

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059974.D
 Acq On : 16 Aug 2018 21:58
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:24:32 AM

Quant Time: Aug 17 05:06:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 04:39:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	128191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	191611	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	189121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	129886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	380738	163.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.04%	
35) Dibromofluoromethane	4.30	113	267617	137.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.90%	
50) Toluene-d8	7.72	98	618826	146.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.10%	
62) 4-Bromofluorobenzene	11.51	95	356490	148.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	313694	162.04	ug/l	99
3) Chloromethane	1.07	50	145970	176.79	ug/l	96
4) Vinyl Chloride	1.12	62	174660	178.71	ug/l	92
5) Bromomethane	1.32	94	158651	179.41	ug/l	97
6) Chloroethane	1.39	64	86133	139.31	ug/l	95
7) Trichlorofluoromethane	1.47	101	188865	68.02	ug/l	100
8) Diethyl Ether	1.71	74	91857	220.69	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	243417	169.33	ug/l	94
10) Methyl Iodide	1.92	142	332265	154.81	ug/l	95
11) Tert butyl alcohol	2.72	59	162709	1508.74	ug/l	99
12) 1,1-Dichloroethene	1.82	96	173526	167.46	ug/l	87
13) Acrolein	2.10	56	85066	1519.26	ug/l	96
14) Allyl chloride	2.19	41	287286	185.88	ug/l	99
15) Acrylonitrile	3.08	53	251520	1505.80	ug/l	95
16) Acetone	2.36	43	650871	1212.05	ug/l	98
17) Carbon Disulfide	1.83	76	514768	183.99	ug/l	100
18) Methyl Acetate	2.46	43	263249	314.92	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	651952	204.71	ug/l	98
20) Methylene Chloride	2.28	84	191107	158.43	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	176237	171.44	ug/l	91
22) Diisopropyl ether	2.94	45	688704	193.76	ug/l	99
23) Vinyl Acetate	3.34	43	1659340	968.22	ug/l	99
24) 1,1-Dichloroethane	3.01	63	405463	163.33	ug/l	99
25) 2-Butanone	4.52	43	594887	1179.23	ug/l	99
26) 2,2-Dichloropropane	3.76	77	407571	235.66	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	178458	161.86	ug/l	98
28) Bromochloromethane	3.89	49	120482	138.36	ug/l	89
29) Tetrahydrofuran	4.27	42	223879	1263.71	ug/l	97
30) Chloroform	4.04	83	496973	151.84	ug/l	98
31) Cyclohexane	3.85	56	193046	164.92	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	472300	170.63	ug/l	97
36) 1,1-Dichloropropene	4.46	75	296056	139.48	ug/l	98
37) Ethyl Acetate	4.30	43	232122	224.05	ug/l #	83
38) Carbon Tetrachloride	4.17	117	417761	121.22	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	227274	147.59	ug/l	96
40) Benzene	4.81	78	516450	144.76	ug/l	98
41) Methacrylonitrile	4.93	41	111589	226.27	ug/l	93
42) 1,2-Dichloroethane	5.12	62	451632	153.89	ug/l	99
43) Isopropyl Acetate	7.12	43	275015	243.04	ug/l #	98
44) Trichloroethene	5.68	130	191277	138.29	ug/l	100
45) 1,2-Dichloropropane	6.41	63	152177	157.23	ug/l	98
46) Dibromomethane	6.26	93	171599	174.98	ug/l	96
47) Bromodichloromethane	6.55	83	408602	148.44	ug/l #	99
48) Methyl methacrylate	6.88	41	195444	235.16	ug/l	94
49) 1,4-Dioxane	6.88	88	40043	5969.17	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	1151570	1071.21	ug/l	97
52) Toluene	7.79	92	386793	144.80	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	368062	161.05	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	339863	157.14	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	175622	181.71	ug/l	94
56) Ethyl methacrylate	8.77	69	233414	215.97	ug/l	97
57) 1,3-Dichloropropane	9.01	76	318816	180.07	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	92400	701.59	ug/l	100
59) 2-Hexanone	9.64	43	946129	1170.88	ug/l	95
60) Dibromochloromethane	8.87	129	320488	170.81	ug/l	100
61) 1,2-Dibromoethane	9.14	107	241112	197.15	ug/l	99
64) Tetrachloroethene	8.31	164	210586	143.38	ug/l	98
65) Chlorobenzene	9.95	112	508338	139.29	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	249327	141.64	ug/l	100
67) Ethyl Benzene	10.04	91	943760	146.01	ug/l	98
68) m/p-Xylenes	10.28	106	638279	293.04	ug/l	87
69) o-Xylene	10.83	106	349094	147.84	ug/l	98
70) Styrene	10.91	104	526557	148.63	ug/l	98
71) Bromoform	10.89	173	225792	194.32	ug/l #	96
73) Isopropylbenzene	11.24	105	1087274	135.39	ug/l	100
74) N-amyl acetate	11.47	43	421813	216.71	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	264853	182.15	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	239291	189.79	ug/l	98
77) Bromobenzene	11.60	156	301886	140.75	ug/l	95
78) n-propylbenzene	11.69	91	1257363	132.83	ug/l	99
79) 2-Chlorotoluene	11.82	91	774653	130.21	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	959304	128.16	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	111188m	210.84	ug/l	
82) 4-Chlorotoluene	12.00	91	892495	135.55	ug/l	97
83) tert-Butylbenzene	12.22	119	894399	122.08	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1008828	134.07	ug/l	100
85) sec-Butylbenzene	12.39	105	1156814	124.10	ug/l	96
86) p-Isopropyltoluene	12.55	119	1059242	128.52	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	530034	131.00	ug/l	94
88) 1,4-Dichlorobenzene	12.66	146	551493	138.83	ug/l	96
89) n-Butylbenzene	12.92	91	1024092	128.40	ug/l	96
90) Hexachloroethane	13.00	117	255783	126.53	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	541578	136.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	91346	222.78	ug/l	87

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Quant Title : SW846 8260
QLast Update : Fri Aug 17 04:39:04 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	412209	130.84	ug/l	98
94) Hexachlorobutadiene	14.26	225	264718	119.69	ug/l	98
95) Naphthalene	14.53	128	926946	175.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	436280	143.99	ug/l	98

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

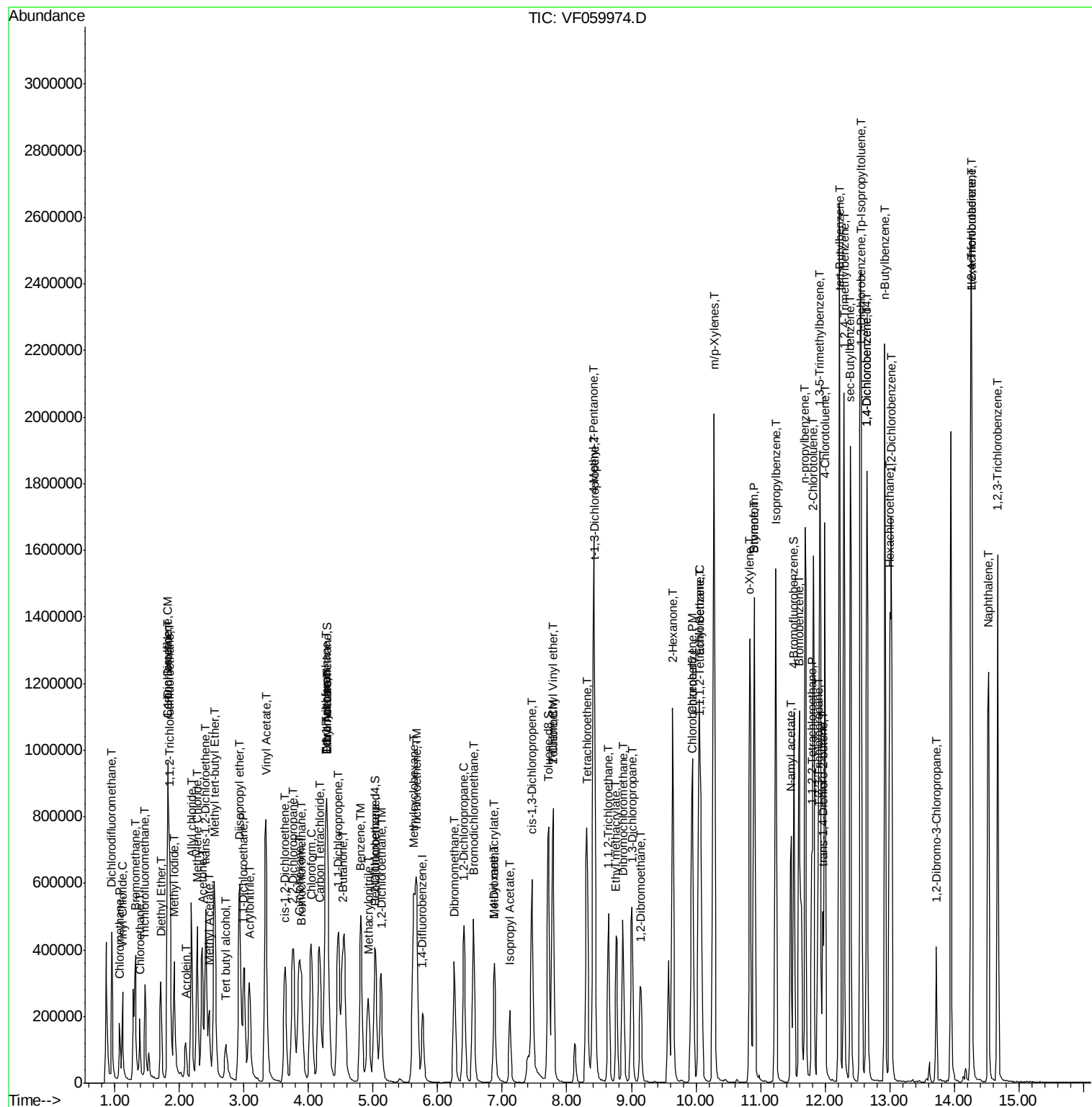
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059974.D
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 Operator : VA/AP
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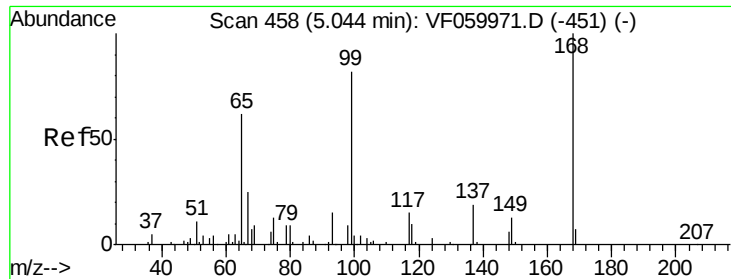
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

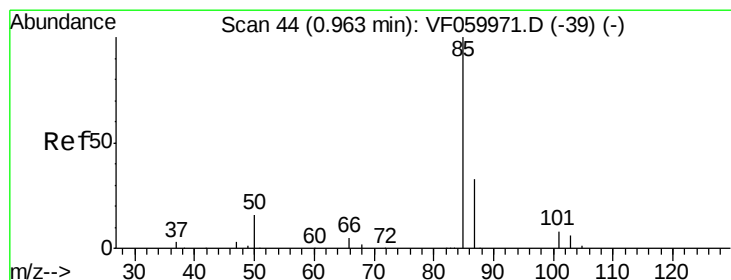
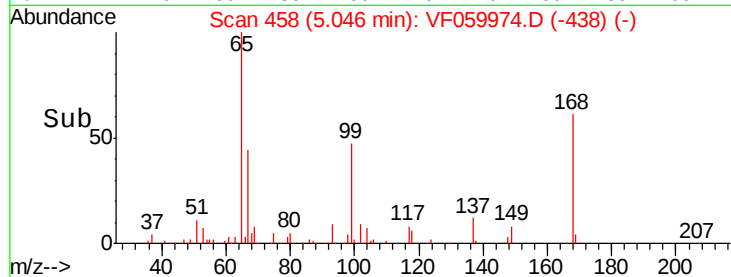
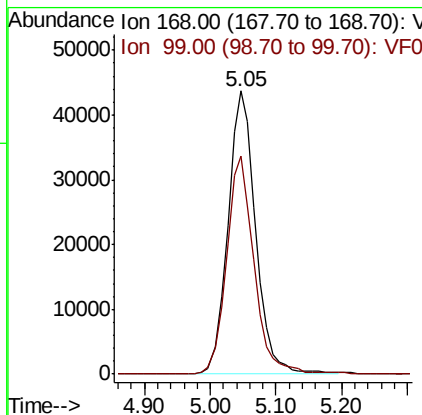
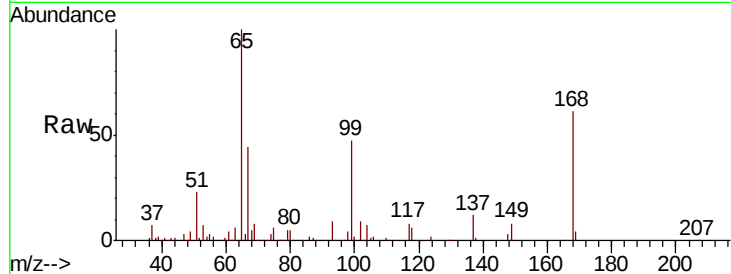
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	77.0	65.7	98.5

Manual Integrations
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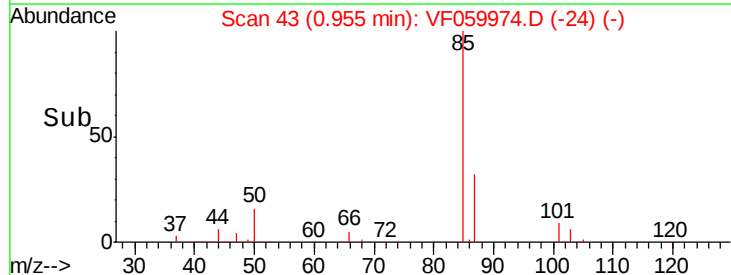
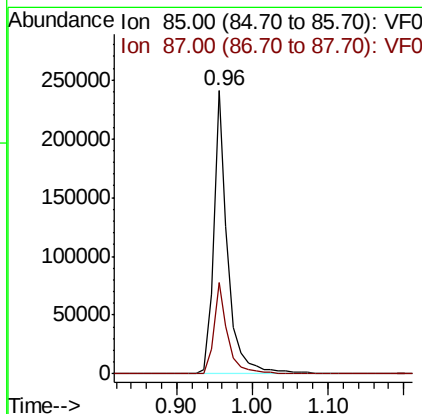
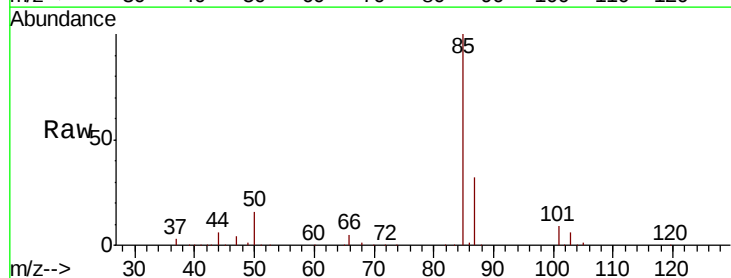
apatel
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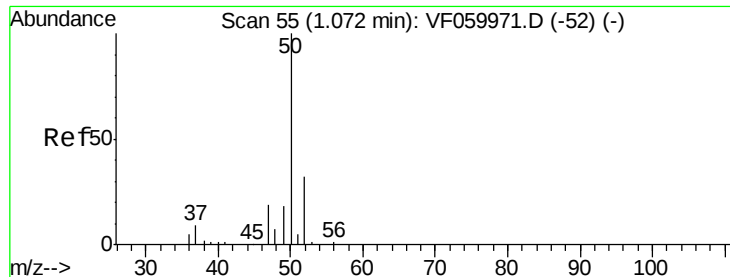


#2

Dichlorodifluoromethane
 Concen: 162.04 ug/l
 RT: 0.96 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.4





#3

Chloromethane

Concen: 176.79 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 145970

Ion Ratio Lower Upper

50 100

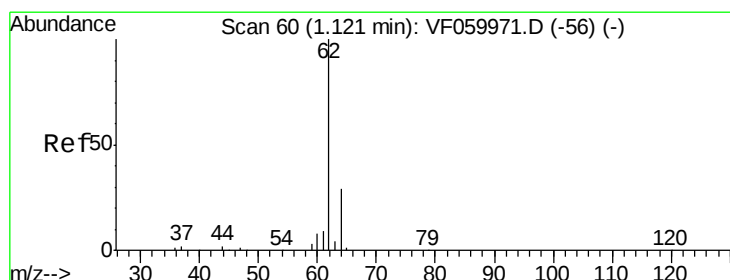
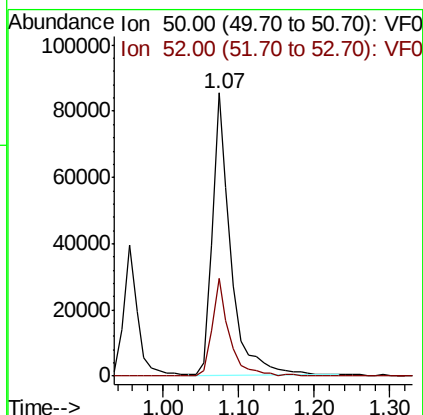
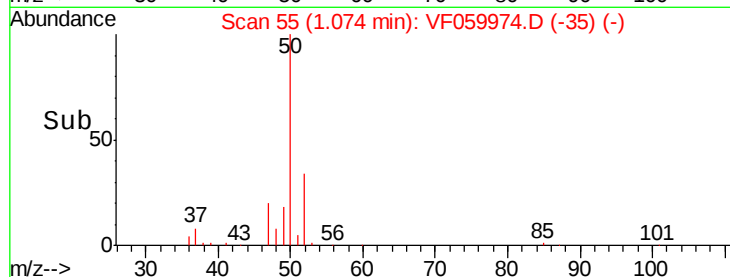
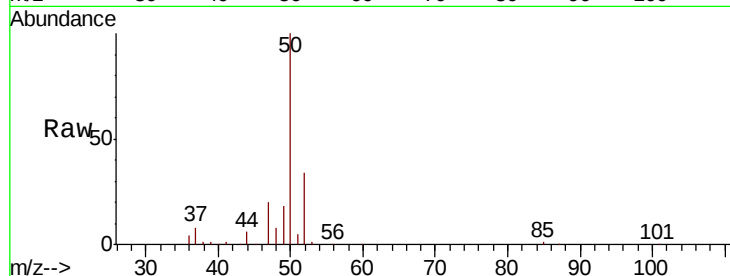
52 34.4 25.7 38.5

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#4

Vinyl Chloride

Concen: 178.71 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059974.D

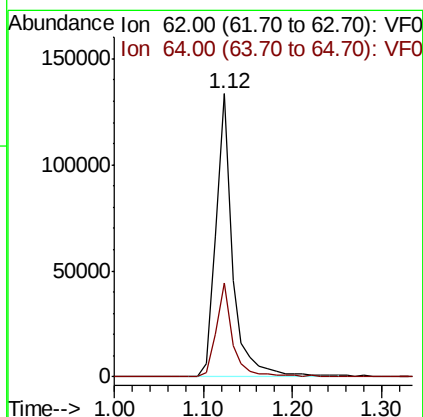
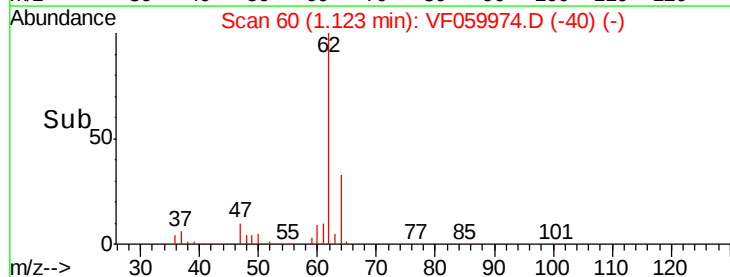
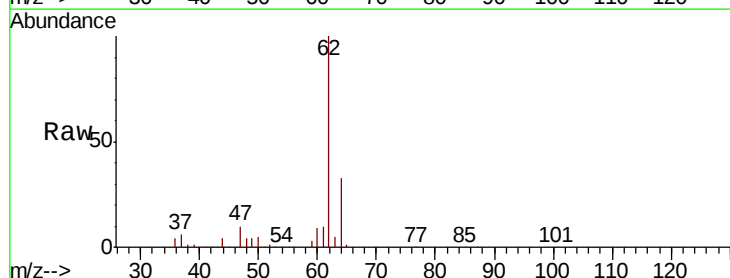
Acq: 16 Aug 2018 21:58

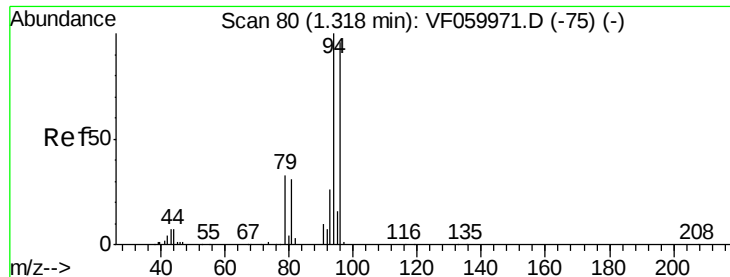
Tgt Ion: 62 Resp: 174660

Ion Ratio Lower Upper

62 100

64 33.3 23.1 34.7





#5

Bromomethane

Concen: 179.41 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 158651

Ion Ratio Lower Upper

94 100

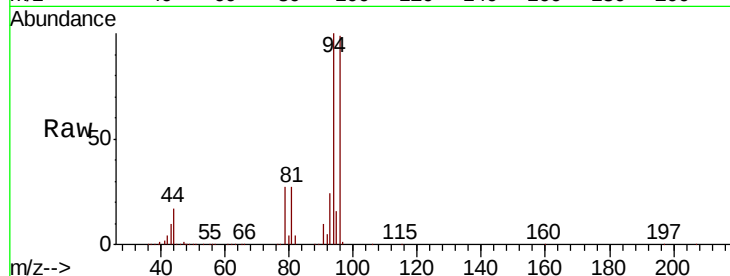
96 98.6 76.7 115.1

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

120000

100000

80000

60000

40000

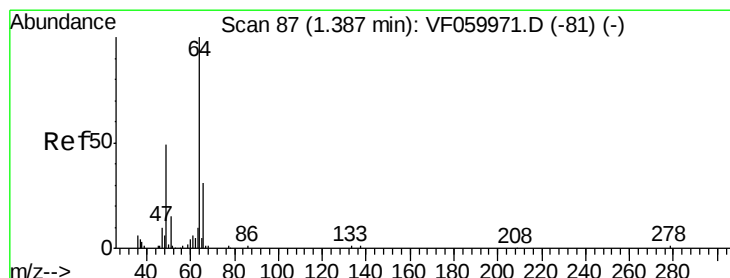
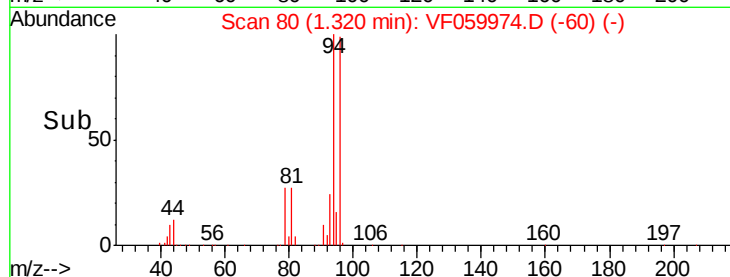
20000

0

1.32

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 139.31 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059974.D

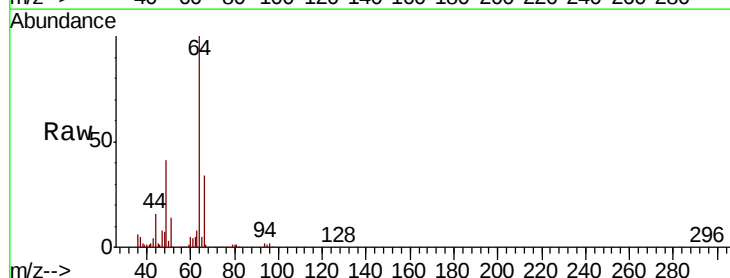
Acq: 16 Aug 2018 21:58

Tgt Ion: 64 Resp: 86133

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

80000

60000

40000

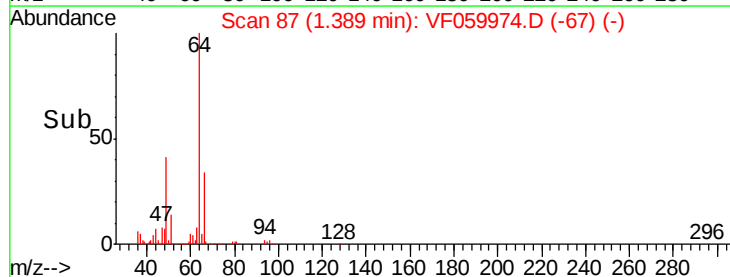
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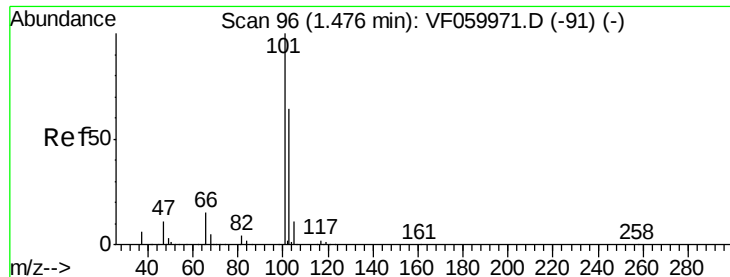
0

1.39

1.30 1.40 1.50

Time-->





#7

Trichlorofluoromethane

Concen: 68.02 ug/l

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 188865

Ion Ratio Lower Upper

101 100

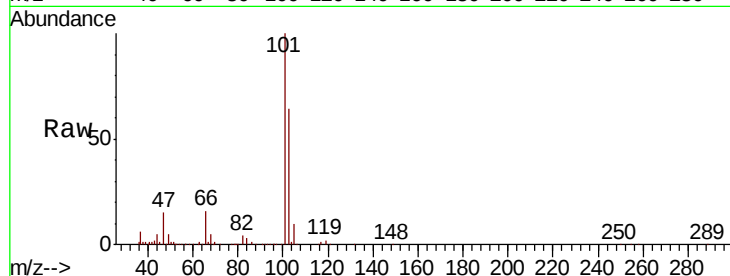
103 63.5 50.9 76.3

Manual Integrations

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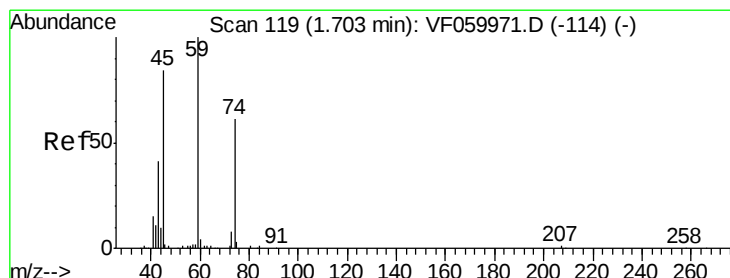
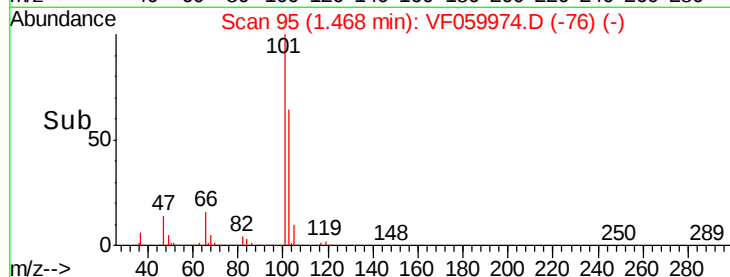
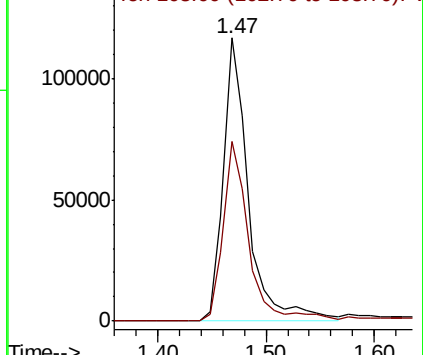
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 220.69 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF059974.D

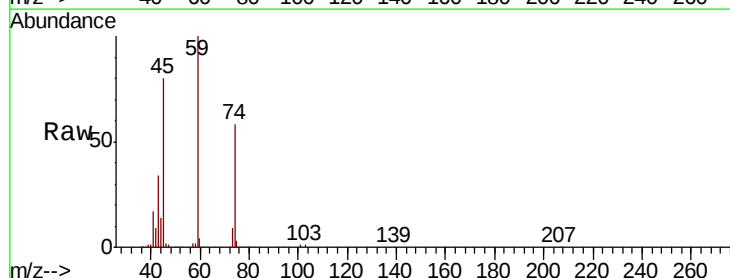
Acq: 16 Aug 2018 21:58

Tgt Ion: 74 Resp: 91857

Ion Ratio Lower Upper

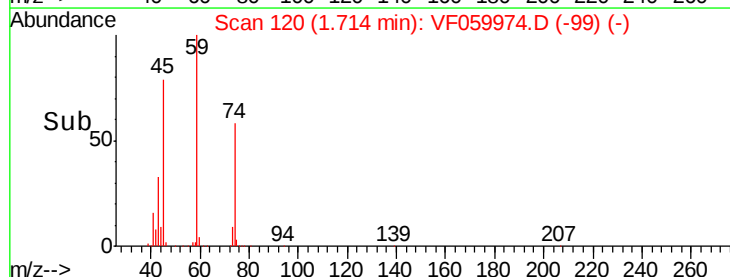
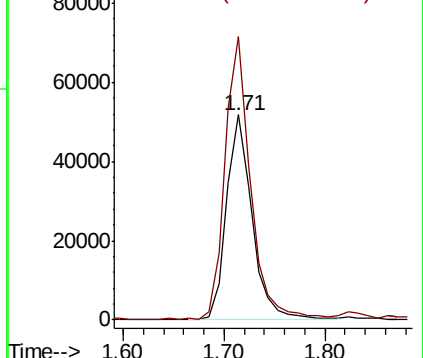
74 100

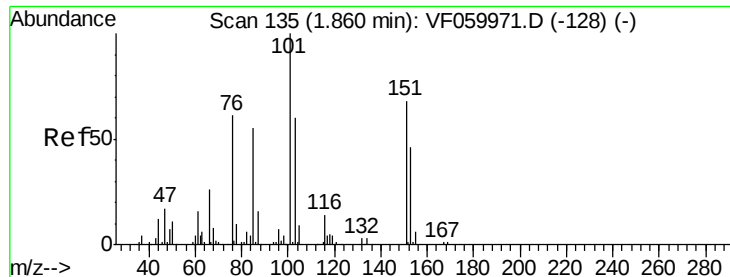
45 138.1 69.8 209.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 169.33 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

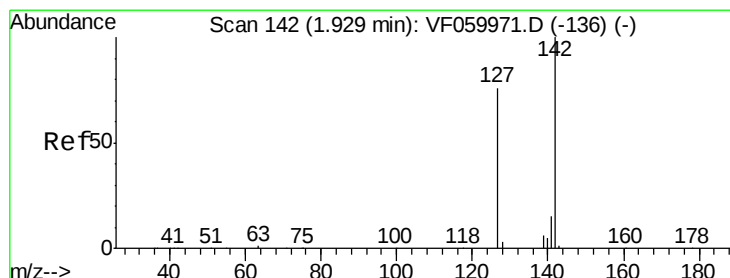
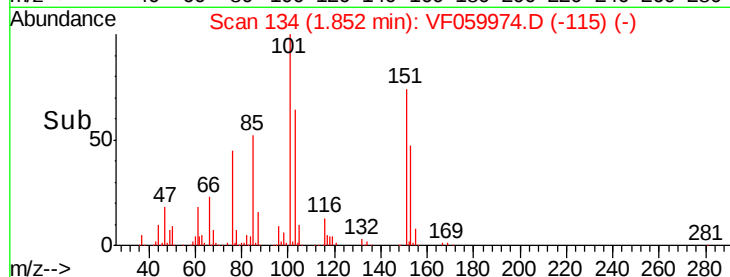
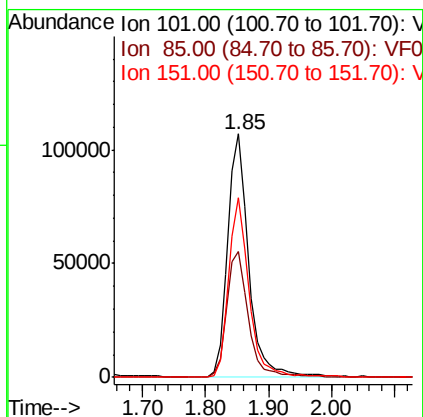
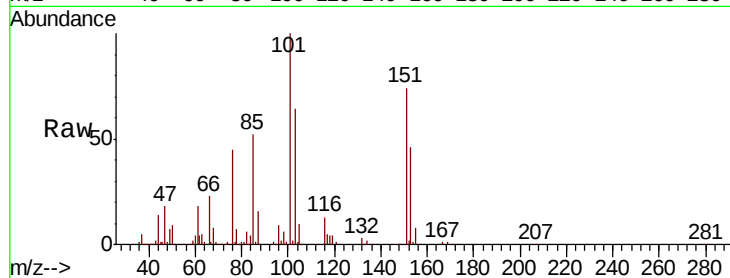
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	243417
Ion Ratio	Lower	Upper	
101	100		
85	51.6	44.2	66.4
151	73.7	54.5	81.7

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#10

Methyl Iodide

Concen: 154.81 ug/l

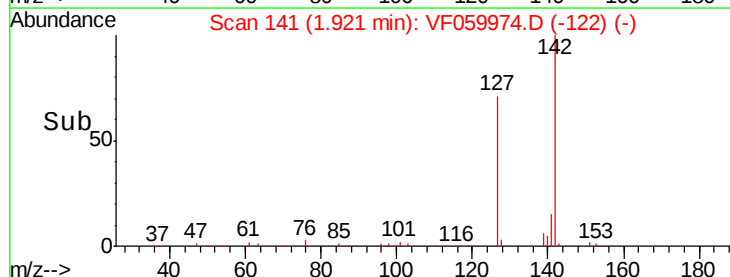
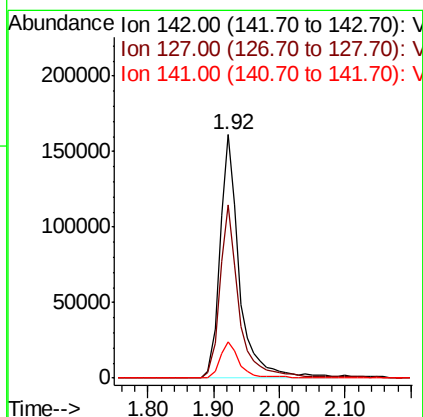
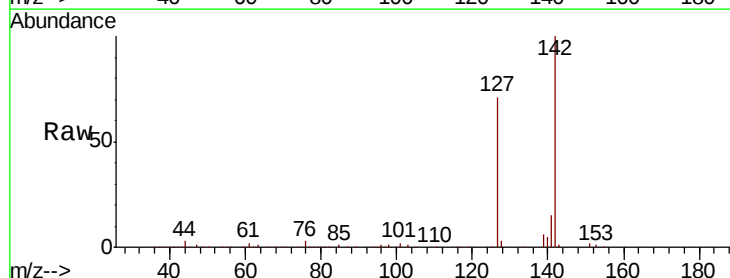
RT: 1.92 min Scan# 141

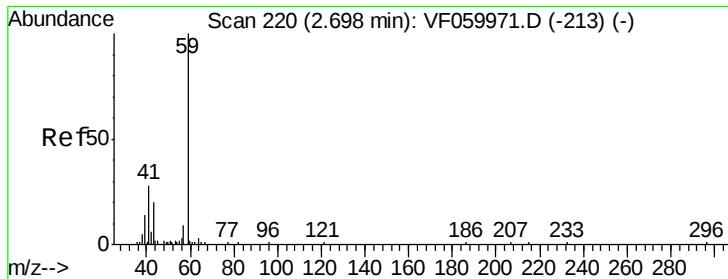
Delta R.T. -0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	142	Resp:	332265
Ion Ratio	Lower	Upper	
142	100		
127	70.9	61.0	91.6
141	15.0	12.1	18.1





#11

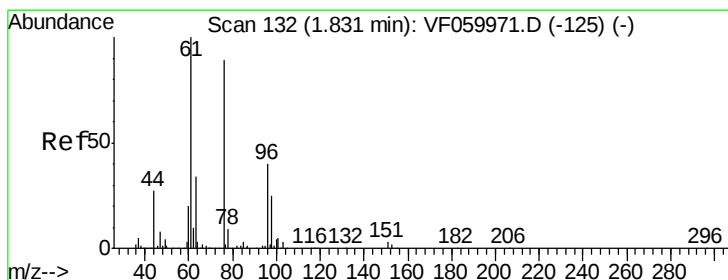
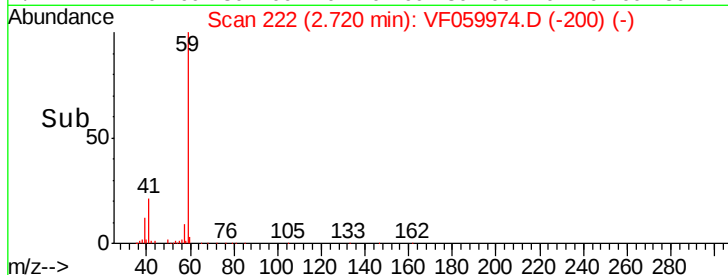
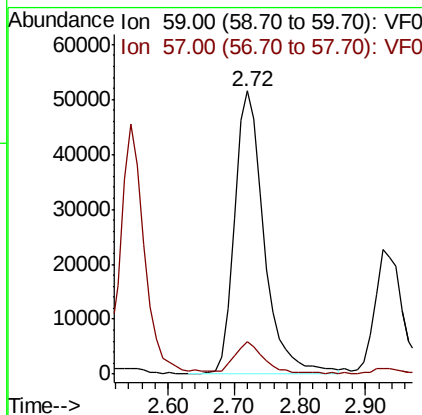
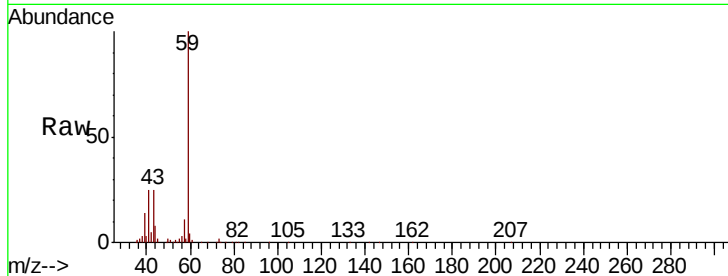
Tert butyl alcohol
Concen: 1508.74 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.8	13.2

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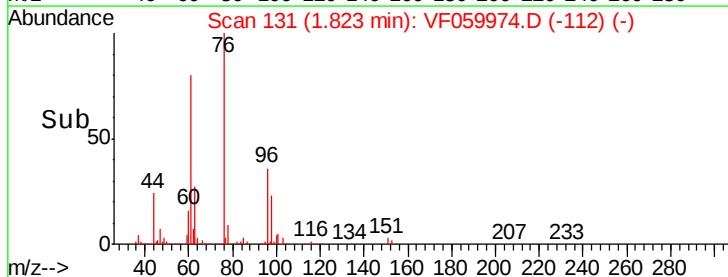
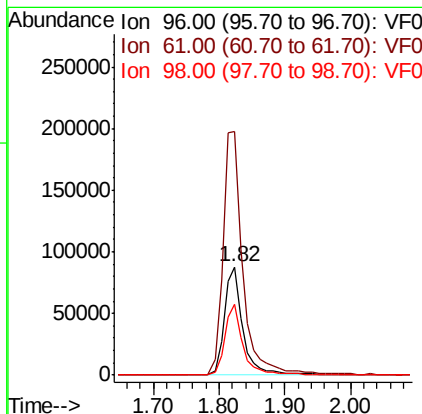
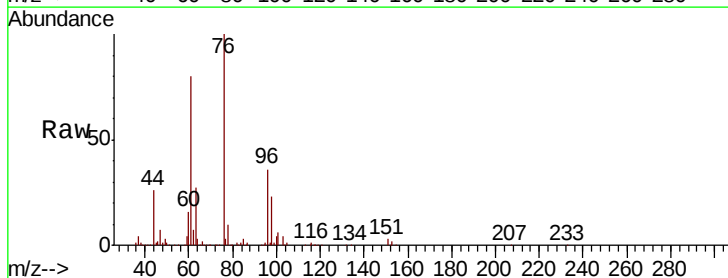
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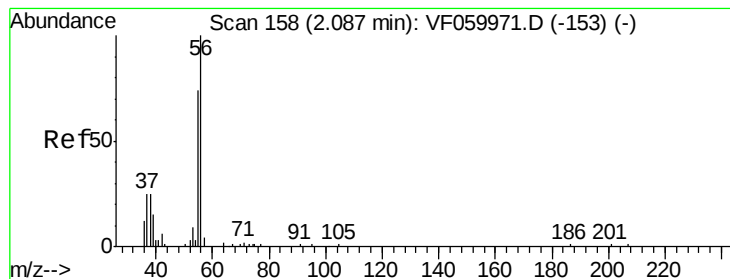


#12

1,1-Dichloroethene
Concen: 167.46 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	224.3	200.0	300.0
98	65.2	49.8	74.8





#13

Acrolein

Concen: 1519.26 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 85066

Ion Ratio Lower Upper

56 100

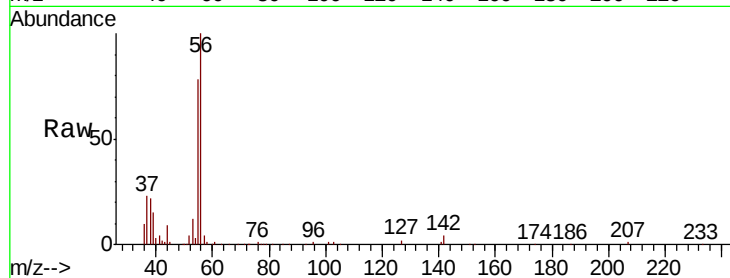
55 77.6 59.2 88.8

Manual Integrations

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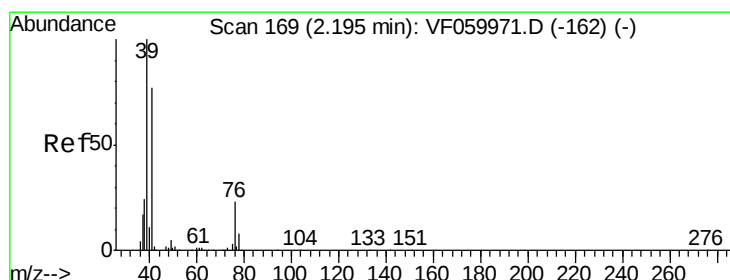
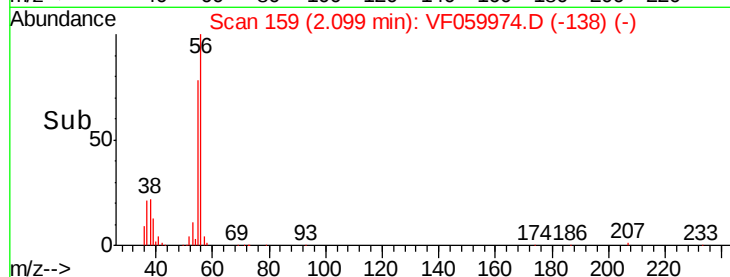
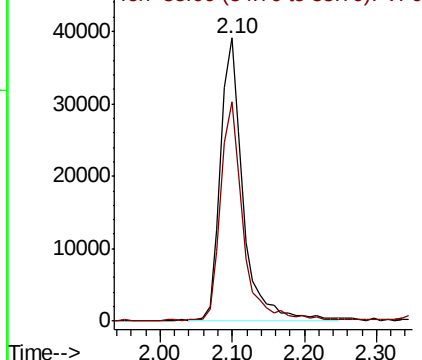
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 185.88 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

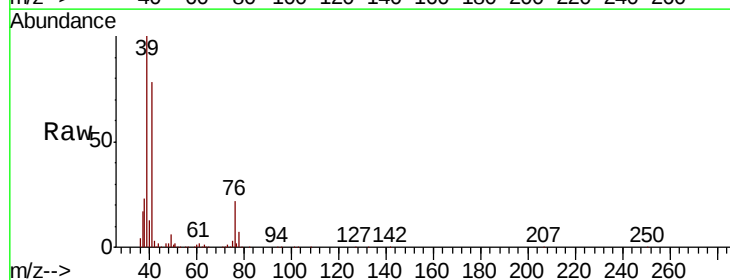
Tgt Ion: 41 Resp: 287286

Ion Ratio Lower Upper

41 100

39 128.4 103.6 155.4

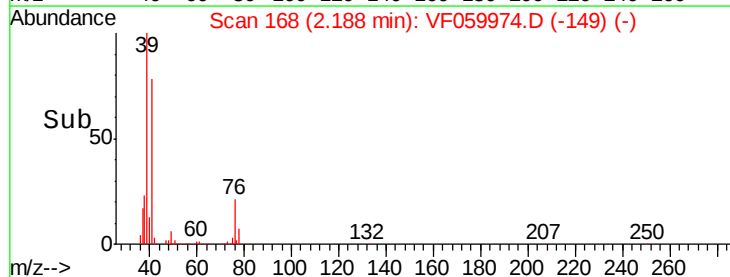
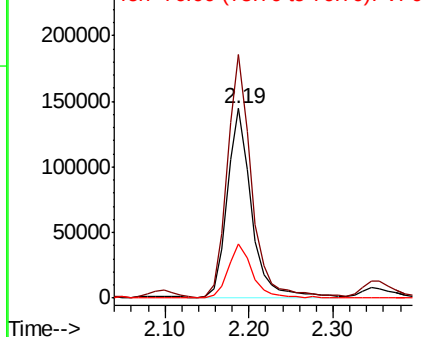
76 28.3 23.5 35.3

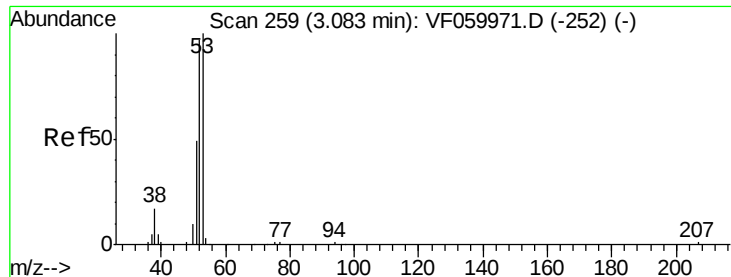


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 1505.80 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

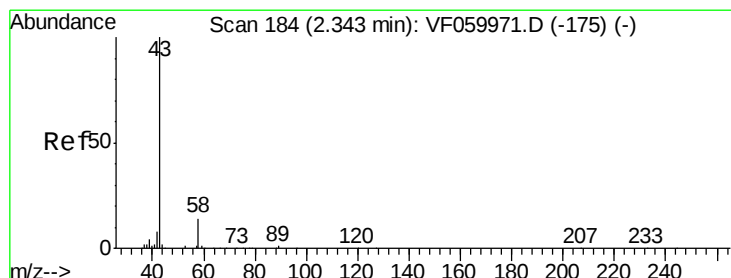
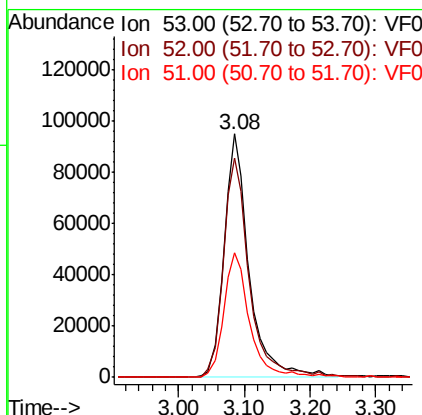
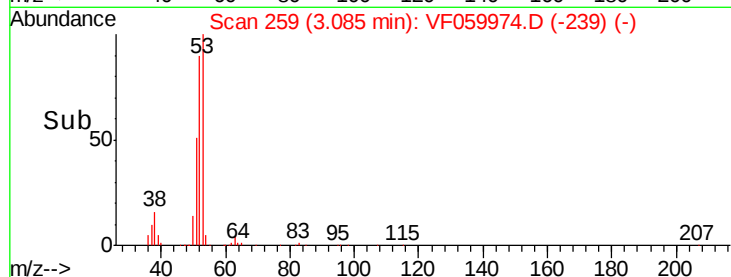
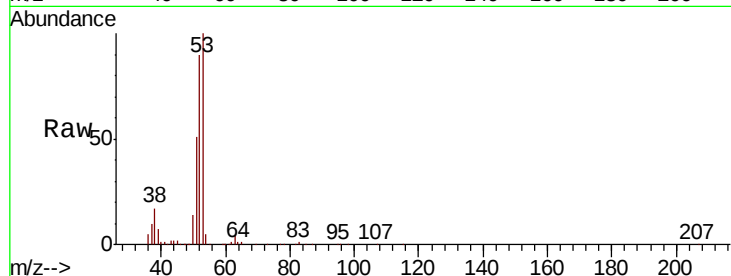
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	251520
Ion	Ratio	Lower	Upper
53	100		
52	90.1	77.6	116.4
51	51.2	40.2	60.2

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#16

Acetone

Concen: 1212.05 ug/l

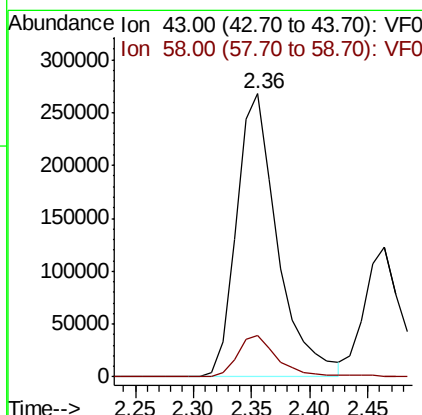
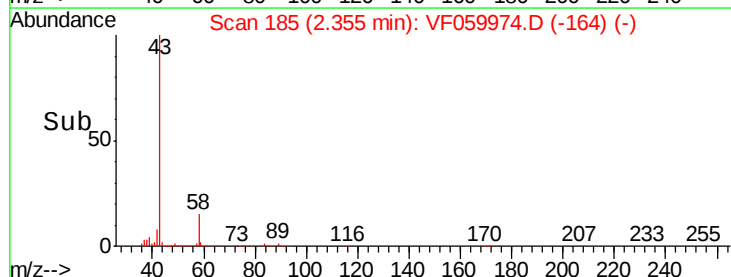
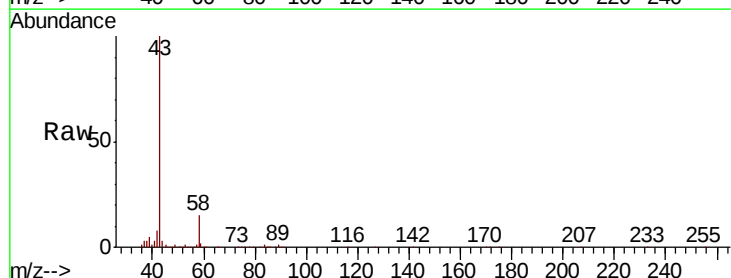
RT: 2.36 min Scan# 185

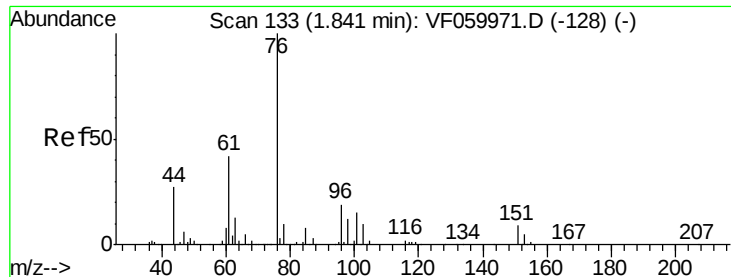
Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	43	Resp:	650871
Ion	Ratio	Lower	Upper
43	100		
58	14.6	11.1	16.7





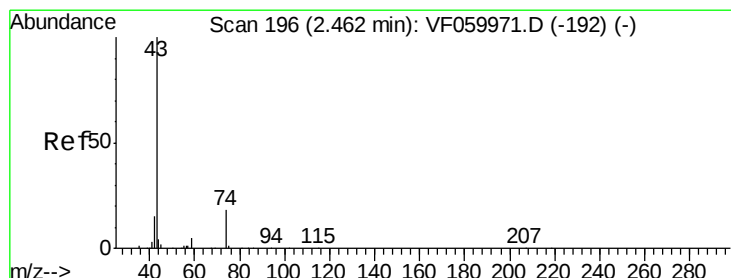
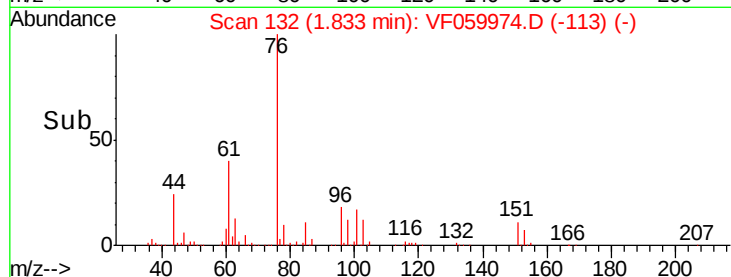
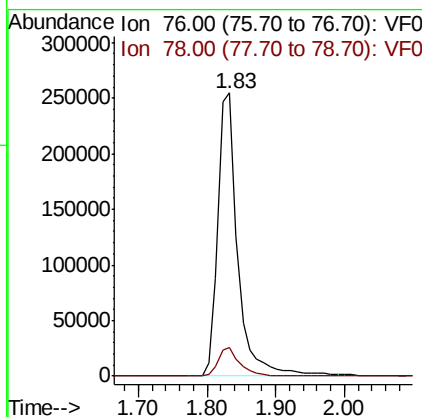
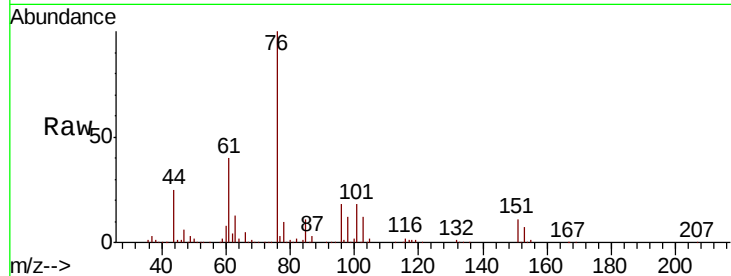
#17
Carbon Disulfide
Concen: 183.99 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.0	12.0

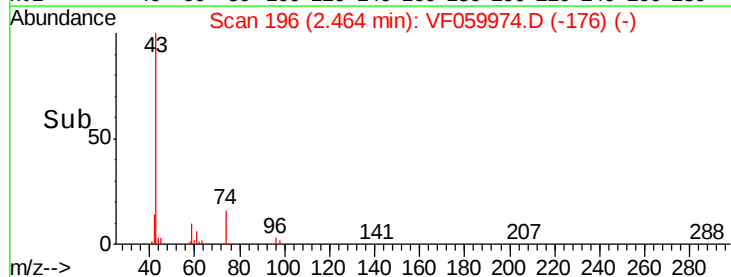
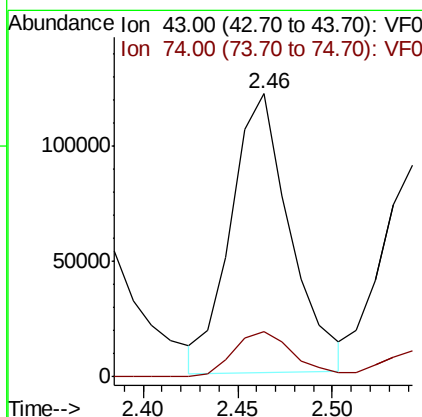
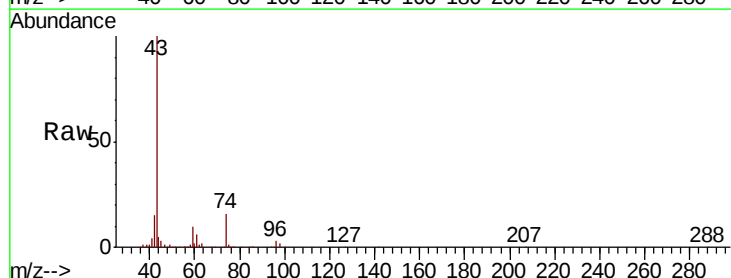
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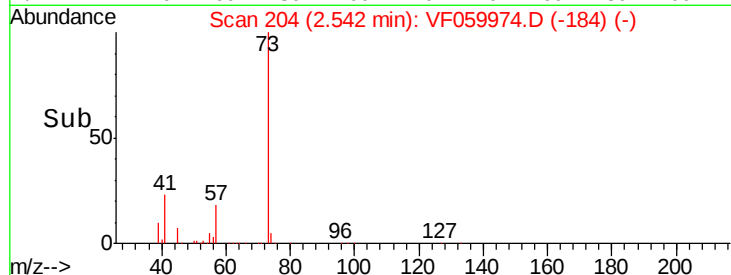
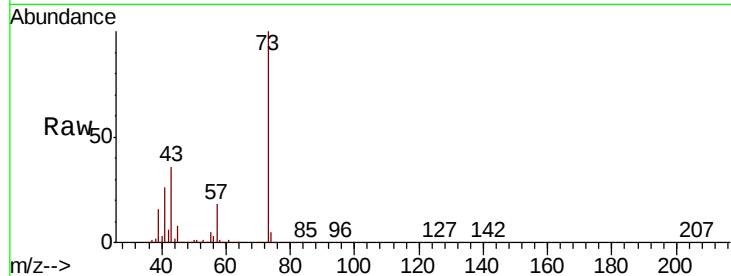
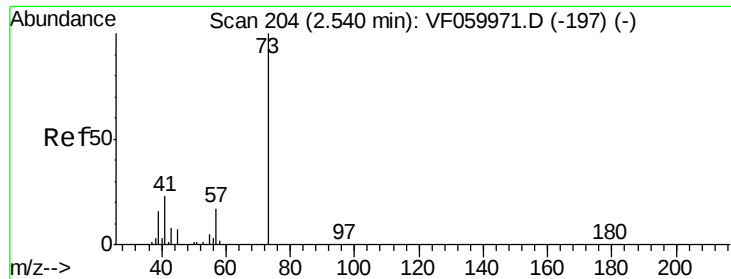
apatel
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#18
Methyl Acetate
Concen: 314.92 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.1	13.2	19.8





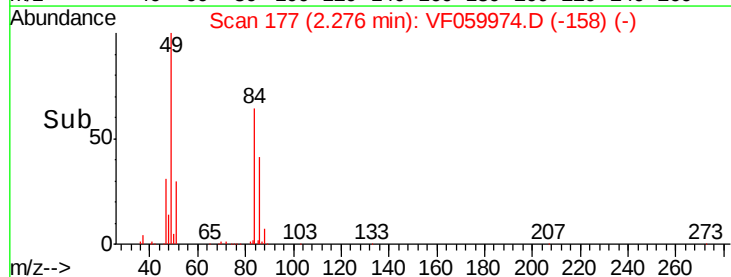
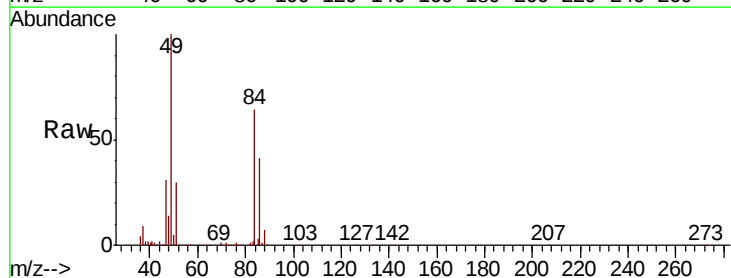
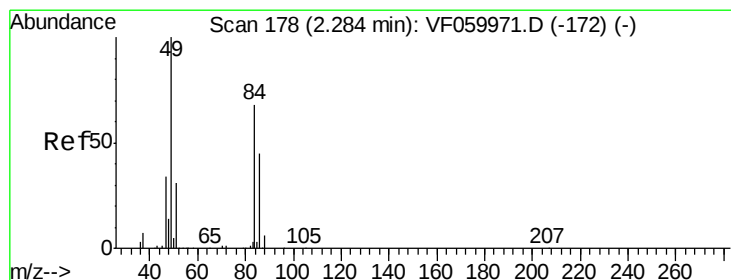
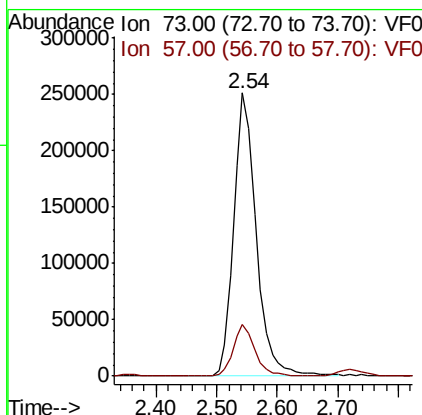
#19
Methvl tert-butvl Ether
Concen: 204.71 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tot Ion: 73 Resp: 651952
Ion Ratio Lower Upper
73 100
57 18.1 13.7 20.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

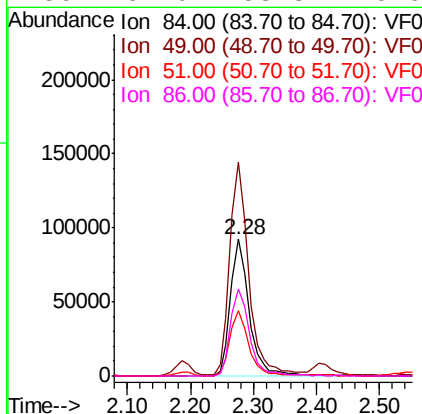
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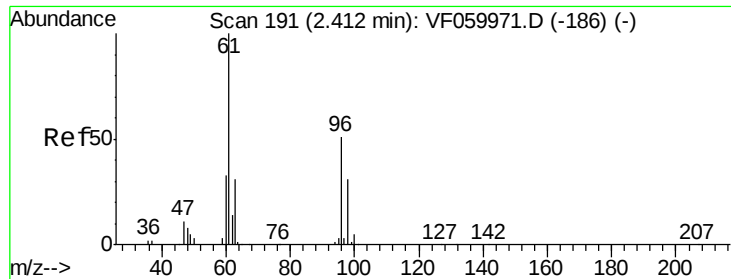
apatel
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#20
Methylene Chloride
Concen: 158.43 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion: 84 Resp: 191107
Ion Ratio Lower Upper
84 100
49 156.6 118.2 177.2
51 47.7 36.3 54.5
86 64.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 171.44 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

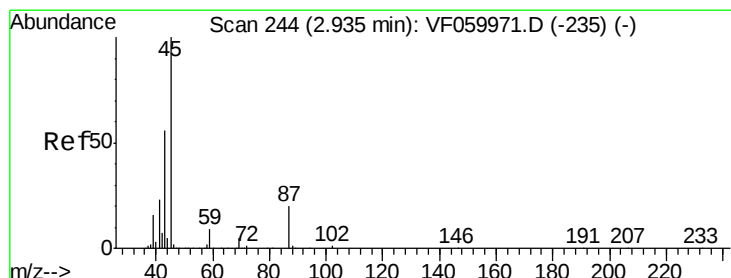
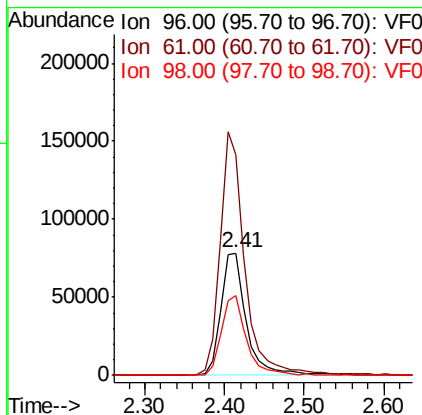
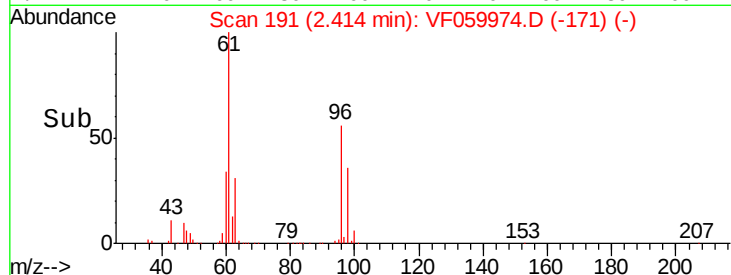
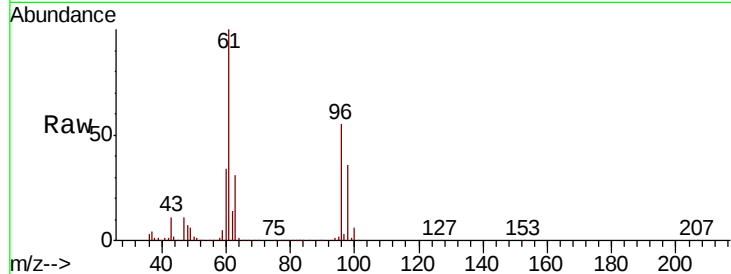
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	176237
Ion Ratio	Lower	Upper	
96	100		
61	180.4	156.9	235.3
98	65.3	48.6	73.0

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#22

Diisopropyl ether

Concen: 193.76 ug/l

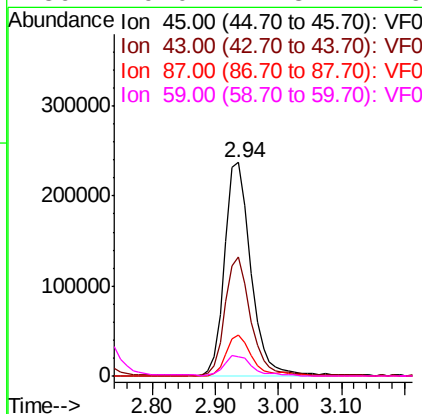
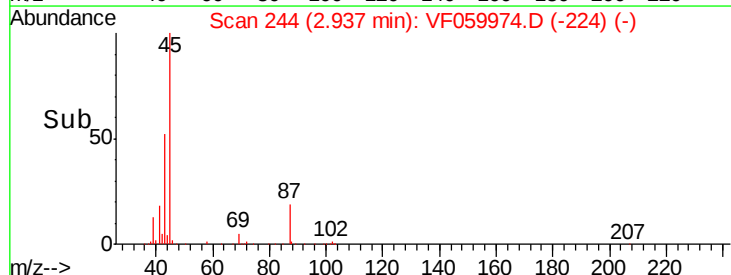
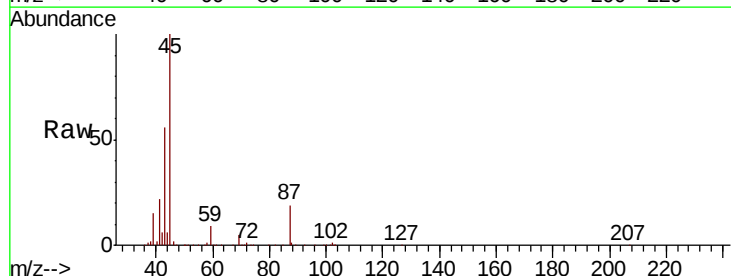
RT: 2.94 min Scan# 244

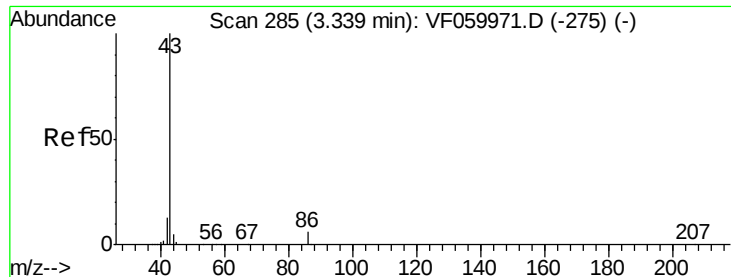
Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	45	Resp:	688704
Ion Ratio	Lower	Upper	
45	100		
43	55.5	44.9	67.3
87	19.2	15.8	23.6
59	9.0	7.8	11.6





#23

Vinyl Acetate

Concen: 968.22 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1659340

Ion Ratio Lower Upper

43 100

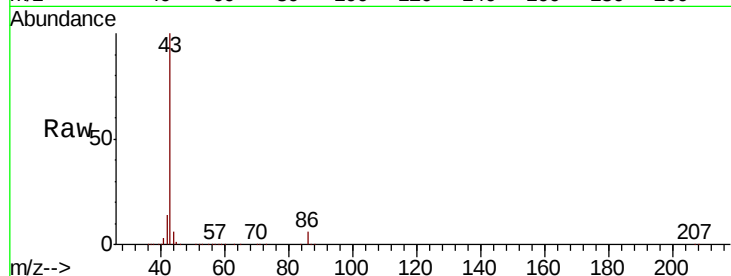
86 6.0 4.5 6.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

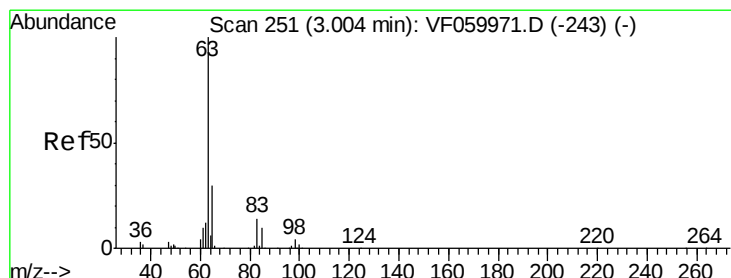
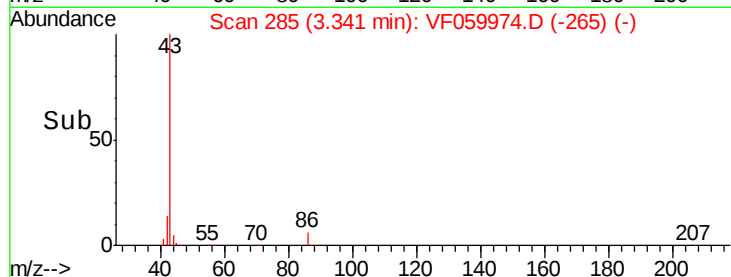
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 163.33 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

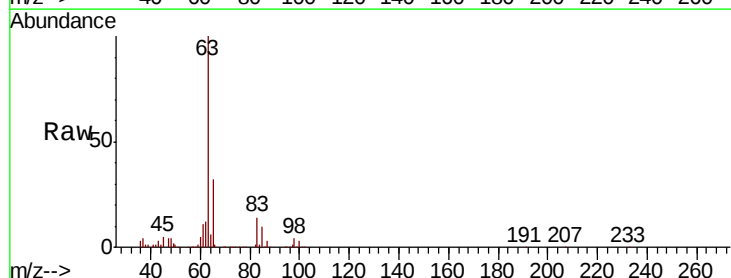
Tgt Ion: 63 Resp: 405463

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 2.5 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

200000

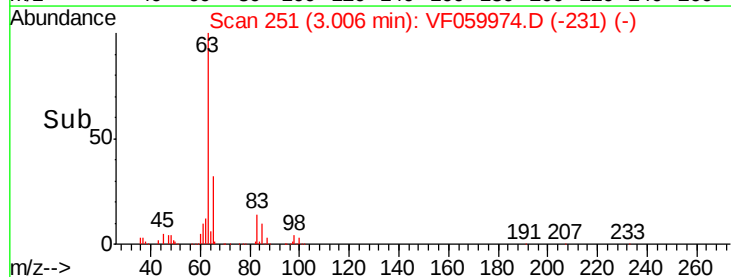
150000

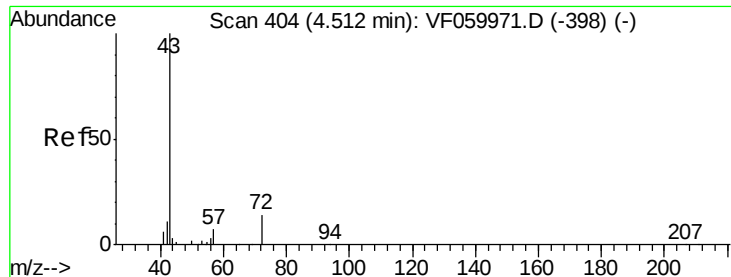
100000

50000

0

Time-->





#25

2-Butanone

Concen: 1179.23 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 594887

Ion Ratio Lower Upper

43 100

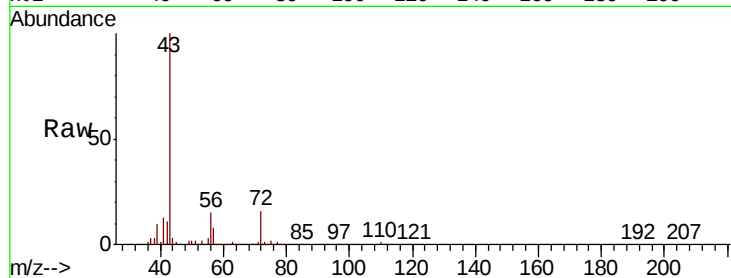
72 16.4 13.4 20.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.52

200000

150000

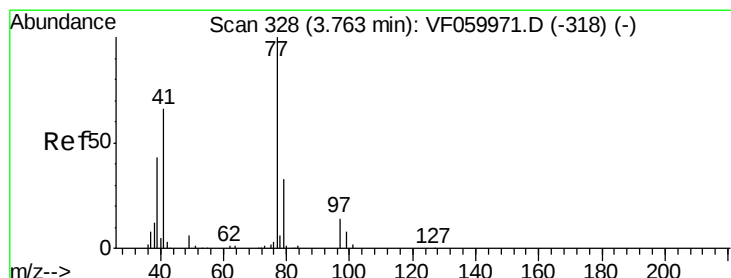
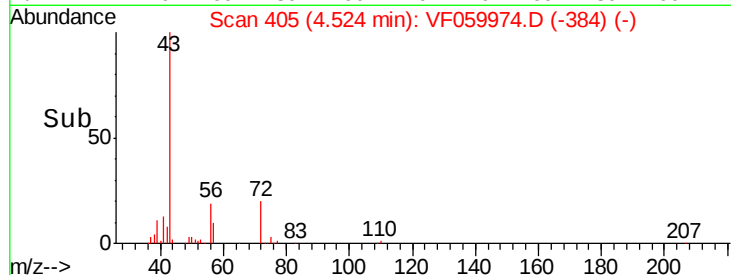
100000

50000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 235.66 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059974.D

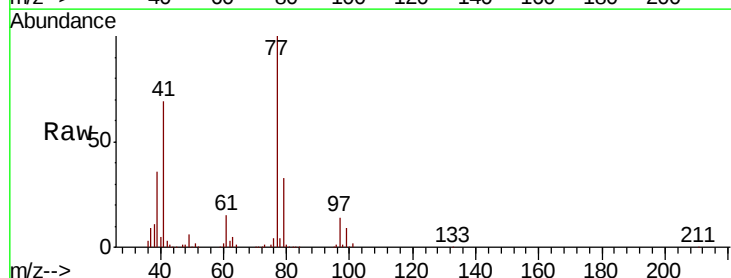
Acq: 16 Aug 2018 21:58

Tgt Ion: 77 Resp: 407571

Ion Ratio Lower Upper

77 100

97 13.8 7.4 22.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.76

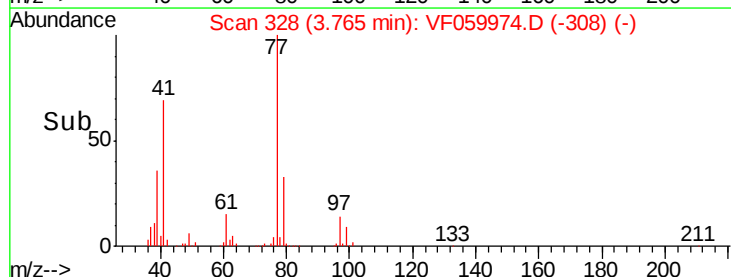
100000

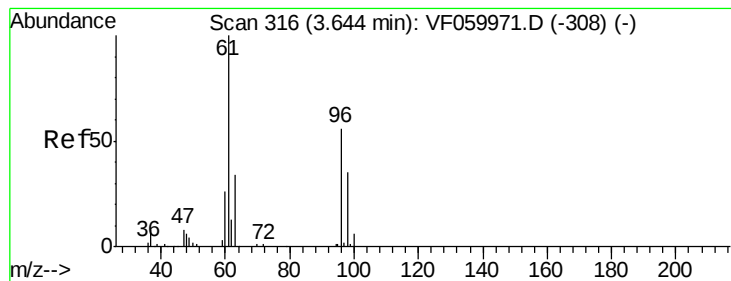
50000

0

3.60 3.70 3.80 3.90

Time-->





#27

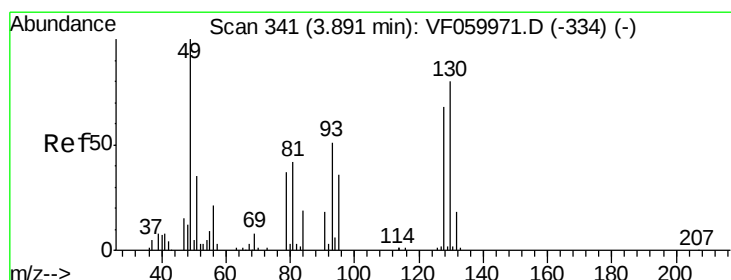
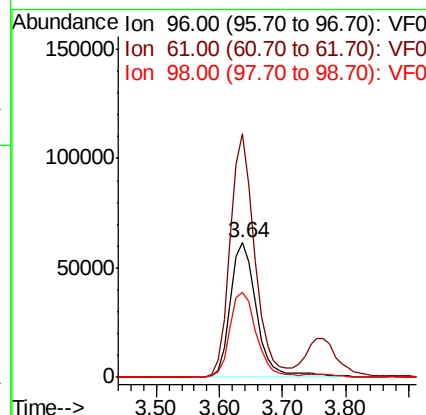
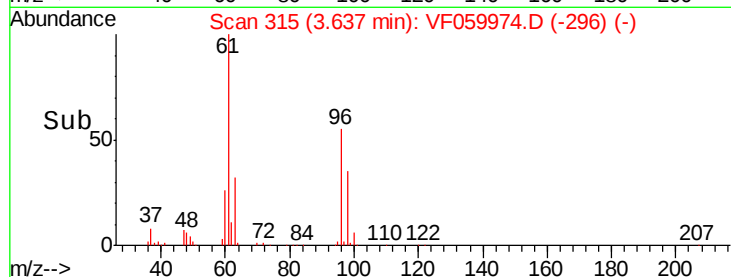
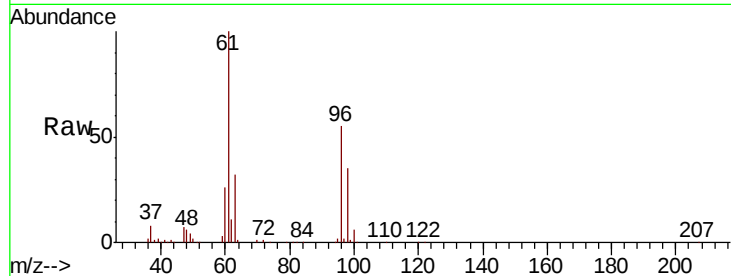
cis-1,2-Dichloroethene
 Concen: 161.86 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178458		
61	180.8	0.0	356.4	
98	63.3	0.0	125.2	

Manual Integrations
 APPROVED

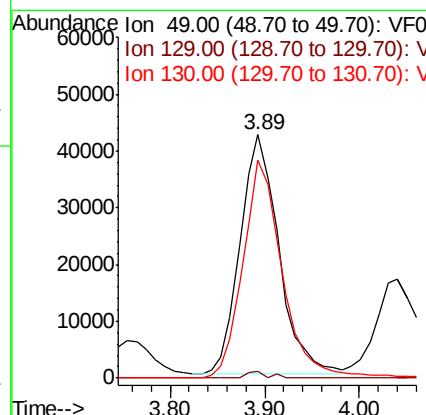
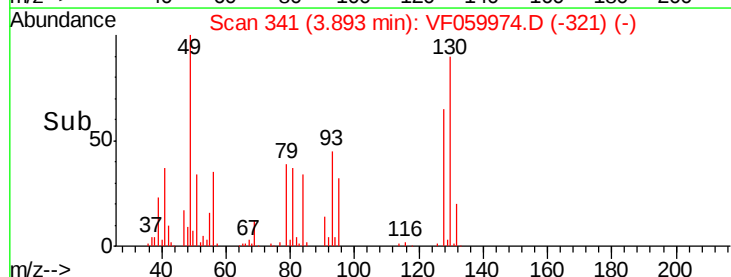
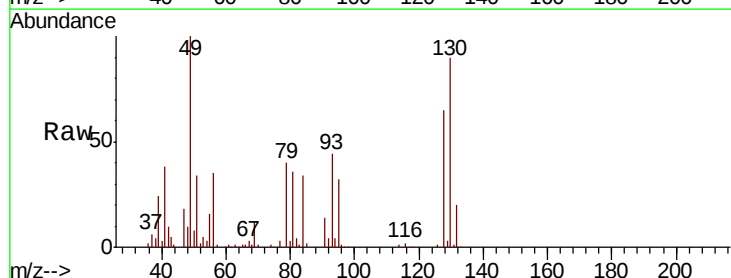
apatel
 8/17/2018 11:24:32 AM

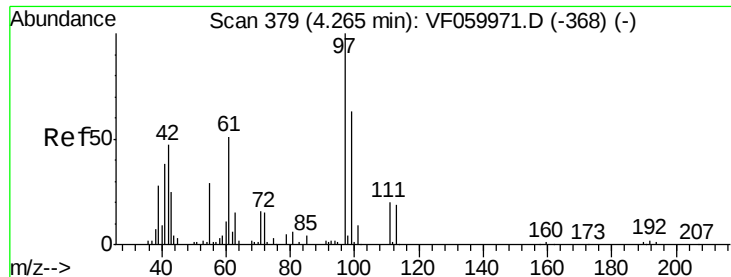


#28

Bromochloromethane
 Concen: 138.36 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120482		
129	2.6	0.0	4.6	
130	89.7	64.0	96.0	





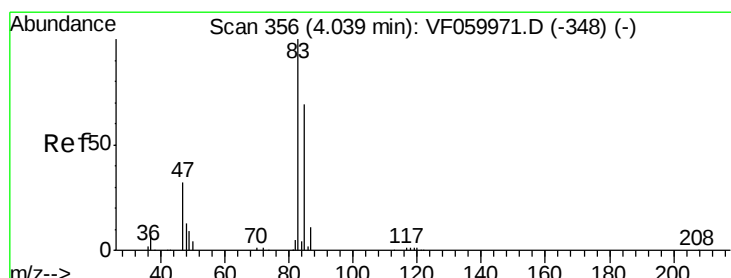
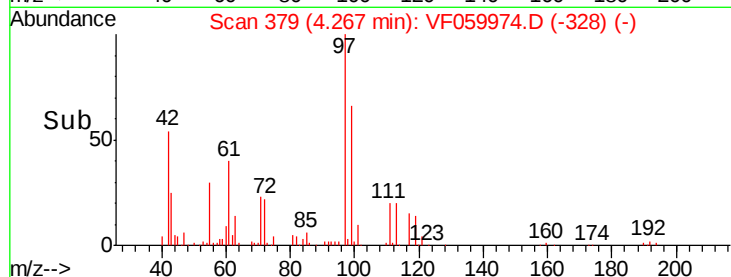
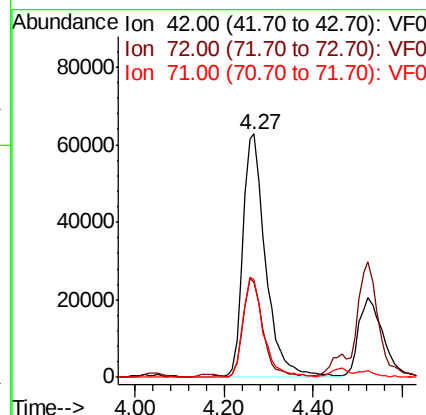
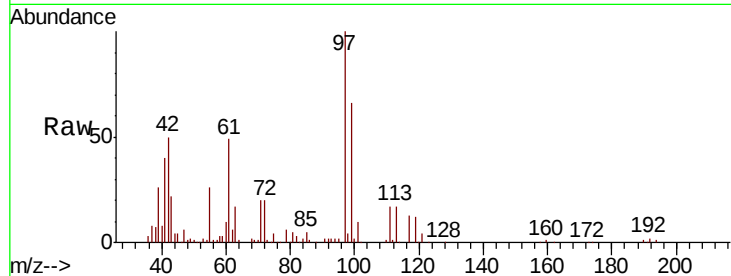
#29
Tetrahydrofuran
Concen: 1263.71 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100	223879		
72	34.7		27.9	41.9
71	36.5		26.9	40.3

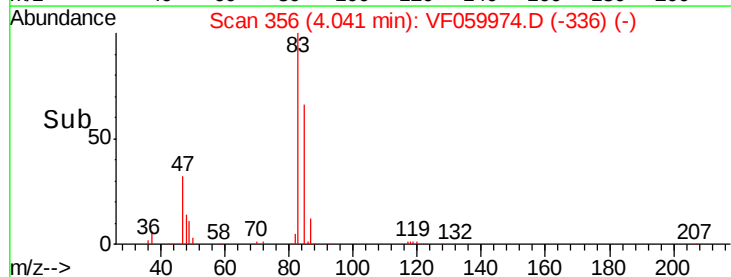
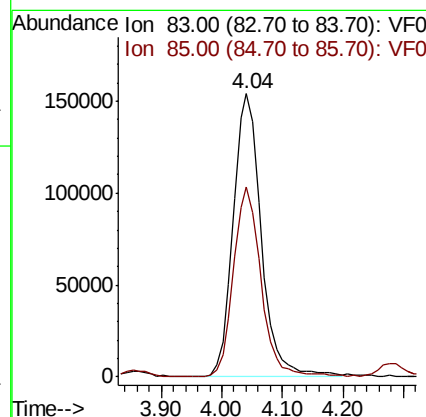
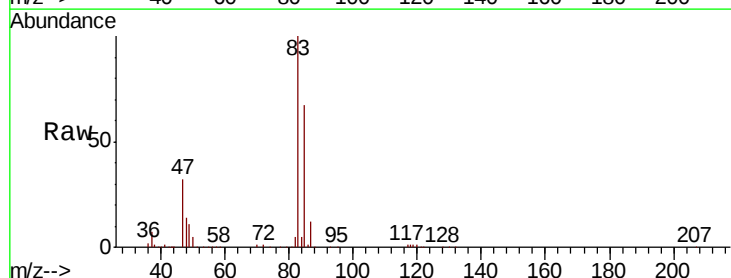
Manual Integrations
APPROVED

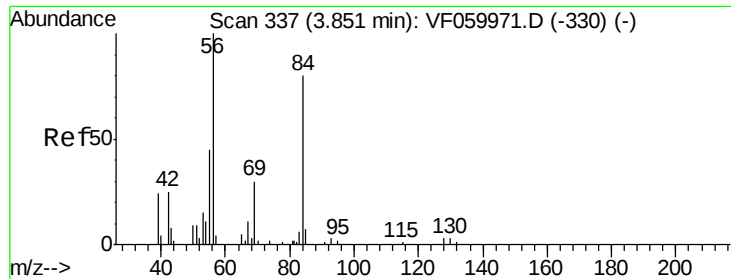
apatel
8/17/2018 11:24:32 AM



#30
Chloroform
Concen: 151.84 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	496973		
85	67.0		54.9	82.3





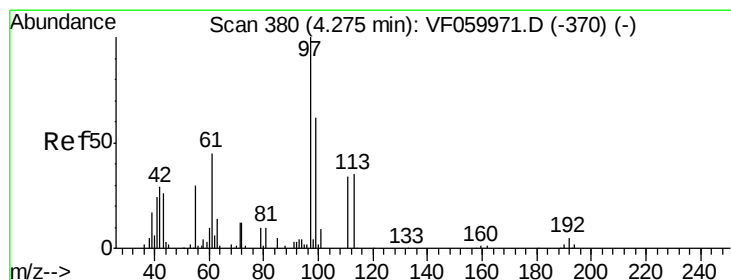
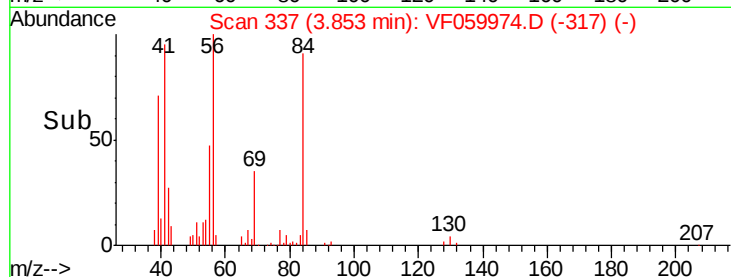
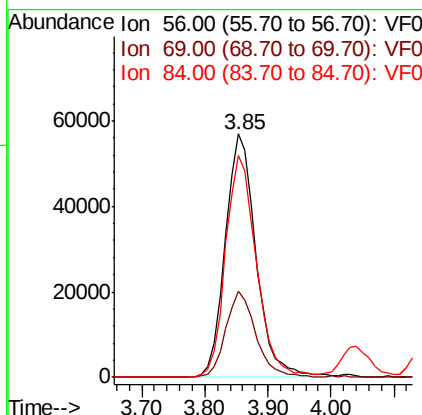
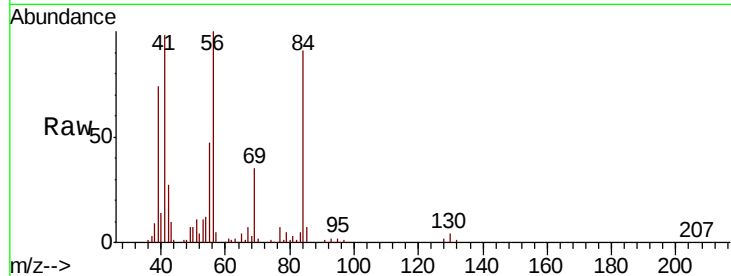
#31
Cyclohexane
Concen: 164.92 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	23.8	35.6
84	91.3	64.3	96.5

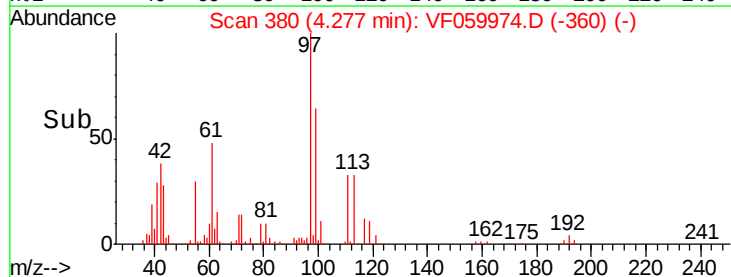
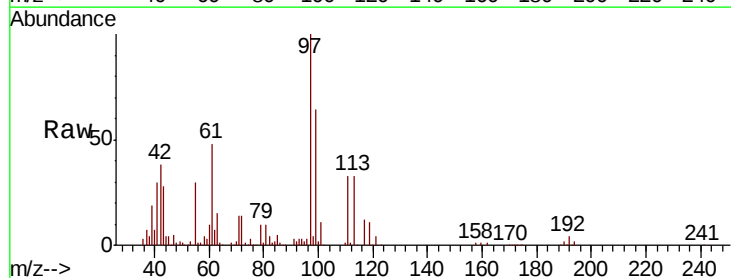
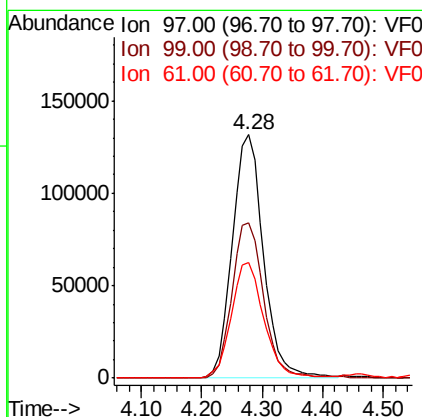
Manual Integrations
APPROVED

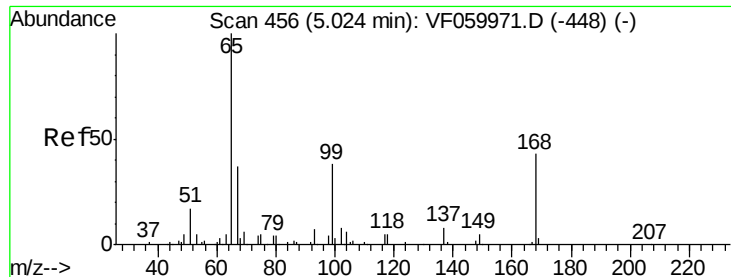
apatel
8/17/2018 11:24:32 AM



#32
1,1,1-Trichloroethane
Concen: 170.63 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	49.3	73.9
61	47.7	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 163.02 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 380738

Ion Ratio Lower Upper

65 100

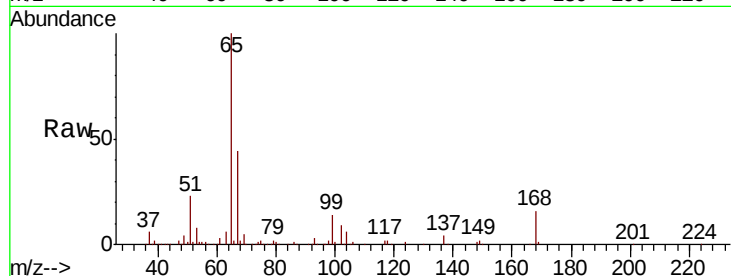
67 43.8 0.0 84.8

Manual Integrations

APPROVED

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150000

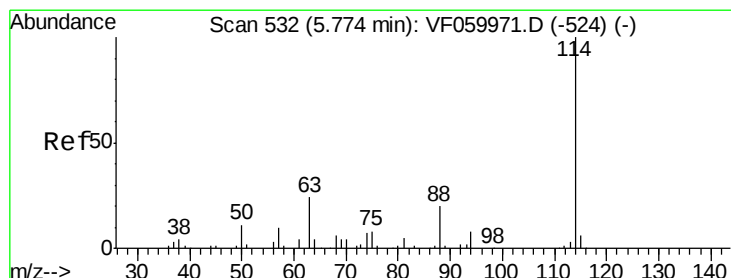
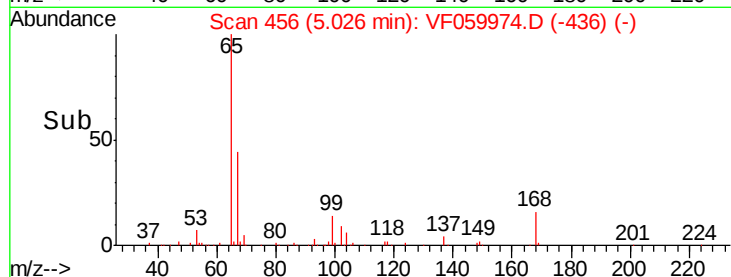
100000

50000

0

4.90 5.03 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

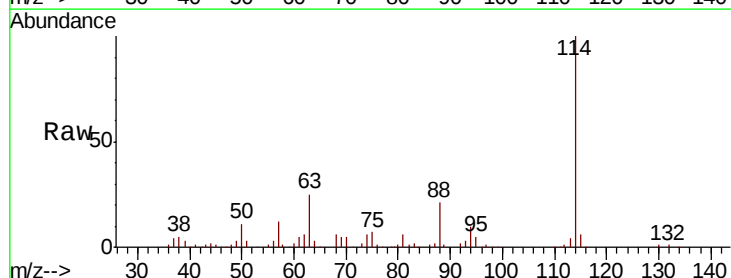
Tgt Ion: 114 Resp: 191611

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.8

88 21.0 0.0 39.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

80000

60000

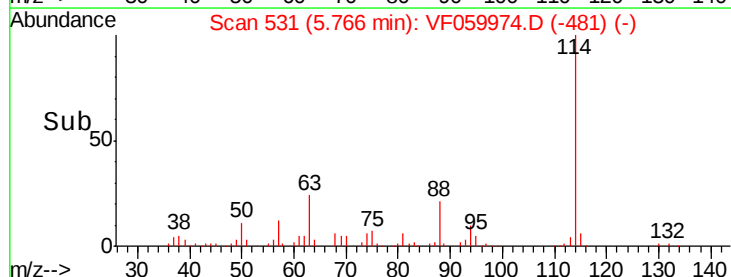
40000

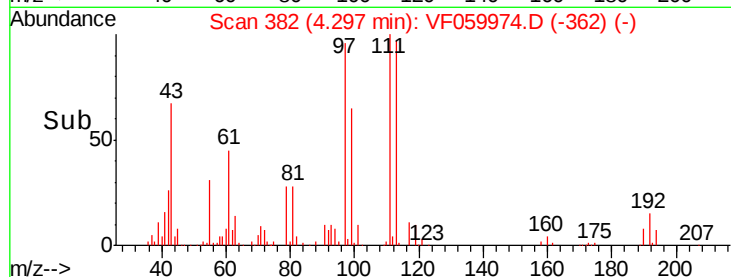
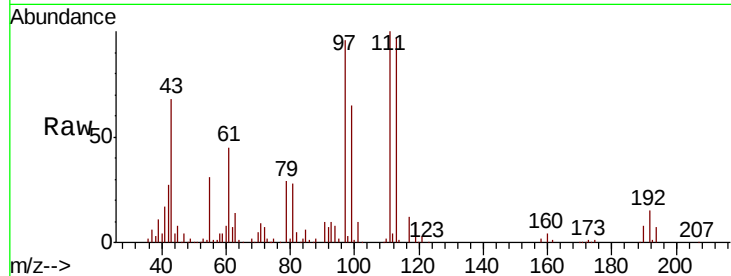
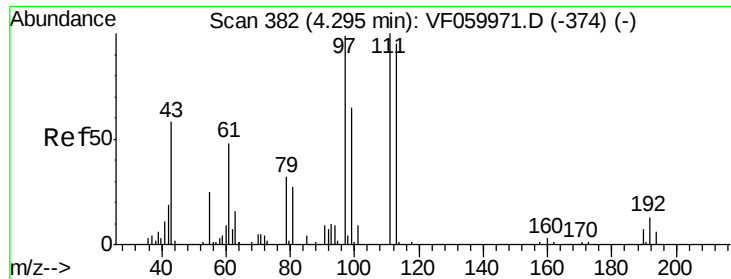
20000

0

5.60 5.77 5.80 5.90 6.00

Time-->





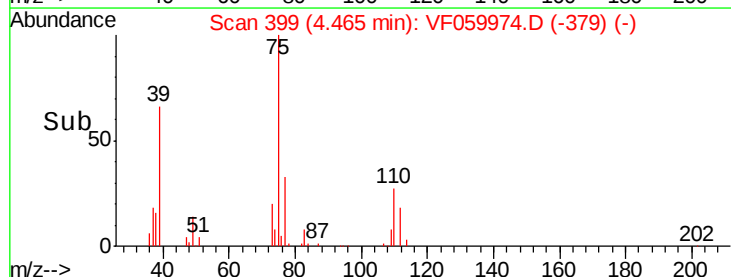
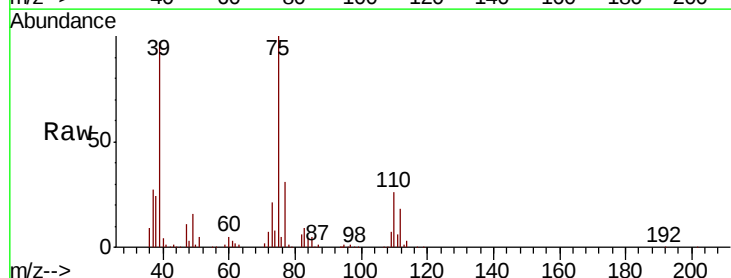
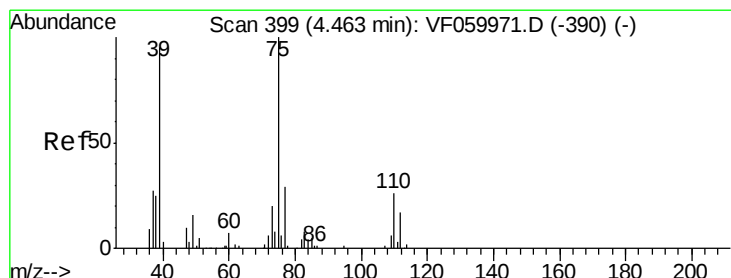
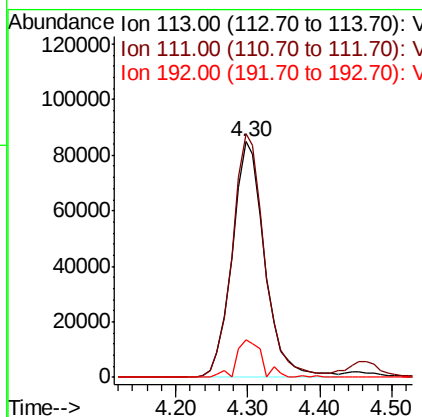
#35
Dibromofluoromethane
Concen: 137.45 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	267617		
111	103.4	83.9	125.9	
192	15.8	11.3	16.9	

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

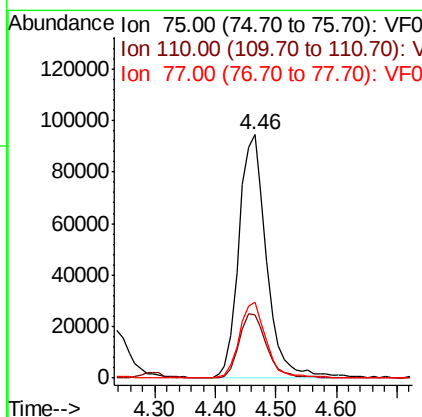
Manual Integrations
APPROVED

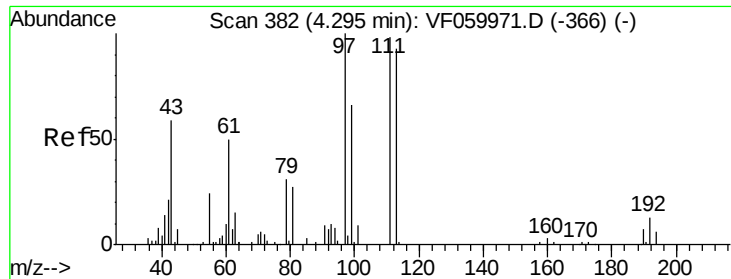
apatel
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#36
1,1-Dichloropropene
Concen: 139.48 ug/l
RT: 4.46 min Scan# 399
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	296056		
110	25.8	13.1	39.3	
77	31.1	23.4	35.0	





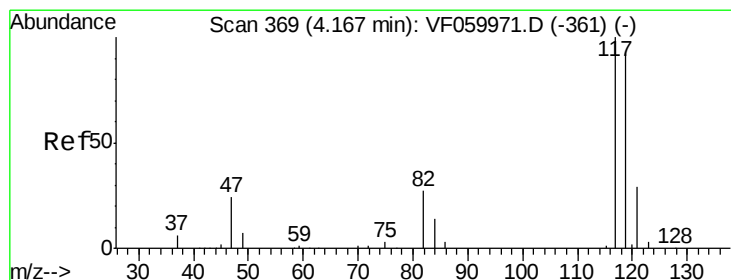
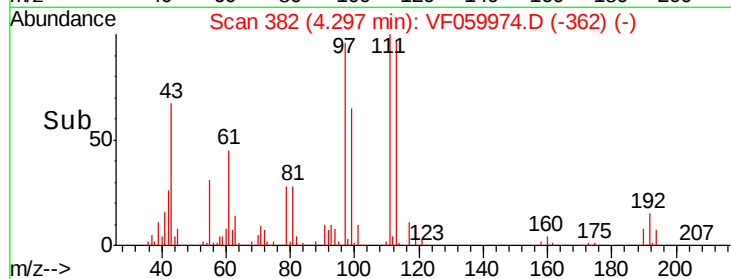
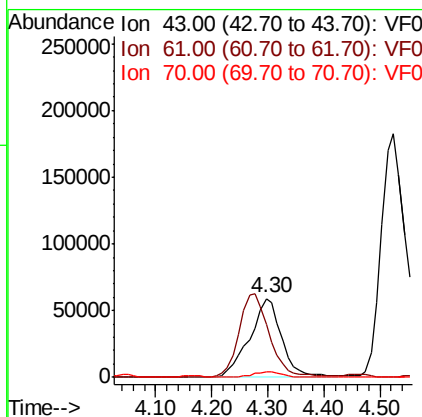
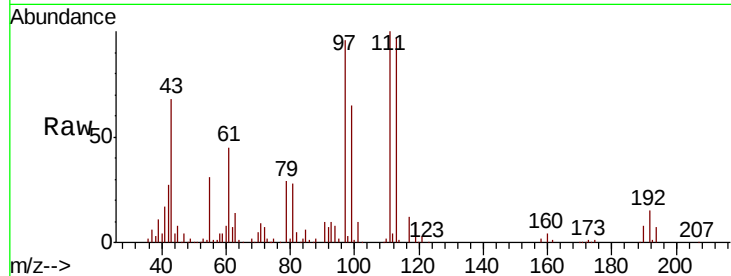
#37
Ethyl Acetate
Concen: 224.05 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	66.8	67.0	100.4#
70	7.1	6.7	10.1

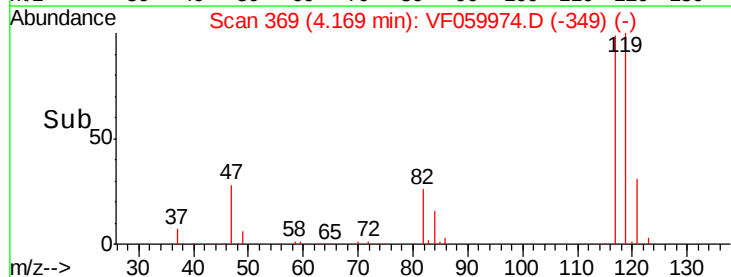
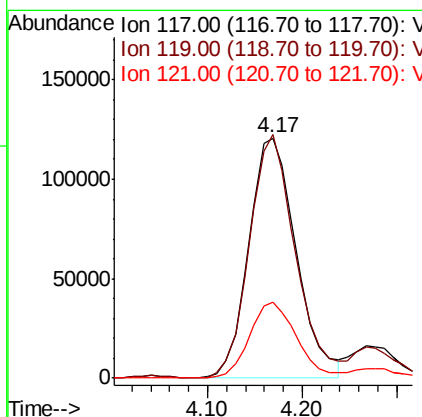
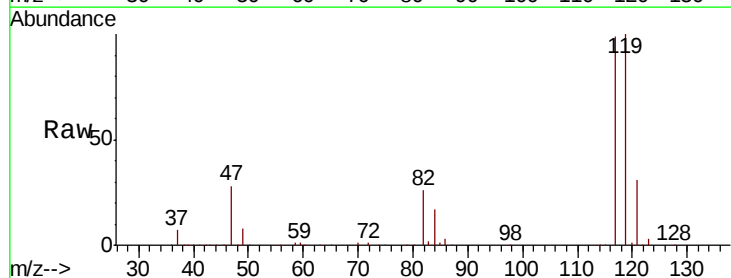
Manual Integrations
APPROVED

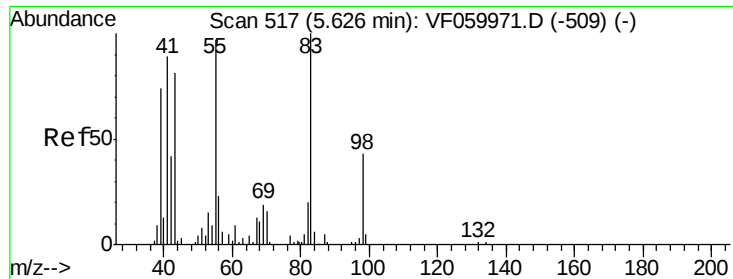
apatel
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#38
Carbon Tetrachloride
Concen: 121.22 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	73.6	110.4
121	31.7	23.4	35.2





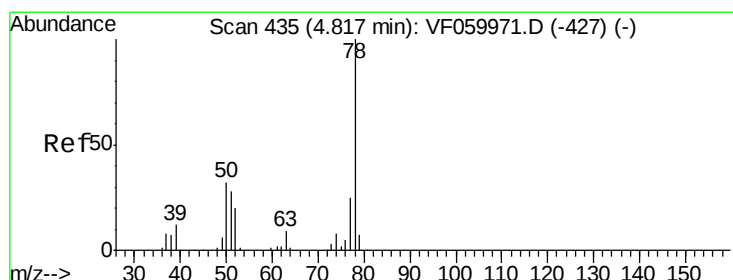
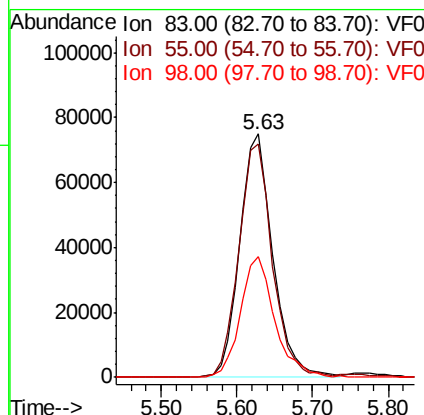
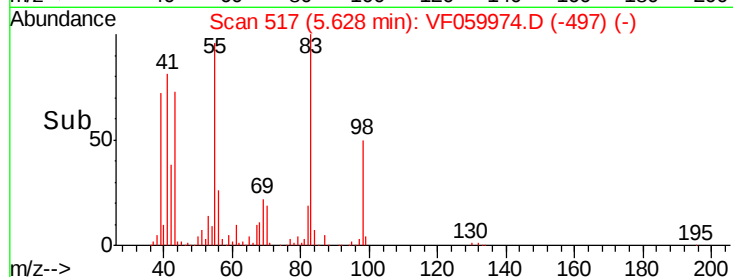
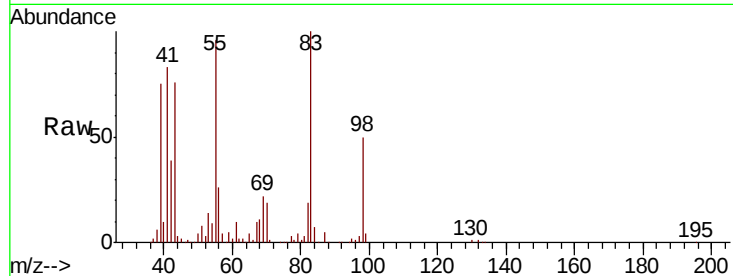
#39
Methylcyclohexane
Concen: 147.59 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.1	77.7	116.5
98	49.7	34.2	51.4

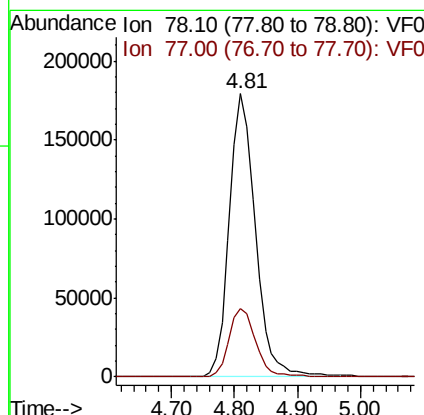
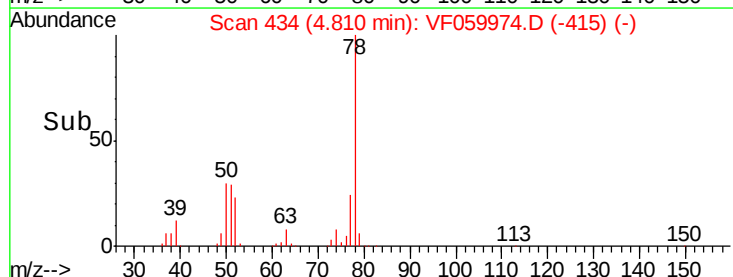
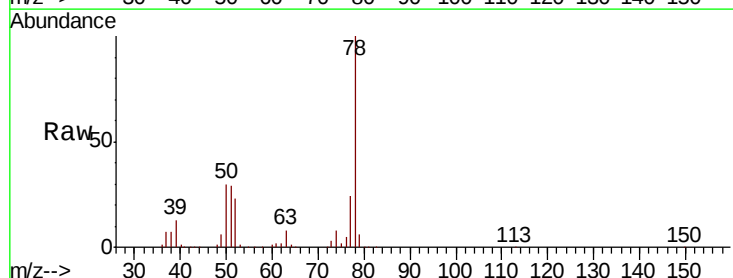
Manual Integrations
APPROVED

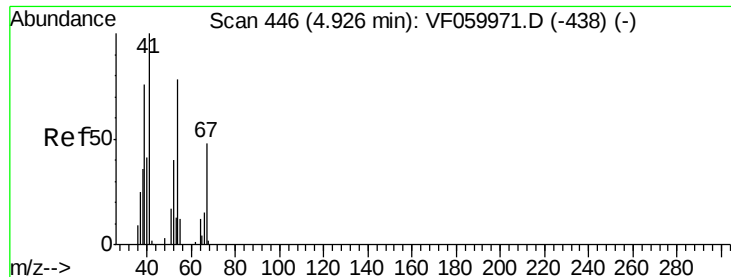
apatel
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#40
Benzene
Concen: 144.76 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.3	30.5





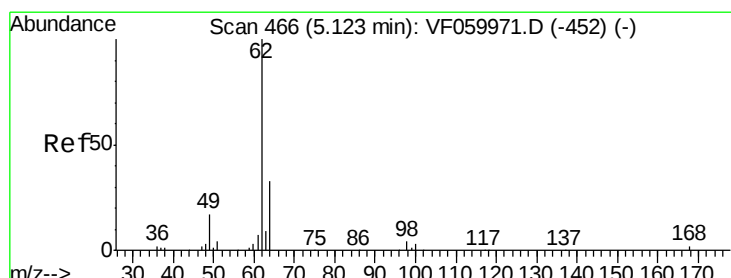
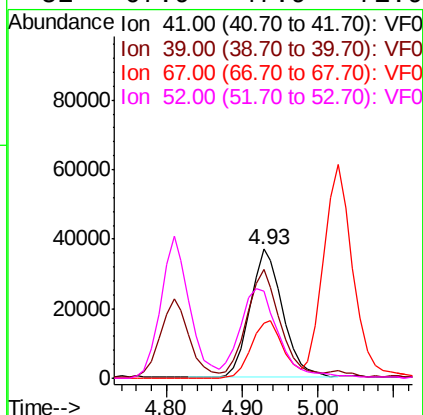
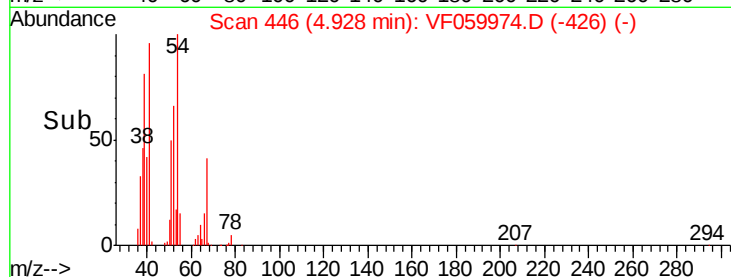
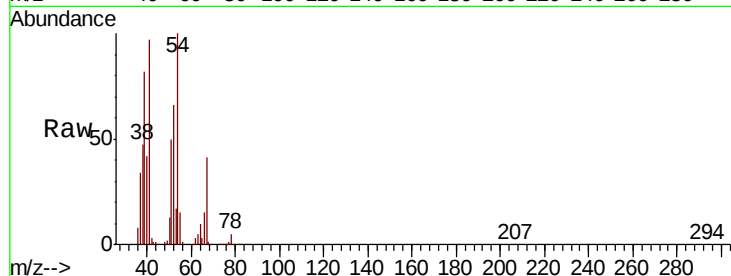
#41
Methacrylonitrile
Concen: 226.27 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	84.5	69.9	104.9	
67	42.6	38.6	58.0	
52	67.9	47.9	71.9	

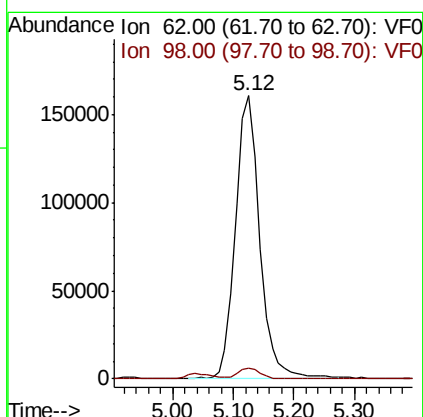
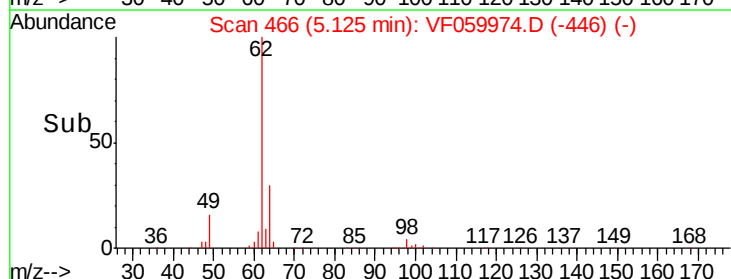
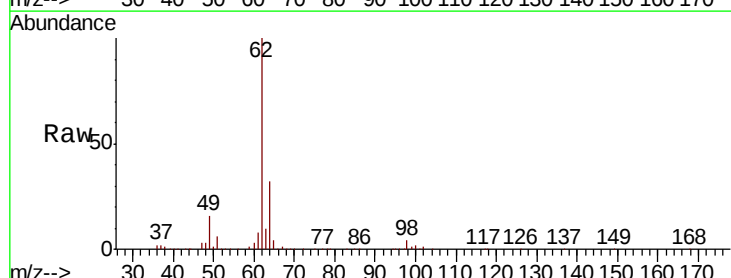
Manual Integrations
APPROVED

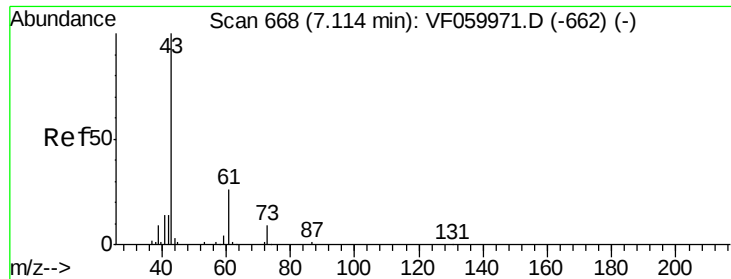
apatel
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#42
1,2-Dichloroethane
Concen: 153.89 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.9	0.0	8.2	





#43

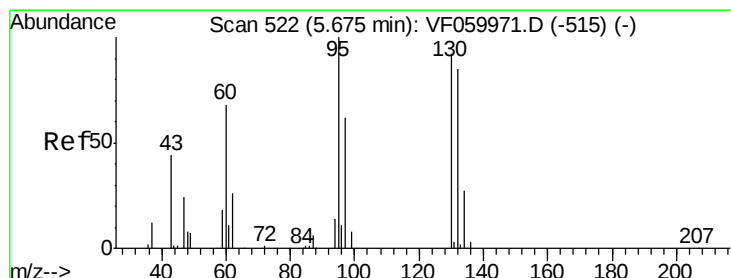
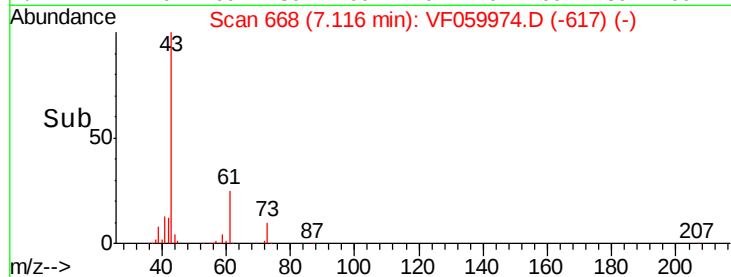
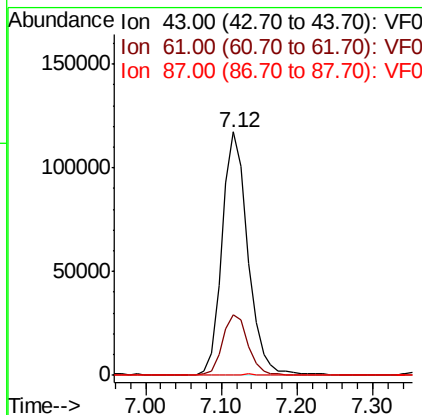
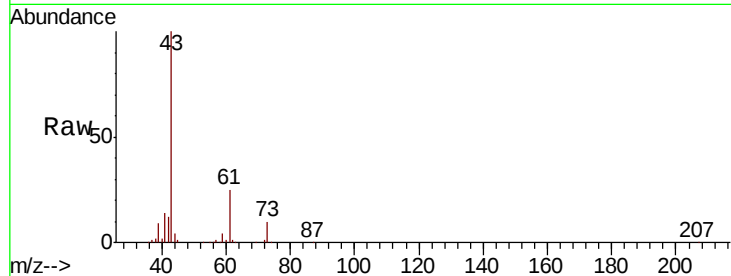
Isopropyl Acetate
 Concen: 243.04 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.8	31.2
87	0.3	0.5	0.7

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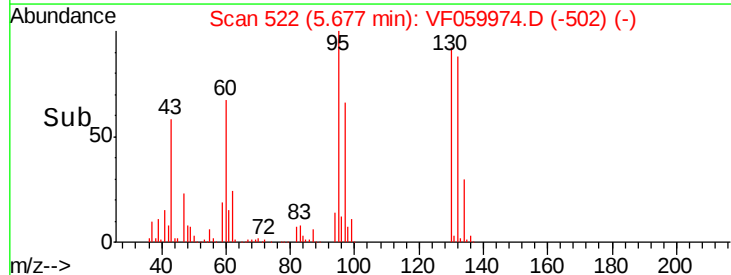
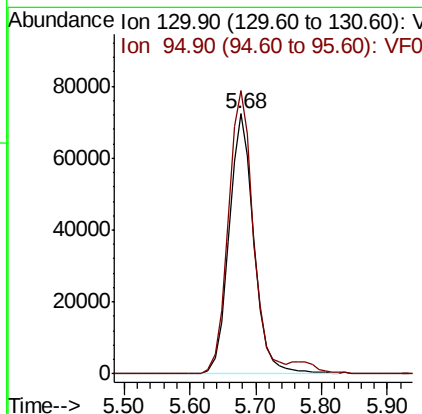
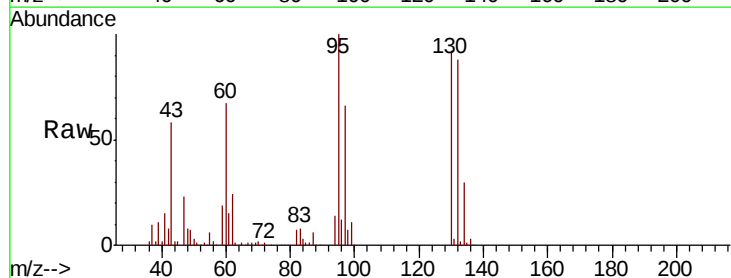
apatel
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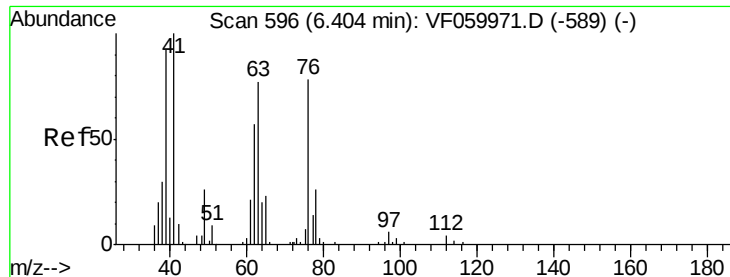


#44

Trichloroethene
 Concen: 138.29 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	218.4





#45

1,2-Dichloropropane

Concen: 157.23 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 152177

Ion Ratio Lower Upper

63 100

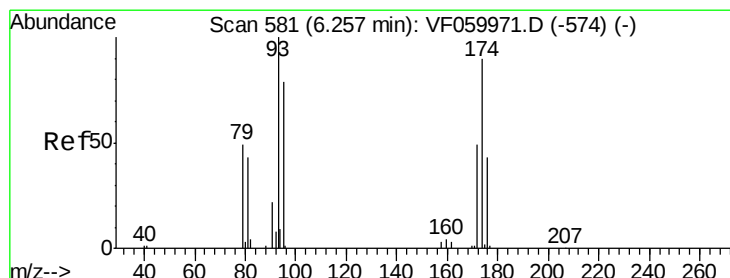
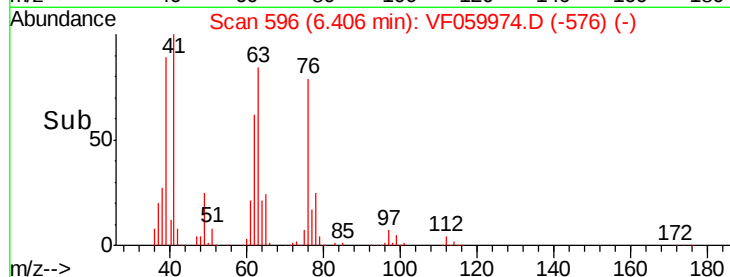
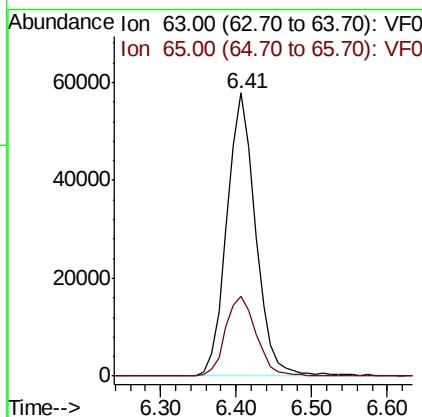
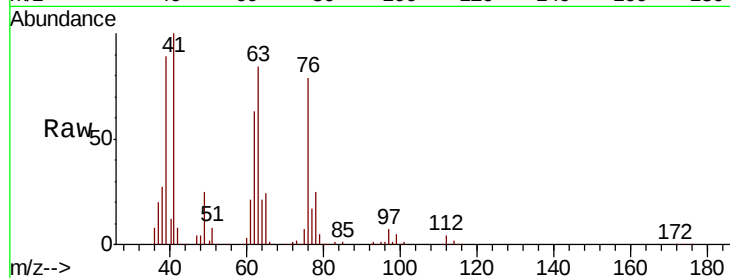
65 28.4 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 174.98 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

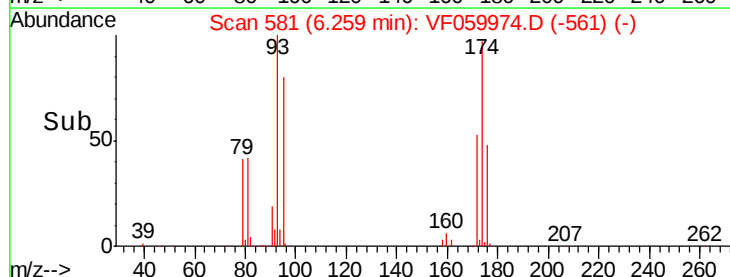
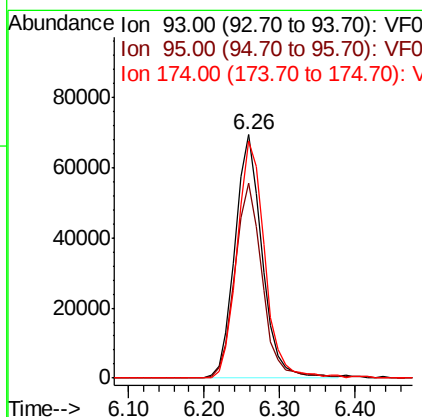
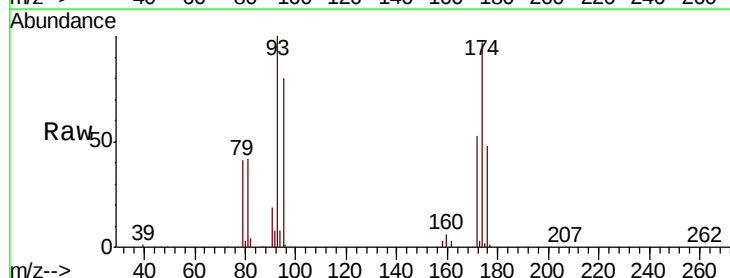
Tgt Ion: 93 Resp: 171599

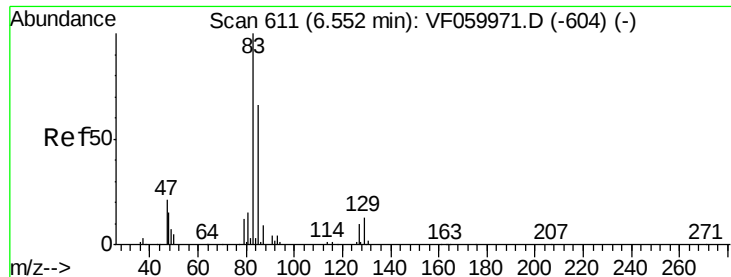
Ion Ratio Lower Upper

93 100

95 80.0 64.0 96.0

174 97.2 71.8 107.8





#47

Bromodichloromethane

Concen: 148.44 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

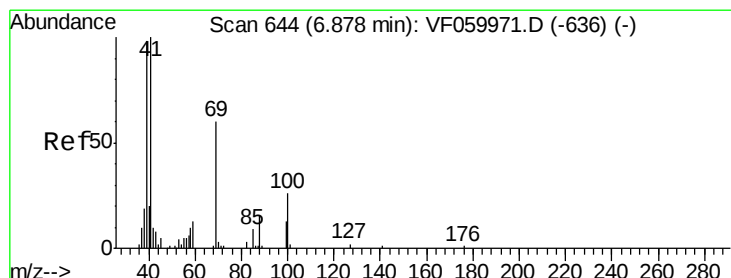
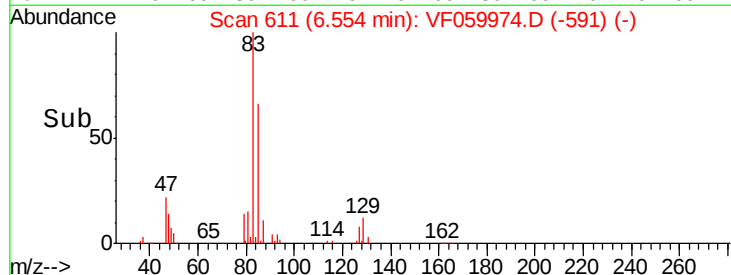
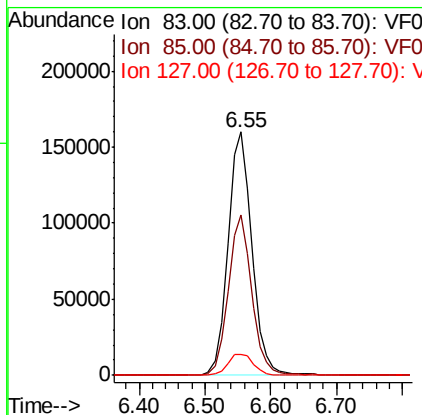
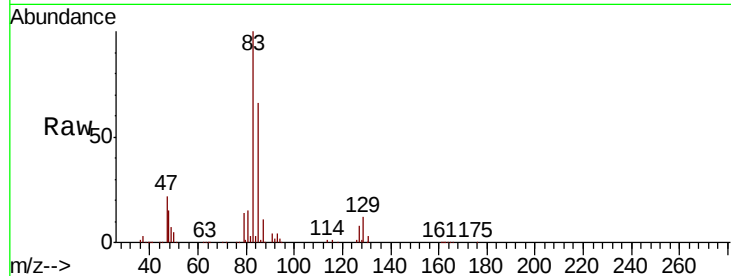
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	408602
Ion Ratio		Lower	Upper
83	100		
85	65.8	53.2	79.8
127	8.4	8.4	12.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 235.16 ug/l

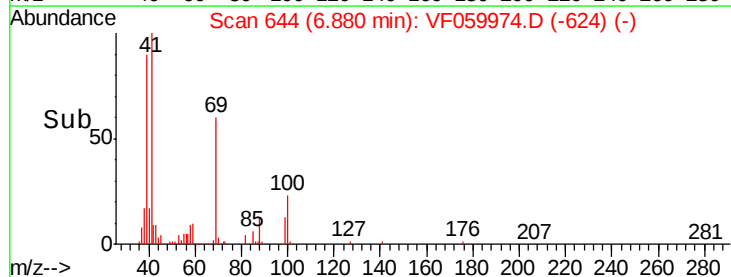
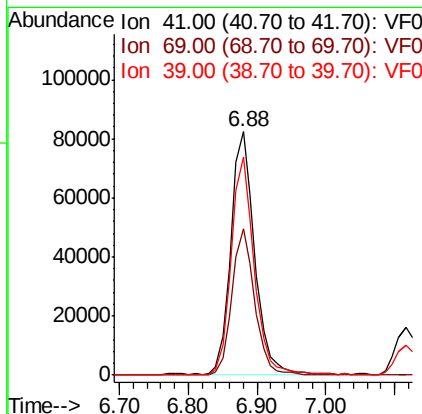
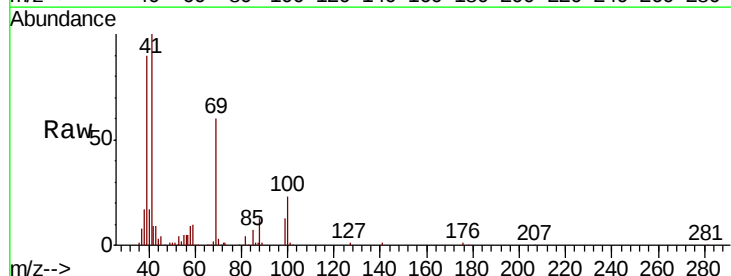
RT: 6.88 min Scan# 644

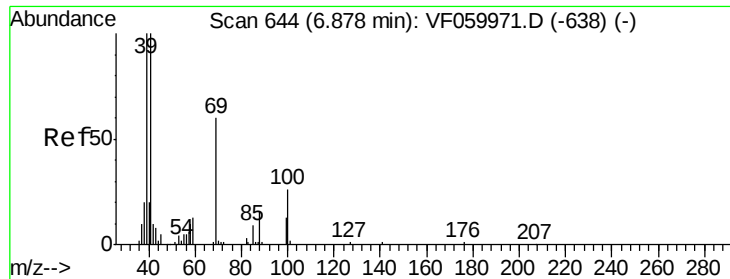
Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	41	Resp:	195444
Ion Ratio		Lower	Upper
41	100		
69	59.9	48.1	72.1
39	89.7	79.3	118.9





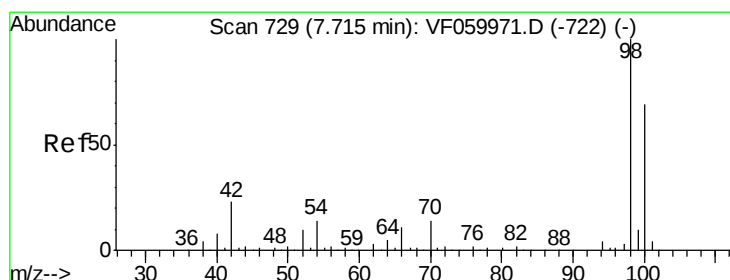
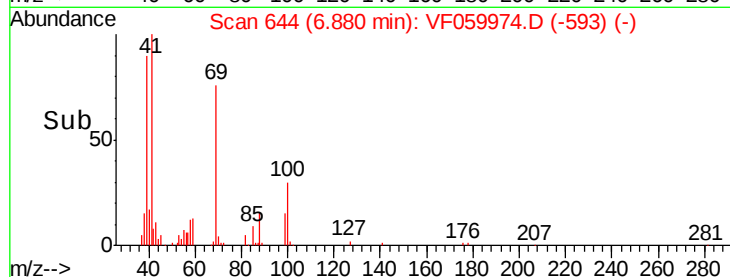
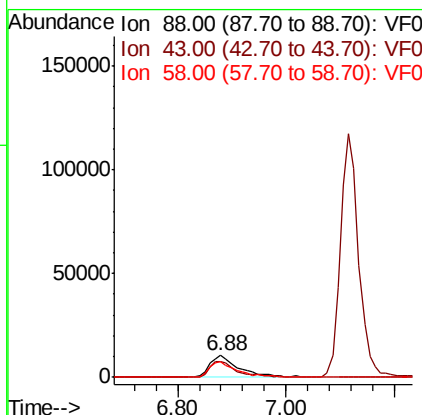
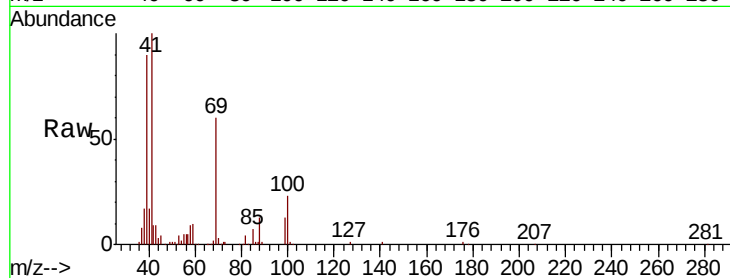
#49
1,4-Dioxane
Concen: 5969.17 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.1	45.3	67.9#
58	72.1	51.2	76.8

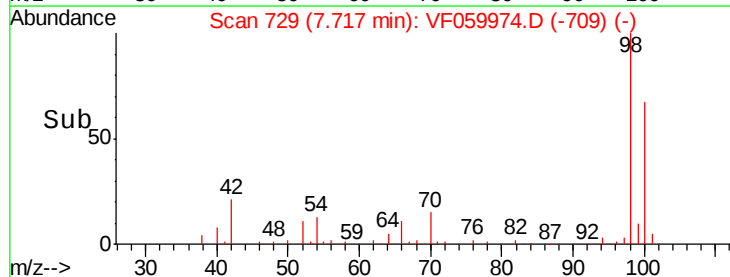
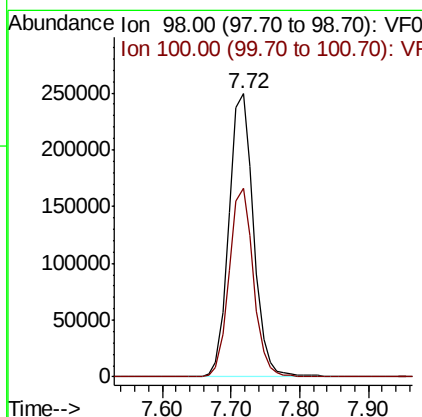
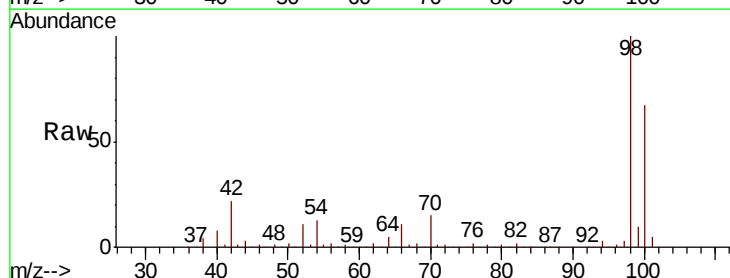
Manual Integrations
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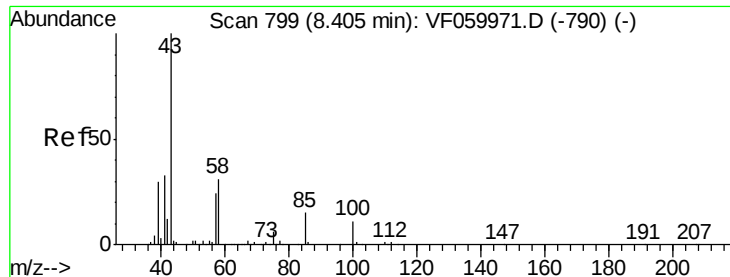
apatel
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#50
Toluene-d8
Concen: 146.05 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 1071.21 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1151570

Ion Ratio Lower Upper

43 100

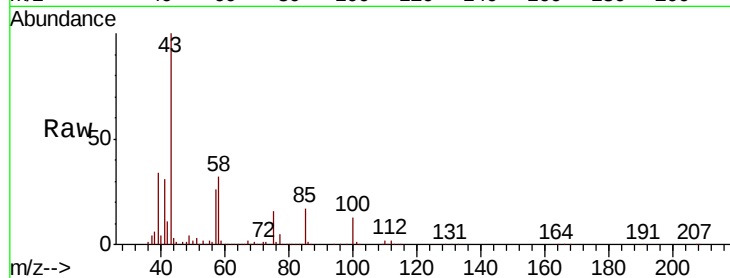
58 32.3 24.6 37.0

Manual Integrations

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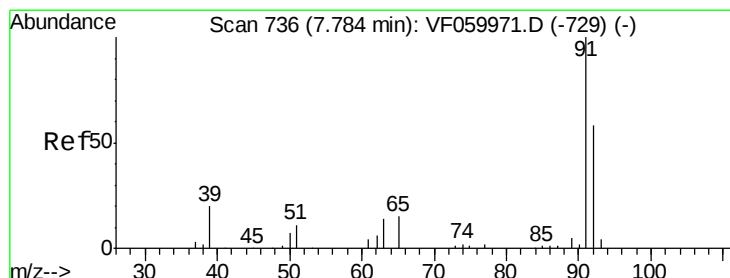
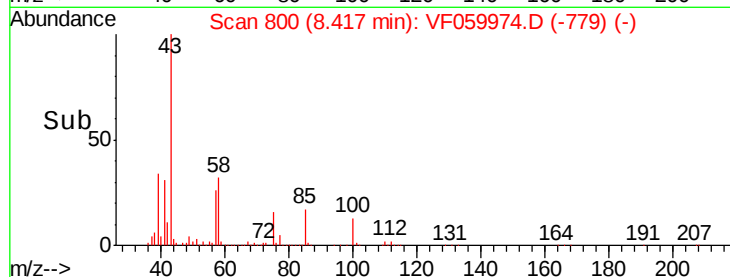
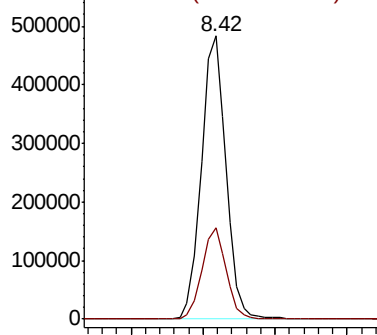
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 144.80 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059974.D

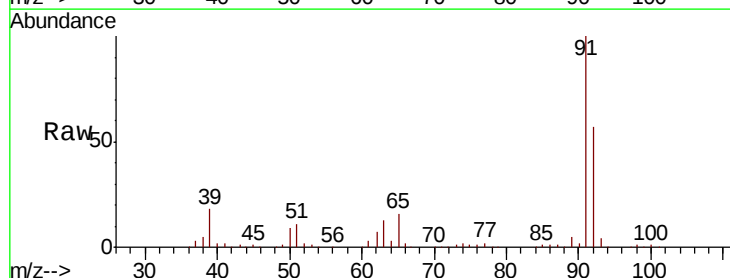
Acq: 16 Aug 2018 21:58

Tgt Ion: 92 Resp: 386793

Ion Ratio Lower Upper

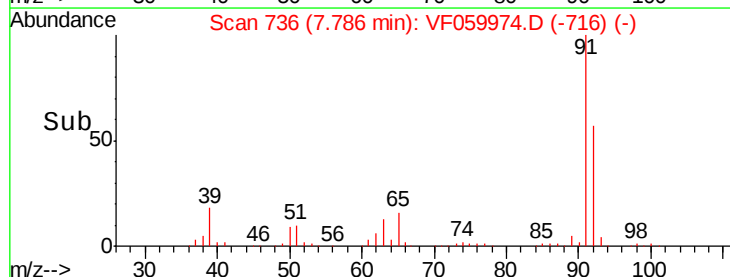
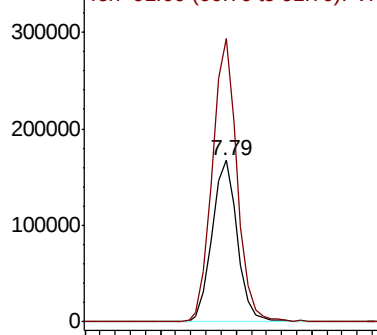
92 100

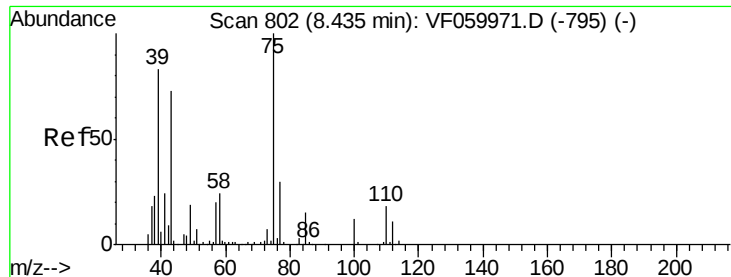
91 175.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 161.05 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 368062

Ion Ratio Lower Upper

75 100

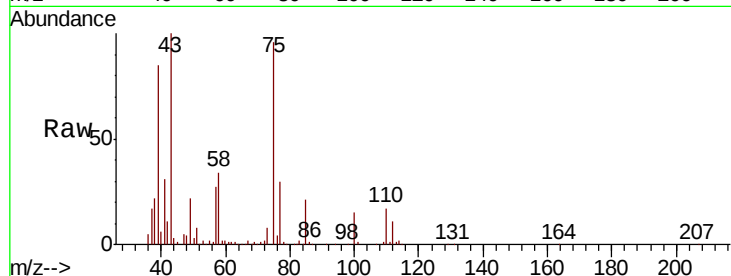
77 31.8 23.5 35.3

Manual Integrations

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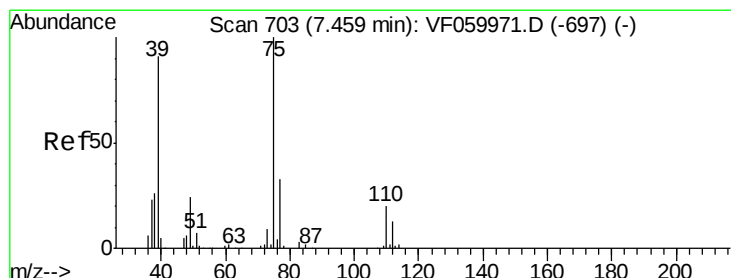
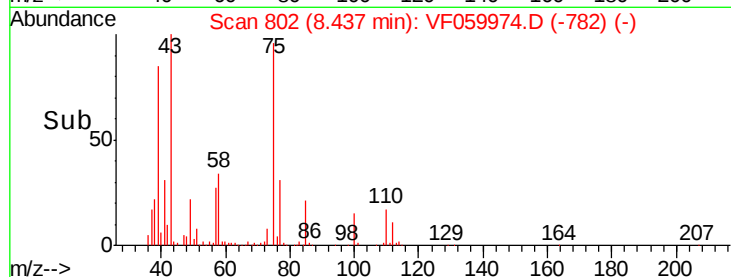
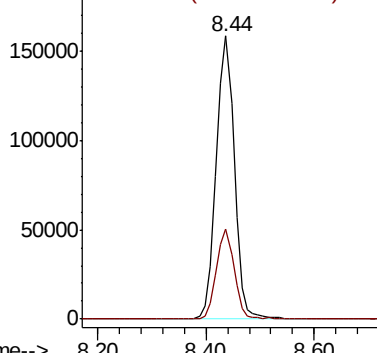
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 157.14 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

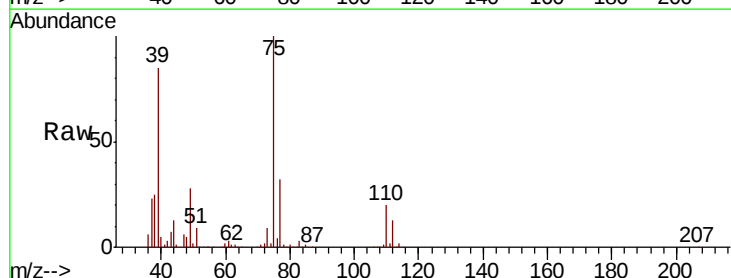
Tgt Ion: 75 Resp: 339863

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4

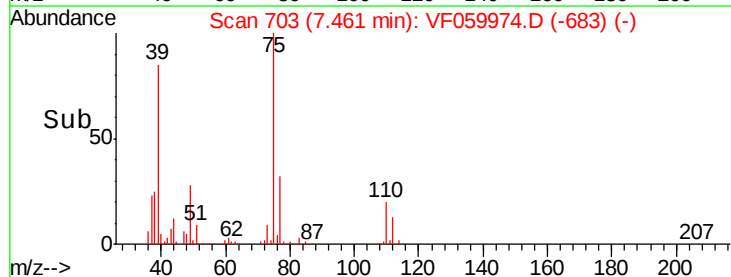
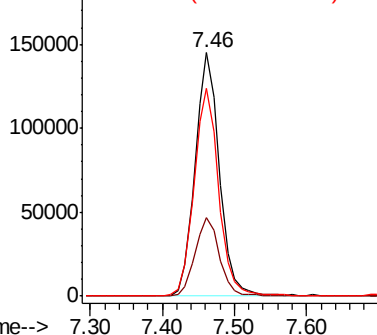
39 85.2 73.2 109.8

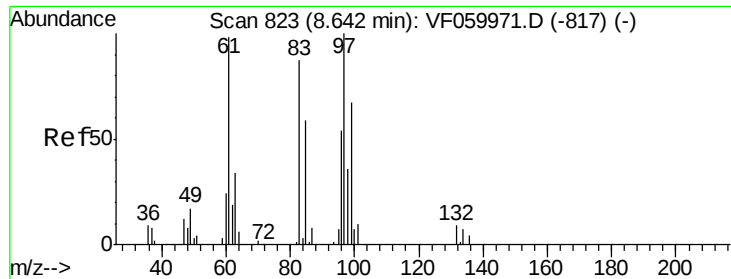


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 181.71 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

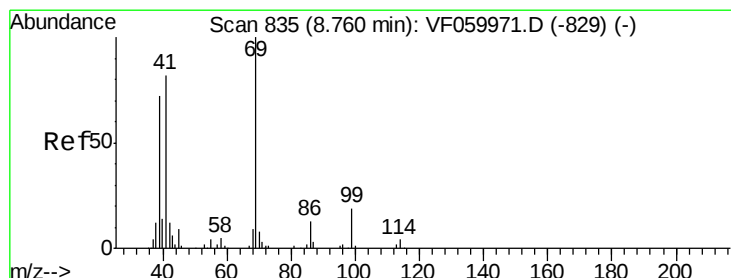
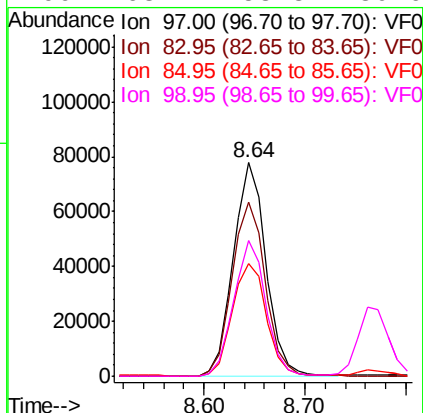
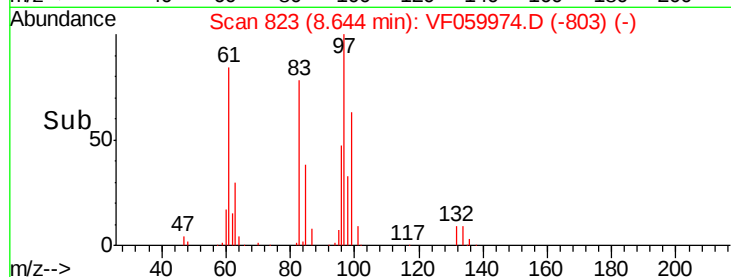
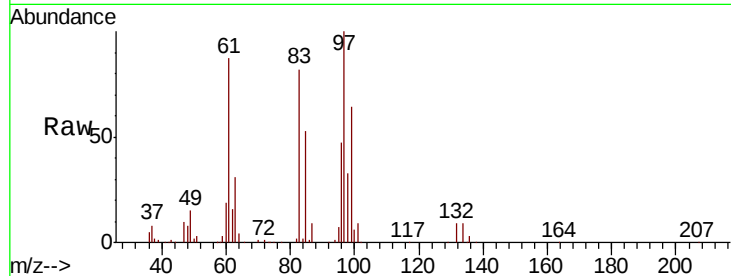
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	175622
Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.7	104.5
85	52.7	47.4	71.2
99	63.7	53.8	80.6

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#56

Ethyl methacrylate

Concen: 215.97 ug/l

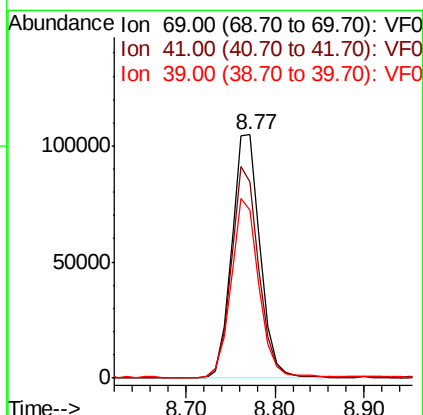
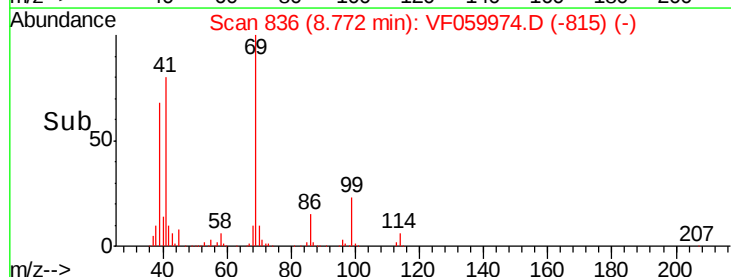
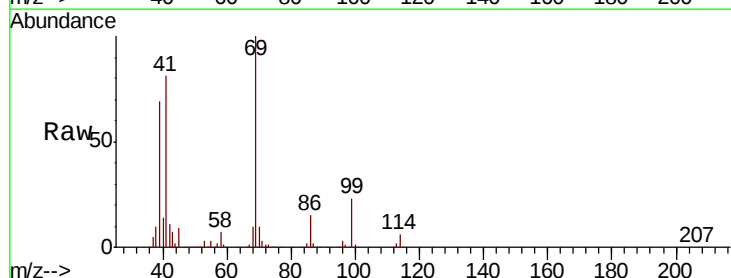
RT: 8.77 min Scan# 836

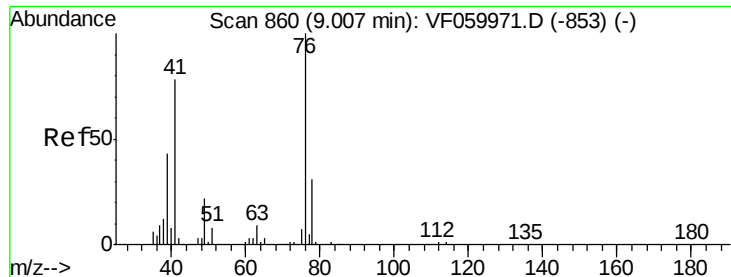
Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	69	Resp:	233414
Ion	Ratio	Lower	Upper
69	100		
41	80.6	65.6	98.4
39	68.8	58.1	87.1





#57

1,3-Dichloropropane

Concen: 180.07 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 318816

Ion Ratio Lower Upper

76 100

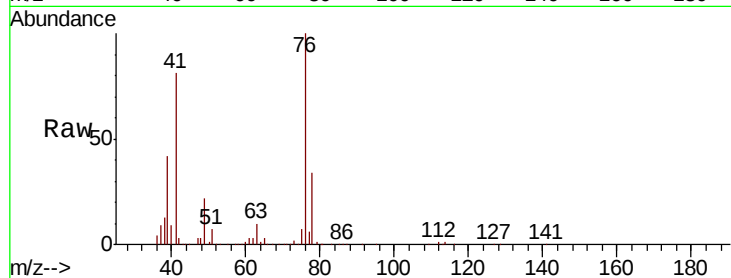
78 34.2 24.7 37.1

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150000

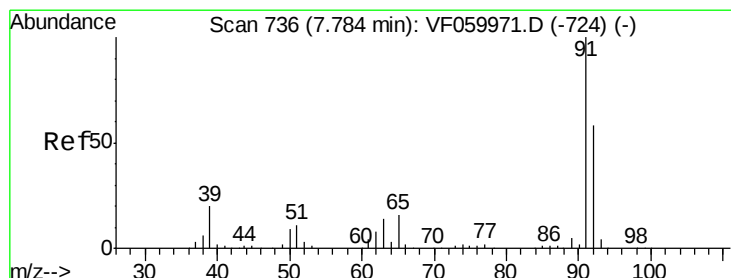
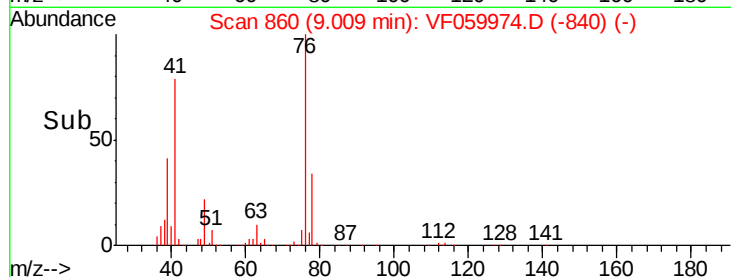
100000

50000

0

8.90 9.01 9.10 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 701.59 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059974.D

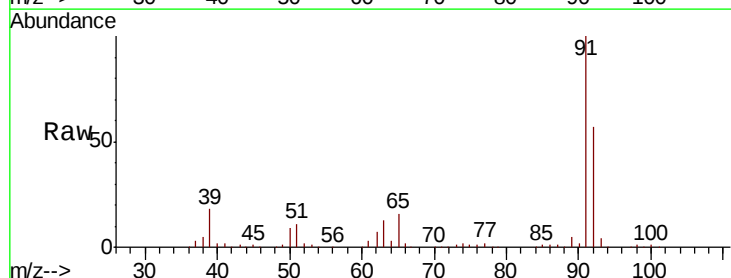
Acq: 16 Aug 2018 21:58

Tgt Ion: 63 Resp: 92400

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

40000

30000

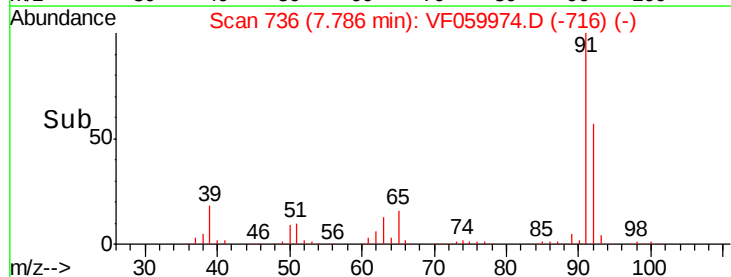
20000

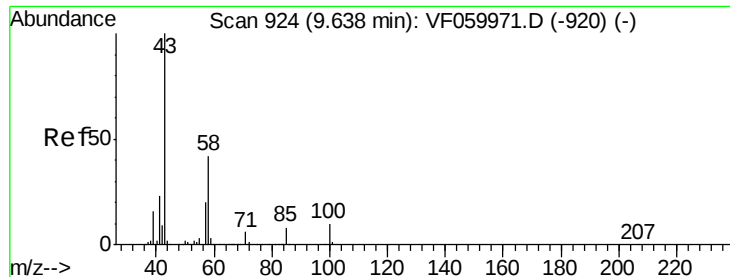
10000

0

7.60 7.80 8.00

Time-->





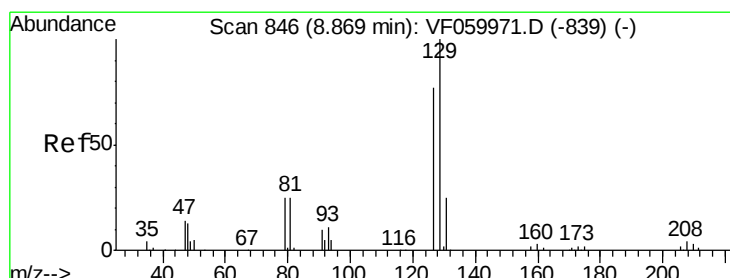
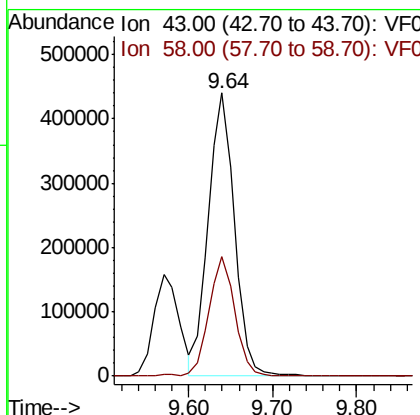
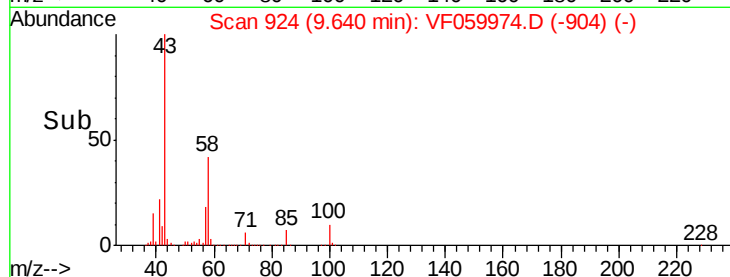
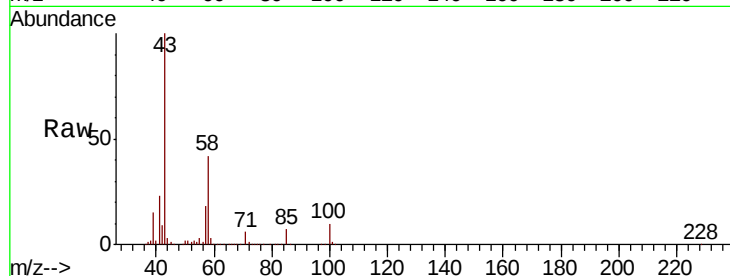
#59
2-Hexanone
Concen: 1170.88 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	19.8	59.3

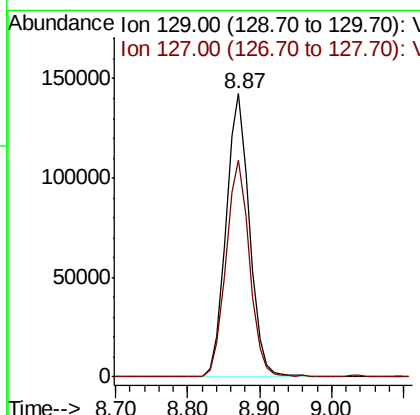
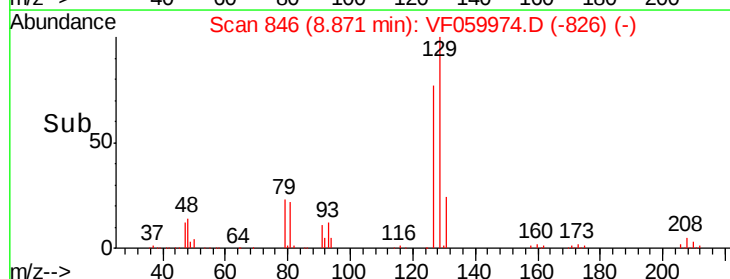
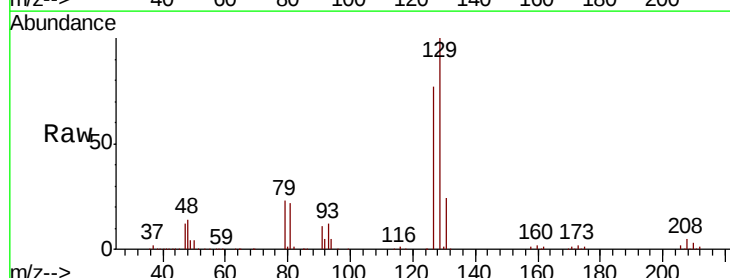
Manual Integrations
APPROVED

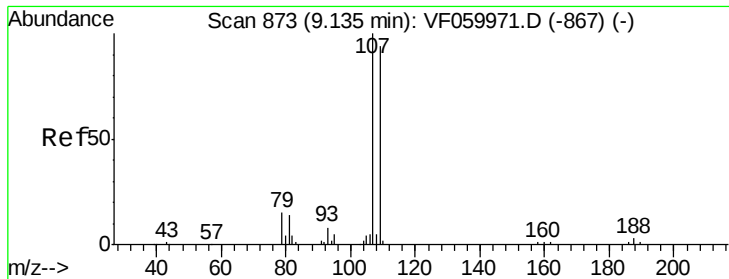
apatel
8/17/2018 11:24:32 AM



#60
Dibromochloromethane
Concen: 170.81 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2





#61

1,2-Dibromoethane

Concen: 197.15 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 241112

Ion Ratio Lower Upper

107 100

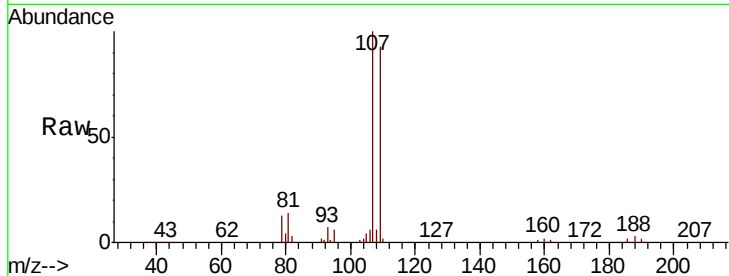
109 93.4 75.4 113.0

Manual Integrations

APPROVED

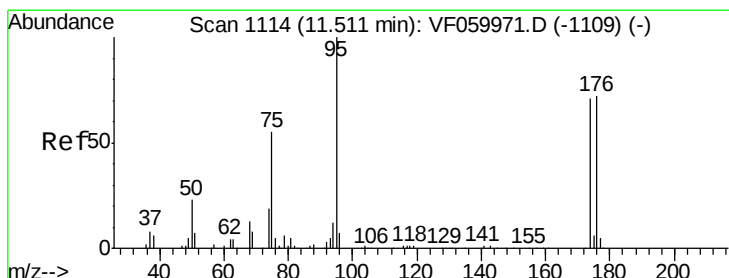
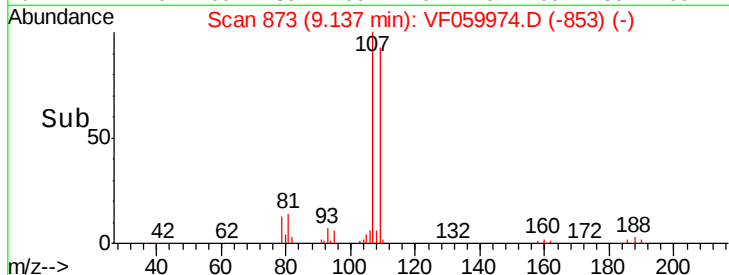
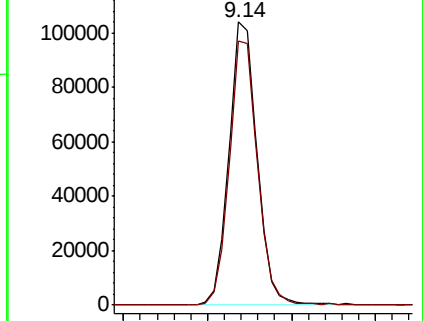
apatel

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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: 148.57 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

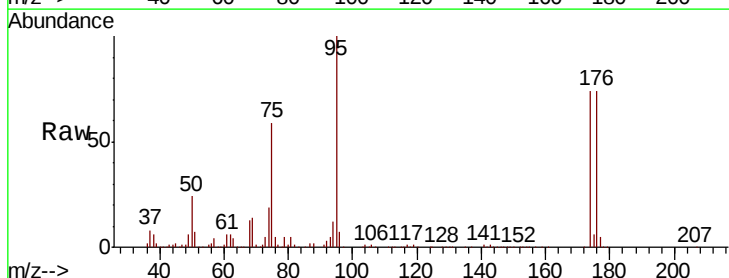
Tgt Ion: 95 Resp: 356490

Ion Ratio Lower Upper

95 100

174 73.6 0.0 142.8

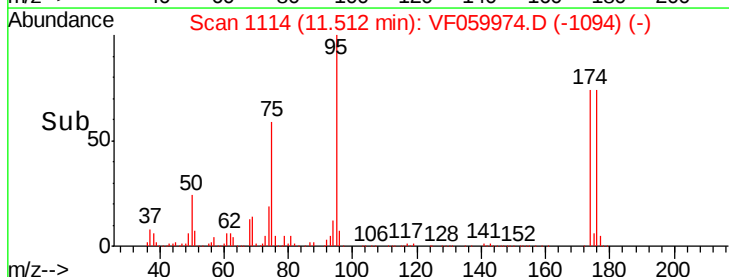
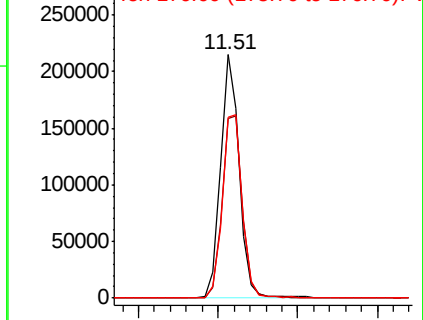
176 74.5 0.0 143.4

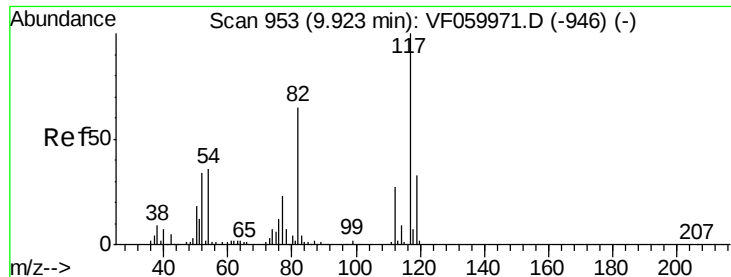


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





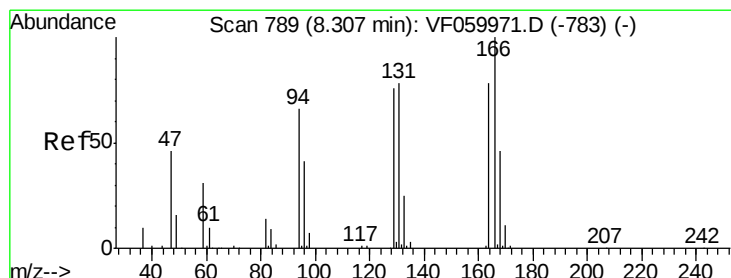
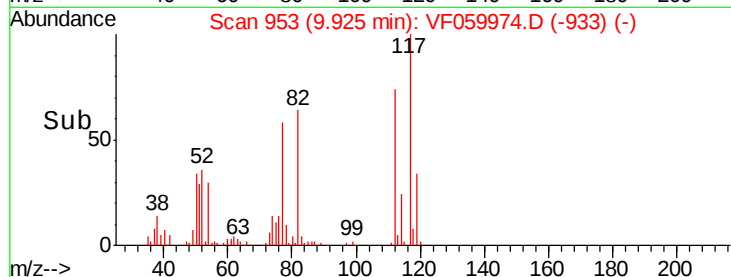
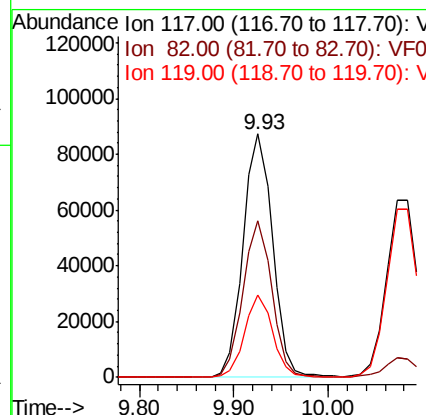
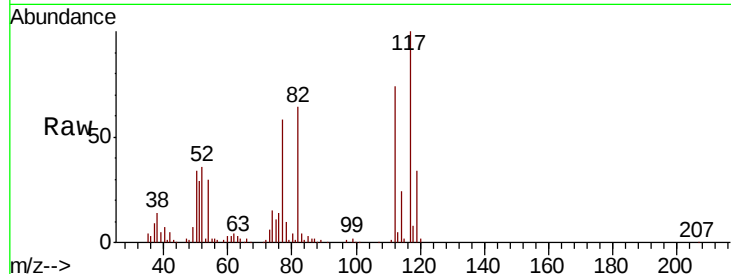
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	189121		
82	64.1	52.0	78.0	
119	33.7	26.6	39.8	

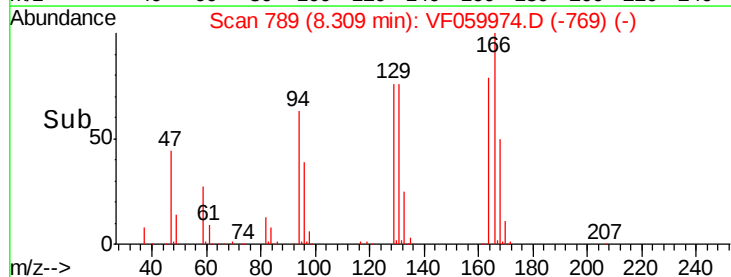
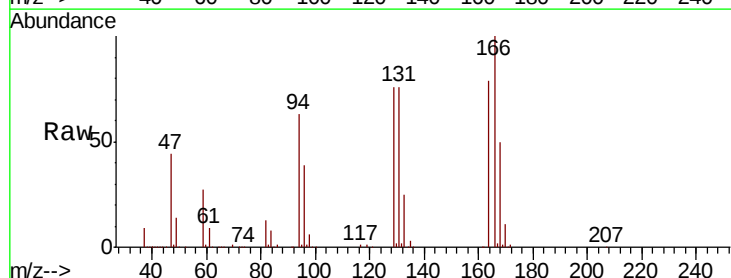
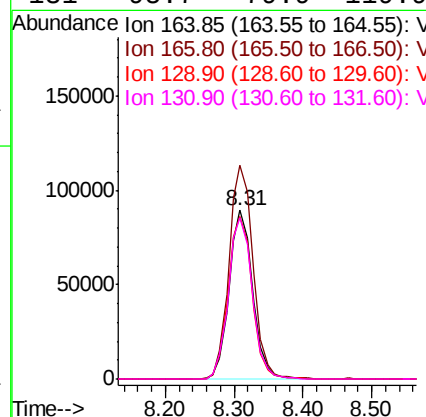
Manual Integrations
APPROVED

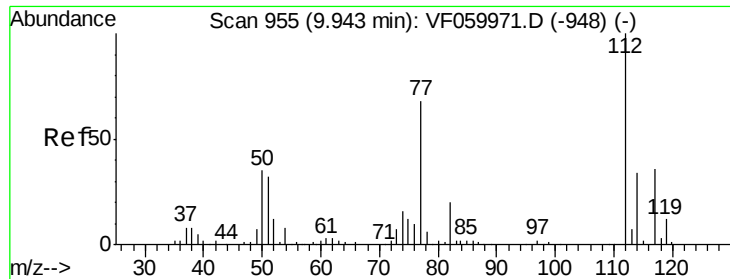
apatel
8/17/2018 11:24:32 AM



#64
Tetrachloroethene
Concen: 143.38 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210586		
166	126.8	102.2	153.2	
129	96.3	77.8	116.6	
131	95.7	79.9	119.9	





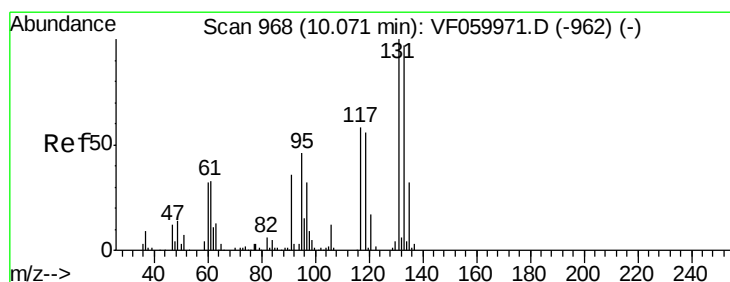
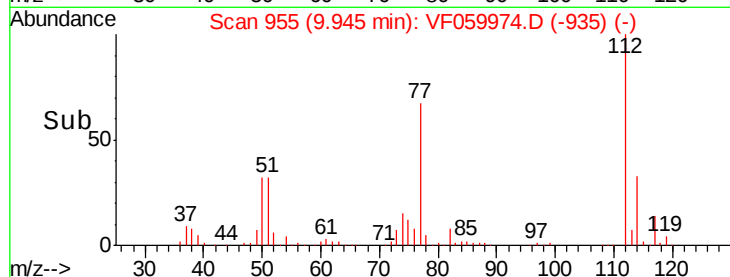
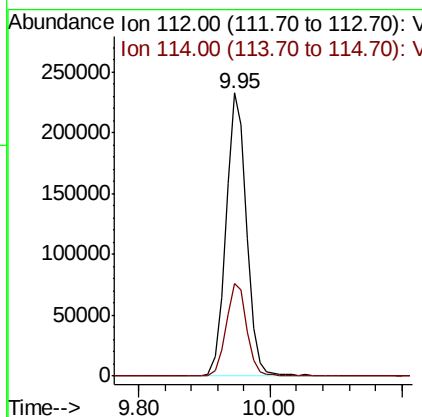
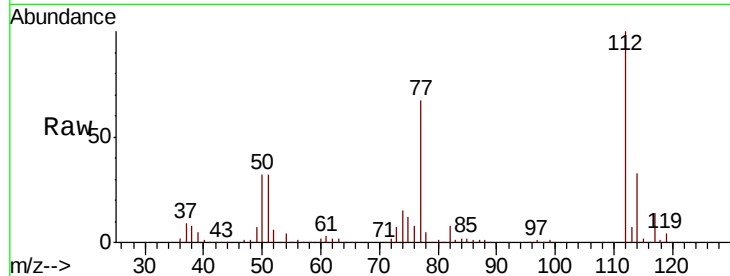
#65
Chlorobenzene
Concen: 139.29 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	27.0	40.4

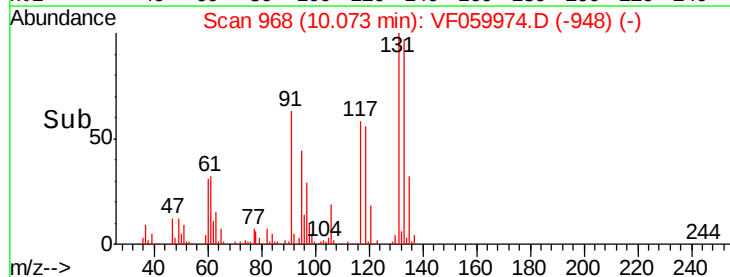
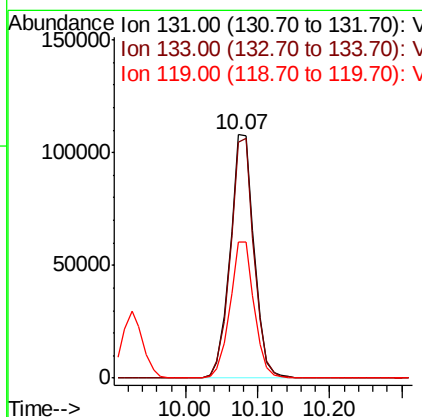
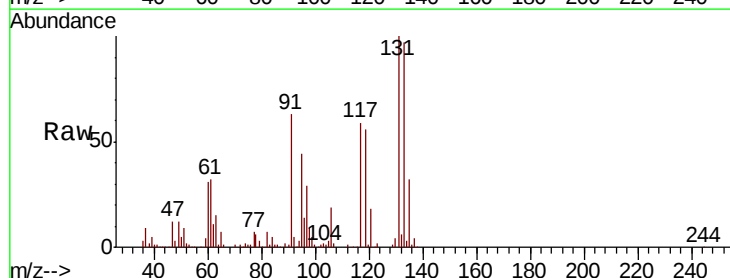
Manual Integrations
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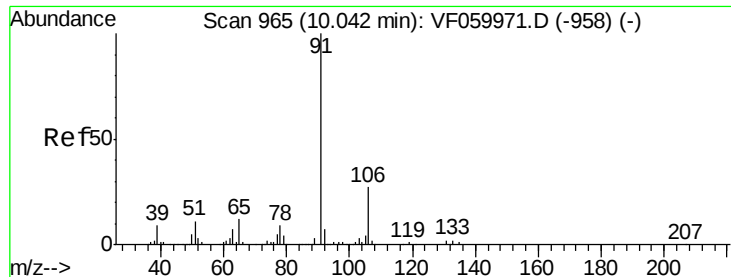
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 141.64 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.5	145.6
119	56.0	28.4	85.2





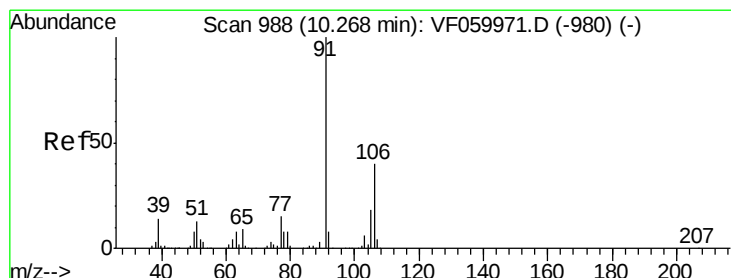
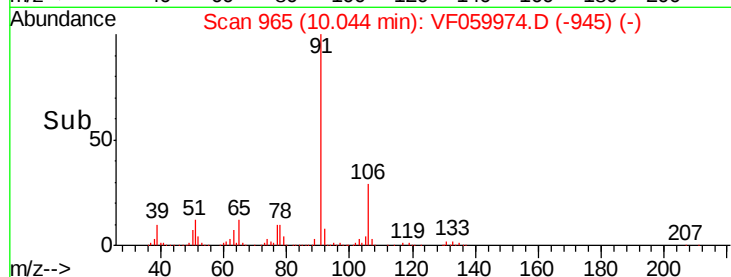
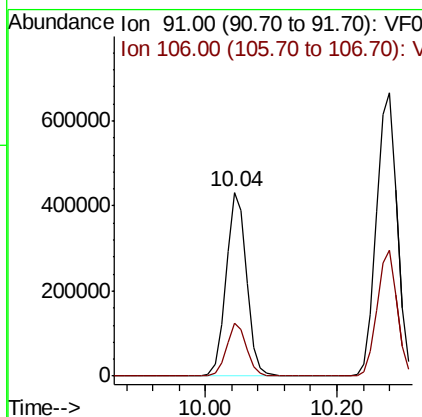
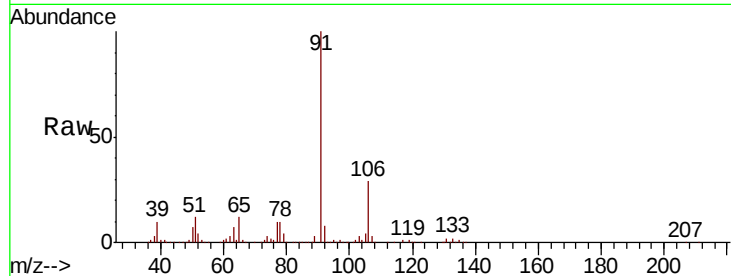
#67
Ethyl Benzene
Concen: 146.01 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 943760
Ion Ratio Lower Upper
91 100
106 28.6 21.8 32.8

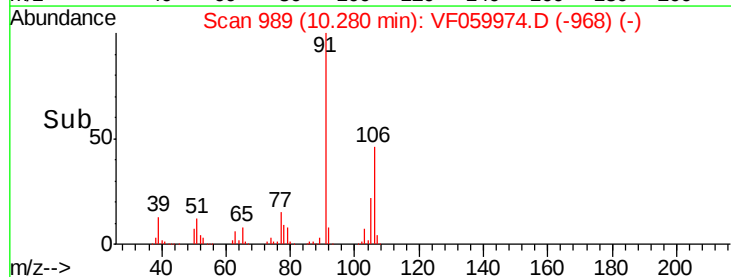
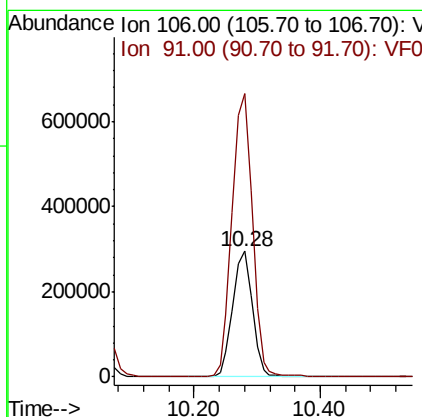
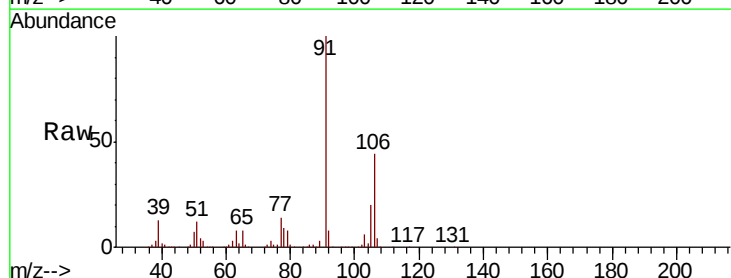
Manual Integrations
APPROVED

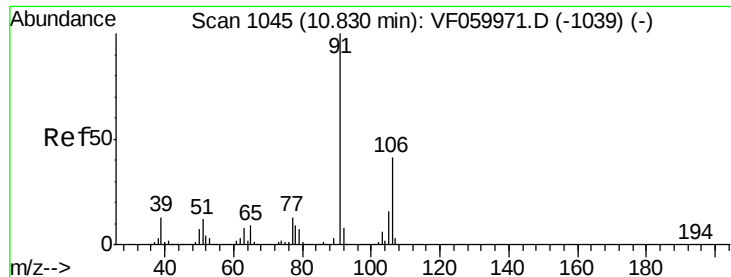
apatel
8/17/2018 11:24:32 AM



#68
m/p-Xylenes
Concen: 293.04 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion: 106 Resp: 638279
Ion Ratio Lower Upper
106 100
91 225.8 198.0 297.0





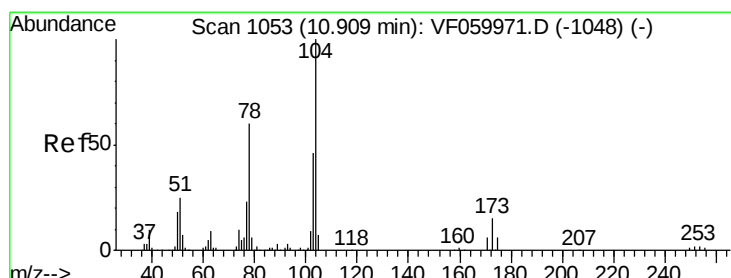
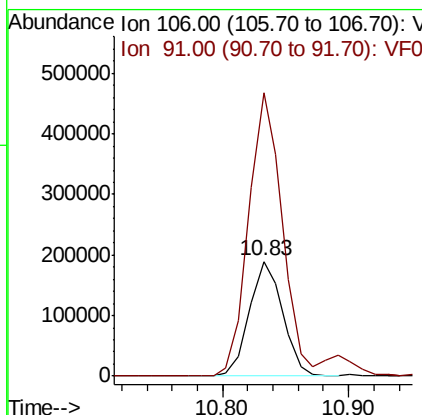
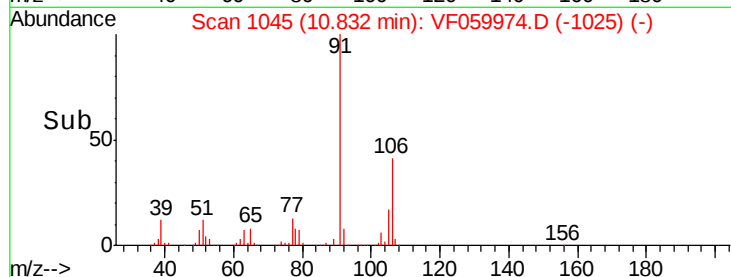
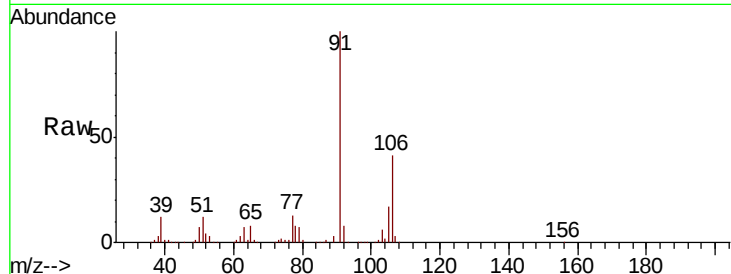
#69
o-Xylene
Concen: 147.84 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	246.9	121.9	365.7

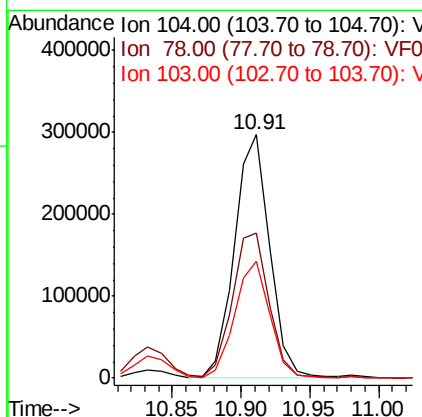
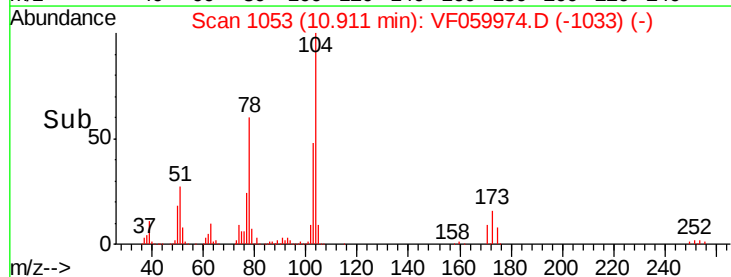
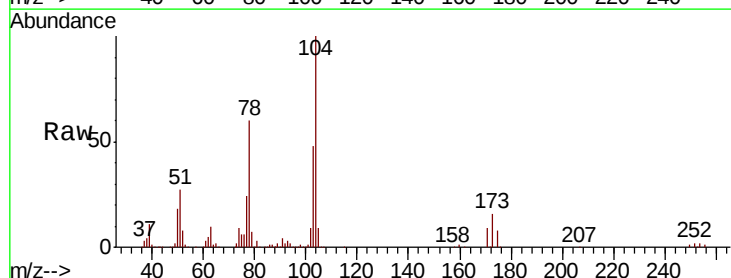
Manual Integrations
APPROVED

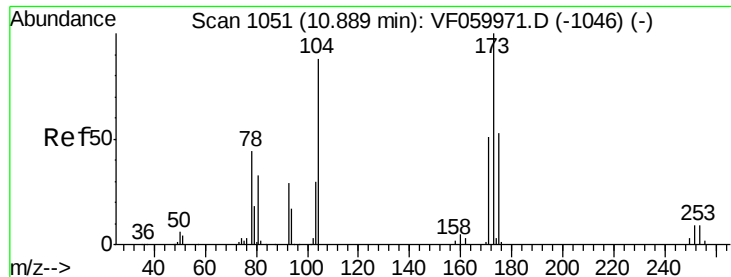
apatel
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#70
Styrene
Concen: 148.63 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.7	49.0	73.4
103	47.8	37.5	56.3





#71

Bromoform

Concen: 194.32 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 225792

Ion Ratio Lower Upper

173 100

175 50.0 26.3 78.8

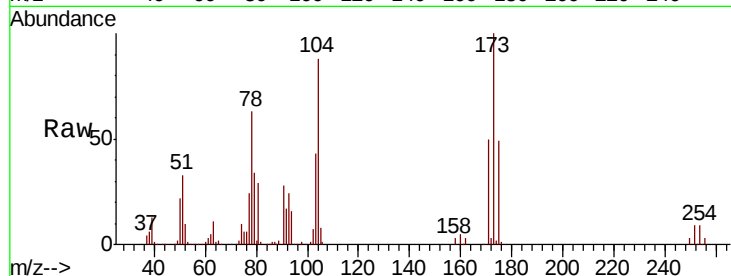
254 0.1 0.0 0.0#

Manual Integrations

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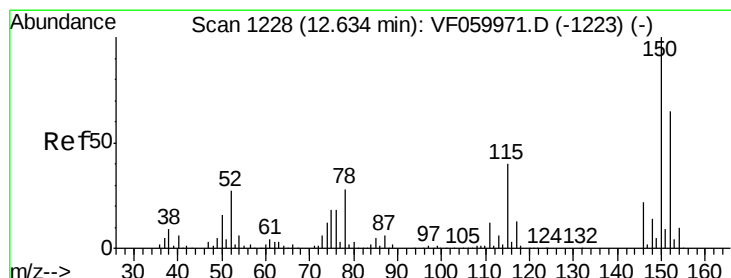
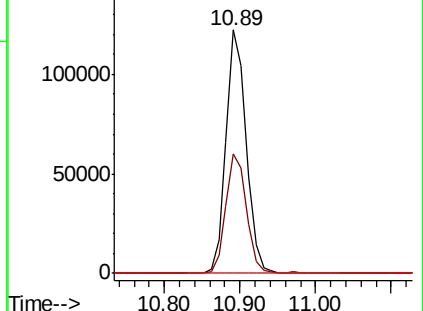
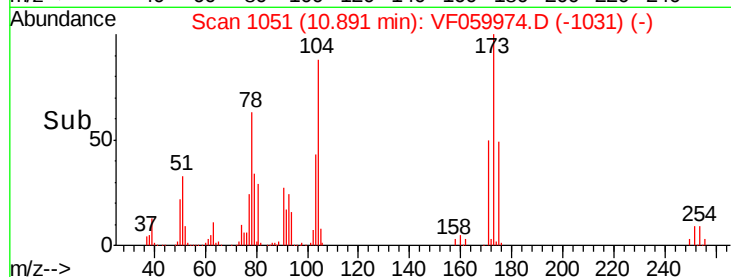
8/17/2018 11:24:32 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

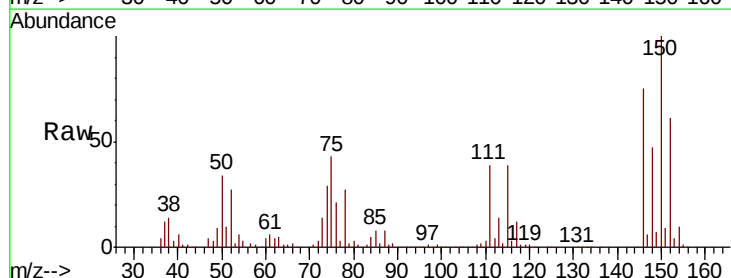
Tgt Ion:152 Resp: 129886

Ion Ratio Lower Upper

152 100

115 64.1 30.6 92.0

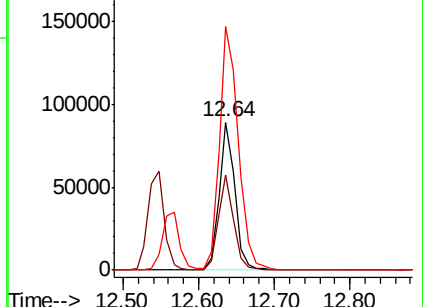
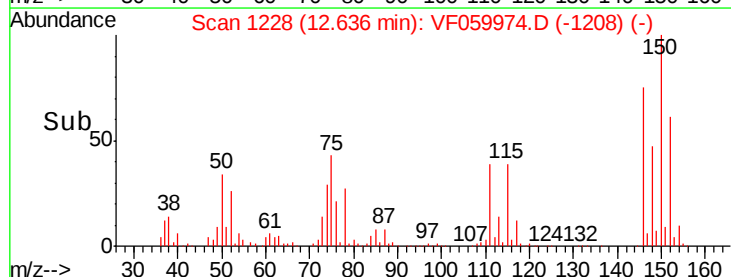
150 164.6 0.0 308.2

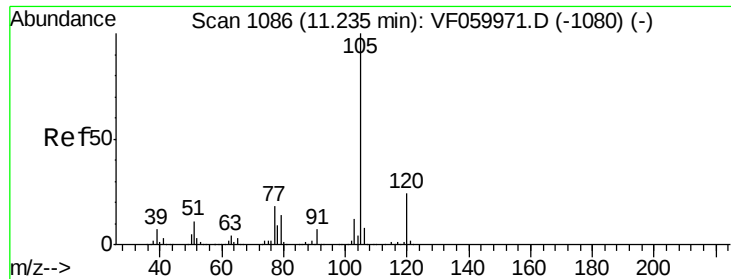


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 135.39 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1087274

Ion Ratio Lower Upper

105 100

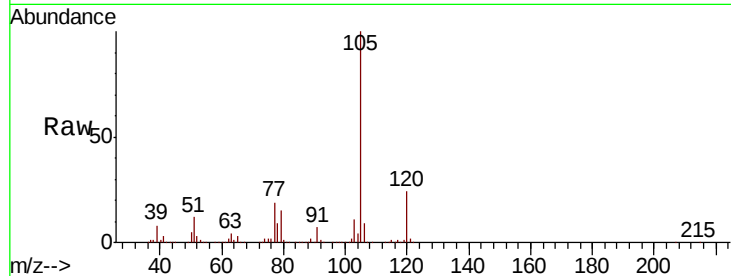
120 23.7 11.9 35.5

Manual Integrations

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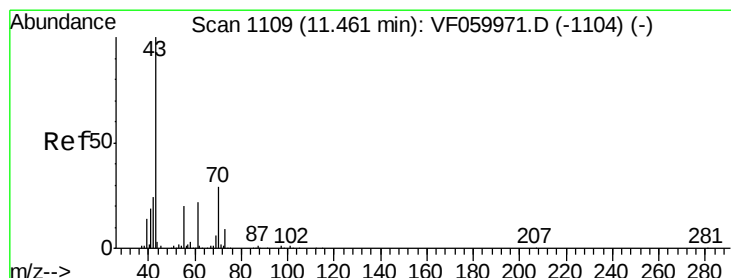
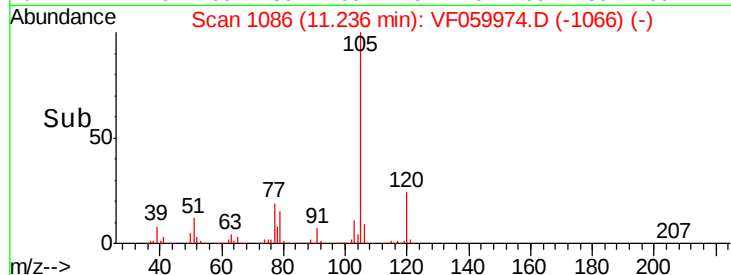
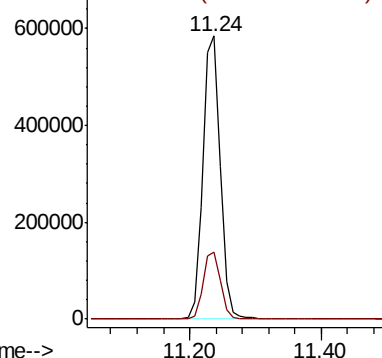
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 216.71 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion: 43 Resp: 421813

Ion Ratio Lower Upper

43 100

70 33.8 23.2 34.8

55 20.2 15.8 23.8

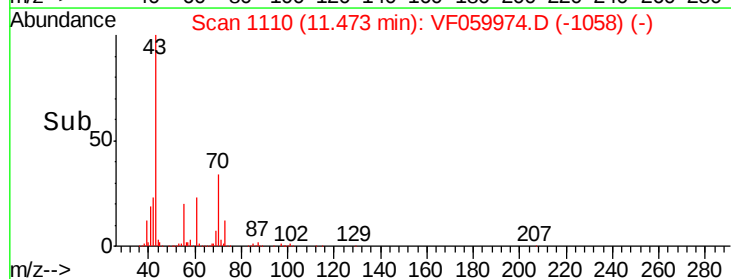
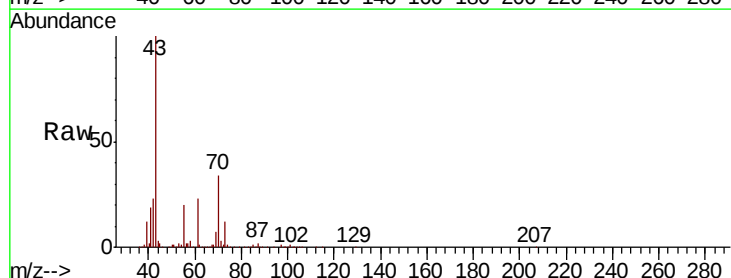
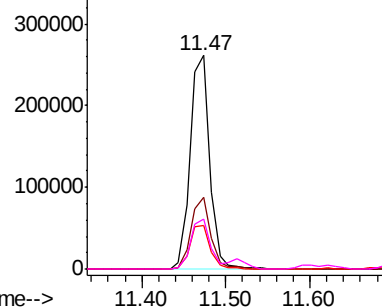
61 23.3 17.6 26.4

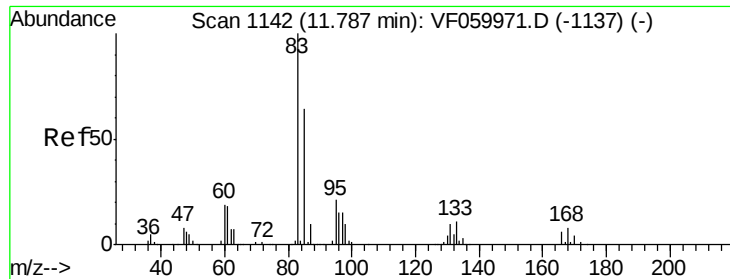
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 182.15 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

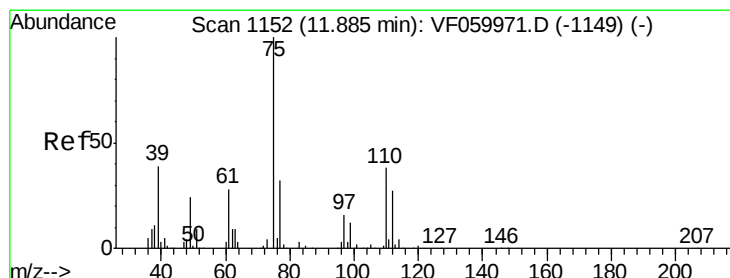
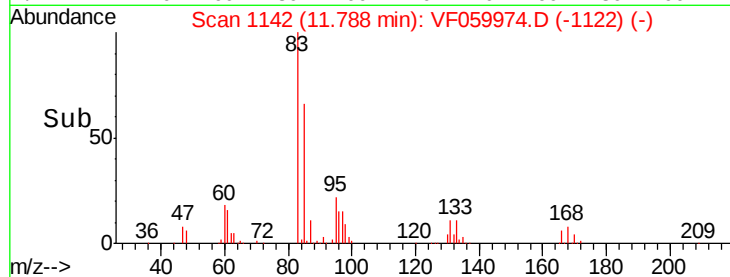
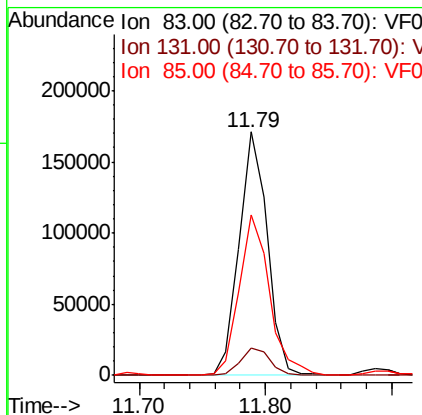
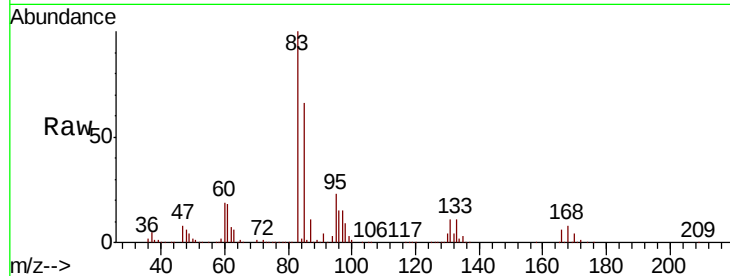
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	264853
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.4
85	66.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 189.79 ug/l

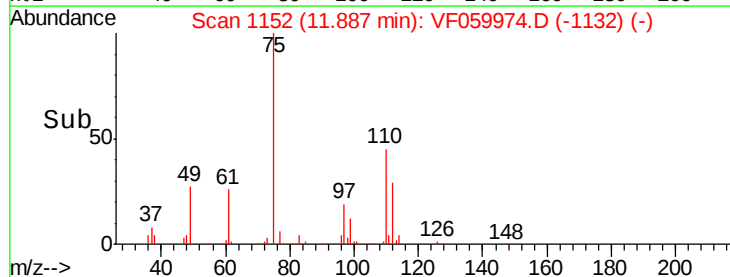
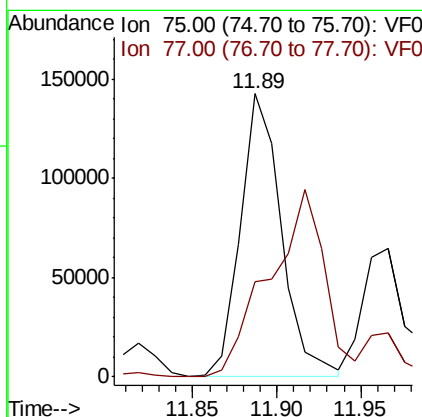
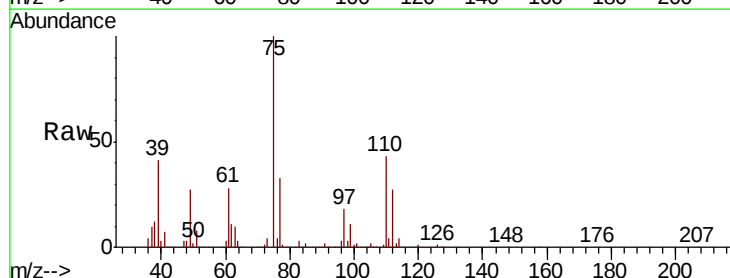
RT: 11.89 min Scan# 1152

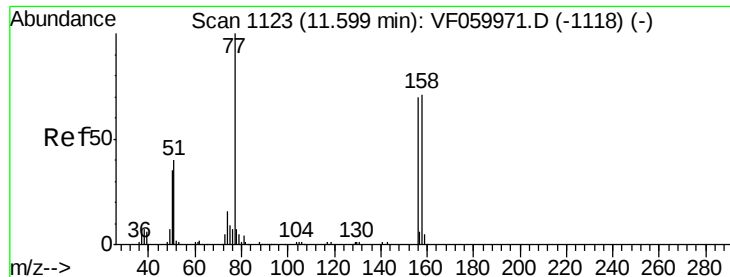
Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Tgt Ion:	75	Resp:	239291
Ion Ratio	Lower	Upper	
75	100		
77	33.5	16.2	48.5





#77

Bromobenzene

Concen: 140.75 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 301886

Ion Ratio Lower Upper

156 100

77 137.6 71.9 215.6

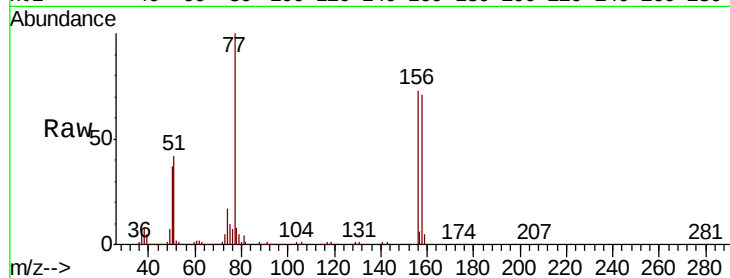
158 97.4 51.2 153.6

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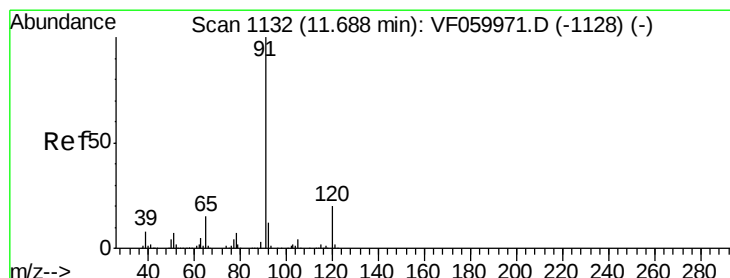
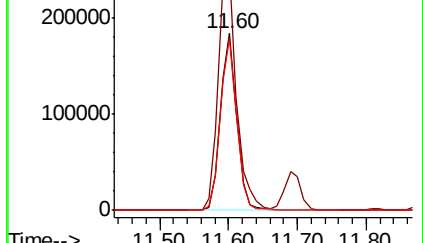
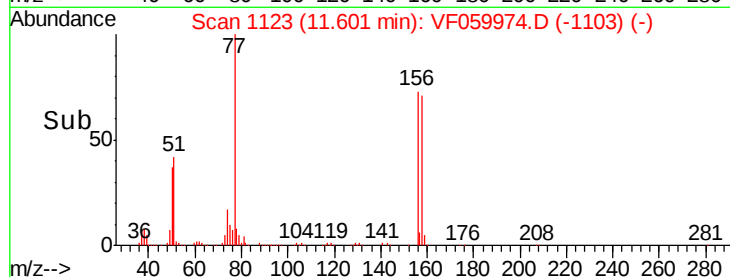


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

Time-->



#78

n-propylbenzene

Concen: 132.83 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059974.D

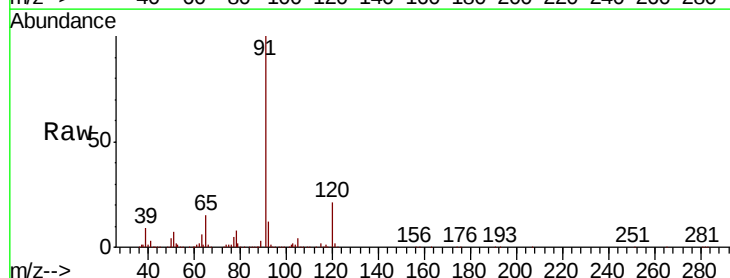
Acq: 16 Aug 2018 21:58

Tgt Ion: 91 Resp: 1257363

Ion Ratio Lower Upper

91 100

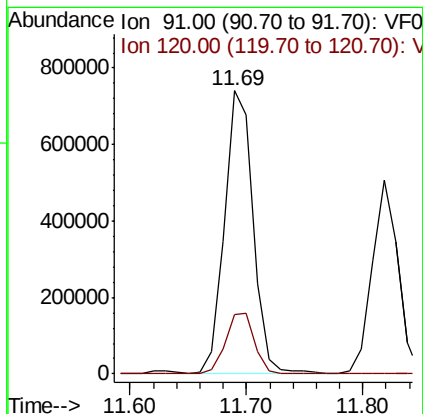
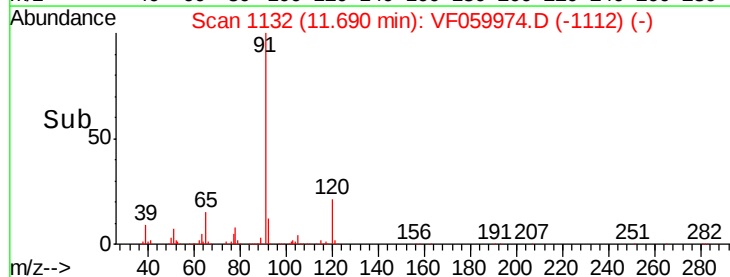
120 21.0 10.2 30.6

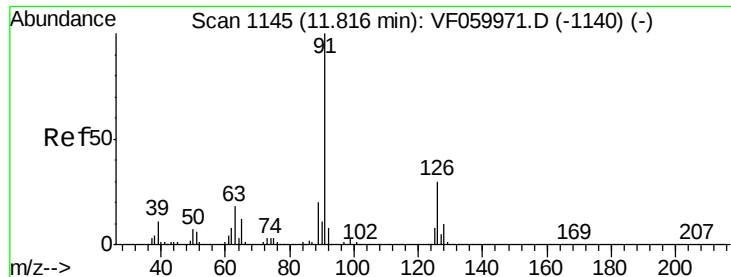


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

Time-->





#79

2-Chlorotoluene

Concen: 130.21 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 774653

Ion Ratio Lower Upper

91 100

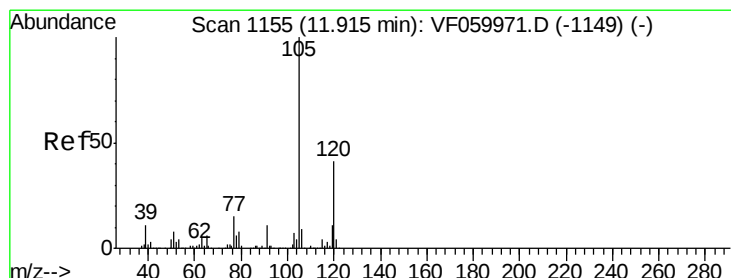
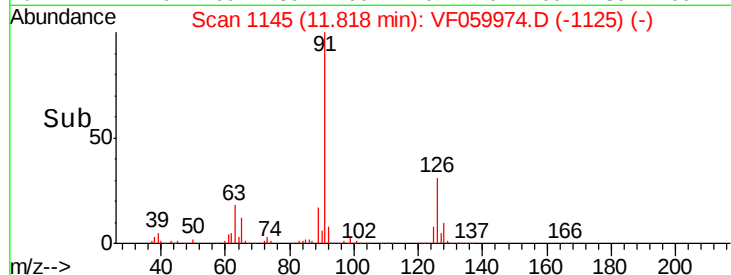
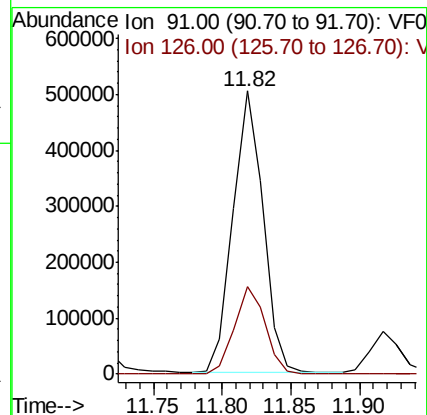
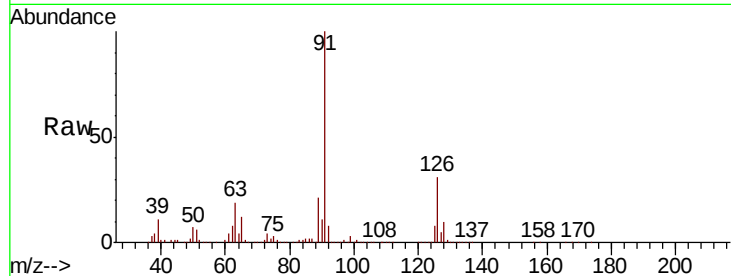
126 31.0 14.9 44.9

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#80

1,3,5-Trimethylbenzene

Concen: 128.16 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059974.D

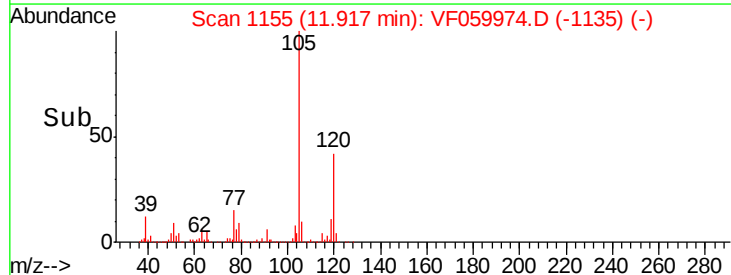
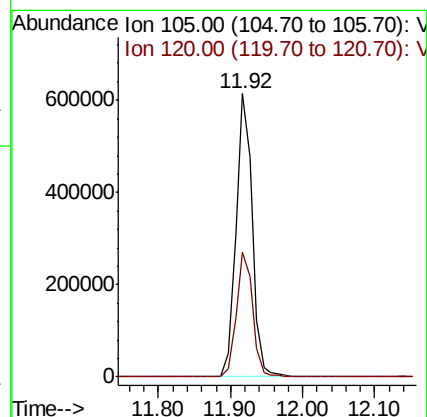
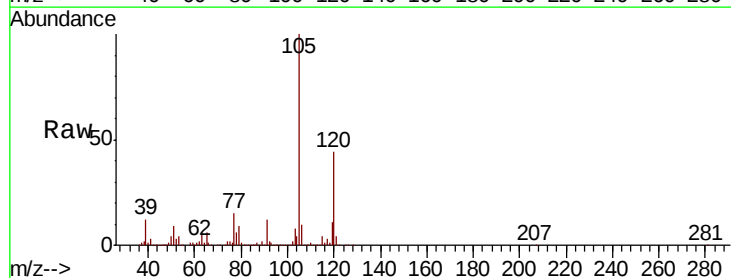
Acq: 16 Aug 2018 21:58

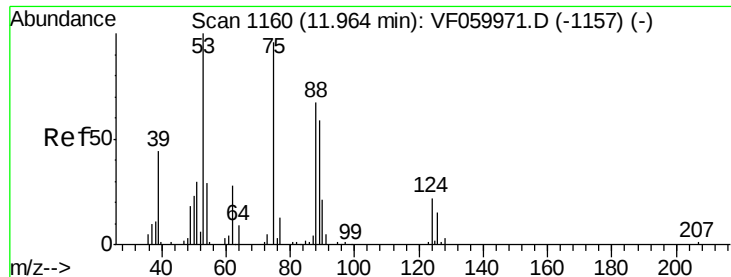
Tgt Ion: 105 Resp: 959304

Ion Ratio Lower Upper

105 100

120 43.9 20.6 61.8





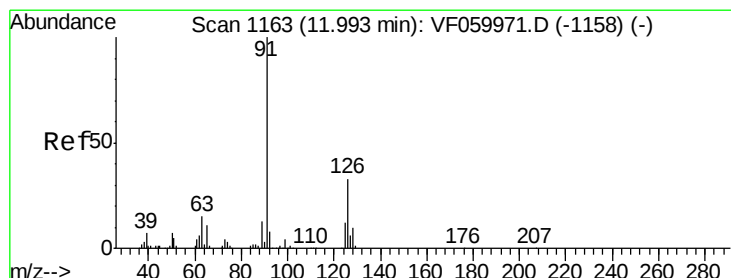
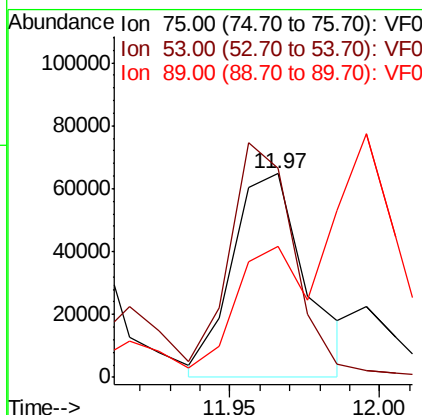
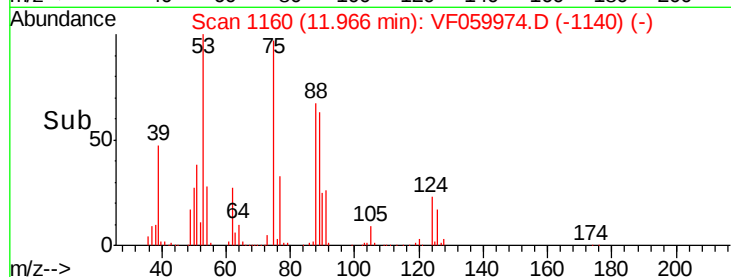
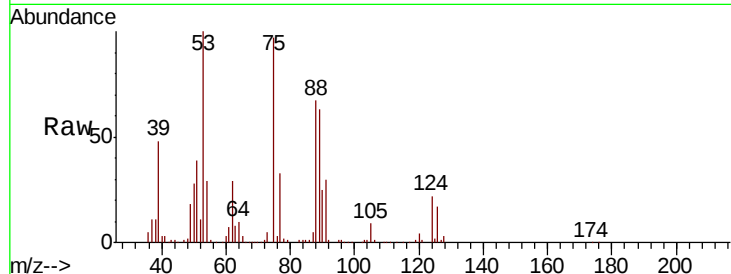
#81
trans-1,4-Dichloro-2-butene
Concen: 210.84 ug/l m
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	85.1	127.7
89	64.2	50.2	75.4

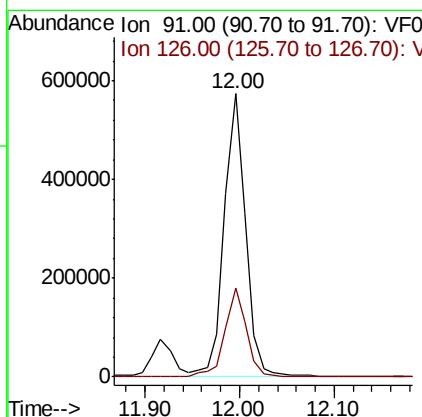
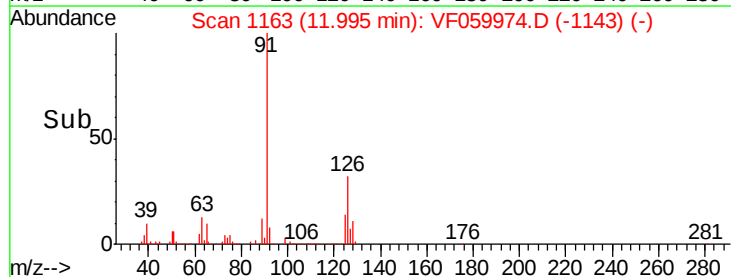
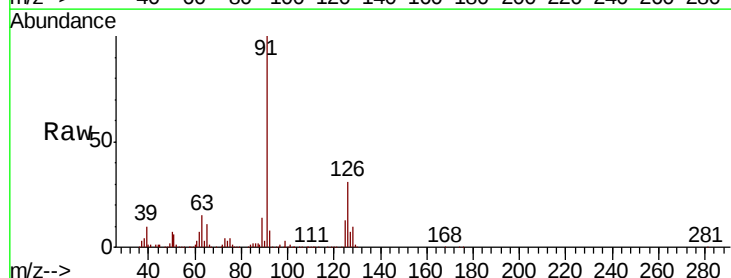
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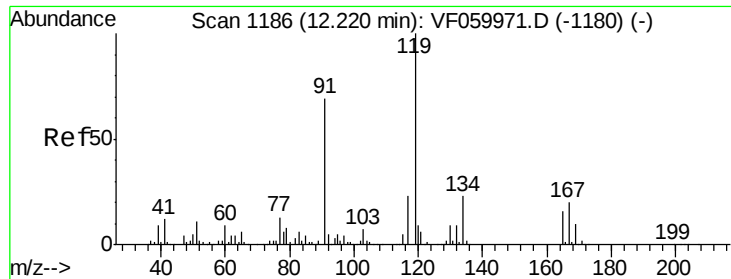
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#82
4-Chlorotoluene
Concen: 135.55 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.4	49.2





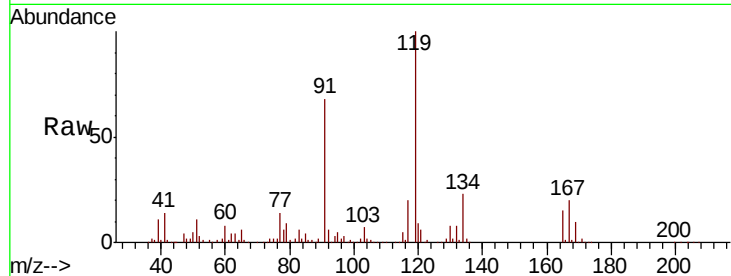
#83
 tert-Butylbenzene
 Concen: 122.08 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

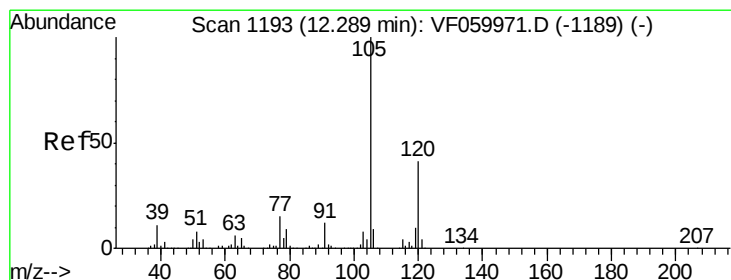
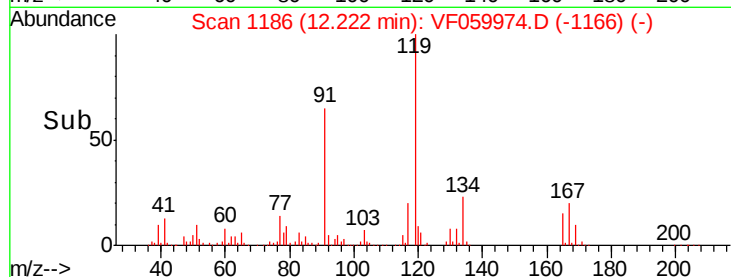
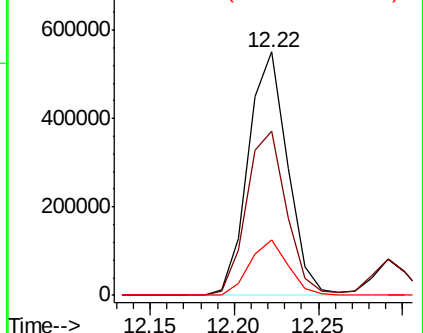
Tot Ion	Ratio	Resp	Lower	Upper
119	100	894399		
91	67.7		34.8	104.3
134	22.7		11.5	34.4

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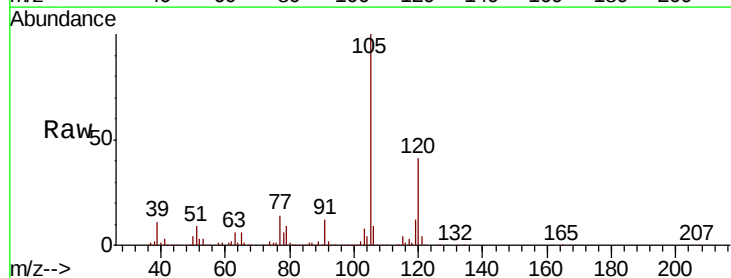


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

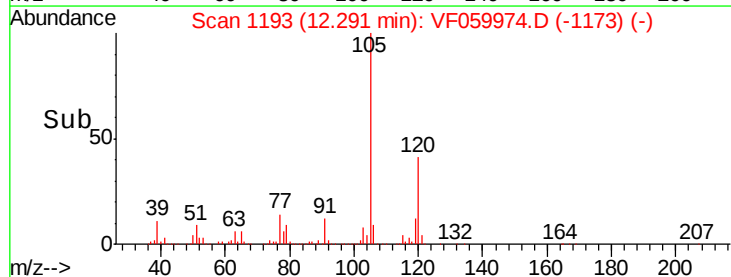
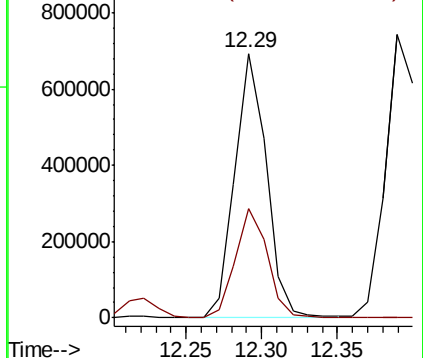


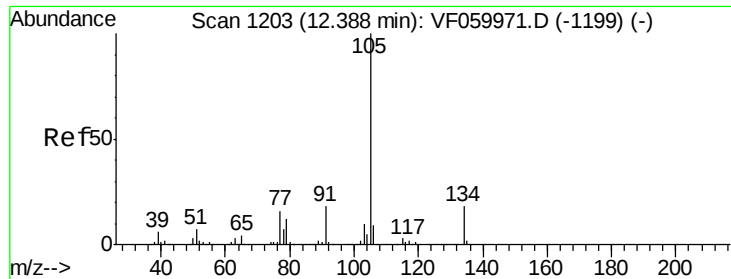
#84
 1,2,4-Trimethylbenzene
 Concen: 134.07 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1008828		
120	41.5		20.6	61.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 124.10 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1156814

Ion Ratio Lower Upper

105 100

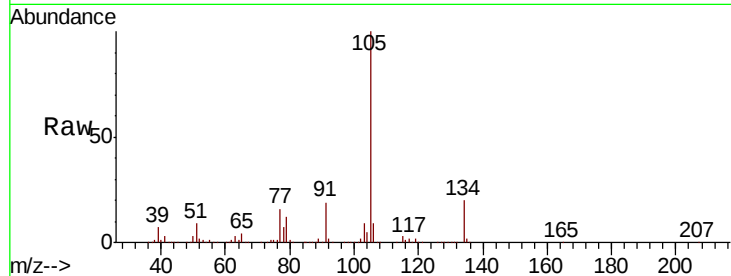
134 19.6 8.9 26.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

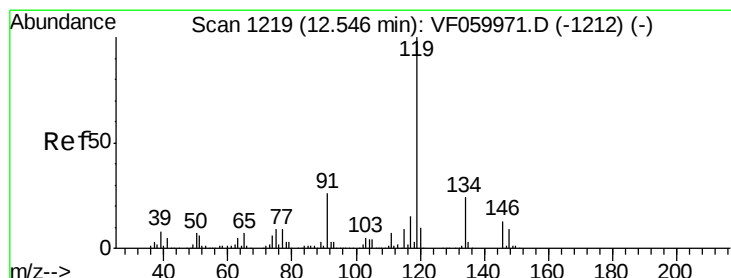
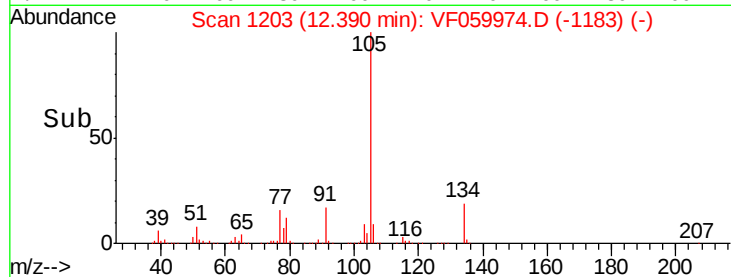
0

12.30

12.40

12.50

Time-->



#86

p-Isopropyltoluene

Concen: 128.52 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059974.D

Acq: 16 Aug 2018 21:58

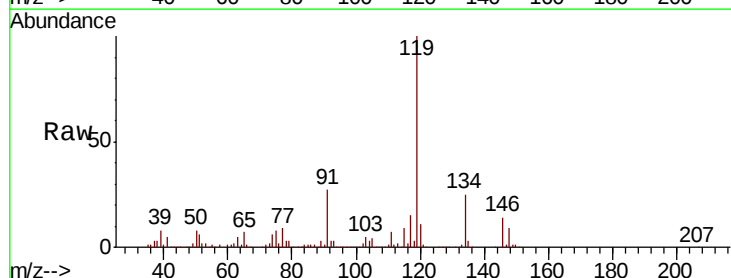
Tgt Ion:119 Resp: 1059242

Ion Ratio Lower Upper

119 100

134 24.9 12.0 36.1

91 27.0 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

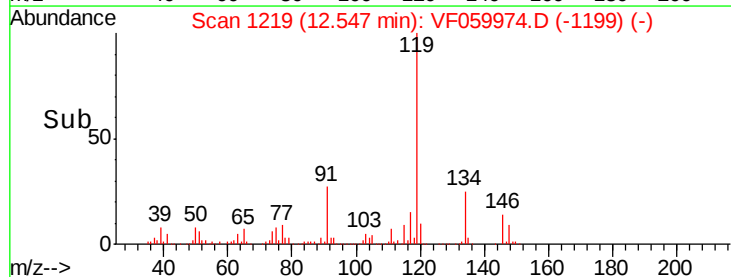
200000

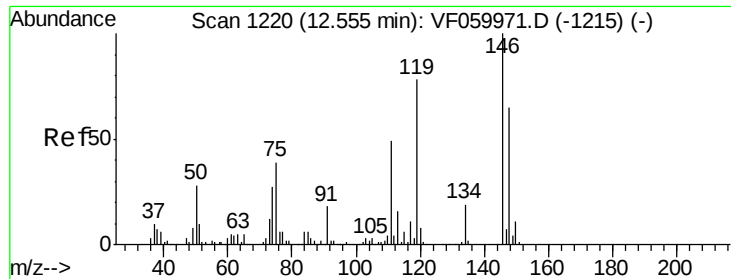
0

12.50

12.60

Time-->





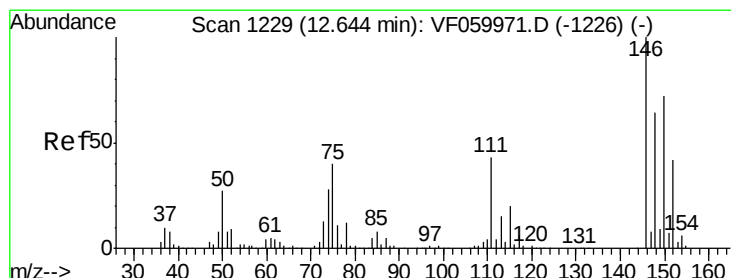
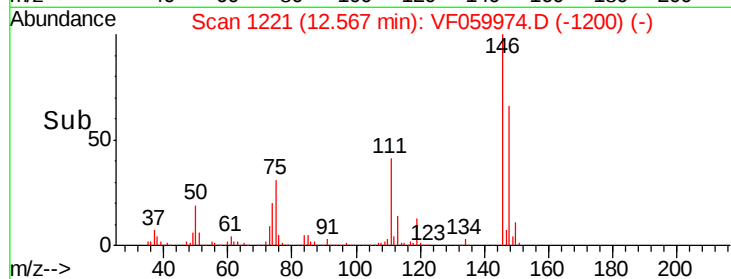
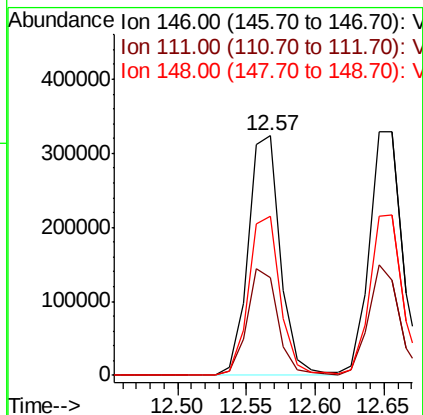
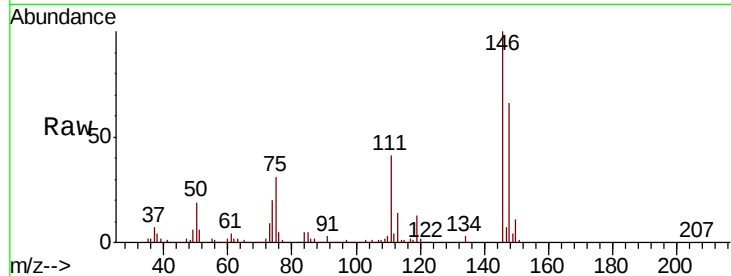
#87
 1,3-Dichlorobenzene
 Concen: 131.00 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	24.4	73.2
148	66.4	32.3	96.8

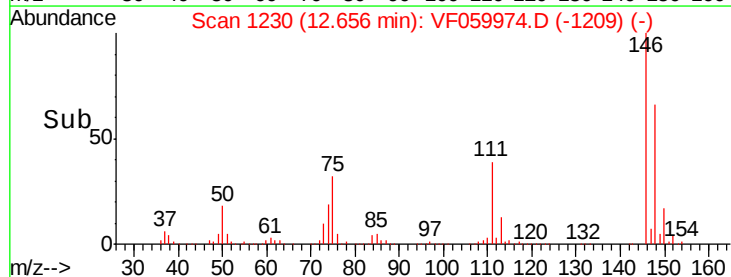
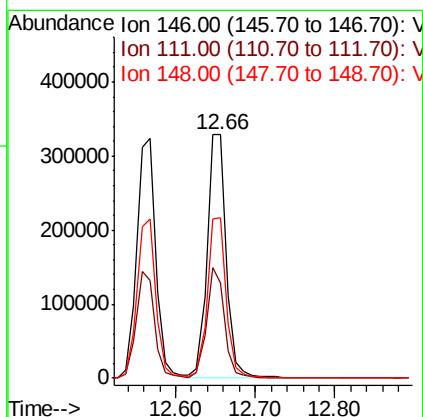
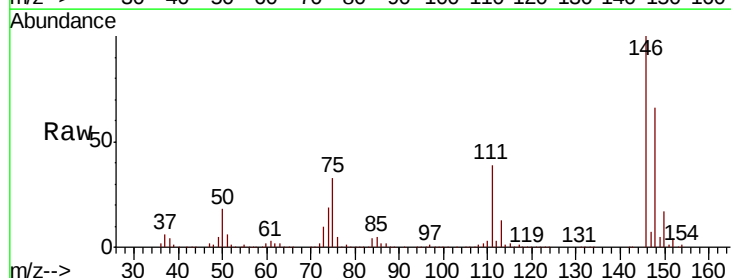
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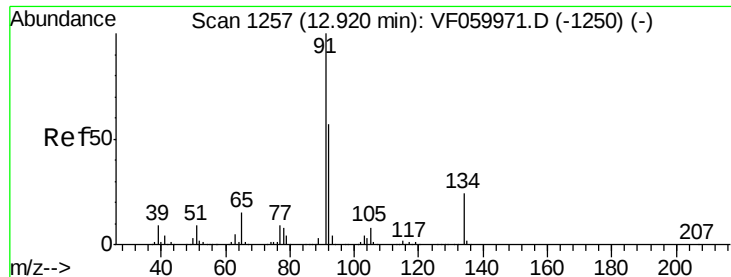
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#88
 1,4-Dichlorobenzene
 Concen: 138.83 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.4	64.2
148	65.9	31.9	95.7





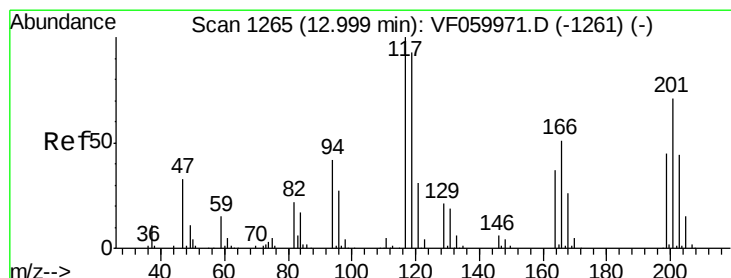
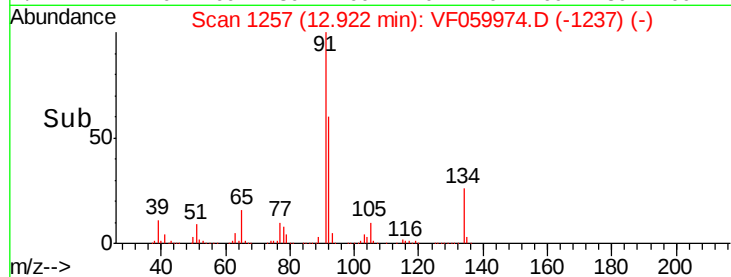
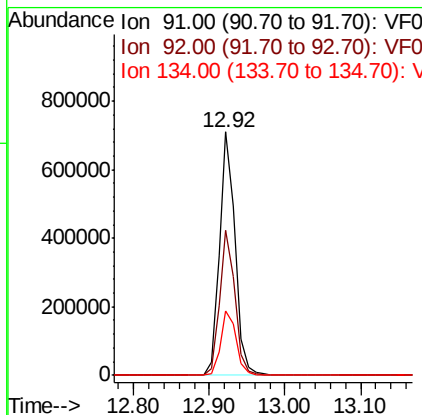
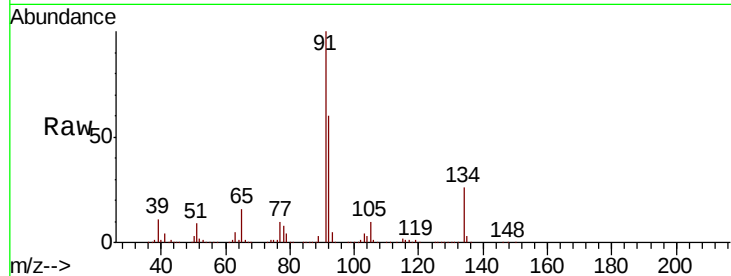
#89
n-Butylbenzene
Concen: 128.40 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.8	28.3	85.0
134	26.2	11.9	35.7

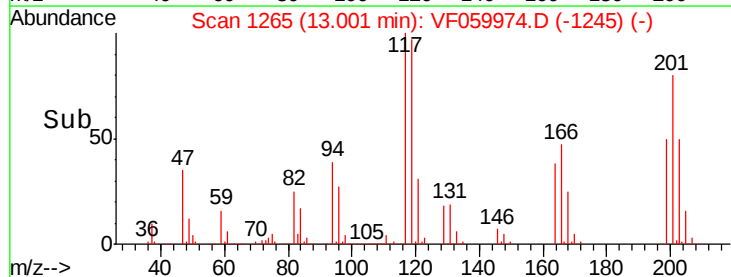
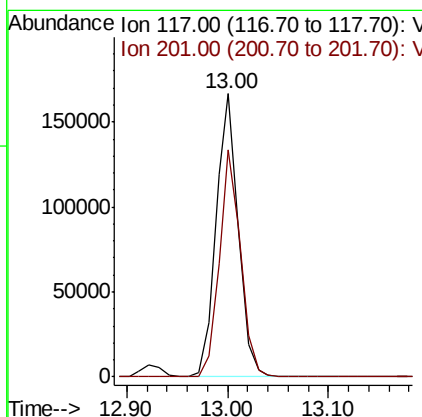
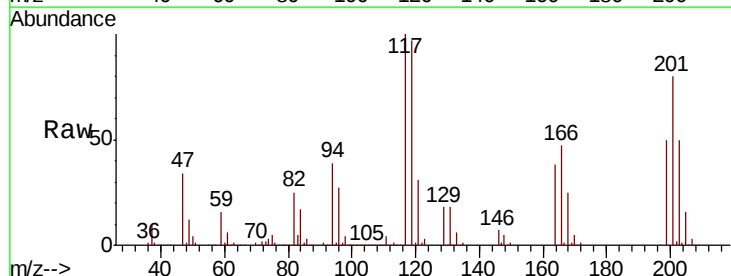
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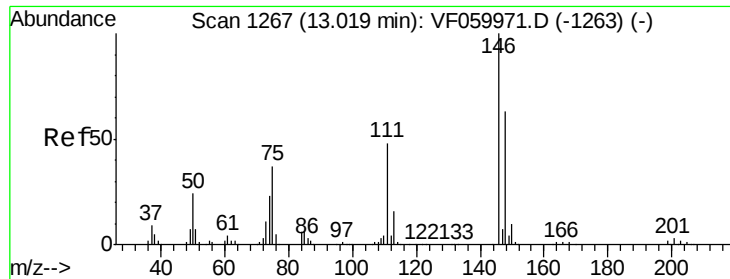
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#90
Hexachloroethane
Concen: 126.53 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	35.3	105.7





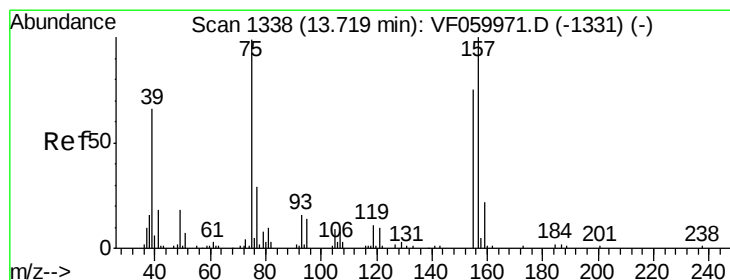
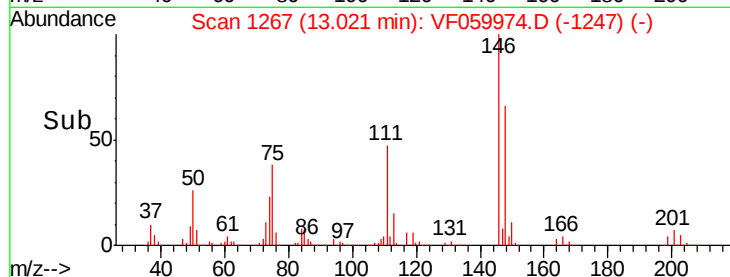
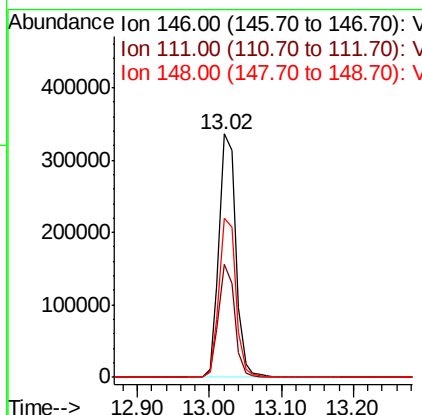
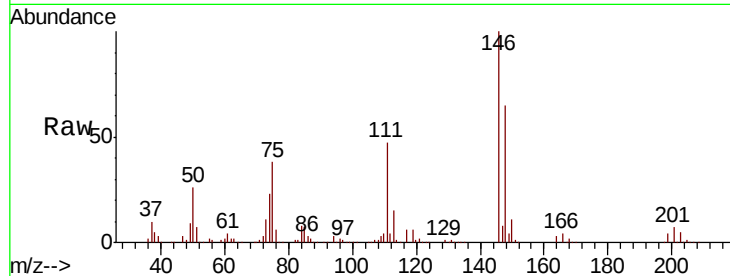
#91
 1,2-Dichlorobenzene
 Concen: 136.51 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.9	71.8
148	65.5	31.4	94.3

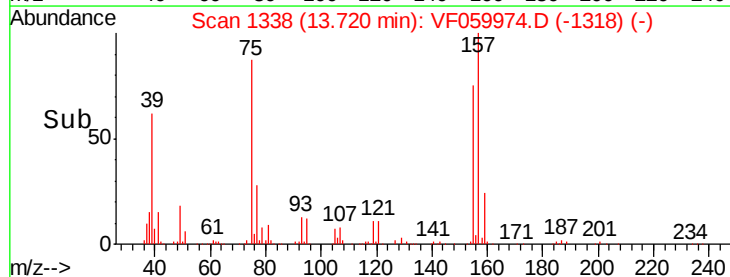
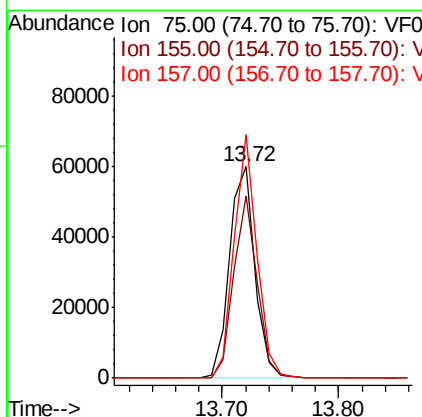
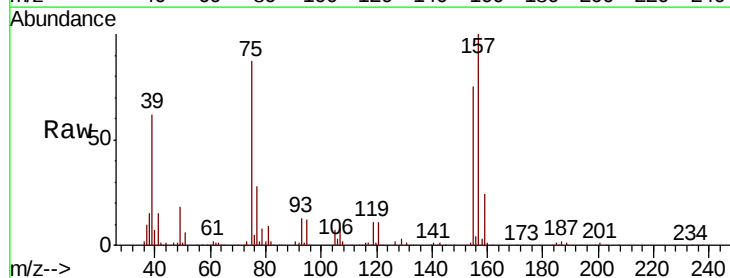
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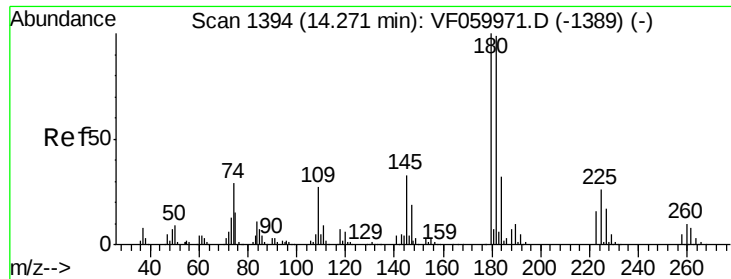
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 222.78 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	38.0	114.0
157	115.1	50.6	151.8





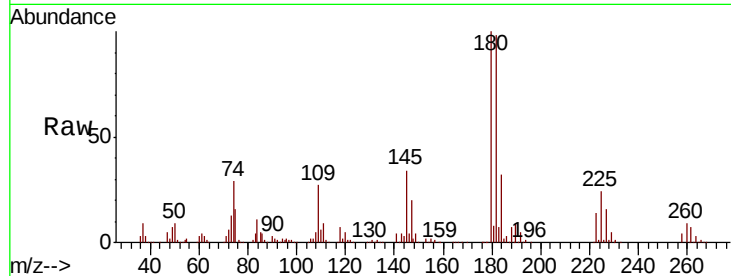
#93
 1,2,4-Trichlorobenzene
 Concen: 130.84 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	412209		
182	98.0	49.7	149.1	
145	33.9	16.4	49.4	

Manual Integrations
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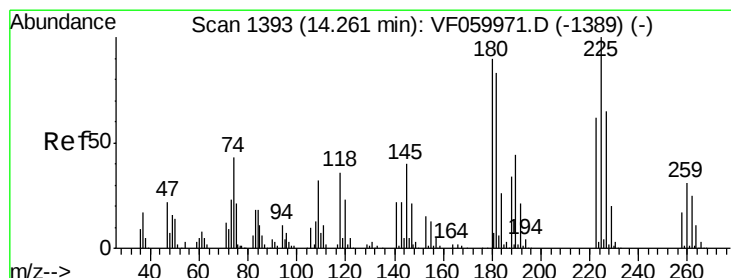
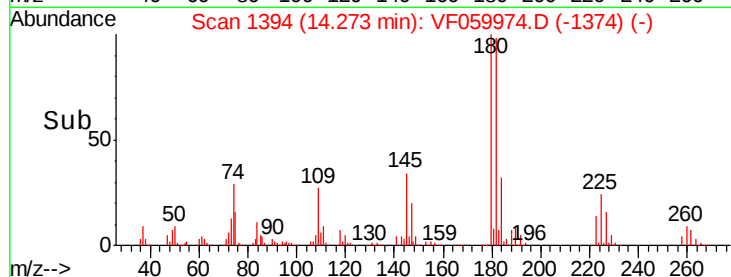
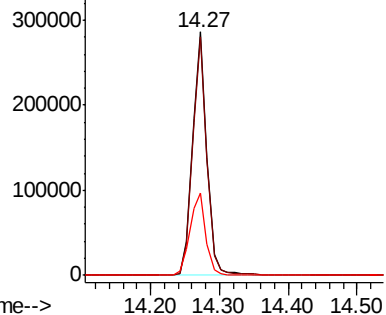


Abundance

Ion 180.00 (179.70 to 180.70): V

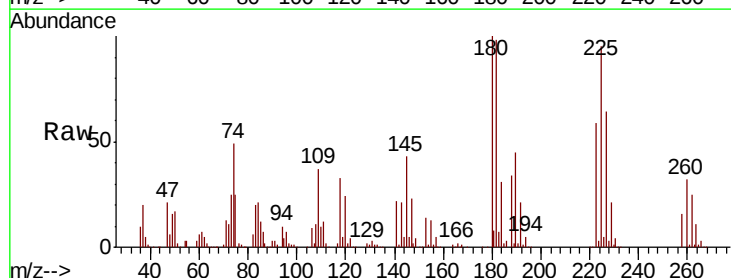
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 119.69 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059974.D
 Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	264718		
223	61.8	31.0	93.0	
227	67.3	32.4	97.2	

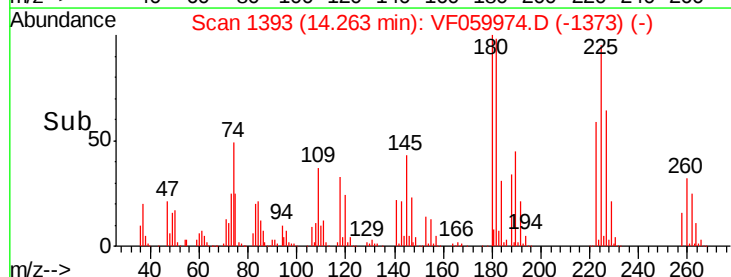
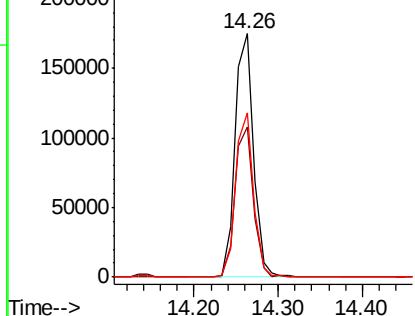


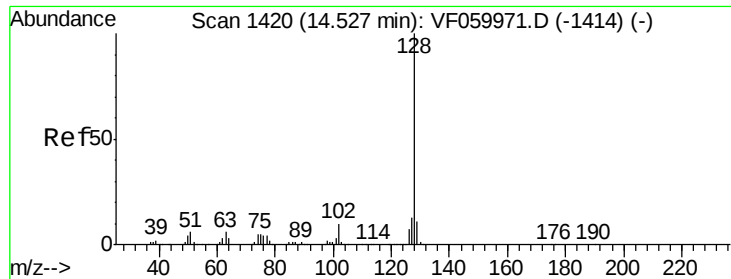
Abundance

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





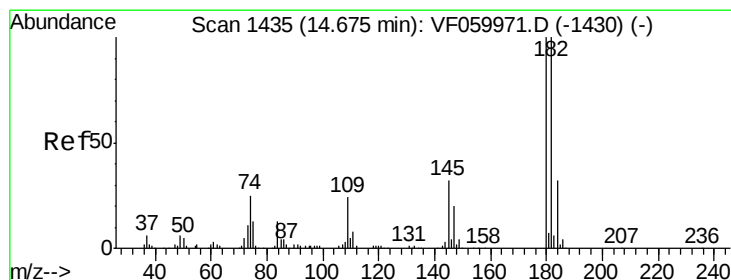
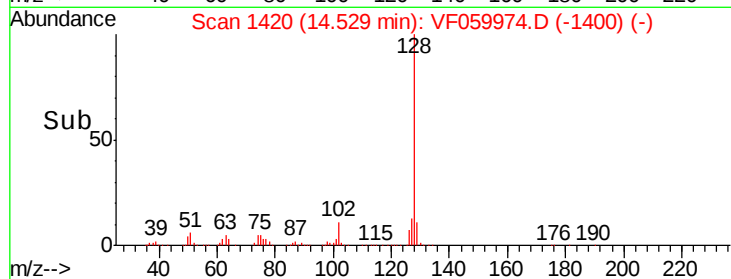
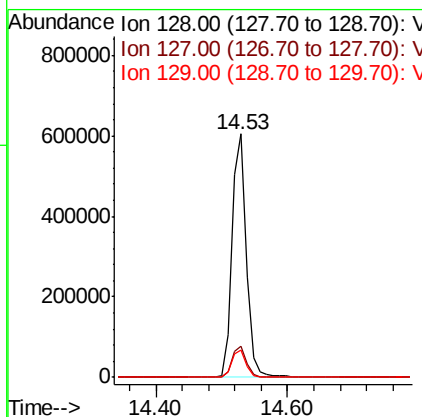
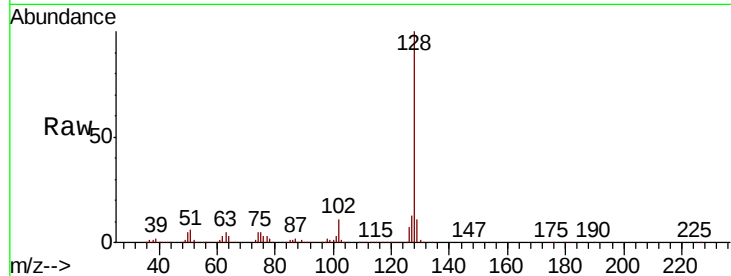
#95
Naphthalene
Concen: 175.36 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	926946		
127	12.6		10.2	15.4
129	11.3		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 143.99 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059974.D
Acq: 16 Aug 2018 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	436280		
182	98.5		49.9	149.7
145	35.7		16.2	48.5

