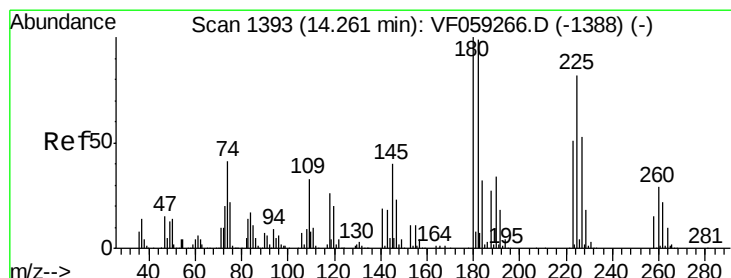
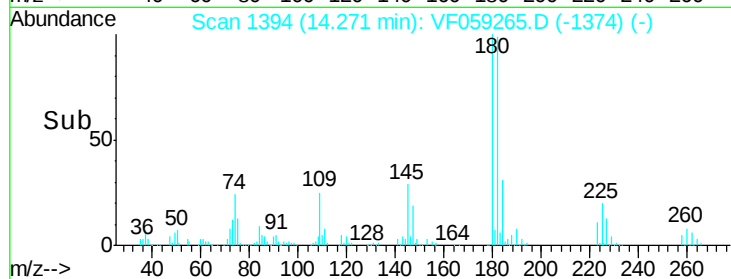
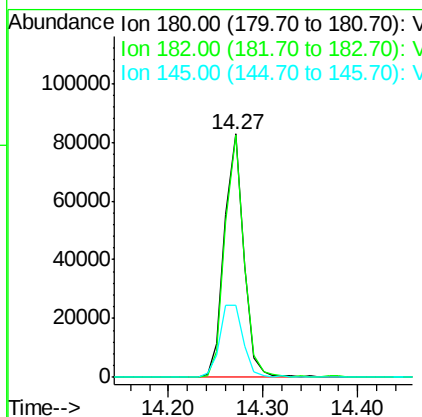
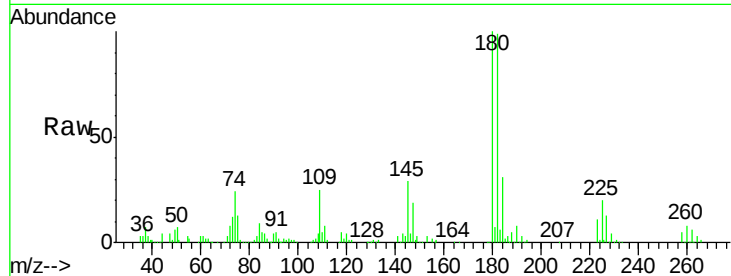
#93
 1,2,4-Trichlorobenzene
 Concen: 23.02 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118273		
182	99.3	48.6	145.9	
145	29.5	15.0	45.1	

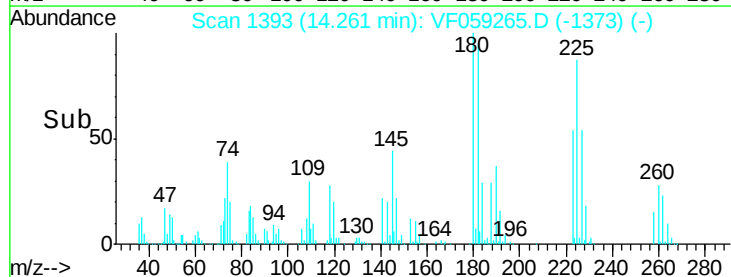
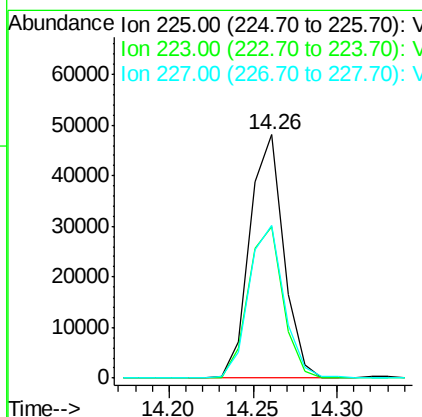
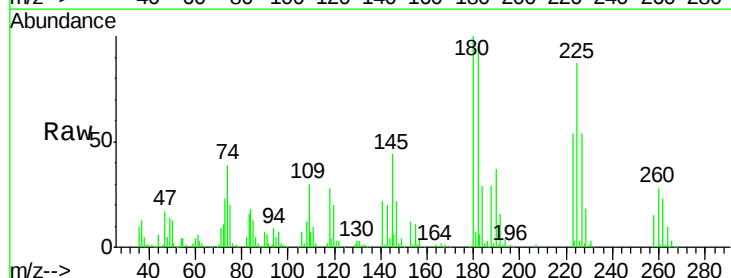
Manual Integrations
 APPROVED

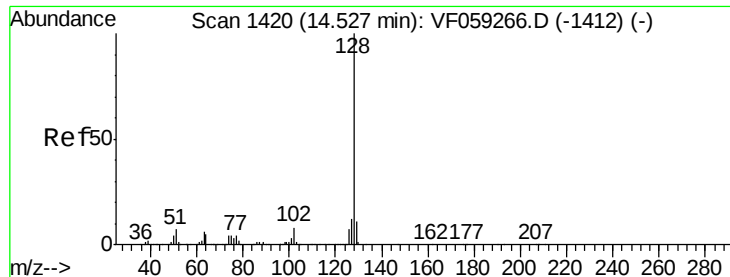
apatel
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#94
 Hexachlorobutadiene
 Concen: 22.64 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67120		
223	62.3	30.7	92.1	
227	62.9	32.0	96.2	





#95

Naphthalene

Concen: 21.91 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

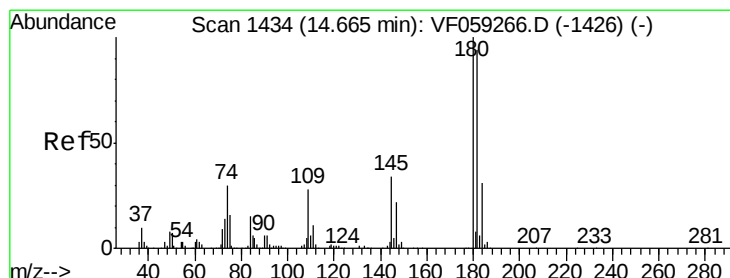
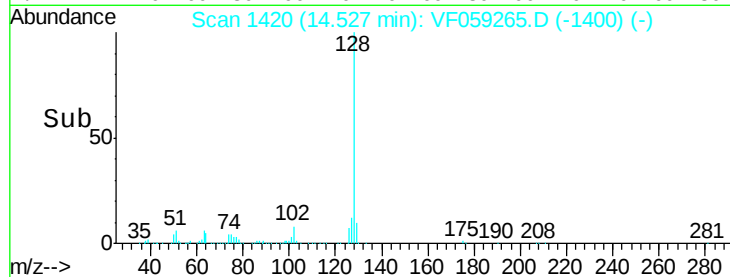
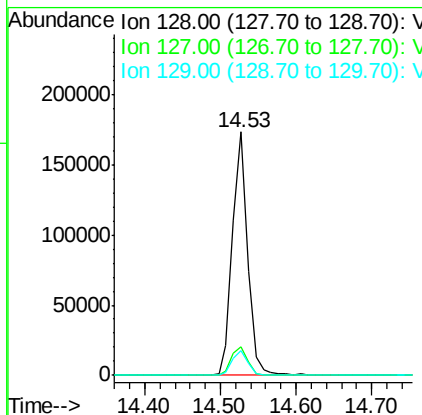
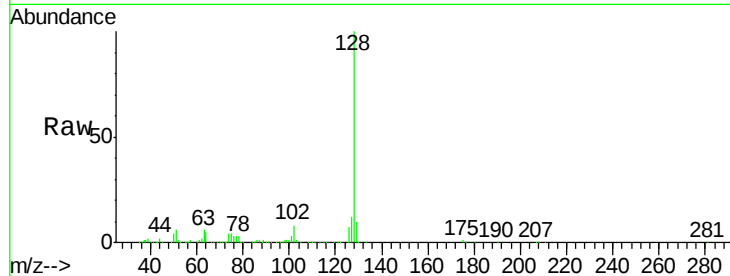
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	240695
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.6	14.4
129	10.0	9.0	13.4

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.62 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:	180	Resp:	112300
Ion Ratio	Lower	Upper	
180	100		
182	94.4	46.9	140.7
145	29.0	17.0	50.9

