

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011349.D
 Acq On : 18 Jul 2019 23:22
 Operator : SY/VA
 Sample : VW0718SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:20 AM

Quant Time: Jul 19 08:04:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	110146	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.88	113	85009	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	10.32	98	335925	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.62	95	124858	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24597	18.318	ug/l	98
3) Chloromethane	2.21	50	36642	21.177	ug/l	98
4) Vinyl Chloride	2.35	62	41188	18.187	ug/l	96
5) Bromomethane	2.75	94	21123	18.562	ug/l	90
6) Chloroethane	2.90	64	22148	18.157	ug/l	99
7) Trichlorofluoromethane	3.23	101	11321	14.072	ug/l	97
8) Diethyl Ether	3.67	74	22636	20.335	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	34915	18.118	ug/l	98
10) Methyl Iodide	4.26	142	50166	18.927	ug/l	99
11) Tert butyl alcohol	5.17	59	23143	138.171	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	36453	18.225	ug/l	96
13) Acrolein	3.88	56	11052	82.864	ug/l	96
14) Allyl chloride	4.65	41	63643	17.449	ug/l	99
15) Acrylonitrile	5.36	53	62012	109.382	ug/l	99
16) Acetone	4.12	43	60817	111.725	ug/l	99
17) Carbon Disulfide	4.37	76	99594	16.425	ug/l	98
18) Methyl Acetate	4.66	43	45044	28.491	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	64244	21.169	ug/l	98
20) Methylene Chloride	4.91	84	54015	25.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	40739	19.602	ug/l	98
22) Diisopropyl ether	6.31	45	162280	20.687	ug/l	99
23) Vinyl Acetate	6.24	43	467175	96.229	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82453	20.016	ug/l	99
25) 2-Butanone	7.17	43	100186	117.249	ug/l	98
26) 2,2-Dichloropropane	7.16	77	40607	18.964	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	45811	20.434	ug/l	98
28) Bromochloromethane	7.51	49	41431	22.119	ug/l	100
29) Tetrahydrofuran	7.52	42	63248	112.885	ug/l	99
30) Chloroform	7.67	83	76746	20.117	ug/l	99
31) Cyclohexane	7.95	56	77157	17.606	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	53544	18.451	ug/l	98
36) 1,1-Dichloropropene	8.08	75	59044	17.865	ug/l	100
37) Ethyl Acetate	7.25	43	42480	21.392	ug/l	99
38) Carbon Tetrachloride	8.06	117	48258	17.224	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	67433	16.833	ug/l	97
40) Benzene	8.32	78	176455	19.319	ug/l	100
41) Methacrylonitrile	7.48	41	22716	20.001	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58724	19.819	ug/l	99
43) Isopropyl Acetate	8.42	43	76849	20.498	ug/l	99
44) Trichloroethene	9.09	130	41196	18.743	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48455	19.590	ug/l	98
46) Dibromomethane	9.46	93	23335	20.084	ug/l	99
47) Bromodichloromethane	9.64	83	56358	18.957	ug/l	99
48) Methyl methacrylate	9.43	41	35926	19.918	ug/l	96
49) 1,4-Dioxane	9.45	88	8146	420.027	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	213881	109.210	ug/l	99
52) Toluene	10.38	92	105280	19.001	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	56012	17.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	67632	18.158	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33873	20.550	ug/l	97
56) Ethyl methacrylate	10.65	69	50701	20.203	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63665	20.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	107431	92.340	ug/l	99
59) 2-Hexanone	10.97	43	142510	104.928	ug/l	100
60) Dibromochloromethane	11.13	129	34467	19.069	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31041	19.881	ug/l	98
64) Tetrachloroethene	10.86	164	37750	19.817	ug/l	98
65) Chlorobenzene	11.66	112	108394	18.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37595	18.604	ug/l	99
67) Ethyl Benzene	11.73	91	202121	18.396	ug/l	100
68) m/p-Xylenes	11.84	106	145509	36.600	ug/l	99
69) o-Xylene	12.16	106	67897	18.120	ug/l	95
70) Styrene	12.18	104	123440	19.088	ug/l	100
71) Bromoform	12.35	173	19453	18.105	ug/l #	98
73) Isopropylbenzene	12.46	105	186692	17.926	ug/l	100
74) N-amyl acetate	12.27	43	70365	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42422	19.871	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30396m	18.880	ug/l	
77) Bromobenzene	12.74	156	44371	18.985	ug/l	99
78) n-propylbenzene	12.80	91	230811	17.991	ug/l	100
79) 2-Chlorotoluene	12.89	91	135733	18.386	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	161603	18.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11072	15.555	ug/l	94
82) 4-Chlorotoluene	12.99	91	144525	18.795	ug/l	99
83) tert-Butylbenzene	13.21	119	131743	17.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	165310	18.607	ug/l	98
85) sec-Butylbenzene	13.38	105	188948	17.746	ug/l	100
86) p-Isopropyltoluene	13.50	119	172344	18.047	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86103	19.148	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	85846	18.958	ug/l	98
89) n-Butylbenzene	13.82	91	168392	17.676	ug/l	99
90) Hexachloroethane	14.10	117	28922	16.573	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	77995	19.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7124	18.813	ug/l	98

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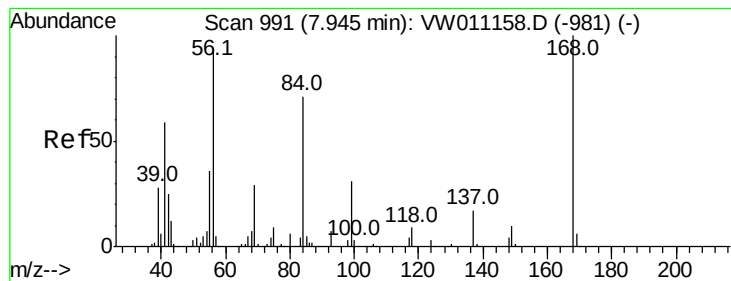
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	54782	19.496	ug/l	97
94) Hexachlorobutadiene	15.24	225	31746	18.402	ug/l	99
95) Naphthalene	15.37	128	105785	19.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48707	19.641	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion:168 Resp: 180045

Ion Ratio Lower Upper

168 100

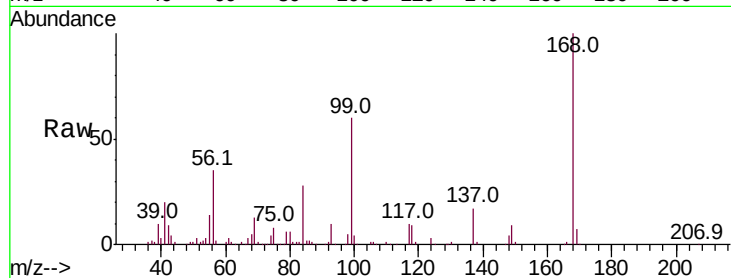
99 60.1 50.1 75.1

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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

80000

60000

40000

20000

0

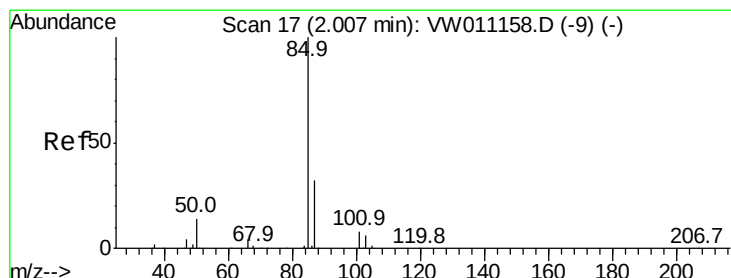
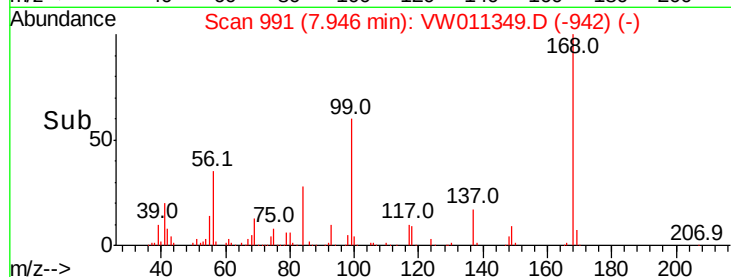
Time-->

7.80

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 18.318 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011349.D

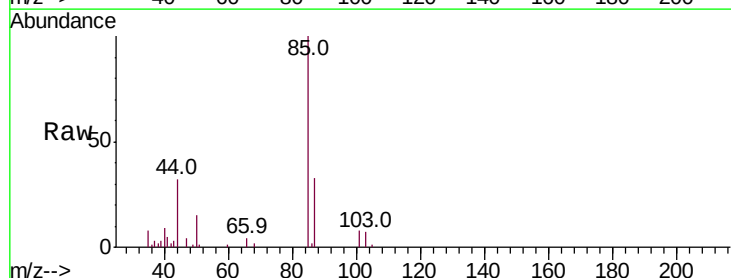
Acq: 18 Jul 2019 23:22

Tgt Ion: 85 Resp: 24597

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

4000

2000

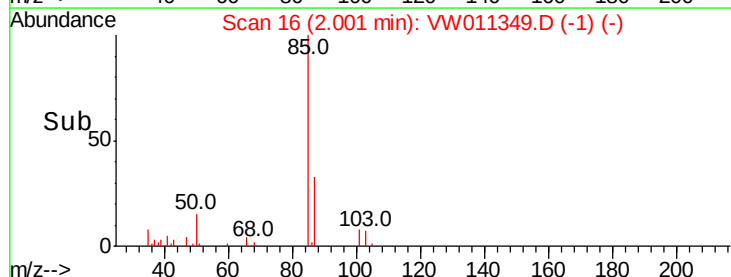
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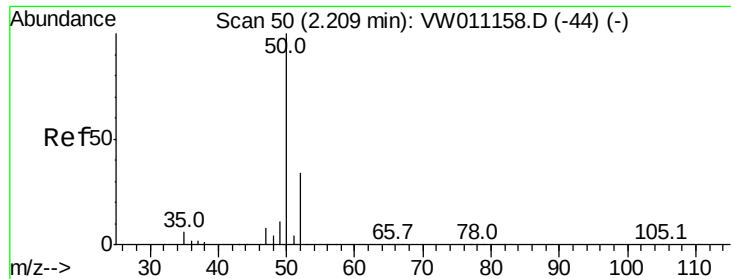
Time-->

1.90

2.00

2.10





#3

Chloromethane

Concen: 21.177 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 50 Resp: 36642

Ion Ratio Lower Upper

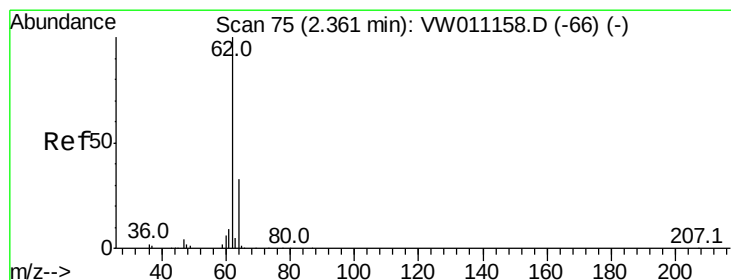
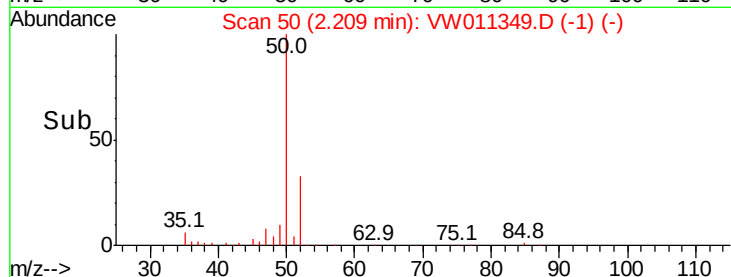
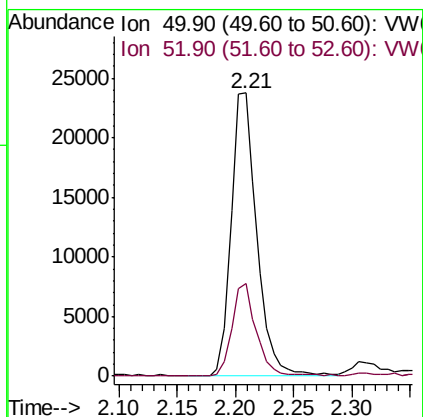
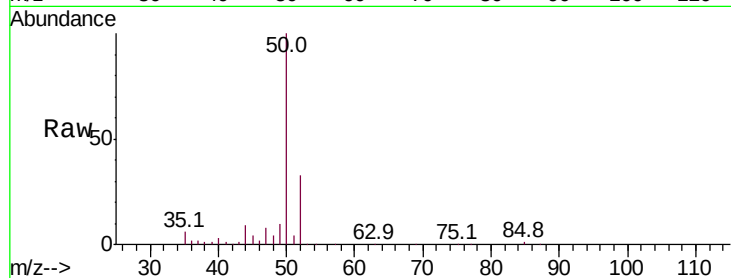
50 100

52 32.6 26.9 40.3

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#4

Vinyl Chloride

Concen: 18.187 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW011349.D

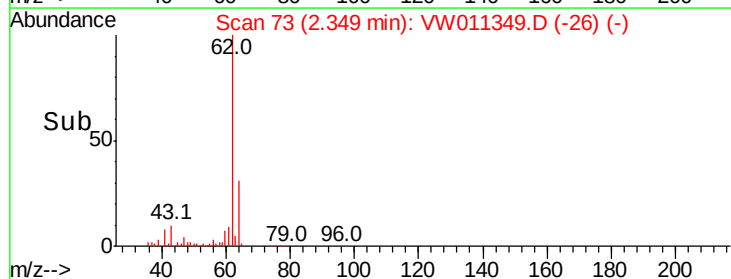
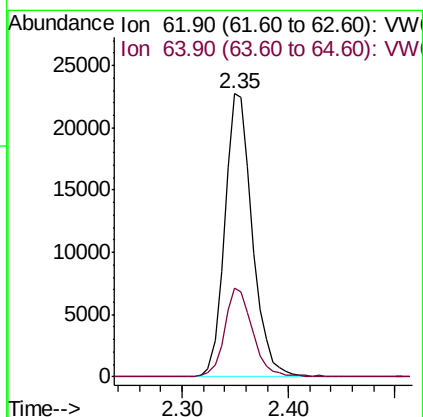
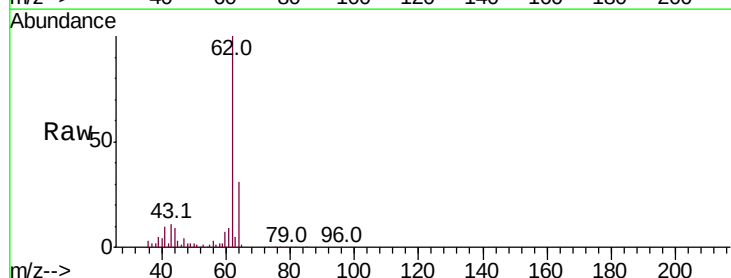
Acq: 18 Jul 2019 23:22

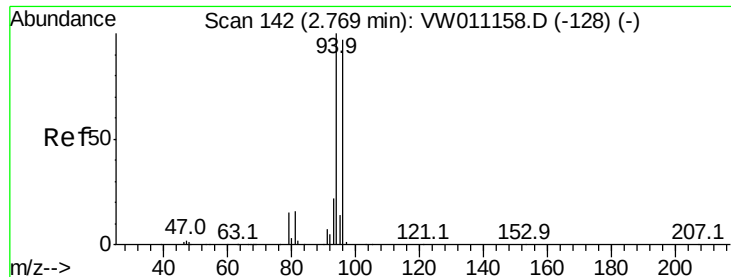
Tgt Ion: 62 Resp: 41188

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 18.562 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 94 Resp: 21123

Ion Ratio Lower Upper

94 100

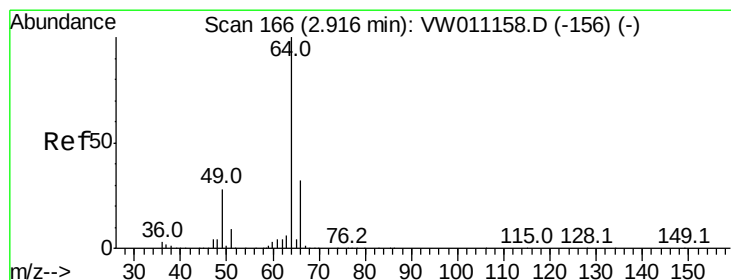
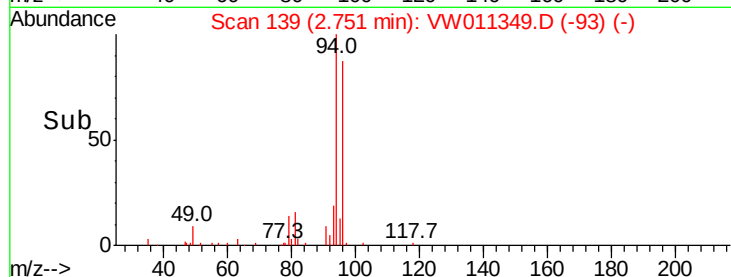
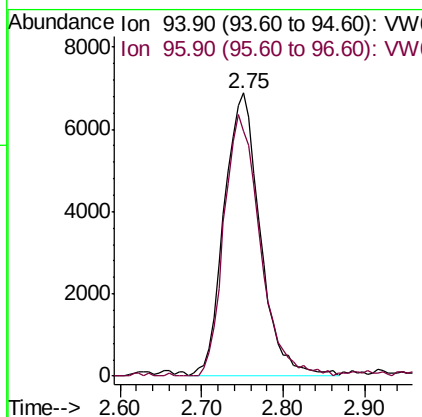
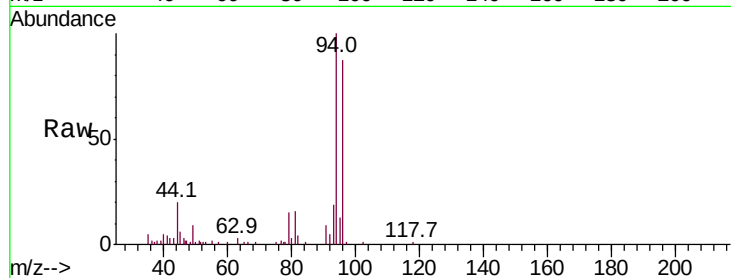
96 86.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 18.157 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011349.D

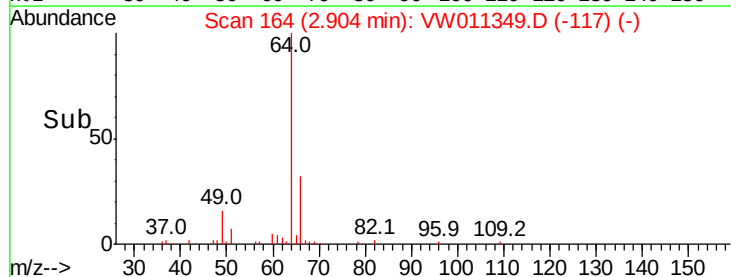
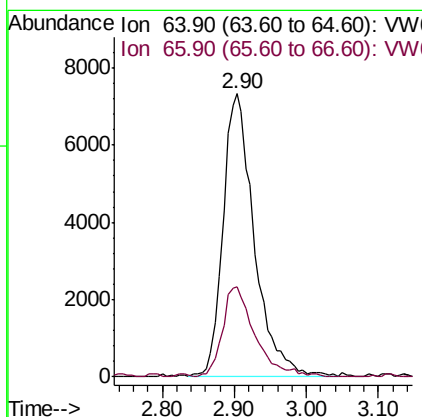
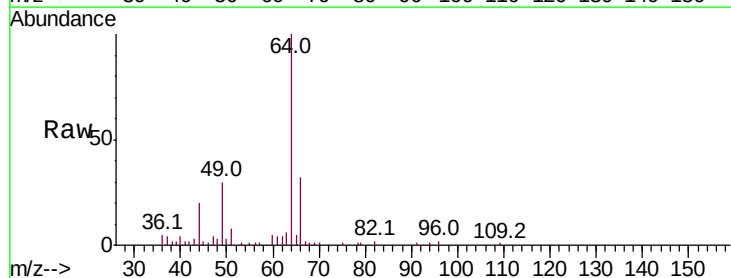
Acq: 18 Jul 2019 23:22

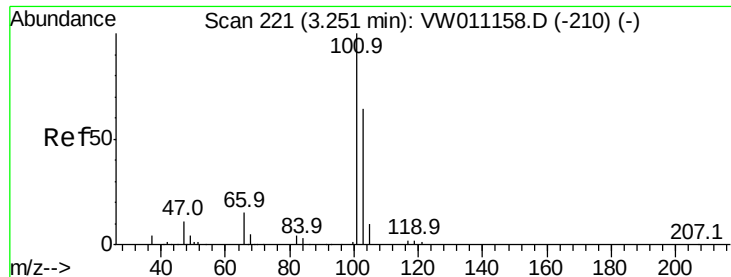
Tgt Ion: 64 Resp: 22148

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8





#7

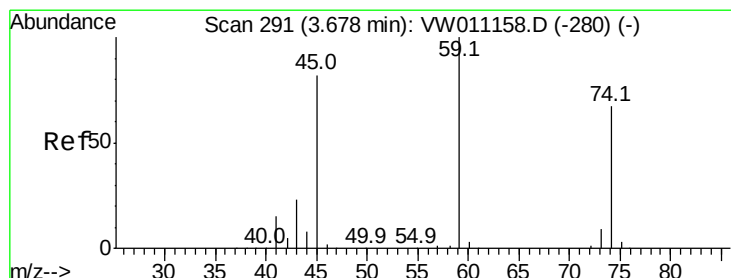
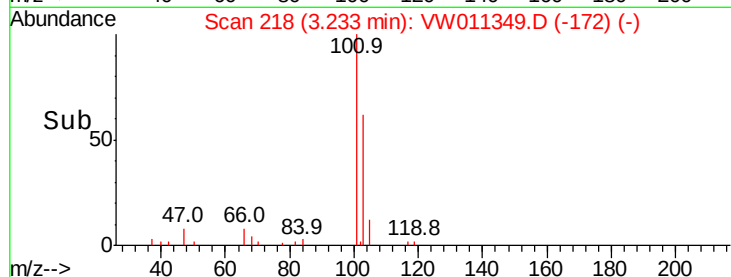
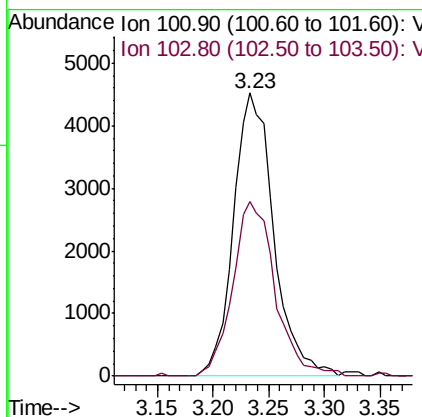
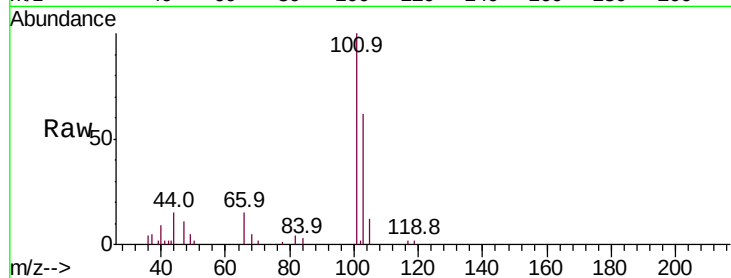
Trichlorofluoromethane
Concen: 14.072 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
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ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.3	76.9

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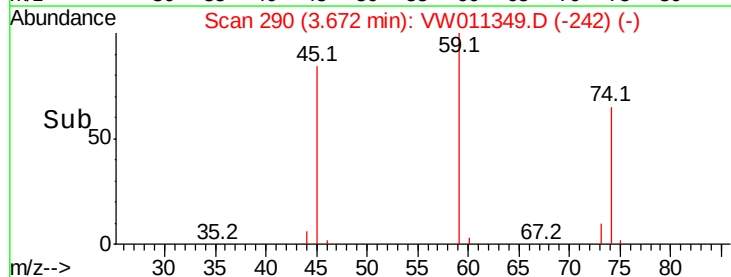
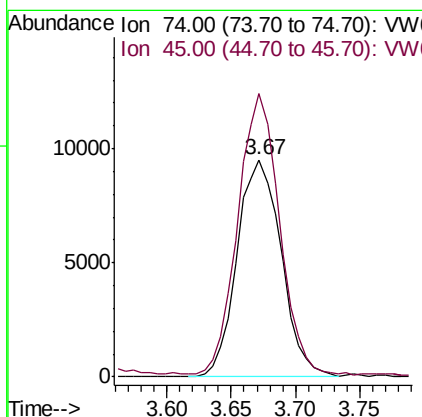
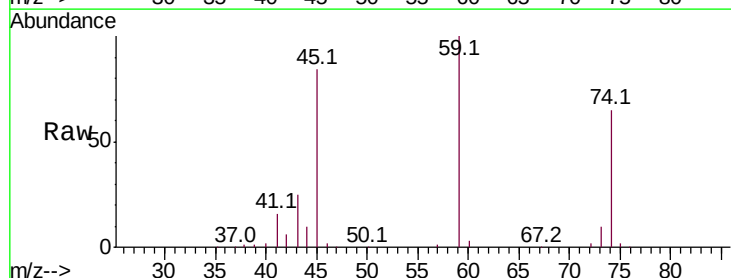
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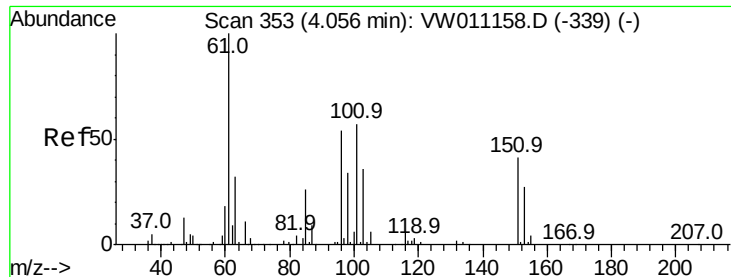


#8

Diethyl Ether
Concen: 20.335 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.8	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.118 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

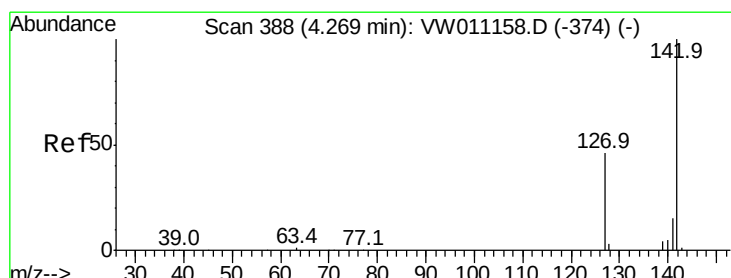
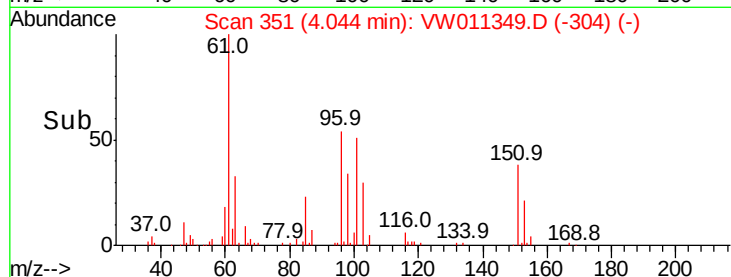
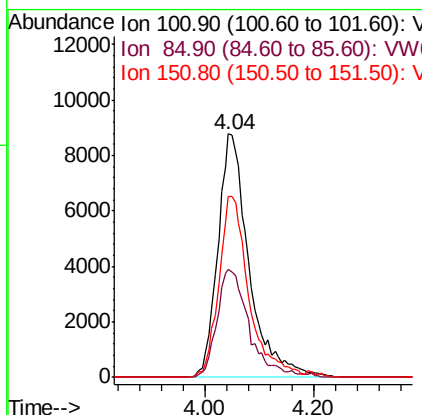
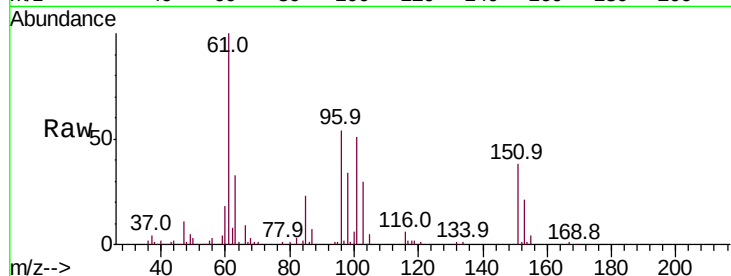
ClientSampleId :

VW0718SBS02

Tot Ion:	101	Resp:	34915
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.5	54.7
151	71.8	59.1	88.7

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#10

Methyl Iodide

Concen: 18.927 ug/l

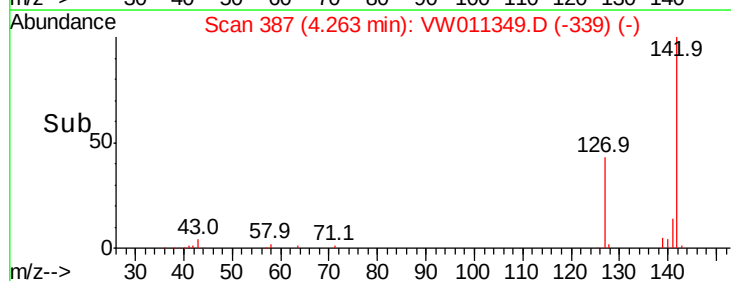
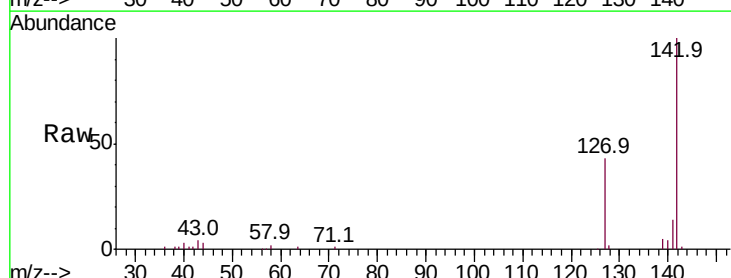
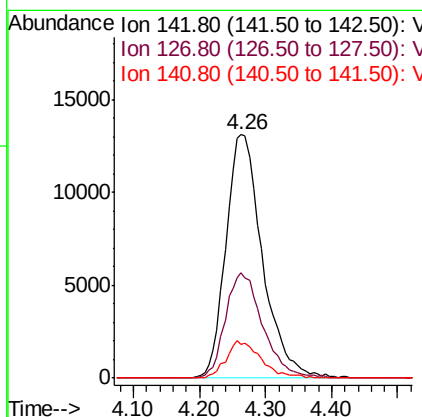
RT: 4.26 min Scan# 387

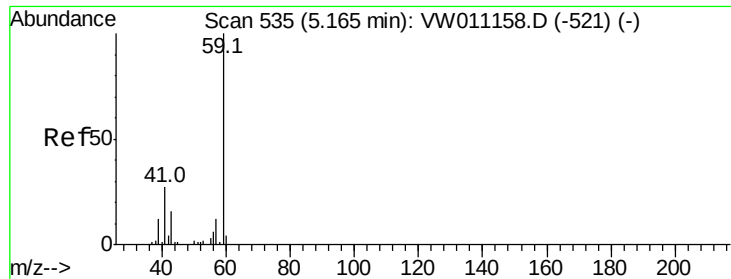
Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion:	142	Resp:	50166
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.7	53.5
141	14.6	11.5	17.3





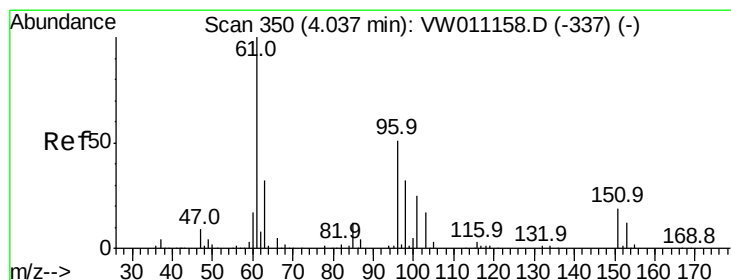
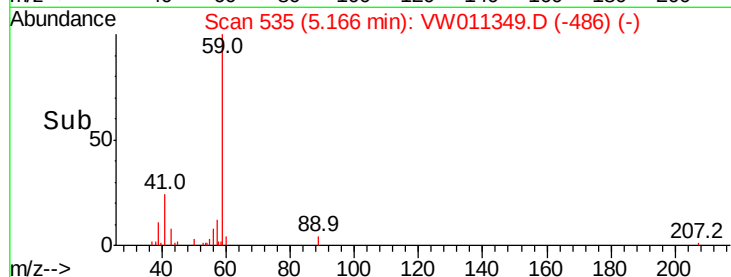
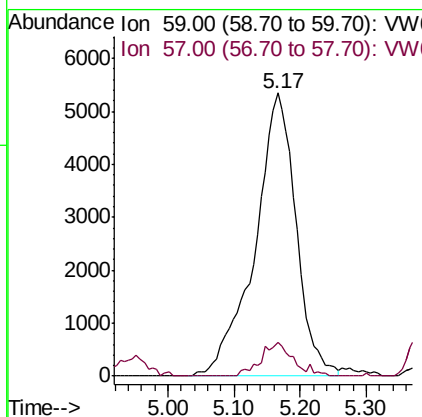
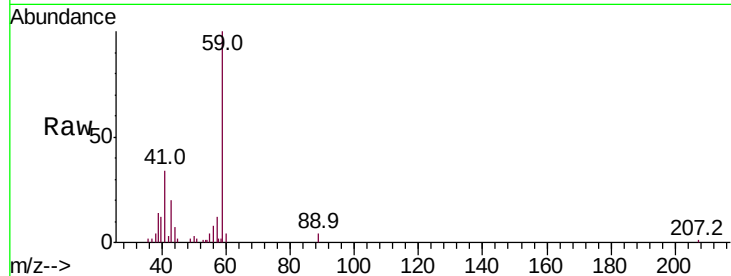
#11
Tert butyl alcohol
Concen: 138.171 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 59 Resp: 23143
Ion Ratio Lower Upper
59 100
57 8.6 9.0 13.6#

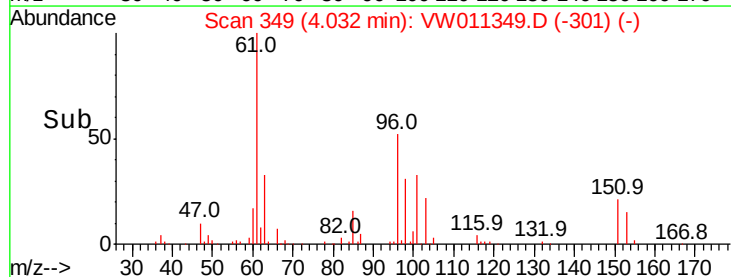
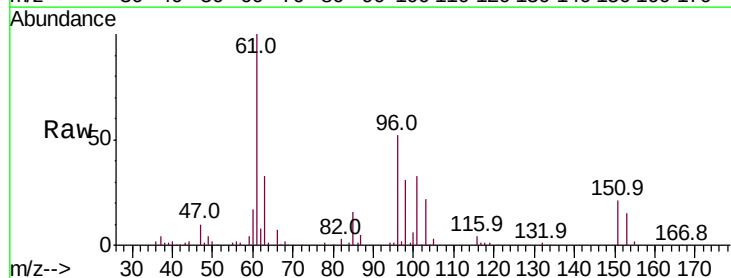
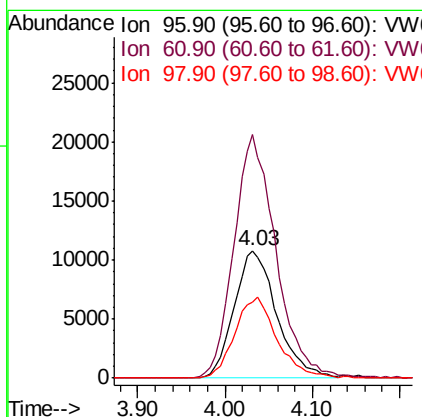
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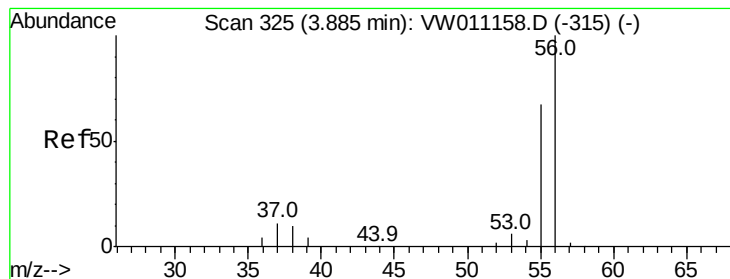
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#12
1,1-Dichloroethene
Concen: 18.225 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 96 Resp: 36453
Ion Ratio Lower Upper
96 100
61 191.0 157.7 236.5
98 59.6 50.9 76.3





#13

Acrolein

Concen: 82.864 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 56 Resp: 11052

Ion Ratio Lower Upper

56 100

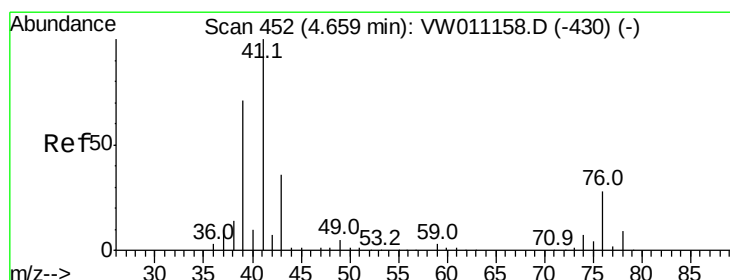
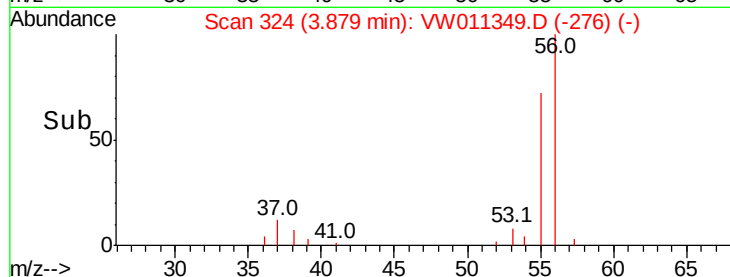
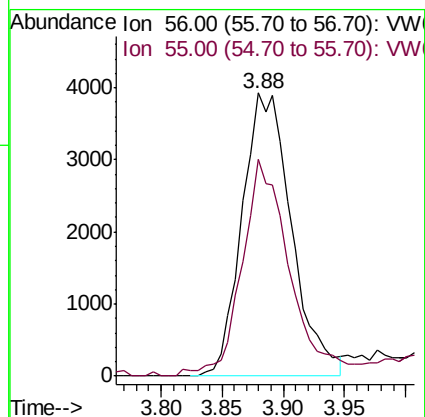
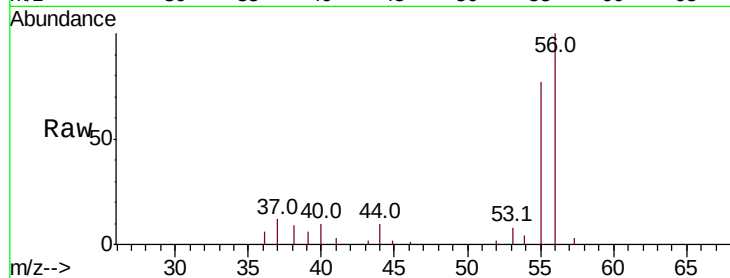
55 73.9 56.4 84.6

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#14

Allyl chloride

Concen: 17.449 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

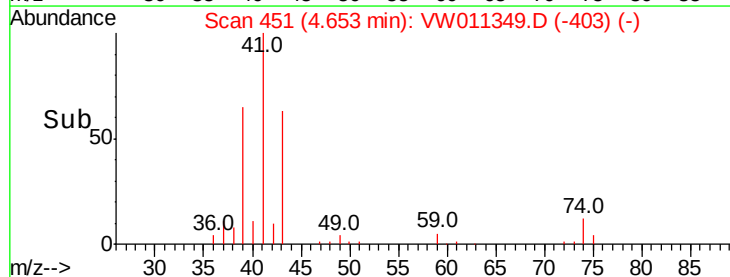
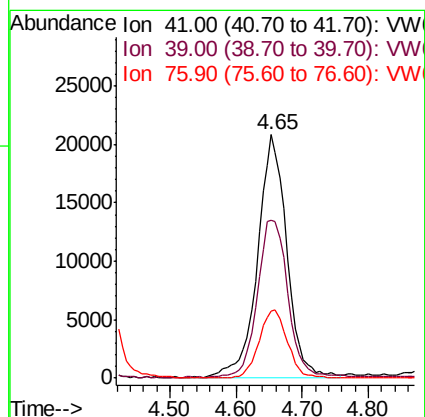
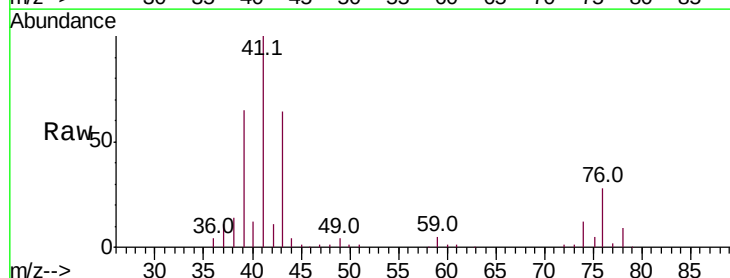
Tgt Ion: 41 Resp: 63643

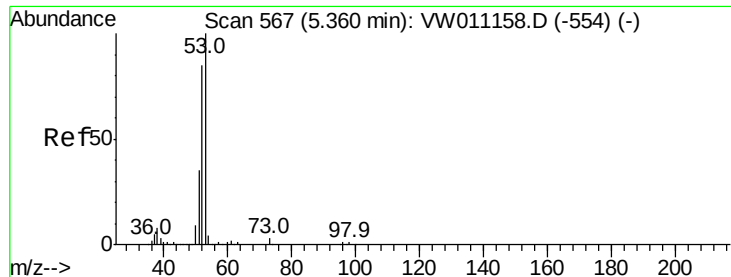
Ion Ratio Lower Upper

41 100

39 69.5 55.1 82.7

76 27.4 22.5 33.7





#15

Acrylonitrile

Concen: 109.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

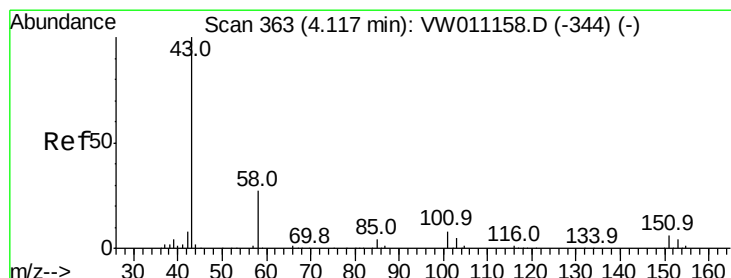
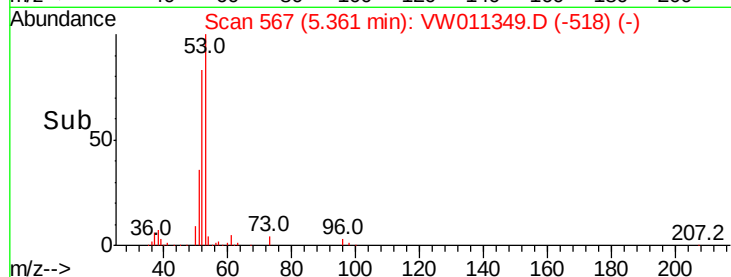
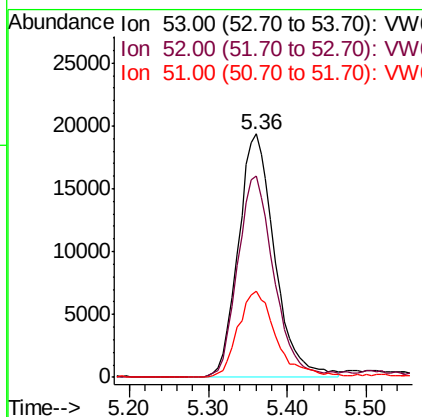
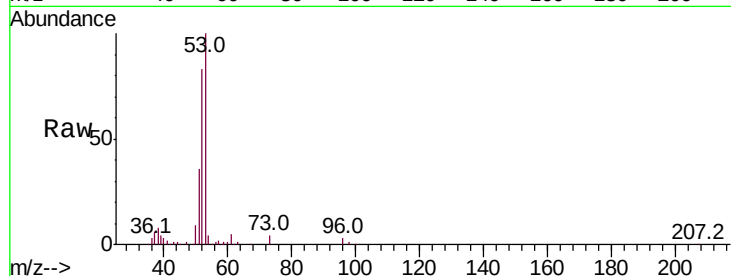
ClientSampleId :

VW0718SBS02

Tot Ion	53	Resp:	62012
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.4
51	37.3	29.1	43.7

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#16

Acetone

Concen: 111.725 ug/l

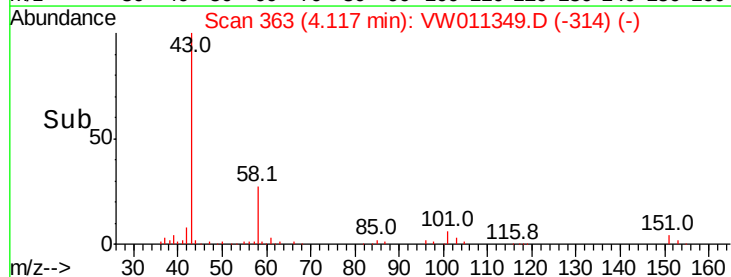
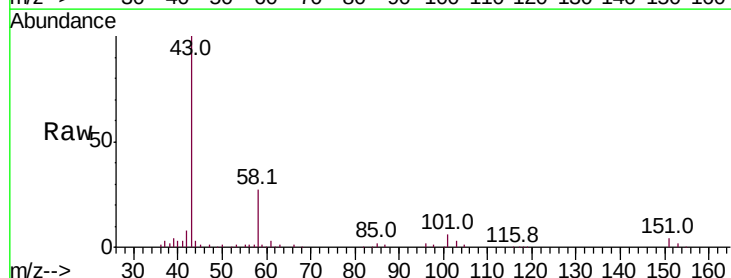
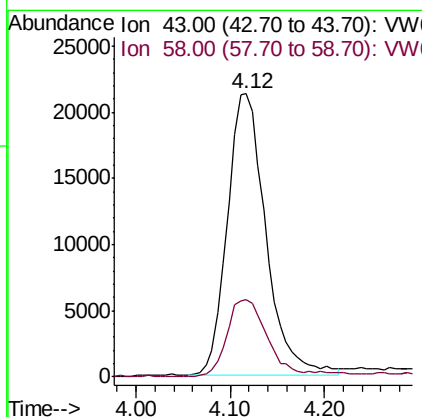
RT: 4.12 min Scan# 363

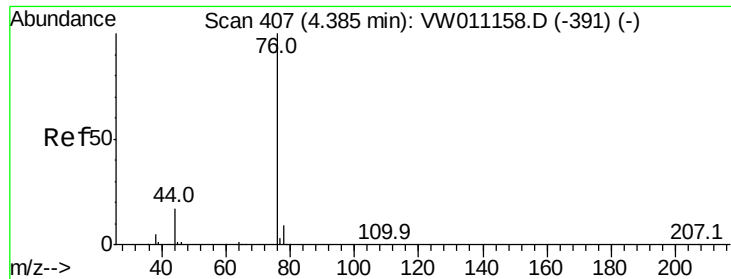
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion	43	Resp:	60817
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.8	32.6





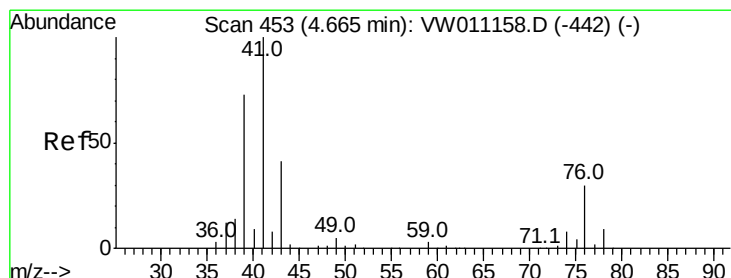
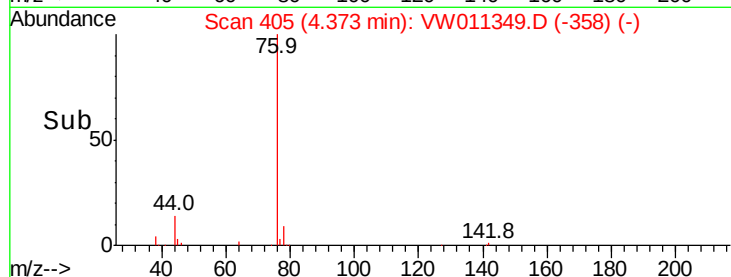
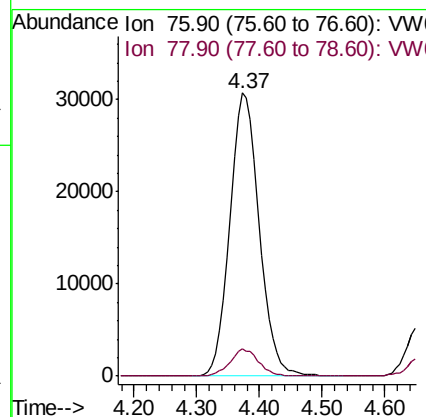
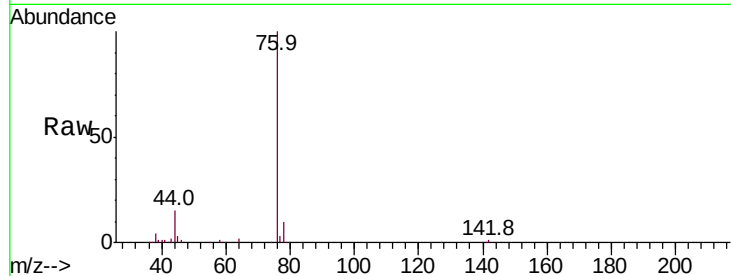
#17
Carbon Disulfide
Concen: 16.425 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 76 Resp: 99594
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

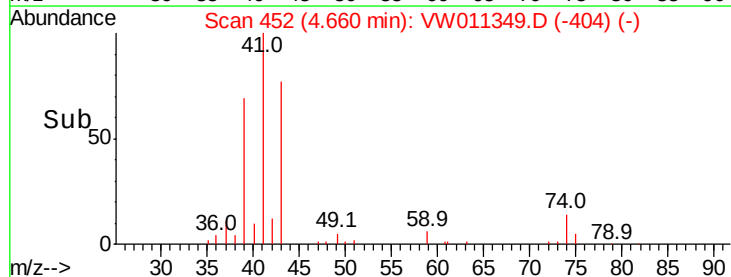
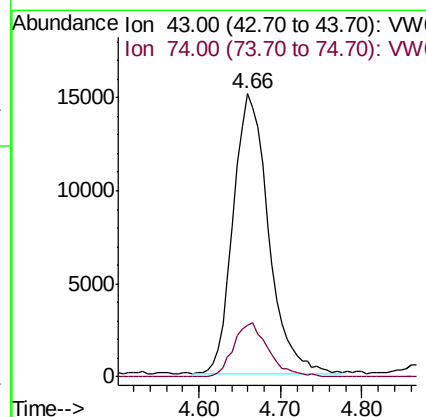
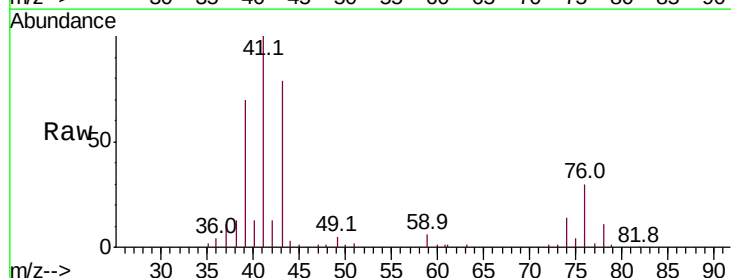
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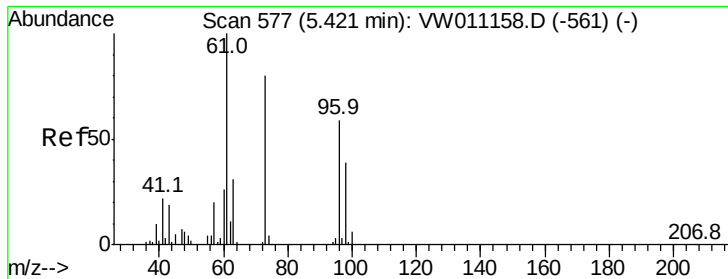
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#18
Methyl Acetate
Concen: 28.491 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 43 Resp: 45044
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5





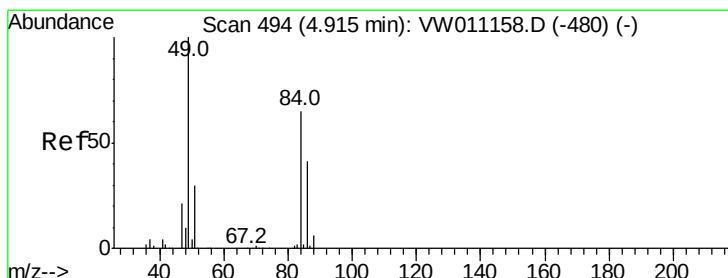
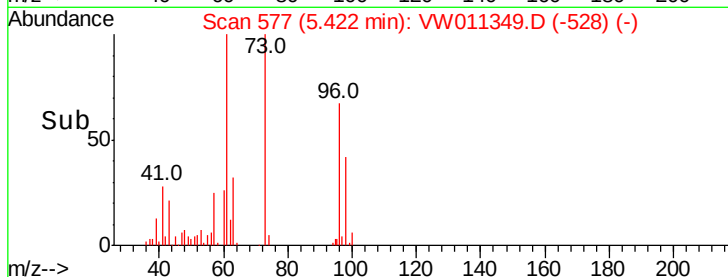
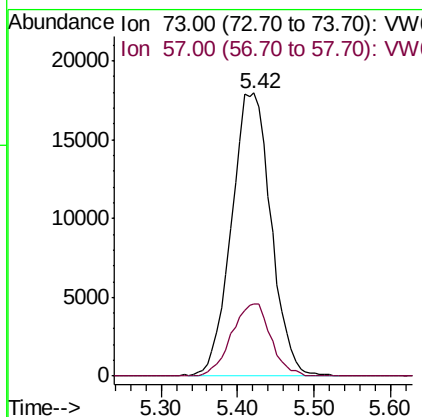
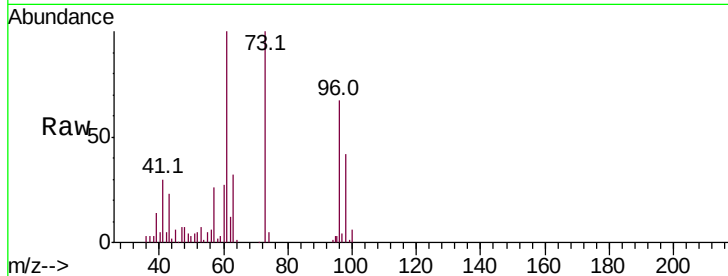
#19
Methyl tert-butyl Ether
Concen: 21.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 73 Resp: 64244
Ion Ratio Lower Upper
73 100
57 25.7 19.7 29.5

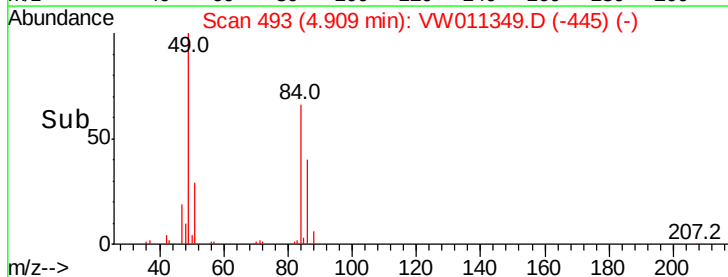
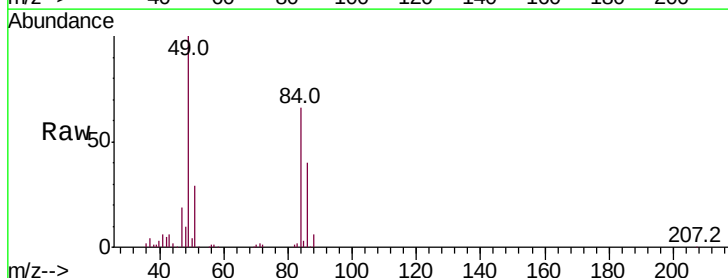
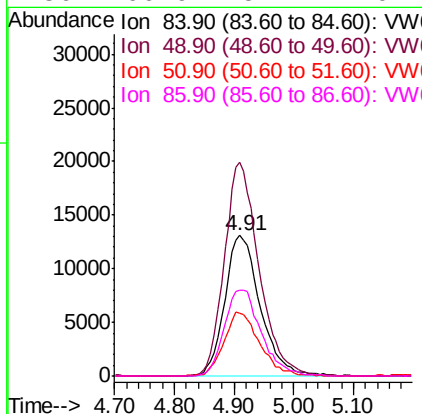
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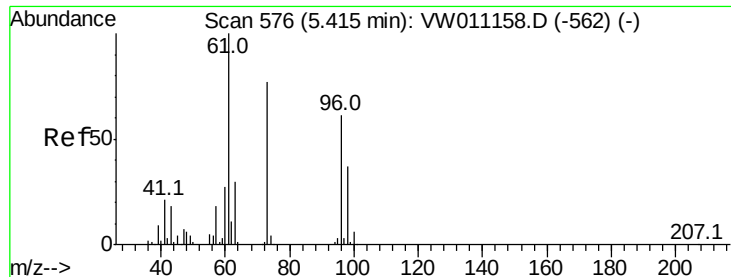
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#20
Methylene Chloride
Concen: 25.154 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 84 Resp: 54015
Ion Ratio Lower Upper
84 100
49 151.7 123.8 185.6
51 44.1 37.4 56.2
86 60.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.602 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 96 Resp: 40739

Ion Ratio Lower Upper

96 100

61 161.9 132.2 198.2

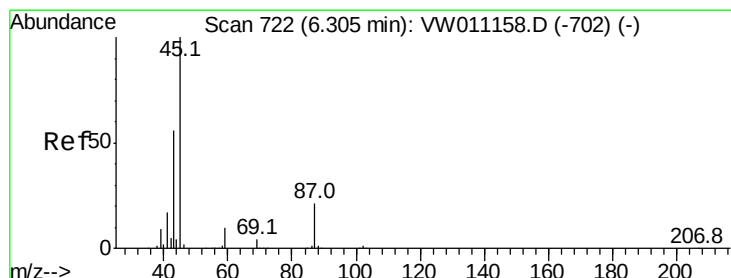
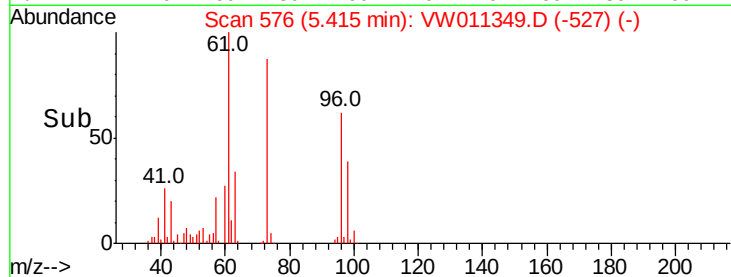
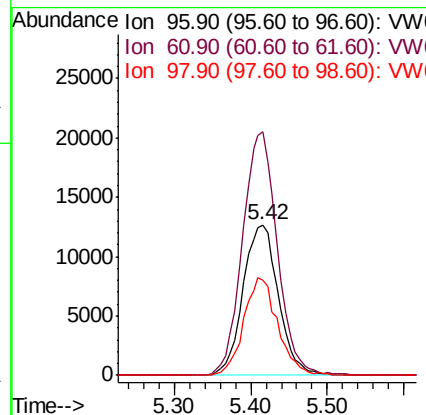
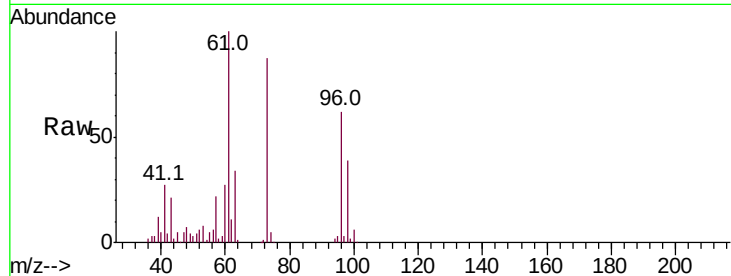
98 63.0 49.4 74.0

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#22

Diisopropyl ether

Concen: 20.687 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion: 45 Resp: 162280

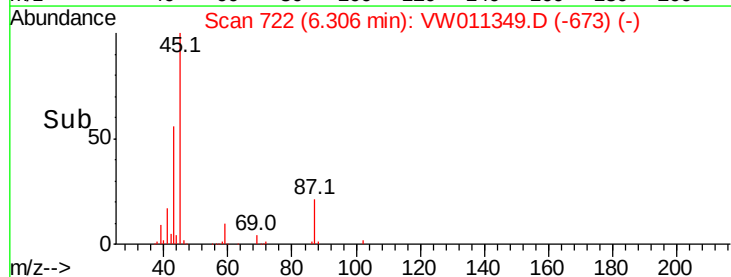
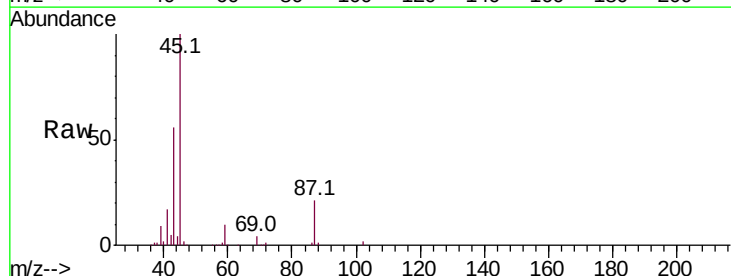
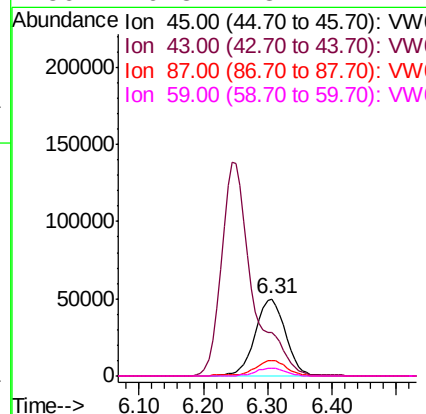
Ion Ratio Lower Upper

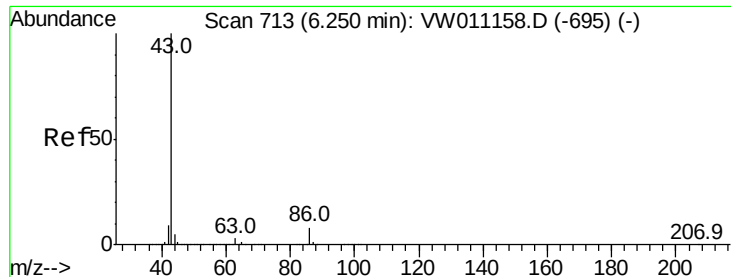
45 100

43 55.9 44.6 66.8

87 20.4 17.3 25.9

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 96.229 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 43 Resp: 467175

Ion Ratio Lower Upper

43 100

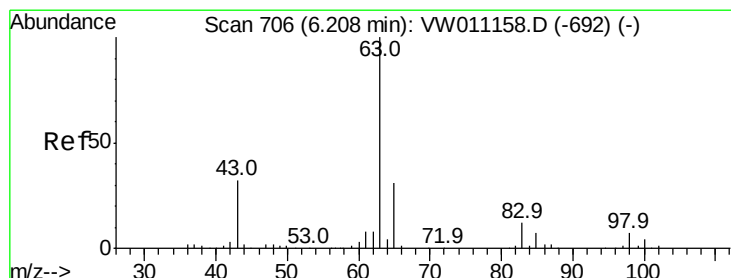
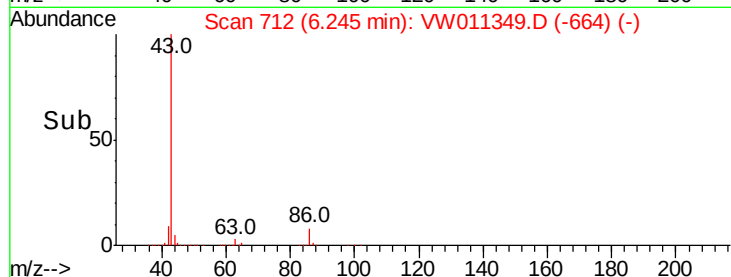
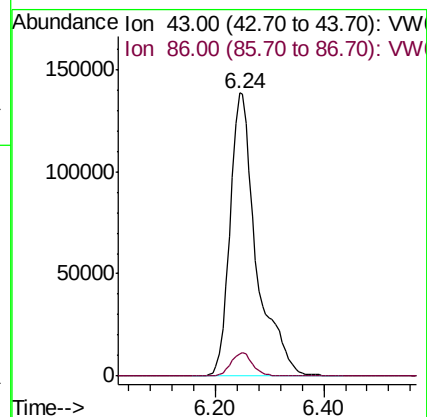
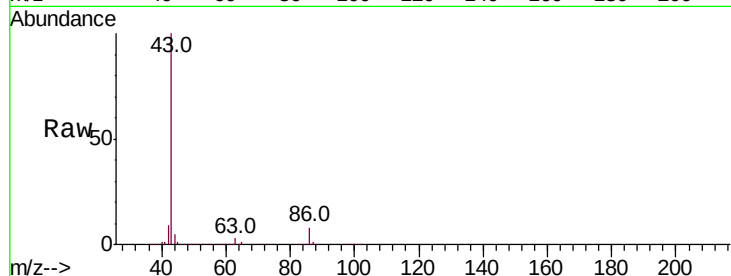
86 8.0 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.016 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

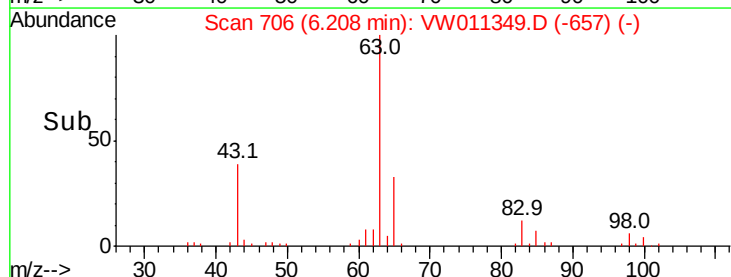
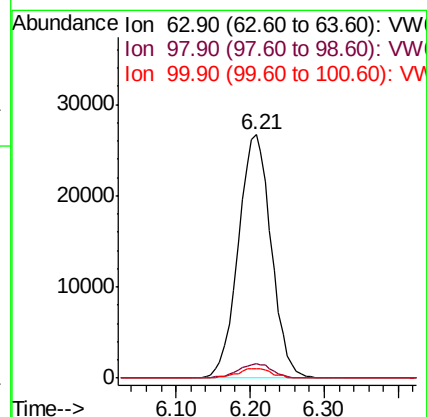
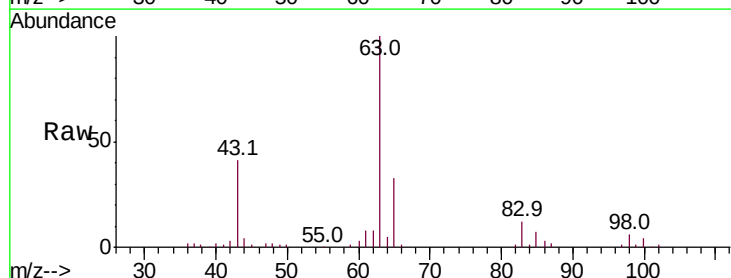
Tgt Ion: 63 Resp: 82453

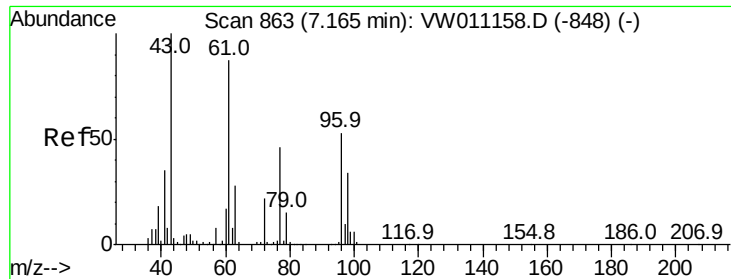
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 117.249 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 43 Resp: 100186

Ion Ratio Lower Upper

43 100

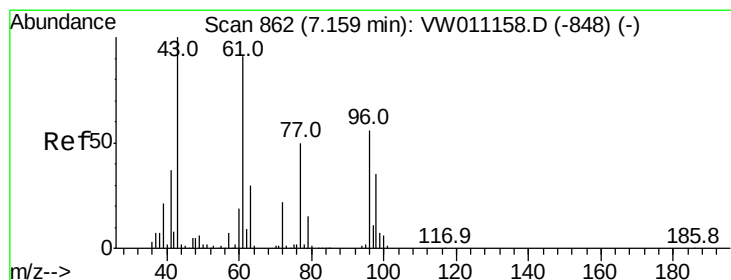
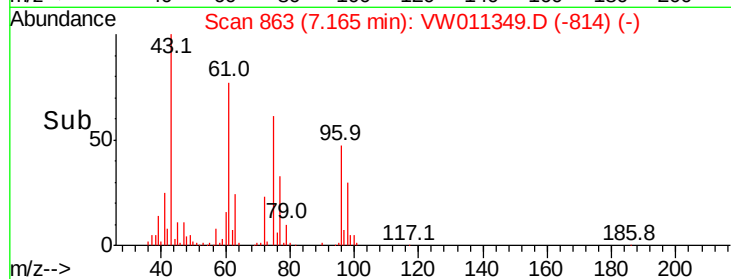
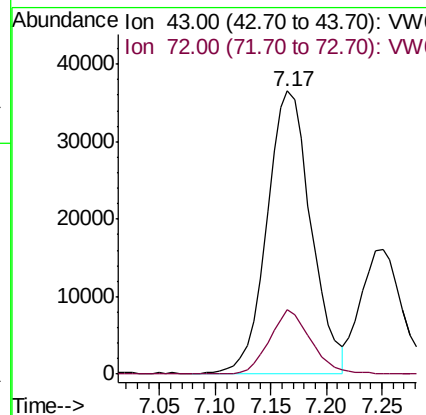
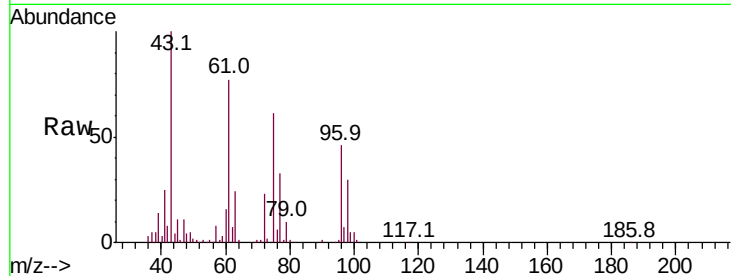
72 23.0 17.6 26.4

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#26

2,2-Dichloropropane

Concen: 18.964 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011349.D

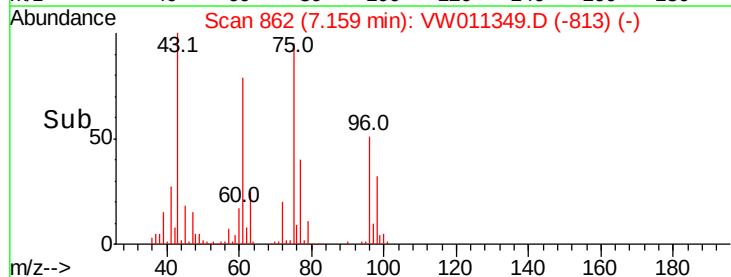
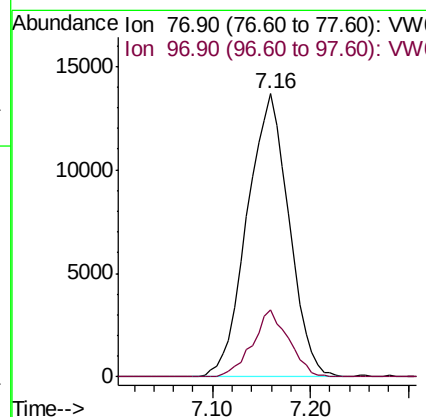
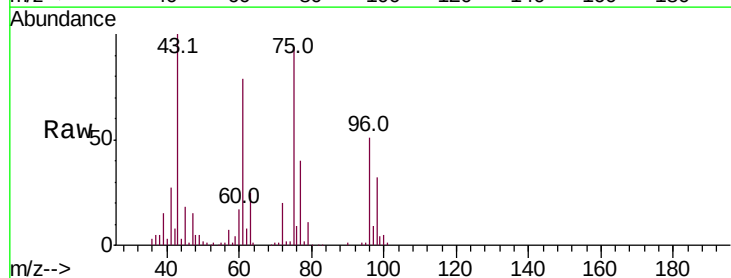
Acq: 18 Jul 2019 23:22

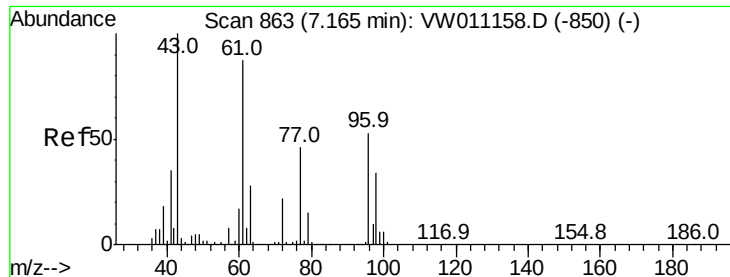
Tgt Ion: 77 Resp: 40607

Ion Ratio Lower Upper

77 100

97 20.3 11.2 33.5





#27

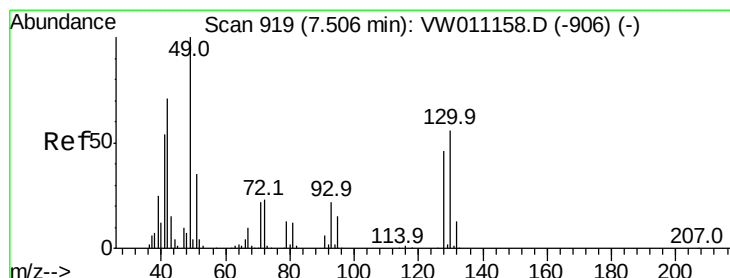
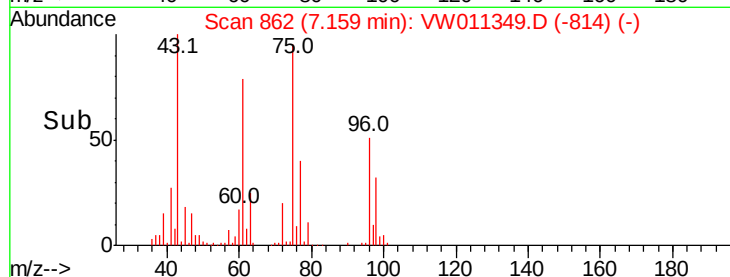
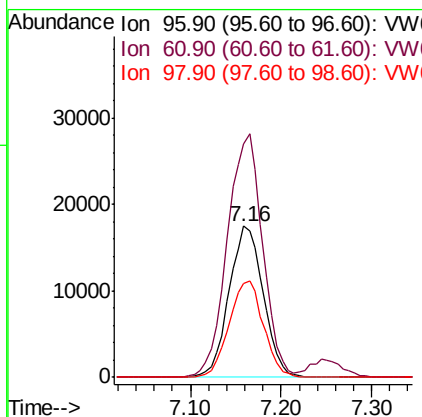
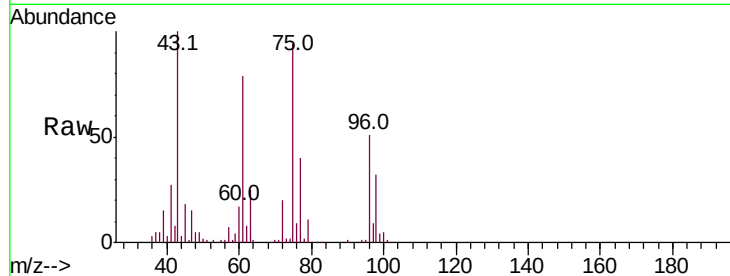
cis-1,2-Dichloroethene
 Concen: 20.434 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	325.6
98	64.0	0.0	128.2

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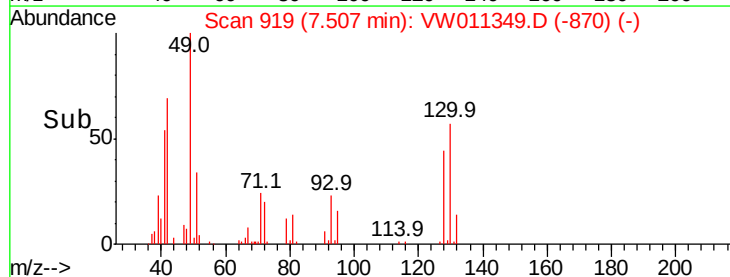
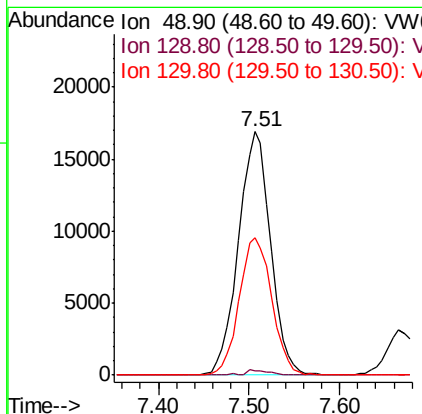
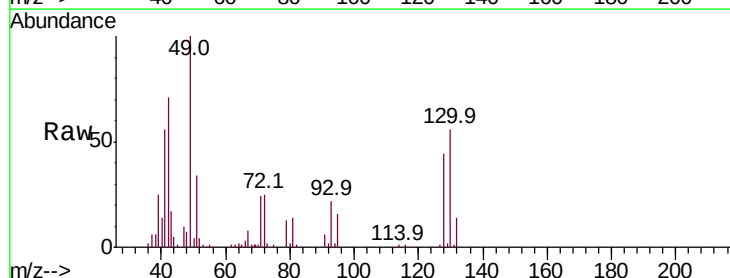
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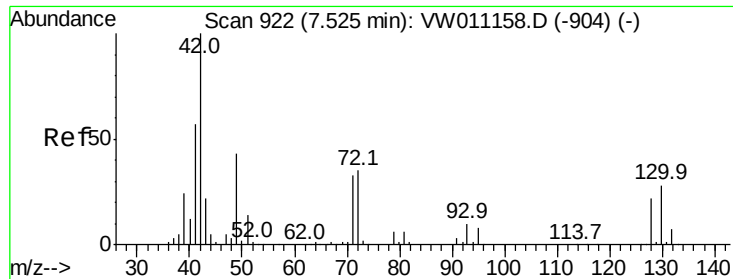


#28

Bromochloromethane
 Concen: 22.119 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	57.1	45.8	68.8





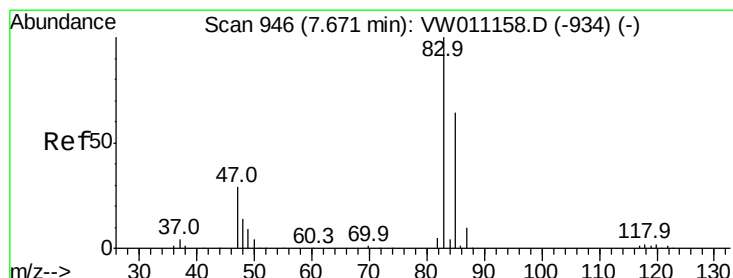
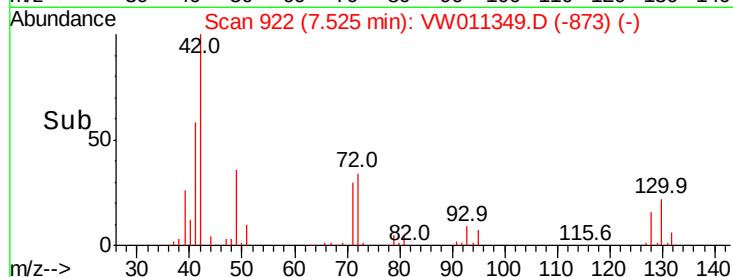
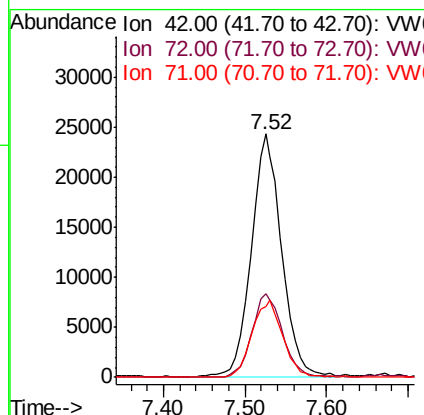
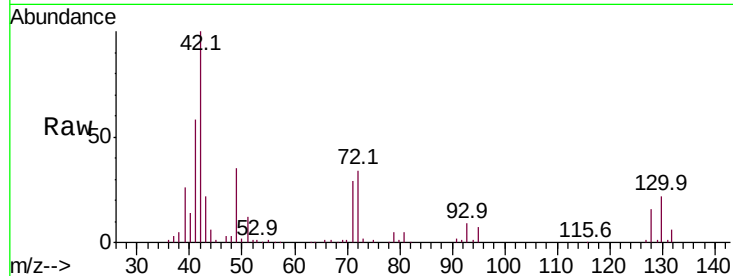
#29
Tetrahydrofuran
Concen: 112.885 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.4	41.2
71	31.9	25.9	38.9

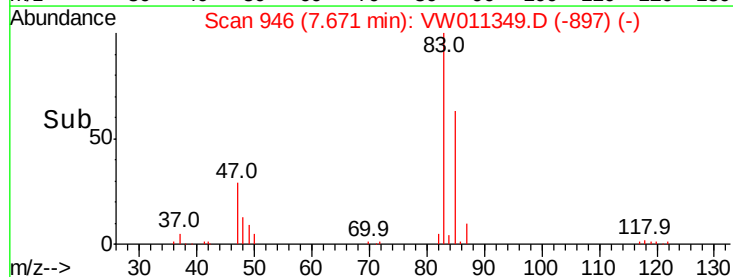
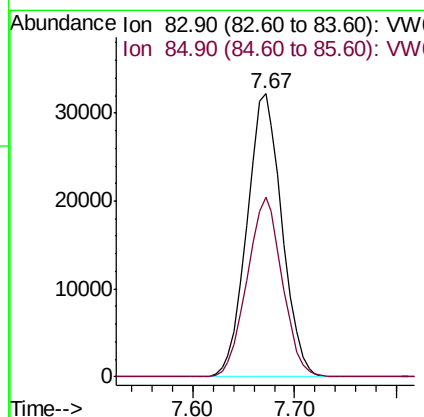
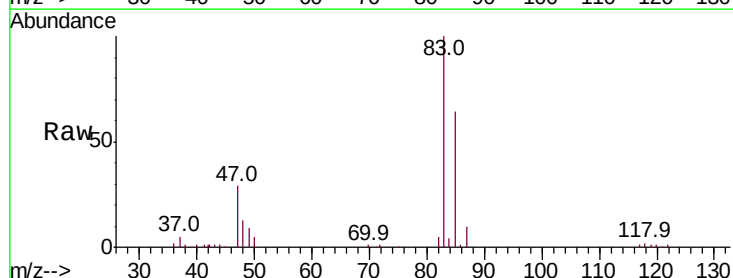
Manual Integrations
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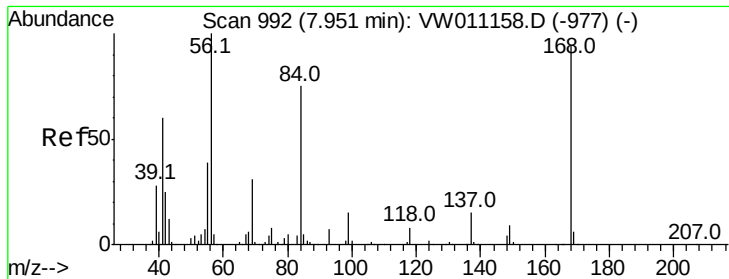
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#30
Chloroform
Concen: 20.117 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.2





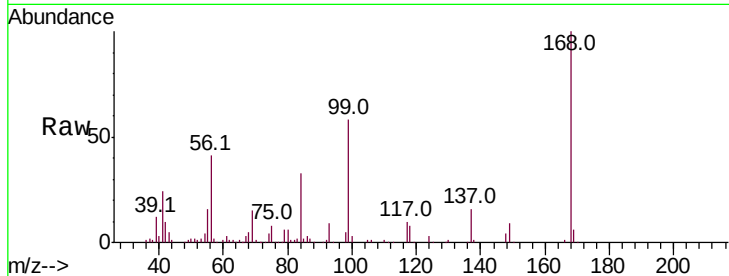
#31
Cyclohexane
Concen: 17.606 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

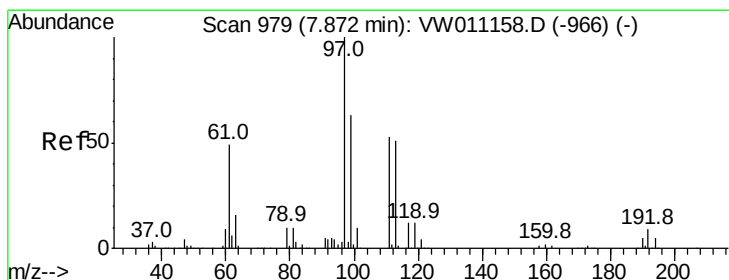
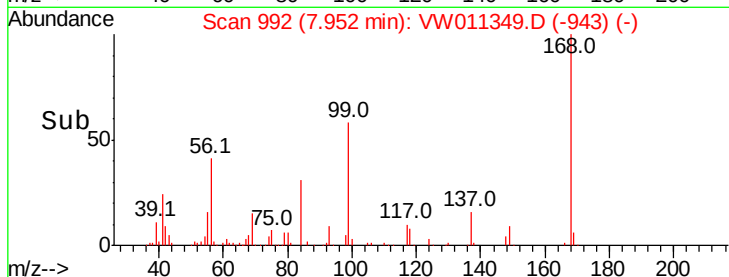
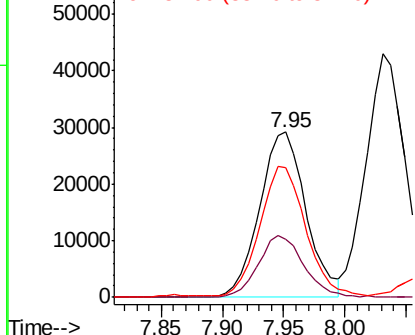
Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.6	36.8
84	77.2	60.1	90.1

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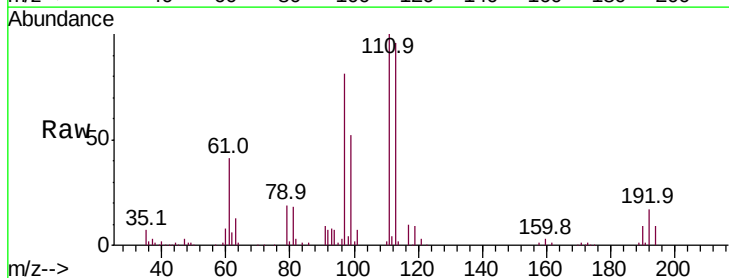


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

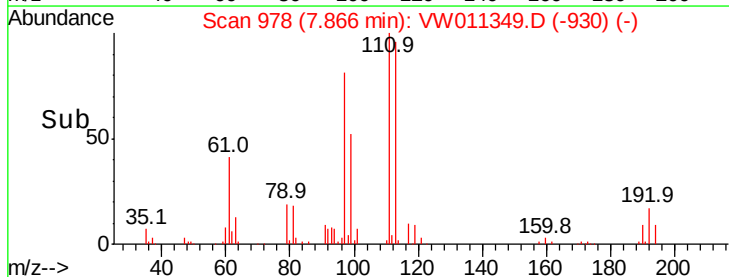
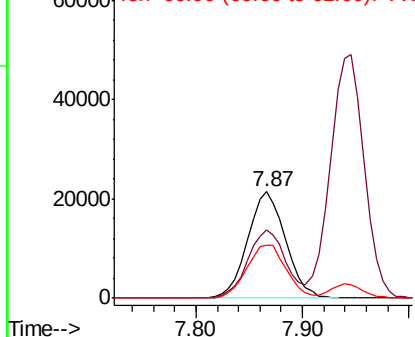


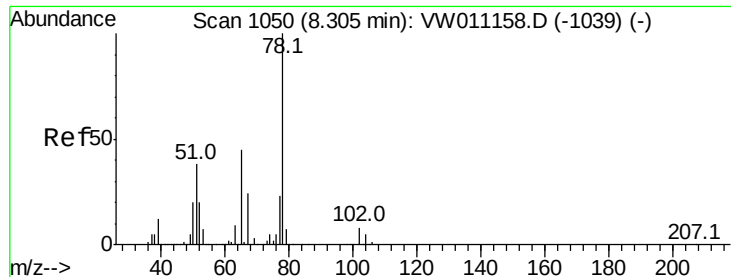
#32
1,1,1-Trichloroethane
Concen: 18.451 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	52.4	40.4	60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.687 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

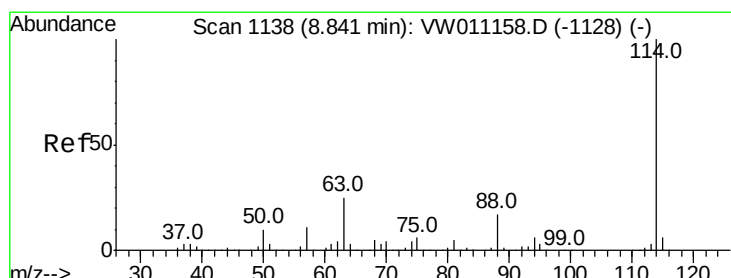
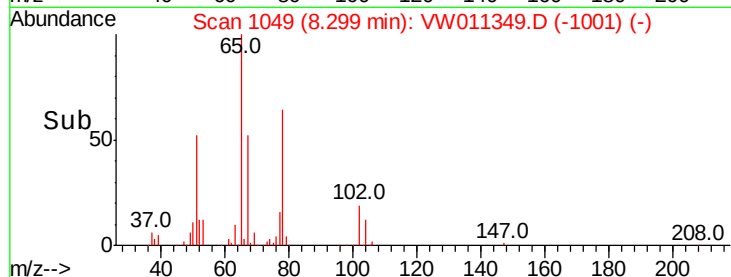
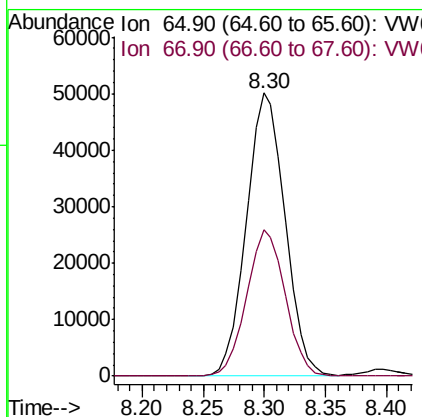
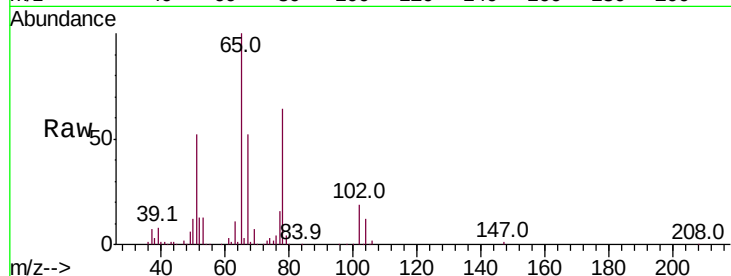
Instrument :
MSVOA_W

ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.4	

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

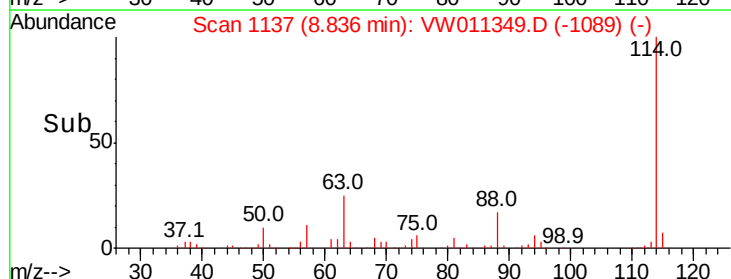
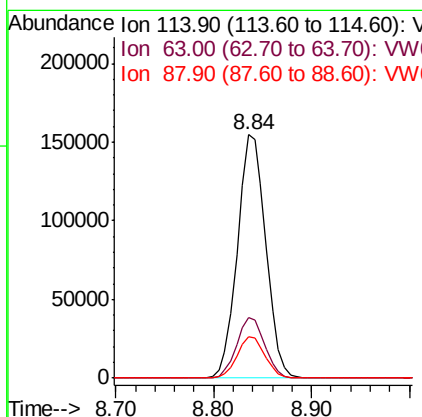
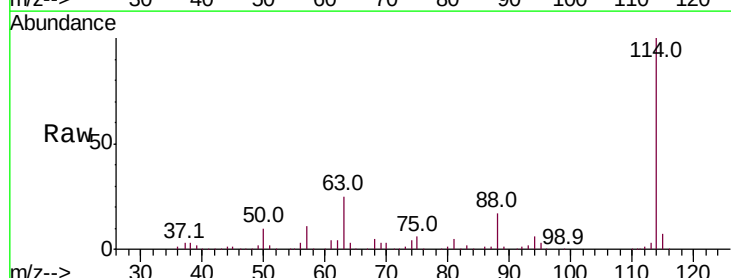
RT: 8.84 min Scan# 1137

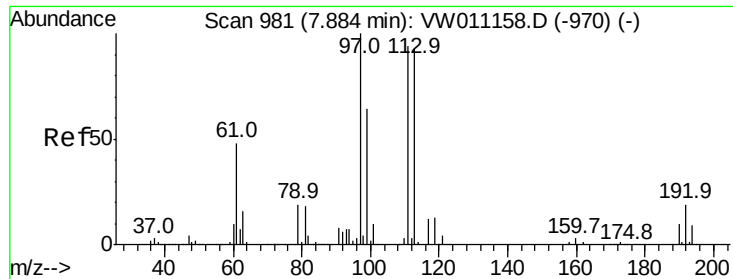
Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.9	0.0	50.8	
88	17.0	0.0	34.2	





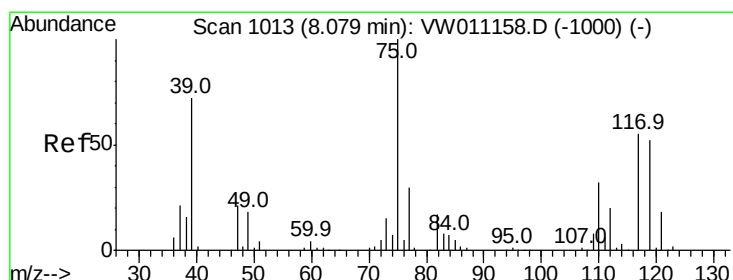
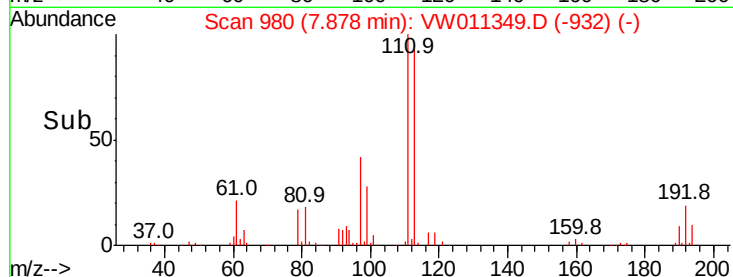
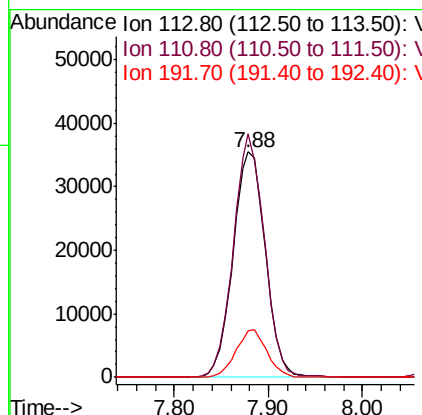
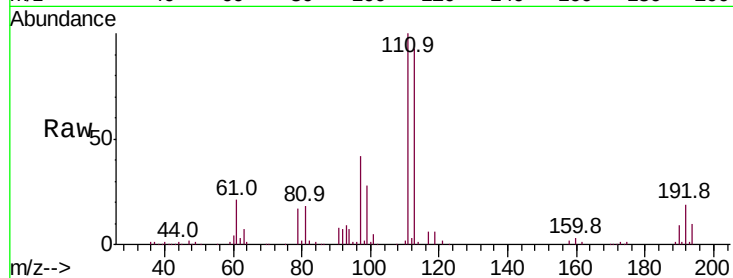
#35
 Dibromofluoromethane
 Concen: 45.954 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	20.0	15.8	23.8

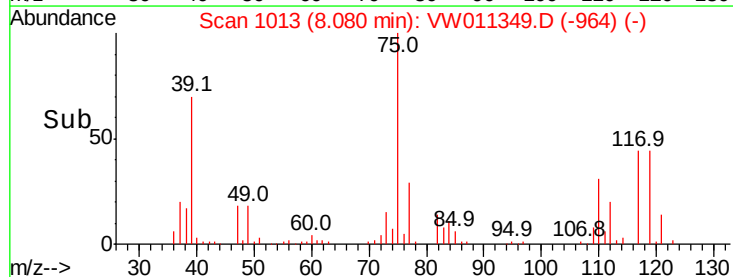
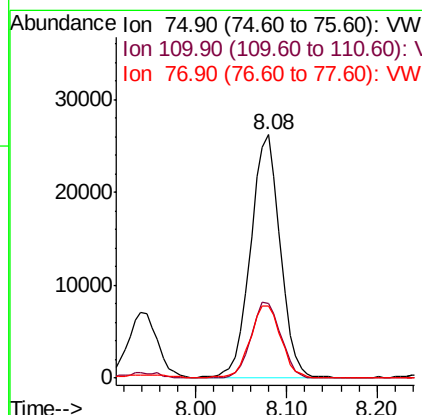
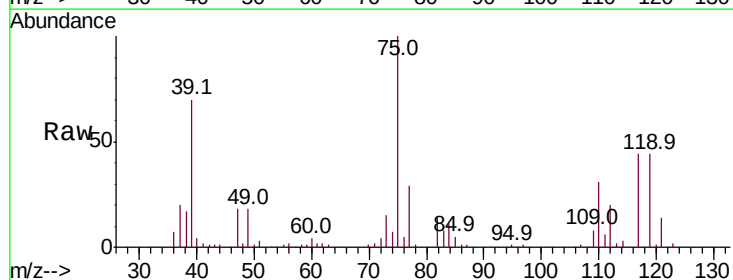
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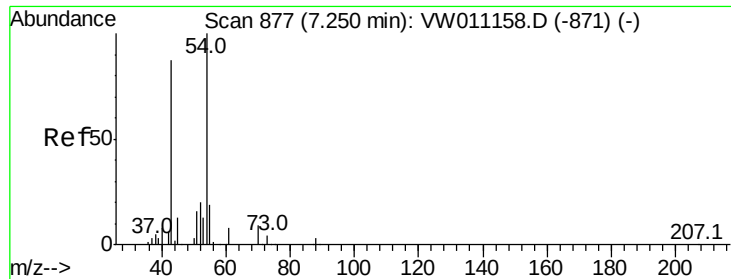
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#36
 1,1-Dichloropropene
 Concen: 17.865 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.9	47.6
77	31.1	24.6	36.8





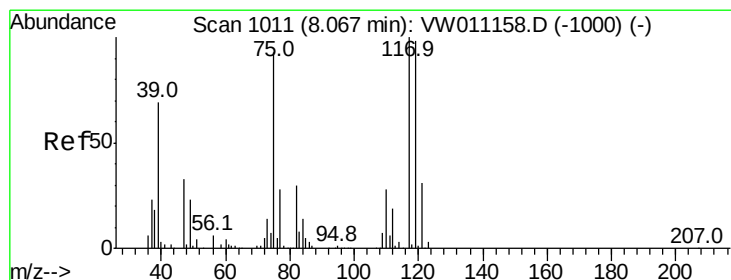
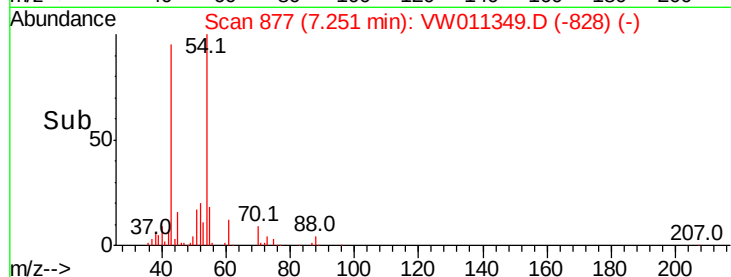
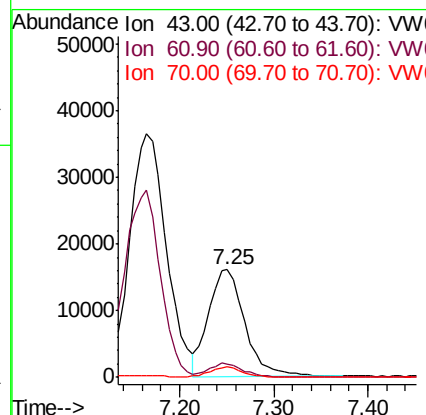
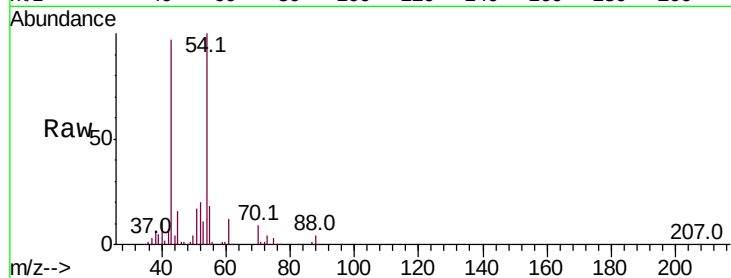
#37
Ethyl Acetate
Concen: 21.392 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.5	14.3
70	9.0	7.1	10.7

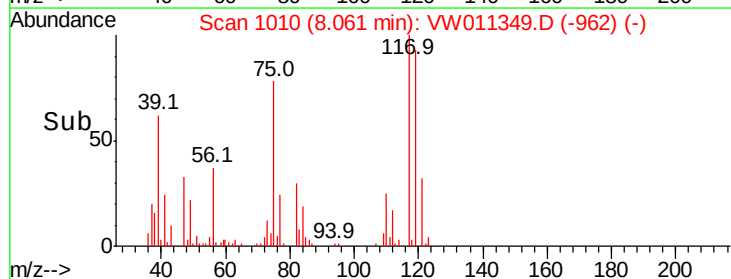
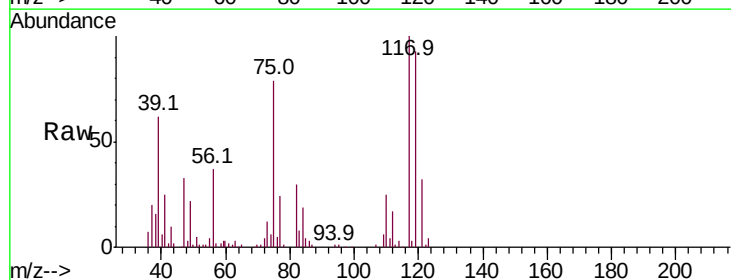
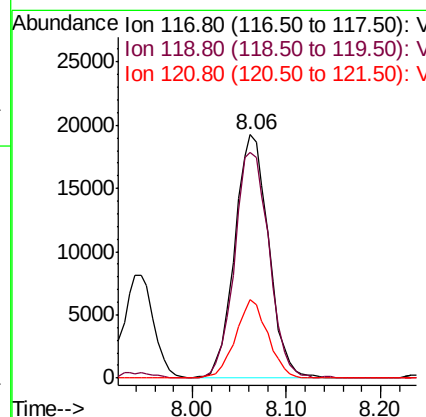
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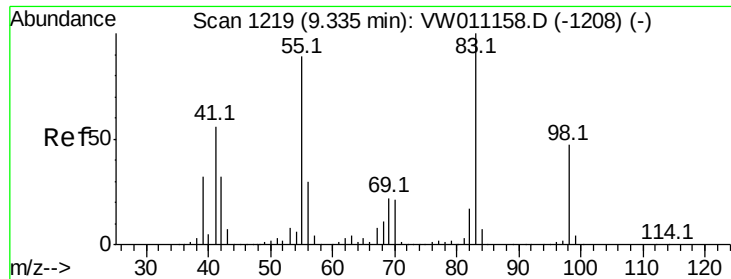
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#38
Carbon Tetrachloride
Concen: 17.224 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.1	117.1
121	32.5	25.1	37.7





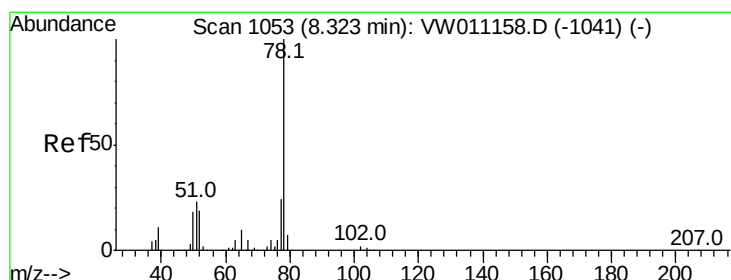
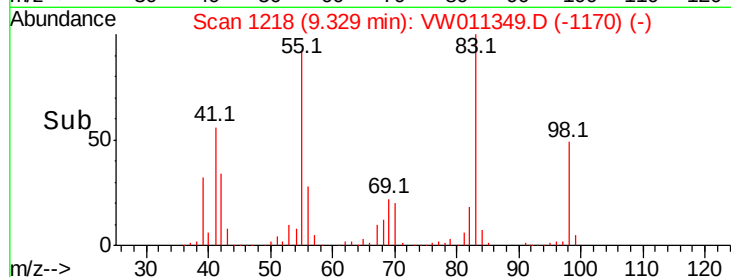
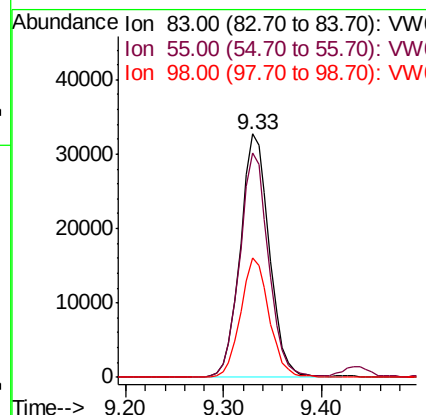
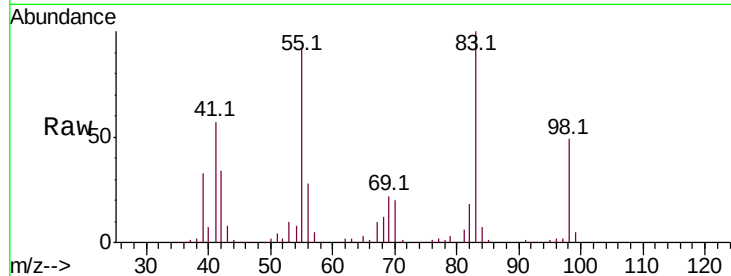
#39
Methylvlcyclohexane
Concen: 16.833 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	83	Resp	67433
Ion Ratio	100	Lower	Upper
83	100	71.2	106.8
55	92.0	37.5	56.3
98	49.0		

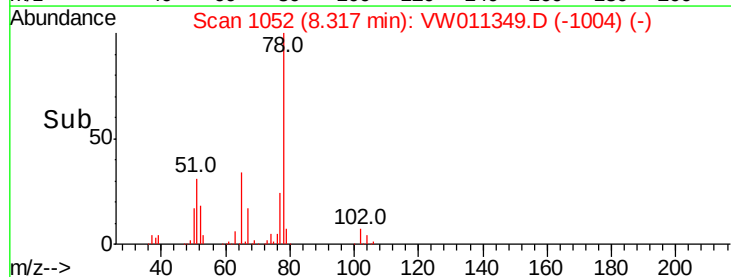
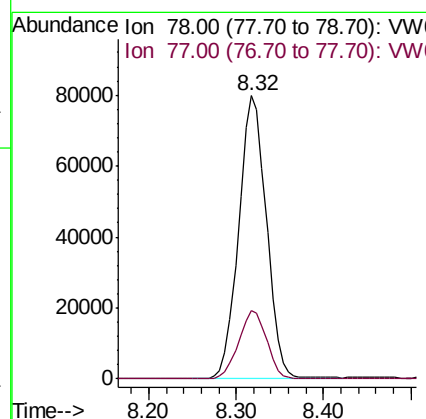
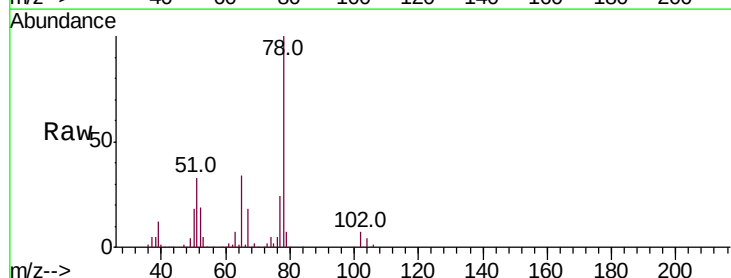
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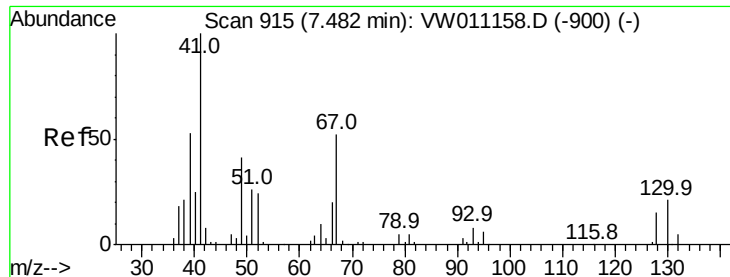
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#40
Benzene
Concen: 19.319 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	78	Resp	176455
Ion Ratio	100	Lower	Upper
78	100	19.0	28.6
77	24.0		





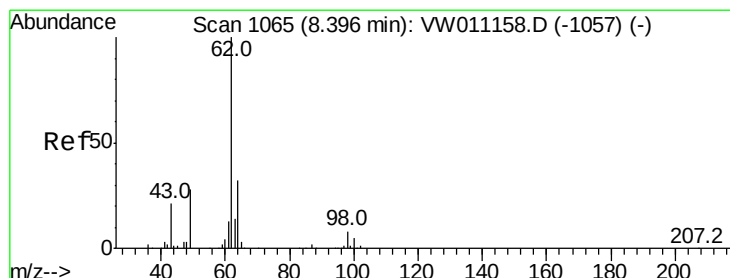
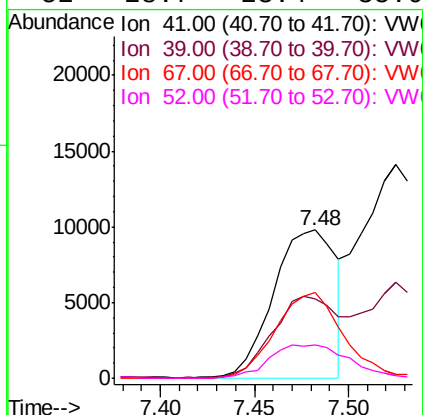
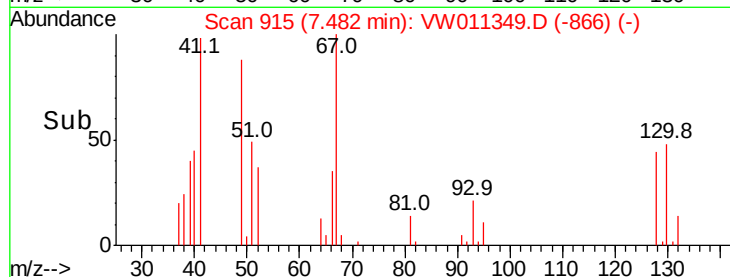
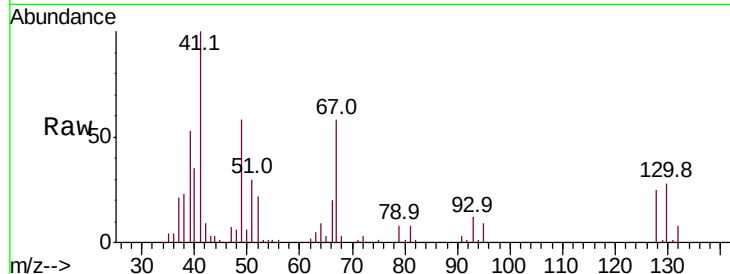
#41
Methacrylonitrile
Concen: 20.001 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	48.0	72.0
67	62.5	49.7	74.5
52	28.7	23.4	35.0

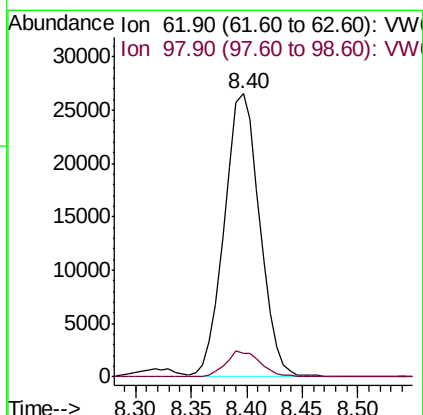
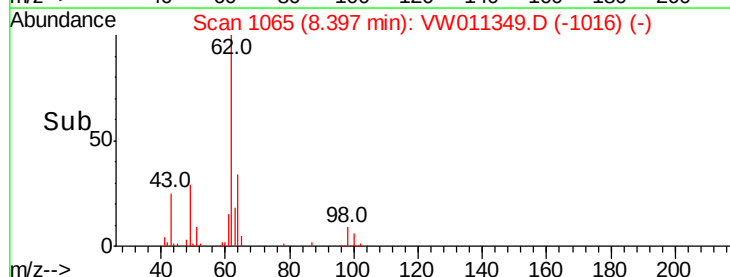
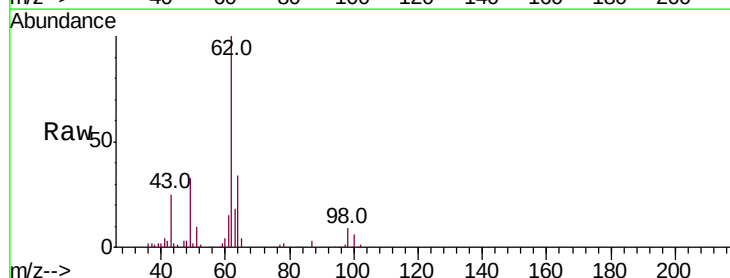
Manual Integrations
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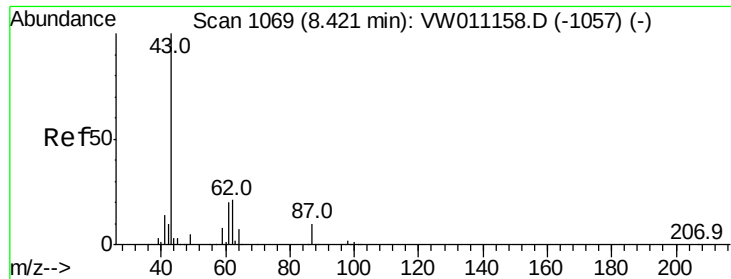
MMDadoda
7/19/2019 9:51:20 AM



#42
1,2-Dichloroethane
Concen: 19.819 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.498 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

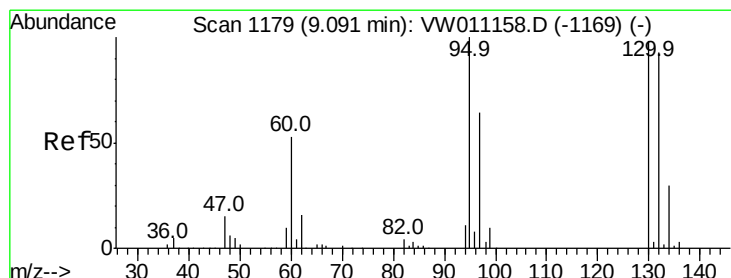
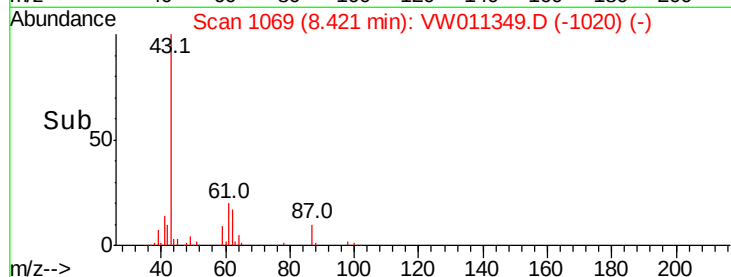
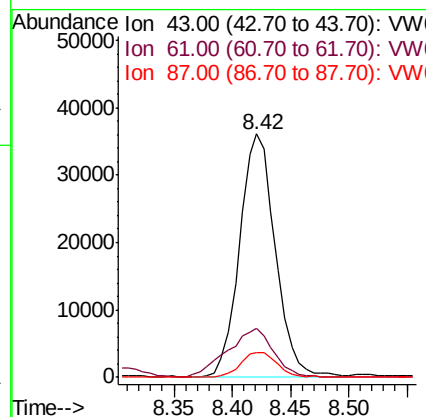
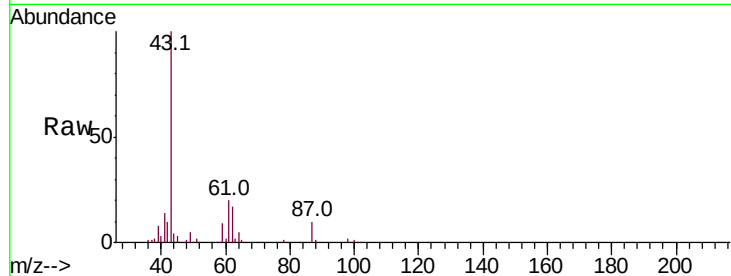
ClientSampleId :

VW0718SBS02

Tot Ion:	43	Resp:	76849
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	10.6	8.1	12.1

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#44

Trichloroethene

Concen: 18.743 ug/l

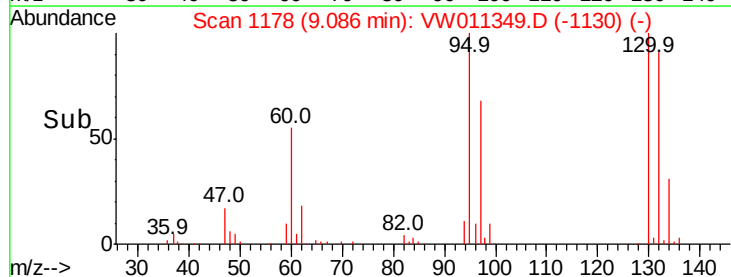
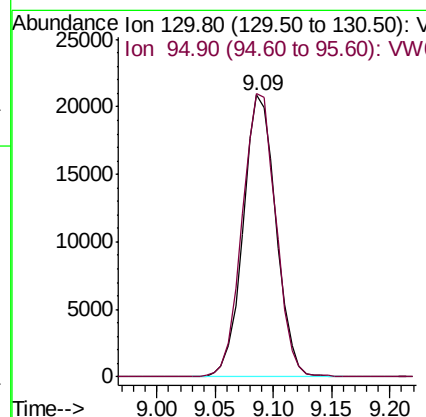
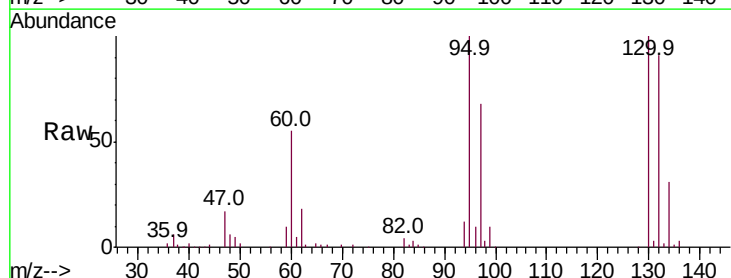
RT: 9.09 min Scan# 1178

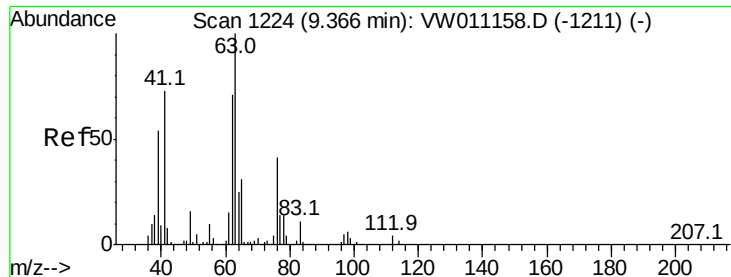
Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion:	130	Resp:	41196
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.6





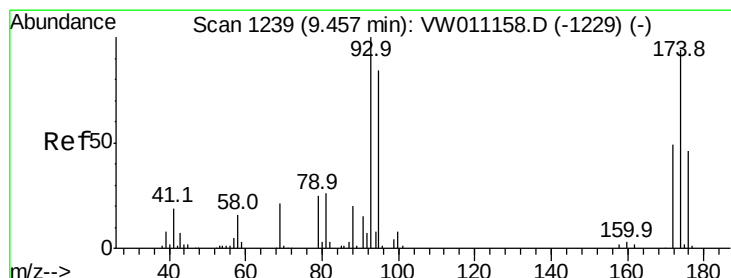
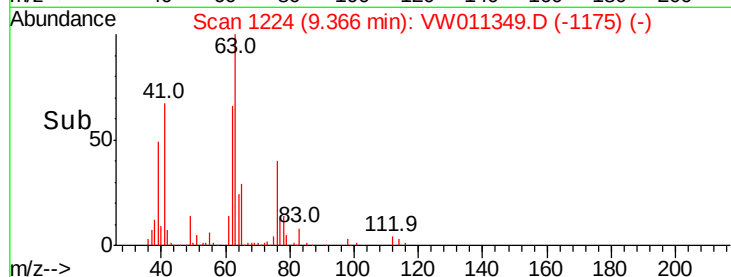
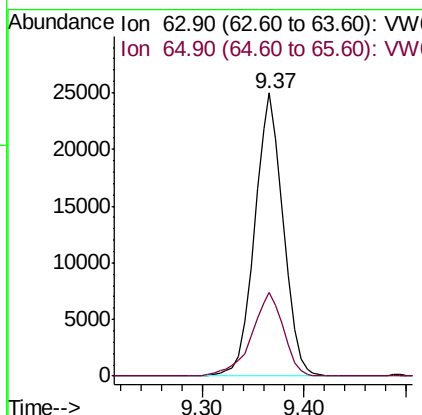
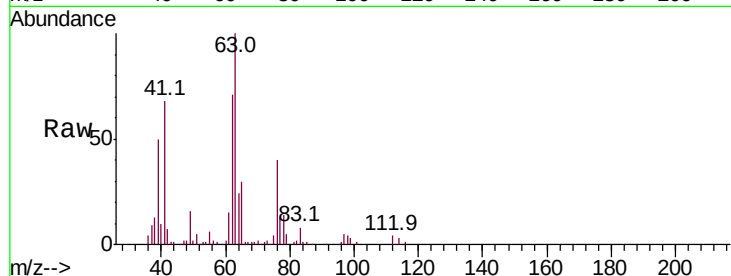
#45
 1,2-Dichloropropane
 Concen: 19.590 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.4	36.6

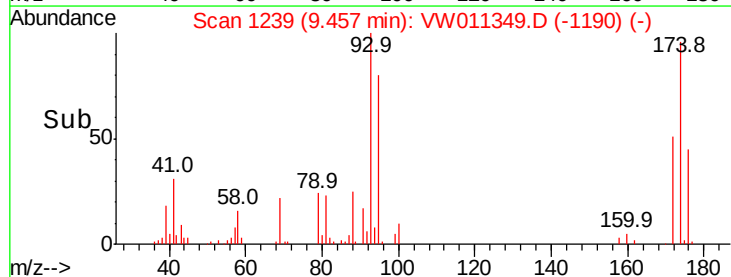
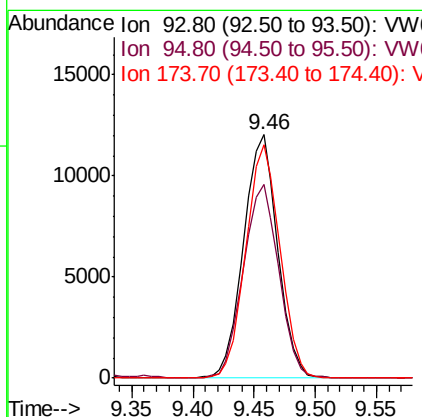
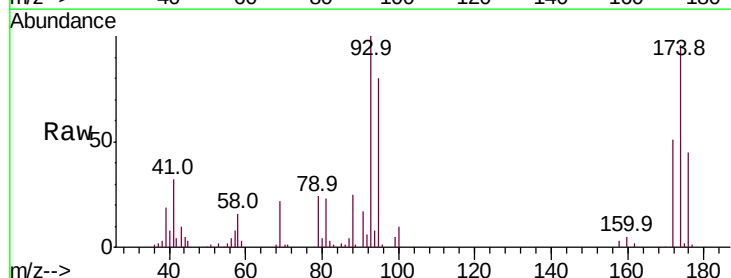
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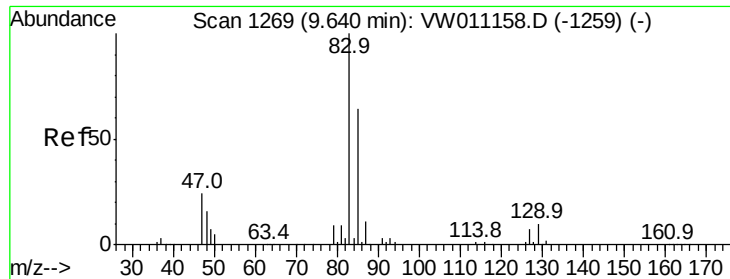
MMDadoda
 7/19/2019 9:51:20 AM



#46
 Dibromomethane
 Concen: 20.084 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	96.1	76.3	114.5





#47

Bromodichloromethane

Concen: 18.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

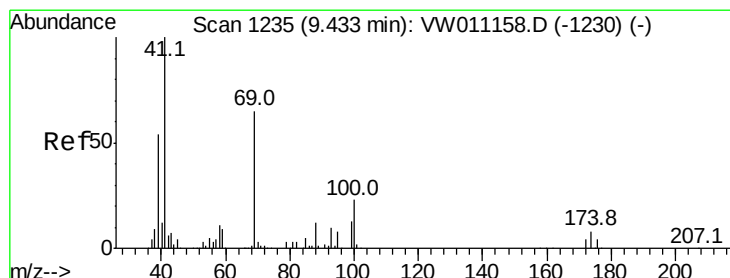
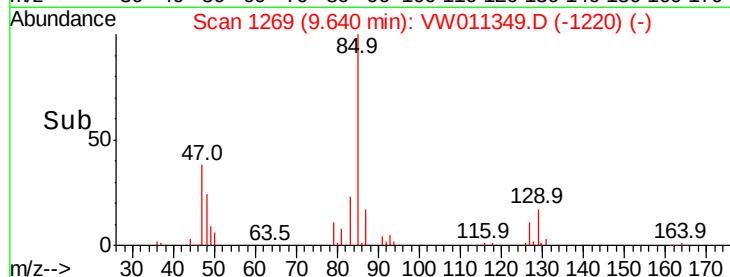
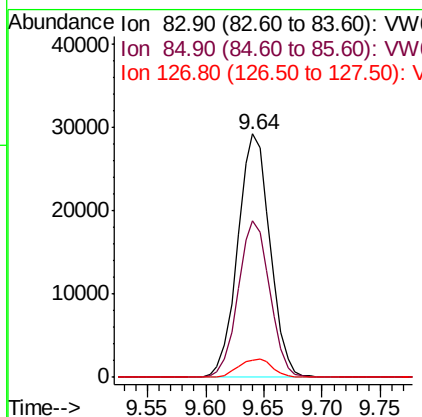
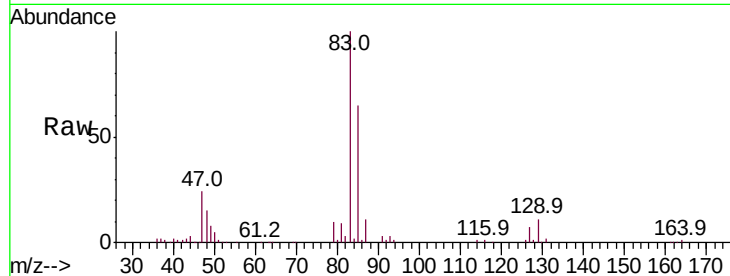
ClientSampleId :

VW0718SBS02

Tot Ion:	83	Resp:	56358
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4
127	7.2	6.0	9.0

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#48

Methyl methacrylate

Concen: 19.918 ug/l

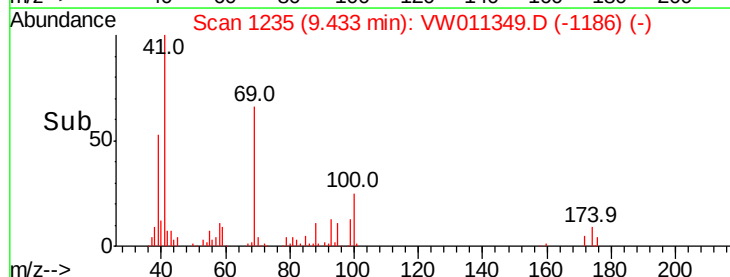
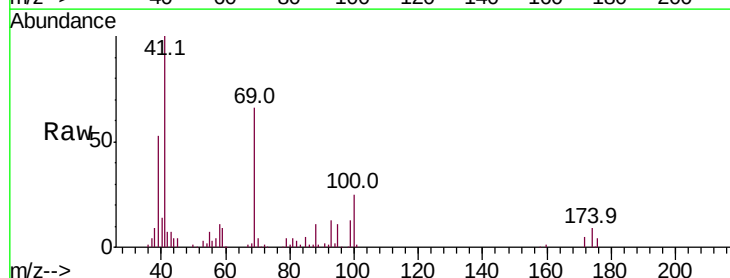
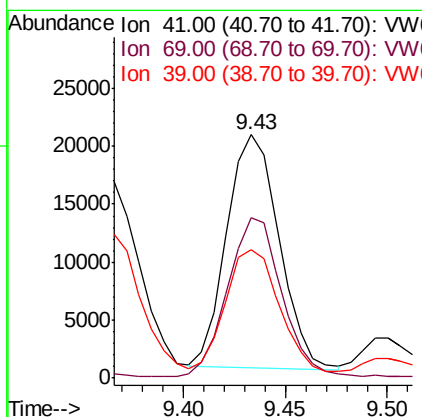
RT: 9.43 min Scan# 1235

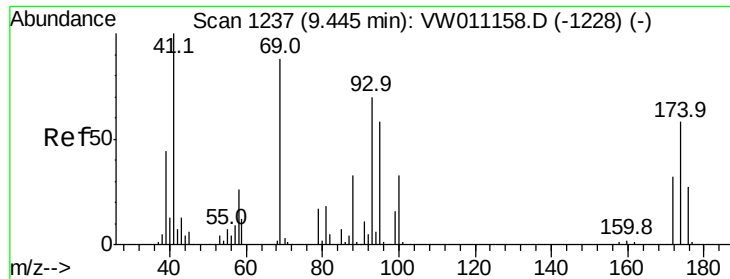
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion:	41	Resp:	35926
Ion	Ratio	Lower	Upper
41	100		
69	71.7	56.0	84.0
39	59.4	43.5	65.3





#49

1,4-Dioxane

Concen: 420.027 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

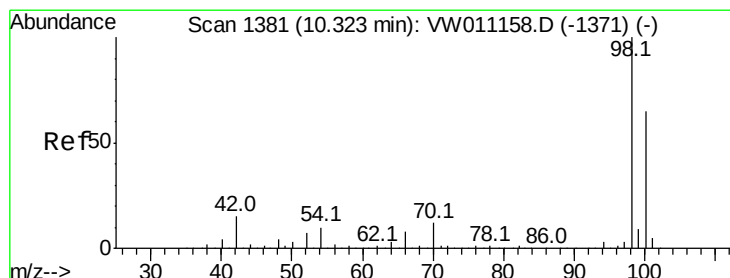
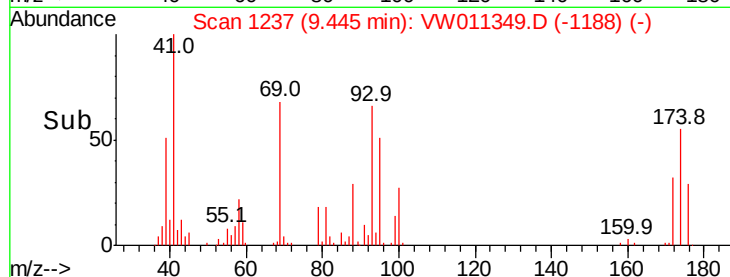
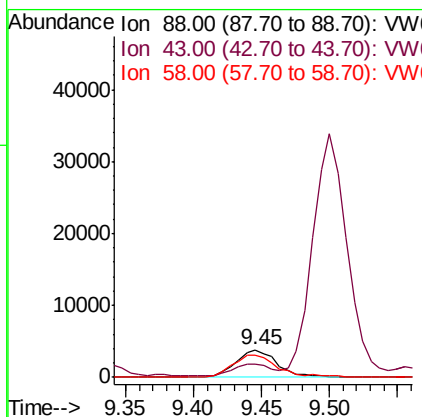
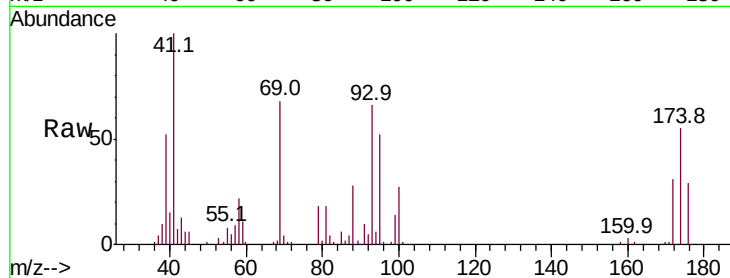
ClientSampleId :

VW0718SBS02

Tot Ion:	88	Resp:	8146
Ion	Ratio	Lower	Upper
88	100		
43	41.3	33.4	50.0
58	90.2	64.5	96.7

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#50

Toluene-d8

Concen: 44.925 ug/l

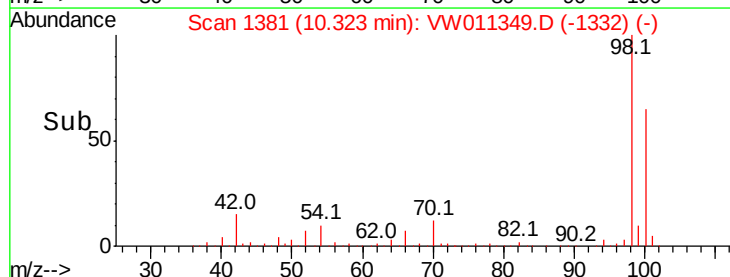
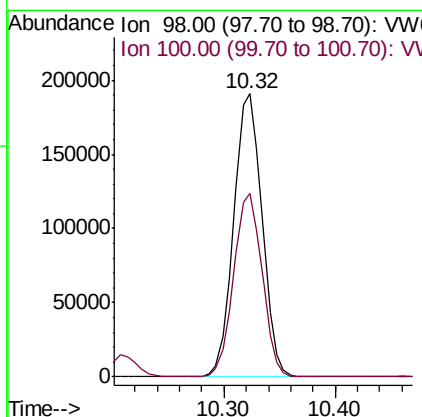
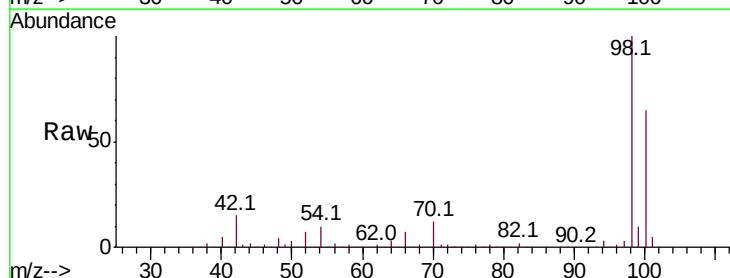
RT: 10.32 min Scan# 1381

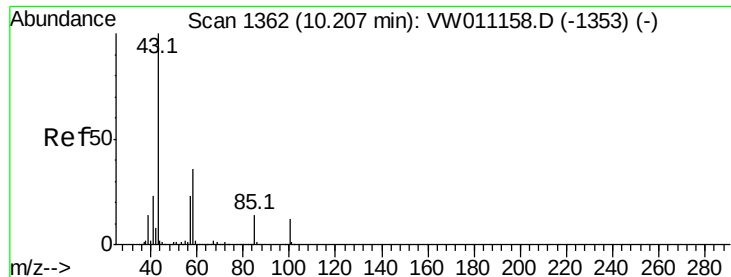
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion:	98	Resp:	335925
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 109.210 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampled :

VW0718SBS02

Tot Ion: 43 Resp: 213881

Ion Ratio Lower Upper

43 100

58 34.4

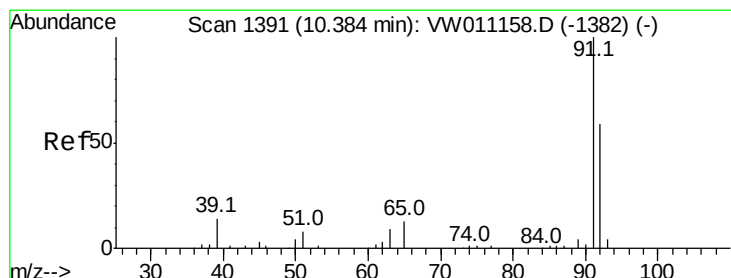
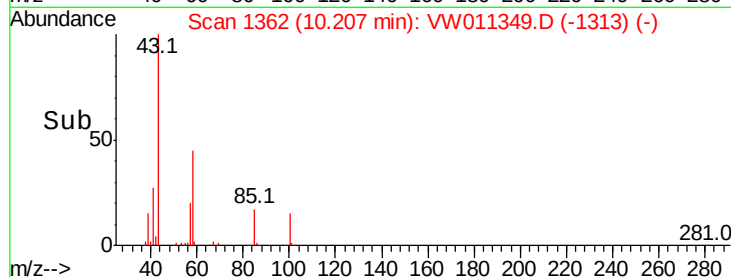
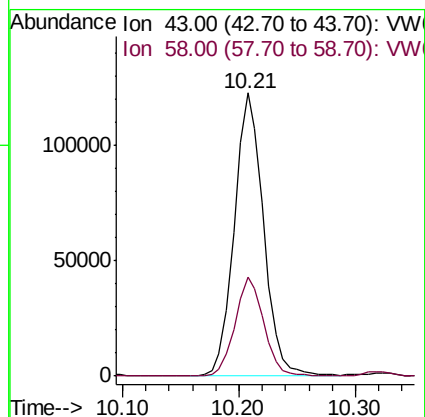
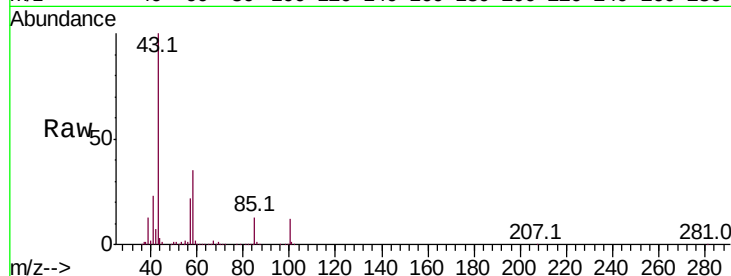
28.2

42.2

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#52

Toluene

Concen: 19.001 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion: 92 Resp: 105280

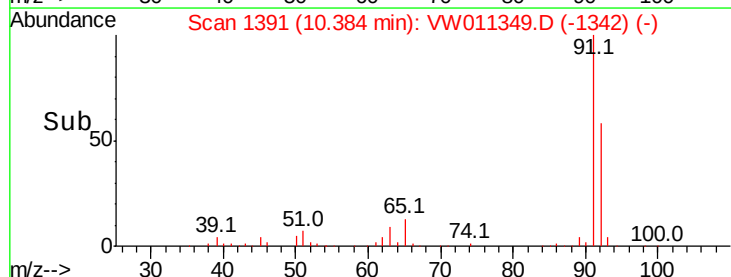
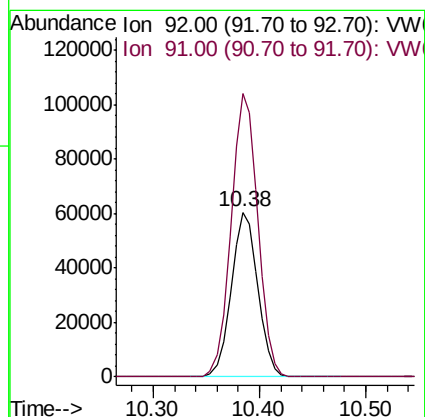
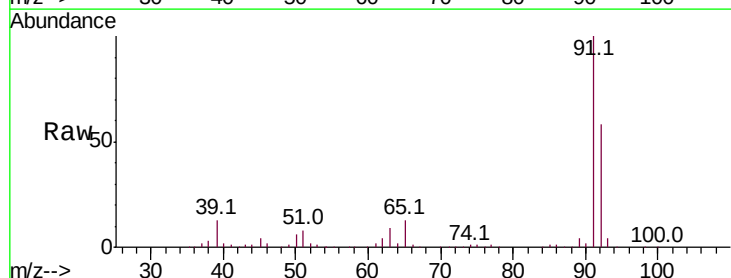
Ion Ratio Lower Upper

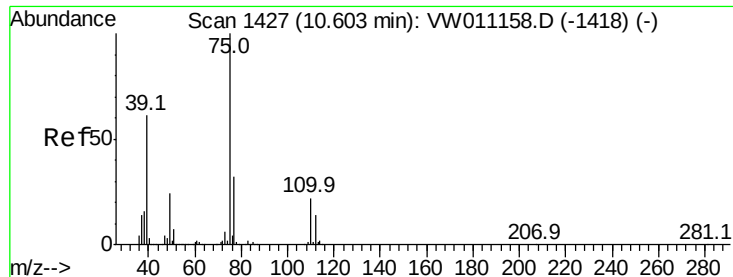
92 100

91 173.1

136.6

205.0





#53

t-1,3-Dichloropropene

Concen: 17.700 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

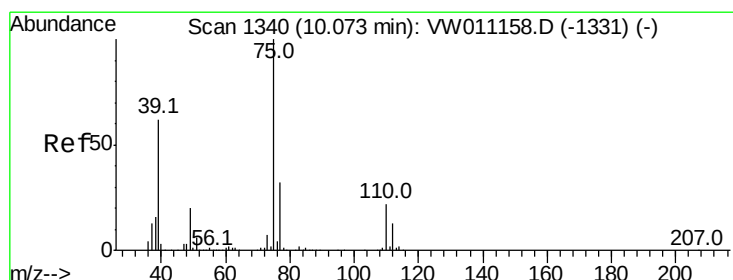
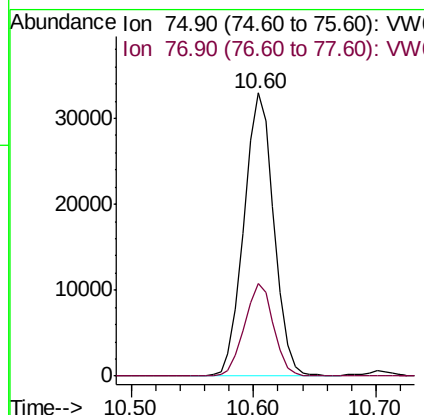
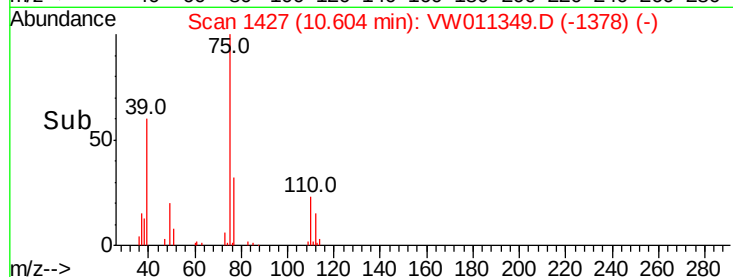
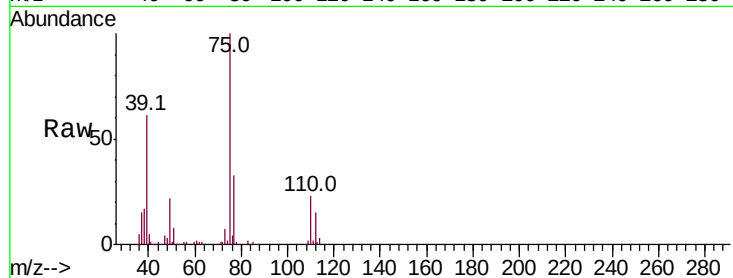
Instrument :
MSVOA_W

ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0

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#54

cis-1,3-Dichloropropene

Concen: 18.158 ug/l

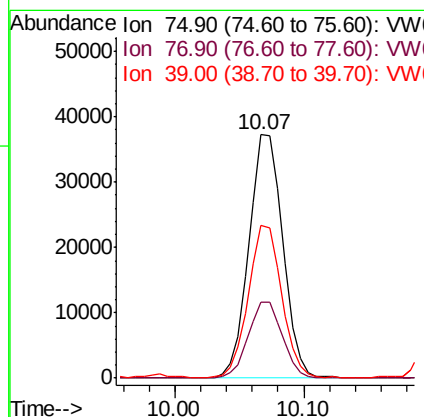
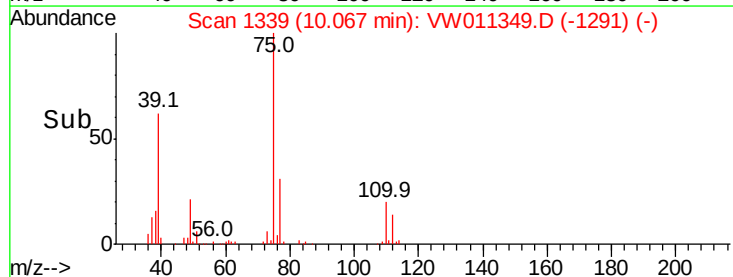
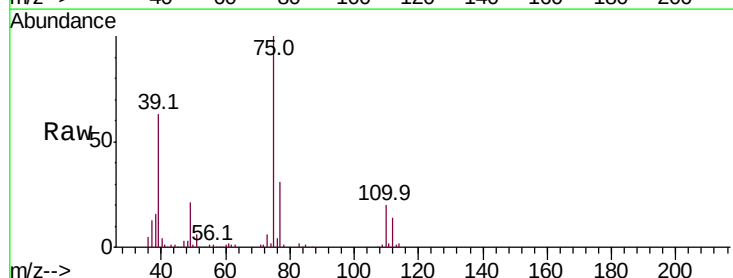
RT: 10.07 min Scan# 1339

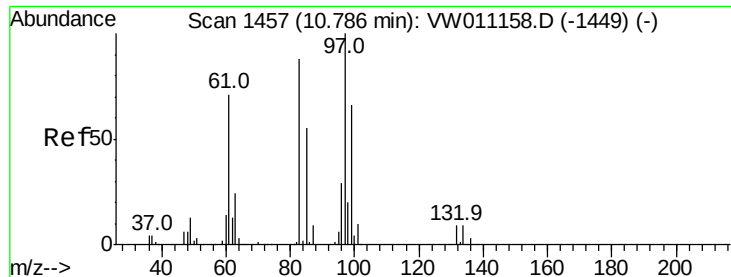
Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	62.4	49.8	74.8





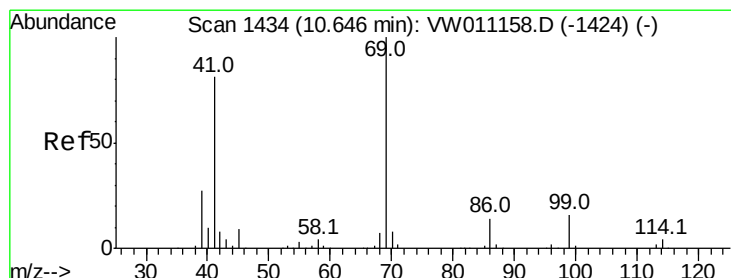
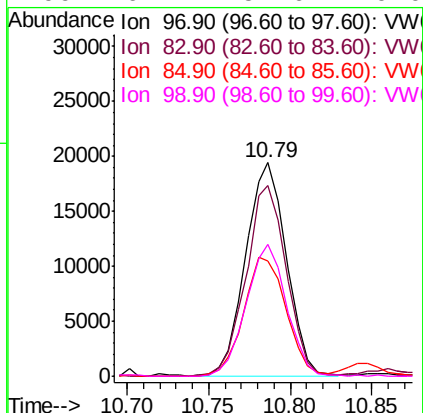
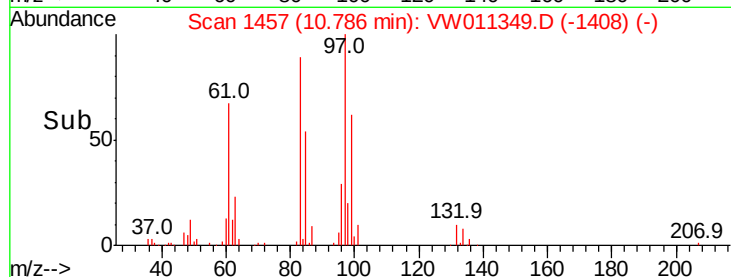
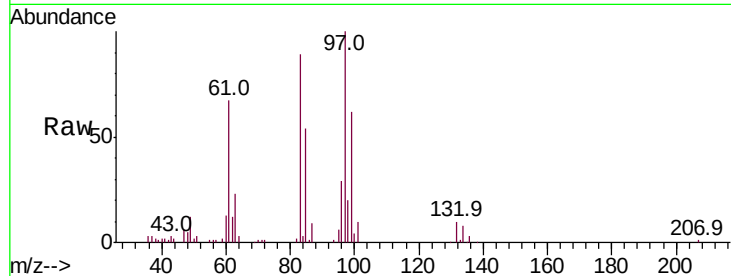
#55
1,1,2-Trichloroethane
Concen: 20.550 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	97	Resp:	33873
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	53.9	44.2	66.2
99	61.7	52.6	79.0

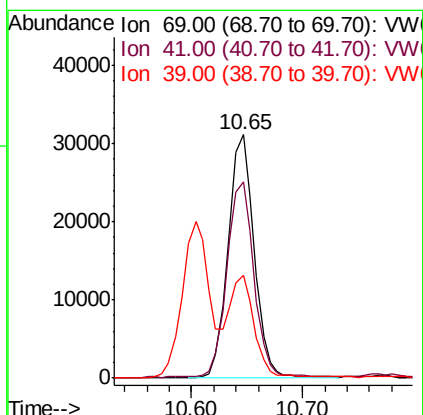
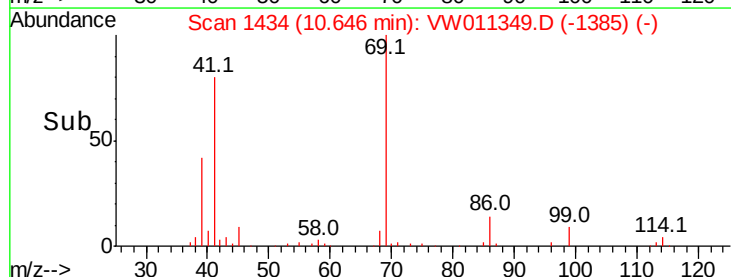
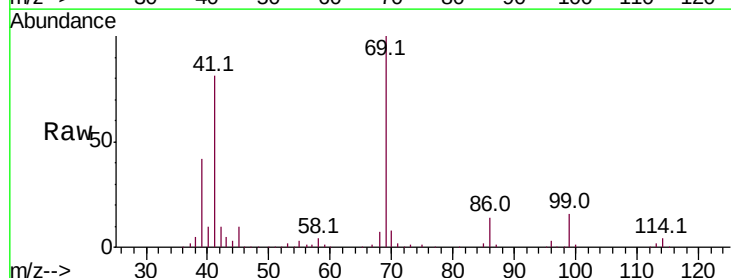
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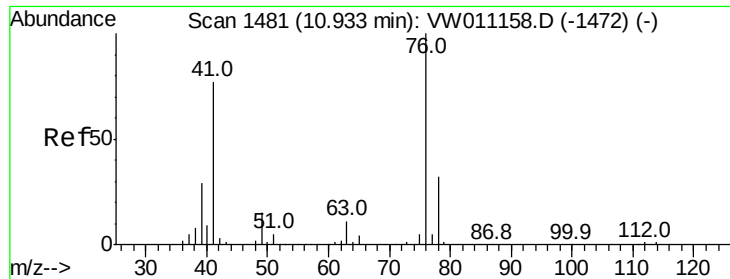
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#56
Ethyl methacrylate
Concen: 20.203 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	69	Resp:	50701
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	38.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.425 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 76 Resp: 63665

Ion Ratio Lower Upper

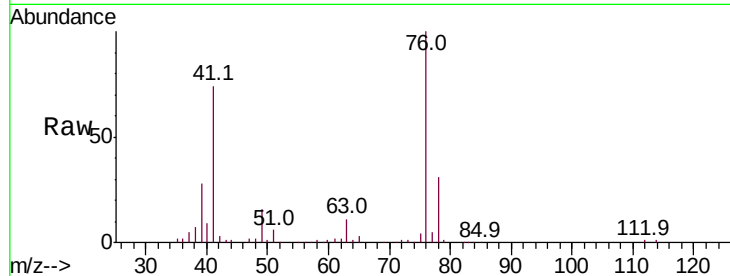
76 100

78 31.0 26.2 39.2

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

40000

30000

20000

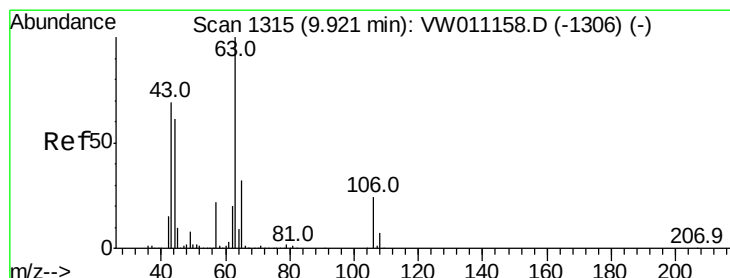
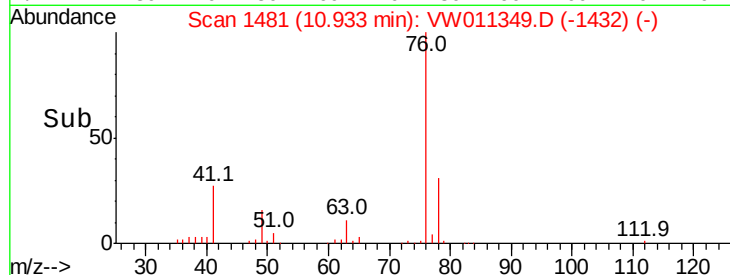
10000

0

10.93

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.340 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011349.D

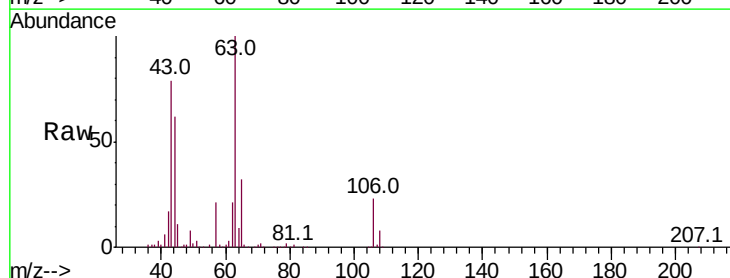
Acq: 18 Jul 2019 23:22

Tgt Ion: 63 Resp: 107431

Ion Ratio Lower Upper

63 100

106 23.9 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

60000

40000

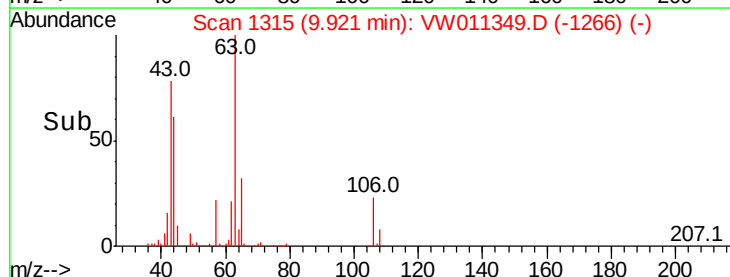
20000

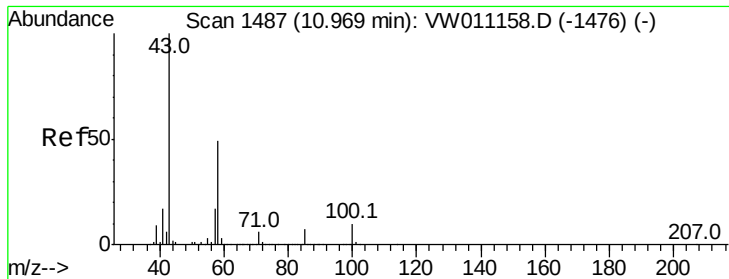
0

9.92

9.80 9.90 10.00

Time-->





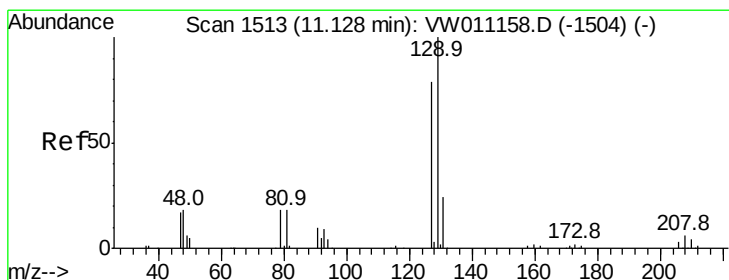
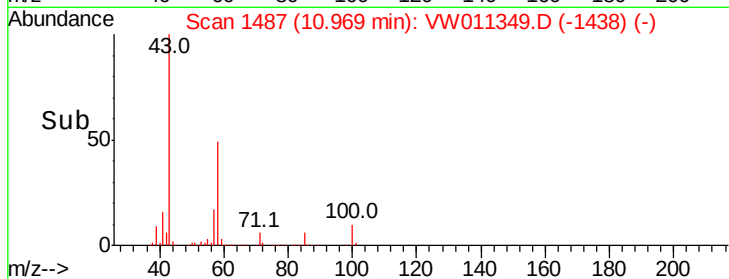
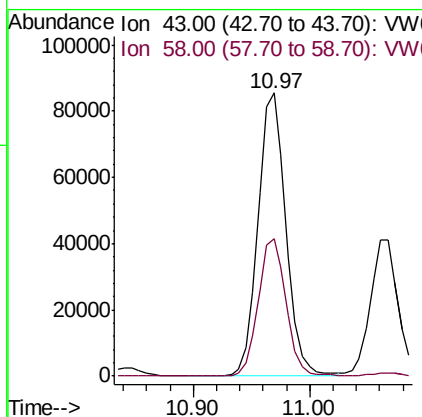
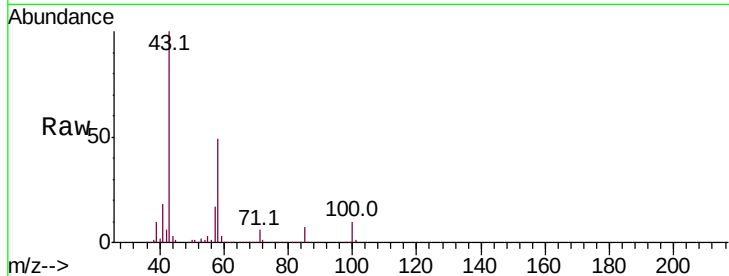
#59
2-Hexanone
Concen: 104.928 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 43 Resp: 142510
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4

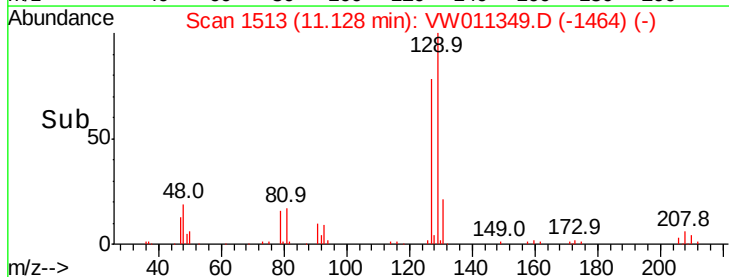
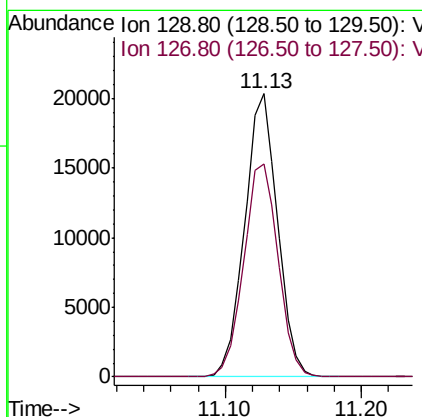
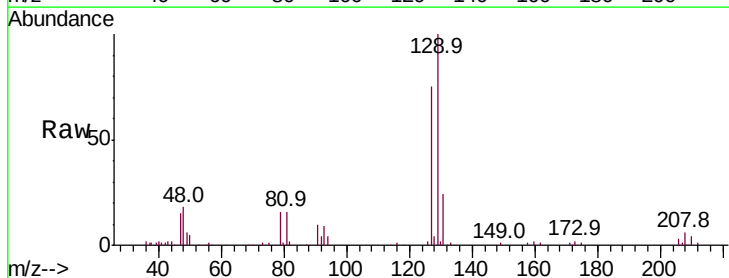
Manual Integrations
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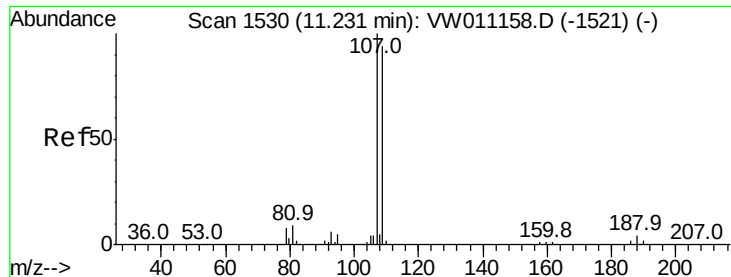
MMDadoda
7/19/2019 9:51:20 AM



#60
Dibromochloromethane
Concen: 19.069 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 129 Resp: 34467
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





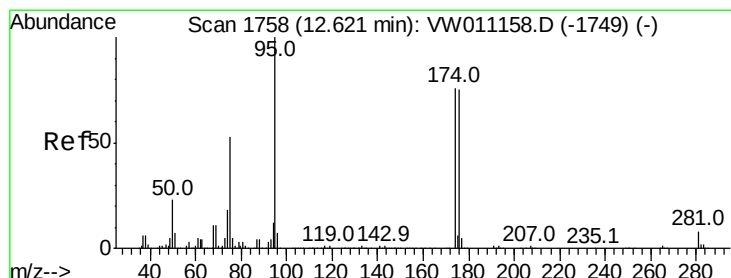
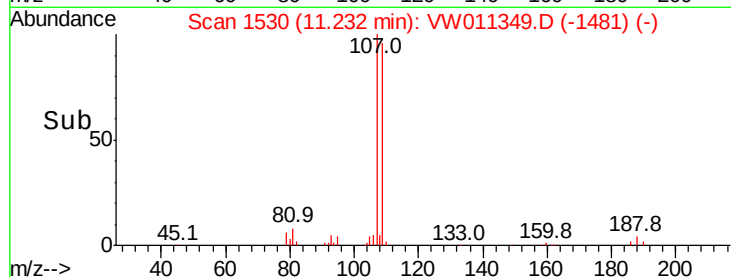
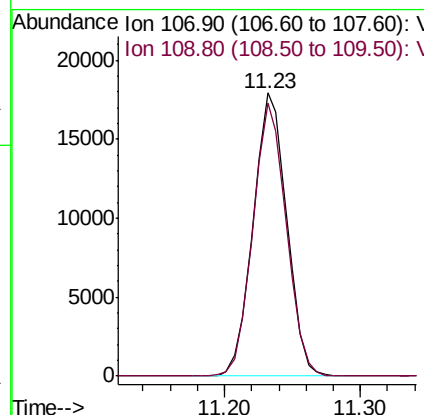
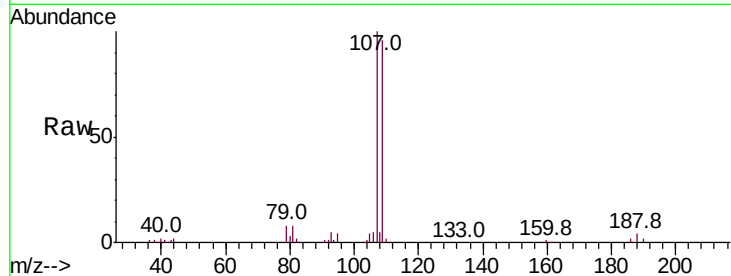
#61
 1,2-Dibromoethane
 Concen: 19.881 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.2	112.8

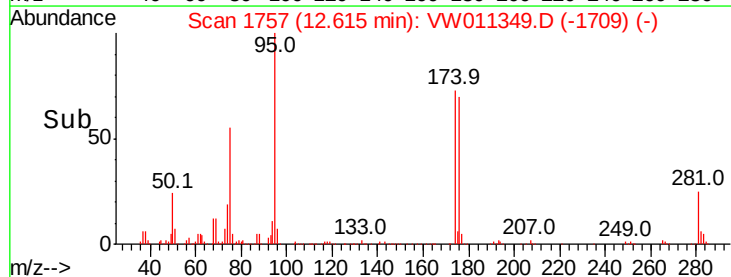
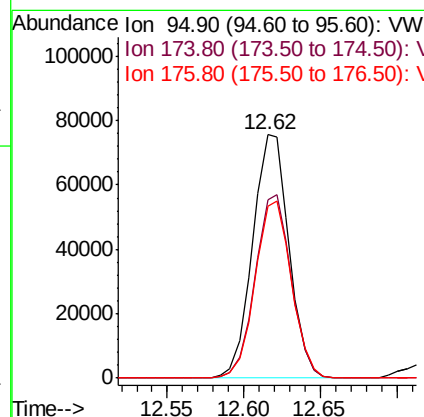
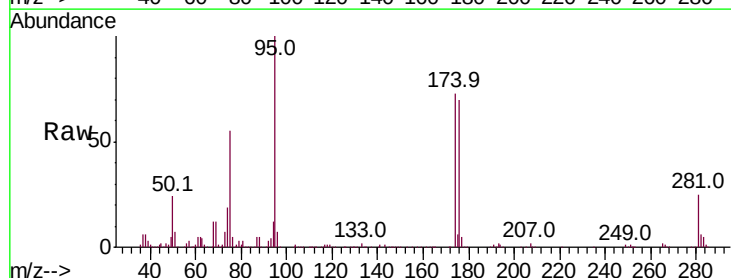
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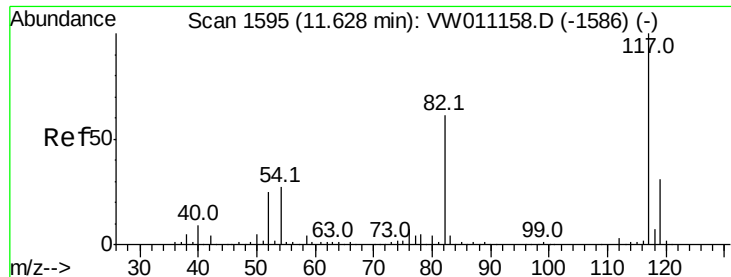
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 45.556 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	147.6
176	72.8	0.0	144.6





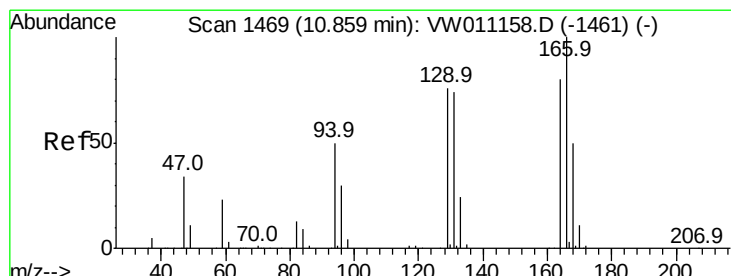
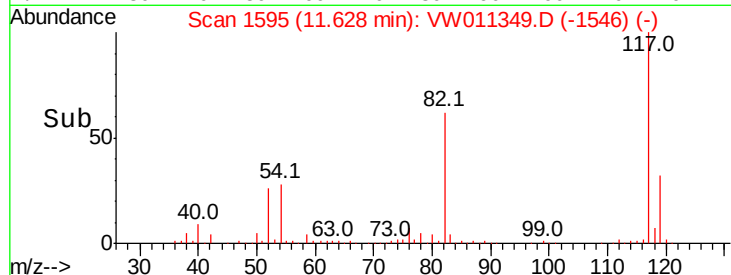
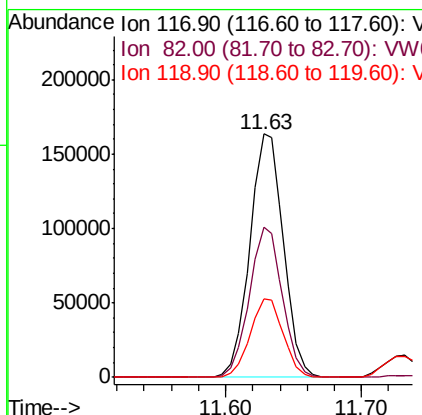
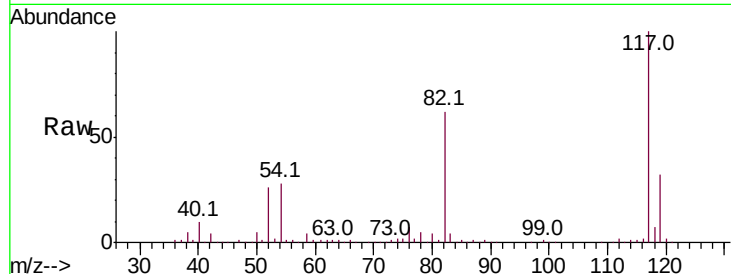
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.9	73.3
119	32.1	25.0	37.6

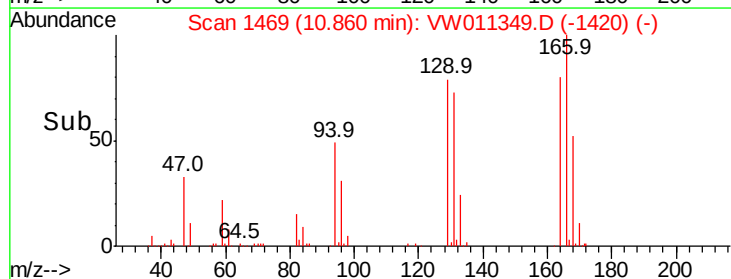
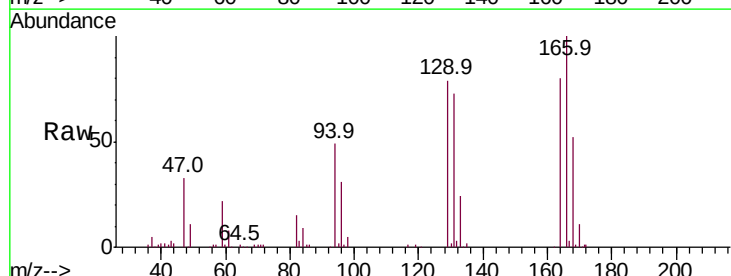
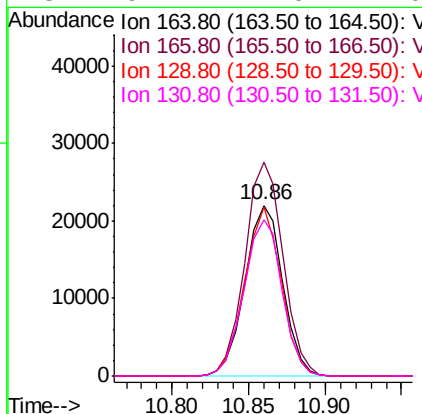
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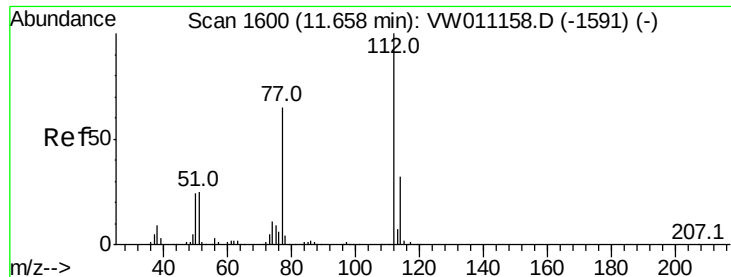
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#64
Tetrachloroethene
Concen: 19.817 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	99.7	149.5
129	98.8	76.2	114.2
131	91.2	74.0	111.0





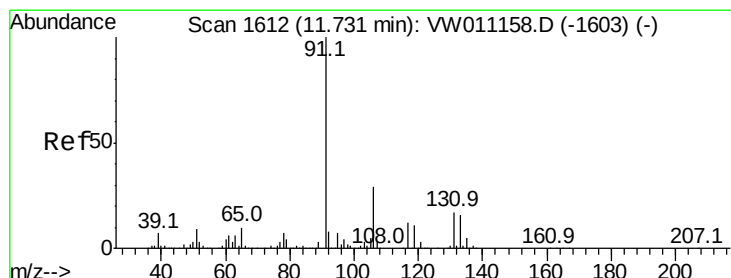
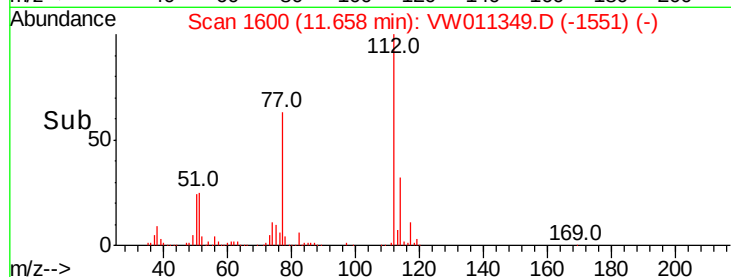
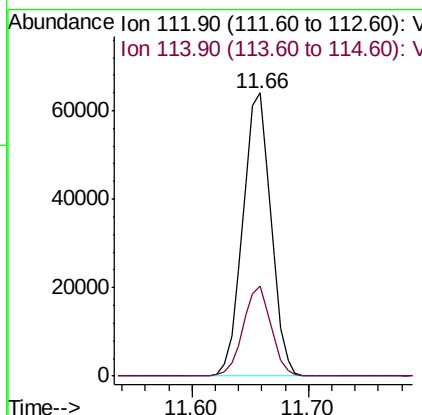
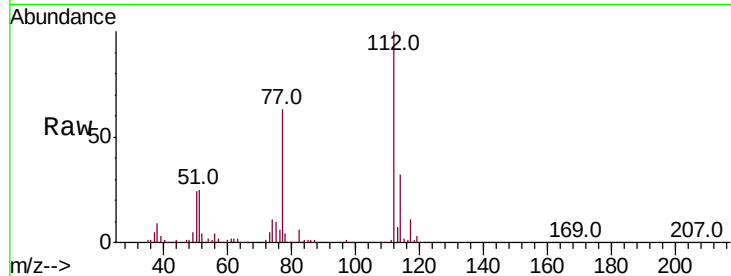
#65
Chlorobenzene
Concen: 18.886 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	108394		
114	32.0	25.5	38.3	

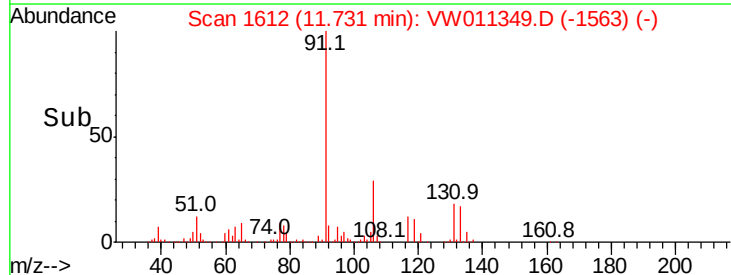
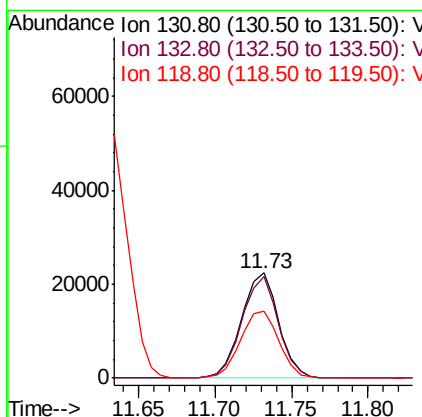
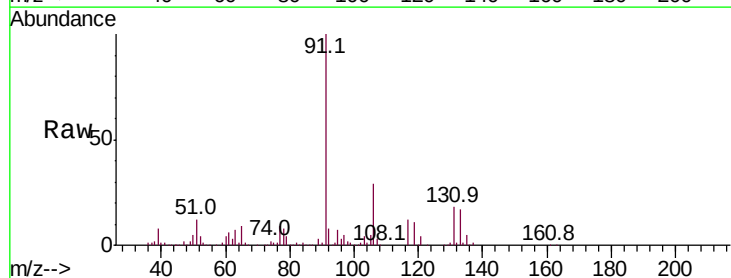
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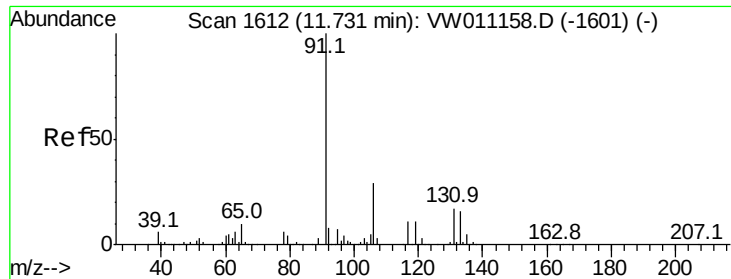
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	37595		
133	95.5	47.9	143.8	
119	66.7	33.1	99.2	





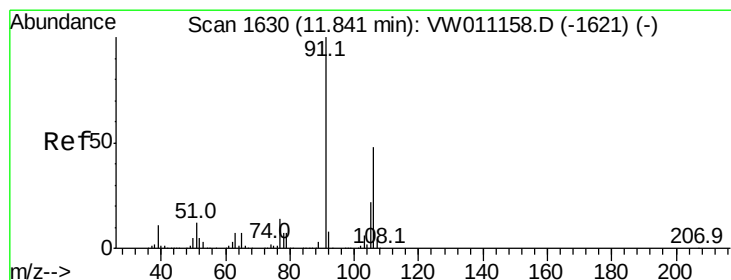
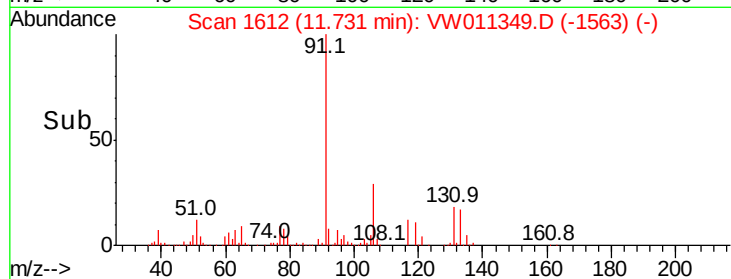
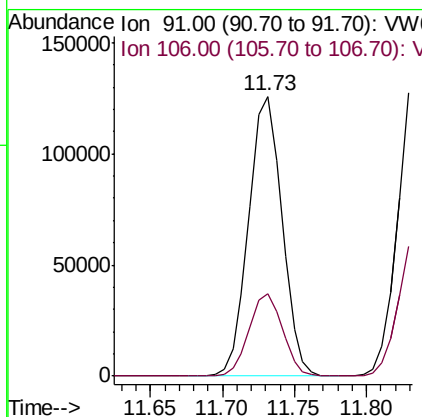
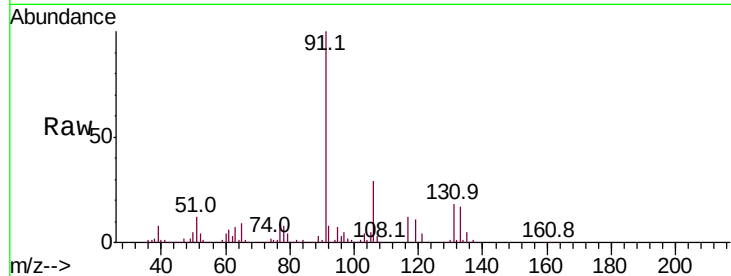
#67
Ethyl Benzene
Concen: 18.396 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.5	35.3

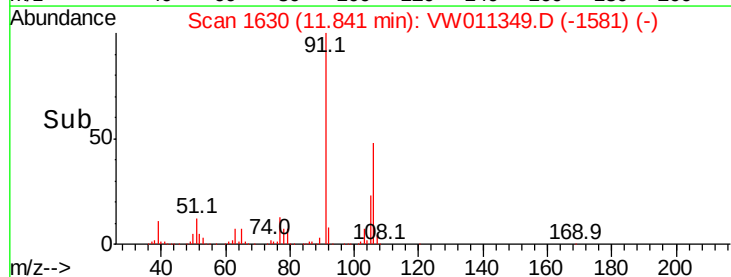
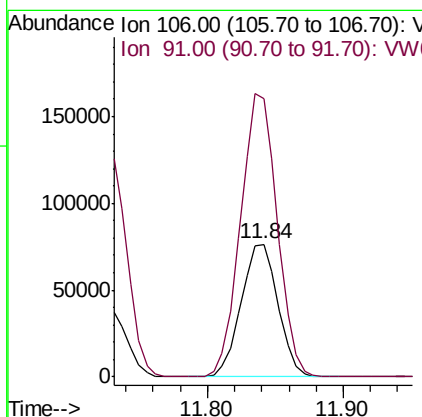
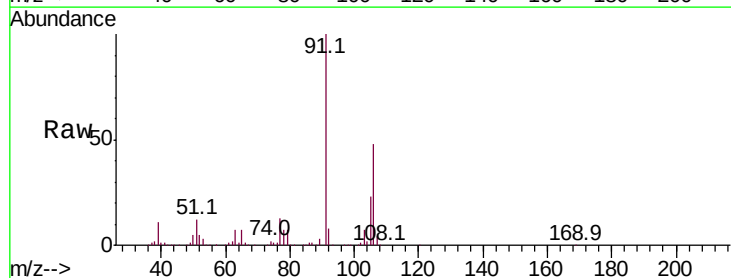
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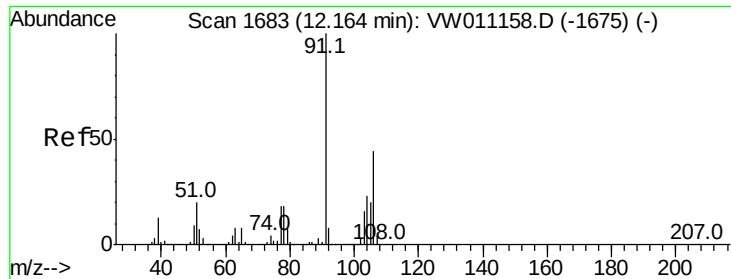
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#68
m/p-Xylenes
Concen: 36.600 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.9	167.7	251.5





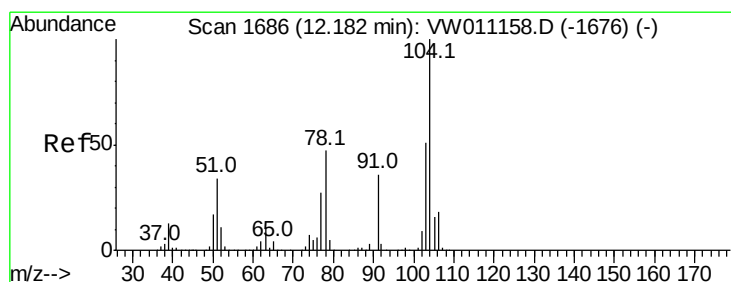
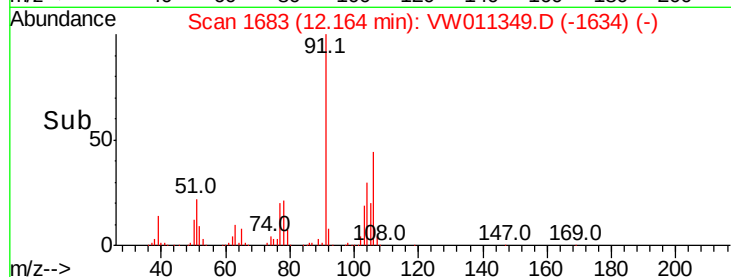
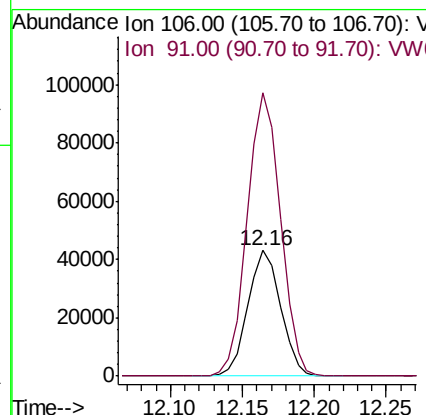
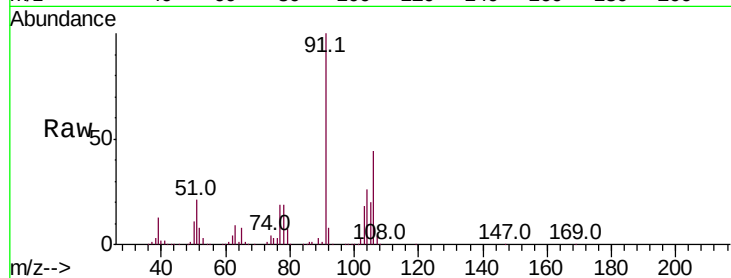
#69
o-Xylene
Concen: 18.120 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion:106 Resp: 67897
Ion Ratio Lower Upper
106 100
91 228.9 110.7 332.1

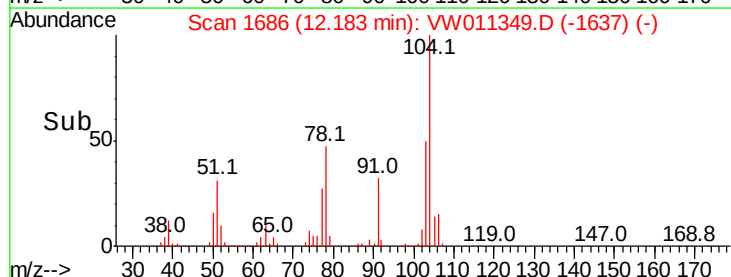
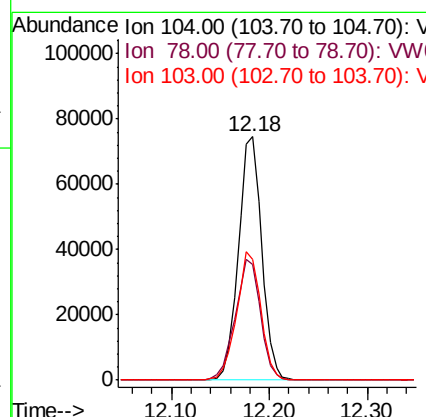
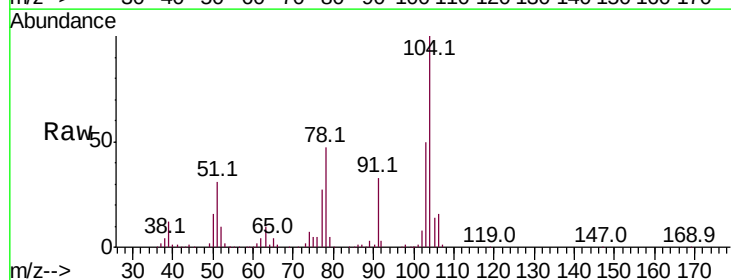
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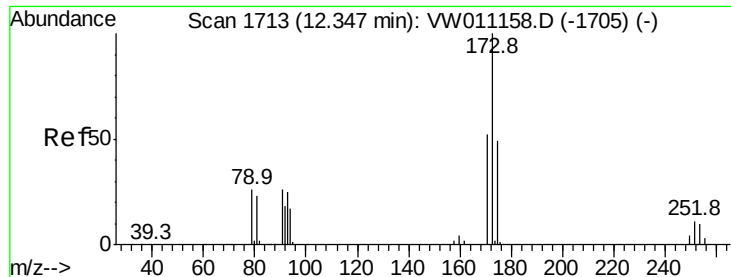
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#70
Styrene
Concen: 19.088 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:104 Resp: 123440
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 54.6 44.1 66.1





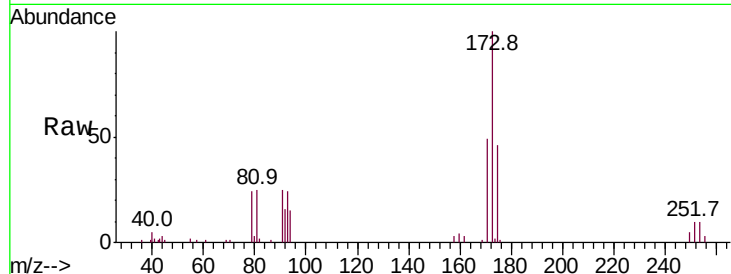
#71
Bromoform
Concen: 18.105 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.8	74.3
254	0.0	0.0	0.0

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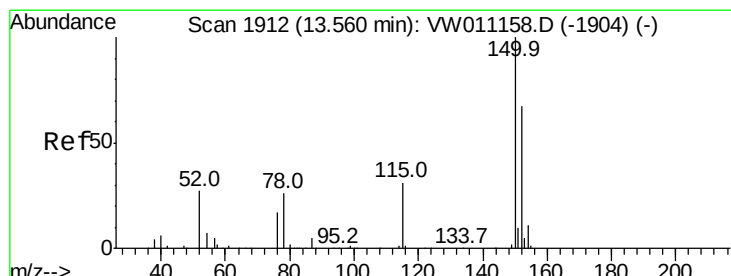
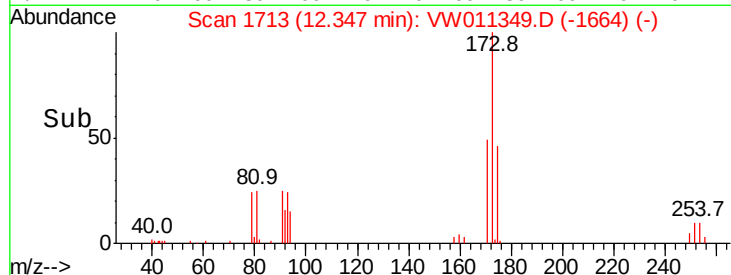
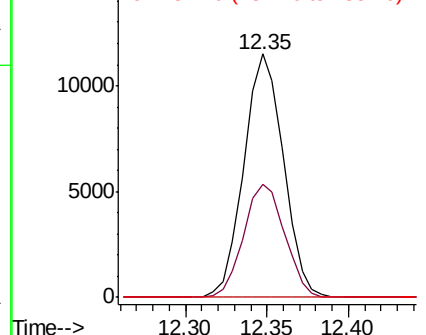


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

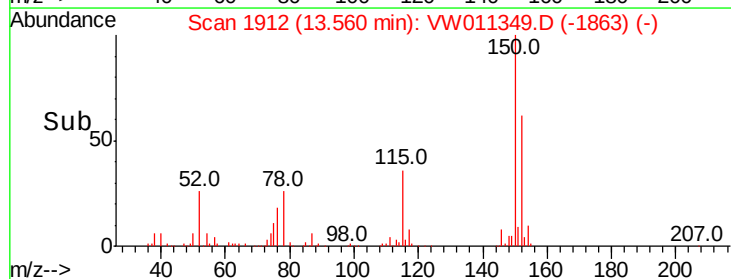
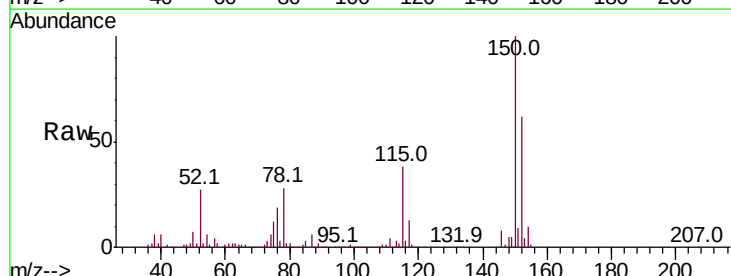
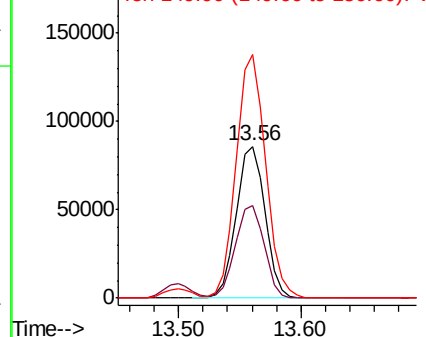
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	164.3	0.0	346.0

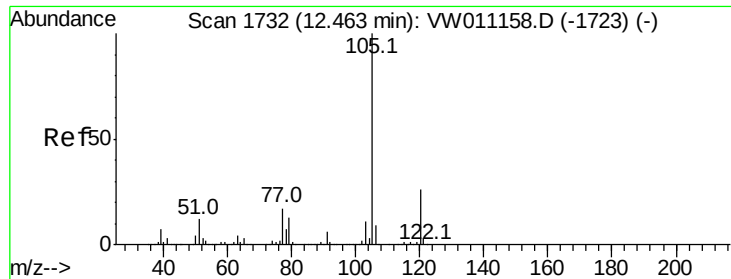
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





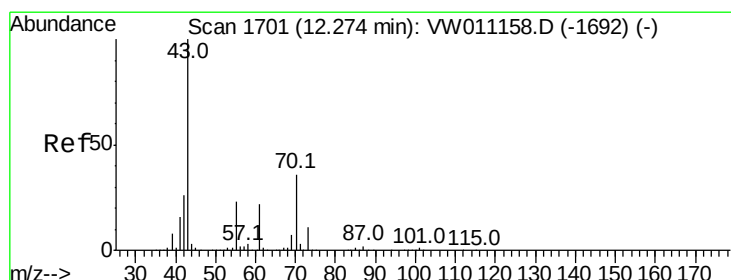
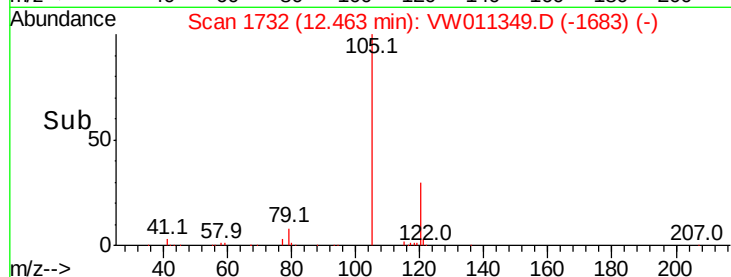
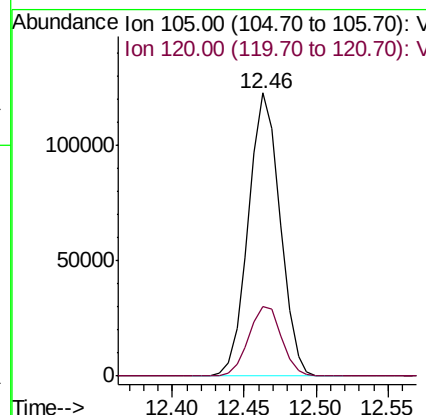
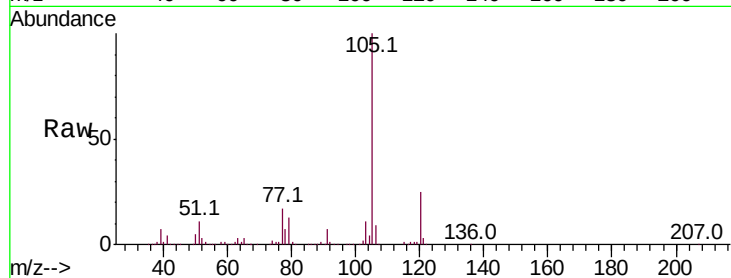
#73
Isopropylbenzene
Concen: 17.926 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3

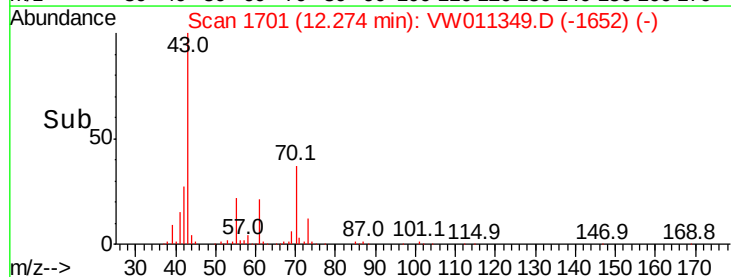
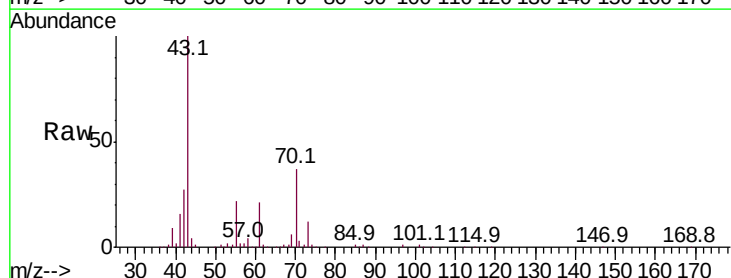
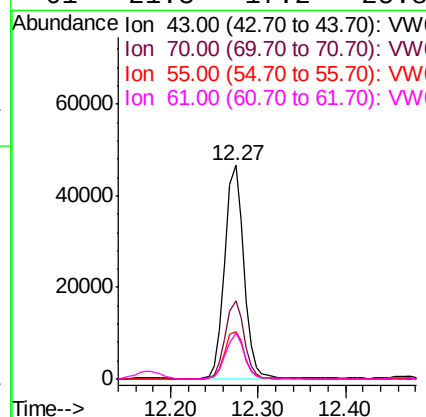
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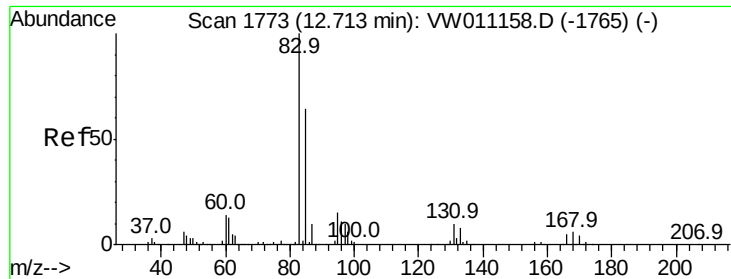
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#74
N-ethyl acetate
Concen: 19.400 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	28.5	42.7
55	23.2	18.1	27.1
61	21.3	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

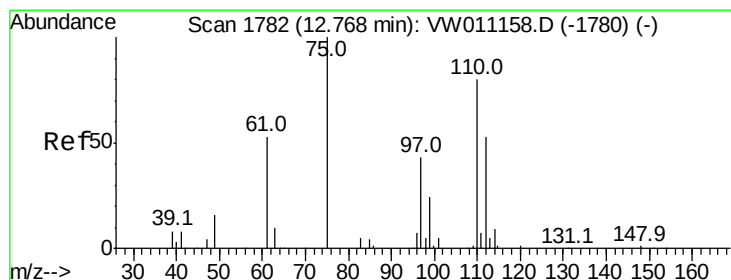
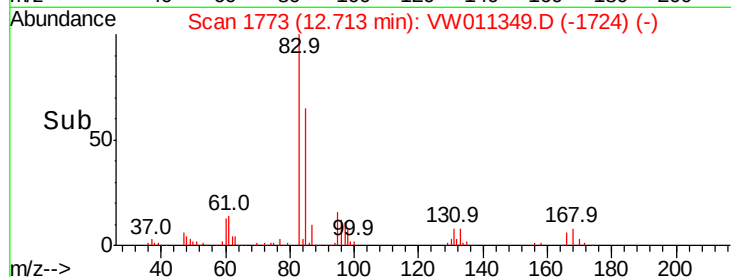
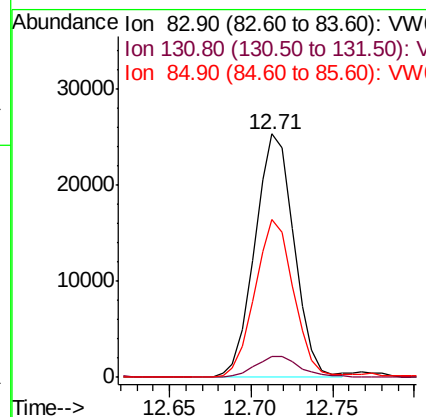
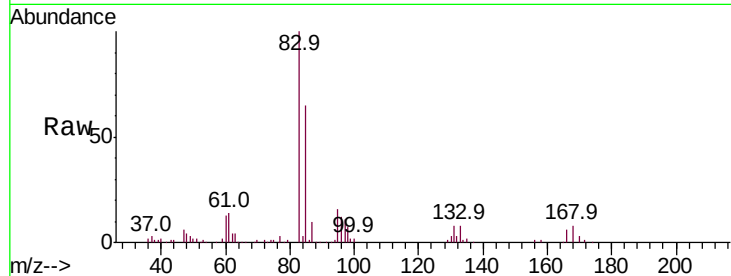
ClientSampleId :

VW0718SBS02

Tot Ion:	83	Resp:	42422
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.9	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 18.880 ug/l m

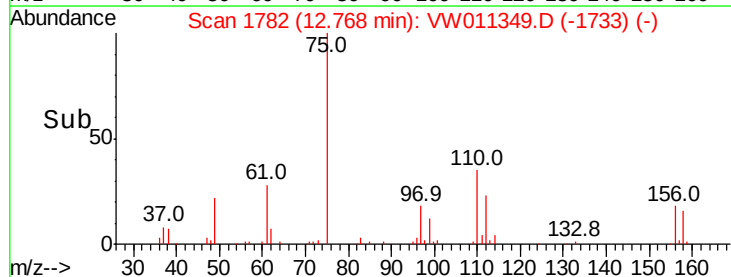
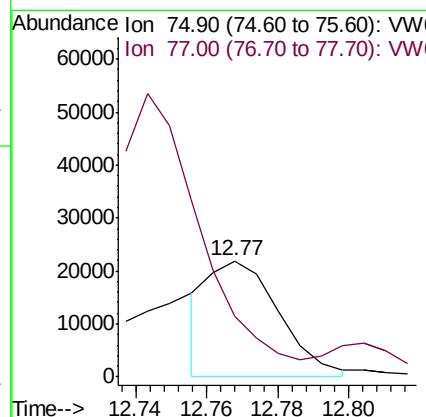
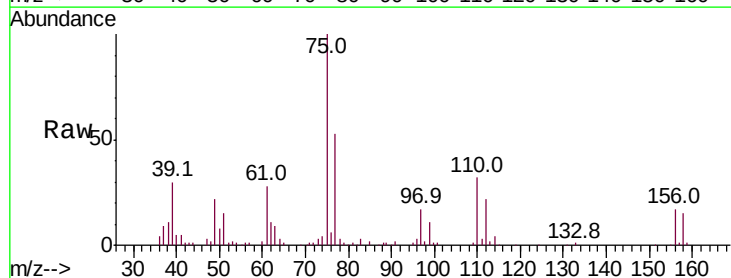
RT: 12.77 min Scan# 1782

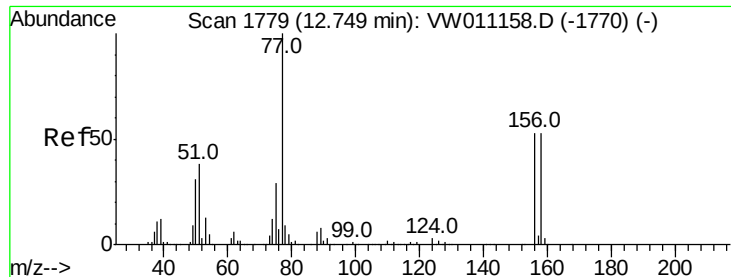
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion:	75	Resp:	30396
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.985 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion:156 Resp: 44371

Ion Ratio Lower Upper

156 100

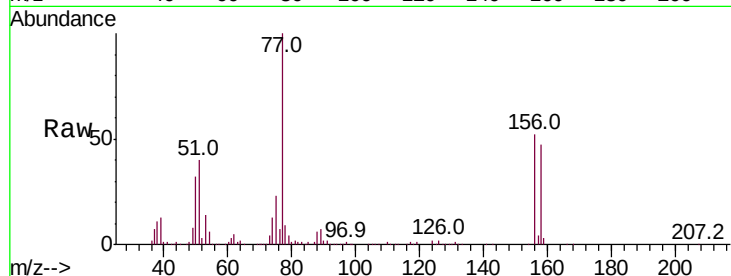
77 216.2 109.0 327.0

158 95.4 48.8 146.3

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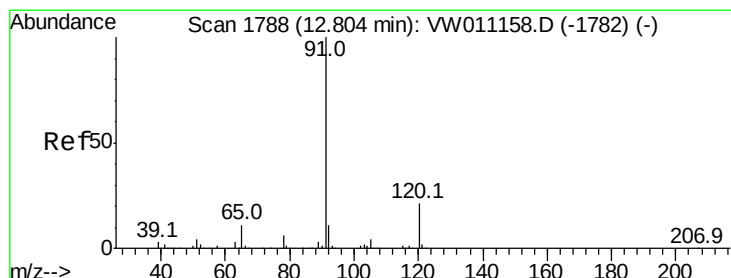
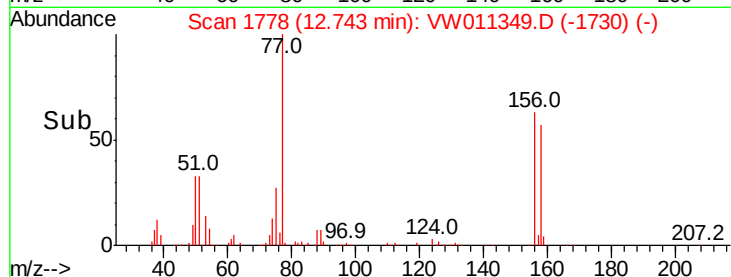
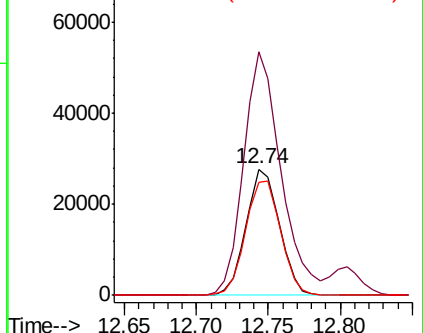
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.991 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011349.D

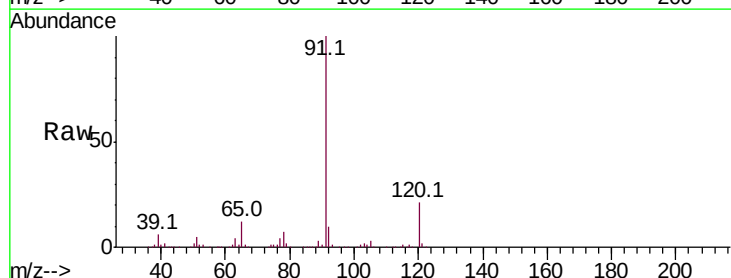
Acq: 18 Jul 2019 23:22

Tgt Ion: 91 Resp: 230811

Ion Ratio Lower Upper

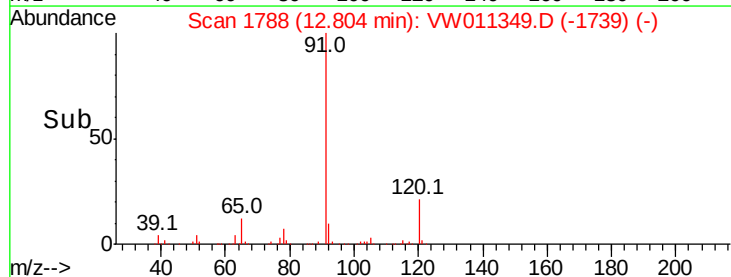
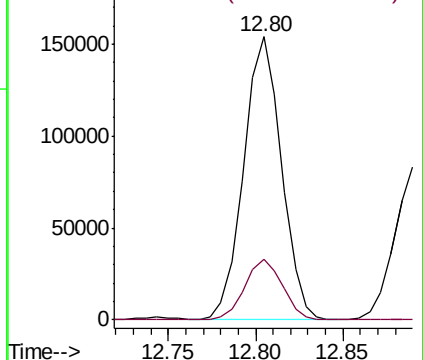
91 100

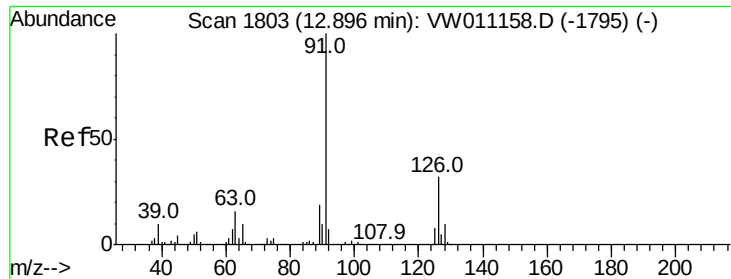
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.386 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 91 Resp: 135733

Ion Ratio Lower Upper

91 100

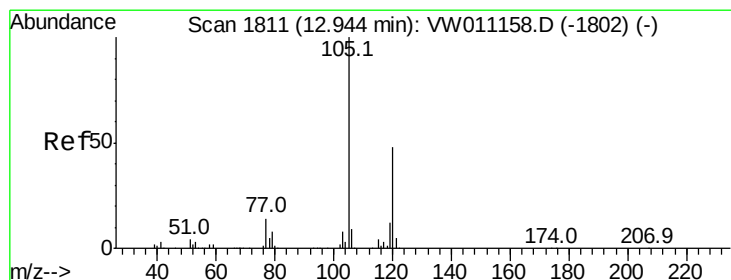
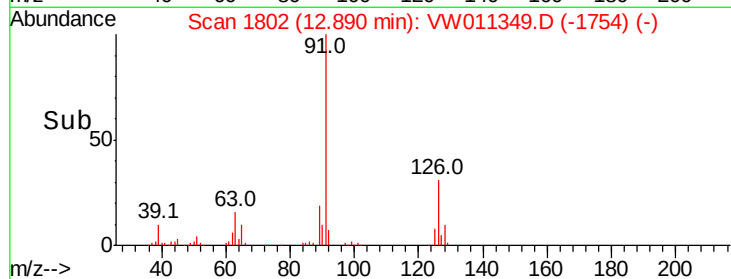
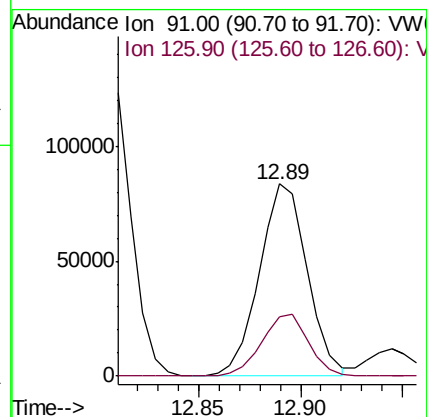
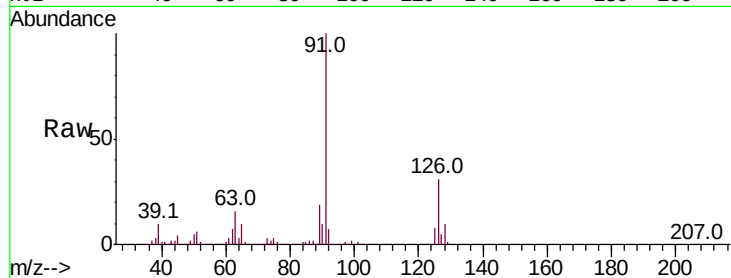
126 31.8 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 18.265 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011349.D

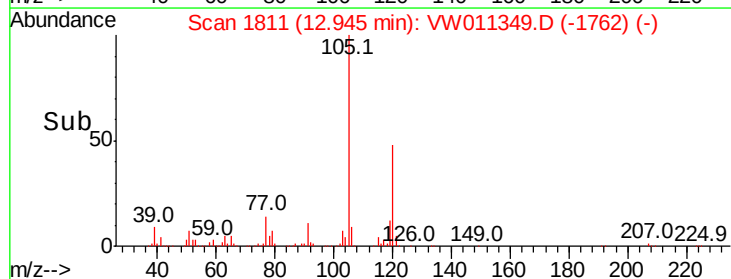
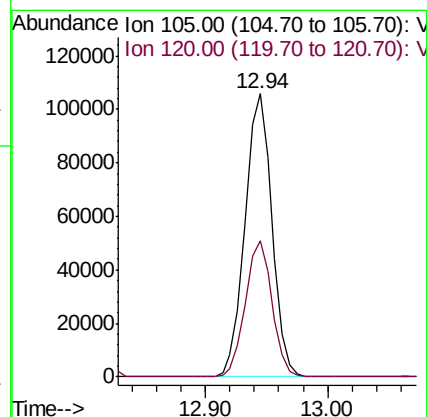
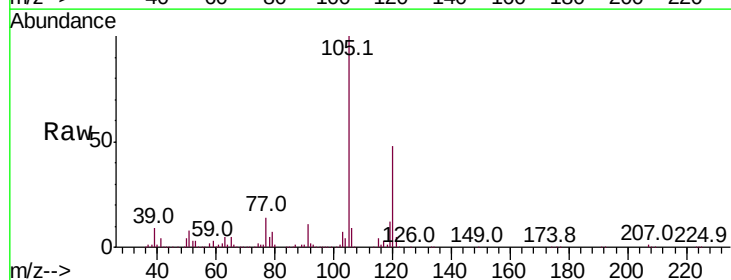
Acq: 18 Jul 2019 23:22

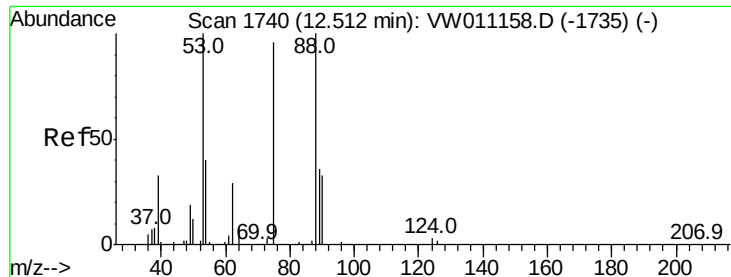
Tgt Ion:105 Resp: 161603

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





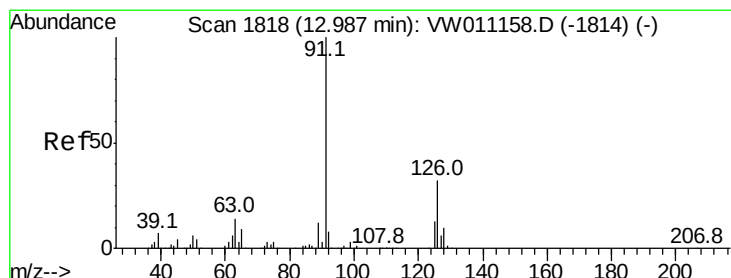
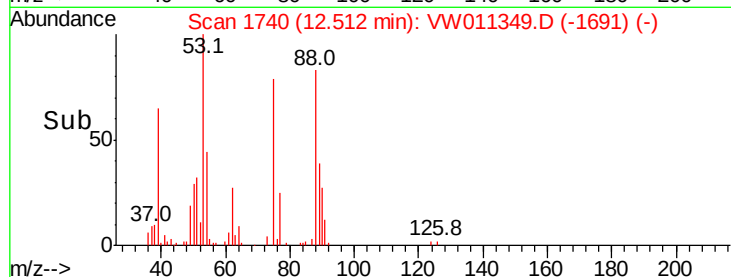
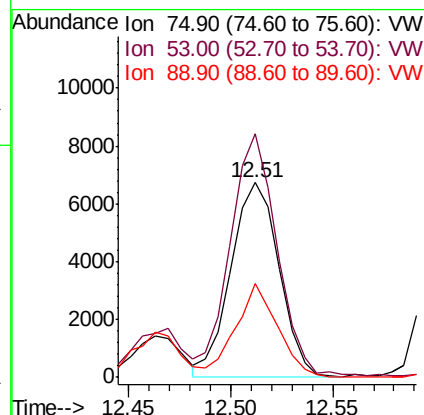
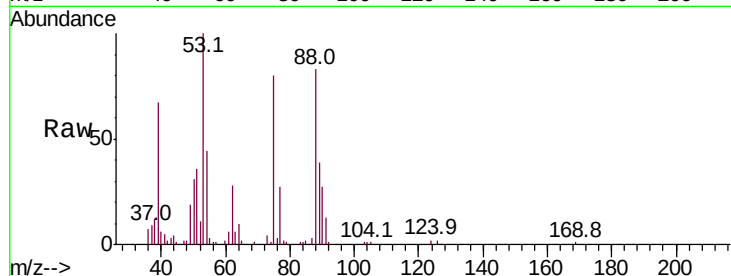
#81
trans-1,4-Dichloro-2-butene
Concen: 15.555 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 75 Resp: 11072
Ion Ratio Lower Upper
75 100
53 119.9 89.8 134.6
89 41.6 34.3 51.5

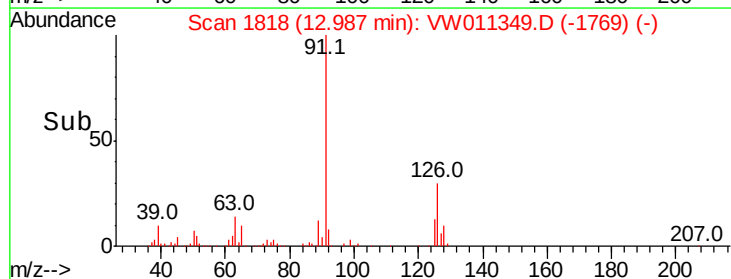
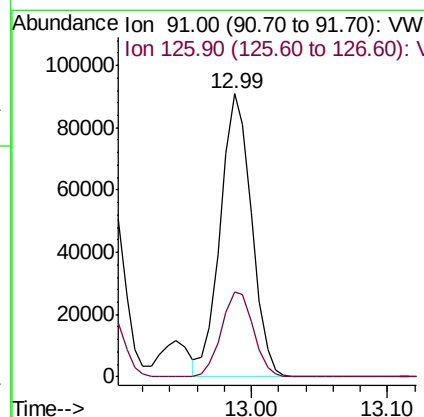
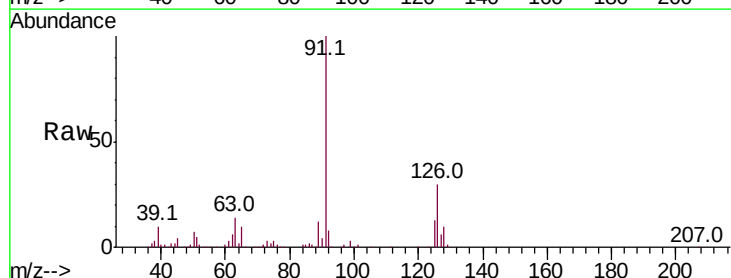
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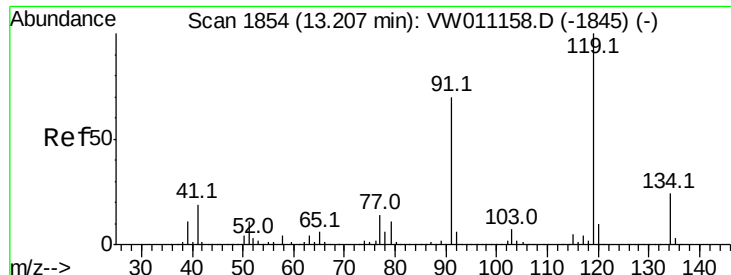
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#82
4-Chlorotoluene
Concen: 18.795 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion: 91 Resp: 144525
Ion Ratio Lower Upper
91 100
126 30.7 15.7 47.1





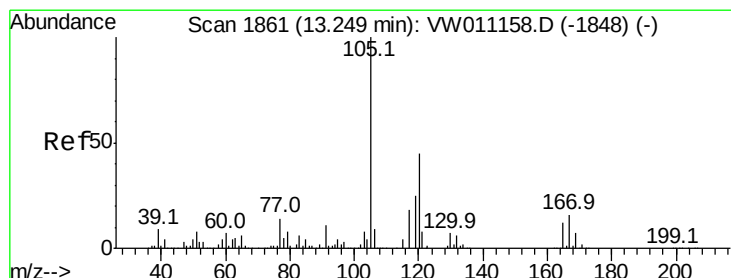
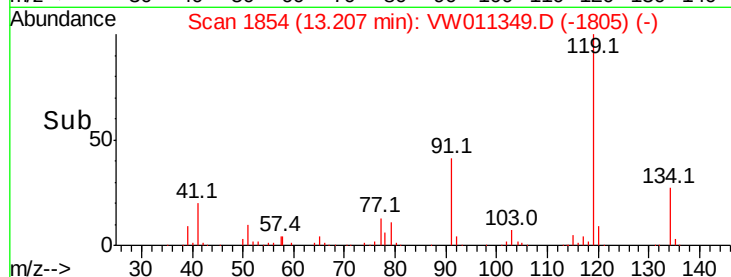
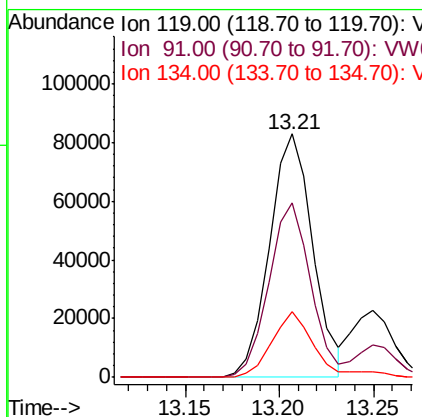
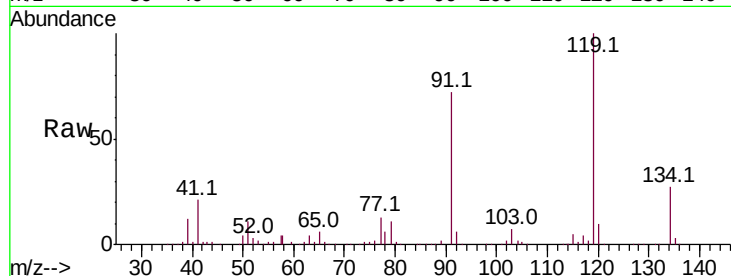
#83
tert-Butylbenzene
Concen: 17.854 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.4	106.3
134	25.3	13.4	40.2

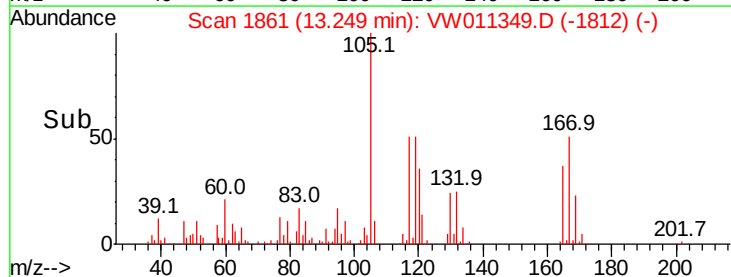
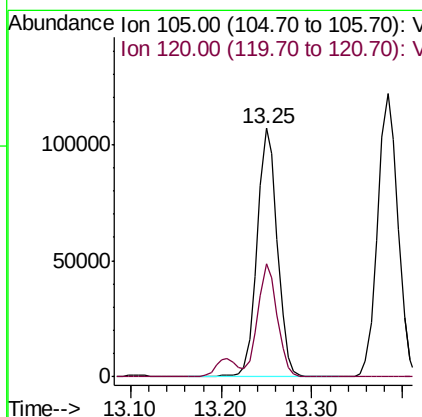
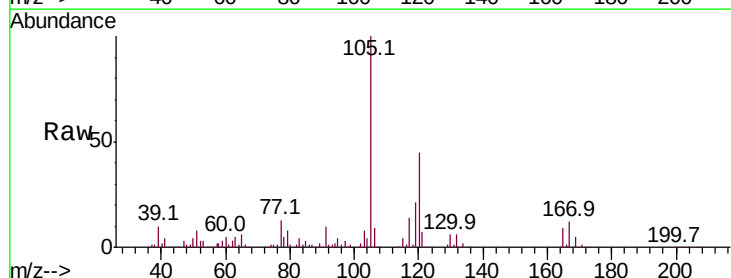
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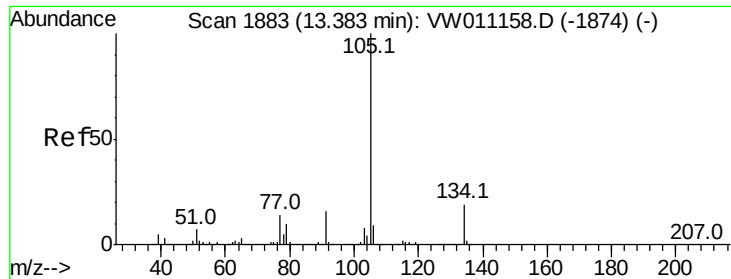
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#84
1,2,4-Trimethylbenzene
Concen: 18.607 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.9





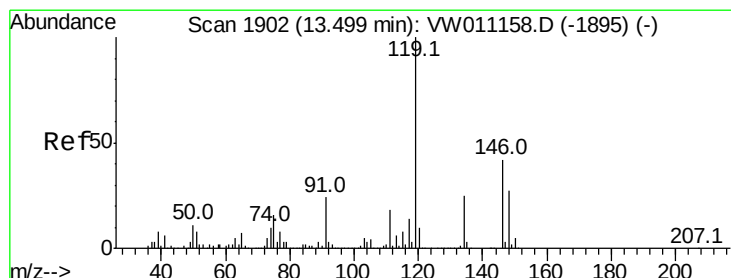
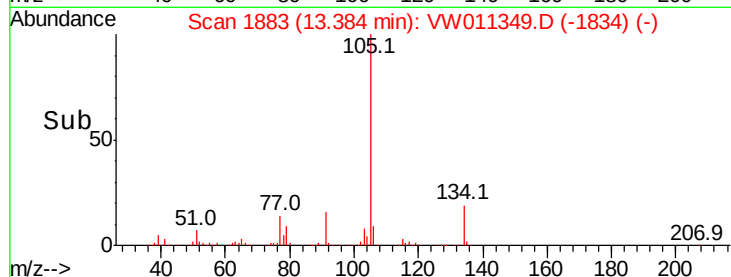
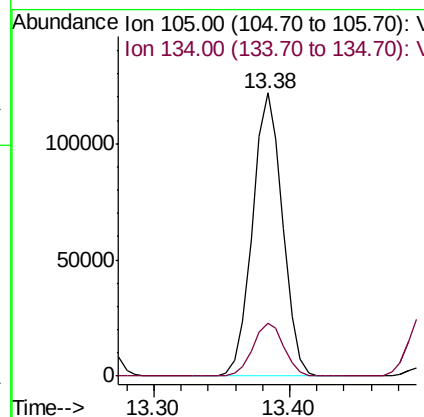
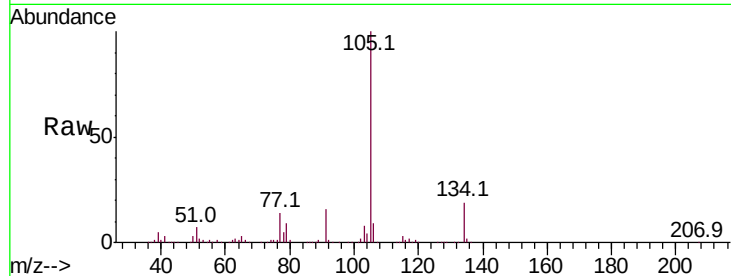
#85
 sec-Butylbenzene
 Concen: 17.746 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	188948		
134	19.2	9.7	28.9	

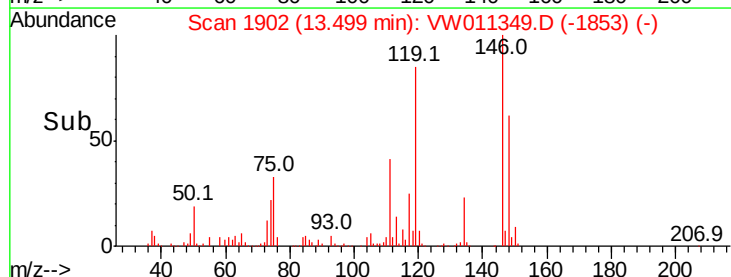
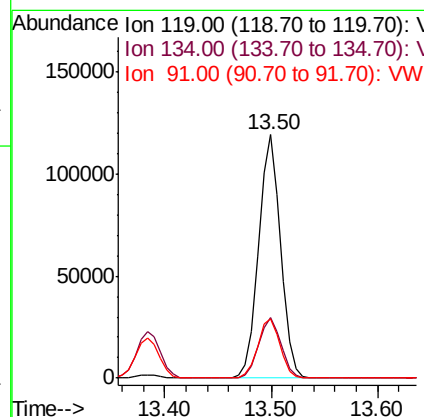
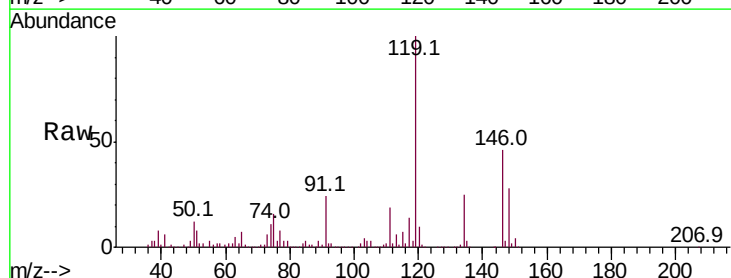
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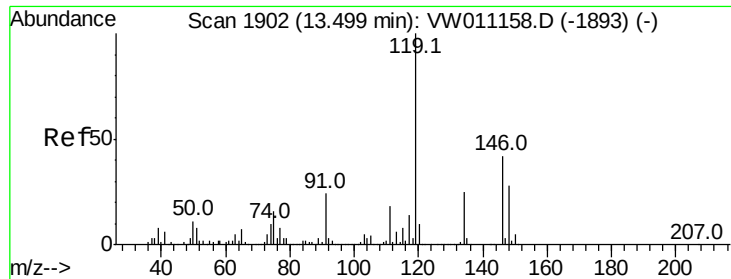
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#86
 p-Isopropyltoluene
 Concen: 18.047 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	172344		
134	25.6	12.9	38.6	
91	25.0	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 19.148 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

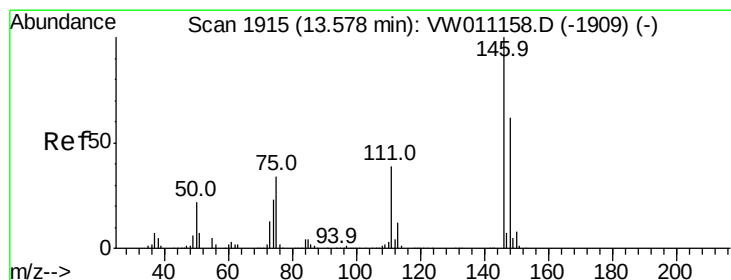
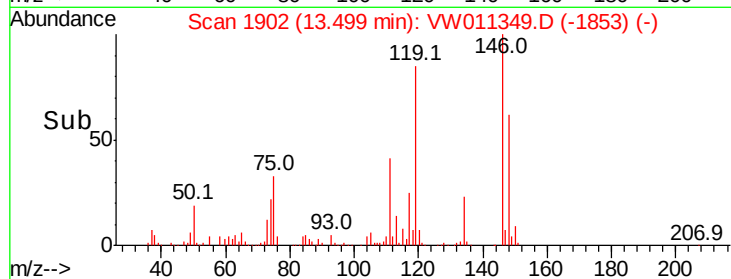
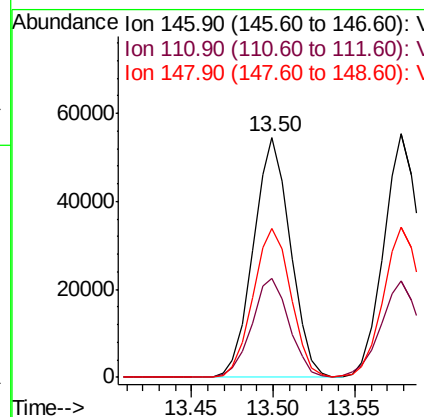
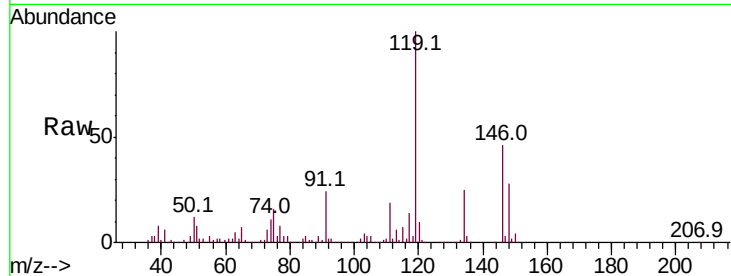
Instrument :
MSVOA_W

ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	63.4	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 18.958 ug/l

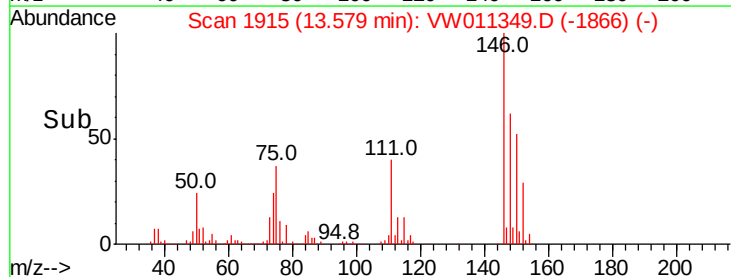
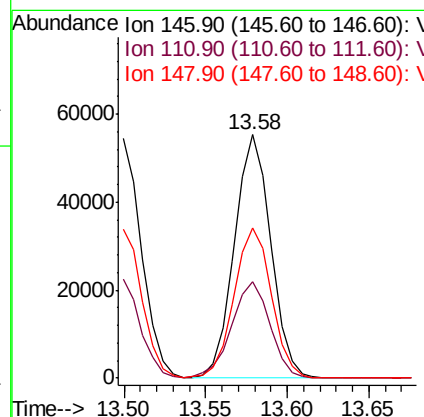
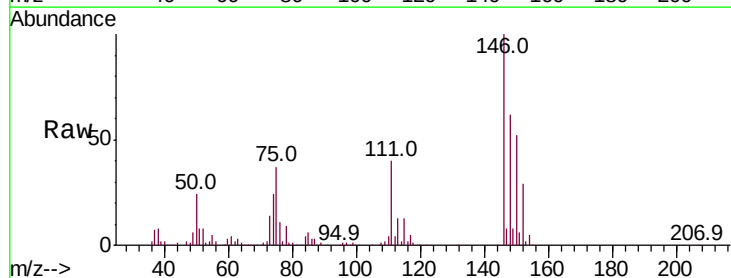
RT: 13.58 min Scan# 1915

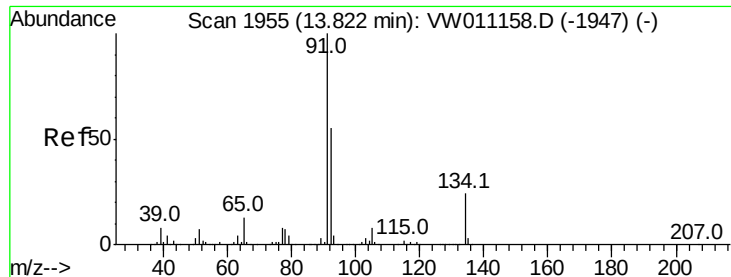
Delta R.T. 0.00 min

Lab File: VW011349.D

Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.7
148	63.8	31.5	94.5





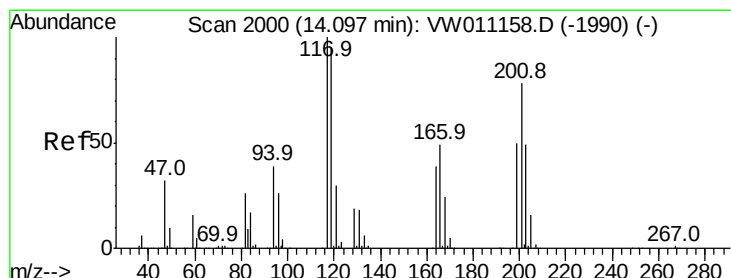
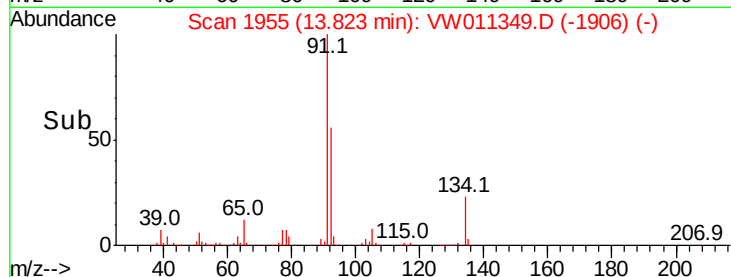
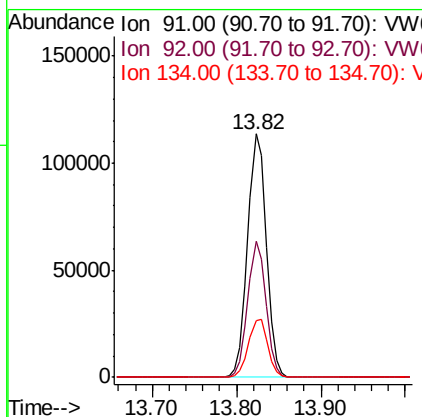
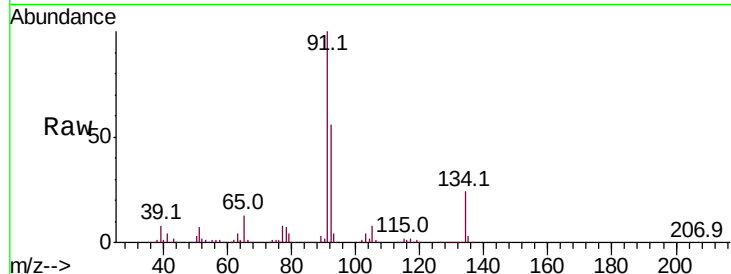
#89
n-Butylbenzene
Concen: 17.676 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	26.9	80.7	
134	24.6	12.2	36.4	

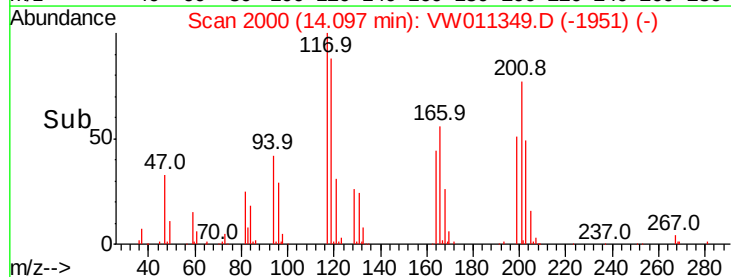
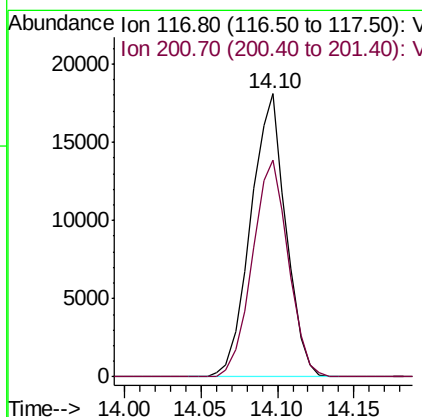
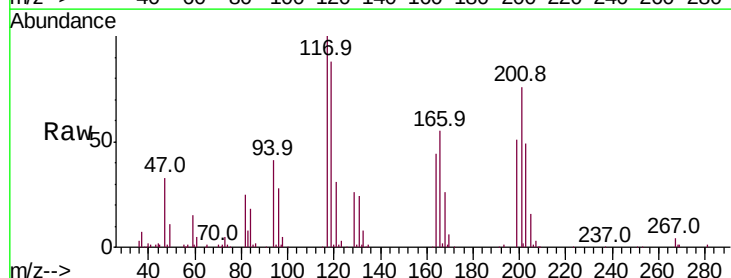
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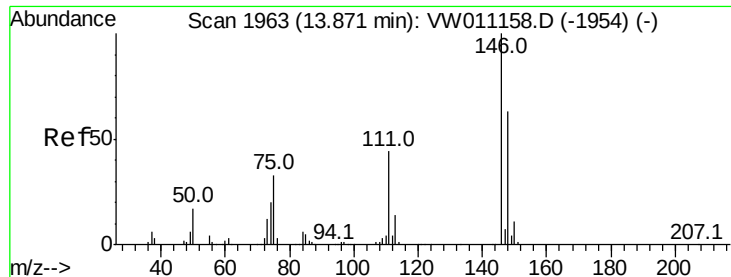
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#90
Hexachloroethane
Concen: 16.573 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.0	38.3	114.8	





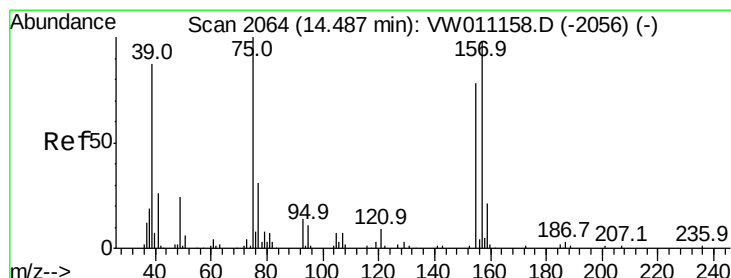
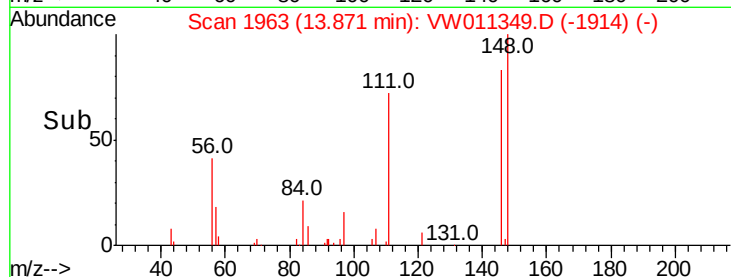
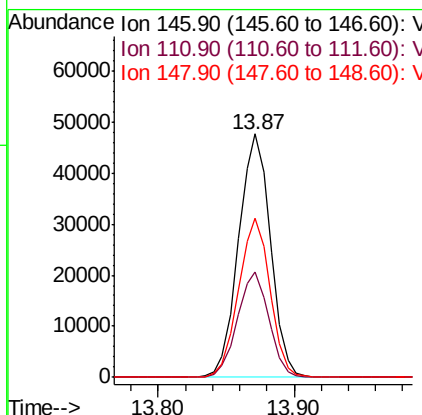
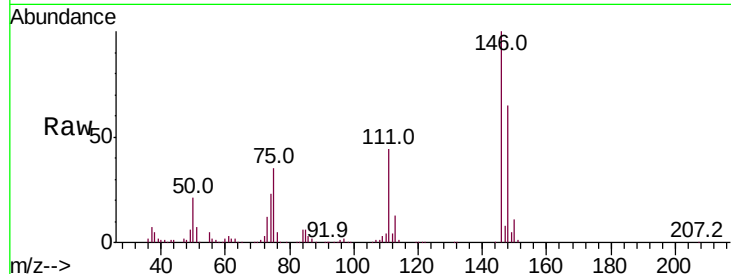
#91
 1,2-Dichlorobenzene
 Concen: 19.119 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	64.3	31.9	95.5

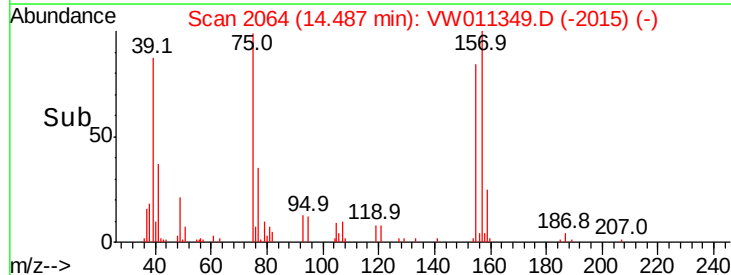
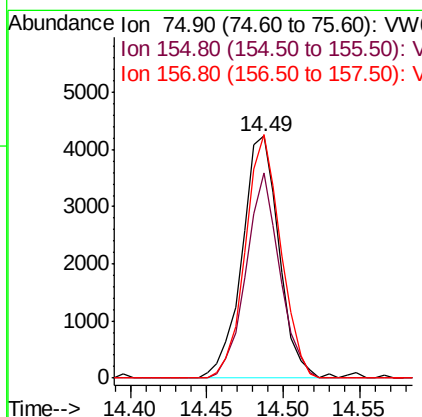
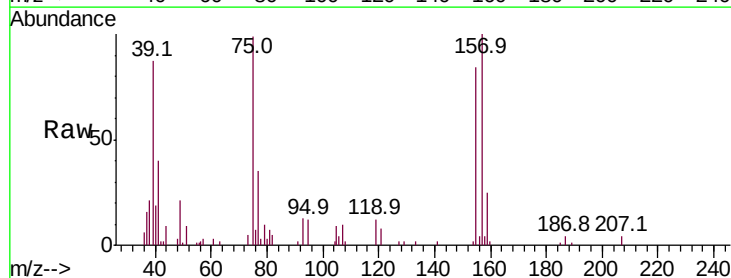
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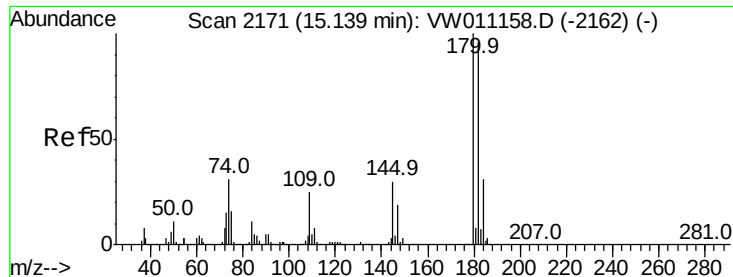
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.813 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	37.1	111.3
157	95.5	48.5	145.6





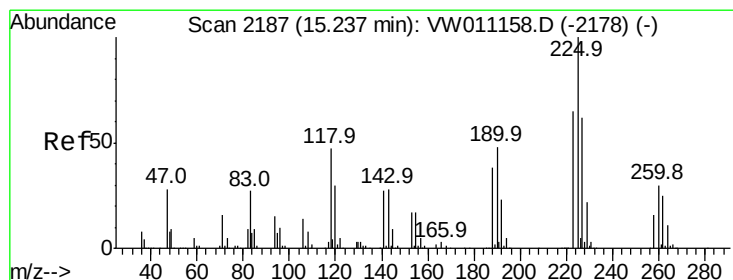
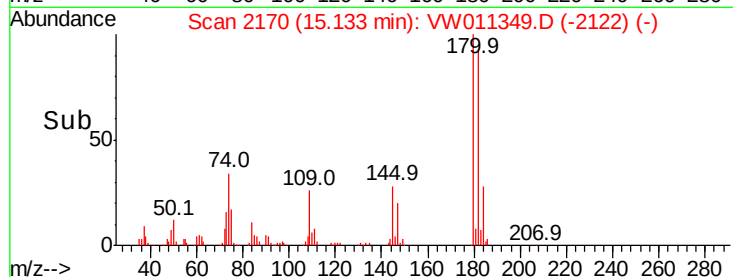
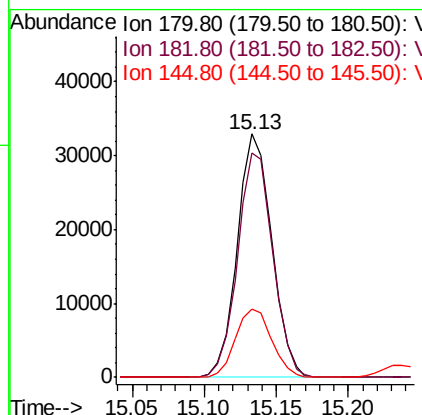
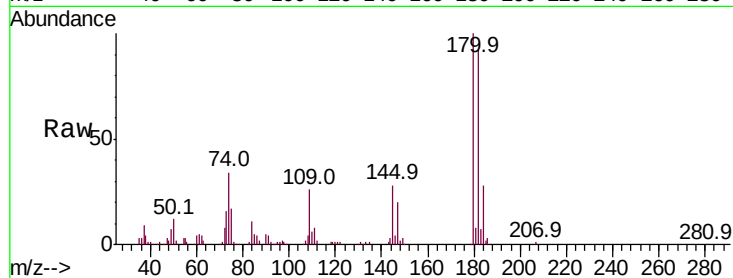
#93
 1,2,4-Trichlorobenzene
 Concen: 19.496 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	48.3	144.9	
145	29.7	15.5	46.5	

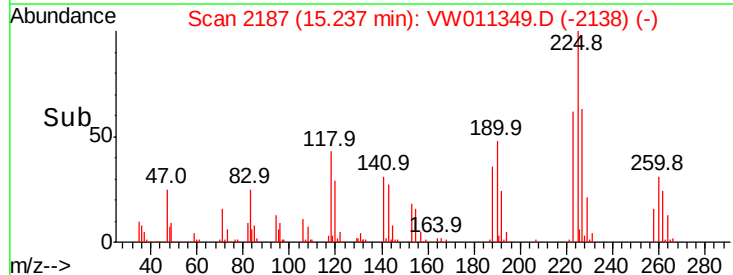
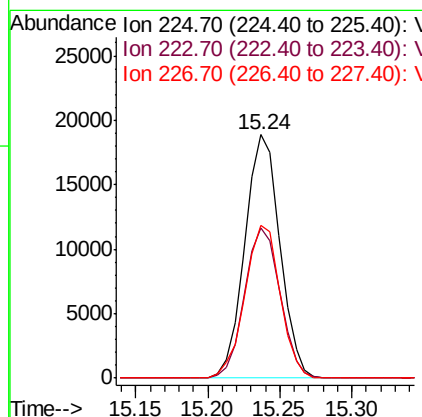
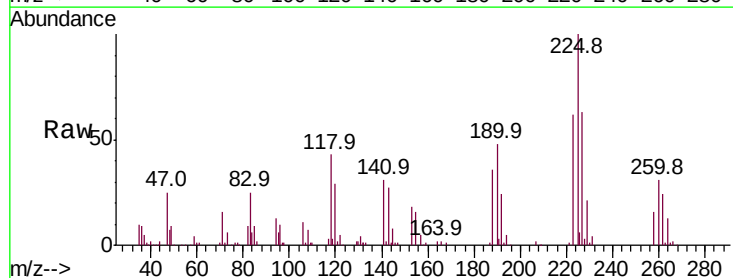
Manual Integrations
 APPROVED

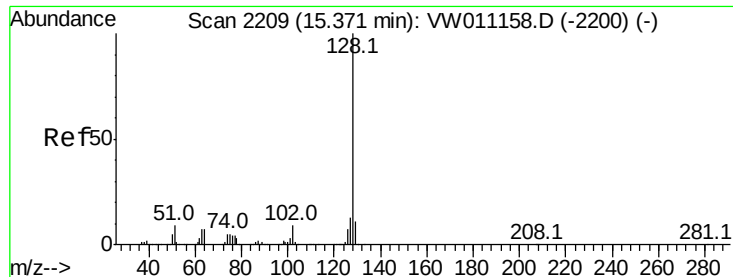
MMDadoda
 7/19/2019 9:51:20 AM



#94
 Hexachlorobutadiene
 Concen: 18.402 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011349.D
 Acq: 18 Jul 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	95.0	
227	63.3	32.0	96.0	





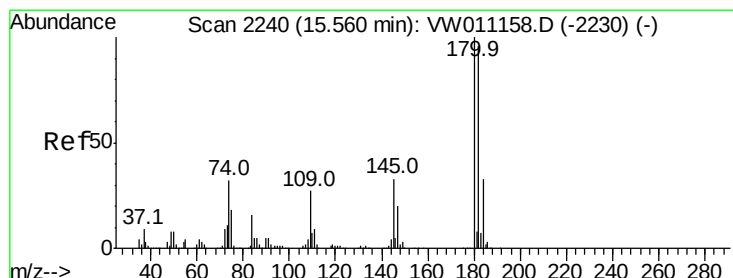
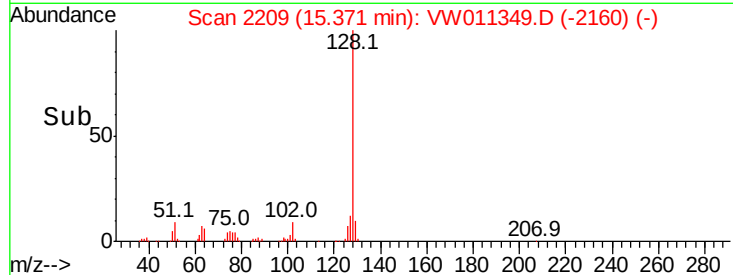
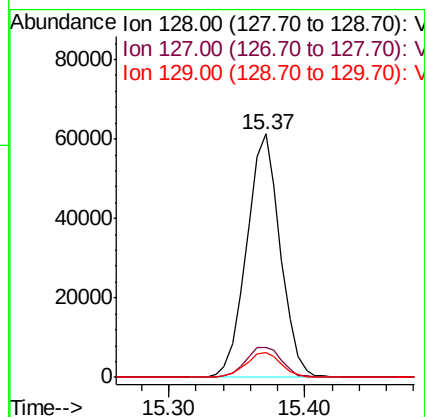
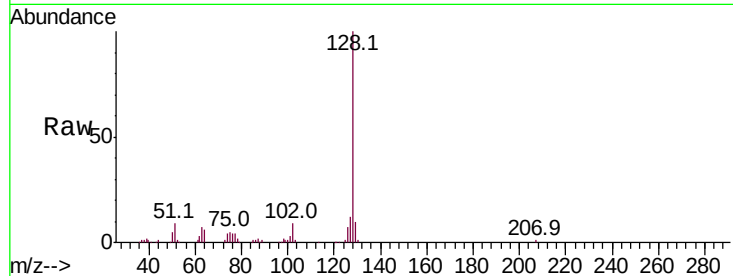
#95
Naphthalene
Concen: 19.646 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion:	128	Resp:	105785
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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7/19/2019 9:51:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.641 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011349.D
Acq: 18 Jul 2019 23:22

Tgt Ion:	180	Resp:	48707
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.6	142.8
145	32.0	16.5	49.5

