

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059306.D
 Acq On : 25 Jun 2018 17:09
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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apatel
 6/26/2018 10:04:39 AM

Quant Time: Jun 26 08:15:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	276272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	424186	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	416594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	247633	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	322481	82.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.58%	
35) Dibromofluoromethane	4.28	113	278403	79.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.76%	
50) Toluene-d8	7.70	98	735657	83.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.72%	
62) 4-Bromofluorobenzene	11.50	95	376658	77.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	237749	76.18	ug/l	95
3) Chloromethane	1.08	50	165856	84.33	ug/l	98
4) Vinyl Chloride	1.15	62	150508	77.31	ug/l	97
5) Bromomethane	1.33	94	86331	65.00	ug/l	92
6) Chloroethane	1.42	64	82732	86.80	ug/l	92
7) Trichlorofluoromethane	1.48	101	337708m	88.63	ug/l	
8) Diethyl Ether	1.69	74	76154	86.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	174132	80.82	ug/l	97
10) Methyl Iodide	1.96	142	342292	86.63	ug/l	99
11) Tert butyl alcohol	2.68	59	92826	392.33	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	149588	77.55	ug/l	90
13) Acrolein	2.08	56	50571	268.09	ug/l #	75
14) Allyl chloride	2.18	41	313223	87.78	ug/l	93
15) Acrylonitrile	3.06	53	194411	397.24	ug/l	98
16) Acetone	2.32	43	412433	433.91	ug/l	99
17) Carbon Disulfide	1.83	76	374239	80.61	ug/l	97
18) Methyl Acetate	2.44	43	149720	83.57	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	570321	87.82	ug/l	93
20) Methylene Chloride	2.27	84	182077m	87.85	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	174888	88.18	ug/l	94
22) Diisopropyl ether	2.92	45	636689	85.83	ug/l	99
23) Vinyl Acetate	3.32	43	2001753	421.23	ug/l	100
24) 1,1-Dichloroethane	2.98	63	405450	84.64	ug/l	100
25) 2-Butanone	4.49	43	498462	401.78	ug/l	95
26) 2,2-Dichloropropane	3.75	77	218268m	65.74	ug/l	
27) cis-1,2-Dichloroethene	3.62	96	262805	86.98	ug/l	91
28) Bromochloromethane	3.87	49	146928	73.41	ug/l	95
29) Tetrahydrofuran	4.24	42	214793	386.31	ug/l	98
30) Chloroform	4.02	83	579241	83.66	ug/l	97
31) Cyclohexane	3.85	56	249723	76.94	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	401818	77.38	ug/l	98
36) 1,1-Dichloropropene	4.44	75	359348	83.68	ug/l	98
37) Ethyl Acetate	4.28	43	218640	77.44	ug/l	89
38) Carbon Tetrachloride	4.16	117	444255	83.86	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	324349	84.00	ug/l	98
40) Benzene	4.79	78	771316	83.97	ug/l	99
41) Methacrylonitrile	4.91	41	114428	85.14	ug/l	99
42) 1,2-Dichloroethane	5.10	62	461132	87.41	ug/l	98
43) Isopropyl Acetate	7.10	43	298486	87.86	ug/l #	97
44) Trichloroethene	5.66	130	259998	82.31	ug/l	95
45) 1,2-Dichloropropane	6.39	63	212430	79.76	ug/l	97
46) Dibromomethane	6.24	93	203118	88.87	ug/l	96
47) Bromodichloromethane	6.53	83	490793	90.07	ug/l	99
48) Methyl methacrylate	6.86	41	202125	92.94	ug/l	98
49) 1,4-Dioxane	6.85	88	20600	1616.44	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	979011	399.07	ug/l	99
52) Toluene	7.77	92	574264	80.82	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	434193	85.31	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	470537	86.95	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	232003	84.50	ug/l	94
56) Ethyl methacrylate	8.75	69	289496	91.76	ug/l	99
57) 1,3-Dichloropropane	8.99	76	392338	86.39	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	102368	408.24	ug/l	100
59) 2-Hexanone	9.62	43	809366	412.44	ug/l	99
60) Dibromochloromethane	8.85	129	365959	90.07	ug/l	94
61) 1,2-Dibromoethane	9.13	107	285936	89.73	ug/l	99
64) Tetrachloroethene	8.29	164	252490	81.26	ug/l	98
65) Chlorobenzene	9.93	112	747905	86.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	327255	90.19	ug/l	95
67) Ethyl Benzene	10.02	91	1289341	88.34	ug/l	100
68) m/p-Xylenes	10.26	106	906914	173.95	ug/l	92
69) o-Xylene	10.82	106	520939	90.16	ug/l	93
70) Styrene	10.89	104	753270	85.83	ug/l	98
71) Bromoform	10.88	173	233482	90.64	ug/l #	100
73) Isopropylbenzene	11.22	105	1412858	85.53	ug/l	97
74) N-amyl acetate	11.45	43	504112	91.51	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	333614	84.36	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	240869	83.32	ug/l	95
77) Bromobenzene	11.59	156	394350	88.12	ug/l	81
78) n-propylbenzene	11.68	91	1633643	84.00	ug/l	98
79) 2-Chlorotoluene	11.81	91	1025258	87.60	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	1315818	94.34	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.94	75	158187	86.58	ug/l	97
82) 4-Chlorotoluene	11.98	91	1091125	86.28	ug/l	98
83) tert-Butylbenzene	12.21	119	1176293	83.51	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	1272417	86.22	ug/l	97
85) sec-Butylbenzene	12.38	105	1605313	84.85	ug/l	97
86) p-Isopropyltoluene	12.53	119	1313056	84.61	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	671645	83.63	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	688641	87.09	ug/l	98
89) n-Butylbenzene	12.91	91	1323311	83.90	ug/l	96
90) Hexachloroethane	12.99	117	347942	89.04	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	673187	83.59	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	77414	90.65	ug/l	90

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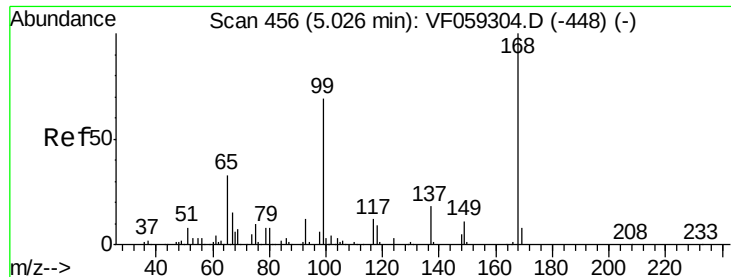
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	507769	86.97	ug/l	99
94) Hexachlorobutadiene	14.25	225	298812	87.45	ug/l	98
95) Naphthalene	14.52	128	1120356	93.09	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	495915	90.30	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

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Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 276272

Ion Ratio Lower Upper

168 100

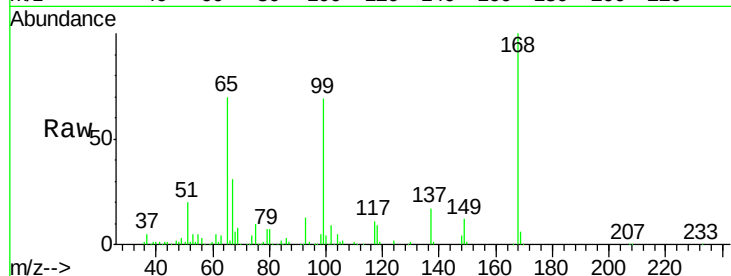
99 69.5 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

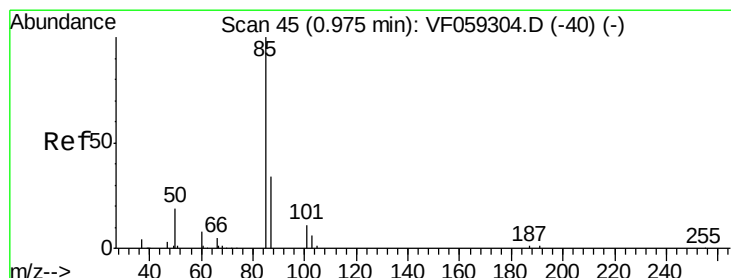
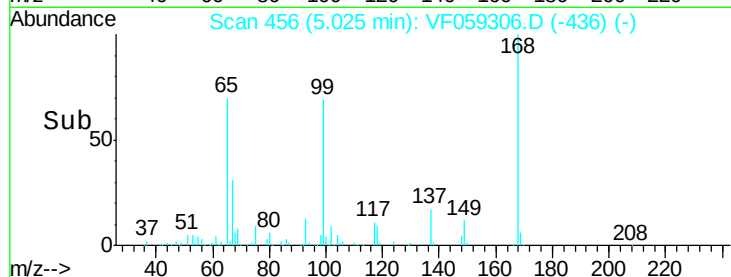
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 76.18 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059306.D

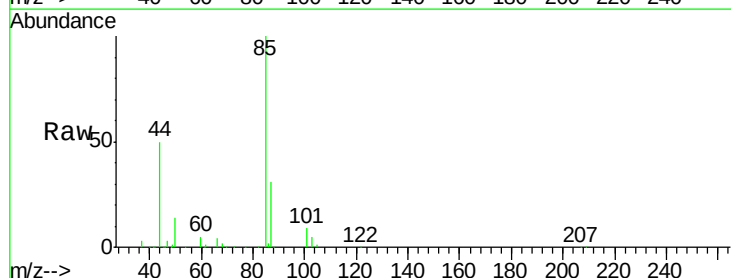
Acq: 25 Jun 2018 17:09

Tgt Ion: 85 Resp: 237749

Ion Ratio Lower Upper

85 100

87 31.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

80000

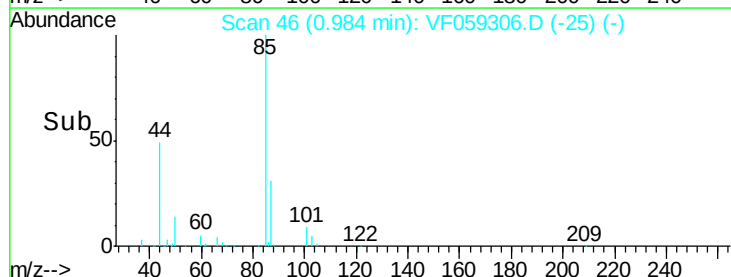
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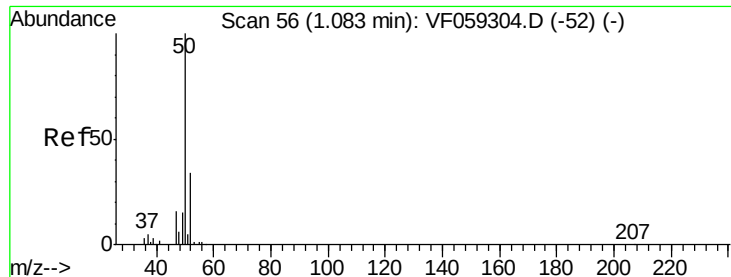
40000

20000

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Time-->





#3

Chloromethane

Concen: 84.33 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 165856

Ion Ratio Lower Upper

50 100

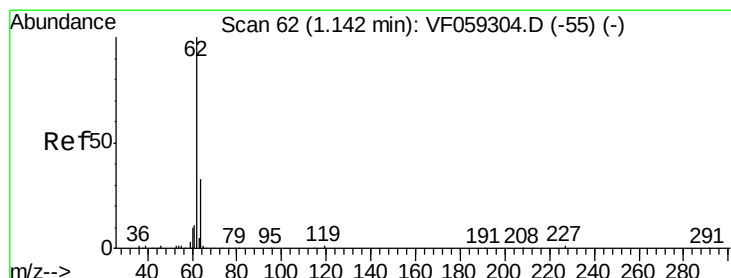
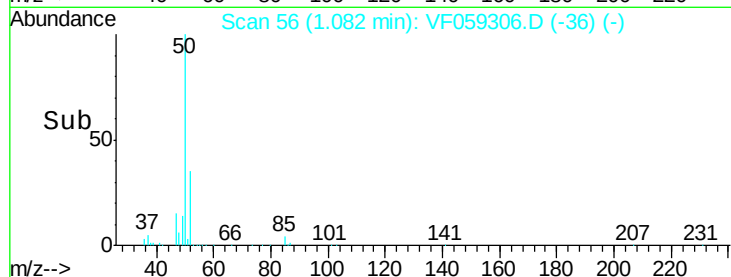
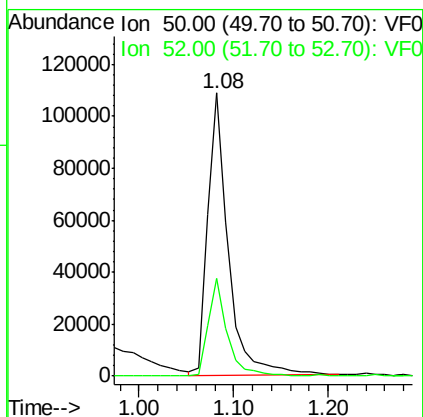
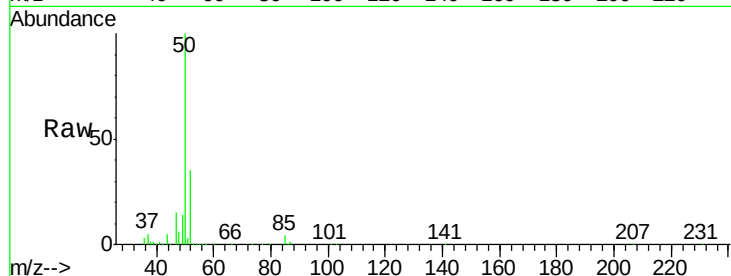
52 34.5 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 77.31 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059306.D

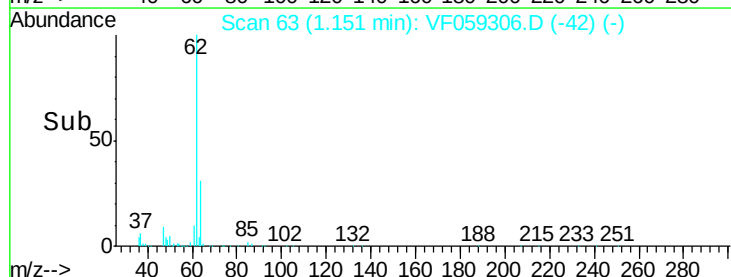
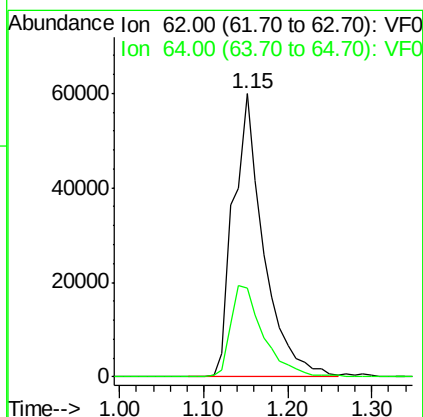
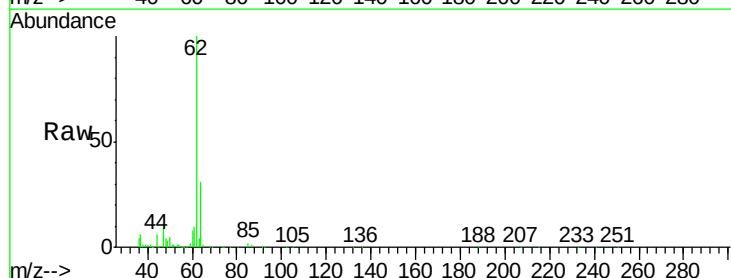
Acq: 25 Jun 2018 17:09

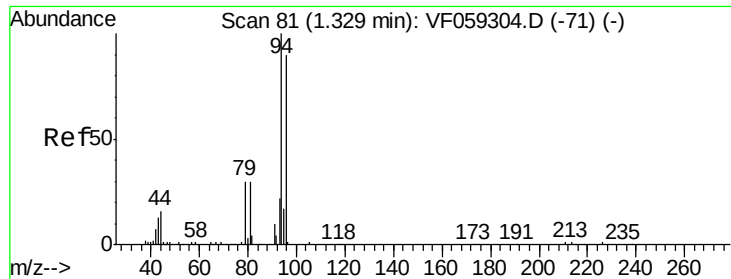
Tgt Ion: 62 Resp: 150508

Ion Ratio Lower Upper

62 100

64 31.3 26.3 39.5





#5

Bromomethane

Concen: 65.00 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 86331

Ion Ratio Lower Upper

94 100

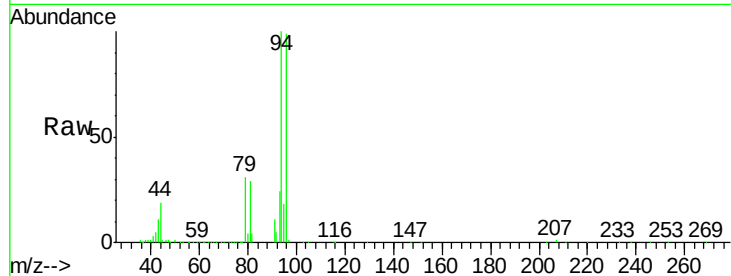
96 99.3 73.4 110.0

Manual Integrations

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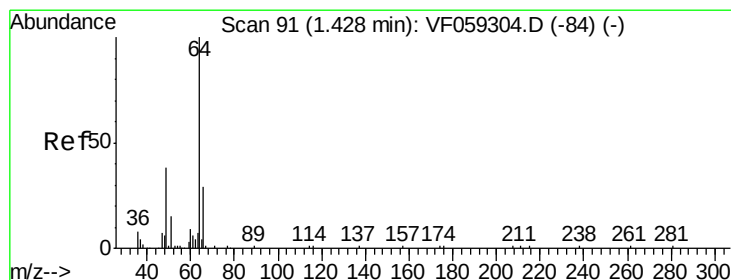
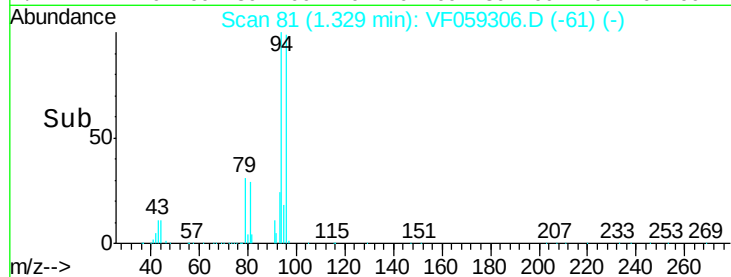
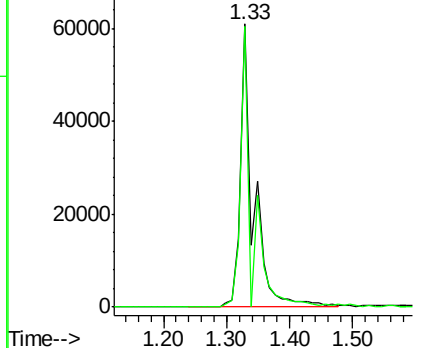
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 86.80 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059306.D

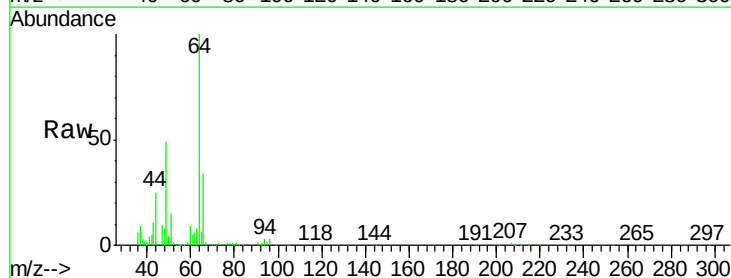
Acq: 25 Jun 2018 17:09

Tgt Ion: 64 Resp: 82732

Ion Ratio Lower Upper

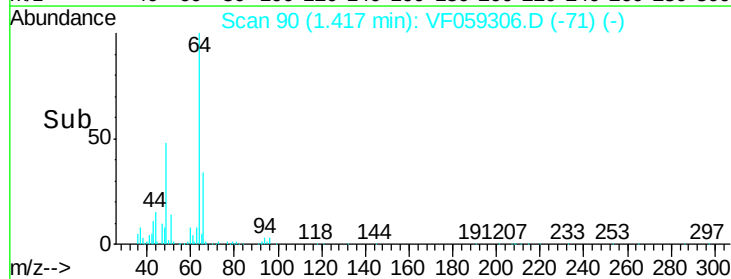
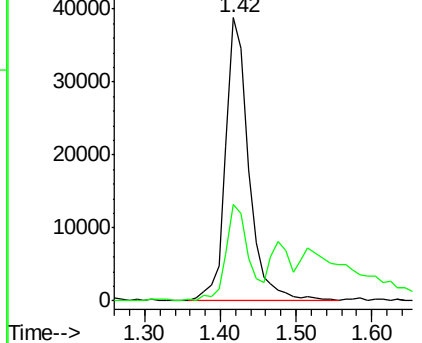
64 100

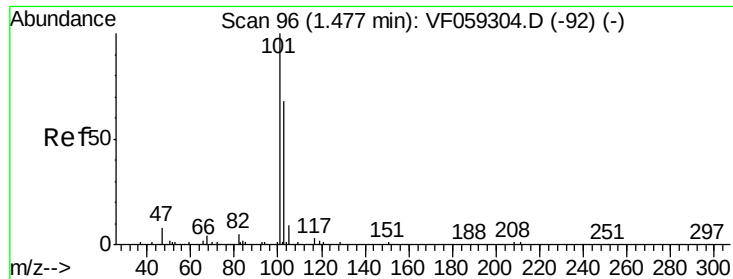
66 34.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

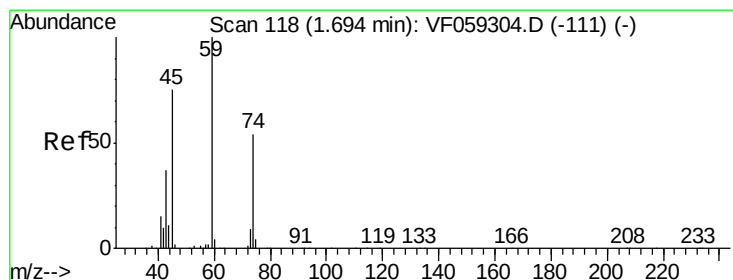
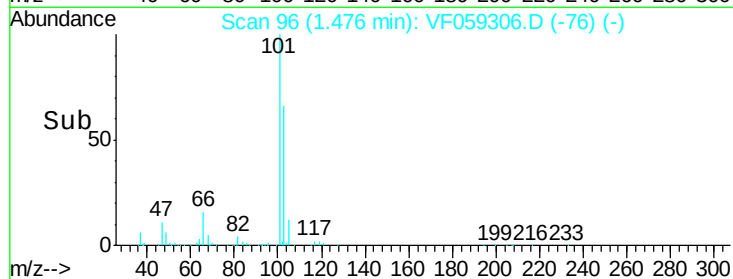
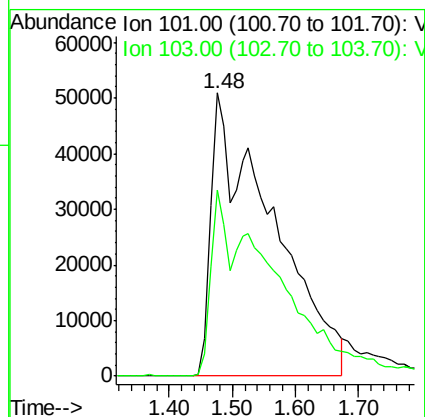
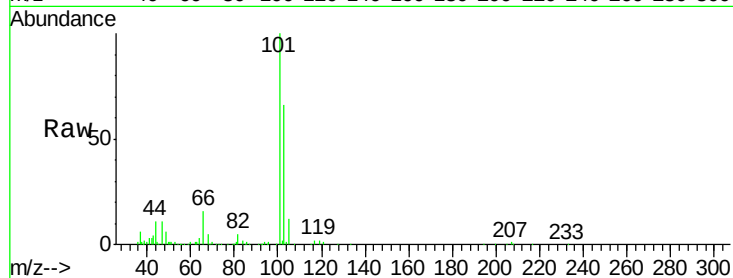
Trichlorofluoromethane
Concen: 88.63 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	54.2	81.2

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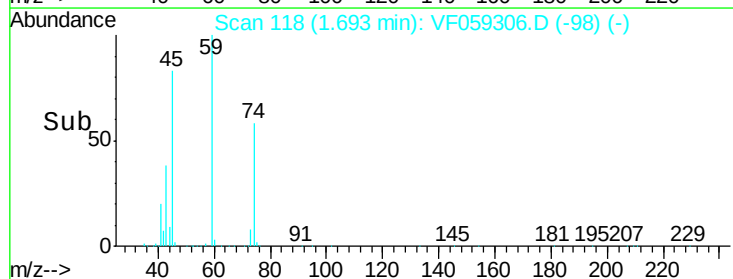
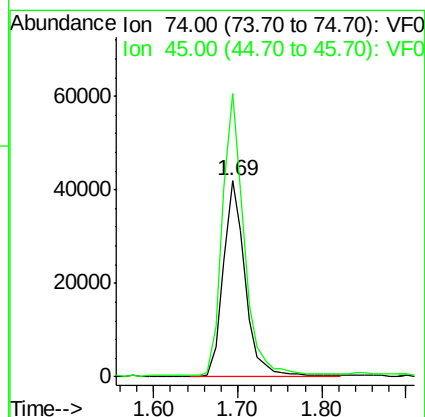
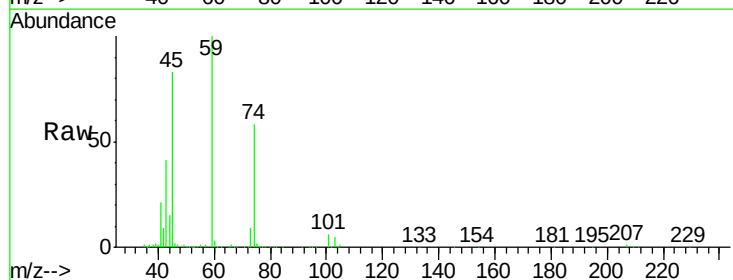
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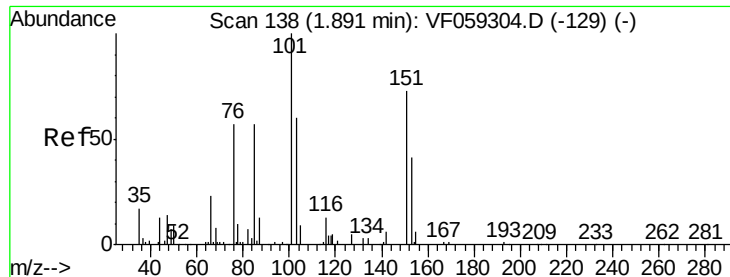


#8

Diethyl Ether
Concen: 86.28 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.3	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.82 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

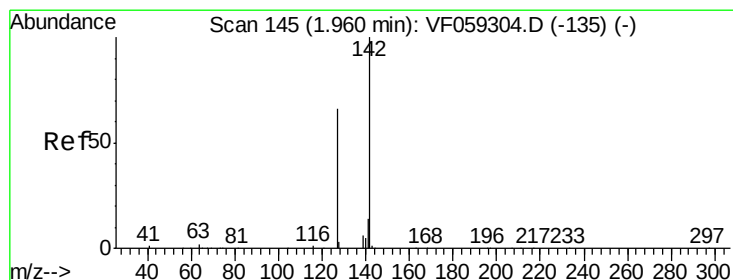
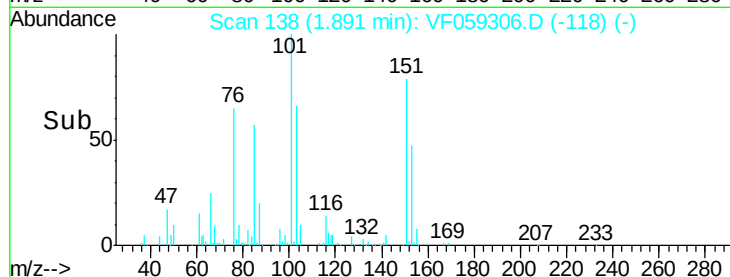
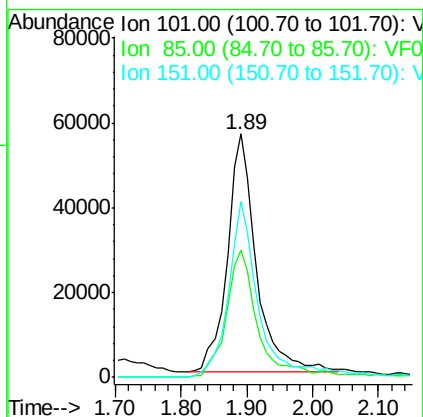
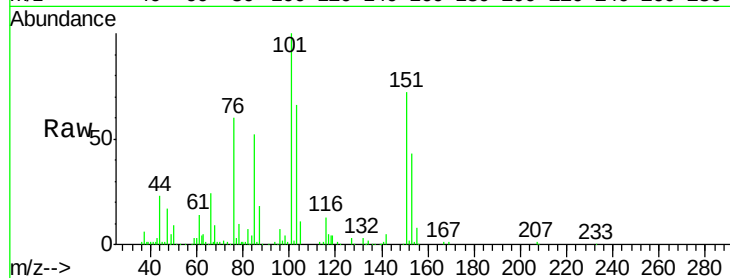
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	174132
Ion Ratio	Lower	Upper	
101	100		
85	52.4	44.5	66.7
151	72.1	56.8	85.2

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#10

Methyl Iodide

Concen: 86.63 ug/l

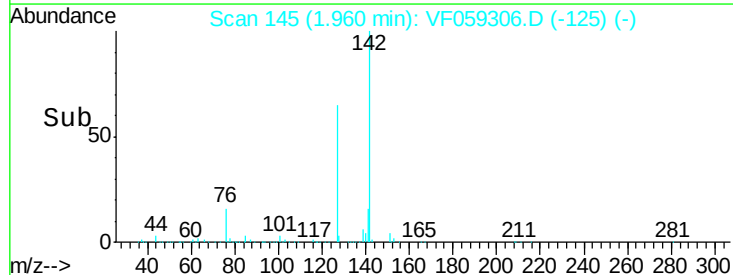
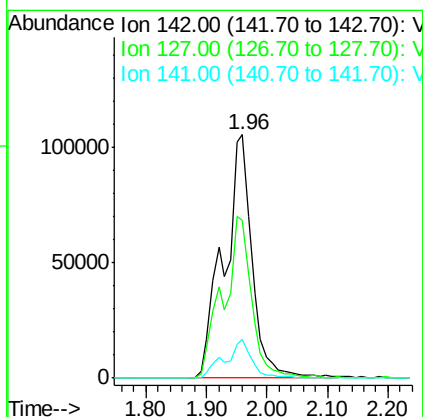
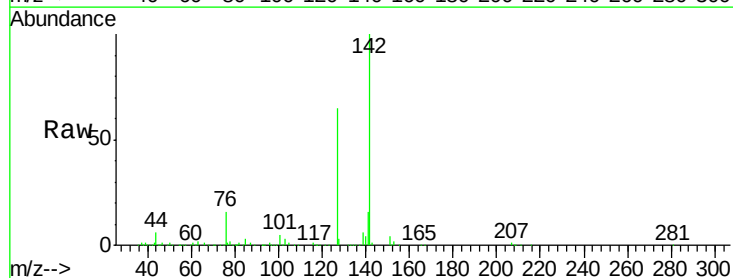
RT: 1.96 min Scan# 145

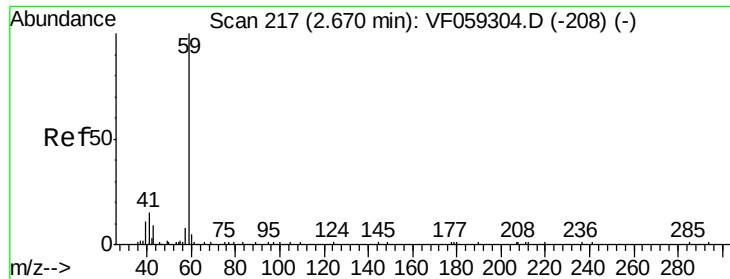
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	142	Resp:	342292
Ion Ratio	Lower	Upper	
142	100		
127	65.1	52.5	78.7
141	15.7	11.5	17.3





#11

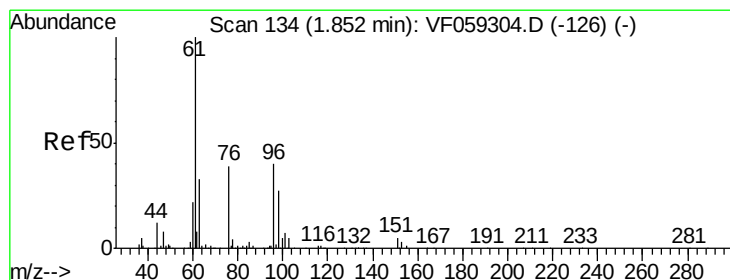
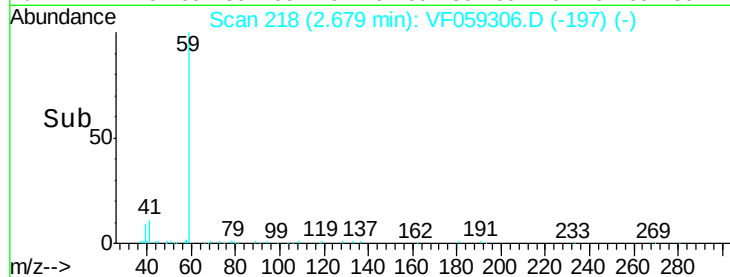
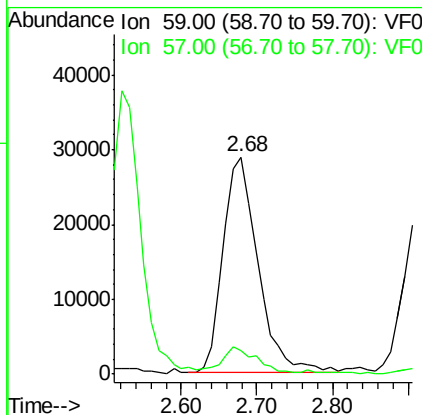
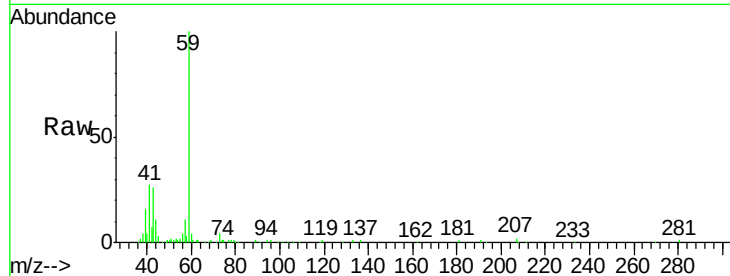
Tert butyl alcohol
Concen: 392.33 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

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

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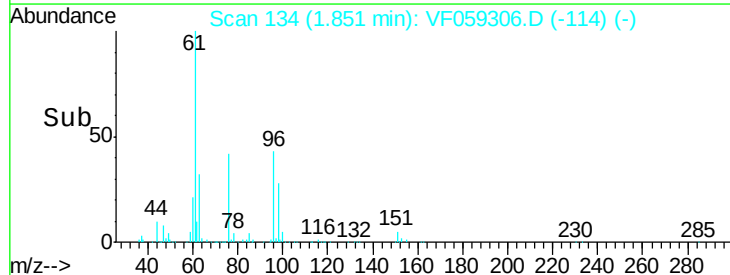
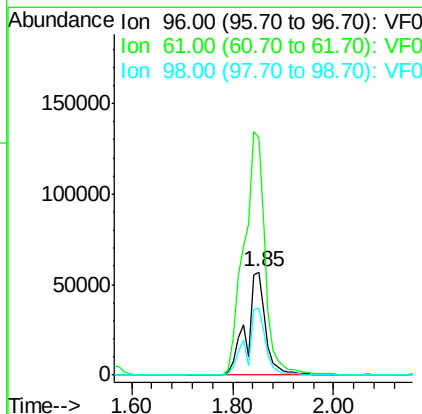
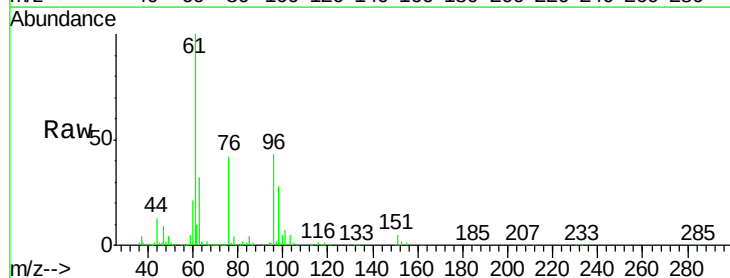
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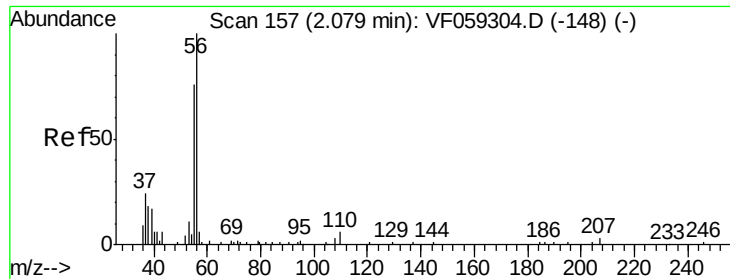


#12

1,1-Dichloroethene
Concen: 77.55 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	230.0	201.1	301.7
98	64.7	53.9	80.9





#13

Acrolein

Concen: 268.09 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 50571

Ion Ratio Lower Upper

56 100

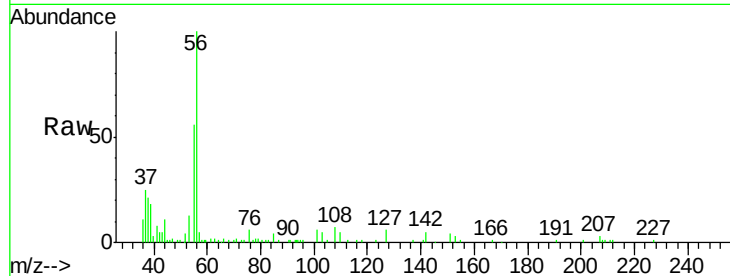
55 56.0 62.4 93.6#

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

25000

20000

15000

10000

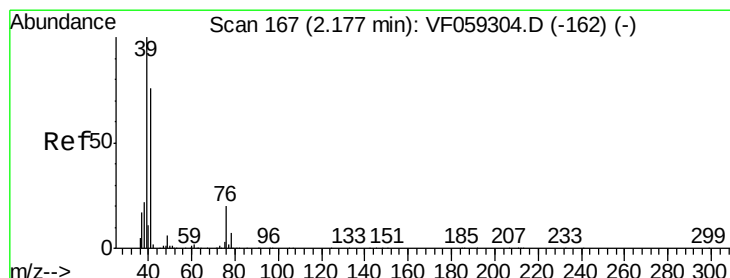
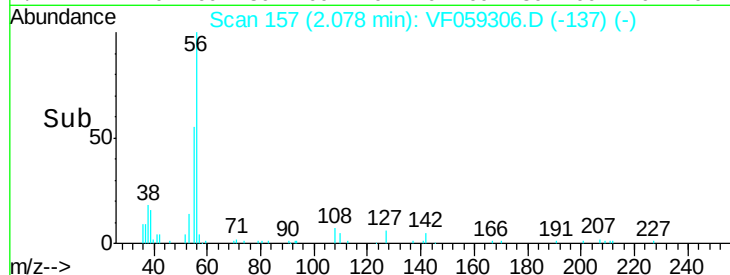
5000

0

Time-->

2.00 2.10 2.20 2.30

2.08



#14

Allyl chloride

Concen: 87.78 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

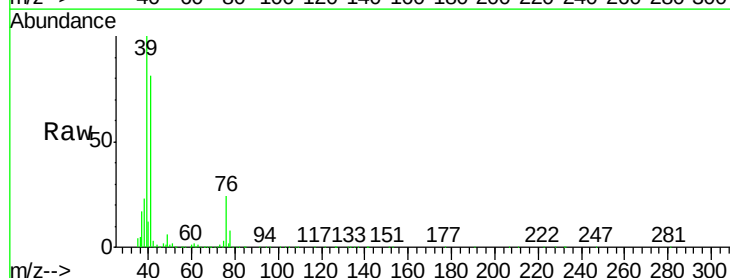
Tgt Ion: 41 Resp: 313223

Ion Ratio Lower Upper

41 100

39 123.7 105.6 158.4

76 29.5 21.6 32.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

250000

200000

150000

100000

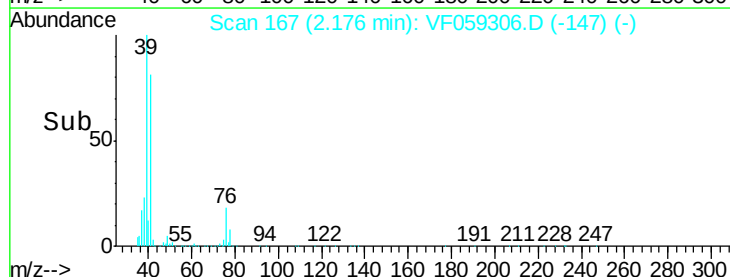
50000

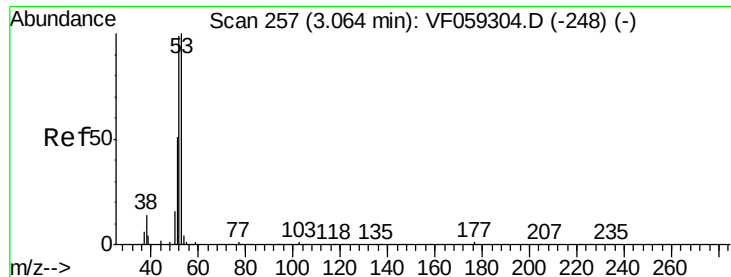
0

Time-->

2.10 2.20 2.30

2.18





#15

Acrylonitrile

Concen: 397.24 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

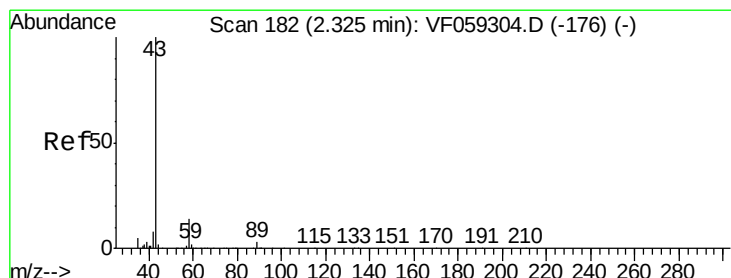
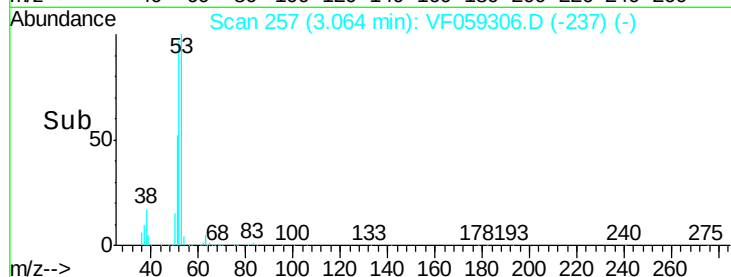
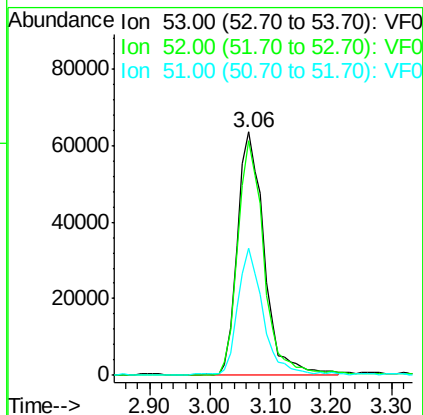
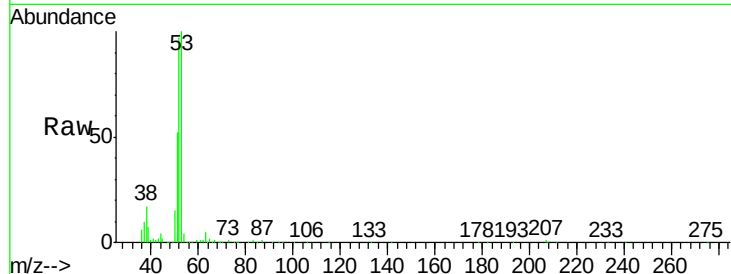
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	194411
Ion	Ratio	Lower	Upper
53	100		
52	96.5	79.2	118.8
51	52.1	40.9	61.3

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#16

Acetone

Concen: 433.91 ug/l

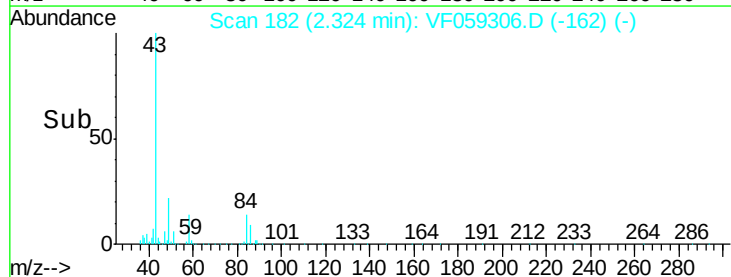
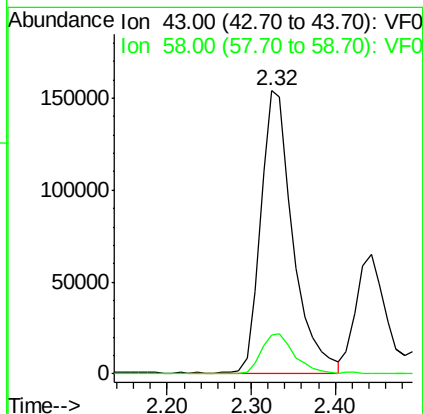
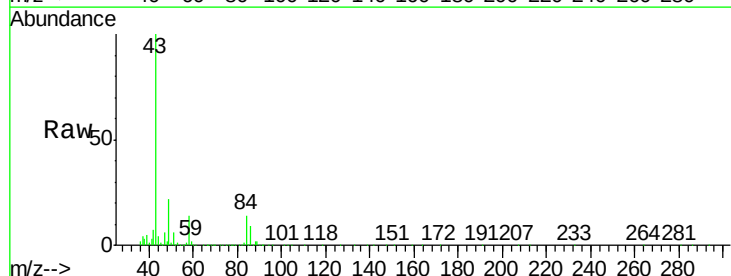
RT: 2.32 min Scan# 182

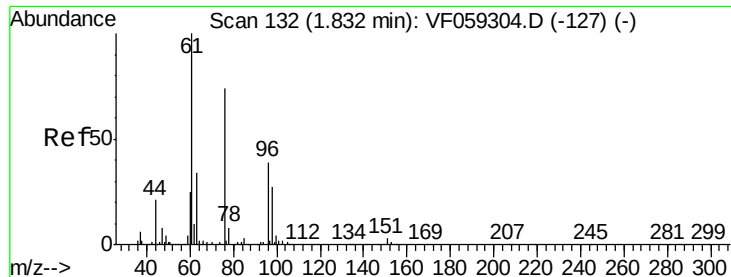
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	43	Resp:	412433
Ion	Ratio	Lower	Upper
43	100		
58	13.8	11.4	17.0





#17

Carbon Disulfide

Concen: 80.61 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 374239

Ion Ratio Lower Upper

76 100

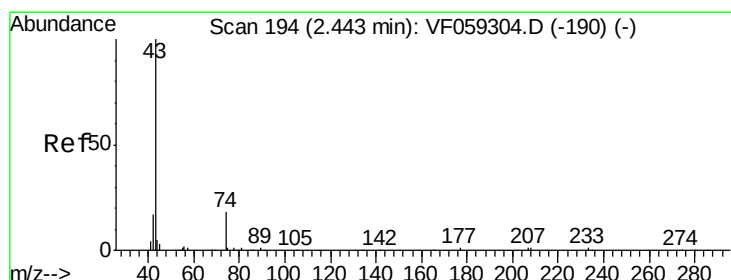
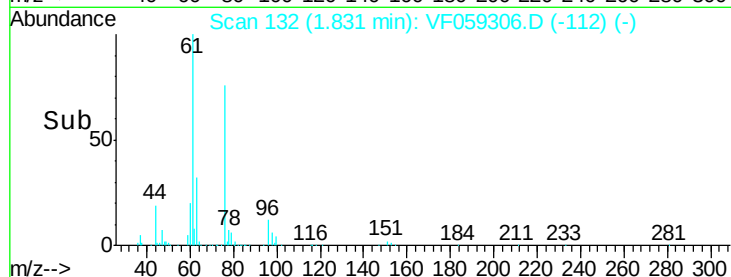
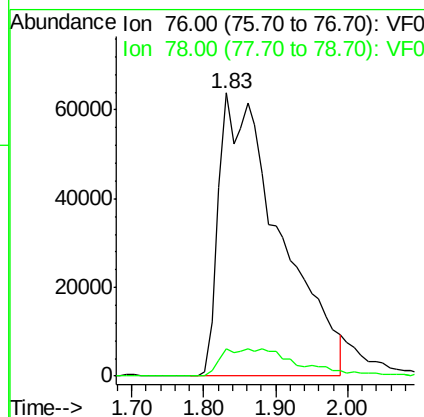
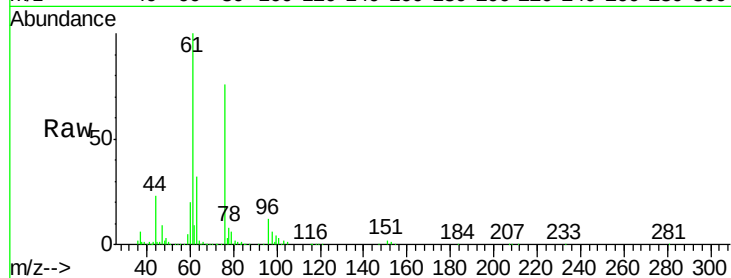
78 9.9 8.9 13.3

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#18

Methyl Acetate

Concen: 83.57 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059306.D

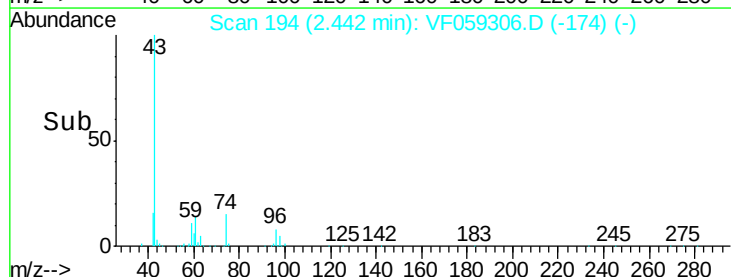
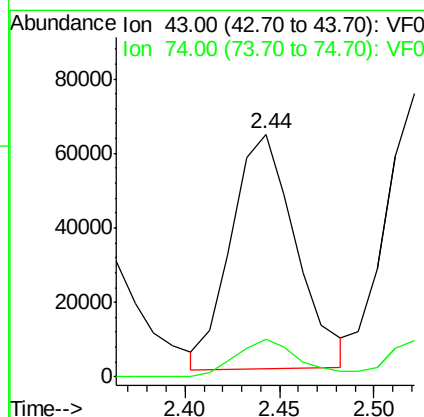
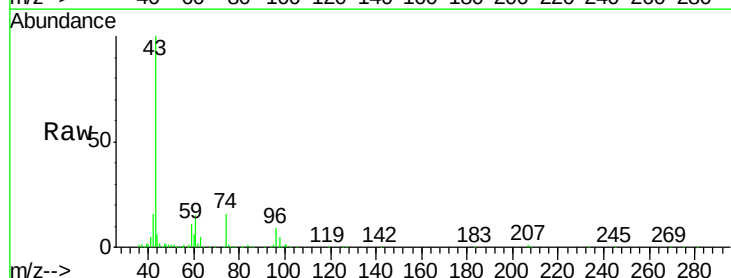
Acq: 25 Jun 2018 17:09

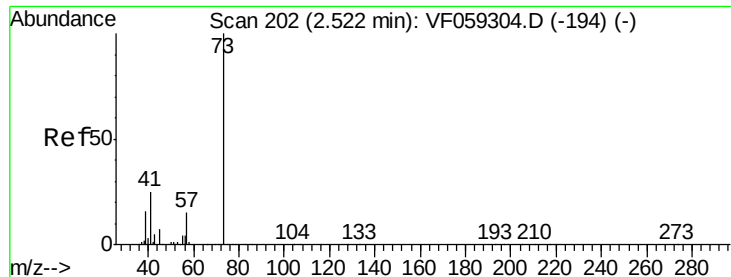
Tgt Ion: 43 Resp: 149720

Ion Ratio Lower Upper

43 100

74 15.5 13.3 19.9





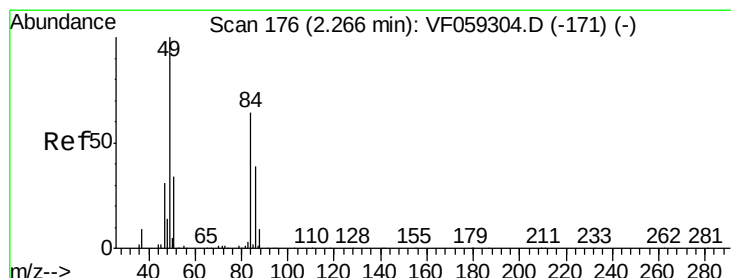
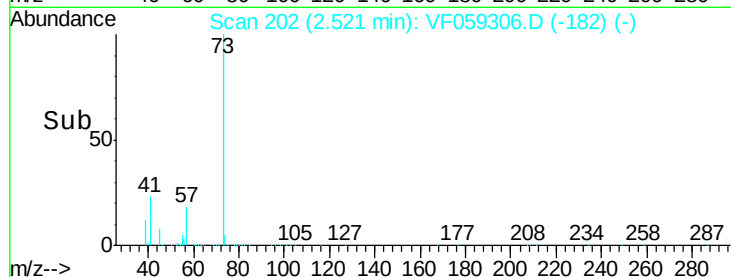
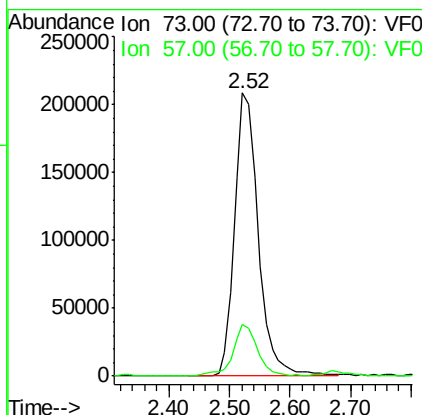
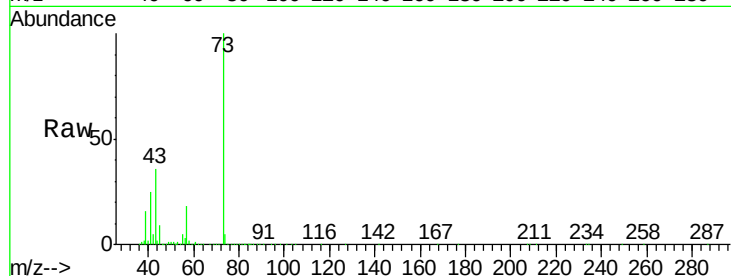
#19
Methyl tert-butyl Ether
Concen: 87.82 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	12.3	18.5

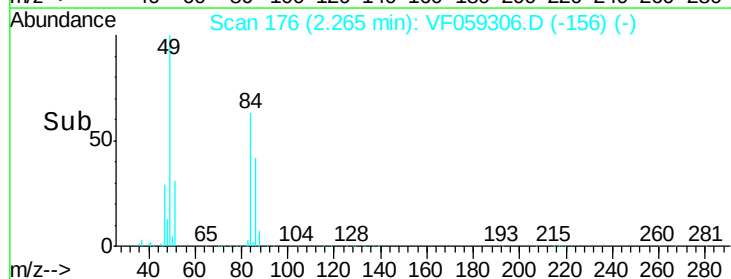
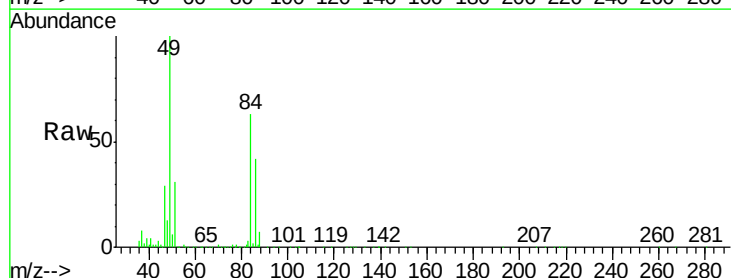
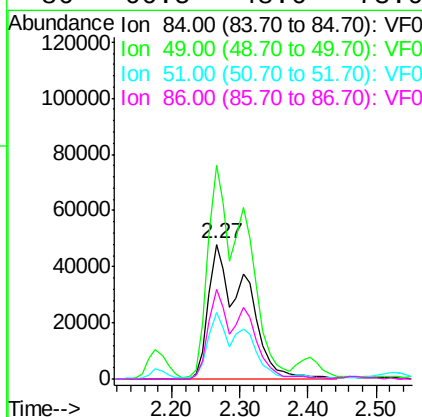
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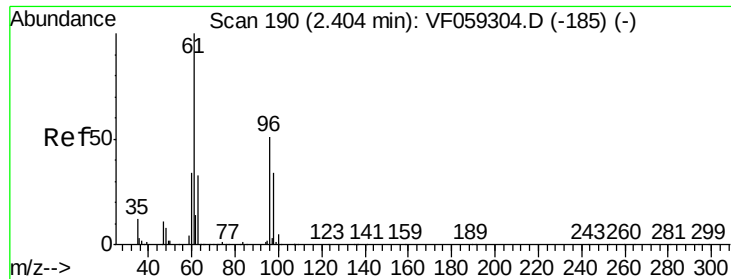
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#20
Methylene Chloride
Concen: 87.85 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.4	126.5	189.7
51	49.4	42.9	64.3
86	66.5	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 88.18 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

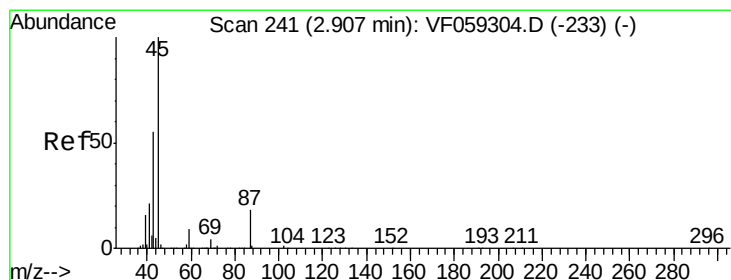
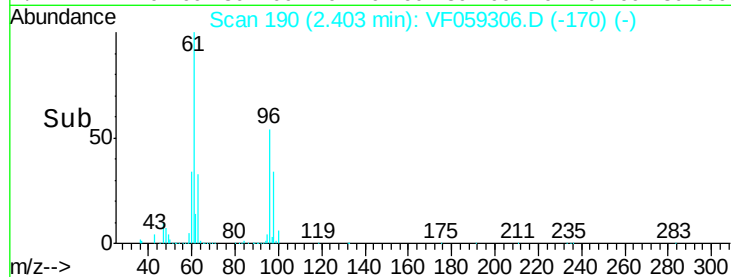
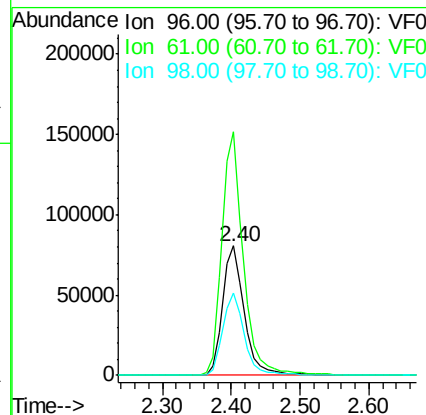
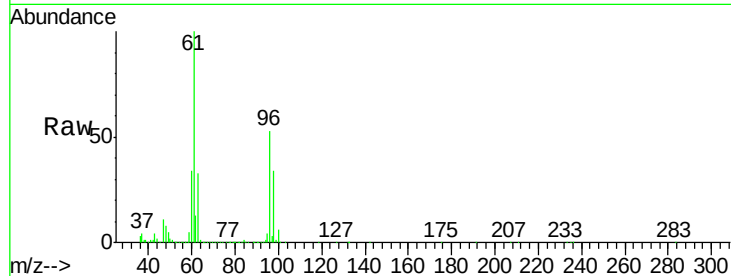
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	174888
Ion	Ratio	Lower	Upper
96	100		
61	187.9	157.4	236.2
98	63.6	53.7	80.5

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#22

Diisopropyl ether

Concen: 85.83 ug/l

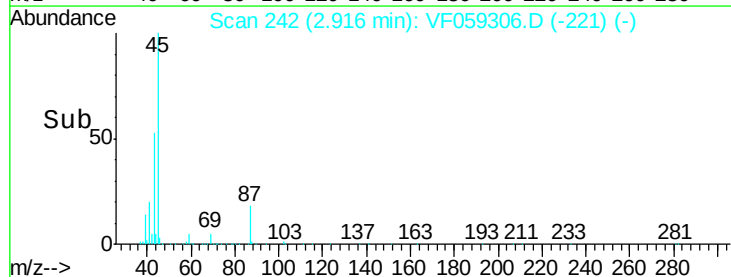
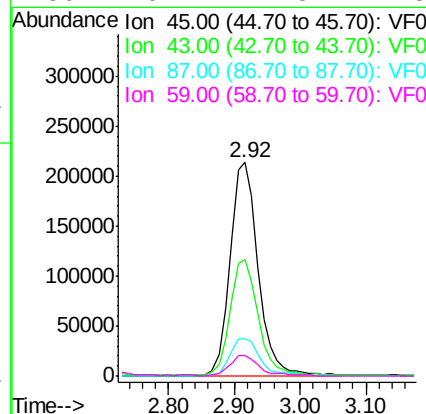
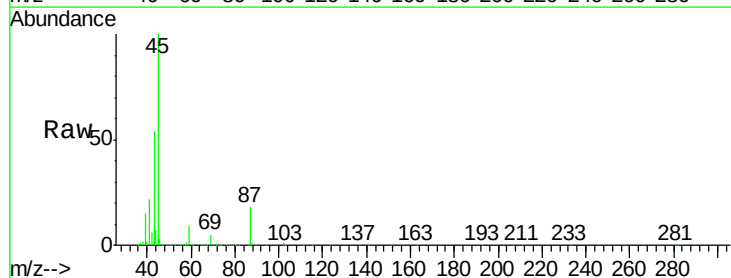
RT: 2.92 min Scan# 242

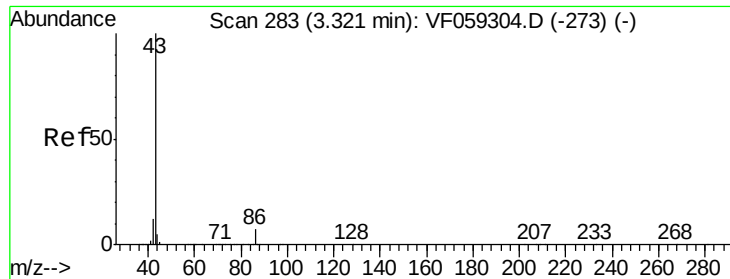
Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	45	Resp:	636689
Ion	Ratio	Lower	Upper
45	100		
43	54.5	44.6	66.8
87	17.6	14.3	21.5
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 421.23 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2001753

Ion Ratio Lower Upper

43 100

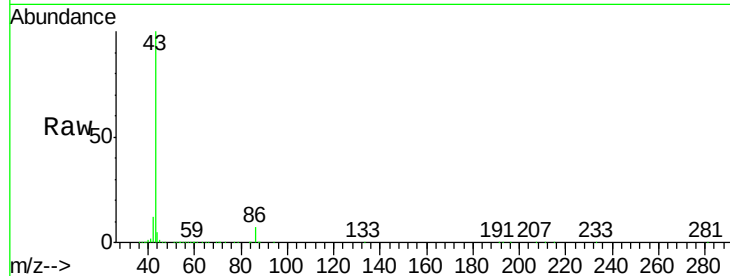
86 7.3 5.8 8.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

800000

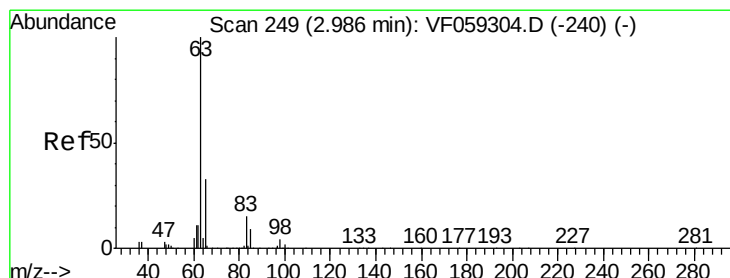
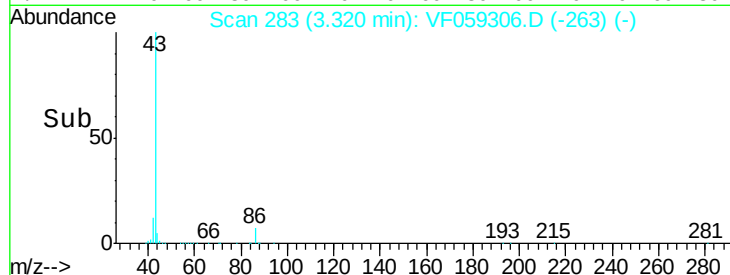
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 84.64 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

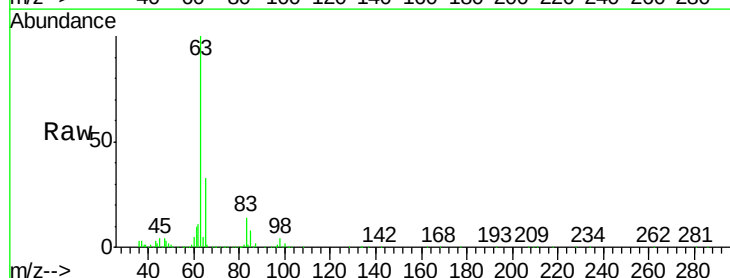
Tgt Ion: 63 Resp: 405450

Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.3 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200000

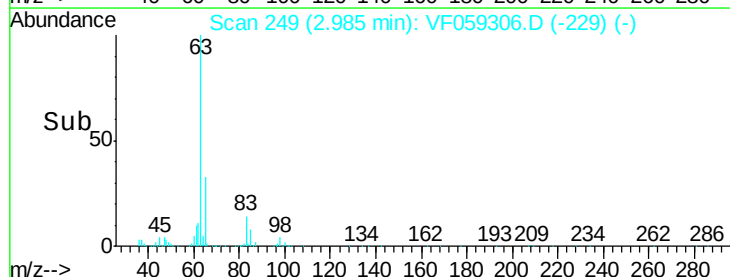
150000

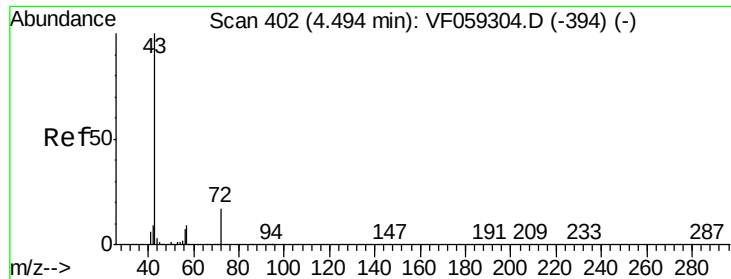
100000

50000

0

Time-->





#25

2-Butanone

Concen: 401.78 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 498462

Ion Ratio Lower Upper

43 100

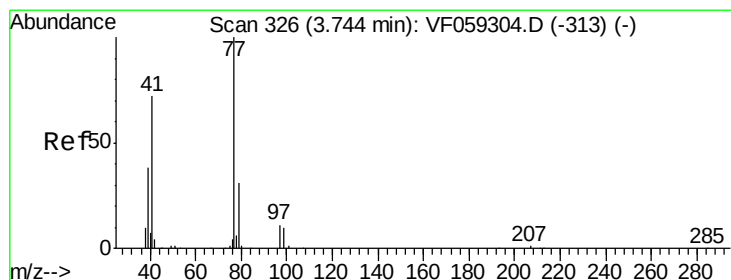
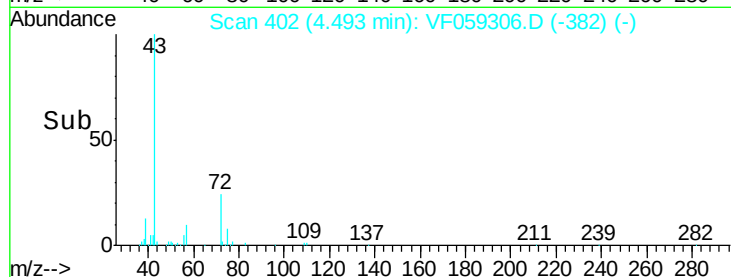
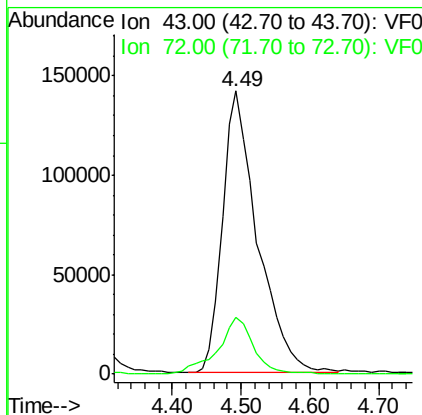
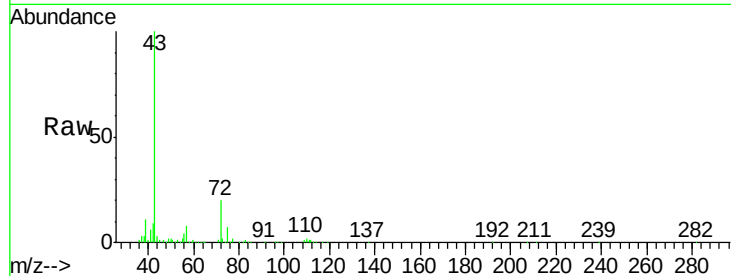
72 20.2 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 65.74 ug/l m

RT: 3.75 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059306.D

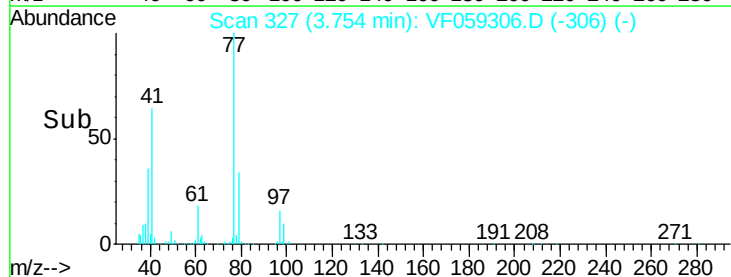
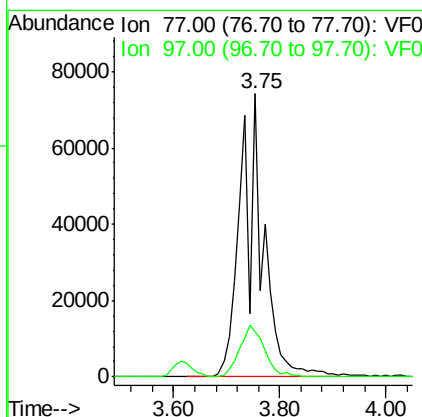
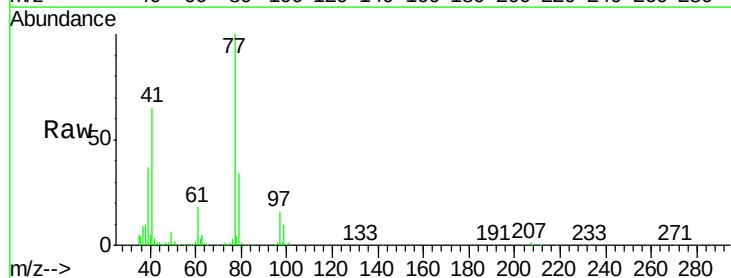
Acq: 25 Jun 2018 17:09

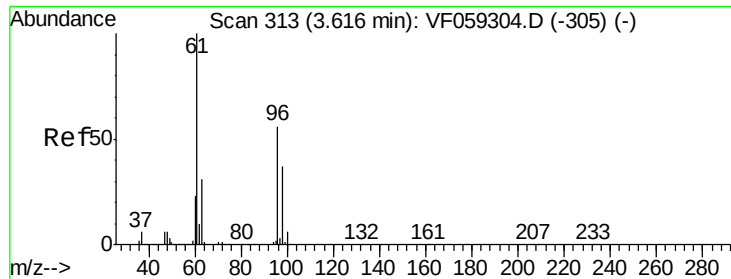
Tgt Ion: 77 Resp: 218268

Ion Ratio Lower Upper

77 100

97 16.0 8.0 23.8





#27

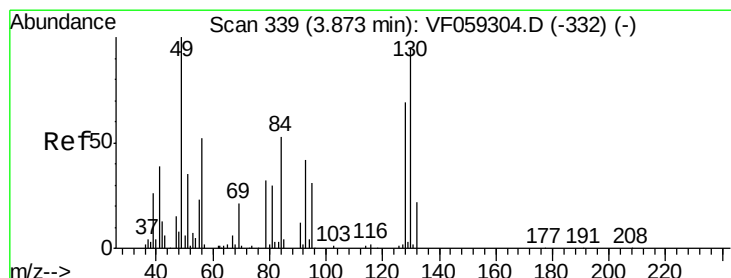
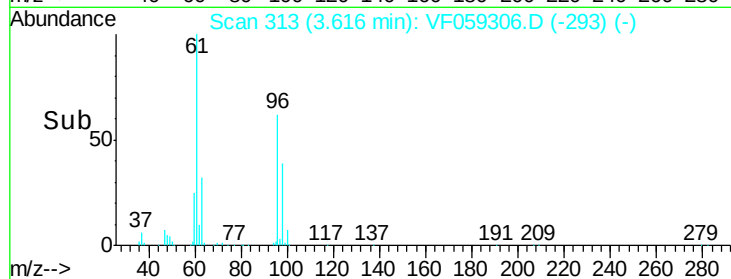
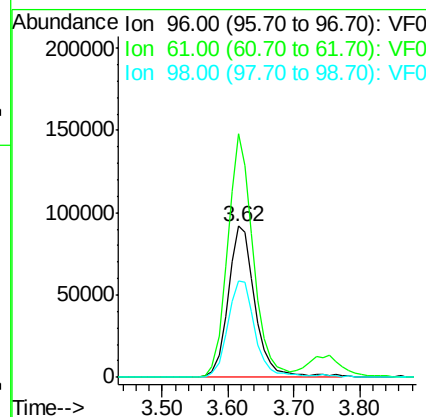
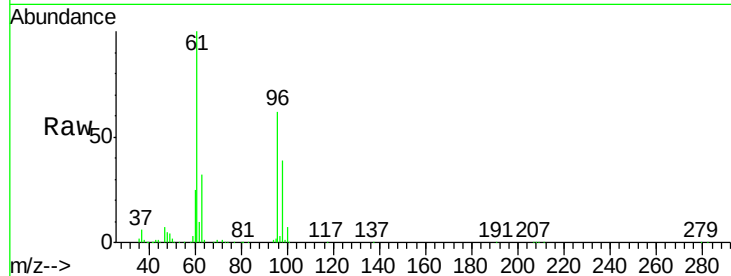
cis-1,2-Dichloroethene
Concen: 86.98 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262805		
61	160.9	0.0	355.4	
98	63.4	0.0	131.0	

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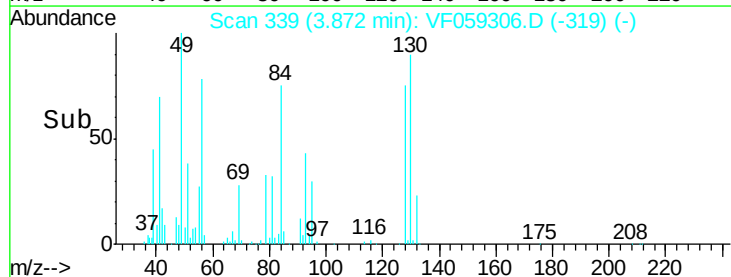
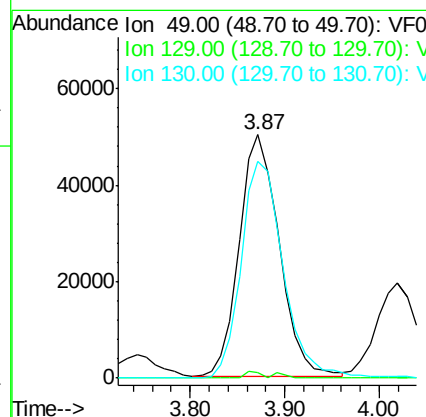
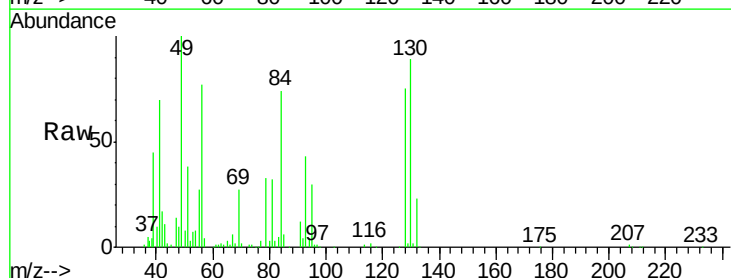
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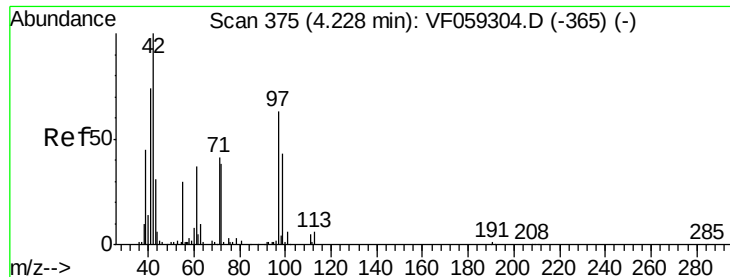


#28

Bromochloromethane
Concen: 73.41 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146928		
129	2.4	0.0	6.4	
130	89.2	75.1	112.7	





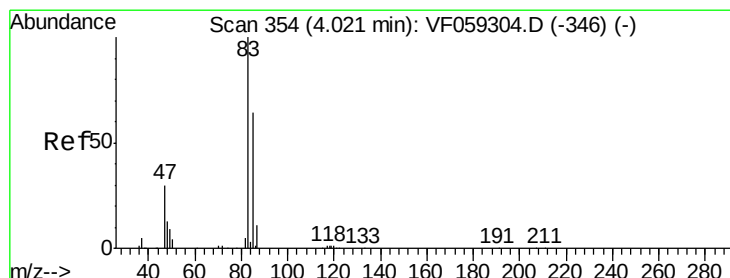
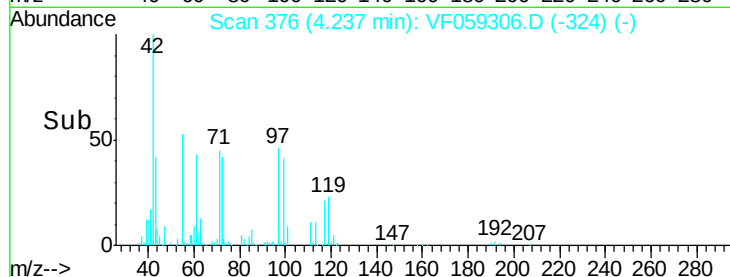
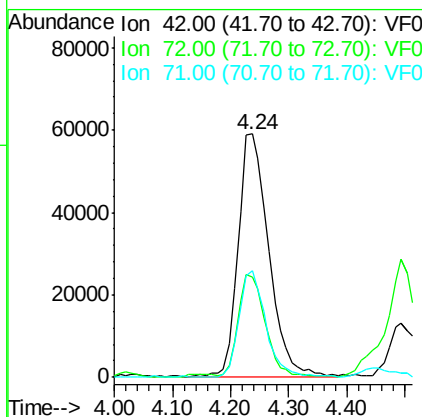
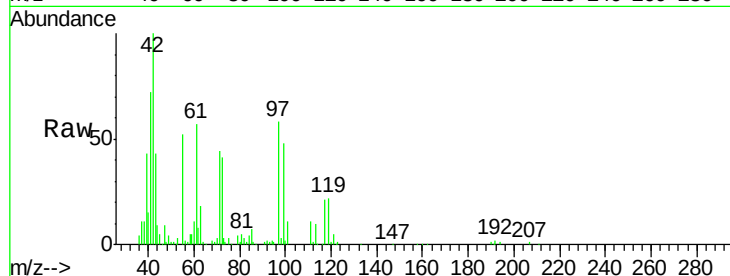
#29
Tetrahydrofuran
Concen: 386.31 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.5	45.7
71	39.0	32.5	48.7

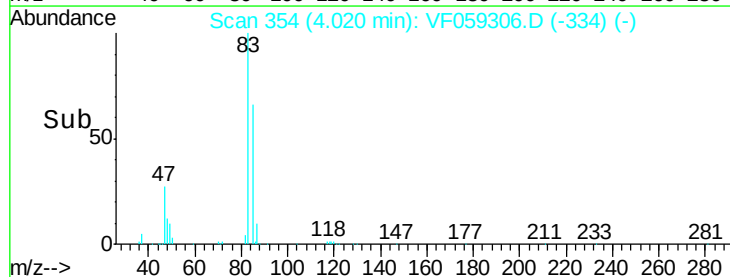
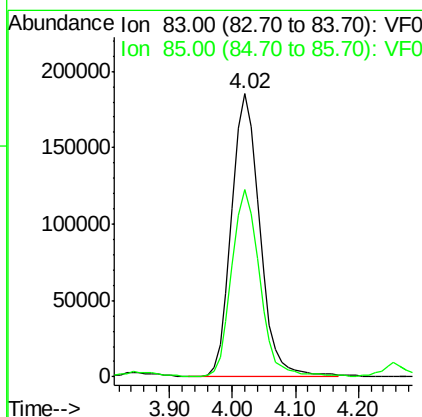
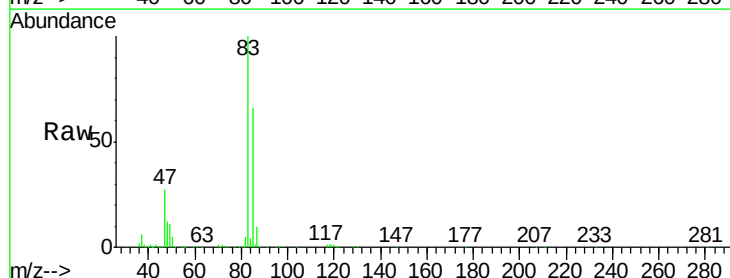
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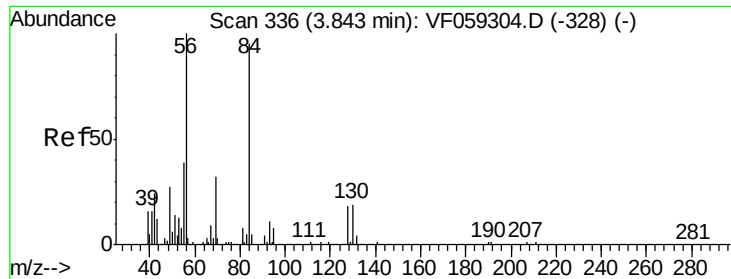
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#30
Chloroform
Concen: 83.66 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.3	76.9





#31

Cyclohexane

Concen: 76.94 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

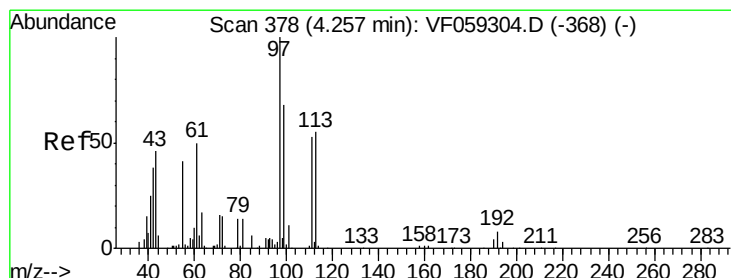
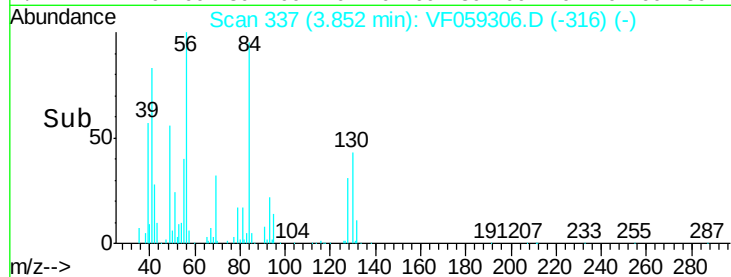
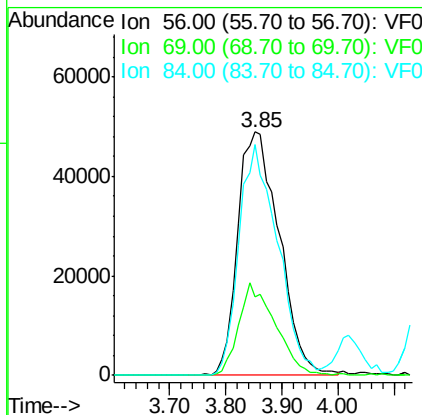
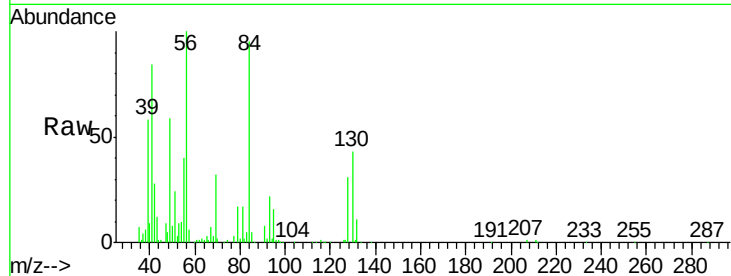
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	249723
Ion Ratio	Lower	Upper	
56	100		
69	32.4	25.8	38.8
84	95.0	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 77.38 ug/l

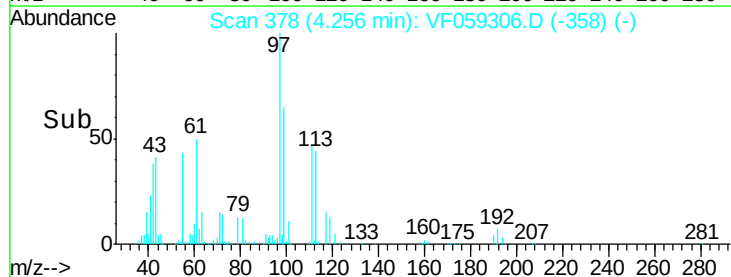
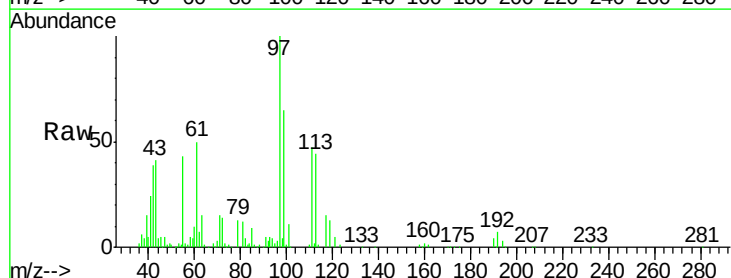
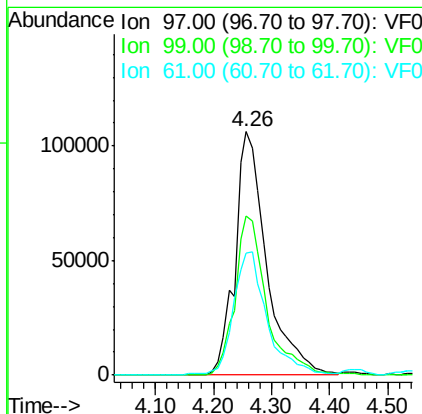
RT: 4.26 min Scan# 378

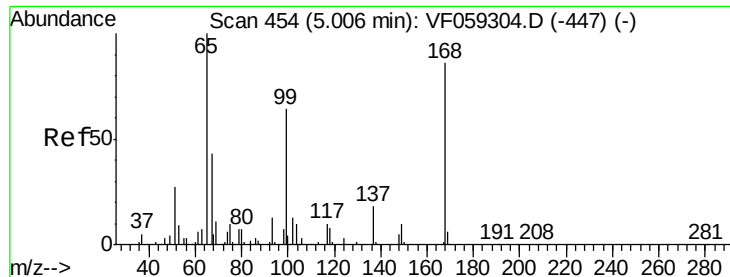
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	97	Resp:	401818
Ion Ratio	Lower	Upper	
97	100		
99	65.5	54.1	81.1
61	50.0	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 82.79 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

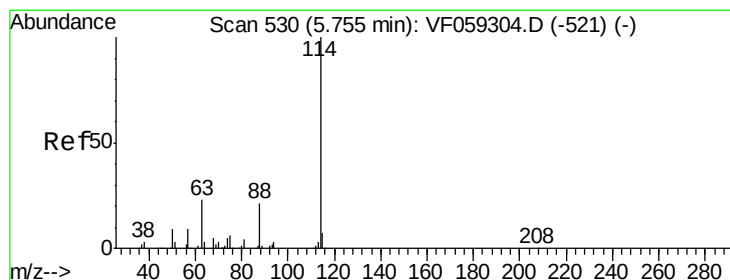
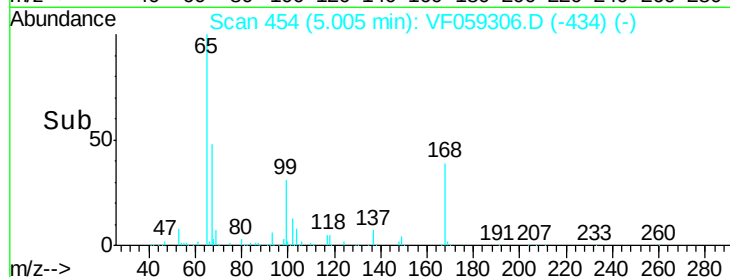
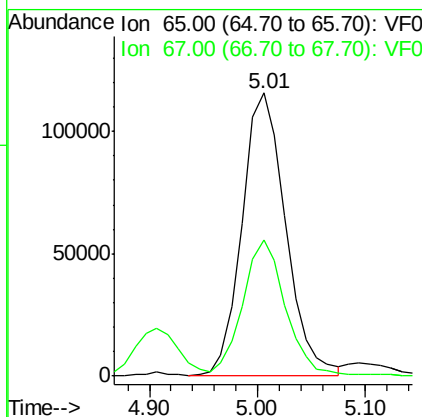
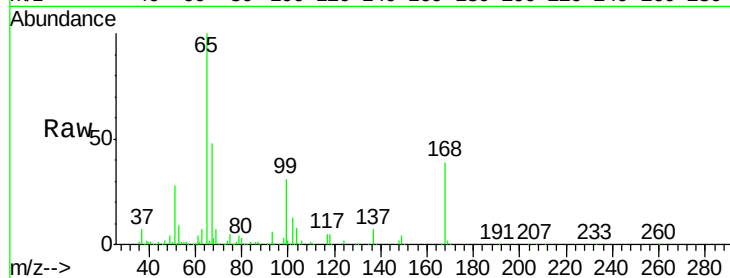
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322481		
67	48.0	0.0	96.8	

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

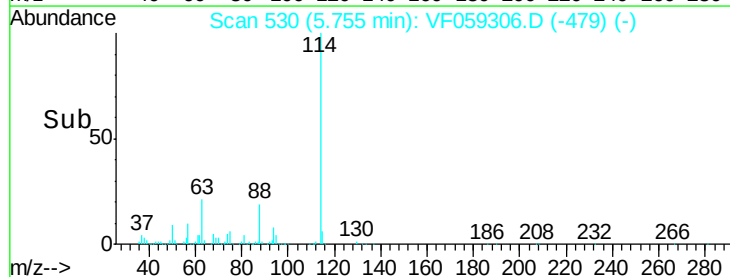
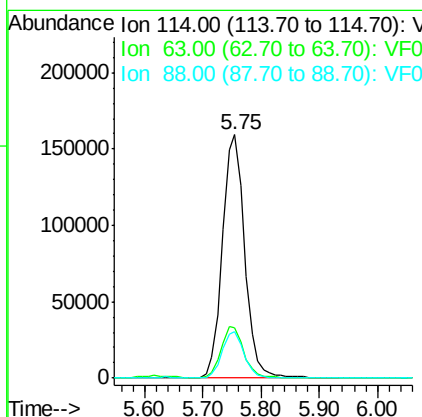
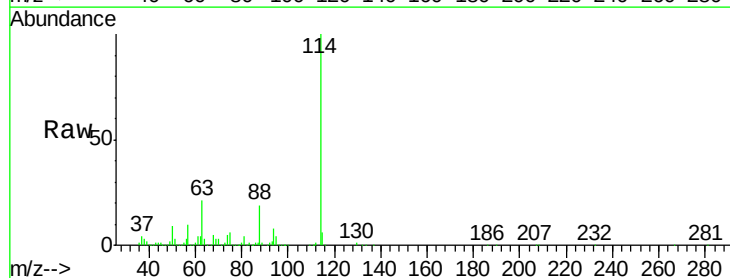
RT: 5.75 min Scan# 530

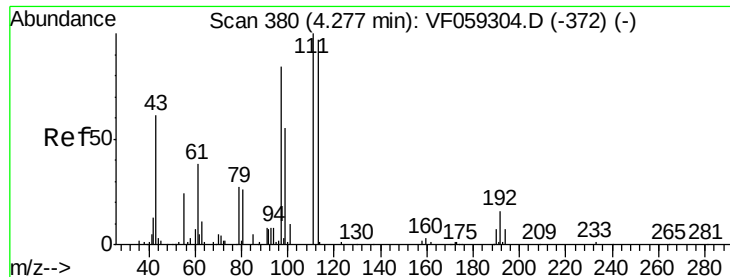
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424186		
63	20.9	0.0	45.8	
88	19.0	0.0	41.2	





#35

Dibromofluoromethane

Concen: 79.88 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

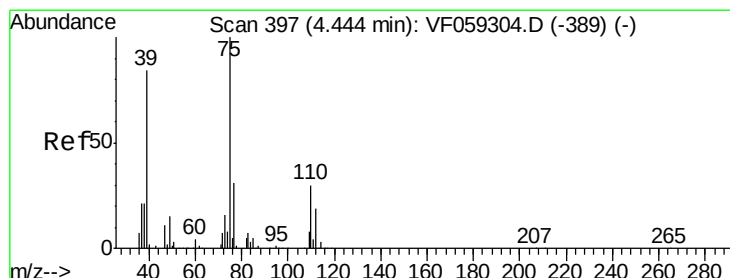
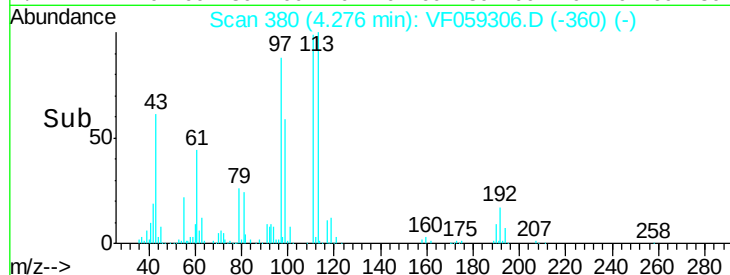
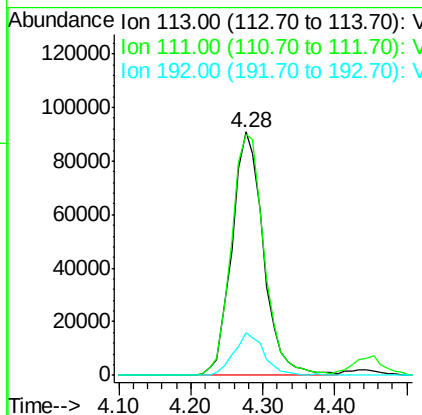
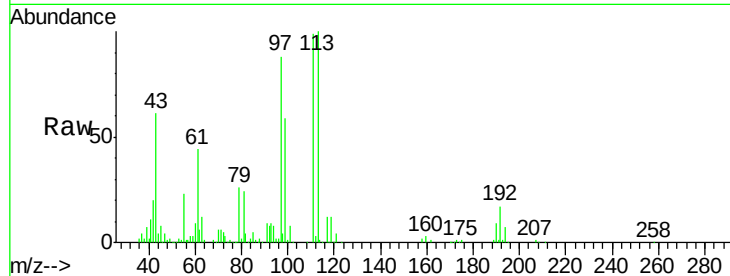
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	278403
Ion Ratio	Lower	Upper	
113	100		
111	99.0	82.1	123.1
192	17.3	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 83.68 ug/l

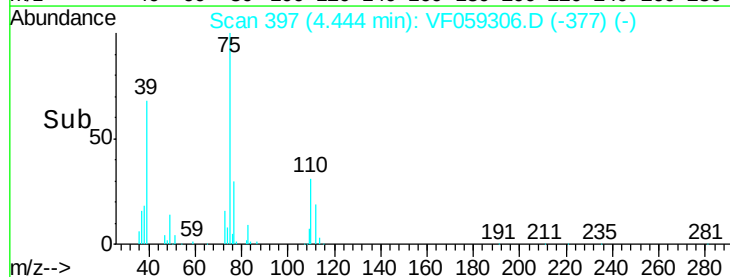
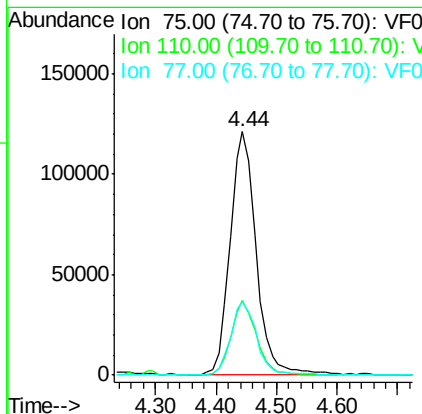
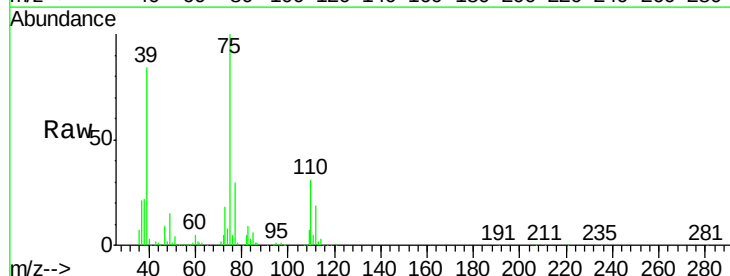
RT: 4.44 min Scan# 397

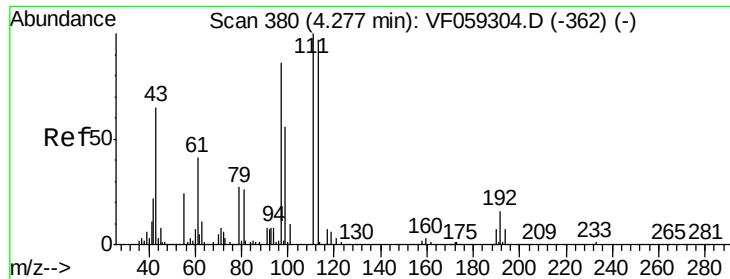
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	75	Resp:	359348
Ion Ratio	Lower	Upper	
75	100		
110	30.6	14.8	44.4
77	30.1	25.2	37.8





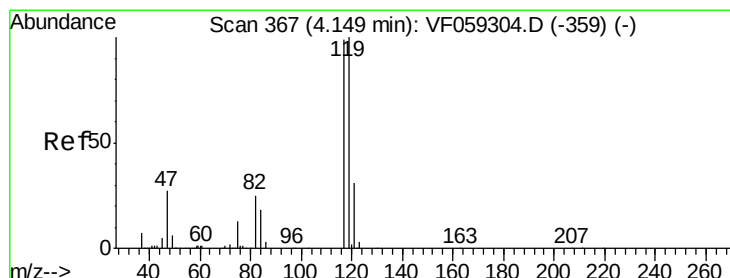
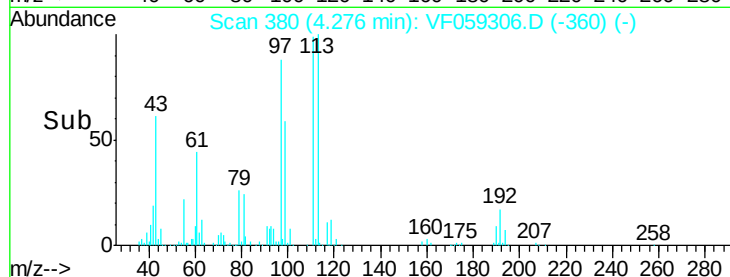
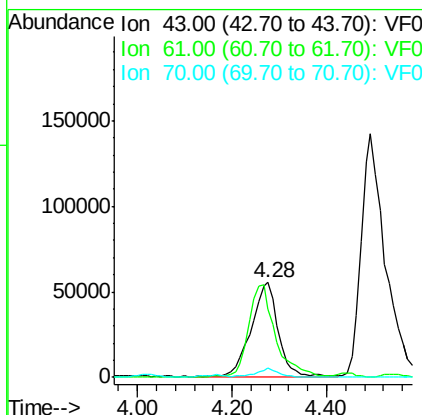
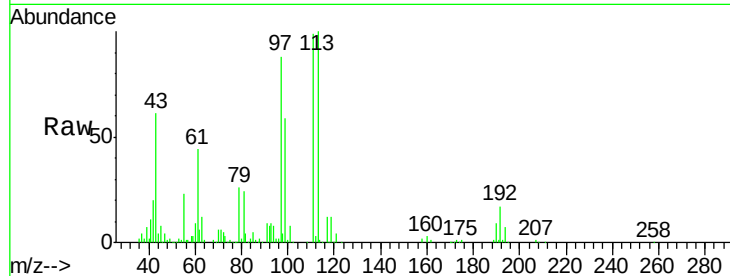
#37
Ethyl Acetate
Concen: 77.44 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.7	50.1	75.1
70	9.4	6.2	9.4

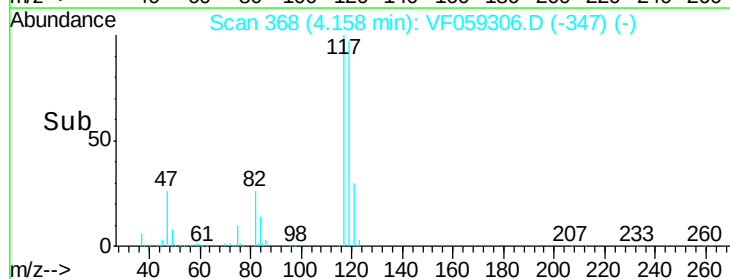
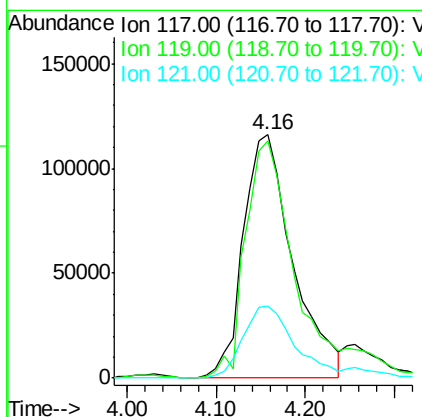
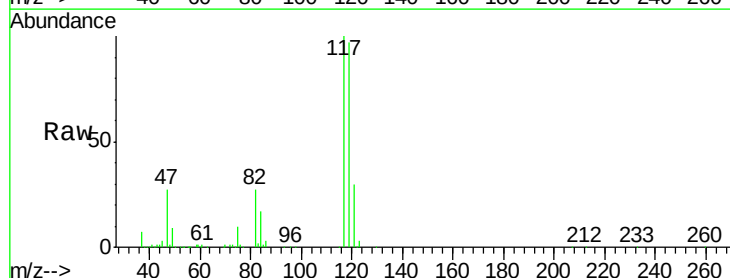
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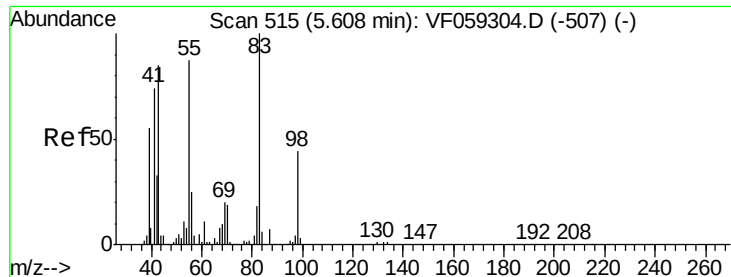
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#38
Carbon Tetrachloride
Concen: 83.86 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	81.0	121.4
121	29.6	24.7	37.1





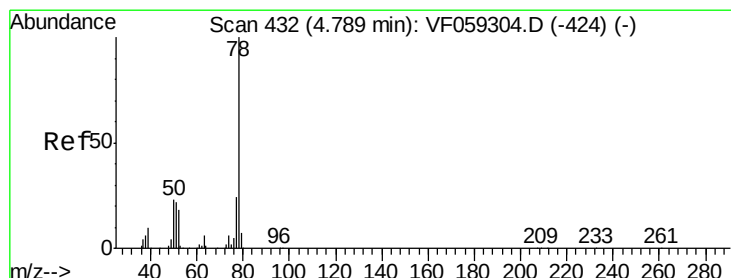
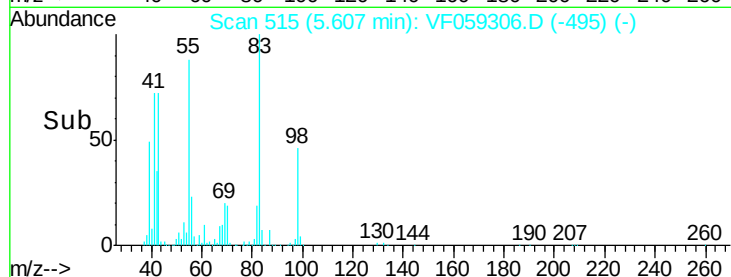
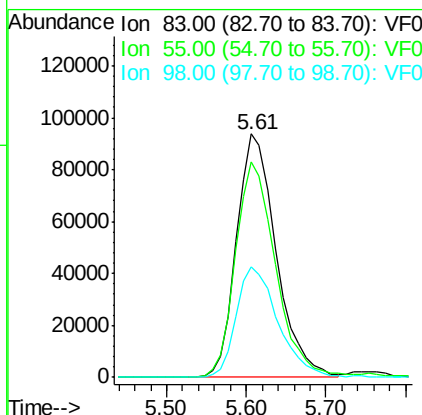
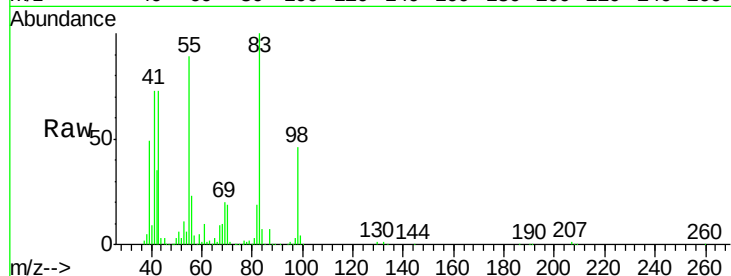
#39
Methylvlcyclohexane
Concen: 84.00 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	69.2	103.8
98	45.6	35.0	52.6

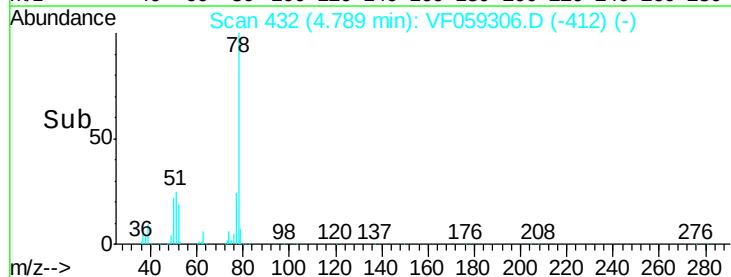
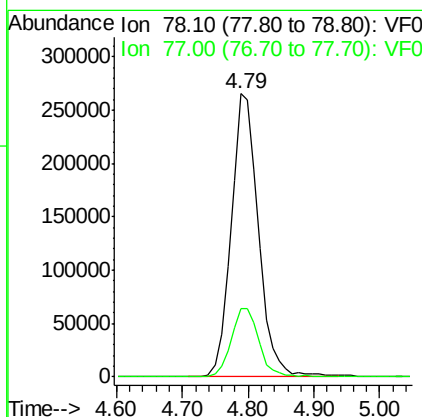
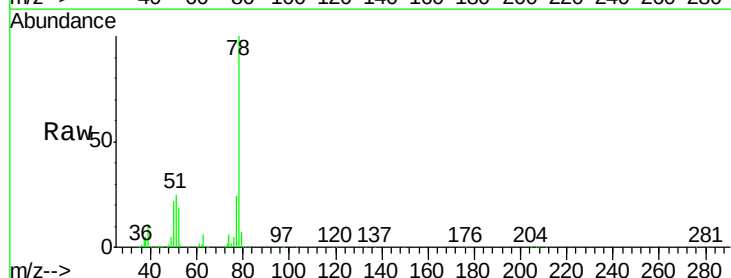
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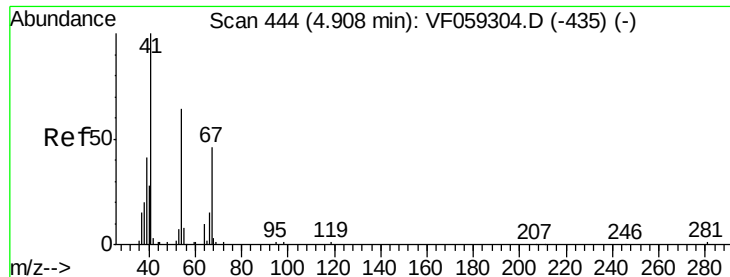
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#40
Benzene
Concen: 83.97 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





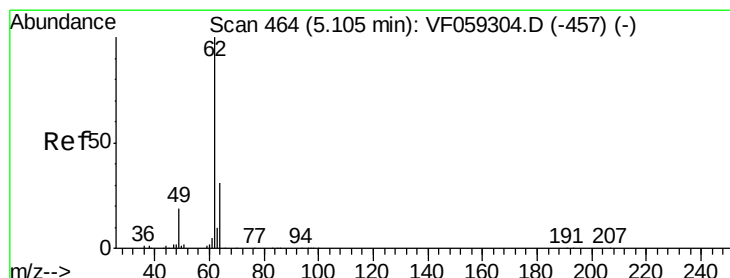
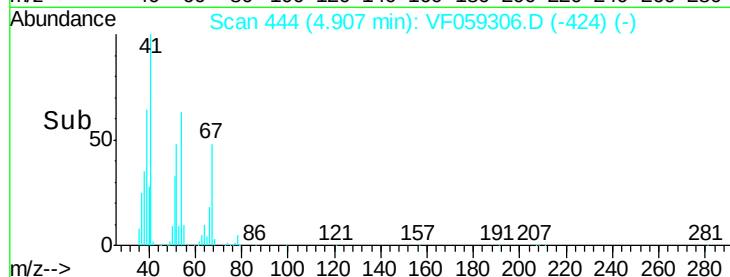
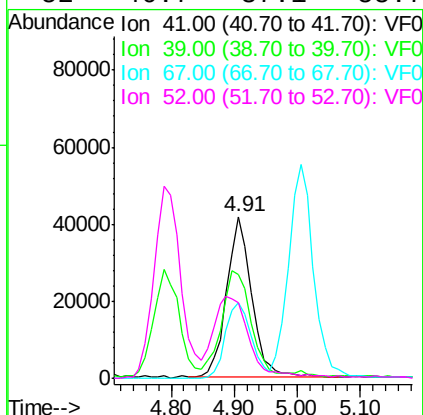
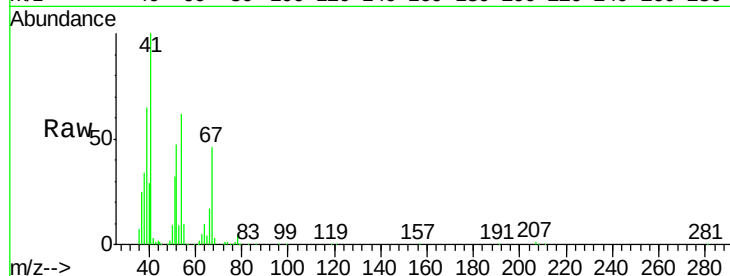
#41
Methacrylonitrile
Concen: 85.14 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	114428
Ion	Ratio	Lower	Upper
41	100		
39	64.5	50.0	75.0
67	46.4	37.0	55.6
52	46.7	37.1	55.7

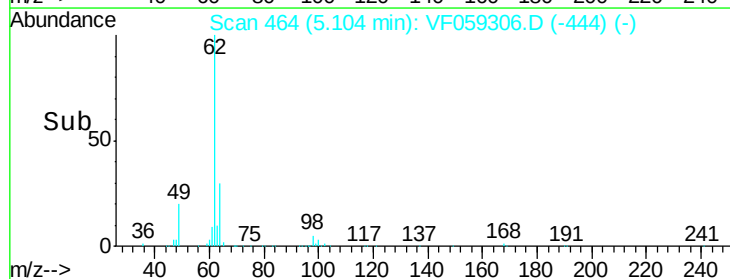
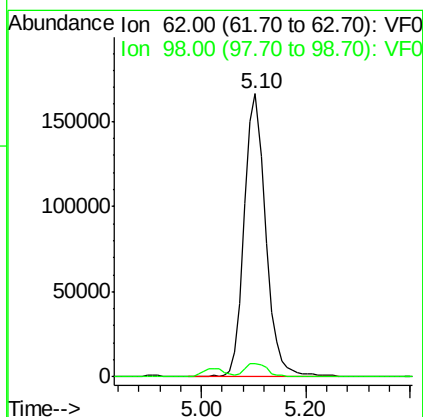
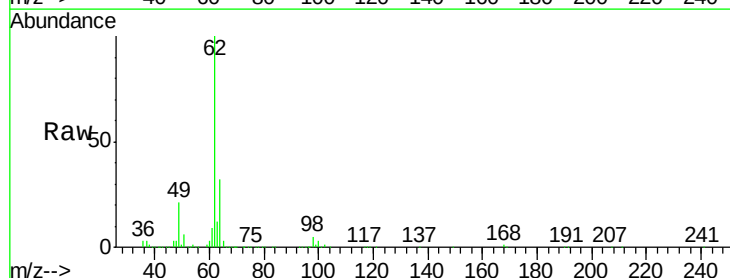
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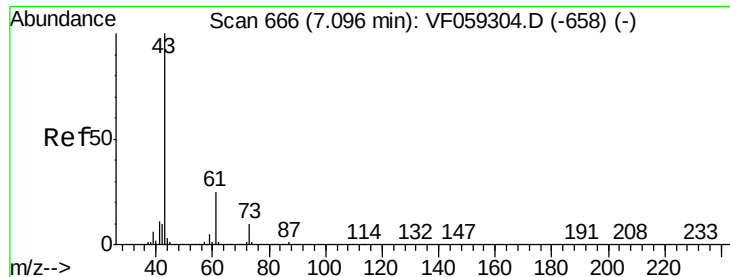
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#42
1,2-Dichloroethane
Concen: 87.41 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	62	Resp	461132
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	11.4





#43

Isopropyl Acetate

Concen: 87.86 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

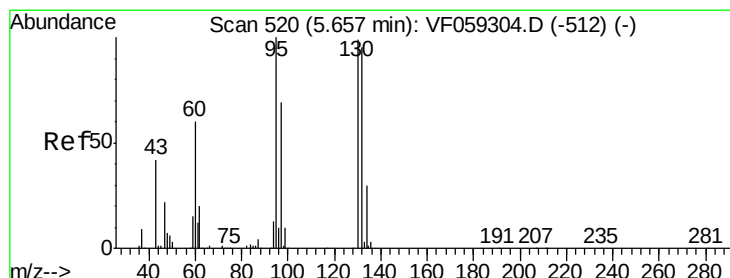
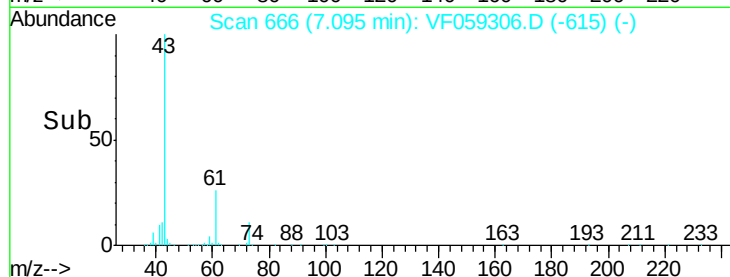
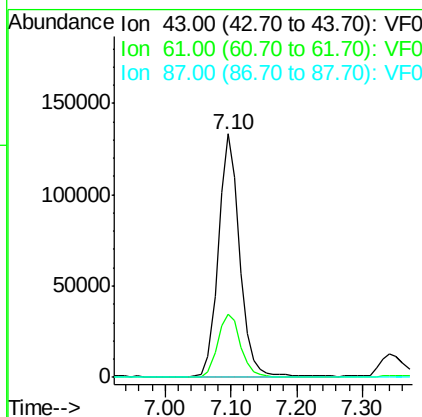
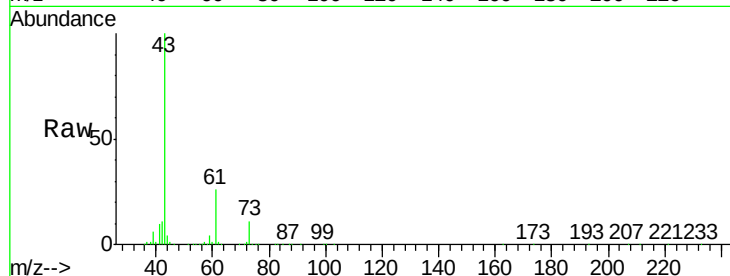
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	298486
Ion Ratio	Lower	Upper	
43	100		
61	25.9	19.7	29.5
87	0.3	0.5	0.7#

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#44

Trichloroethene

Concen: 82.31 ug/l

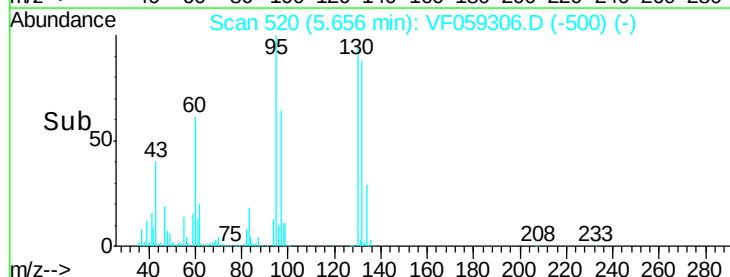
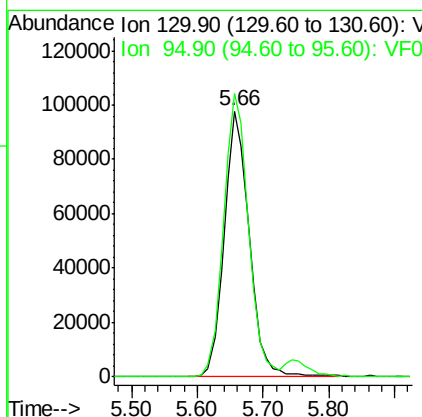
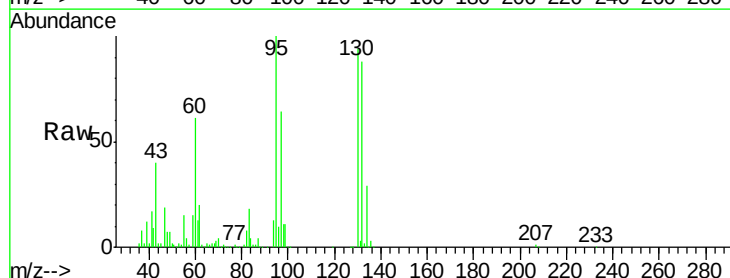
RT: 5.66 min Scan# 520

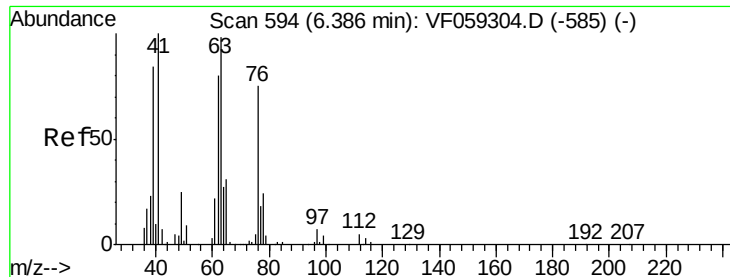
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	130	Resp:	259998
Ion Ratio	Lower	Upper	
130	100		
95	106.5	0.0	202.4





#45

1,2-Dichloropropane

Concen: 79.76 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 212430

Ion Ratio Lower Upper

63 100

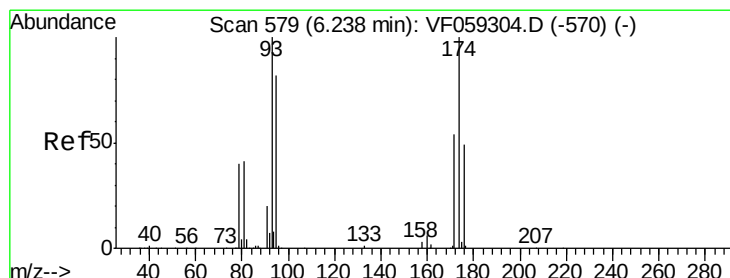
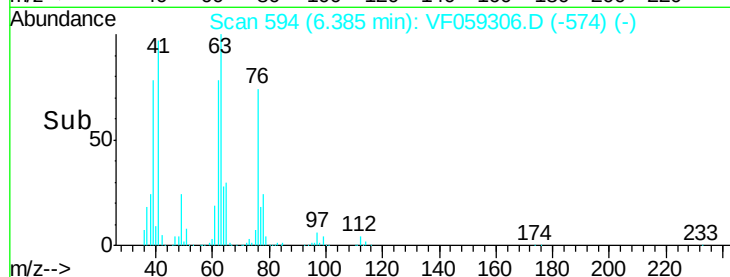
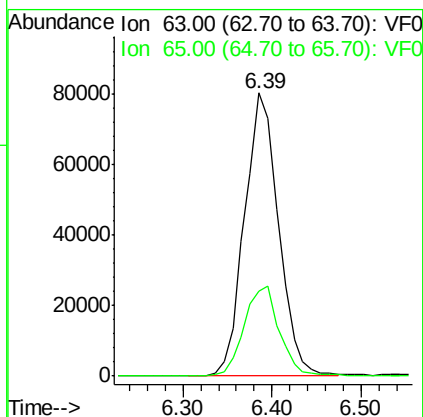
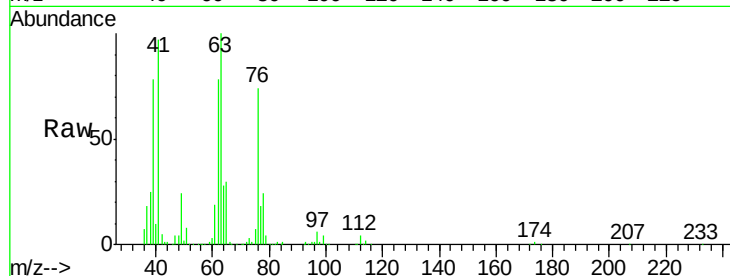
65 30.0 25.3 37.9

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#46

Dibromomethane

Concen: 88.87 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

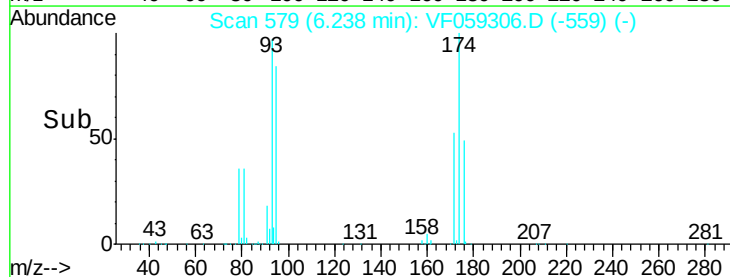
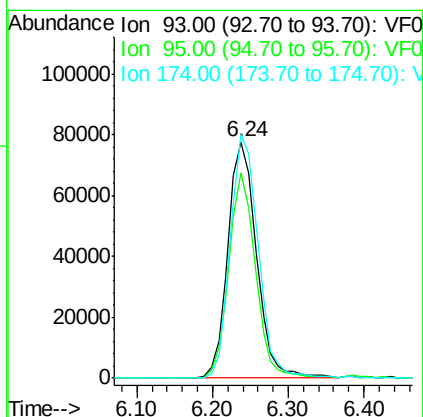
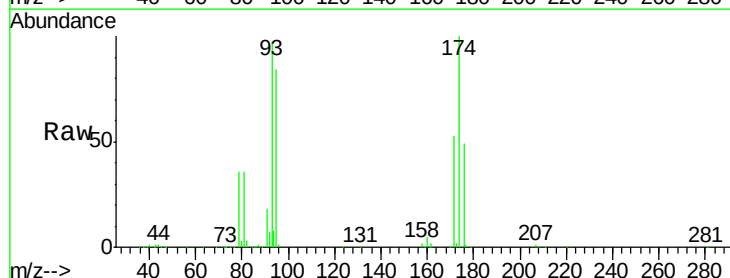
Tgt Ion: 93 Resp: 203118

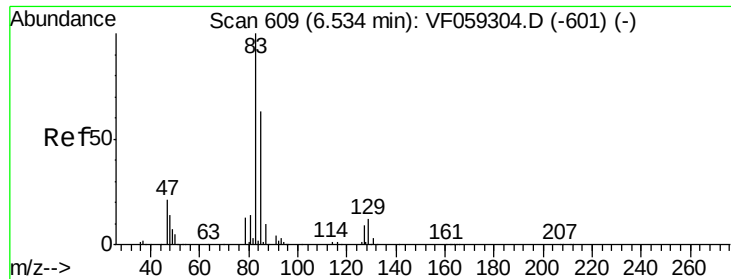
Ion Ratio Lower Upper

93 100

95 87.0 65.6 98.4

174 103.0 80.0 120.0





#47

Bromodichloromethane

Concen: 90.07 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

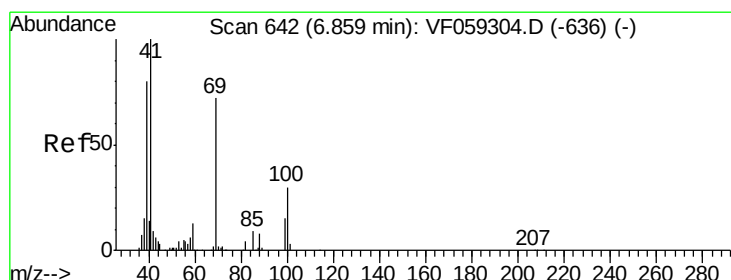
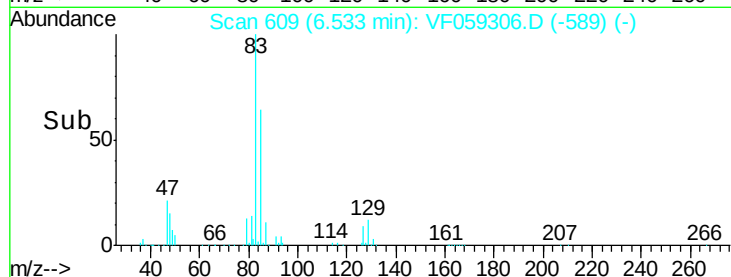
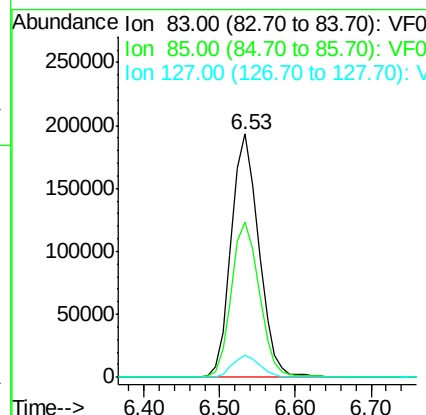
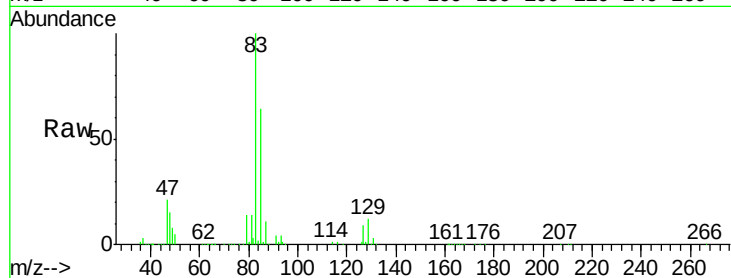
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	490793
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.2
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 92.94 ug/l

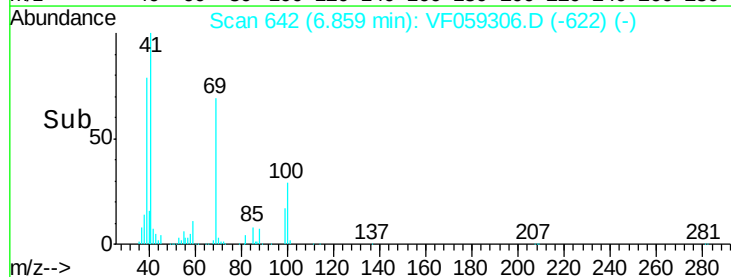
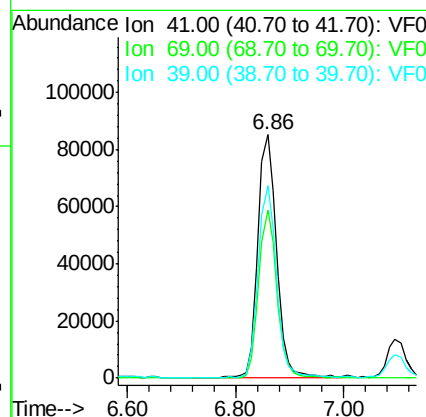
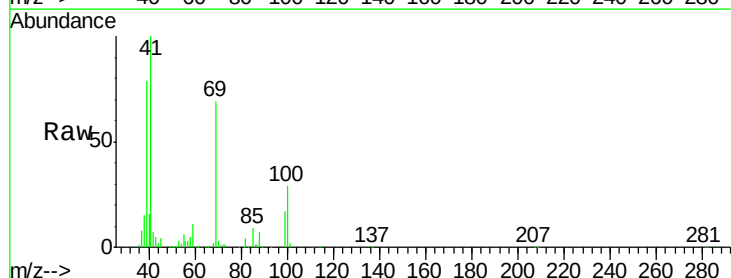
RT: 6.86 min Scan# 642

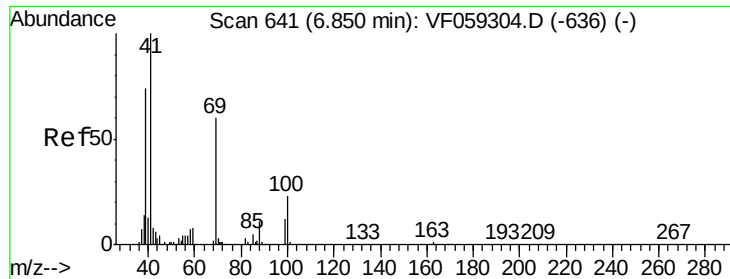
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	41	Resp:	202125
Ion	Ratio	Lower	Upper
41	100		
69	68.9	57.3	85.9
39	79.1	64.4	96.6





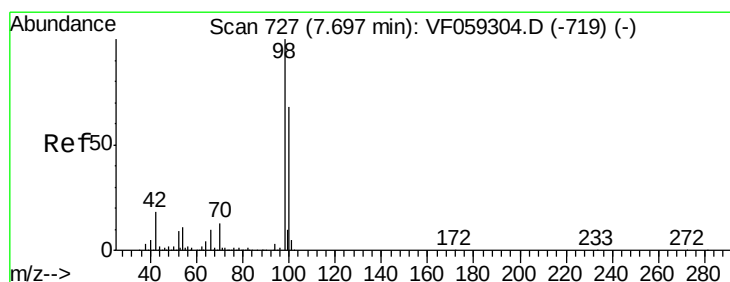
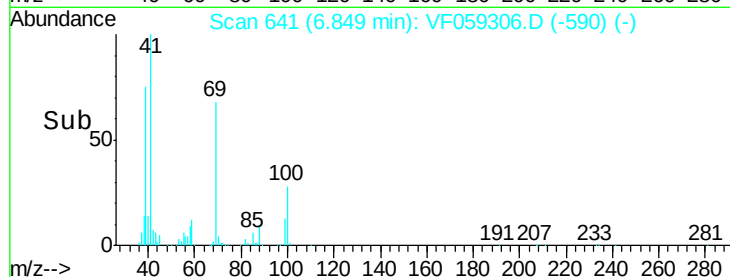
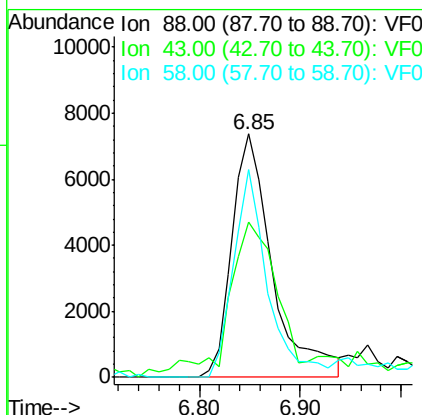
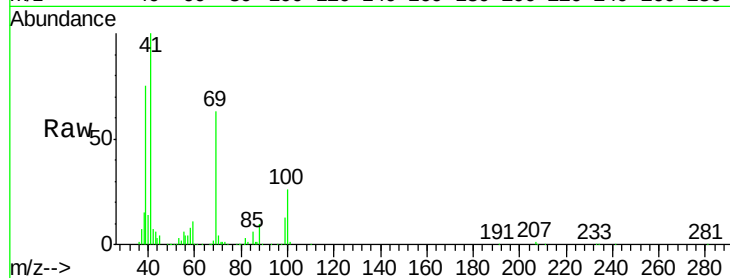
#49
1,4-Dioxane
Concen: 1616.44 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	63.7		50.6	75.8
58	85.2		46.6	69.8#

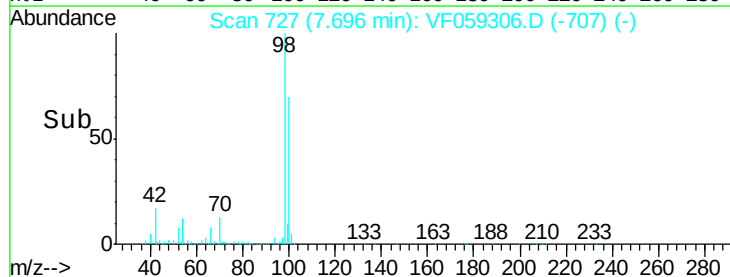
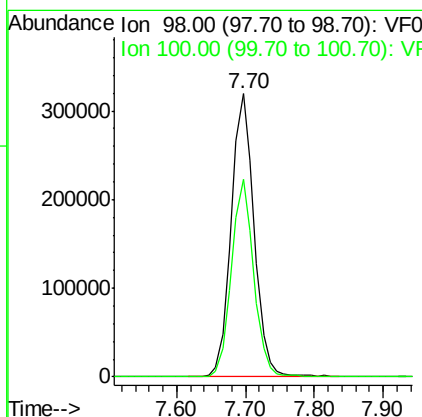
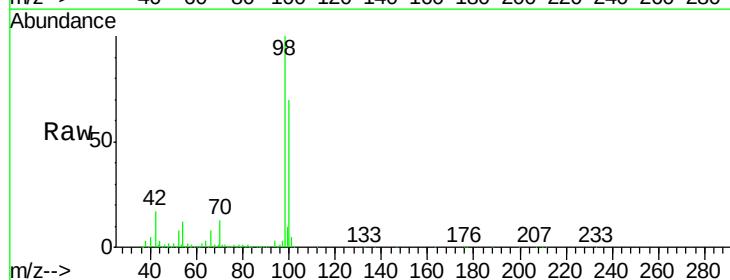
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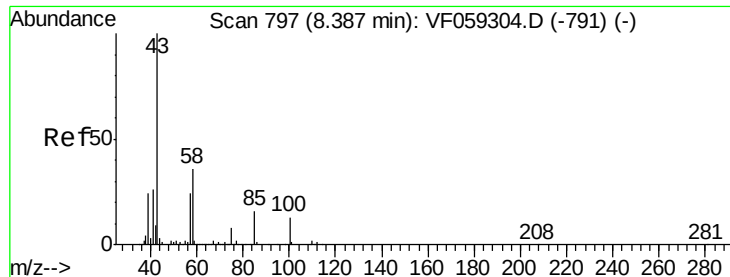
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#50
Toluene-d8
Concen: 83.36 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.0		54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 399.07 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 979011

Ion Ratio Lower Upper

43 100

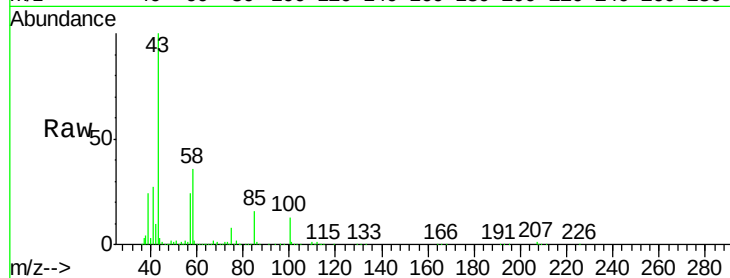
58 36.3 28.4 42.6

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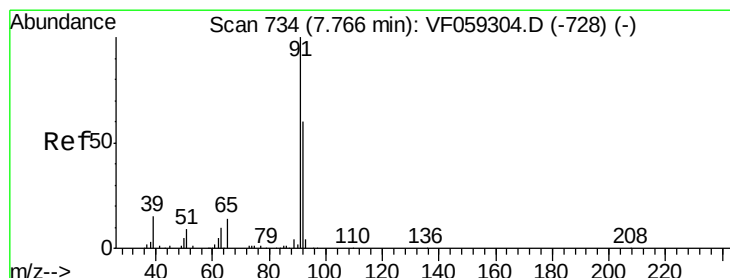
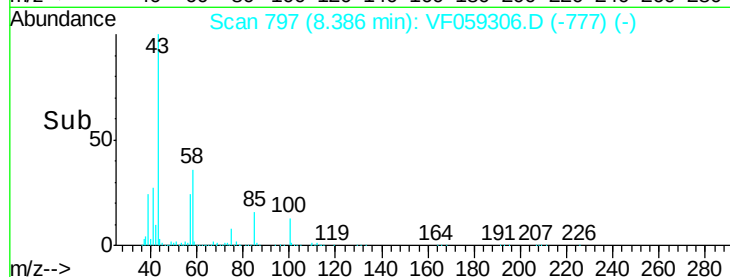
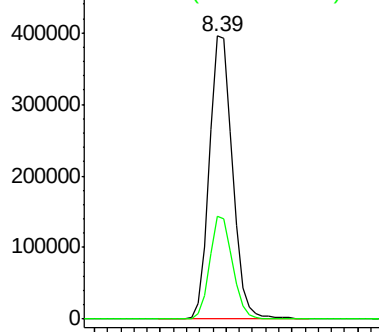
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 80.82 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059306.D

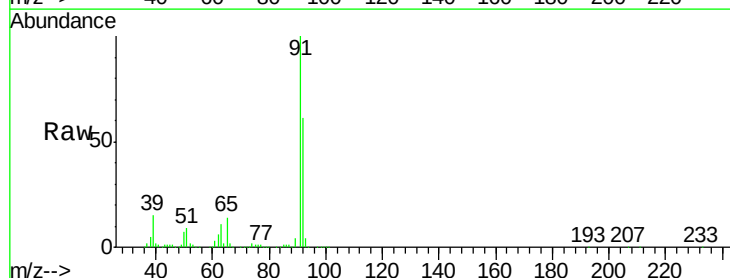
Acq: 25 Jun 2018 17:09

Tgt Ion: 92 Resp: 574264

Ion Ratio Lower Upper

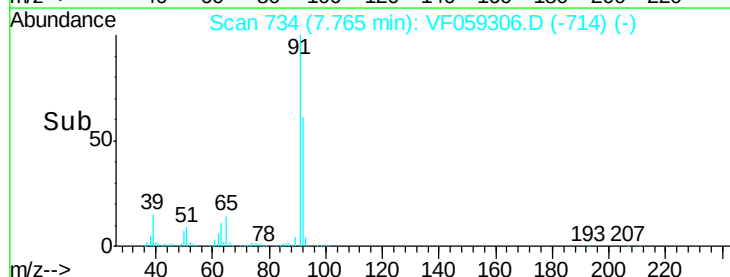
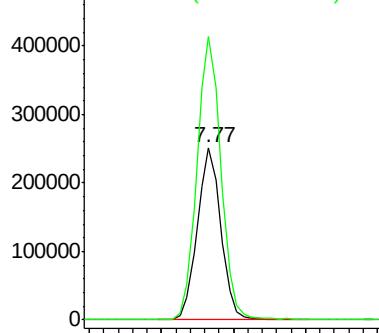
92 100

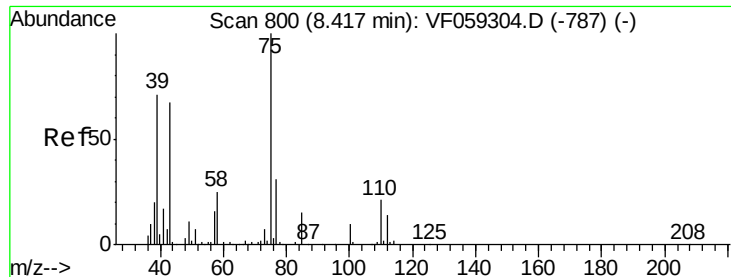
91 164.1 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 85.31 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 434193

Ion Ratio Lower Upper

75 100

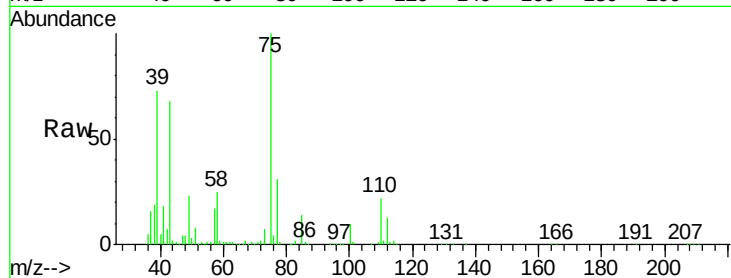
77 30.7 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

200000

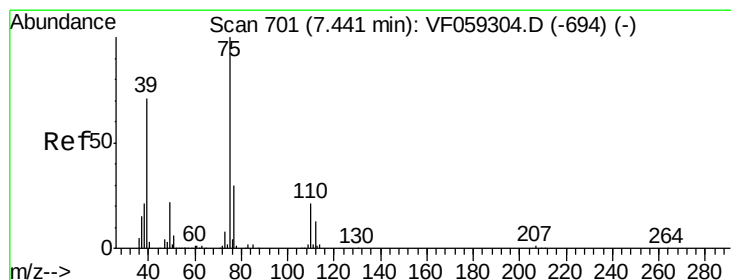
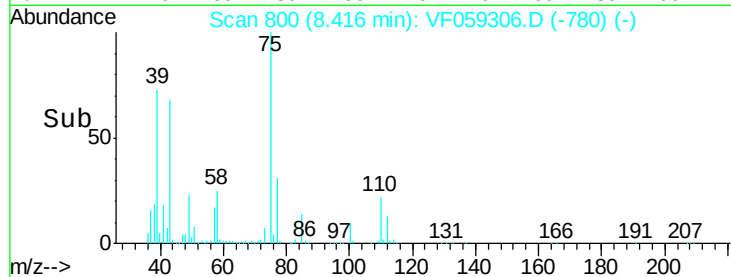
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 86.95 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

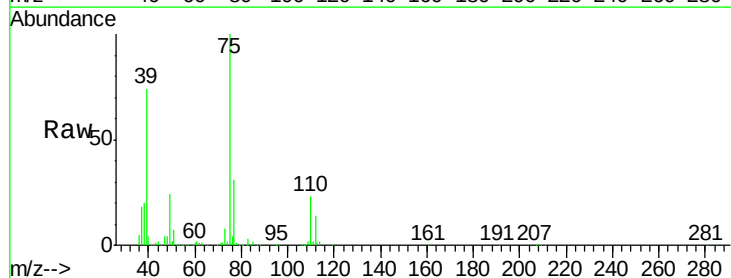
Tgt Ion: 75 Resp: 470537

Ion Ratio Lower Upper

75 100

77 30.9 24.3 36.5

39 74.0 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

250000

200000

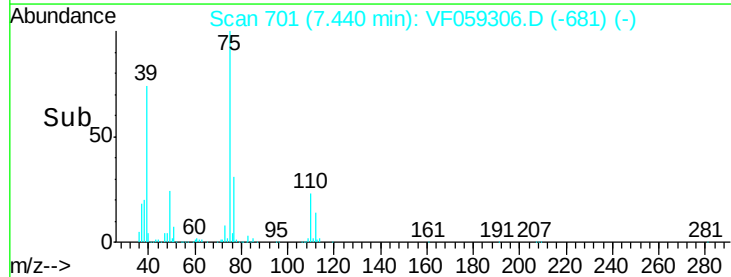
150000

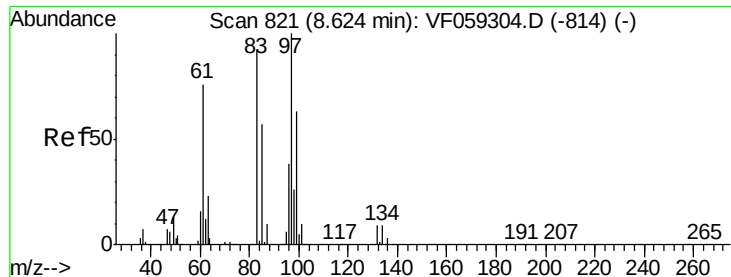
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 84.50 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

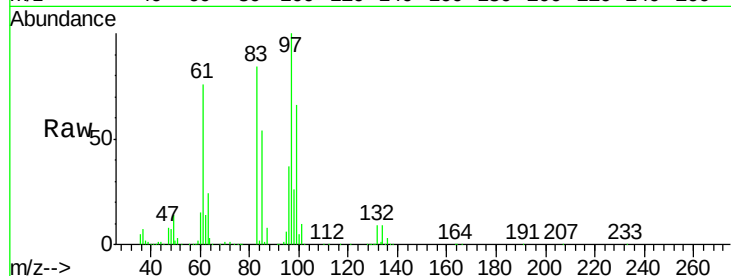
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	232003
Ion Ratio	Lower	Upper	
97	100		
83	84.3	73.8	110.8
85	54.4	45.5	68.3
99	66.4	50.7	76.1

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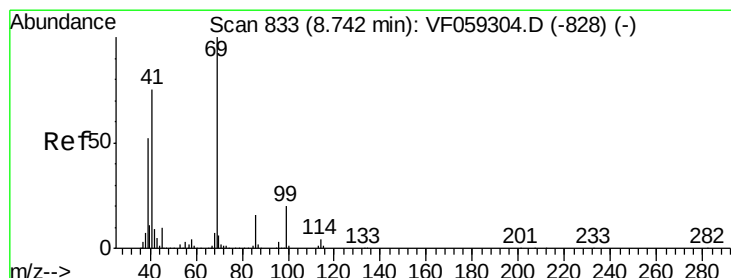
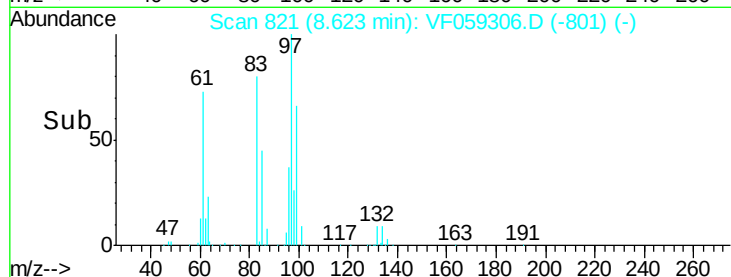
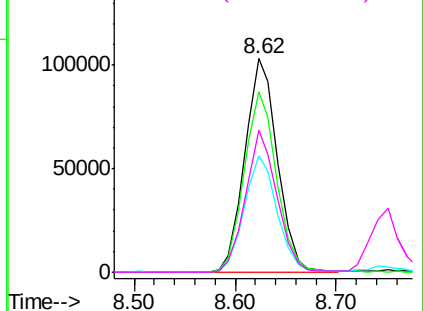


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 91.76 ug/l

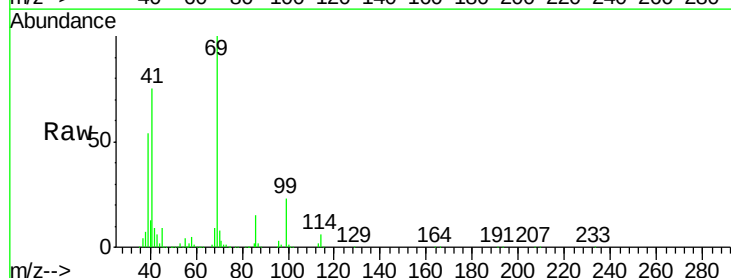
RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

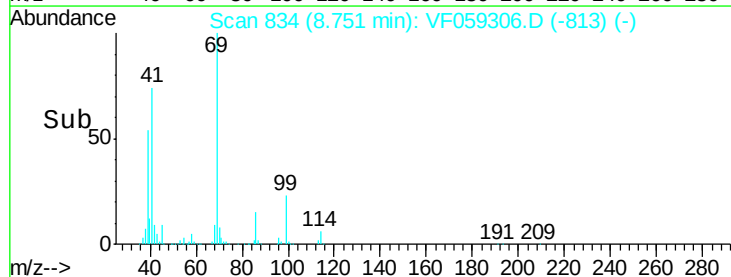
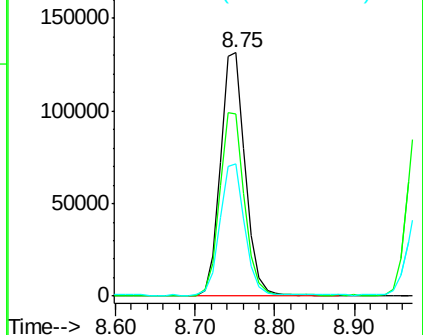
Tgt Ion:	69	Resp:	289496
Ion Ratio	Lower	Upper	
69	100		
41	74.6	60.3	90.5
39	54.1	42.2	63.4

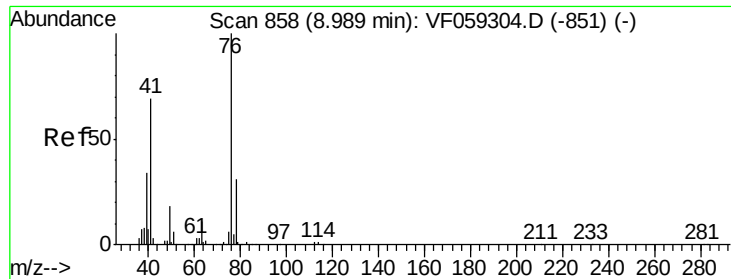


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





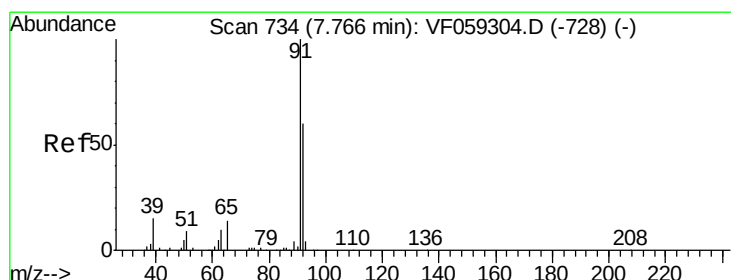
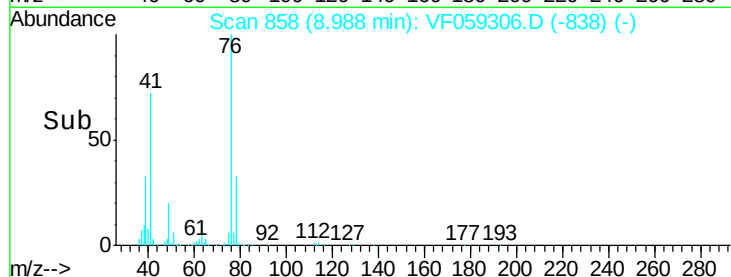
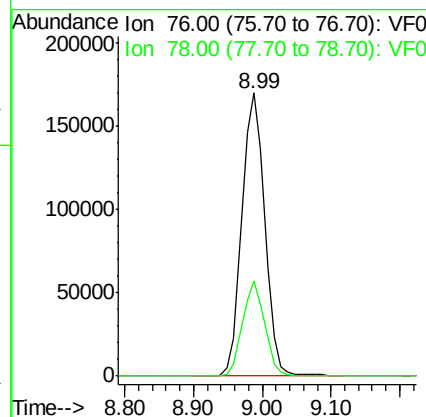
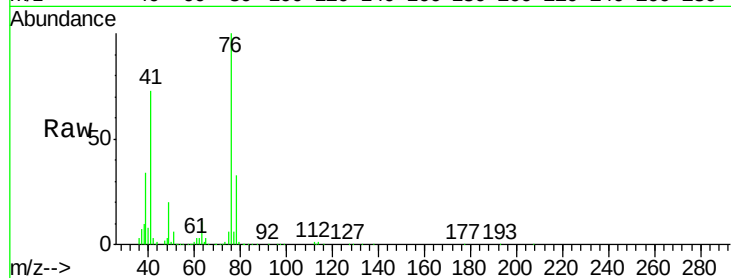
#57
 1,3-Dichloropropane
 Concen: 86.39 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	24.9	37.3

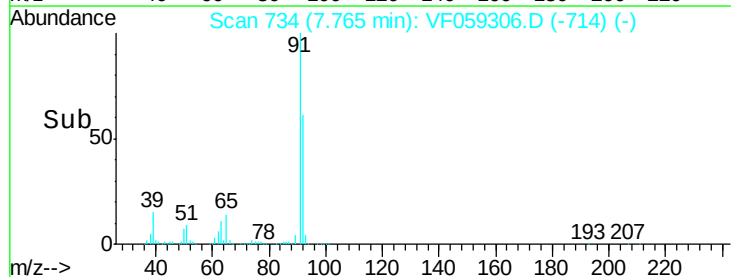
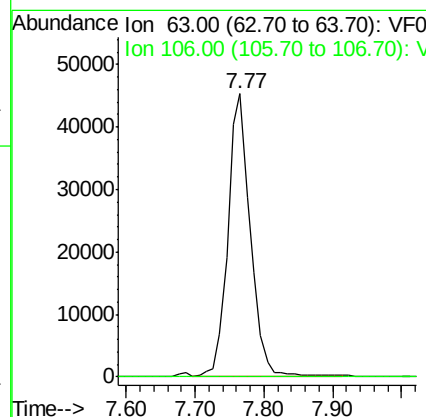
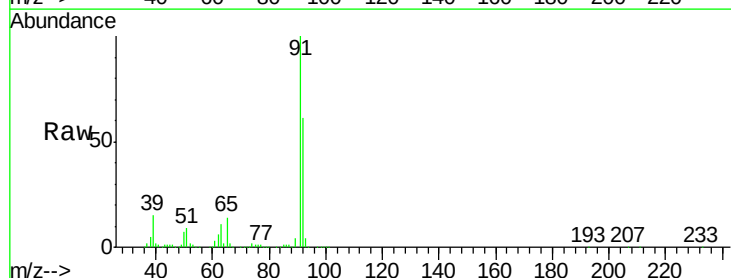
Manual Integrations
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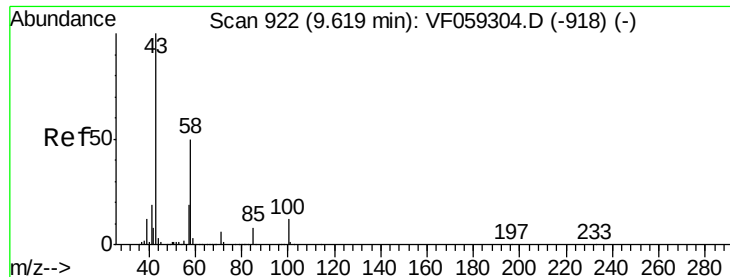
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 408.24 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





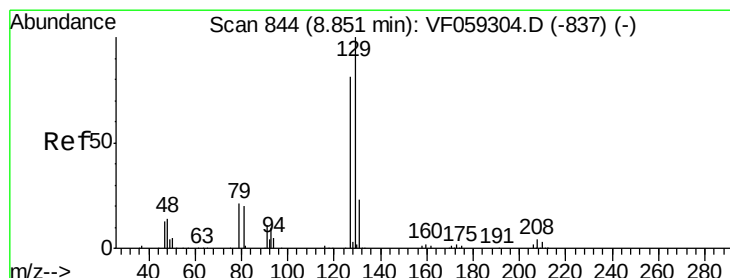
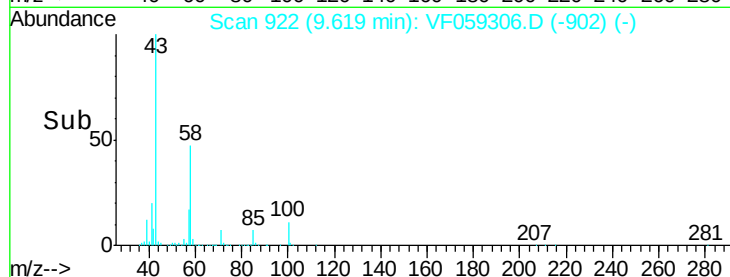
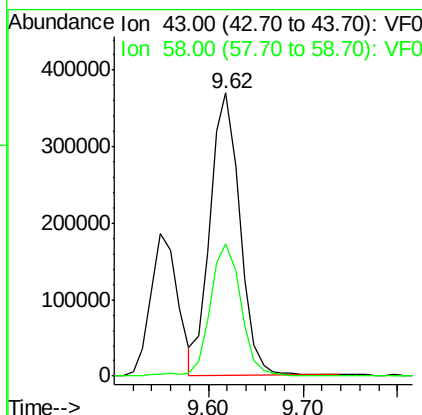
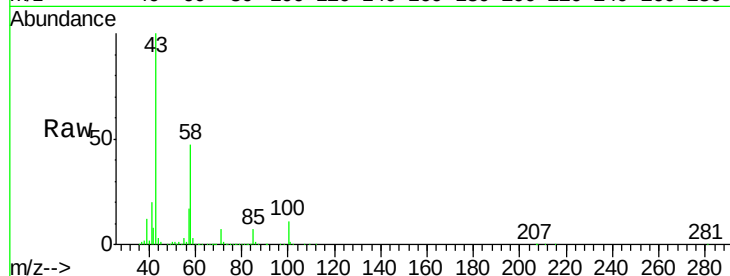
#59
2-Hexanone
Concen: 412.44 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	809366
Ion Ratio	100	Lower	Upper
43	100		
58	47.0	23.3	69.9

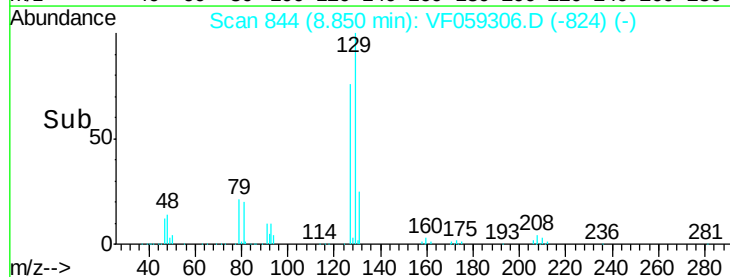
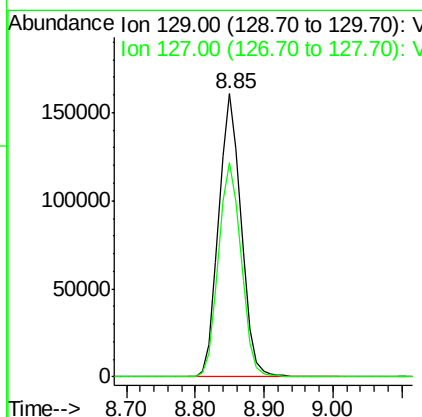
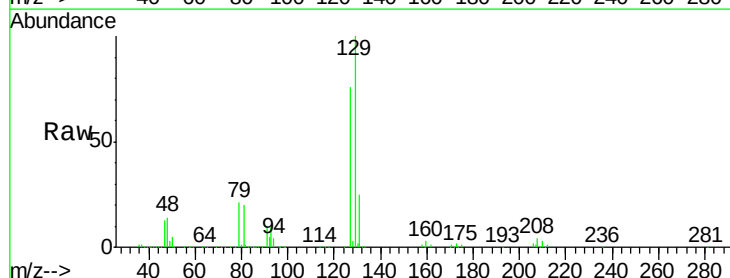
Manual Integrations
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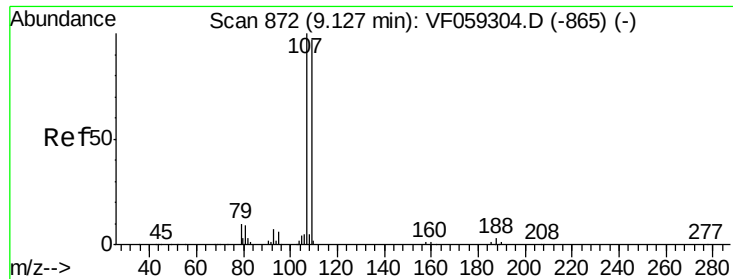
apatel
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#60
Dibromochloromethane
Concen: 90.07 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	129	Resp	365959	
Ion Ratio	129	100	Lower	Upper
129	100			
127	75.9	40.7	122.1	





#61

1,2-Dibromoethane

Concen: 89.73 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 285936

Ion Ratio Lower Upper

107 100

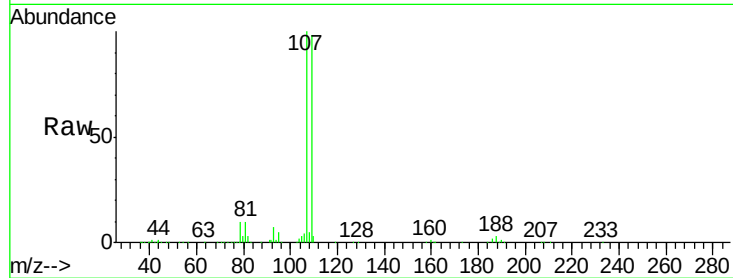
109 97.9 77.3 115.9

Manual Integrations

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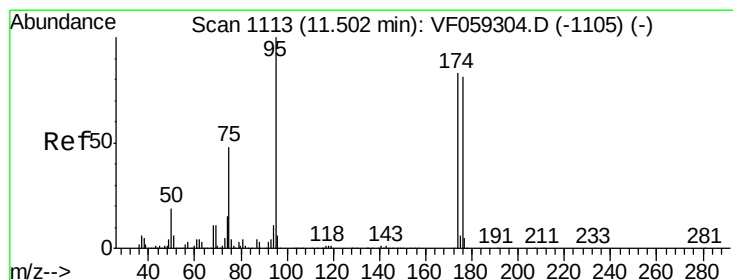
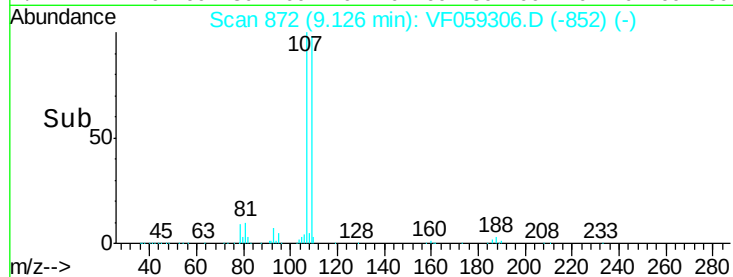
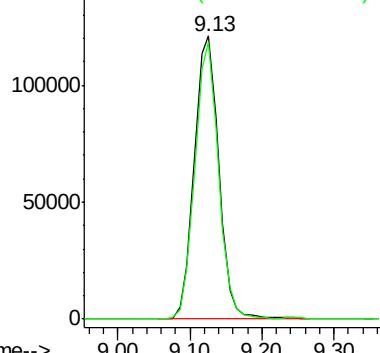
apatel

6/26/2018 10:04:39 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 77.03 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

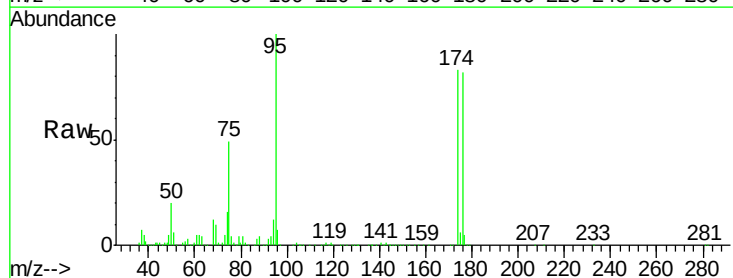
Tgt Ion: 95 Resp: 376658

Ion Ratio Lower Upper

95 100

174 83.2 0.0 165.2

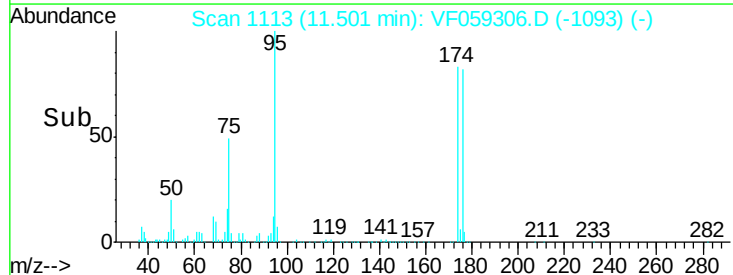
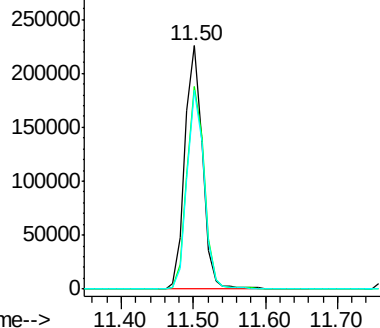
176 81.8 0.0 161.0

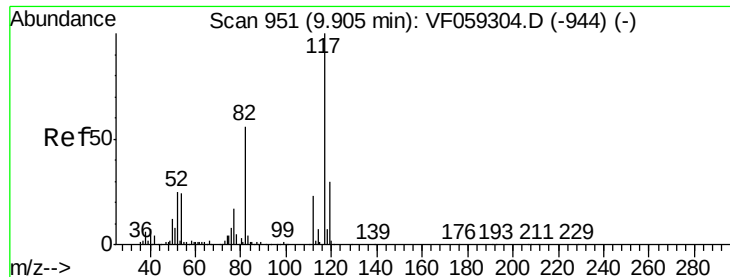


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





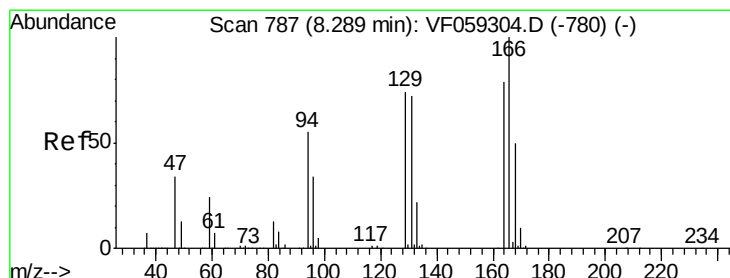
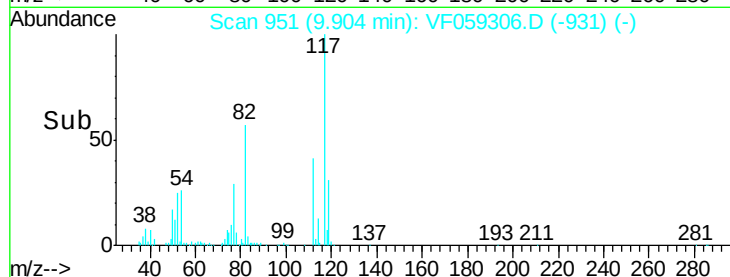
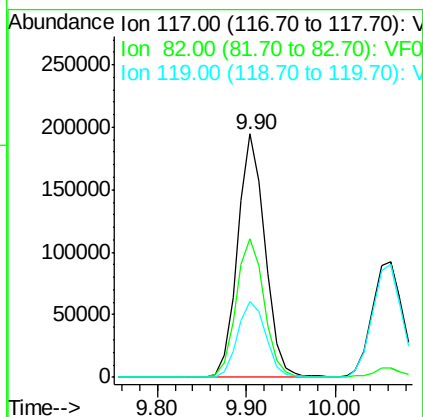
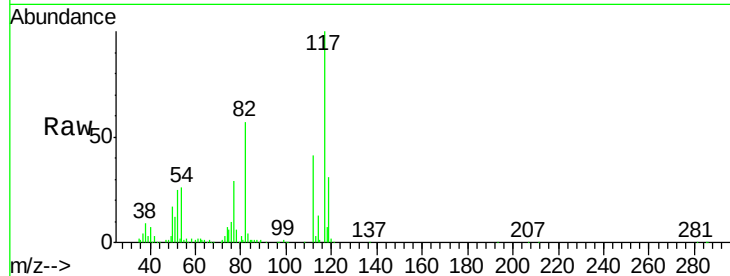
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.6	66.8
119	31.0	24.1	36.1

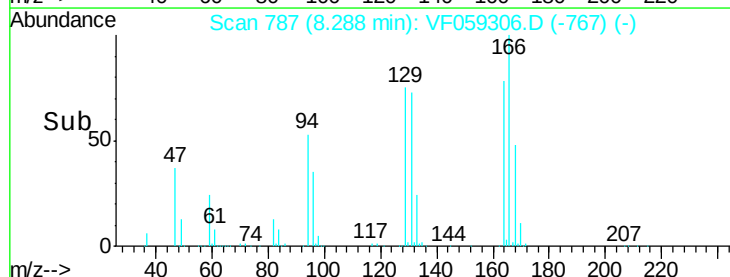
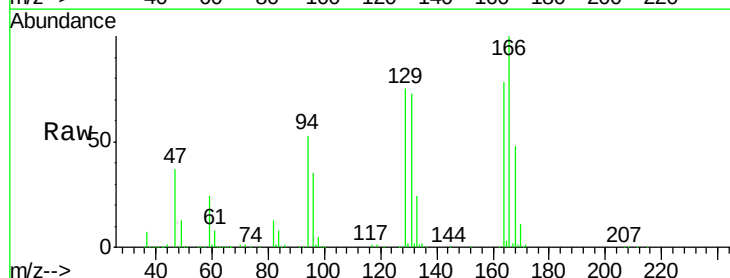
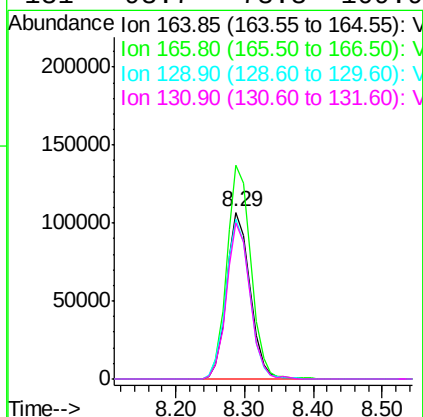
Manual Integrations
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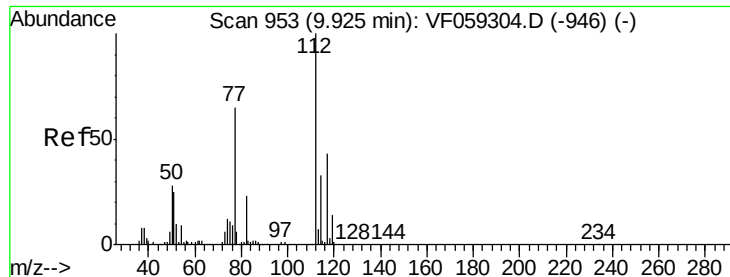
apatel
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#64
Tetrachloroethene
Concen: 81.26 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	96.3	75.0	112.4
131	93.7	73.3	109.9





#65

Chlorobenzene

Concen: 86.91 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 747905

Ion Ratio Lower Upper

112 100

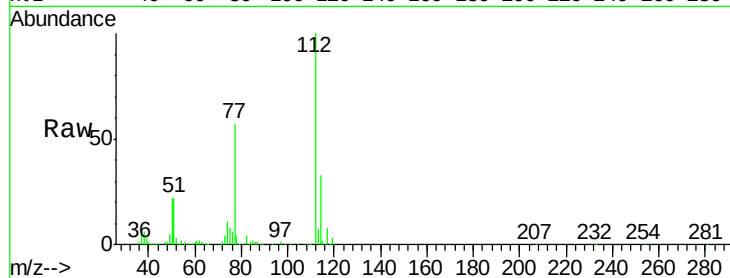
114 33.4 26.5 39.7

Manual Integrations

APPROVED

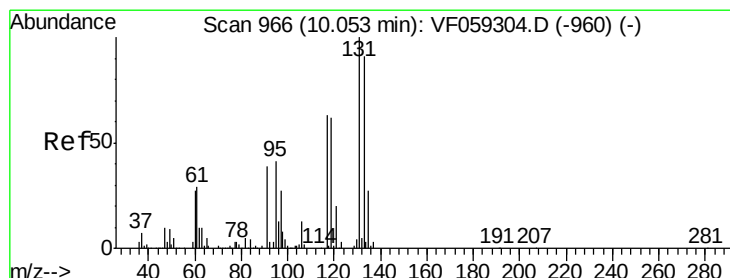
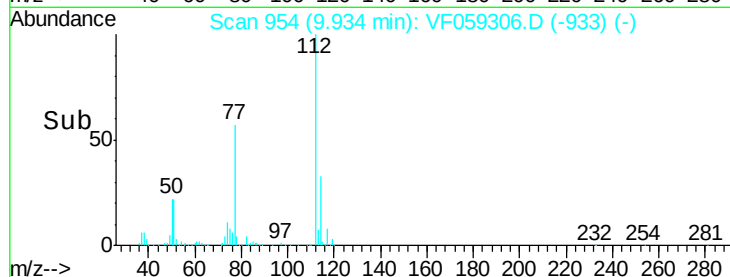
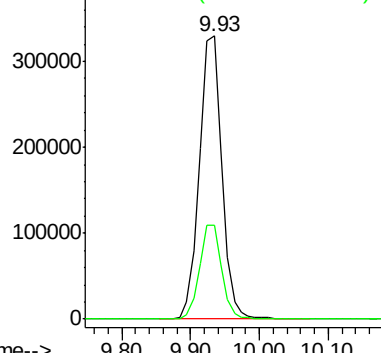
apatel

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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: 90.19 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

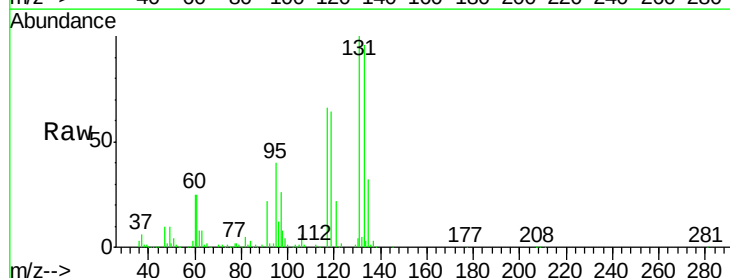
Tgt Ion:131 Resp: 327255

Ion Ratio Lower Upper

131 100

133 96.4 45.3 135.9

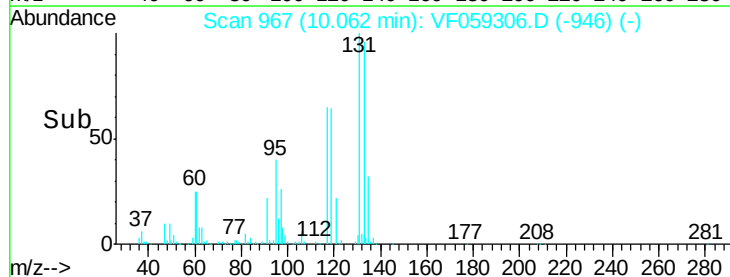
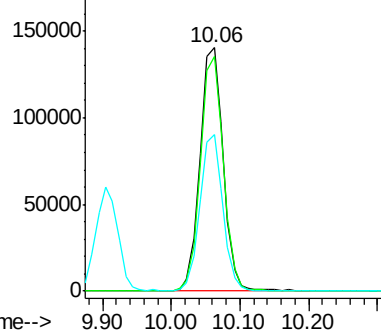
119 64.4 31.3 93.9

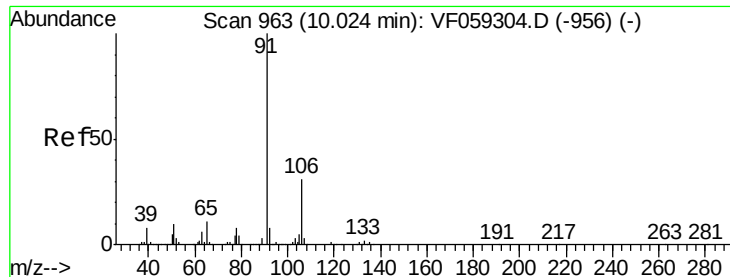


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





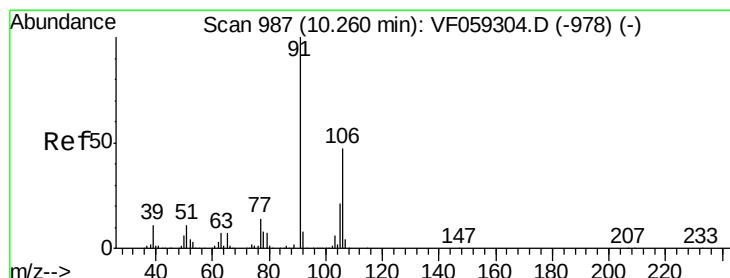
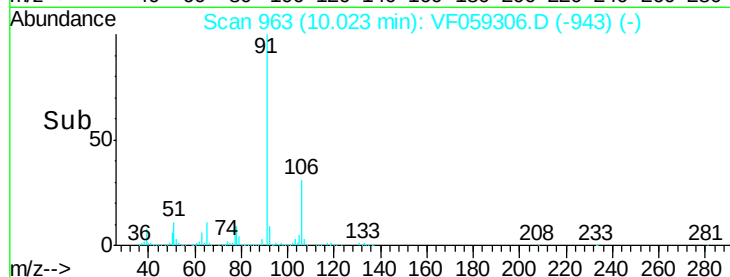
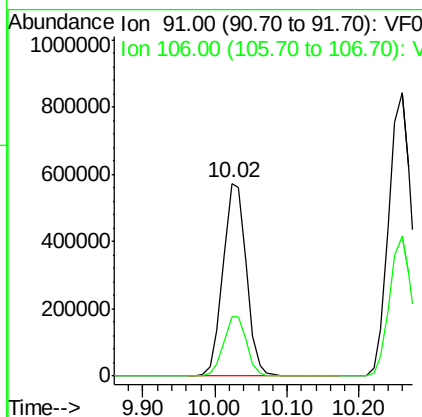
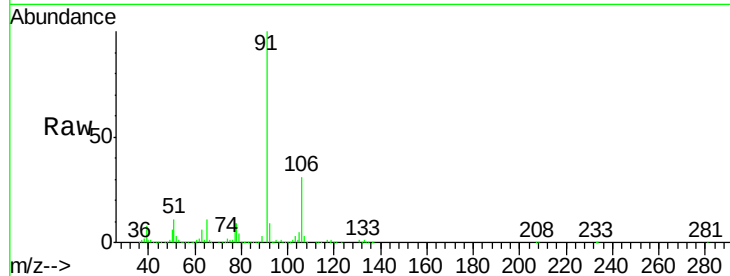
#67
Ethyl Benzene
Concen: 88.34 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1289341
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

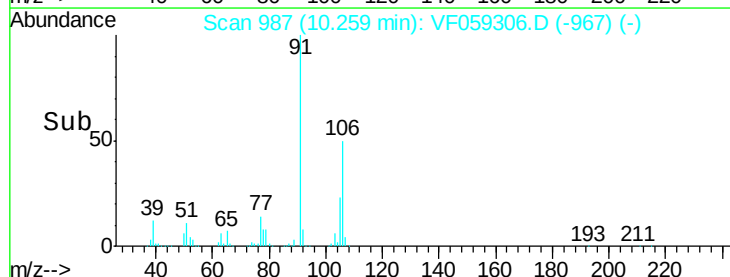
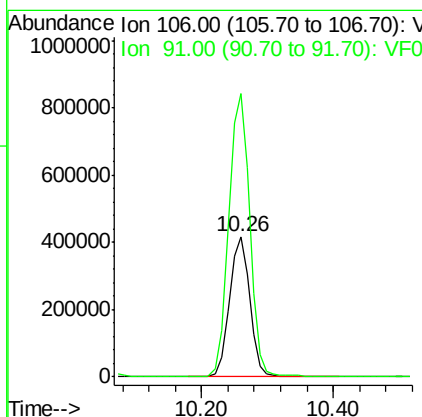
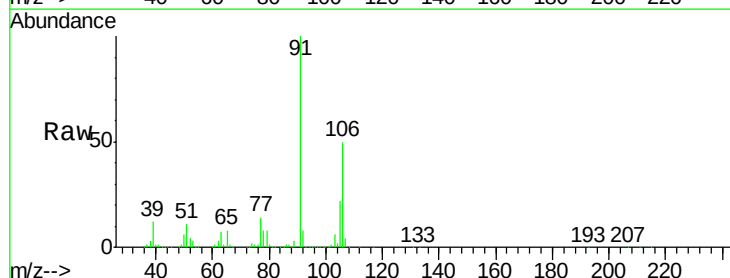
Manual Integrations
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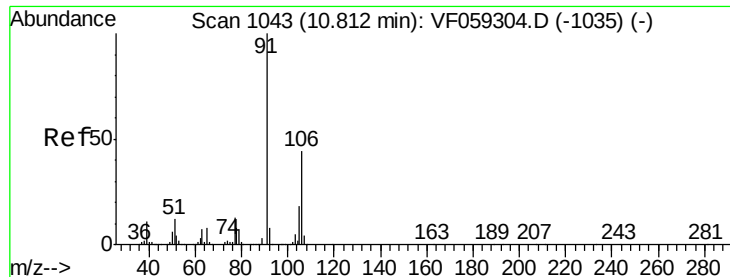
apatel
6/26/2018 10:04:39 AM



#68
m/p-Xylenes
Concen: 173.95 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 106 Resp: 906914
Ion Ratio Lower Upper
106 100
91 201.4 170.8 256.2





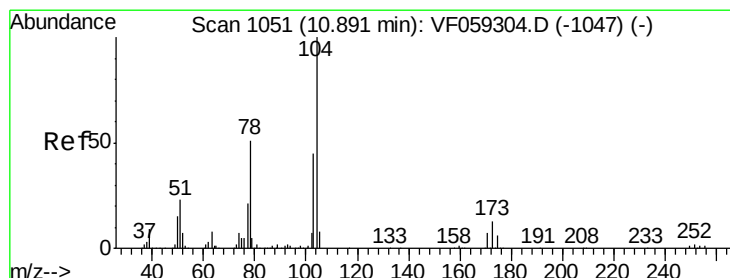
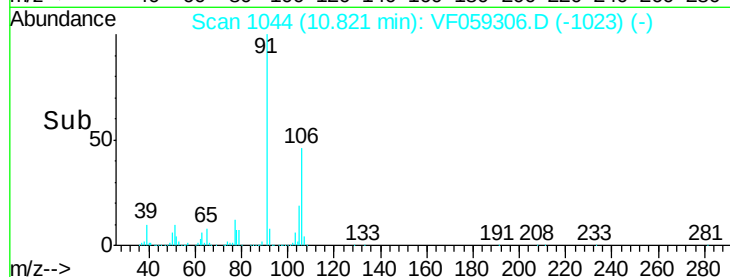
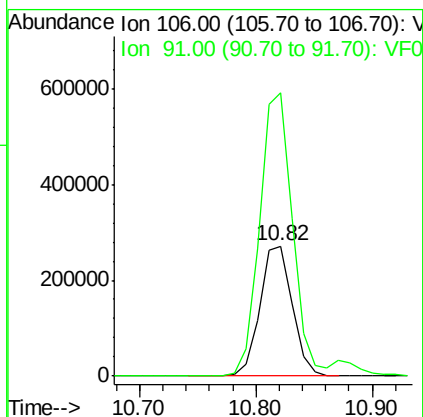
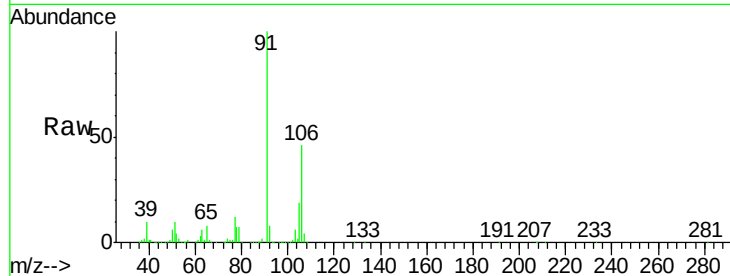
#69
o-Xylene
Concen: 90.16 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 520939
Ion Ratio Lower Upper
106 100
91 217.1 114.6 343.6

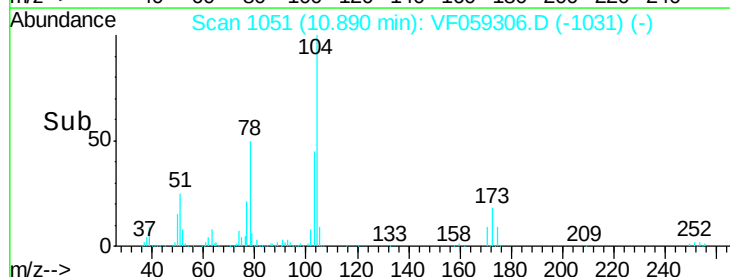
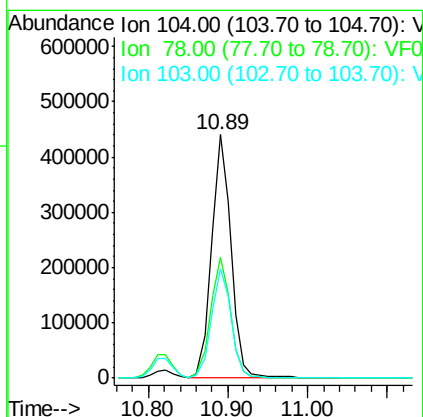
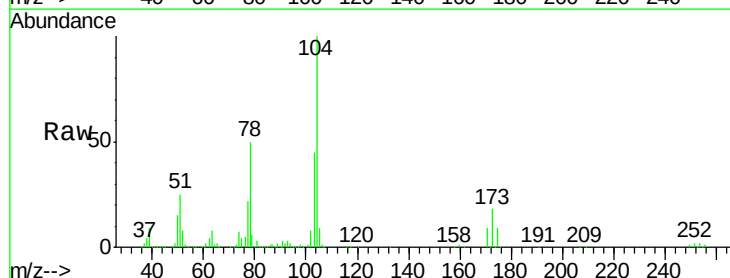
Manual Integrations
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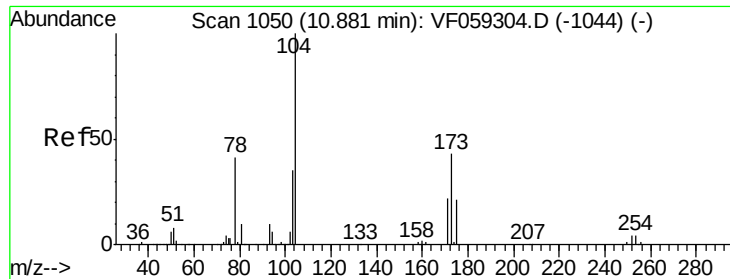
apatel
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#70
Styrene
Concen: 85.83 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion:104 Resp: 753270
Ion Ratio Lower Upper
104 100
78 49.8 40.9 61.3
103 44.9 36.5 54.7





#71

Bromoform

Concen: 90.64 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 233482

Ion Ratio Lower Upper

173 100

175 49.2 24.8 74.3

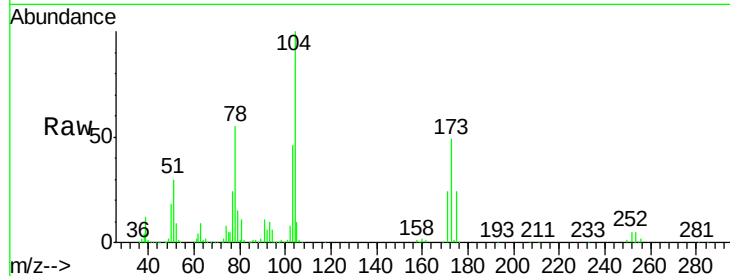
254 0.1 0.0 0.0#

Manual Integrations

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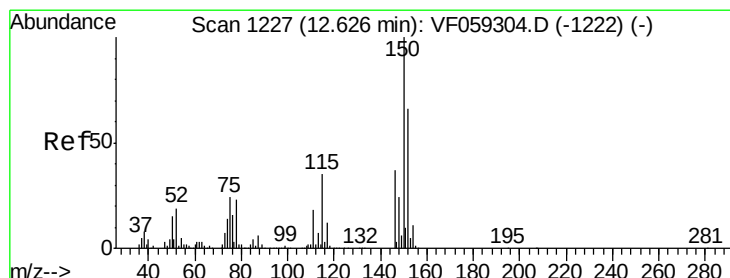
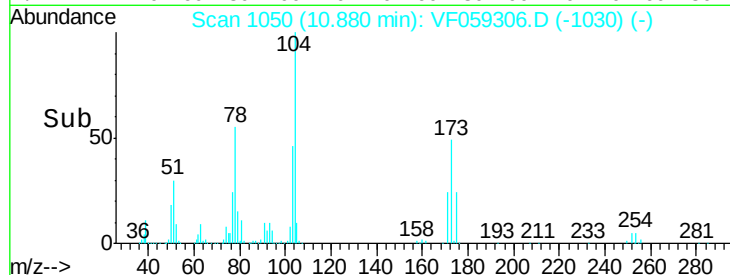
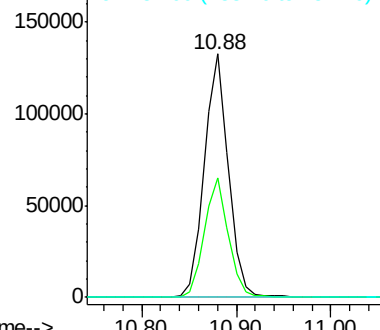
6/26/2018 10:04:39 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

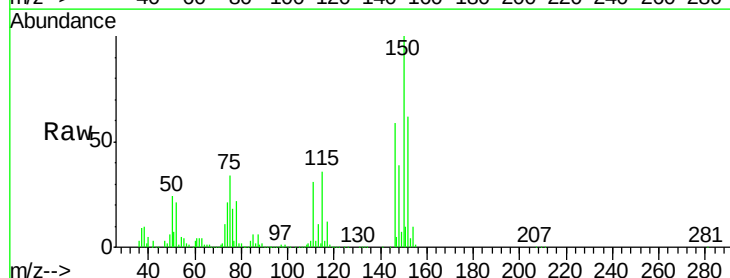
Tgt Ion:152 Resp: 247633

Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

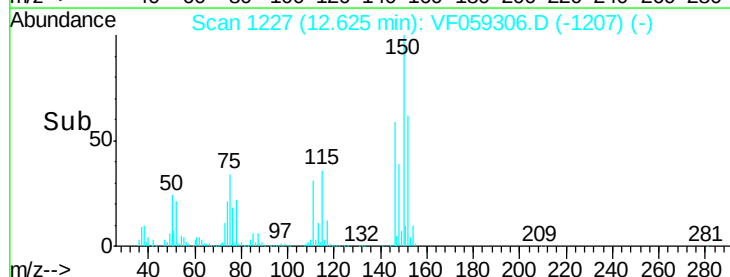
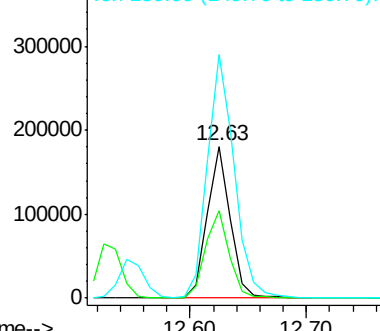
150 160.2 0.0 305.2

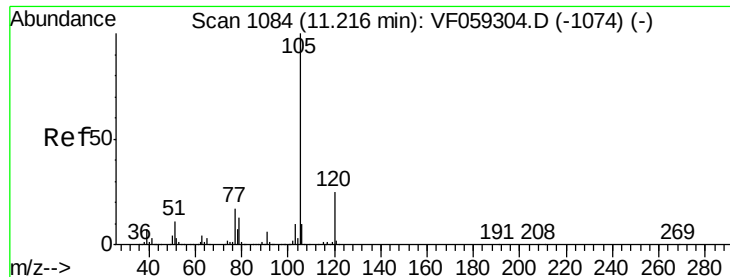


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 85.53 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1412858

Ion Ratio Lower Upper

105 100

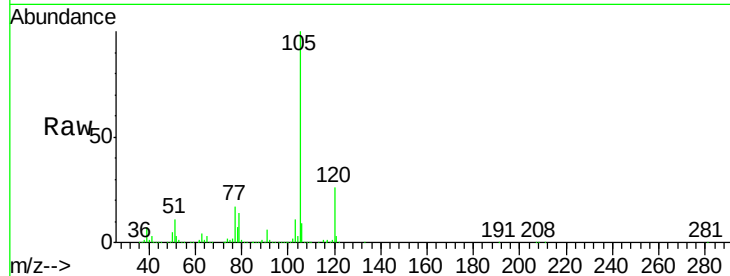
120 26.2 12.3 36.8

Manual Integrations

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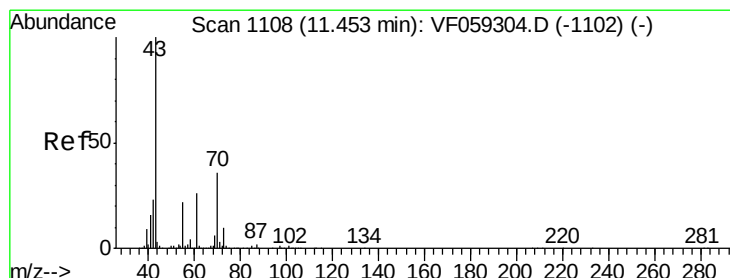
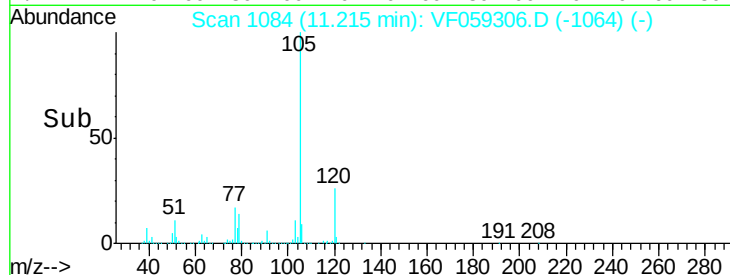
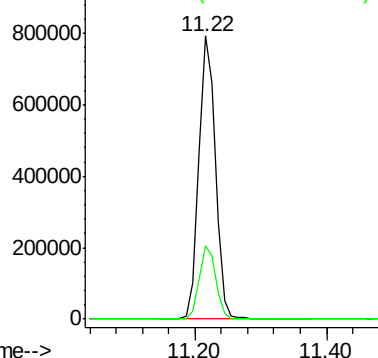
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 91.51 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion: 43 Resp: 504112

Ion Ratio Lower Upper

43 100

70 35.9 28.8 43.2

55 21.8 17.4 26.0

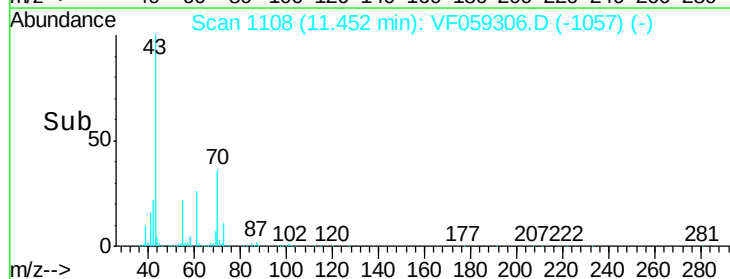
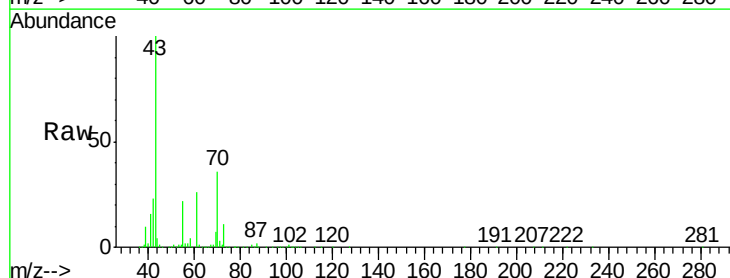
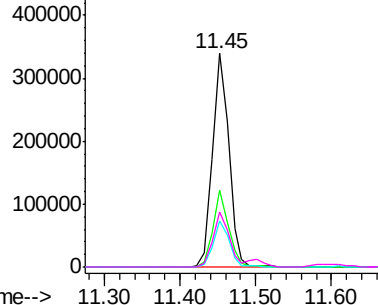
61 25.9 21.1 31.7

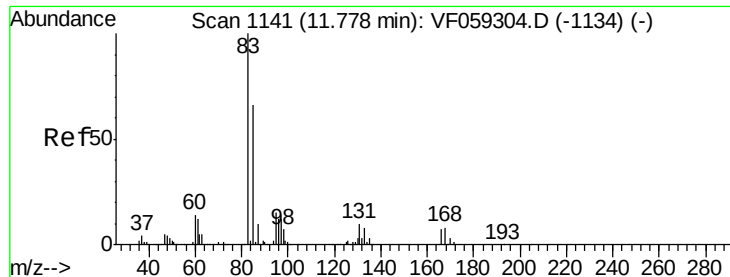
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 84.36 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

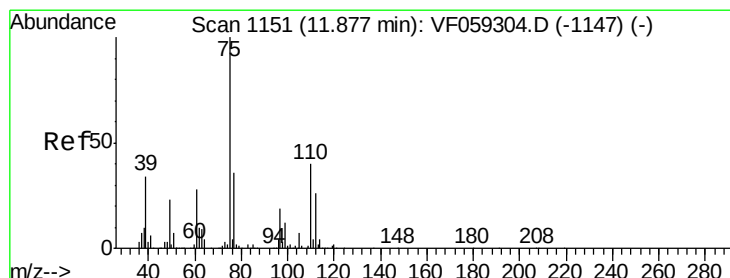
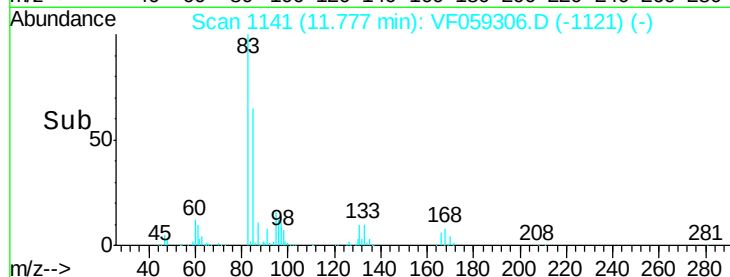
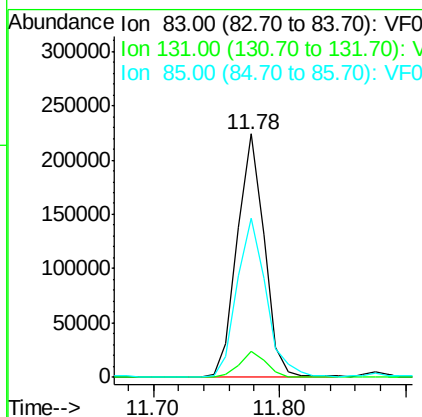
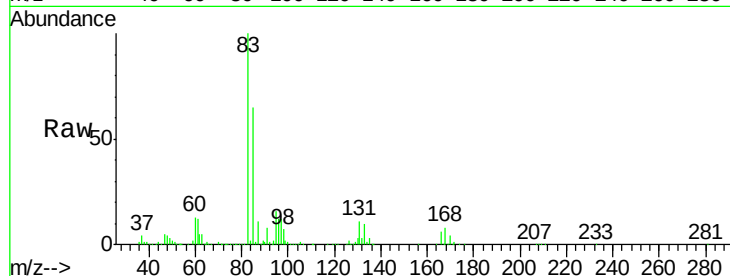
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	333614
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.6
85	65.2	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 83.32 ug/l

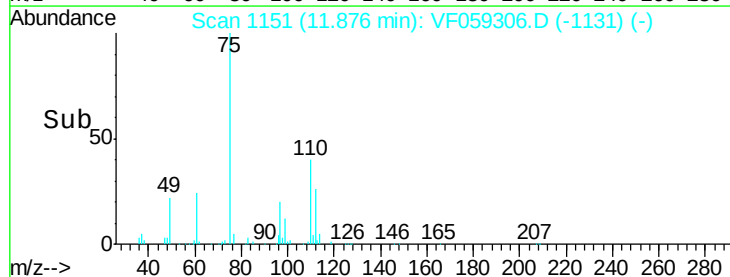
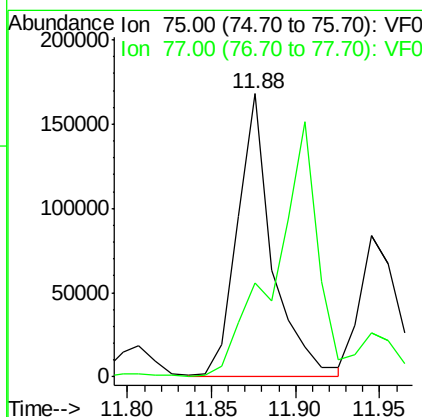
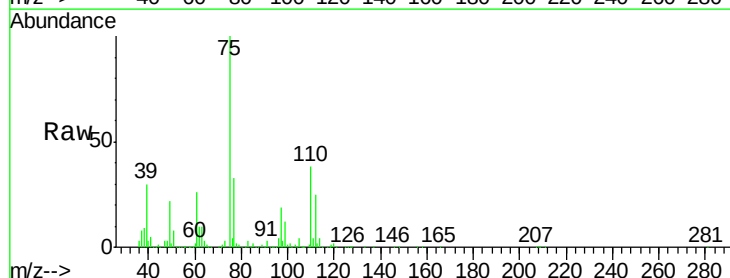
RT: 11.88 min Scan# 1151

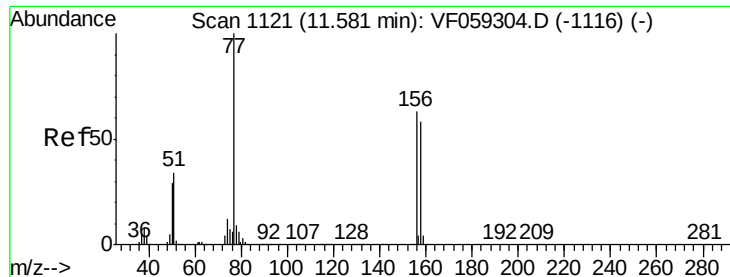
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	75	Resp:	240869
Ion Ratio	Lower	Upper	
75	100		
77	33.0	18.0	54.0





#77

Bromobenzene

Concen: 88.12 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

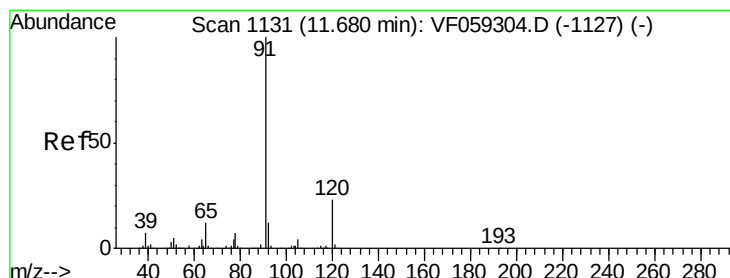
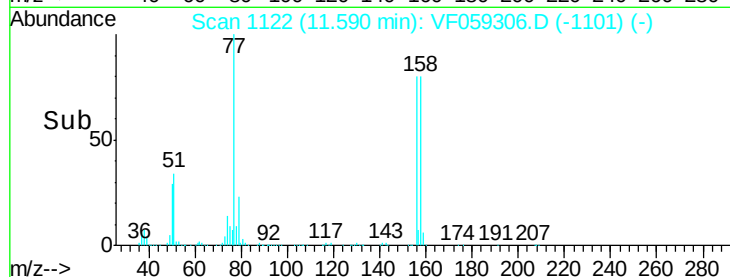
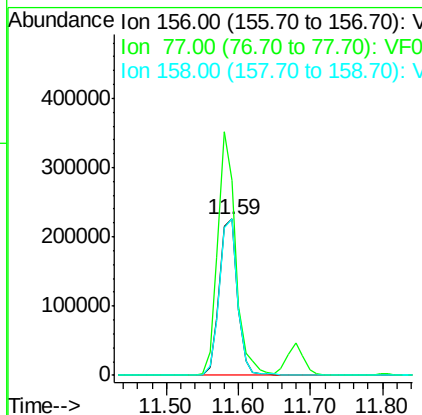
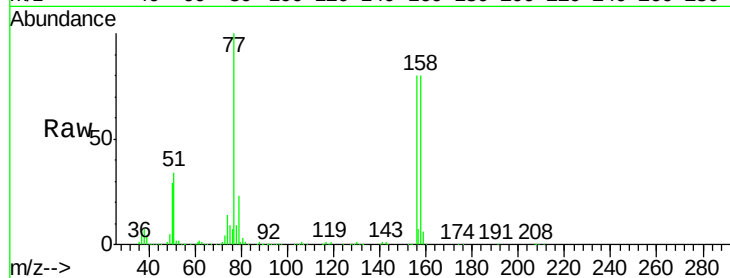
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.2	79.7	238.9
158	100.0	46.2	138.6

Manual Integrations
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#78

n-propylbenzene

Concen: 84.00 ug/l

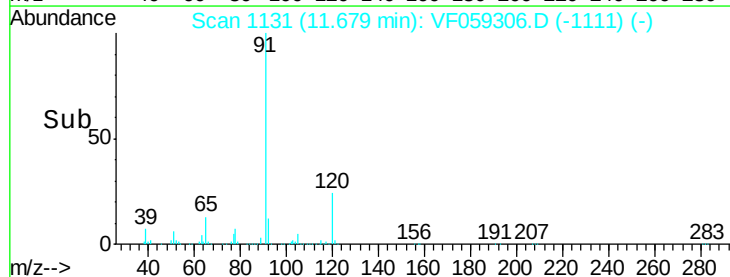
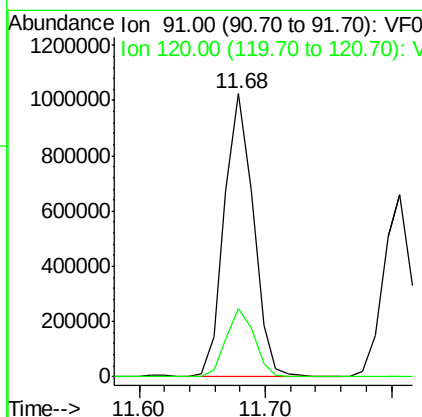
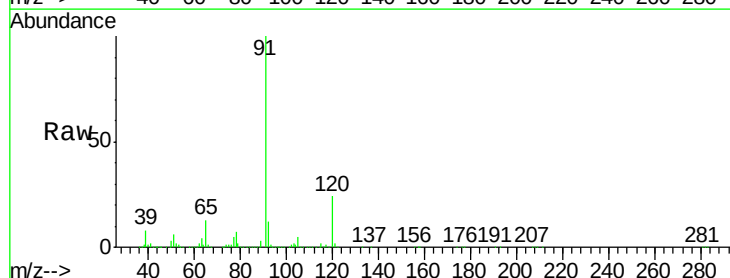
RT: 11.68 min Scan# 1131

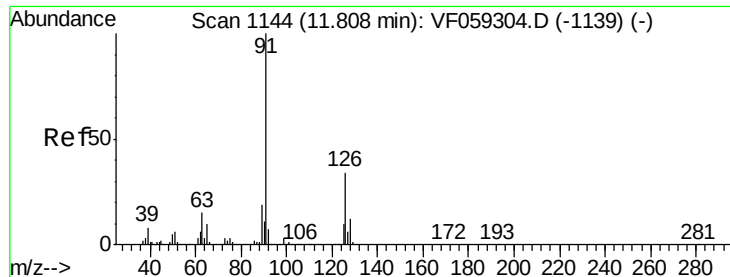
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.7	35.0





#79

2-Chlorotoluene

Concen: 87.60 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1025258

Ion Ratio Lower Upper

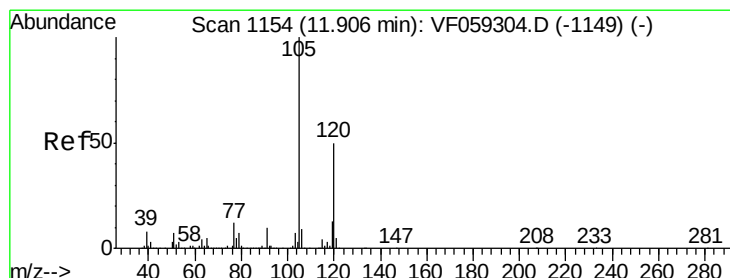
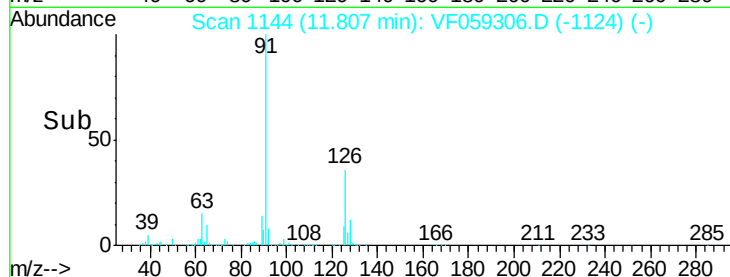
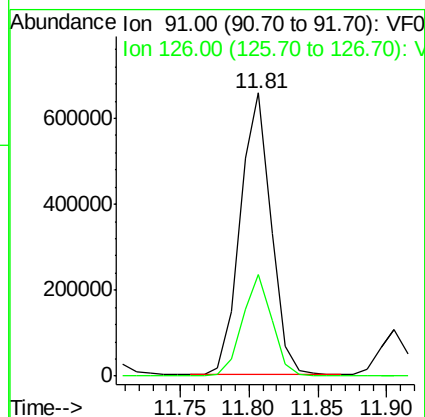
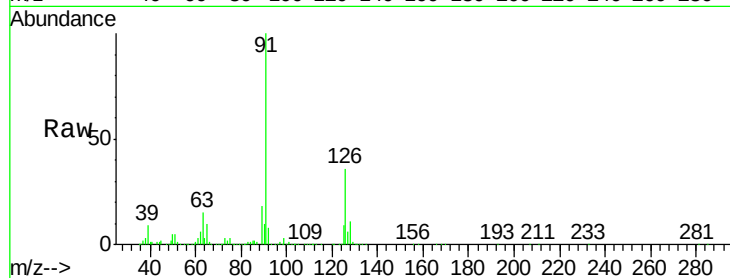
91 100

126 35.8 17.2 51.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 94.34 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059306.D

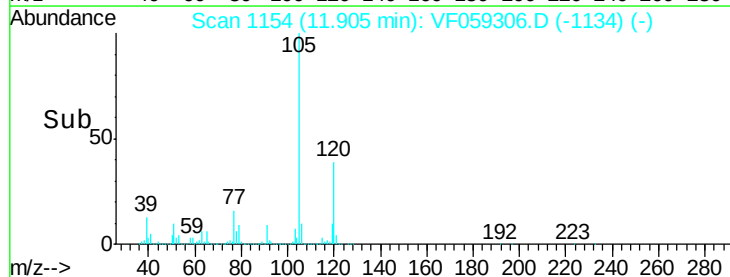
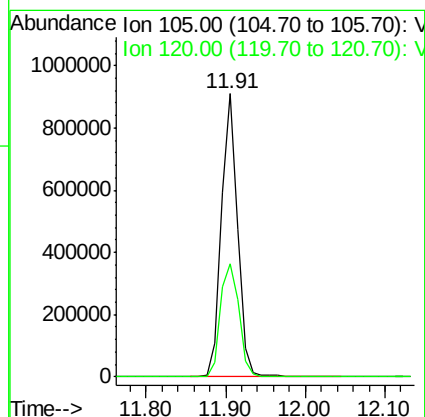
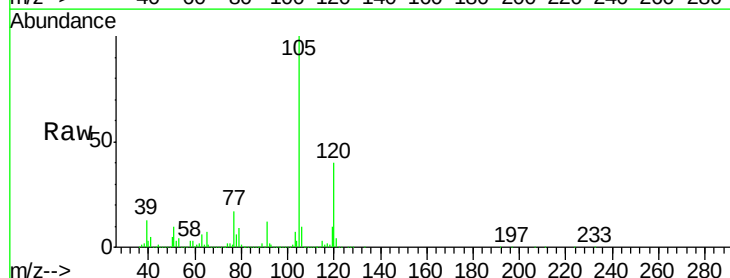
Acq: 25 Jun 2018 17:09

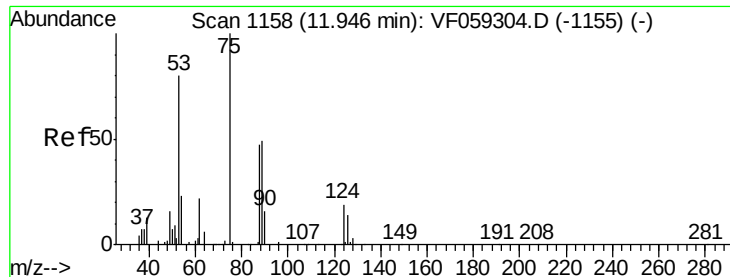
Tgt Ion:105 Resp: 1315818

Ion Ratio Lower Upper

105 100

120 40.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 86.58 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

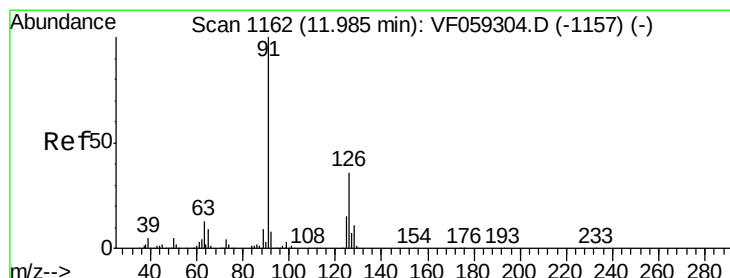
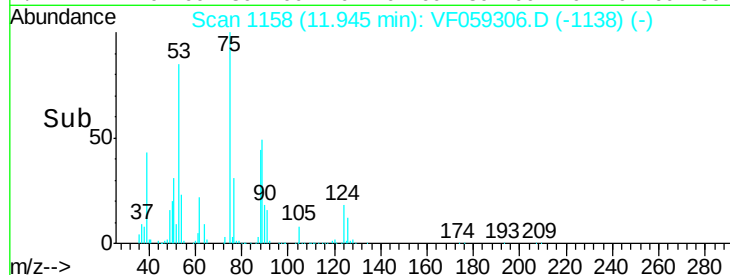
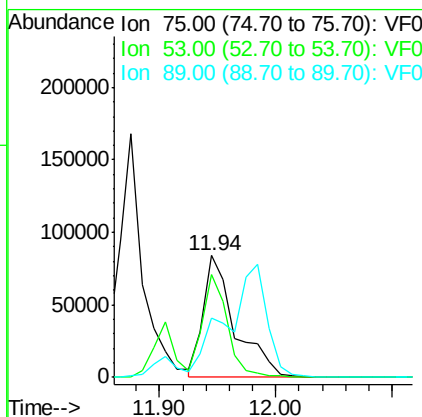
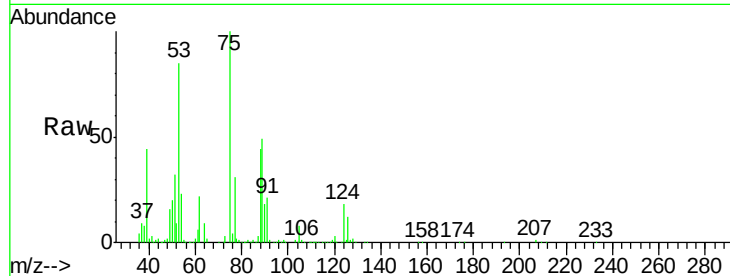
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	158187
Ion Ratio	Lower	Upper	
75	100		
53	84.5	68.8	103.2
89	48.8	42.0	63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 86.28 ug/l

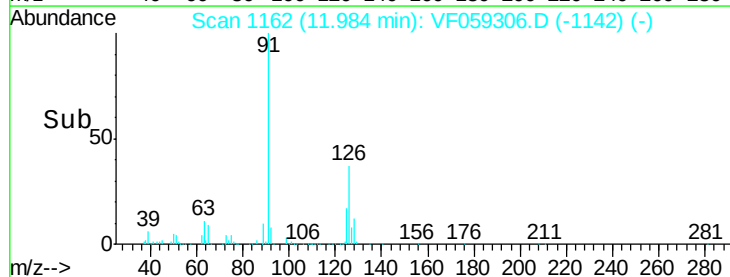
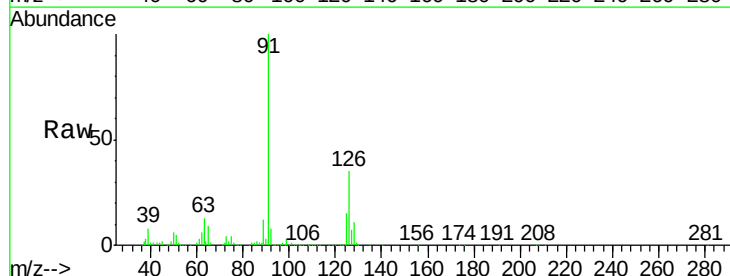
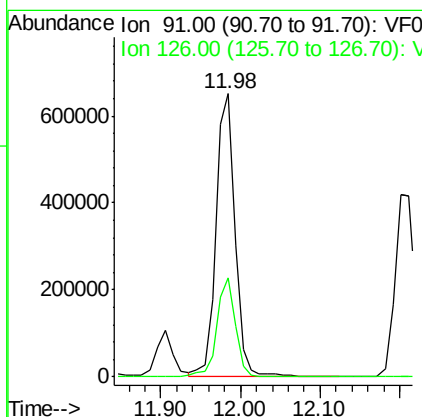
RT: 11.98 min Scan# 1162

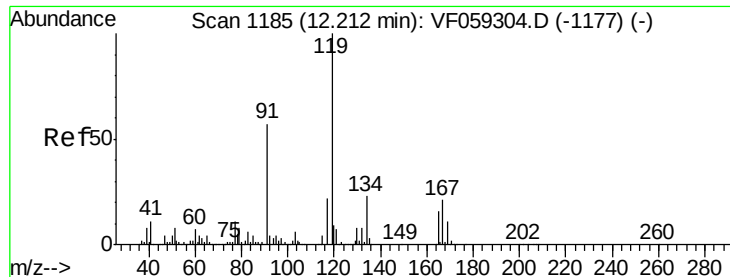
Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	91	Resp:	1091125
Ion Ratio	Lower	Upper	
91	100		
126	34.9	18.2	54.6





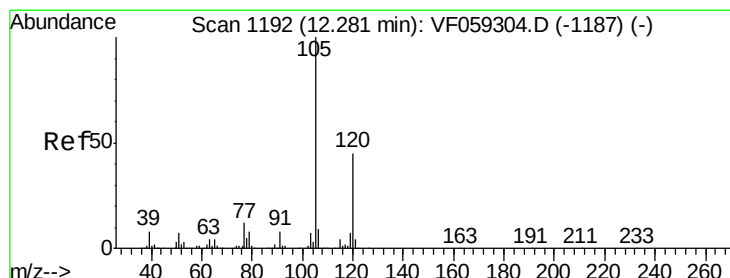
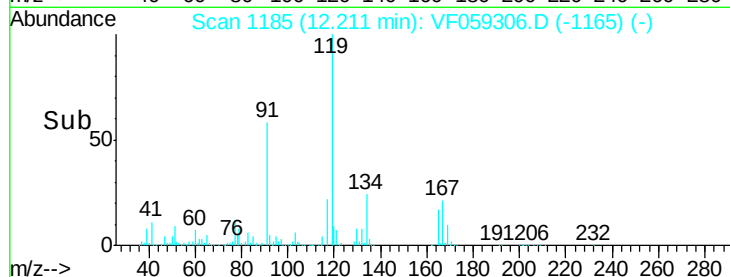
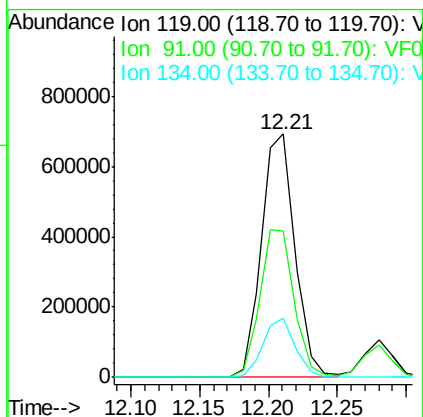
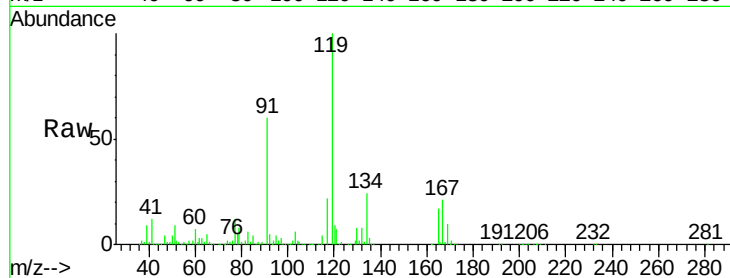
#83
 tert-Butylbenzene
 Concen: 83.51 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1176293
 Ion Ratio Lower Upper
 119 100
 91 60.1 28.4 85.2
 134 24.3 11.7 35.1

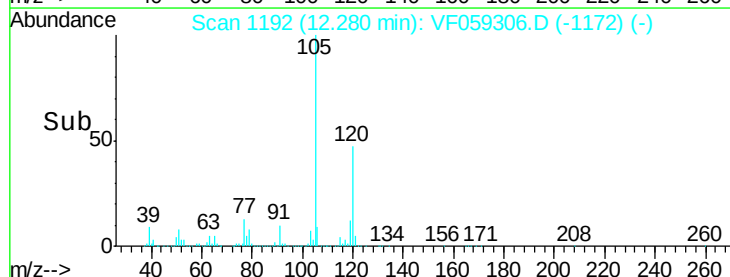
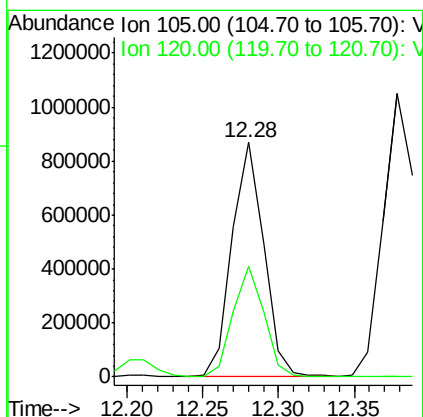
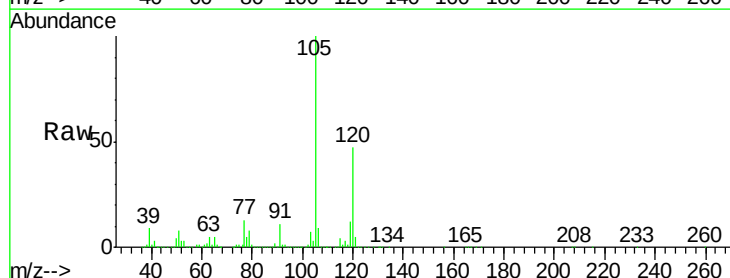
Manual Integrations
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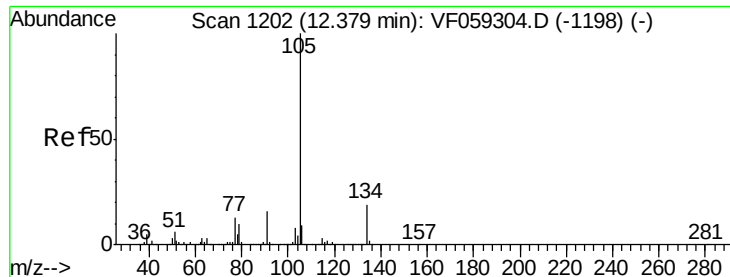
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#84
 1,2,4-Trimethylbenzene
 Concen: 86.22 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion:105 Resp: 1272417
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 84.85 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1605313

Ion Ratio Lower Upper

105 100

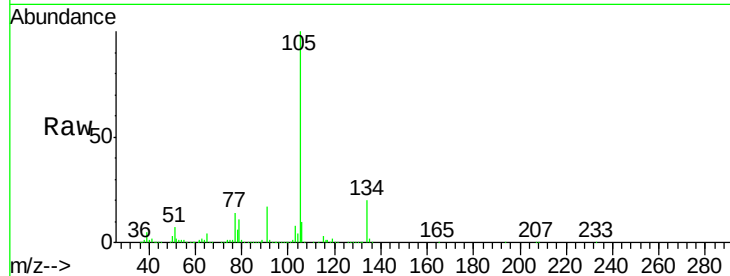
134 20.4 9.4 28.3

Manual Integrations

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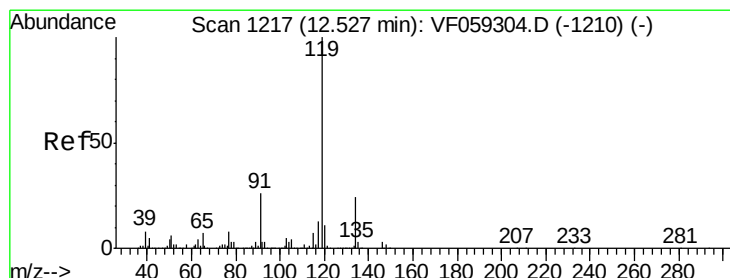
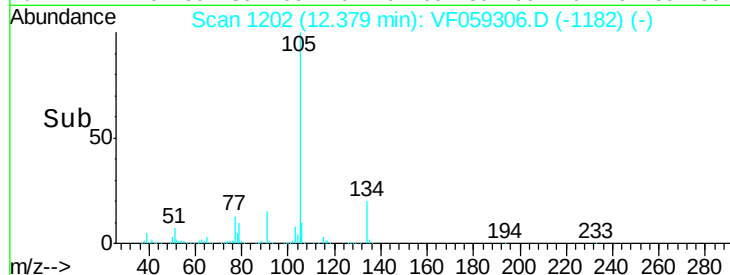
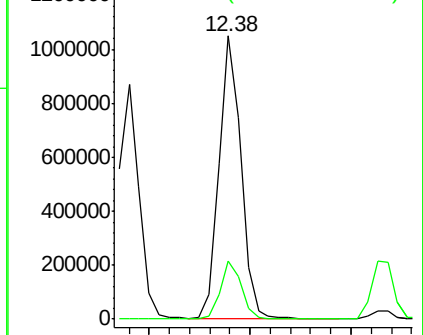
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 84.61 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

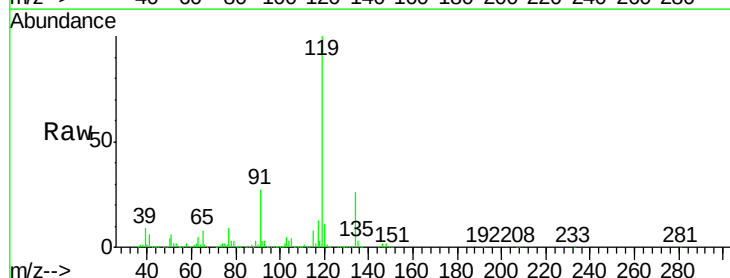
Tgt Ion:119 Resp: 1313056

Ion Ratio Lower Upper

119 100

134 25.7 12.2 36.4

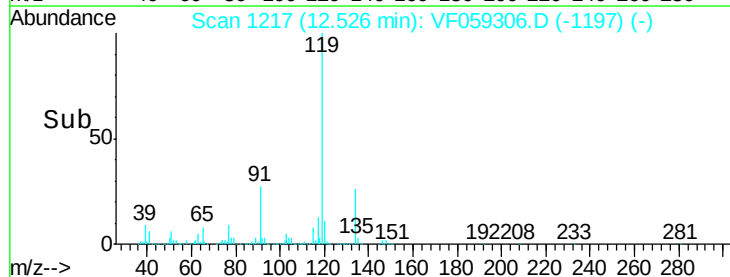
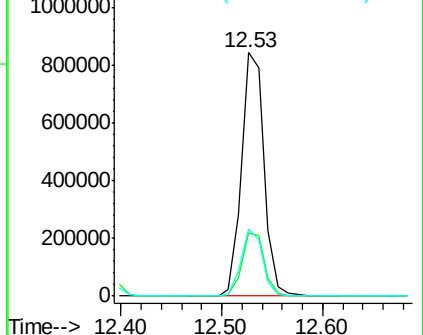
91 27.5 12.9 38.6

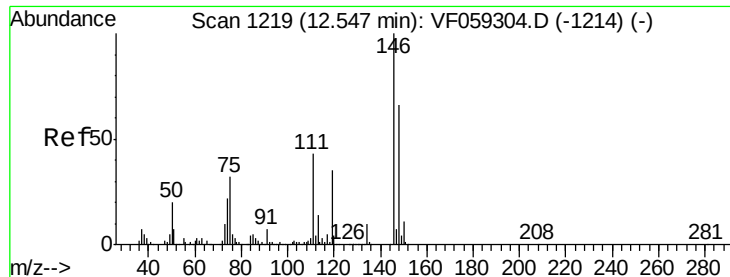


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





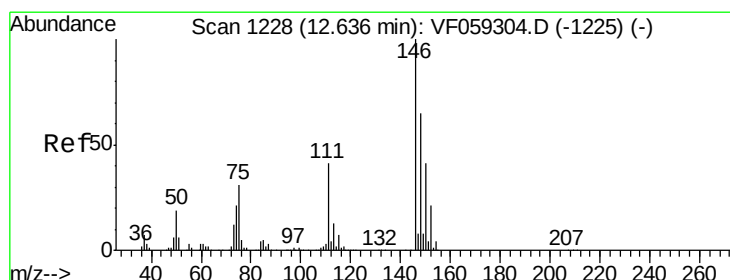
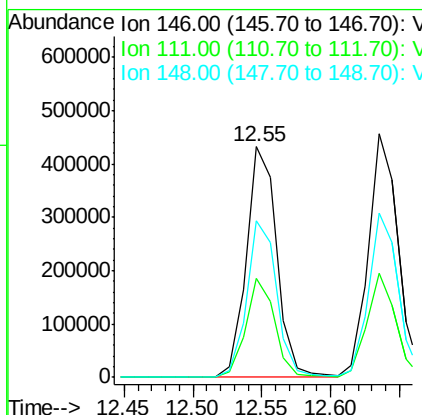
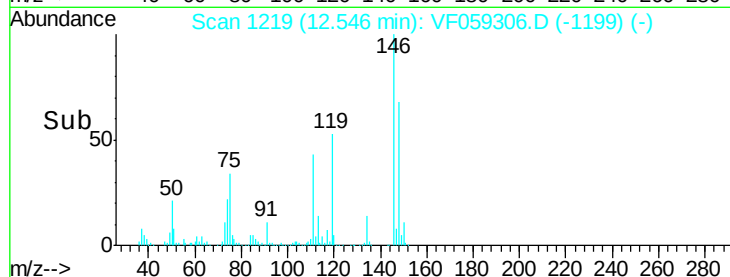
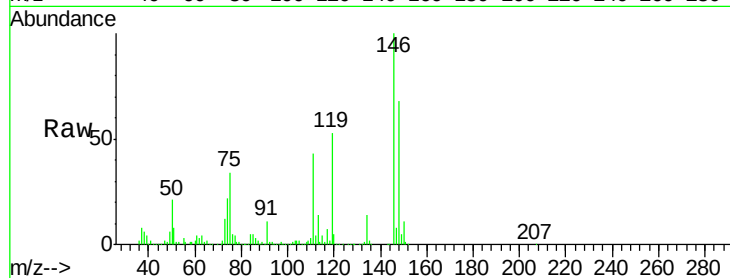
#87
 1,3-Dichlorobenzene
 Concen: 83.63 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	68.0	32.8	98.4

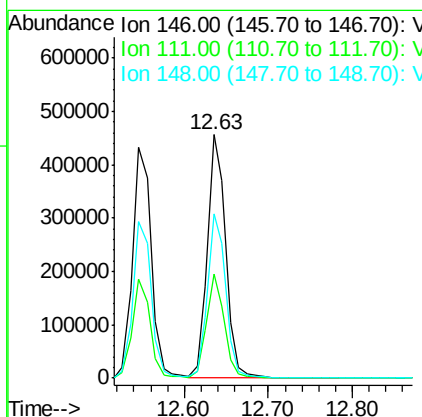
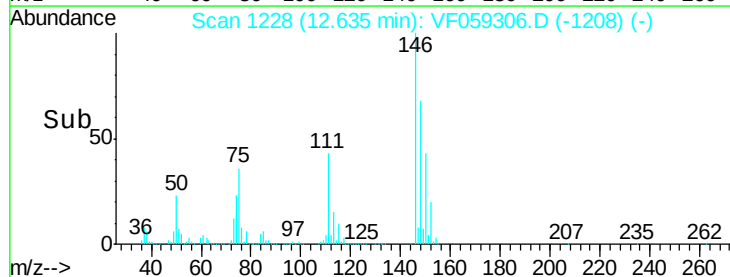
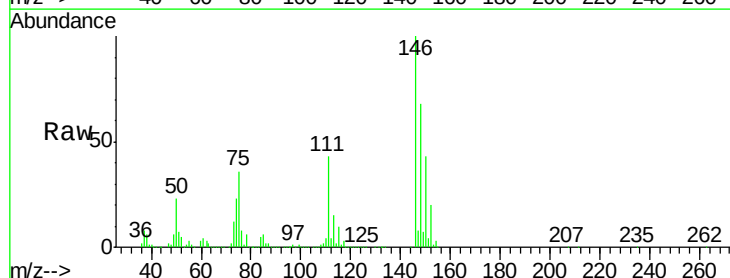
Manual Integrations
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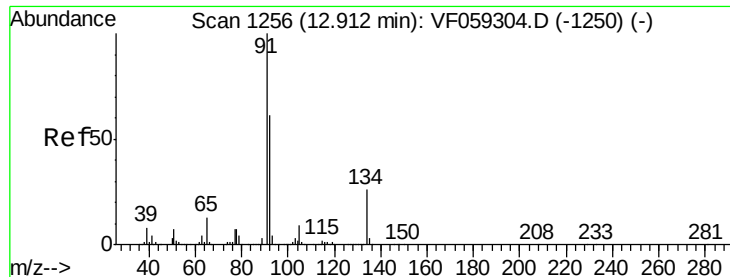
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#88
 1,4-Dichlorobenzene
 Concen: 87.09 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	67.5	32.8	98.3





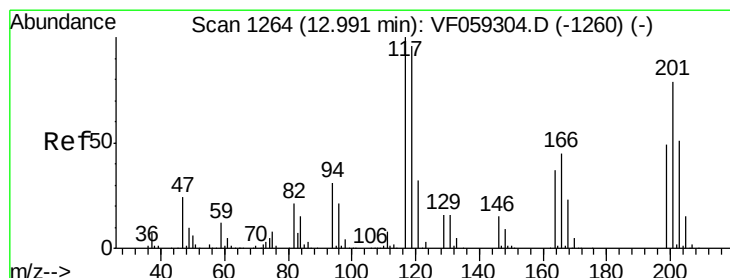
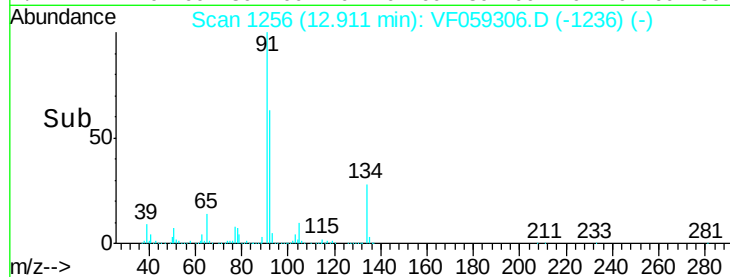
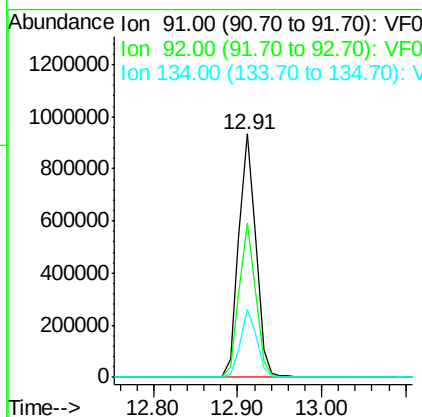
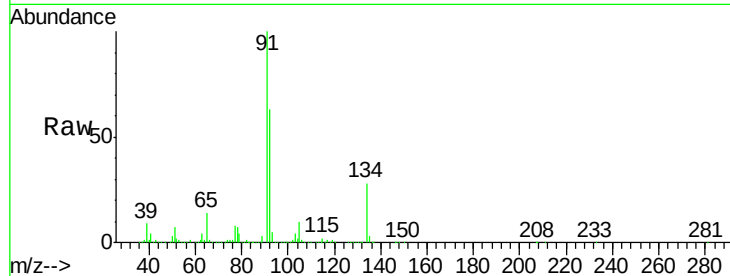
#89
n-Butylbenzene
Concen: 83.90 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	30.3	91.0
134	27.8	12.9	38.7

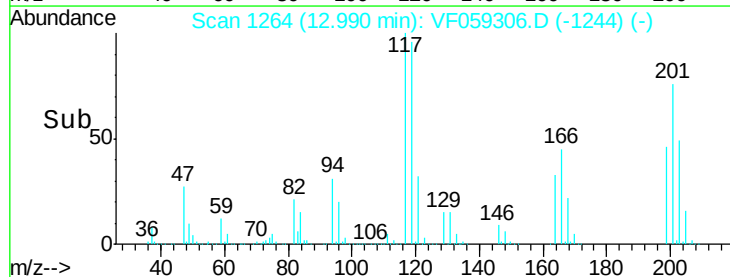
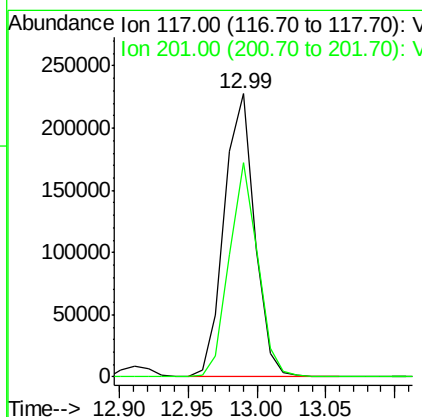
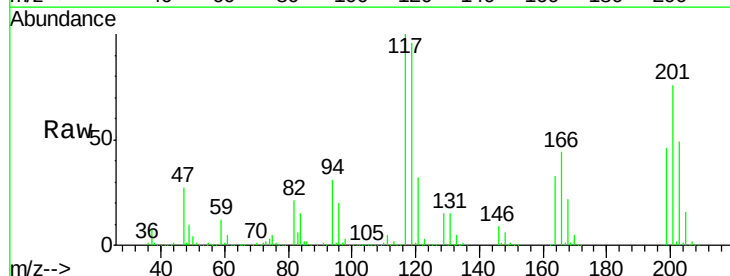
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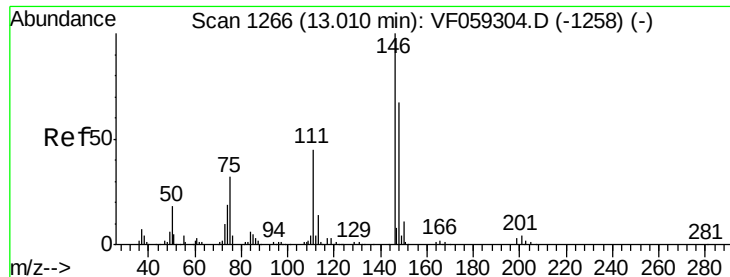
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#90
Hexachloroethane
Concen: 89.04 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 83.59 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

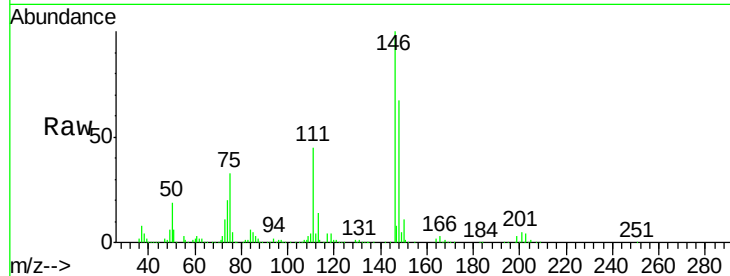
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	673187
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.7	68.0
148	67.1	33.5	100.4

Manual Integrations
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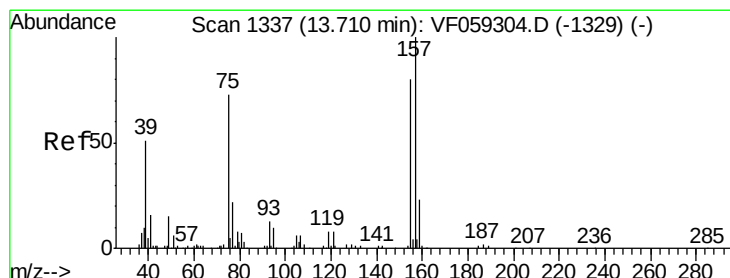
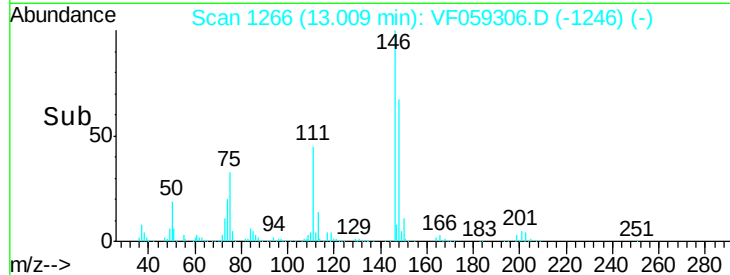
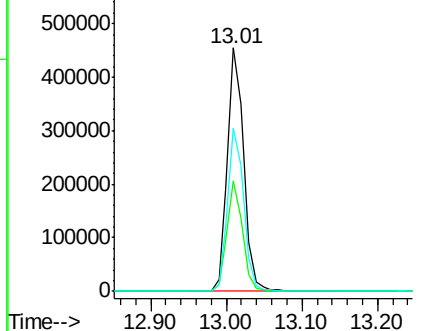
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 90.65 ug/l

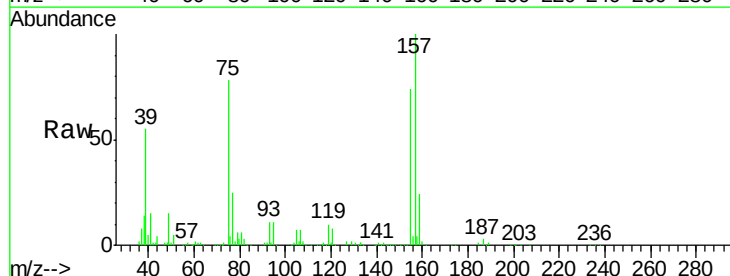
RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

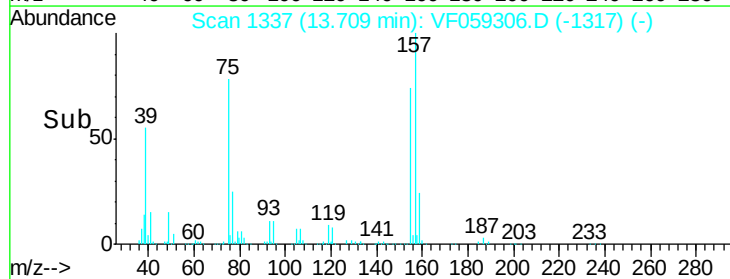
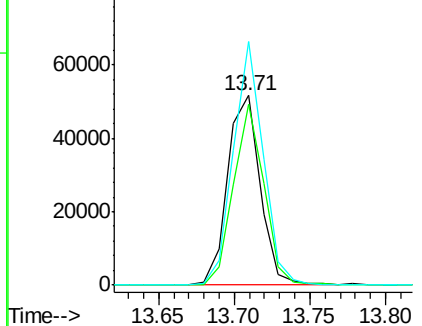
Tgt Ion:	75	Resp:	77414
Ion	Ratio	Lower	Upper
75	100		
155	95.4	54.6	163.8
157	128.5	68.7	205.9

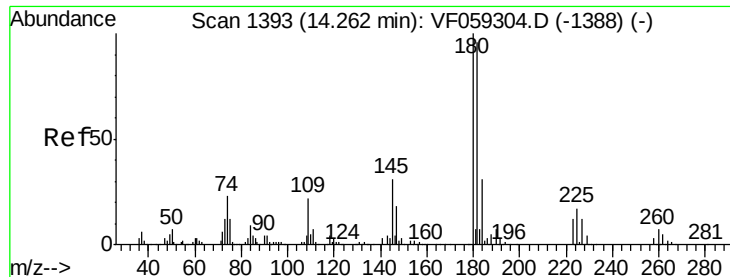


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





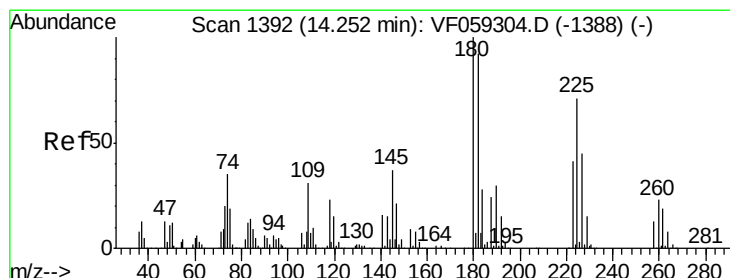
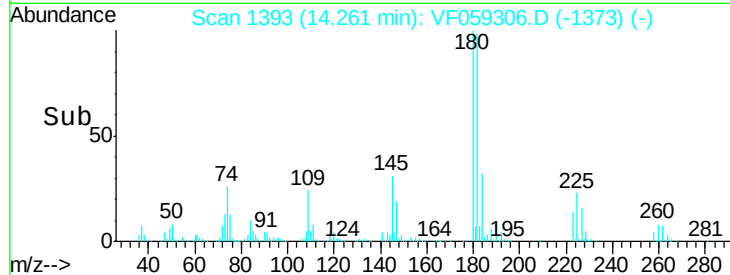
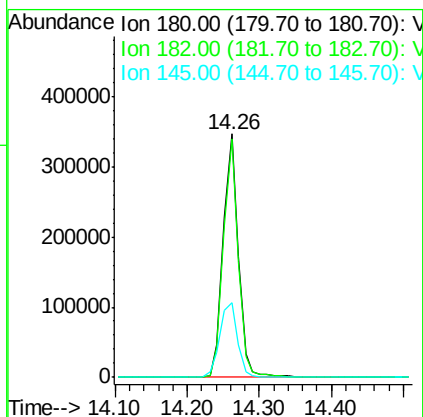
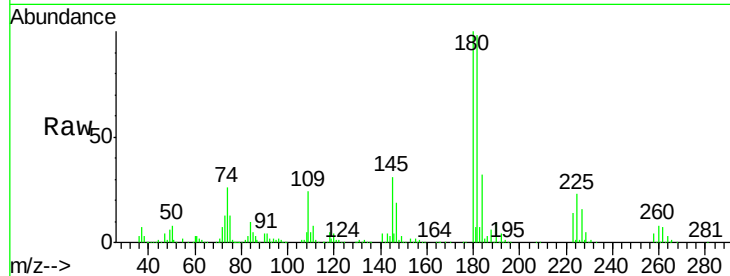
#93
 1,2,4-Trichlorobenzene
 Concen: 86.97 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	507769		
182	97.9	48.1	144.3	
145	30.9	15.3	45.8	

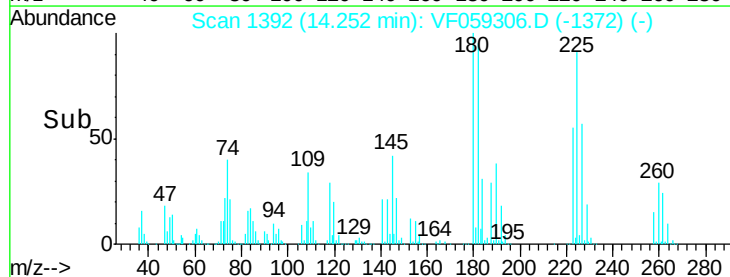
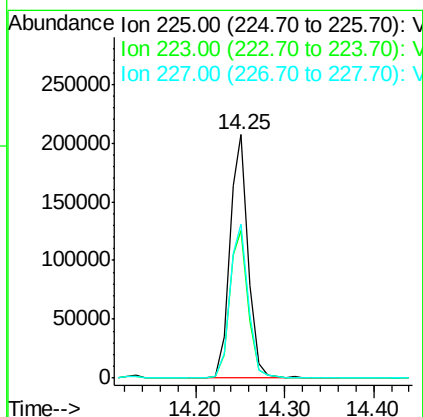
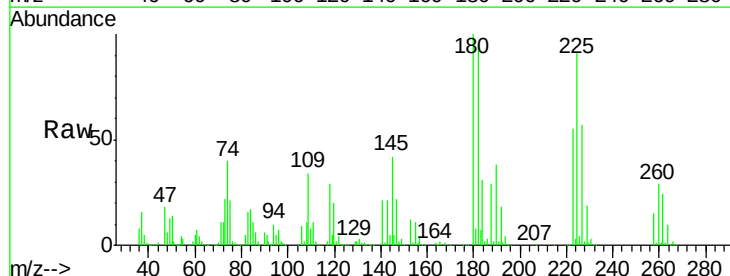
Manual Integrations
 APPROVED

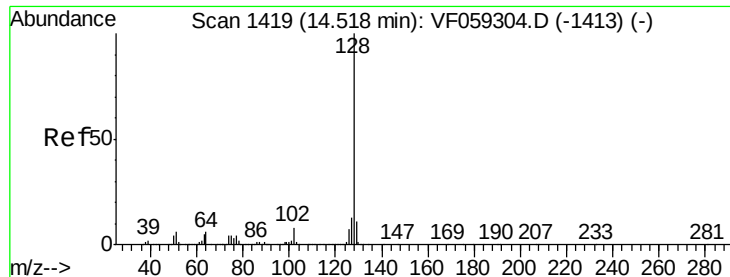
apatel
 6/26/2018 10:04:39 AM



#94
 Hexachlorobutadiene
 Concen: 87.45 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	298812		
223	60.5	28.9	86.8	
227	63.1	31.3	93.8	





#95

Naphthalene

Concen: 93.09 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

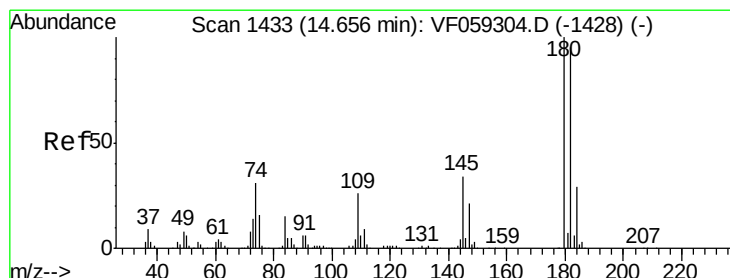
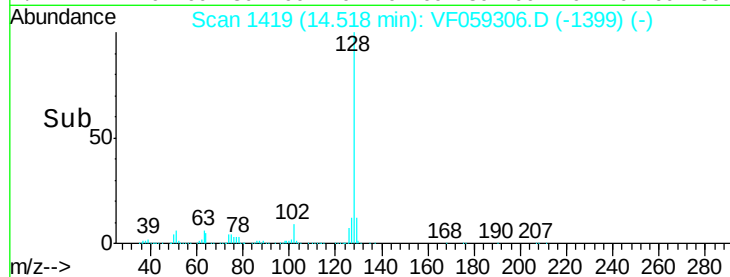
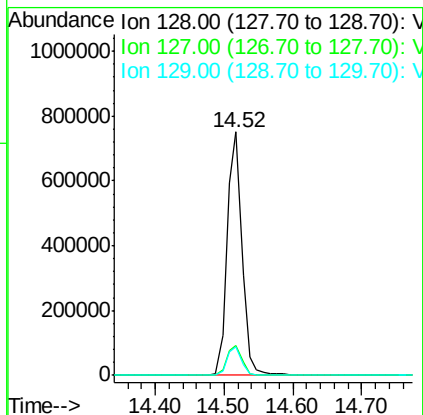
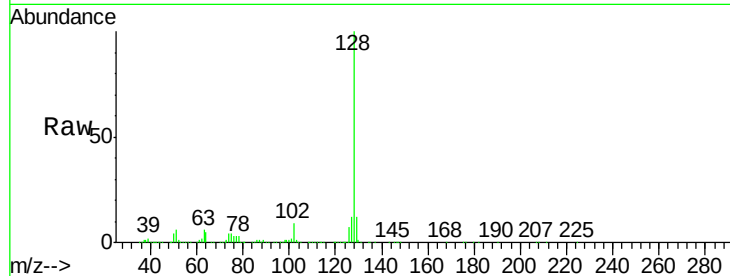
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	1120356
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.5	8.8	13.2

Manual Integrations
APPROVED

apatel
6/26/2018 10:04:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 90.30 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion:	180	Resp:	495915
Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.5	142.5
145	35.3	17.0	50.9

