

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013104.D
 Acq On : 18 Sep 2019 10:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:22:06 AM

Quant Time: Sep 19 08:09:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	223270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139282	42.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.84%	
35) Dibromofluoromethane	7.88	113	136014	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.32	98	554817	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	190912	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	64068	46.794	ug/l	96
3) Chloromethane	2.21	50	76509	44.153	ug/l	98
4) Vinyl Chloride	2.36	62	110145	43.284	ug/l	98
5) Bromomethane	2.78	94	67979	43.744	ug/l	99
6) Chloroethane	2.92	64	69978	44.837	ug/l	96
7) Trichlorofluoromethane	3.25	101	72827	40.925	ug/l	100
8) Diethyl Ether	3.68	74	66621	47.946	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	129921	48.137	ug/l	99
10) Methyl Iodide	4.27	142	174035	51.524	ug/l	95
11) Tert butyl alcohol	5.20	59	44857	197.914	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	120996	49.305	ug/l	96
13) Acrolein	3.89	56	51854	213.188	ug/l	99
14) Allyl chloride	4.66	41	214716	46.088	ug/l	92
15) Acrylonitrile	5.37	53	163563	230.474	ug/l	99
16) Acetone	4.14	43	154545	214.103	ug/l	99
17) Carbon Disulfide	4.38	76	218341	44.646	ug/l	99
18) Methyl Acetate	4.67	43	76027	40.641	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	226863	46.832	ug/l	97
20) Methylene Chloride	4.92	84	138236	52.355	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130945	49.820	ug/l	98
22) Diisopropyl ether	6.31	45	466655	48.216	ug/l	96
23) Vinyl Acetate	6.25	43	1336379	230.539	ug/l	96
24) 1,1-Dichloroethane	6.21	63	263055	47.141	ug/l	97
25) 2-Butanone	7.17	43	217068	207.903	ug/l	95
26) 2,2-Dichloropropane	7.16	77	166737	46.805	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	158199	50.274	ug/l	93
28) Bromochloromethane	7.51	49	113685	48.403	ug/l	92
29) Tetrahydrofuran	7.53	42	132578	222.858	ug/l	97
30) Chloroform	7.67	83	264996	46.737	ug/l	97
31) Cyclohexane	7.95	56	207915	49.601	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	210081	44.992	ug/l	97
36) 1,1-Dichloropropene	8.08	75	191820	46.312	ug/l	97
37) Ethyl Acetate	7.25	43	93706	42.623	ug/l	96
38) Carbon Tetrachloride	8.06	117	186978	44.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	221268	48.752	ug/l	95
40) Benzene	8.32	78	568048	49.127	ug/l	99
41) Methacrylonitrile	7.48	41	62789m	43.369	ug/l	
42) 1,2-Dichloroethane	8.40	62	161187	41.585	ug/l	94
43) Isopropyl Acetate	8.42	43	181492	42.996	ug/l	96
44) Trichloroethene	9.09	130	156741	49.490	ug/l	89
45) 1,2-Dichloropropane	9.37	63	150790	49.084	ug/l	99
46) Dibromomethane	9.46	93	71976	48.903	ug/l	98
47) Bromodichloromethane	9.64	83	197191	47.764	ug/l	96
48) Methyl methacrylate	9.43	41	84309	42.558	ug/l	90
49) 1,4-Dioxane	9.46	88	20021	811.811	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	469664	215.514	ug/l	95
52) Toluene	10.38	92	370684	50.451	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	197127	47.477	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	232780	48.999	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	113182	50.479	ug/l	99
56) Ethyl methacrylate	10.65	69	149216	49.442	ug/l	89
57) 1,3-Dichloropropane	10.93	76	195135	49.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	403885	249.474	ug/l	98
59) 2-Hexanone	10.97	43	330979	218.115	ug/l	96
60) Dibromochloromethane	11.13	129	130951	48.308	ug/l	95
61) 1,2-Dibromoethane	11.23	107	99520	48.656	ug/l	99
64) Tetrachloroethene	10.86	164	132003	49.976	ug/l	96
65) Chlorobenzene	11.66	112	400750	50.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	149620	49.368	ug/l	98
67) Ethyl Benzene	11.73	91	737200	50.472	ug/l	98
68) m/p-Xylenes	11.84	106	553681	103.766	ug/l	95
69) o-Xylene	12.16	106	262665	52.507	ug/l	94
70) Styrene	12.18	104	463036	52.033	ug/l	97
71) Bromoform	12.35	173	78656	49.409	ug/l #	99
73) Isopropylbenzene	12.46	105	738375	49.894	ug/l	99
74) N-amyl acetate	12.27	43	172210	45.236	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	127521	49.061	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	79638m	40.722	ug/l	
77) Bromobenzene	12.74	156	173172	50.794	ug/l	95
78) n-propylbenzene	12.80	91	872647	50.129	ug/l	98
79) 2-Chlorotoluene	12.89	91	490955	49.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	625757	49.981	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	42032	48.755	ug/l	93
82) 4-Chlorotoluene	12.99	91	516318	48.900	ug/l	96
83) tert-Butylbenzene	13.21	119	563865	50.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	622717	50.334	ug/l	97
85) sec-Butylbenzene	13.38	105	779172	51.068	ug/l	100
86) p-Isopropyltoluene	13.50	119	709927	50.680	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	343216	50.854	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	338326	51.012	ug/l	98
89) n-Butylbenzene	13.82	91	660890	50.026	ug/l	99
90) Hexachloroethane	14.09	117	123057	49.021	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	303784	51.184	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19913	41.854	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	223111	52.711	ug/l	99
94) Hexachlorobutadiene	15.24	225	141783	47.317	ug/l	97
95) Naphthalene	15.36	128	369039	52.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	190337	50.870	ug/l	100

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

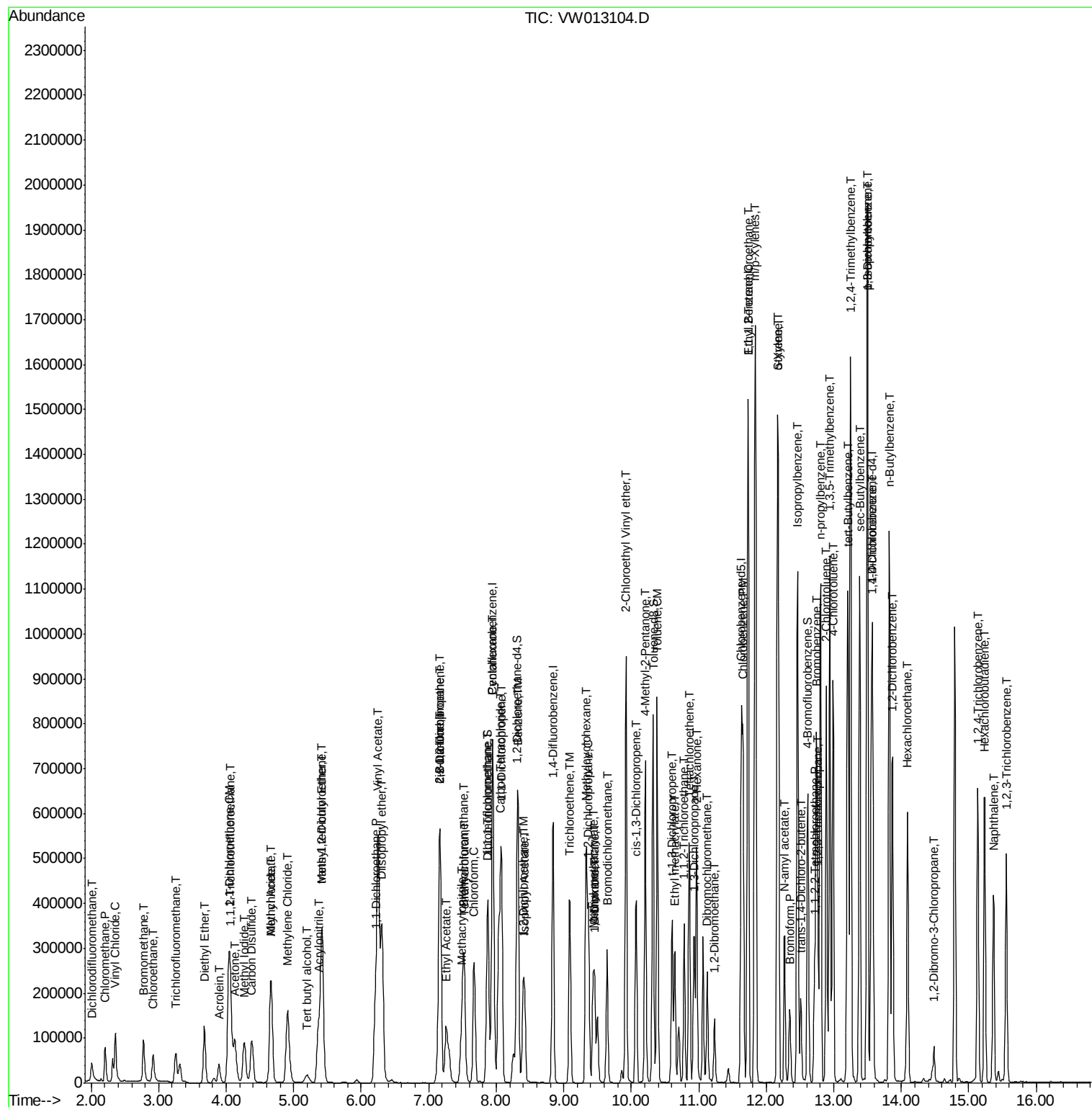
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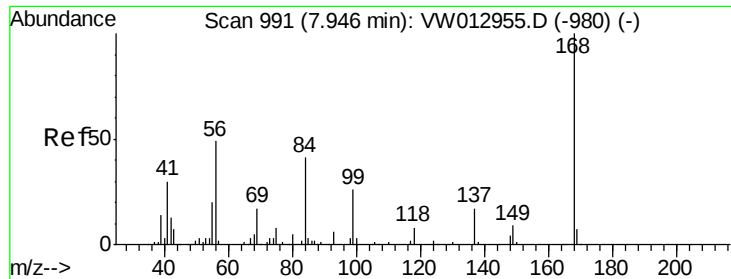
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tot Ion: 168 Resp: 355524

Ion Ratio Lower Upper

168 100

99 49.2 46.2 69.2

Instrument :

MSVOA_W

ClientSampleId :

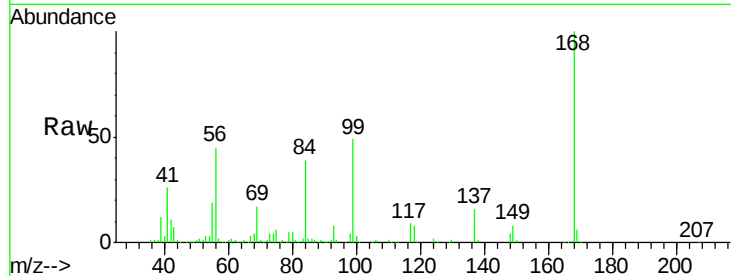
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

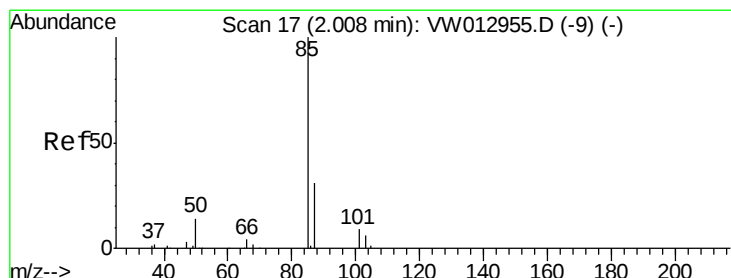
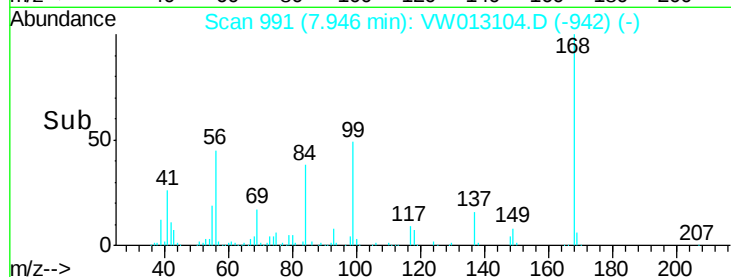
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.794 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013104.D

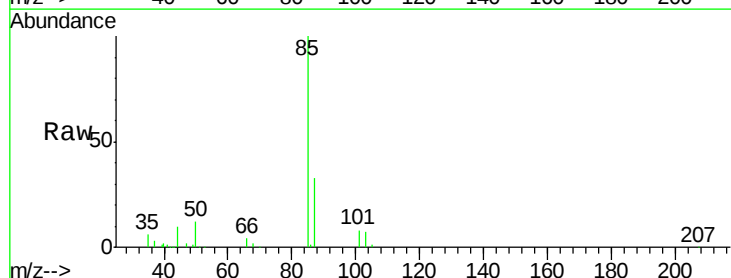
Acq: 18 Sep 2019 10:55

Tgt Ion: 85 Resp: 64068

Ion Ratio Lower Upper

85 100

87 32.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

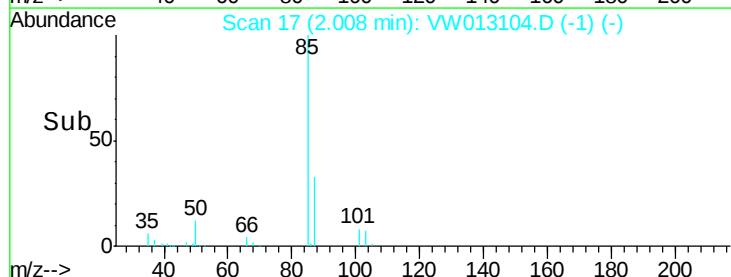
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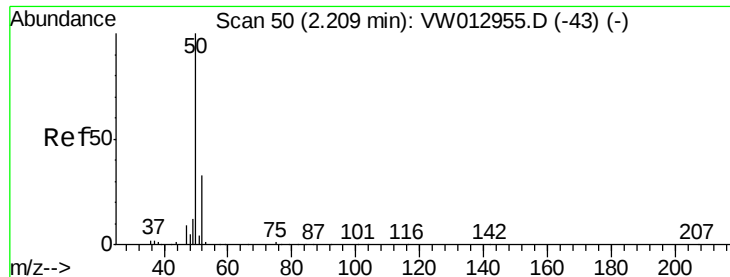
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.153 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 76509

Ion Ratio Lower Upper

50 100

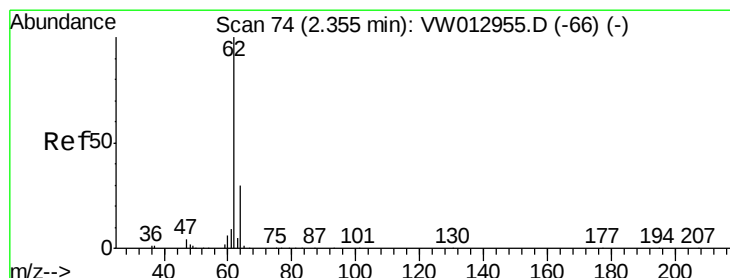
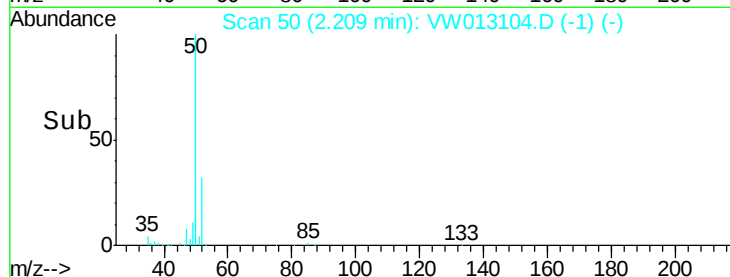
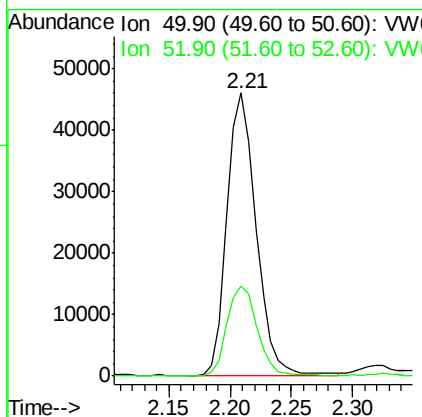
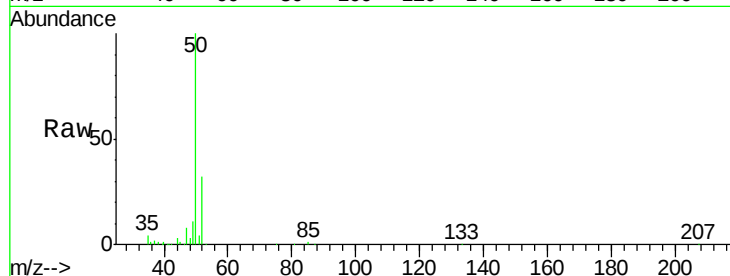
52 31.9 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.284 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013104.D

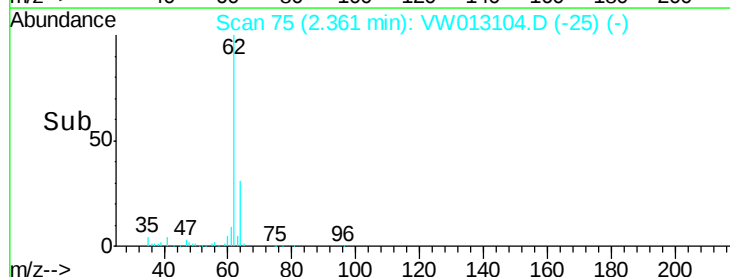
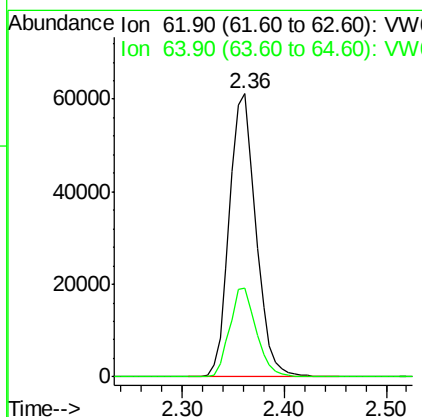
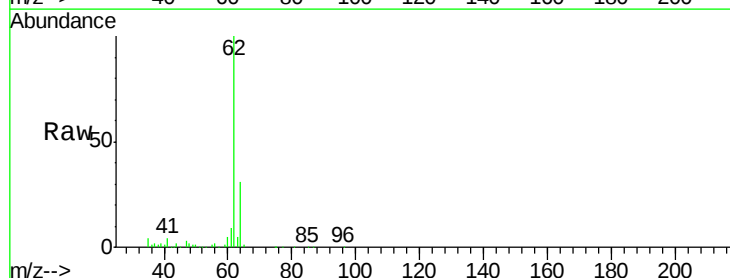
Acq: 18 Sep 2019 10:55

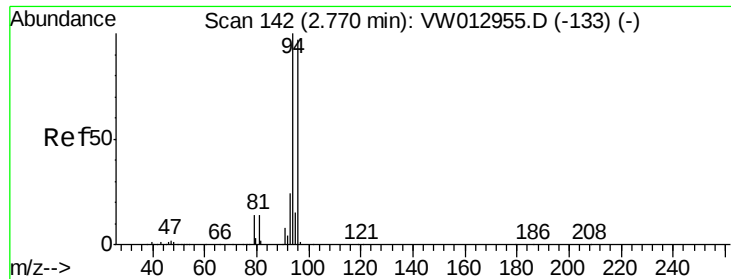
Tgt Ion: 62 Resp: 110145

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 43.744 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 67979

Ion Ratio Lower Upper

94 100

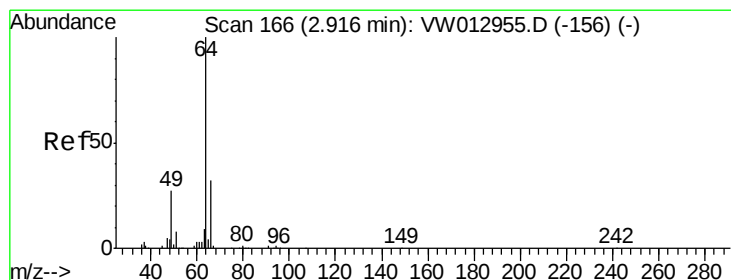
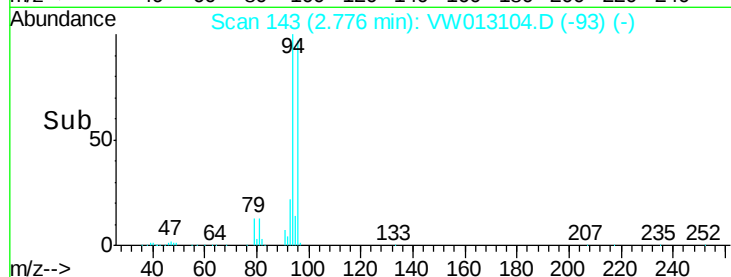
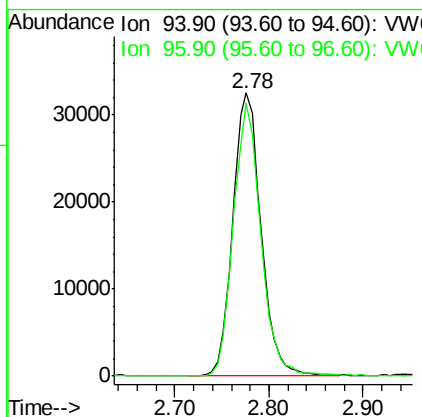
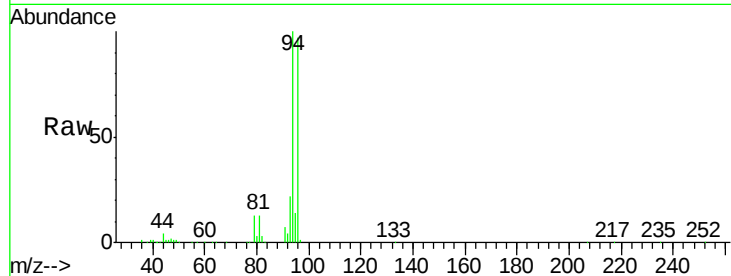
96 96.5 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 44.837 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013104.D

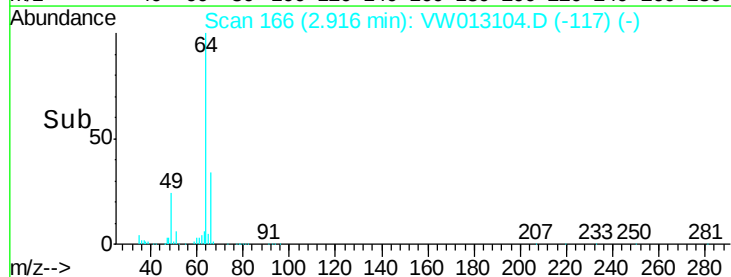
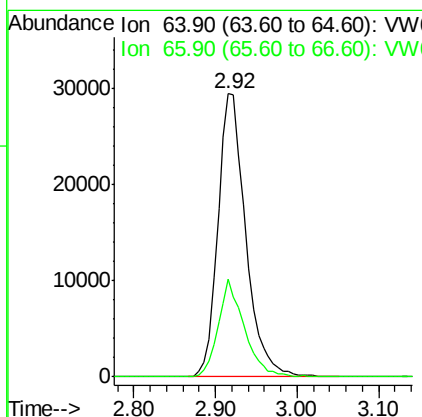
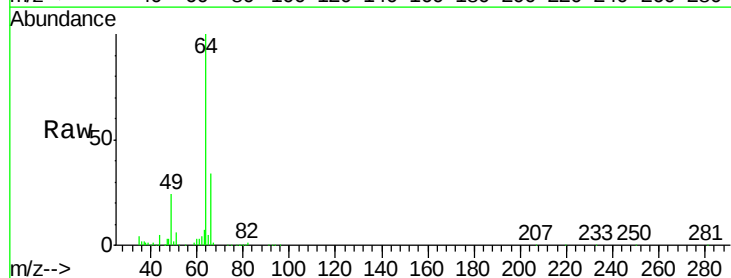
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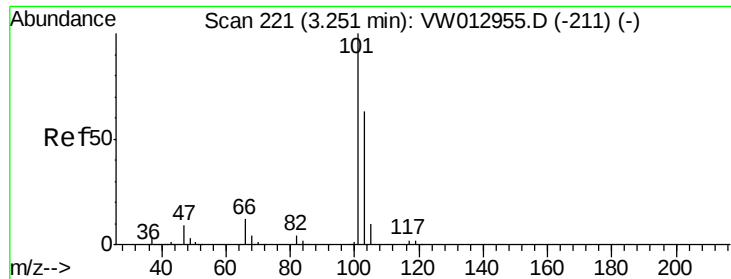
Tgt Ion: 64 Resp: 69978

Ion Ratio Lower Upper

64 100

66 34.4 25.9 38.9





#7

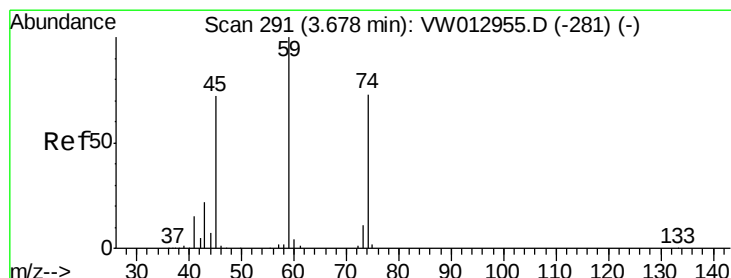
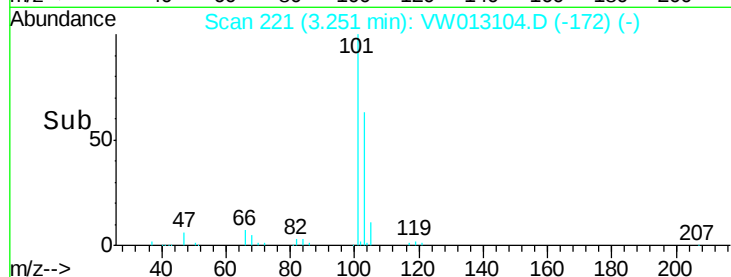
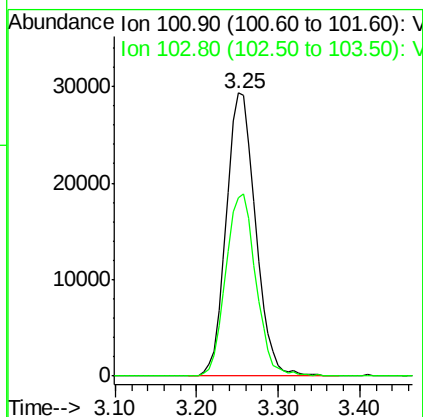
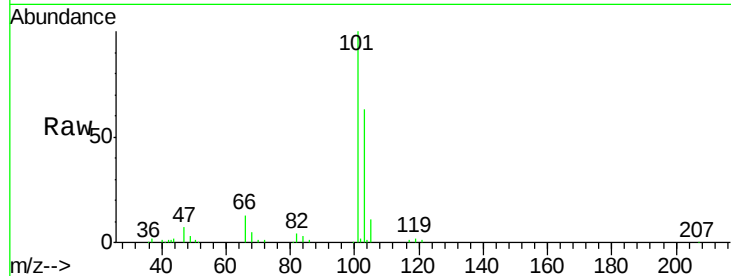
Trichlorofluoromethane
Concen: 40.925 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.7	76.1

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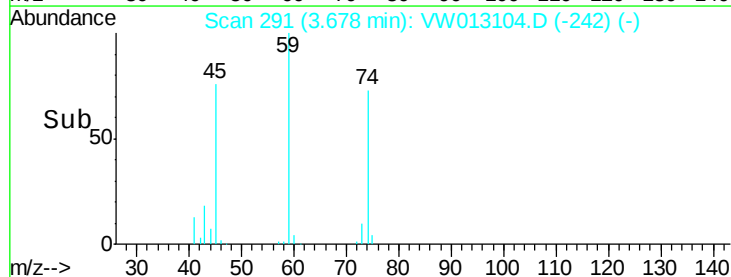
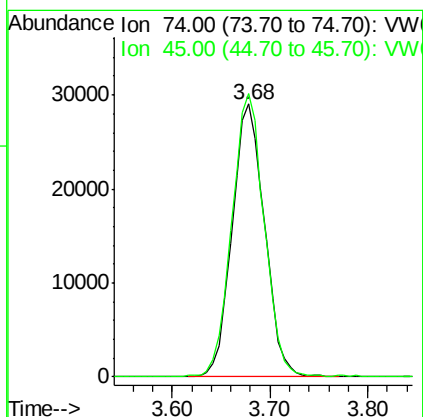
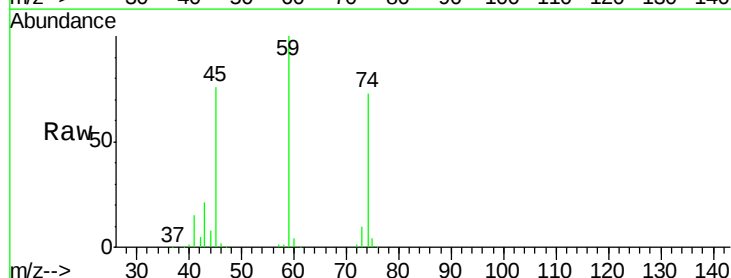
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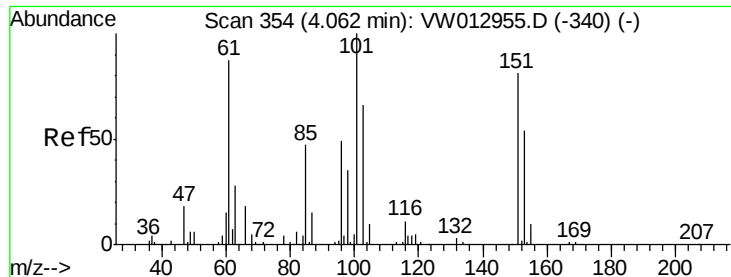


#8

Diethyl Ether
Concen: 47.946 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.137 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013104.D

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MSVOA_W

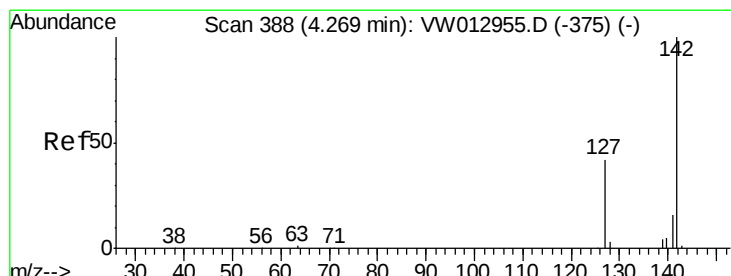
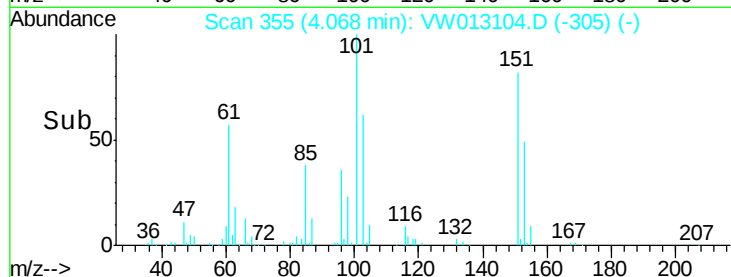
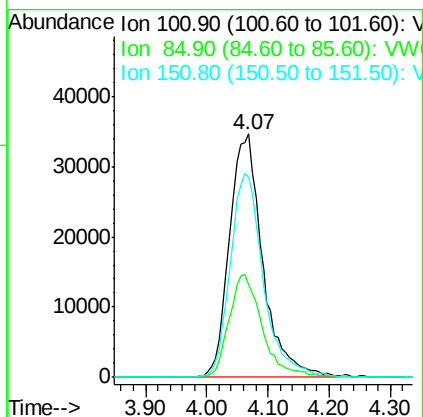
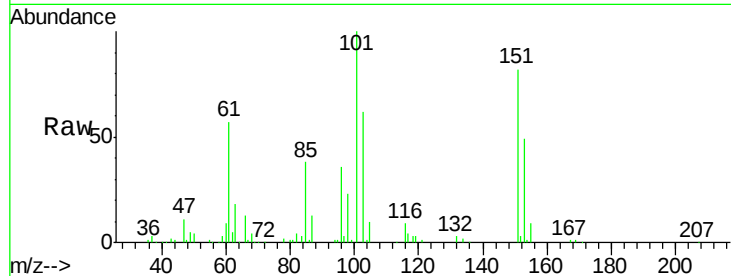
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	129921
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.9	52.3
151	82.9	66.0	99.0

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#10

Methyl Iodide

Concen: 51.524 ug/l

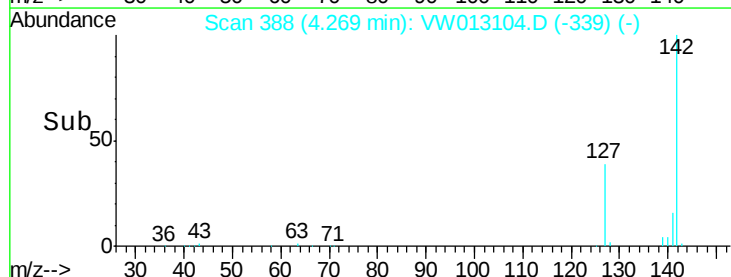
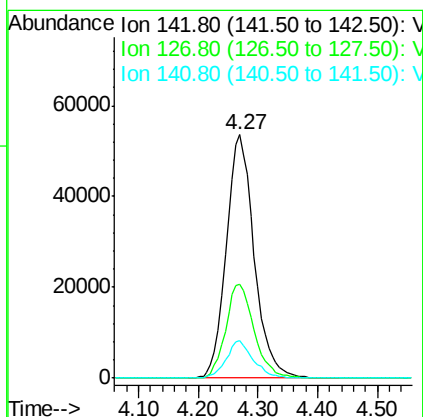
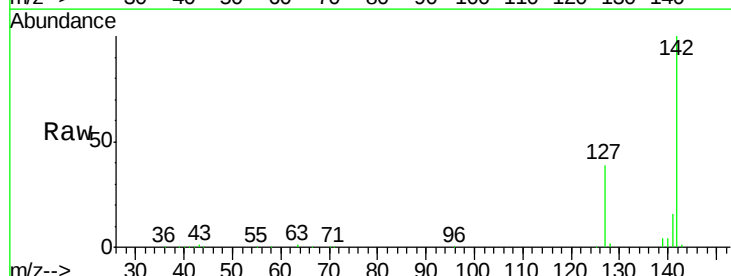
RT: 4.27 min Scan# 388

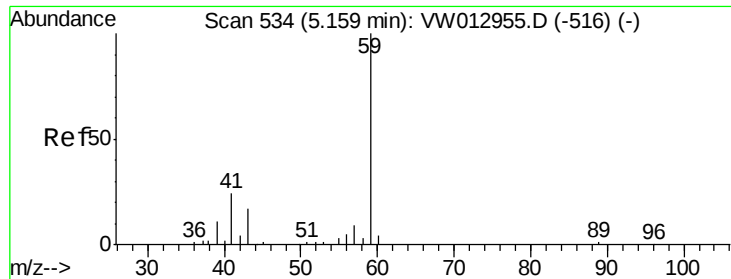
Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion:	142	Resp:	174035
Ion Ratio	Lower	Upper	
142	100		
127	39.5	34.7	52.1
141	14.9	12.2	18.2





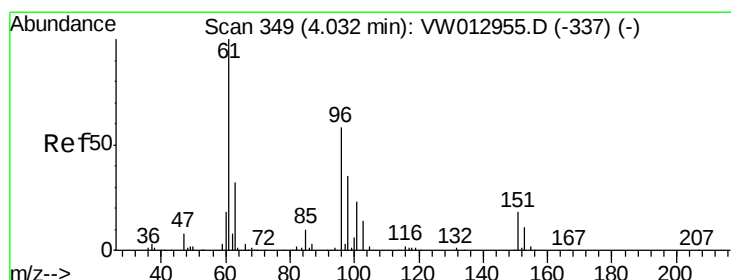
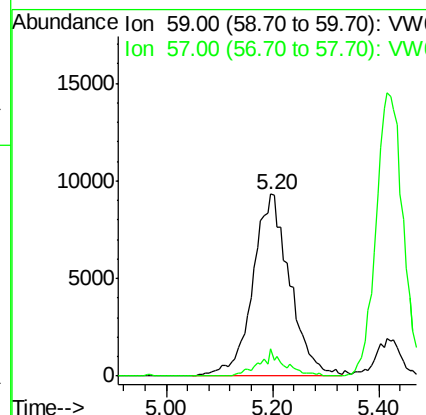
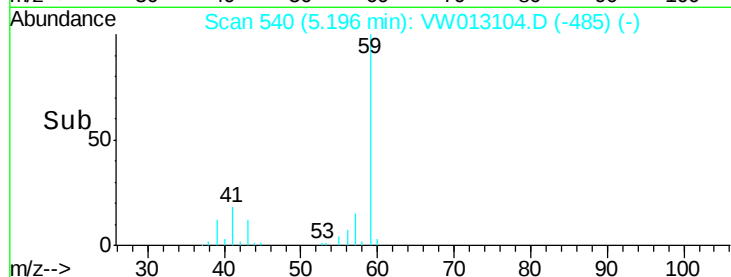
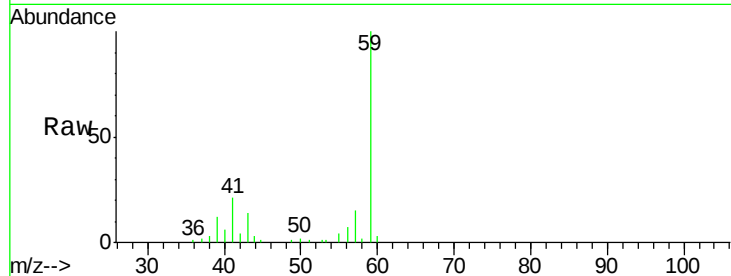
#11
Tert butyl alcohol
Concen: 197.914 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 44857
Ion Ratio Lower Upper
59 100
57 7.8 8.5 12.7#

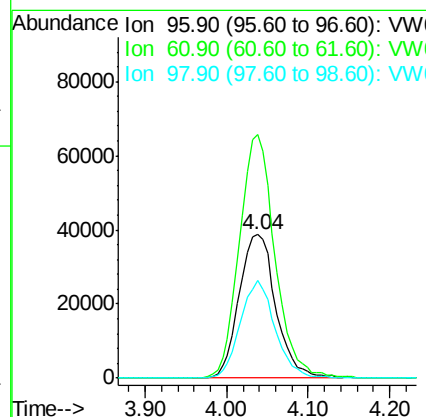
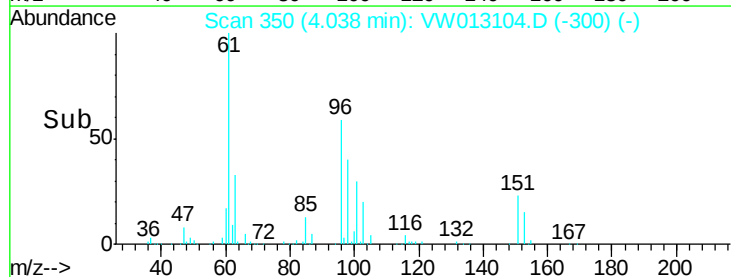
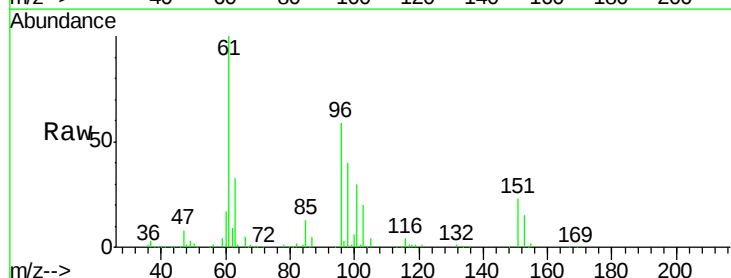
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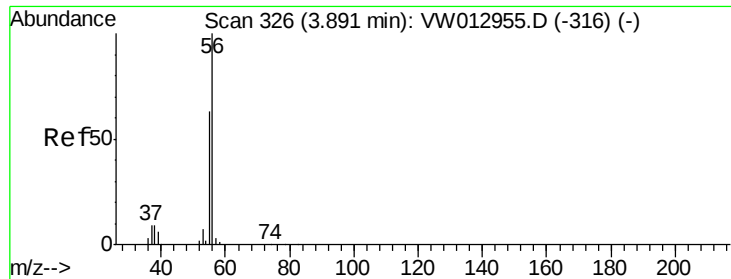
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#12
1,1-Dichloroethene
Concen: 49.305 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 96 Resp: 120996
Ion Ratio Lower Upper
96 100
61 169.5 137.9 206.9
98 68.1 48.9 73.3





#13

Acrolein

Concen: 213.188 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 51854

Ion Ratio Lower Upper

56 100

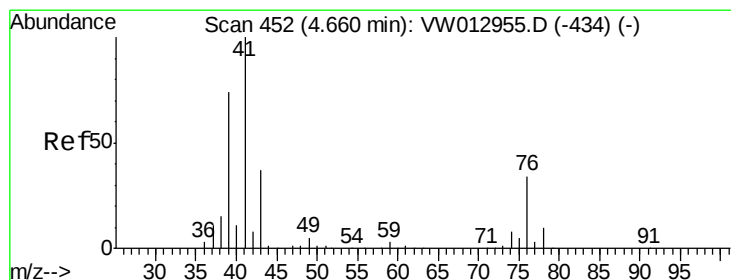
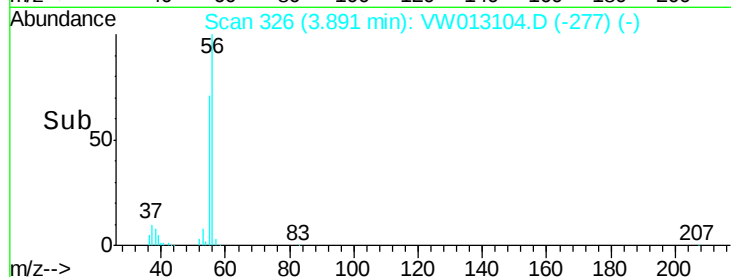
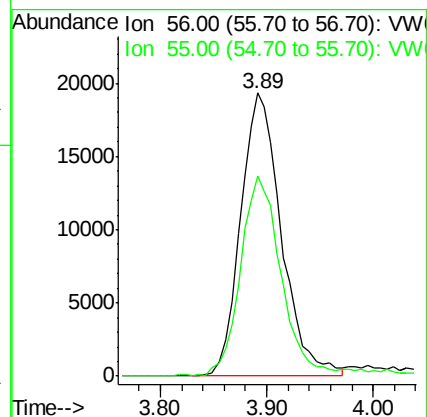
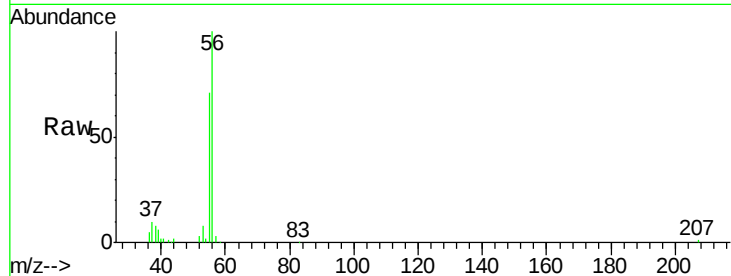
55 68.7 55.8 83.8

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#14

Allyl chloride

Concen: 46.088 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

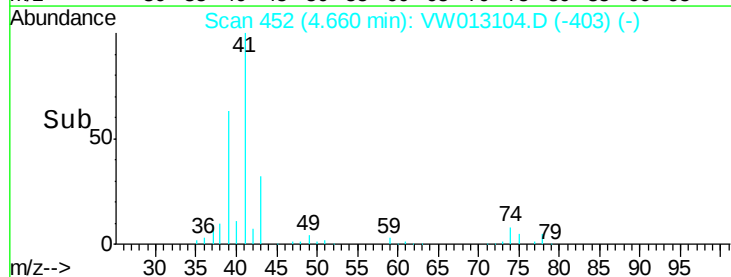
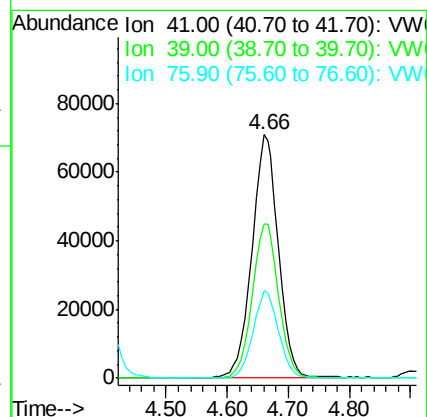
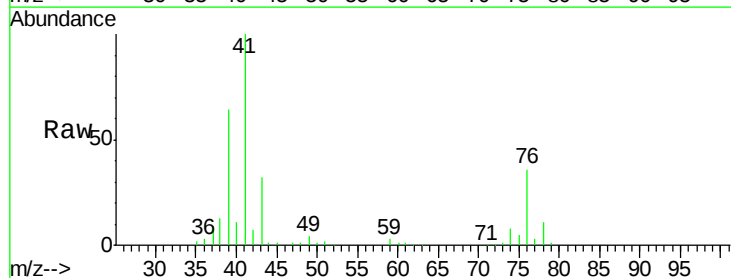
Tgt Ion: 41 Resp: 214716

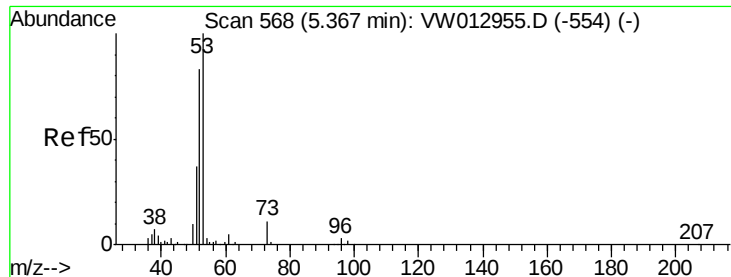
Ion Ratio Lower Upper

41 100

39 63.2 56.7 85.1

76 34.3 25.1 37.7





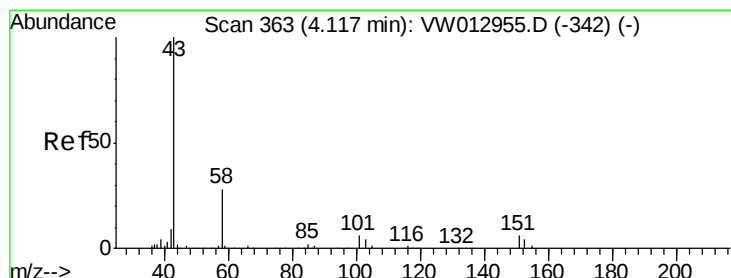
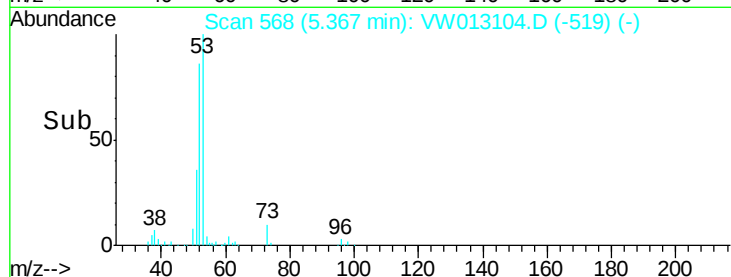
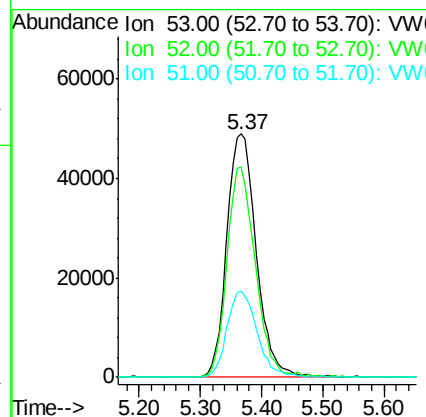
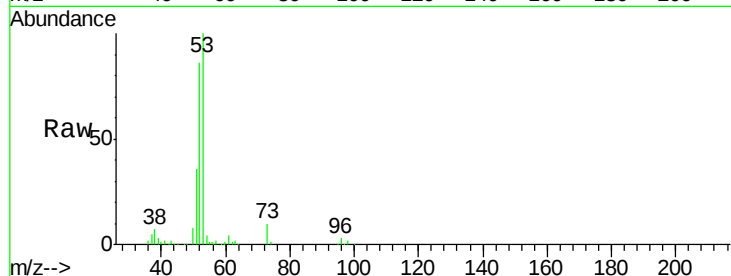
#15
 Acrylonitrile
 Concen: 230.474 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	163563
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.6	100.0
51	36.1	29.8	44.8

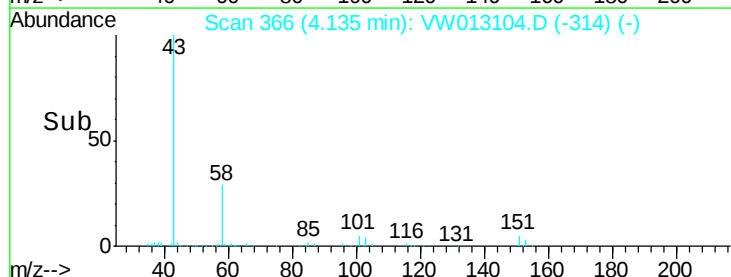
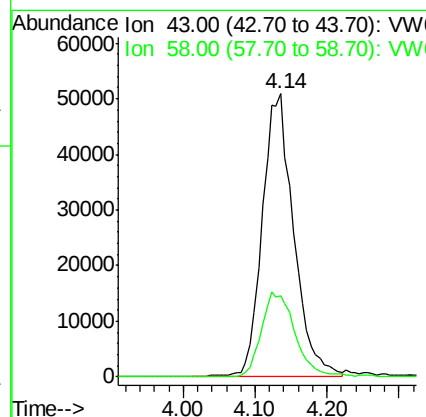
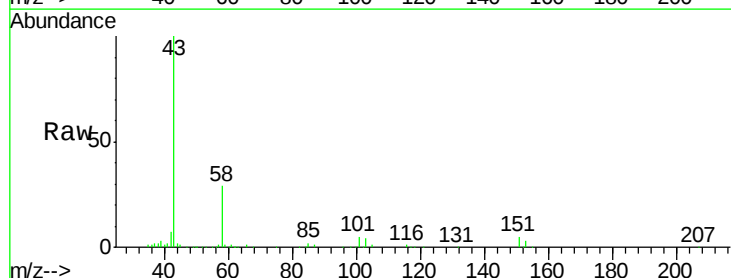
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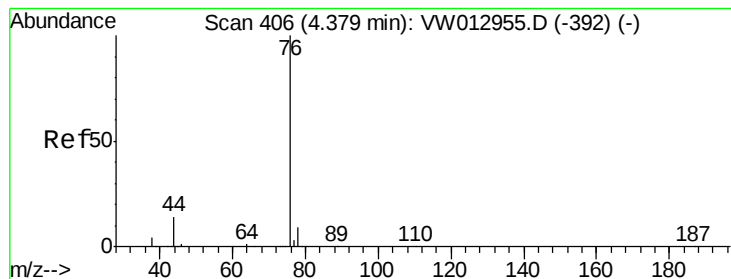
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#16
 Acetone
 Concen: 214.103 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion:	43	Resp:	154545
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.3	33.5





#17

Carbon Disulfide

Concen: 44.646 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tot Ion: 76 Resp: 218341

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

Instrument :

MSVOA_W

ClientSampleId :

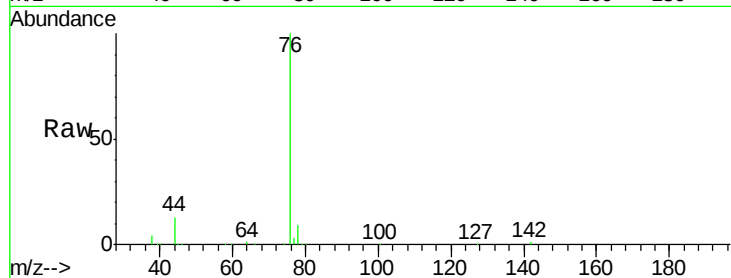
VSTDCCC050

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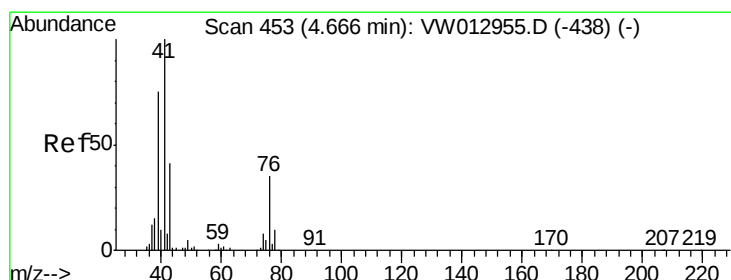
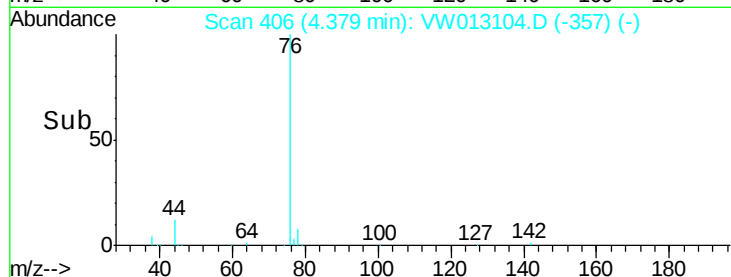
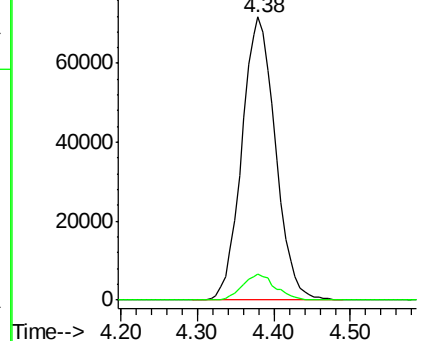
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 40.641 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013104.D

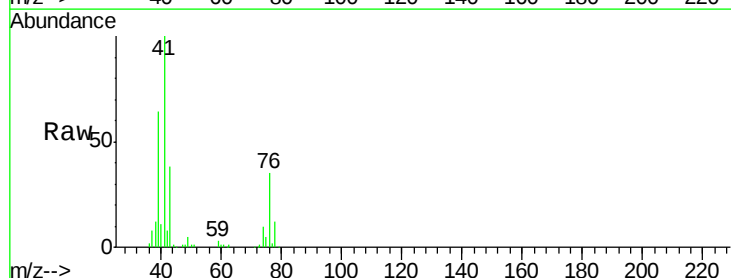
Acq: 18 Sep 2019 10:55

Tgt Ion: 43 Resp: 76027

Ion Ratio Lower Upper

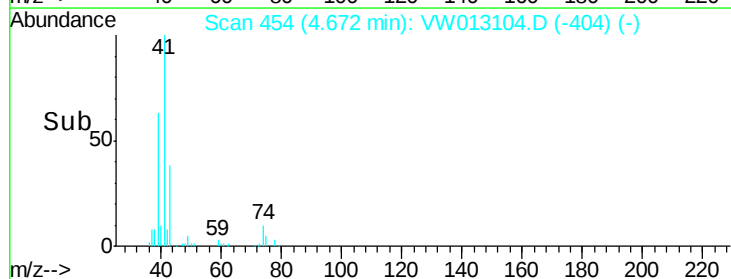
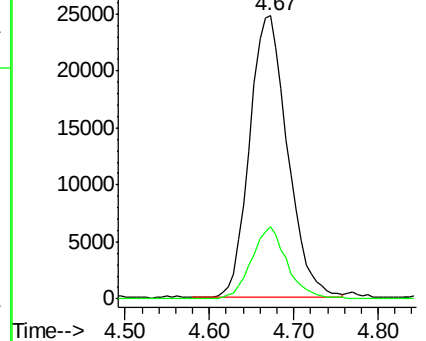
43 100

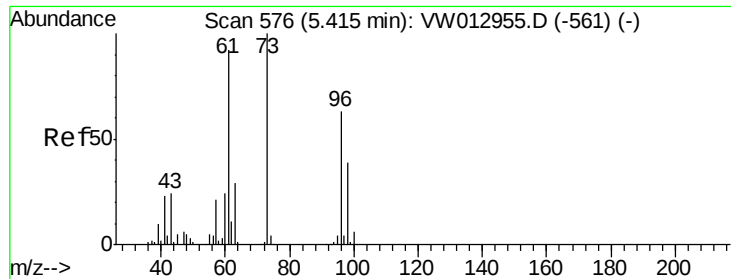
74 24.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





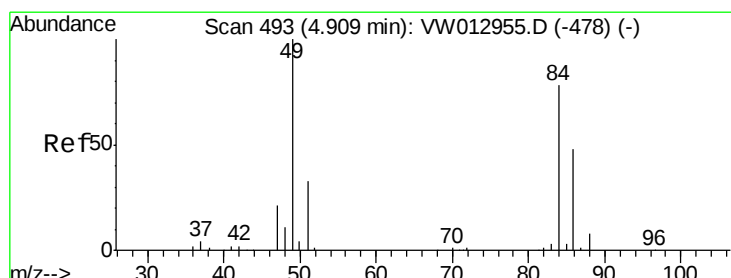
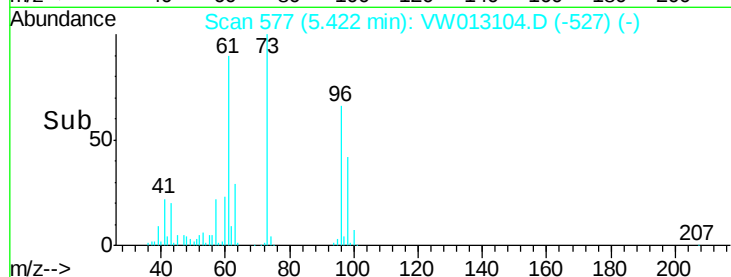
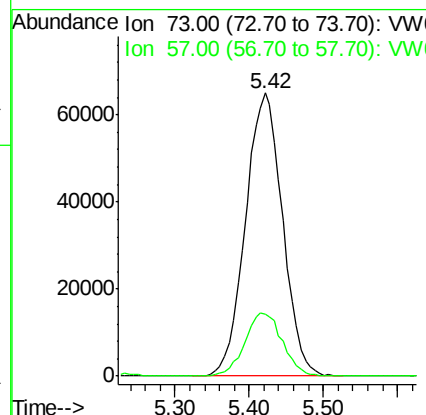
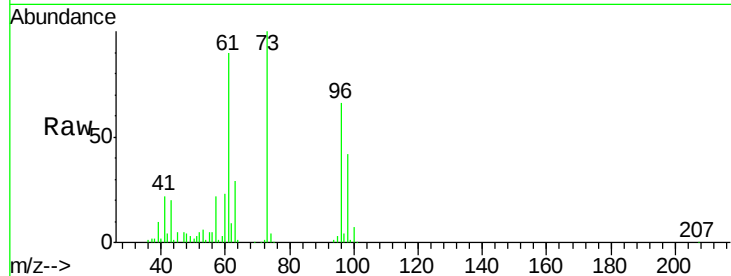
#19
Methvl tert-butvl Ether
Concen: 46.832 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 226863
Ion Ratio Lower Upper
73 100
57 22.1 16.4 24.6

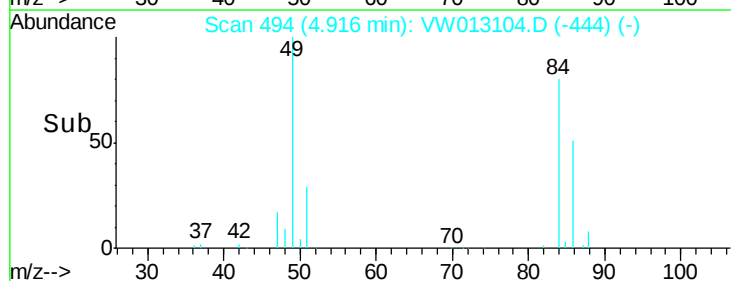
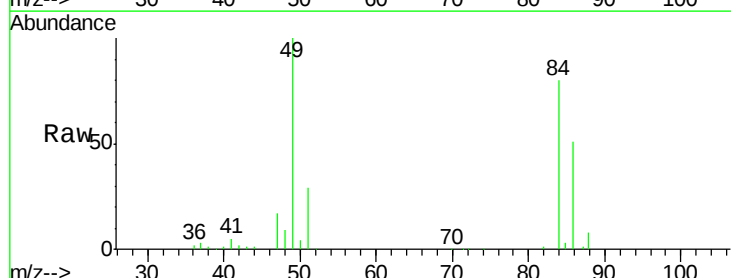
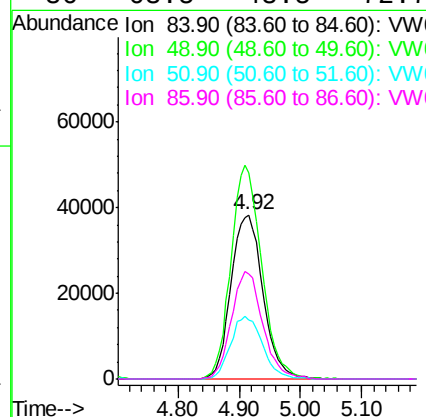
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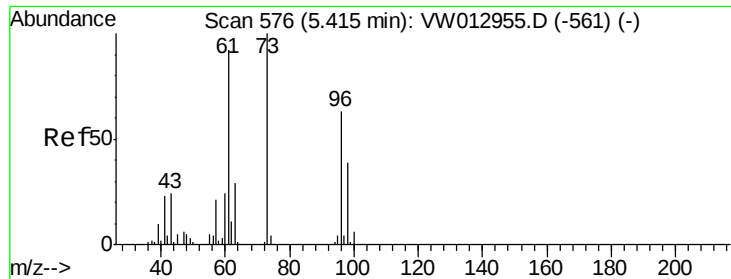
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#20
Methylene Chloride
Concen: 52.355 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 84 Resp: 138236
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 36.2 34.0 51.0
86 63.5 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.820 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 130945

Ion Ratio Lower Upper

96 100

61 141.8 116.2 174.2

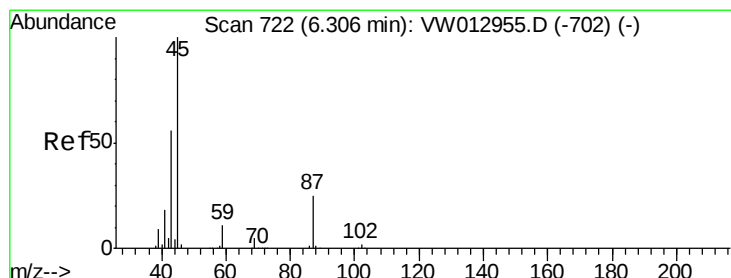
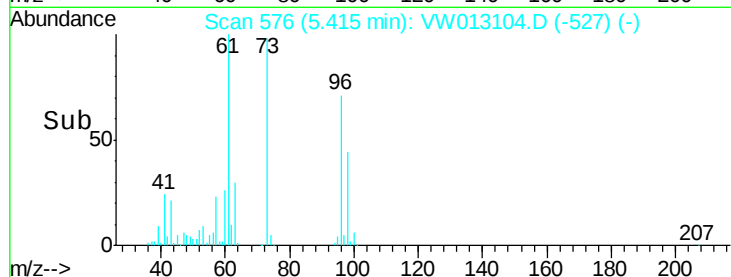
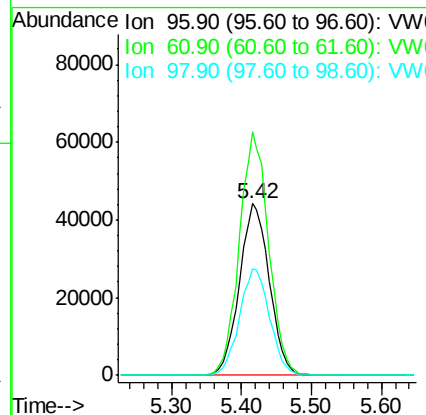
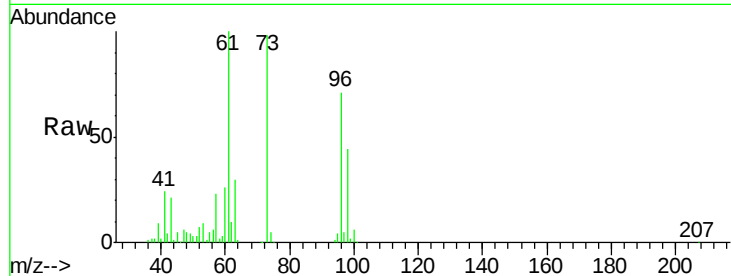
98 62.0 49.8 74.6

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#22

Diisopropyl ether

Concen: 48.216 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion: 45 Resp: 466655

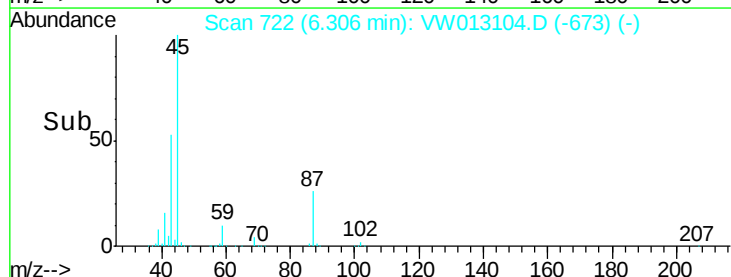
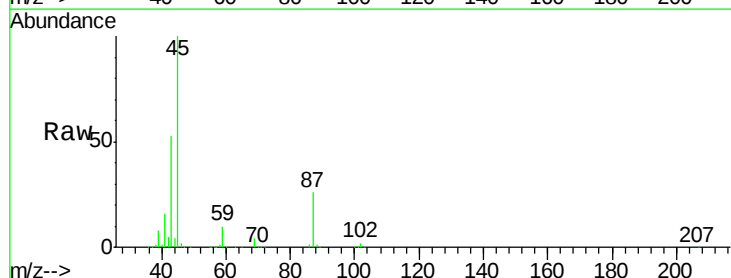
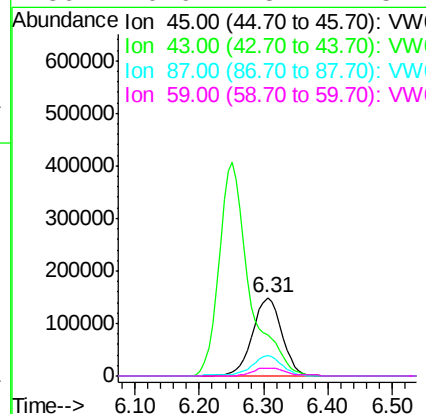
Ion Ratio Lower Upper

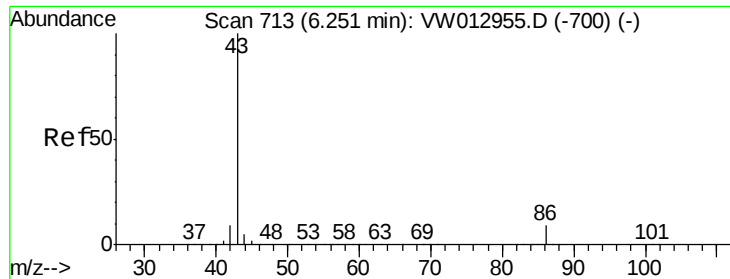
45 100

43 52.7 44.6 67.0

87 26.2 20.0 30.0

59 9.9 8.7 13.1





#23

Vinyl Acetate

Concen: 230.539 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1336379

Ion Ratio Lower Upper

43 100

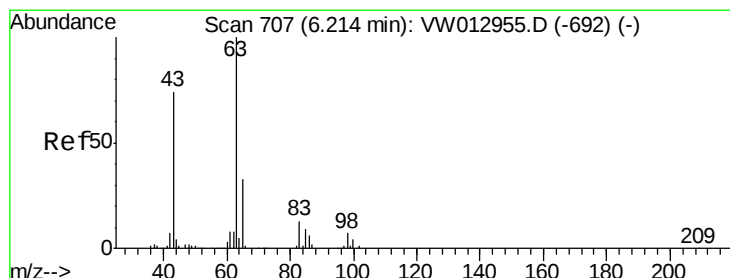
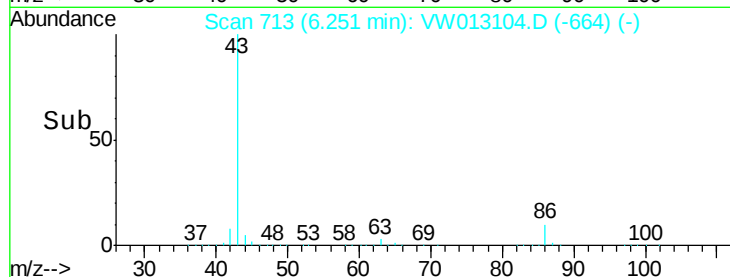
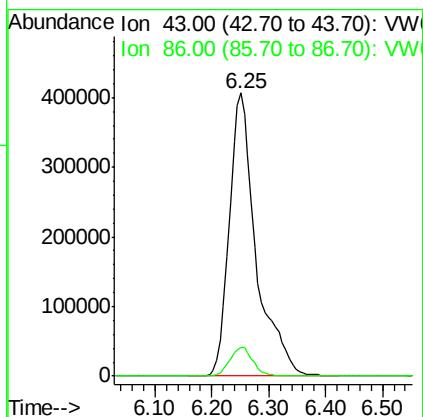
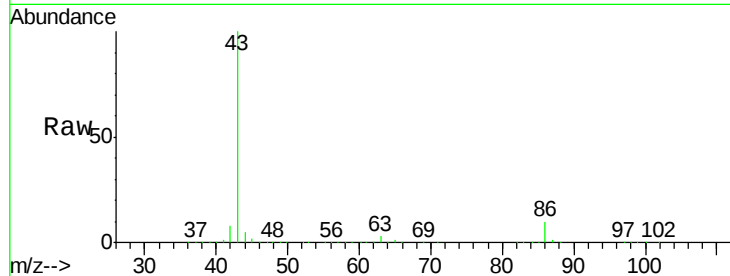
86 10.2 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 47.141 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

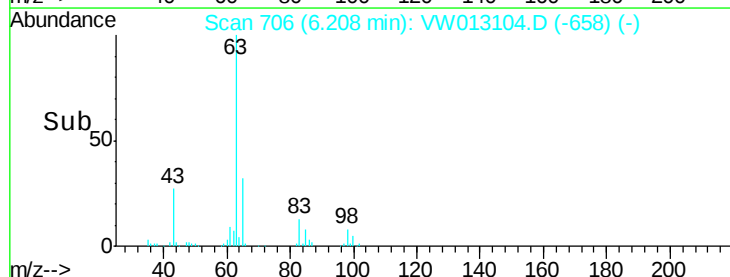
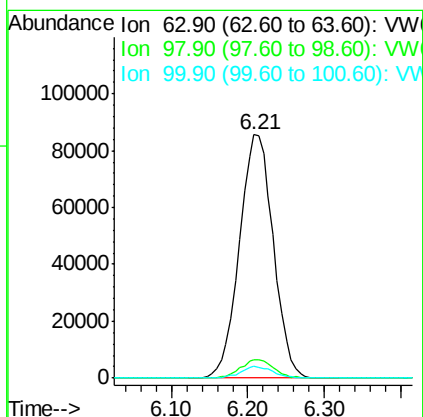
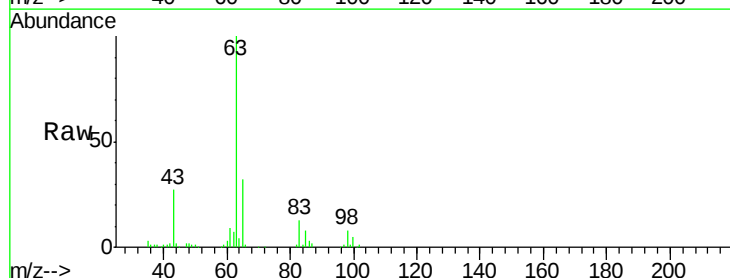
Tgt Ion: 63 Resp: 263055

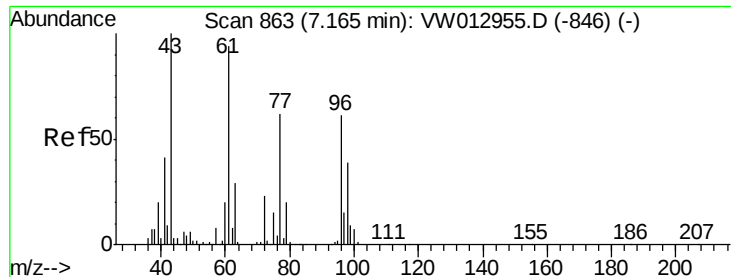
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

100 4.9 1.8 5.5





#25

2-Butanone

Concen: 207.903 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 217068

Ion Ratio Lower Upper

43 100

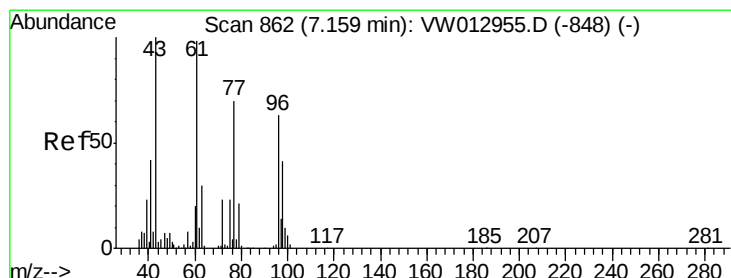
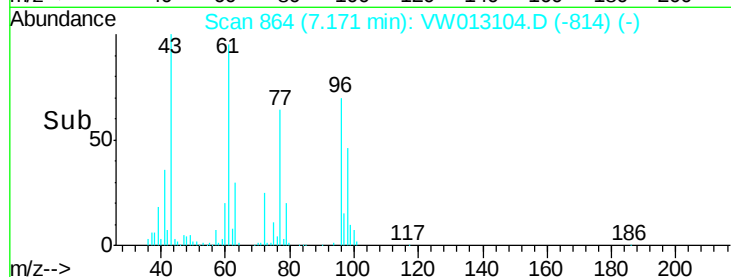
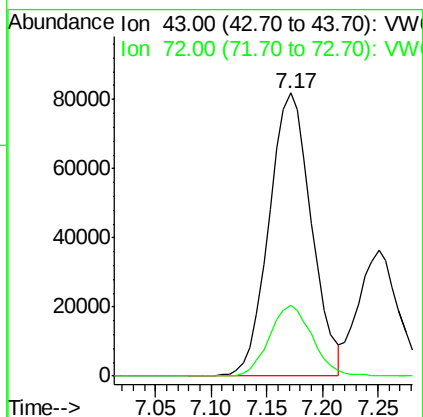
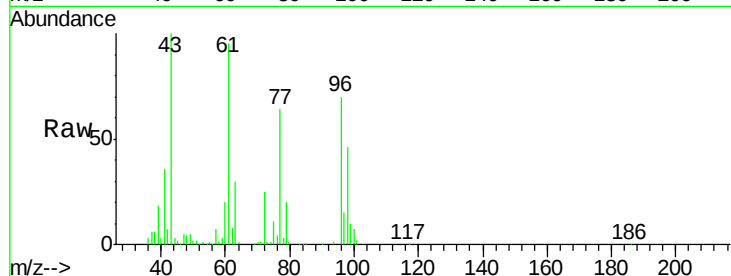
72 25.2 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 46.805 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013104.D

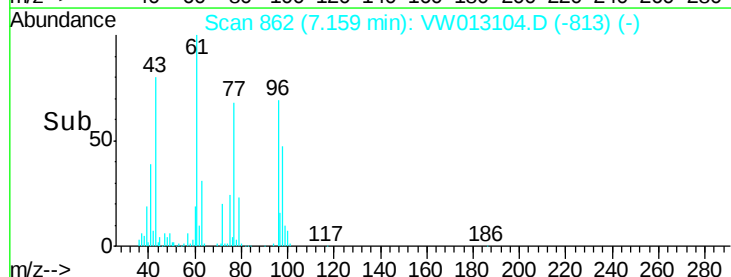
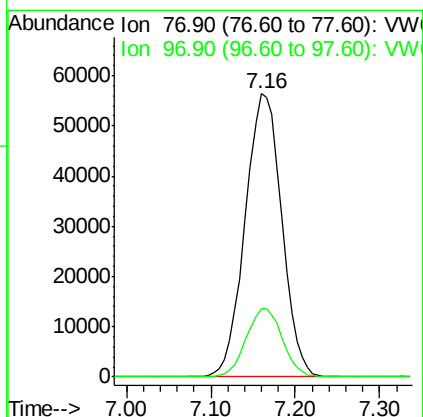
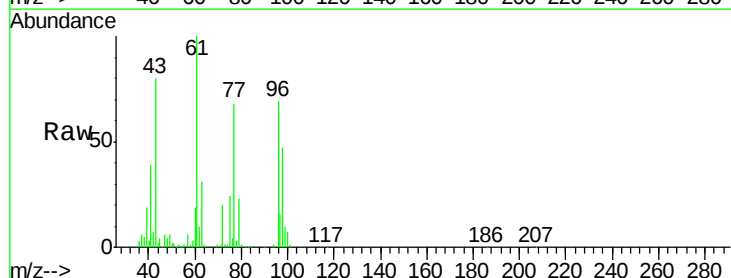
Acq: 18 Sep 2019 10:55

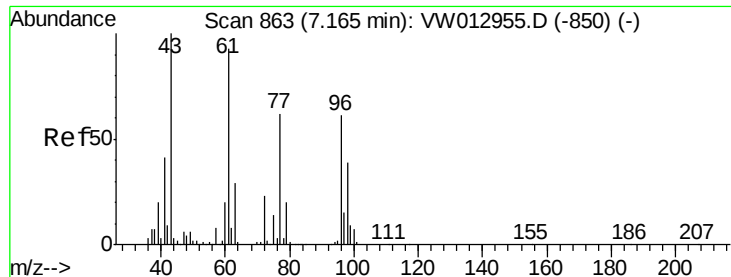
Tgt Ion: 77 Resp: 166737

Ion Ratio Lower Upper

77 100

97 23.9 10.7 32.1





#27

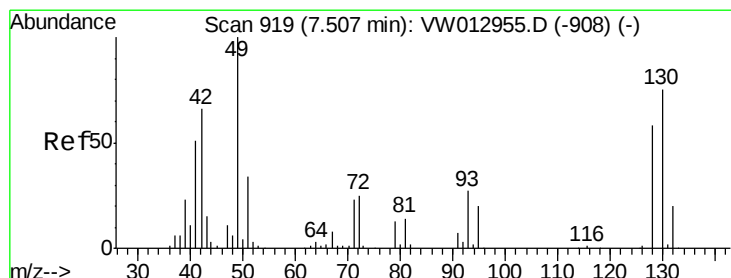
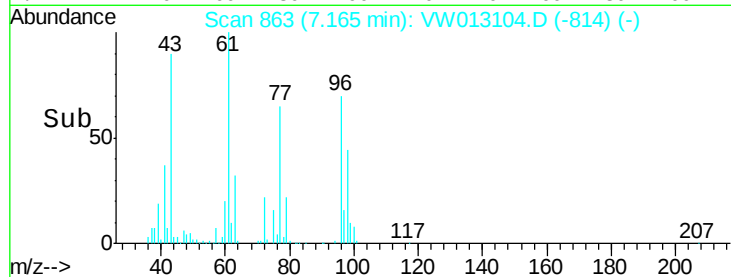
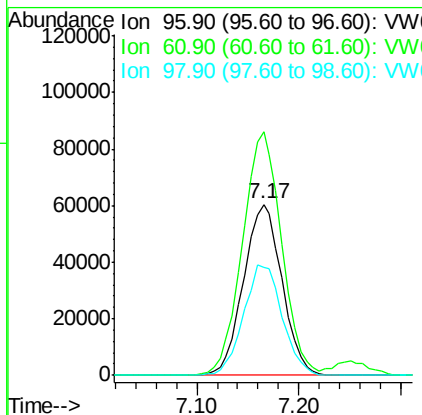
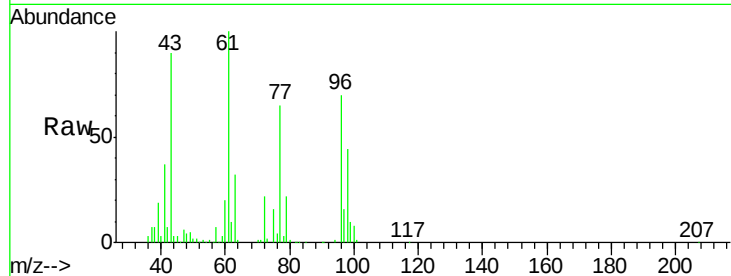
cis-1,2-Dichloroethene
Concen: 50.274 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158199		
61	144.4	0.0	315.4	
98	64.9	0.0	131.0	

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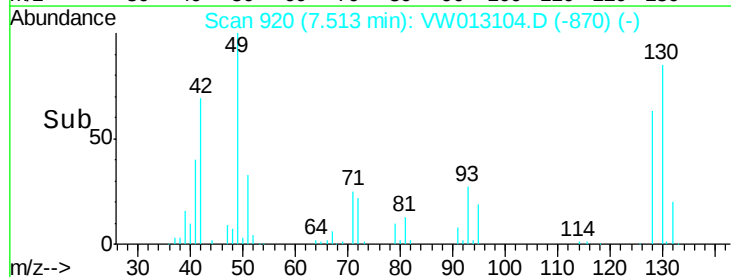
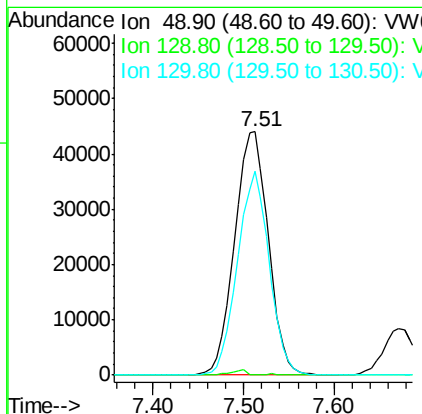
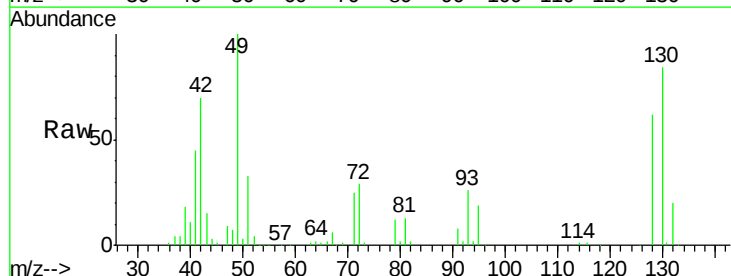
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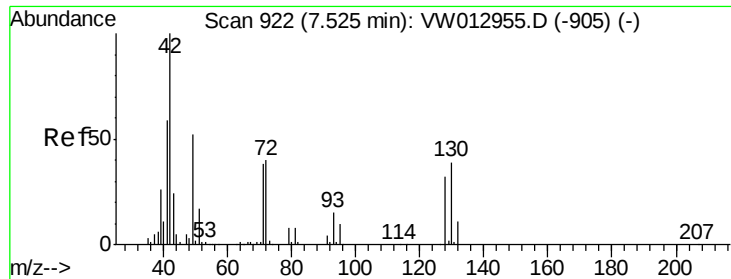


#28

Bromochloromethane
Concen: 48.403 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113685		
129	0.9	0.0	1.4	
130	78.8	57.8	86.6	





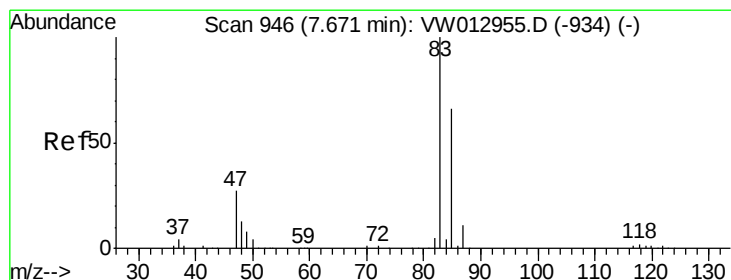
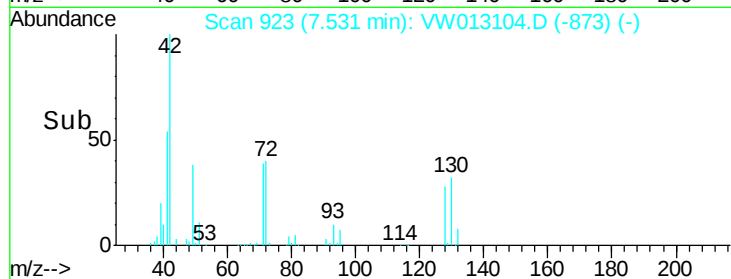
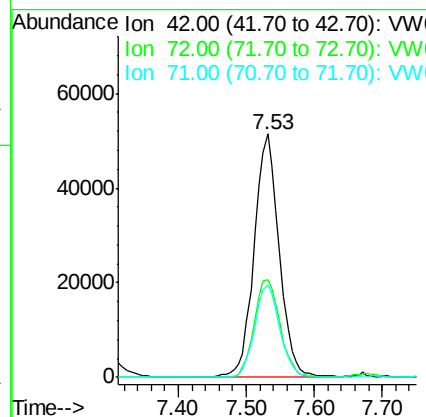
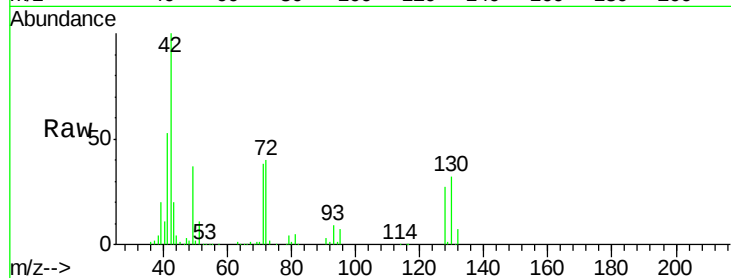
#29
Tetrahydrofuran
Concen: 222.858 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	31.4	47.0
71	38.4	29.8	44.8

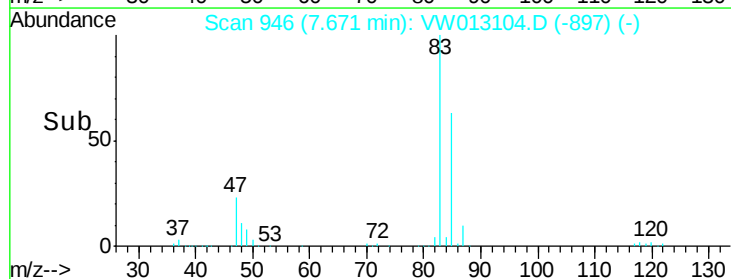
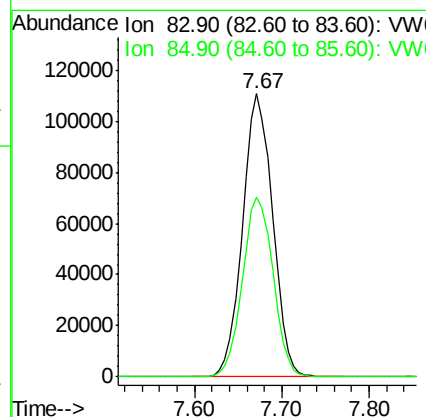
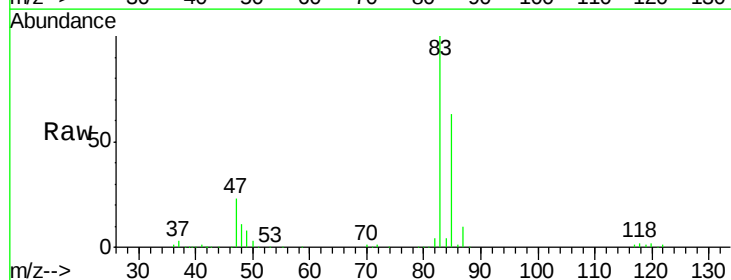
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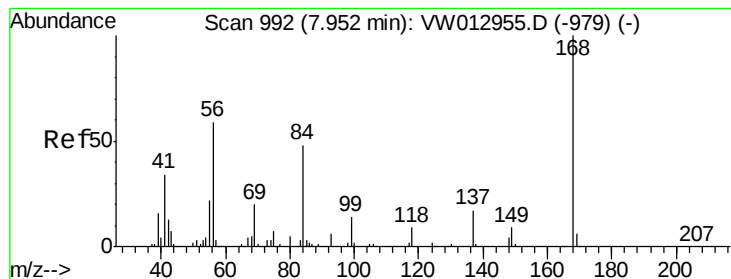
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#30
Chloroform
Concen: 46.737 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2





#31

Cyclohexane

Concen: 49.601 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

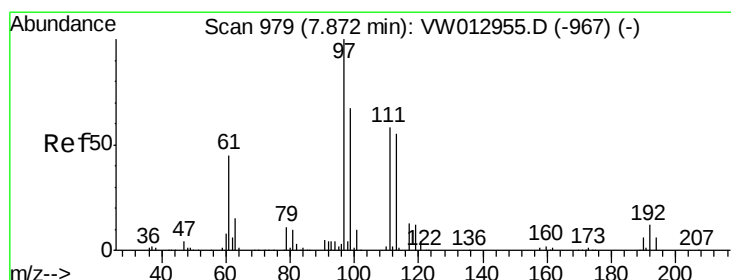
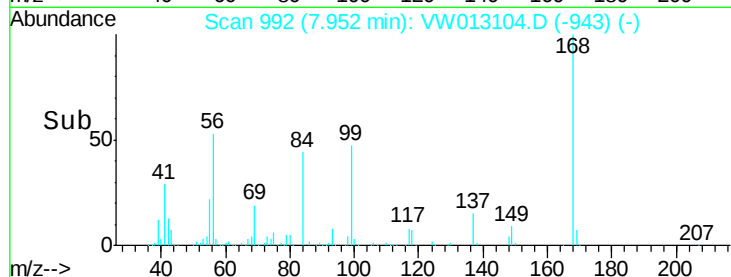
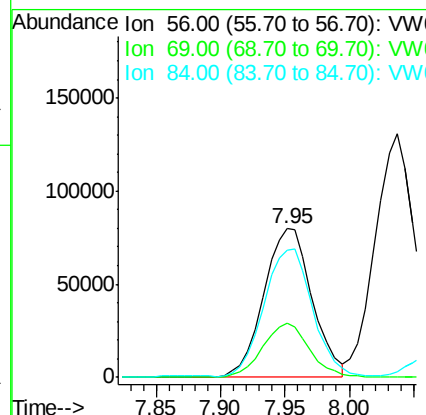
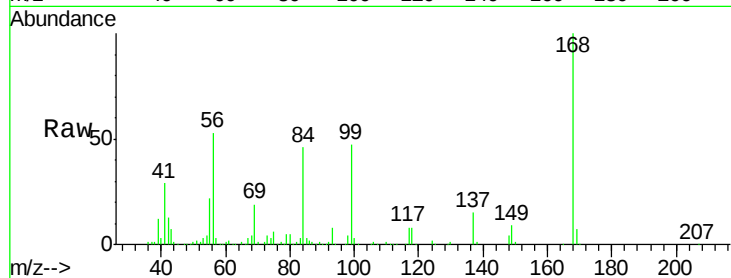
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	207915
Ion Ratio		Lower	Upper
56	100		
69	36.4	27.0	40.6
84	84.5	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 44.992 ug/l

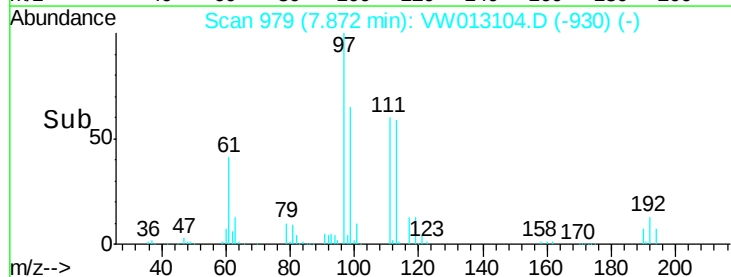
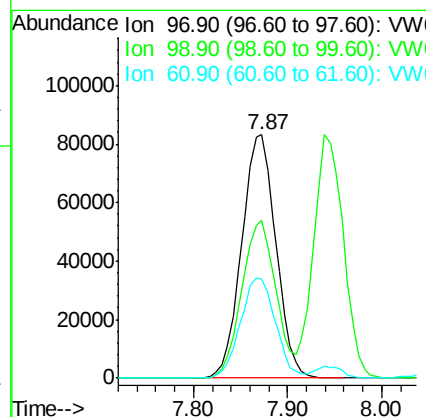
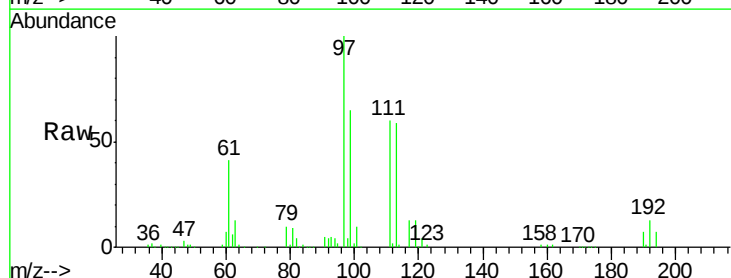
RT: 7.87 min Scan# 979

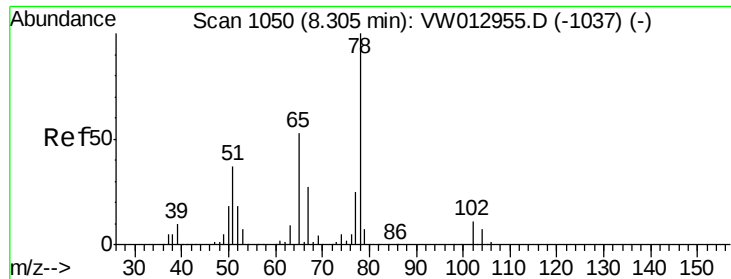
Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion:	97	Resp:	210081
Ion Ratio		Lower	Upper
97	100		
99	65.3	53.0	79.4
61	42.2	36.5	54.7





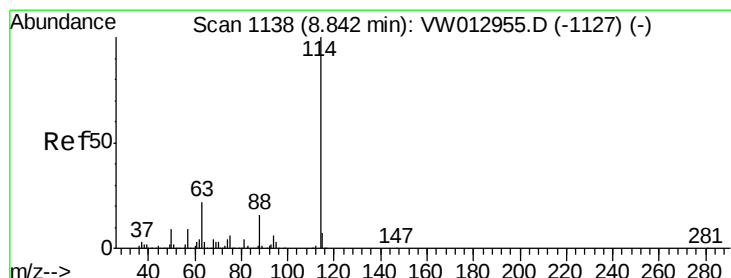
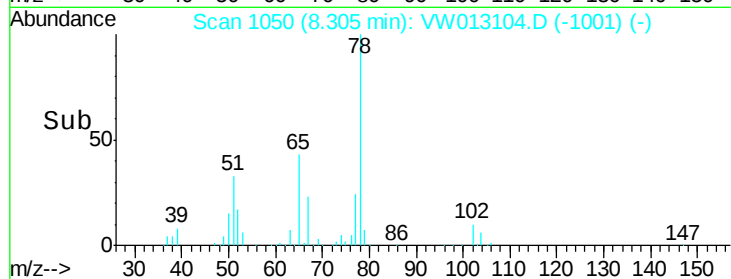
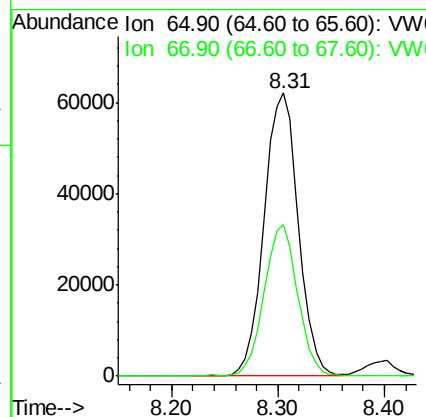
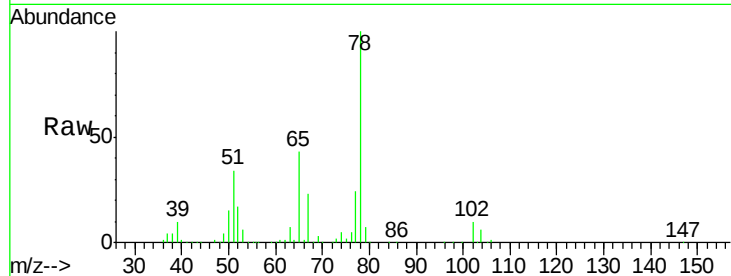
#33
 1,2-Dichloroethane-d4
 Concen: 42.419 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139282		
67	52.5	0.0	101.2	

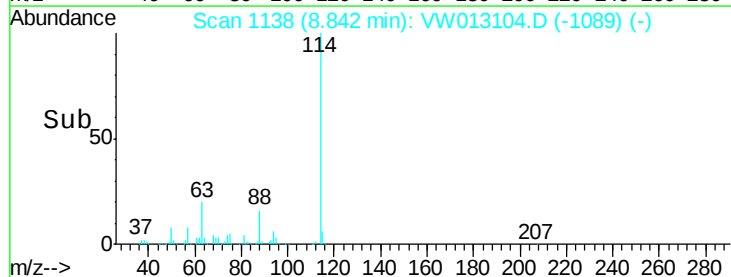
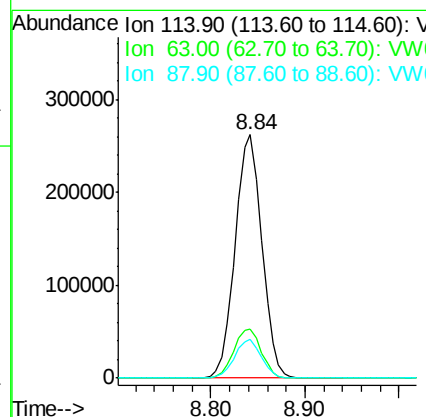
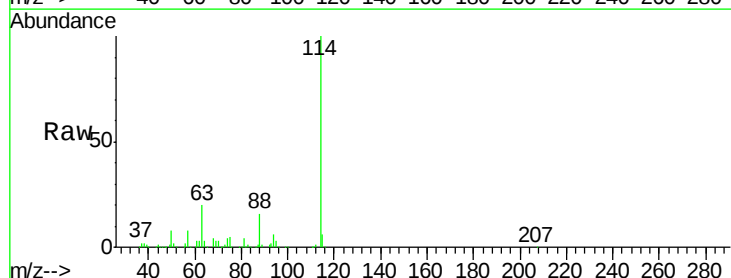
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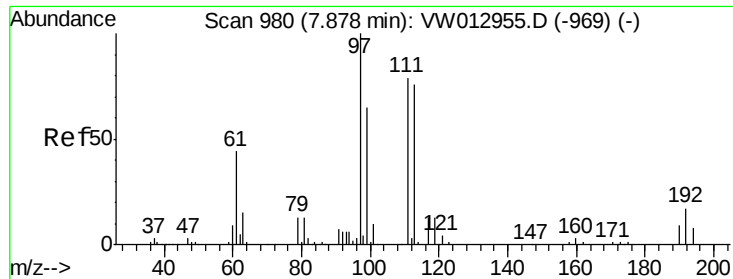
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518328		
63	20.0	0.0	43.4	
88	15.7	0.0	31.6	





#35

Dibromofluoromethane

Concen: 48.360 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

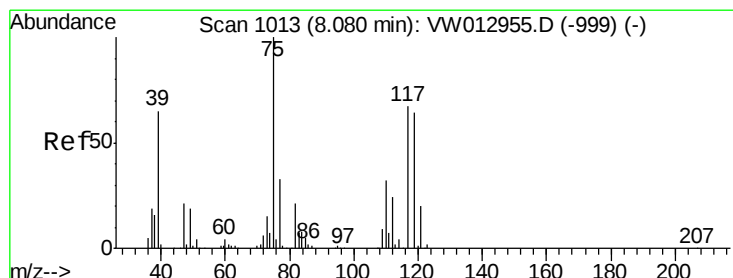
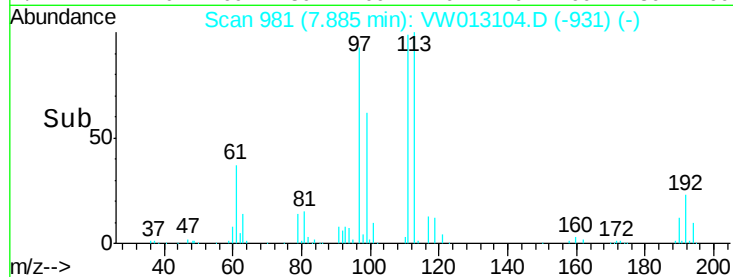
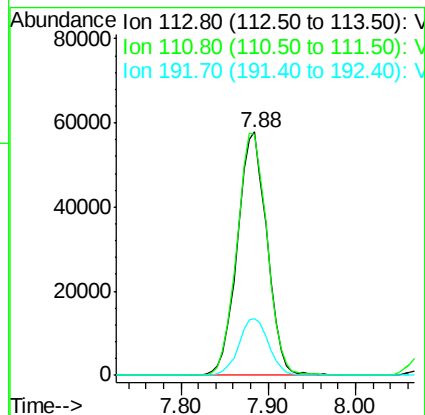
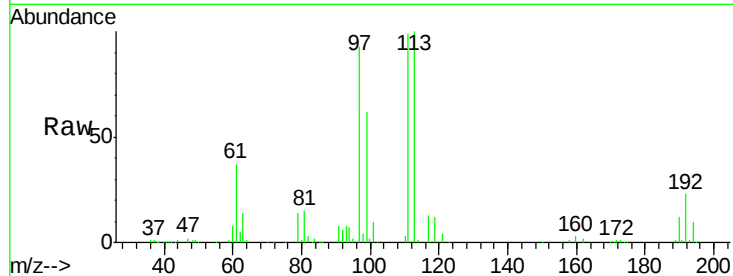
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	136014
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.8	124.2
192	23.5	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 46.312 ug/l

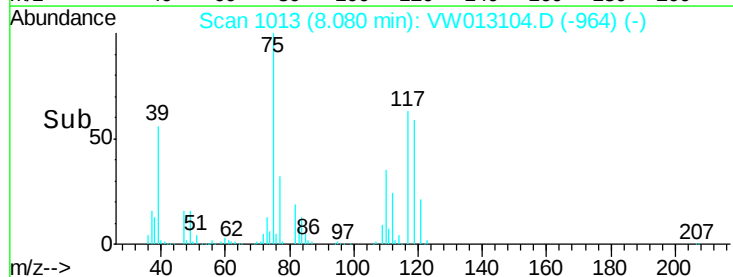
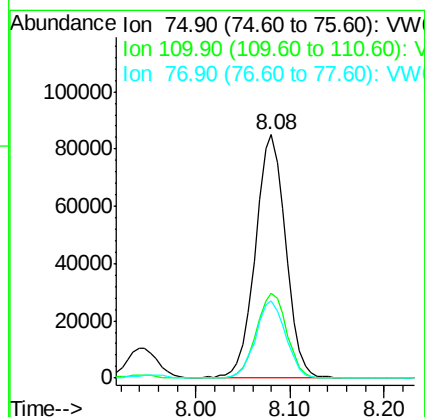
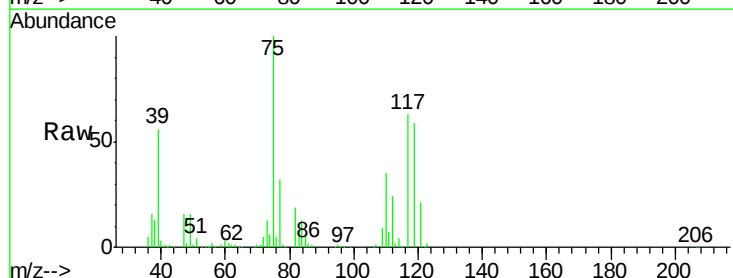
RT: 8.08 min Scan# 1013

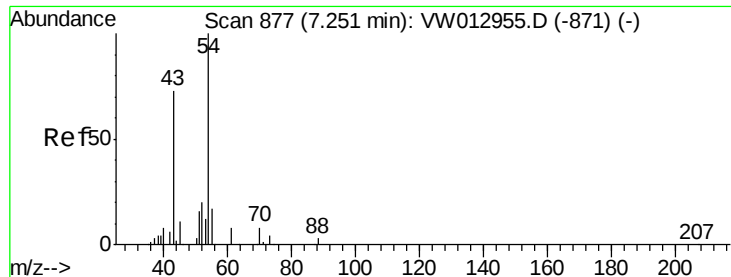
Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion:	75	Resp:	191820
Ion Ratio	Lower	Upper	
75	100		
110	35.4	16.4	49.1
77	31.7	25.1	37.7





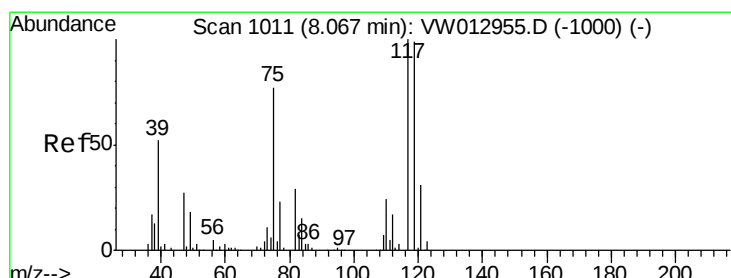
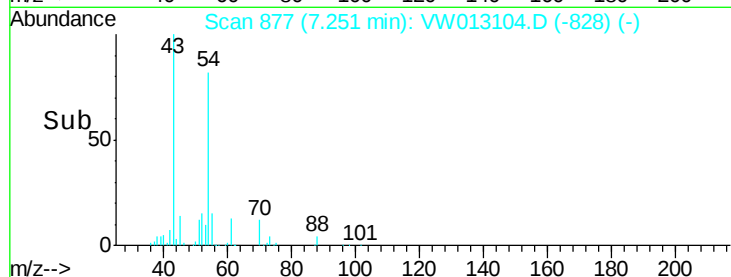
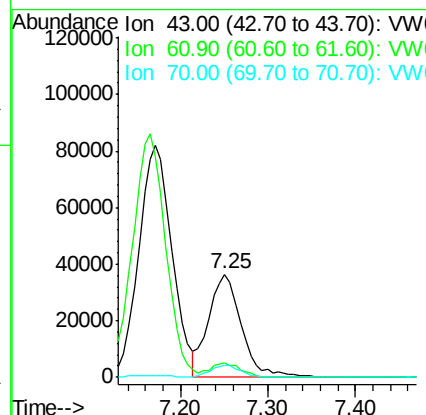
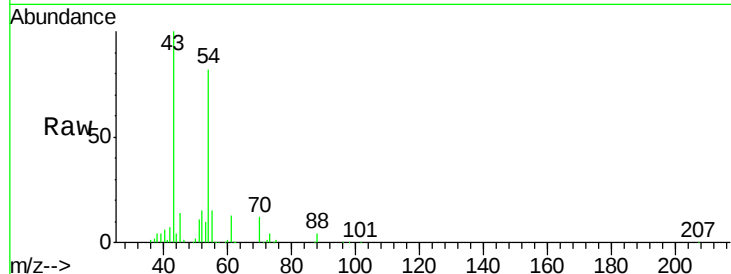
#37
Ethyl Acetate
Concen: 42.623 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.6	14.4
70	11.1	7.6	11.4

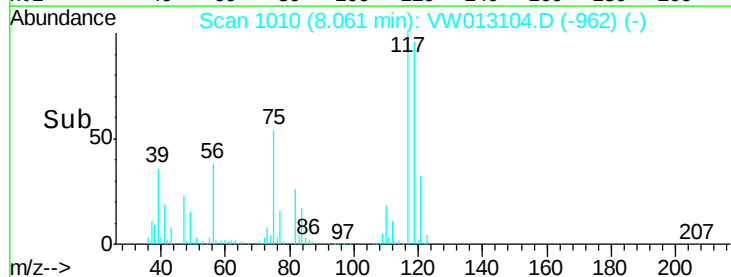
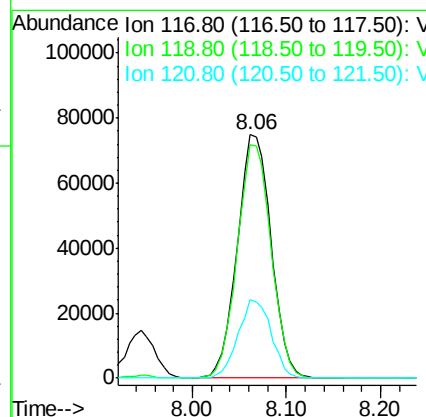
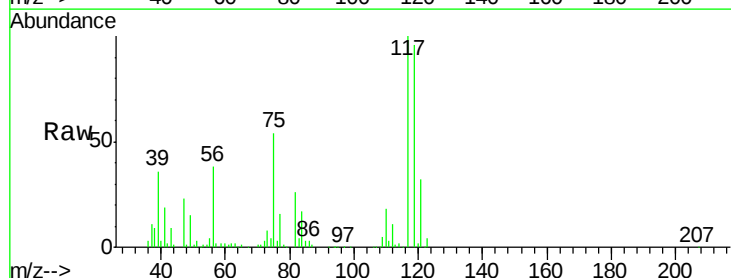
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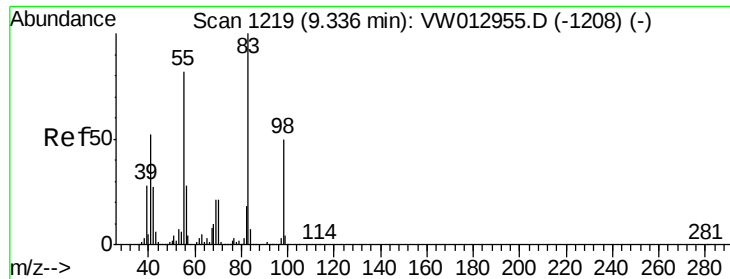
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#38
Carbon Tetrachloride
Concen: 44.052 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.4	119.0
121	32.0	24.6	36.8





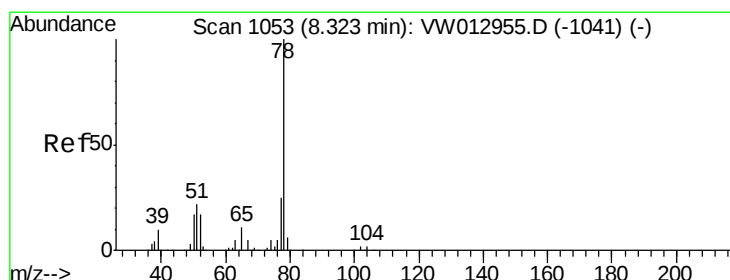
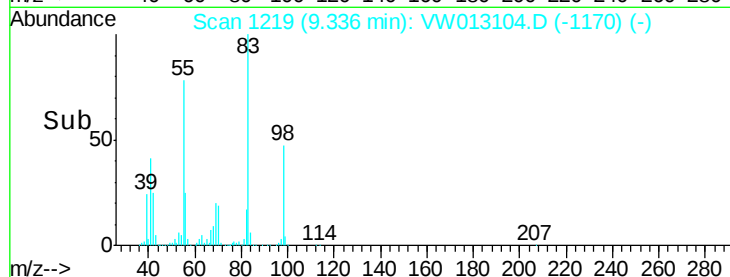
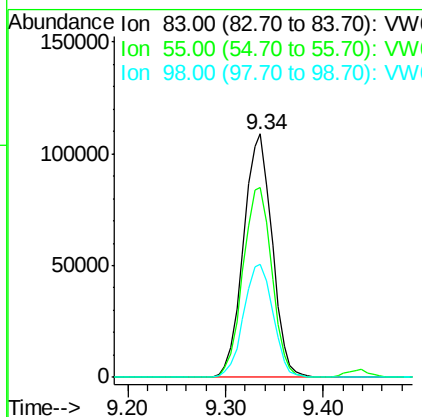
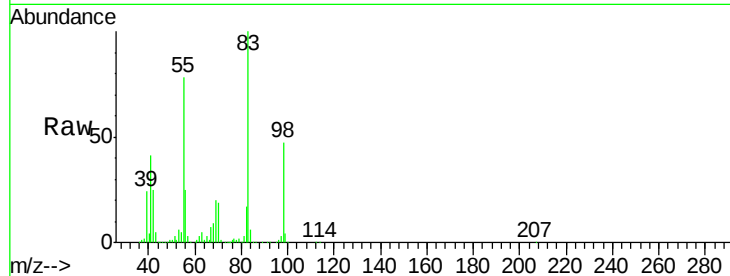
#39
Methvlcvclohexane
Concen: 48.752 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	65.9	98.9
98	46.7	39.6	59.4

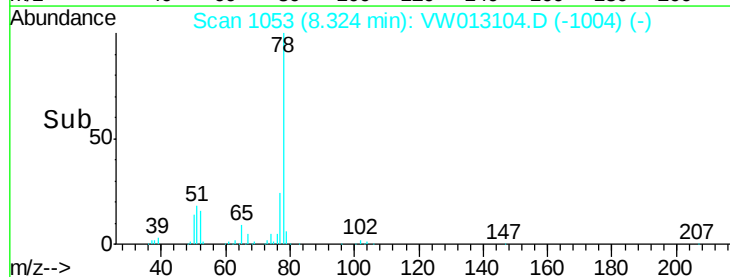
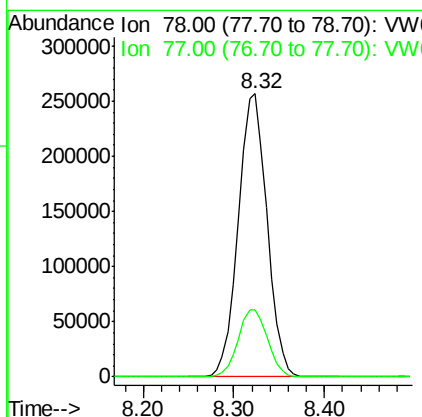
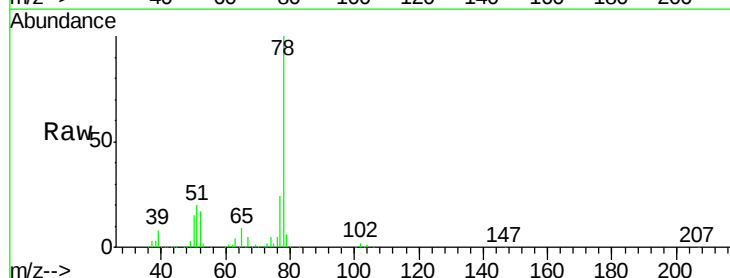
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#40
Benzene
Concen: 49.127 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4





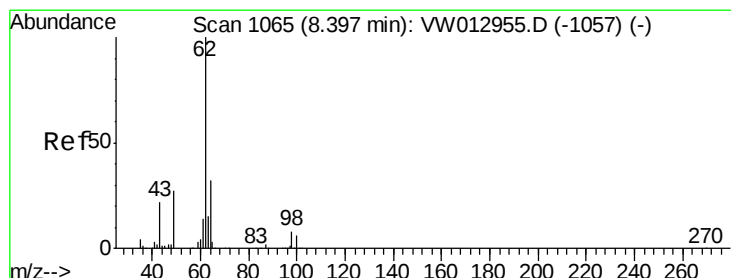
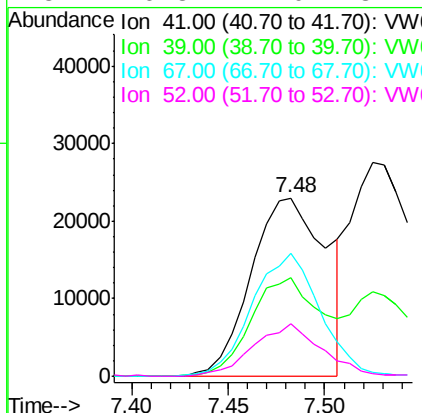
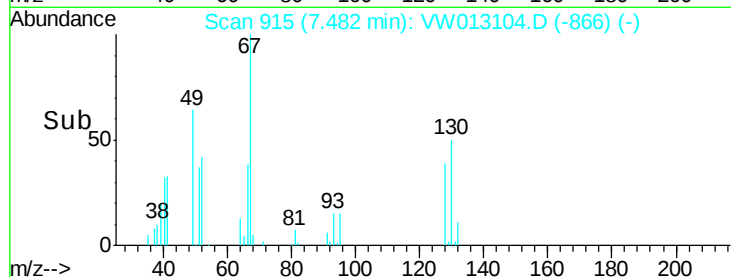
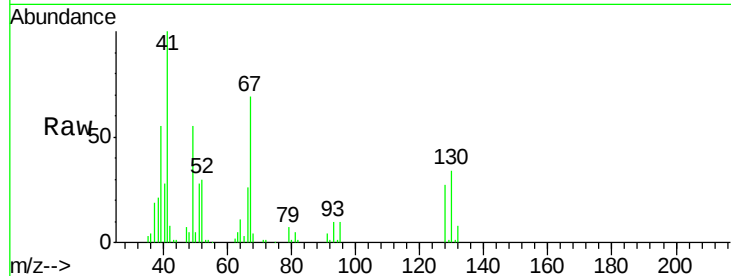
#41
Methacrylonitrile
Concen: 43.369 ug/l m
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	62789
Ion	Ratio	Lower	Upper
41	100		
39	52.0	48.2	72.4
67	62.3	47.5	71.3
52	26.8	21.0	31.4

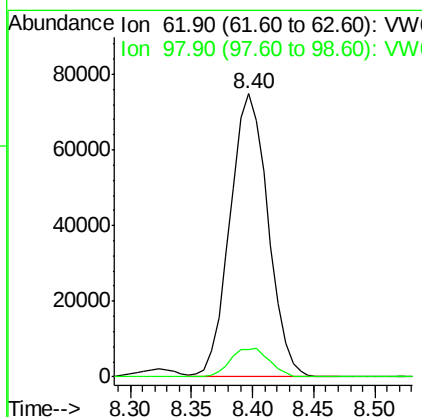
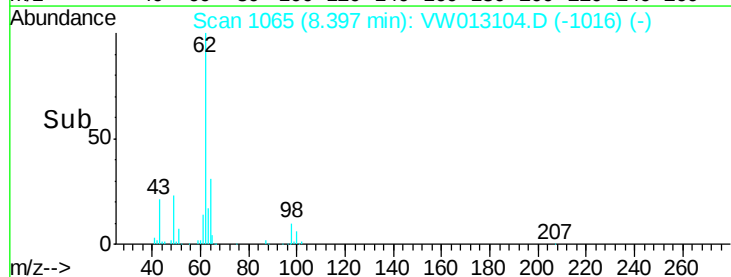
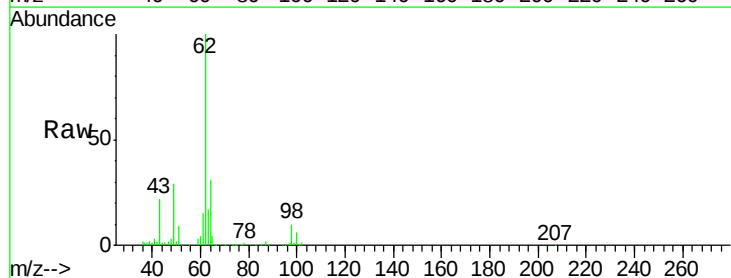
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#42
1,2-Dichloroethane
Concen: 41.585 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	62	Resp	161187
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 42.996 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

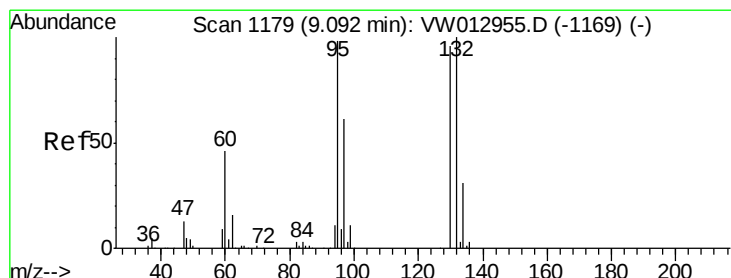
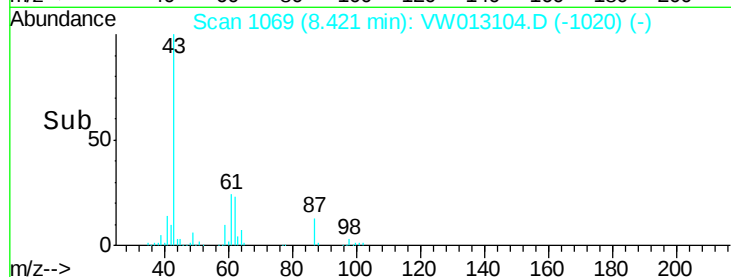
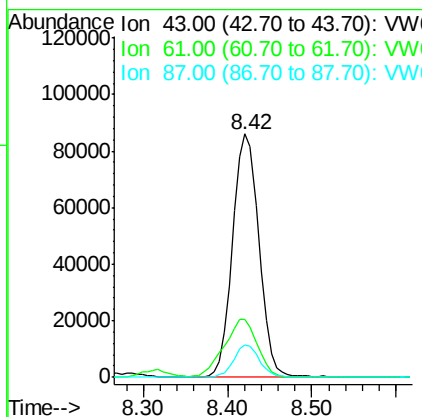
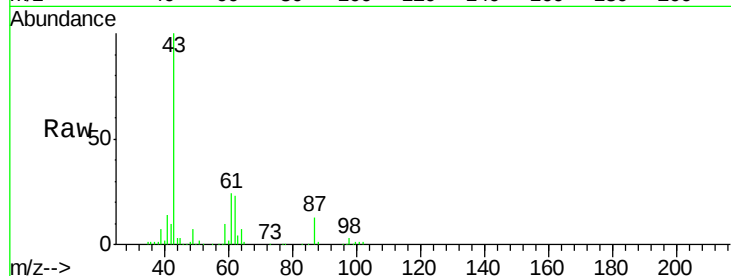
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	181492
Ion	Ratio	Lower	Upper
43	100		
61	30.6	22.7	34.1
87	13.1	9.4	14.2

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#44

Trichloroethene

Concen: 49.490 ug/l

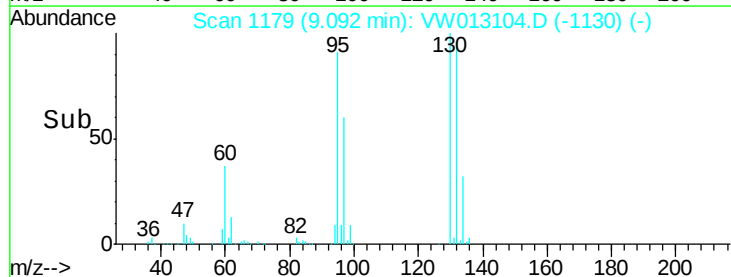
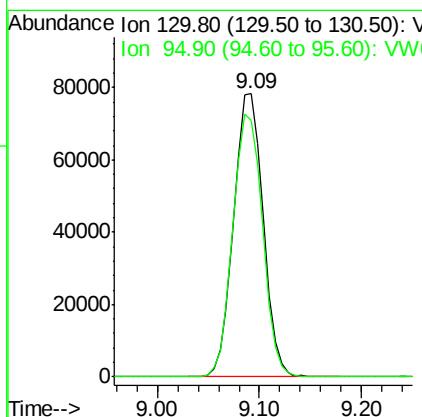
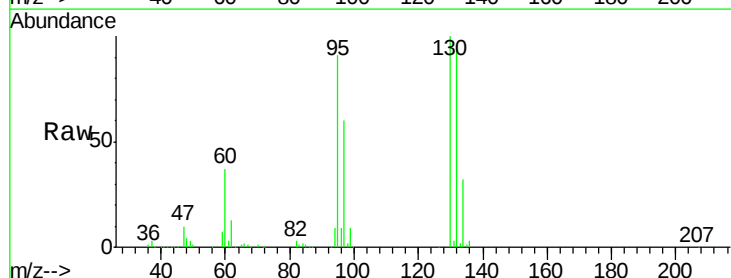
RT: 9.09 min Scan# 1179

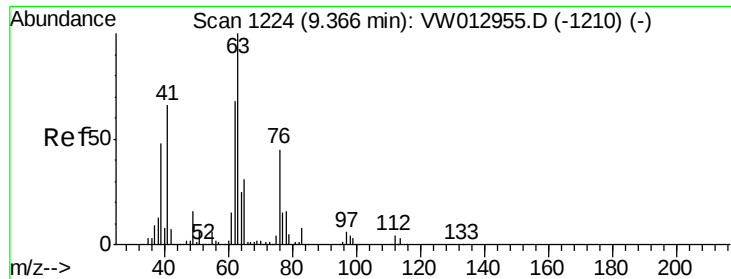
Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion:	130	Resp:	156741
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	204.4





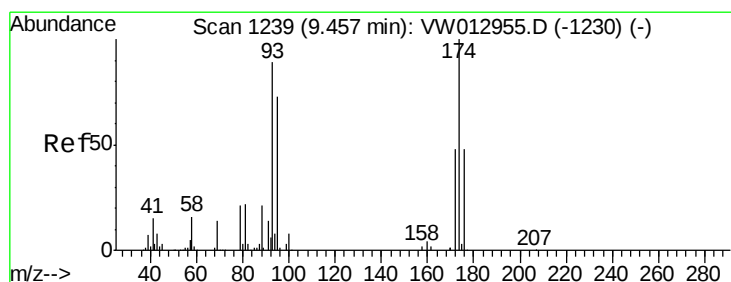
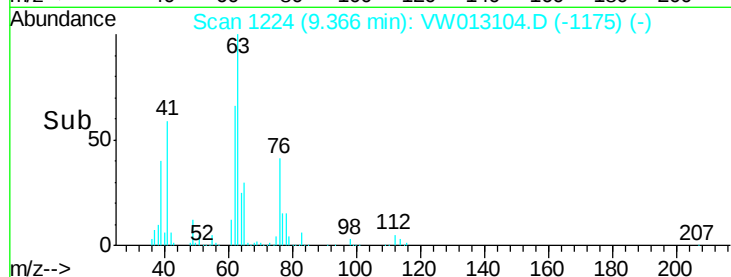
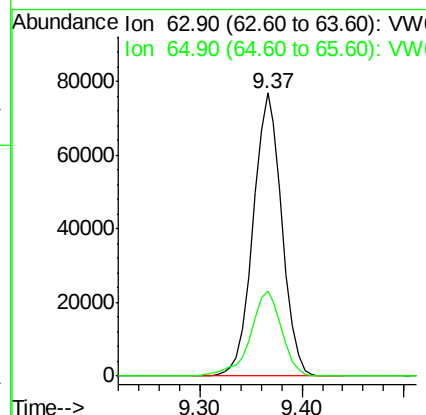
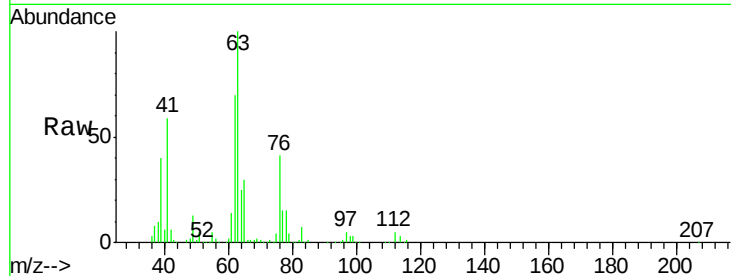
#45
 1,2-Dichloropropane
 Concen: 49.084 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	37.0

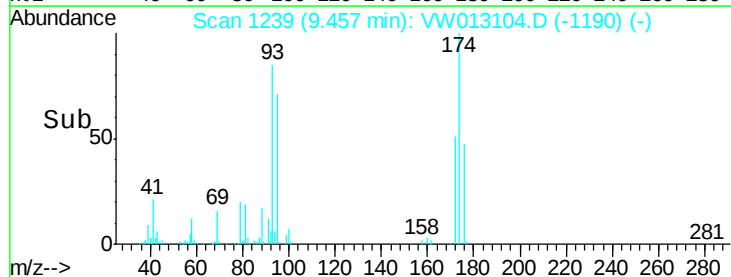
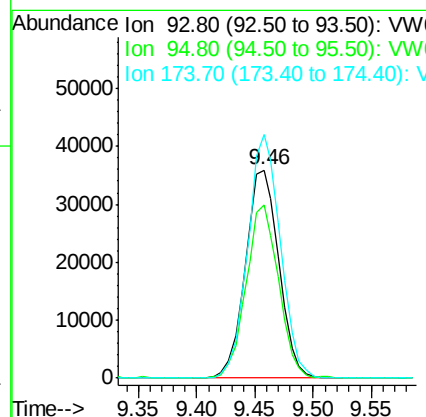
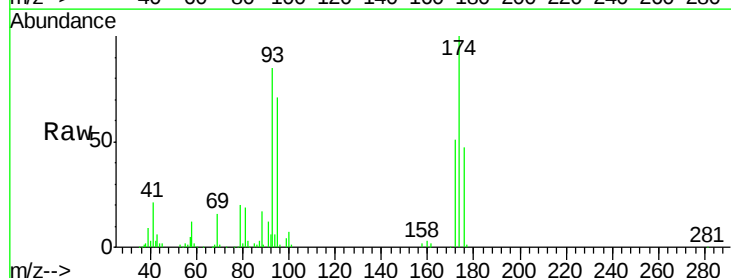
Manual Integrations
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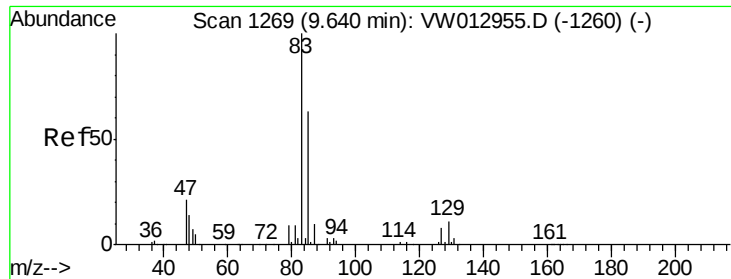
MMDadoda
 9/19/2019 11:22:06 AM



#46
 Dibromomethane
 Concen: 48.903 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	67.0	100.4
174	114.4	90.5	135.7





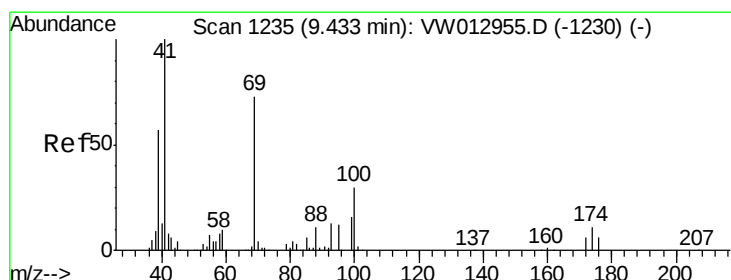
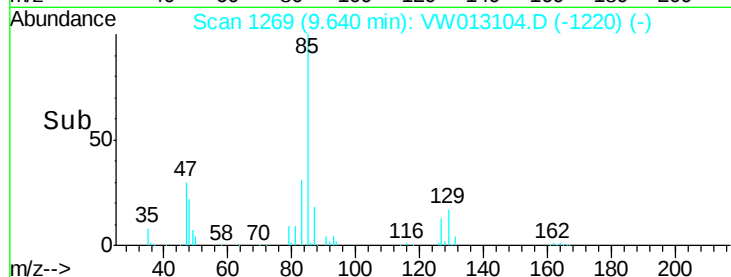
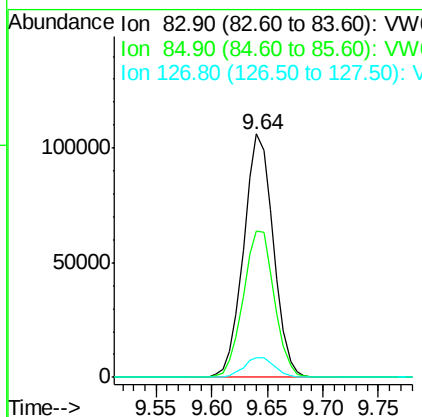
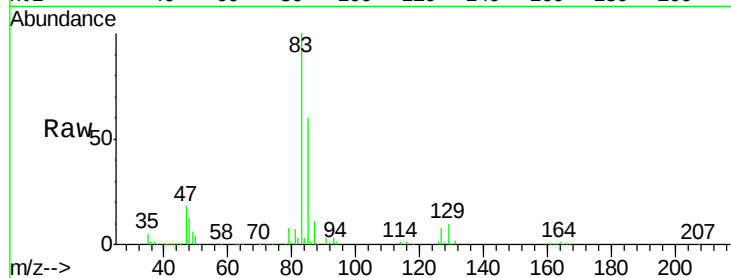
#47
Bromodichloromethane
Concen: 47.764 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197191		
85	59.9	50.6	75.8	
127	8.0	6.7	10.1	

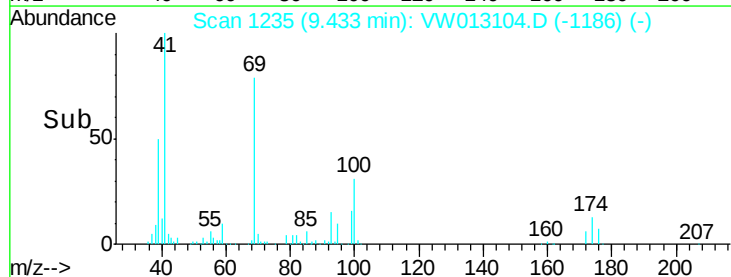
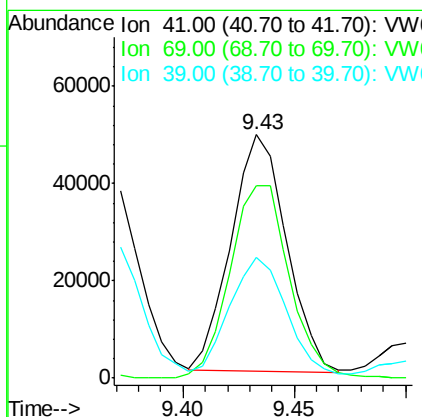
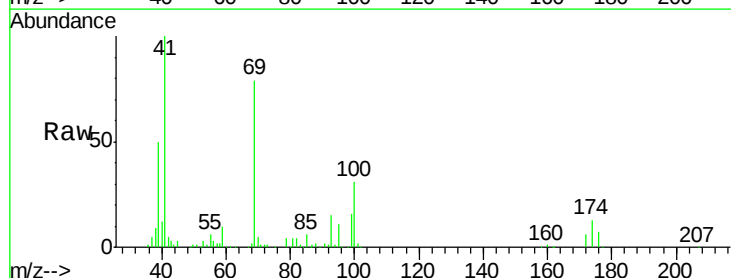
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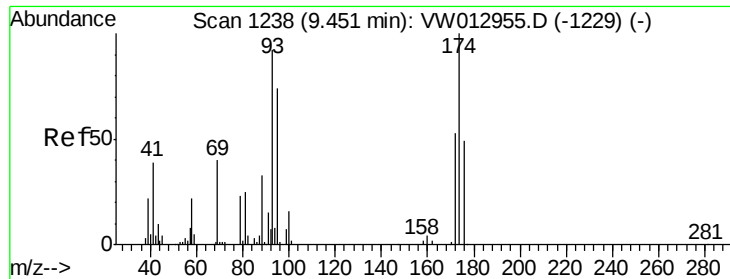
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9/19/2019 11:22:06 AM



#48
Methyl methacrylate
Concen: 42.558 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84309		
69	87.7	62.8	94.2	
39	53.0	48.5	72.7	





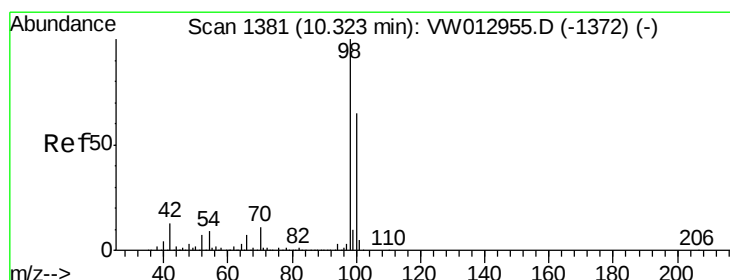
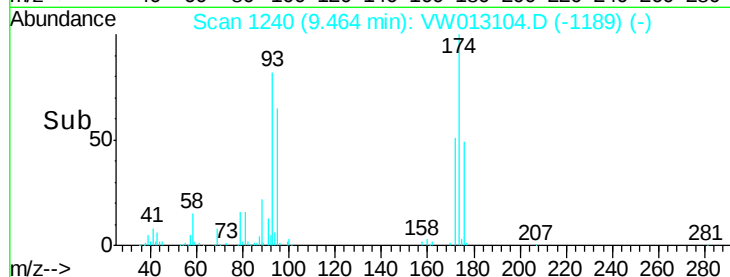
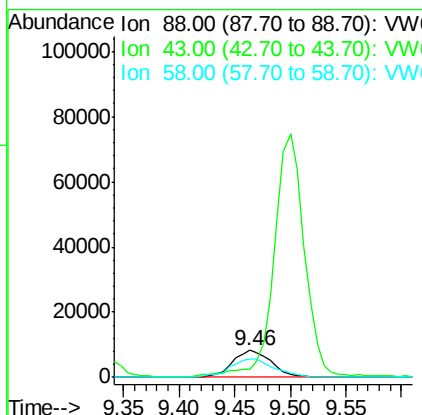
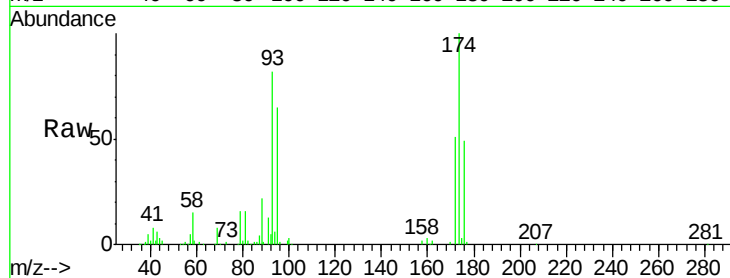
#49
1,4-Dioxane
Concen: 811.811 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	78.2	60.2	90.2

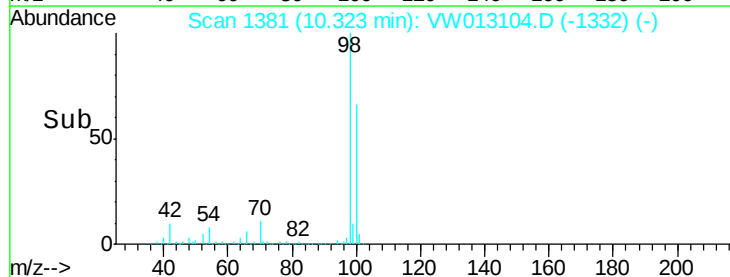
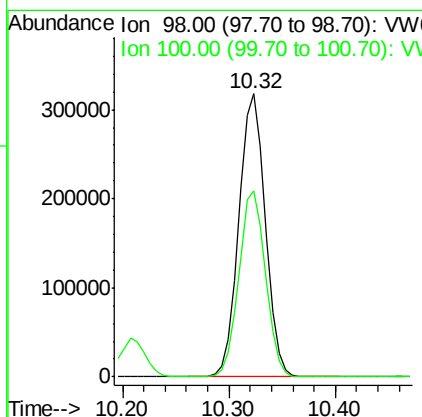
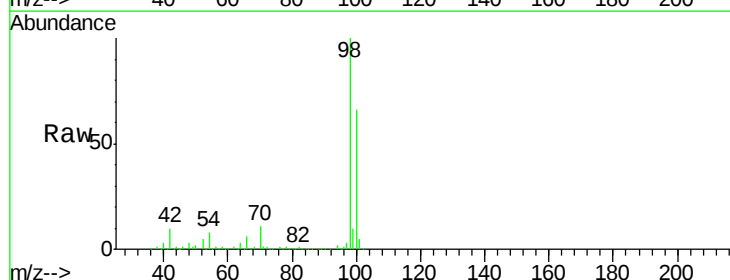
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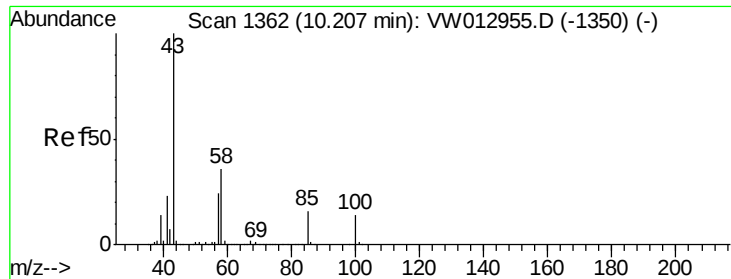
MMDadoda
9/19/2019 11:22:06 AM



#50
Toluene-d8
Concen: 50.412 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 215.514 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 469664

Ion Ratio Lower Upper

43 100

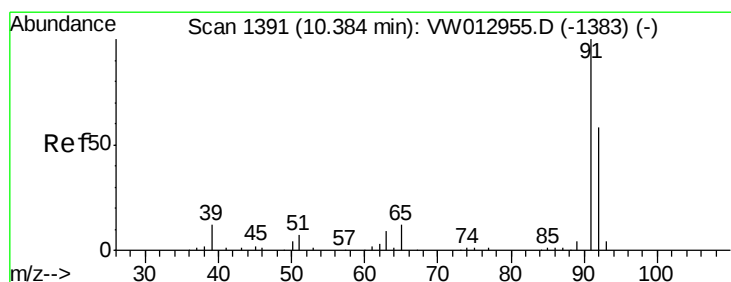
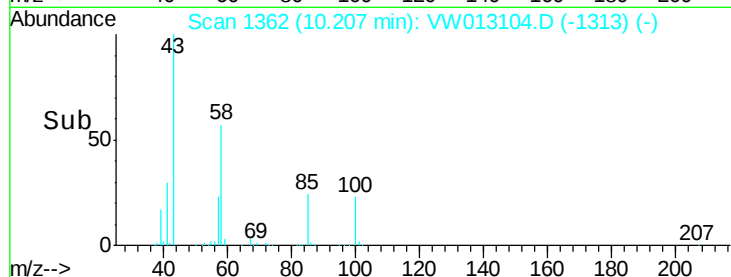
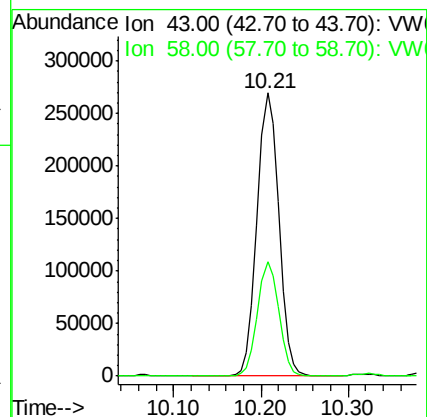
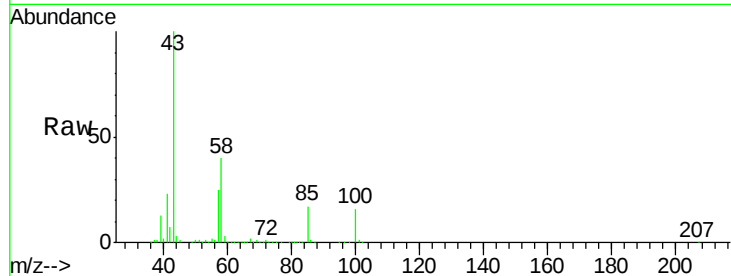
58 39.7 29.5 44.3

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9/19/2019 11:22:06 AM



#52

Toluene

Concen: 50.451 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013104.D

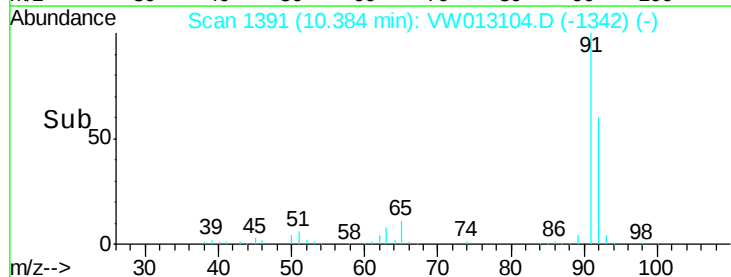
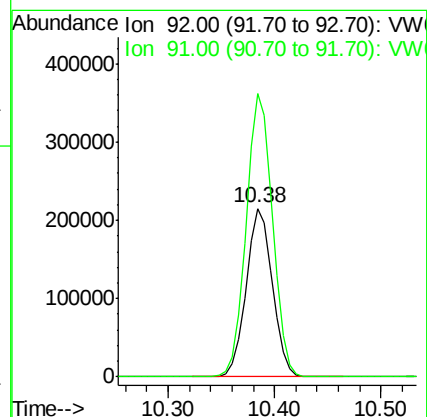
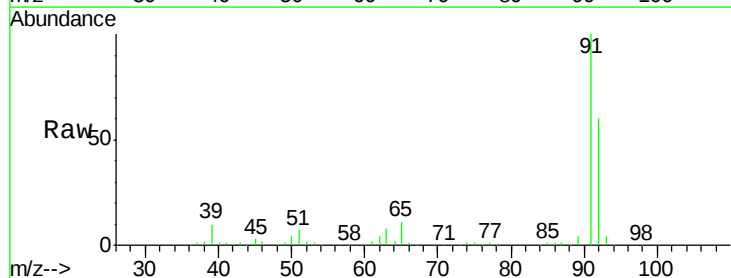
Acq: 18 Sep 2019 10:55

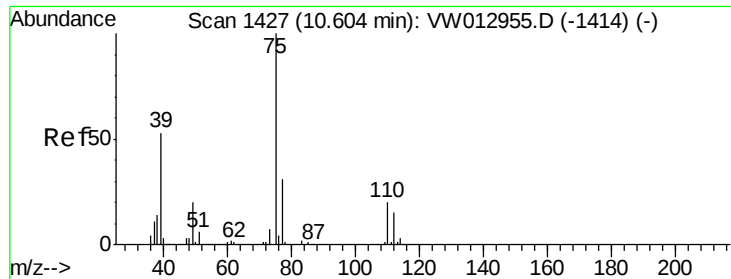
Tgt Ion: 92 Resp: 370684

Ion Ratio Lower Upper

92 100

91 169.6 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 47.477 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 197127

Ion Ratio Lower Upper

75 100

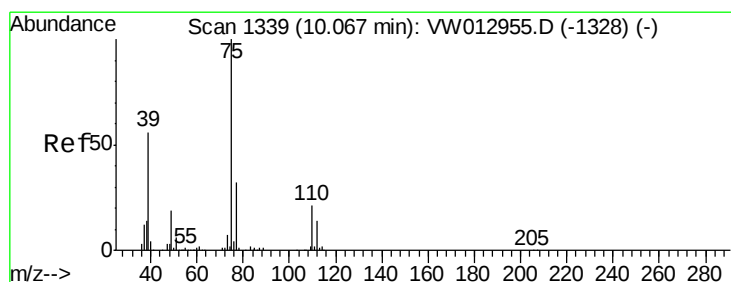
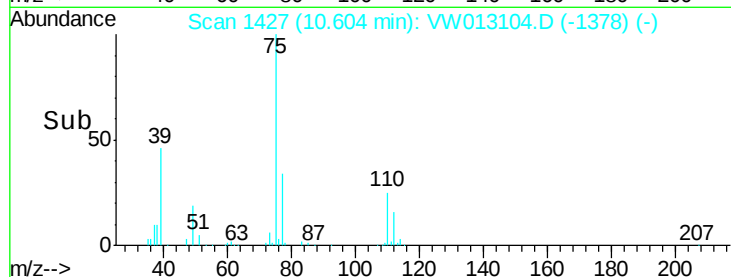
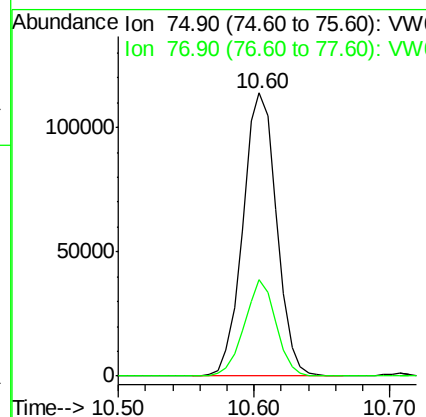
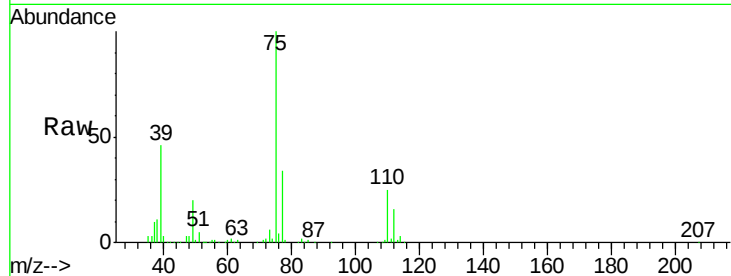
77 33.7 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.999 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

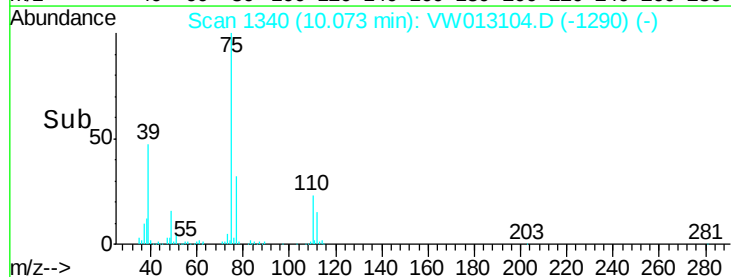
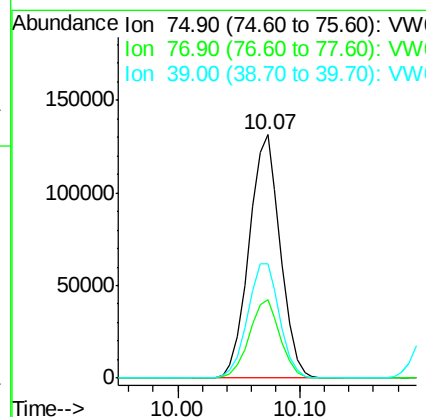
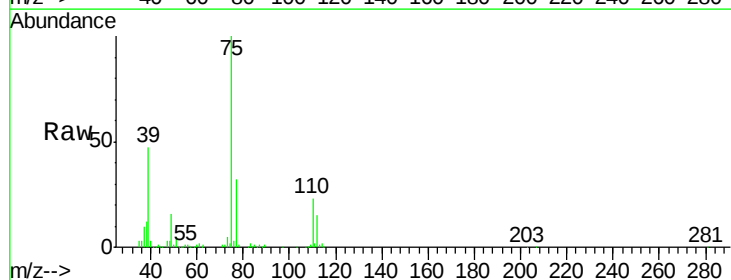
Tgt Ion: 75 Resp: 232780

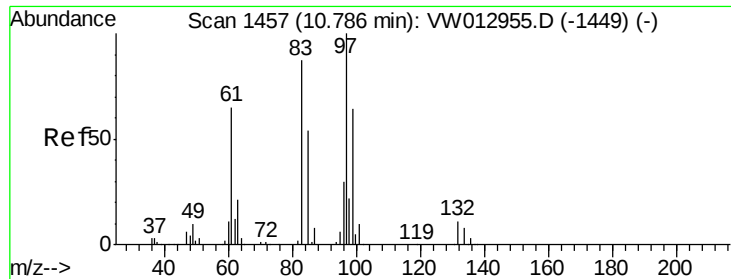
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

39 47.0 45.0 67.6





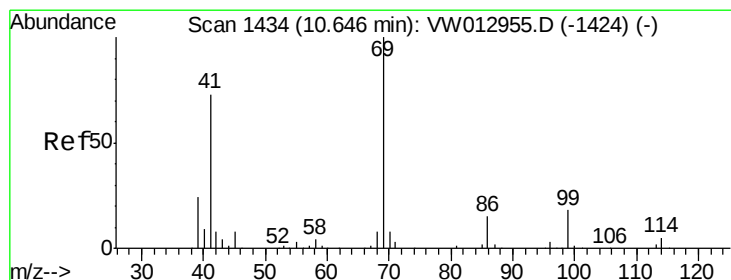
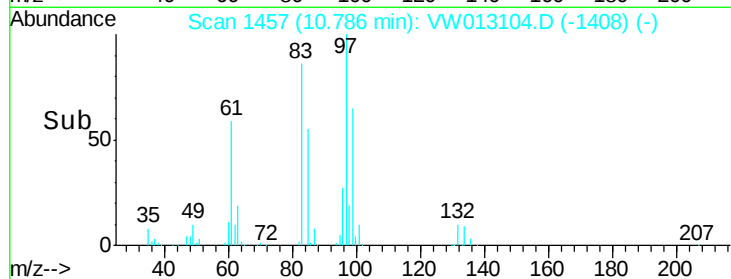
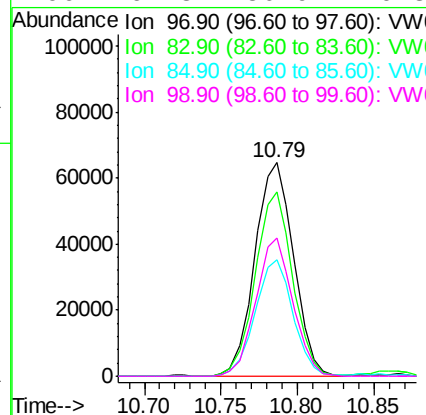
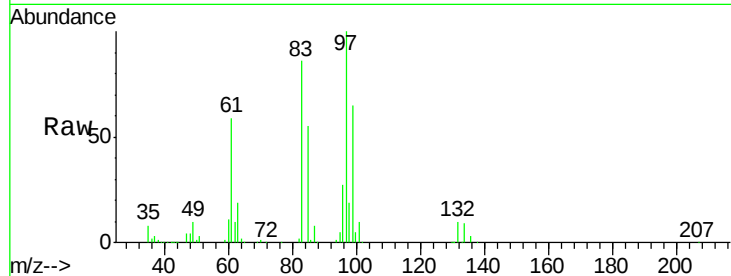
#55
 1,1,2-Trichloroethane
 Concen: 50.479 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	113182
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.0
85	54.6	43.3	64.9
99	64.8	50.9	76.3

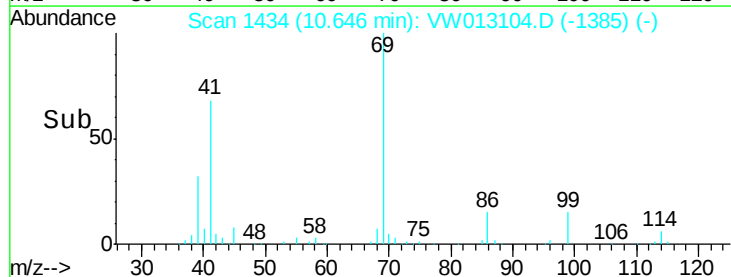
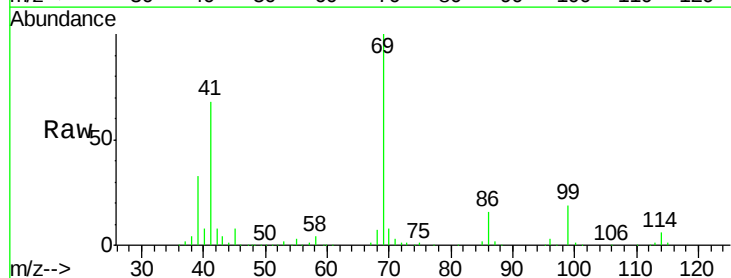
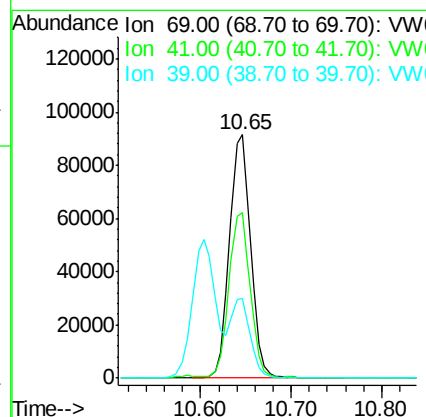
Manual Integrations
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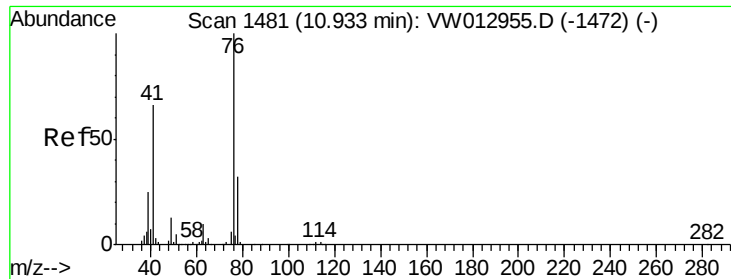
MMDadoda
 9/19/2019 11:22:06 AM



#56
 Ethyl methacrylate
 Concen: 49.442 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion:	69	Resp:	149216
Ion	Ratio	Lower	Upper
69	100		
41	67.6	60.8	91.2
39	29.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 49.061 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 195135

Ion Ratio Lower Upper

76 100

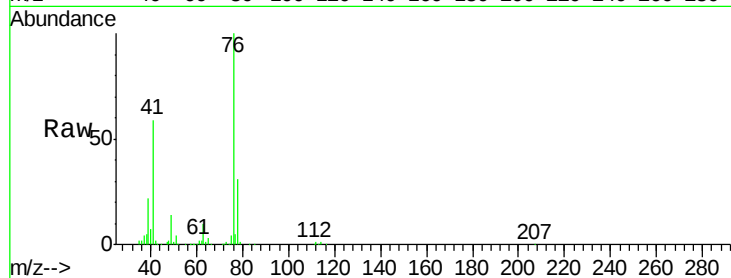
78 31.6 25.6 38.4

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

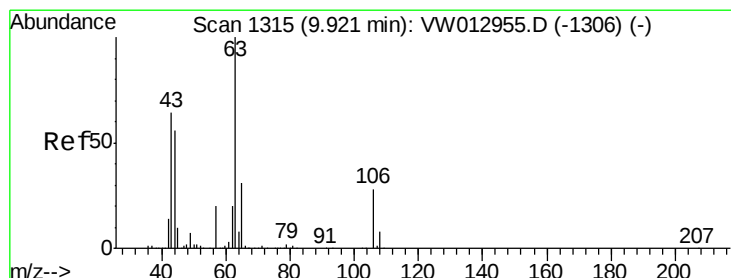
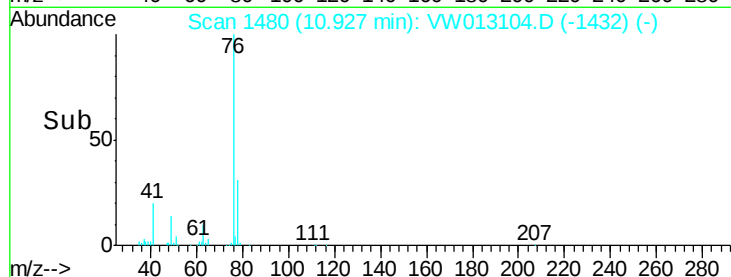
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 249.474 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013104.D

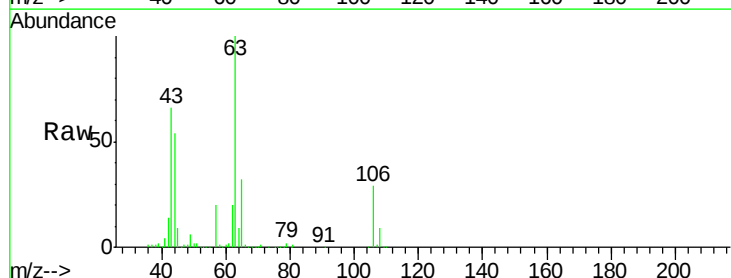
Acq: 18 Sep 2019 10:55

Tgt Ion: 63 Resp: 403885

Ion Ratio Lower Upper

63 100

106 28.9 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

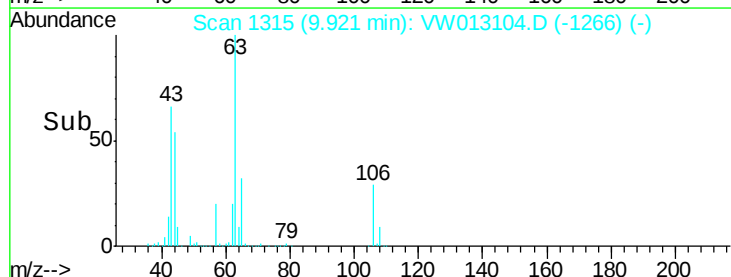
150000

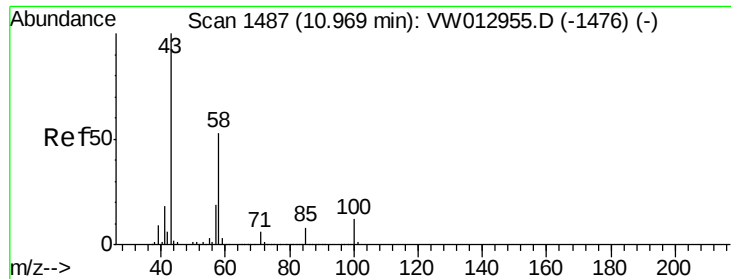
100000

50000

0

Time-->





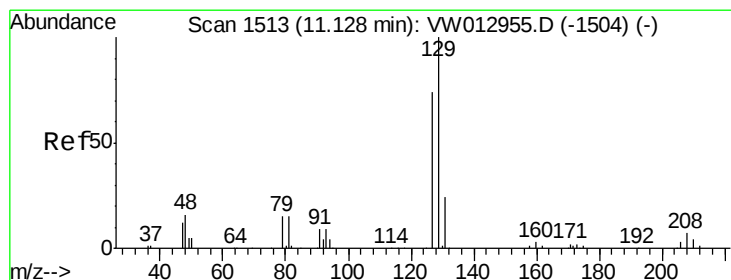
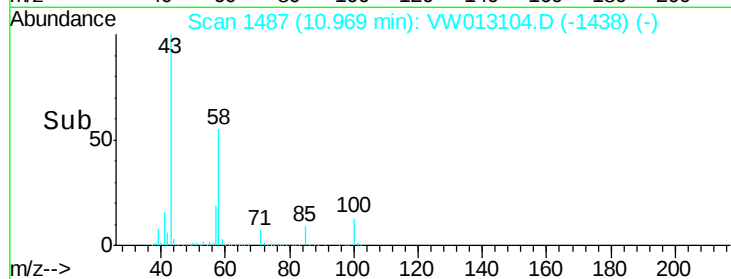
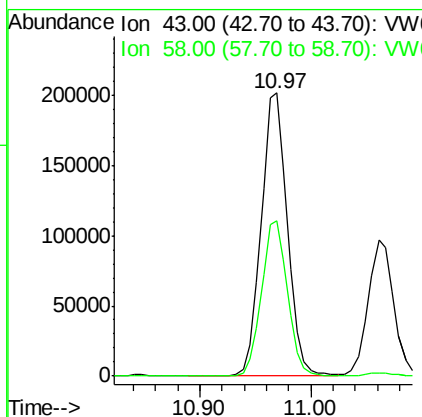
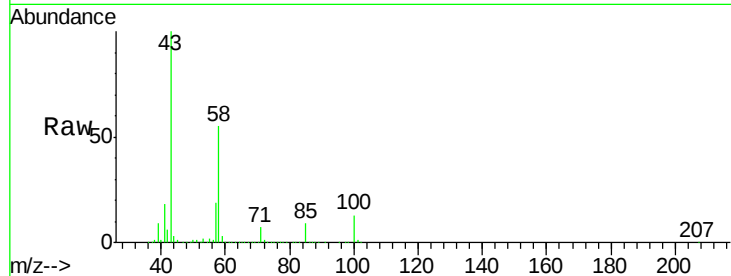
#59
2-Hexanone
Concen: 218.115 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 330979
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3

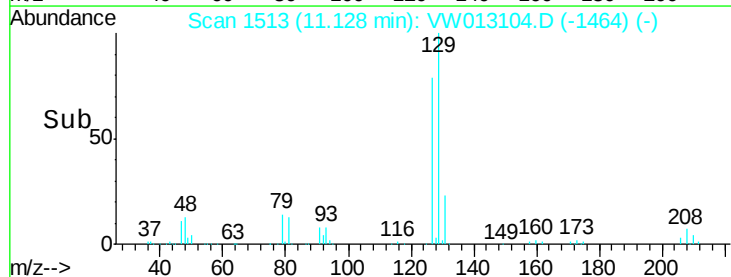
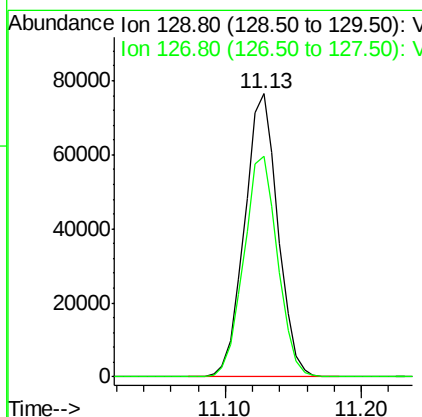
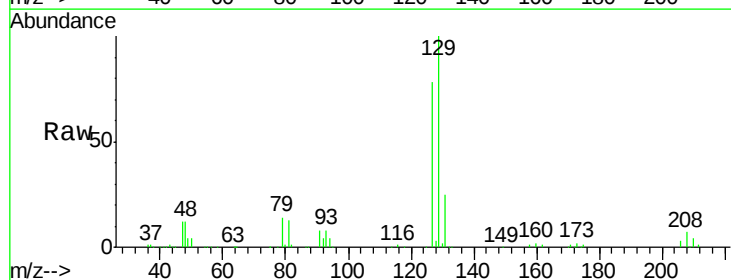
Manual Integrations
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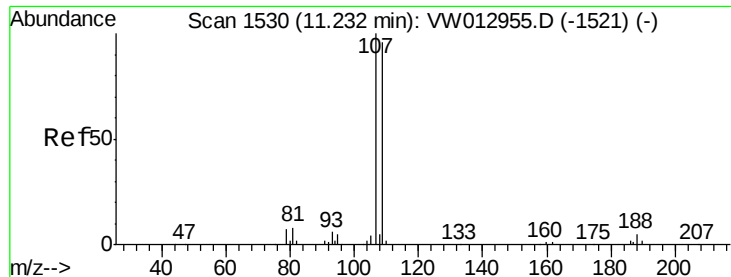
MMDadoda
9/19/2019 11:22:06 AM



#60
Dibromochloromethane
Concen: 48.308 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 129 Resp: 130951
Ion Ratio Lower Upper
129 100
127 79.1 37.4 112.2





#61

1,2-Dibromoethane

Concen: 48.656 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 99520

Ion Ratio Lower Upper

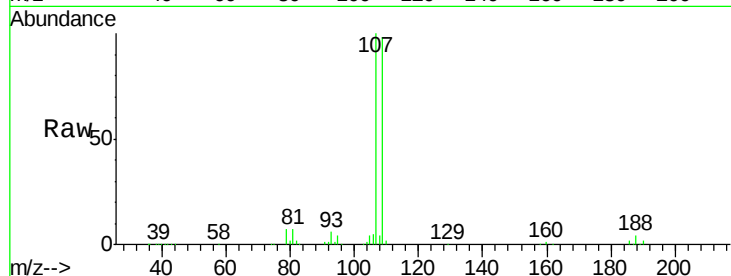
107 100

109 94.6 75.0 112.6

Manual Integrations
APPROVED

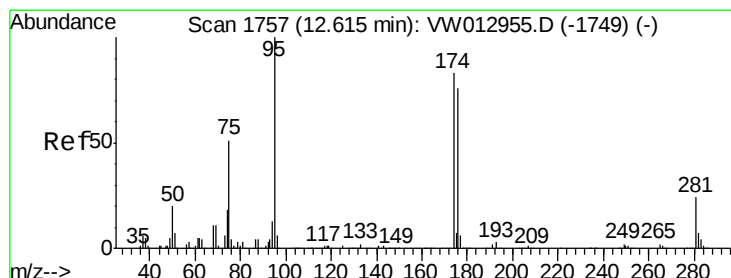
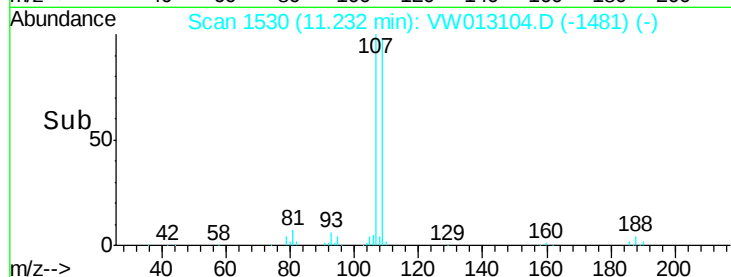
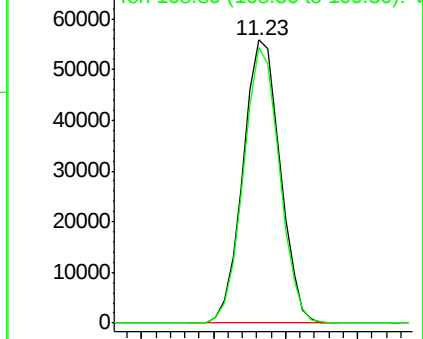
MMDadoda

9/19/2019 11:22:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.242 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

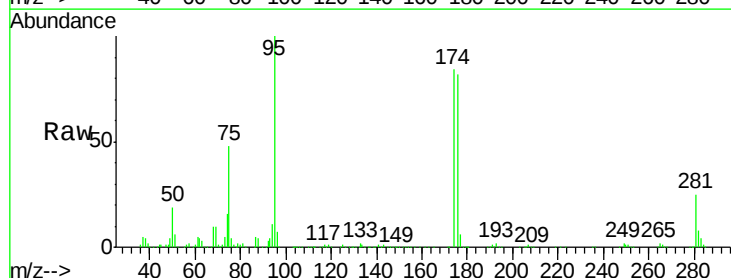
Tgt Ion: 95 Resp: 190912

Ion Ratio Lower Upper

95 100

174 86.4 0.0 170.4

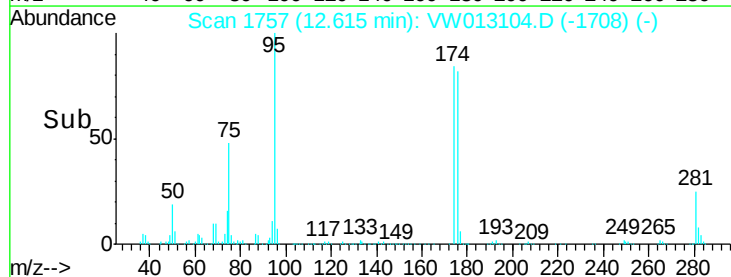
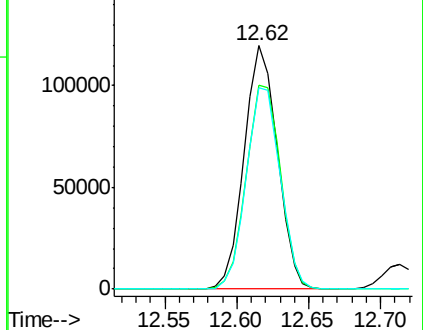
176 84.6 0.0 164.6

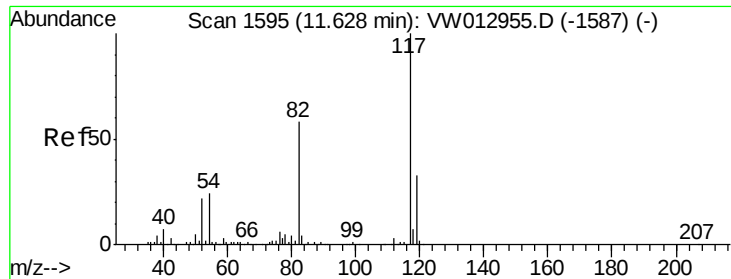


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





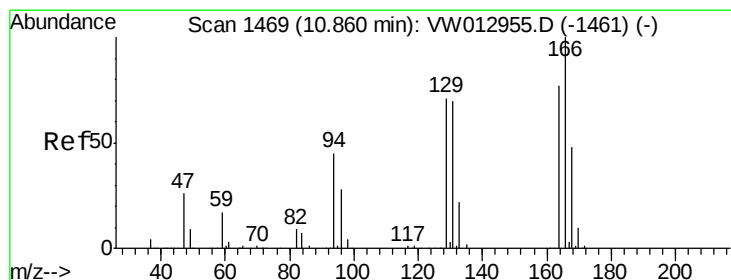
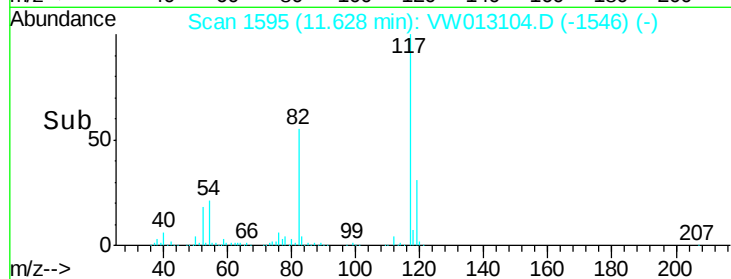
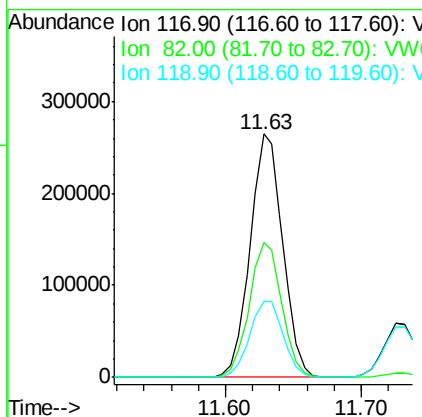
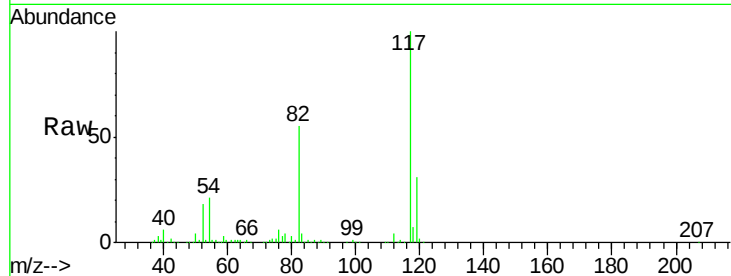
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	443996		
82	55.4	46.3	69.5	
119	31.3	26.2	39.4	

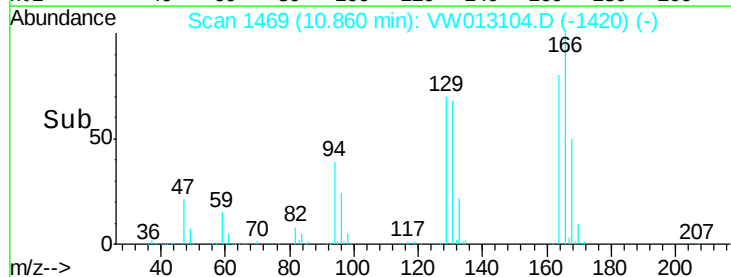
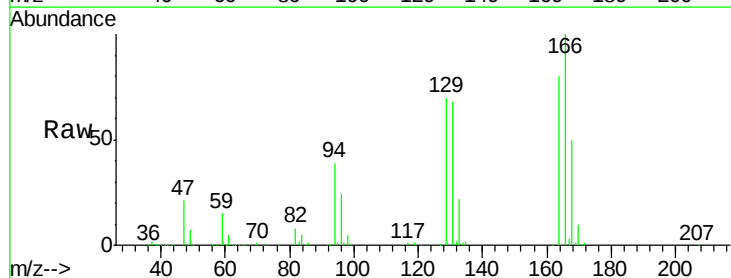
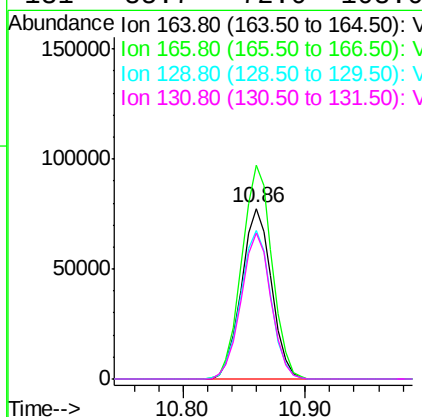
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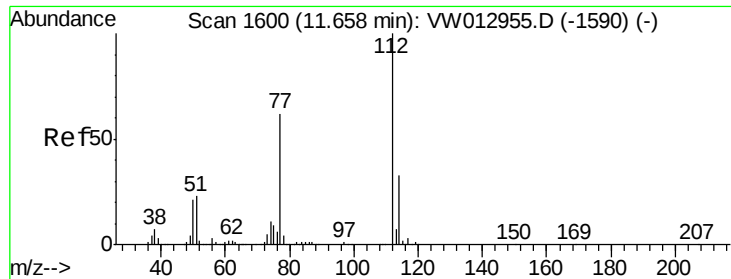
MMDadoda
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#64
Tetrachloroethene
Concen: 49.976 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132003		
166	125.2	103.3	154.9	
129	87.2	73.8	110.8	
131	85.7	72.0	108.0	





#65

Chlorobenzene

Concen: 50.673 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 400750

Ion Ratio Lower Upper

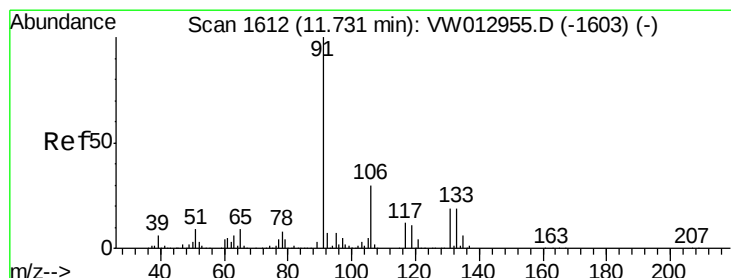
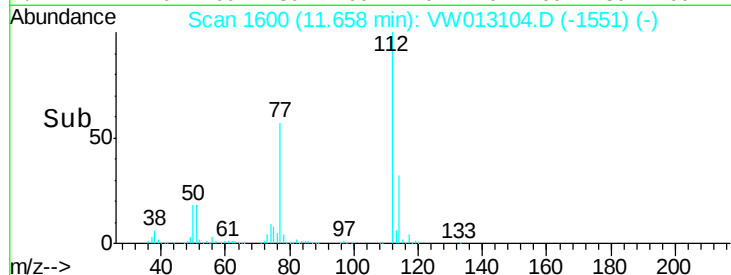
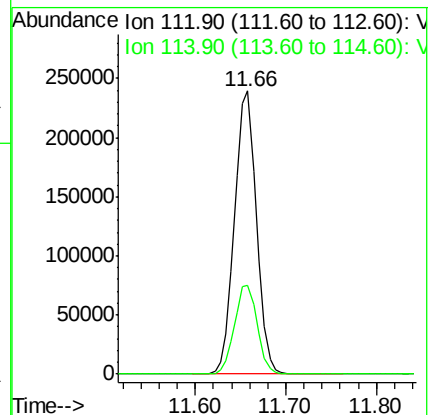
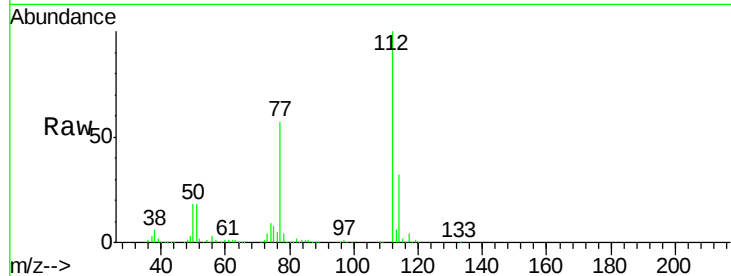
112 100

114 31.5 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.368 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

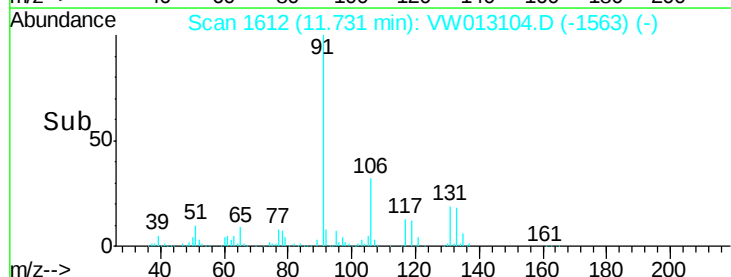
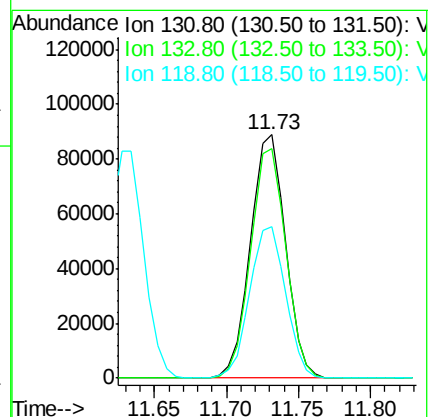
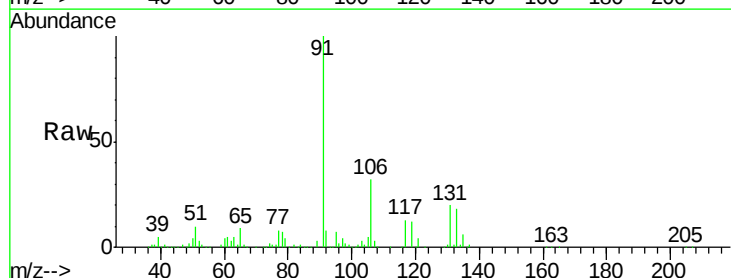
Tgt Ion:131 Resp: 149620

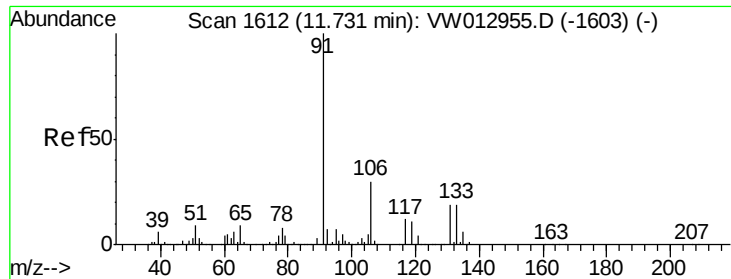
Ion Ratio Lower Upper

131 100

133 94.7 47.9 143.8

119 63.9 30.9 92.7





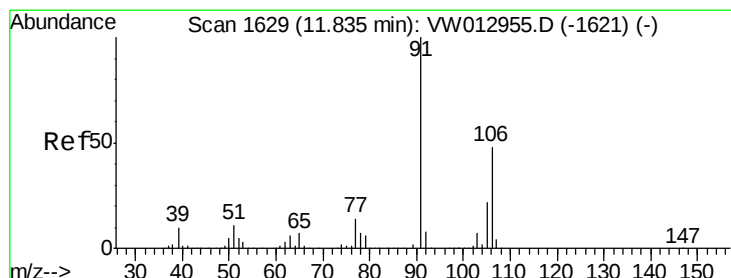
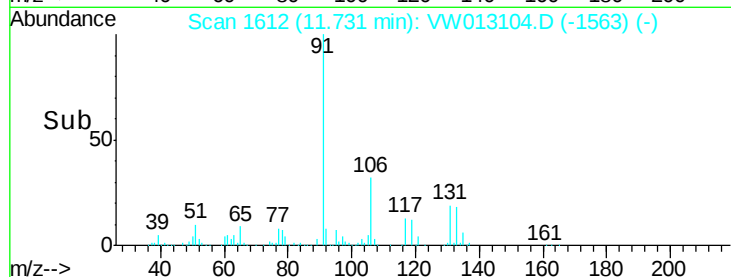
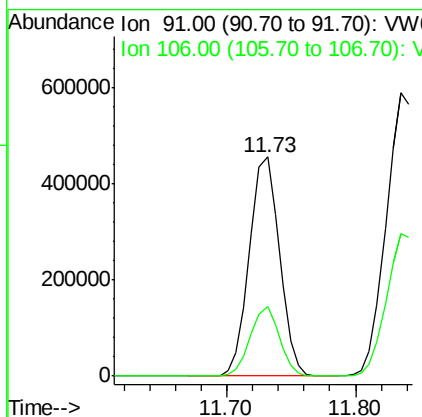
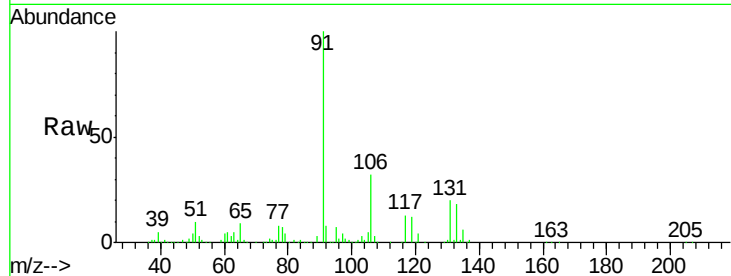
#67
Ethyl Benzene
Concen: 50.472 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 737200
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5

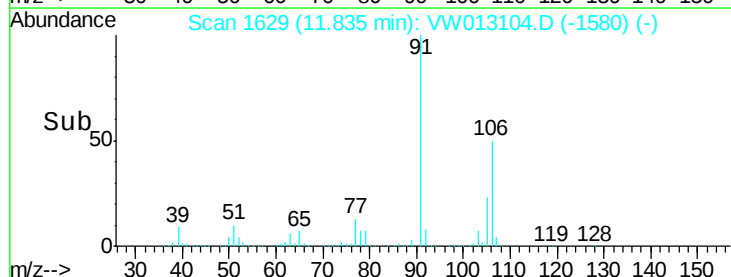
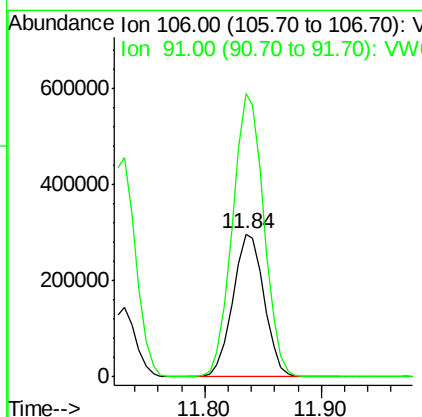
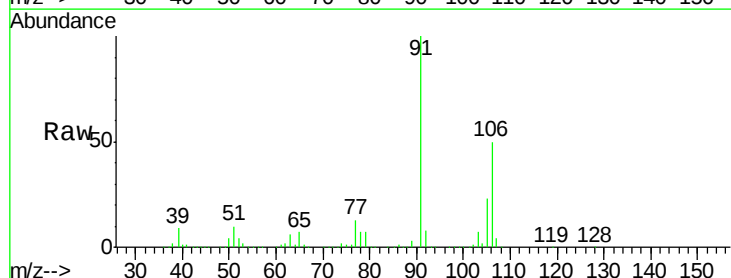
Manual Integrations
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#68
m/p-Xylenes
Concen: 103.766 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion: 106 Resp: 553681
Ion Ratio Lower Upper
106 100
91 199.2 165.8 248.8





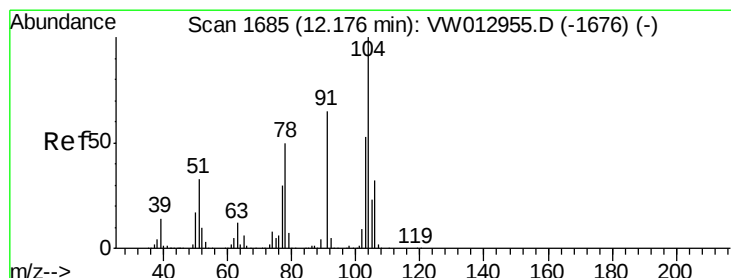
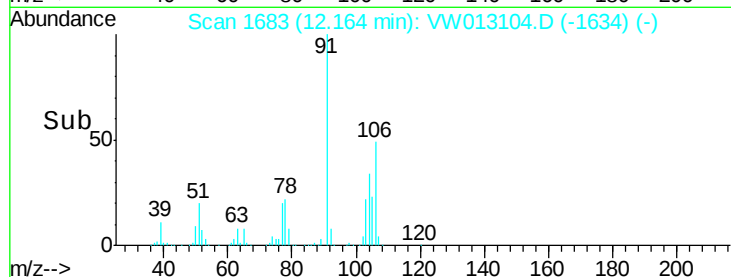
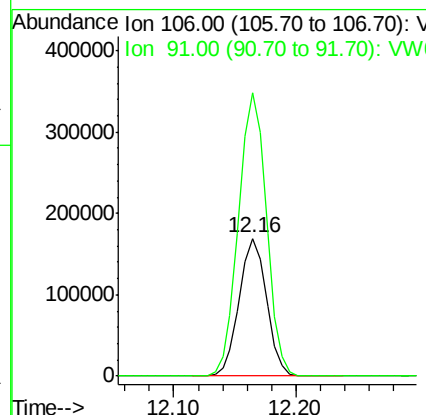
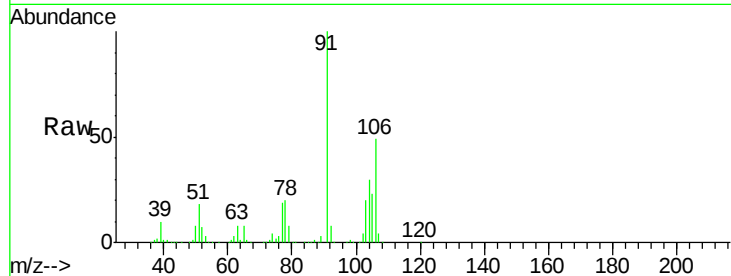
#69
o-Xylene
Concen: 52.507 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	262665		
91	209.1	109.7	329.0	

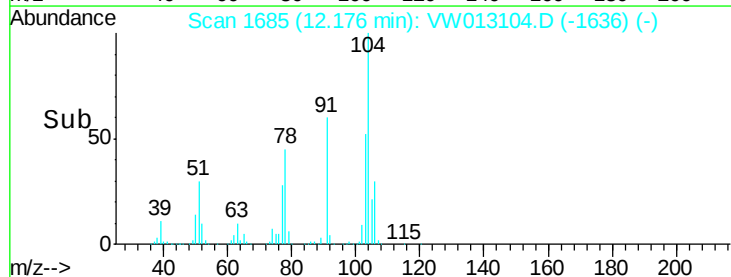
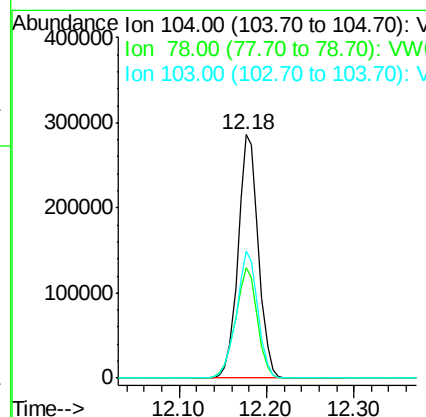
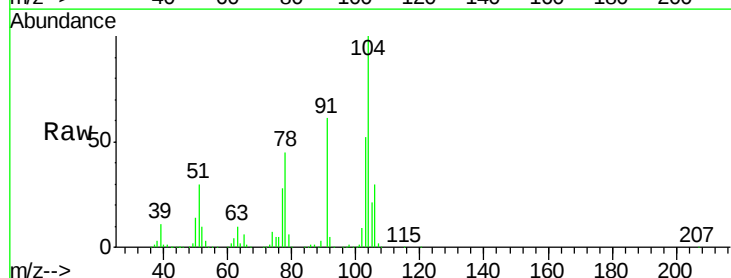
Manual Integrations
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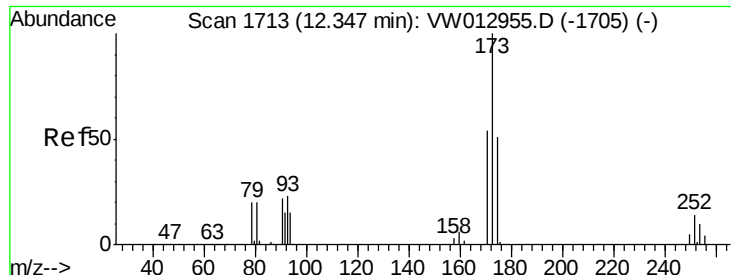
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#70
Styrene
Concen: 52.033 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	463036		
78	48.6	42.1	63.1	
103	54.7	44.2	66.4	





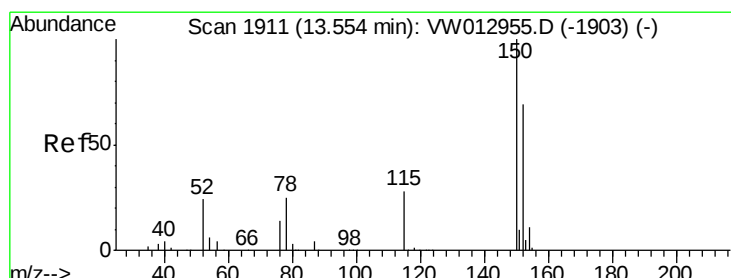
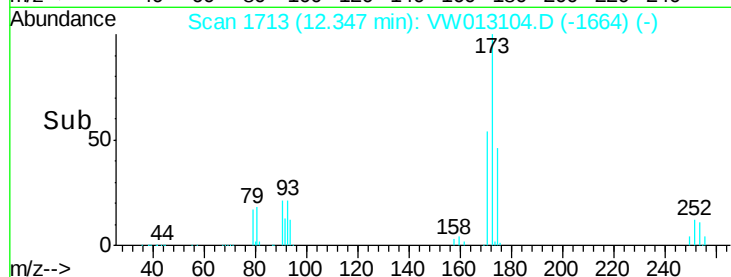
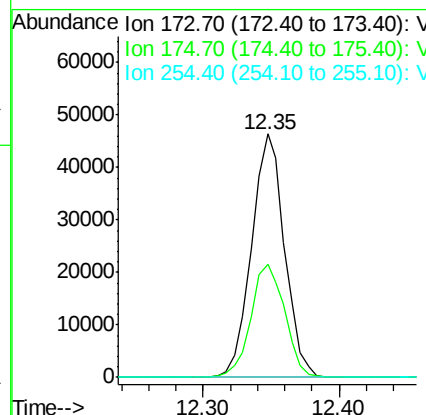
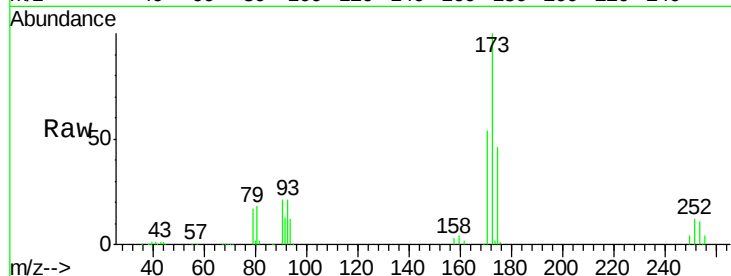
#71
Bromoform
Concen: 49.409 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.2	72.6
254	0.2	0.1	0.1#

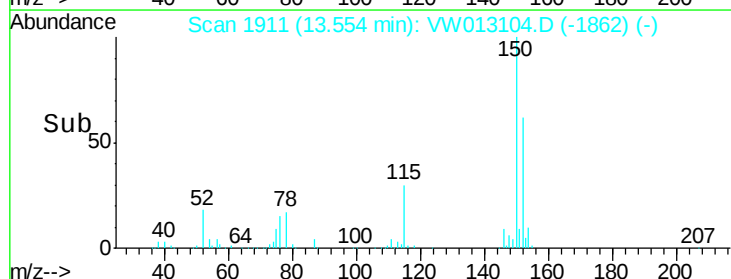
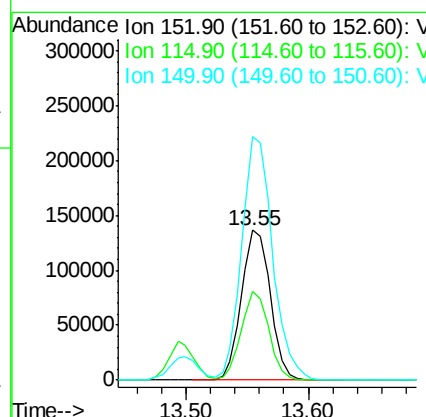
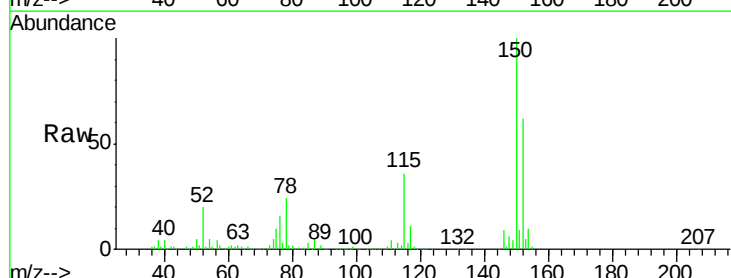
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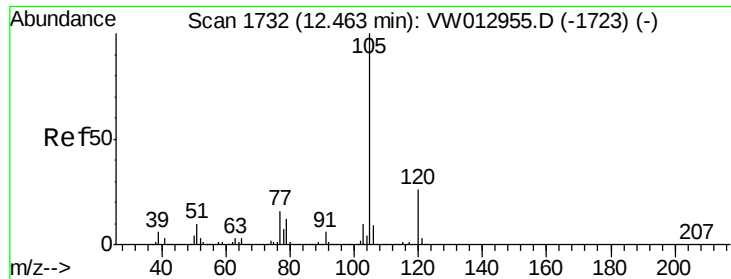
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.8	86.4
150	173.5	0.0	340.2





#73

Isopropylbenzene

Concen: 49.894 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 738375

Ion Ratio Lower Upper

105 100

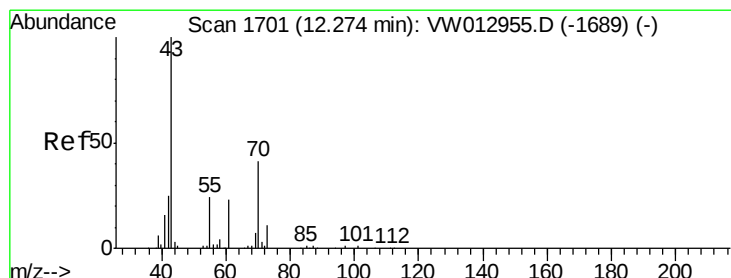
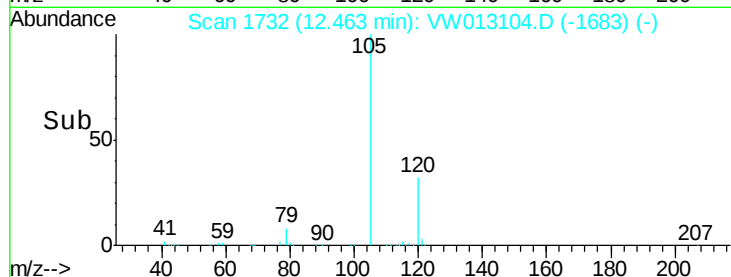
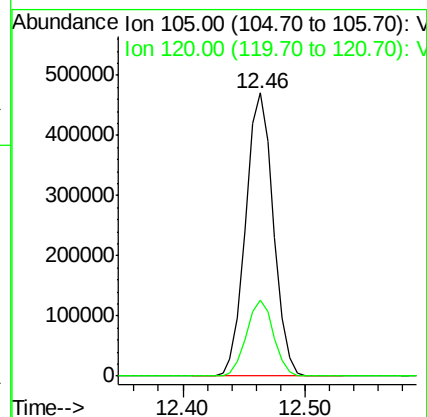
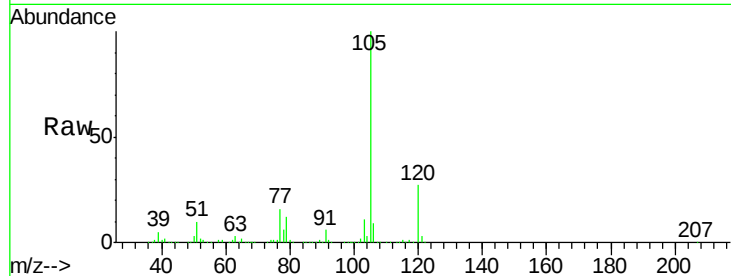
120 26.4 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.236 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion: 43 Resp: 172210

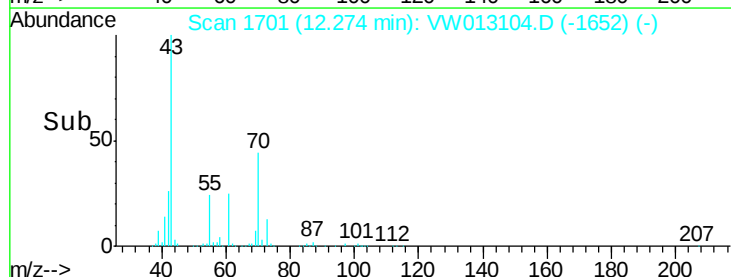
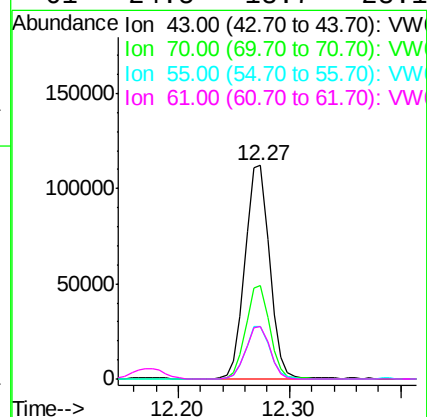
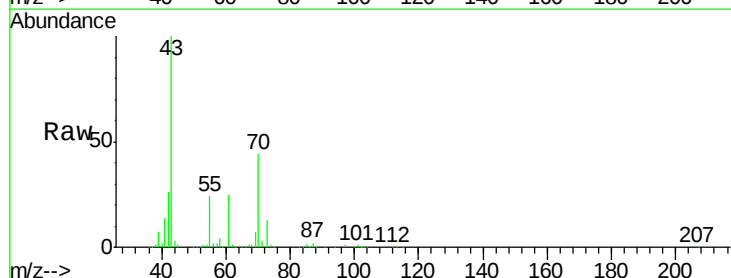
Ion Ratio Lower Upper

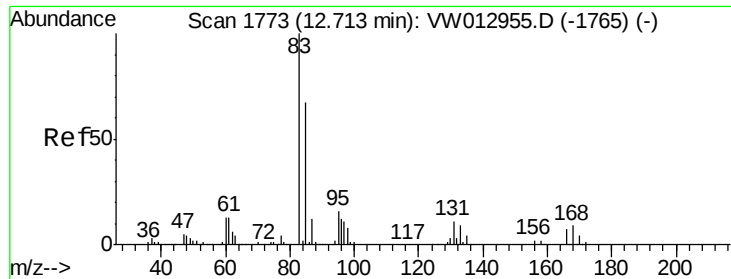
43 100

70 42.9 31.7 47.5

55 24.4 19.4 29.2

61 24.5 18.7 28.1





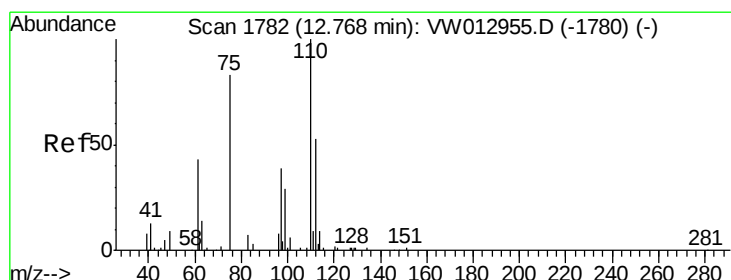
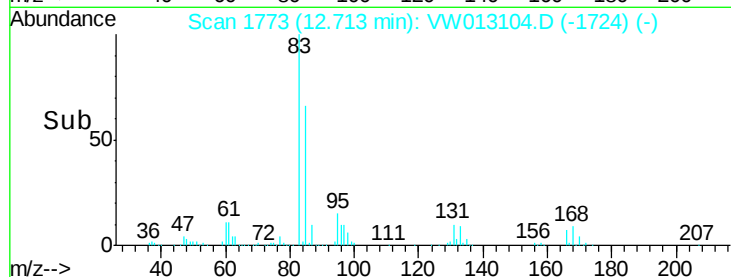
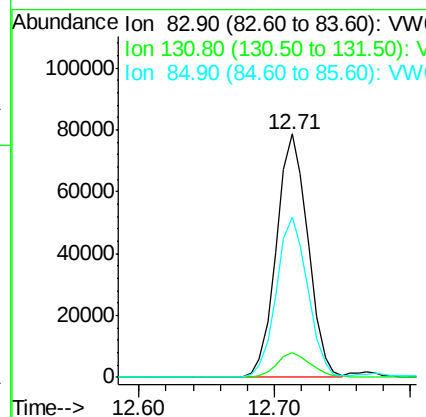
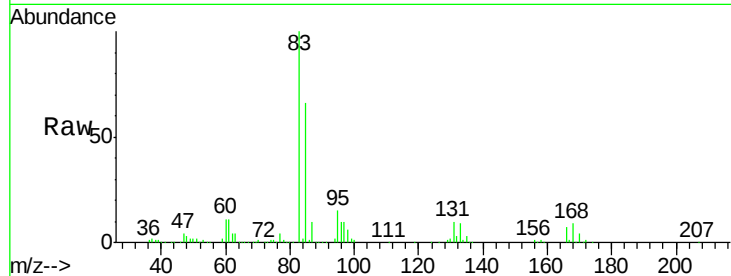
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.061 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127521		
131	10.9	5.7	17.1	
85	65.3	31.4	94.3	

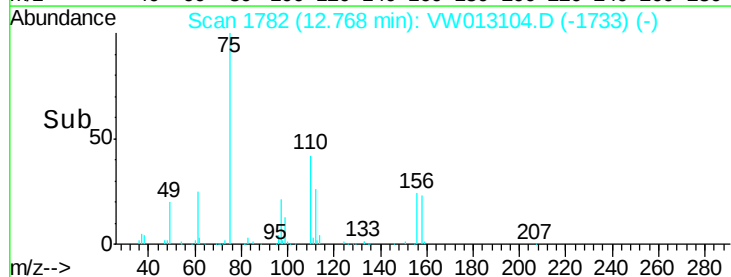
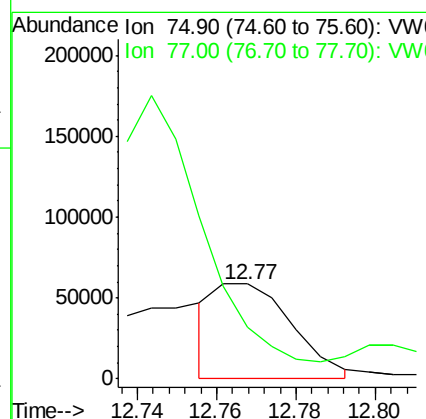
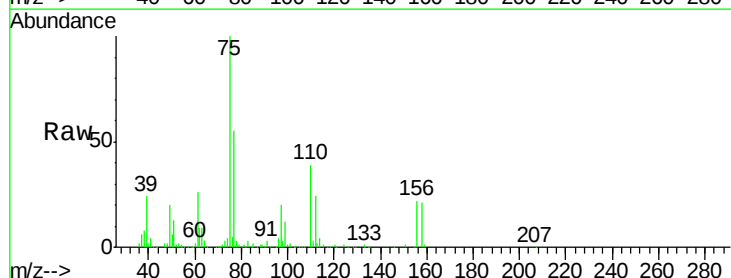
Manual Integrations
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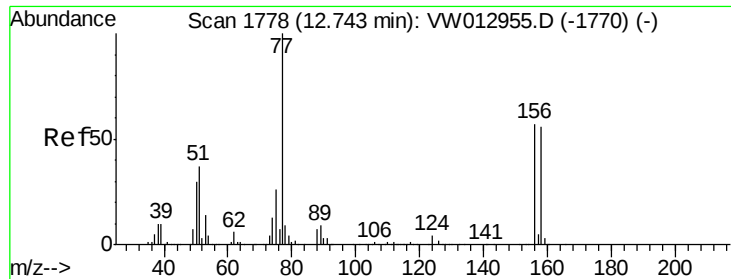
MMDadoda
 9/19/2019 11:22:06 AM



#76
 1,2,3-Trichloropropane
 Concen: 40.722 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79638		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 50.794 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

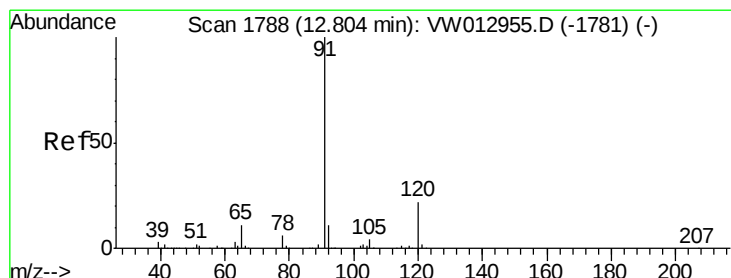
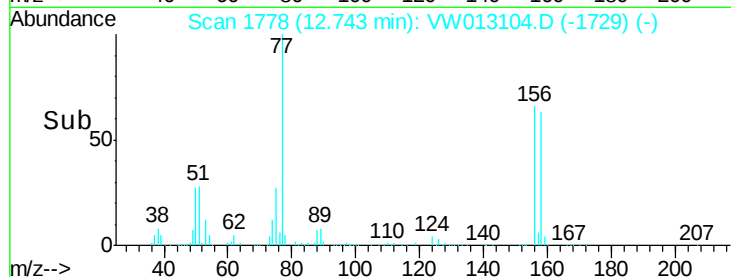
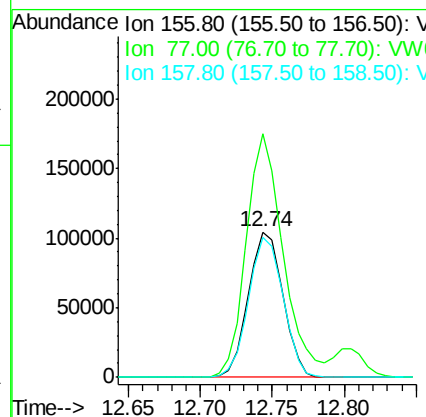
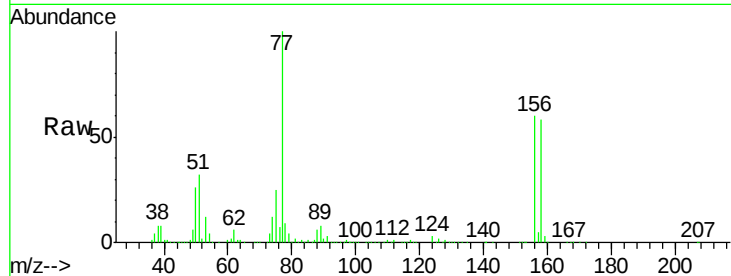
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.6	95.2	285.6
158	96.8	49.0	147.2

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#78

n-propylbenzene

Concen: 50.129 ug/l

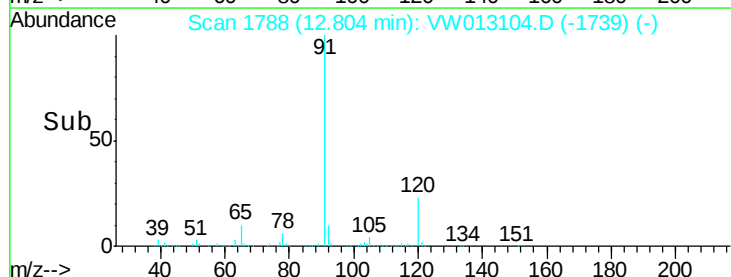
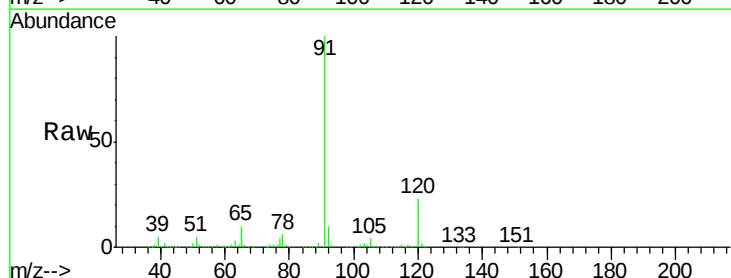
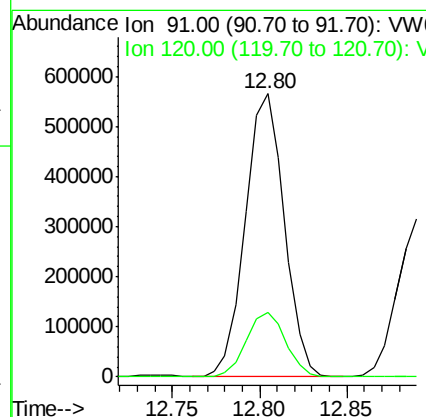
RT: 12.80 min Scan# 1788

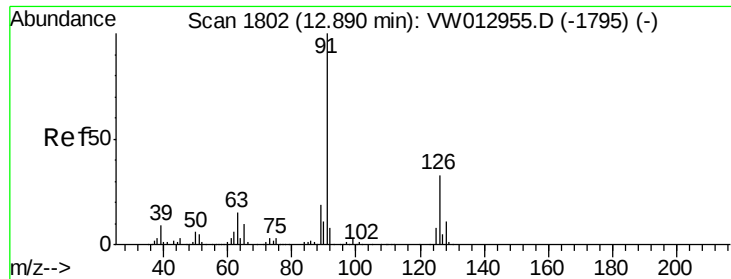
Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 49.061 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 490955

Ion Ratio Lower Upper

91 100

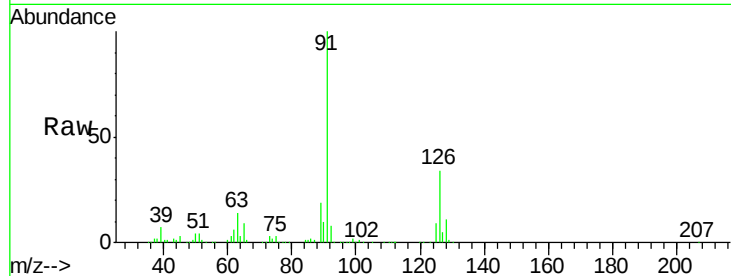
126 33.8 16.5 49.5

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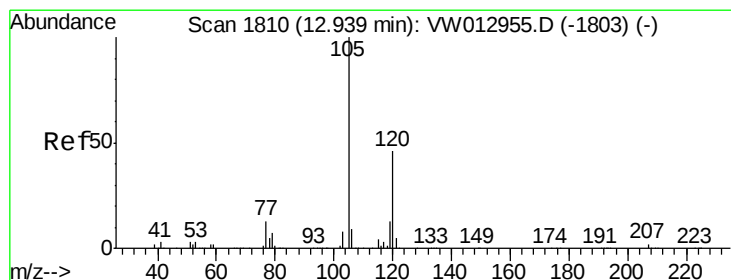
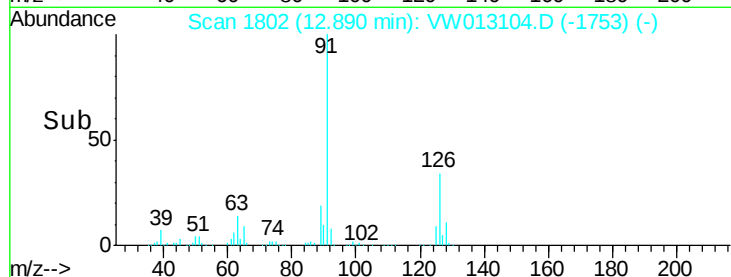
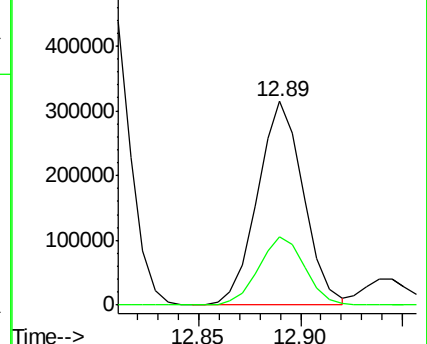
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.981 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013104.D

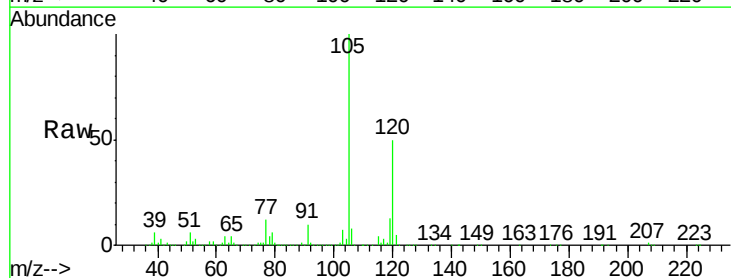
Acq: 18 Sep 2019 10:55

Tgt Ion:105 Resp: 625757

Ion Ratio Lower Upper

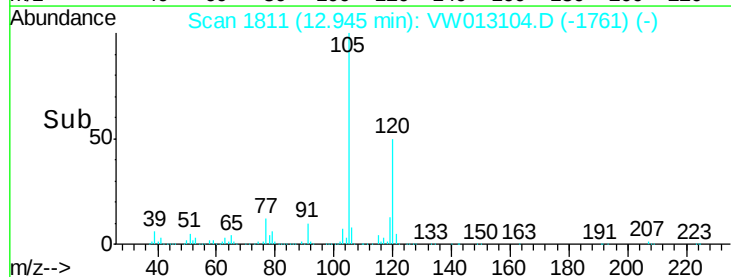
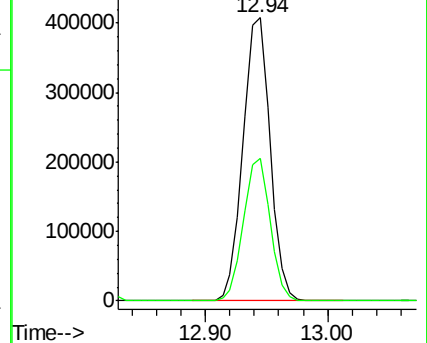
105 100

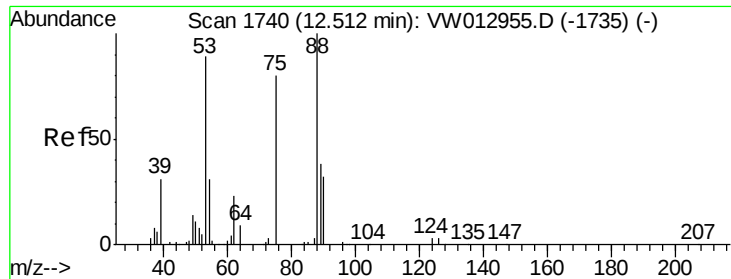
120 49.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





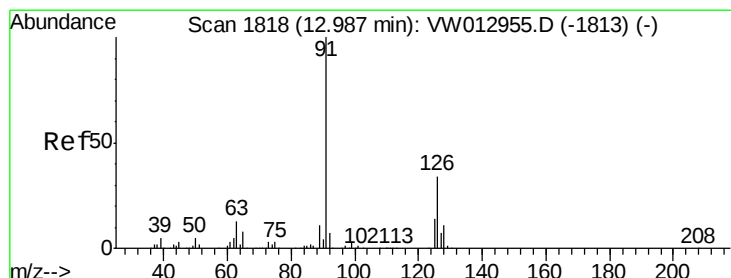
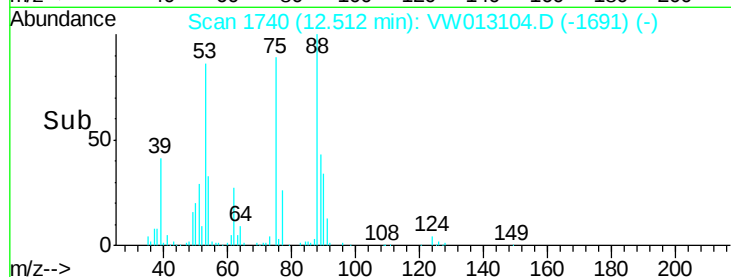
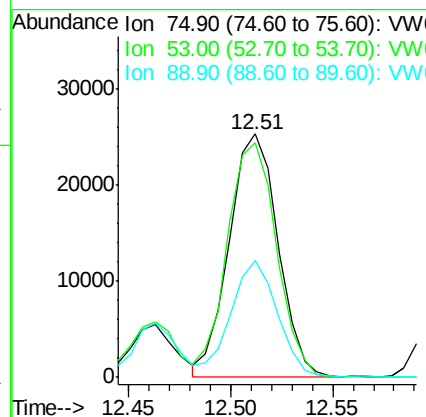
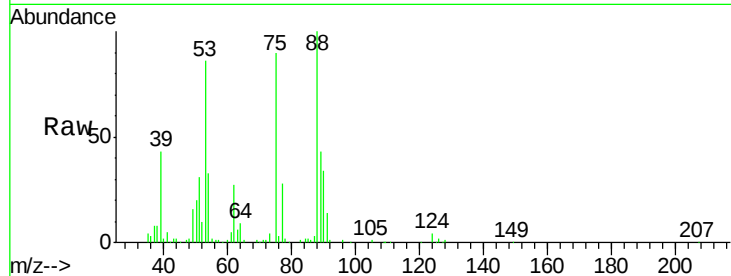
#81
trans-1,4-Dichloro-2-butene
Concen: 48.755 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	85.6	128.4
89	46.2	37.2	55.8

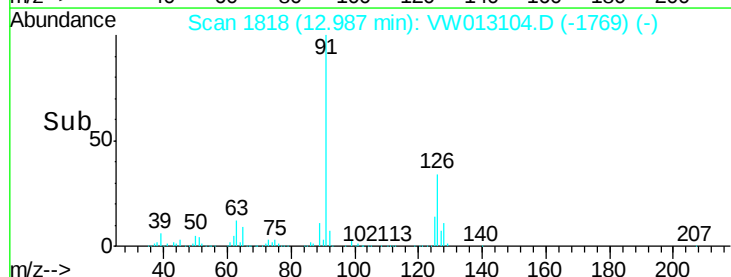
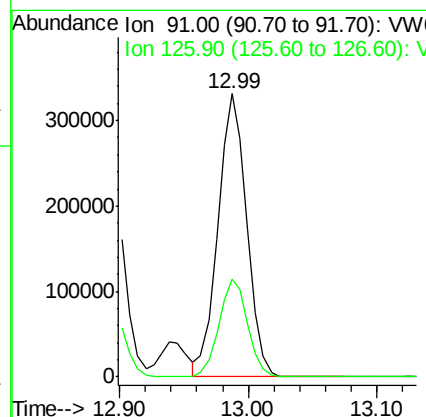
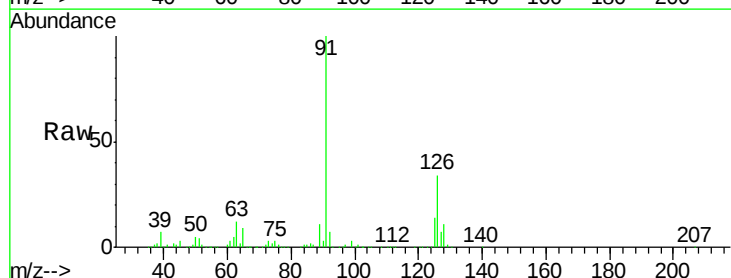
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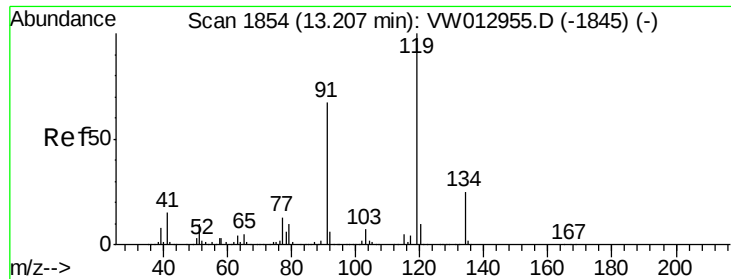
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#82
4-Chlorotoluene
Concen: 48.900 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.1	48.3





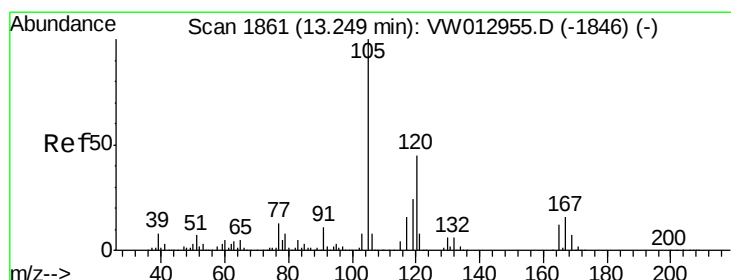
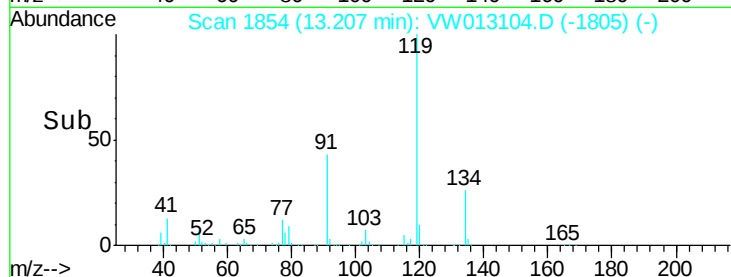
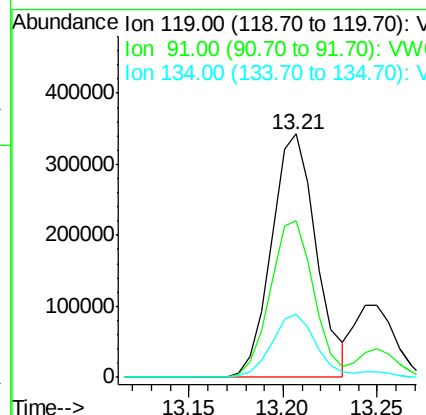
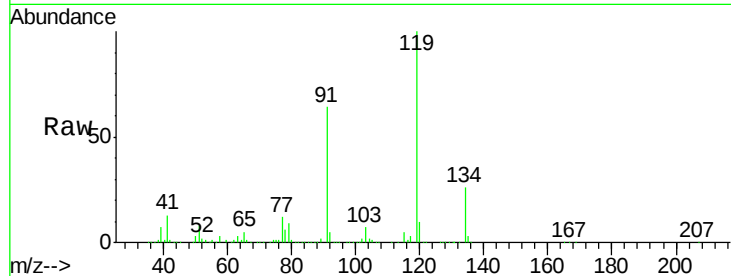
#83
tert-Butylbenzene
Concen: 50.351 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	563865		
91	62.7		32.6	98.0
134	25.5		12.4	37.4

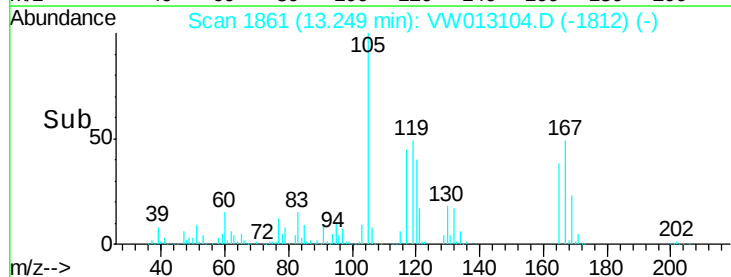
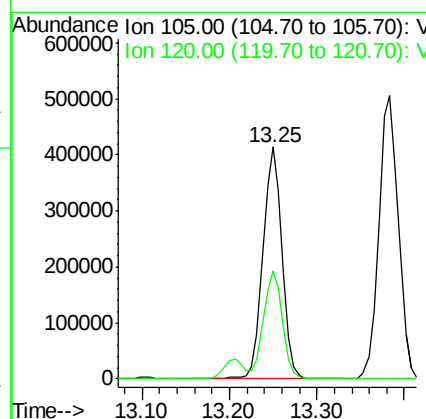
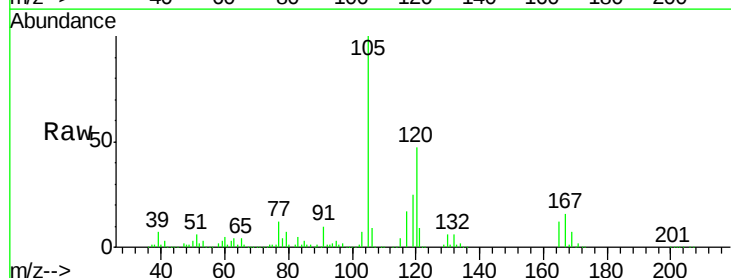
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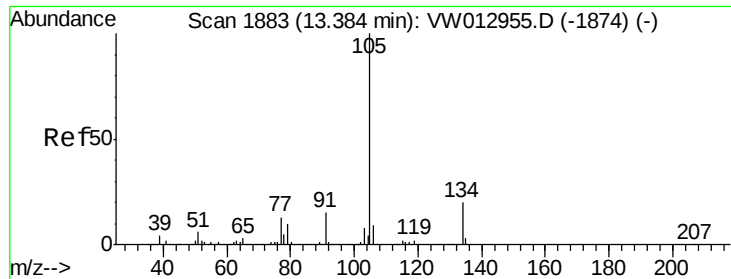
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#84
1,2,4-Trimethylbenzene
Concen: 50.334 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	622717		
120	45.6		21.9	65.7





#85

sec-Butylbenzene

Concen: 51.068 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 779172

Ion Ratio Lower Upper

105 100

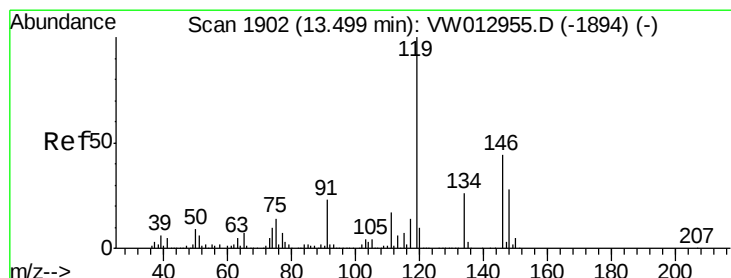
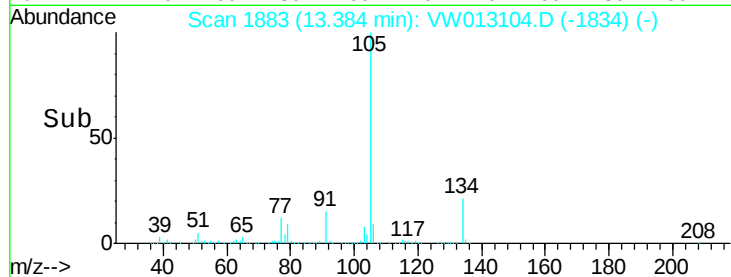
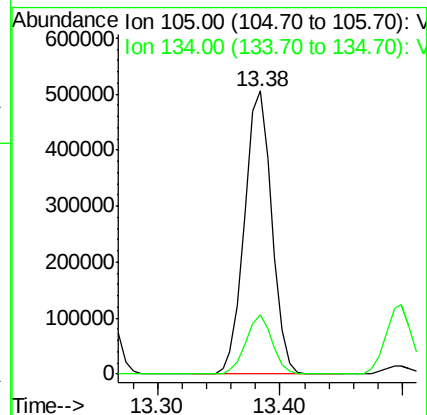
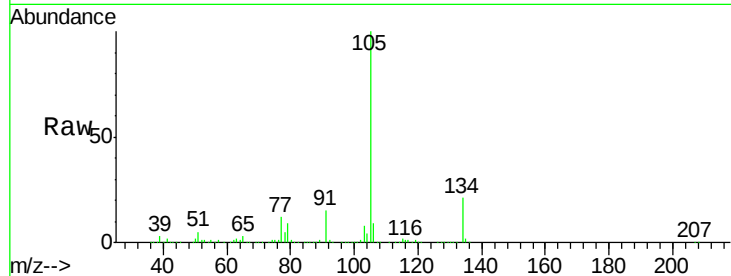
134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 50.680 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013104.D

Acq: 18 Sep 2019 10:55

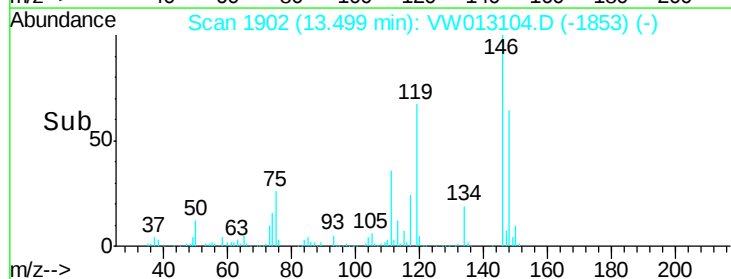
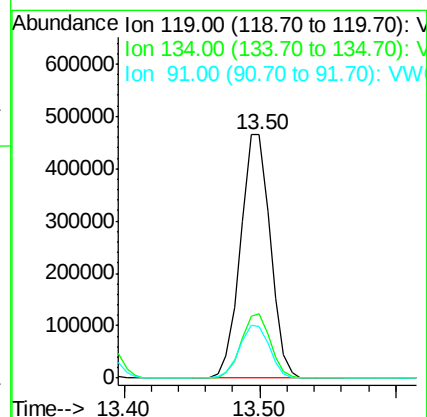
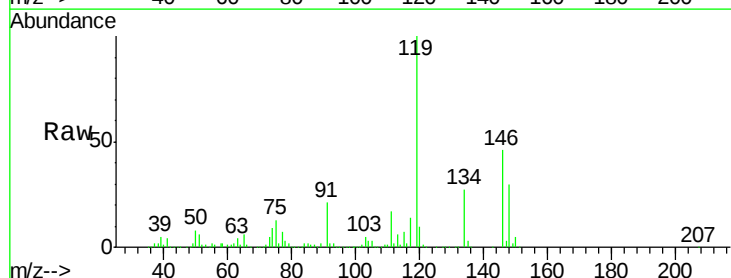
Tgt Ion:119 Resp: 709927

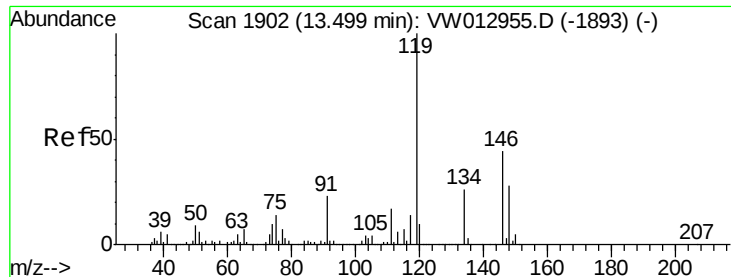
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 21.9 11.8 35.4





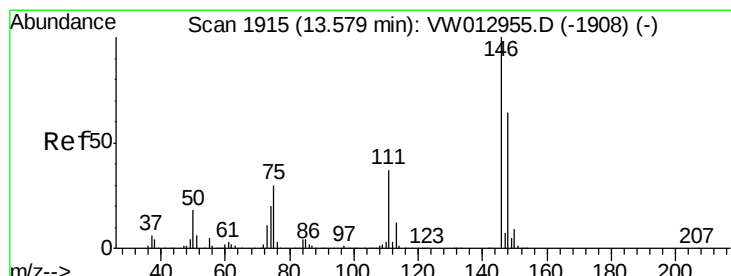
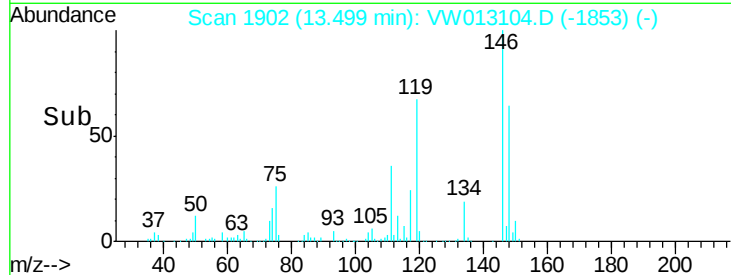
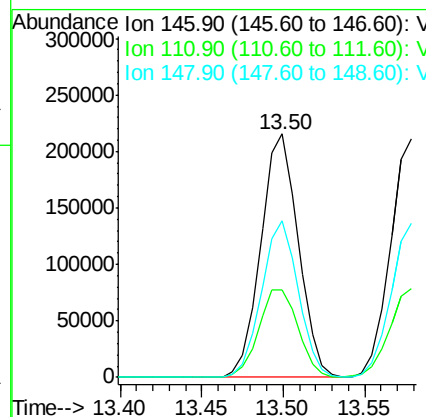
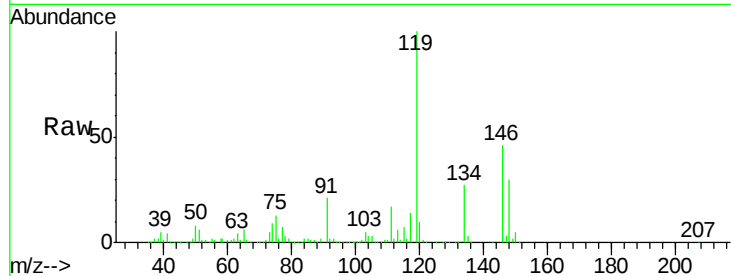
#87
 1,3-Dichlorobenzene
 Concen: 50.854 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	343216		
111	37.9	19.8	59.4	
148	63.0	31.9	95.7	

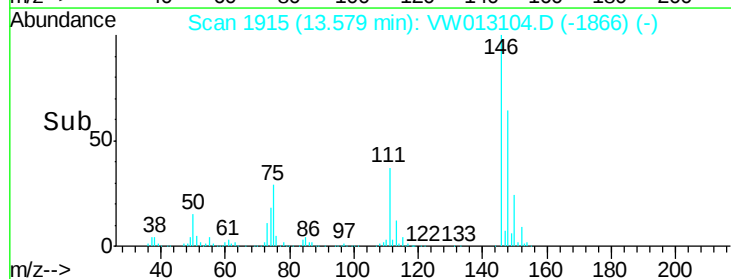
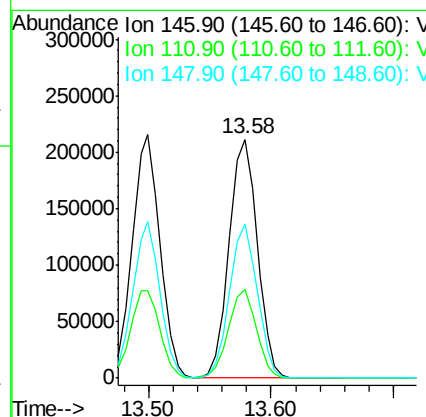
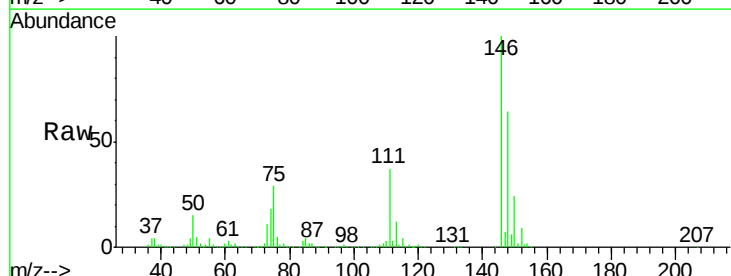
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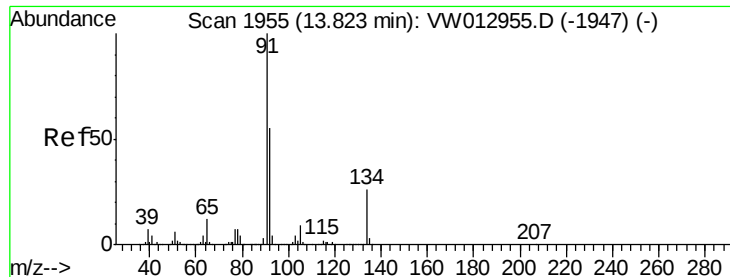
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#88
 1,4-Dichlorobenzene
 Concen: 51.012 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	338326		
111	36.9	19.4	58.2	
148	63.2	31.9	95.5	





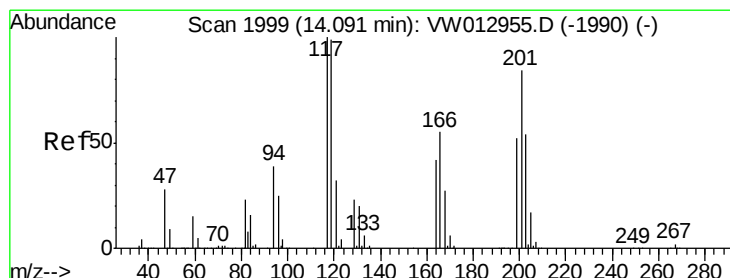
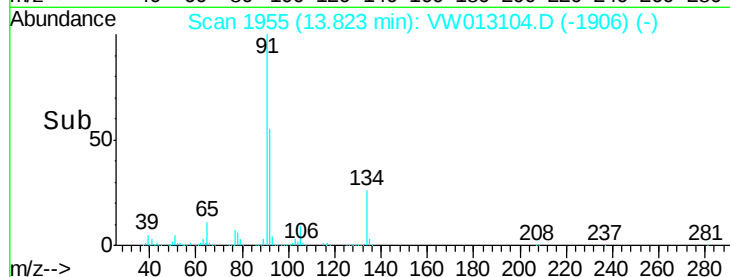
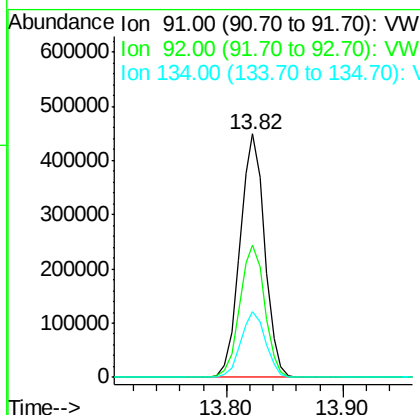
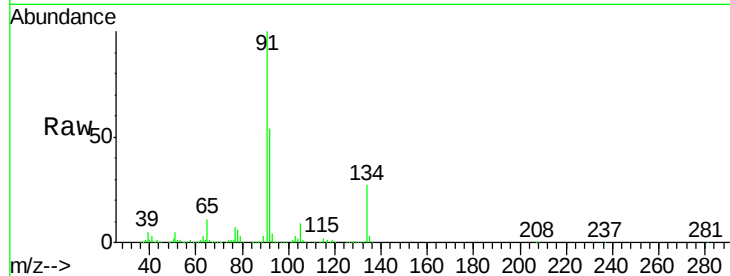
#89
n-Butylbenzene
Concen: 50.026 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.2	81.5
134	27.0	13.1	39.1

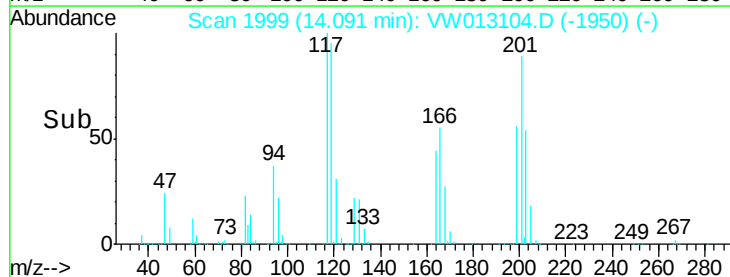
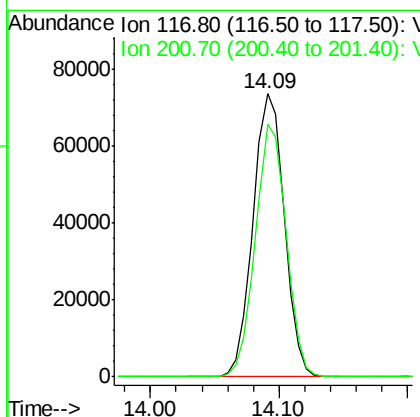
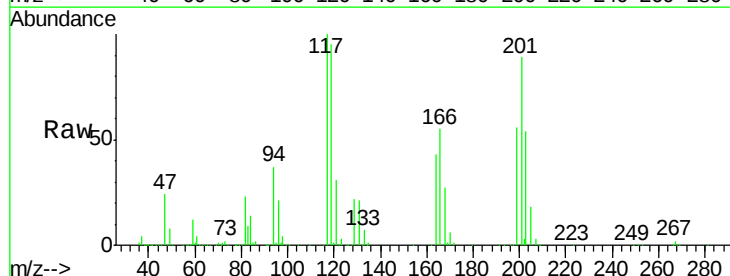
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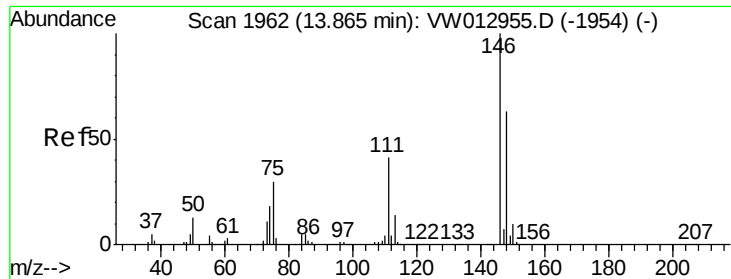
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#90
Hexachloroethane
Concen: 49.021 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	45.3	135.9





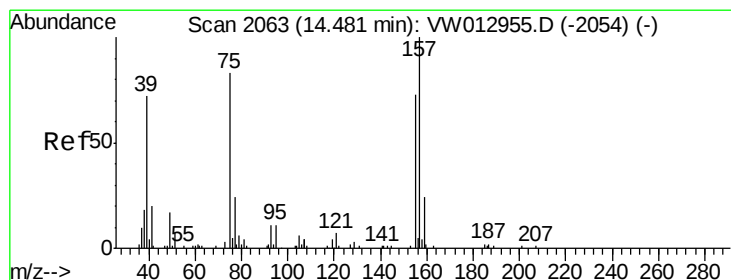
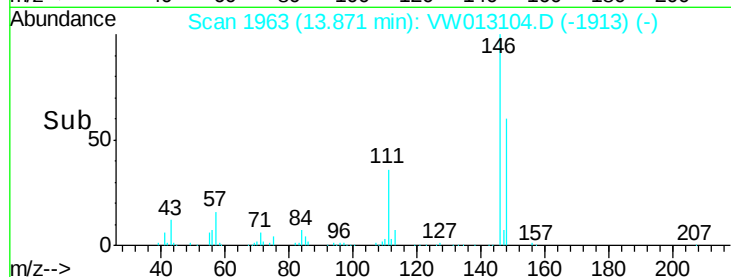
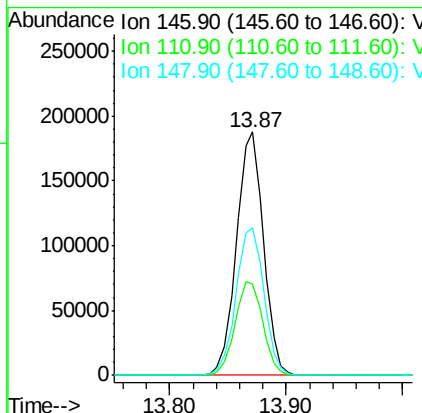
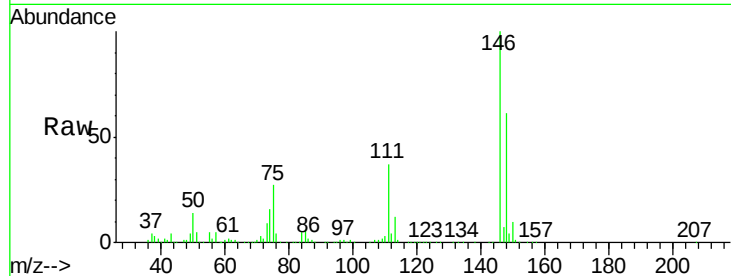
#91
 1,2-Dichlorobenzene
 Concen: 51.184 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.5
148	62.8	32.7	98.1

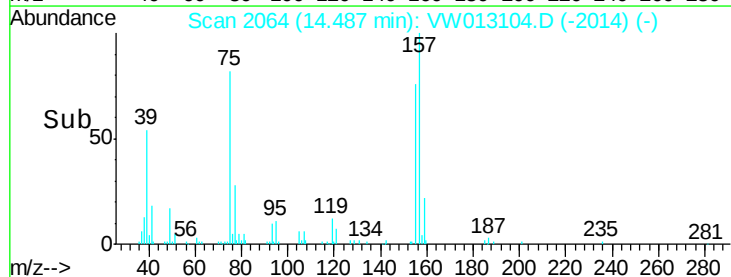
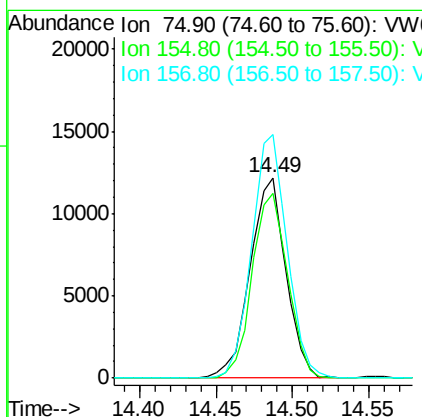
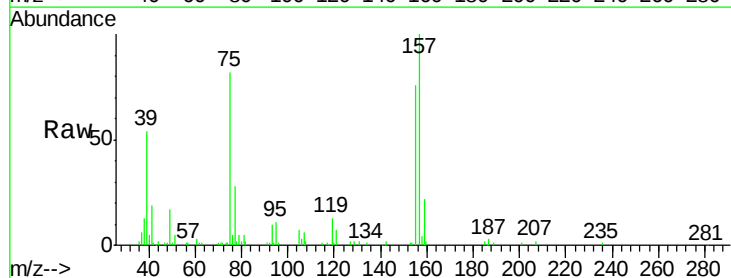
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.854 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	43.3	129.9
157	119.8	54.7	164.1





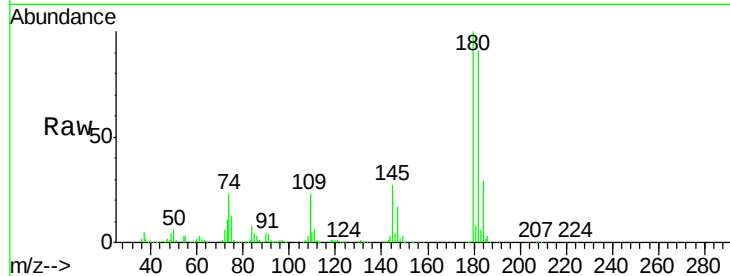
#93
 1,2,4-Trichlorobenzene
 Concen: 52.711 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

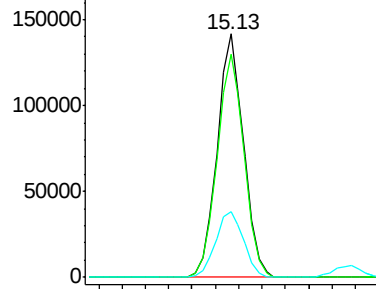
Tot Ion	Ratio	Resp	Lower	Upper
180	100	223111		
182	93.5	47.4	142.2	
145	28.7	14.9	44.7	

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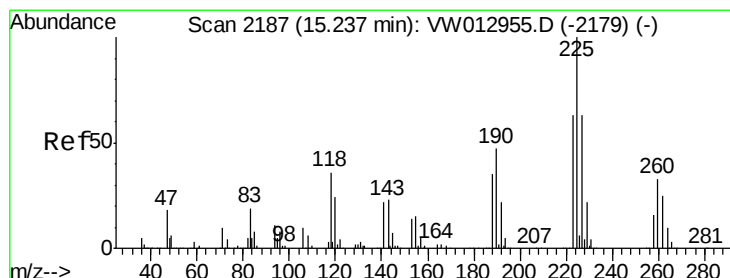
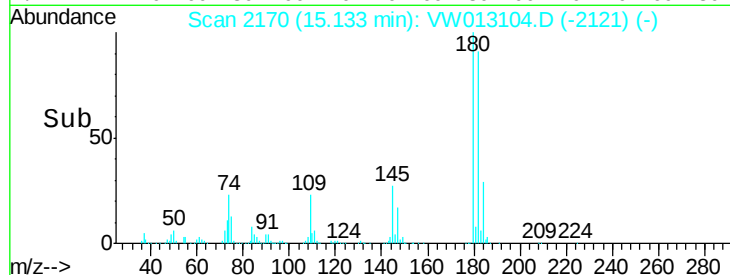
MMDadoda
 9/19/2019 11:22:06 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

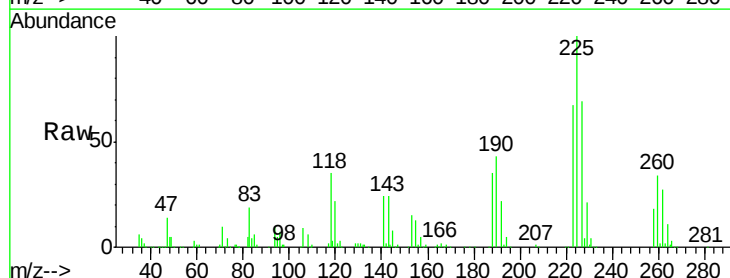


Time-->

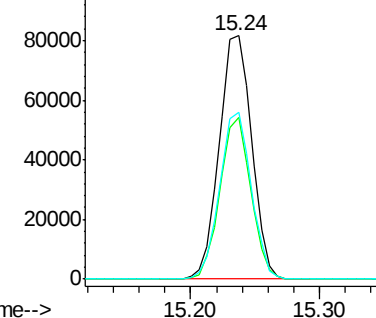


#94
 Hexachlorobutadiene
 Concen: 47.317 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013104.D
 Acq: 18 Sep 2019 10:55

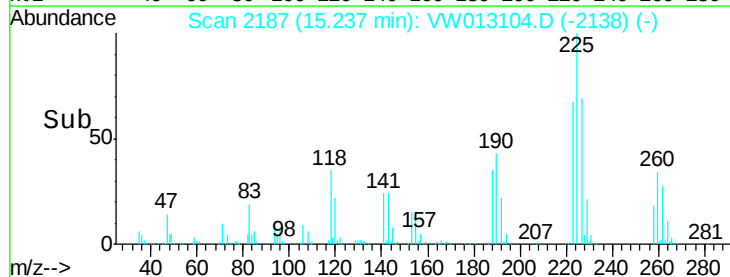
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141783		
223	63.0	31.8	95.3	
227	66.6	31.3	93.8	

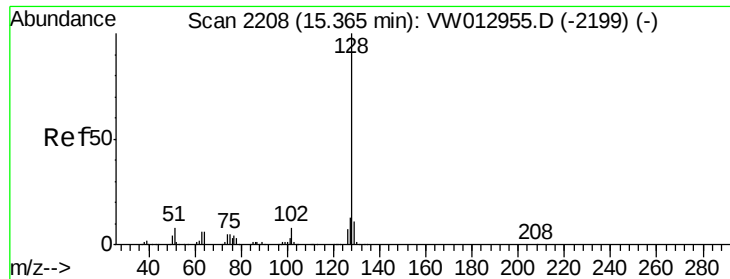


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





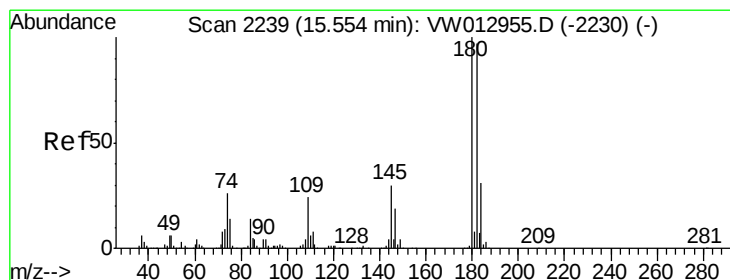
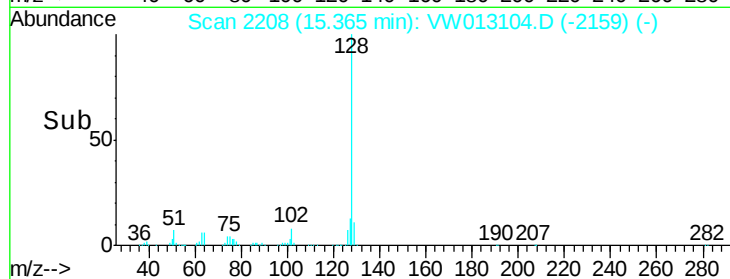
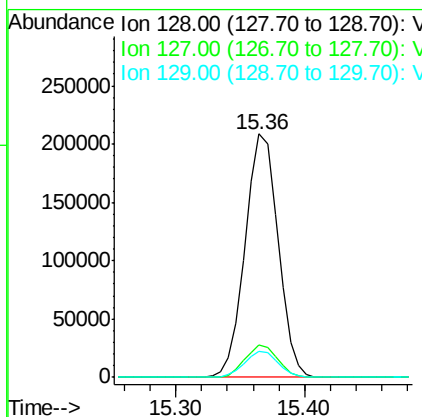
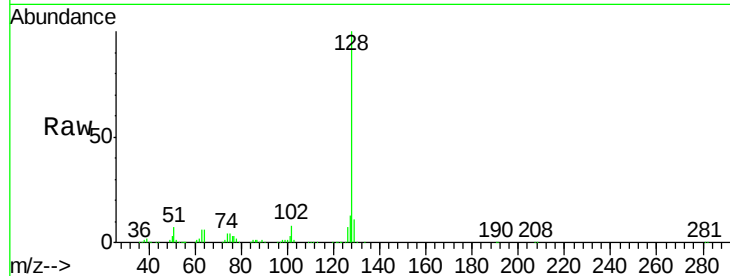
#95
Naphthalene
Concen: 52.180 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	369039
Ion Ratio	Lower	Upper	
128	100		
127	13.1	11.0	16.6
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.870 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013104.D
Acq: 18 Sep 2019 10:55

Tgt Ion:	180	Resp:	190337
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	30.2	15.4	46.2

