

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059958.D
 Acq On : 14 Aug 2018 21:28
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 8/16/2018 12:15:26 PM

Quant Time: Aug 15 09:15:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	134588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	195555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	189055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	117407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	327544	134.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.48%	
35) Dibromofluoromethane	4.31	113	258232	133.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.44%	
50) Toluene-d8	7.73	98	626590	151.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.14%	
62) 4-Bromofluorobenzene	11.53	95	325453	139.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	273000	121.64	ug/l	89
3) Chloromethane	1.10	50	123662	118.93	ug/l	93
4) Vinyl Chloride	1.16	62	150325	139.32	ug/l	97
5) Bromomethane	1.35	94	118379	117.08	ug/l	99
6) Chloroethane	1.43	64	91666	135.58	ug/l	97
7) Trichlorofluoromethane	1.54	101	391289m	131.25	ug/l	
8) Diethyl Ether	1.71	74	61257	131.51	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	193561	119.24	ug/l	98
10) Methyl Iodide	1.98	142	325126	130.89	ug/l	91
11) Tert butyl alcohol	2.70	59	63245	637.36	ug/l	94
12) 1,1-Dichloroethene	1.87	96	152961	128.63	ug/l	99
13) Acrolein	2.10	56	44004	746.21	ug/l	96
14) Allyl chloride	2.19	41	207475	108.70	ug/l	93
15) Acrylonitrile	3.09	53	107681	621.27	ug/l	99
16) Acetone	2.35	43	295716	657.14	ug/l	95
17) Carbon Disulfide	1.90	76	392282m	125.46	ug/l	
18) Methyl Acetate	2.46	43	87538	118.21	ug/l #	92
19) Methyl tert-butyl Ether	2.55	73	435244	129.20	ug/l	99
20) Methylene Chloride	2.33	84	137665m	138.05	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	144800	123.19	ug/l	95
22) Diisopropyl ether	2.93	45	519840	136.46	ug/l	96
23) Vinyl Acetate	3.35	43	1290813	696.06	ug/l	100
24) 1,1-Dichloroethane	3.01	63	346091	125.08	ug/l	98
25) 2-Butanone	4.53	43	335350	694.42	ug/l	100
26) 2,2-Dichloropropane	3.78	77	207801	126.44	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	165248	126.27	ug/l	98
28) Bromochloromethane	3.91	49	121137	122.13	ug/l #	83
29) Tetrahydrofuran	4.26	42	114856	646.15	ug/l	98
30) Chloroform	4.06	83	481477	128.50	ug/l	98
31) Cyclohexane	3.88	56	182549	133.64	ug/l	88
32) 1,1,1-Trichloroethane	4.29	97	387092	128.99	ug/l	95
36) 1,1-Dichloropropene	4.48	75	298444	134.44	ug/l	97
37) Ethyl Acetate	4.30	43	124672	130.90	ug/l	82
38) Carbon Tetrachloride	4.19	117	460015	138.94	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	222545	134.40	ug/l	96
40) Benzene	4.83	78	499986	134.61	ug/l	97
41) Methacrylonitrile	4.94	41	64469	129.33	ug/l #	82
42) 1,2-Dichloroethane	5.13	62	377313	121.88	ug/l	96
43) Isopropyl Acetate	7.12	43	158345	157.85	ug/l #	96
44) Trichloroethene	5.69	130	186412	126.23	ug/l	99
45) 1,2-Dichloropropane	6.42	63	141917	139.13	ug/l	93
46) Dibromomethane	6.28	93	131205	126.86	ug/l	90
47) Bromodichloromethane	6.57	83	384603	135.75	ug/l	99
48) Methyl methacrylate	6.89	41	123072	158.96	ug/l	92
49) 1,4-Dioxane	6.88	88	17700	2965.01	ug/l #	74
51) 4-Methyl-2-Pentanone	8.42	43	679551	667.01	ug/l	96
52) Toluene	7.79	92	374169	132.70	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	310761	141.67	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	316027	140.97	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	137234	135.32	ug/l	96
56) Ethyl methacrylate	8.78	69	166079	140.98	ug/l	96
57) 1,3-Dichloropropane	9.02	76	237189	134.72	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.80	63	86213	642.67	ug/l	100
59) 2-Hexanone	9.65	43	501903	693.25	ug/l	95
60) Dibromochloromethane	8.88	129	259628	135.80	ug/l	94
61) 1,2-Dibromoethane	9.15	107	172389	139.55	ug/l	98
64) Tetrachloroethene	8.33	164	201545	127.59	ug/l	98
65) Chlorobenzene	9.96	112	517002	136.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	243508	130.16	ug/l	94
67) Ethyl Benzene	10.06	91	915987	139.75	ug/l	97
68) m/p-Xylenes	10.29	106	594257	262.15	ug/l	99
69) o-Xylene	10.85	106	341033	143.38	ug/l	97
70) Styrene	10.92	104	493399	137.43	ug/l	98
71) Bromoform	10.91	173	155914	135.11	ug/l	99
73) Isopropylbenzene	11.24	105	1072281	147.58	ug/l	99
74) N-amyl acetate	11.48	43	265497	141.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	178271	131.65	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	154580	132.21	ug/l	93
77) Bromobenzene	11.61	156	273260	137.92	ug/l	92
78) n-propylbenzene	11.71	91	1159258	134.86	ug/l	94
79) 2-Chlorotoluene	11.83	91	758178	140.12	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	941750	139.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	70005m	150.67	ug/l	
82) 4-Chlorotoluene	12.00	91	819849	137.89	ug/l	98
83) tert-Butylbenzene	12.23	119	895168	135.53	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	949214	135.80	ug/l	99
85) sec-Butylbenzene	12.40	105	1161004	132.56	ug/l	100
86) p-Isopropyltoluene	12.55	119	1037753	141.42	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	484272	129.11	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	491472	133.10	ug/l	97
89) n-Butylbenzene	12.93	91	984297	139.05	ug/l	98
90) Hexachloroethane	13.01	117	264606	132.26	ug/l	90
91) 1,2-Dichlorobenzene	13.04	146	473572	131.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.73	75	51307	150.13	ug/l	95

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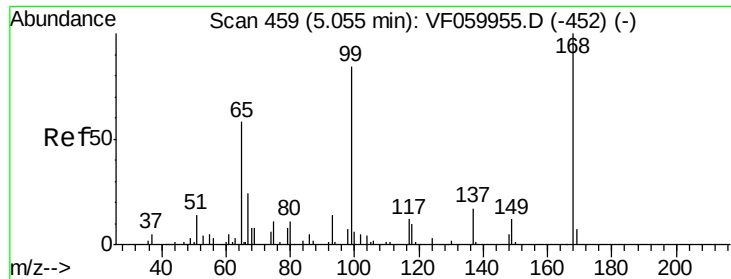
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	384465	138.92	ug/l	96
94) Hexachlorobutadiene	14.27	225	269102	137.39	ug/l	97
95) Naphthalene	14.54	128	739041	156.08	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	387612	143.20	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059958.D

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 134588

Ion Ratio Lower Upper

168 100

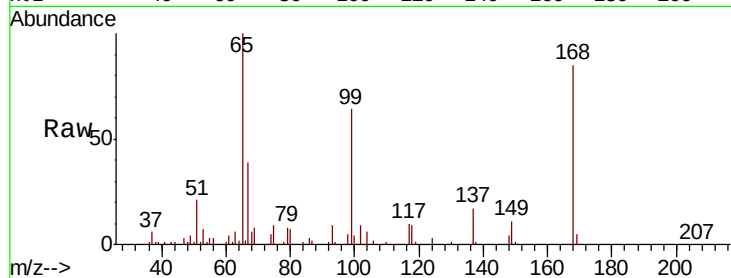
99 74.9 67.4 101.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

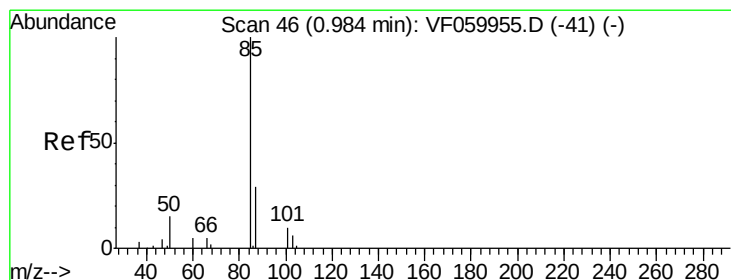
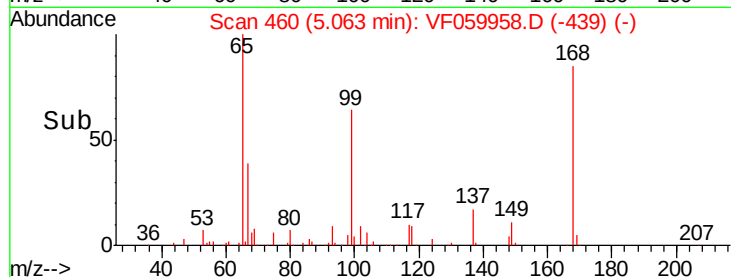
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 121.64 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059958.D

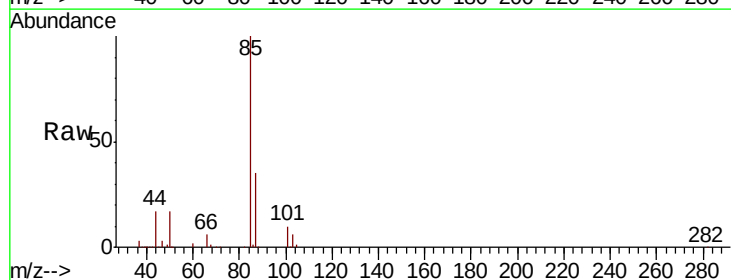
Acq: 14 Aug 2018 21:28

Tgt Ion: 85 Resp: 273000

Ion Ratio Lower Upper

85 100

87 34.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

80000

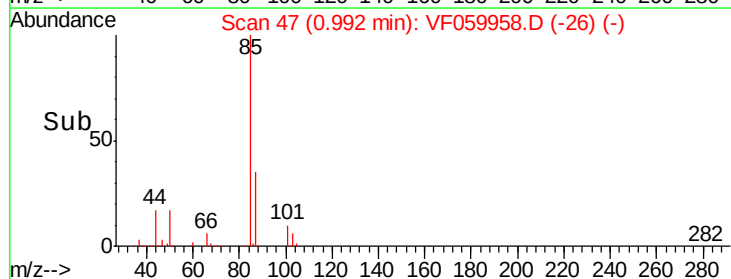
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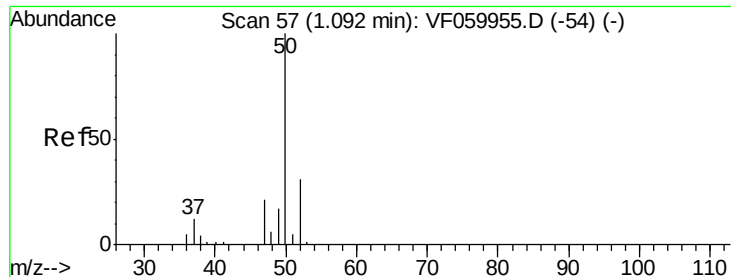
40000

20000

0

Time-->





#3

Chloromethane

Concen: 118.93 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 123662

Ion Ratio Lower Upper

50 100

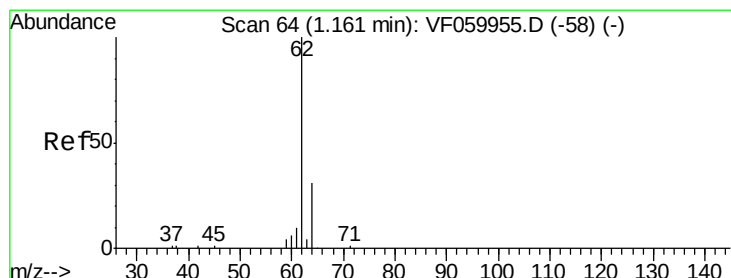
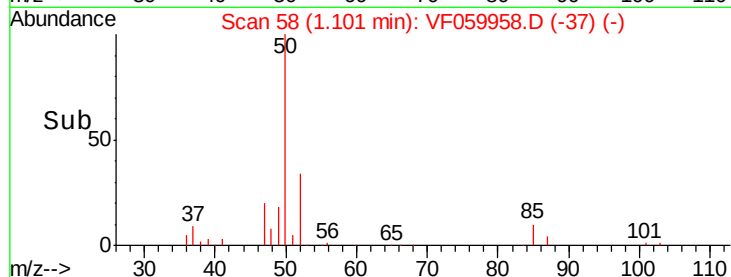
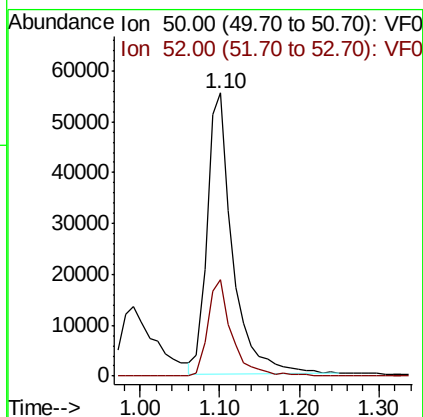
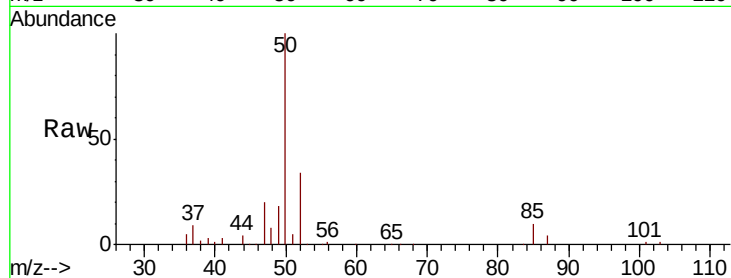
52 34.3 24.2 36.2

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#4

Vinyl Chloride

Concen: 139.32 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059958.D

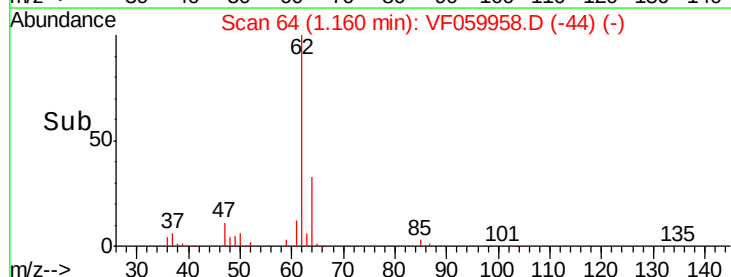
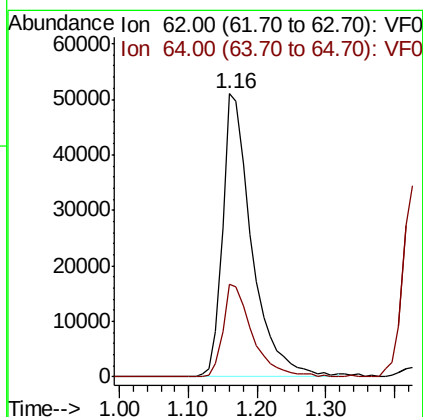
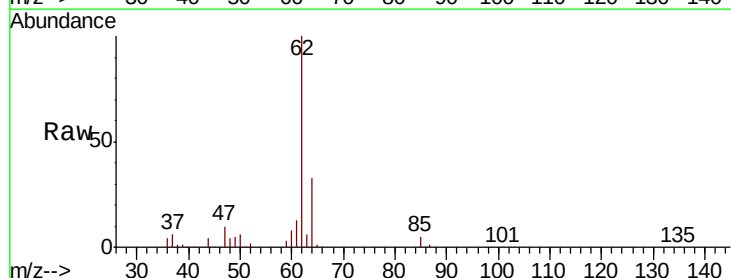
Acq: 14 Aug 2018 21:28

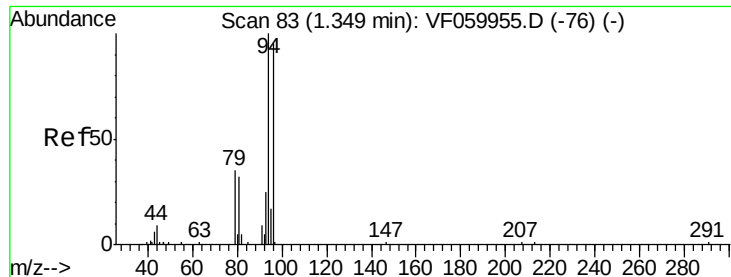
Tgt Ion: 62 Resp: 150325

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1





#5

Bromomethane

Concen: 117.08 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 118379

Ion Ratio Lower Upper

94 100

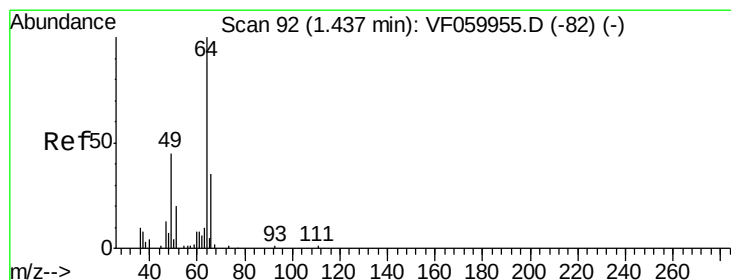
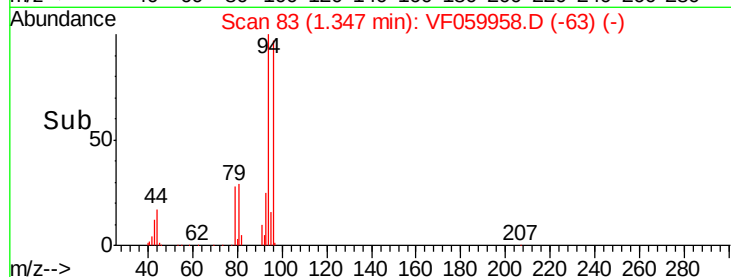
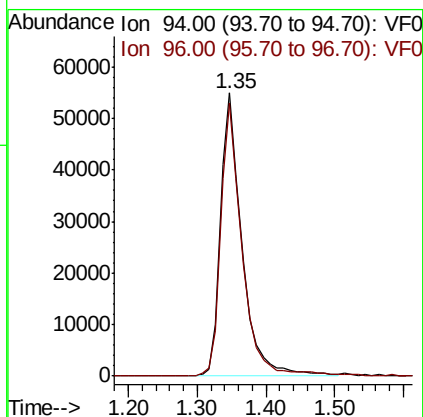
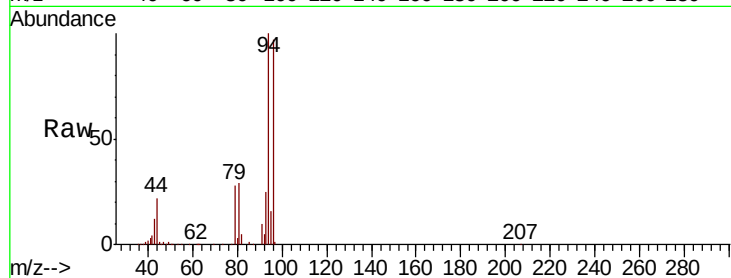
96 96.5 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 135.58 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059958.D

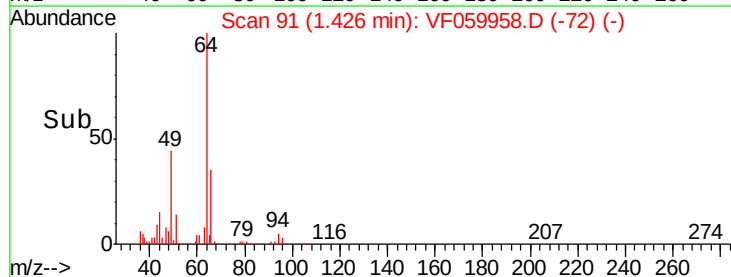
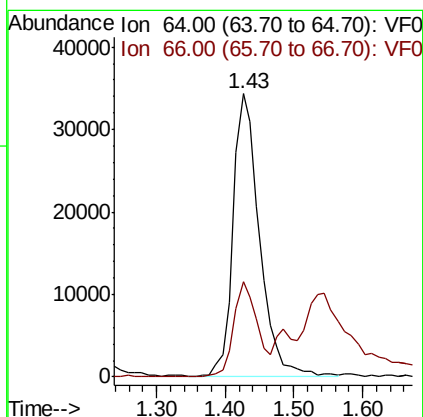
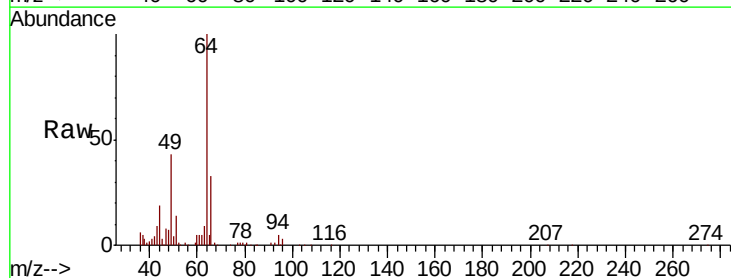
Acq: 14 Aug 2018 21:28

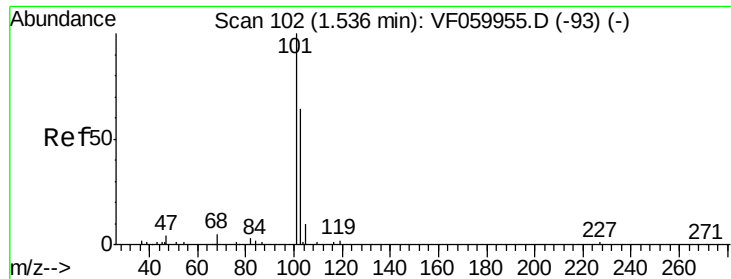
Tgt Ion: 64 Resp: 91666

Ion Ratio Lower Upper

64 100

66 33.5 28.2 42.2





#7

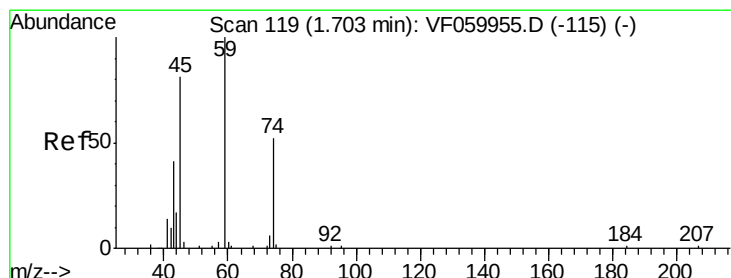
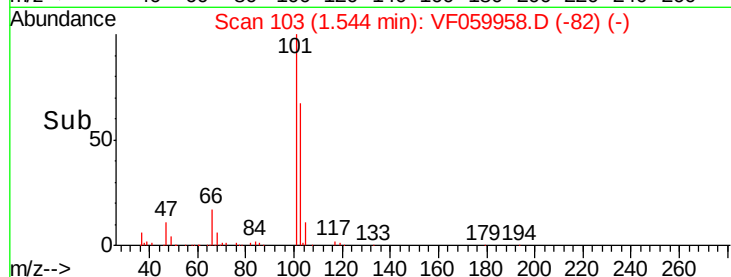
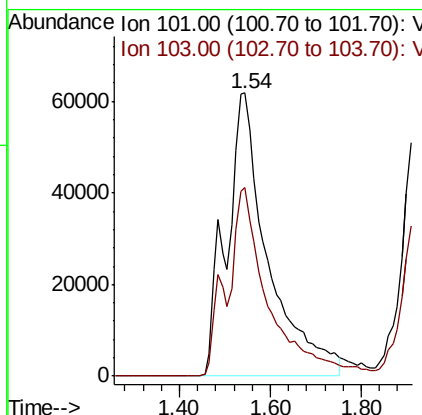
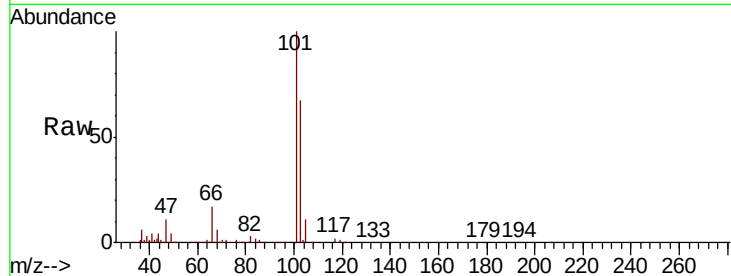
Trichlorofluoromethane
 Concen: 131.25 ug/l m
 RT: 1.54 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.6	77.4

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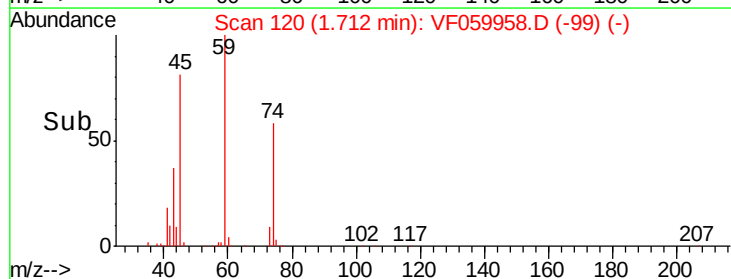
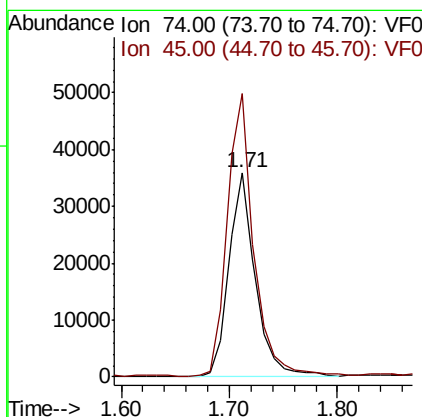
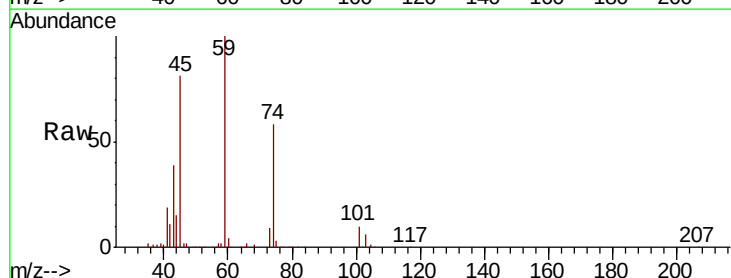
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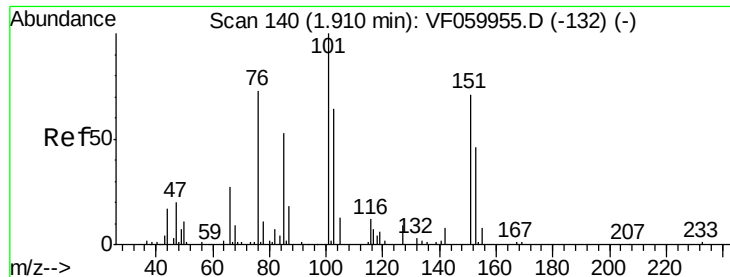


#8

Diethyl Ether
 Concen: 131.51 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.8	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 119.24 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

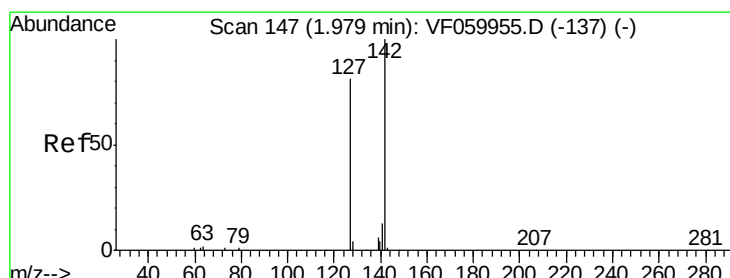
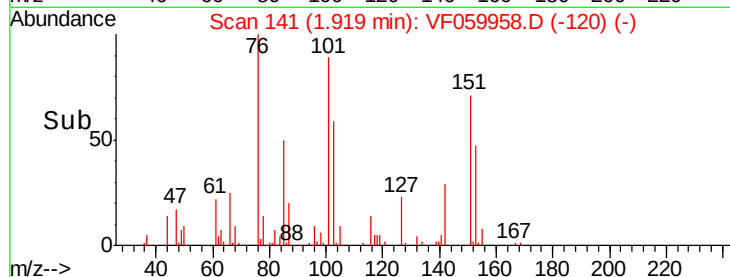
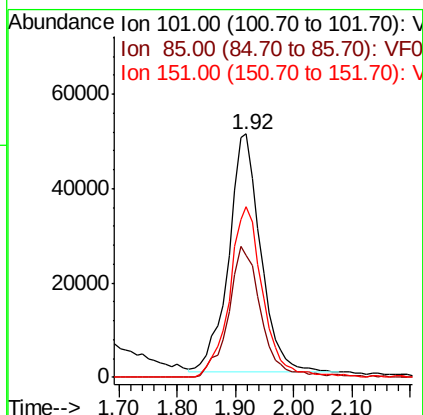
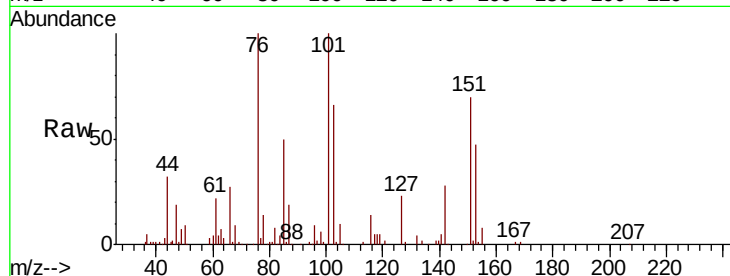
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	193561
Ion Ratio	Lower	Upper	
101	100		
85	49.9	42.1	63.1
151	70.2	55.4	83.0

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#10

Methyl Iodide

Concen: 130.89 ug/l

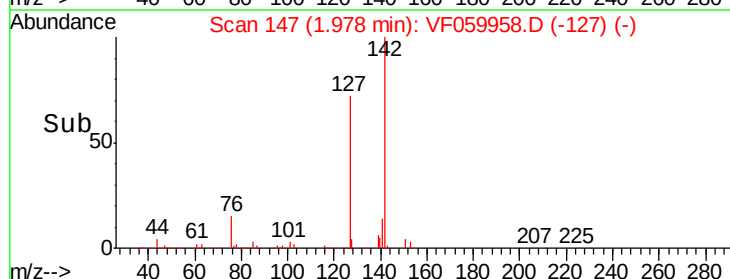
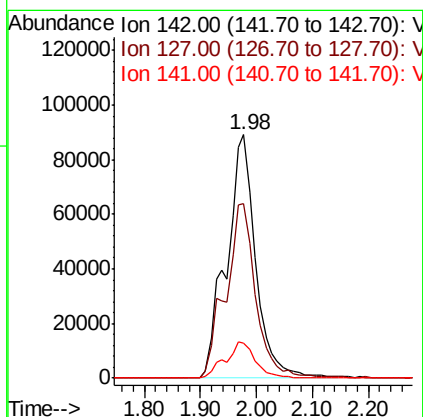
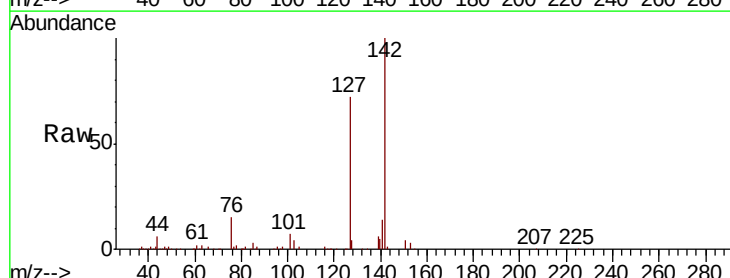
RT: 1.98 min Scan# 147

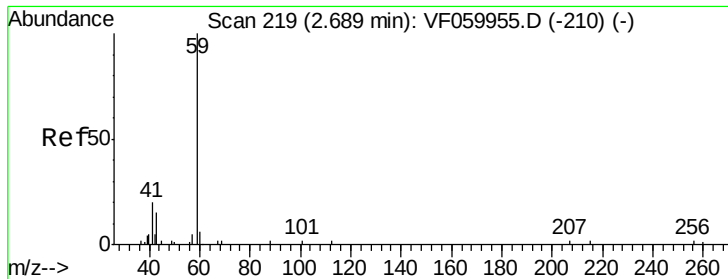
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	142	Resp:	325126
Ion Ratio	Lower	Upper	
142	100		
127	71.9	64.5	96.7
141	14.2	10.8	16.2





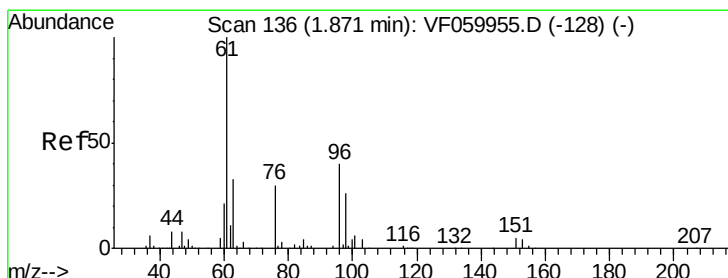
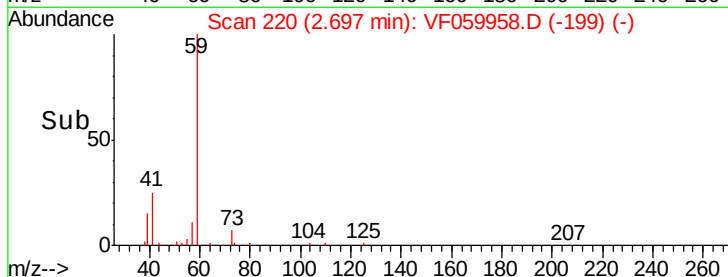
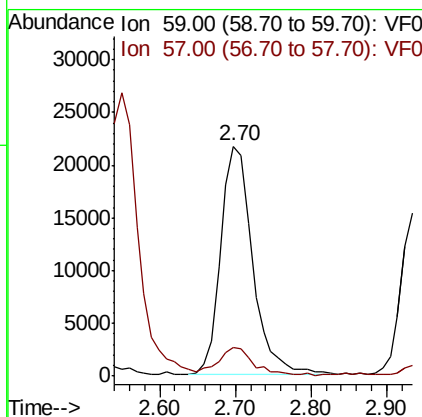
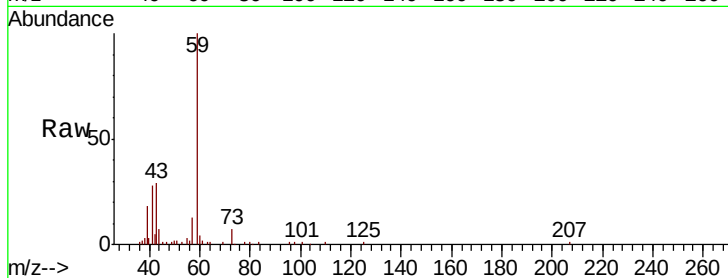
#11
Tert butyl alcohol
Concen: 637.36 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	63245
Ion Ratio	100	Lower	Upper
59	100		
57	12.5	12.0	18.0

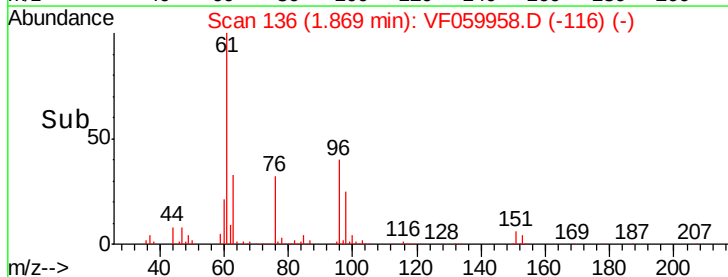
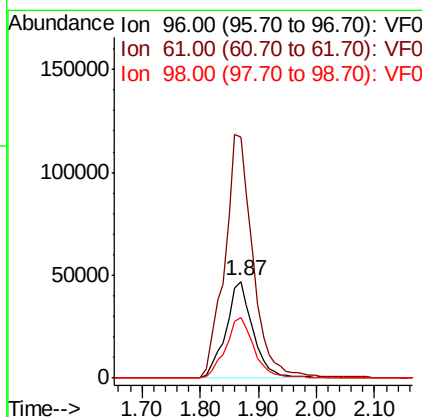
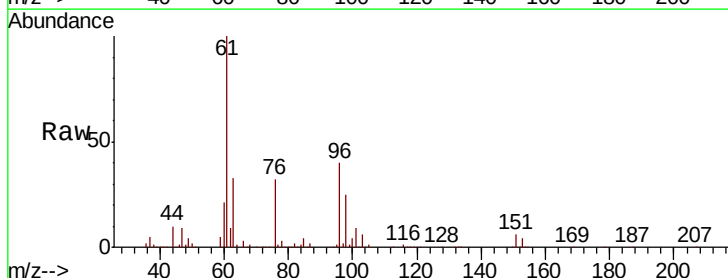
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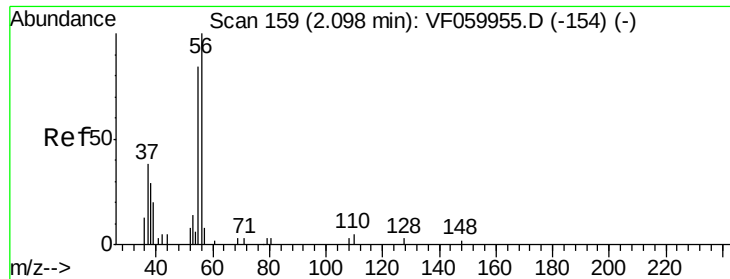
apatel
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#12
1,1-Dichloroethene
Concen: 128.63 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	96	Resp	152961
Ion Ratio	100	Lower	Upper
96	100		
61	249.7	201.0	301.4
98	63.0	51.9	77.9





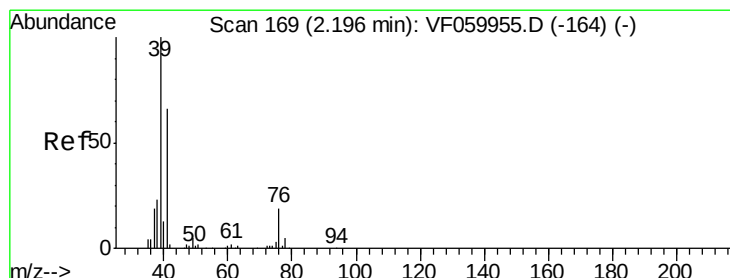
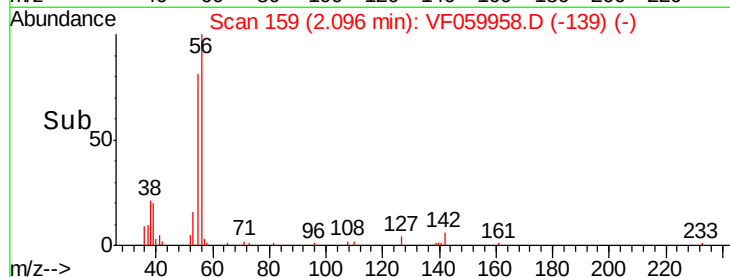
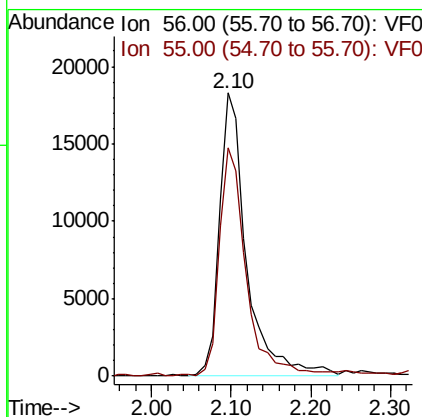
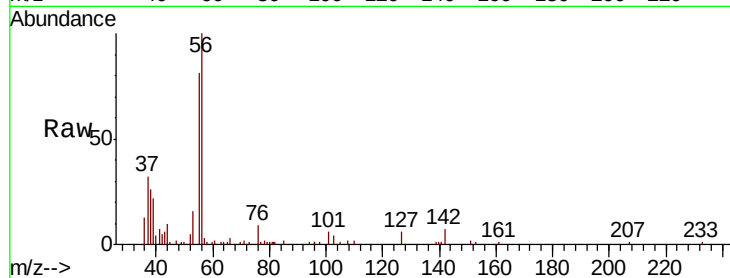
#13
 Acrolein
 Concen: 746.21 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	56	Resp	44004
Ion Ratio	100	Lower	Upper
55	80.9	67.4	101.2

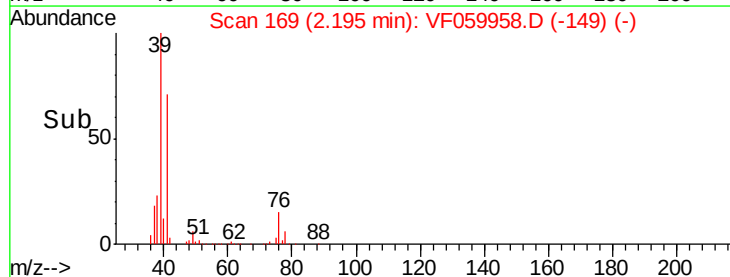
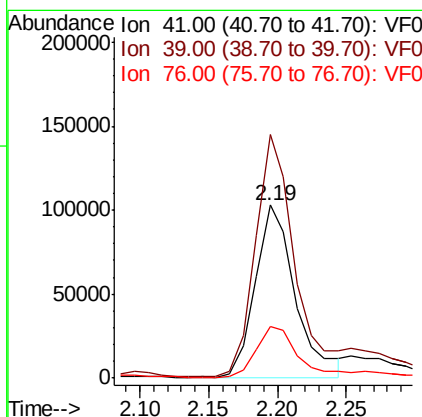
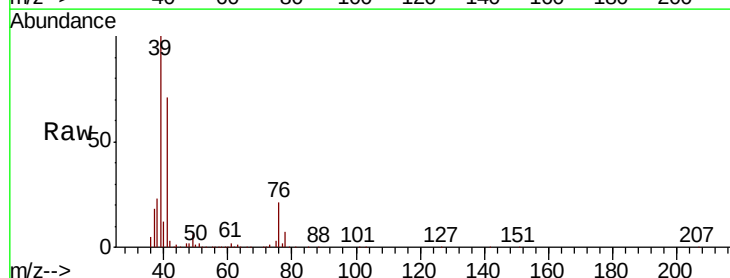
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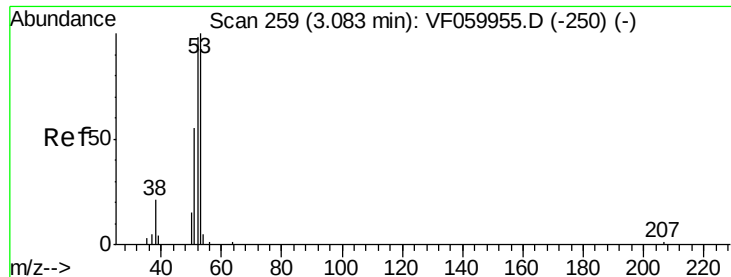
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#14
 Allyl chloride
 Concen: 108.70 ug/l
 RT: 2.19 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	41	Resp	207475
Ion Ratio	100	Lower	Upper
39	140.8	121.0	181.4
76	29.8	23.6	35.4





#15

Acrylonitrile

Concen: 621.27 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

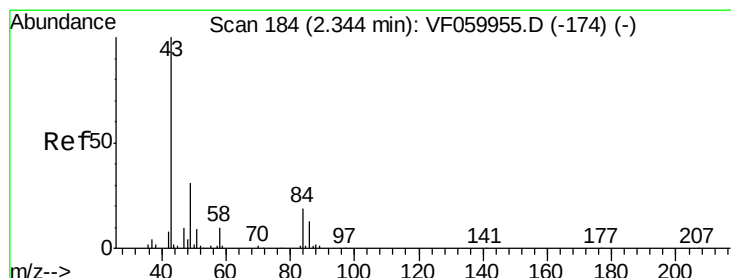
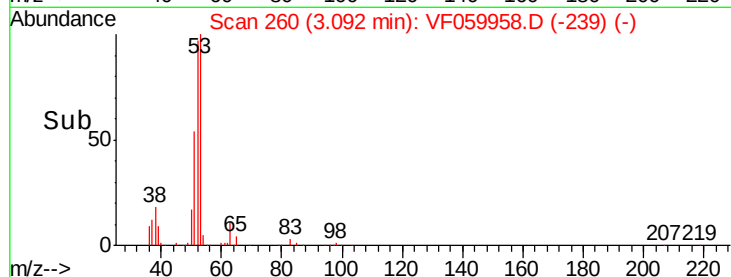
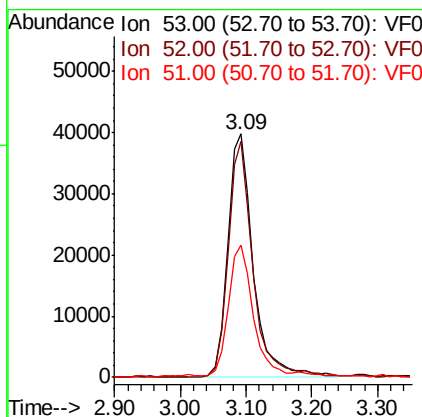
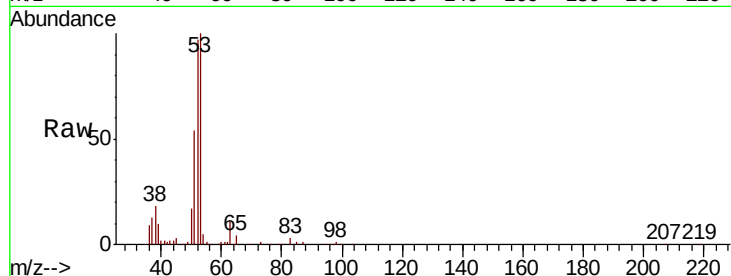
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	107681
Ion Ratio	Lower	Upper	
53	100		
52	97.0	78.1	117.1
51	54.4	44.2	66.4

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#16

Acetone

Concen: 657.14 ug/l

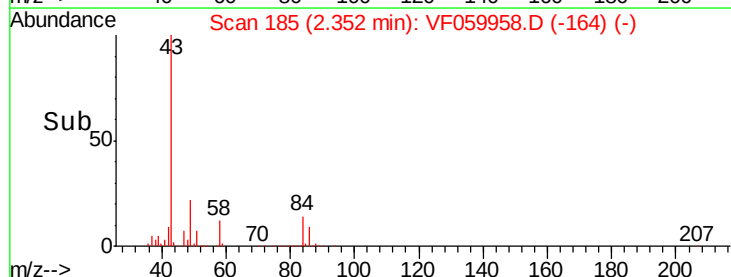
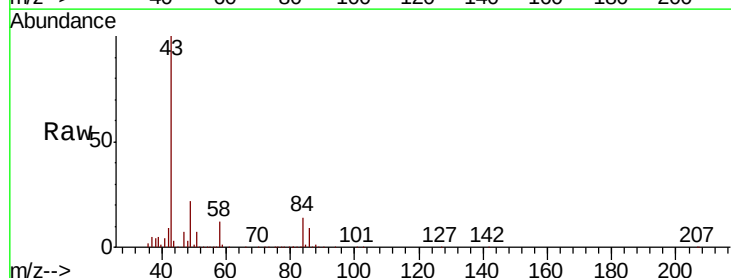
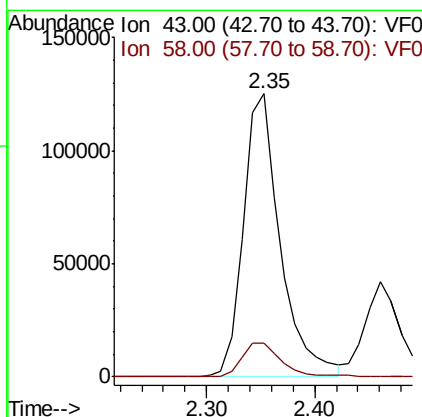
RT: 2.35 min Scan# 185

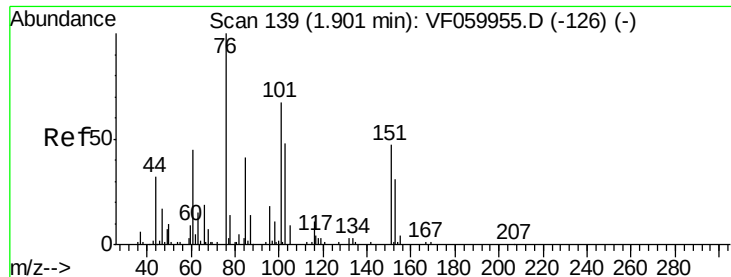
Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	43	Resp:	295716
Ion Ratio	Lower	Upper	
43	100		
58	11.8	8.1	12.1





#17

Carbon Disulfide

Concen: 125.46 ug/l m

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 392282

Ion Ratio Lower Upper

76 100

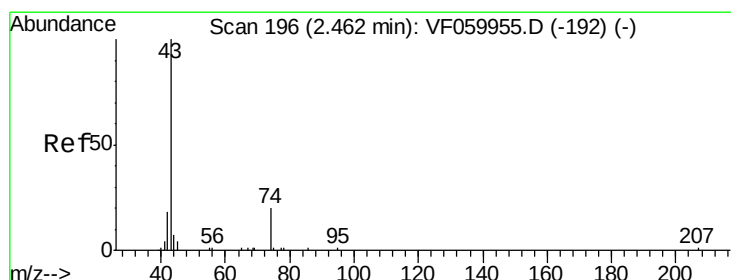
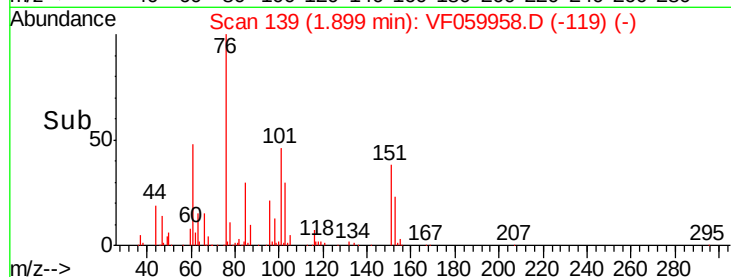
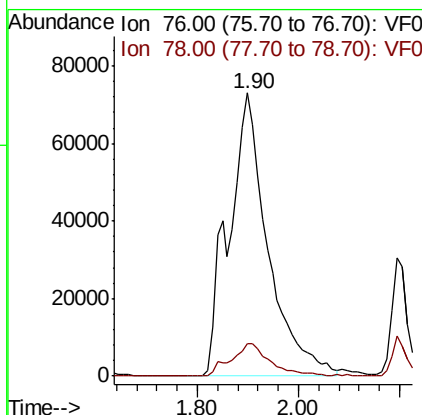
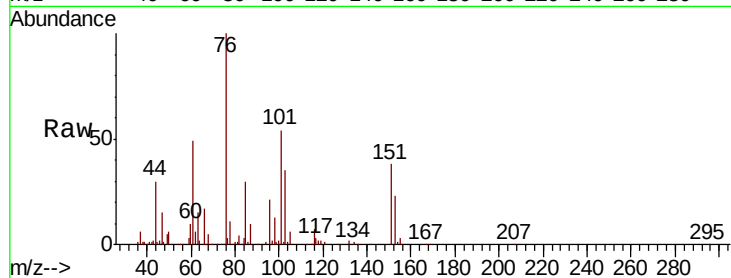
78 11.5 11.4 17.0

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#18

Methyl Acetate

Concen: 118.21 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059958.D

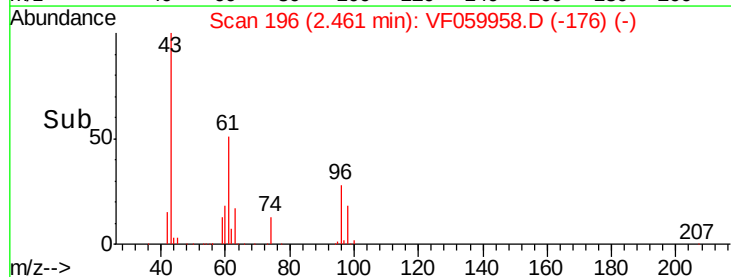
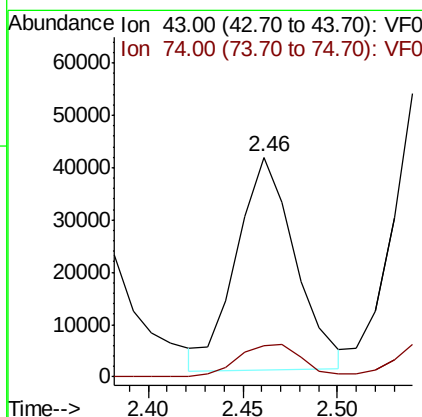
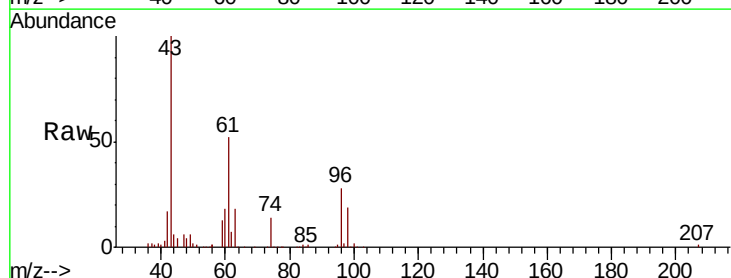
Acq: 14 Aug 2018 21:28

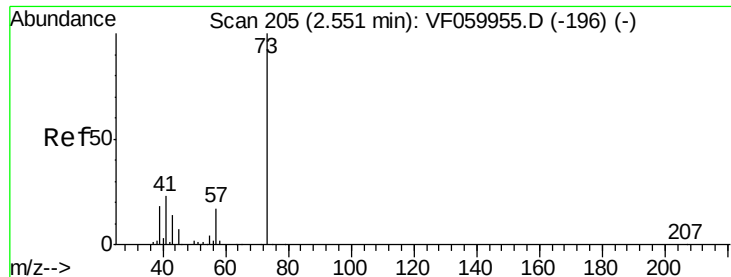
Tgt Ion: 43 Resp: 87538

Ion Ratio Lower Upper

43 100

74 14.2 14.3 21.5#





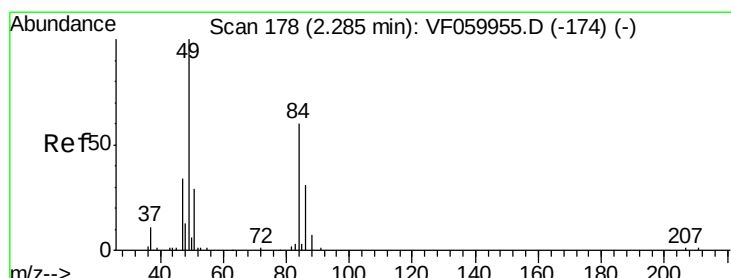
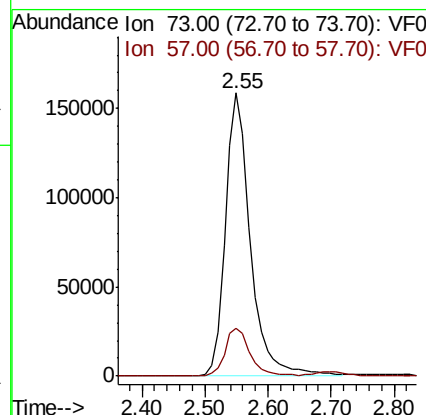
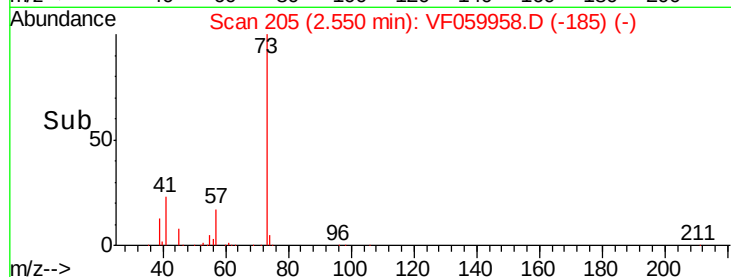
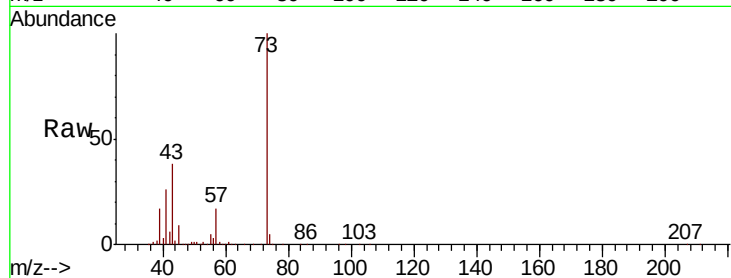
#19
Methyl tert-butyl Ether
Concen: 129.20 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	14.0	21.0

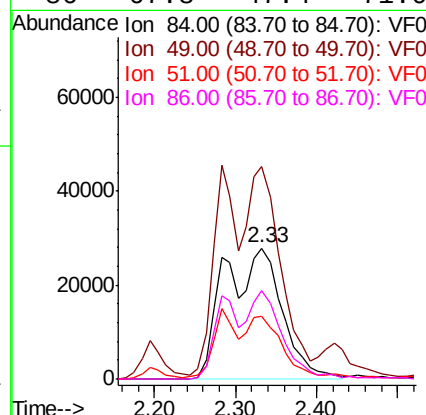
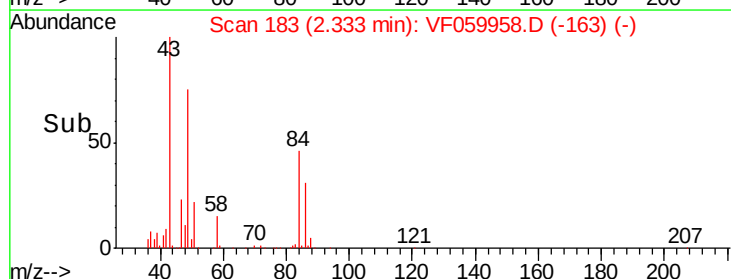
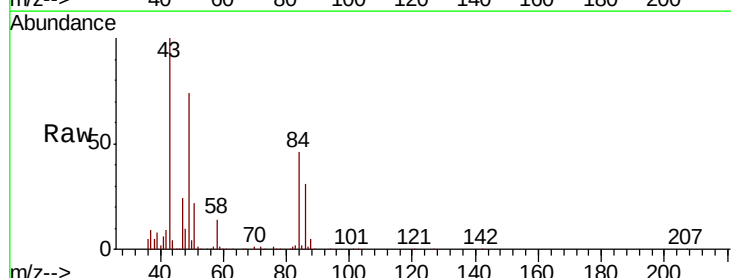
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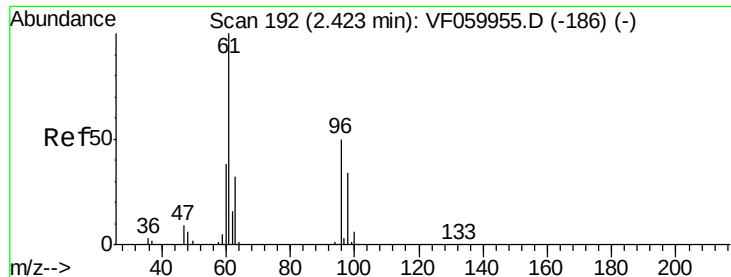
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#20
Methylene Chloride
Concen: 138.05 ug/l m
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.7	138.6	207.8
51	47.4	40.2	60.4
86	67.8	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 123.19 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

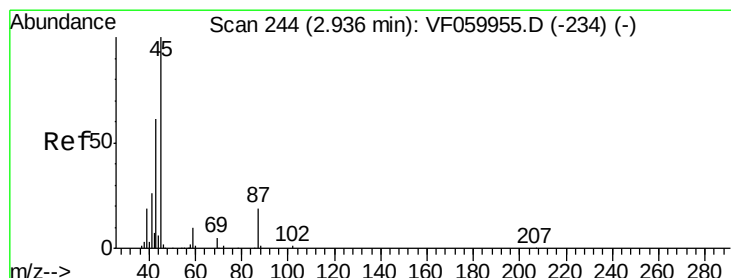
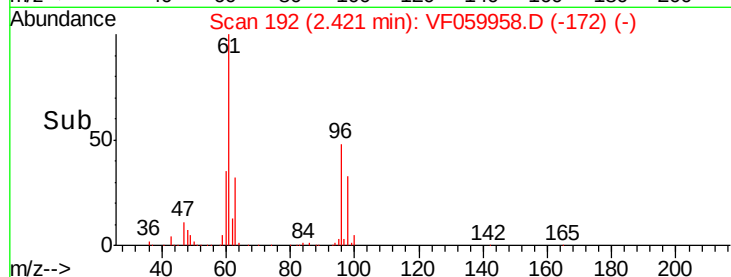
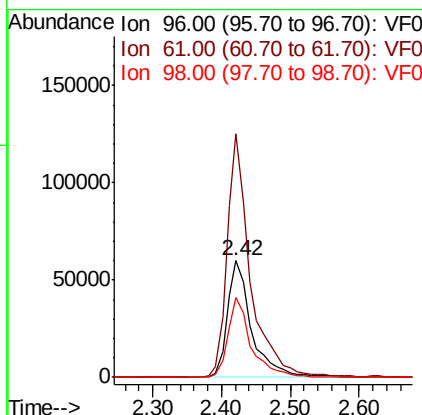
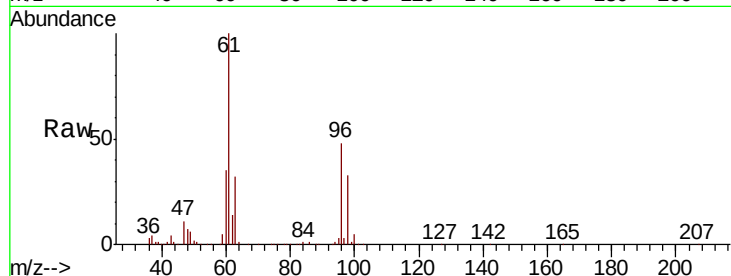
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	144800
Ion	Ratio	Lower	Upper
96	100		
61	208.4	159.5	239.3
98	68.1	53.8	80.6

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#22

Diisopropyl ether

Concen: 136.46 ug/l

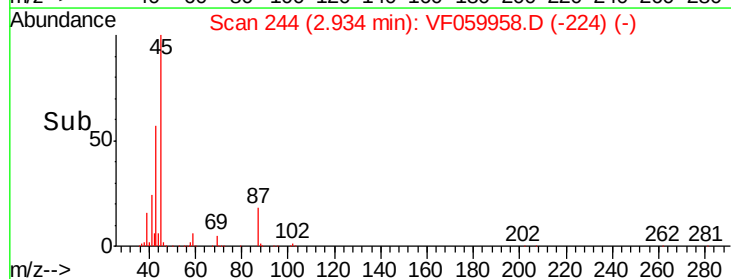
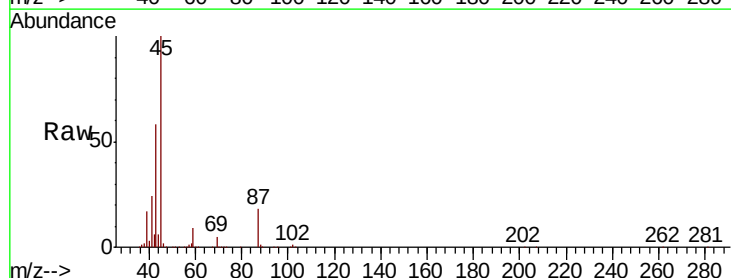
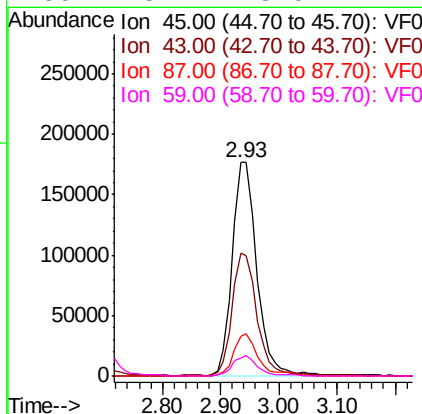
RT: 2.93 min Scan# 244

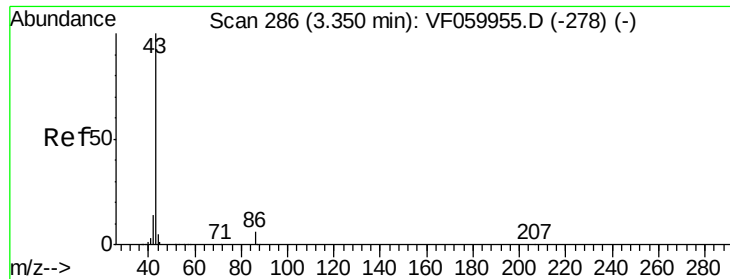
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	45	Resp:	519840
Ion	Ratio	Lower	Upper
45	100		
43	57.6	48.7	73.1
87	18.4	15.3	22.9
59	8.7	8.5	12.7





#23

Vinyl Acetate

Concen: 696.06 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1290813

Ion Ratio Lower Upper

43 100

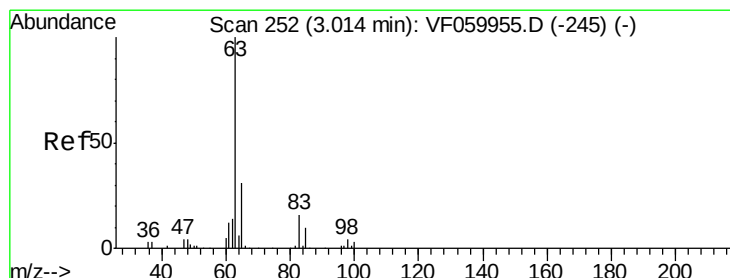
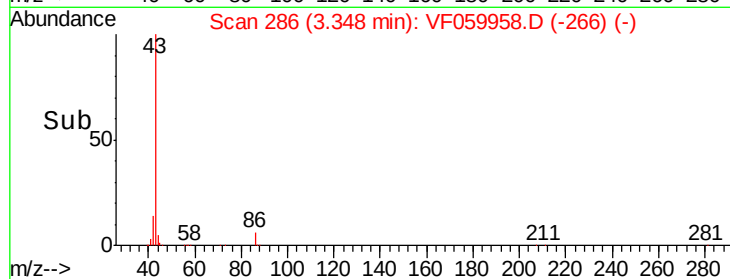
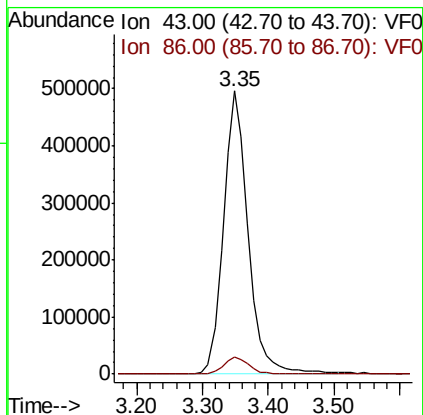
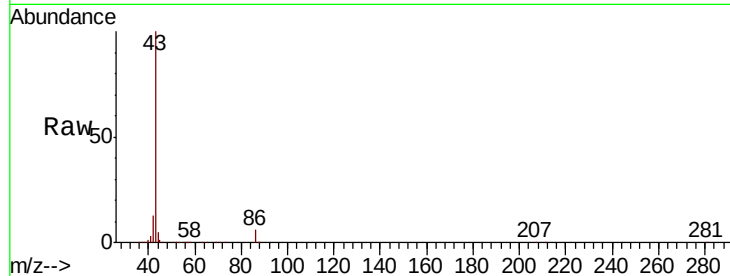
86 6.1 4.9 7.3

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#24

1,1-Dichloroethane

Concen: 125.08 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

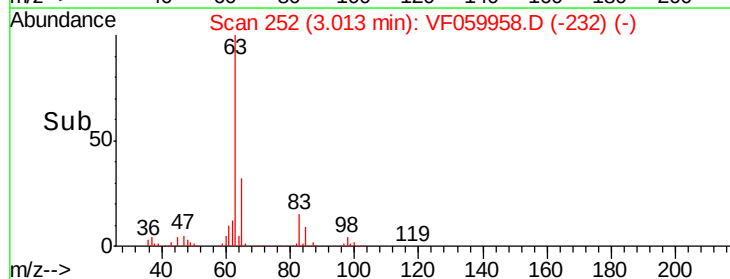
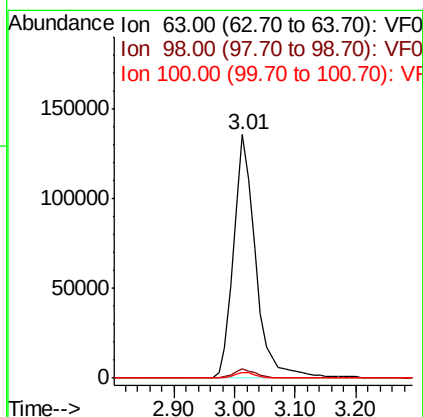
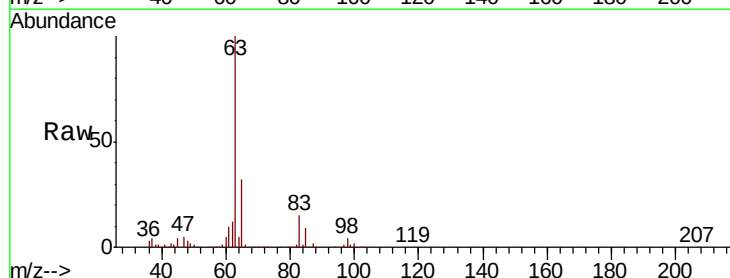
Tgt Ion: 63 Resp: 346091

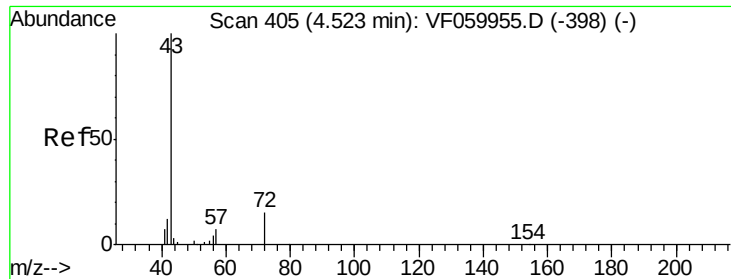
Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

100 2.4 1.7 5.1





#25

2-Butanone

Concen: 694.42 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 335350

Ion Ratio Lower Upper

43 100

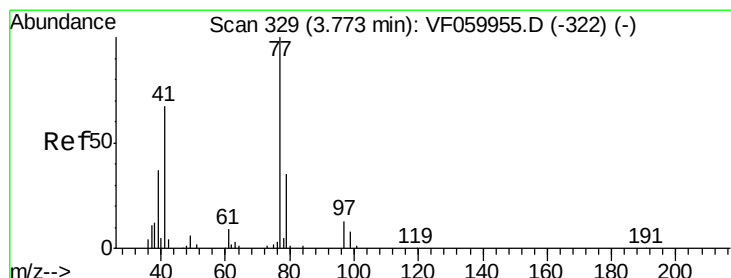
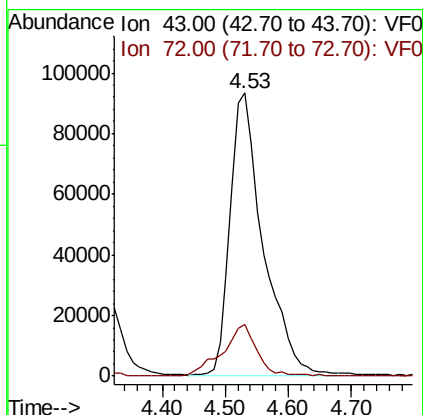
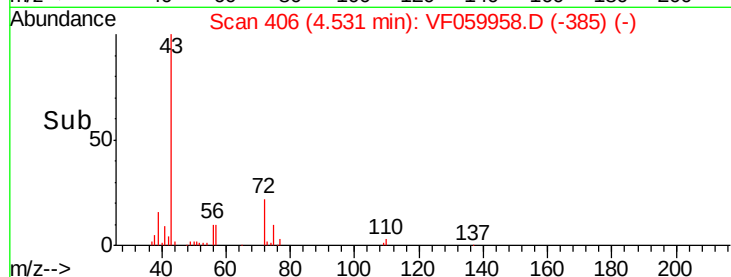
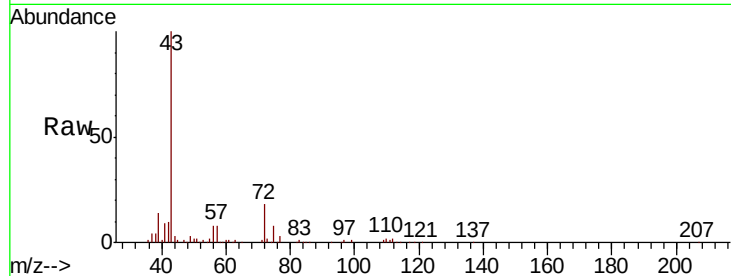
72 18.2 14.6 22.0

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#26

2,2-Dichloropropane

Concen: 126.44 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059958.D

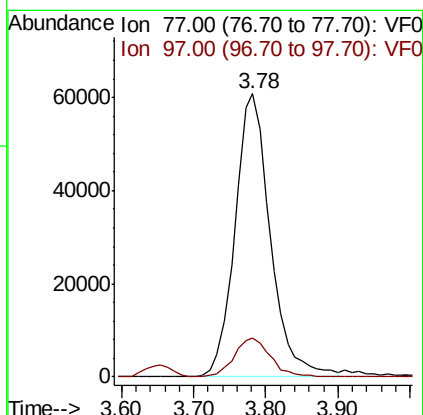
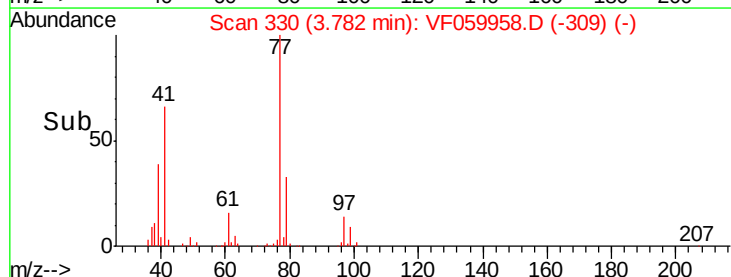
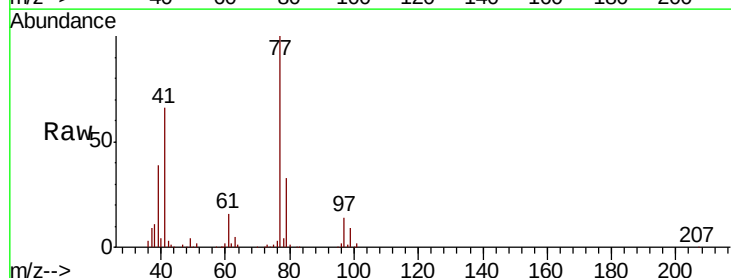
Acq: 14 Aug 2018 21:28

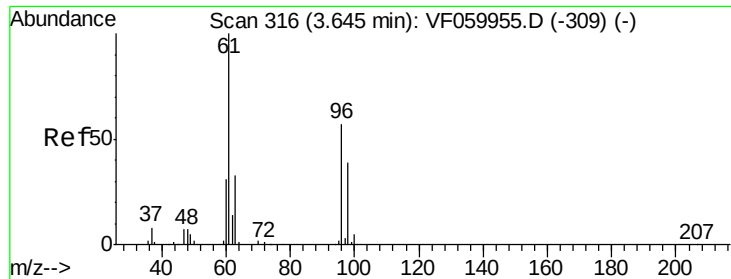
Tgt Ion: 77 Resp: 207801

Ion Ratio Lower Upper

77 100

97 13.8 6.6 19.7





#27

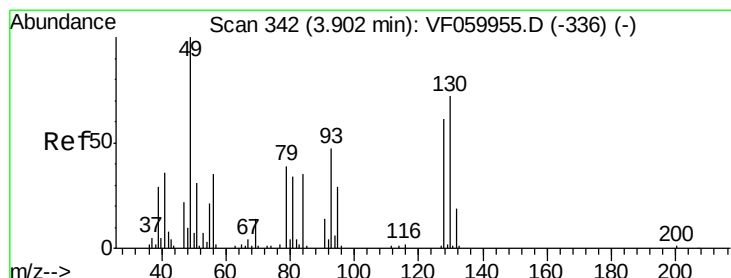
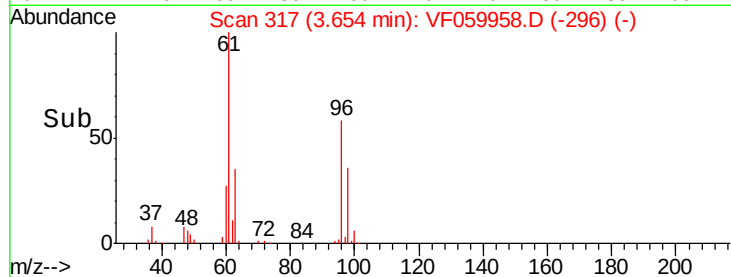
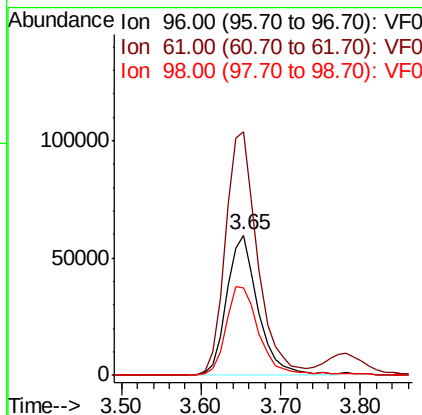
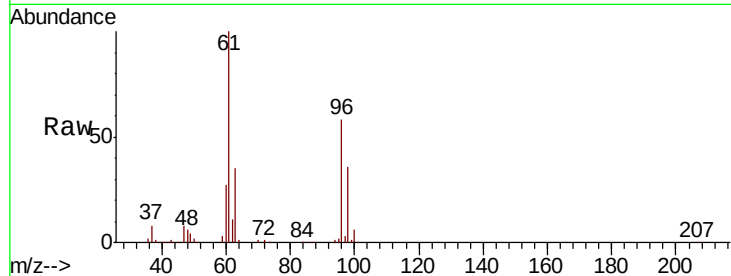
cis-1,2-Dichloroethene
 Concen: 126.27 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	173.7	0.0	349.4		
98	62.5	0.0	134.6		

Manual Integrations
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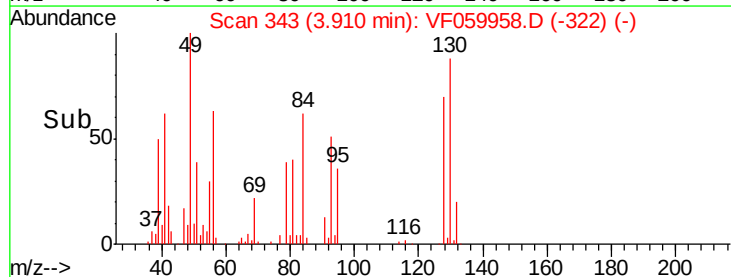
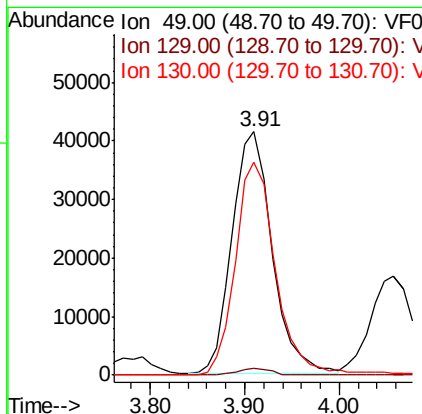
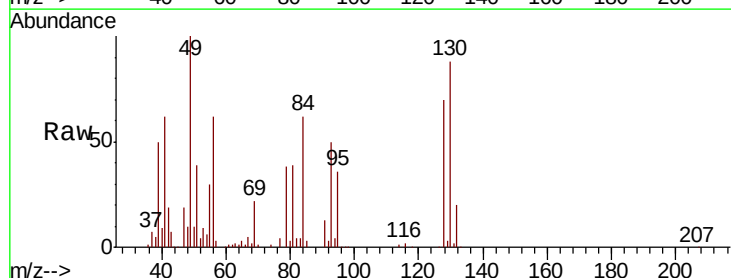
apatel
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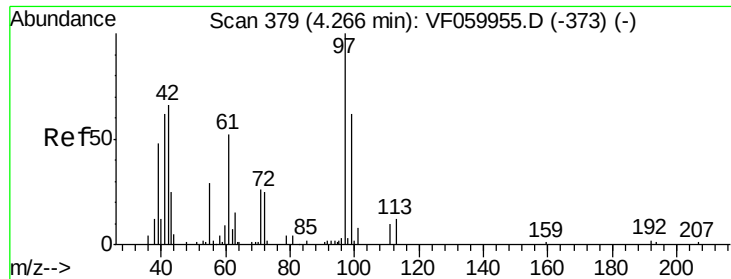


#28

Bromochloromethane
 Concen: 122.13 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.9	0.0	4.2		
130	87.5	58.1	87.1#		





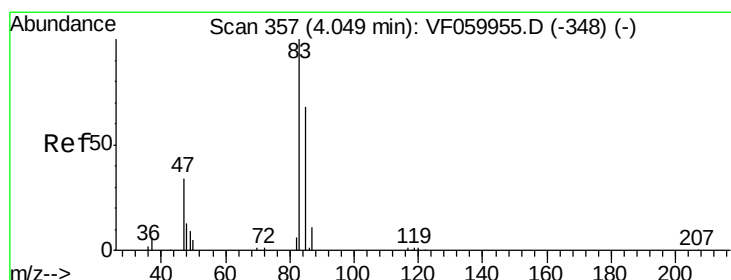
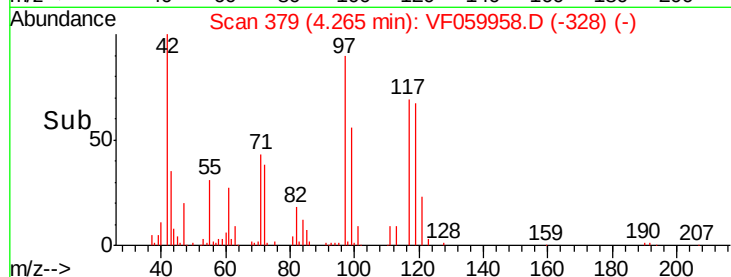
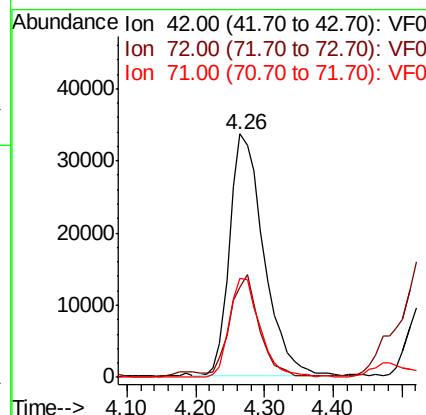
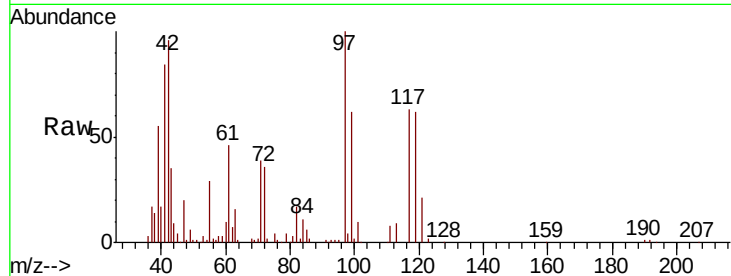
#29
Tetrahydrofuran
Concen: 646.15 ug/l
RT: 4.26 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	35.4	27.7	41.5	
71	37.2	28.2	42.4	

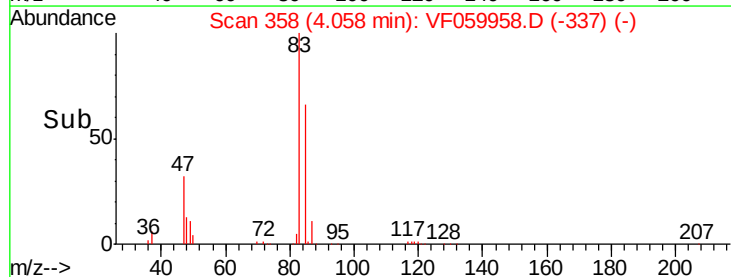
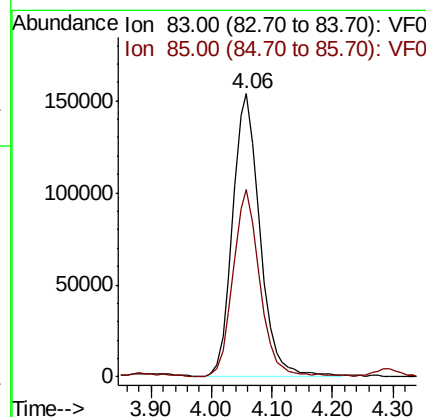
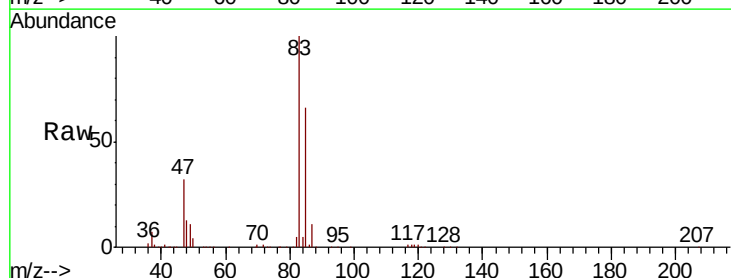
Manual Integrations
APPROVED

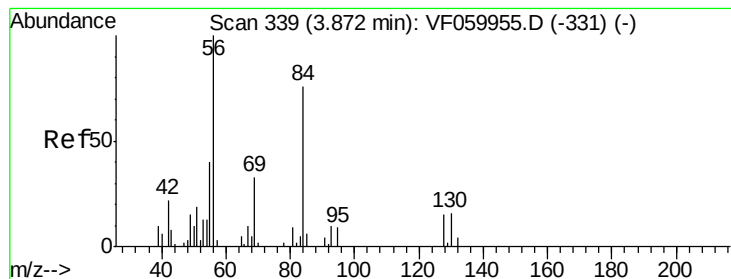
apatel
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#30
Chloroform
Concen: 128.50 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.2	54.4	81.6	





#31

Cyclohexane

Concen: 133.64 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

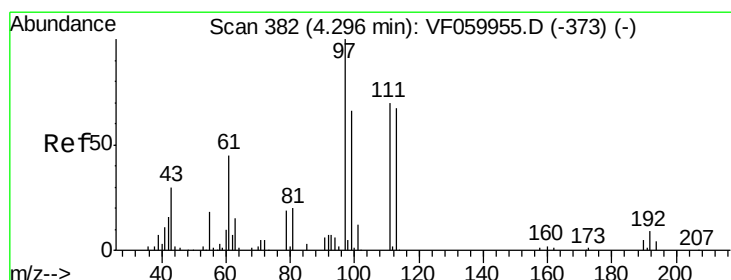
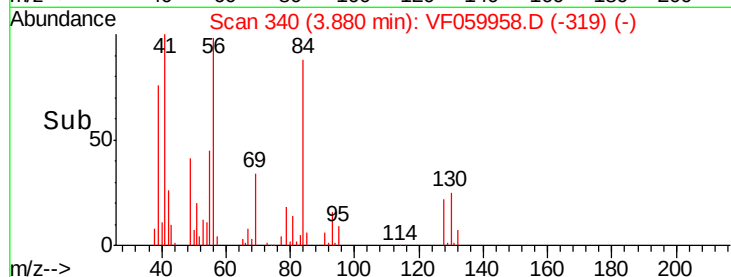
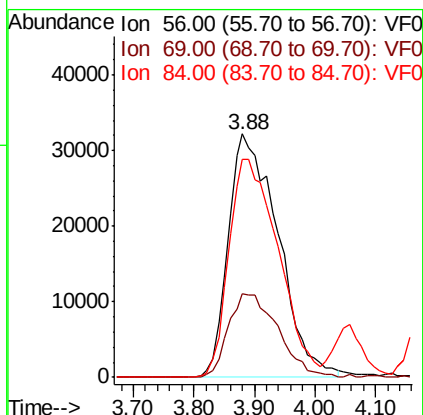
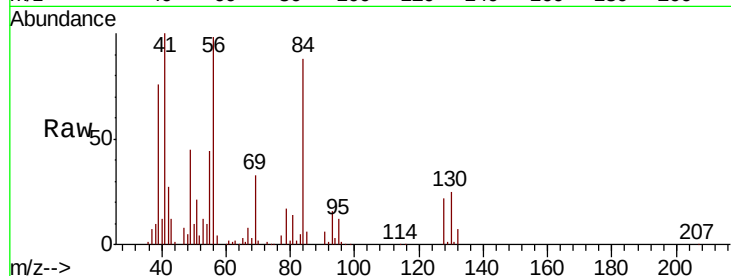
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	182549
Ion Ratio	Lower	Upper	
56	100		
69	34.3	26.2	39.2
84	89.8	61.0	91.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 128.99 ug/l

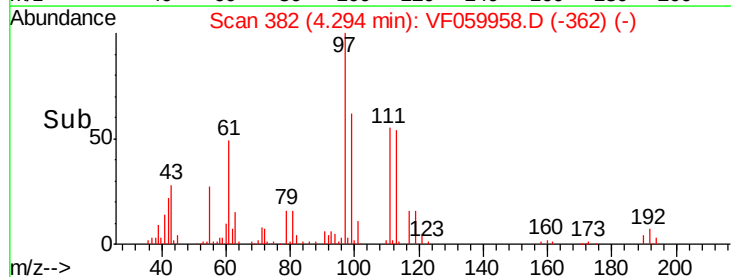
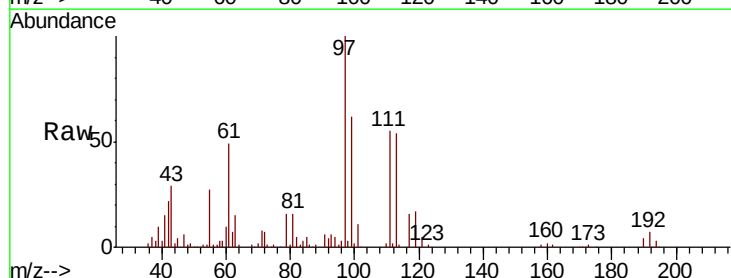
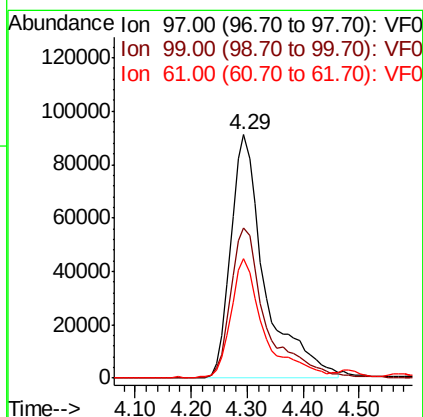
RT: 4.29 min Scan# 382

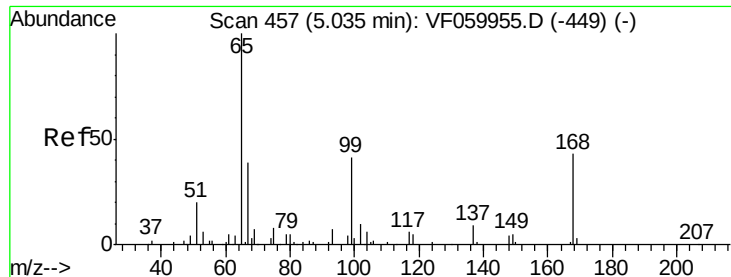
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	97	Resp:	387092
Ion Ratio	Lower	Upper	
97	100		
99	61.9	53.0	79.4
61	49.1	36.6	55.0





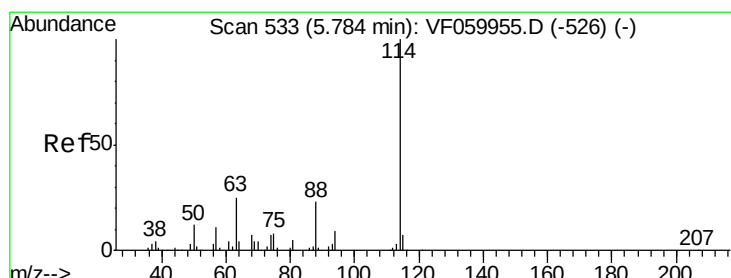
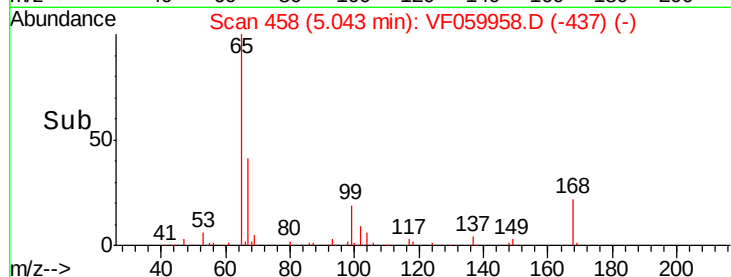
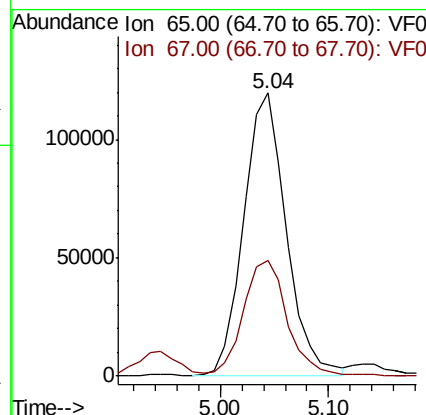
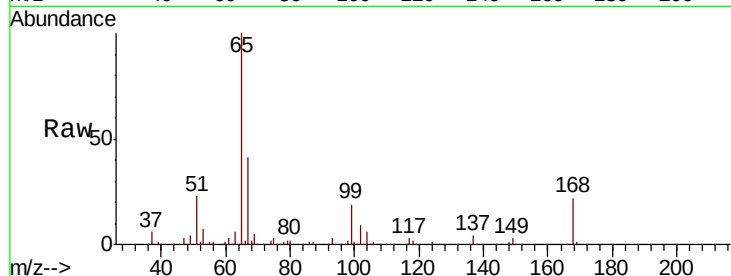
#33
 1,2-Dichloroethane-d4
 Concen: 134.74 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	327544		
67	40.7	0.0	87.4	

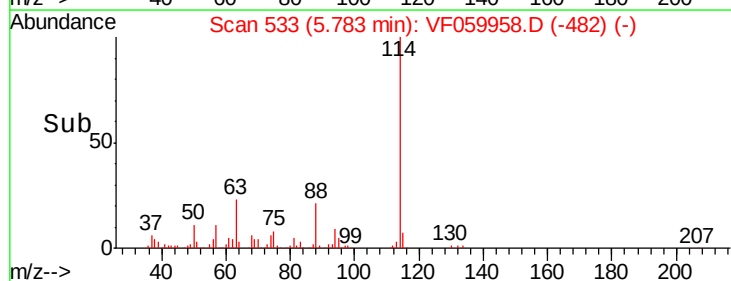
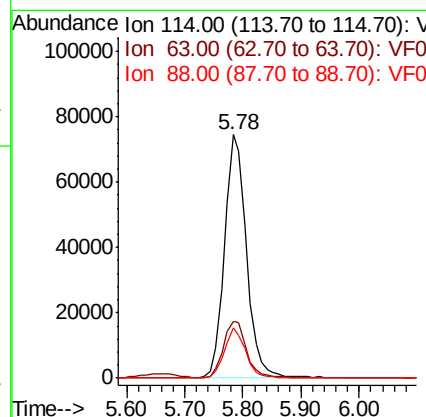
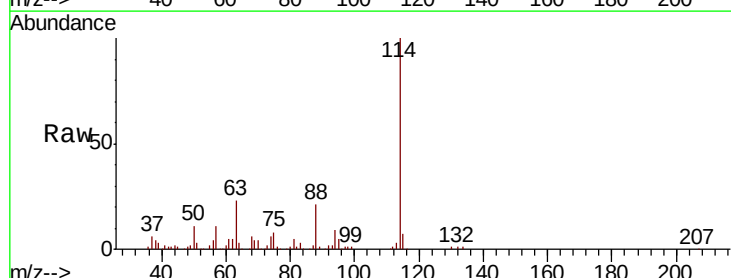
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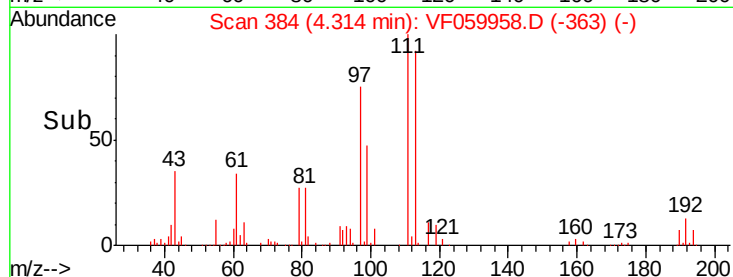
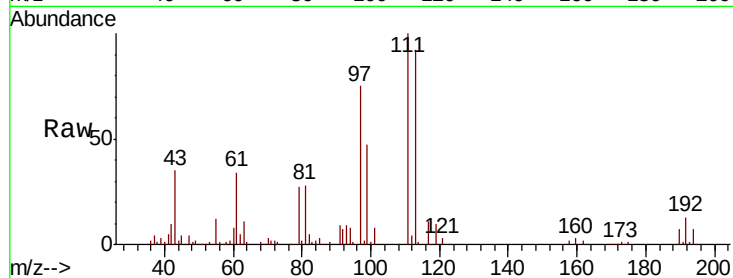
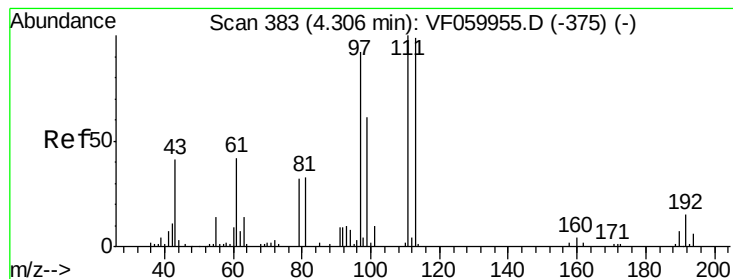
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	195555		
63	23.4	0.0	50.2	
88	20.7	0.0	46.8	





#35

Dibromofluoromethane

Concen: 133.72 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059958.D

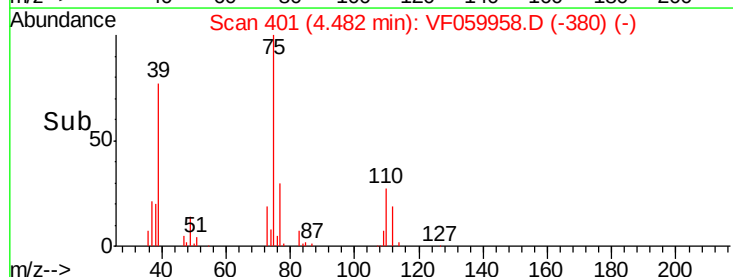
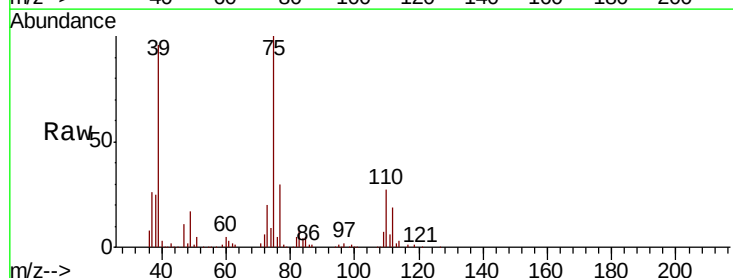
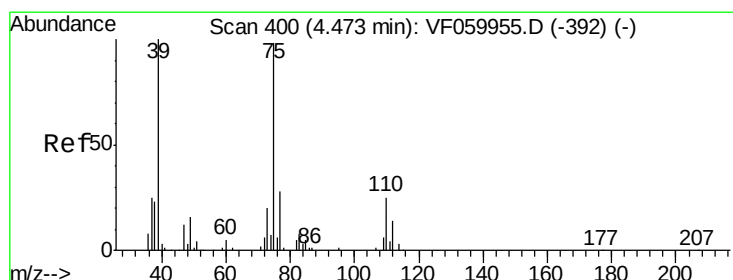
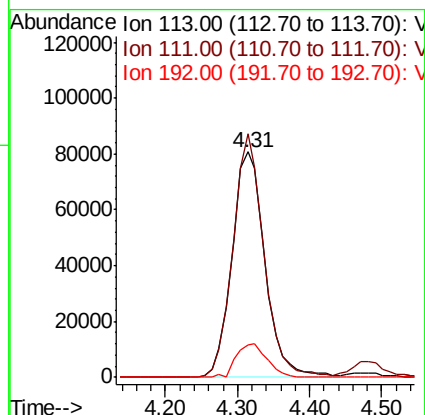
Acq: 14 Aug 2018 21:28

Tot Ion:	113	Resp:	258232
Ion Ratio	Lower	Upper	
113	100		
111	108.1	80.6	121.0
192	14.5	11.7	17.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 134.44 ug/l

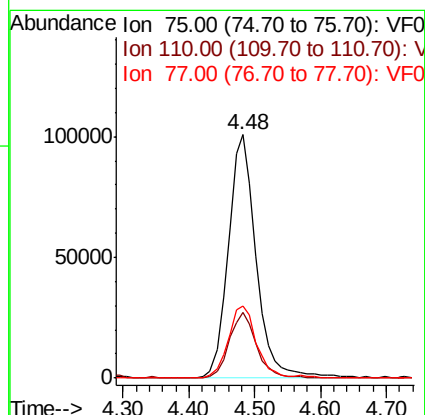
RT: 4.48 min Scan# 401

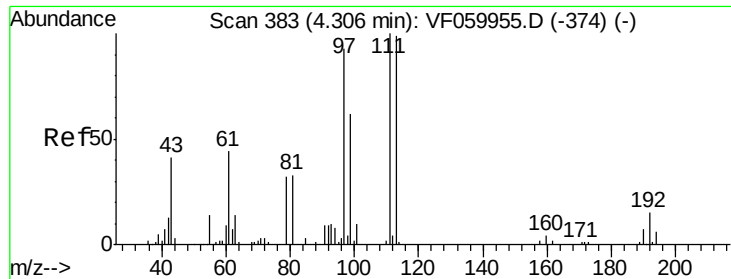
Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	75	Resp:	298444
Ion Ratio	Lower	Upper	
75	100		
110	26.9	12.6	37.8
77	29.7	22.7	34.1





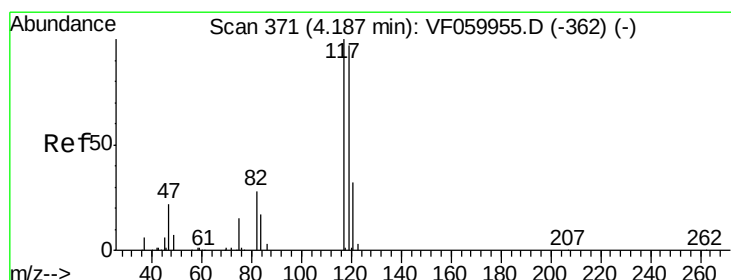
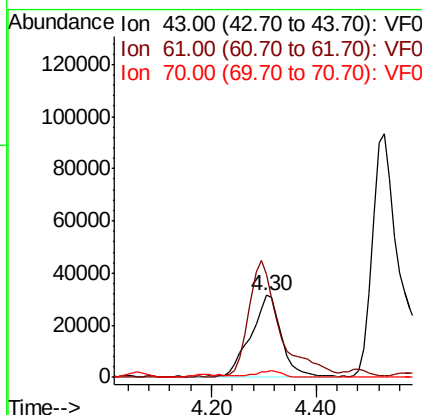
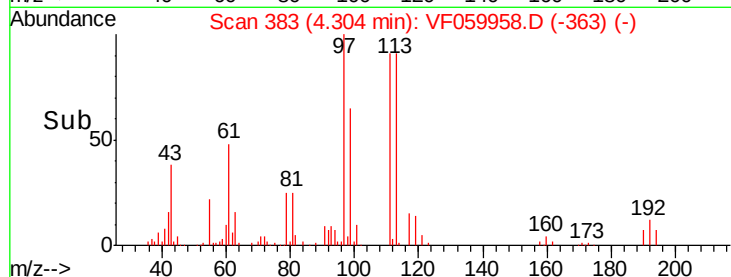
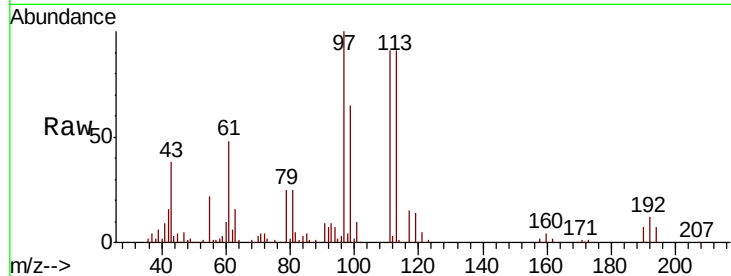
#37
Ethyl Acetate
Concen: 130.90 ug/l
RT: 4.30 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	43	61	70	Ratio	100	125.1	6.8	Resp	124672	Lower	Upper
43	100										
61		125.1				84.3			126.5		
70			6.8			5.5			8.3		

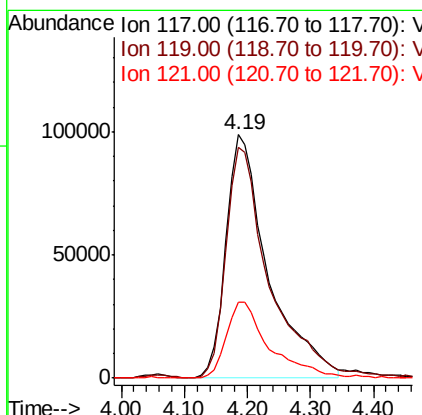
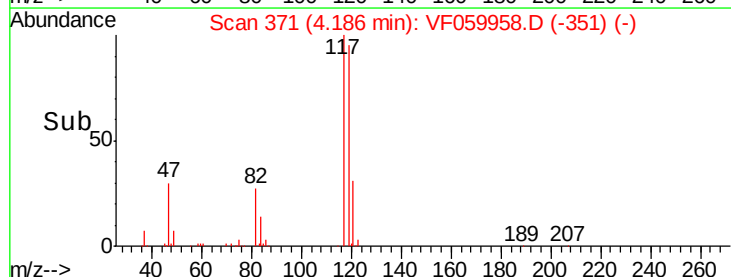
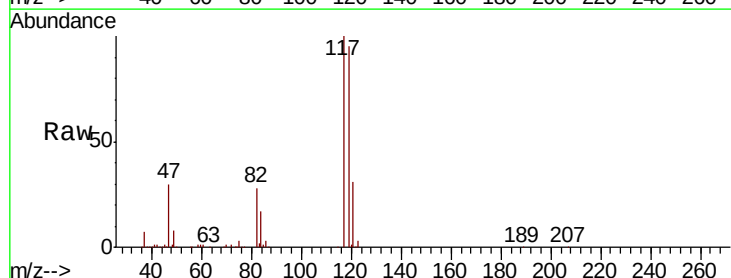
Manual Integrations
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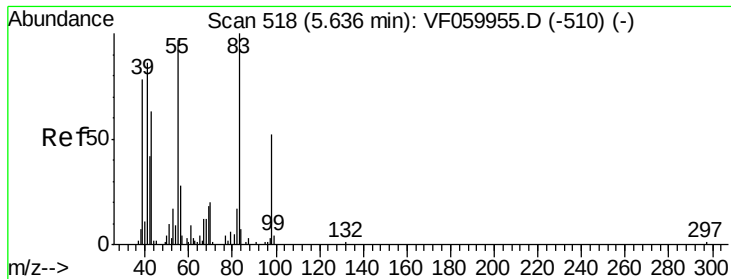
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#38
Carbon Tetrachloride
Concen: 138.94 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	117	119	121	Ratio	100	94.9	31.3	Resp	460015	Lower	Upper
117	100										
119		94.9				76.9			115.3		
121			31.3			24.9			37.3		





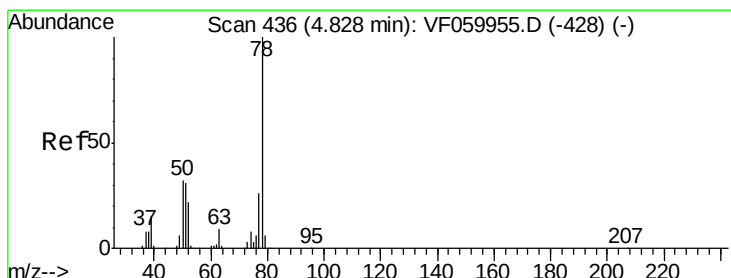
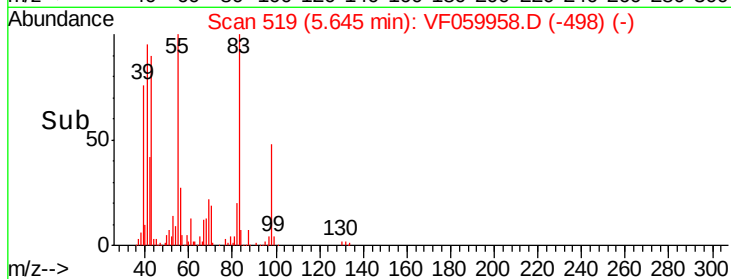
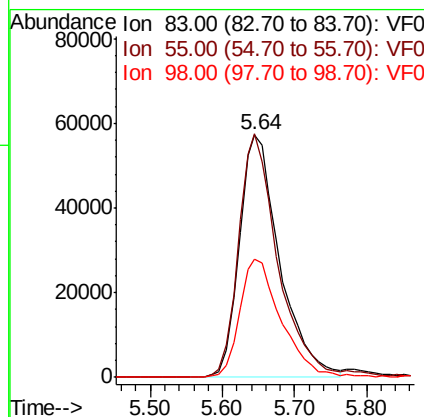
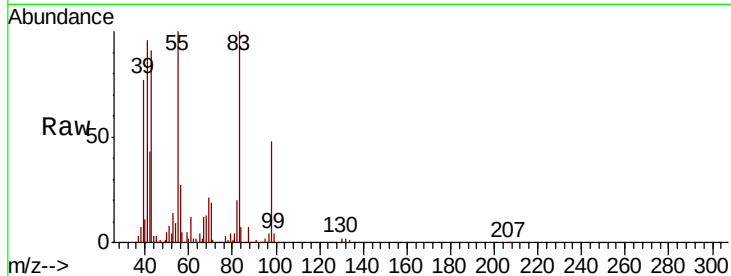
#39
Methylvlcyclohexane
Concen: 134.40 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	222545		
55	100.3		77.4	116.2
98	48.5		41.5	62.3

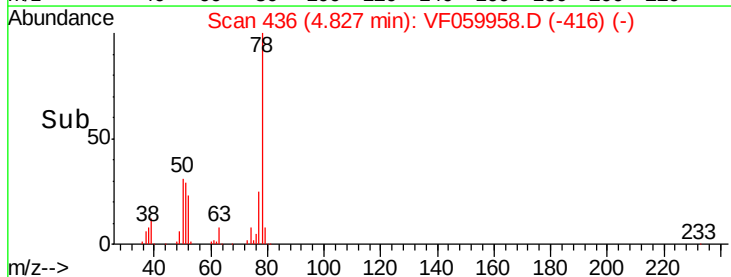
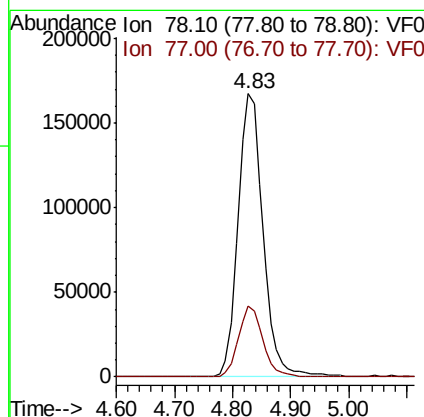
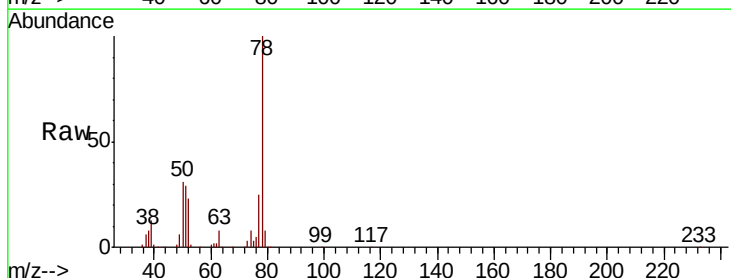
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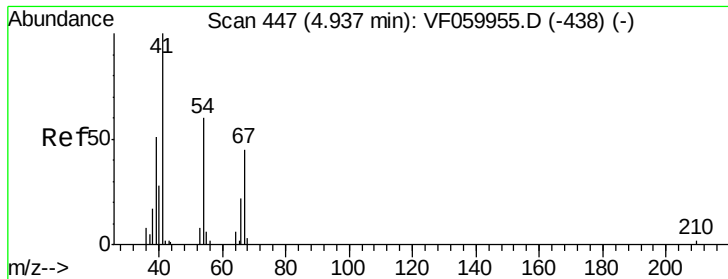
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#40
Benzene
Concen: 134.61 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	499986		
77	24.8		21.1	31.7





#41

Methacrylonitrile

Concen: 129.33 ug/l

RT: 4.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 64469

Ion Ratio Lower Upper

41 100

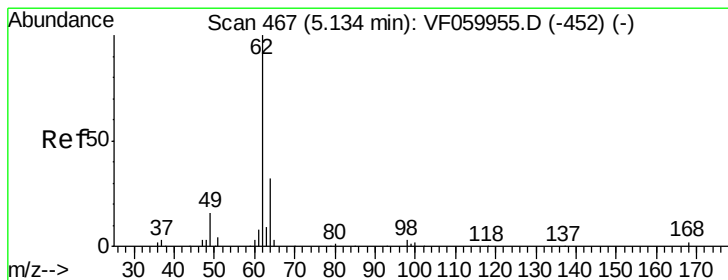
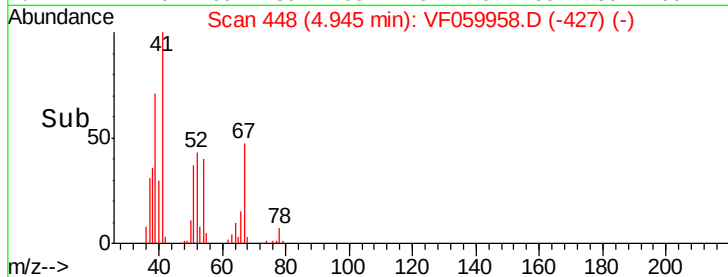
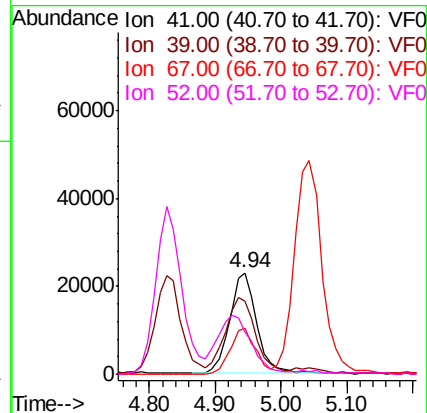
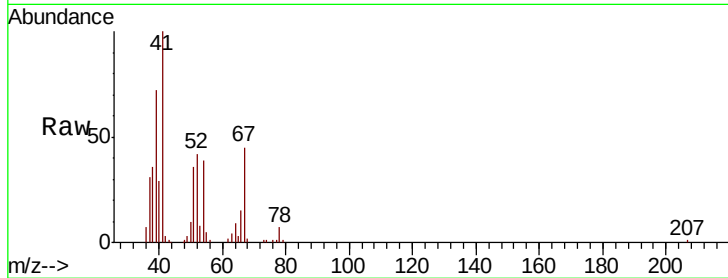
39 71.8 75.7 113.5#

67 45.5 36.1 54.1

52 42.2 48.0 72.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 121.88 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF059958.D

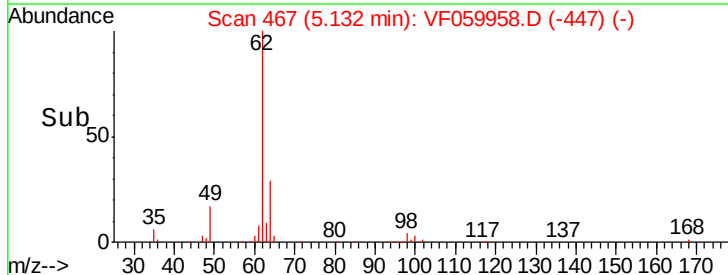
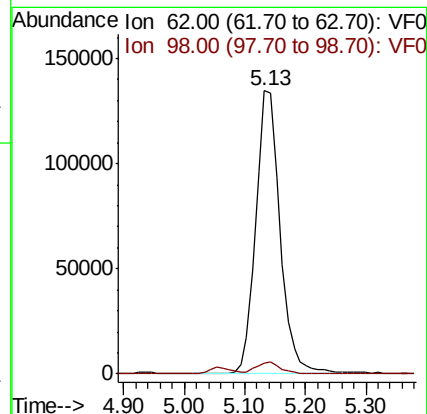
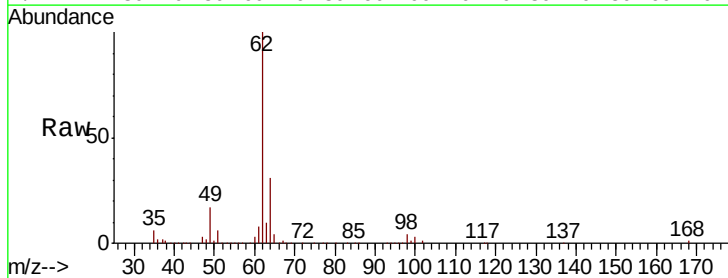
Acq: 14 Aug 2018 21:28

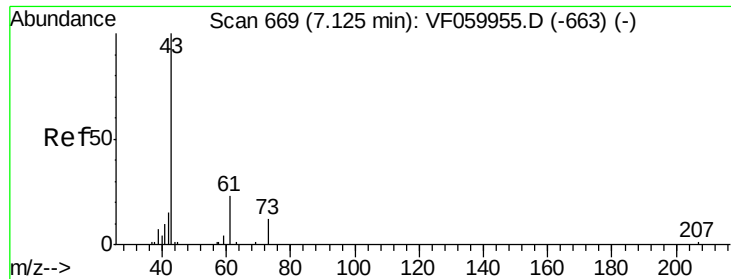
Tgt Ion: 62 Resp: 377313

Ion Ratio Lower Upper

62 100

98 3.7 0.0 5.0





#43

Isopropyl Acetate

Concen: 157.85 ug/l

RT: 7.12 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

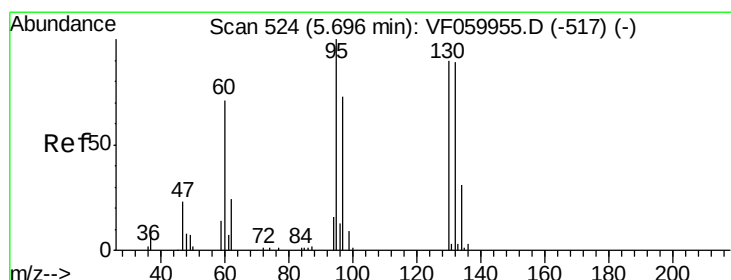
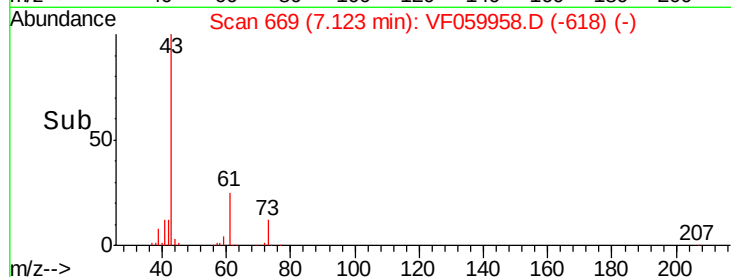
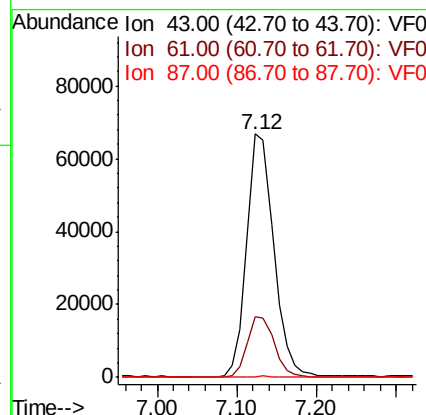
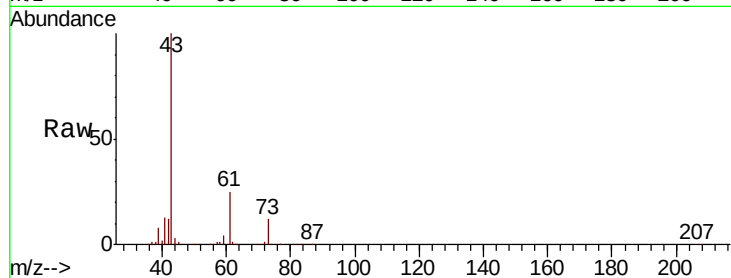
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	158345
Ion Ratio		Lower	Upper
43	100		
61	25.1	18.6	27.8
87	0.4	0.0	0.0#

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#44

Trichloroethene

Concen: 126.23 ug/l

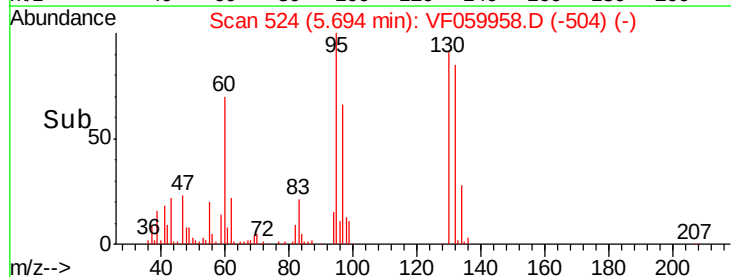
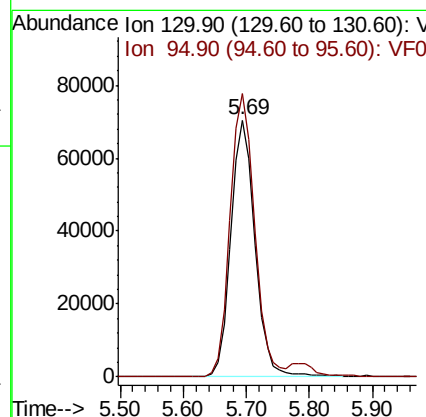
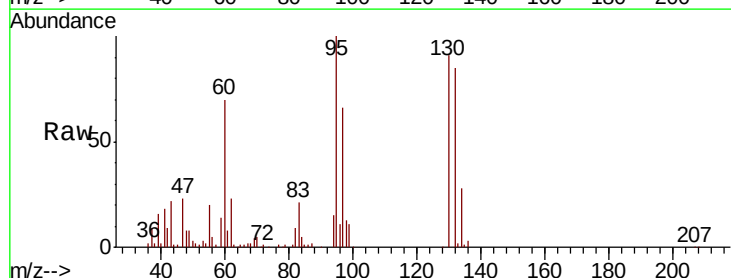
RT: 5.69 min Scan# 524

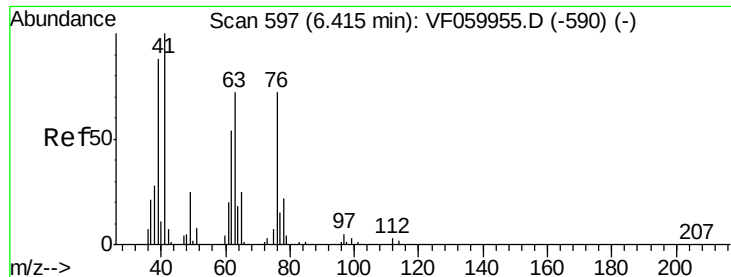
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	130	Resp:	186412
Ion Ratio		Lower	Upper
130	100		
95	110.2	0.0	222.0





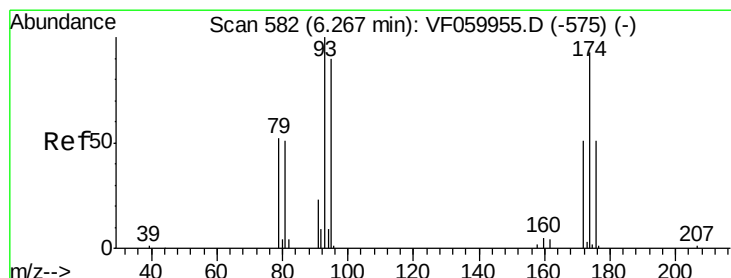
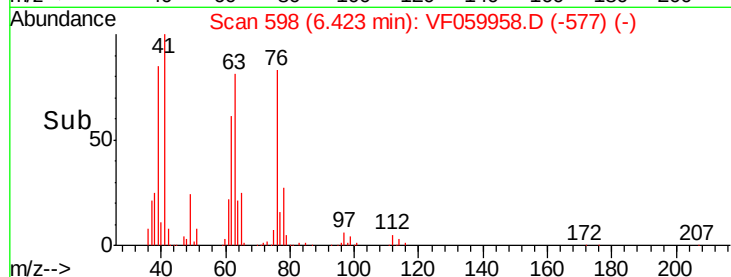
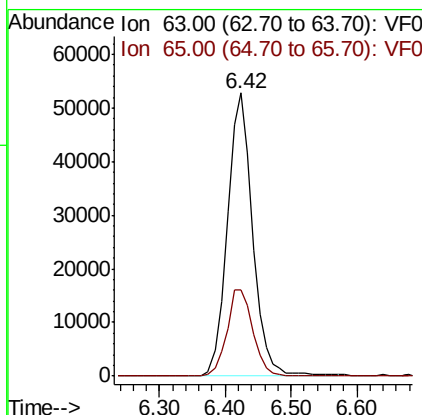
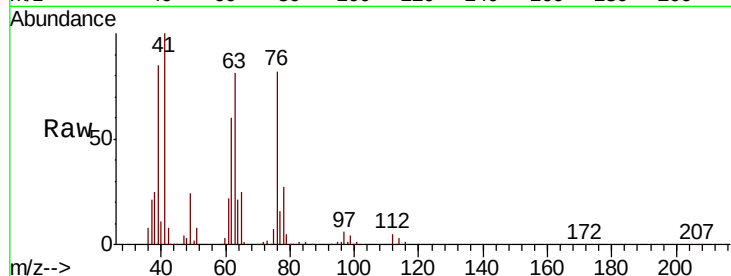
#45
 1,2-Dichloropropane
 Concen: 139.13 ug/l
 RT: 6.42 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.4	27.8	41.6	

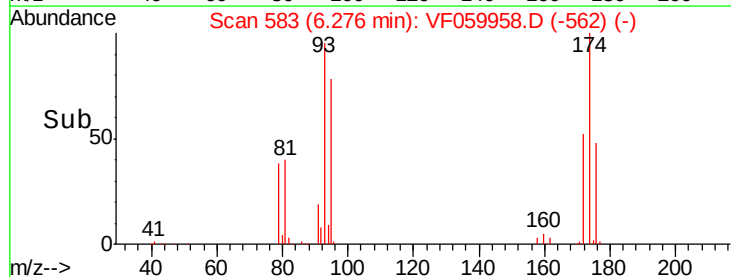
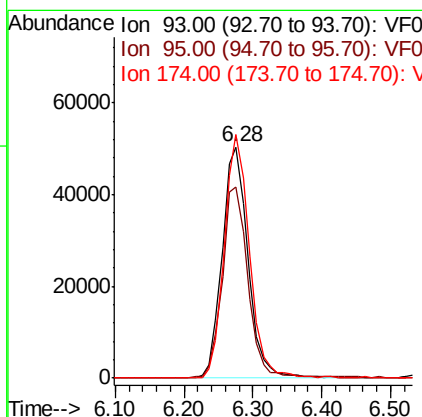
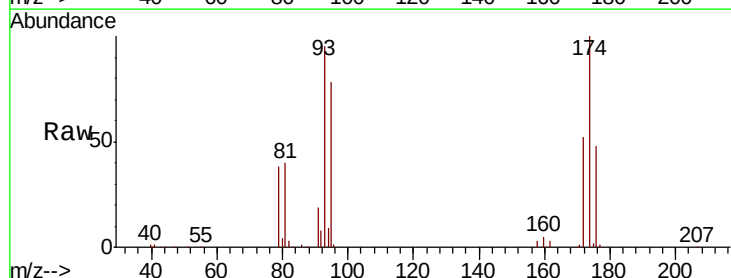
Manual Integrations
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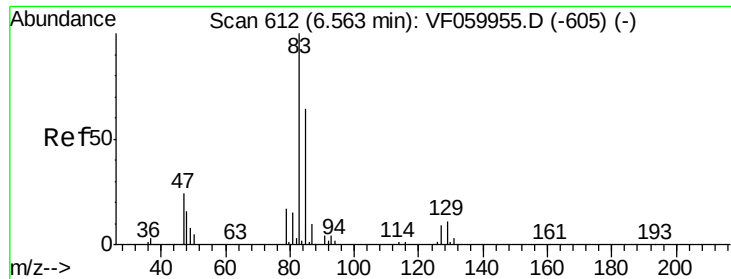
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#46
 Dibromomethane
 Concen: 126.86 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	82.5	72.4	108.6	
174	105.3	75.9	113.9	





#47

Bromodichloromethane

Concen: 135.75 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

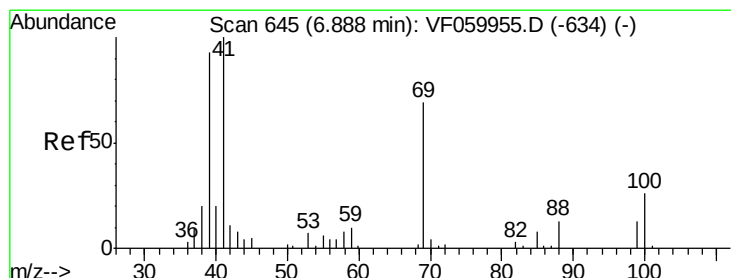
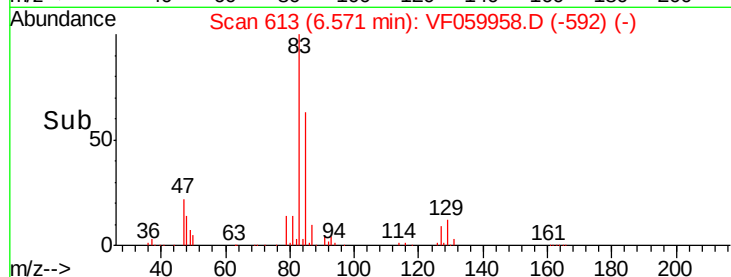
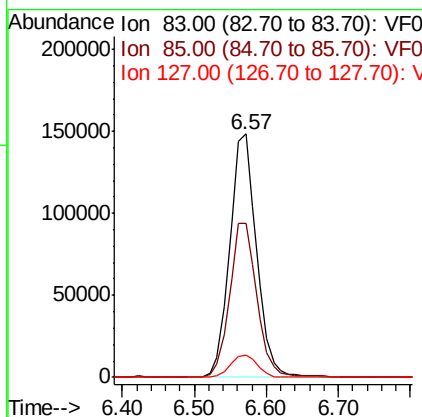
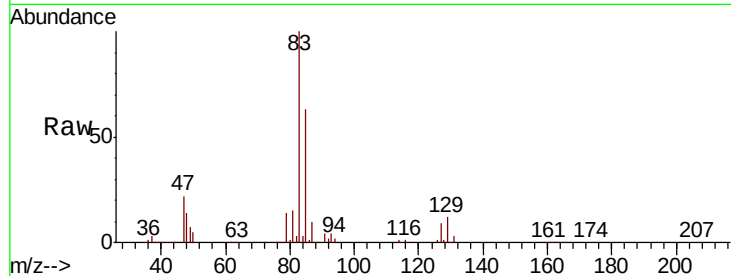
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	384603
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.5	77.3
127	8.9	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 158.96 ug/l

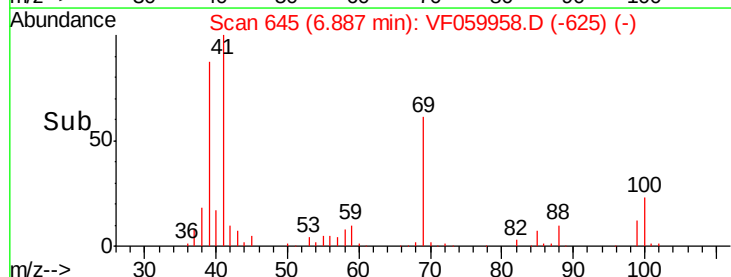
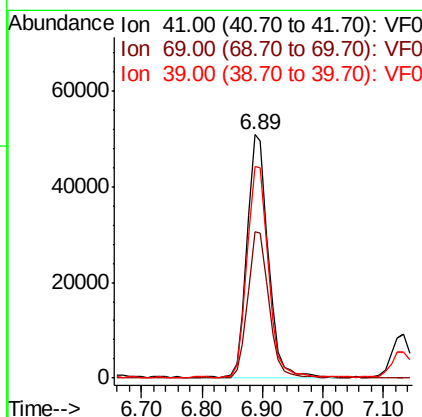
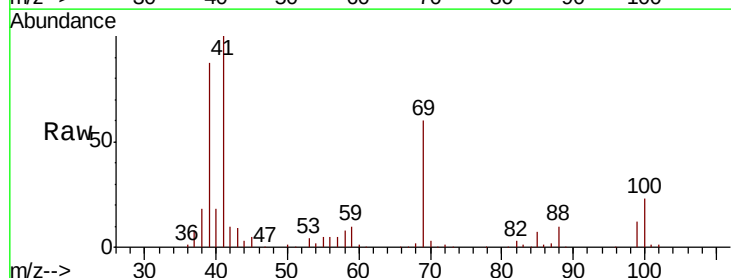
RT: 6.89 min Scan# 645

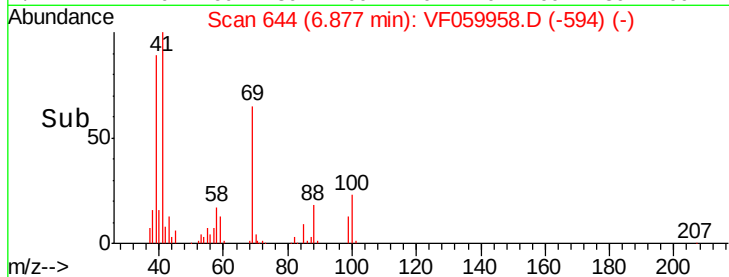
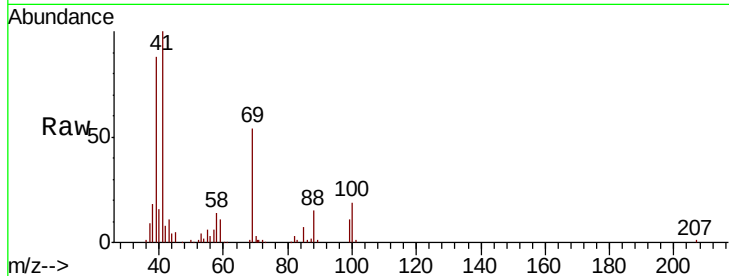
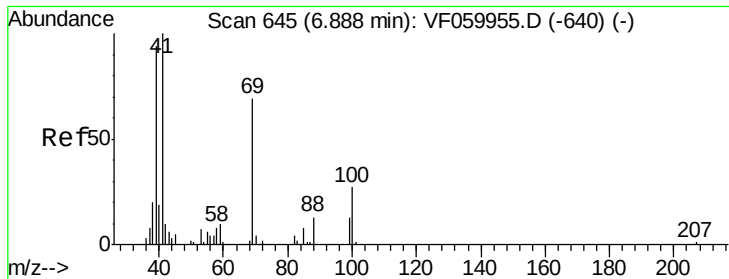
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	41	Resp:	123072
Ion Ratio	Lower	Upper	
41	100		
69	60.3	54.8	82.2
39	87.2	75.1	112.7





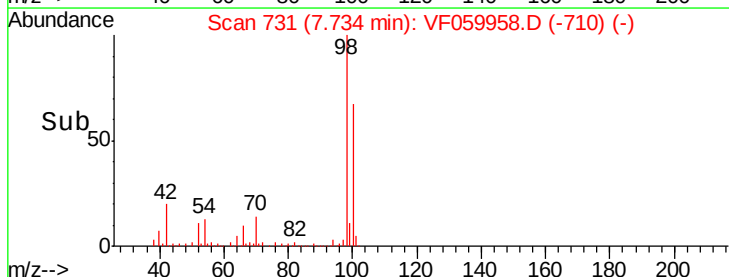
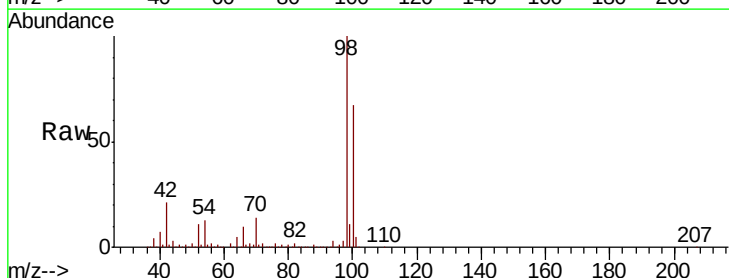
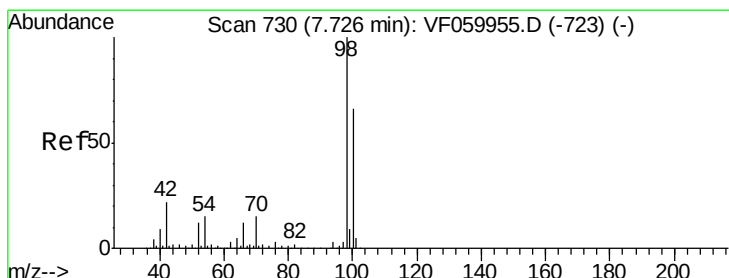
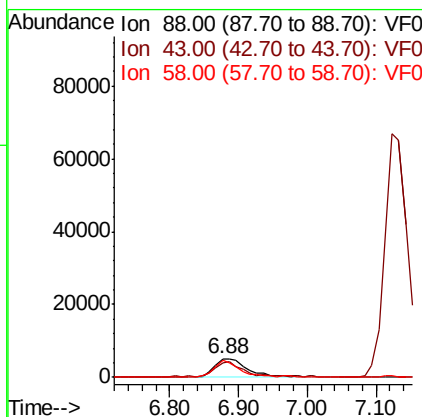
#49
1,4-Dioxane
Concen: 2965.01 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	73.9		47.9	71.9#
58	91.0		52.0	78.0#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

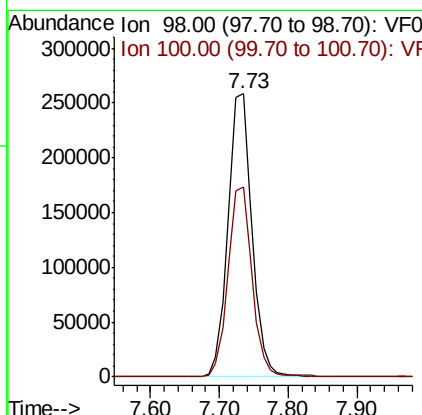
Manual Integrations
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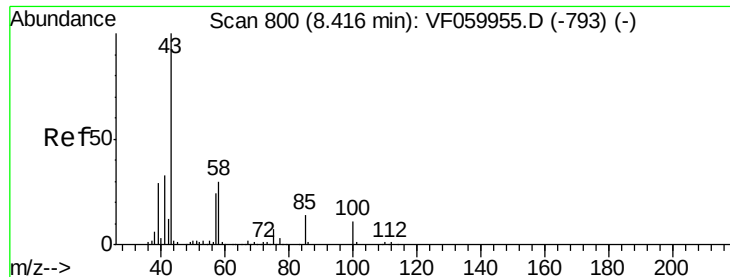
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#50
Toluene-d8
Concen: 151.07 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.0		52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 667.01 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 679551

Ion Ratio Lower Upper

43 100

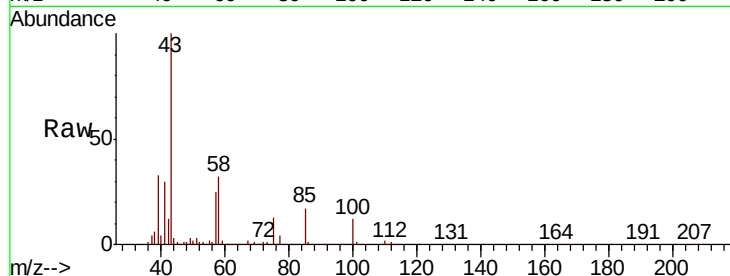
58 32.3 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

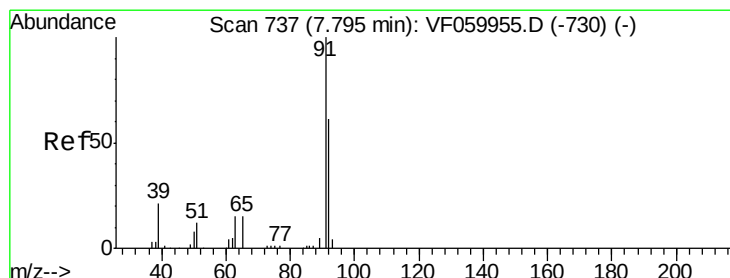
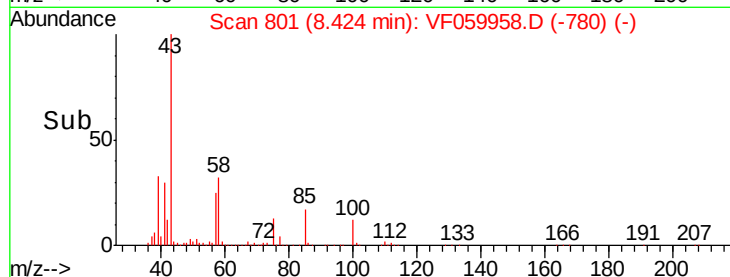
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 132.70 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059958.D

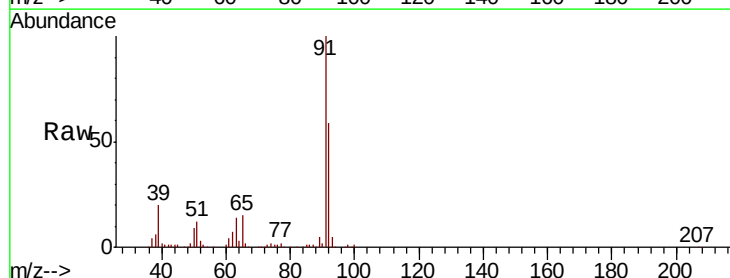
Acq: 14 Aug 2018 21:28

Tgt Ion: 92 Resp: 374169

Ion Ratio Lower Upper

92 100

91 168.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

300000

250000

200000

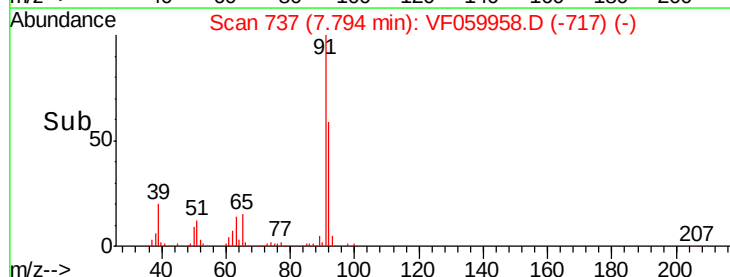
150000

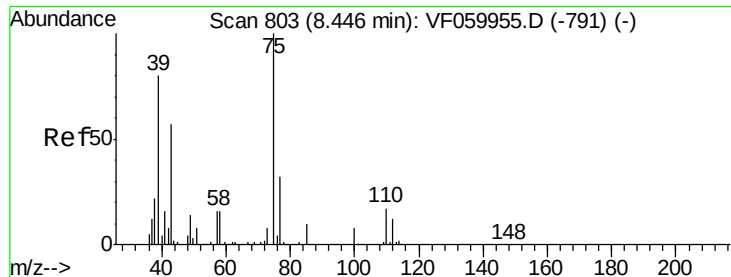
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 141.67 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tot Ion: 75 Resp: 310761

Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

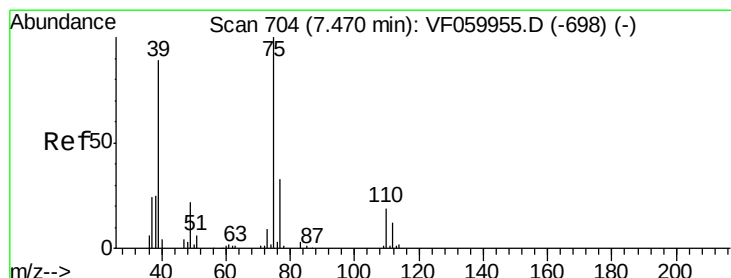
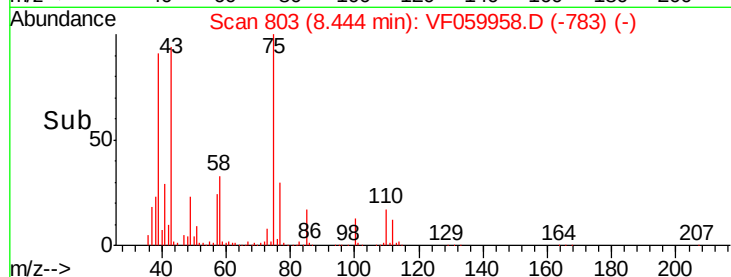
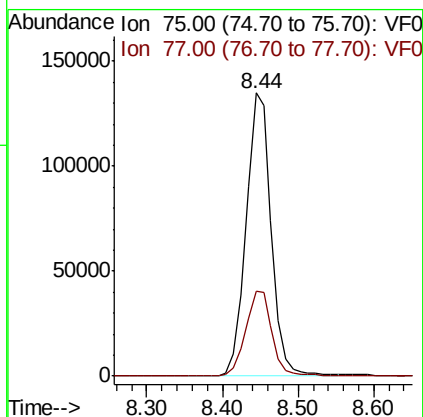
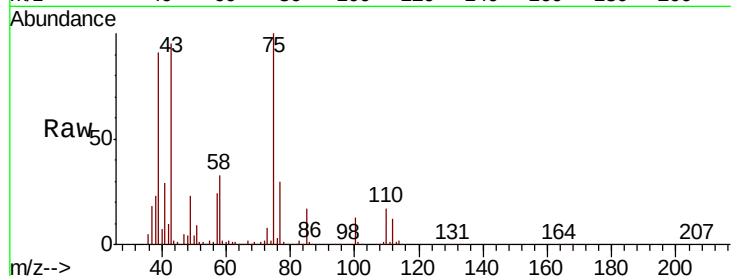
VSTDIC150

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#54

cis-1,3-Dichloropropene

Concen: 140.97 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

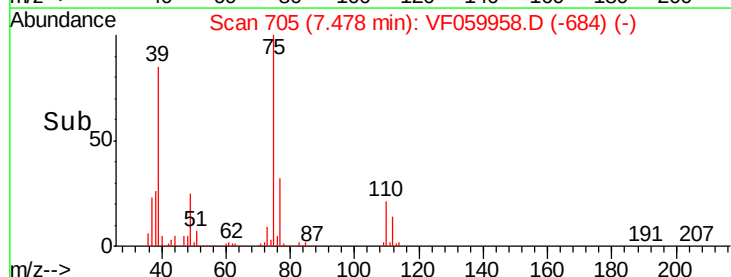
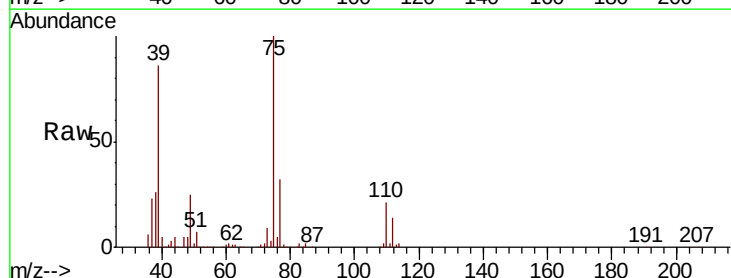
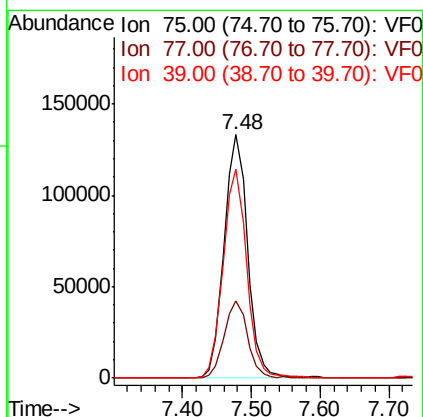
Tgt Ion: 75 Resp: 316027

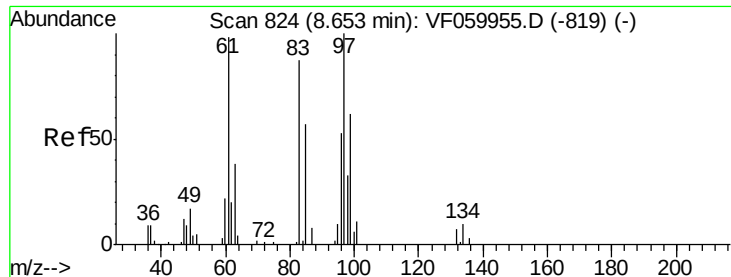
Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1

39 85.6 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 135.32 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

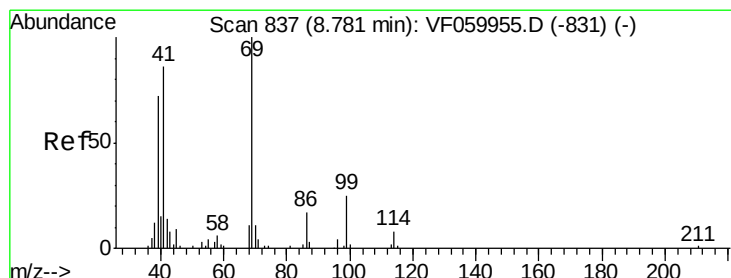
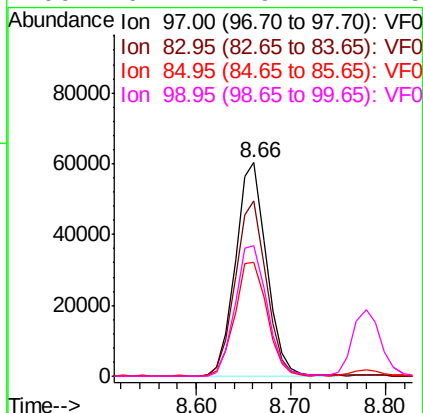
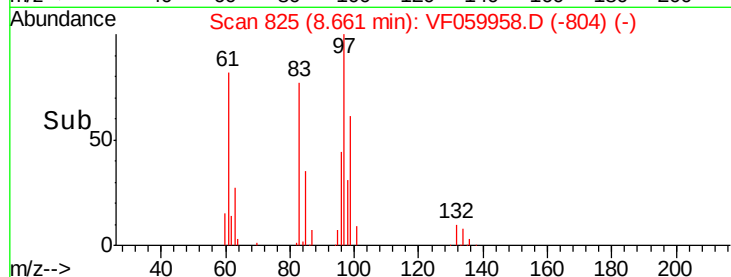
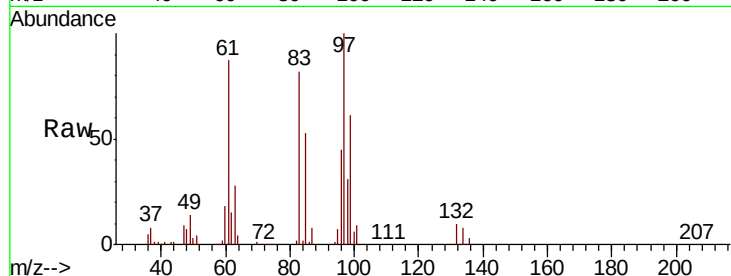
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	137234
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.0	105.0
85	53.2	45.2	67.8
99	61.4	49.7	74.5

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#56

Ethyl methacrylate

Concen: 140.98 ug/l

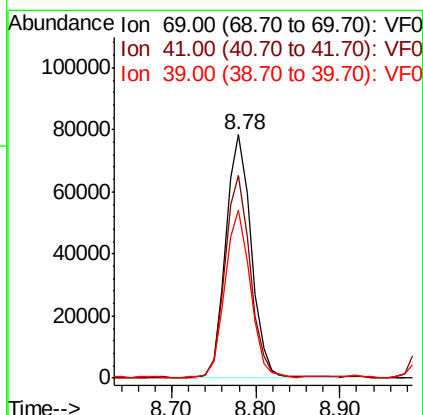
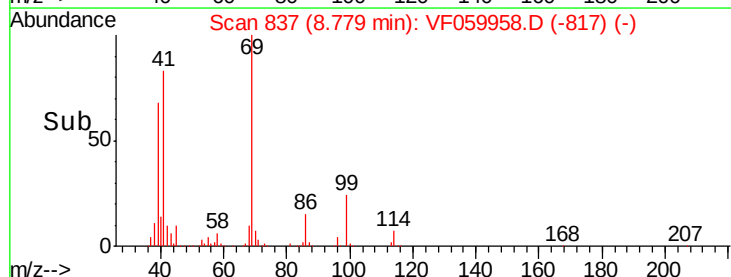
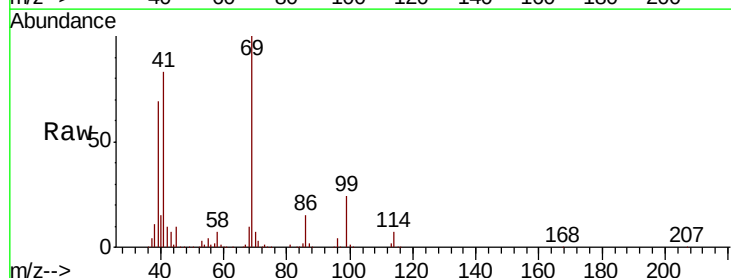
RT: 8.78 min Scan# 837

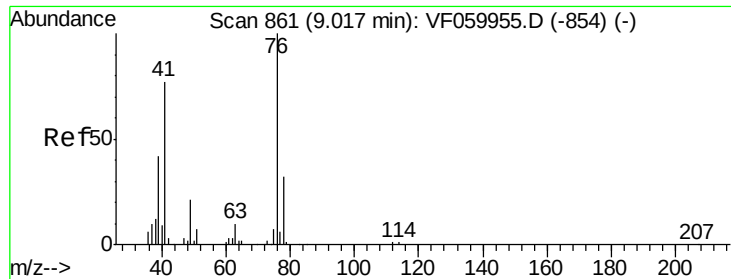
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	69	Resp:	166079
Ion	Ratio	Lower	Upper
69	100		
41	83.4	68.7	103.1
39	68.8	58.5	87.7





#57

1,3-Dichloropropane

Concen: 134.72 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 237189

Ion Ratio Lower Upper

76 100

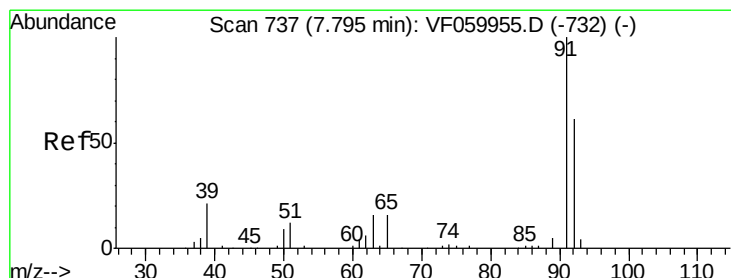
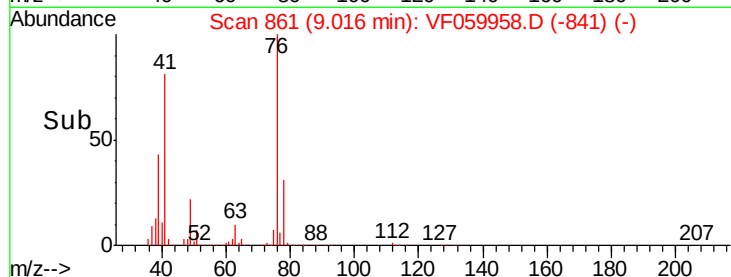
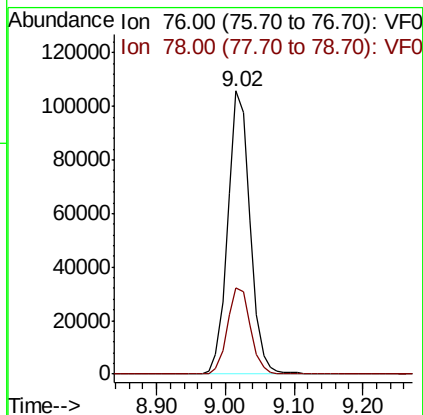
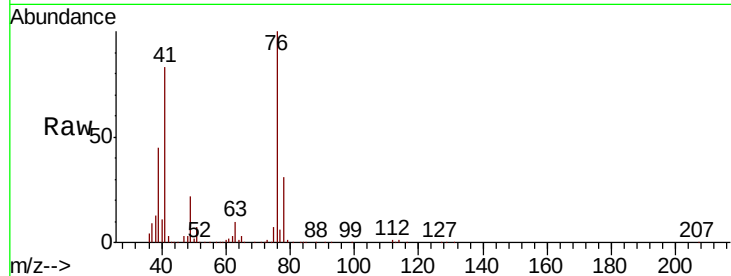
78 30.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 642.67 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF059958.D

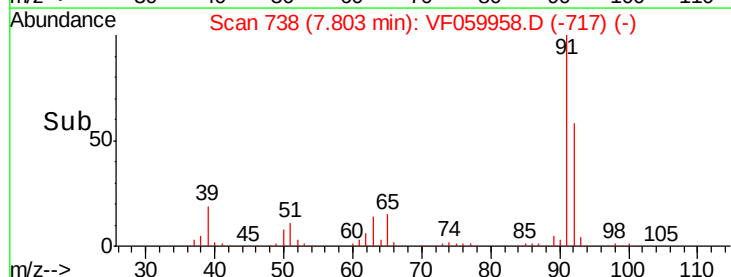
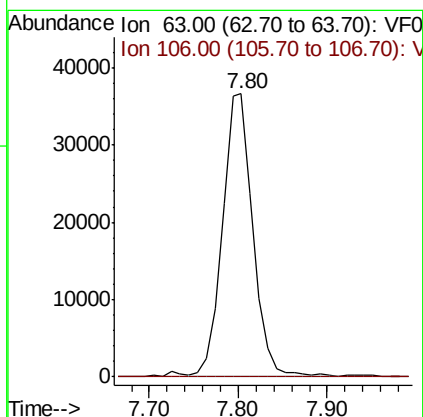
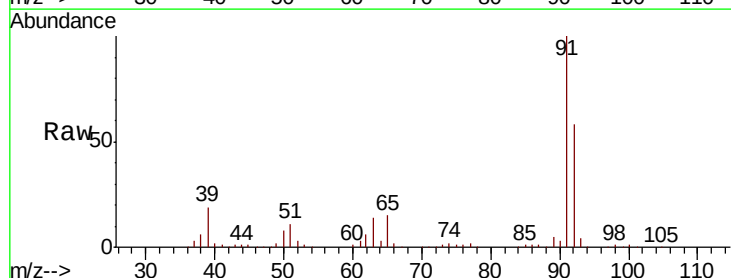
Acq: 14 Aug 2018 21:28

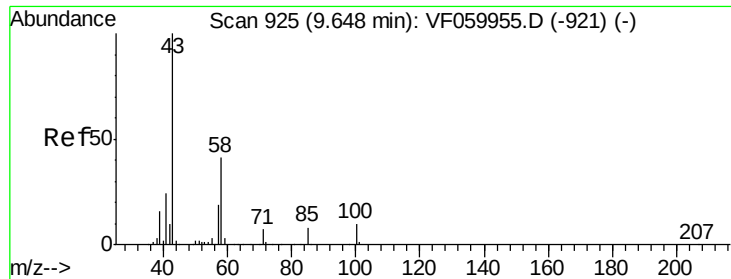
Tgt Ion: 63 Resp: 86213

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





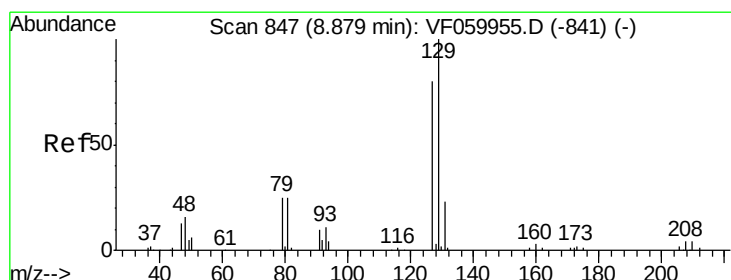
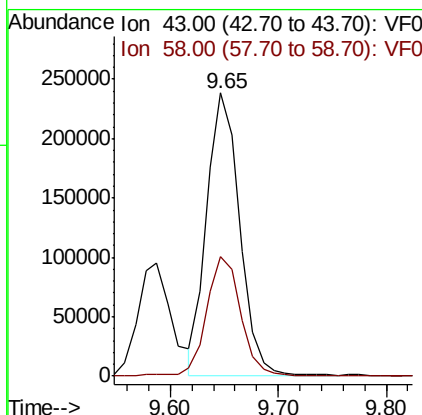
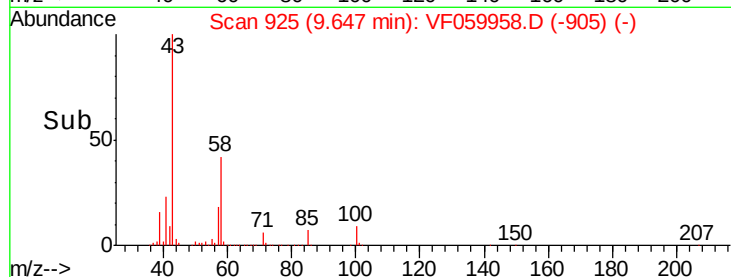
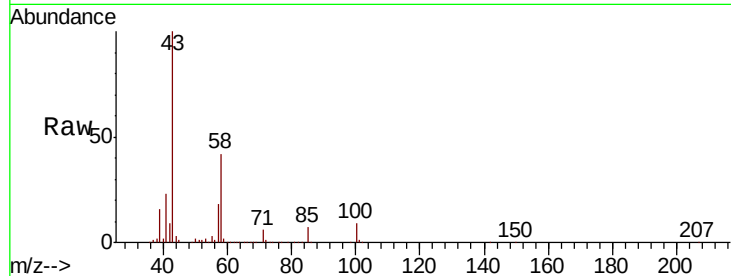
#59
2-Hexanone
Concen: 693.25 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.1	19.4	58.2

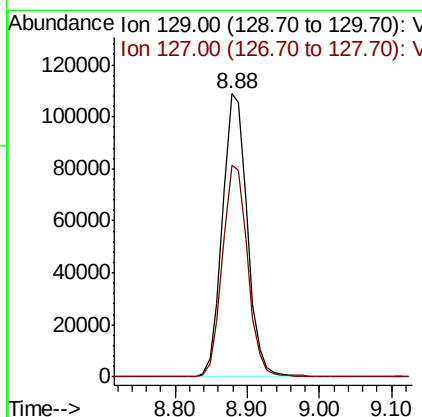
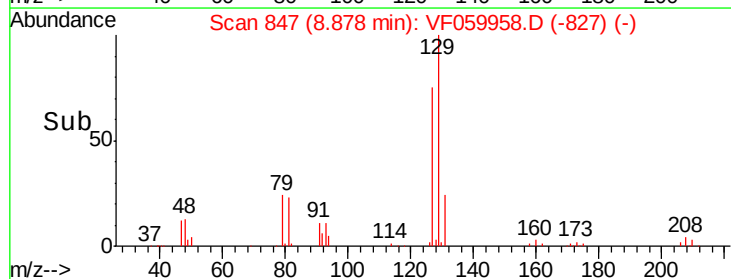
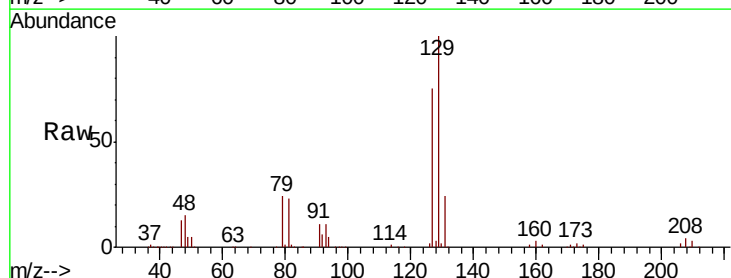
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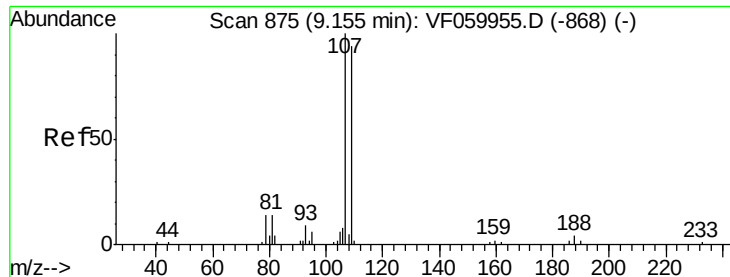
apatel
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#60
Dibromochloromethane
Concen: 135.80 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	40.0	119.9





#61

1,2-Dibromoethane

Concen: 139.55 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 172389

Ion Ratio Lower Upper

107 100

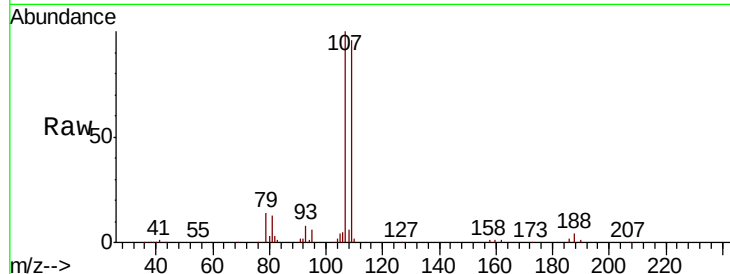
109 96.0 75.0 112.6

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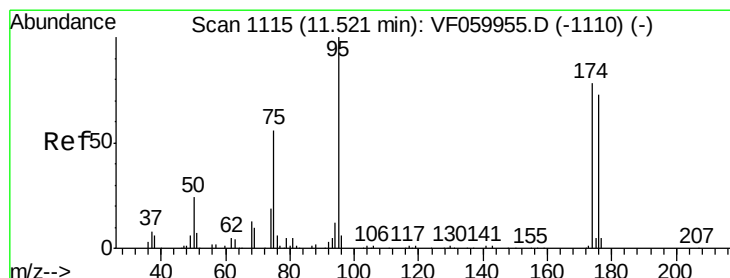
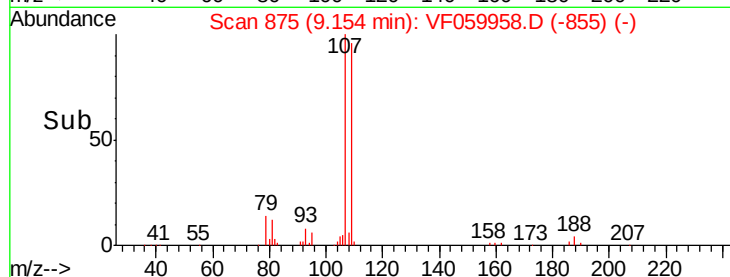
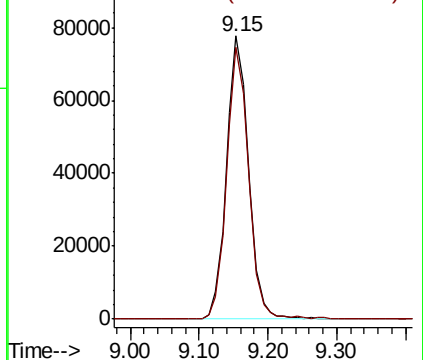
apatel

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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: 139.47 ug/l

RT: 11.53 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

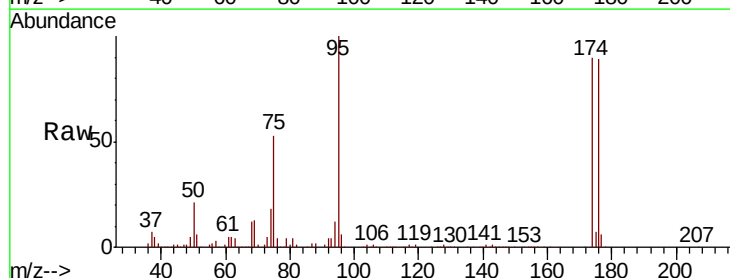
Tgt Ion: 95 Resp: 325453

Ion Ratio Lower Upper

95 100

174 89.8 0.0 156.4

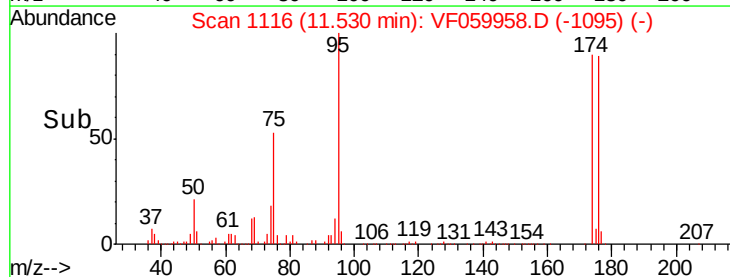
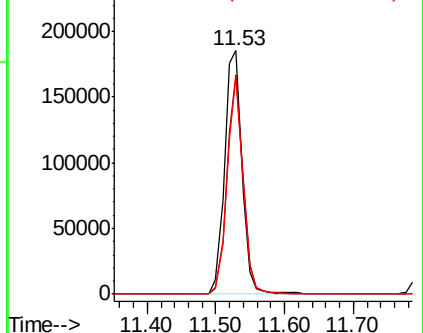
176 88.9 0.0 146.8

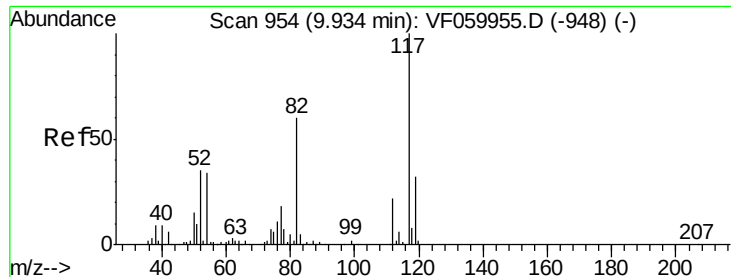


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





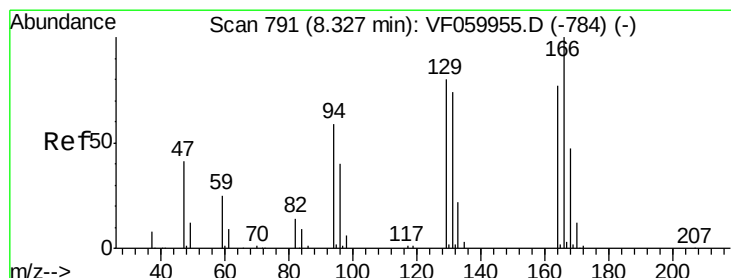
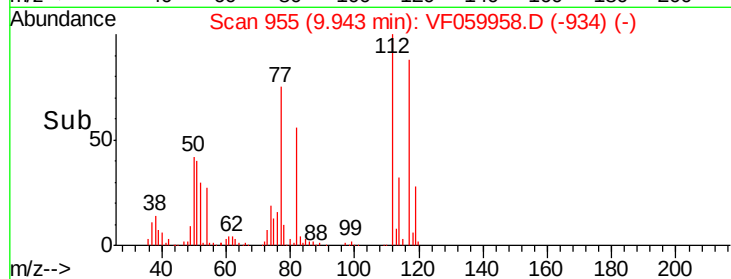
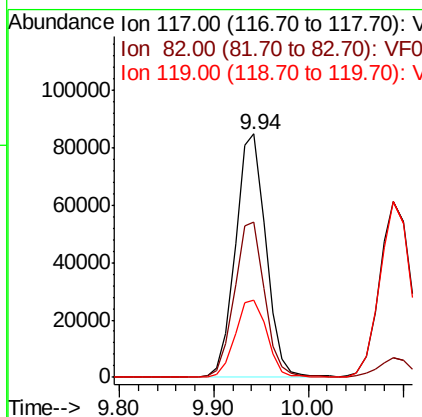
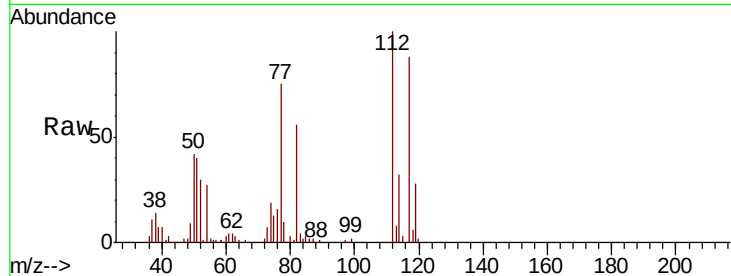
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	189055		
82	63.6	48.3	72.5	
119	31.5	25.7	38.5	

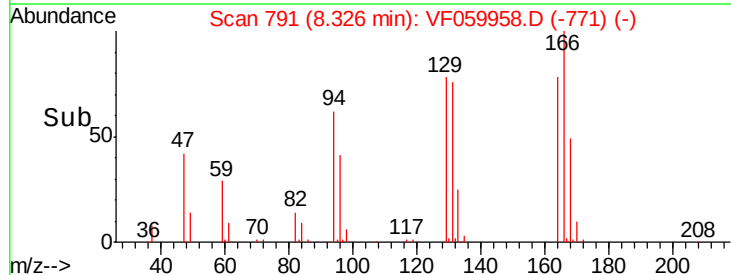
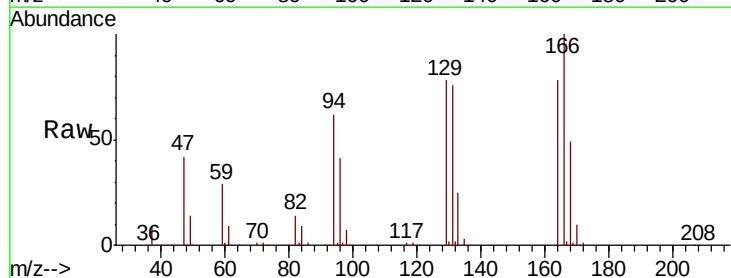
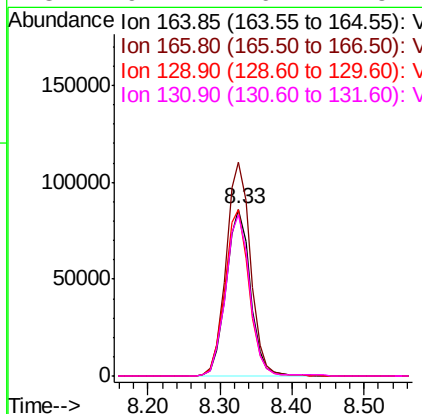
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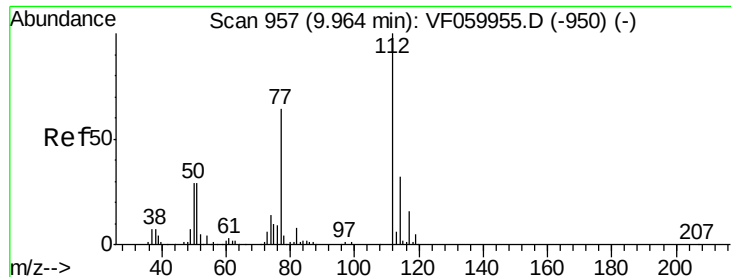
apatel
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#64
Tetrachloroethene
Concen: 127.59 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201545		
166	128.1	103.4	155.2	
129	99.6	82.2	123.4	
131	97.1	76.7	115.1	





#65

Chlorobenzene

Concen: 136.54 ug/l

RT: 9.96 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 517002

Ion Ratio Lower Upper

112 100

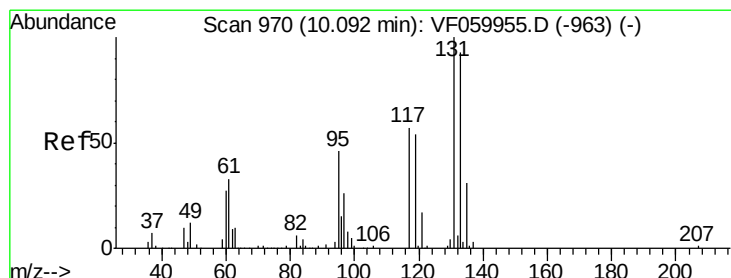
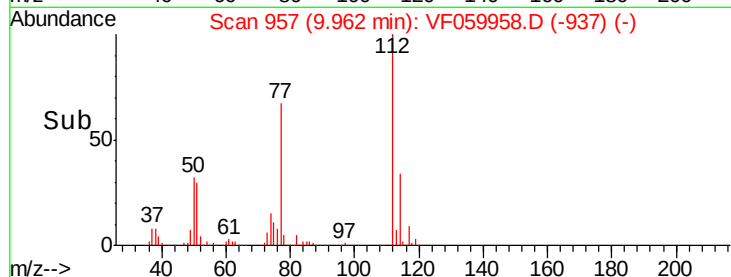
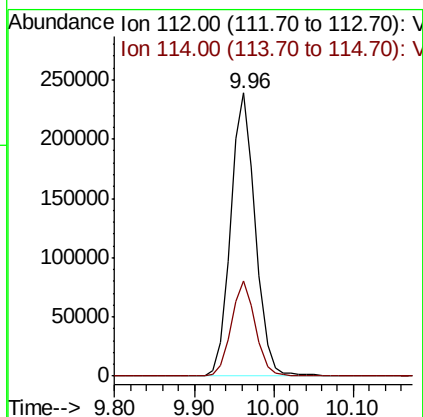
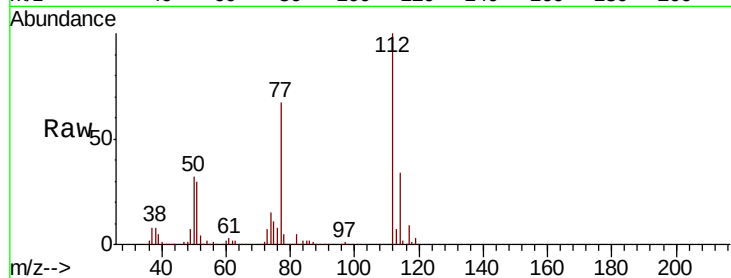
114 33.8 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 130.16 ug/l

RT: 10.09 min Scan# 970

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

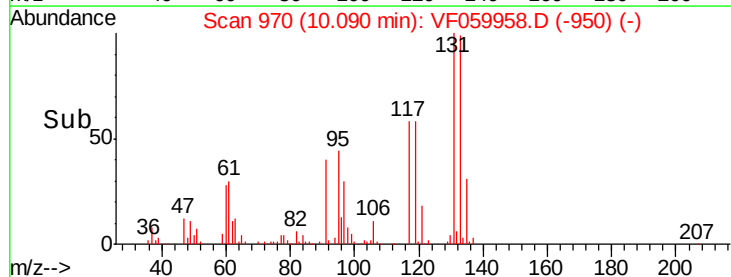
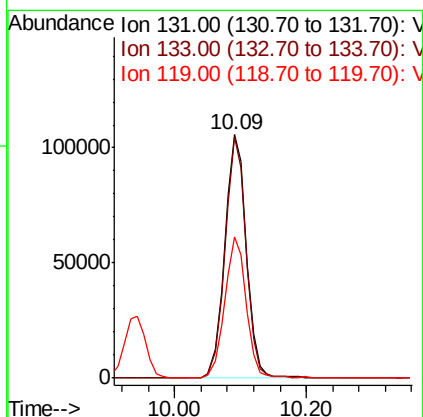
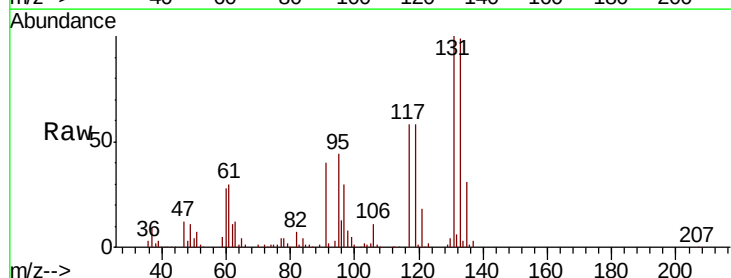
Tgt Ion:131 Resp: 243508

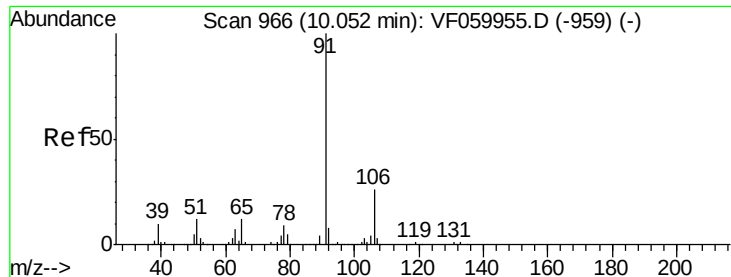
Ion Ratio Lower Upper

131 100

133 99.1 46.4 139.1

119 57.9 27.2 81.5





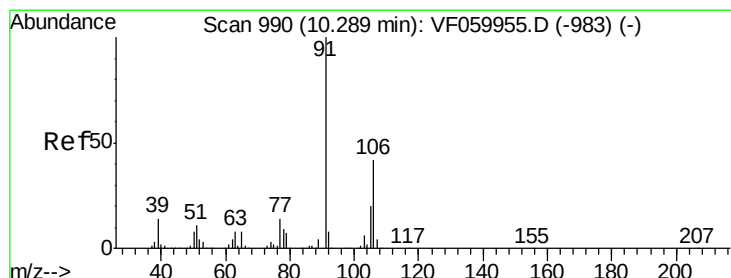
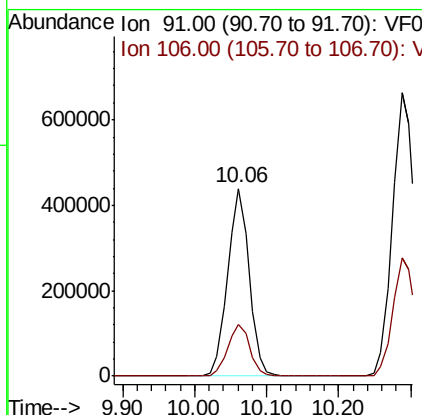
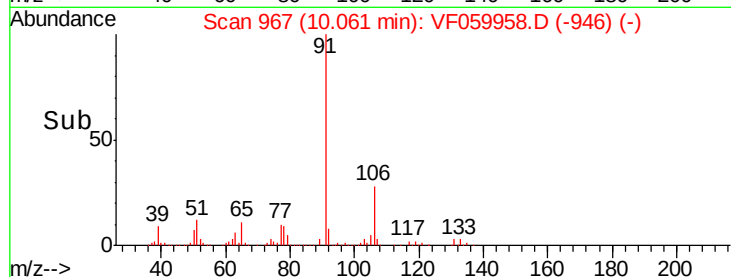
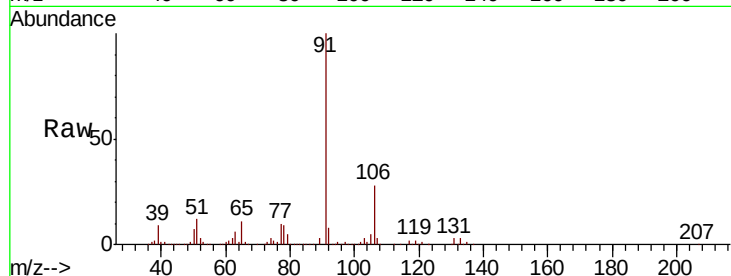
#67
Ethyl Benzene
Concen: 139.75 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 915987
Ion Ratio Lower Upper
91 100
106 27.6 20.7 31.1

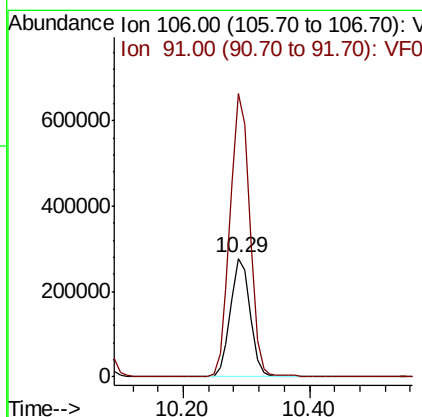
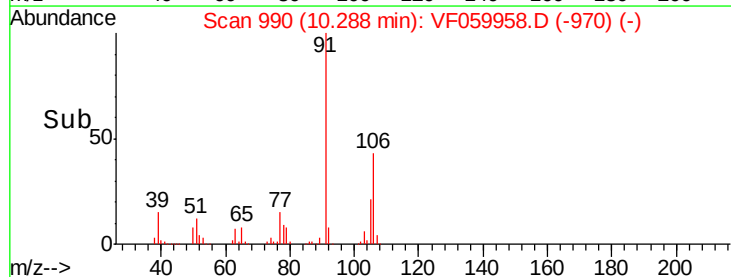
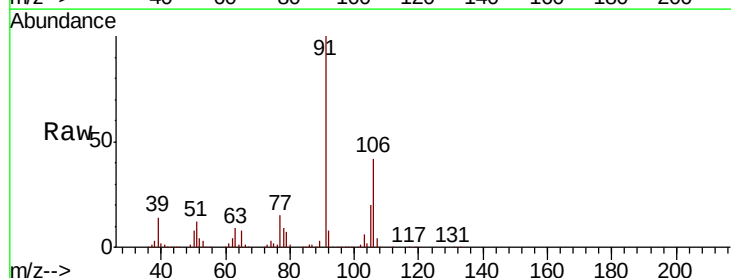
Manual Integrations
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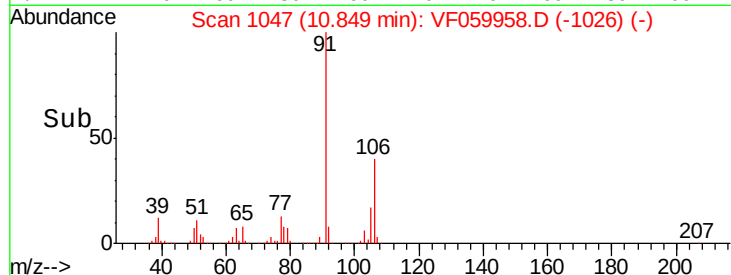
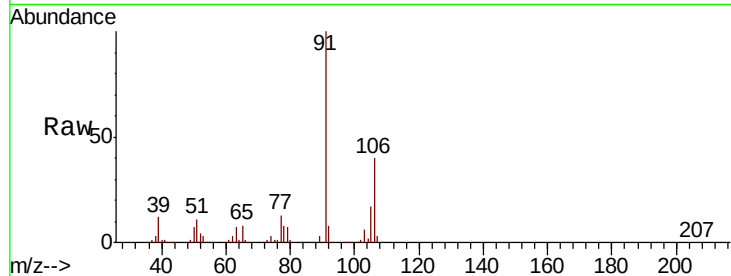
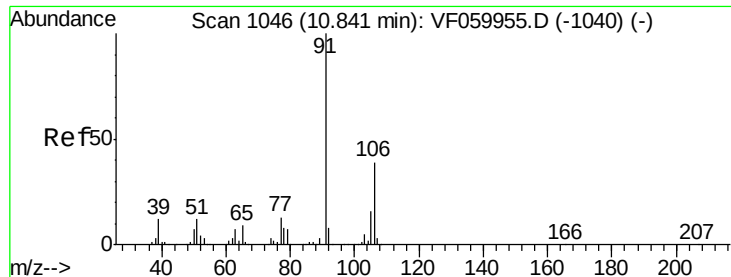
apatel
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#68
m/p-Xylenes
Concen: 262.15 ug/l
RT: 10.29 min Scan# 990
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion: 106 Resp: 594257
Ion Ratio Lower Upper
106 100
91 238.6 191.8 287.8





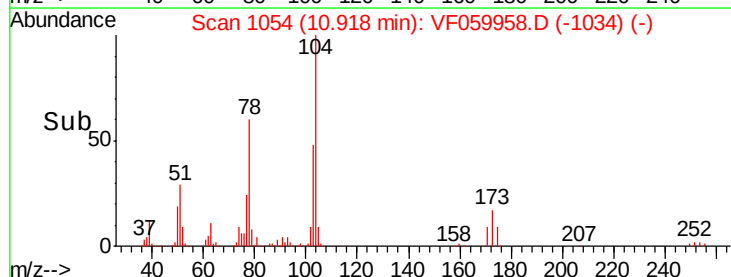
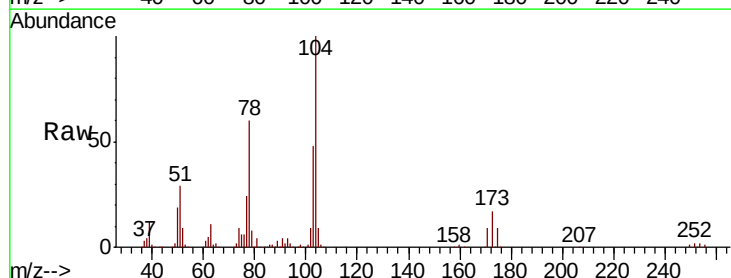
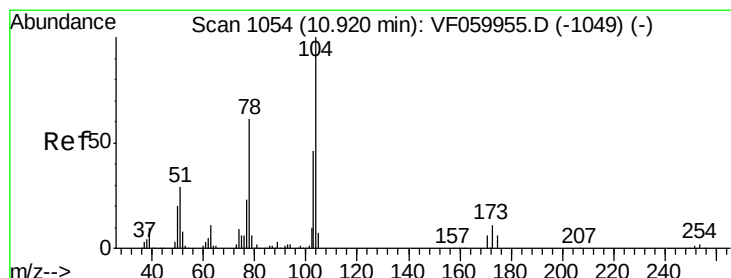
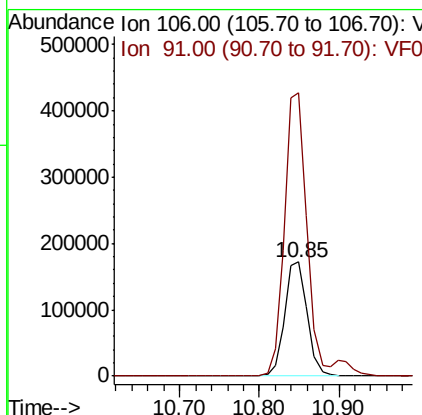
#69
o-Xylene
Concen: 143.38 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tot Ion:106 Resp: 341033
Ion Ratio Lower Upper
106 100
91 248.1 126.8 380.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

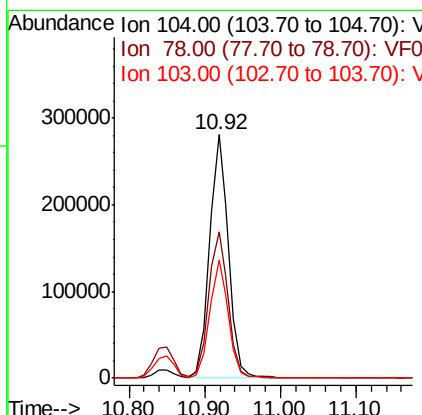
Manual Integrations
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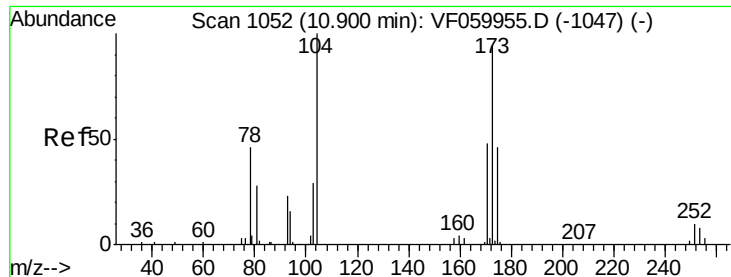
apatel
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#70
Styrene
Concen: 137.43 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion:104 Resp: 493399
Ion Ratio Lower Upper
104 100
78 59.9 49.2 73.8
103 48.4 37.4 56.0





#71

Bromoform

Concen: 135.11 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

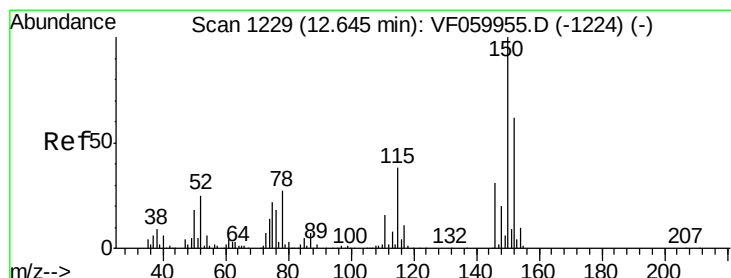
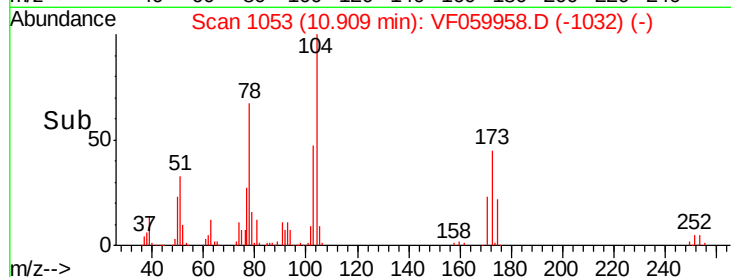
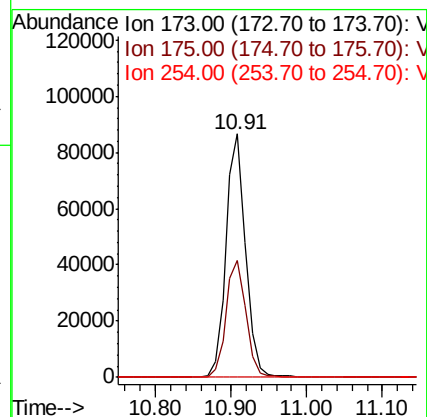
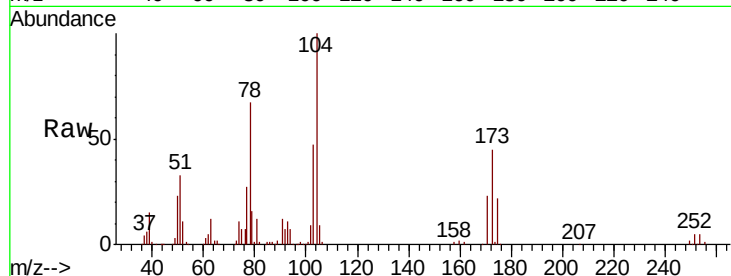
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	155914
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

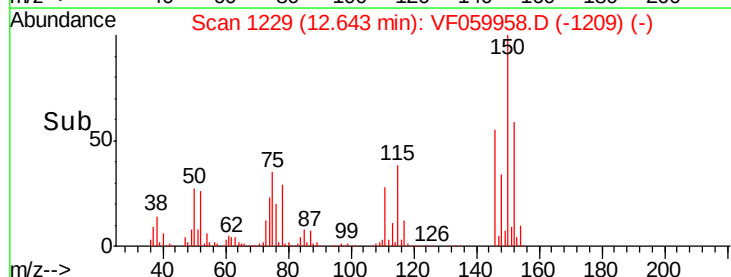
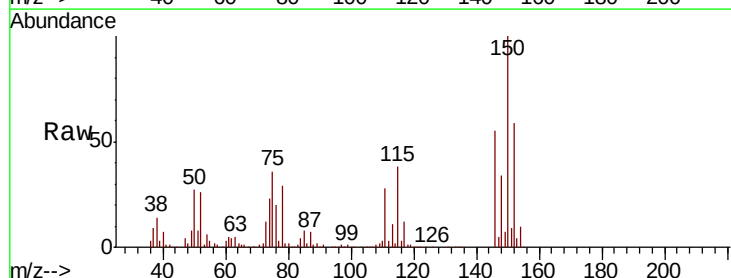
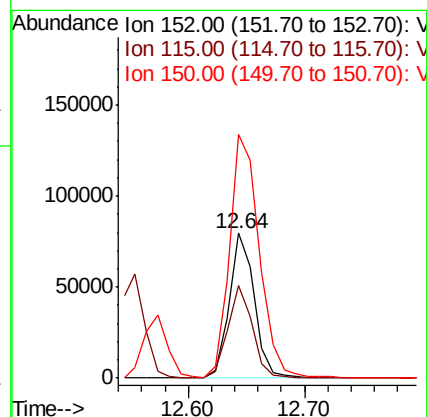
RT: 12.64 min Scan# 1229

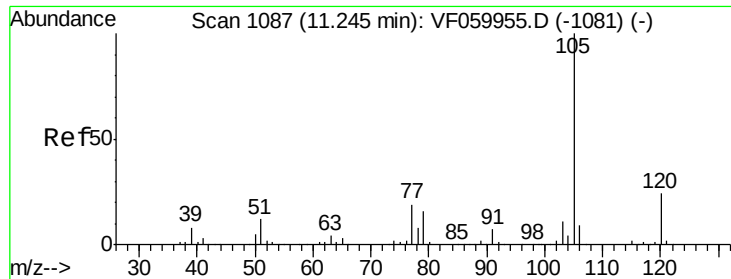
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	152	Resp:	117407
Ion Ratio	Lower	Upper	
152	100		
115	64.3	31.4	94.0
150	168.5	0.0	326.2





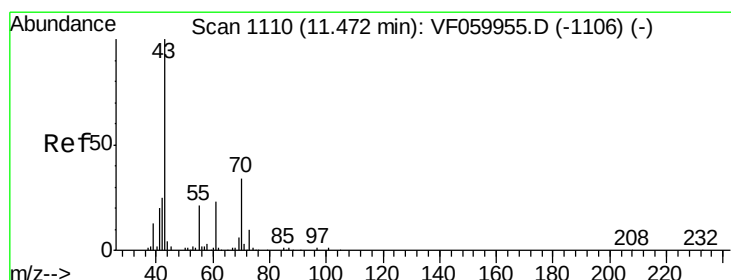
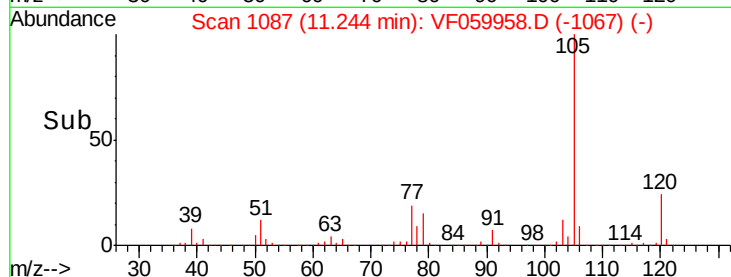
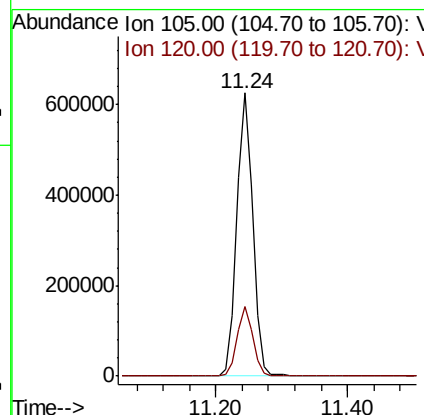
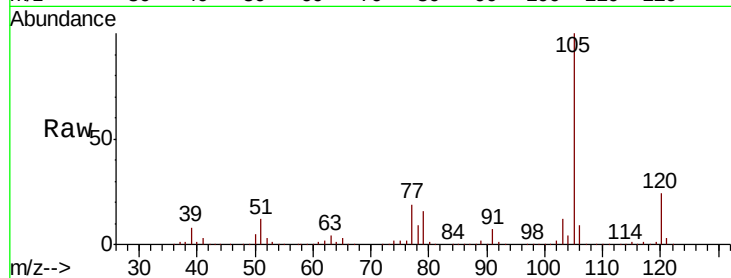
#73
Isopropylbenzene
Concen: 147.58 ug/l
RT: 11.24 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1072281
Ion Ratio Lower Upper
105 100
120 24.4 11.9 35.9

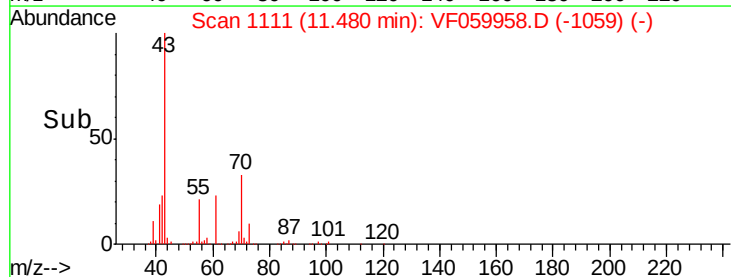
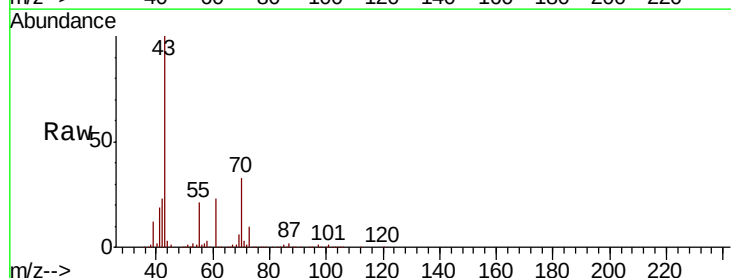
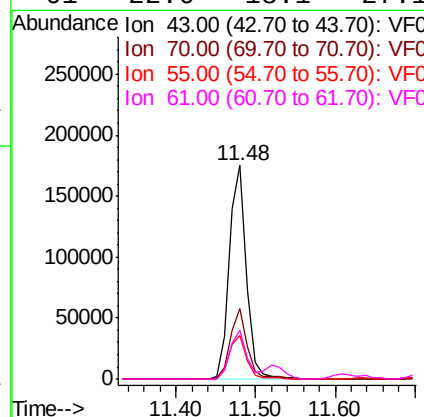
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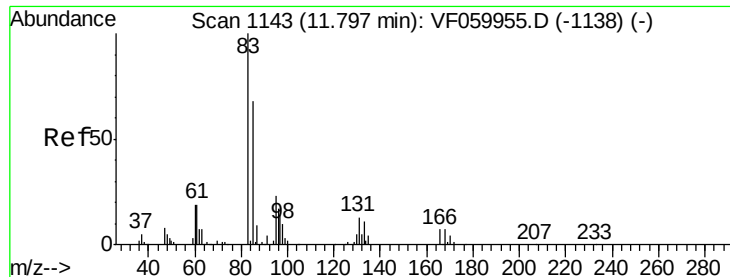
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#74
N-ethyl acetate
Concen: 141.01 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion: 43 Resp: 265497
Ion Ratio Lower Upper
43 100
70 33.0 26.9 40.3
55 20.6 16.9 25.3
61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 131.65 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

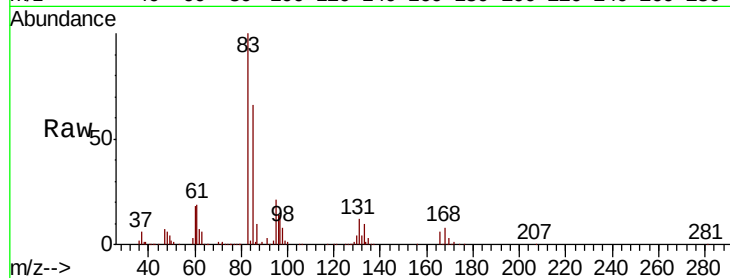
ClientSampleId :

VSTDIC150

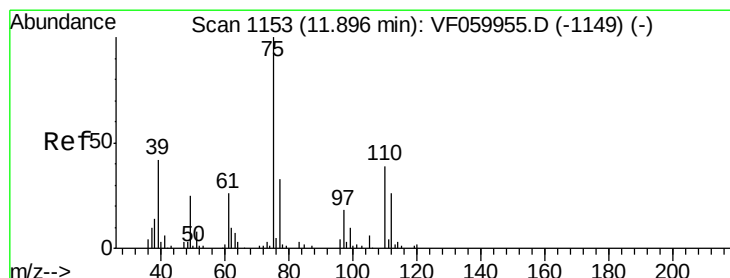
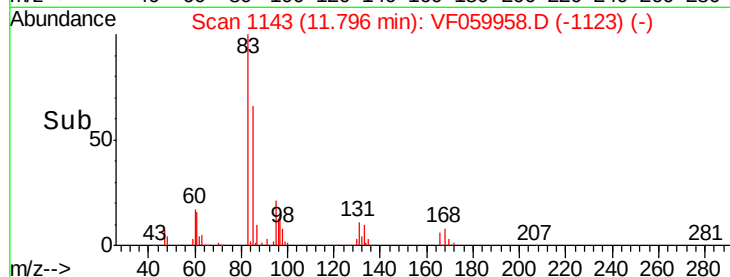
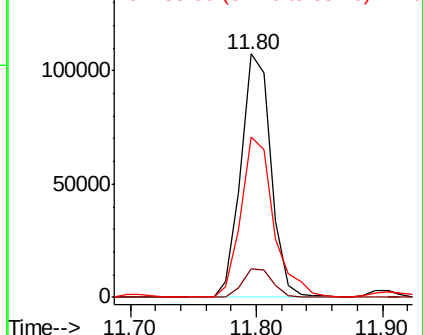
Tot Ion:	83	Resp:	178271
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.3	19.1
85	65.7	33.9	101.7

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 132.21 ug/l

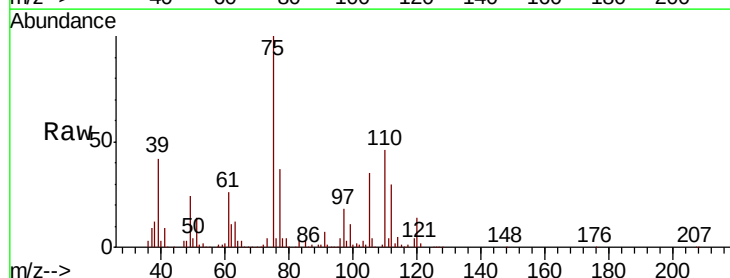
RT: 11.90 min Scan# 1154

Delta R.T. 0.01 min

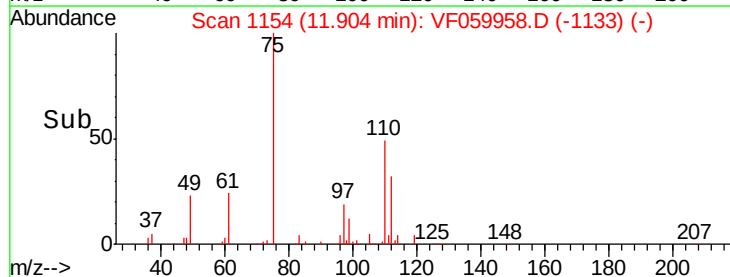
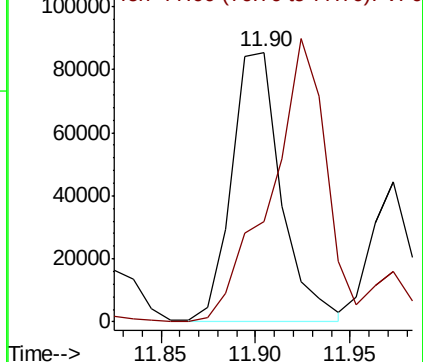
Lab File: VF059958.D

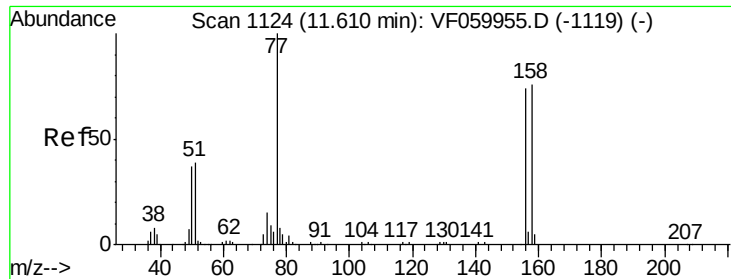
Acq: 14 Aug 2018 21:28

Tgt Ion:	75	Resp:	154580
Ion Ratio	Lower	Upper	
75	100		
77	37.3	16.6	49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





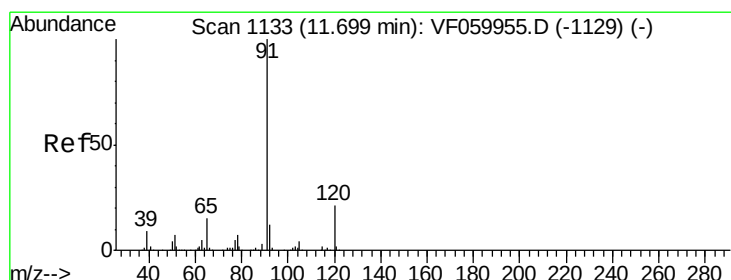
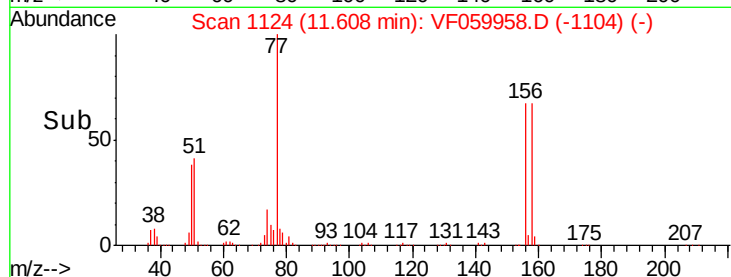
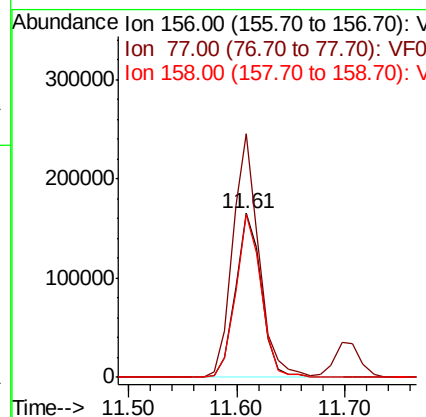
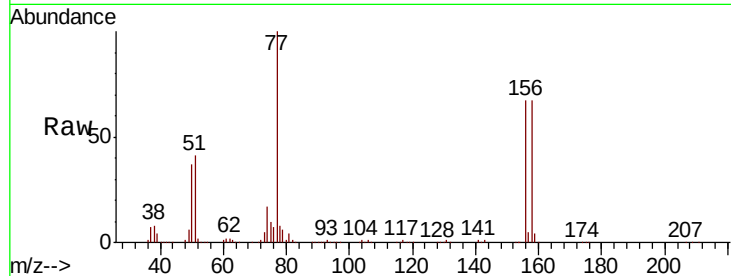
#77
Bromobenzene
Concen: 137.92 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.5	67.8	203.2
158	99.4	51.7	155.2

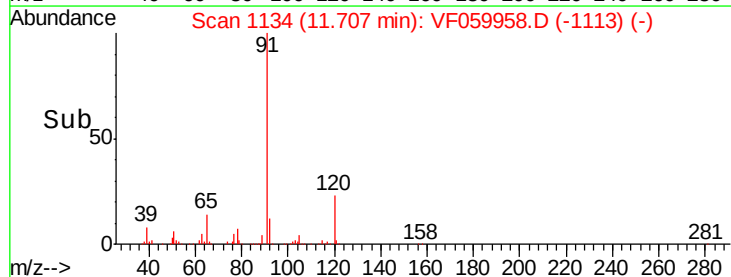
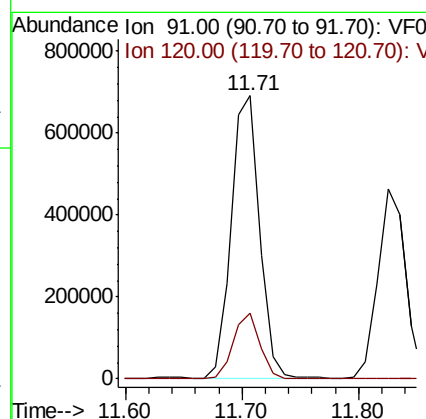
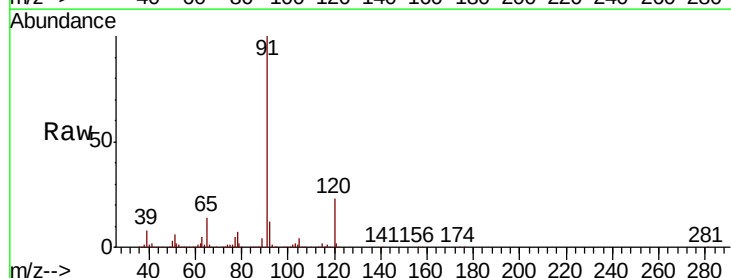
Manual Integrations
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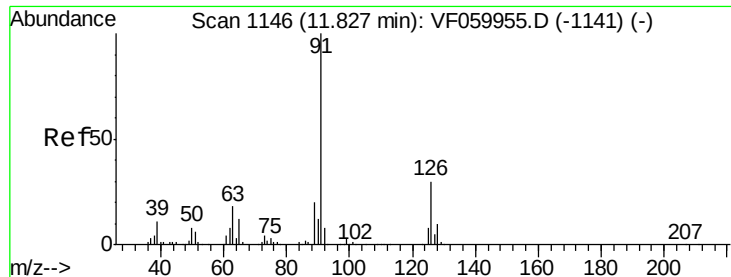
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#78
n-propylbenzene
Concen: 134.86 ug/l
RT: 11.71 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	10.4	31.1





#79

2-Chlorotoluene

Concen: 140.12 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 758178

Ion Ratio Lower Upper

91 100

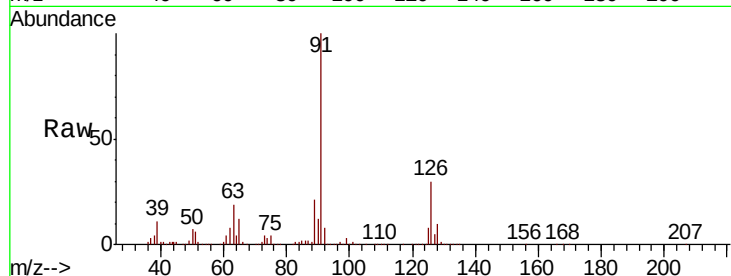
126 30.3 15.2 45.5

Manual Integrations

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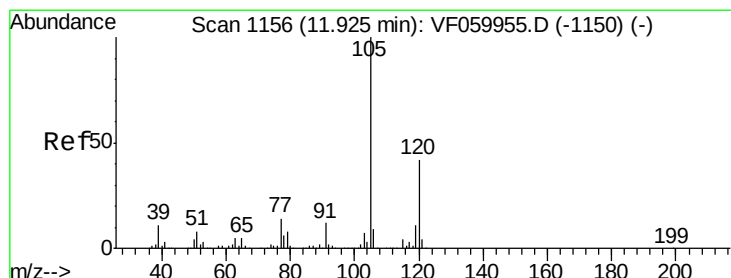
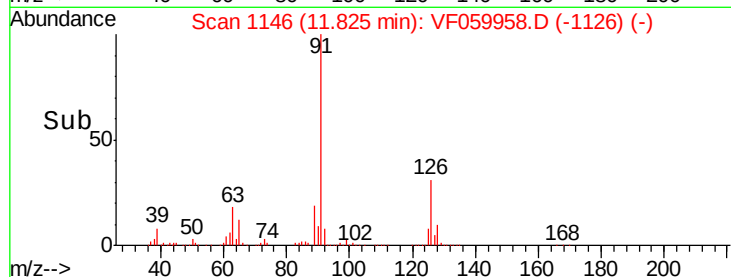
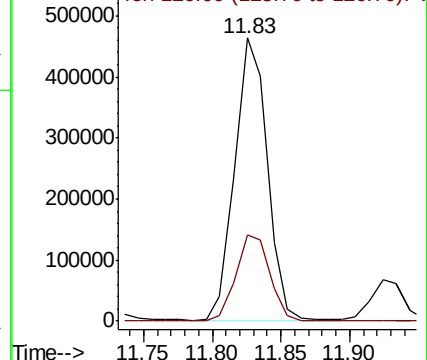
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 139.67 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059958.D

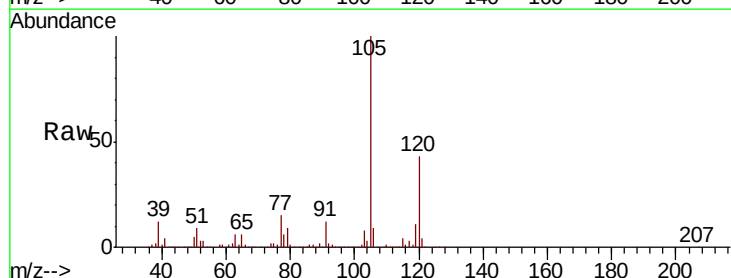
Acq: 14 Aug 2018 21:28

Tgt Ion:105 Resp: 941750

Ion Ratio Lower Upper

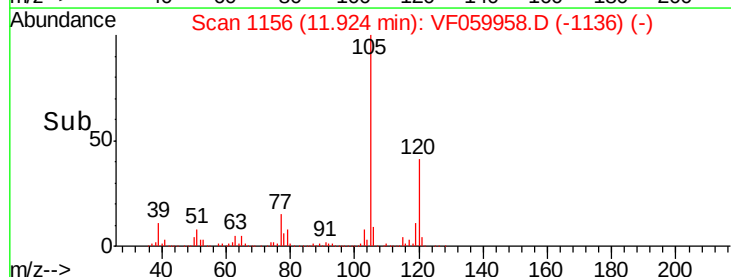
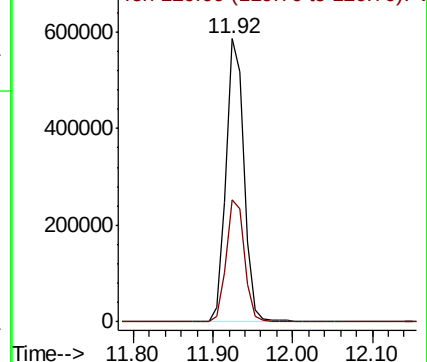
105 100

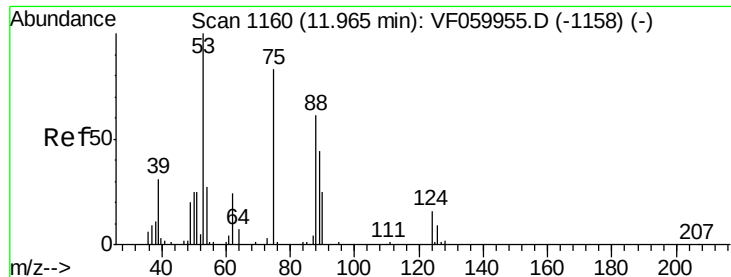
120 43.0 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 150.67 ug/l m

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 70005

Ion Ratio Lower Upper

75 100

53 97.3 97.1 145.7

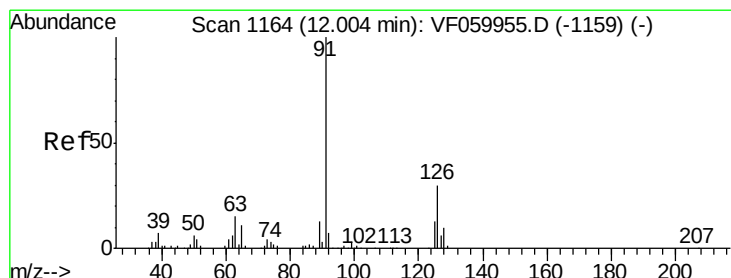
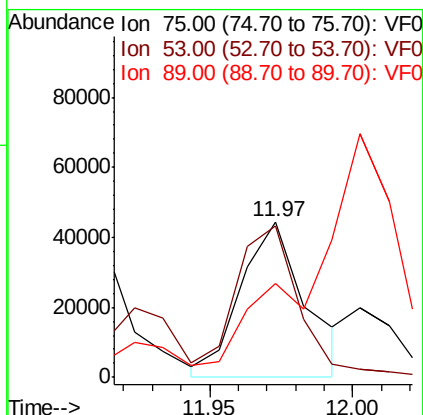
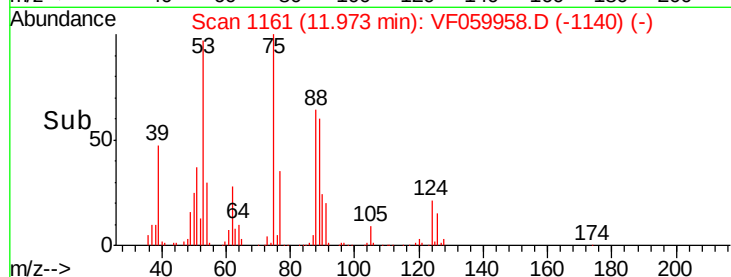
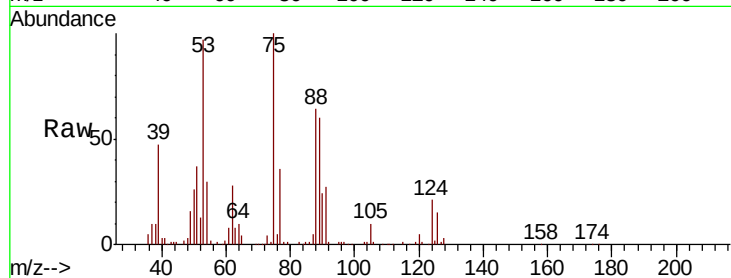
89 60.2 43.6 65.4

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#82

4-Chlorotoluene

Concen: 137.89 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VF059958.D

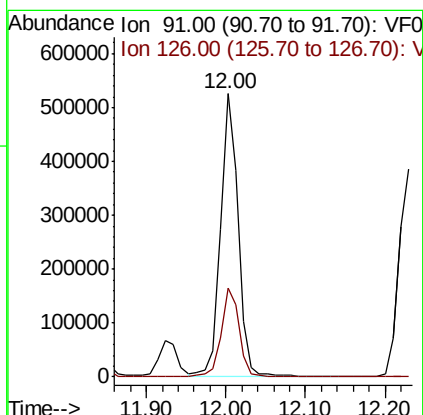
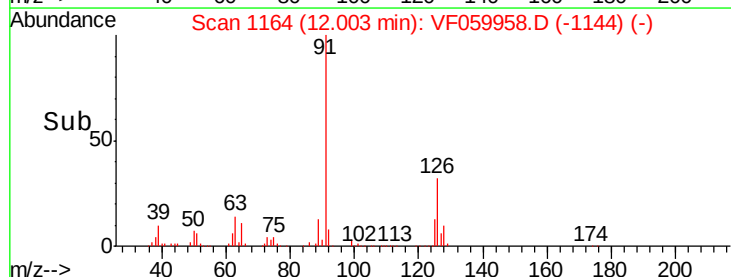
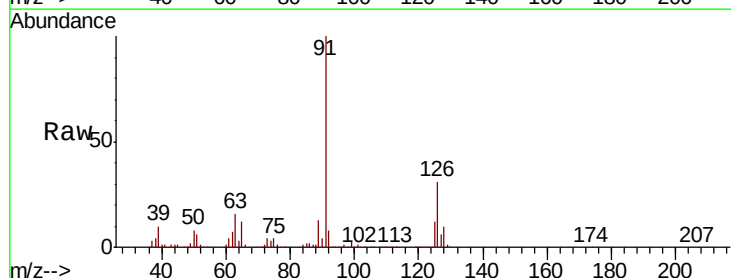
Acq: 14 Aug 2018 21:28

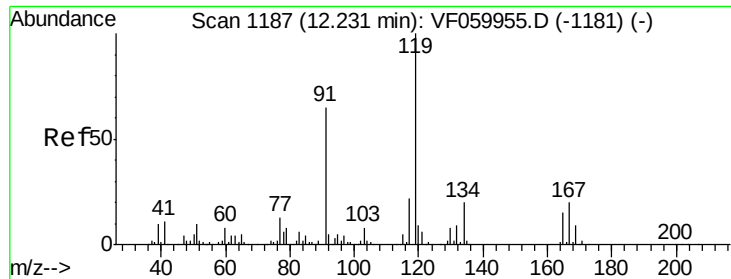
Tgt Ion: 91 Resp: 819849

Ion Ratio Lower Upper

91 100

126 31.5 15.3 45.8





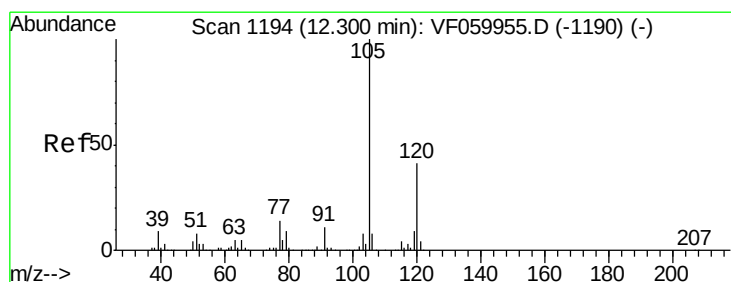
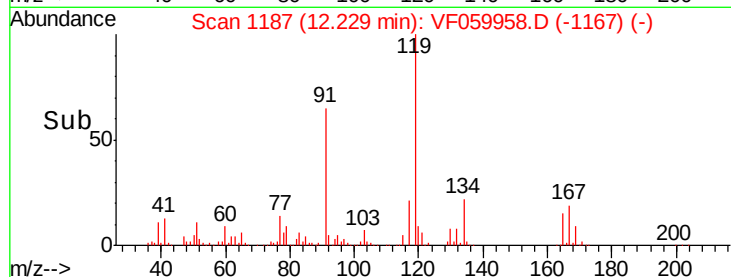
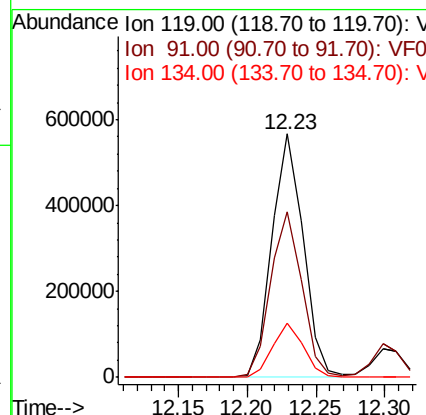
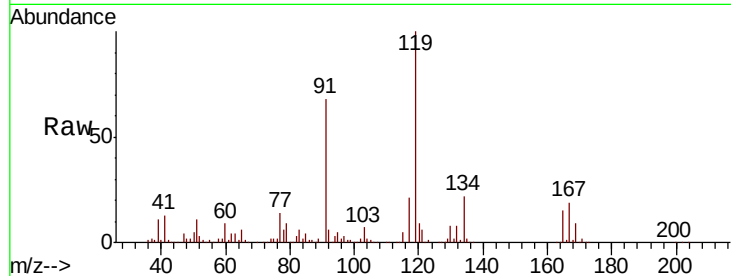
#83
 tert-Butylbenzene
 Concen: 135.53 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	895168		
91	68.1		32.6	98.0
134	22.0		10.1	30.3

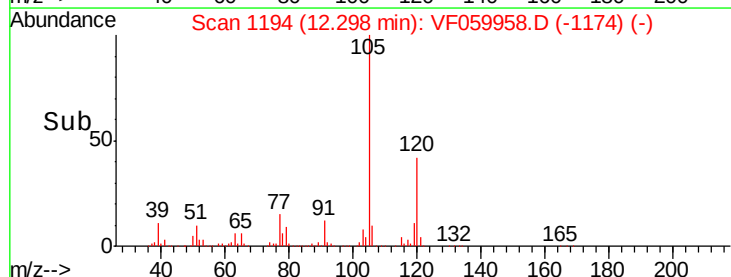
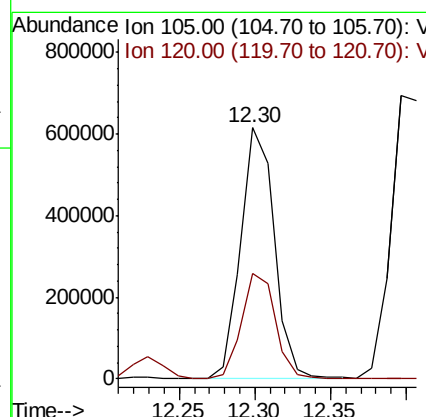
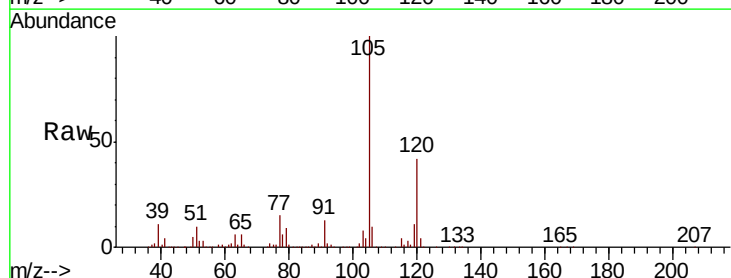
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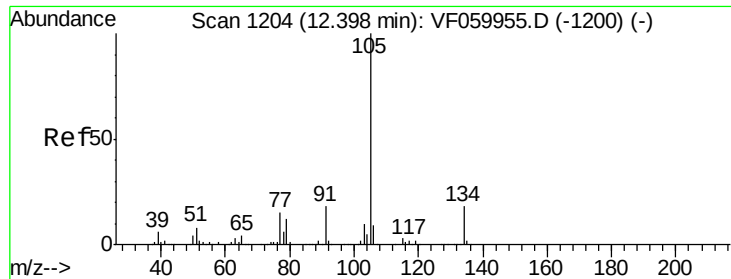
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#84
 1,2,4-Trimethylbenzene
 Concen: 135.80 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	949214		
120	42.0		20.6	61.9





#85

sec-Butylbenzene

Concen: 132.56 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1161004

Ion Ratio Lower Upper

105 100

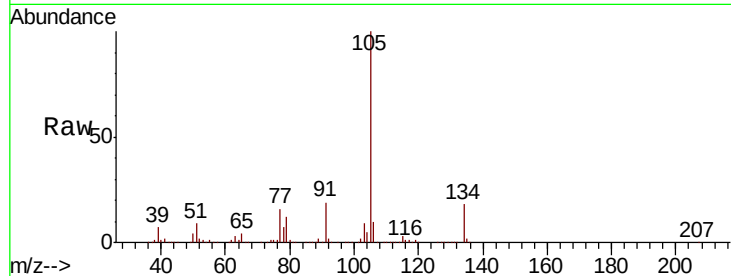
134 18.0 8.9 26.7

Manual Integrations

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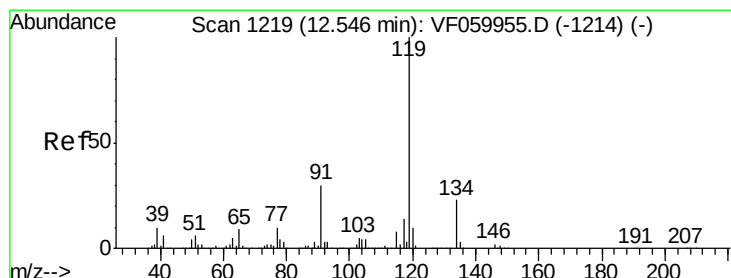
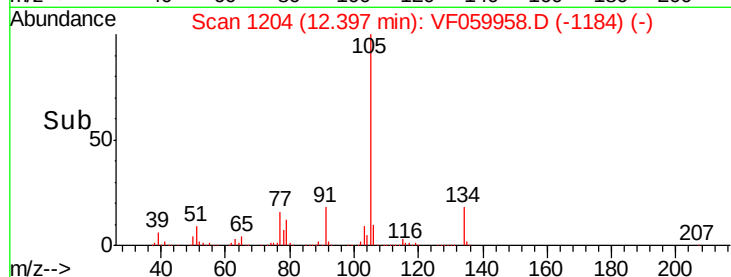
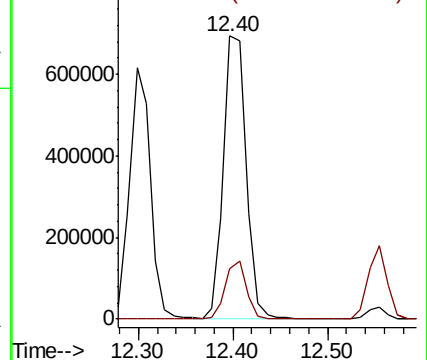
apatel

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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: 141.42 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

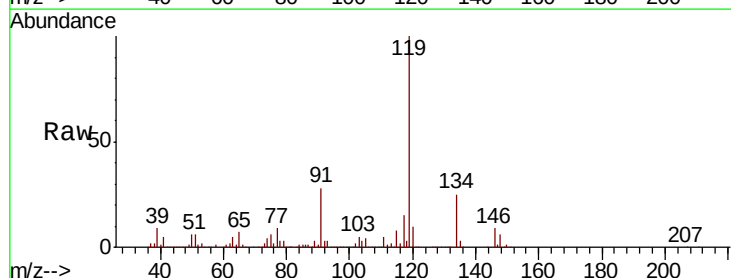
Tgt Ion:119 Resp: 1037753

Ion Ratio Lower Upper

119 100

134 25.0 11.4 34.2

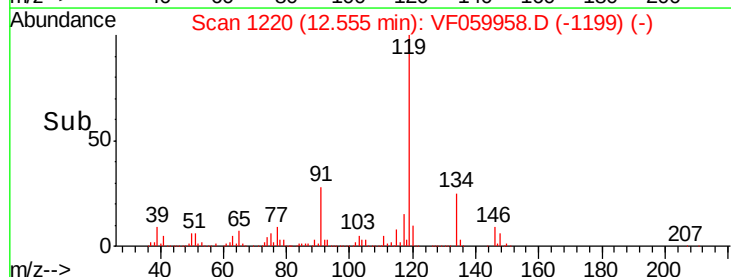
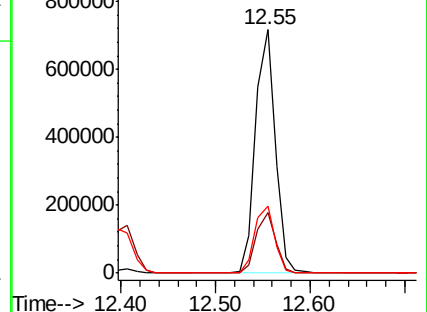
91 27.7 14.8 44.4

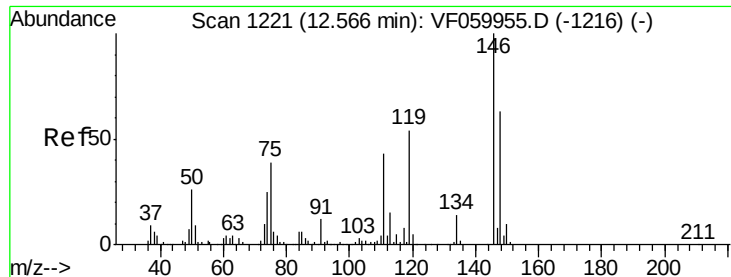


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 129.11 ug/l

RT: 12.57 min Scan# 1222

Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

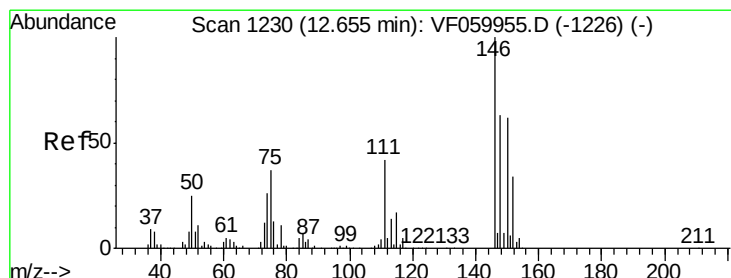
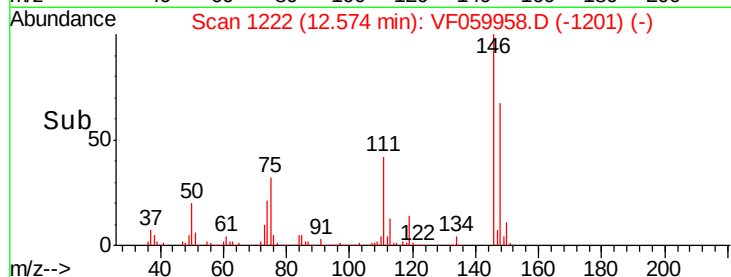
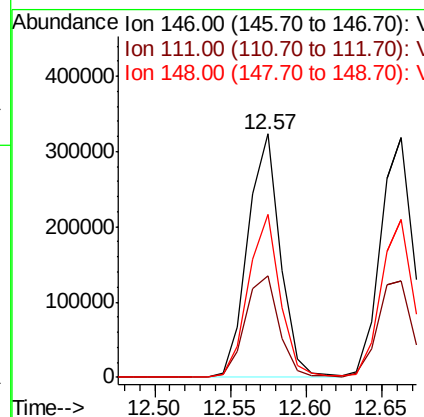
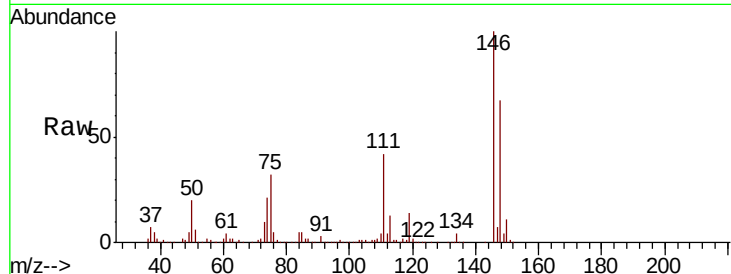
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	484272
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.3	63.9
148	67.1	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 133.10 ug/l

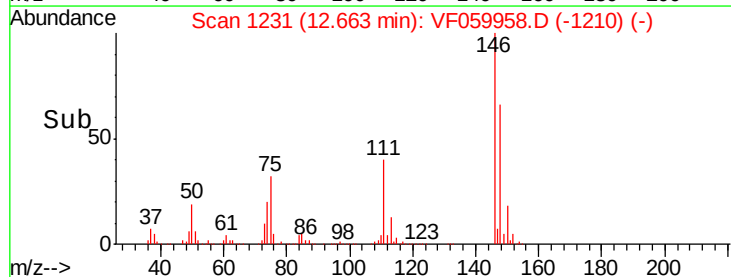
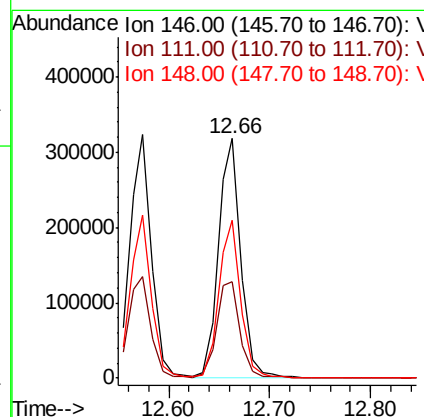
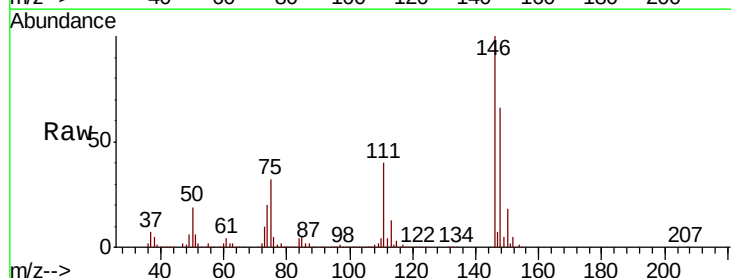
RT: 12.66 min Scan# 1231

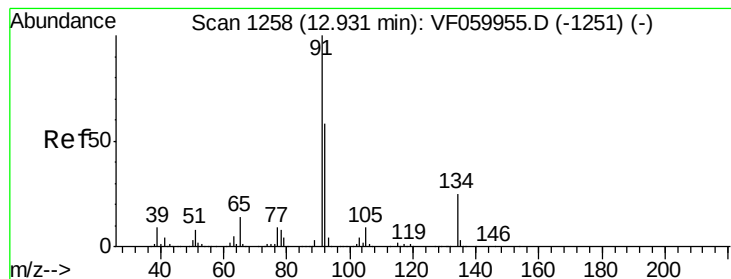
Delta R.T. 0.01 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	146	Resp:	491472
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.1	63.1
148	66.2	31.7	95.1





#89

n-Butylbenzene

Concen: 139.05 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Instrument :

MSVOA_F

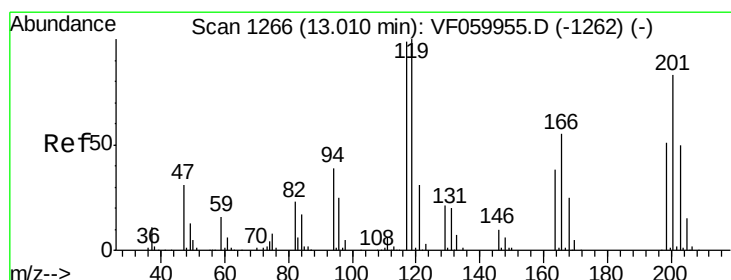
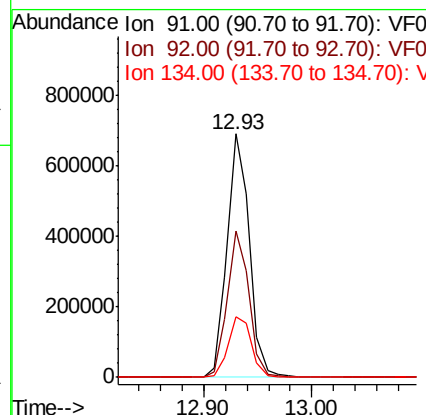
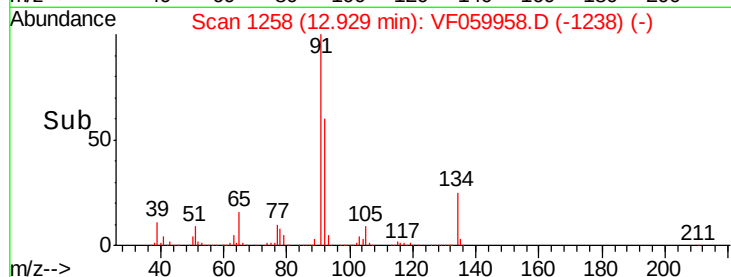
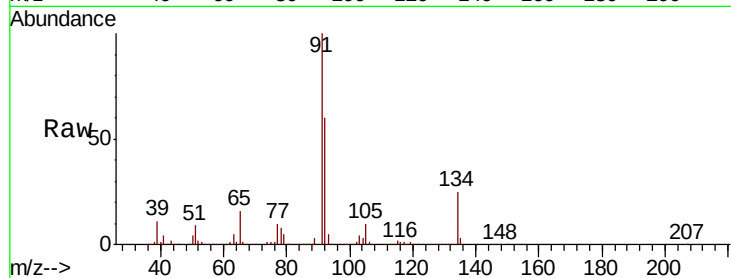
ClientSampleId :

VSTDIC150

Tot Ion:	91	Resp:	984297
Ion Ratio	Lower	Upper	
91	100		
92	59.9	29.2	87.6
134	24.8	12.8	38.3

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#90

Hexachloroethane

Concen: 132.26 ug/l

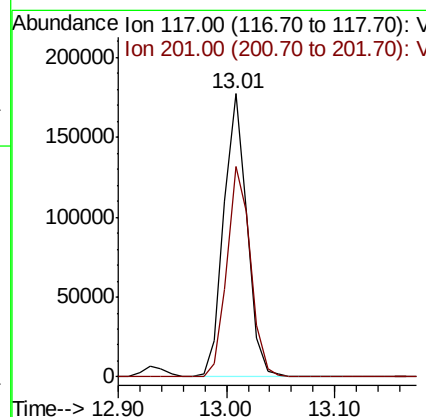
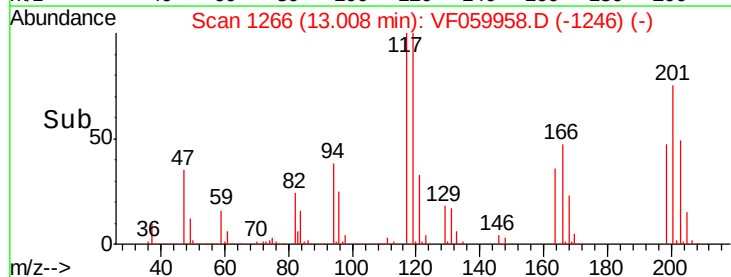
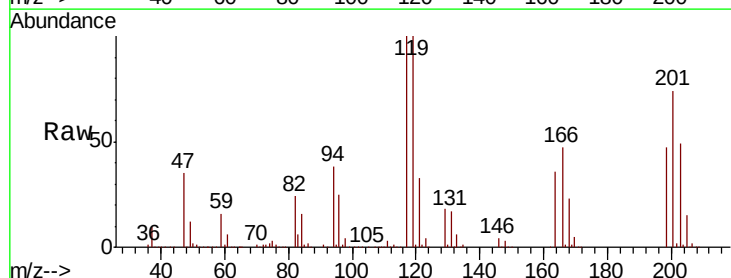
RT: 13.01 min Scan# 1266

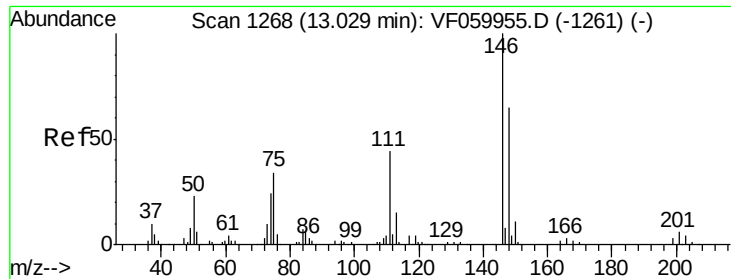
Delta R.T. -0.00 min

Lab File: VF059958.D

Acq: 14 Aug 2018 21:28

Tgt Ion:	117	Resp:	264606
Ion Ratio	Lower	Upper	
117	100		
201	74.4	41.8	125.3





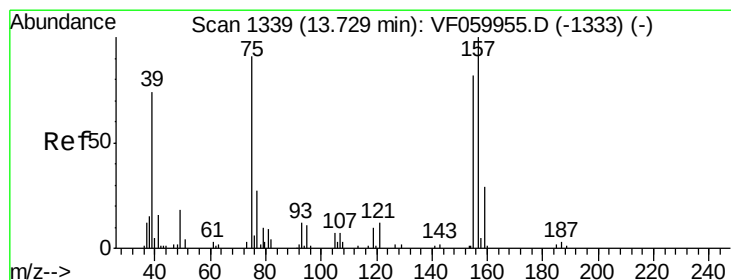
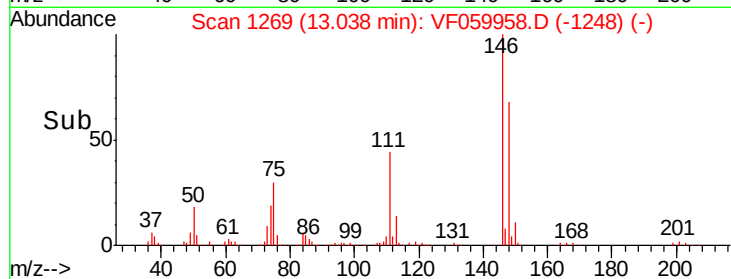
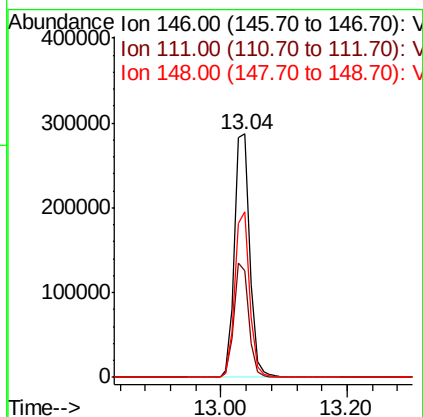
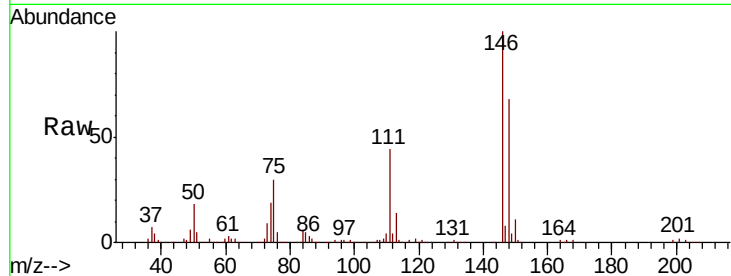
#91
 1,2-Dichlorobenzene
 Concen: 131.66 ug/l
 RT: 13.04 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	473572		
111	43.9	22.0	66.0	
148	68.0	32.4	97.0	

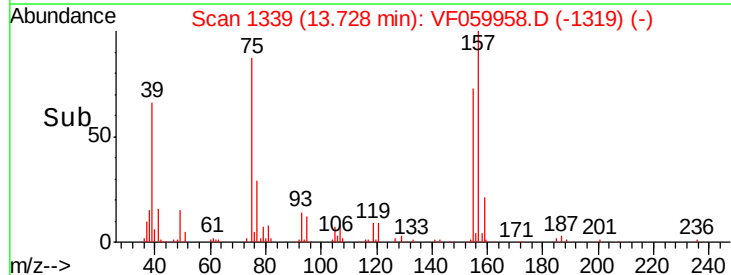
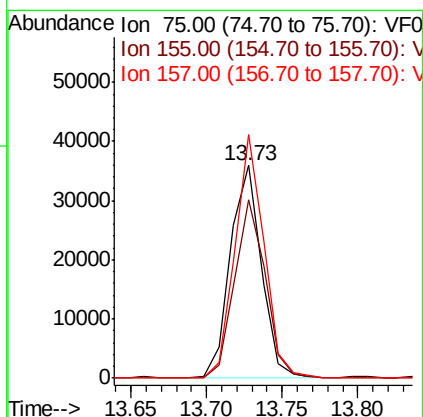
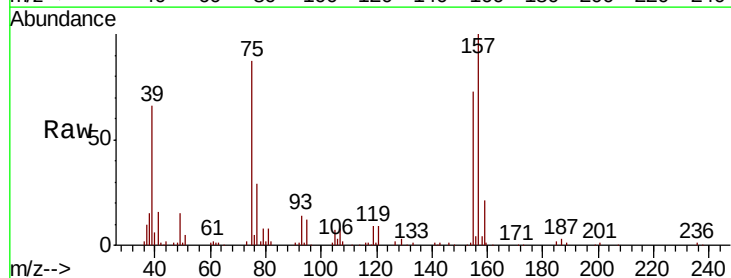
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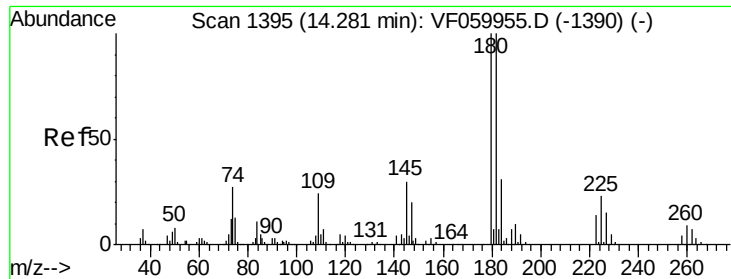
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 150.13 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51307		
155	83.6	44.6	134.0	
157	114.4	54.8	164.3	





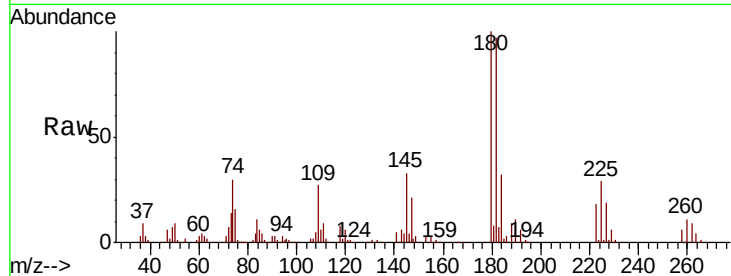
#93
 1,2,4-Trichlorobenzene
 Concen: 138.92 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	50.2	150.7	
145	33.0	14.9	44.9	

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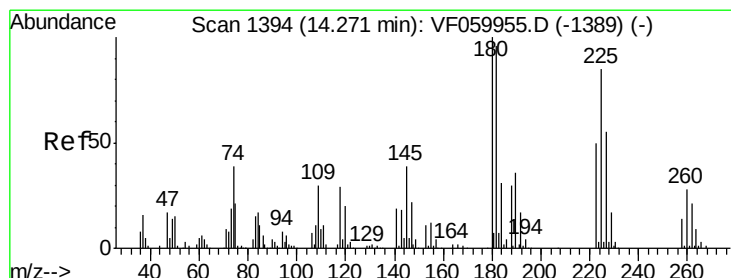
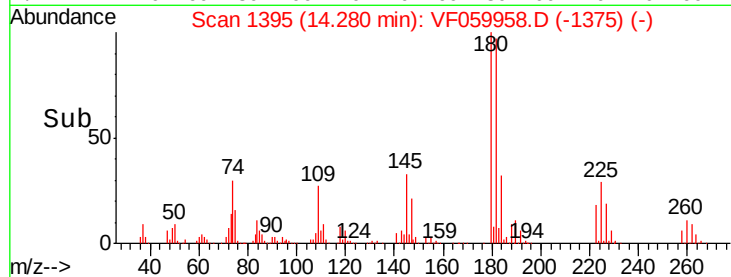
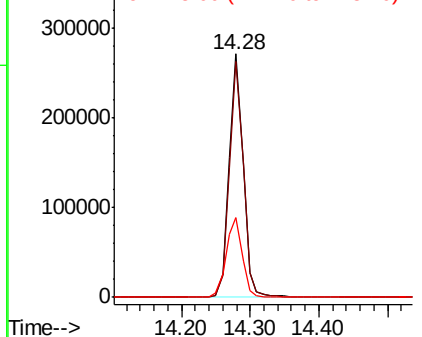


Abundance

Ion 180.00 (179.70 to 180.70): V

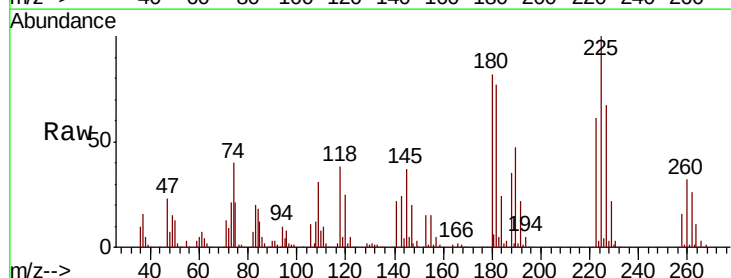
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 137.39 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059958.D
 Acq: 14 Aug 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	29.6	88.8	
227	67.3	32.5	97.5	

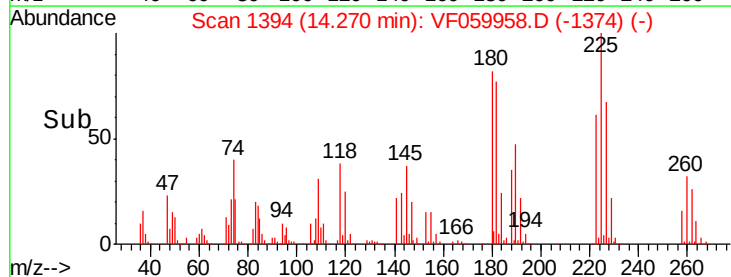
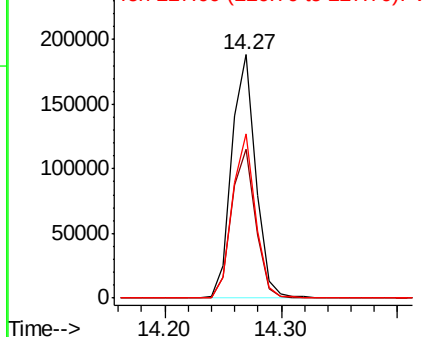


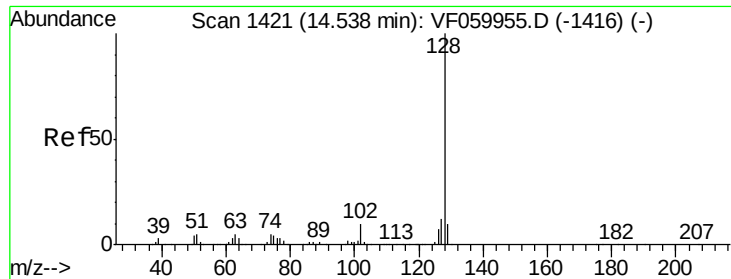
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





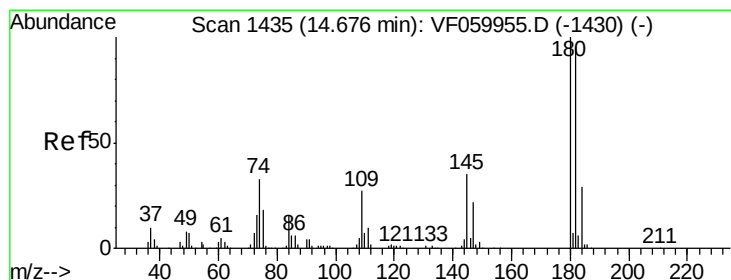
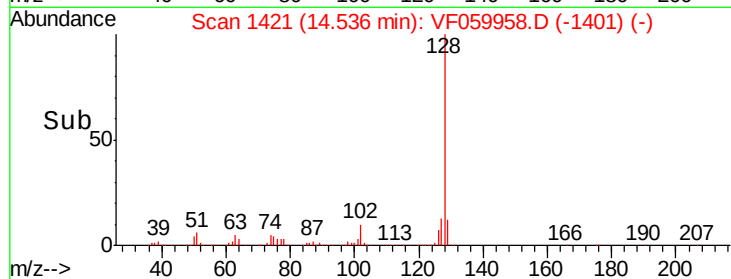
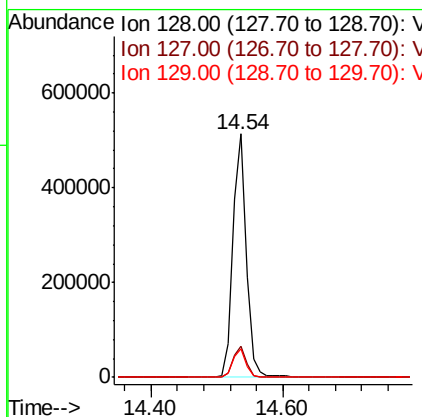
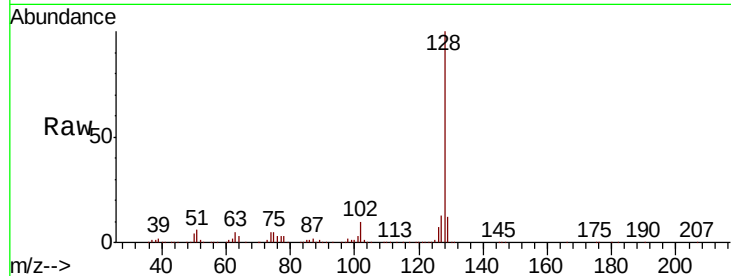
#95
Naphthalene
Concen: 156.08 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		739041		
127	12.7	9.9	14.9		
129	11.6	8.4	12.6		

Manual Integrations
APPROVED

apatel
8/16/2018 12:15:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 143.20 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF059958.D
Acq: 14 Aug 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		387612		
182	97.2	47.5	142.6		
145	30.2	17.6	52.8		

