

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059639.D
 Acq On : 24 Jul 2018 18:26
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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Quant Time: Jul 25 01:52:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	330278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	308590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	193084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	325126	91.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.88%	
35) Dibromofluoromethane	4.28	113	286229	94.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.44%	
50) Toluene-d8	7.70	98	725288	95.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.76%	
62) 4-Bromofluorobenzene	11.50	95	355466	82.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	244978	86.820	ug/l	99
3) Chloromethane	1.08	50	132425	99.399	ug/l	97
4) Vinyl Chloride	1.16	62	137781	94.075	ug/l	95
5) Bromomethane	1.33	94	106805	85.505	ug/l	95
6) Chloroethane	1.41	64	81253	90.856	ug/l	91
7) Trichlorofluoromethane	1.52	101	368078m	92.947	ug/l	
8) Diethyl Ether	1.70	74	53305	95.157	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	192016	94.381	ug/l	94
10) Methyl Iodide	1.96	142	309431m	92.352	ug/l	
11) Tert butyl alcohol	2.67	59	58118	409.520	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	152602	96.053	ug/l	83
13) Acrolein	2.08	56	31554	452.920	ug/l	84
14) Allyl chloride	2.18	41	259787	90.372	ug/l	97
15) Acrylonitrile	3.06	53	106757	487.096	ug/l #	84
16) Acetone	2.33	43	216421	364.234	ug/l	99
17) Carbon Disulfide	1.84	76	371942	90.067	ug/l	99
18) Methyl Acetate	2.44	43	77316	76.698	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	414486	90.095	ug/l	99
20) Methylene Chloride	2.27	84	135274	75.261	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	152000	92.209	ug/l	97
22) Diisopropyl ether	2.91	45	509913	97.014	ug/l	97
23) Vinyl Acetate	3.32	43	1227108	468.478	ug/l	97
24) 1,1-Dichloroethane	2.99	63	352664	93.147	ug/l	99
25) 2-Butanone	4.50	43	278127	448.384	ug/l	94
26) 2,2-Dichloropropane	3.75	77	269767	85.585	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	189792	100.332	ug/l	94
28) Bromochloromethane	3.87	49	117953	84.771	ug/l	91
29) Tetrahydrofuran	4.24	42	107468	425.249	ug/l	95
30) Chloroform	4.03	83	482741	92.368	ug/l	97
31) Cyclohexane	3.85	56	199300	93.901	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	393970	84.272	ug/l	97
36) 1,1-Dichloropropene	4.44	75	314173	94.592	ug/l	99
37) Ethyl Acetate	4.27	43	118883	90.959	ug/l #	69
38) Carbon Tetrachloride	4.15	117	407967	81.149	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	253497	94.625	ug/l	95
40) Benzene	4.79	78	558770	92.026	ug/l	98
41) Methacrylonitrile	4.90	41	59424	92.048	ug/l	92
42) 1,2-Dichloroethane	5.10	62	339569	84.529	ug/l	100
43) Isopropyl Acetate	7.10	43	149782	92.027	ug/l #	99
44) Trichloroethene	5.66	130	208345	89.928	ug/l	92
45) 1,2-Dichloropropane	6.39	63	152926	94.193	ug/l	99
46) Dibromomethane	6.24	93	124903	94.636	ug/l	99
47) Bromodichloromethane	6.53	83	374050	92.550	ug/l	92
48) Methyl methacrylate	6.86	41	110121	88.863	ug/l	93
49) 1,4-Dioxane	6.84	88	15861	1820.775	ug/l #	91
51) 4-Methyl-2-Pentanone	8.39	43	530974	436.088	ug/l	98
52) Toluene	7.77	92	391299	85.209	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	289654	85.626	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	311608	92.470	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	136639	89.696	ug/l	99
56) Ethyl methacrylate	8.75	69	150128	88.899	ug/l	93
57) 1,3-Dichloropropane	8.99	76	232454	87.323	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	83532	416.725	ug/l	100
59) 2-Hexanone	9.61	43	407286	421.048	ug/l	93
60) Dibromochloromethane	8.86	129	248369	90.797	ug/l	97
61) 1,2-Dibromoethane	9.12	107	159204	90.802	ug/l	100
64) Tetrachloroethene	8.29	164	220340	95.363	ug/l	96
65) Chlorobenzene	9.93	112	531489	94.468	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	238550	93.063	ug/l	98
67) Ethyl Benzene	10.03	91	927299	91.006	ug/l	99
68) m/p-Xylenes	10.25	106	661935	187.244	ug/l	99
69) o-Xylene	10.82	106	370931	97.300	ug/l	94
70) Styrene	10.90	104	506908	89.258	ug/l	98
71) Bromoform	10.88	173	142426	90.513	ug/l	91
73) Isopropylbenzene	11.22	105	1094303	89.398	ug/l	100
74) N-amyl acetate	11.46	43	271206	100.868	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	176309	87.132	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	147954	83.487	ug/l	97
77) Bromobenzene	11.59	156	270921	86.773	ug/l	99
78) n-propylbenzene	11.68	91	1273422	87.206	ug/l	95
79) 2-Chlorotoluene	11.80	91	775526	88.319	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	984169	89.589	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	89557	122.074	ug/l	97
82) 4-Chlorotoluene	11.98	91	851274	87.477	ug/l	97
83) tert-Butylbenzene	12.21	119	977719	90.114	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	973325	87.475	ug/l	97
85) sec-Butylbenzene	12.38	105	1257591	89.278	ug/l	99
86) p-Isopropyltoluene	12.53	119	1134380	91.997	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	511305	84.321	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	513375	90.817	ug/l	96
89) n-Butylbenzene	12.92	91	1068475	90.201	ug/l	93
90) Hexachloroethane	12.99	117	275282	89.427	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	499404	87.536	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	48421	98.361	ug/l	99

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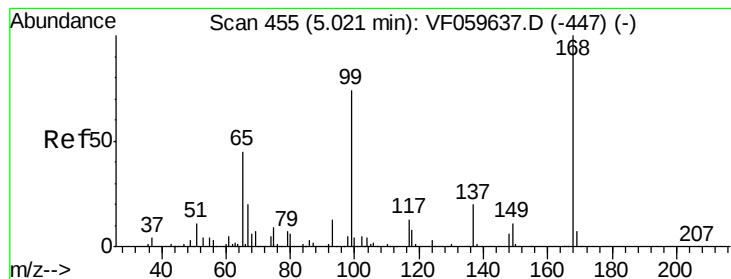
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	393630	92.332	ug/l	97
94) Hexachlorobutadiene	14.25	225	277313	93.192	ug/l	94
95) Naphthalene	14.51	128	715621	104.131	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	368963	95.457	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 229341

Ion Ratio Lower Upper

168 100

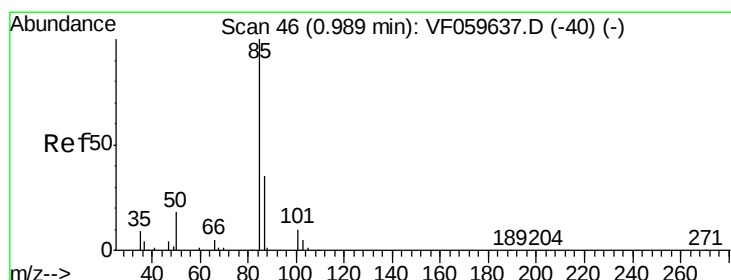
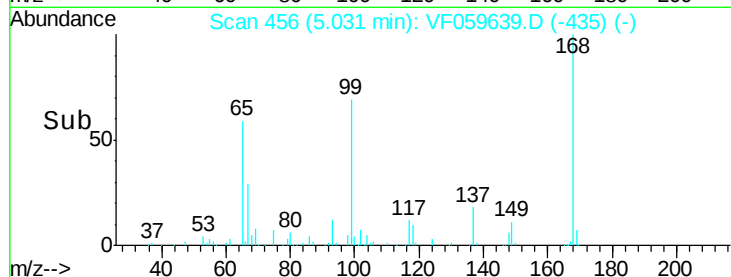
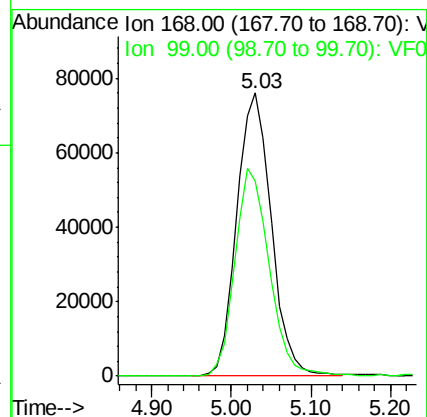
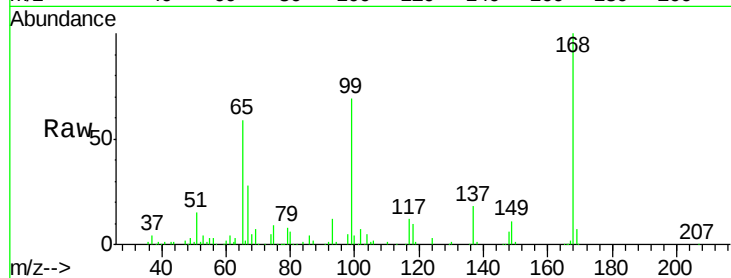
99 69.0 59.5 89.3

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#2

Dichlorodifluoromethane

Concen: 86.820 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059639.D

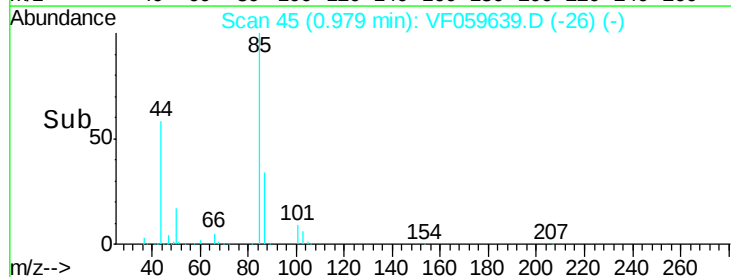
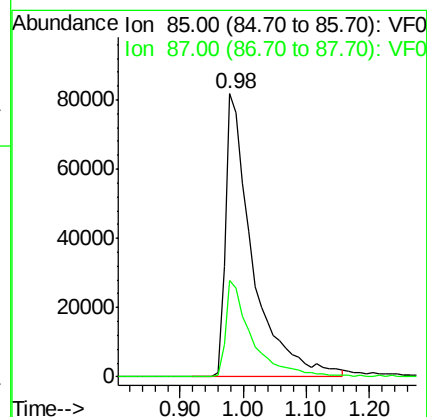
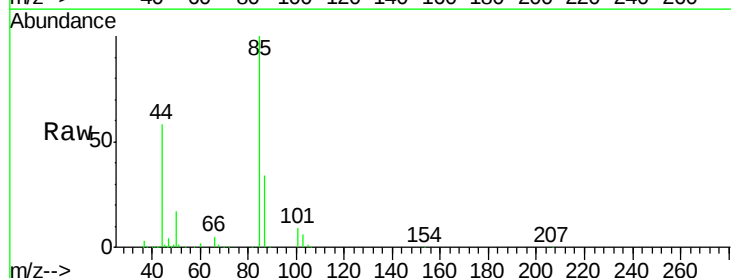
Acq: 24 Jul 2018 18:26

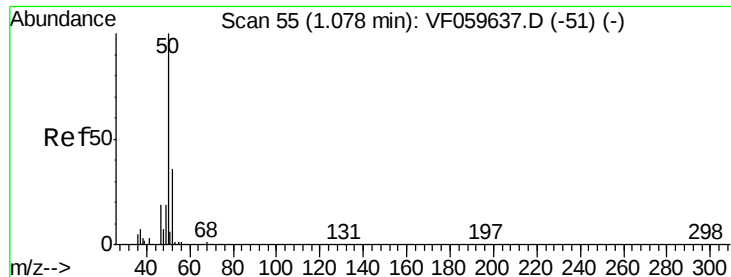
Tgt Ion: 85 Resp: 244978

Ion Ratio Lower Upper

85 100

87 34.0 17.4 52.2





#3

Chloromethane

Concen: 99.399 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 132425

Ion Ratio Lower Upper

50 100

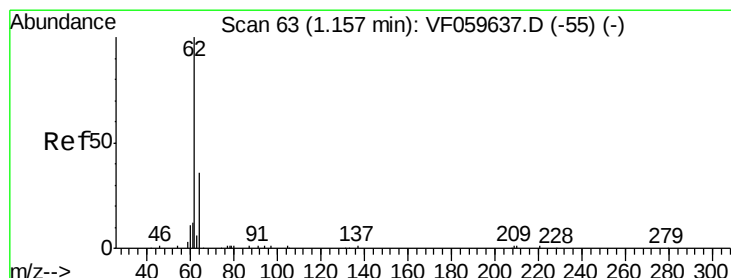
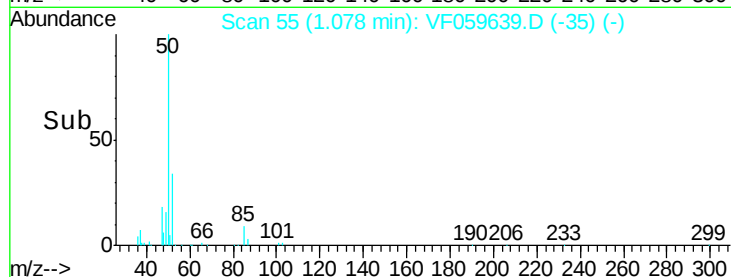
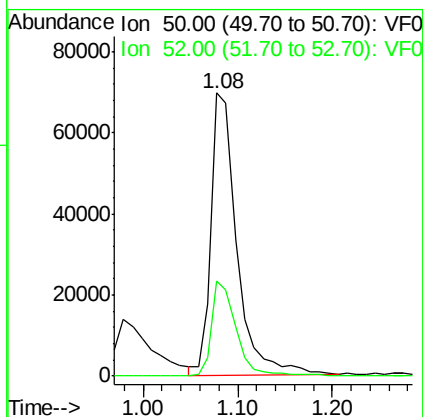
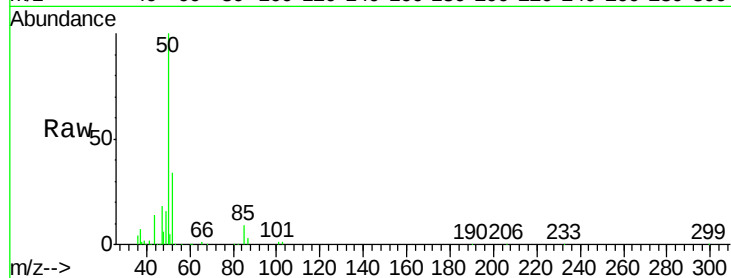
52 33.5 28.0 42.0

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#4

Vinyl Chloride

Concen: 94.075 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059639.D

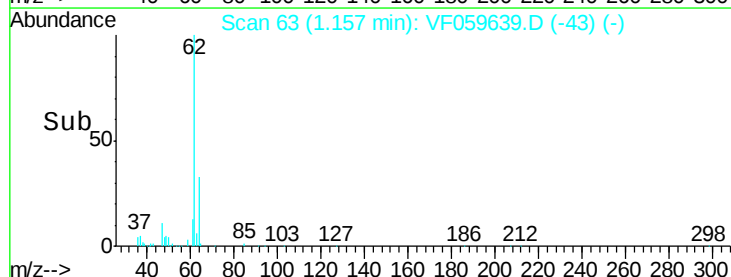
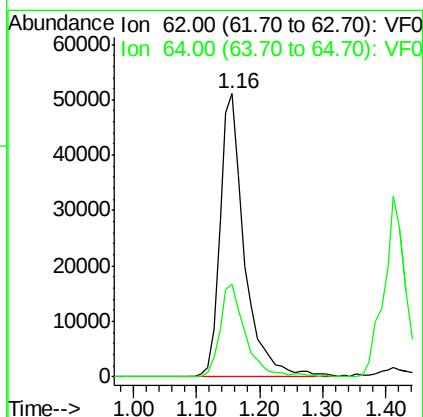
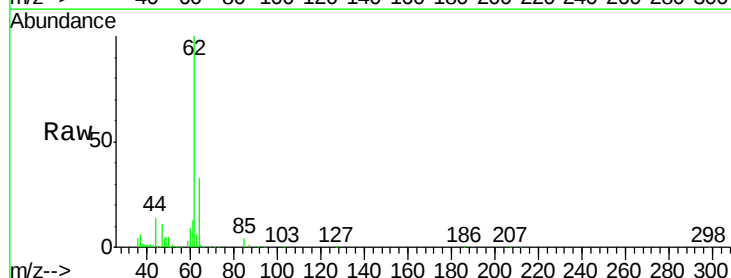
Acq: 24 Jul 2018 18:26

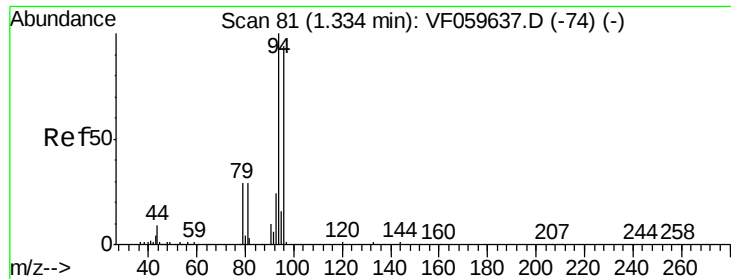
Tgt Ion: 62 Resp: 137781

Ion Ratio Lower Upper

62 100

64 32.9 28.6 43.0





#5

Bromomethane

Concen: 85.505 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 106805

Ion Ratio Lower Upper

94 100

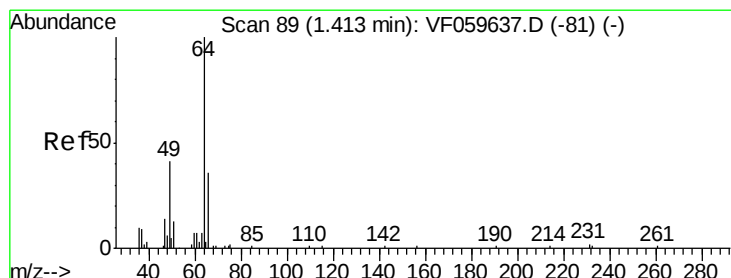
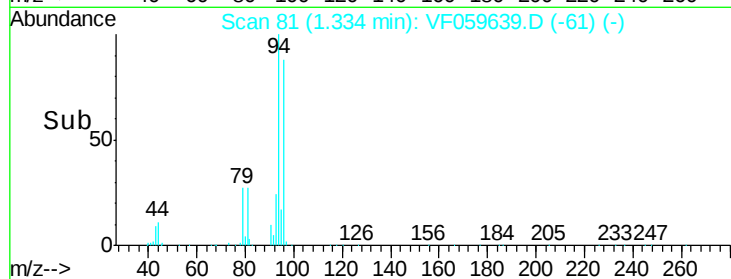
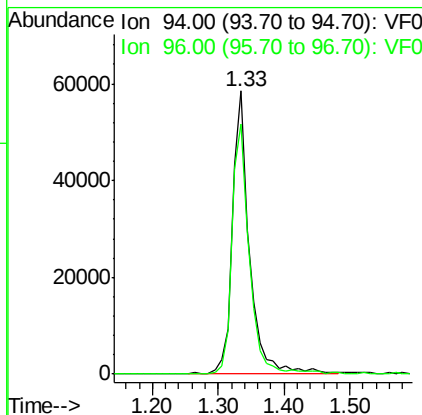
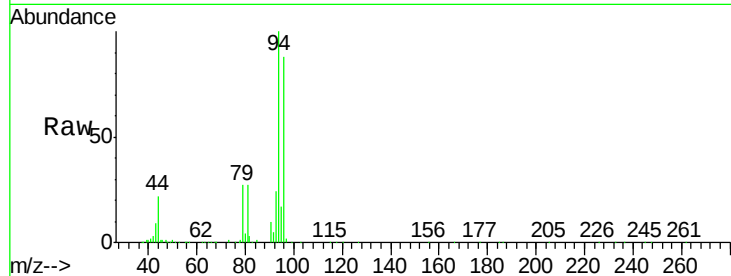
96 88.4 74.6 112.0

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#6

Chloroethane

Concen: 90.856 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059639.D

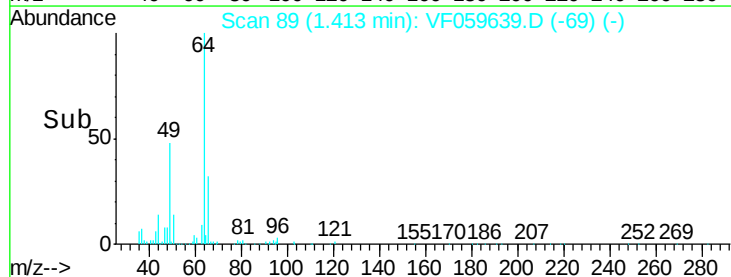
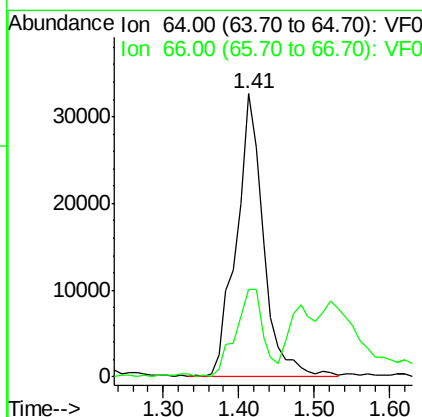
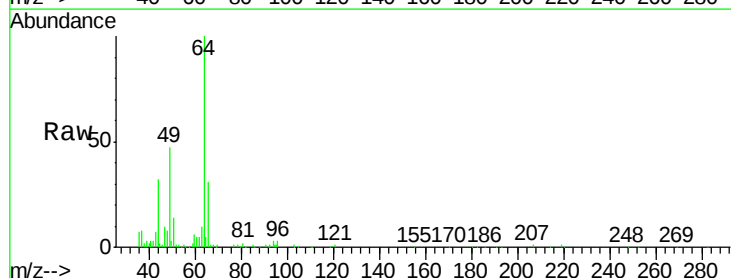
Acq: 24 Jul 2018 18:26

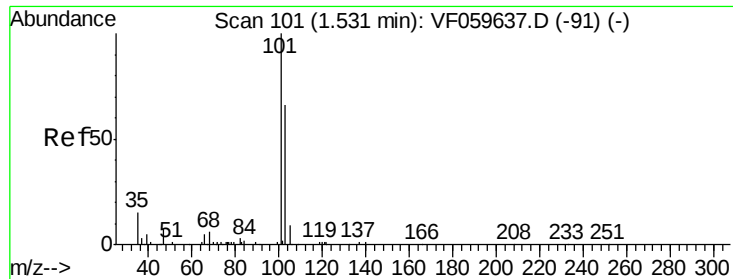
Tgt Ion: 64 Resp: 81253

Ion Ratio Lower Upper

64 100

66 31.0 29.0 43.6





#7

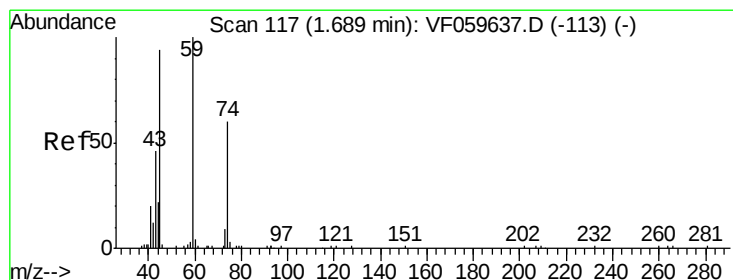
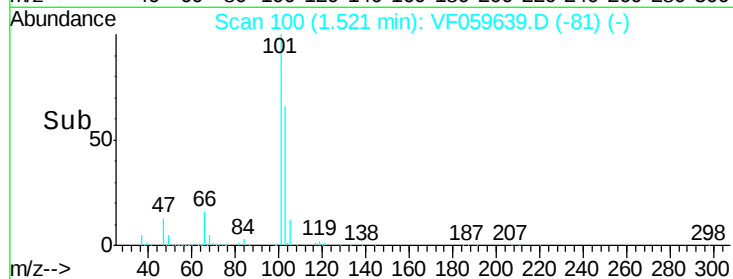
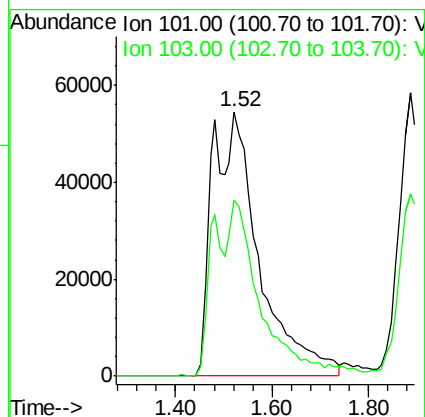
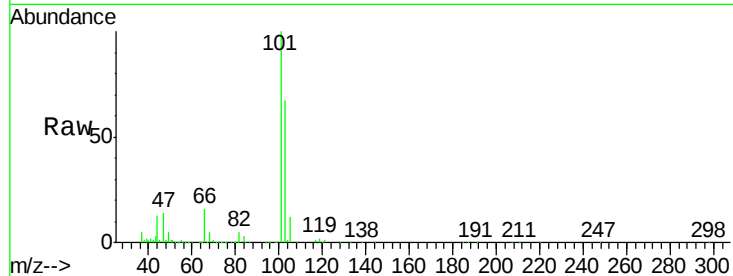
Trichlorofluoromethane
 Concen: 92.947 ug/l m
 RT: 1.52 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.5	78.7

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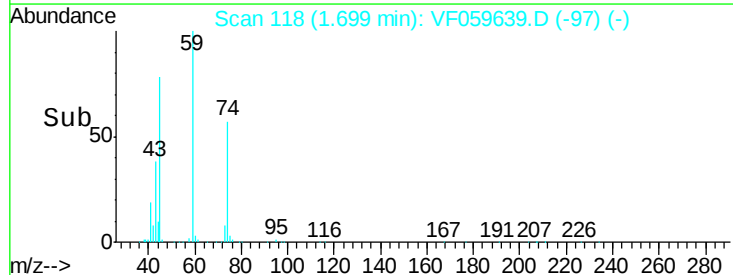
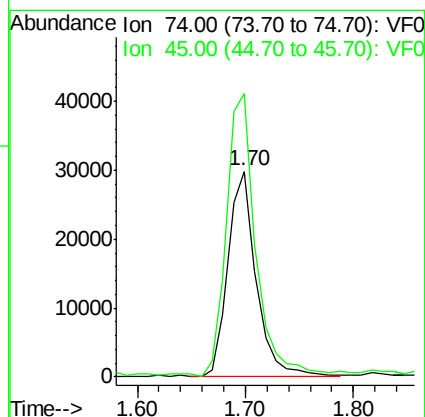
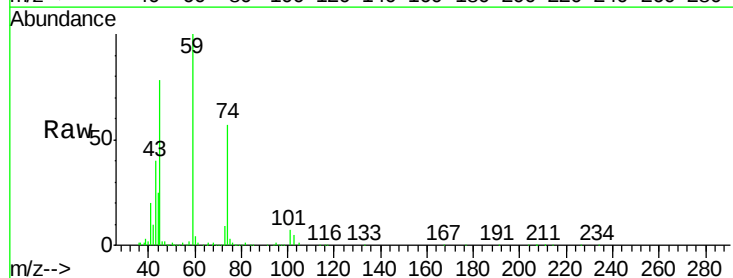
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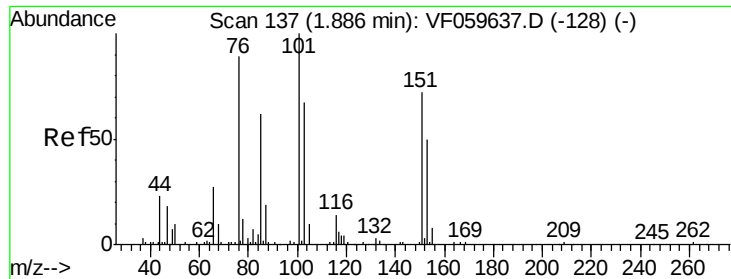


#8

Diethyl Ether
 Concen: 95.157 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. 0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.8	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.381 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

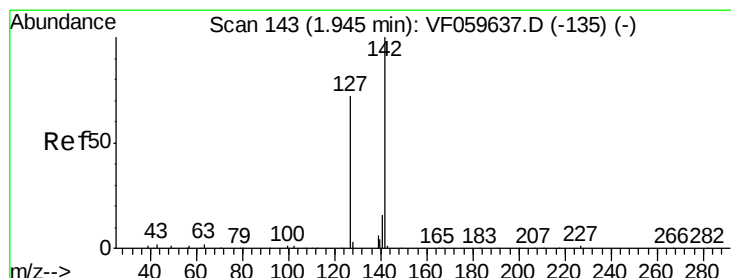
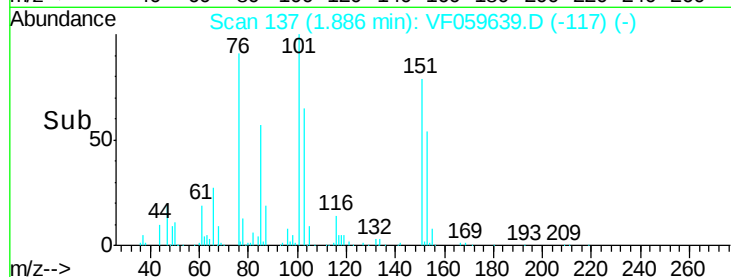
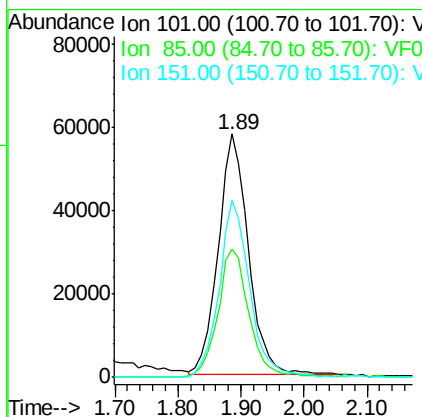
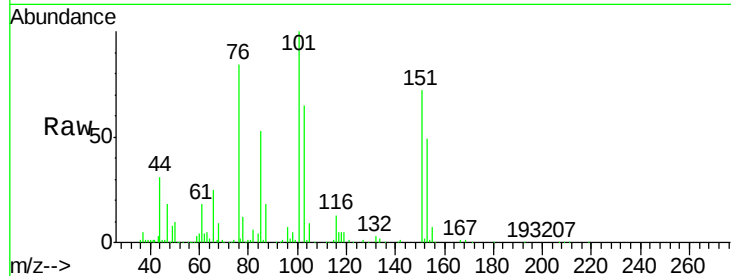
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	192016
Ion Ratio	Lower	Upper	
101	100		
85	52.6	49.0	73.4
151	72.5	56.8	85.2

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#10

Methyl Iodide

Concen: 92.352 ug/l m

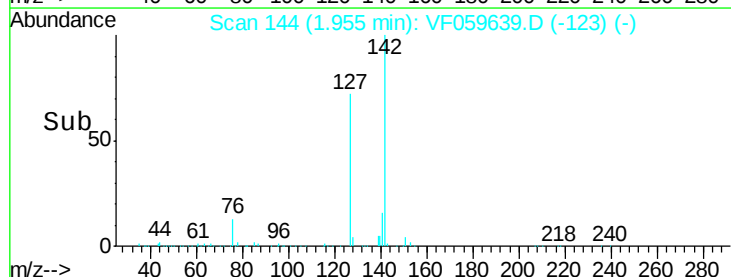
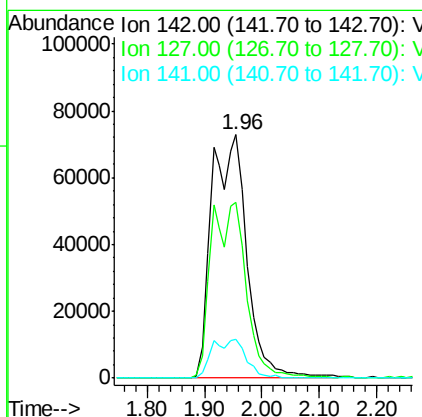
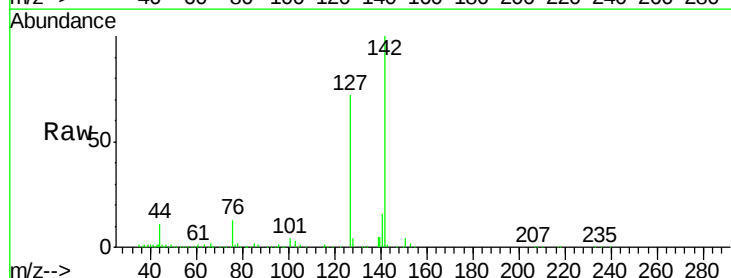
RT: 1.96 min Scan# 144

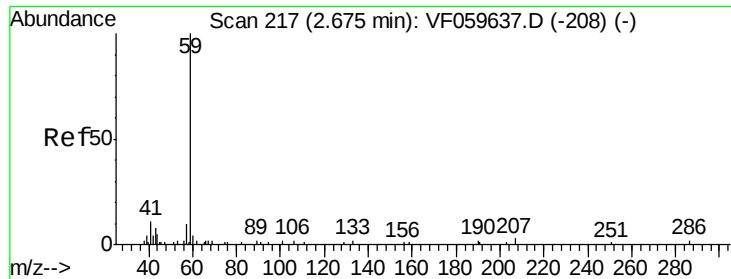
Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	142	Resp:	309431
Ion Ratio	Lower	Upper	
142	100		
127	72.2	57.5	86.3
141	15.8	13.2	19.8





#11

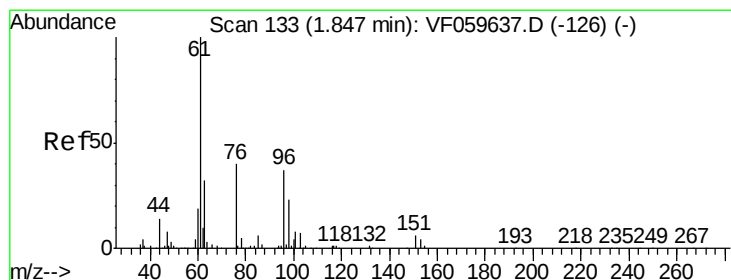
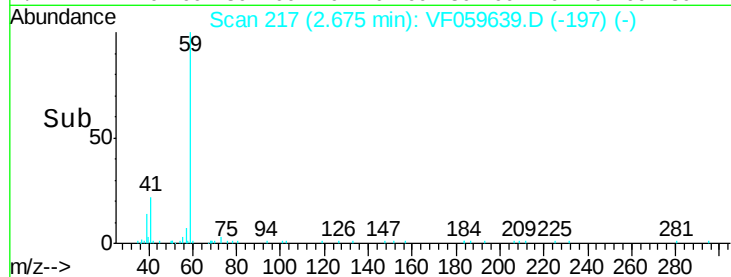
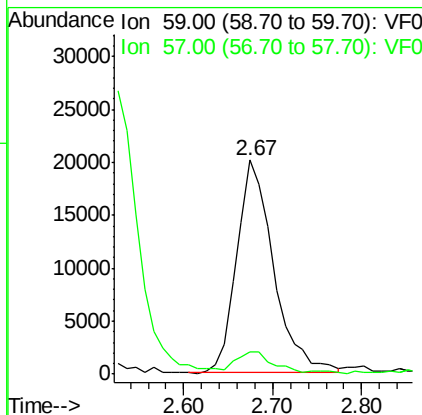
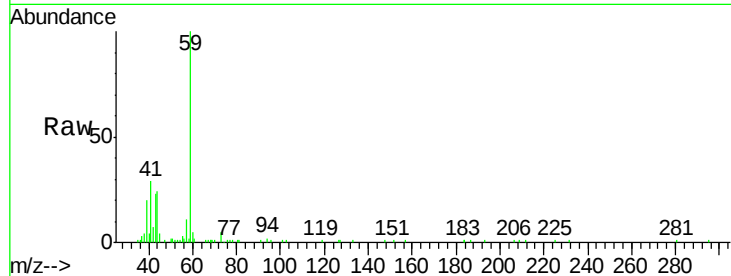
Tert butyl alcohol
 Concen: 409.520 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	11.4	17.2#

Manual Integrations
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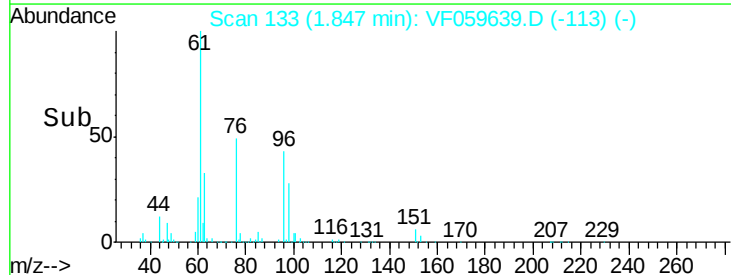
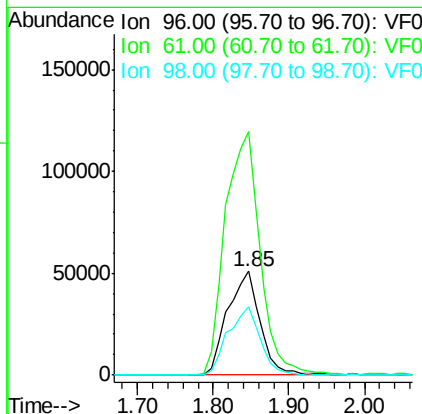
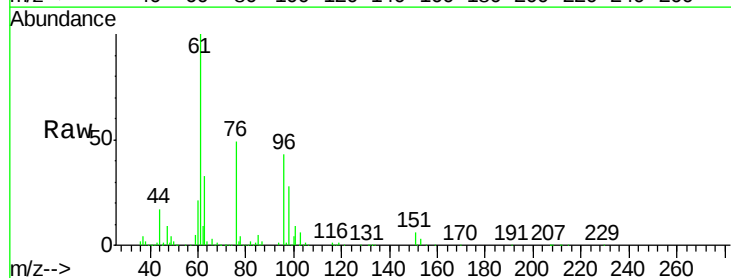
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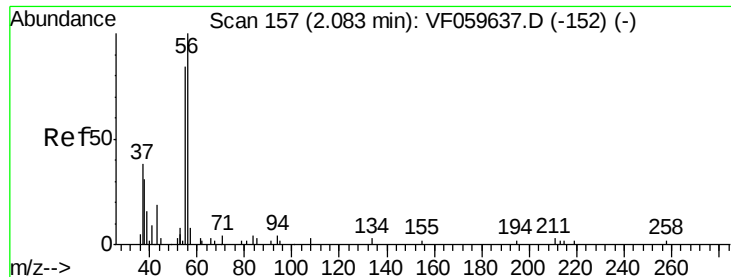


#12

1,1-Dichloroethene
 Concen: 96.053 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.4	218.2	327.4
98	65.5	50.6	76.0





#13

Acrolein

Concen: 452.920 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 31554

Ion Ratio Lower Upper

56 100

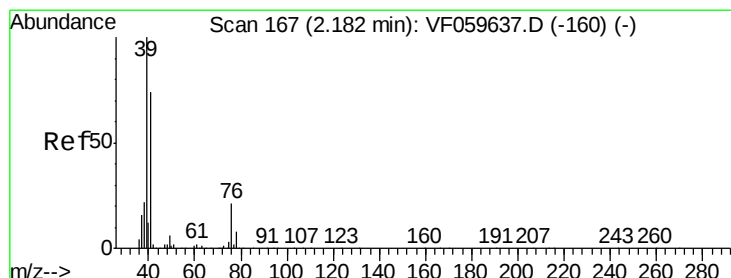
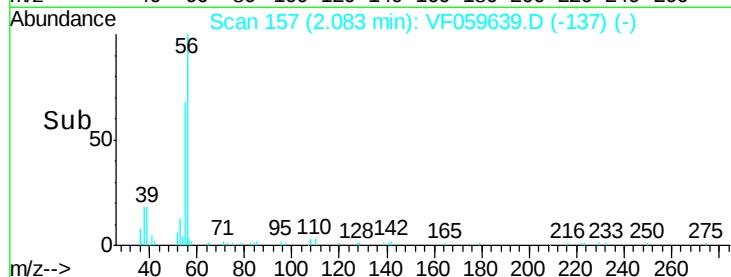
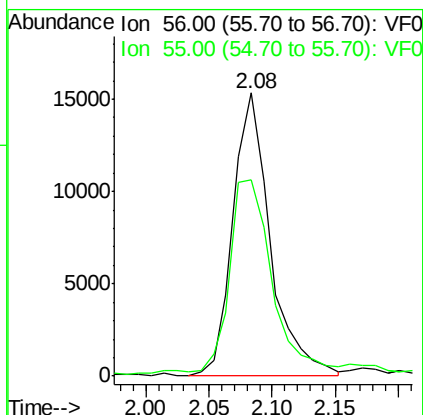
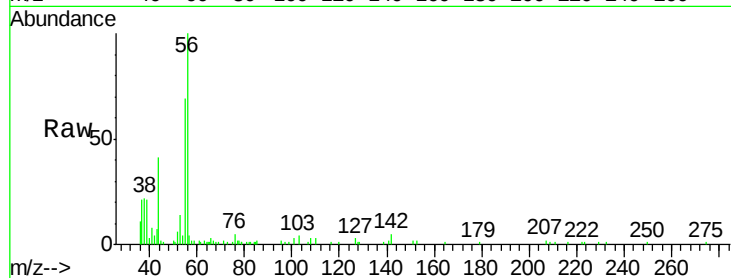
55 69.2 67.2 100.8

Manual Integrations

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#14

Allyl chloride

Concen: 90.372 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

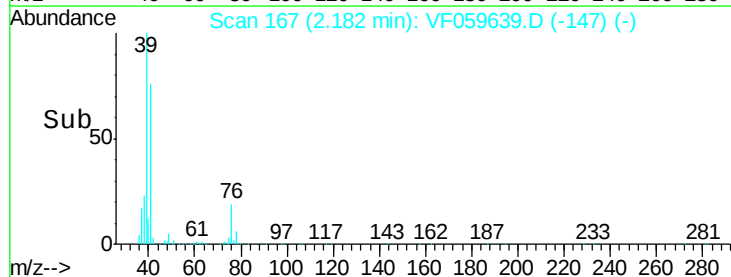
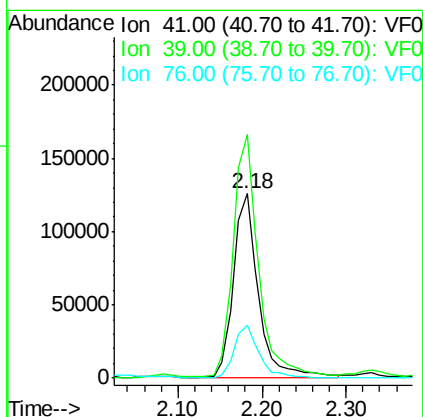
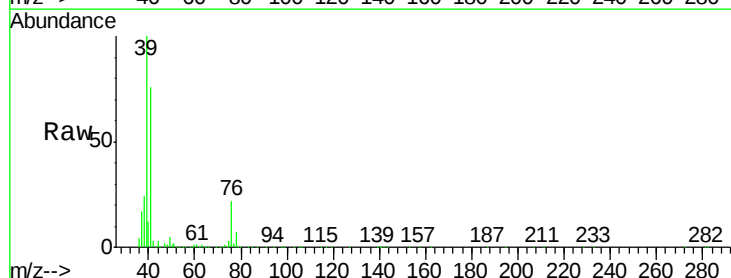
Tgt Ion: 41 Resp: 259787

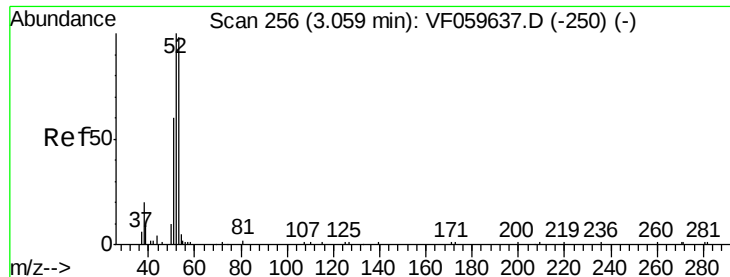
Ion Ratio Lower Upper

41 100

39 132.2 108.6 162.8

76 28.5 23.0 34.6





#15

Acrylonitrile

Concen: 487.096 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

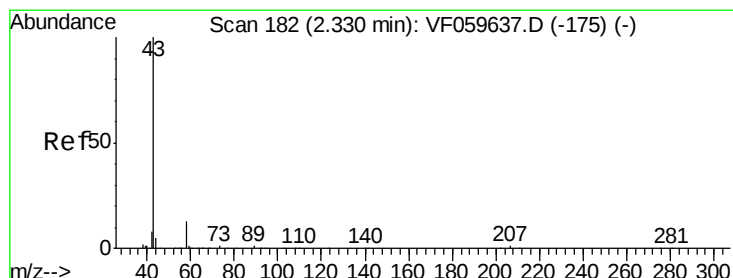
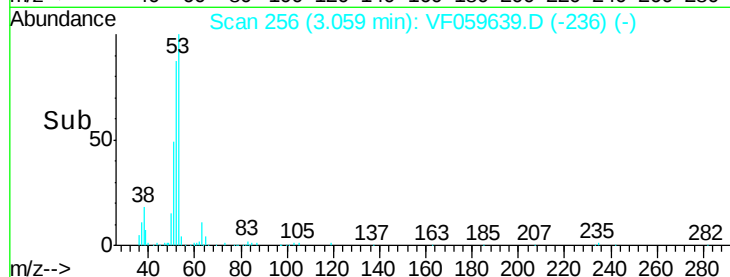
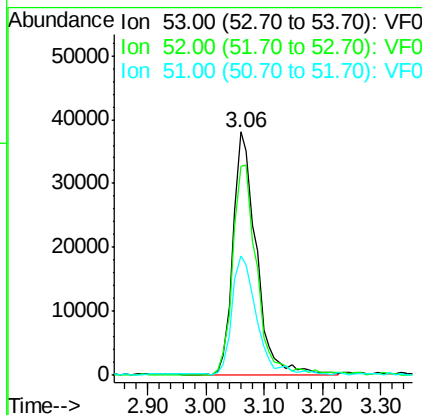
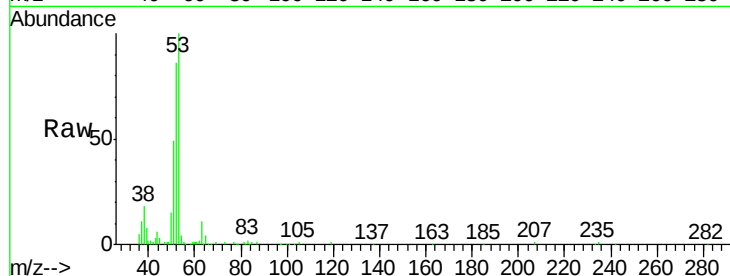
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	106757
Ion	Ratio	Lower	Upper
53	100		
52	85.8	80.9	121.3
51	49.1	49.4	74.2#

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#16

Acetone

Concen: 364.234 ug/l

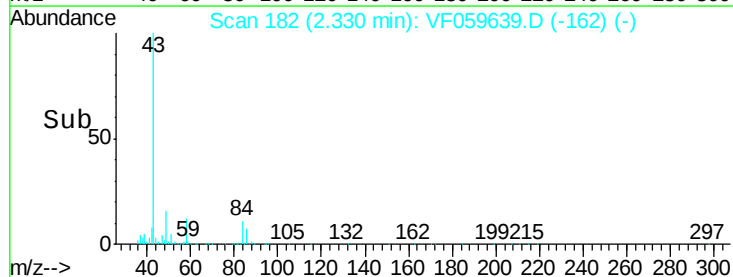
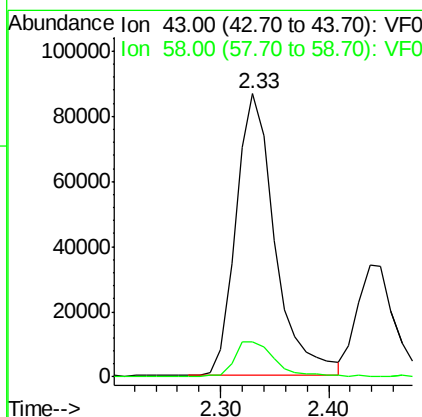
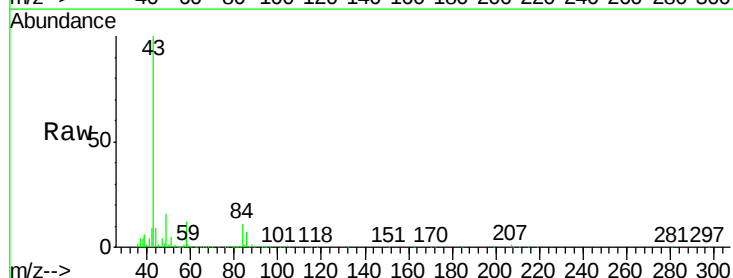
RT: 2.33 min Scan# 182

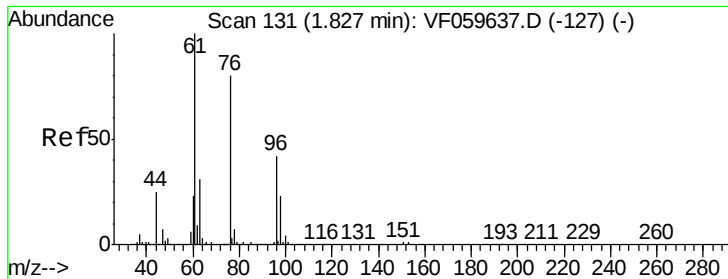
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	43	Resp:	216421
Ion	Ratio	Lower	Upper
43	100		
58	12.4	10.2	15.2





#17

Carbon Disulfide

Concen: 90.067 ug/l

RT: 1.84 min Scan# 132

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 371942

Ion Ratio Lower Upper

76 100

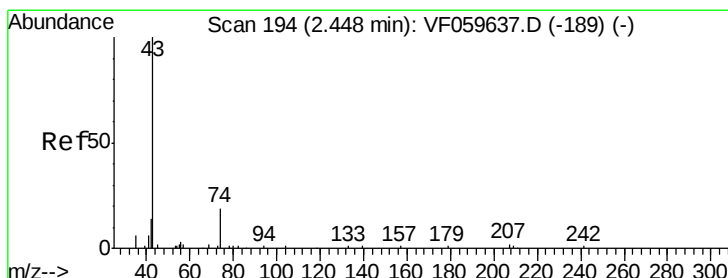
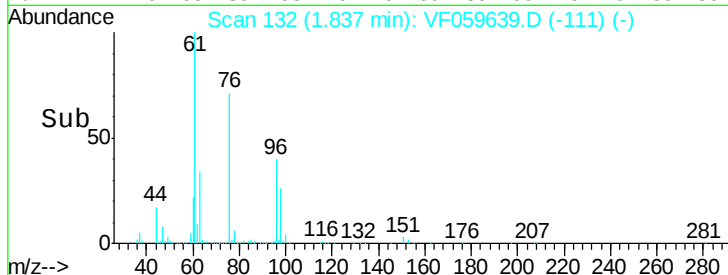
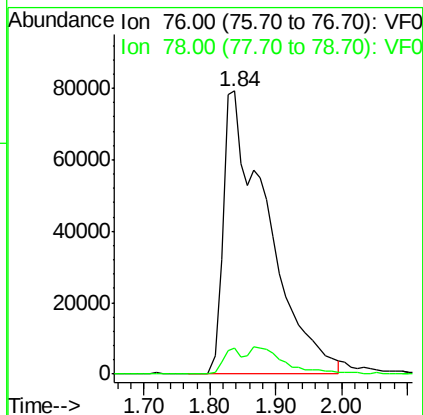
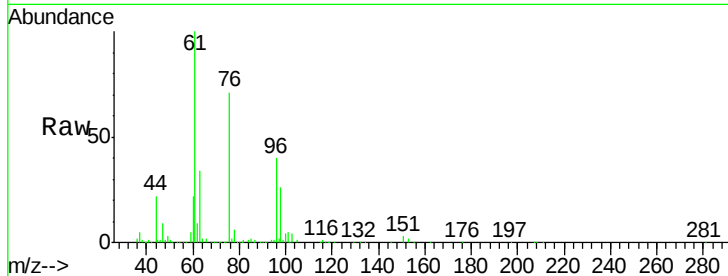
78 9.1 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 76.698 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059639.D

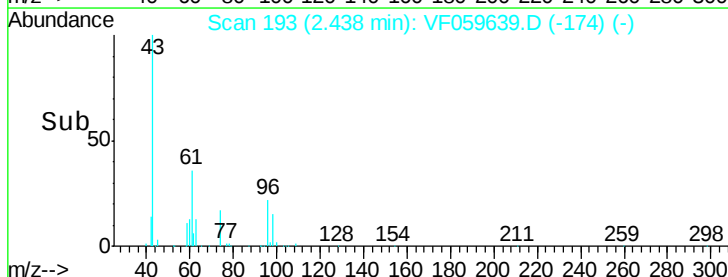
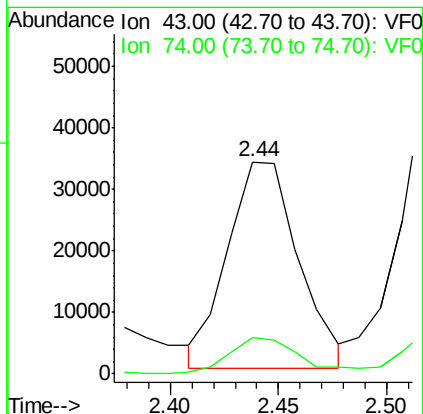
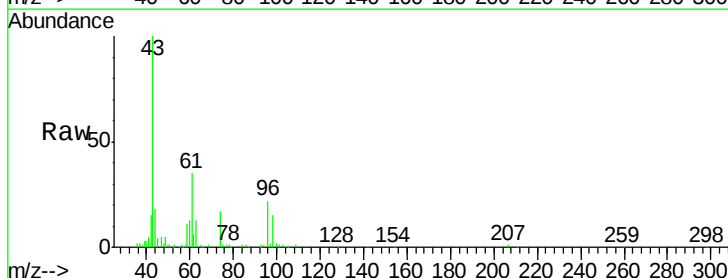
Acq: 24 Jul 2018 18:26

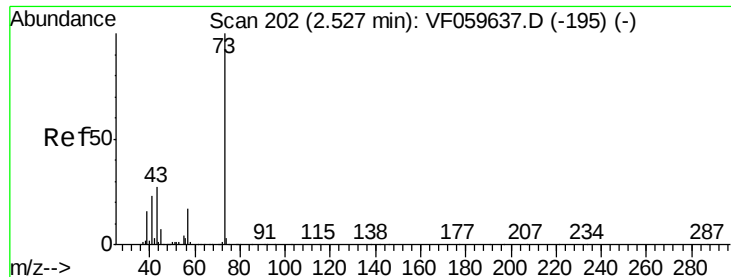
Tgt Ion: 43 Resp: 77316

Ion Ratio Lower Upper

43 100

74 17.1 13.0 19.6





#19

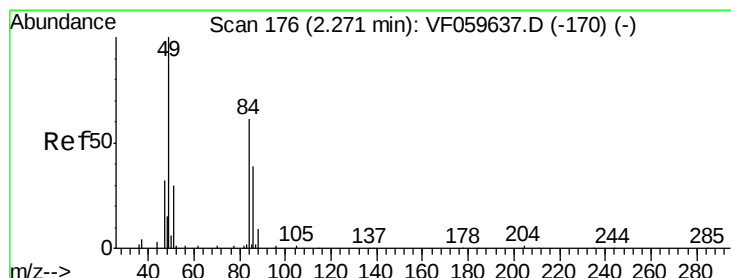
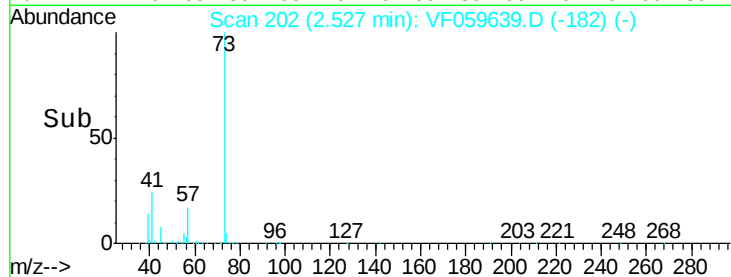
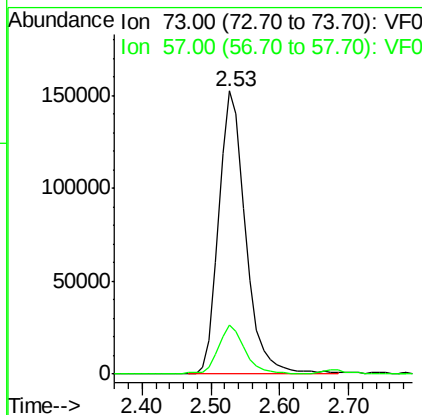
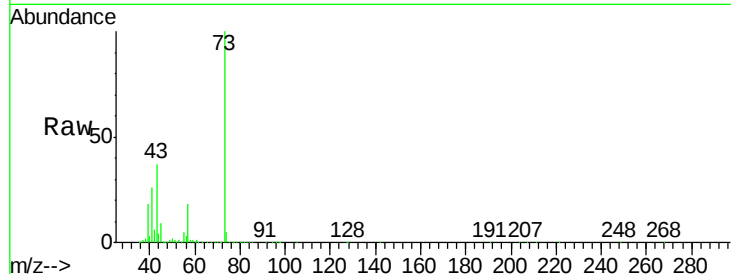
Methyl tert-butyl Ether
 Concen: 90.095 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.2	21.4

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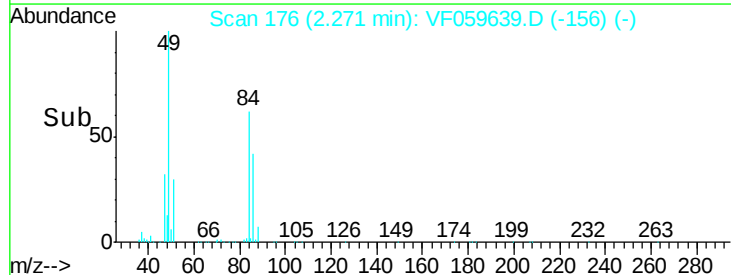
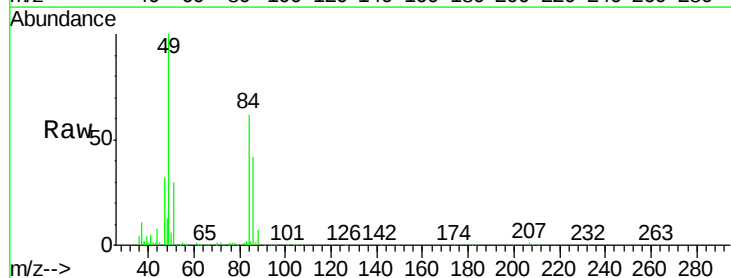
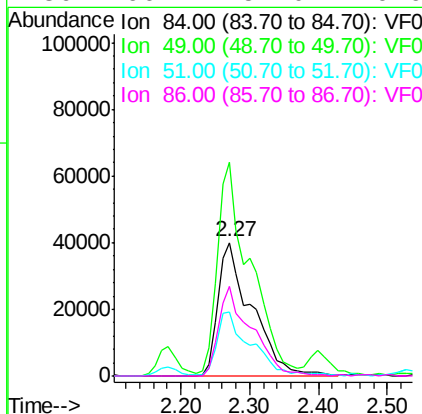
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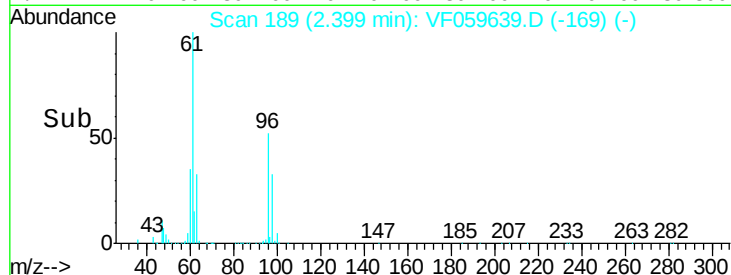
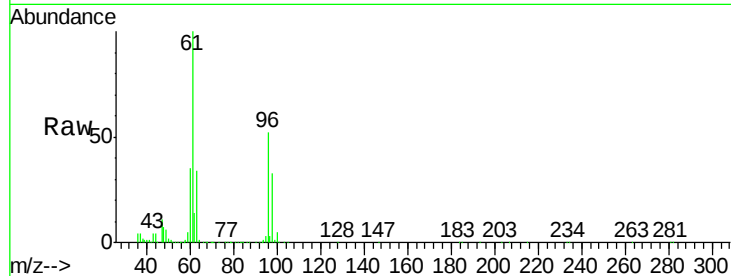
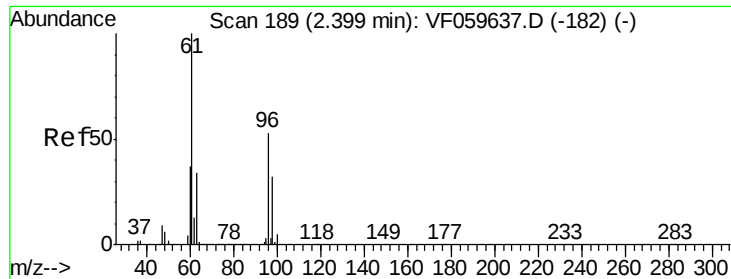


#20

Methylene Chloride
 Concen: 75.261 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.1	133.8	200.8
51	47.7	41.1	61.7
86	66.7	51.0	76.6





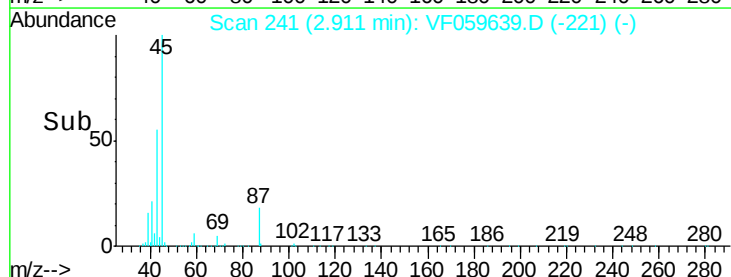
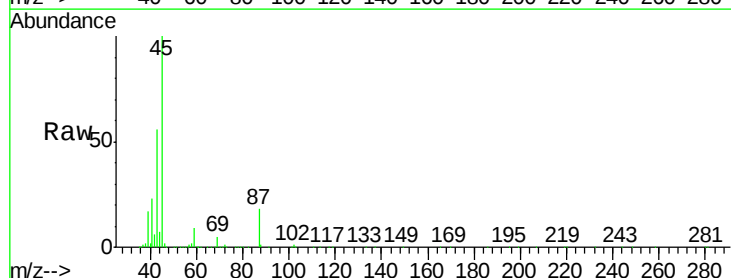
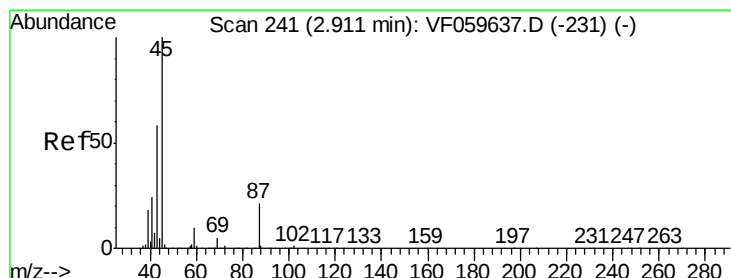
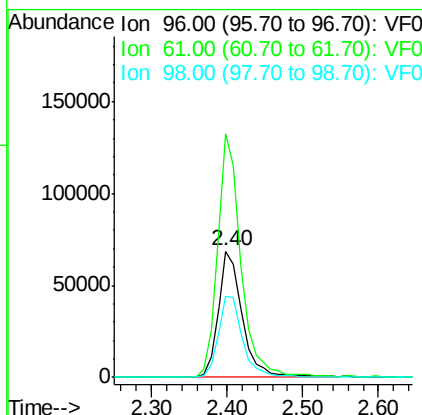
#21
trans-1,2-Dichloroethene
Concen: 92.209 ug/l
RT: 2.40 min Scan# 189
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	192.8	151.4	227.2	
98	63.9	49.0	73.6	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

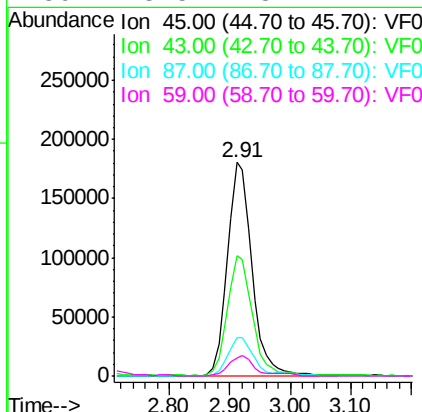
Manual Integrations
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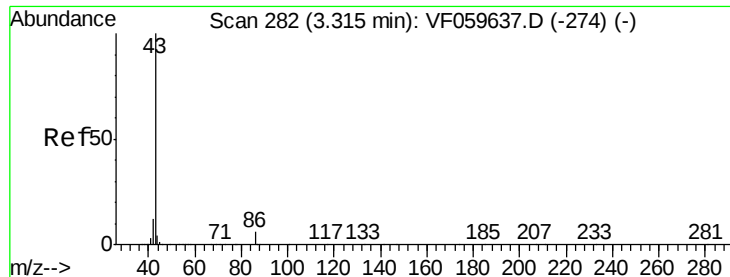
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#22
Diisopropyl ether
Concen: 97.014 ug/l
RT: 2.91 min Scan# 241
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.2	46.5	69.7	
87	18.0	16.5	24.7	
59	8.5	8.2	12.2	





#23

Vinyl Acetate

Concen: 468.478 ug/l

RT: 3.32 min Scan# 282

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1227108

Ion Ratio Lower Upper

43 100

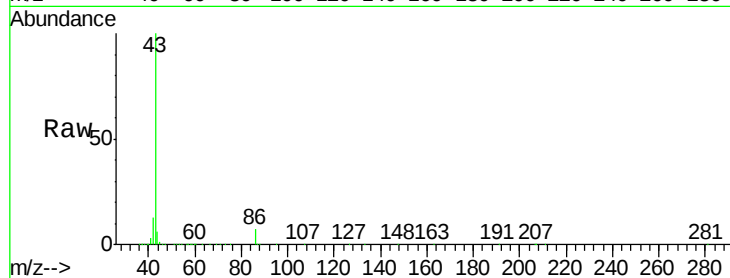
86 6.6 4.5 6.7

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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

500000

400000

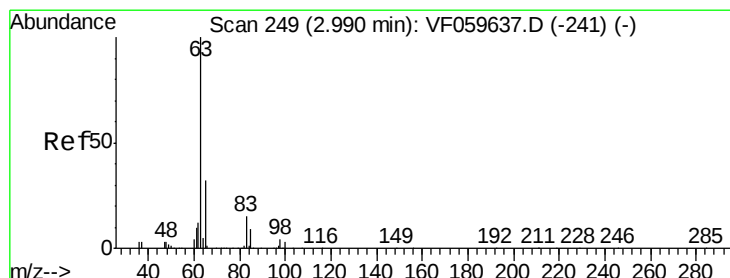
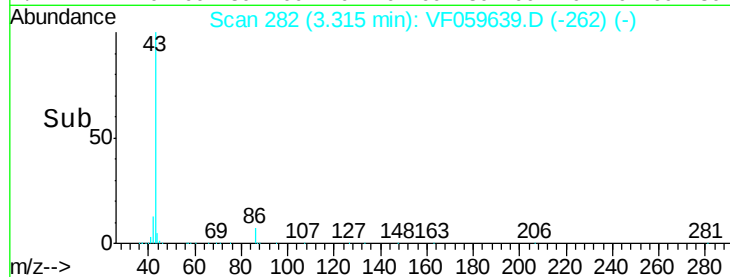
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 93.147 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

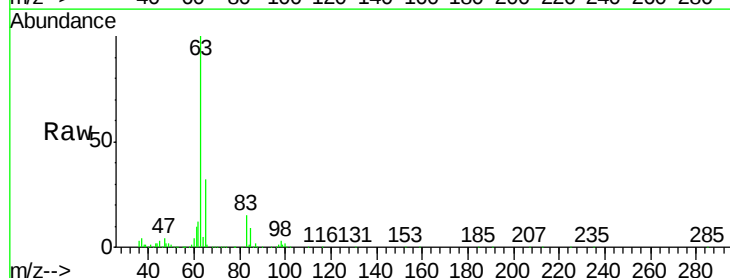
Tgt Ion: 63 Resp: 352664

Ion Ratio Lower Upper

63 100

98 3.5 1.8 5.5

100 2.2 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

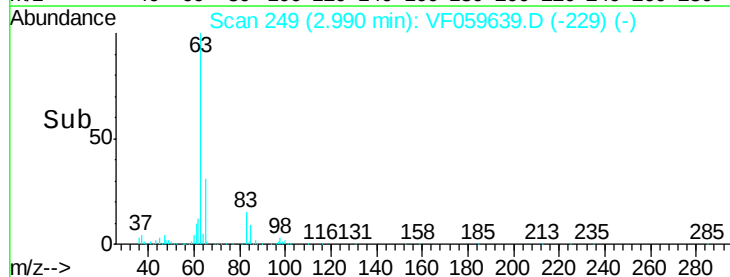
150000

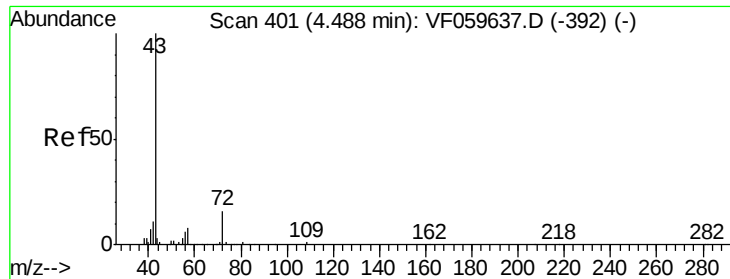
100000

50000

0

Time-->





#25

2-Butanone

Concen: 448.384 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 278127

Ion Ratio Lower Upper

43 100

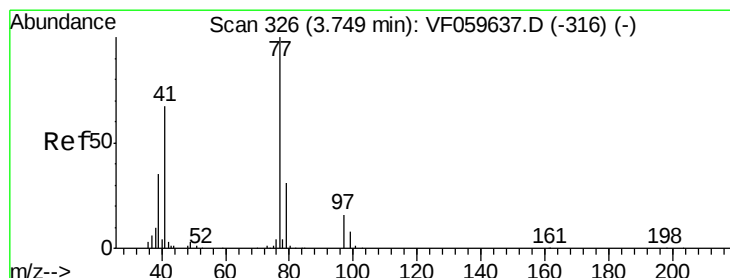
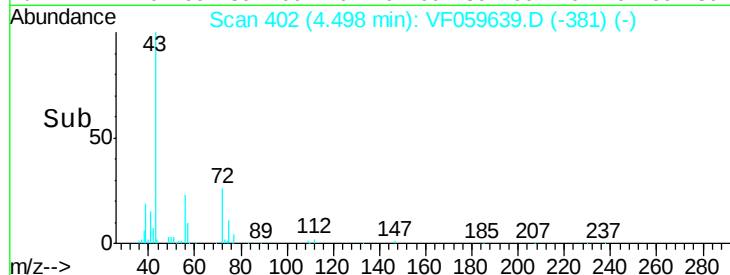
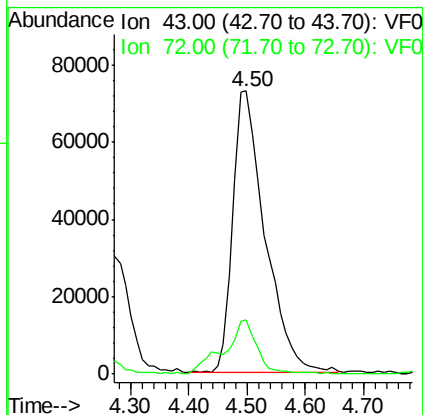
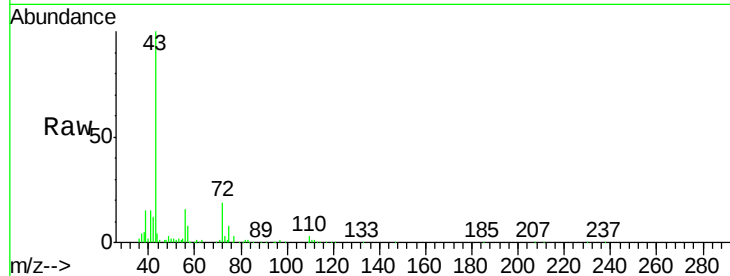
72 19.4 13.5 20.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 85.585 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059639.D

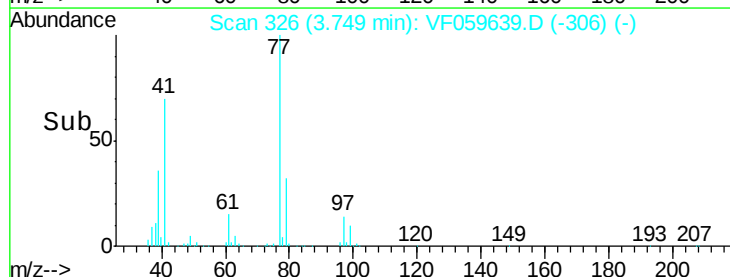
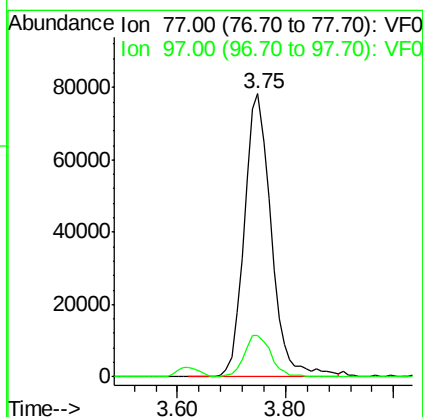
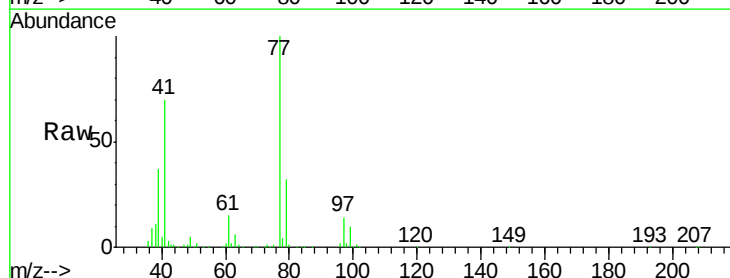
Acq: 24 Jul 2018 18:26

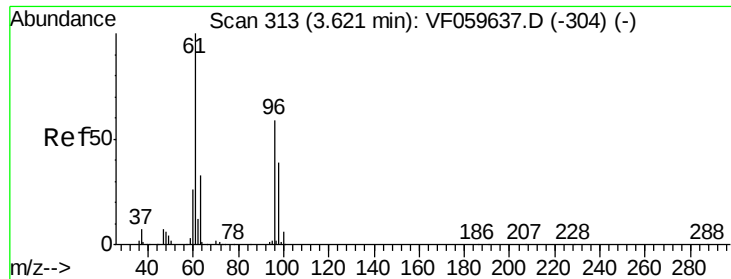
Tgt Ion: 77 Resp: 269767

Ion Ratio Lower Upper

77 100

97 14.4 7.8 23.3





#27

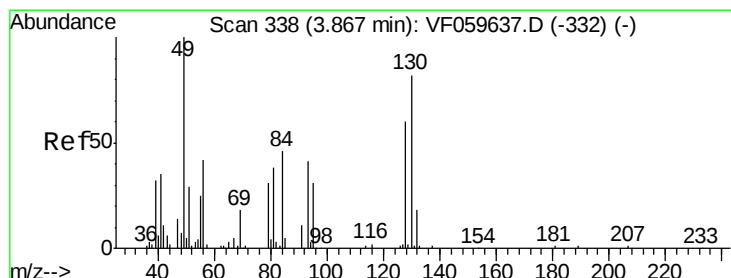
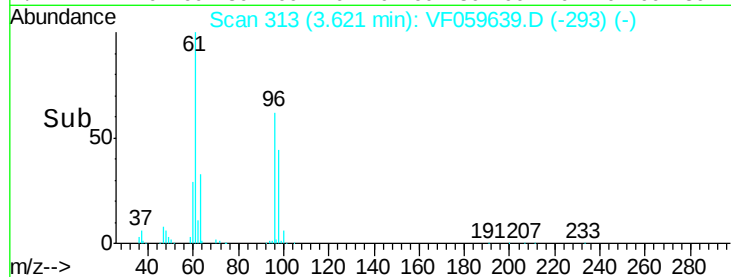
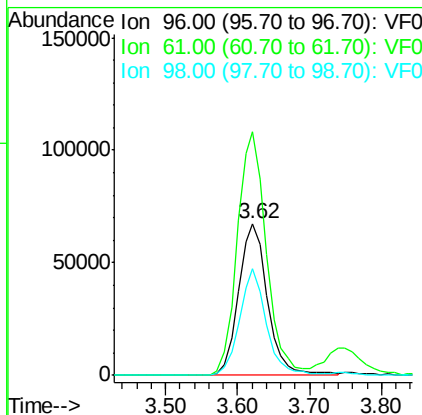
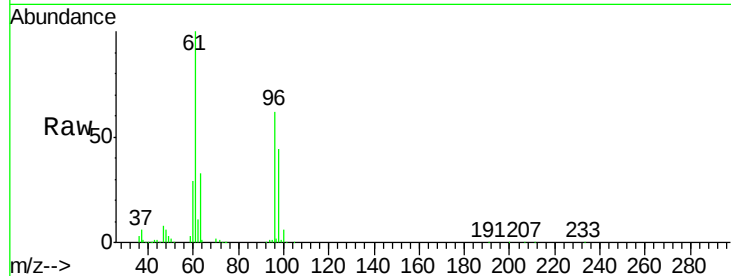
cis-1,2-Dichloroethene
Concen: 100.332 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189792		
61	160.6	0.0	337.4	
98	70.0	0.0	132.8	

Manual Integrations
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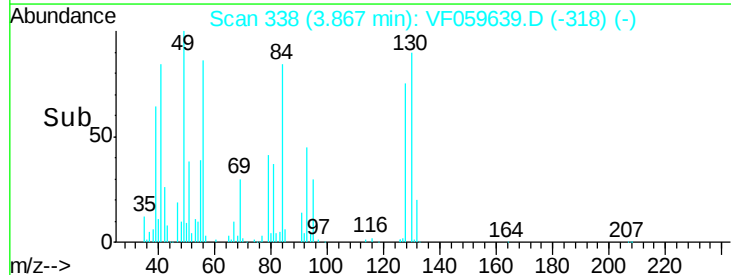
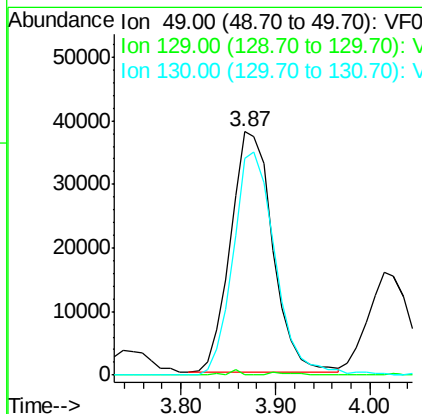
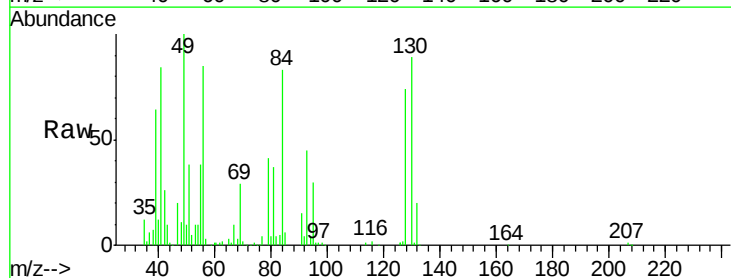
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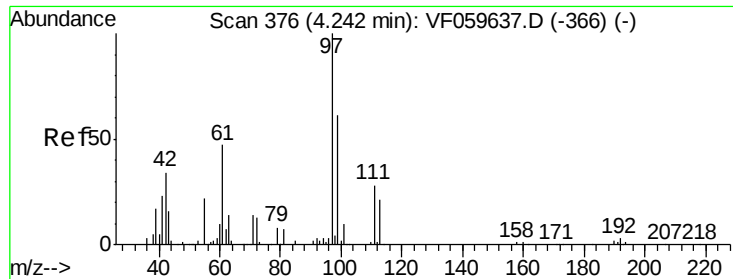


#28

Bromochloromethane
Concen: 84.771 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117953		
129	0.0	0.0	4.6	
130	89.0	65.0	97.4	





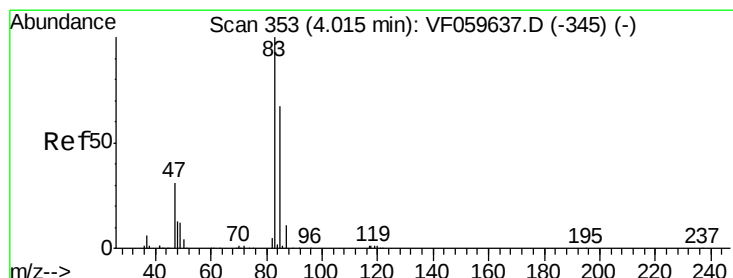
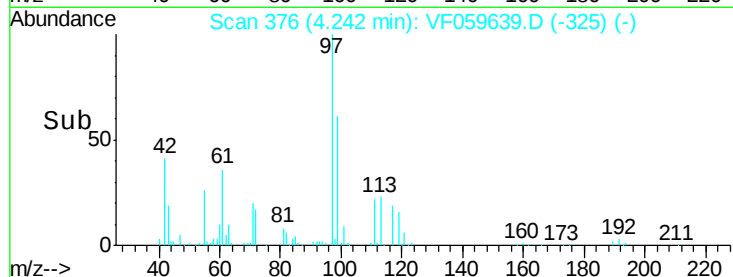
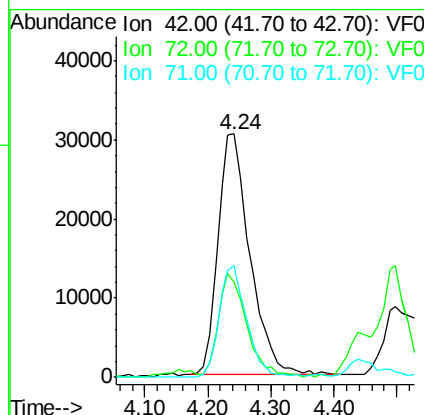
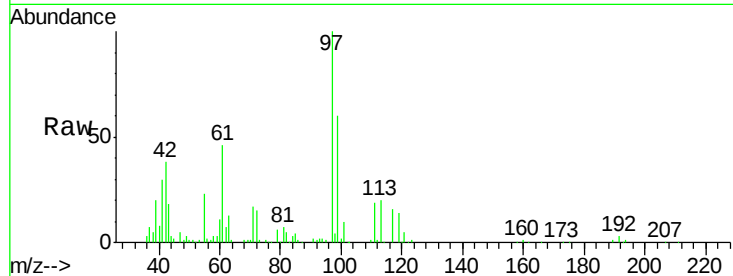
#29
Tetrahydrofuran
Concen: 425.249 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.0	45.0
71	40.5	28.6	42.8

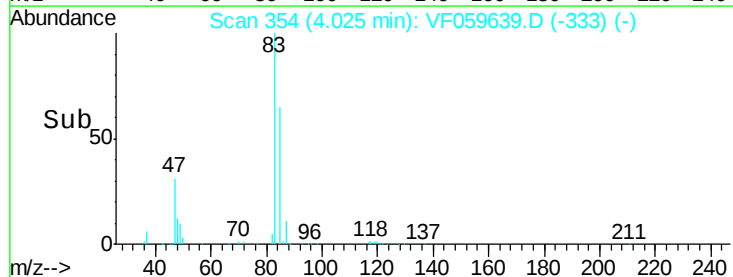
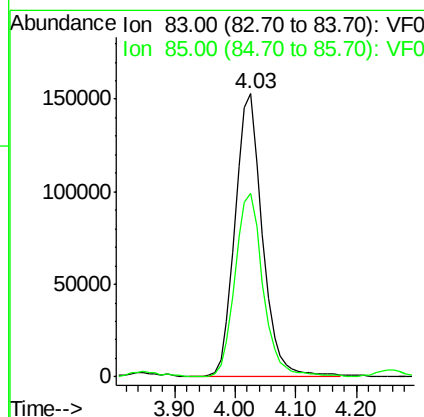
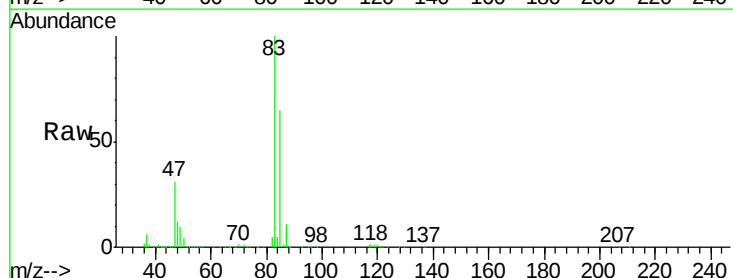
Manual Integrations
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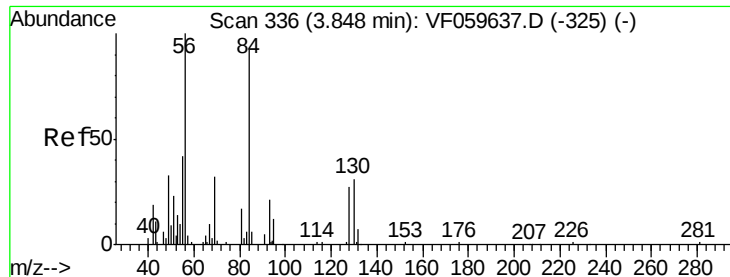
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#30
Chloroform
Concen: 92.368 ug/l
RT: 4.03 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.8	80.8





#31

Cyclohexane

Concen: 93.901 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

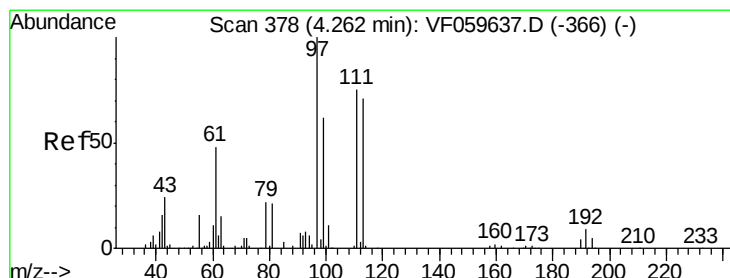
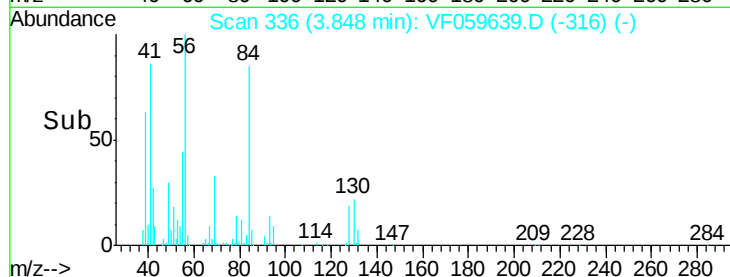
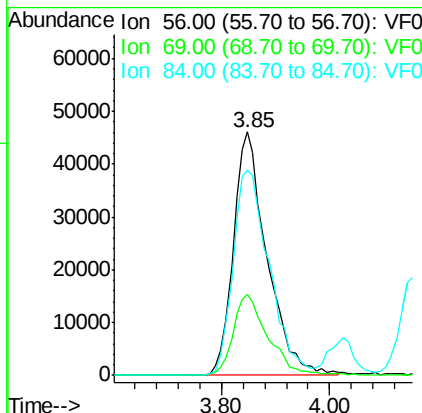
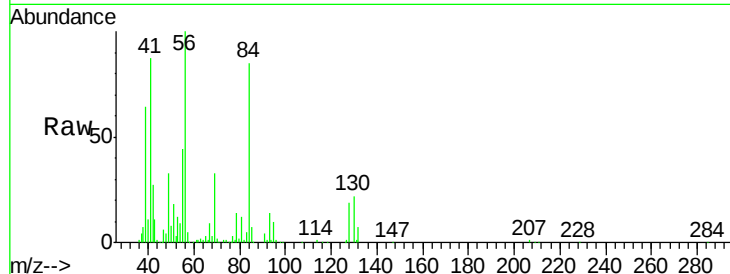
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	199300
Ion Ratio		Lower	Upper
56	100		
69	33.1	26.0	39.0
84	84.5	73.5	110.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 84.272 ug/l

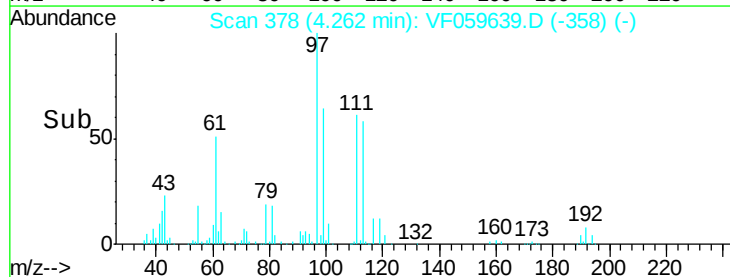
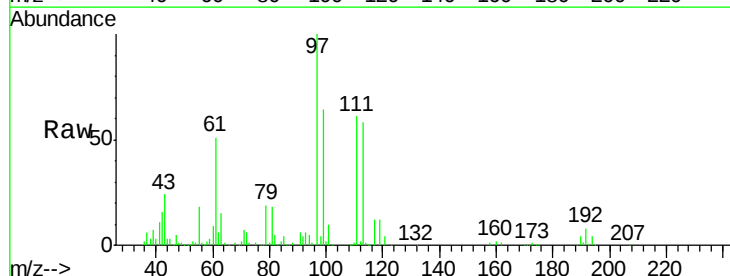
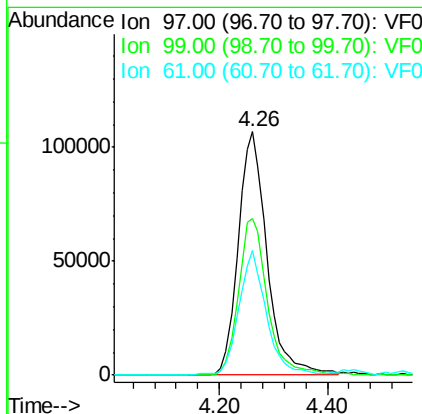
RT: 4.26 min Scan# 378

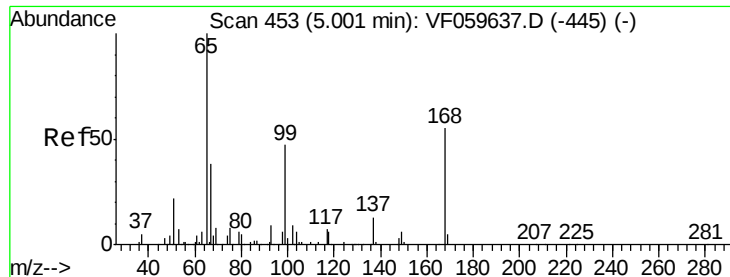
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	97	Resp:	393970
Ion Ratio		Lower	Upper
97	100		
99	64.5	49.8	74.6
61	51.0	38.9	58.3





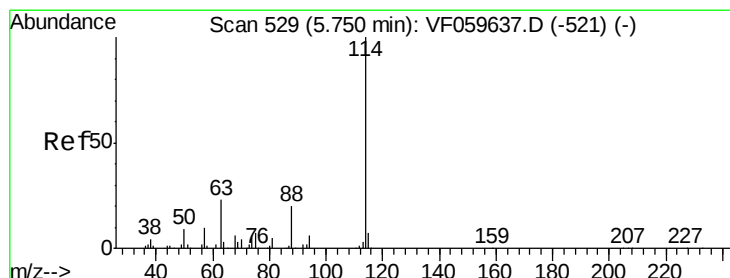
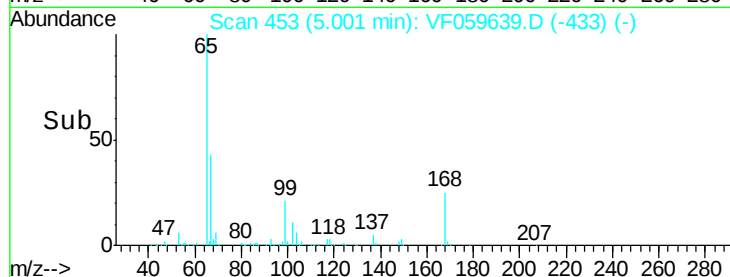
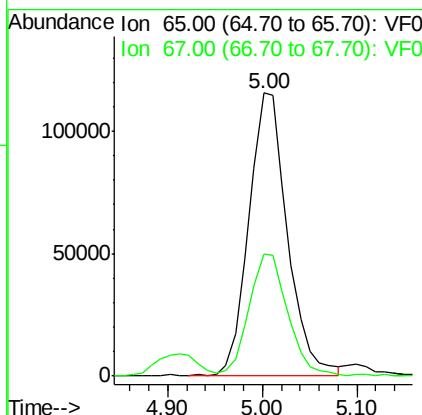
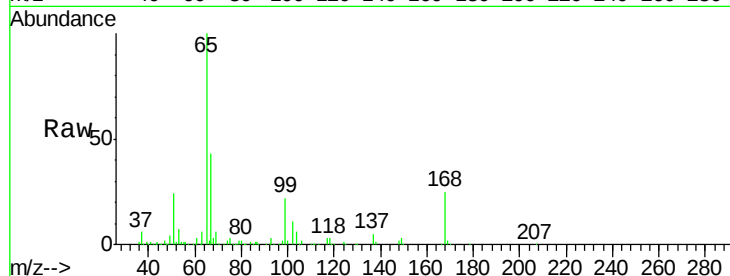
#33
 1,2-Dichloroethane-d4
 Concen: 91.943 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.0	0.0	86.6

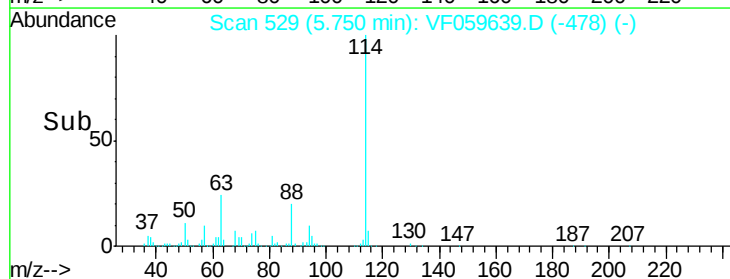
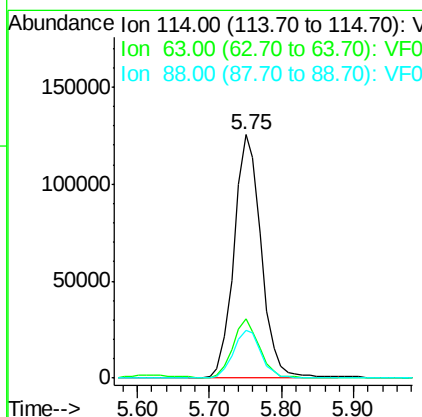
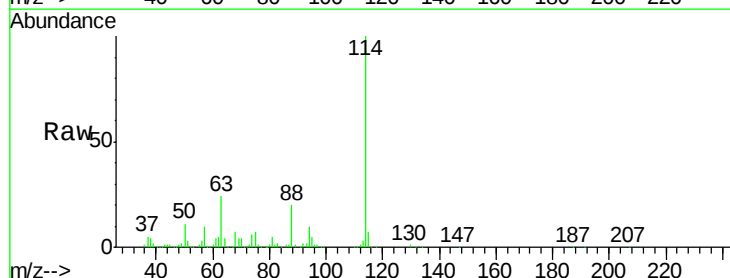
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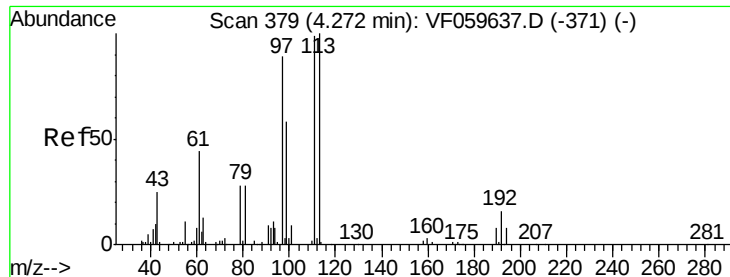
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	45.6
88	19.8	0.0	40.8





#35

Dibromofluoromethane

Concen: 94.721 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

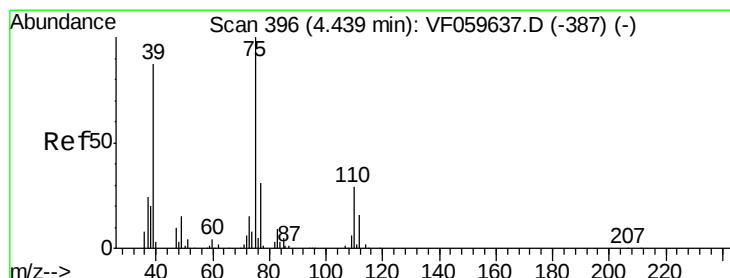
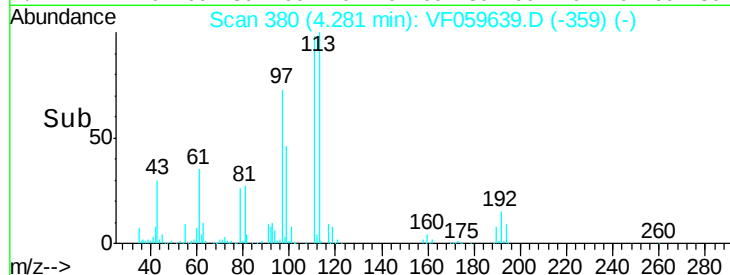
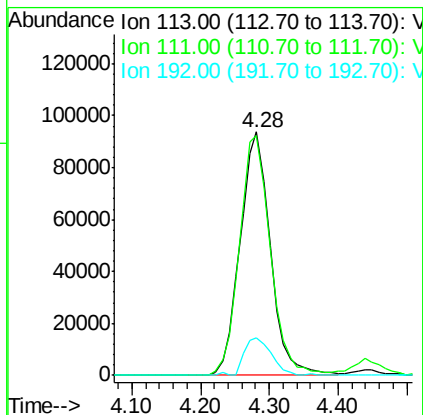
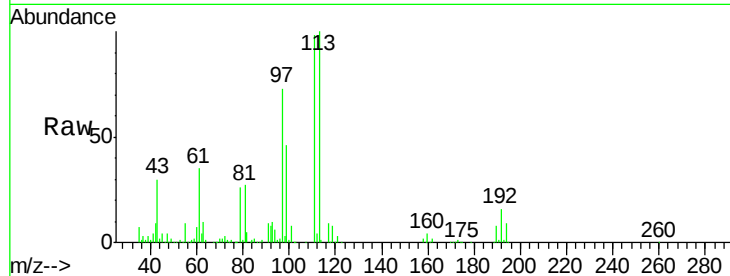
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	286229
Ion Ratio	Lower	Upper	
113	100		
111	98.4	79.3	118.9
192	15.6	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 94.592 ug/l

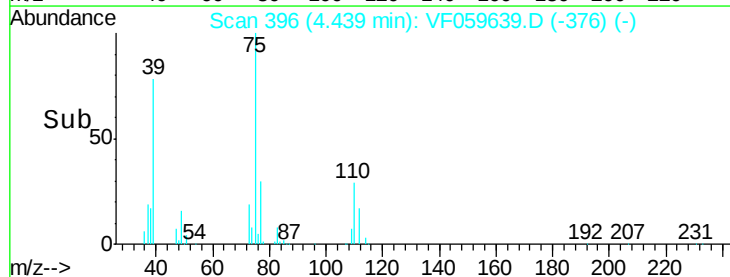
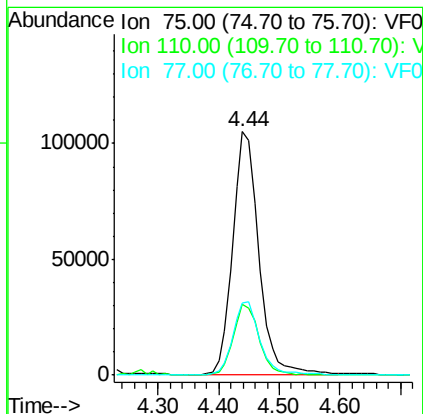
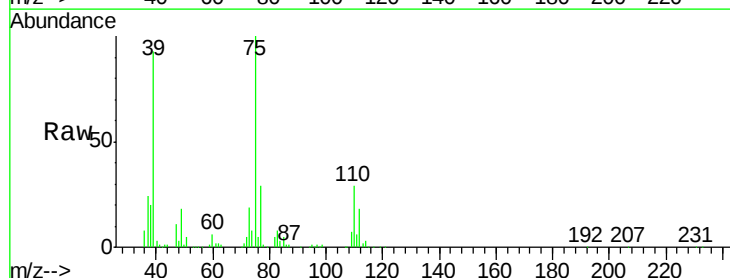
RT: 4.44 min Scan# 396

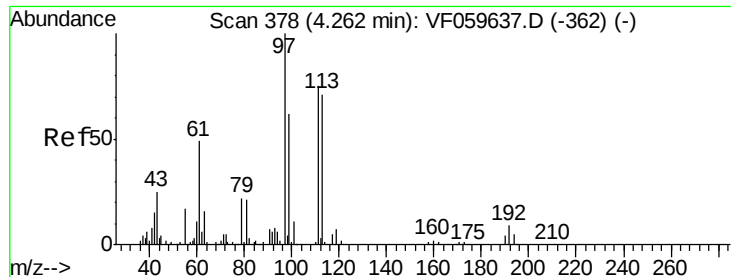
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	75	Resp:	314173
Ion Ratio	Lower	Upper	
75	100		
110	29.3	14.6	43.8
77	29.4	24.4	36.6





#37

Ethyl Acetate

Concen: 90.959 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

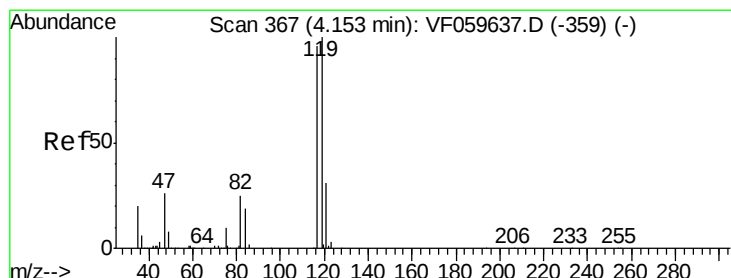
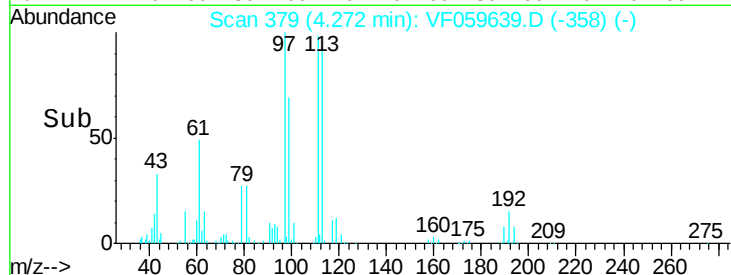
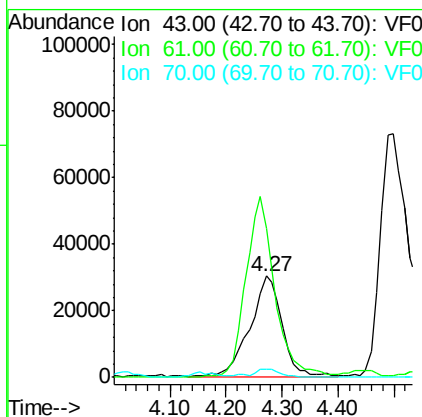
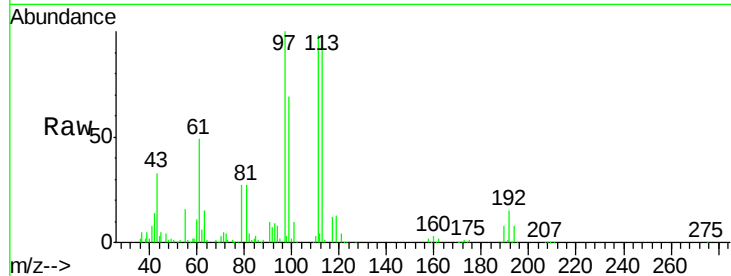
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	118883
Ion	Ratio	Lower	Upper
43	100		
61	147.1	156.6	234.8#
70	7.6	7.3	10.9

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#38

Carbon Tetrachloride

Concen: 81.149 ug/l

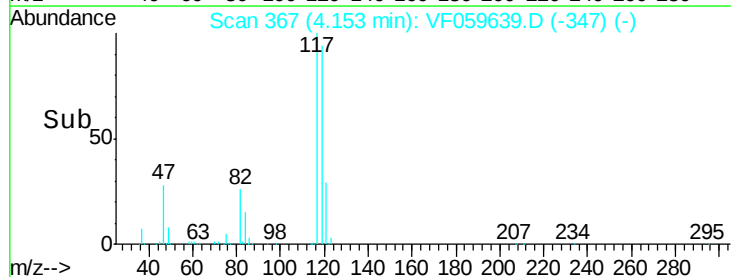
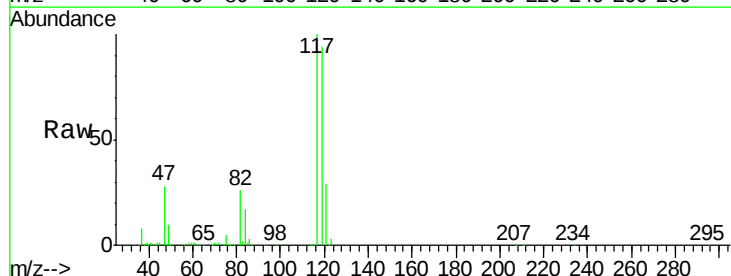
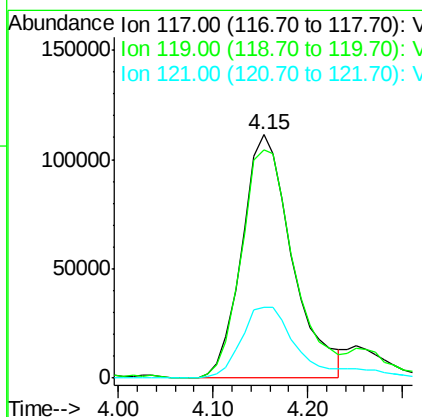
RT: 4.15 min Scan# 367

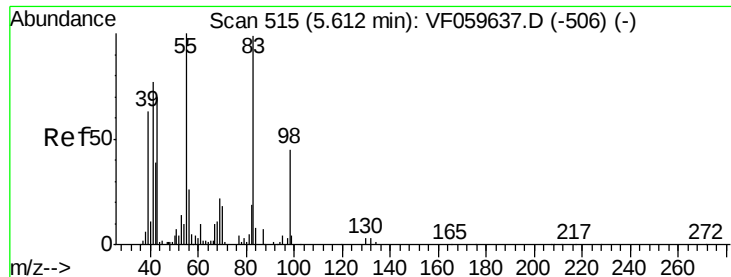
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	117	Resp:	407967
Ion	Ratio	Lower	Upper
117	100		
119	94.0	83.0	124.6
121	29.3	26.2	39.4





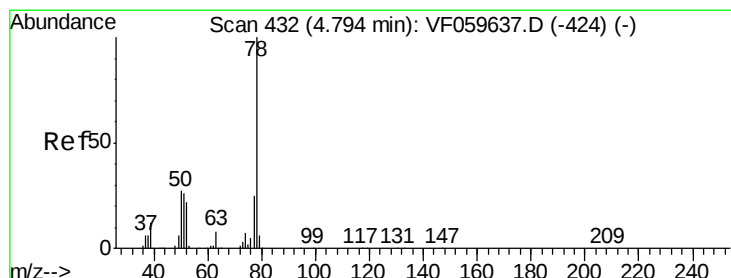
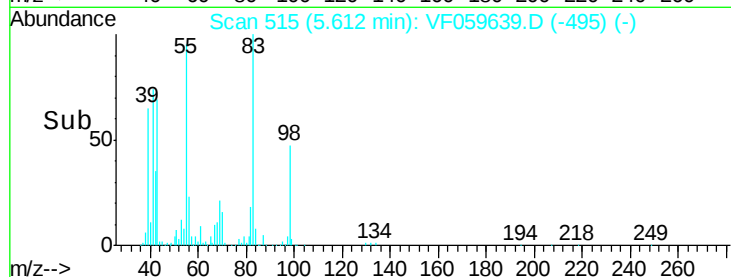
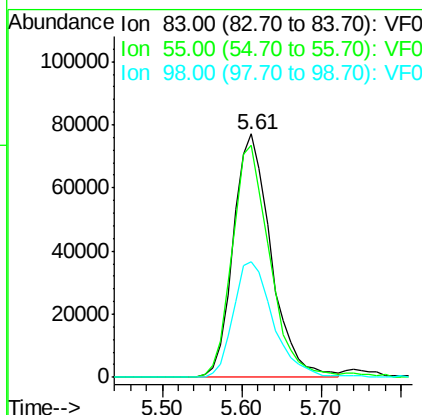
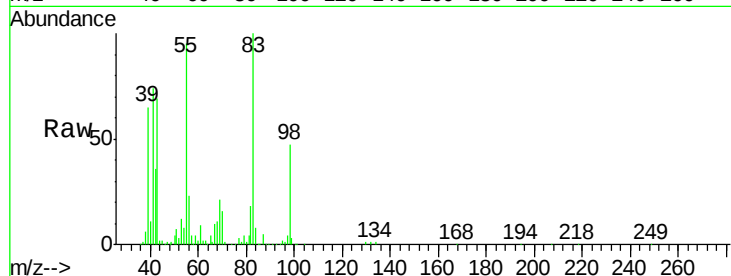
#39
Methvlcvclohexane
Concen: 94.625 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.4	81.5	122.3
98	47.4	36.7	55.1

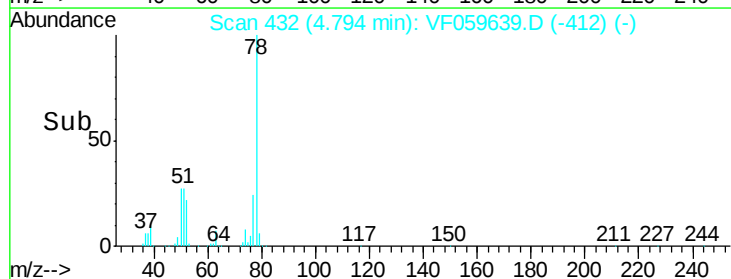
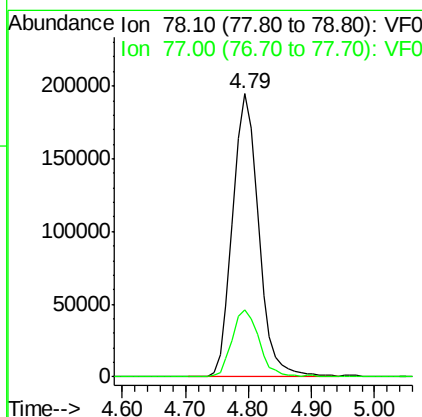
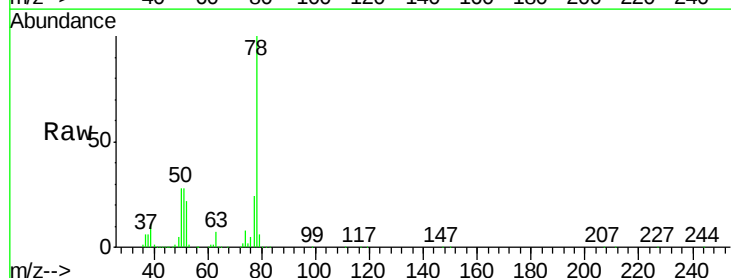
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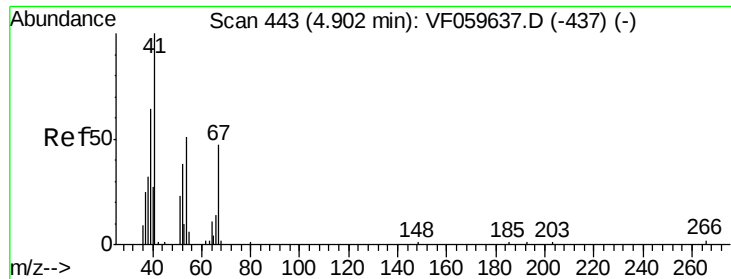
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#40
Benzene
Concen: 92.026 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





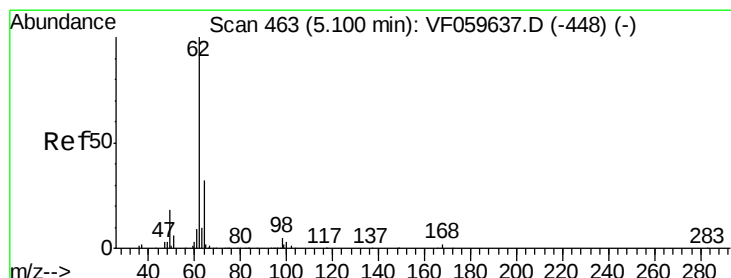
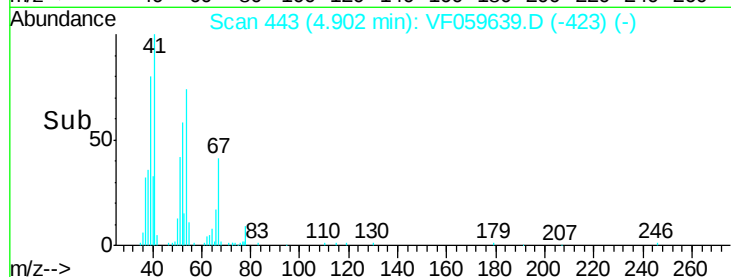
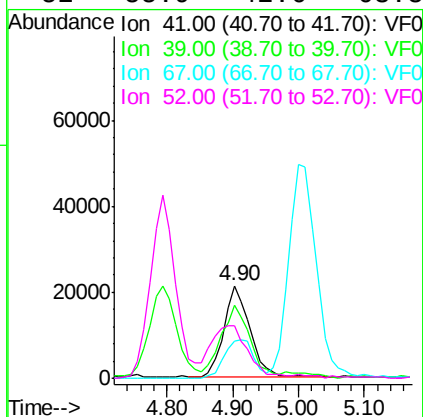
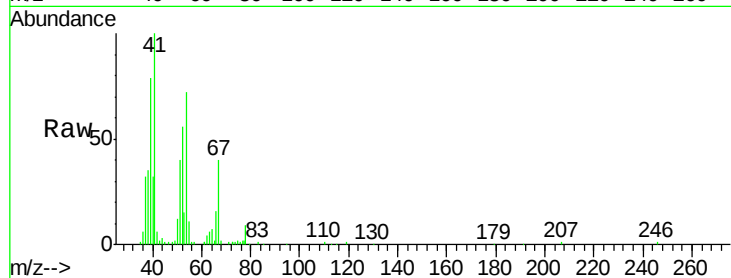
#41
Methacrylonitrile
Concen: 92.048 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.1	56.9	85.3
67	40.0	36.6	54.8
52	55.9	42.6	63.8

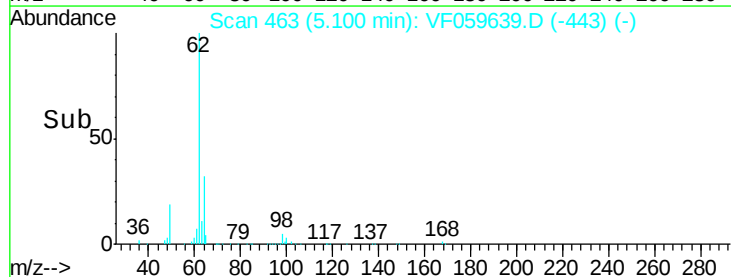
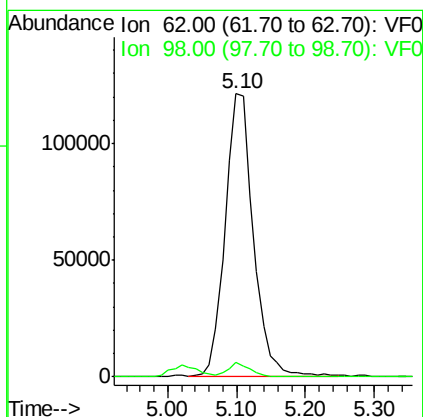
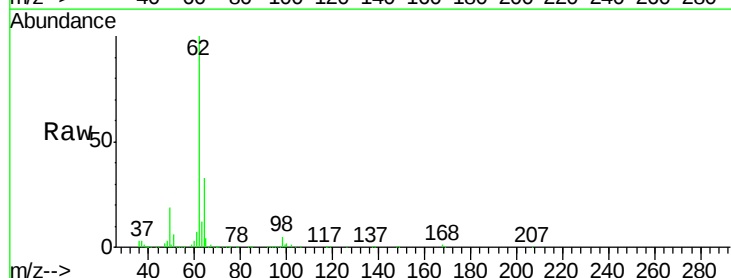
Manual Integrations
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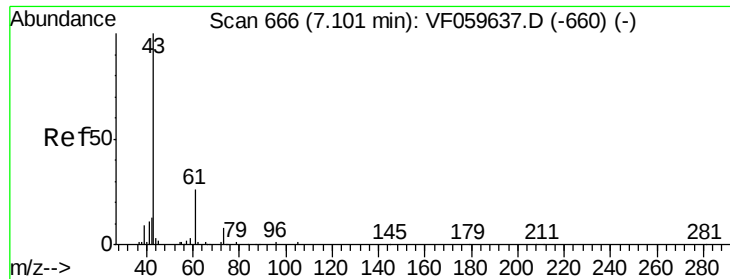
apatel
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#42
1,2-Dichloroethane
Concen: 84.529 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	10.6





#43

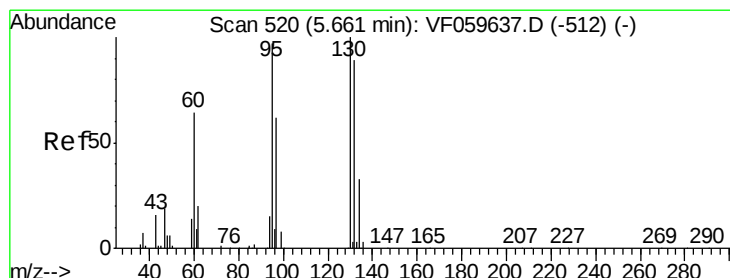
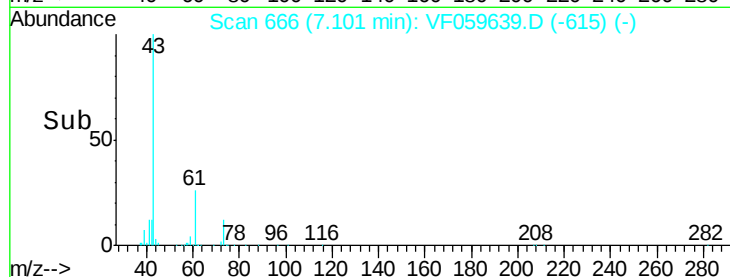
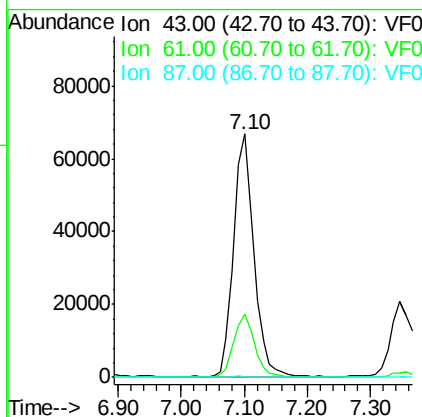
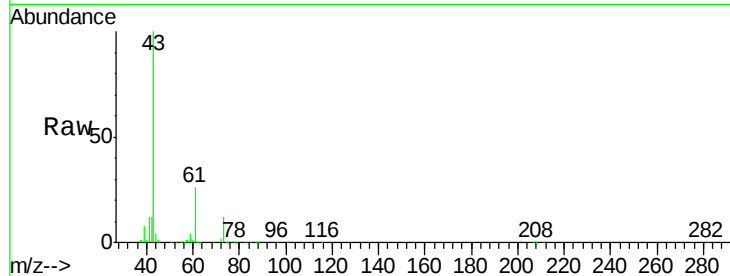
Isopropyl Acetate
 Concen: 92.027 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.5	30.7
87	0.2	0.4	0.6

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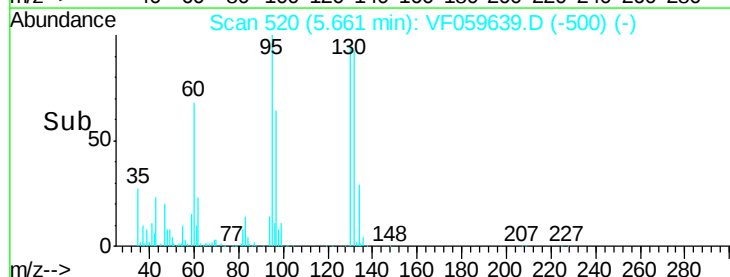
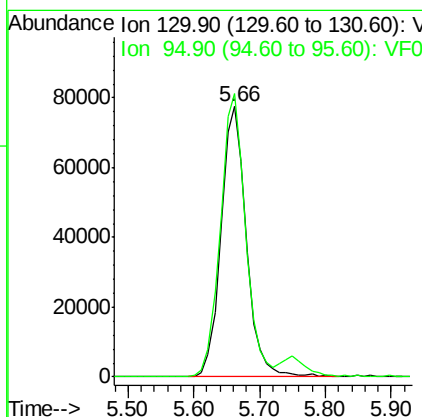
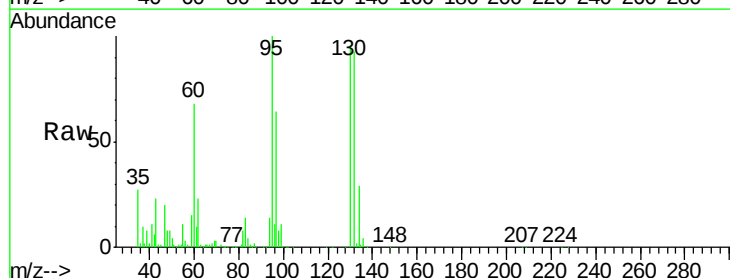
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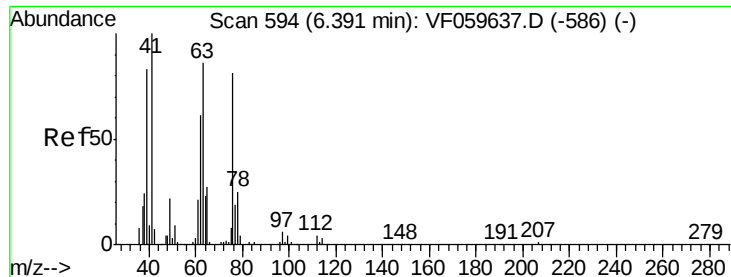


#44

Trichloroethene
 Concen: 89.928 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	193.4





#45

1,2-Dichloropropane

Concen: 94.193 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 152926

Ion Ratio Lower Upper

63 100

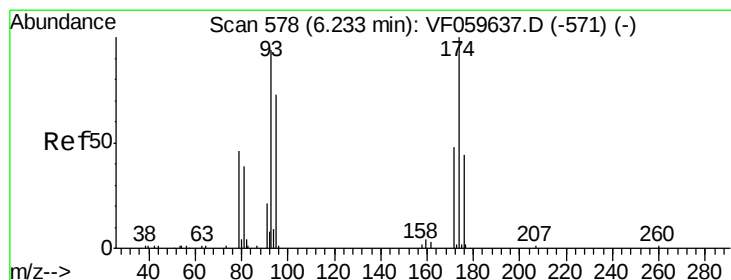
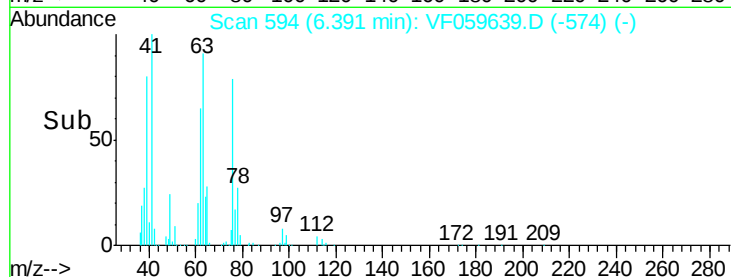
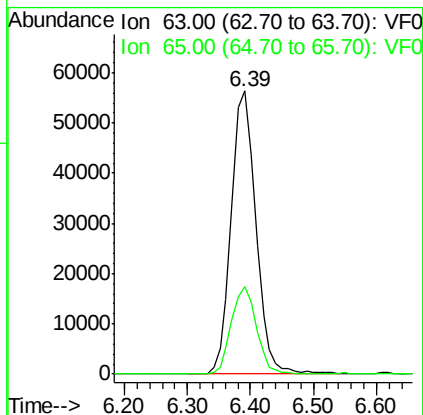
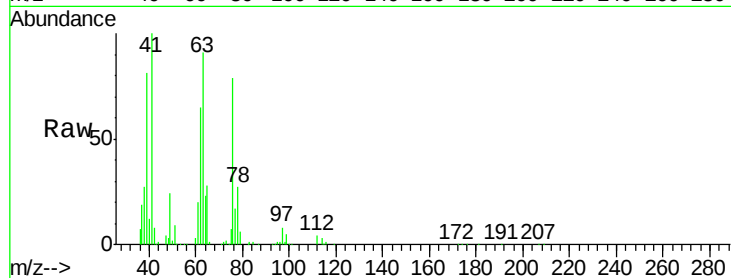
65 30.9 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 94.636 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

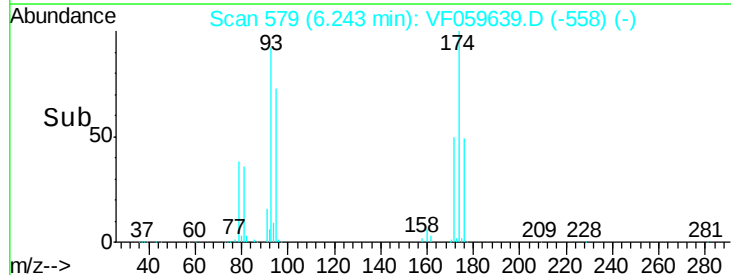
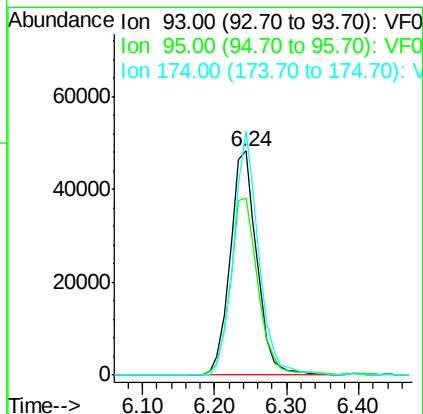
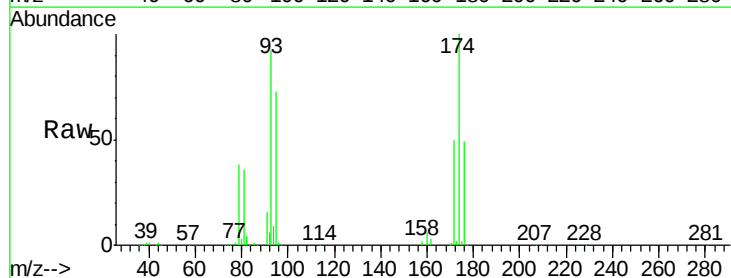
Tgt Ion: 93 Resp: 124903

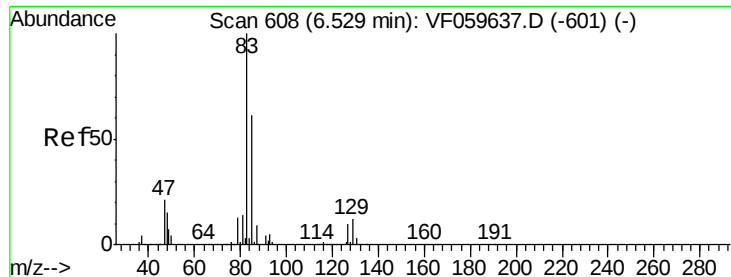
Ion Ratio Lower Upper

93 100

95 79.4 63.1 94.7

174 108.8 85.3 127.9





#47

Bromodichloromethane

Concen: 92.550 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

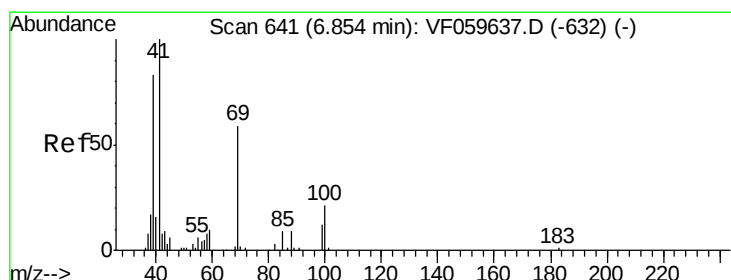
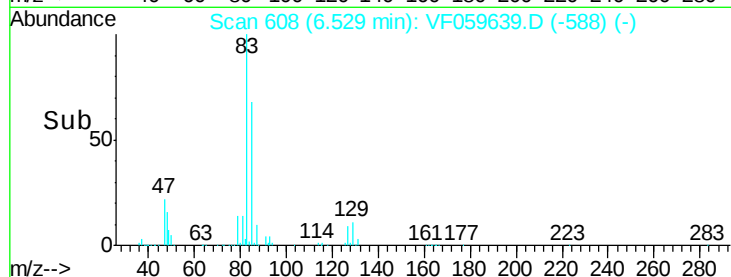
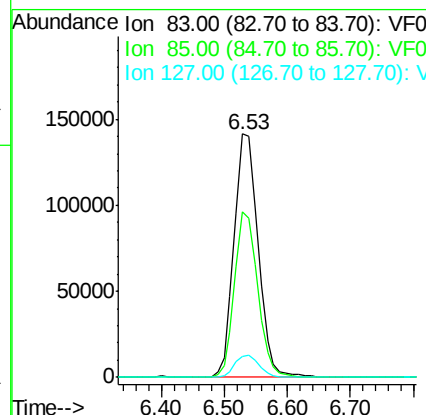
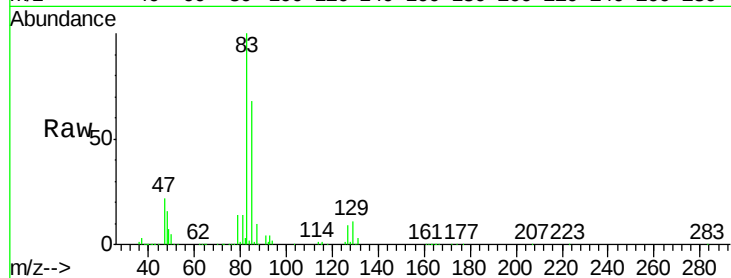
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	374050
Ion	Ratio	Lower	Upper
83	100		
85	67.8	48.6	72.8
127	8.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 88.863 ug/l

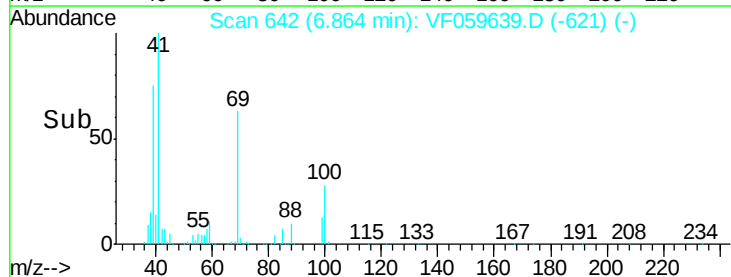
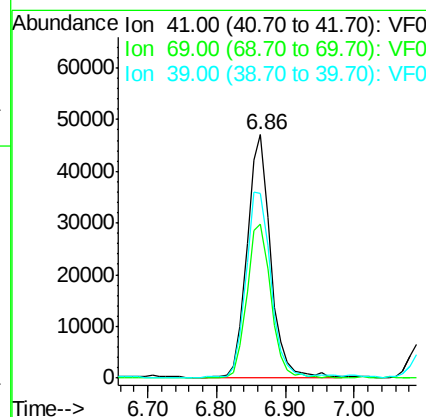
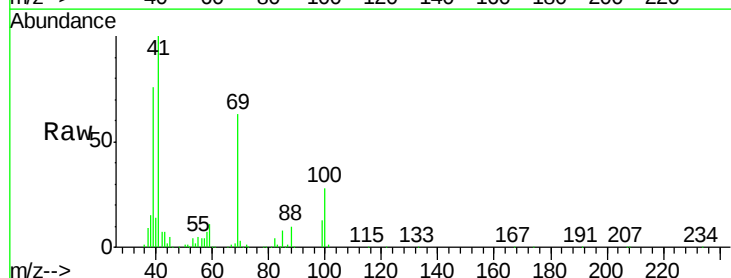
RT: 6.86 min Scan# 642

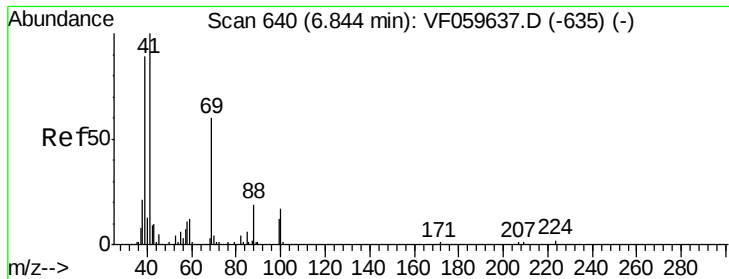
Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	41	Resp:	110121
Ion	Ratio	Lower	Upper
41	100		
69	63.1	47.5	71.3
39	76.0	67.0	100.6





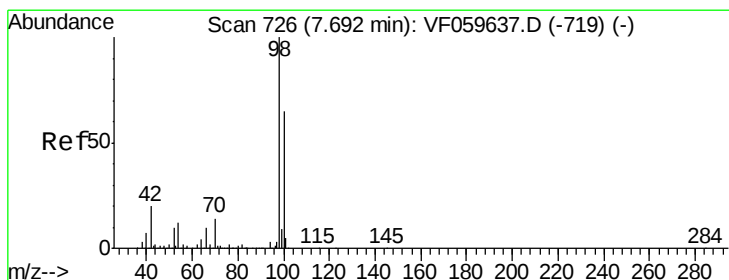
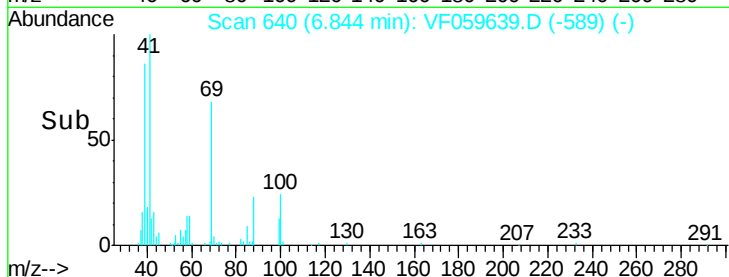
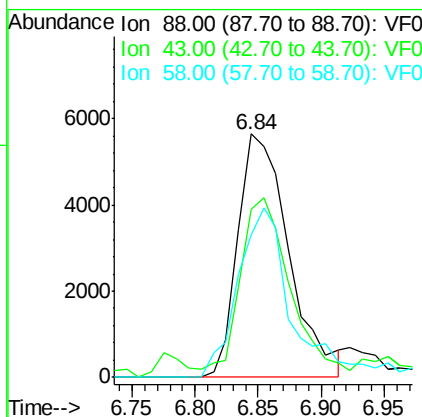
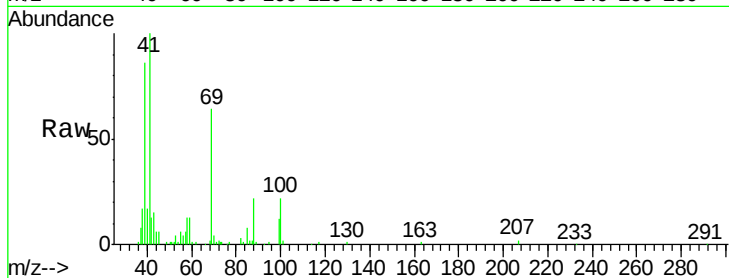
#49
1,4-Dioxane
Concen: 1820.775 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.8	45.3	67.9#
58	58.7	47.7	71.5

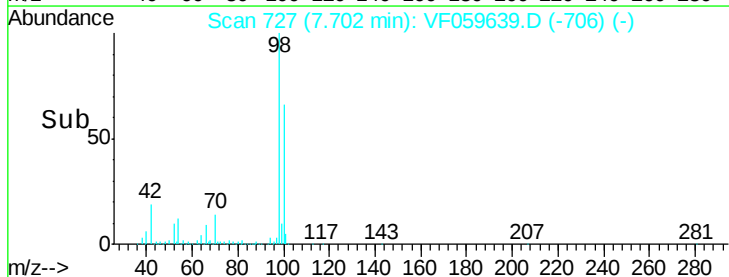
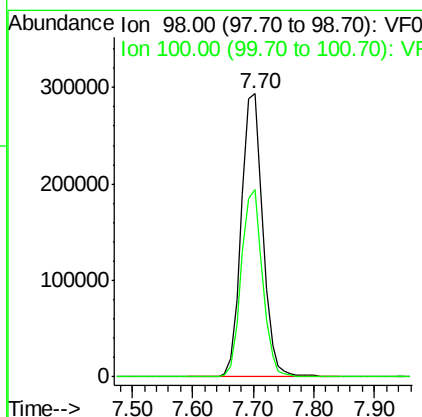
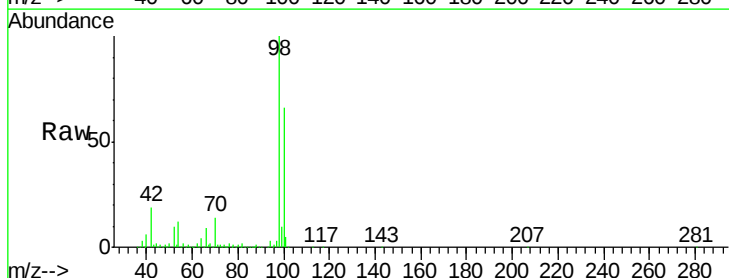
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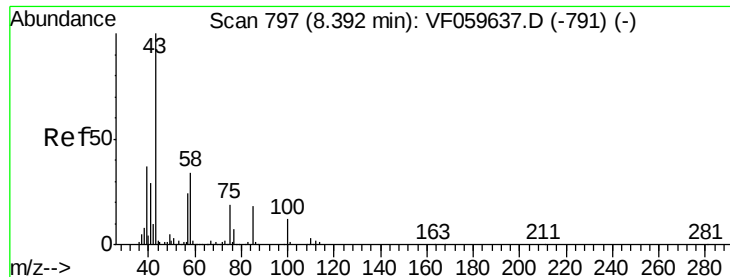
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#50
Toluene-d8
Concen: 95.879 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 436.088 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 530974

Ion Ratio Lower Upper

43 100

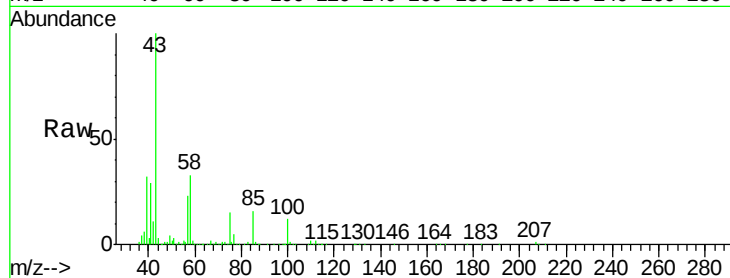
58 33.2 27.3 40.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

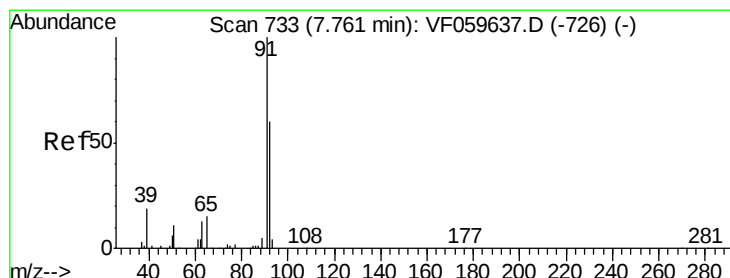
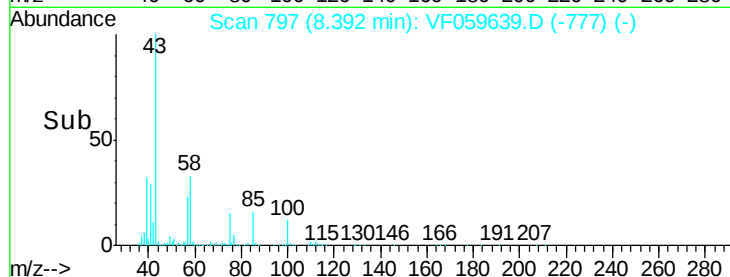
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 85.209 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059639.D

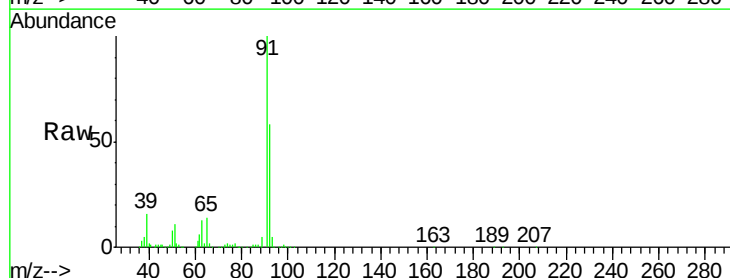
Acq: 24 Jul 2018 18:26

Tgt Ion: 92 Resp: 391299

Ion Ratio Lower Upper

92 100

91 173.4 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

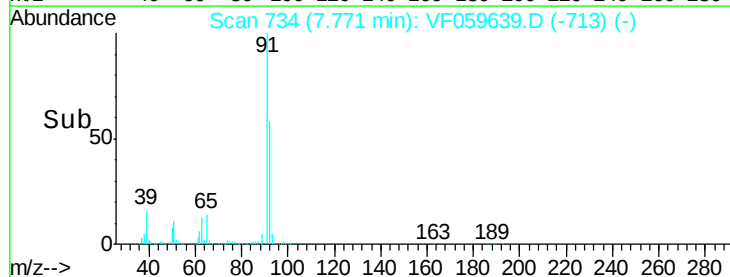
300000

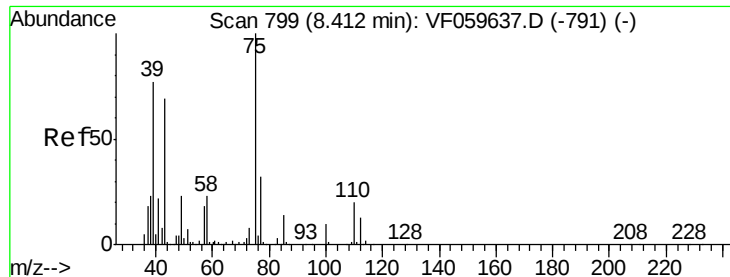
200000

100000

0

Time--> 7.70 7.80 7.90





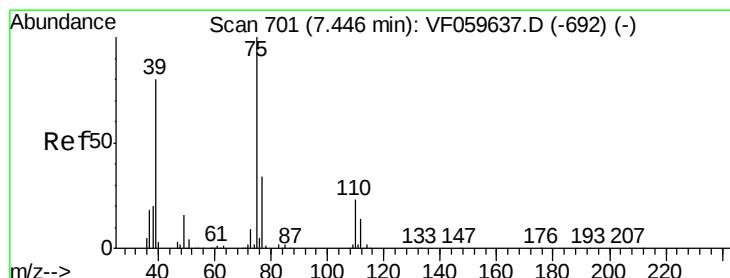
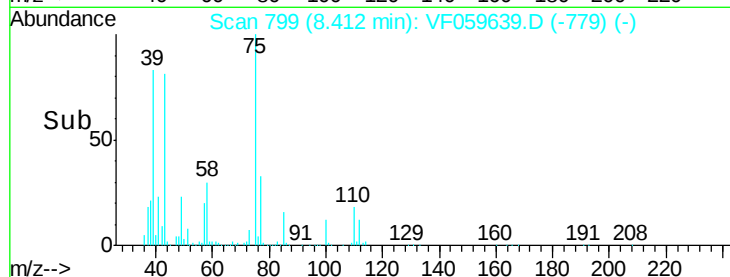
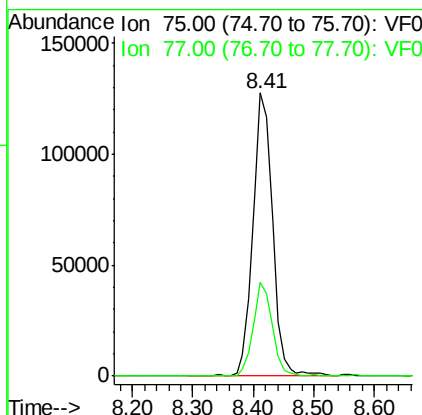
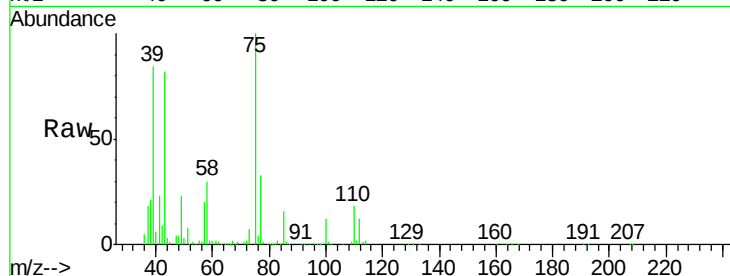
#53
t-1,3-Dichloropropene
Concen: 85.626 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.2	37.8

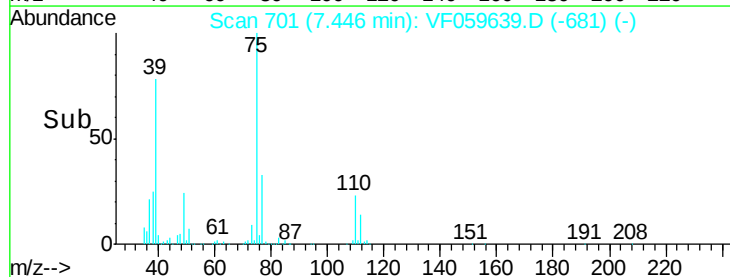
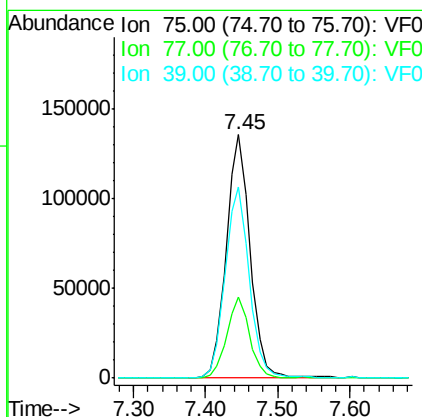
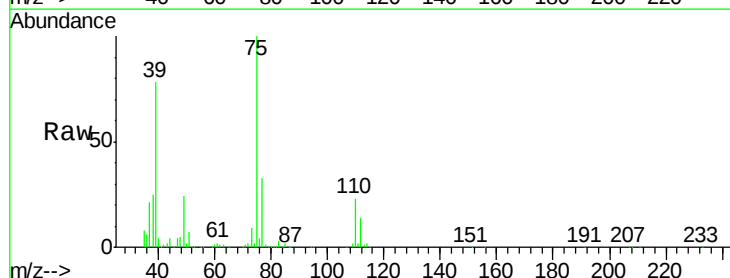
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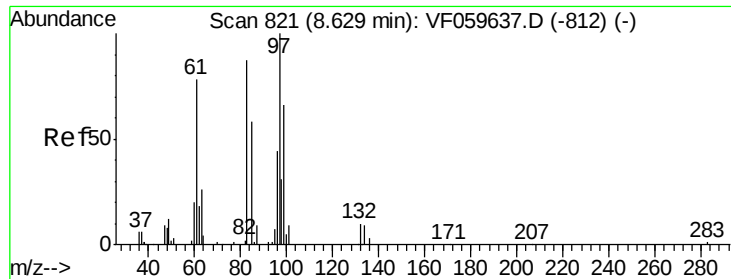
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#54
cis-1,3-Dichloropropene
Concen: 92.470 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	27.5	41.3
39	78.4	64.4	96.6





#55

1,1,2-Trichloroethane

Concen: 89.696 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

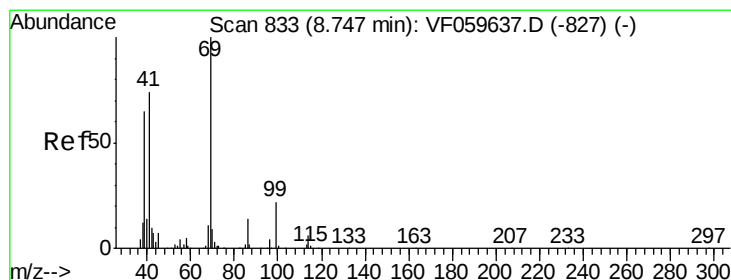
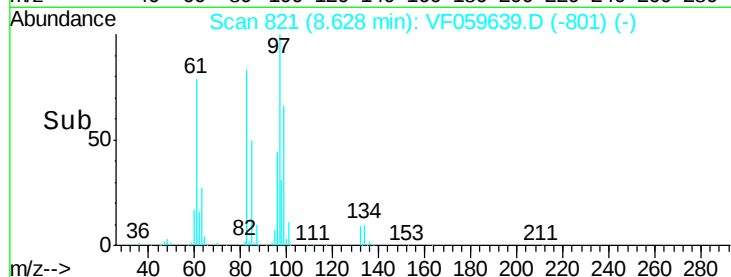
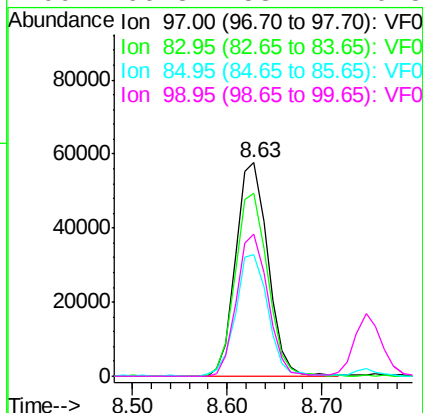
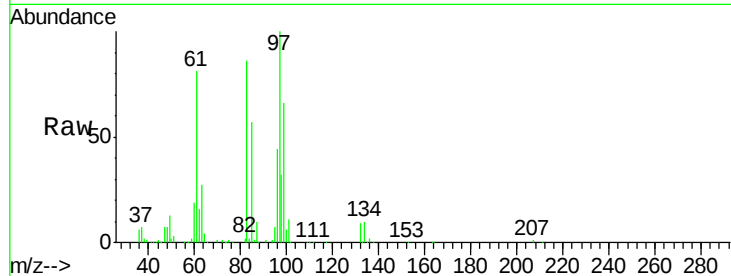
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	136639
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.5	104.3
85	57.0	46.0	69.0
99	66.3	53.2	79.8

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#56

Ethyl methacrylate

Concen: 88.899 ug/l

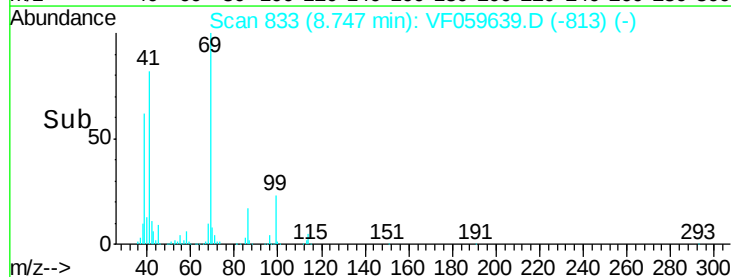
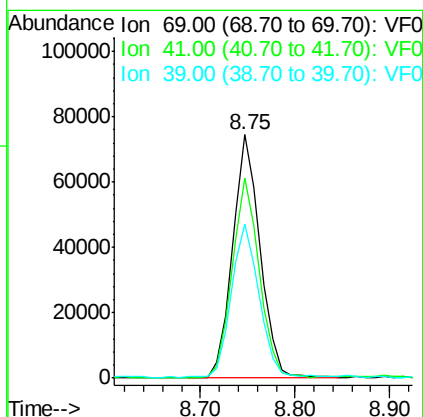
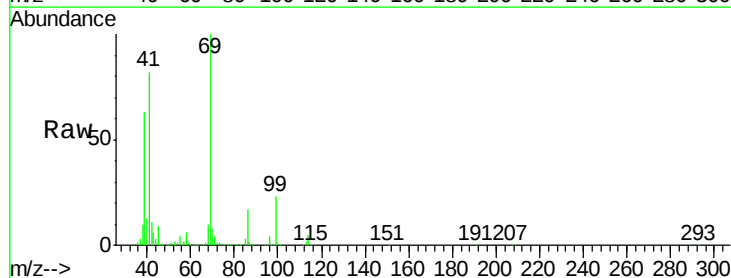
RT: 8.75 min Scan# 833

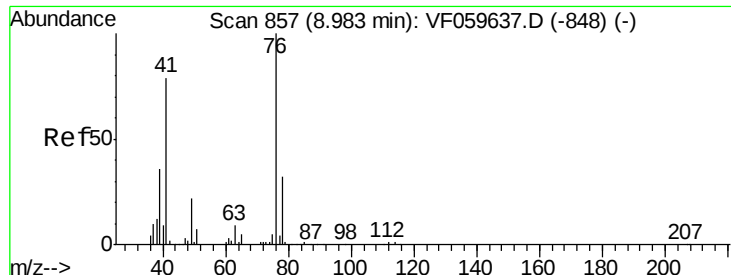
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	69	Resp:	150128
Ion	Ratio	Lower	Upper
69	100		
41	82.0	59.1	88.7
39	63.1	52.4	78.6





#57

1,3-Dichloropropane

Concen: 87.323 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 232454

Ion Ratio Lower Upper

76 100

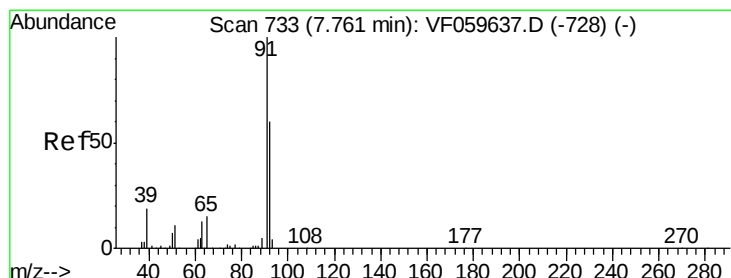
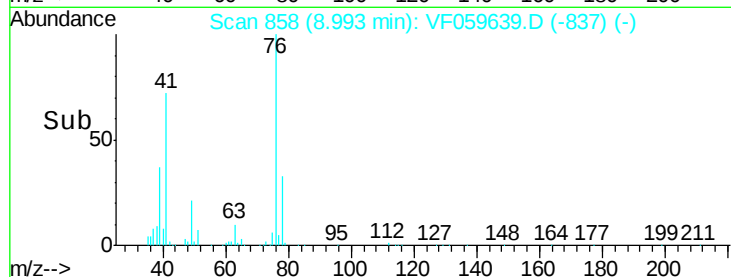
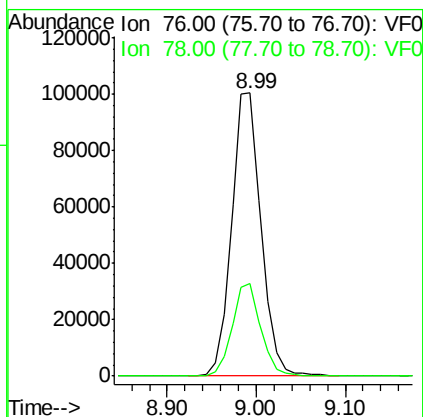
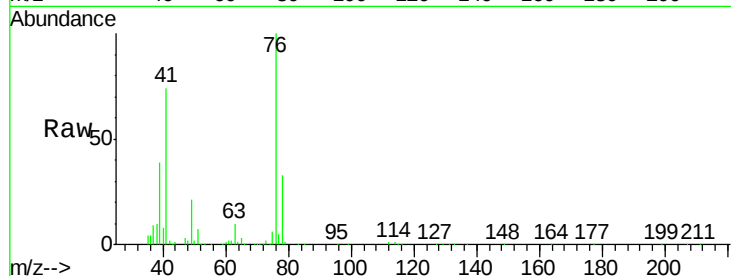
78 32.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 416.725 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.01 min

Lab File: VF059639.D

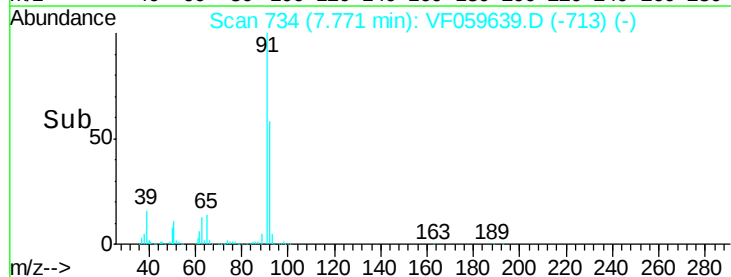
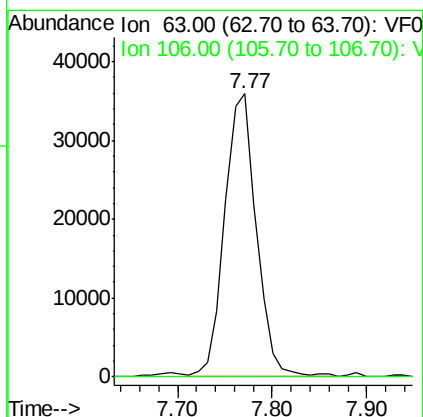
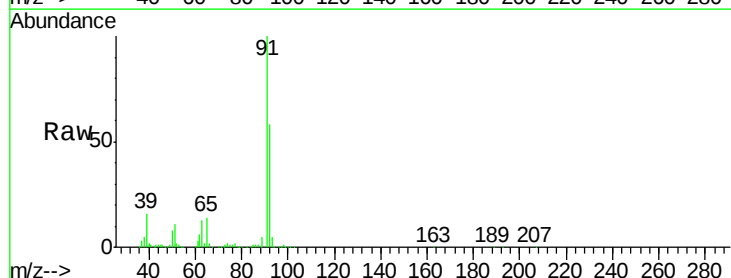
Acq: 24 Jul 2018 18:26

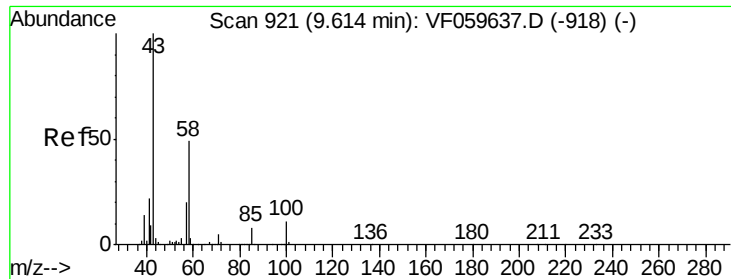
Tgt Ion: 63 Resp: 83532

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





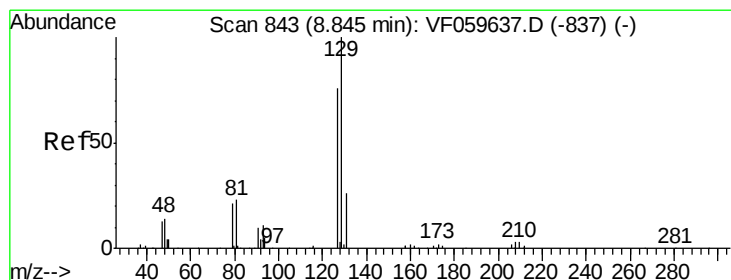
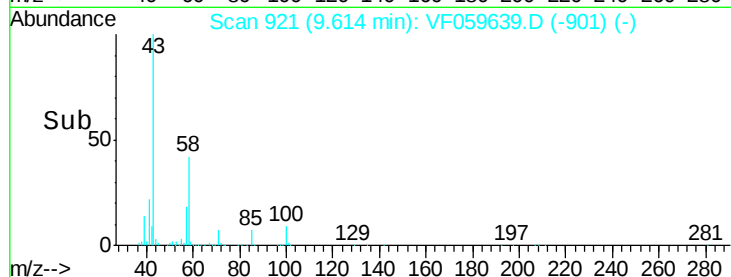
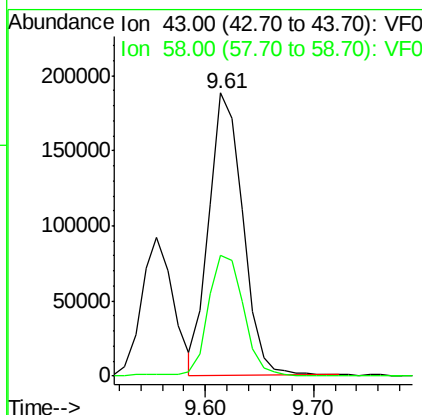
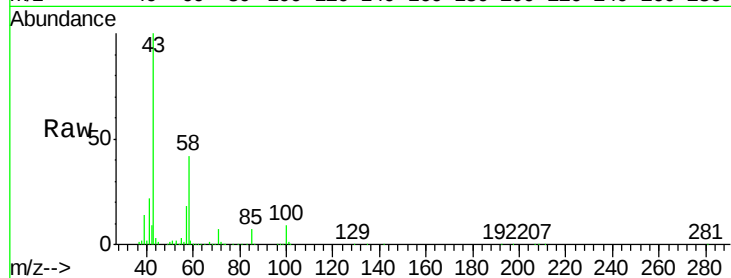
#59
2-Hexanone
Concen: 421.048 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 407286
Ion Ratio Lower Upper
43 100
58 42.5 23.6 71.0

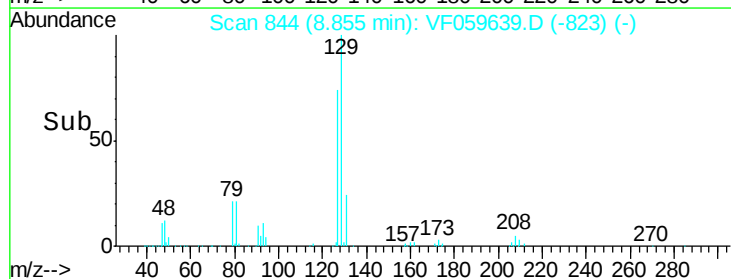
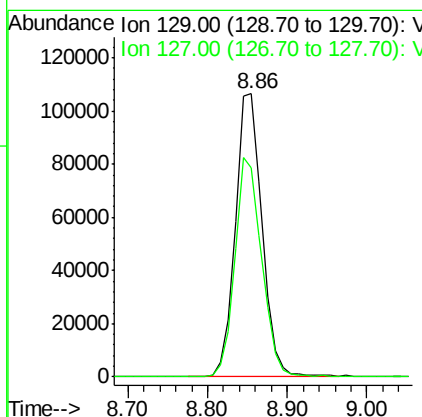
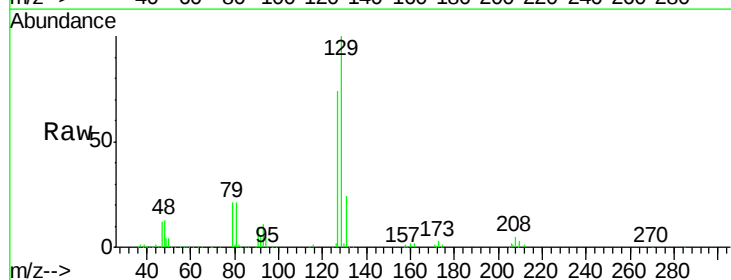
Manual Integrations
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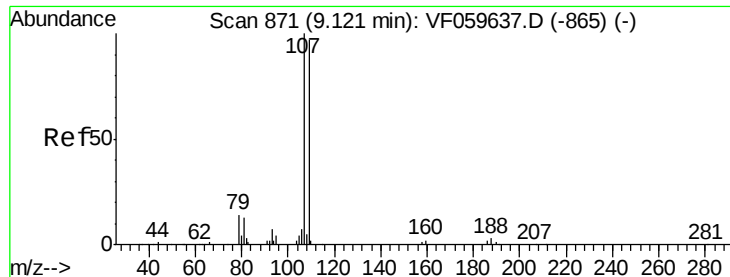
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#60
Dibromochloromethane
Concen: 90.797 ug/l
RT: 8.86 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 129 Resp: 248369
Ion Ratio Lower Upper
129 100
127 73.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 90.802 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 159204

Ion Ratio Lower Upper

107 100

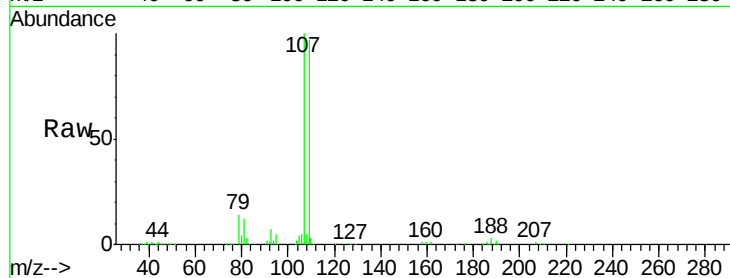
109 96.6 77.3 115.9

Manual Integrations

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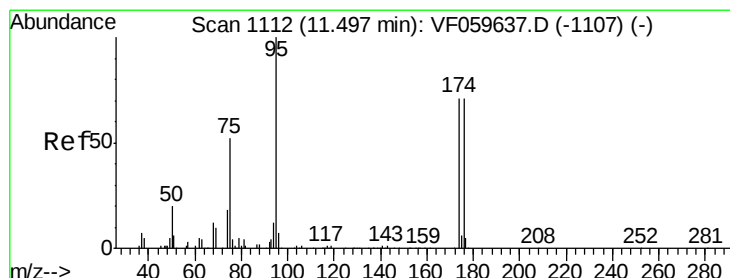
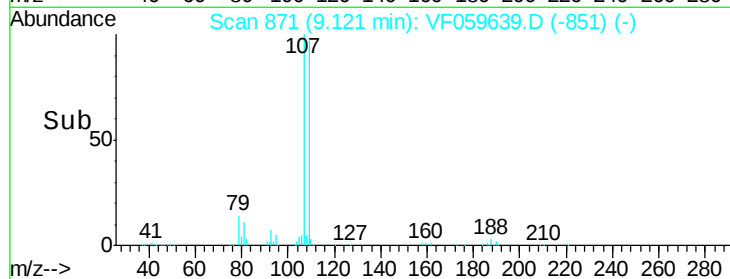
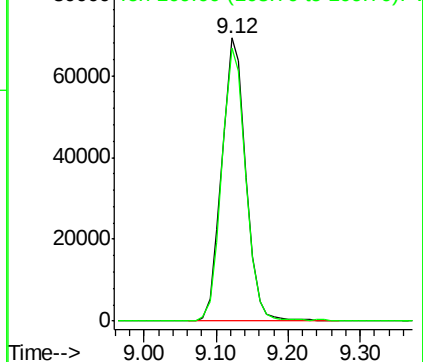
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 82.466 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

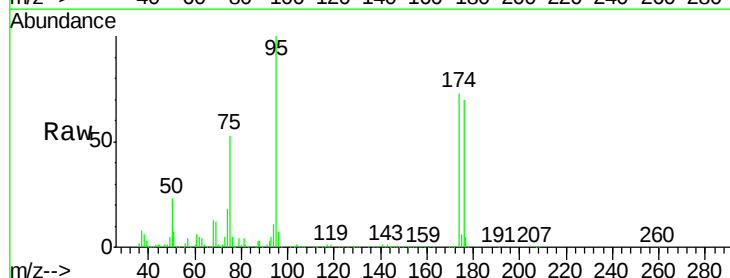
Tgt Ion: 95 Resp: 355466

Ion Ratio Lower Upper

95 100

174 72.9 0.0 141.8

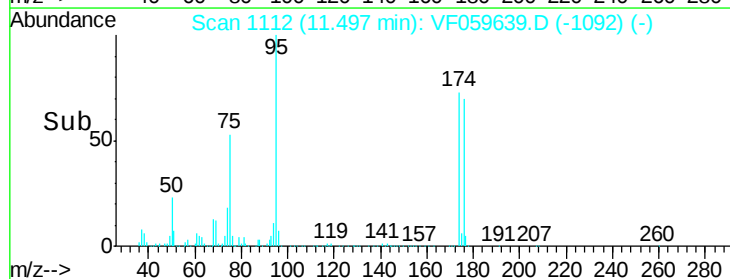
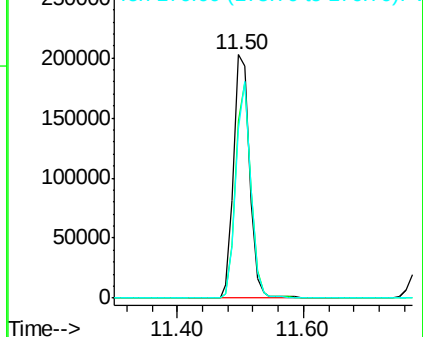
176 69.5 0.0 142.0

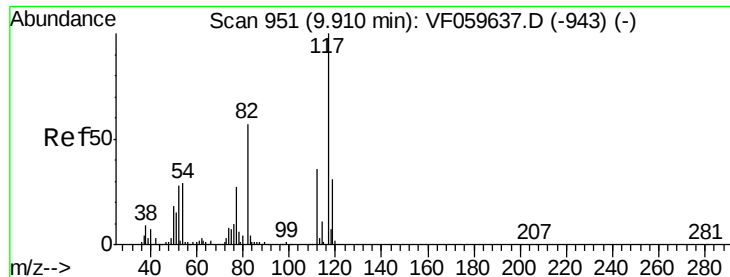


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

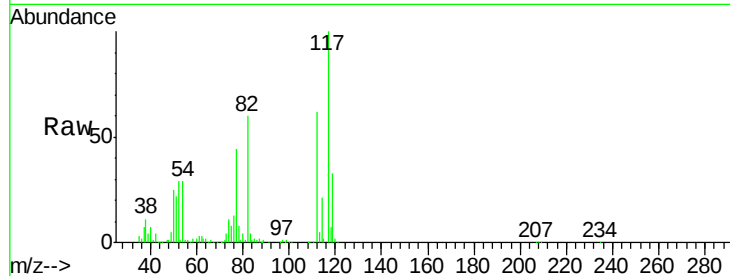
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	308590
Ion Ratio		Lower	Upper
117	100		
82	59.6	45.9	68.9
119	32.8	25.1	37.7

Manual Integrations
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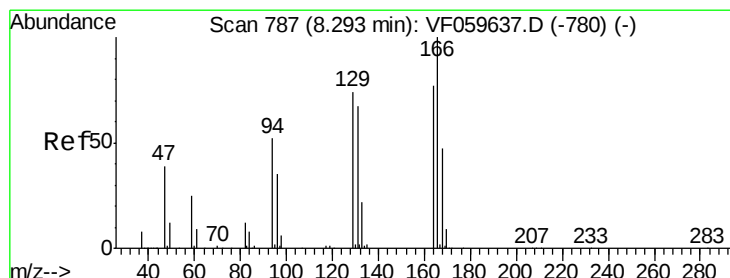
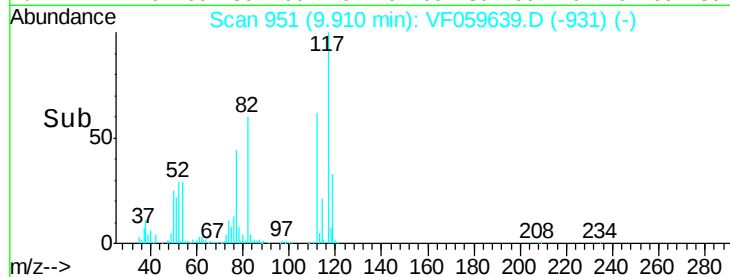
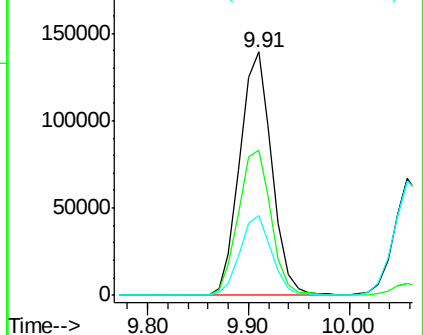
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 95.363 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

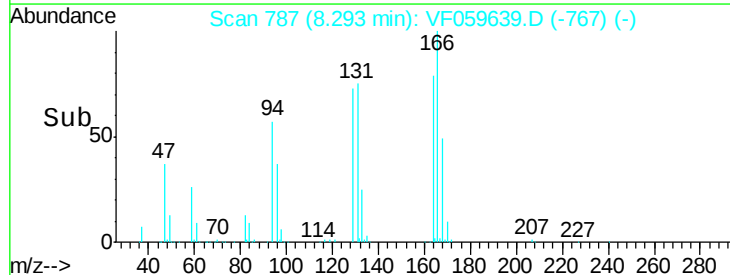
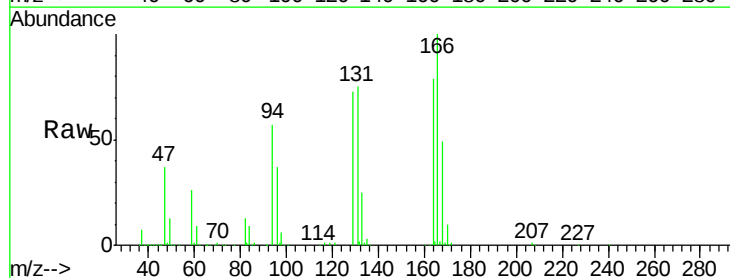
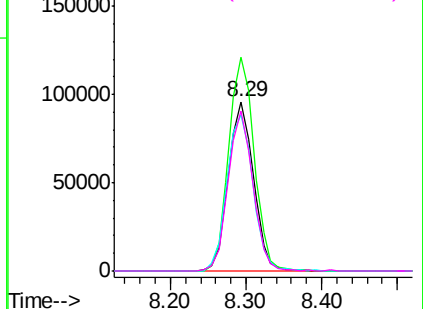
Tgt Ion:	164	Resp:	220340
Ion Ratio		Lower	Upper
164	100		
166	126.4	103.3	154.9
129	92.1	76.2	114.2
131	94.7	69.1	103.7

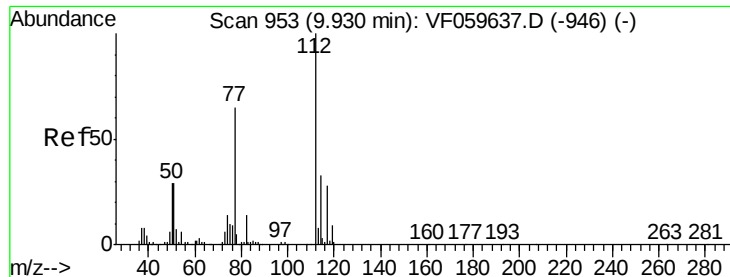
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





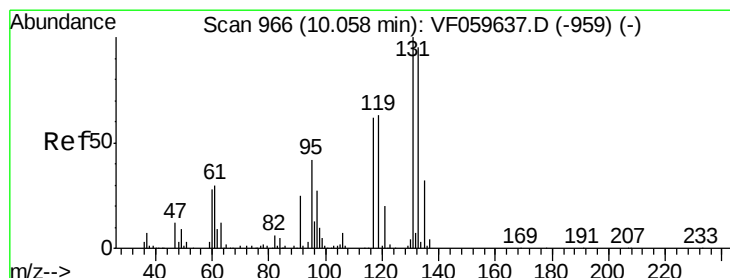
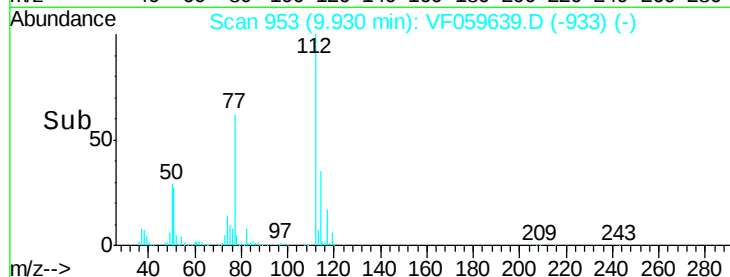
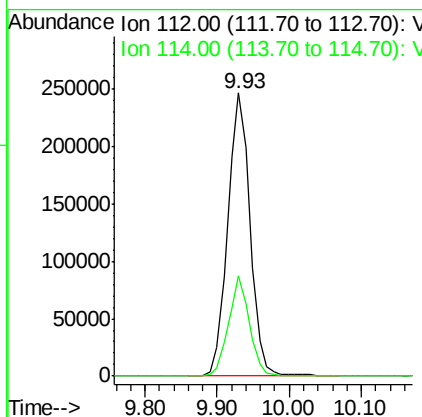
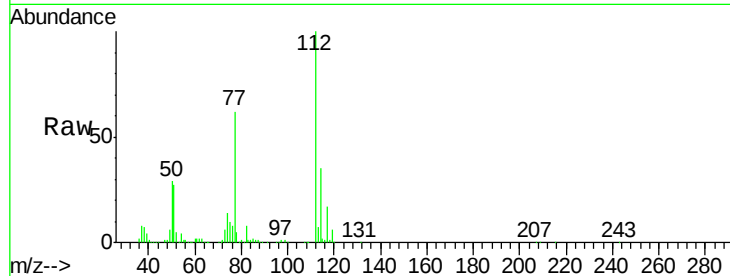
#65
Chlorobenzene
Concen: 94.468 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 531489
Ion Ratio Lower Upper
112 100
114 35.2 26.4 39.6

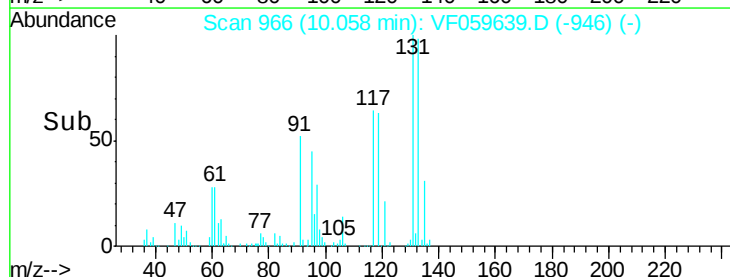
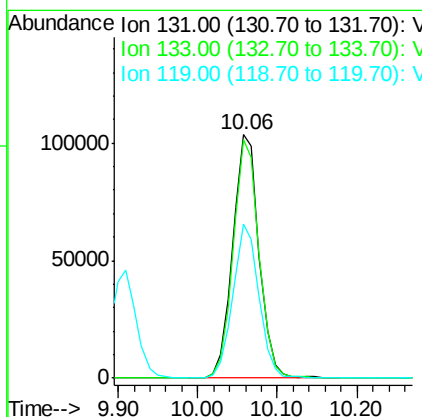
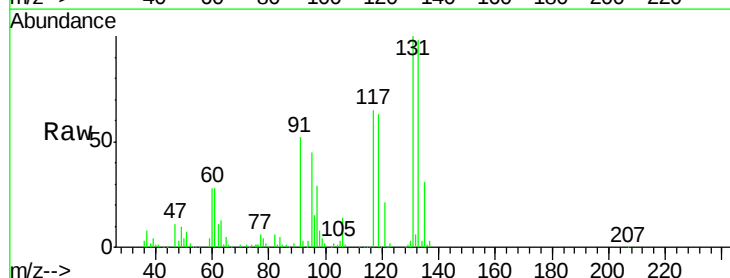
Manual Integrations
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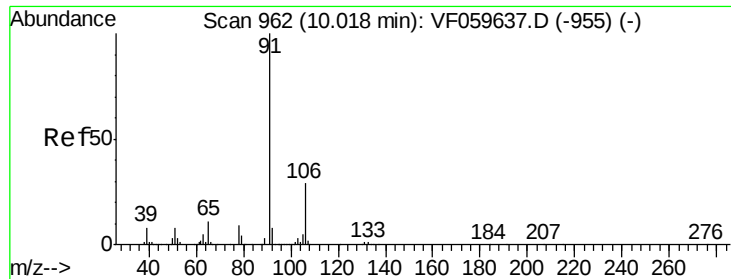
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#66
1,1,1,2-Tetrachloroethane
Concen: 93.063 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion:131 Resp: 238550
Ion Ratio Lower Upper
131 100
133 98.0 47.5 142.6
119 63.4 31.8 95.4





#67

Ethyl Benzene

Concen: 91.006 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 927299

Ion Ratio Lower Upper

91 100

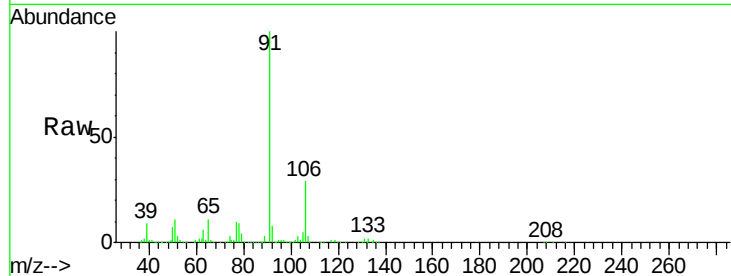
106 28.9 23.4 35.0

Manual Integrations

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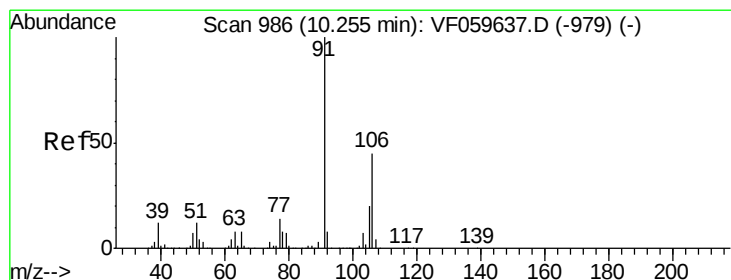
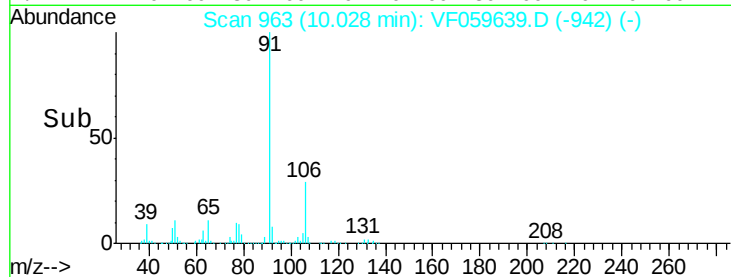
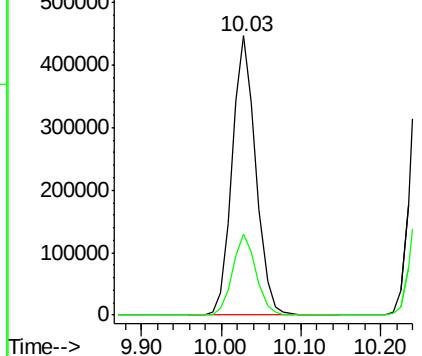
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 187.244 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF059639.D

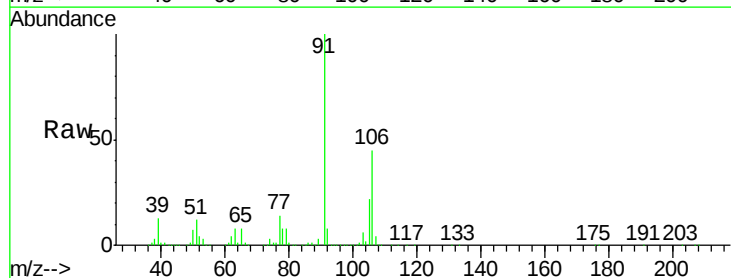
Acq: 24 Jul 2018 18:26

Tgt Ion: 106 Resp: 661935

Ion Ratio Lower Upper

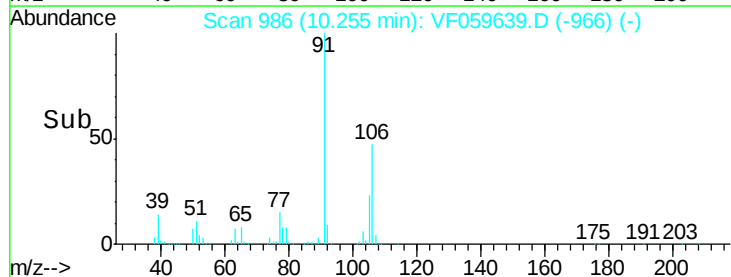
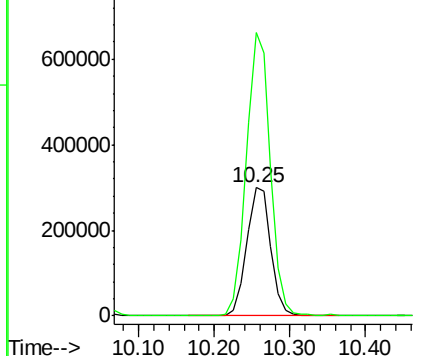
106 100

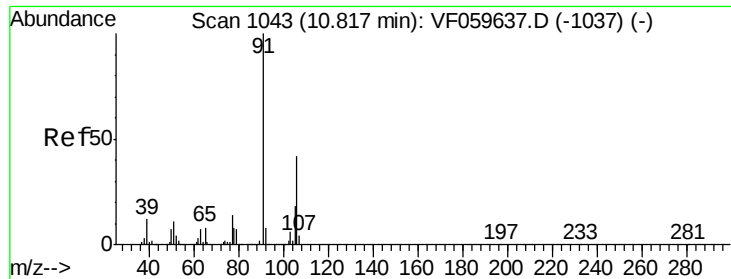
91 221.2 177.8 266.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





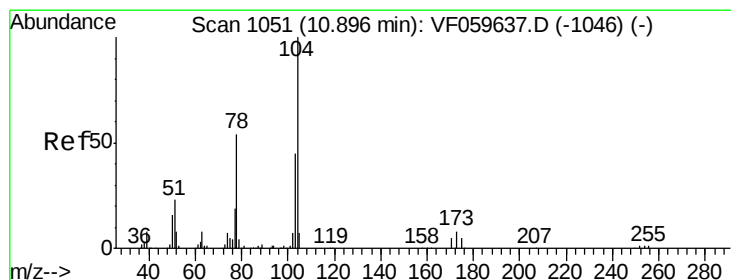
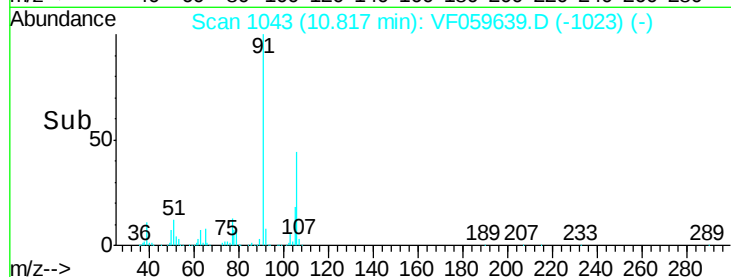
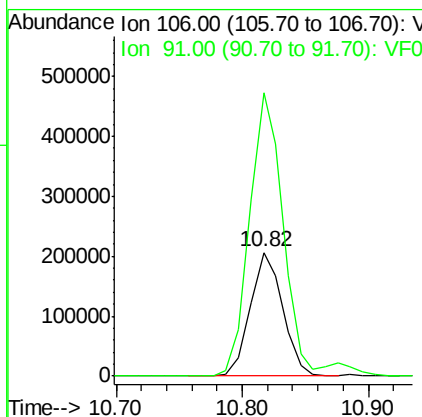
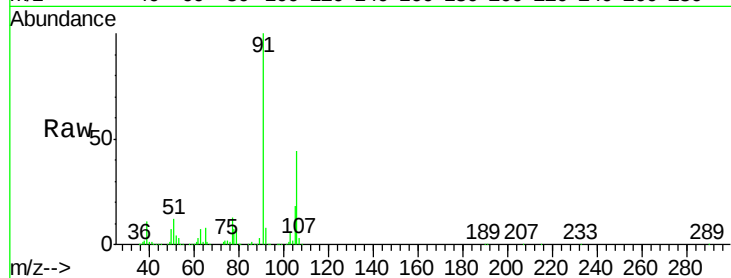
#69
o-Xylene
Concen: 97.300 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 370931
Ion Ratio Lower Upper
106 100
91 228.7 119.3 357.9

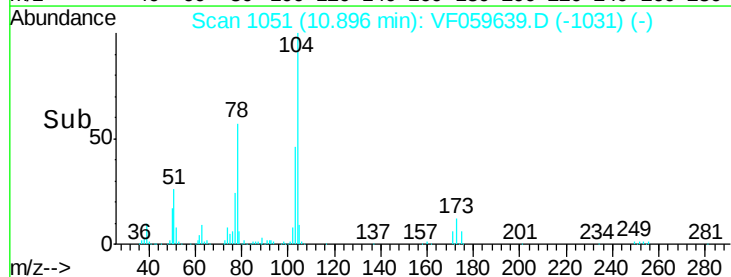
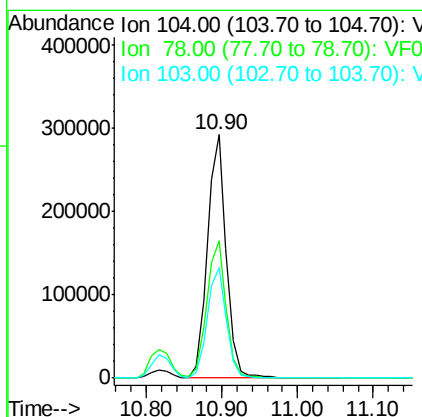
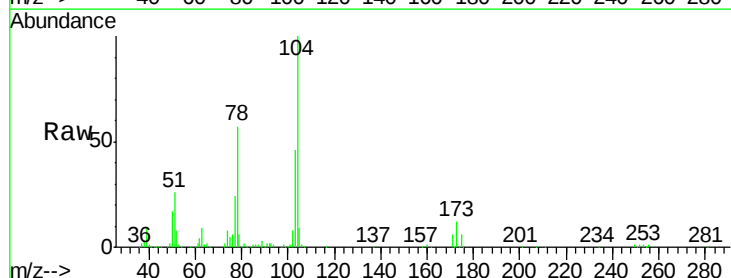
Manual Integrations
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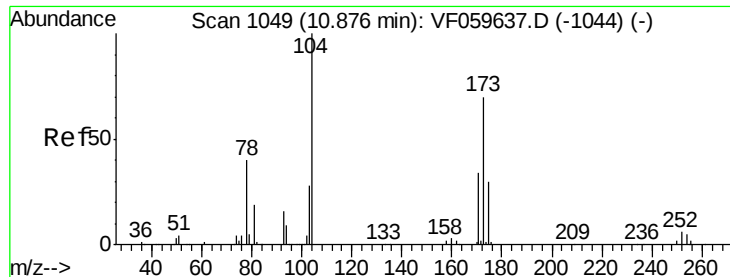
apatel
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#70
Styrene
Concen: 89.258 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion:104 Resp: 506908
Ion Ratio Lower Upper
104 100
78 56.5 43.4 65.2
103 45.5 36.7 55.1





#71

Bromoform

Concen: 90.513 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

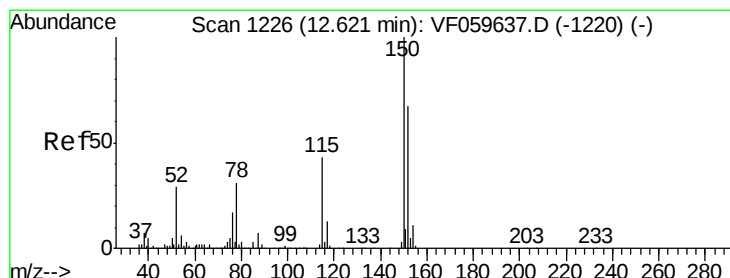
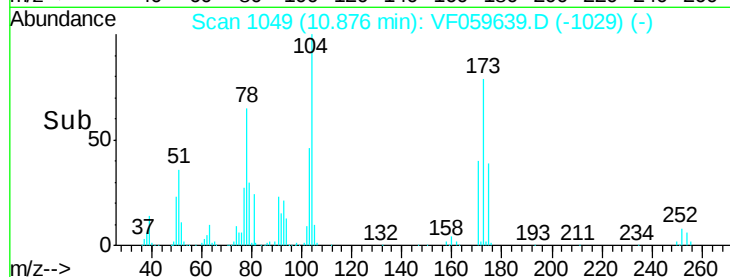
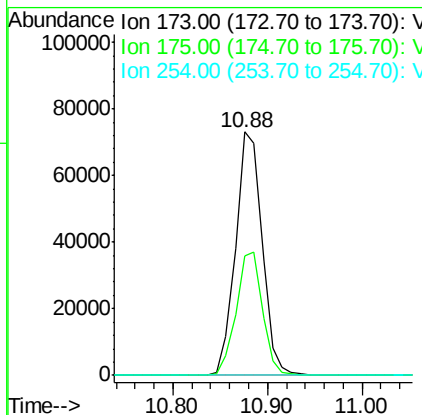
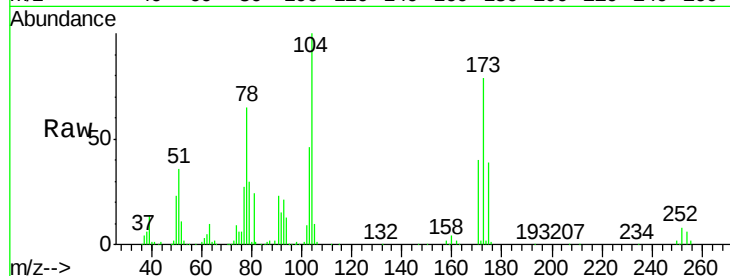
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	21.6	65.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

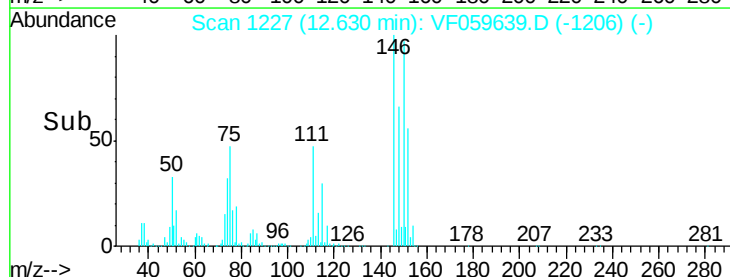
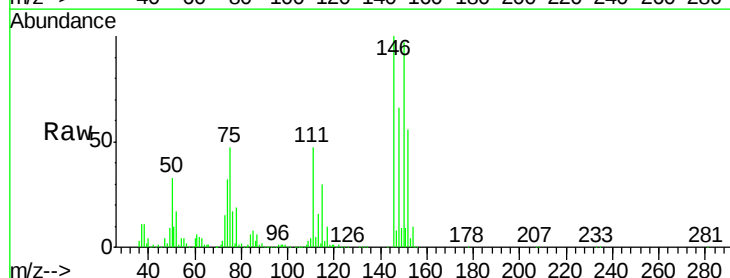
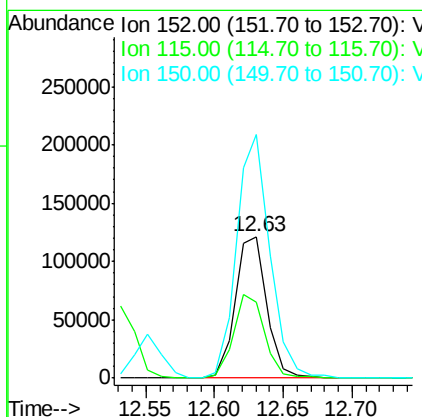
RT: 12.63 min Scan# 1227

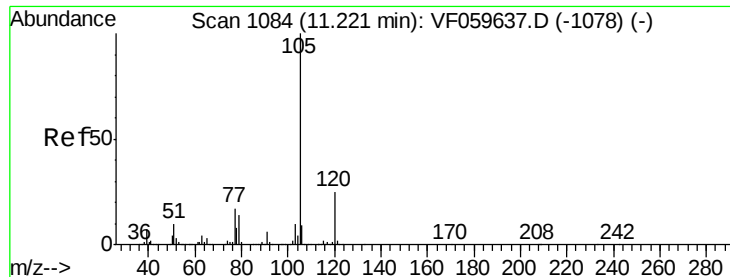
Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	32.0	96.2
150	172.4	0.0	313.2





#73

Isopropylbenzene

Concen: 89.398 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1094303

Ion Ratio Lower Upper

105 100

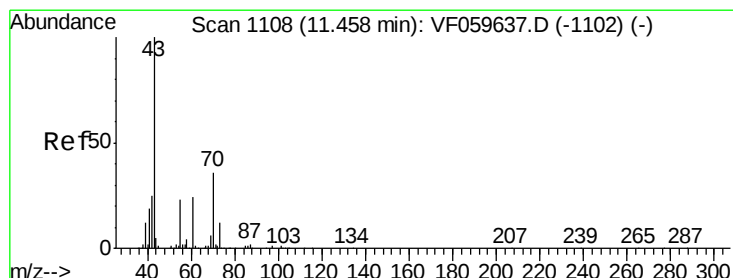
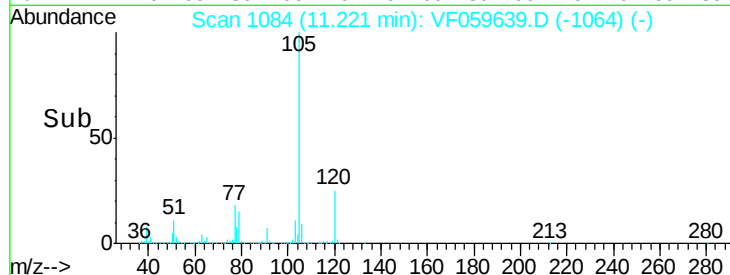
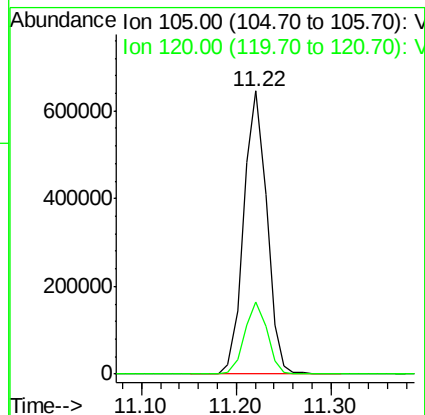
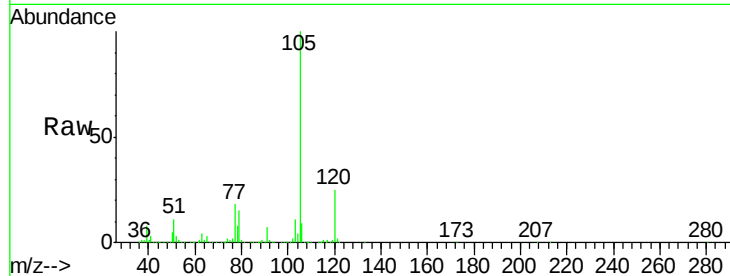
120 25.4 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 100.868 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion: 43 Resp: 271206

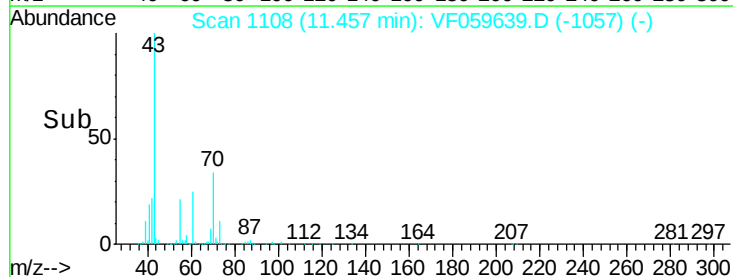
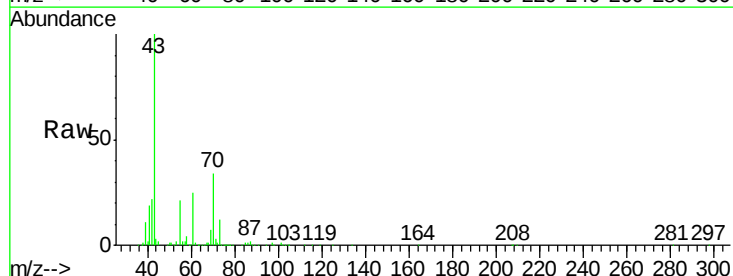
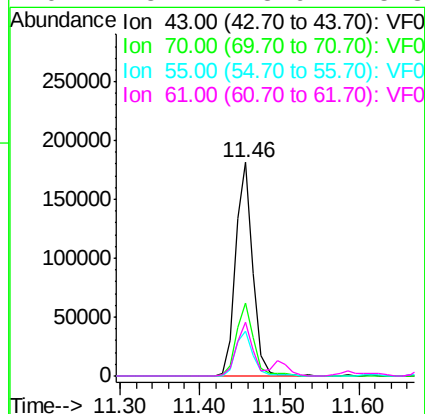
Ion Ratio Lower Upper

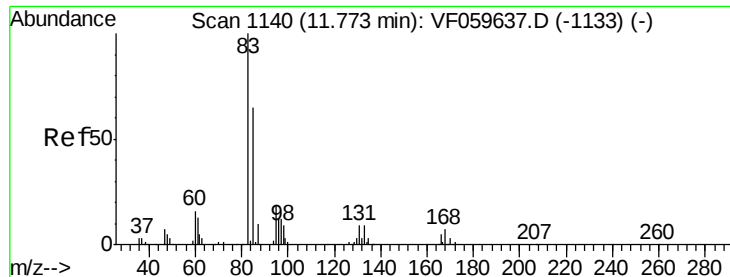
43 100

70 34.1 29.4 44.0

55 21.2 18.2 27.4

61 25.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 87.132 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

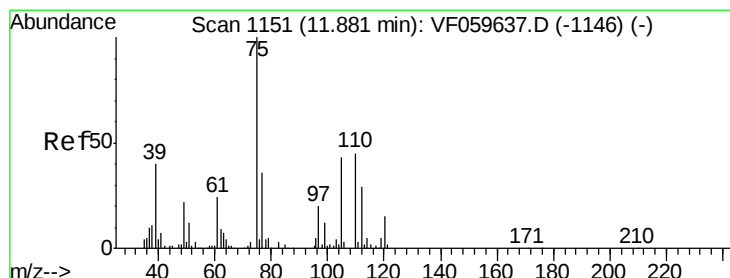
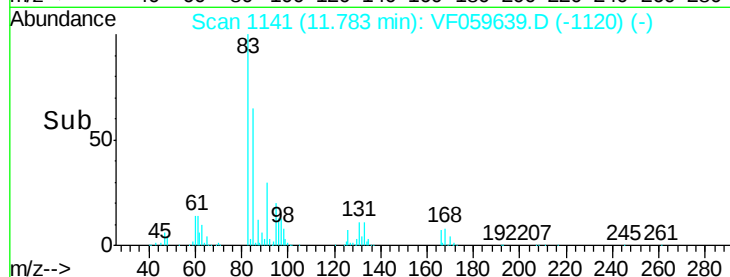
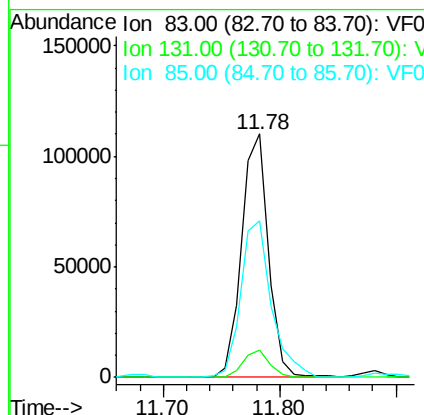
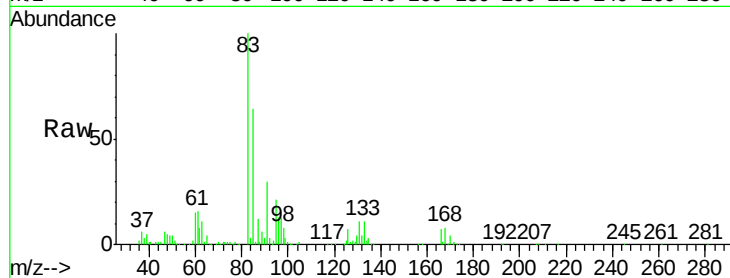
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	176309
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.5	13.5
85	64.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 83.487 ug/l

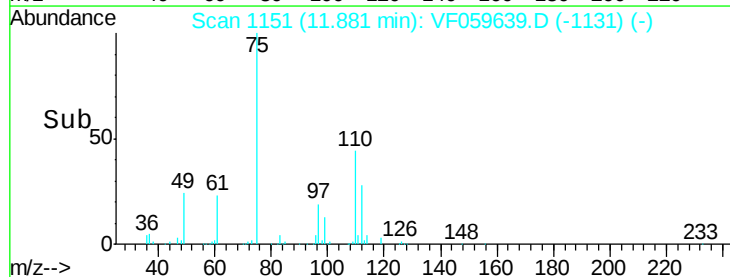
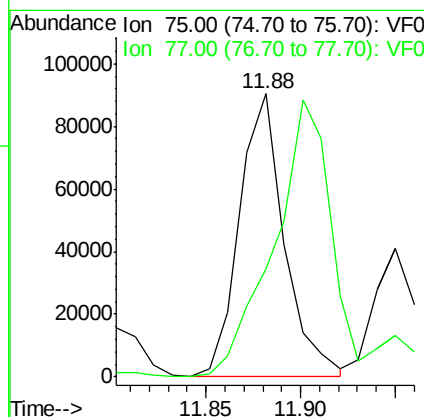
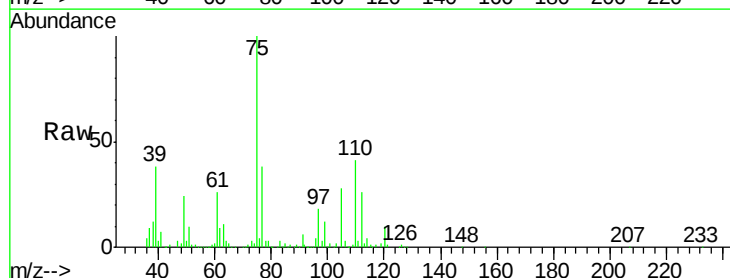
RT: 11.88 min Scan# 1151

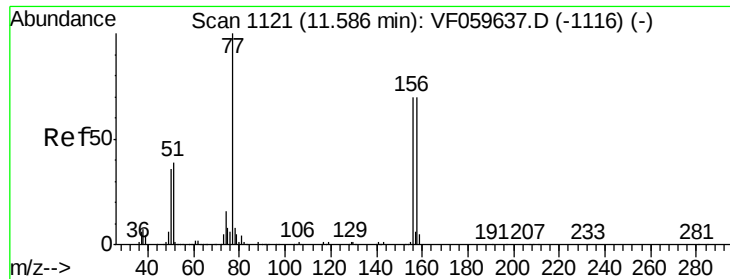
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	75	Resp:	147954
Ion Ratio	Lower	Upper	
75	100		
77	38.3	18.4	55.0





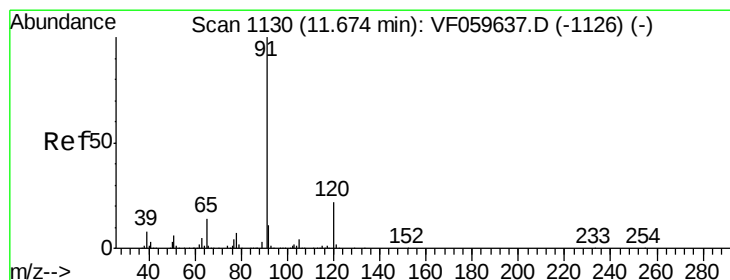
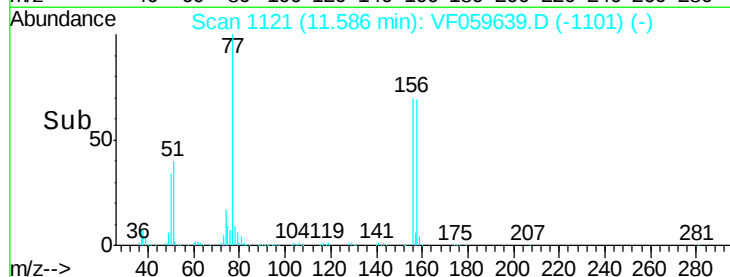
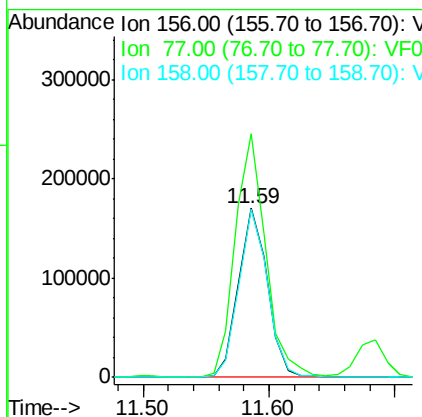
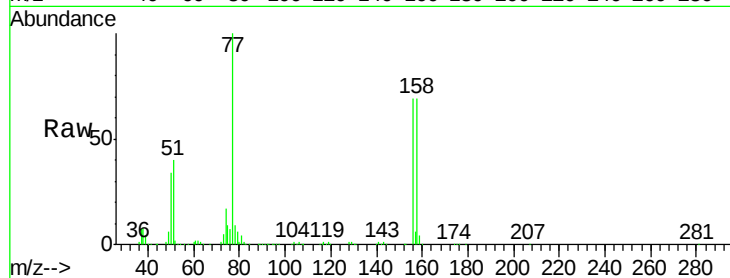
#77
Bromobenzene
Concen: 86.773 ug/l
RT: 11.59 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.9	71.5	214.3
158	99.4	50.0	149.8

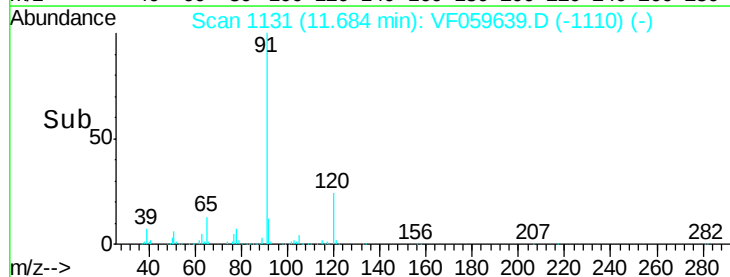
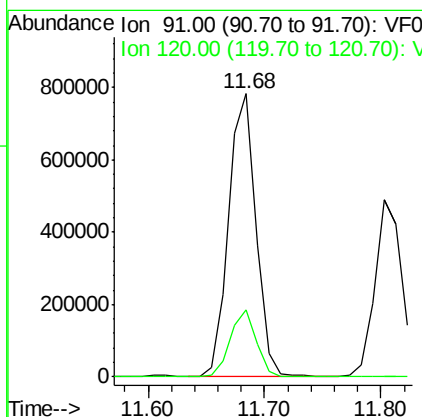
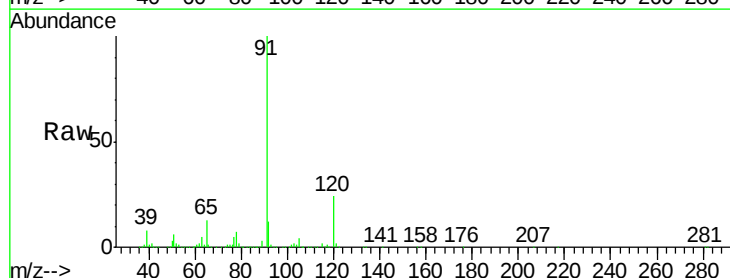
Manual Integrations
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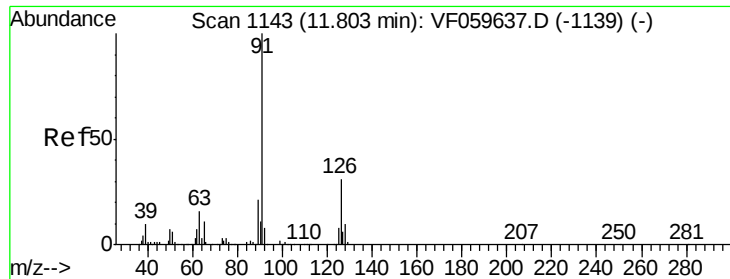
apatel
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#78
n-propylbenzene
Concen: 87.206 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	10.8	32.4





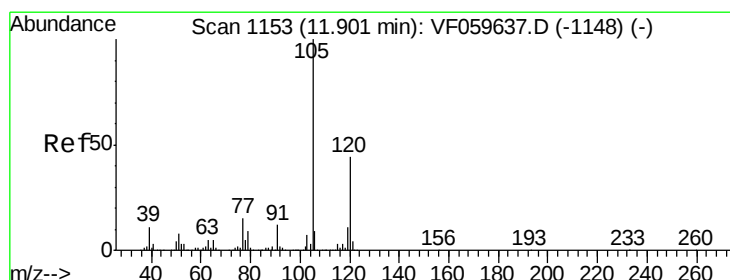
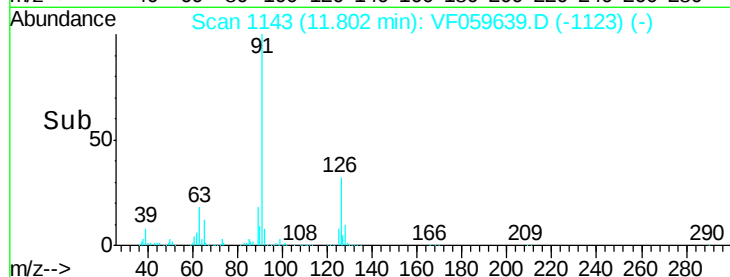
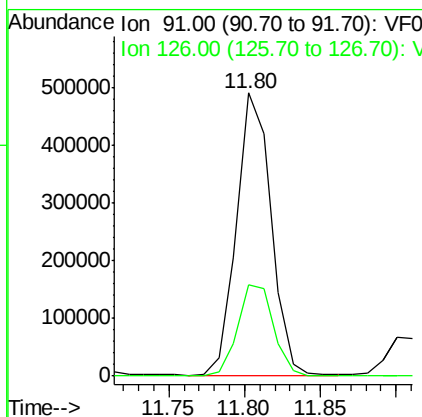
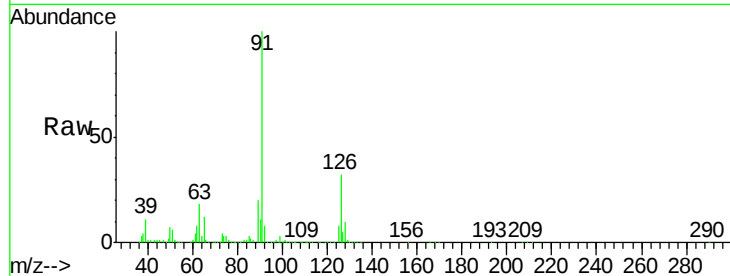
#79
 2-Chlorotoluene
 Concen: 88.319 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 775526
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.4 46.4

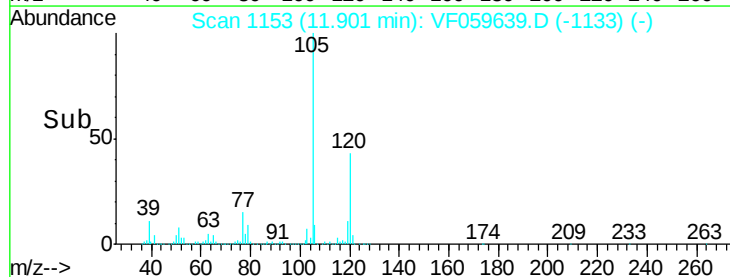
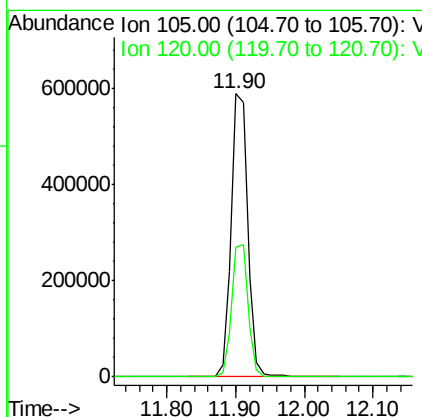
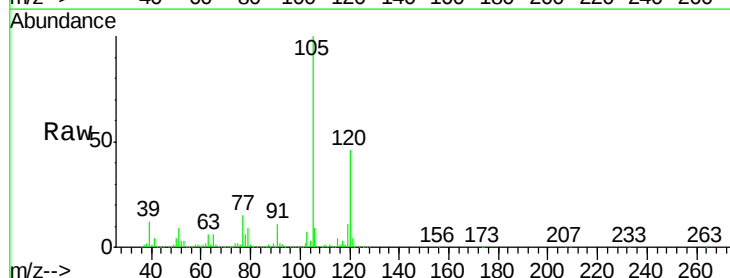
Manual Integrations
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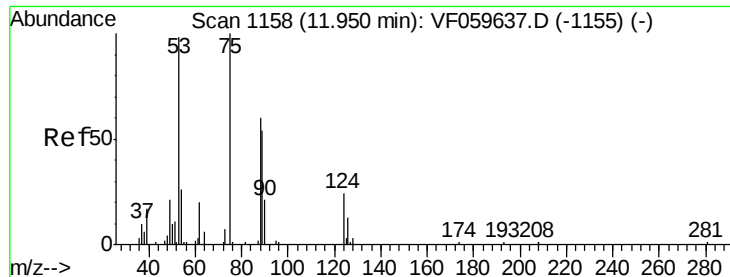
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#80
 1,3,5-Trimethylbenzene
 Concen: 89.589 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion: 105 Resp: 984169
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 122.074 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

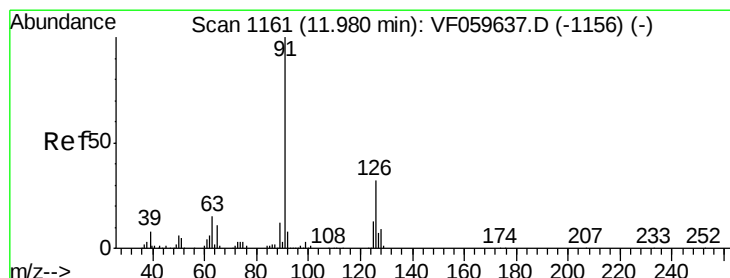
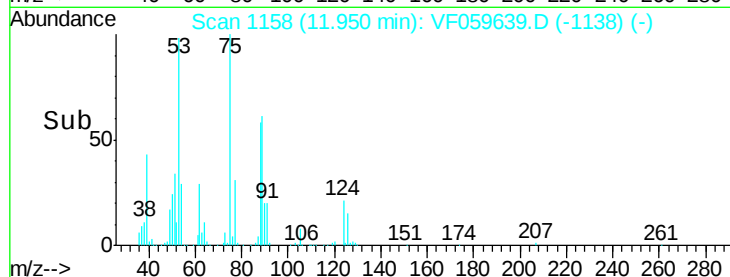
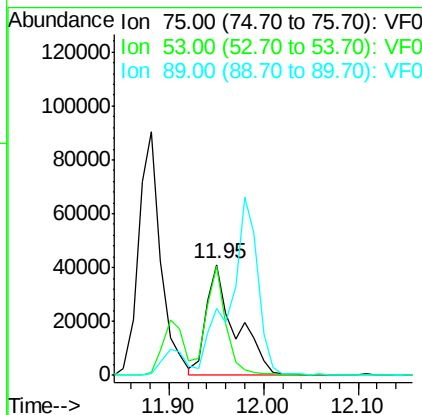
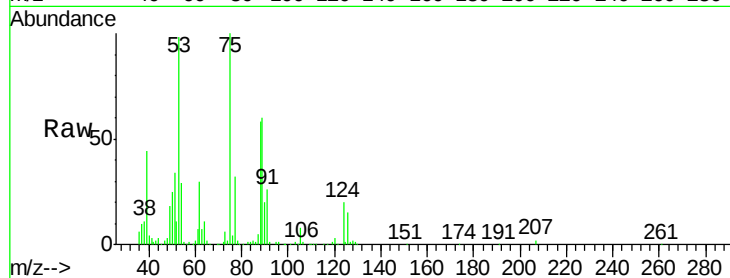
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	89557
Ion Ratio	Lower	Upper	
75	100		
53	98.2	82.3	123.5
89	60.3	48.2	72.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 87.477 ug/l

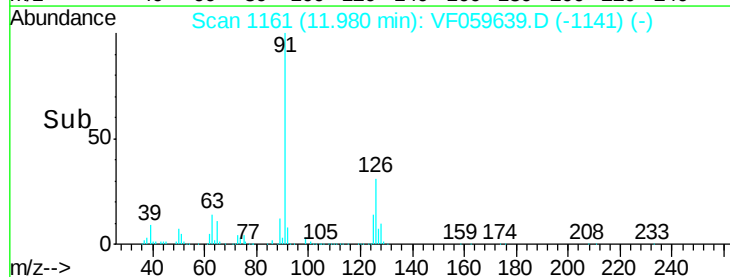
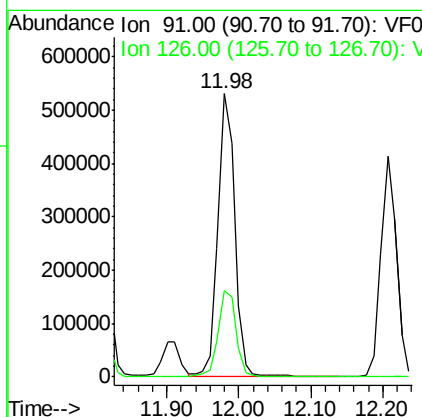
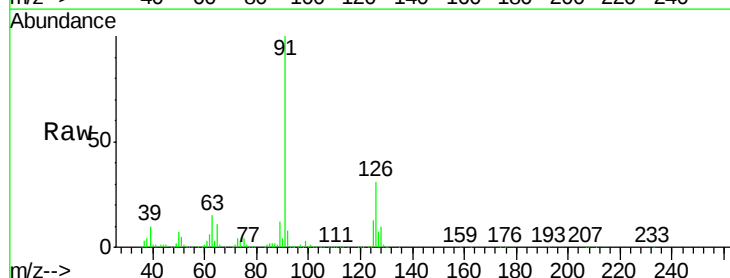
RT: 11.98 min Scan# 1161

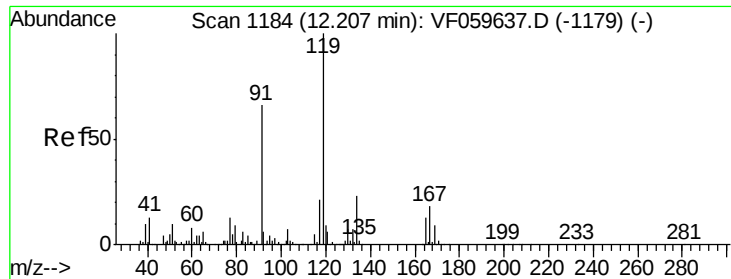
Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Tgt Ion:	91	Resp:	851274
Ion Ratio	Lower	Upper	
91	100		
126	30.5	16.1	48.2





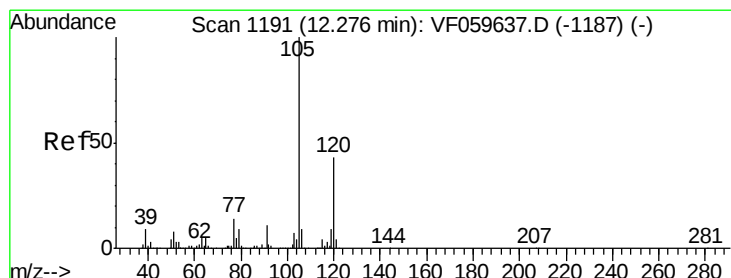
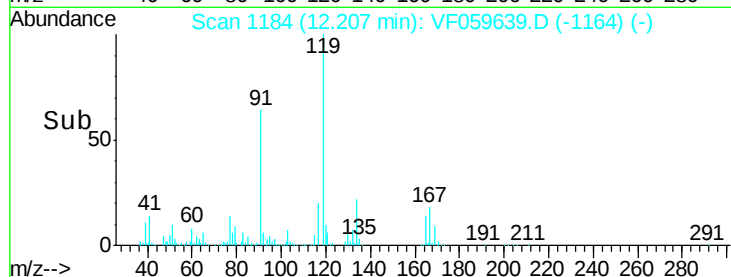
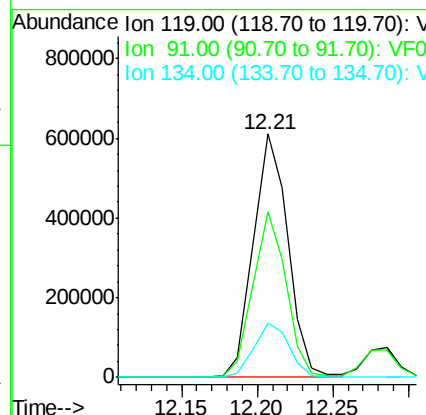
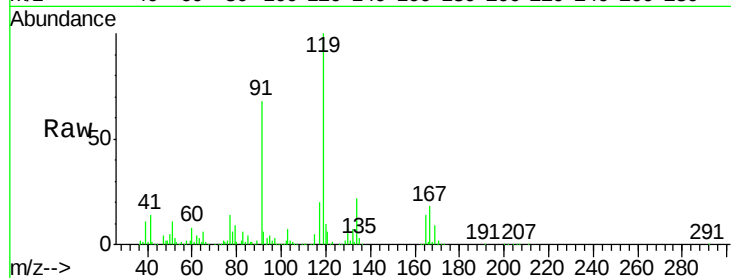
#83
tert-Butylbenzene
Concen: 90.114 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.2	99.6
134	22.1	11.5	34.4

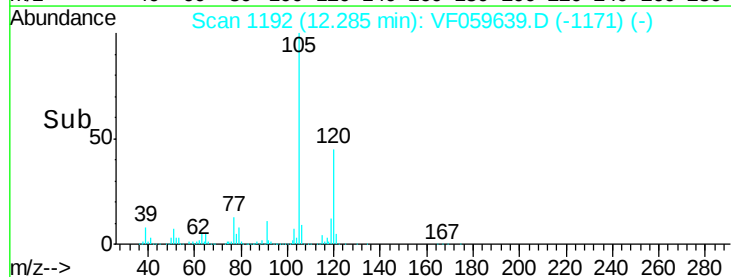
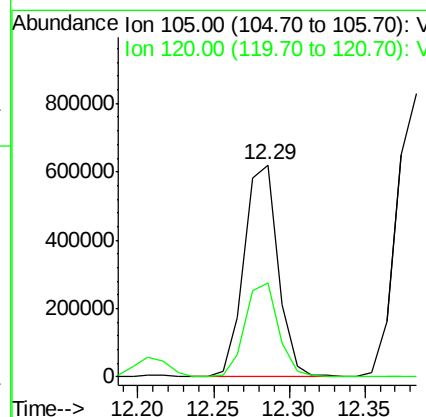
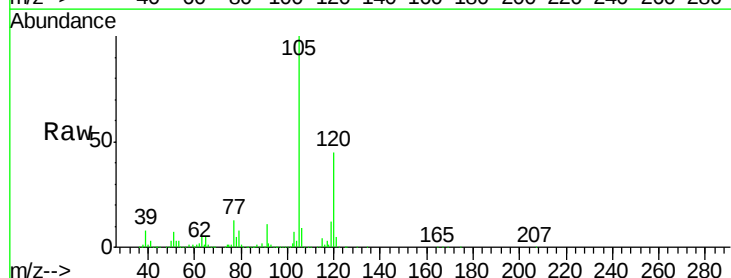
Manual Integrations
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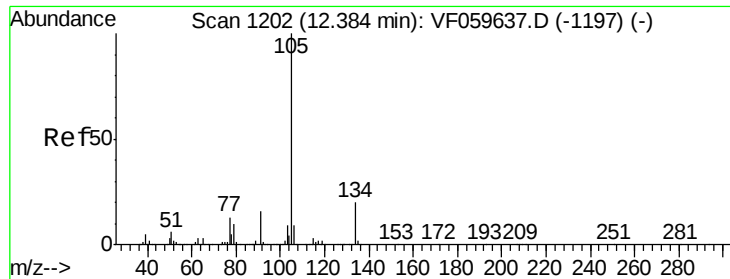
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#84
1,2,4-Trimethylbenzene
Concen: 87.475 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.4	64.2





#85

sec-Butylbenzene

Concen: 89.278 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1257591

Ion Ratio Lower Upper

105 100

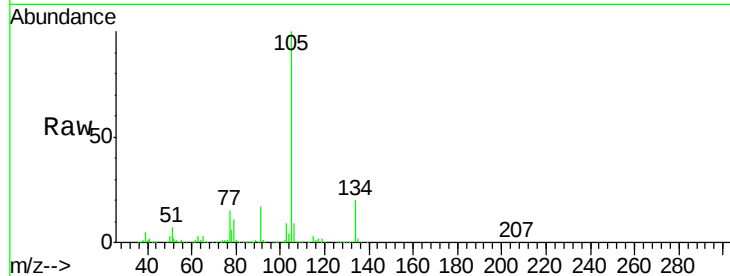
134 20.1 9.9 29.7

Manual Integrations

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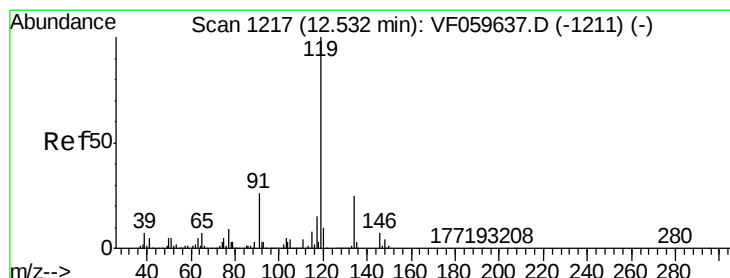
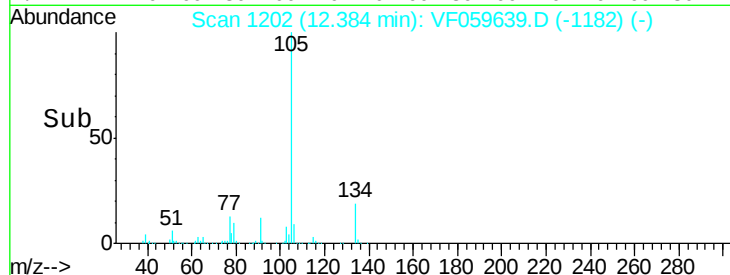
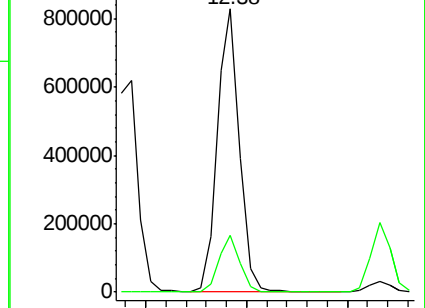
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 91.997 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059639.D

Acq: 24 Jul 2018 18:26

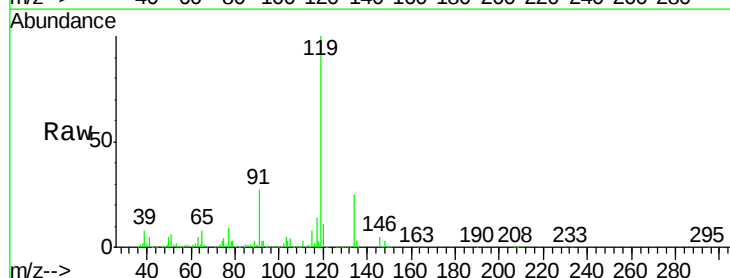
Tgt Ion:119 Resp: 1134380

Ion Ratio Lower Upper

119 100

134 25.3 12.4 37.0

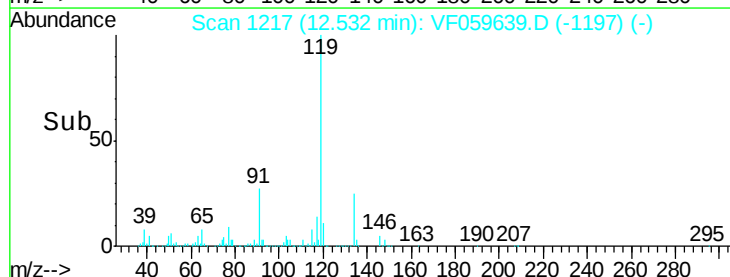
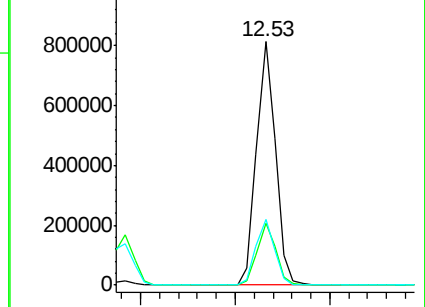
91 26.9 13.1 39.1

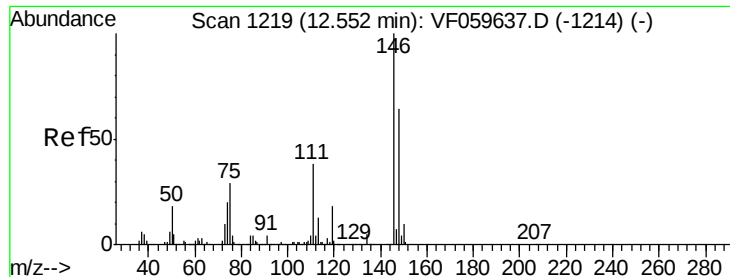


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





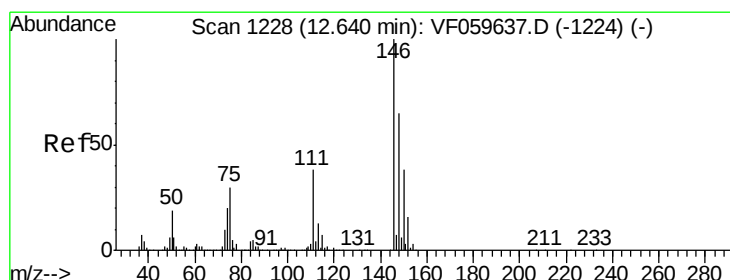
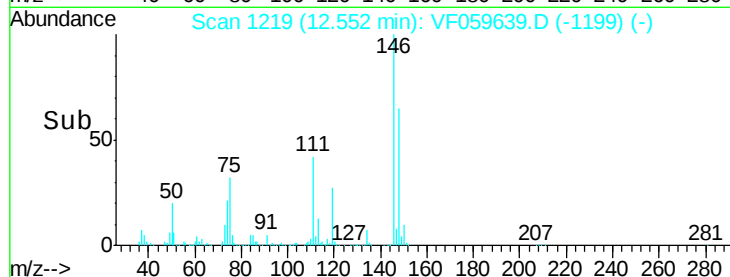
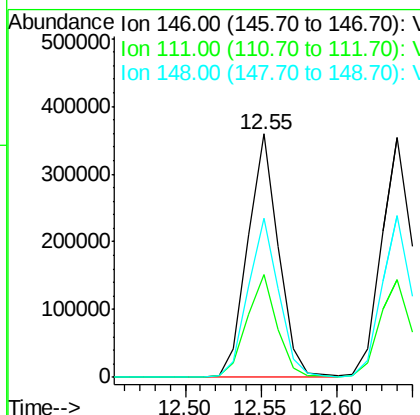
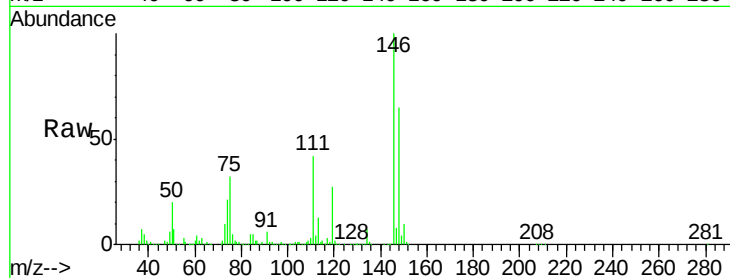
#87
 1,3-Dichlorobenzene
 Concen: 84.321 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.1	57.1
148	65.1	31.9	95.9

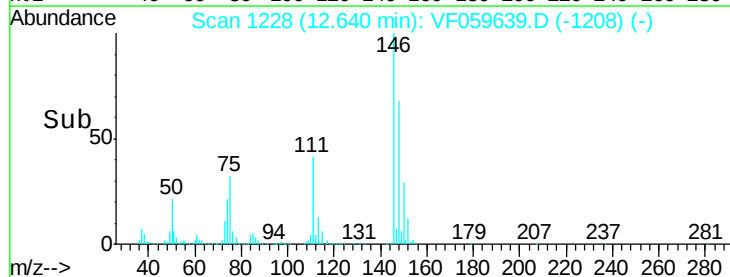
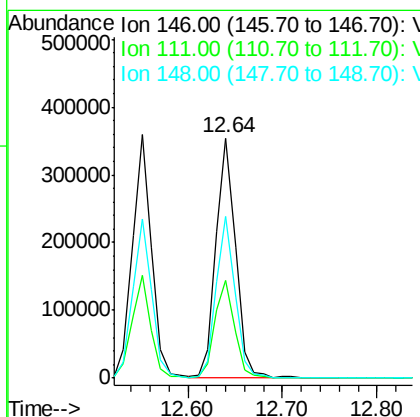
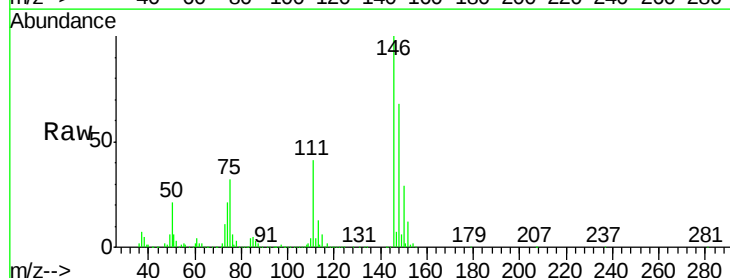
Manual Integrations
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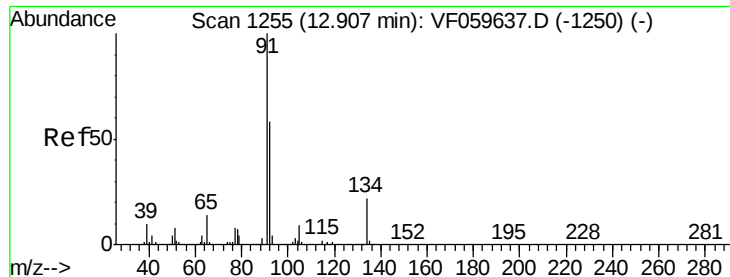
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 90.817 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.1
148	67.5	32.4	97.2





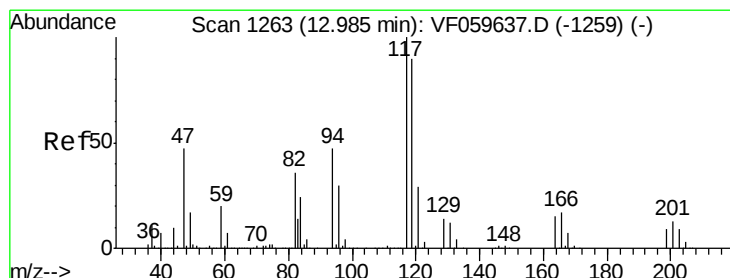
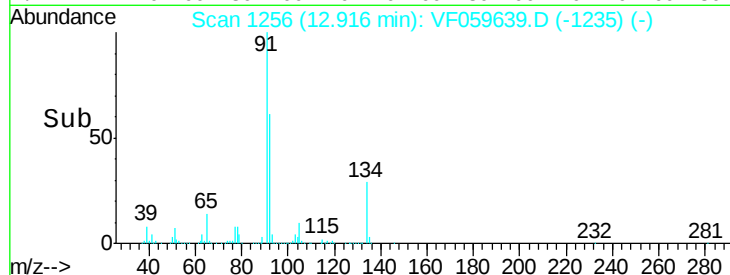
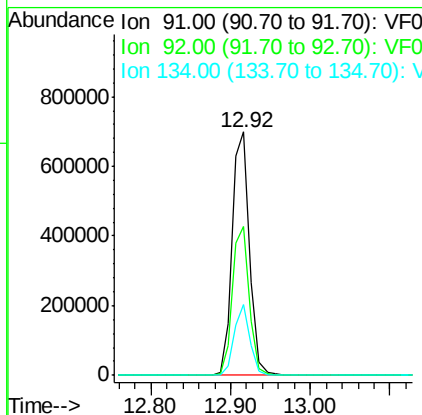
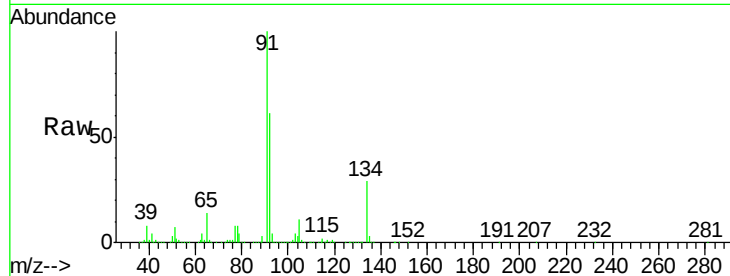
#89
n-Butylbenzene
Concen: 90.201 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1068475
Ion Ratio Lower Upper
91 100
92 61.4 29.1 87.3
134 29.2 11.2 33.6

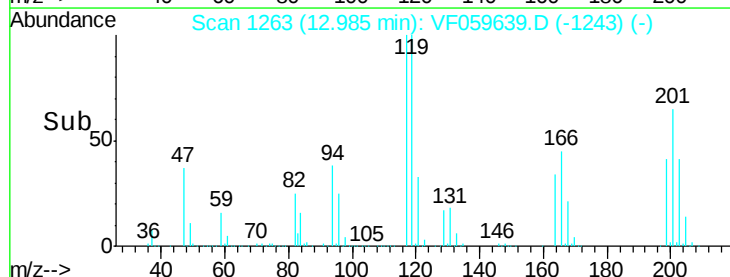
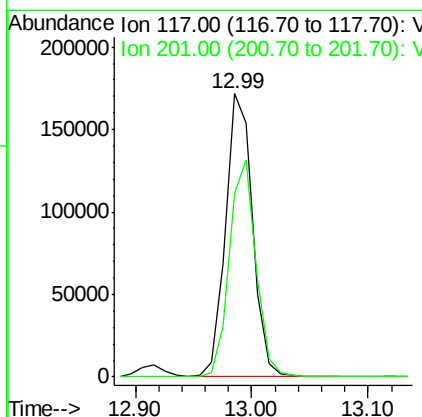
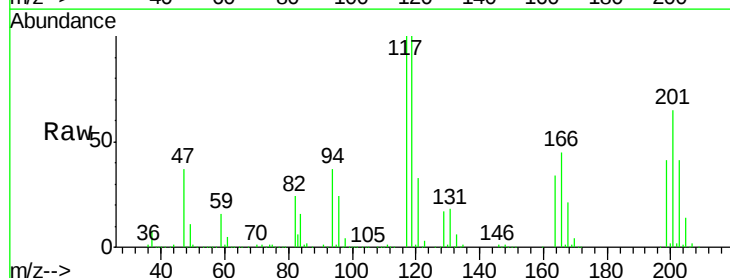
Manual Integrations
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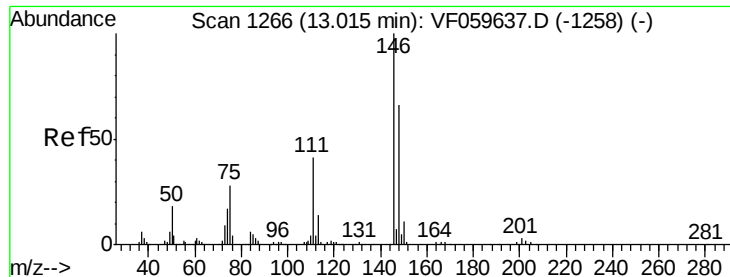
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#90
Hexachloroethane
Concen: 89.427 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion: 117 Resp: 275282
Ion Ratio Lower Upper
117 100
201 64.6 6.6 19.7#





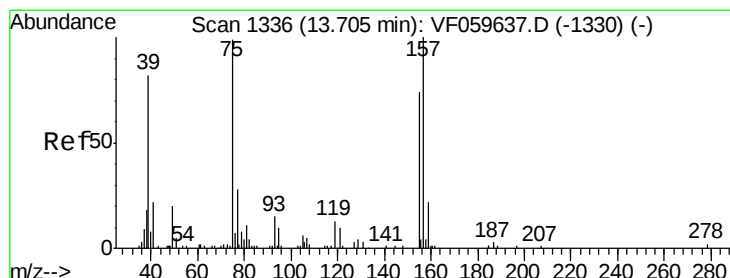
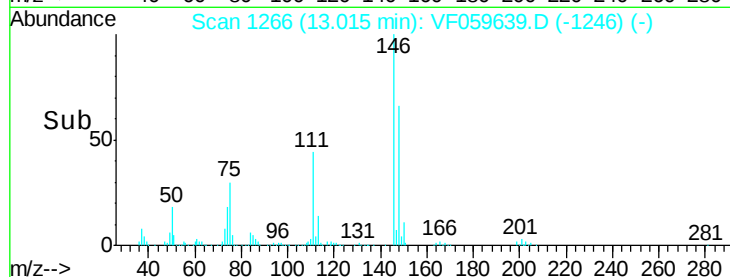
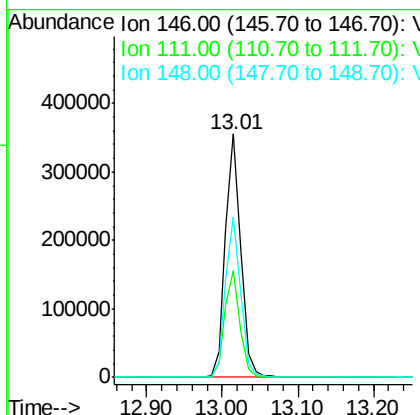
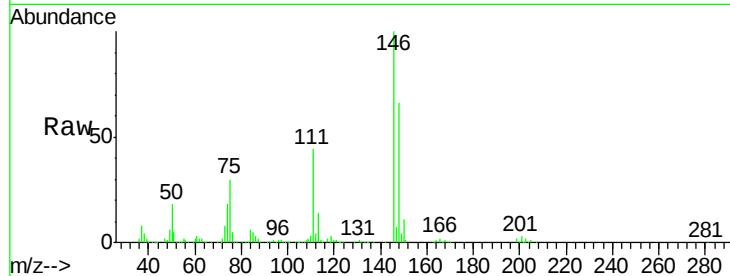
#91
 1,2-Dichlorobenzene
 Concen: 87.536 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.3	61.0
148	66.0	32.9	98.6

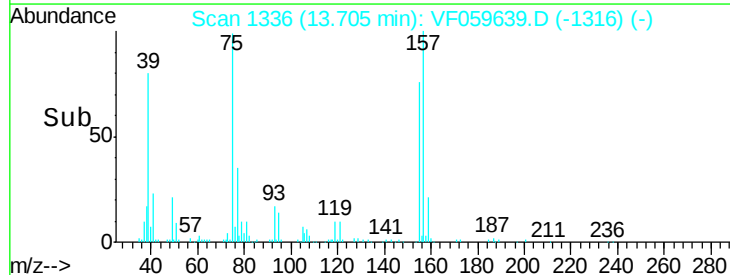
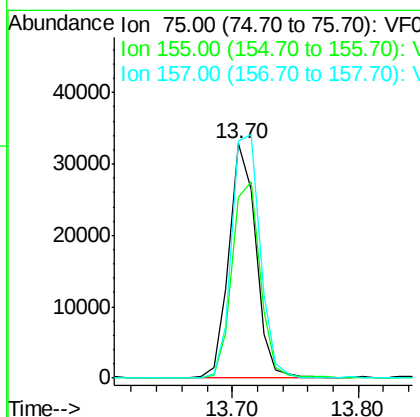
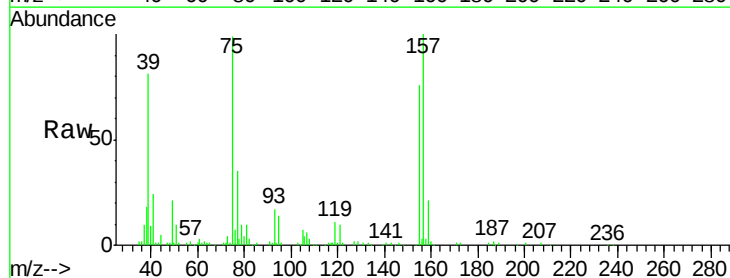
Manual Integrations
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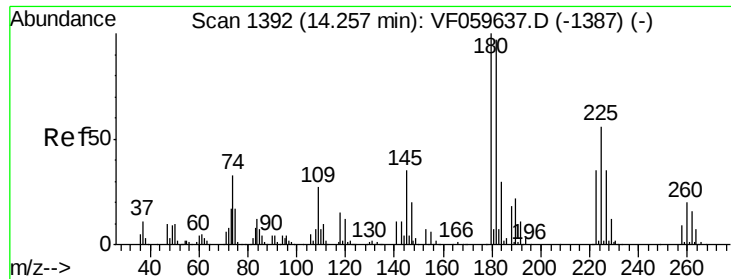
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.361 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	37.5	112.7
157	101.3	50.6	151.9





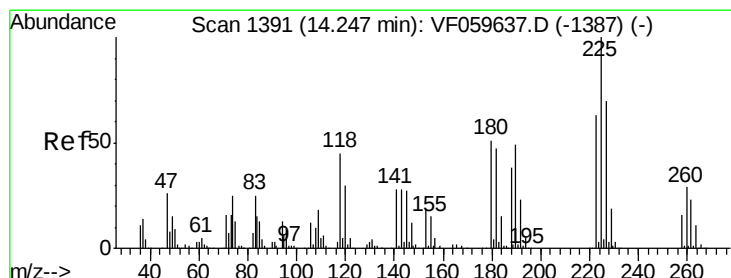
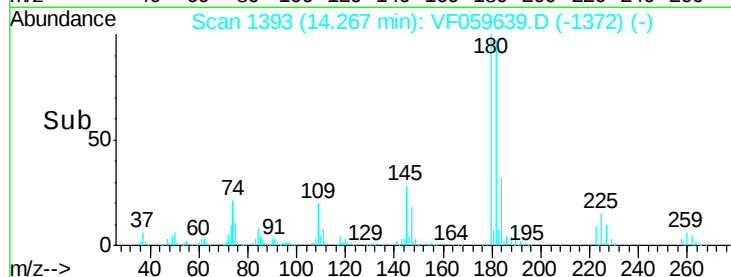
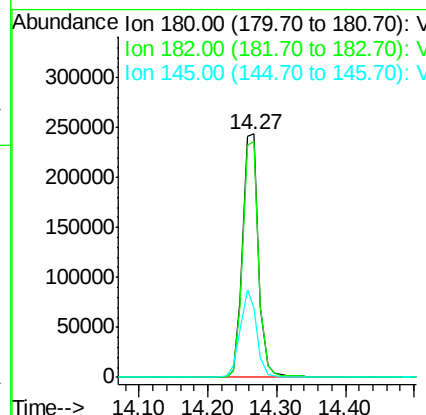
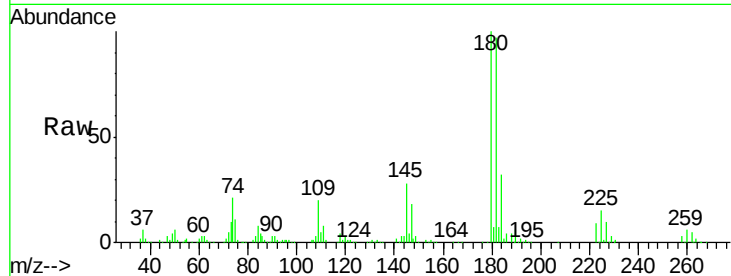
#93
 1,2,4-Trichlorobenzene
 Concen: 92.332 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	393630		
182	97.1	48.5	145.6	
145	28.3	17.4	52.2	

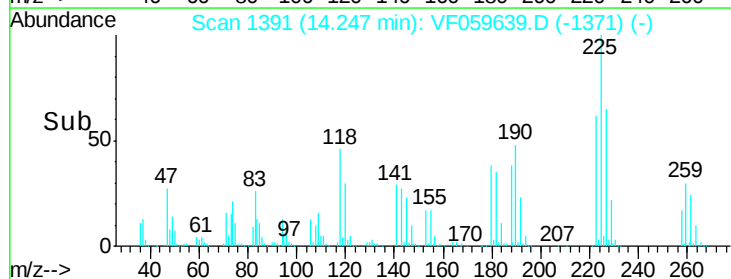
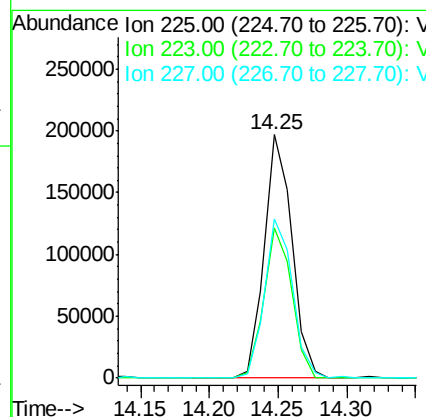
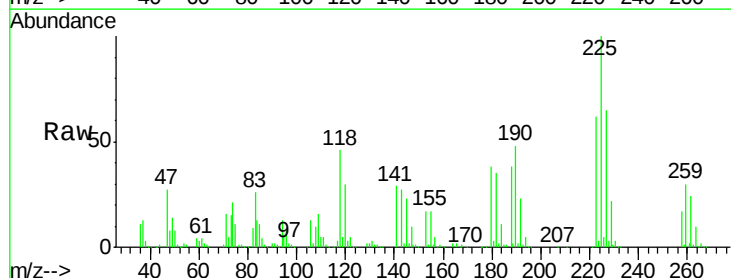
Manual Integrations
 APPROVED

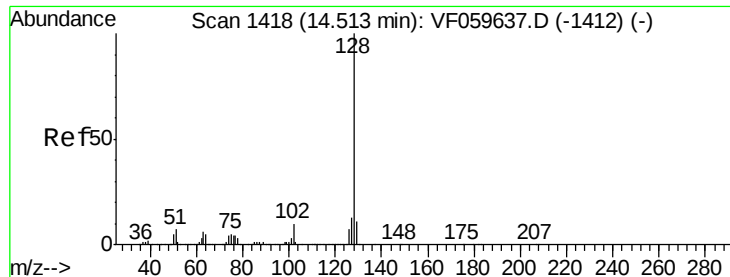
apatel
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#94
 Hexachlorobutadiene
 Concen: 93.192 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF059639.D
 Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	277313		
223	61.8	33.3	99.8	
227	65.4	34.8	104.4	





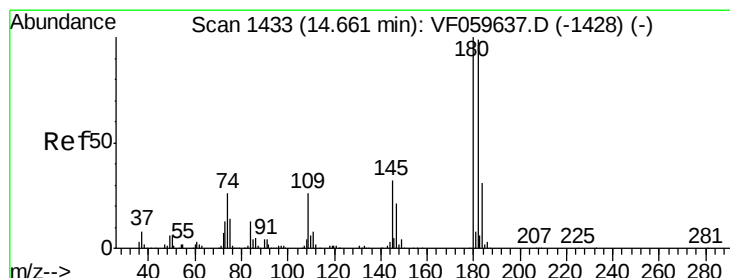
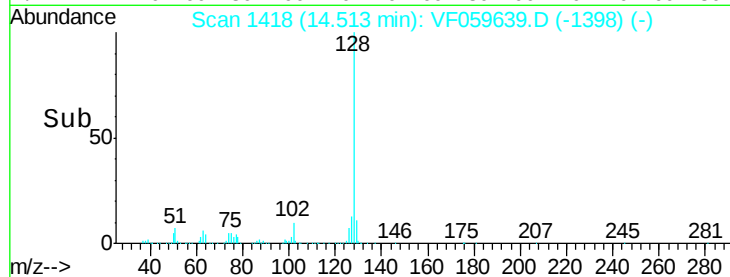
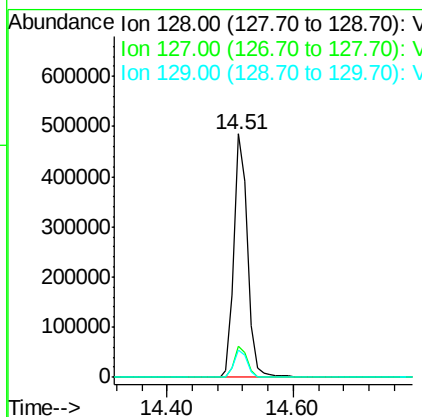
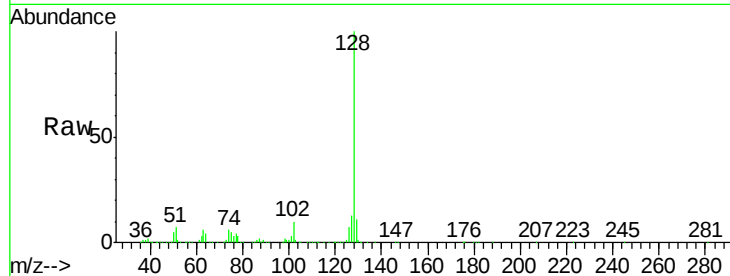
#95
Naphthalene
Concen: 104.131 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.3	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 95.457 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059639.D
Acq: 24 Jul 2018 18:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	49.5	148.5
145	34.2	16.0	48.0

