

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011350.D
 Acq On : 18 Jul 2019 23:50
 Operator : SY/VA
 Sample : VW0718SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:25 AM

Quant Time: Jul 19 08:06:36 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	174432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	114268	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.88	113	88532	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.32	98	355518	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	132261	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	29017	22.305	ug/l	97
3) Chloromethane	2.21	50	39641	23.648	ug/l	98
4) Vinyl Chloride	2.35	62	45944	20.940	ug/l	99
5) Bromomethane	2.76	94	23477	21.294	ug/l	99
6) Chloroethane	2.91	64	24592	20.809	ug/l	99
7) Trichlorofluoromethane	3.24	101	13246	16.994	ug/l	97
8) Diethyl Ether	3.67	74	24679	22.883	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38629	20.691	ug/l	99
10) Methyl Iodide	4.26	142	56030	21.820	ug/l	99
11) Tert butyl alcohol	5.16	59	24072	148.342	ug/l	95
12) 1,1-Dichloroethene	4.03	96	40246	20.769	ug/l	94
13) Acrolein	3.89	56	9388	72.653	ug/l	93
14) Allyl chloride	4.66	41	70418	19.928	ug/l	97
15) Acrylonitrile	5.36	53	65153	118.621	ug/l	99
16) Acetone	4.12	43	63035	119.526	ug/l	97
17) Carbon Disulfide	4.38	76	111849	19.039	ug/l	99
18) Methyl Acetate	4.67	43	49528	32.531	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	68952	23.451	ug/l	96
20) Methylene Chloride	4.92	84	56434	27.126	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	44034	21.869	ug/l	95
22) Diisopropyl ether	6.31	45	174828	23.003	ug/l	100
23) Vinyl Acetate	6.25	43	491067	104.405	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89898	22.526	ug/l	99
25) 2-Butanone	7.16	43	104367	126.072	ug/l	97
26) 2,2-Dichloropropane	7.16	77	44197	21.305	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	49316	22.705	ug/l	97
28) Bromochloromethane	7.51	49	40650	22.401	ug/l #	99
29) Tetrahydrofuran	7.52	42	66885	123.218	ug/l	98
30) Chloroform	7.67	83	83231	22.519	ug/l	98
31) Cyclohexane	7.95	56	85995	20.254	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	59552	21.181	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63966	20.200	ug/l	98
37) Ethyl Acetate	7.25	43	44657	23.472	ug/l	99
38) Carbon Tetrachloride	8.07	117	53869	20.068	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	75198	19.593	ug/l	98
40) Benzene	8.32	78	191420	21.874	ug/l	98
41) Methacrylonitrile	7.48	41	24438	22.459	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63584	22.398	ug/l	100
43) Isopropyl Acetate	8.42	43	81647	22.730	ug/l	100
44) Trichloroethene	9.09	130	44937	21.339	ug/l	99
45) 1,2-Dichloropropane	9.37	63	52892	22.319	ug/l	97
46) Dibromomethane	9.46	93	24983	22.442	ug/l	99
47) Bromodichloromethane	9.64	83	60855	21.365	ug/l	100
48) Methyl methacrylate	9.43	41	38665	22.374	ug/l	96
49) 1,4-Dioxane	9.45	88	9214	495.874	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	224172	119.471	ug/l	100
52) Toluene	10.38	92	115633	21.782	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61645	20.332	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	72696	20.371	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35905	22.735	ug/l	96
56) Ethyl methacrylate	10.65	69	53897	22.416	ug/l	99
57) 1,3-Dichloropropane	10.93	76	67855	22.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	105738	94.860	ug/l	100
59) 2-Hexanone	10.97	43	150339	115.533	ug/l	99
60) Dibromochloromethane	11.13	129	37025	21.380	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33956	22.699	ug/l	100
64) Tetrachloroethene	10.86	164	41582	22.914	ug/l	96
65) Chlorobenzene	11.66	112	118225	21.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	41604	21.611	ug/l	99
67) Ethyl Benzene	11.73	91	219076	20.930	ug/l	98
68) m/p-Xylenes	11.84	106	160025	42.252	ug/l	100
69) o-Xylene	12.16	106	74869	20.974	ug/l	99
70) Styrene	12.18	104	133651	21.694	ug/l	99
71) Bromoform	12.35	173	21126	20.640	ug/l #	99
73) Isopropylbenzene	12.46	105	204872	20.586	ug/l	100
74) N-amyl acetate	12.27	43	73149	21.105	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44655	21.890	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31541m	20.502	ug/l	
77) Bromobenzene	12.74	156	48503	21.717	ug/l	98
78) n-propylbenzene	12.80	91	251621	20.525	ug/l	100
79) 2-Chlorotoluene	12.89	91	146975	20.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	177896	21.041	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12371	18.188	ug/l	99
82) 4-Chlorotoluene	12.99	91	156423	21.288	ug/l	100
83) tert-Butylbenzene	13.21	119	145286	20.605	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	178248	20.997	ug/l	100
85) sec-Butylbenzene	13.38	105	209804	20.621	ug/l	100
86) p-Isopropyltoluene	13.50	119	186509	20.438	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	93402	21.737	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	92909	21.472	ug/l	98
89) n-Butylbenzene	13.82	91	183258	20.131	ug/l	99
90) Hexachloroethane	14.10	117	32767	19.650	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	84595	21.701	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7386	20.412	ug/l	95

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ClientSampleId :
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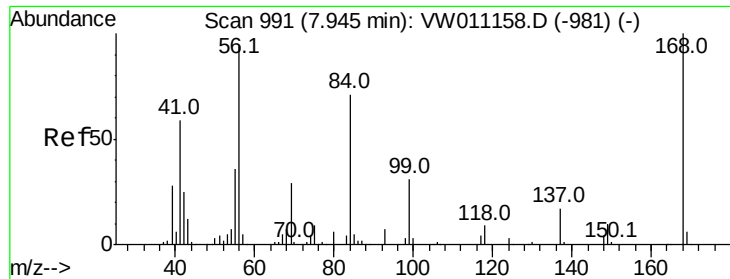
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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57347	21.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	34909	21.177	ug/l	98
95) Naphthalene	15.37	128	113177	21.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52652	22.219	ug/l	99

(#) = 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: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD02

Tot Ion:168 Resp: 174432

Ion Ratio Lower Upper

168 100

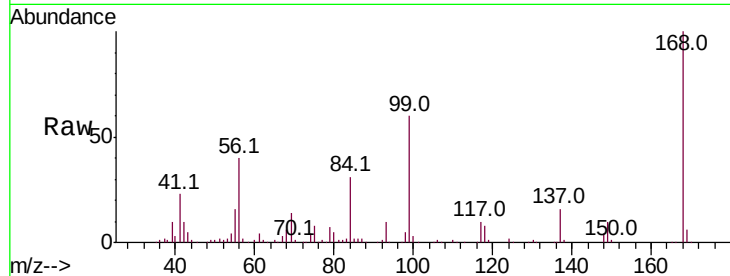
99 59.8 50.1 75.1

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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

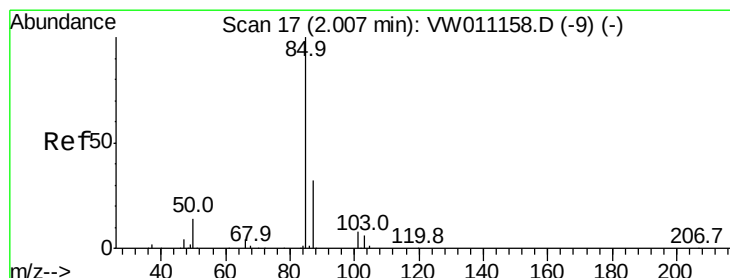
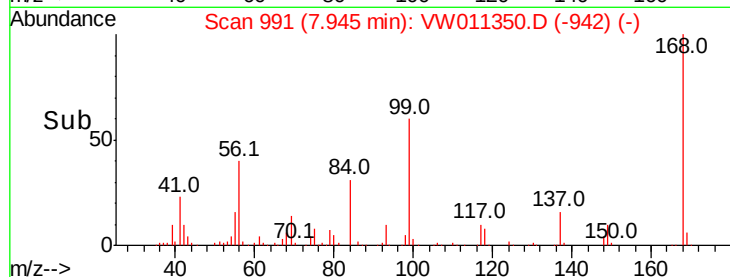
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 22.305 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011350.D

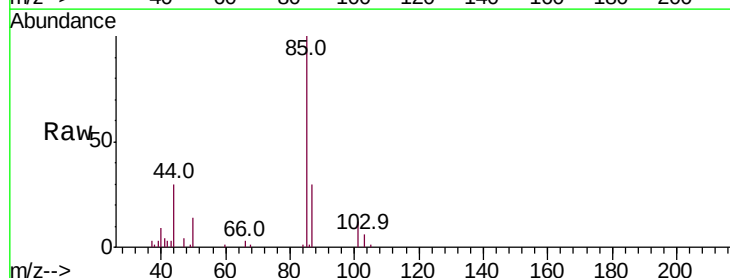
Acq: 18 Jul 2019 23:50

Tgt Ion: 85 Resp: 29017

Ion Ratio Lower Upper

85 100

87 29.8 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

0

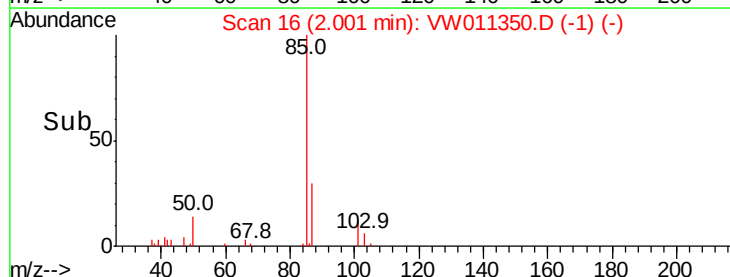
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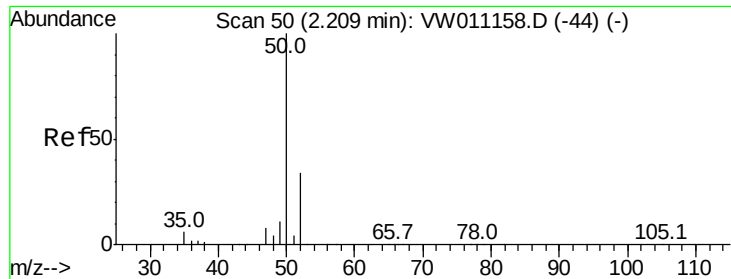
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 23.648 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 50 Resp: 39641

Ion Ratio Lower Upper

50 100

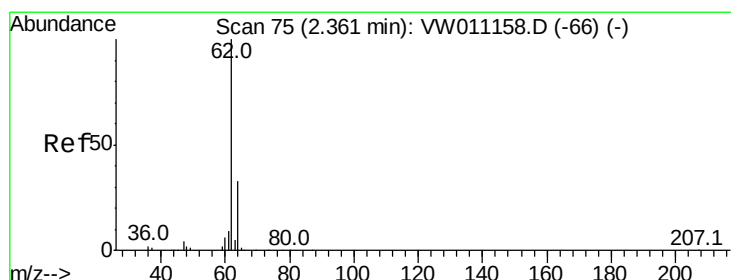
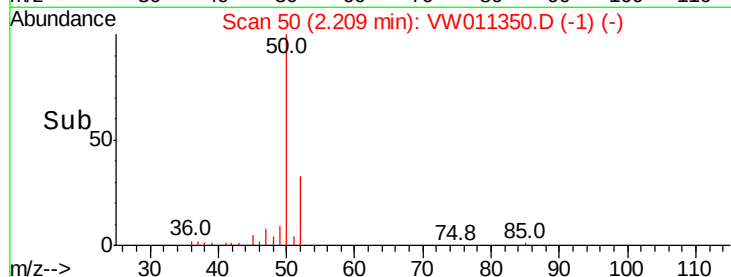
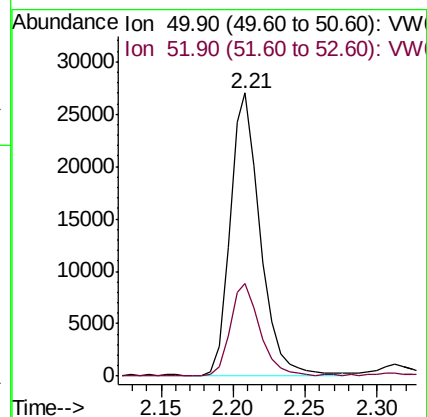
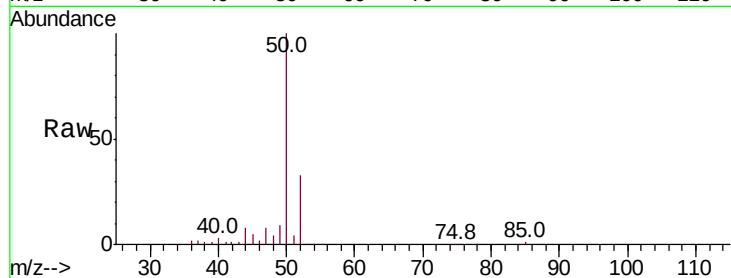
52 32.6 26.9 40.3

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#4

Vinyl Chloride

Concen: 20.940 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011350.D

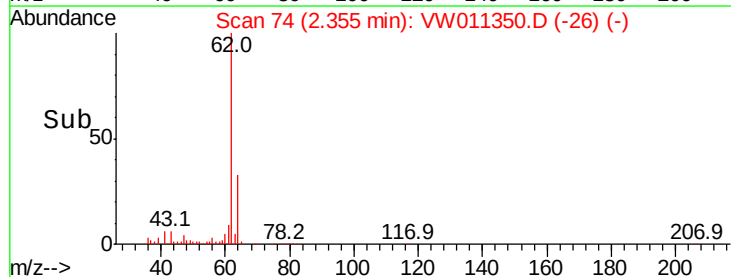
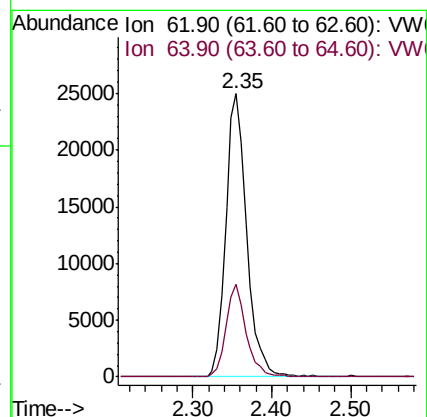
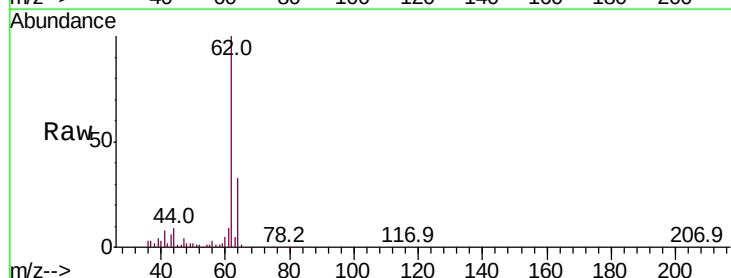
Acq: 18 Jul 2019 23:50

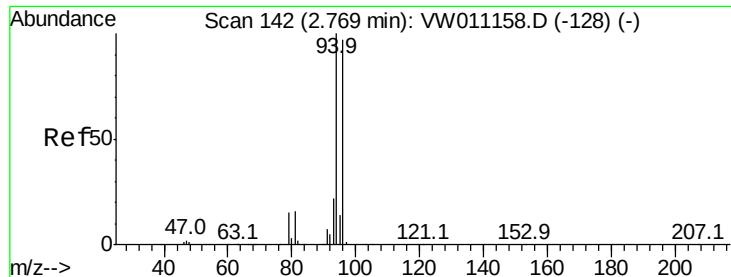
Tgt Ion: 62 Resp: 45944

Ion Ratio Lower Upper

62 100

64 32.9 26.6 40.0





#5

Bromomethane

Concen: 21.294 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

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ClientSampleId :

VW0718SBS02

Tot Ion: 94 Resp: 23477

Ion Ratio Lower Upper

94 100

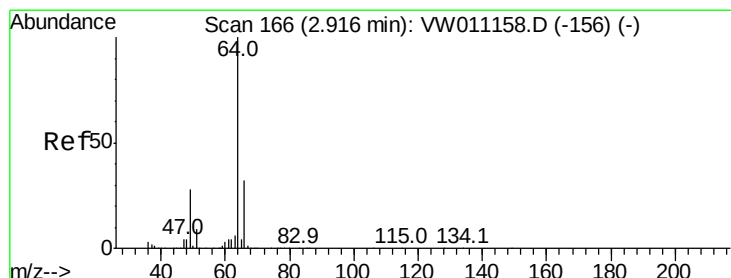
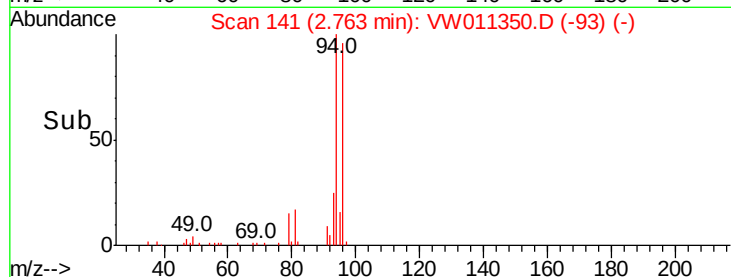
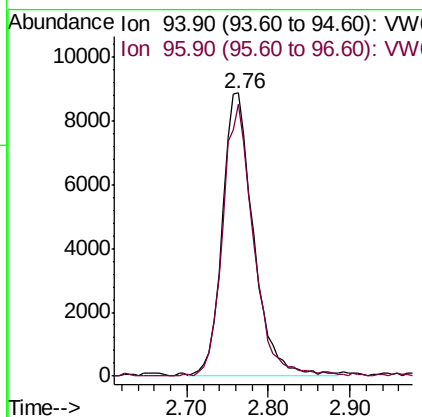
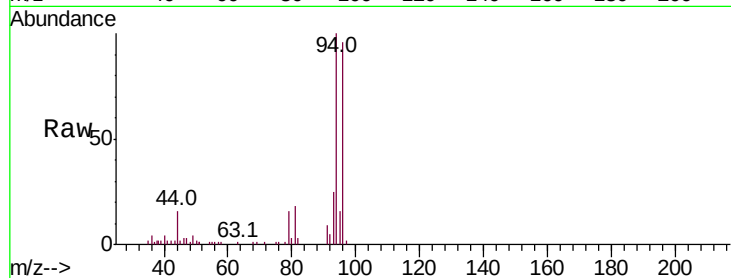
96 95.3 77.4 116.0

Manual Integrations

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7/19/2019 9:51:25 AM



#6

Chloroethane

Concen: 20.809 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011350.D

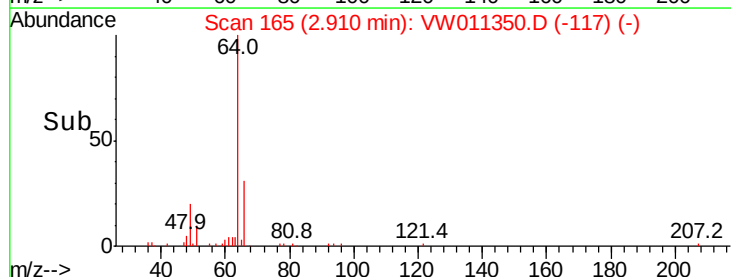
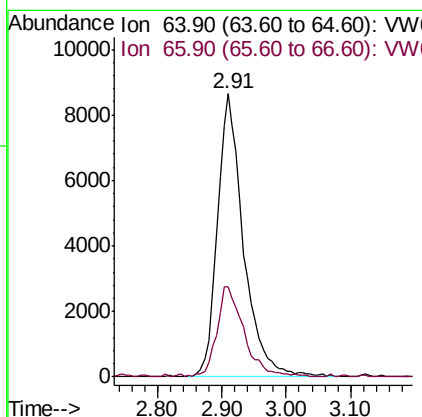
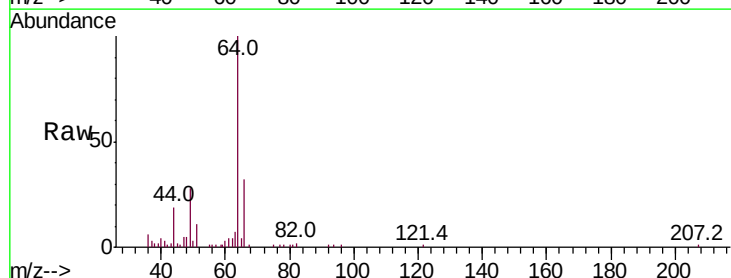
Acq: 18 Jul 2019 23:50

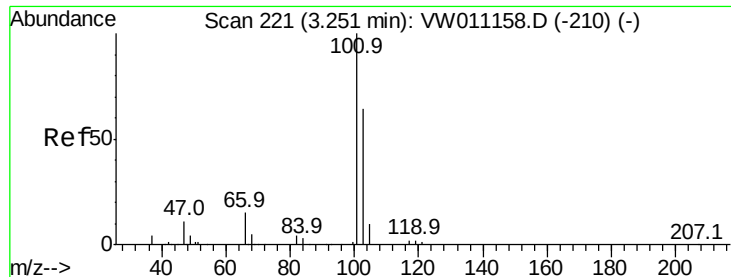
Tgt Ion: 64 Resp: 24592

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.8





#7

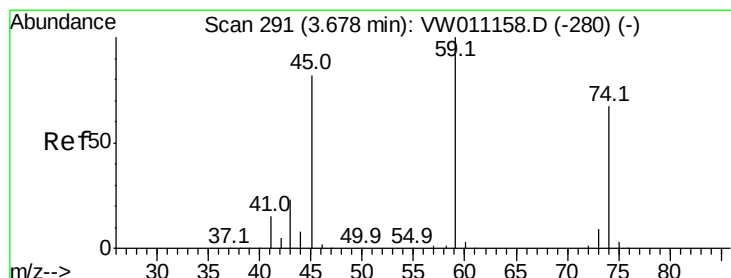
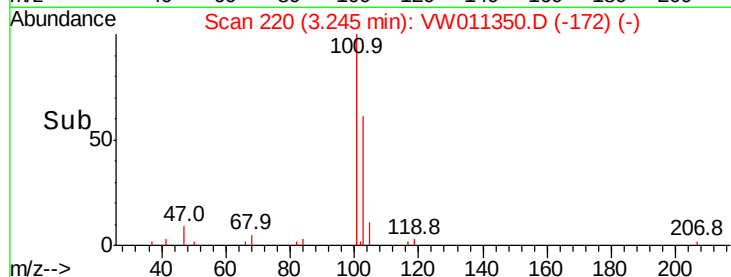
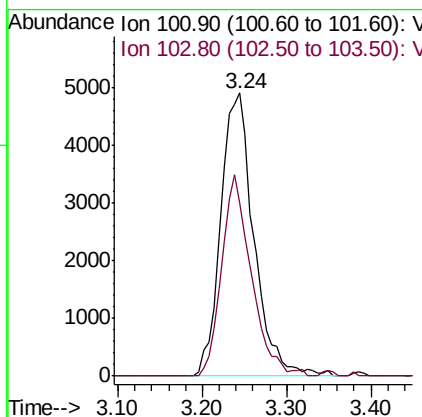
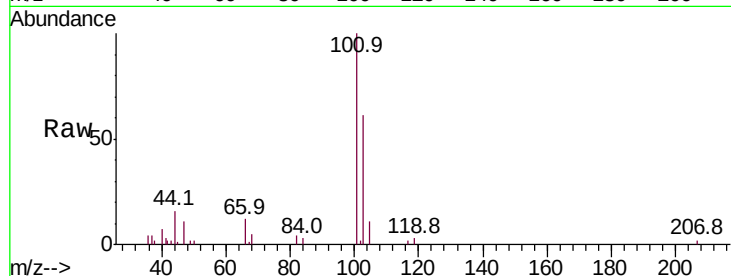
Trichlorofluoromethane
 Concen: 16.994 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

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 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.3	76.9

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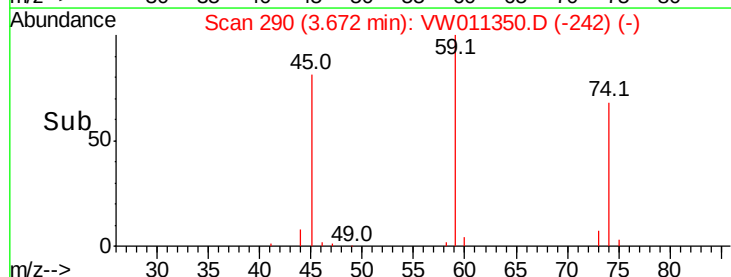
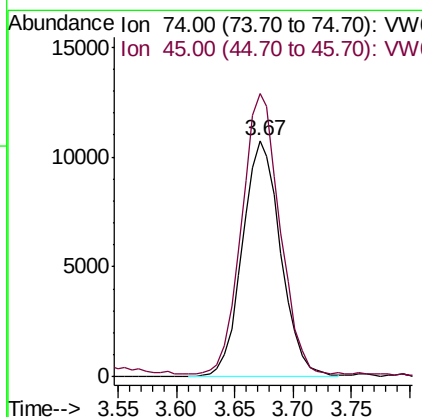
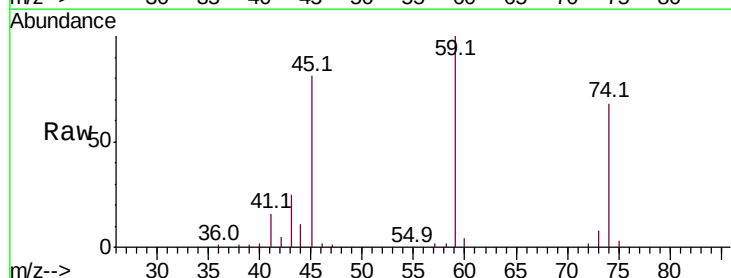
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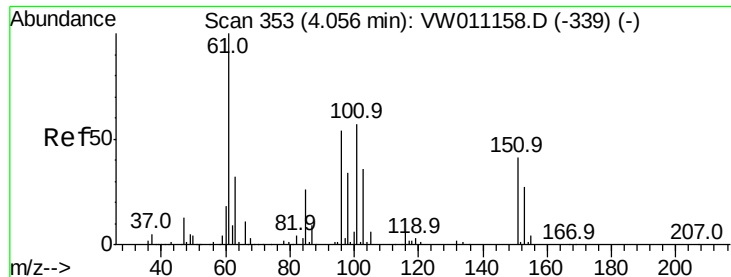


#8

Diethyl Ether
 Concen: 22.883 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.8	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.691 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

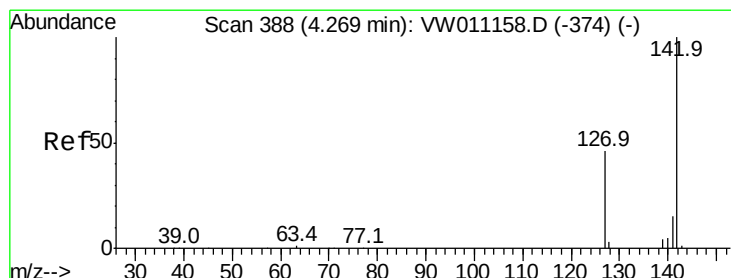
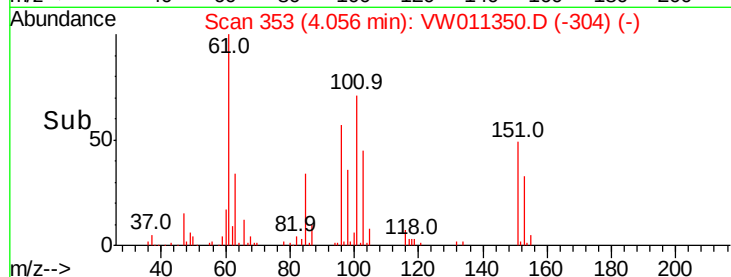
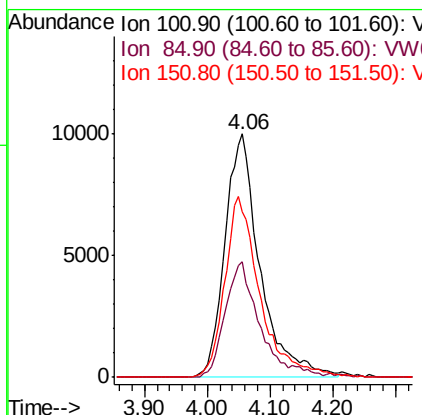
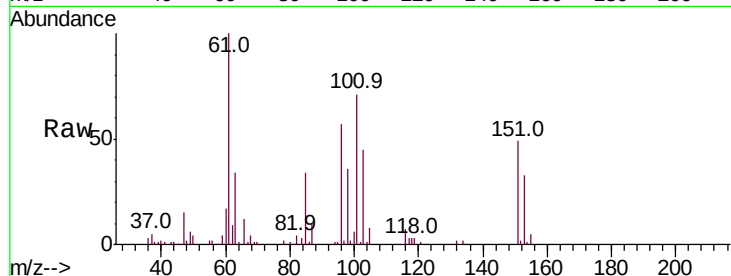
ClientSampleId :

VW0718SBS02

Tot Ion:	101	Resp:	38629
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.5	54.7
151	74.1	59.1	88.7

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7/19/2019 9:51:25 AM



#10

Methyl Iodide

Concen: 21.820 ug/l

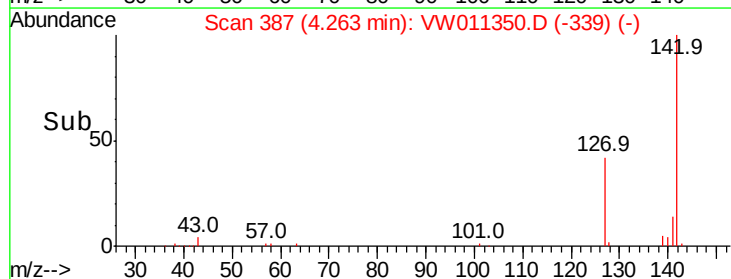
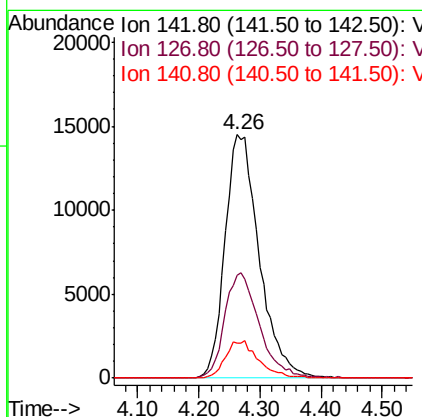
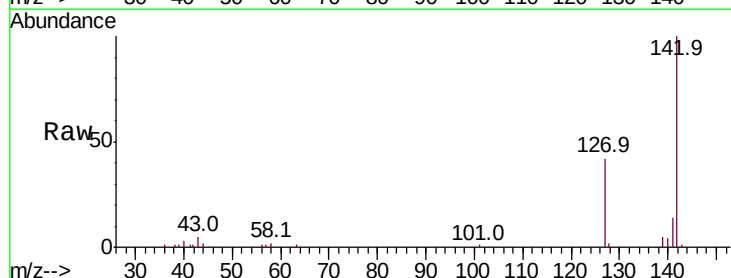
RT: 4.26 min Scan# 387

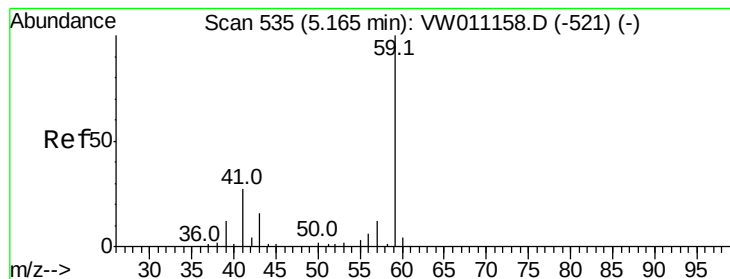
Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	142	Resp:	56030
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.7	53.5
141	14.7	11.5	17.3





#11

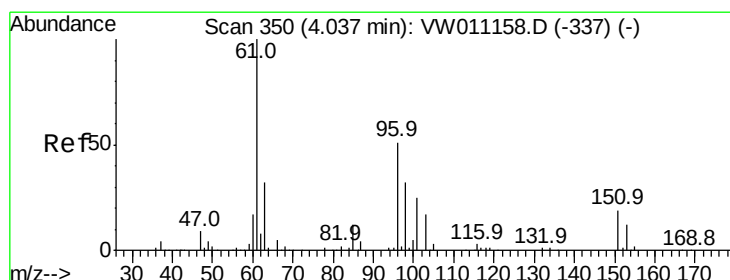
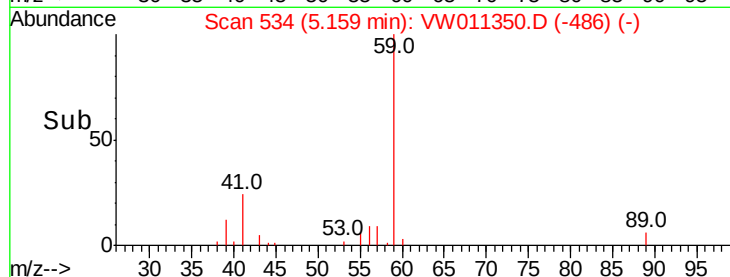
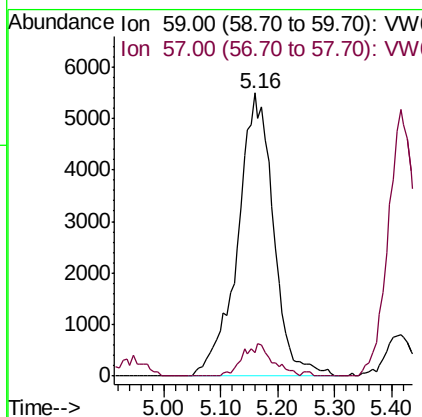
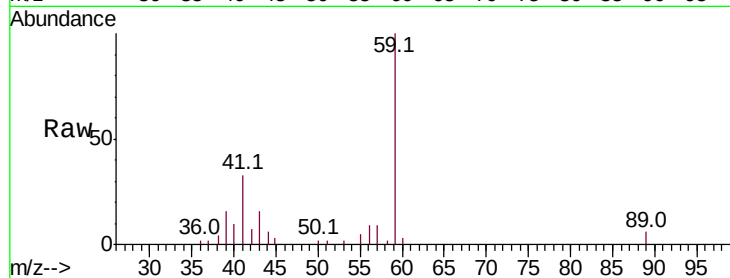
Tert butyl alcohol
 Concen: 148.342 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.0	13.6

Manual Integrations
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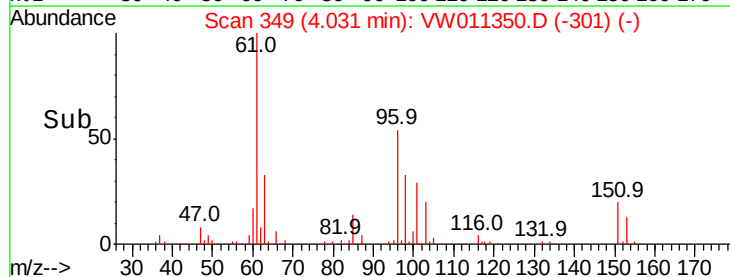
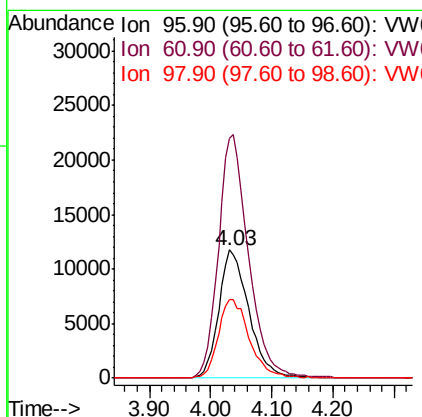
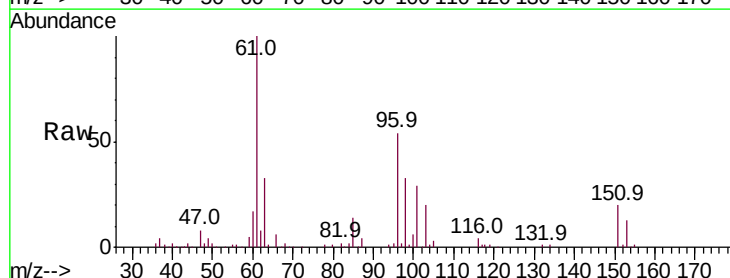
MMDadoda
 7/19/2019 9:51:25 AM

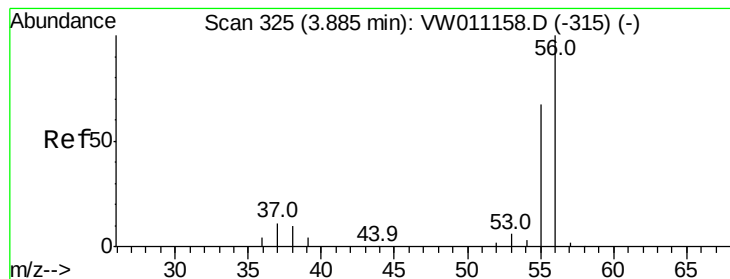


#12

1,1-Dichloroethene
 Concen: 20.769 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	157.7	236.5
98	61.2	50.9	76.3





#13

Acrolein

Concen: 72.653 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 56 Resp: 9388

Ion Ratio Lower Upper

56 100

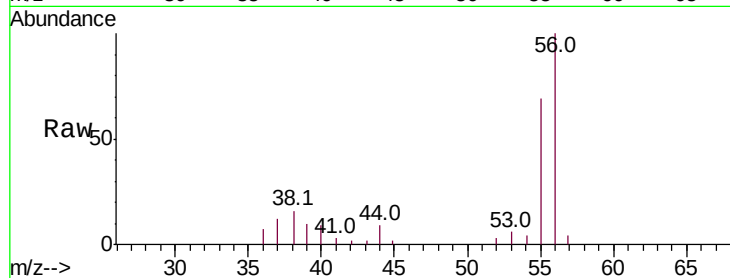
55 76.5 56.4 84.6

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

4000

3000

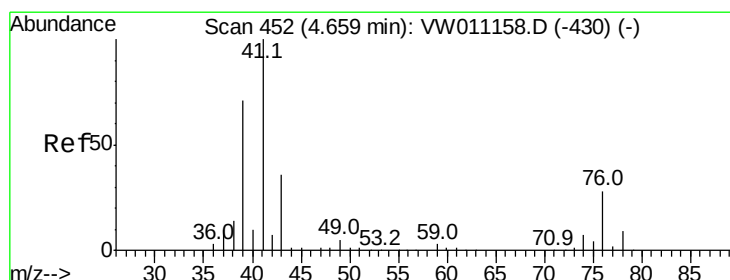
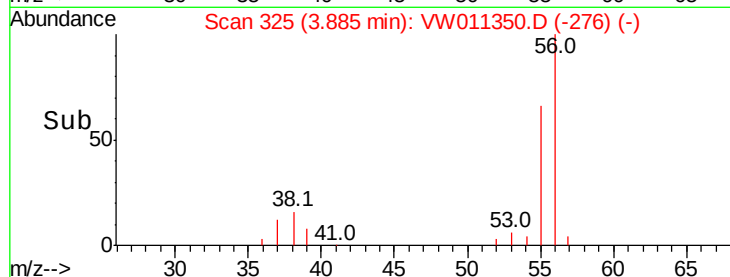
2000

1000

0

Time-->

3.80 3.85 3.90 3.95



#14

Allyl chloride

Concen: 19.928 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

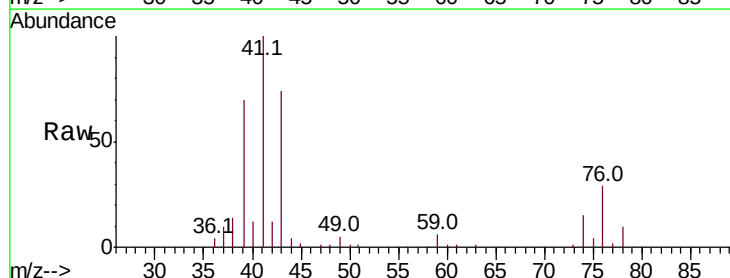
Tgt Ion: 41 Resp: 70418

Ion Ratio Lower Upper

41 100

39 66.7 55.1 82.7

76 26.7 22.5 33.7



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

30000

25000

20000

15000

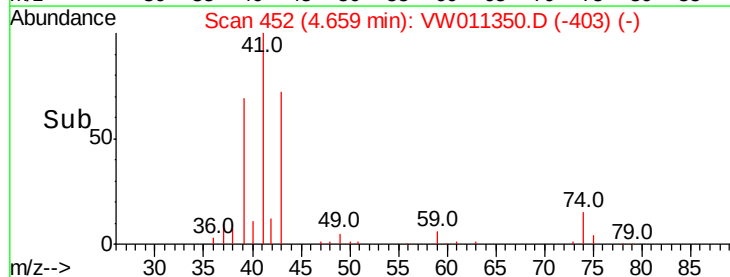
10000

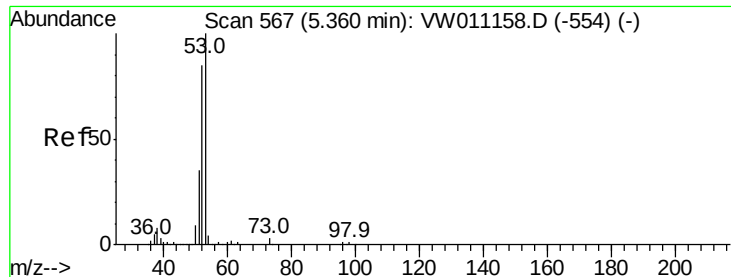
5000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 118.621 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

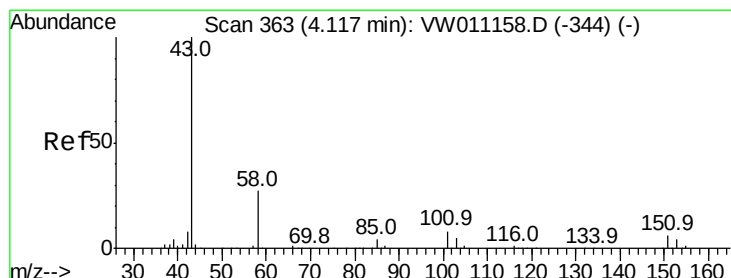
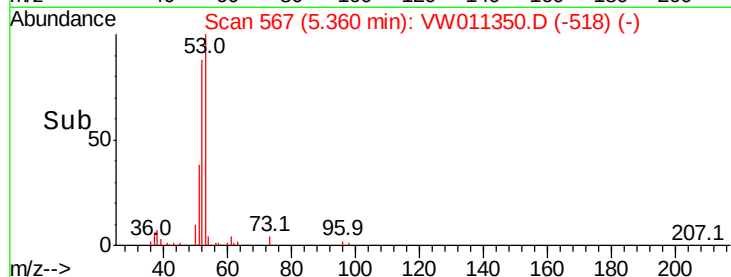
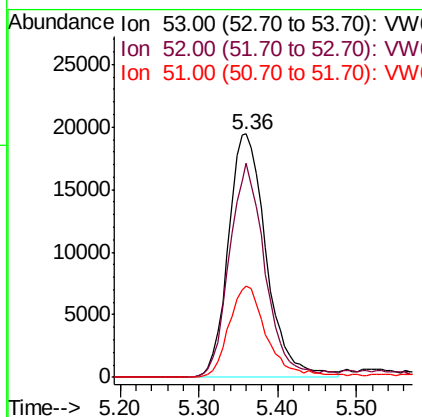
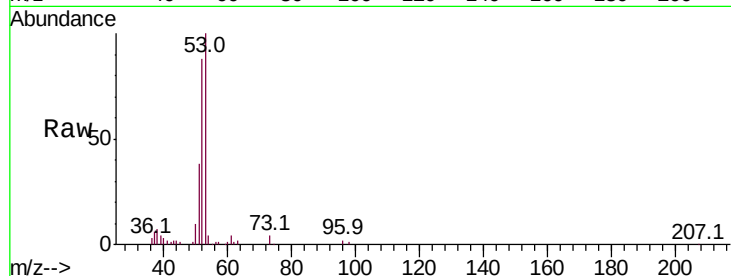
ClientSampleId :

VW0718SBS02

Tot Ion:	53	Resp:	65153
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.4
51	37.8	29.1	43.7

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#16

Acetone

Concen: 119.526 ug/l

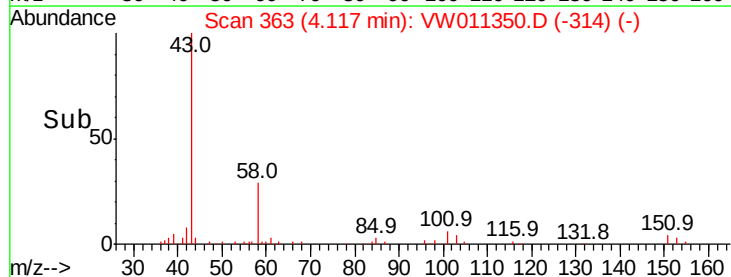
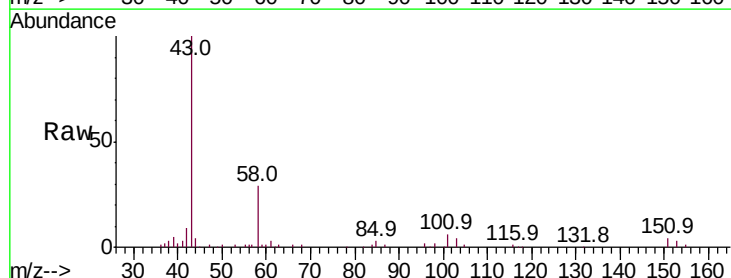
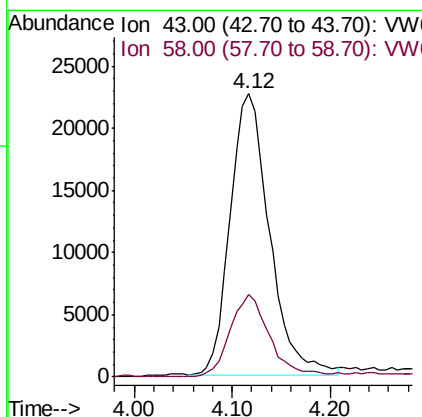
RT: 4.12 min Scan# 363

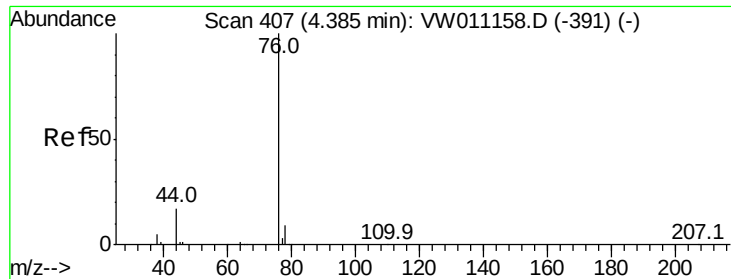
Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	43	Resp:	63035
Ion Ratio	Lower	Upper	
43	100		
58	28.9	21.8	32.6





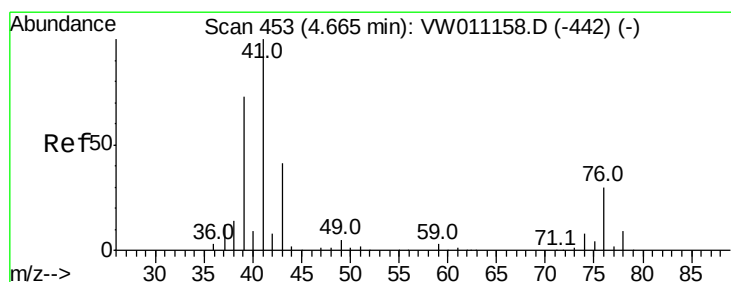
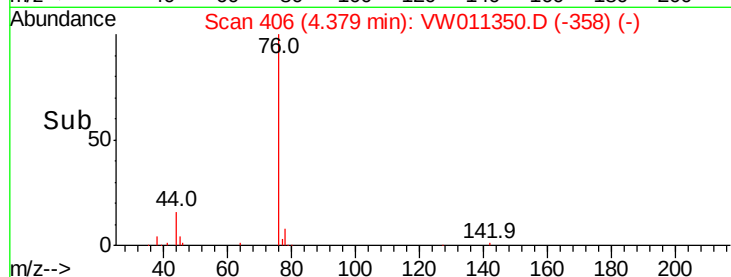
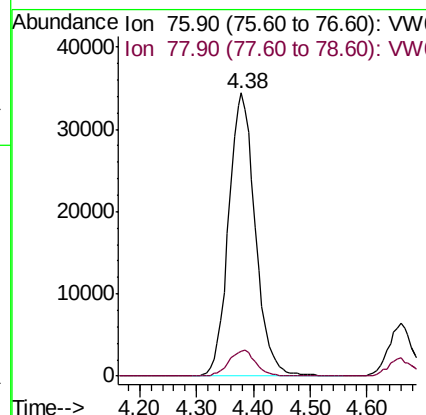
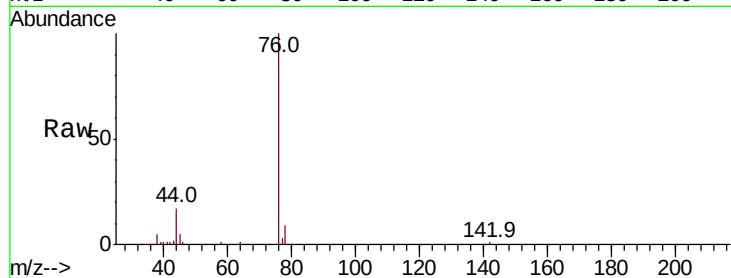
#17
Carbon Disulfide
Concen: 19.039 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

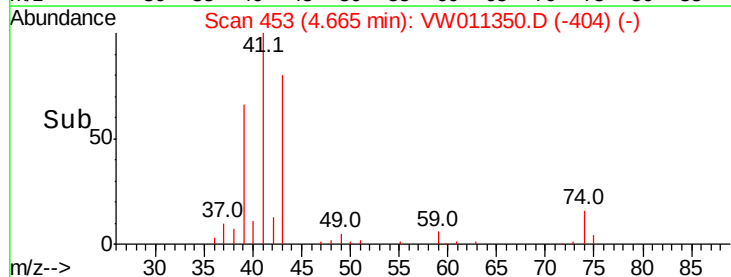
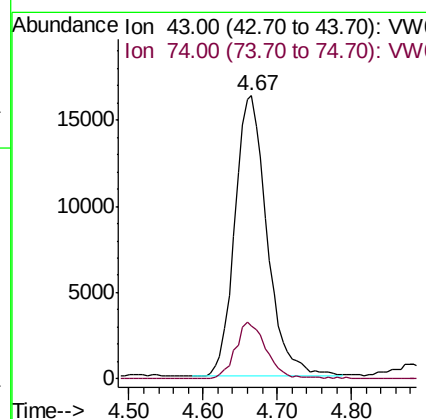
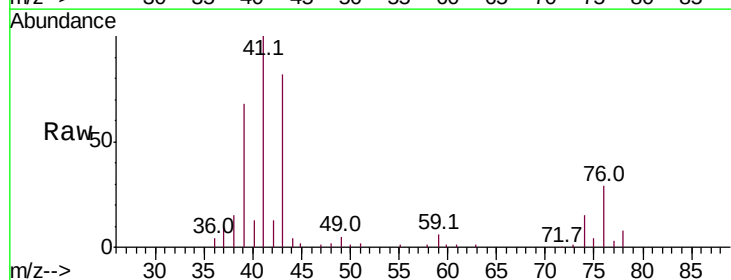
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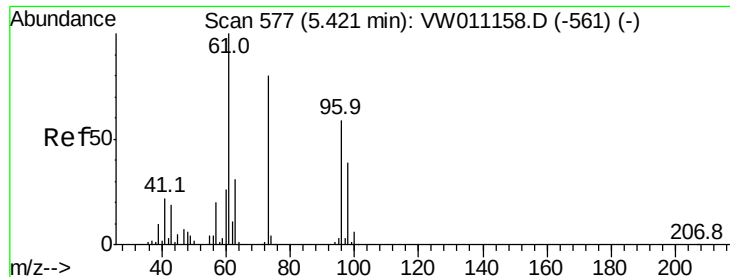
MMDadoda
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#18
Methyl Acetate
Concen: 32.531 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





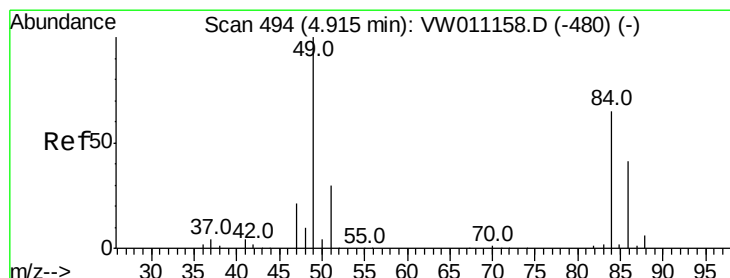
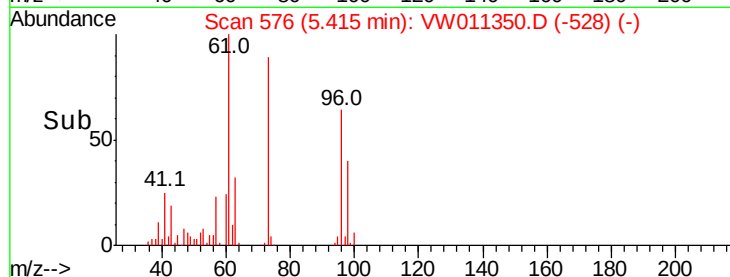
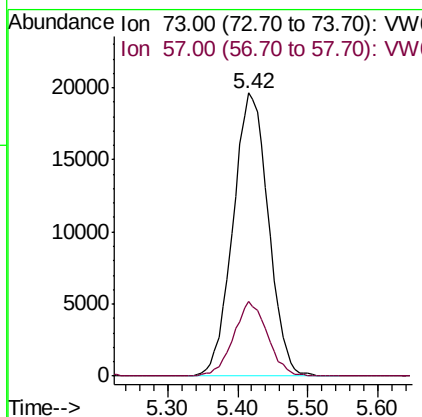
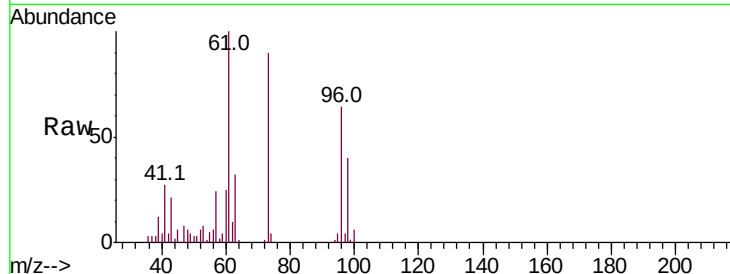
#19
Methyl tert-butyl Ether
Concen: 23.451 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion: 73 Resp: 68952
Ion Ratio Lower Upper
73 100
57 26.4 19.7 29.5

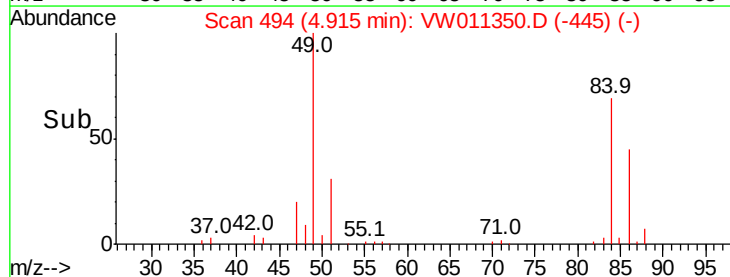
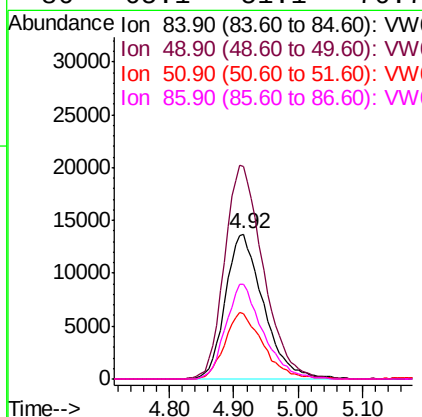
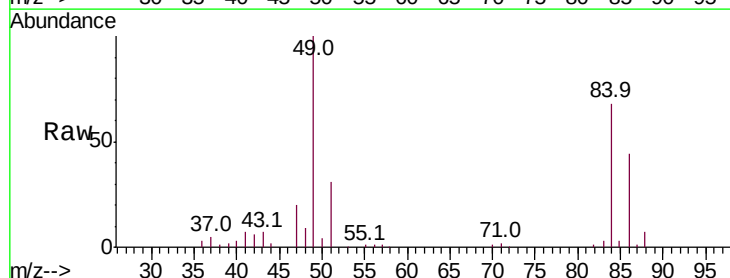
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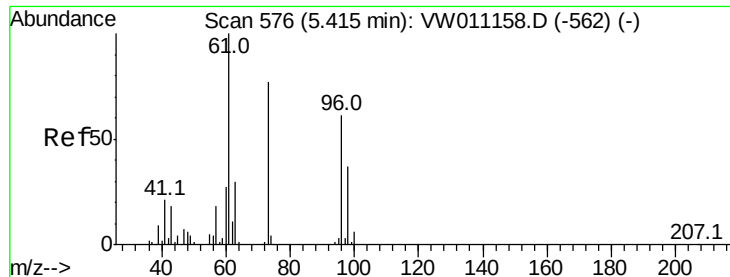
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#20
Methylene Chloride
Concen: 27.126 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 84 Resp: 56434
Ion Ratio Lower Upper
84 100
49 146.3 123.8 185.6
51 45.6 37.4 56.2
86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 21.869 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

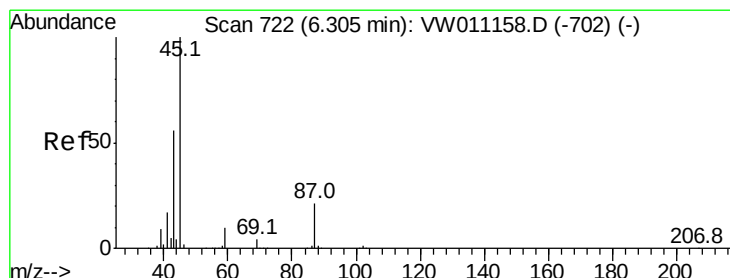
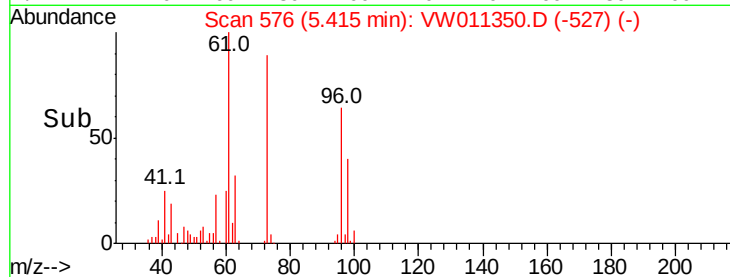
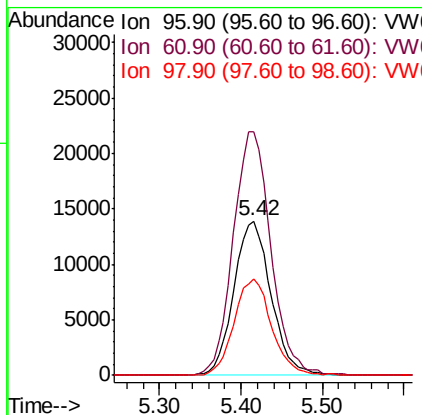
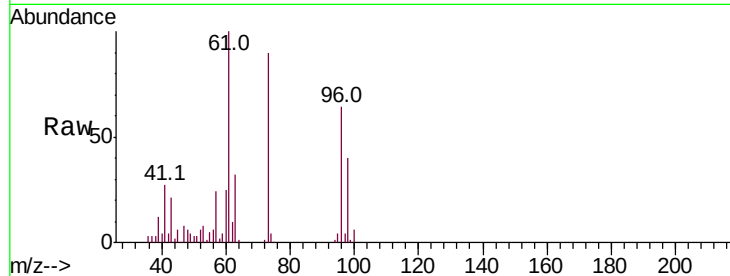
ClientSampleId :

VW0718SBS02

Tot Ion:	96	Resp:	44034
Ion	Ratio	Lower	Upper
96	100		
61	156.7	132.2	198.2
98	62.4	49.4	74.0

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#22

Diisopropyl ether

Concen: 23.003 ug/l

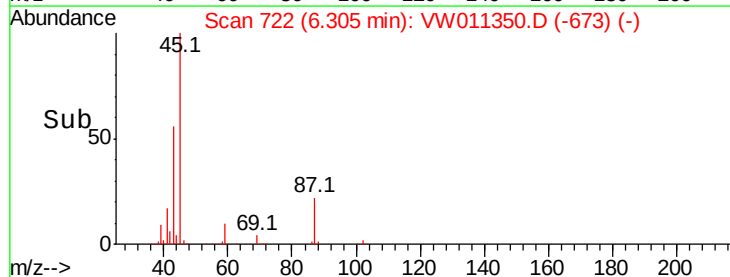
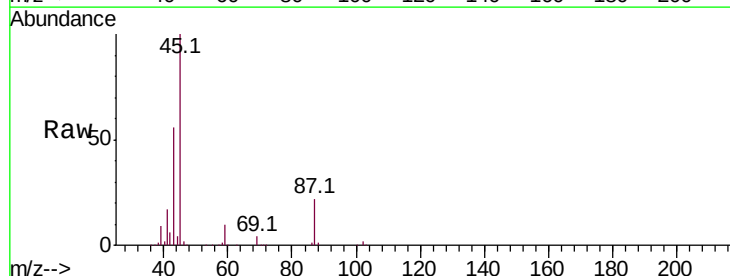
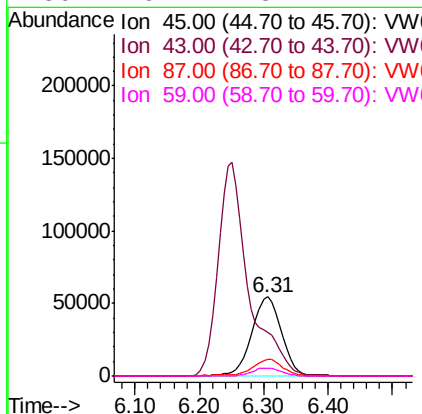
RT: 6.31 min Scan# 722

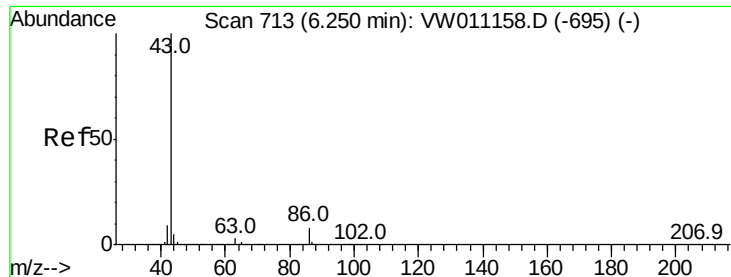
Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	45	Resp:	174828
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.6	66.8
87	21.4	17.3	25.9
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 104.405 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 43 Resp: 491067

Ion Ratio Lower Upper

43 100

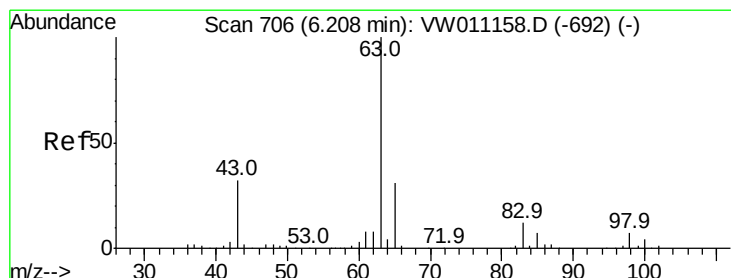
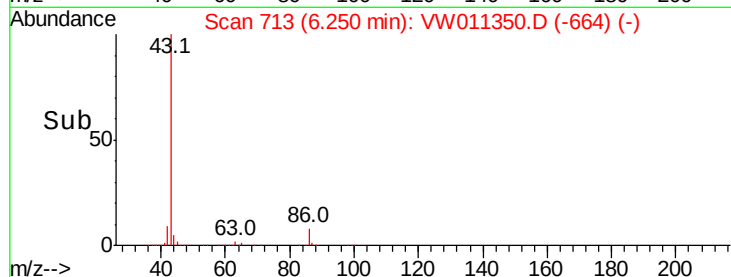
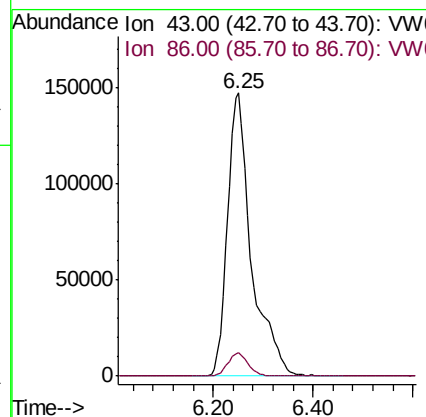
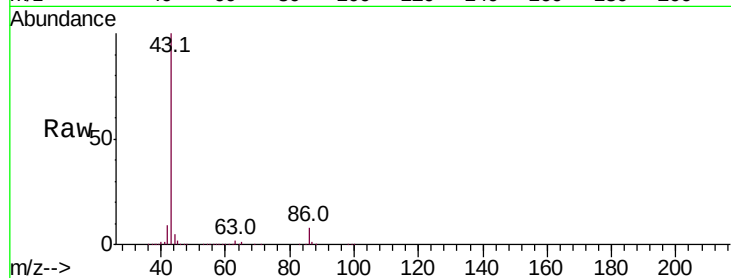
86 8.4 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 22.526 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

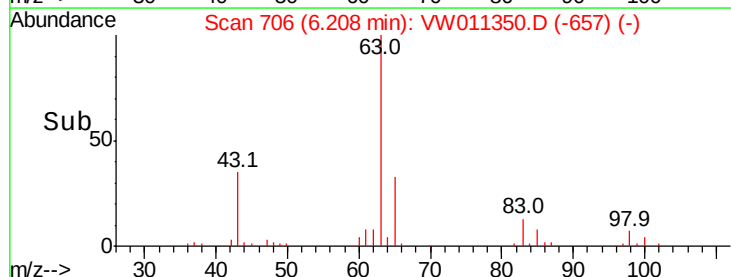
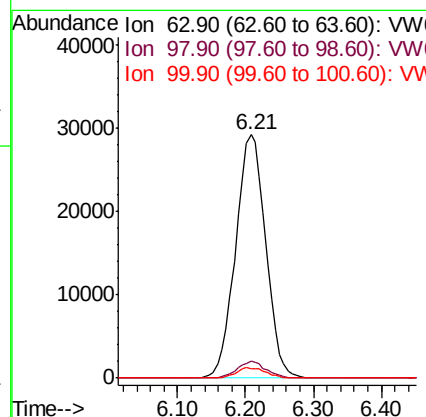
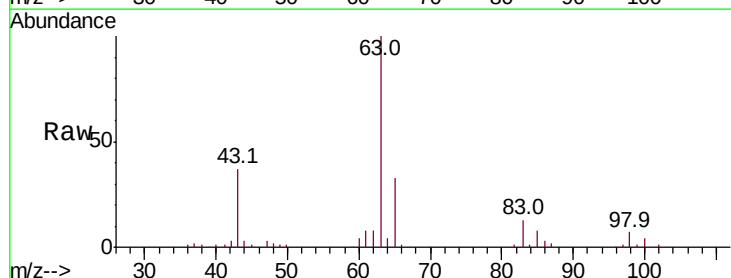
Tgt Ion: 63 Resp: 89898

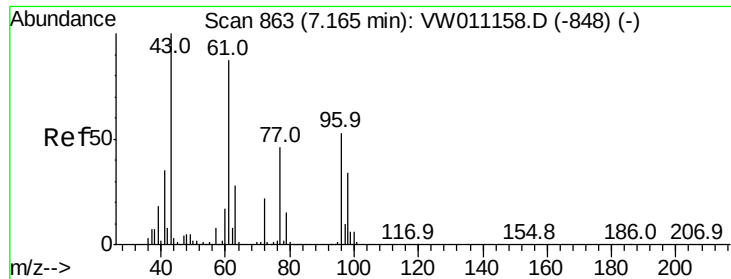
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 126.072 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 43 Resp: 104367

Ion Ratio Lower Upper

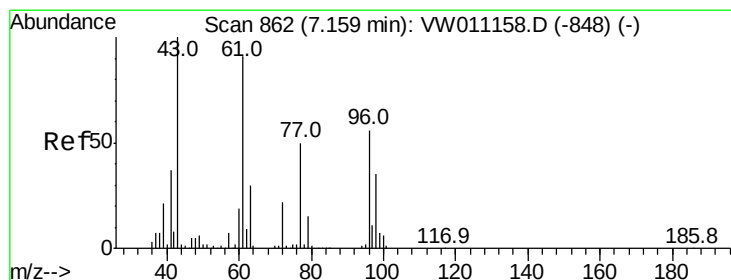
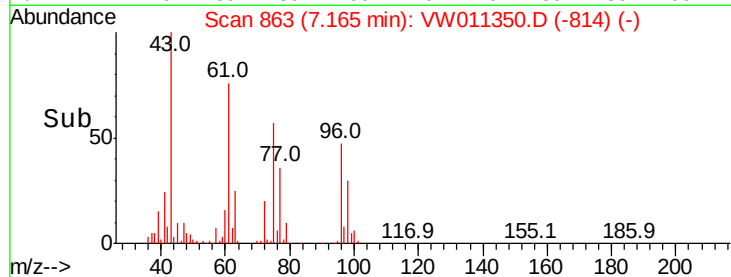
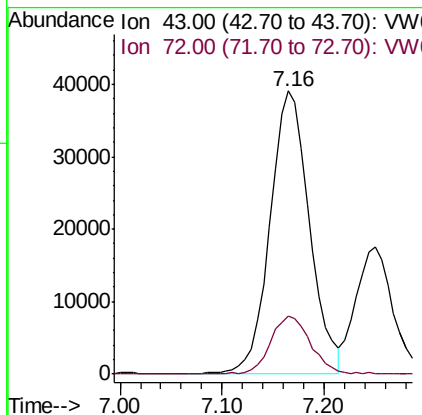
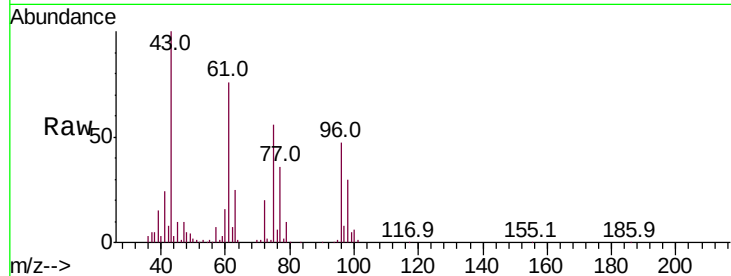
43 100

72 20.4 17.6 26.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.305 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW011350.D

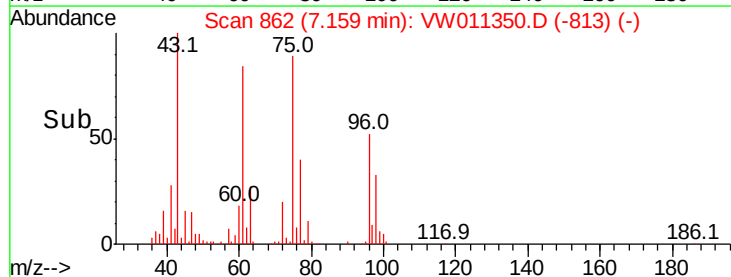
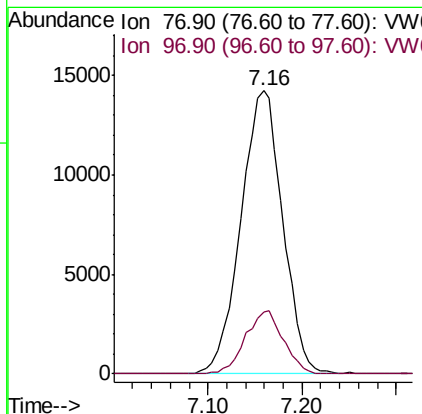
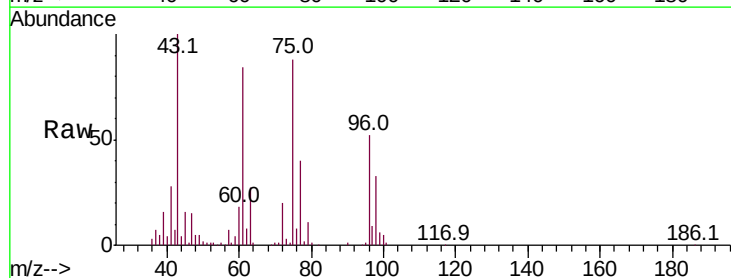
Acq: 18 Jul 2019 23:50

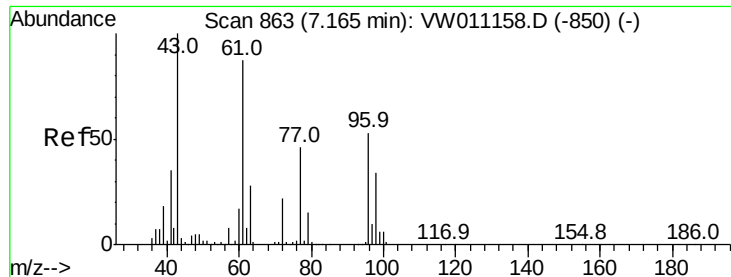
Tgt Ion: 77 Resp: 44197

Ion Ratio Lower Upper

77 100

97 20.2 11.2 33.5





#27

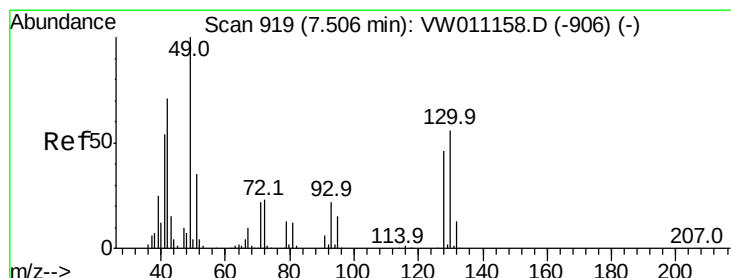
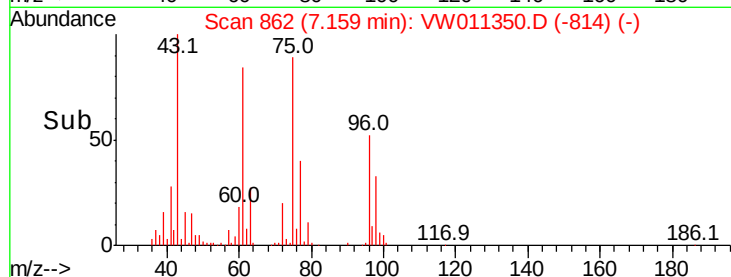
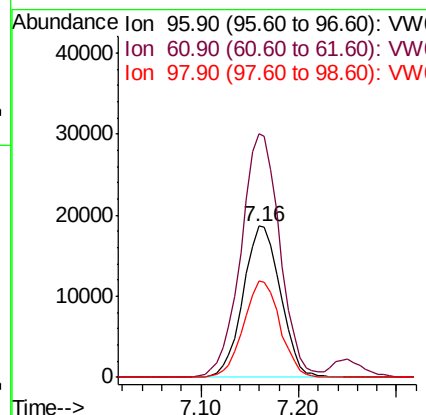
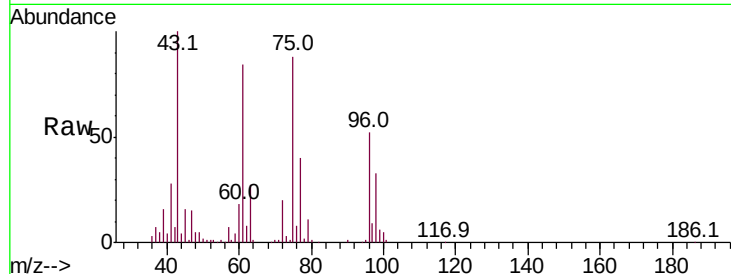
cis-1,2-Dichloroethene
 Concen: 22.705 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	325.6
98	62.2	0.0	128.2

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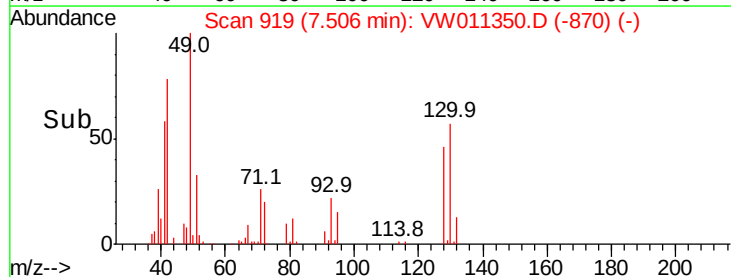
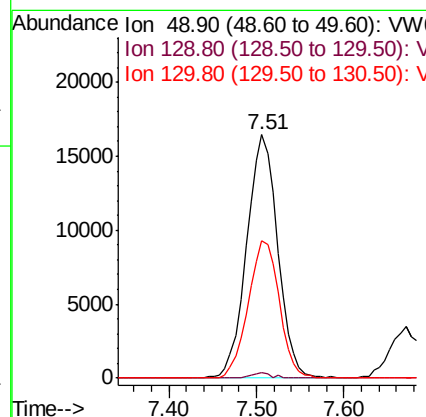
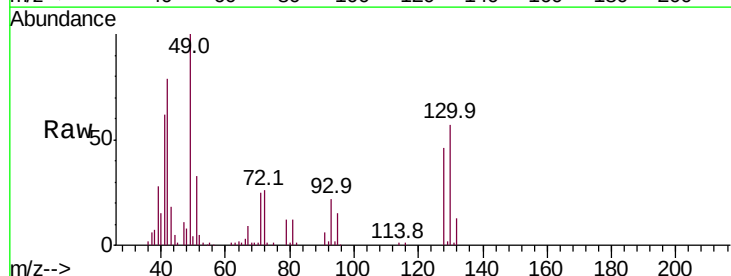
MMDadoda
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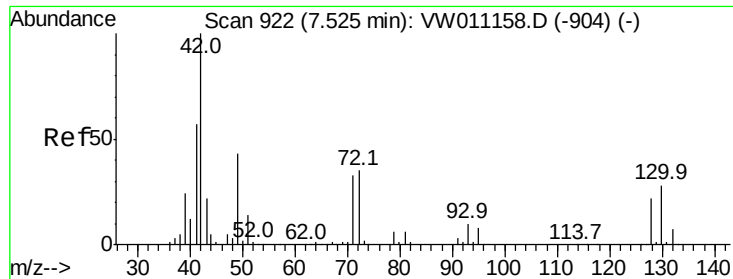


#28

Bromochloromethane
 Concen: 22.401 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4#
130	56.5	45.8	68.8





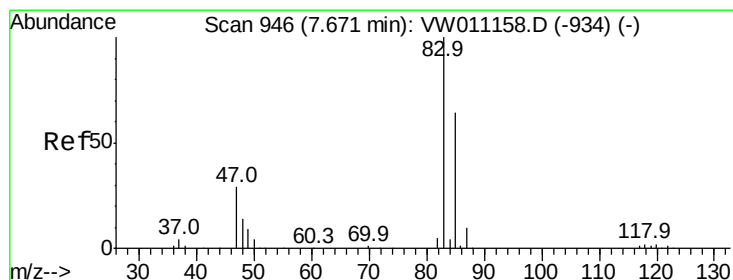
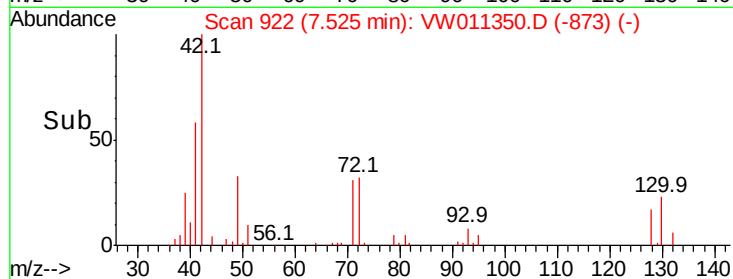
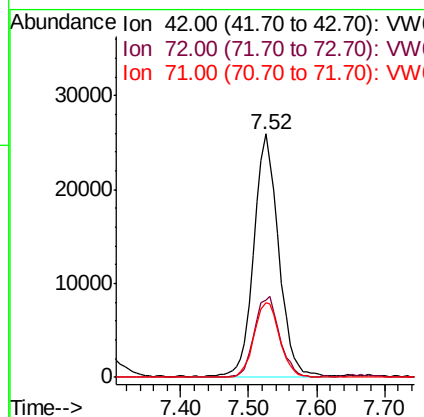
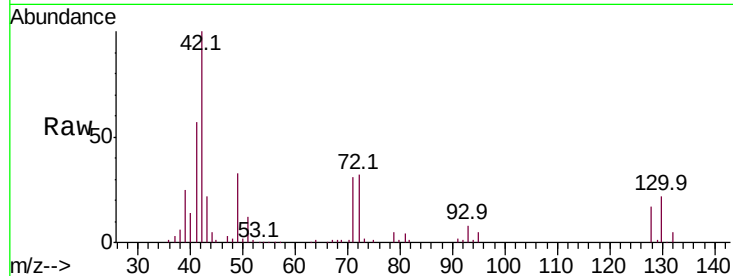
#29
Tetrahydrofuran
Concen: 123.218 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.4	41.2
71	31.3	25.9	38.9

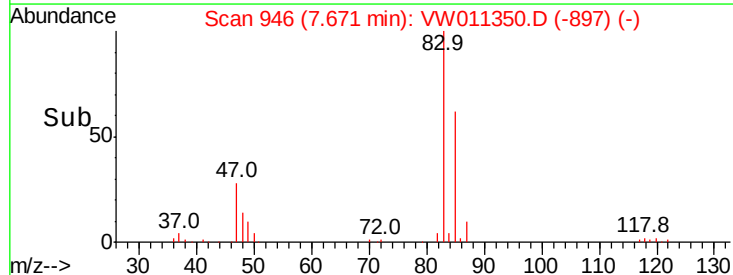
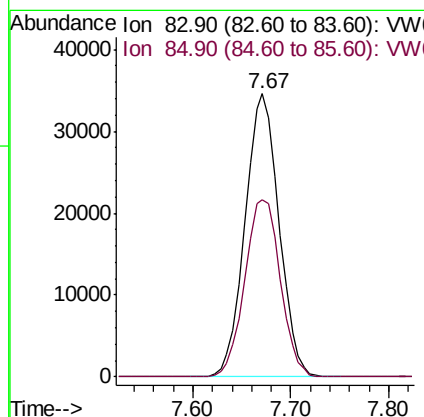
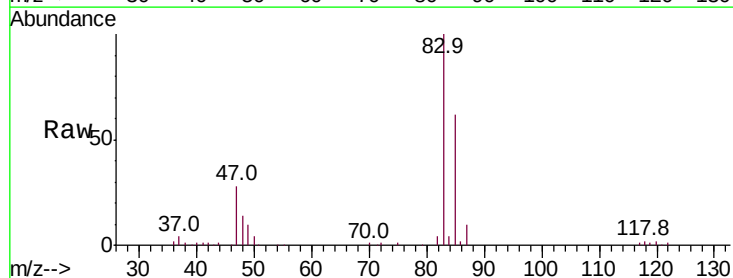
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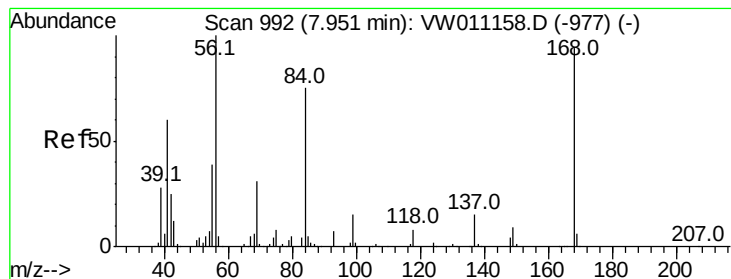
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#30
Chloroform
Concen: 22.519 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2





#31

Cyclohexane

Concen: 20.254 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

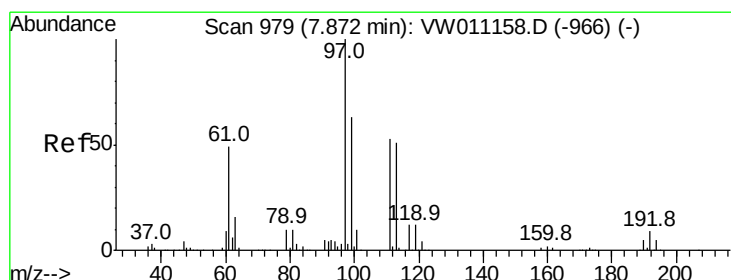
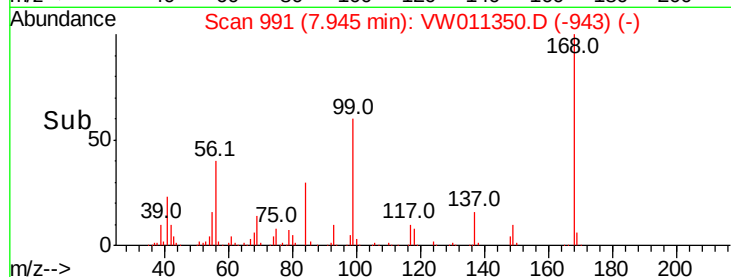
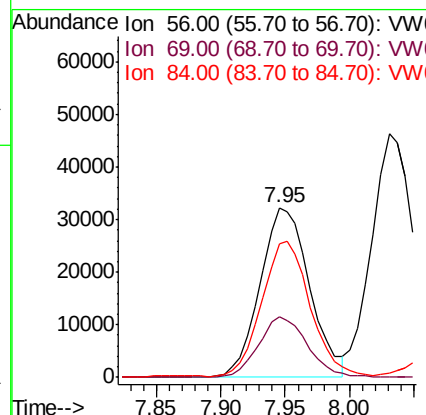
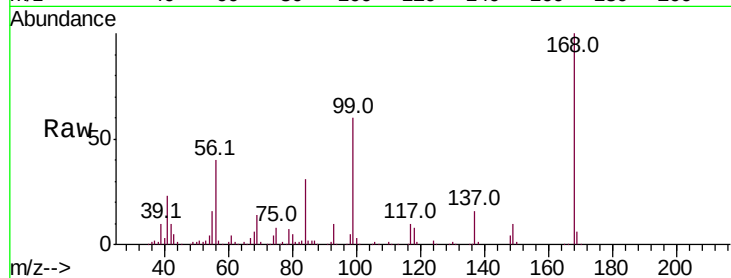
ClientSampleId :

VW0718SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	24.6	36.8
84	77.4	60.1	90.1

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#32

1,1,1-Trichloroethane

Concen: 21.181 ug/l

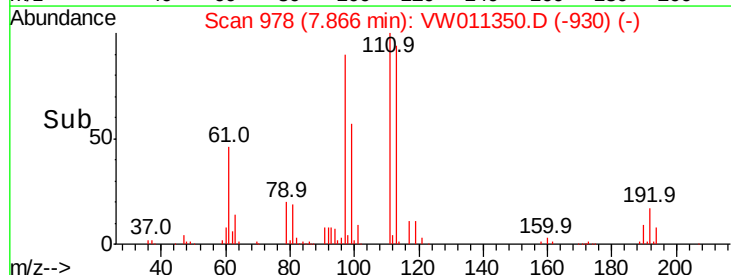
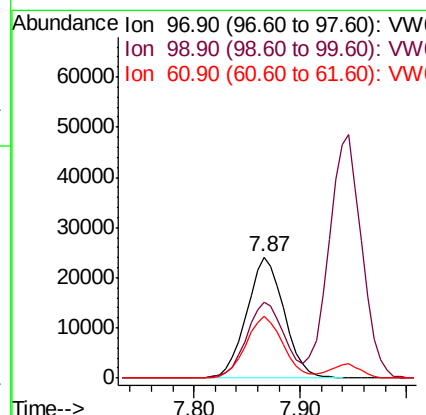
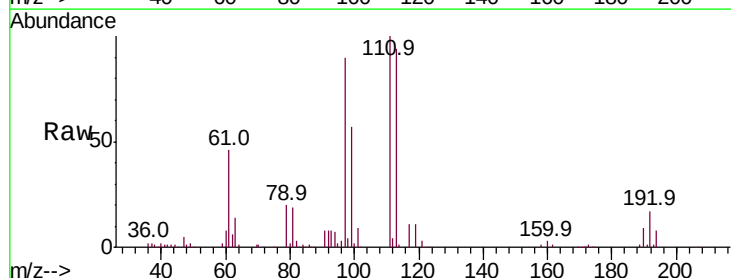
RT: 7.87 min Scan# 978

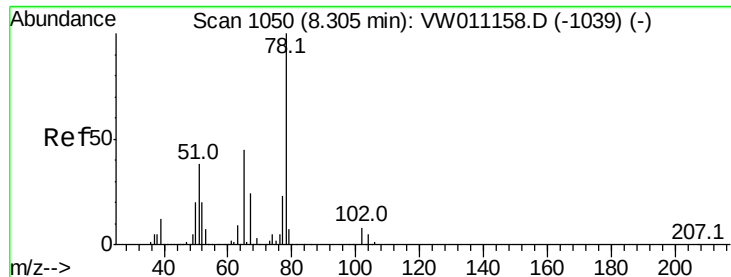
Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	50.8	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 52.134 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W

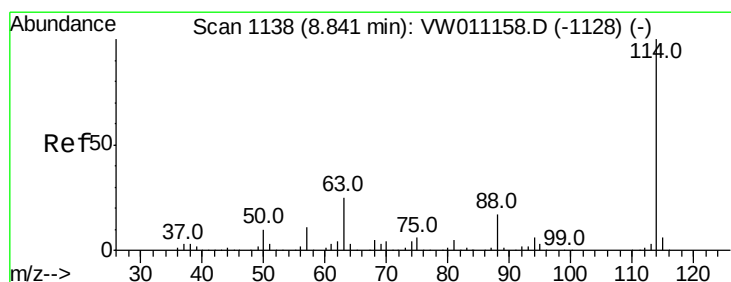
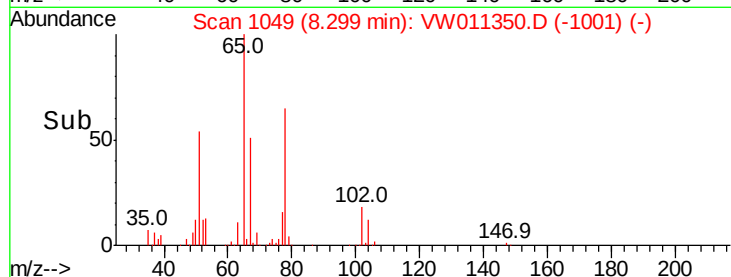
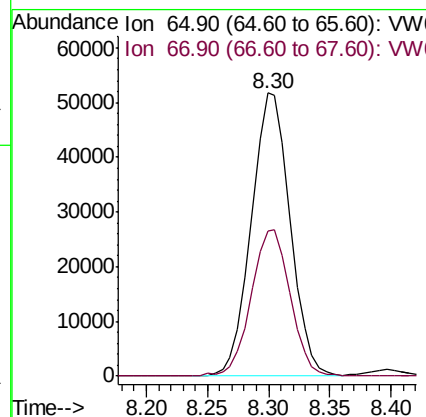
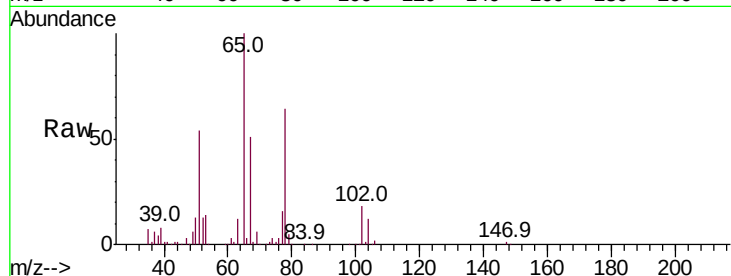
ClientSampleId :
VW0718SBSD02

Tot Ion: 65 Resp: 114268

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

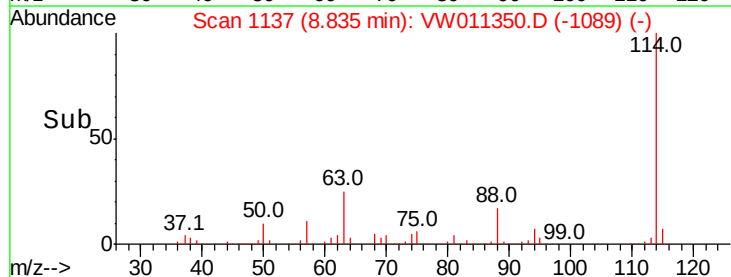
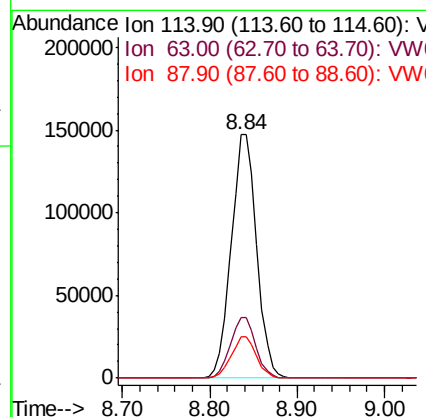
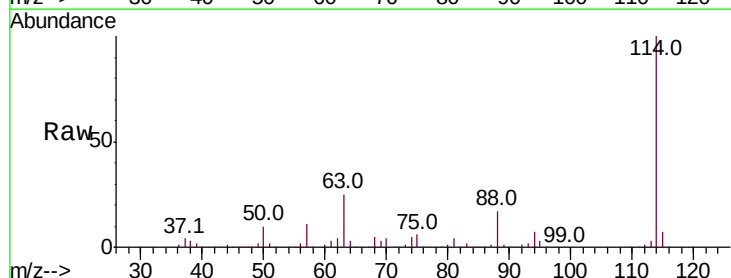
Delta R.T. -0.01 min

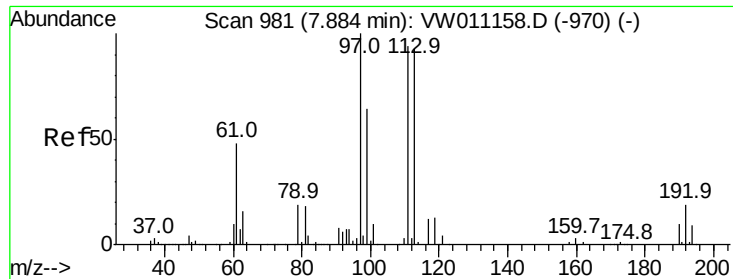
Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion: 114 Resp: 297356

Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	50.8
88	17.2	0.0	34.2





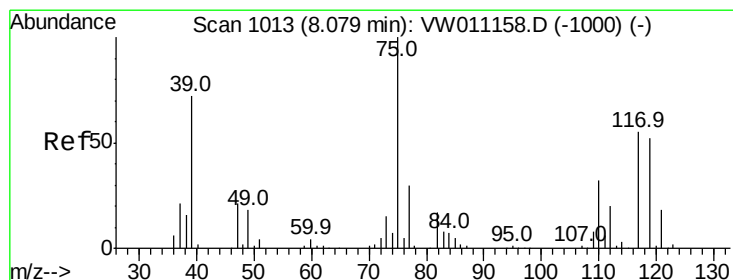
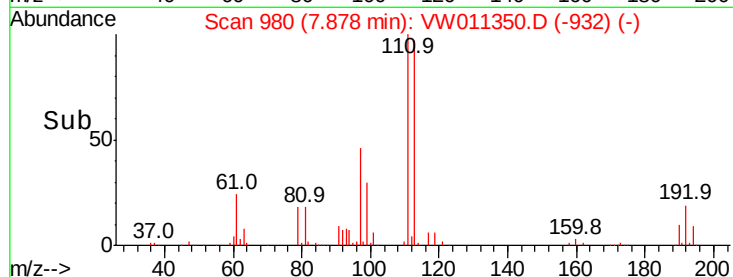
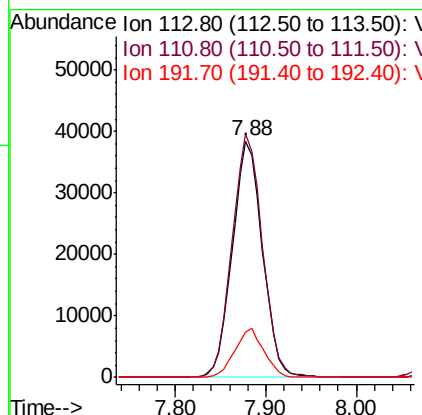
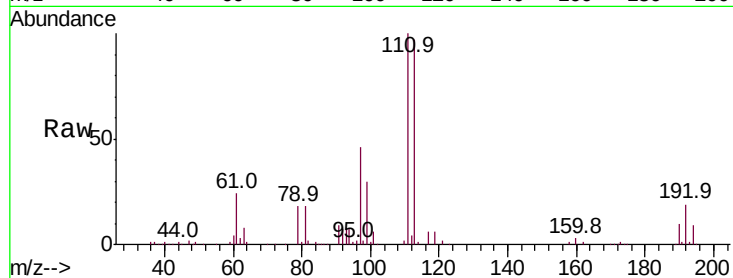
#35
 Dibromofluoromethane
 Concen: 49.951 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	19.9	15.8	23.8

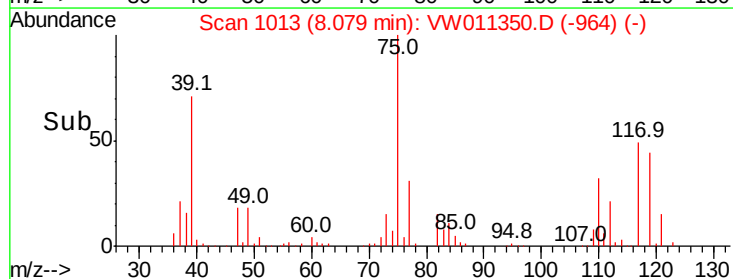
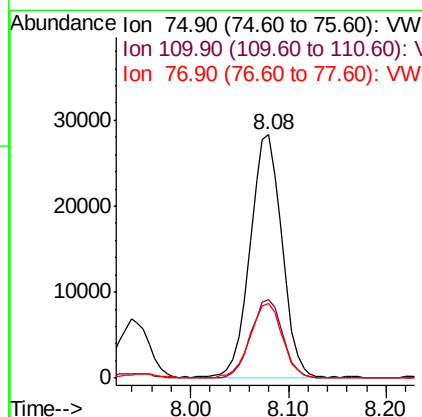
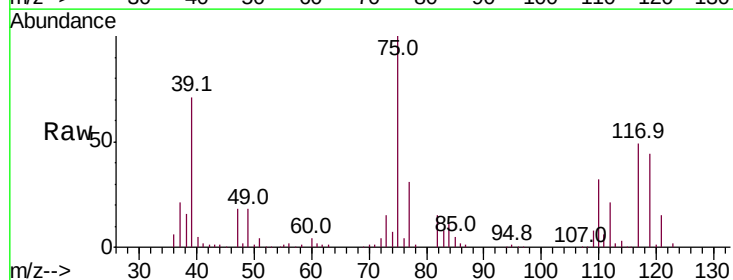
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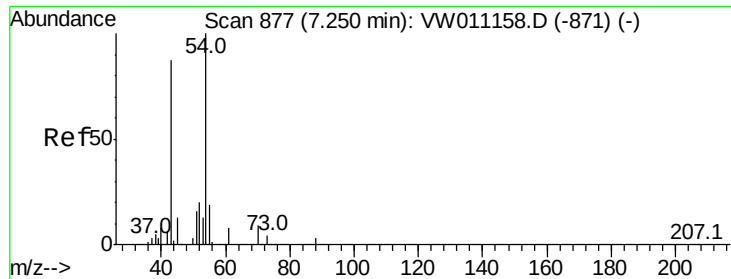
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#36
 1,1-Dichloropropene
 Concen: 20.200 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	15.9	47.6
77	31.6	24.6	36.8





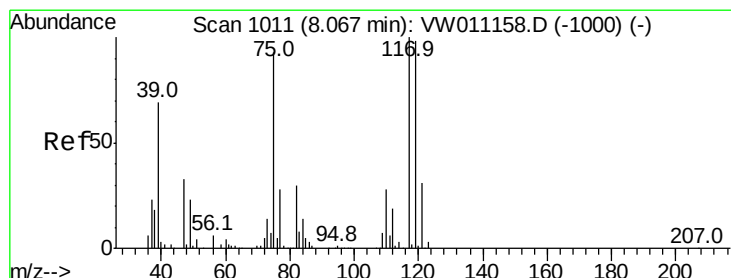
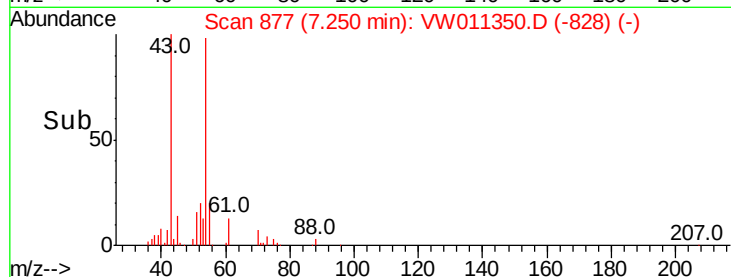
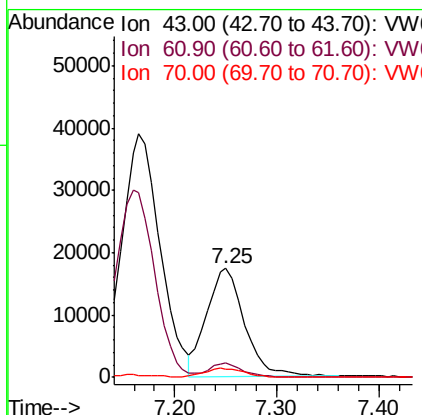
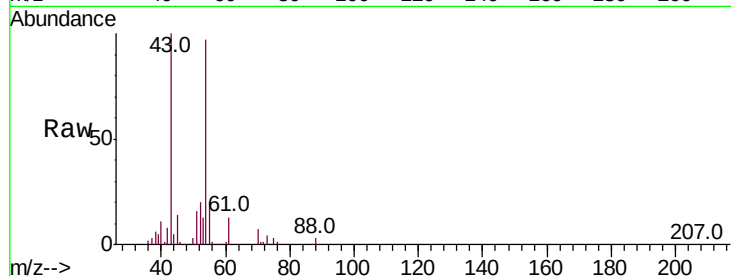
#37
Ethyl Acetate
Concen: 23.472 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.5	14.3
70	8.8	7.1	10.7

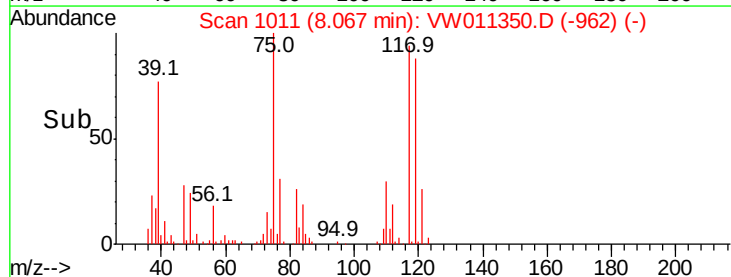
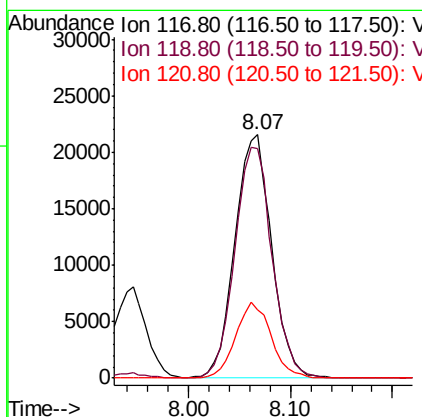
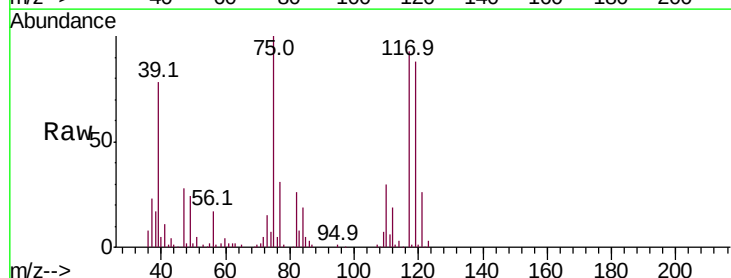
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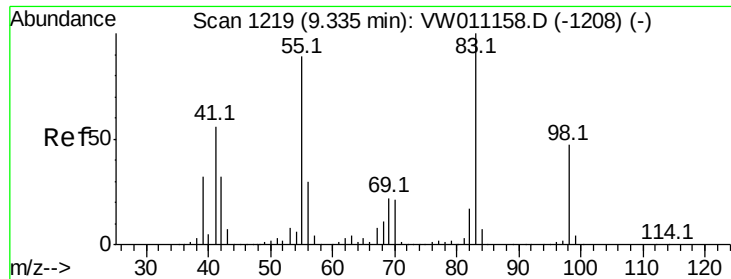
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#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.1	117.1
121	28.1	25.1	37.7





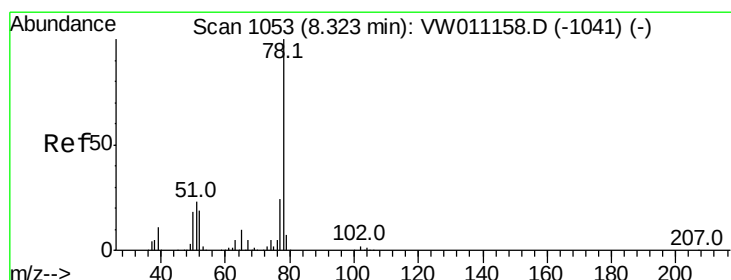
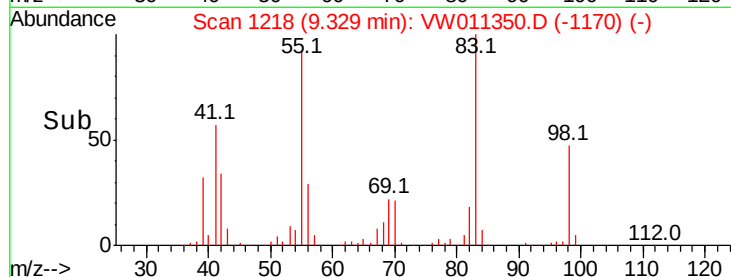
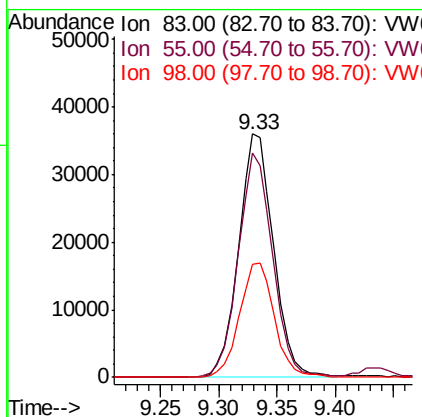
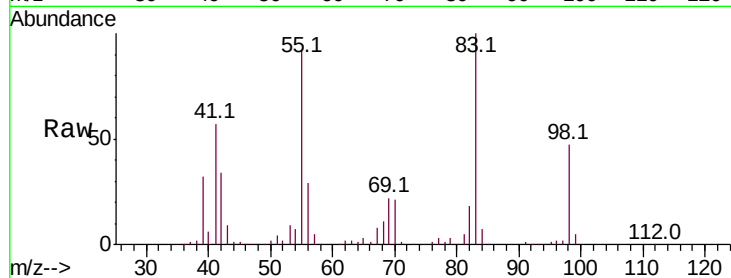
#39
Methylvlcyclohexane
Concen: 19.593 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	83	Resp	75198
Ion Ratio	100		
Lower	71.2		
Upper	106.8		
83	46.7	37.5	56.3

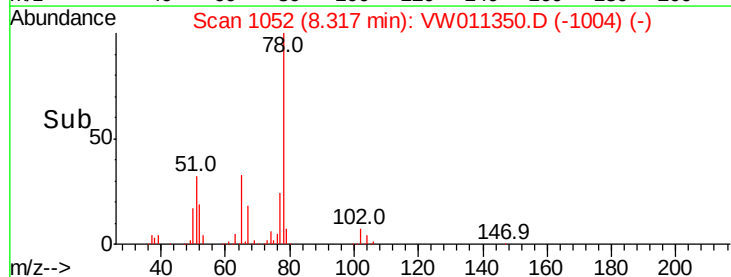
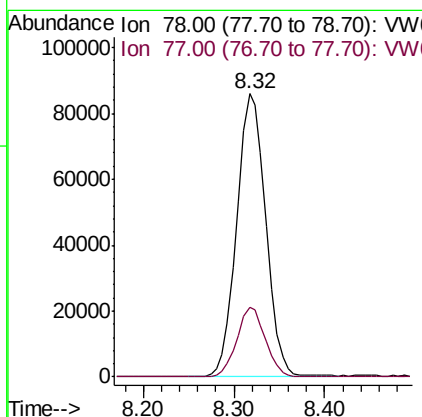
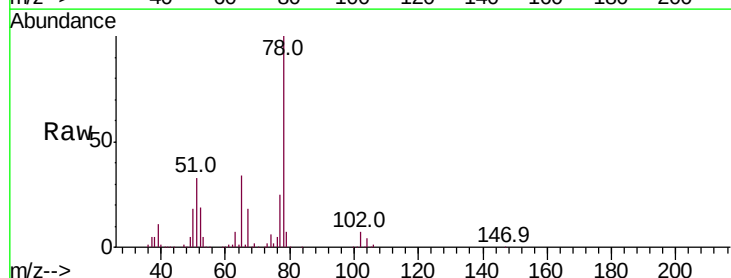
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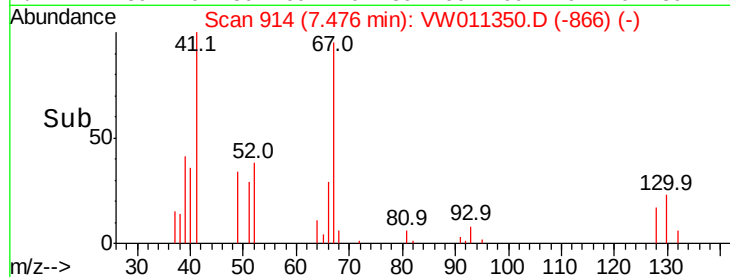
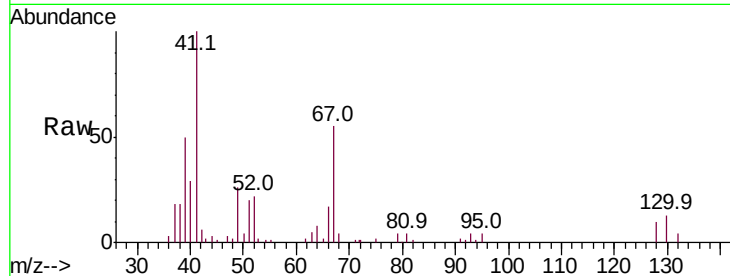
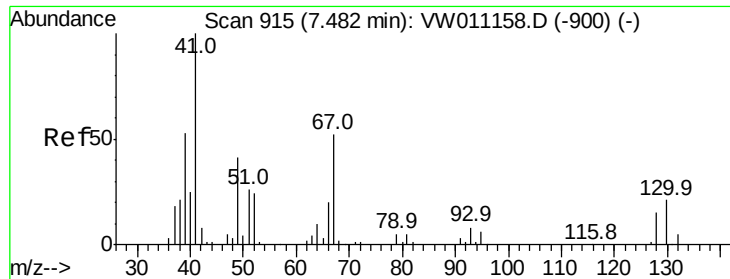
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#40
Benzene
Concen: 21.874 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	78	Resp	191420
Ion Ratio	100		
Lower	19.0		
Upper	28.6		
78	24.5	19.0	28.6





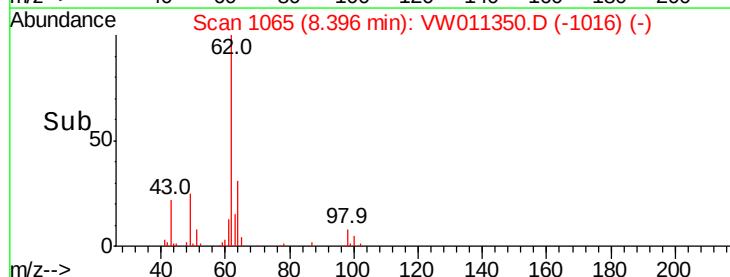
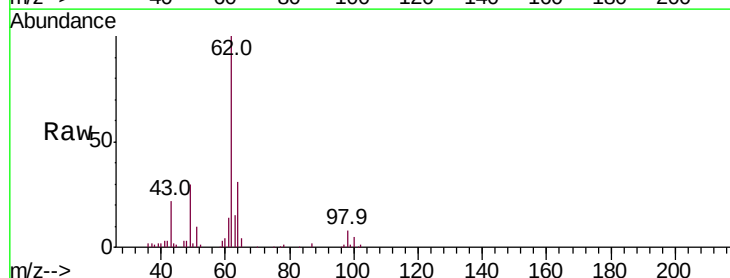
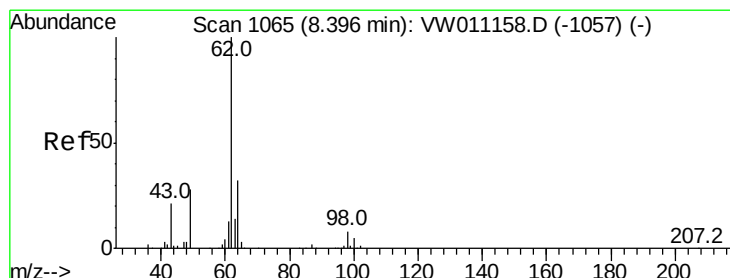
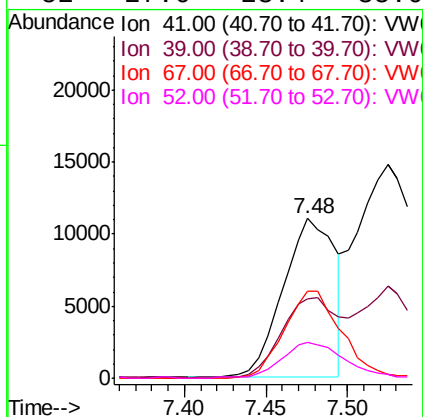
#41
Methacrylonitrile
Concen: 22.459 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.1	48.0	72.0
67	61.0	49.7	74.5
52	27.6	23.4	35.0

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

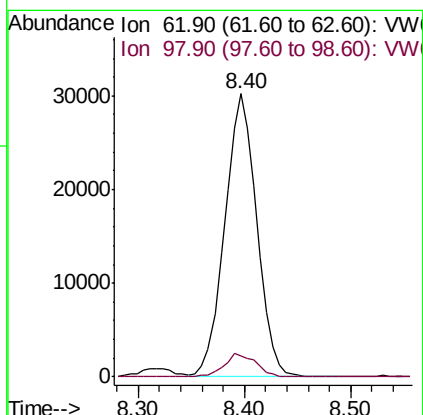
Manual Integrations
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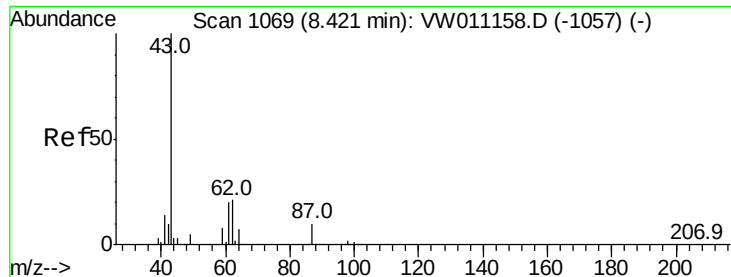
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.398 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 22.730 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

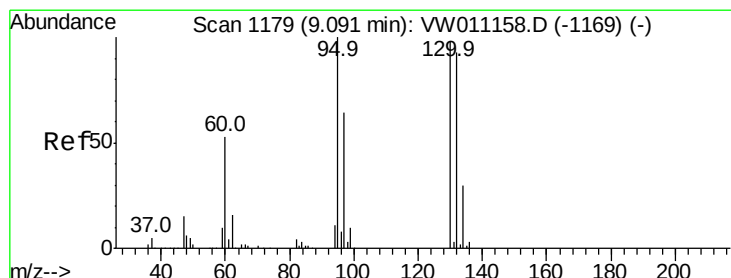
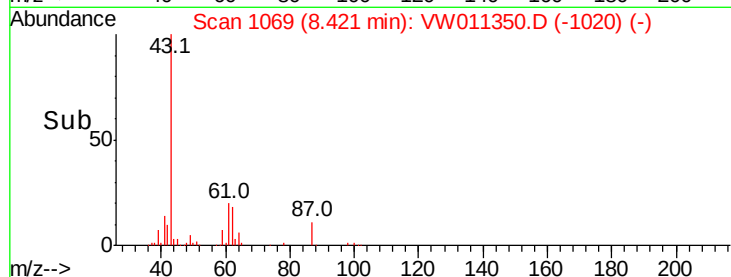
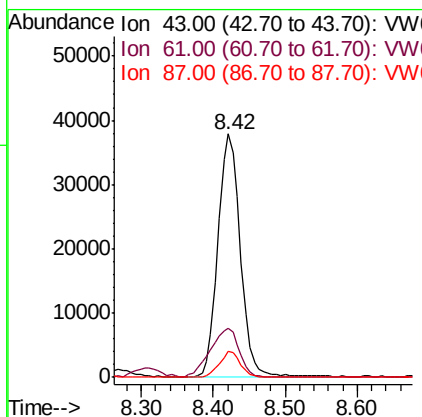
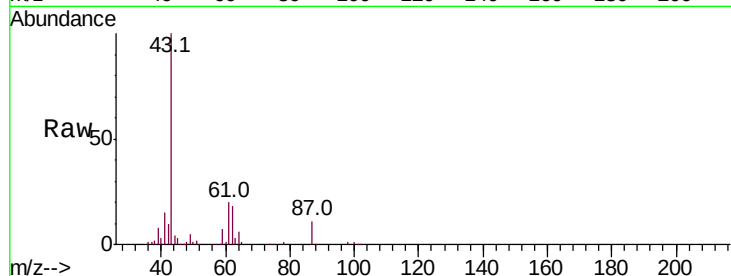
ClientSampleId :

VW0718SBS02

Tot Ion:	43	Resp:	81647
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	10.1	8.1	12.1

Manual Integrations
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7/19/2019 9:51:25 AM



#44

Trichloroethene

Concen: 21.339 ug/l

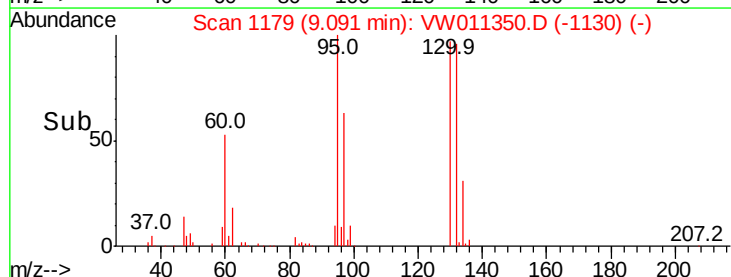
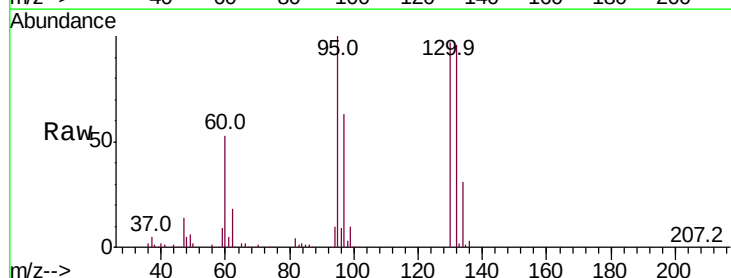
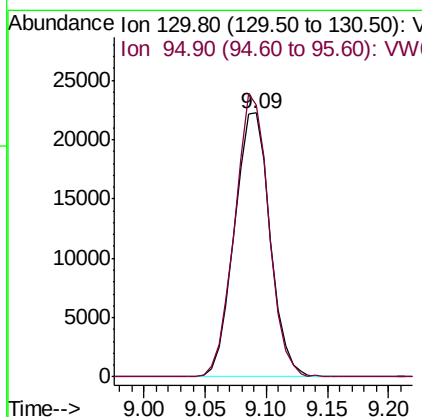
RT: 9.09 min Scan# 1179

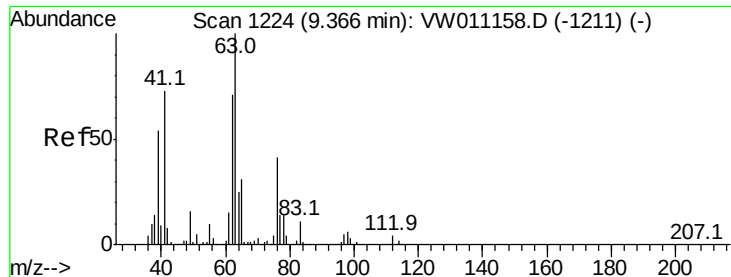
Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	130	Resp:	44937
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.6





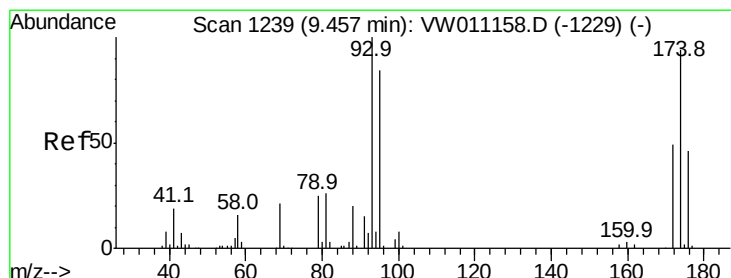
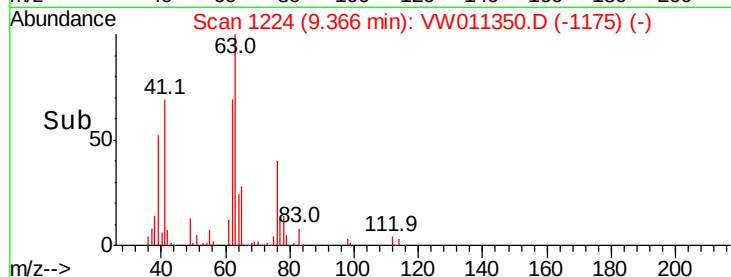
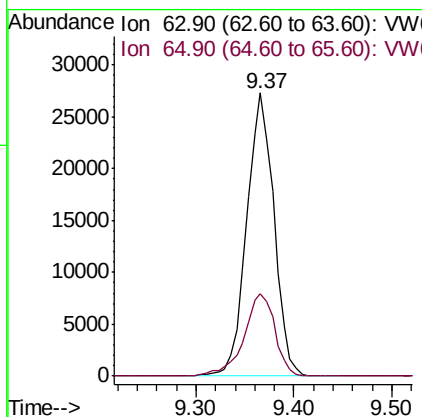
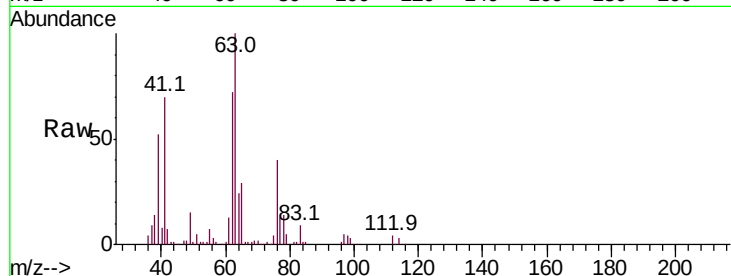
#45
 1,2-Dichloropropane
 Concen: 22.319 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion: 63 Resp: 52892
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.4 36.6

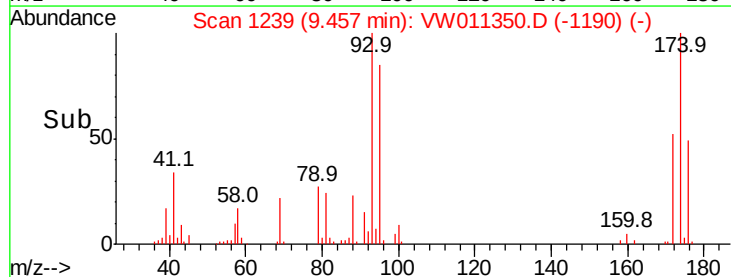
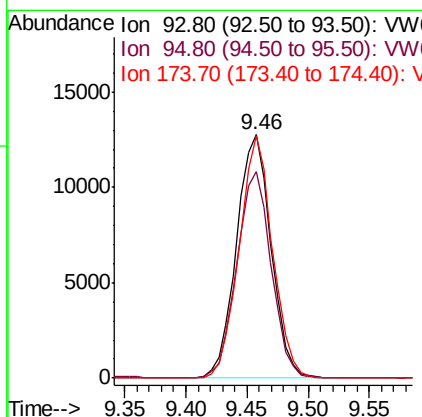
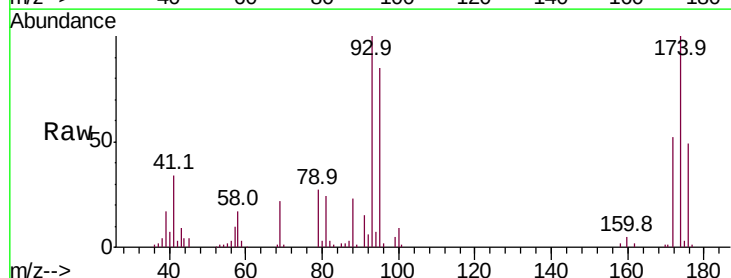
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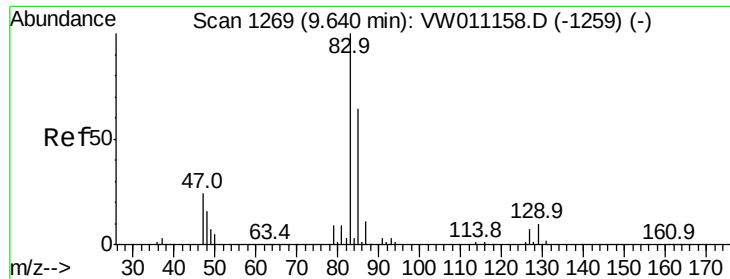
MMDadoda
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#46
 Dibromomethane
 Concen: 22.442 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 93 Resp: 24983
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.2 100.8
 174 96.0 76.3 114.5





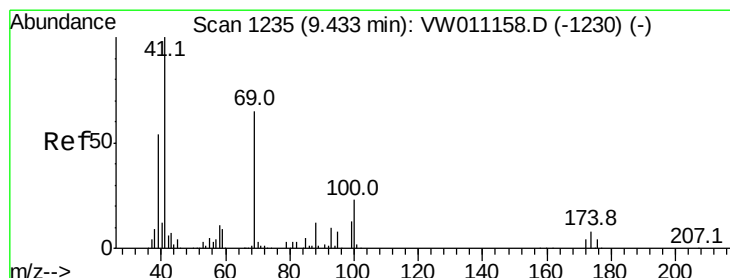
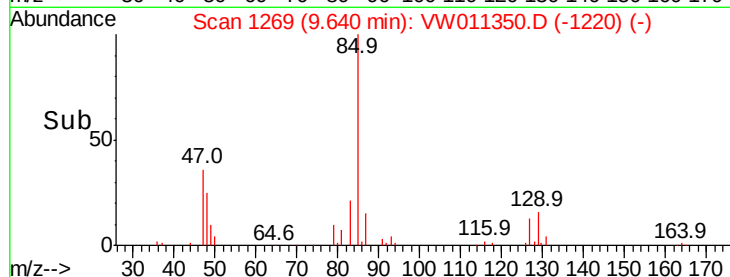
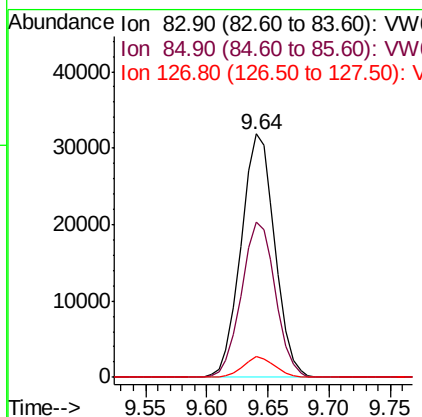
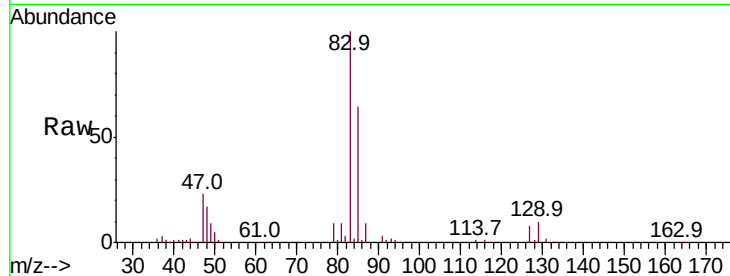
#47
Bromodichloromethane
Concen: 21.365 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	51.0	76.4	
127	8.4	6.0	9.0	

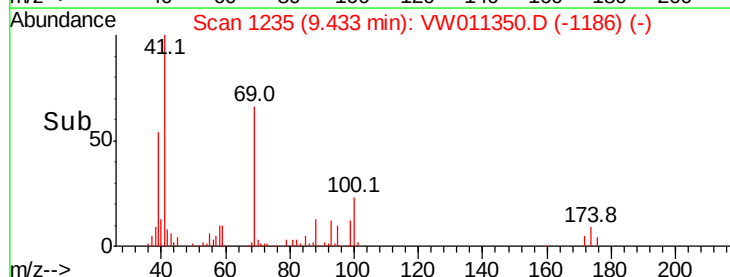
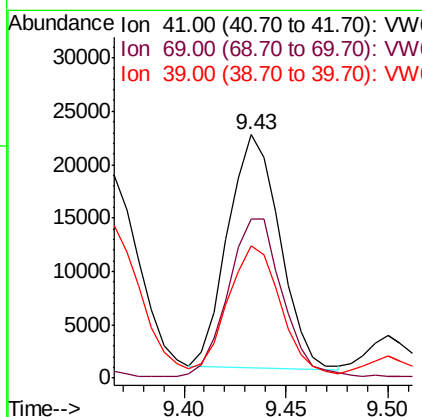
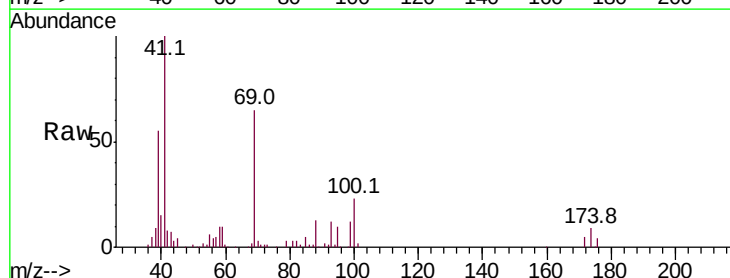
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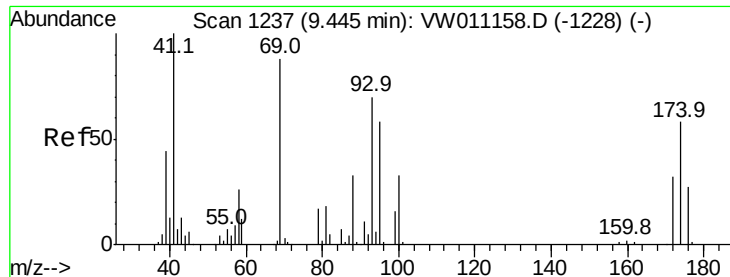
MMDadoda
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#48
Methyl methacrylate
Concen: 22.374 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	72.5	56.0	84.0	
39	58.4	43.5	65.3	





#49

1,4-Dioxane

Concen: 495.874 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD02

Tot Ion: 88 Resp: 9214

Ion Ratio Lower Upper

88 100

43 36.4 33.4 50.0

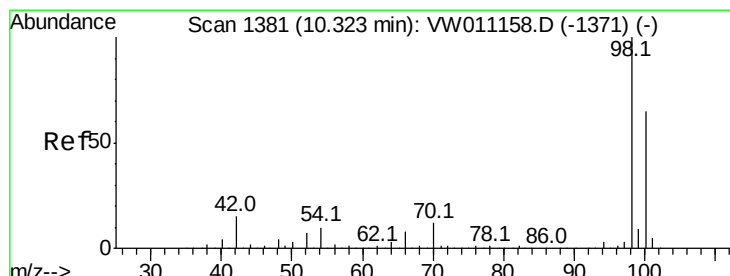
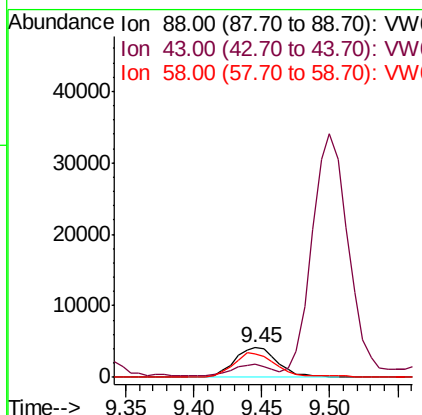
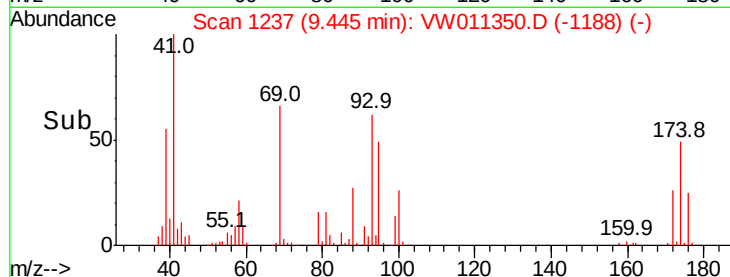
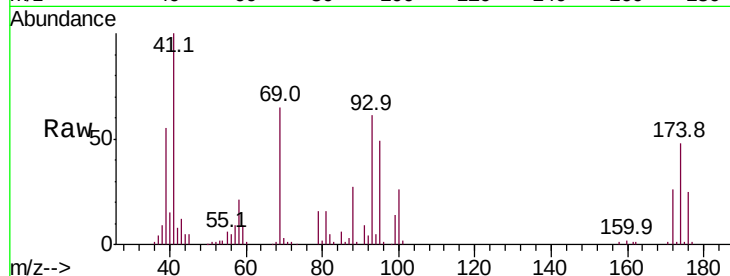
58 83.9 64.5 96.7

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#50

Toluene-d8

Concen: 49.624 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011350.D

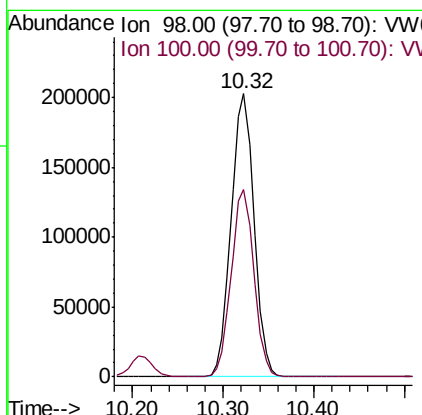
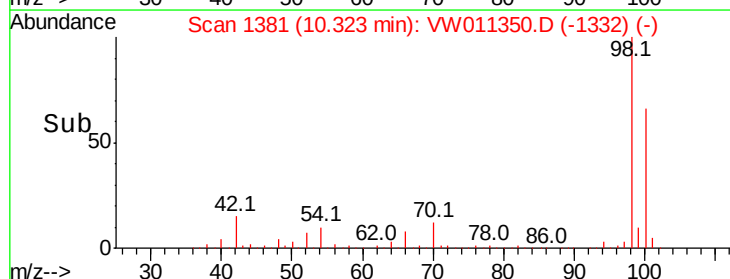
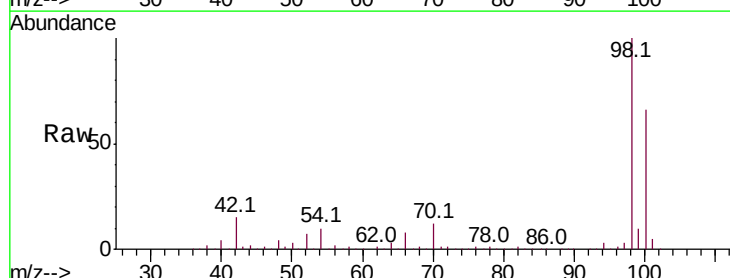
Acq: 18 Jul 2019 23:50

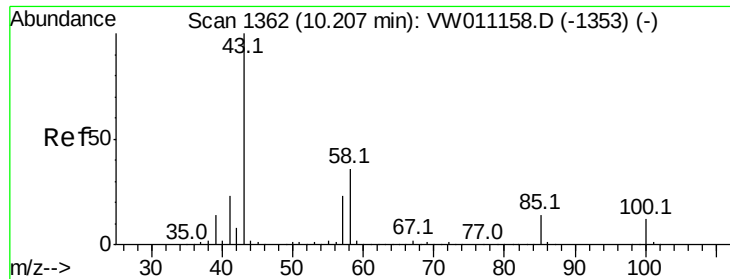
Tgt Ion: 98 Resp: 355518

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 119.471 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 43 Resp: 224172

Ion Ratio Lower Upper

43 100

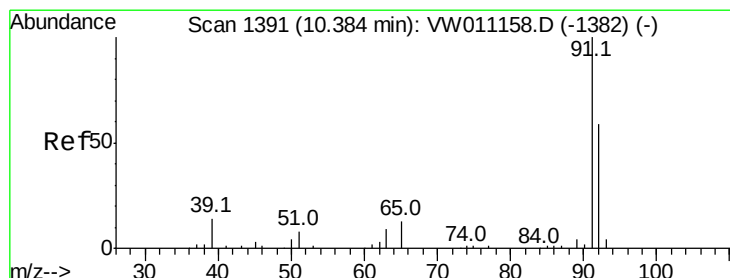
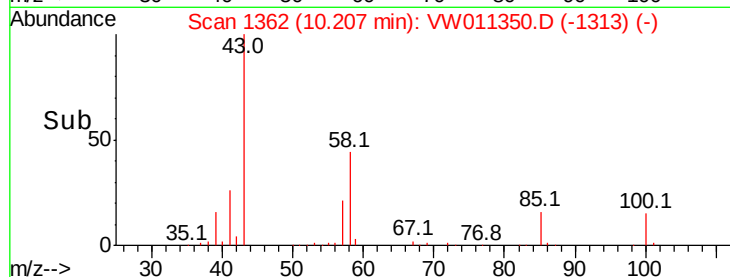
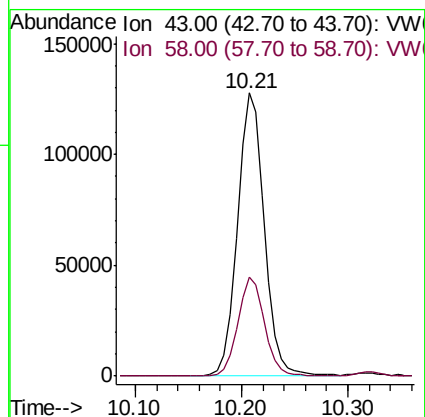
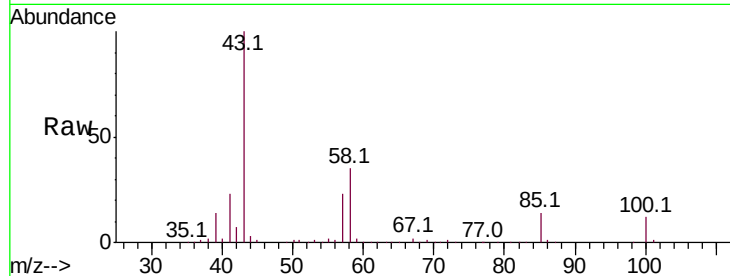
58 35.0 28.2 42.2

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#52

Toluene

Concen: 21.782 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011350.D

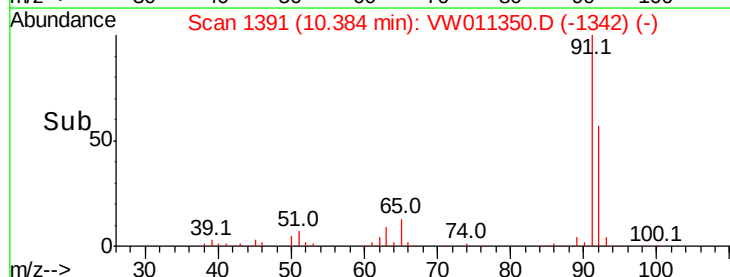
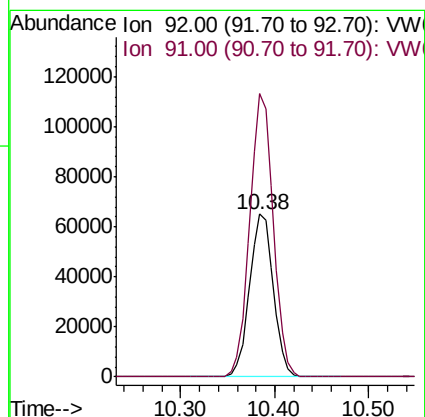
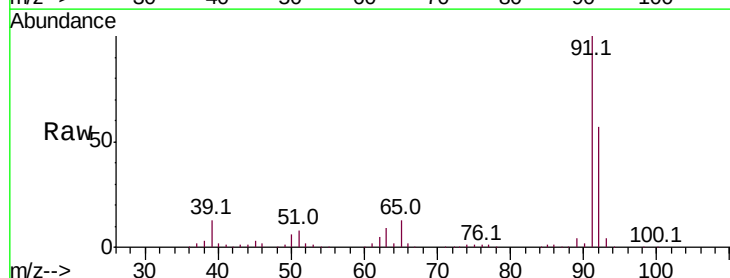
Acq: 18 Jul 2019 23:50

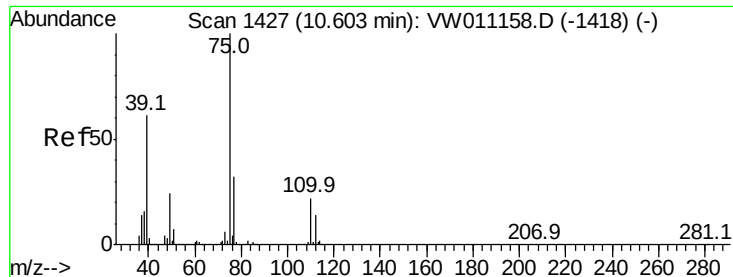
Tgt Ion: 92 Resp: 115633

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.332 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W

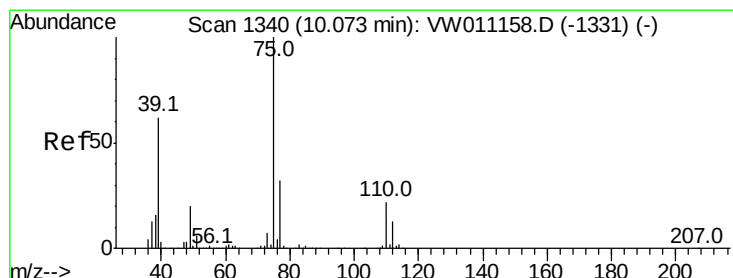
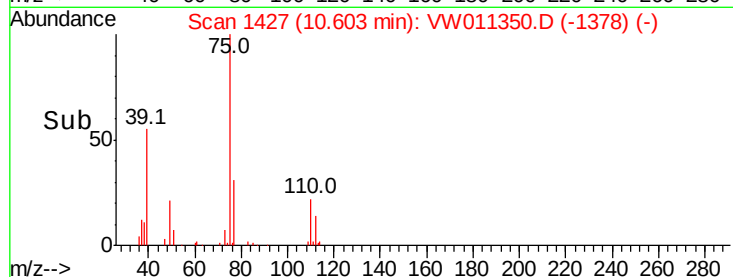
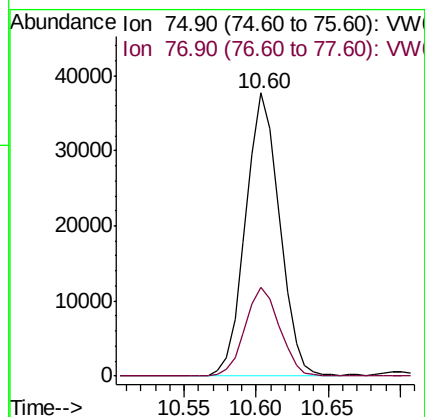
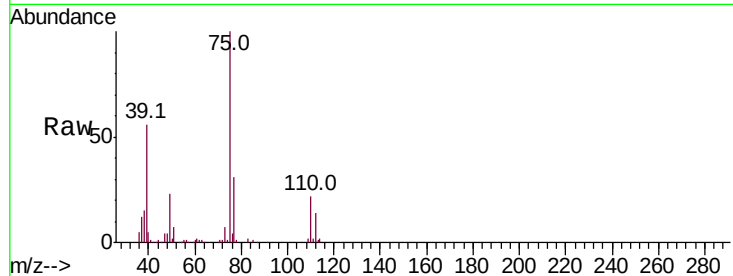
ClientSampleId :
VW0718SBS02

Tot Ion: 75 Resp: 61645

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.371 ug/l

RT: 10.07 min Scan# 1340

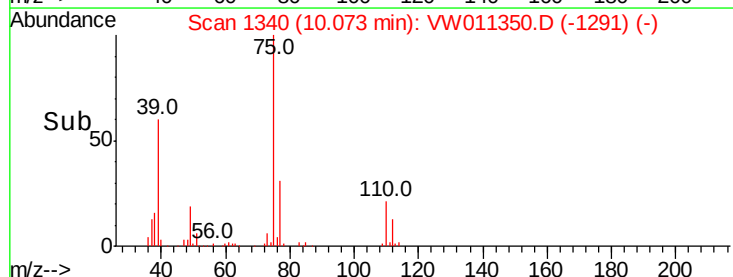
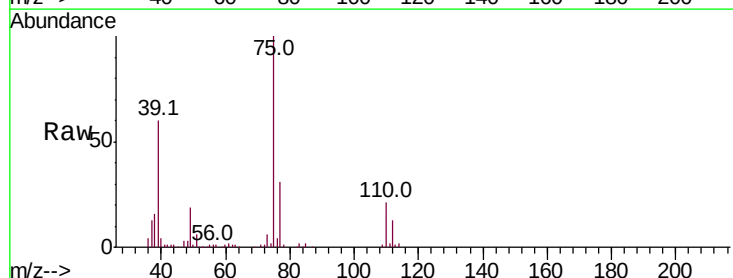
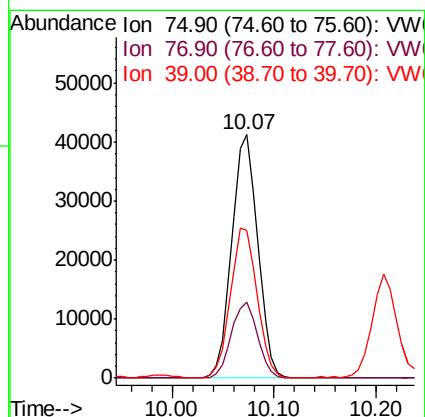
Delta R.T. 0.00 min

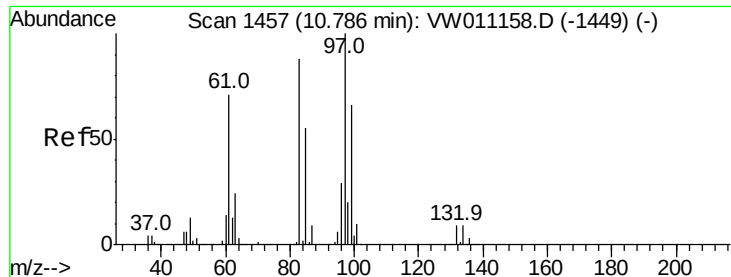
Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion: 75 Resp: 72696

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	60.1	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 22.735 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

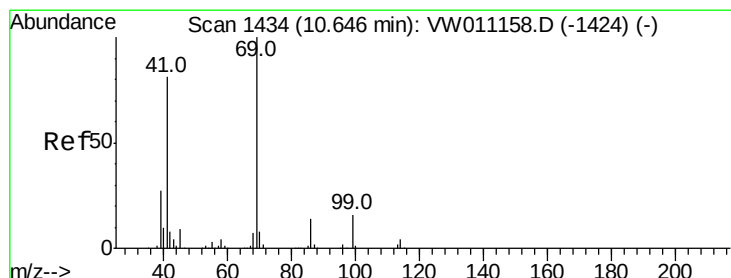
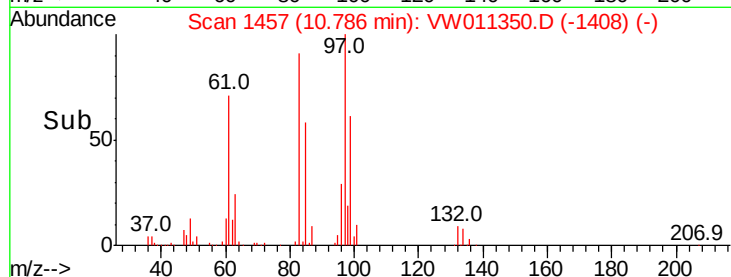
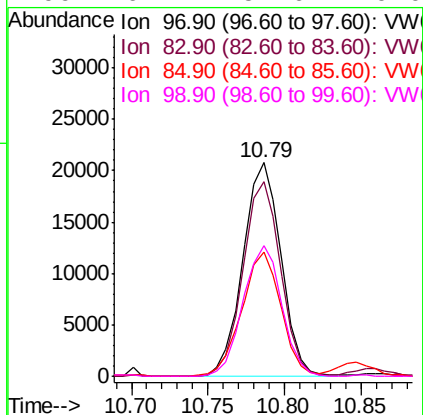
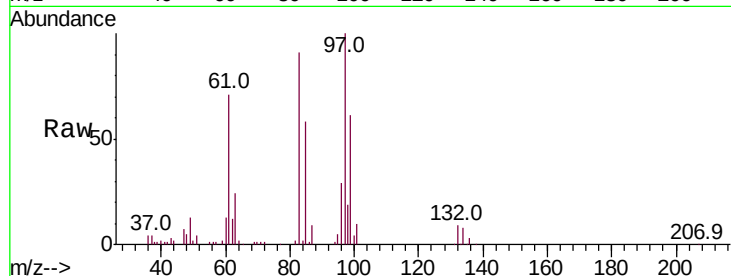
ClientSampleId :

VW0718SBS02

Tot Ion:	97	Resp:	35905
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.2	105.4
85	58.0	44.2	66.2
99	61.1	52.6	79.0

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#56

Ethyl methacrylate

Concen: 22.416 ug/l

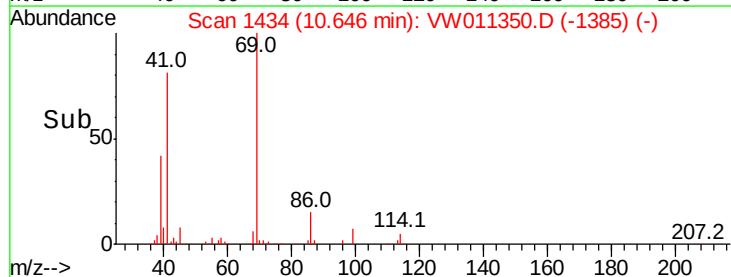
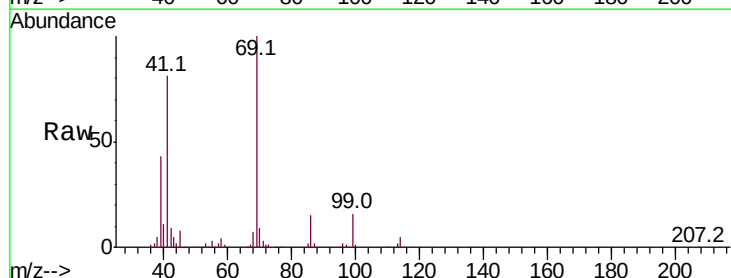
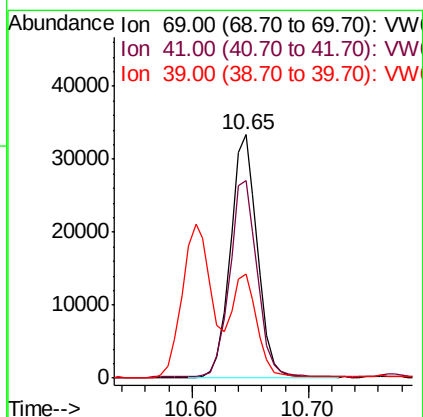
RT: 10.65 min Scan# 1434

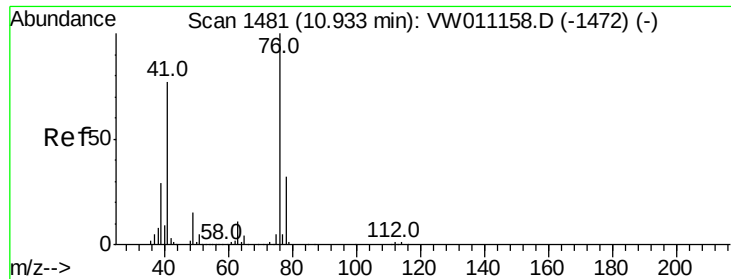
Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	69	Resp:	53897
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.5	99.7
39	38.9	32.5	48.7





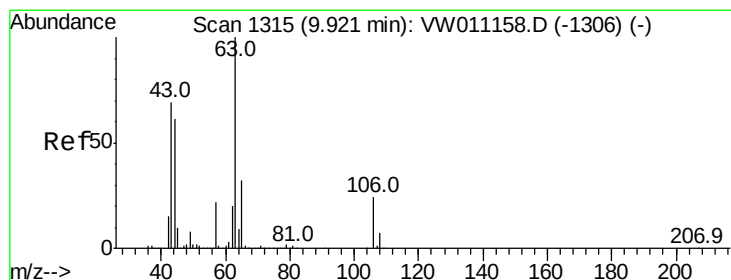
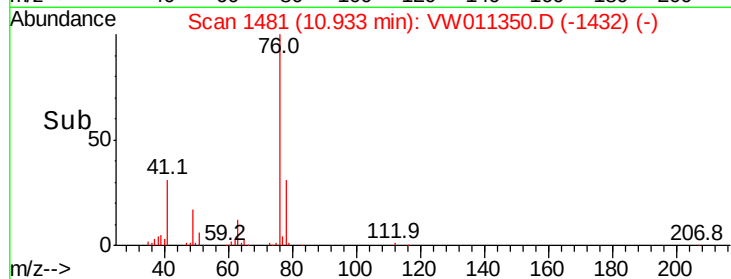
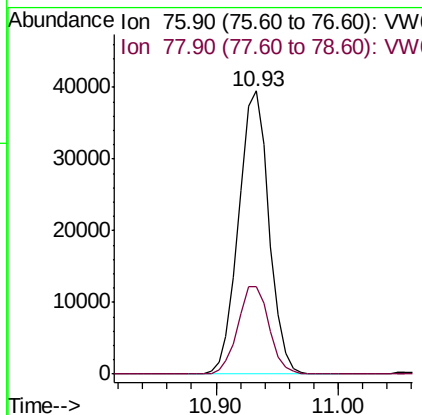
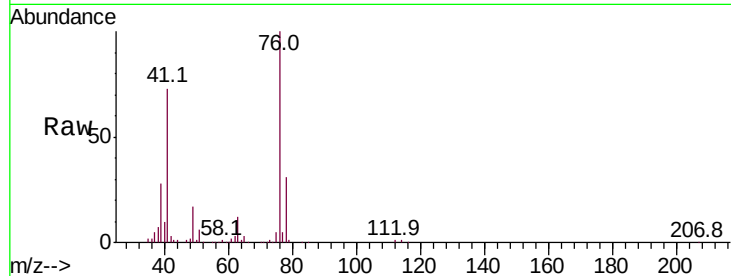
#57
 1,3-Dichloropropane
 Concen: 22.722 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion: 76 Resp: 67855
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

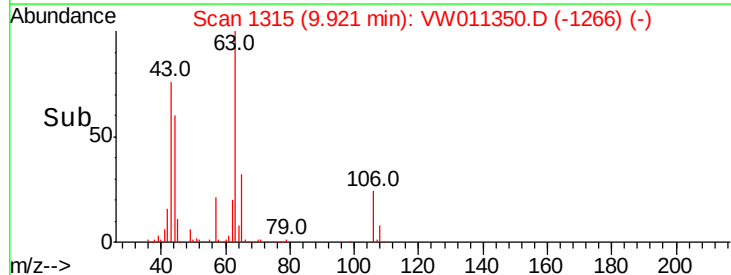
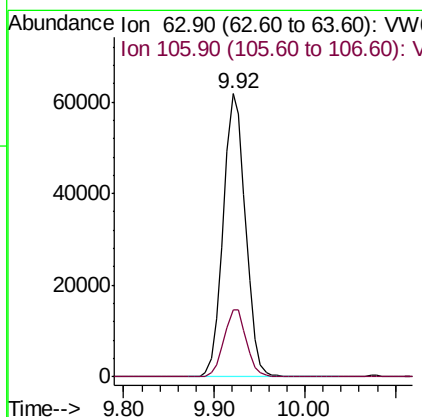
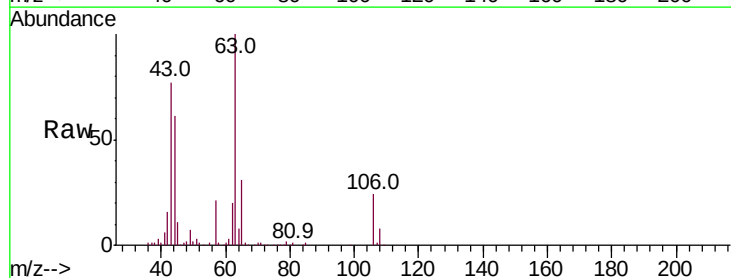
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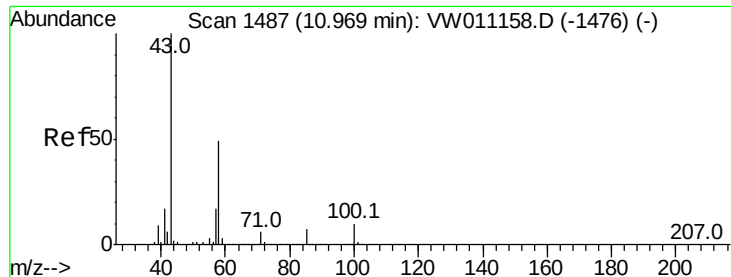
MMDadoda
 7/19/2019 9:51:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.860 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 63 Resp: 105738
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.4 29.0





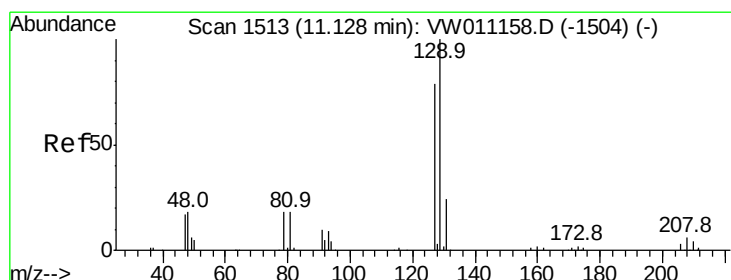
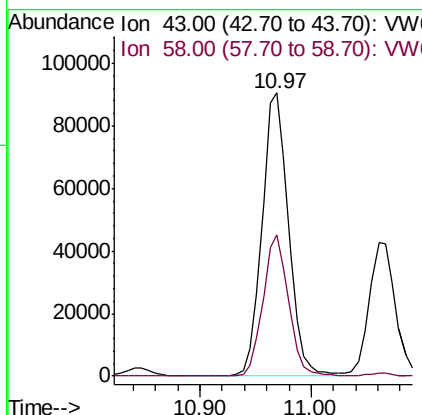
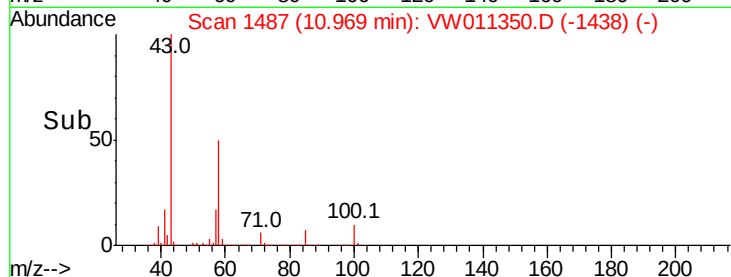
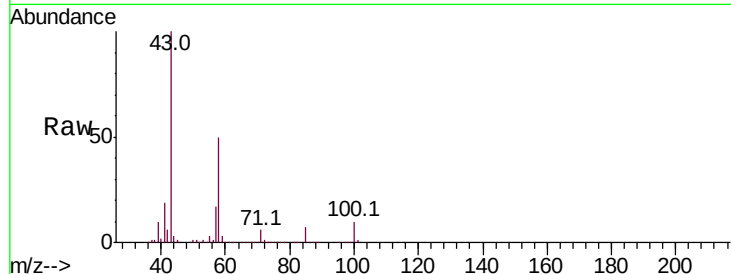
#59
2-Hexanone
Concen: 115.533 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD02

Tot Ion	43	58	Ratio	100	48.3	Resp	150339	Lower	24.4	Upper	73.4
Ion	43	58	Ratio	100	48.3	Resp	150339	Lower	24.4	Upper	73.4

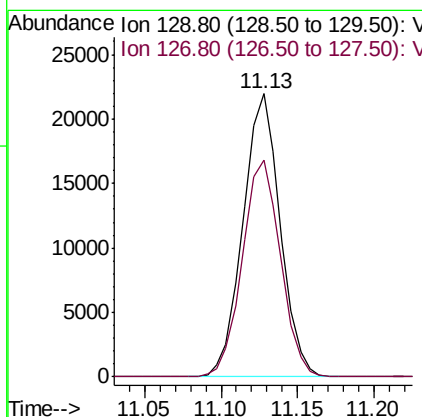
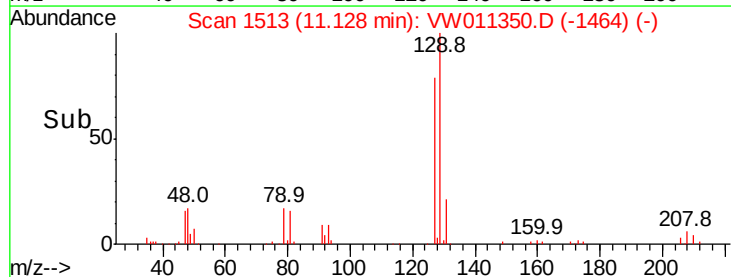
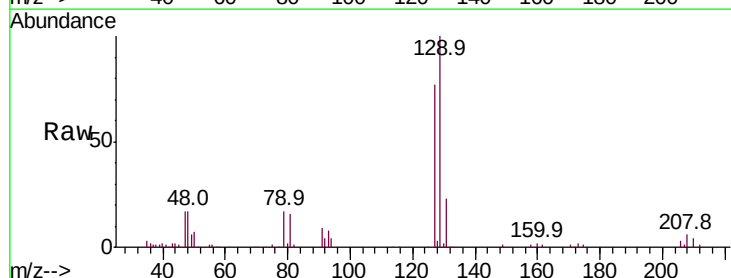
Manual Integrations
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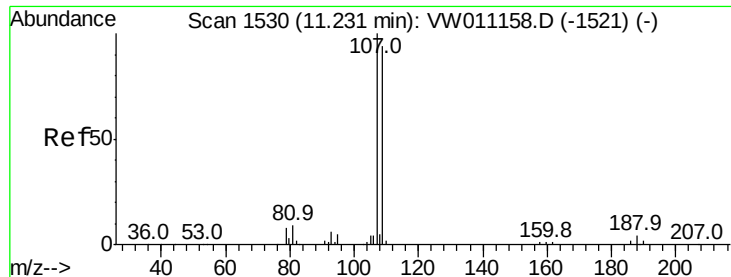
MMDadoda
7/19/2019 9:51:25 AM



#60
Dibromochloromethane
Concen: 21.380 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	129	127	Ratio	100	79.0	Resp	37025	Lower	39.1	Upper	117.3
Ion	129	127	Ratio	100	79.0	Resp	37025	Lower	39.1	Upper	117.3





#61

1,2-Dibromoethane

Concen: 22.699 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion:107 Resp: 33956

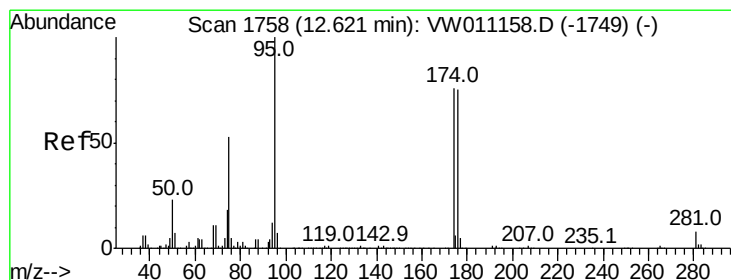
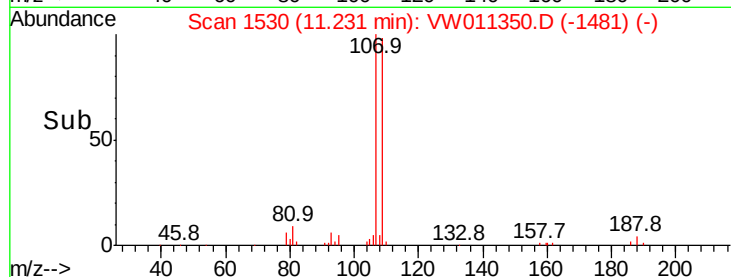
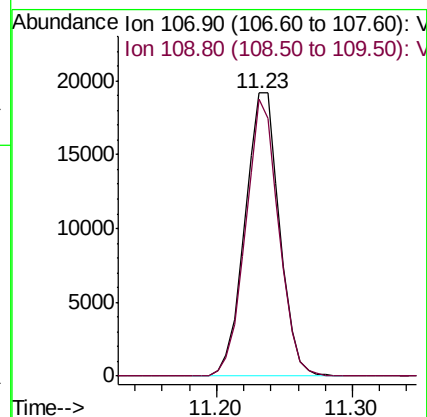
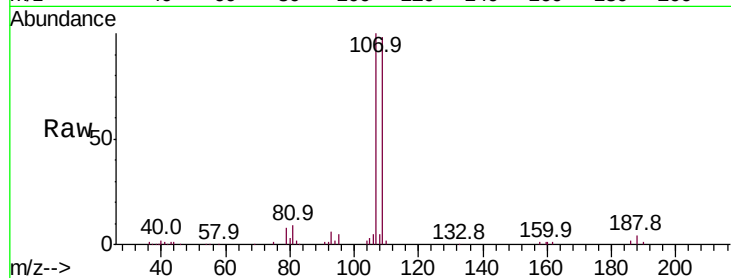
Ion Ratio Lower Upper

107 100

109 94.1 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 50.367 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

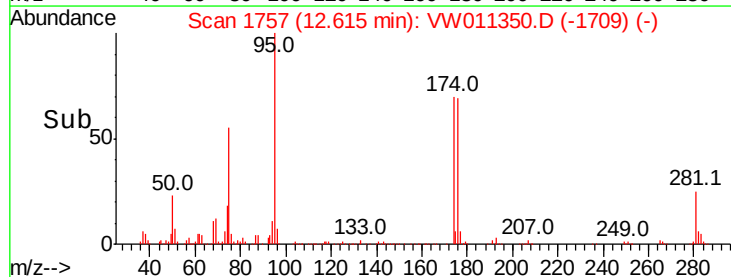
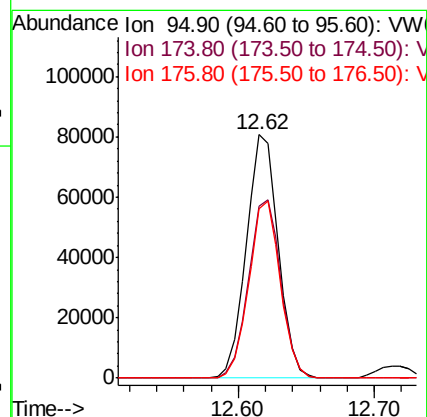
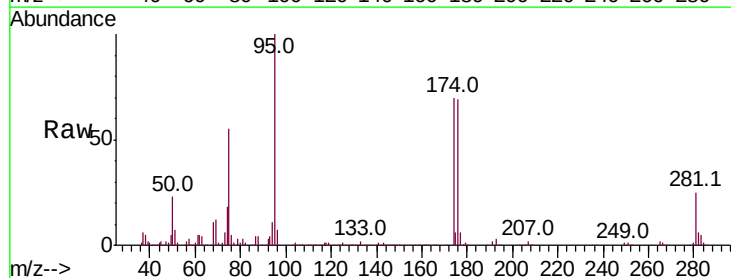
Tgt Ion: 95 Resp: 132261

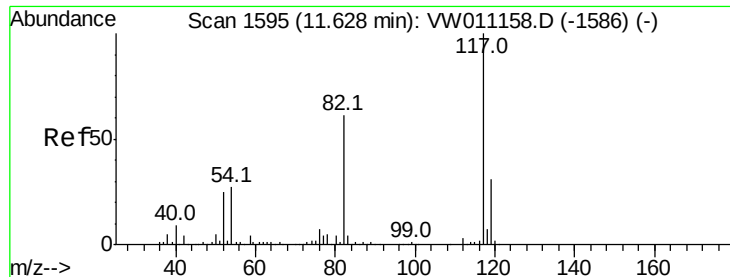
Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.6

176 72.0 0.0 144.6





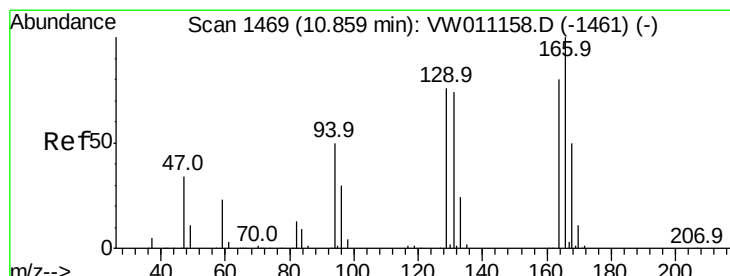
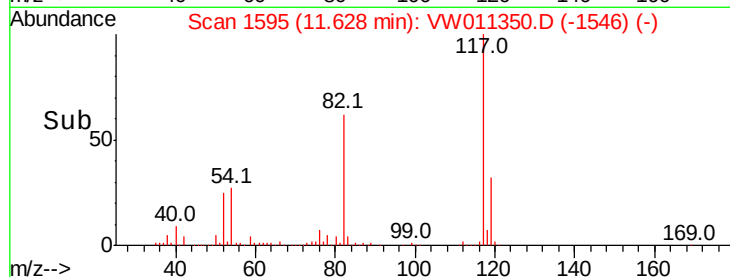
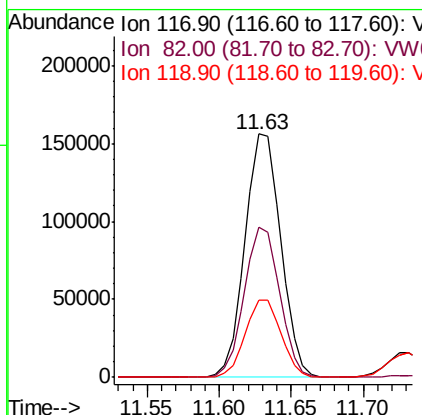
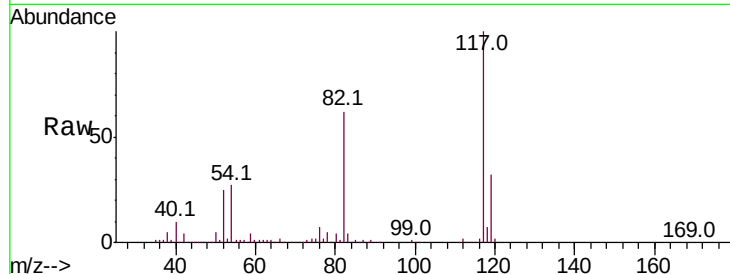
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268928		
82	61.8	48.9	73.3	
119	31.8	25.0	37.6	

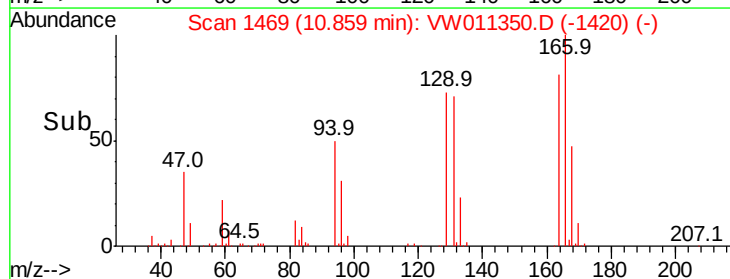
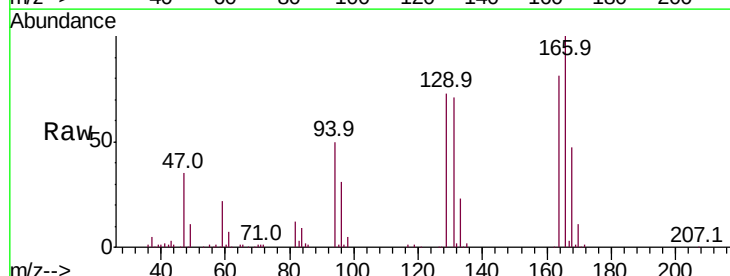
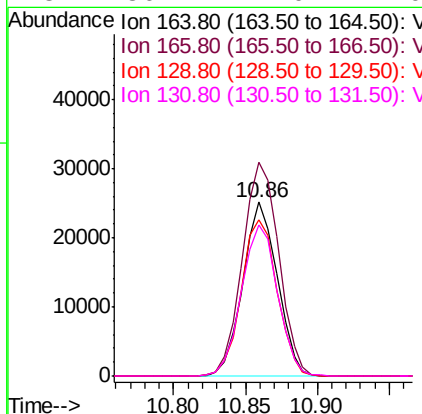
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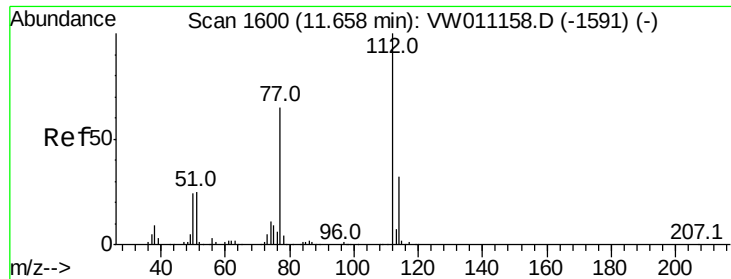
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#64
Tetrachloroethene
Concen: 22.914 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41582		
166	122.9	99.7	149.5	
129	89.7	76.2	114.2	
131	86.7	74.0	111.0	





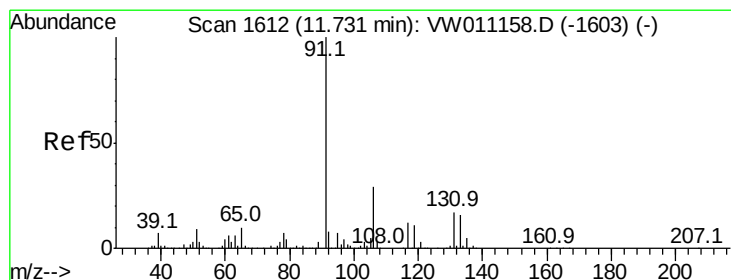
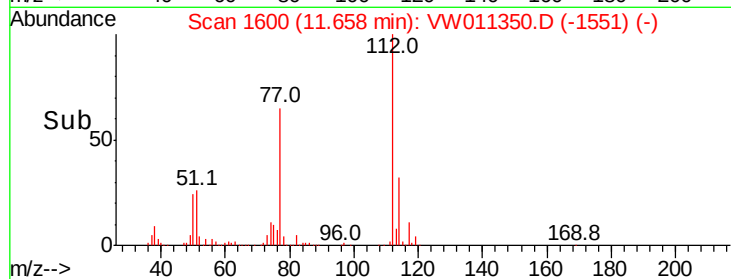
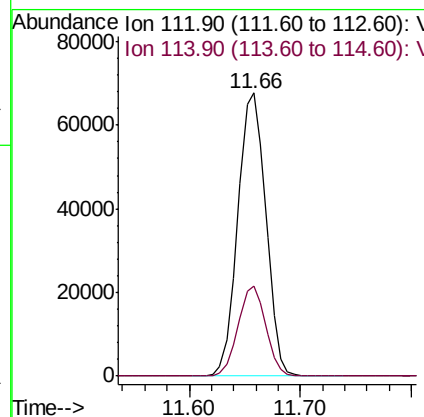
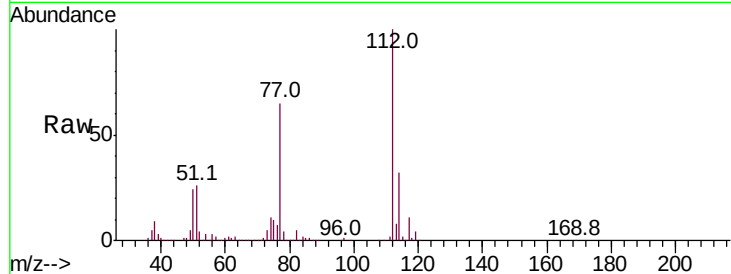
#65
Chlorobenzene
Concen: 21.623 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	118225		
114	32.0	25.5	38.3	

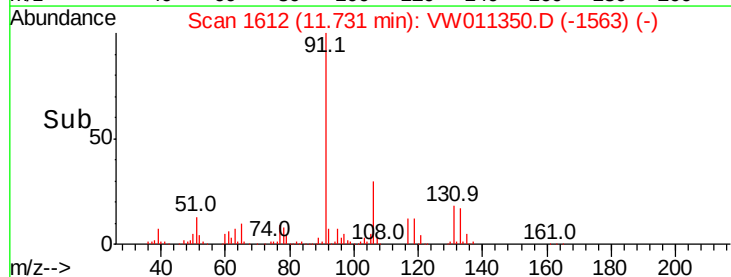
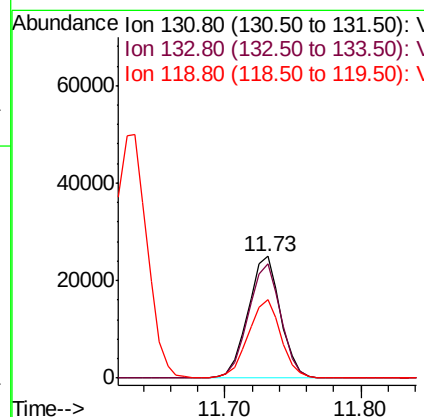
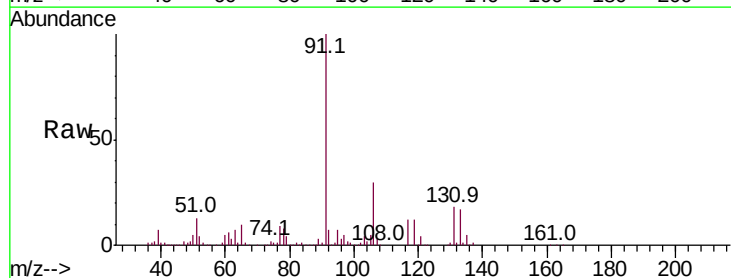
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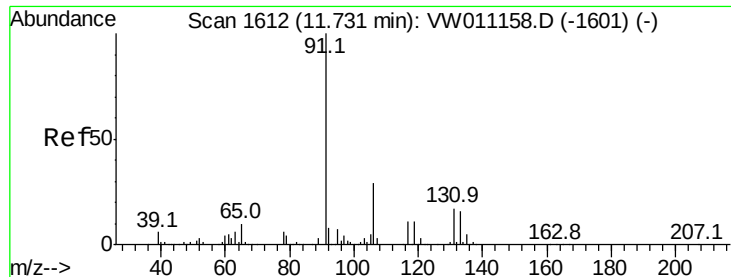
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.611 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	41604		
133	94.5	47.9	143.8	
119	65.2	33.1	99.2	





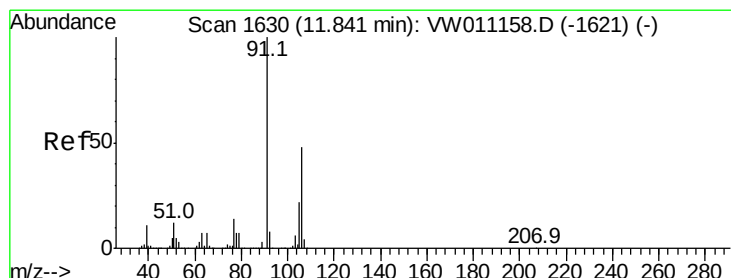
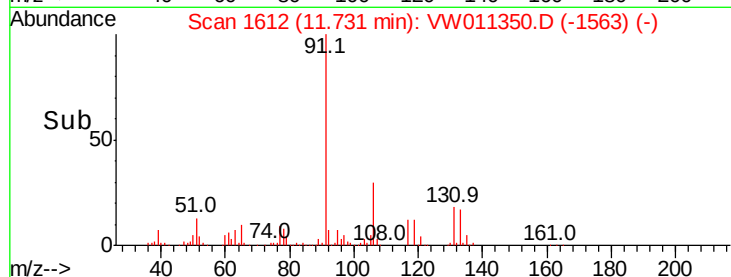
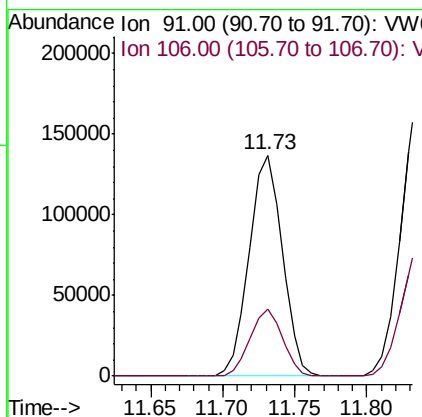
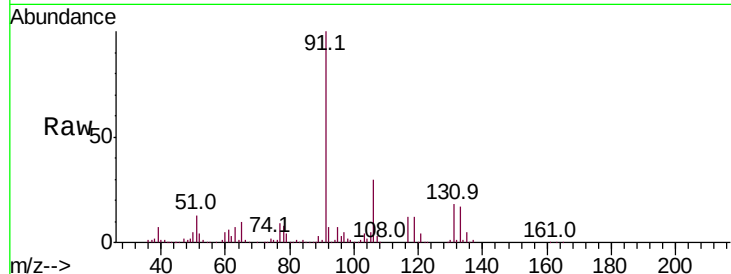
#67
Ethyl Benzene
Concen: 20.930 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.5	35.3

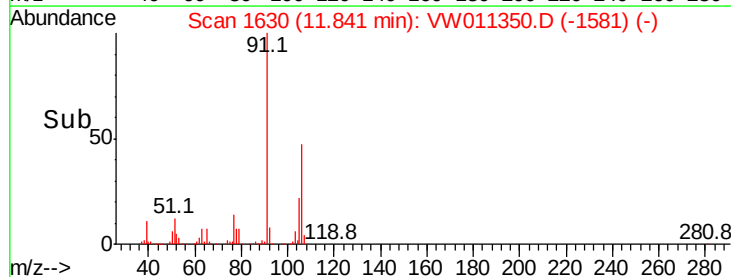
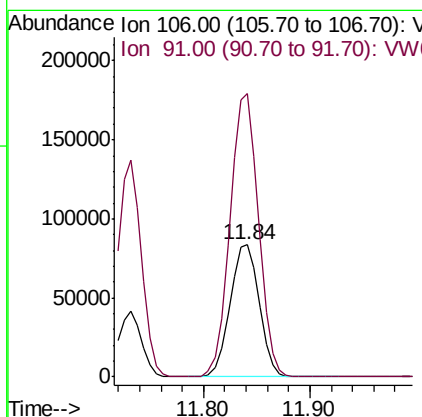
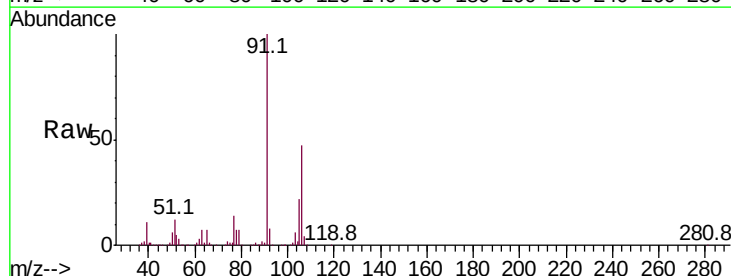
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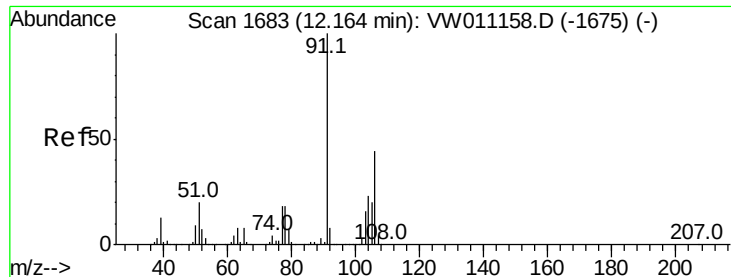
MMDadoda
7/19/2019 9:51:25 AM



#68
m/p-Xylenes
Concen: 42.252 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.1	167.7	251.5





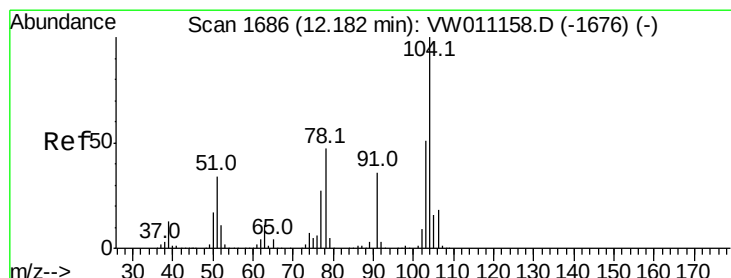
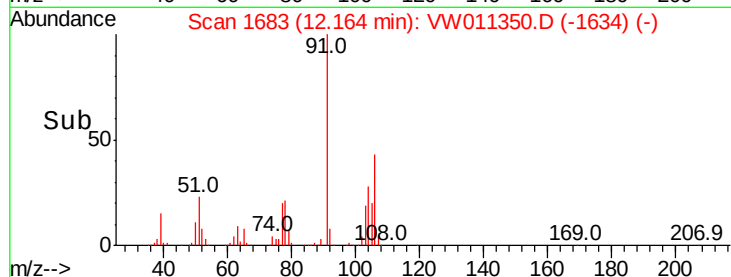
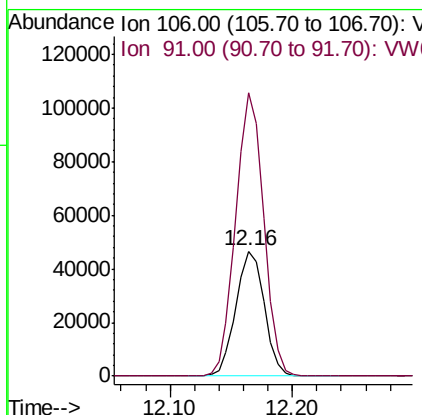
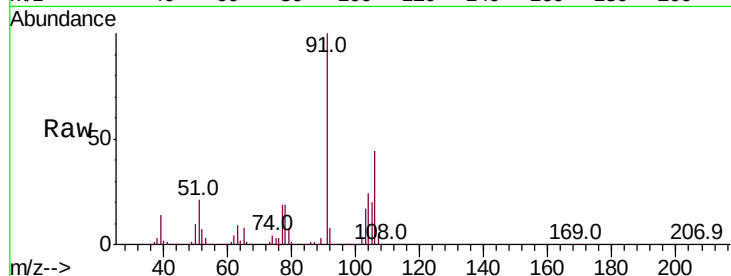
#69
o-Xylene
Concen: 20.974 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion:106 Resp: 74869
Ion Ratio Lower Upper
106 100
91 223.8 110.7 332.1

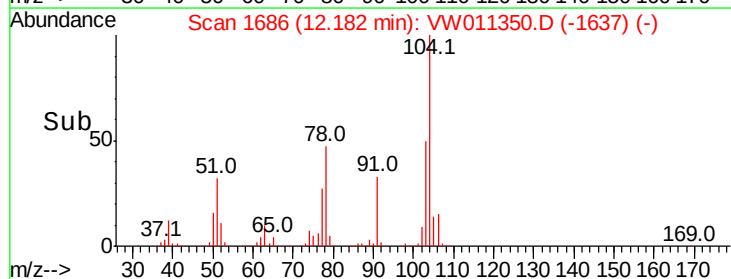
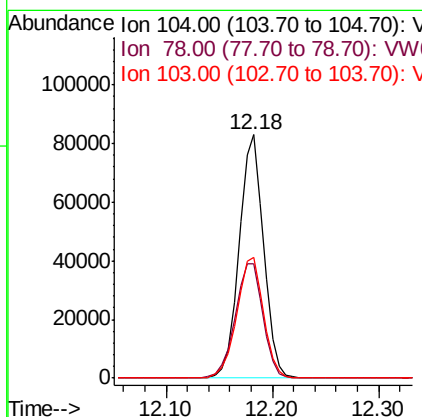
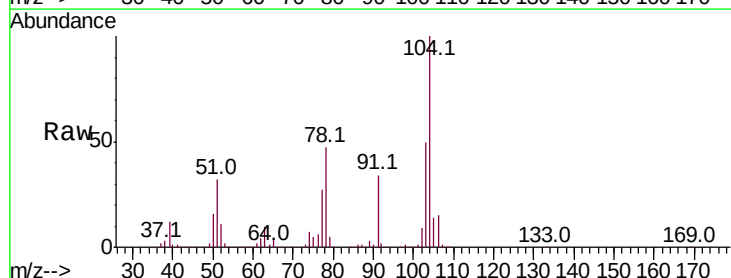
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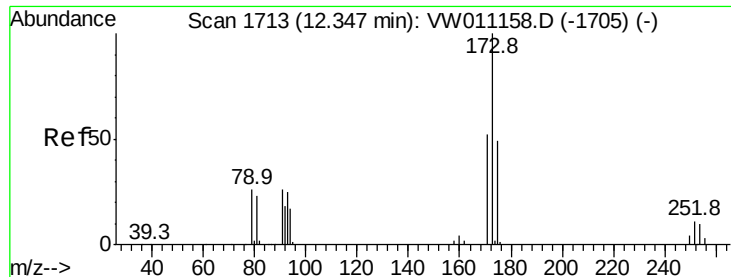
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#70
Styrene
Concen: 21.694 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:104 Resp: 133651
Ion Ratio Lower Upper
104 100
78 53.4 43.1 64.7
103 54.3 44.1 66.1





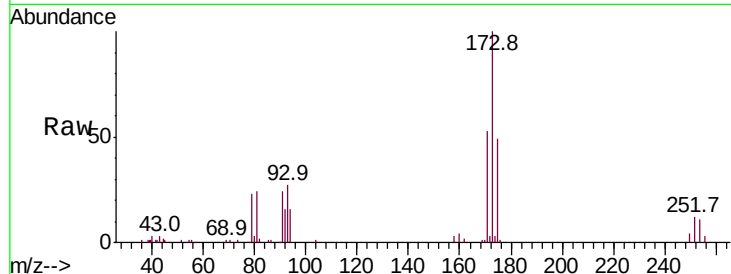
#71
Bromoform
Concen: 20.640 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.0	0.0	0.0

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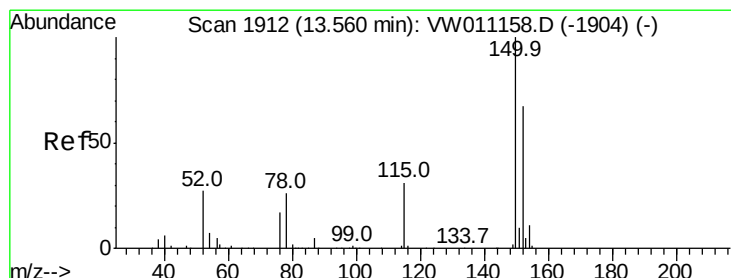
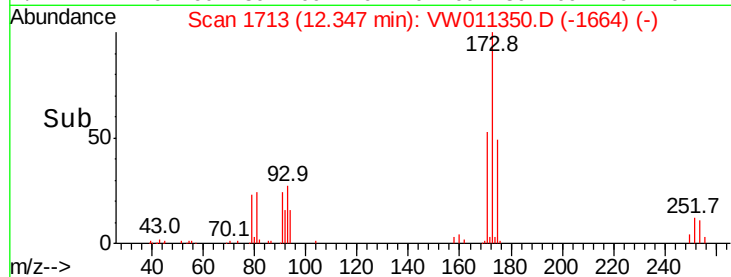
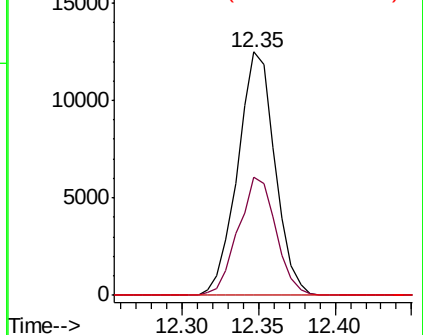


Abundance

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: VW011350.D
Acq: 18 Jul 2019 23:50

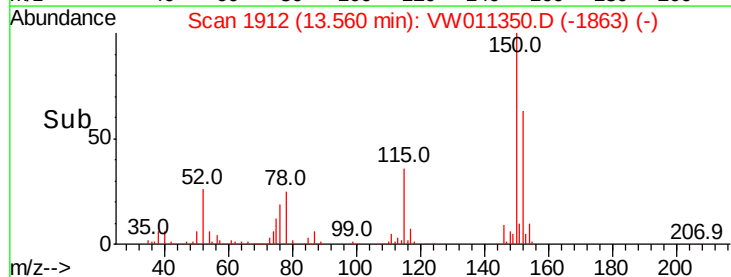
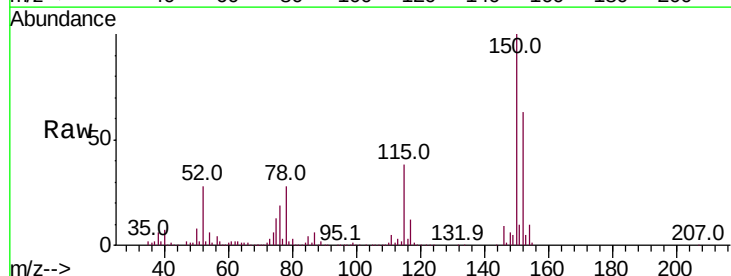
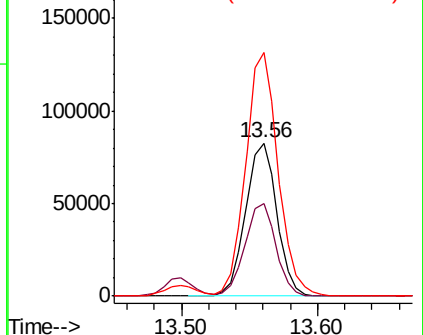
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.3
150	164.4	0.0	346.0

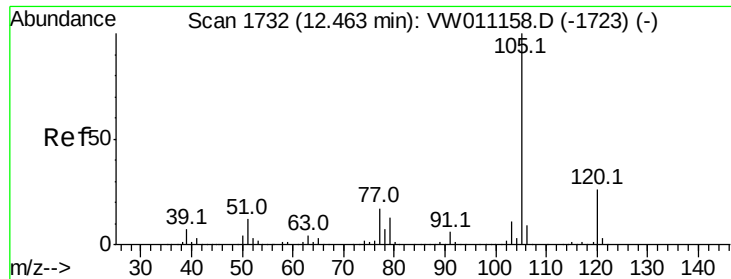
Abundance

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: 20.586 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion:105 Resp: 204872

Ion Ratio Lower Upper

105 100

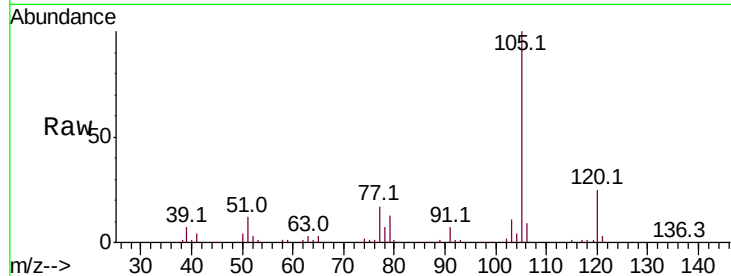
120 25.4 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

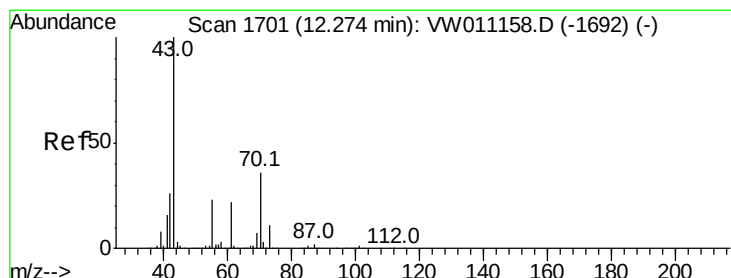
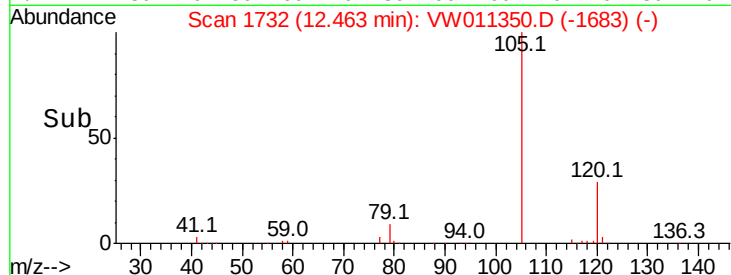
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.105 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion: 43 Resp: 73149

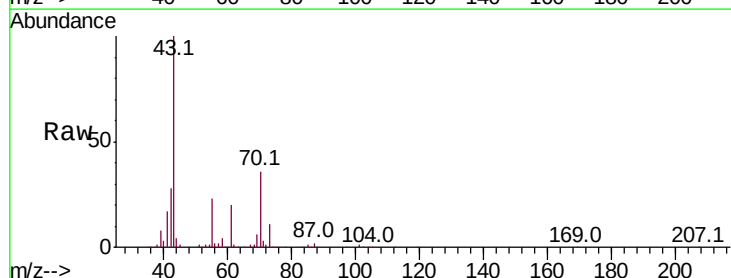
Ion Ratio Lower Upper

43 100

70 36.5 28.5 42.7

55 24.0 18.1 27.1

61 21.4 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

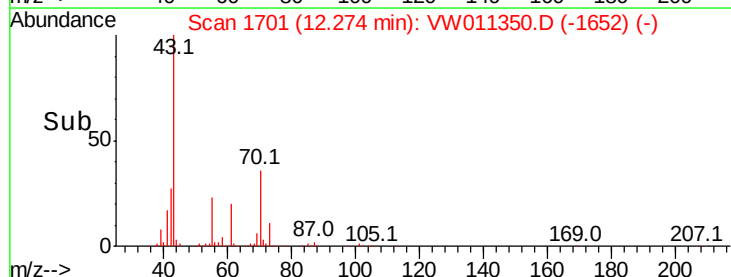
60000

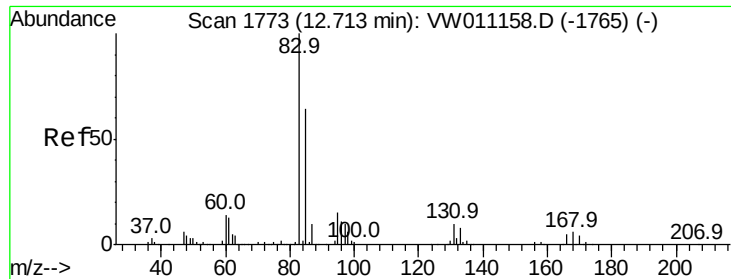
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.890 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

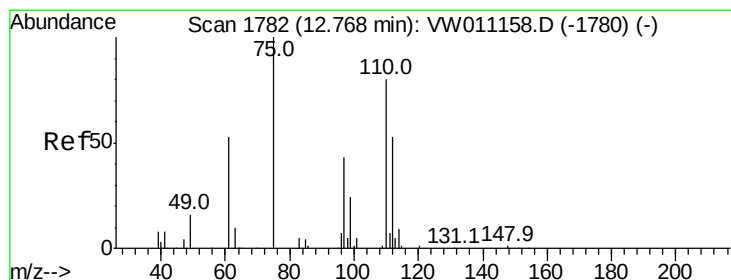
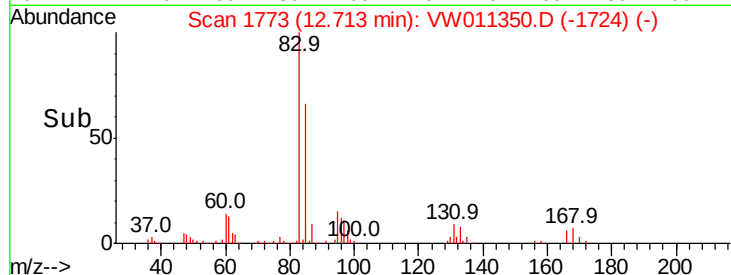
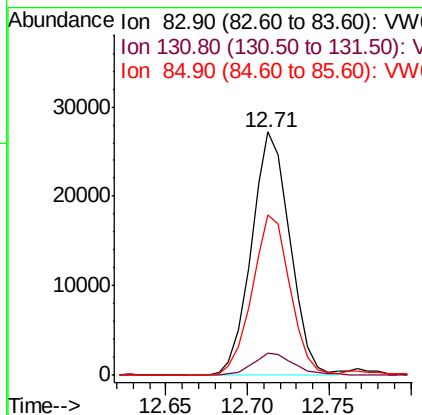
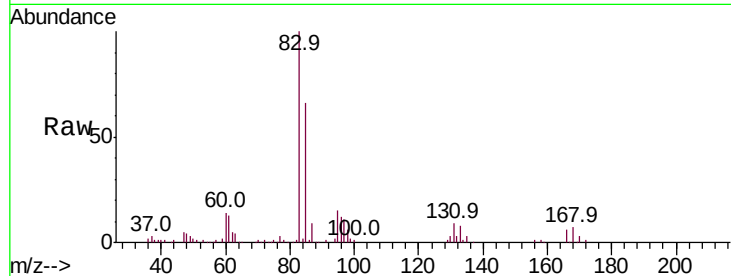
ClientSampleId :

VW0718SBS02

Tot Ion:	83	Resp:	44655
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	65.2	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 20.502 ug/l m

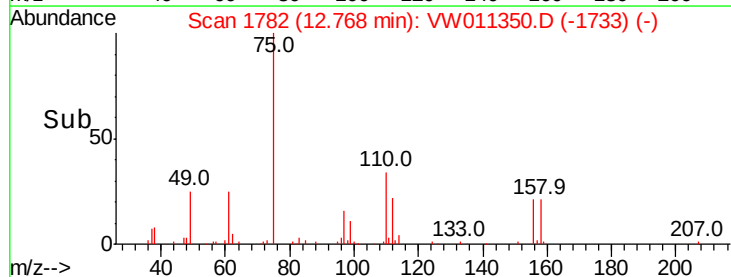
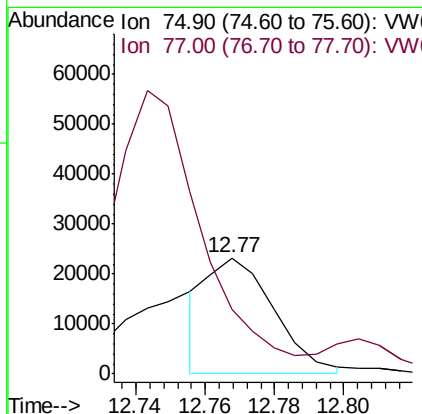
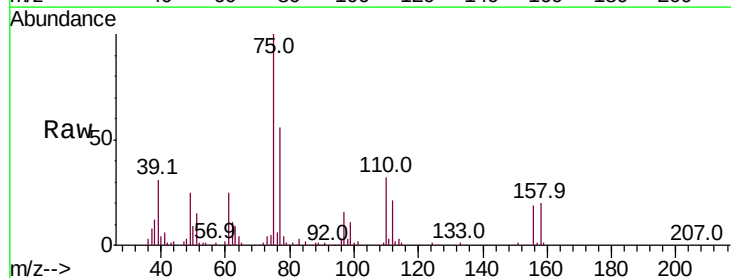
RT: 12.77 min Scan# 1782

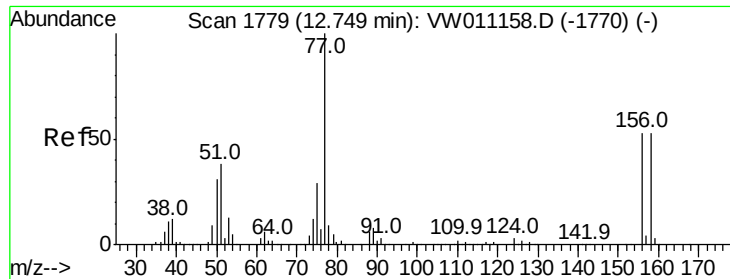
Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion:	75	Resp:	31541
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.717 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion:156 Resp: 48503

Ion Ratio Lower Upper

156 100

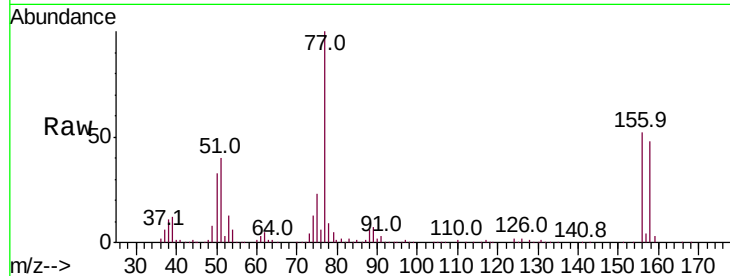
77 215.2 109.0 327.0

158 95.9 48.8 146.3

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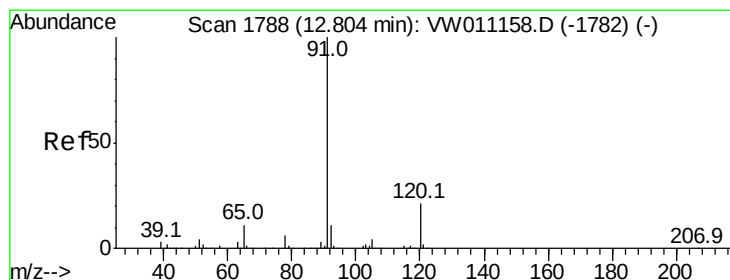
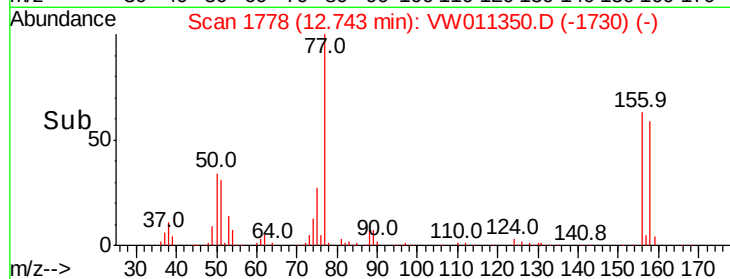
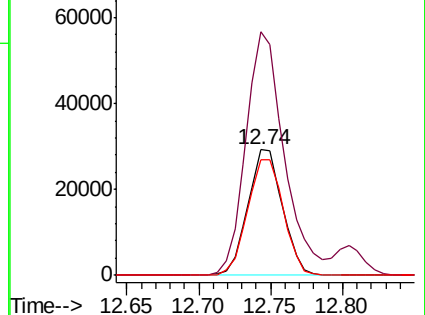
7/19/2019 9:51:25 AM



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: 20.525 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011350.D

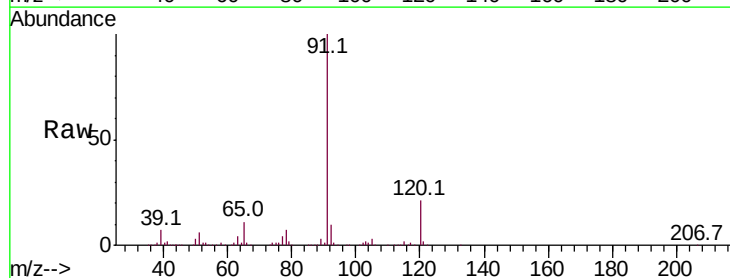
Acq: 18 Jul 2019 23:50

Tgt Ion: 91 Resp: 251621

Ion Ratio Lower Upper

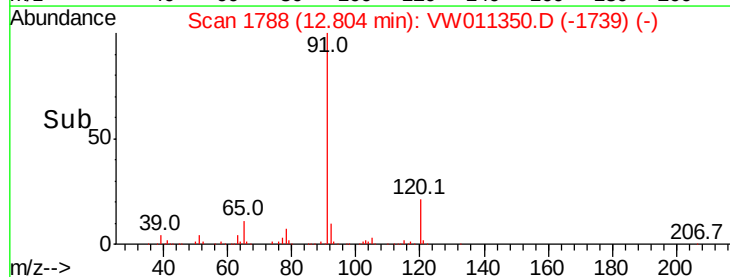
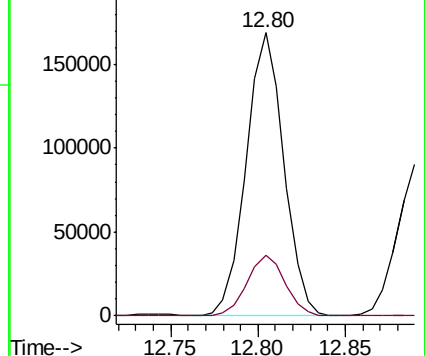
91 100

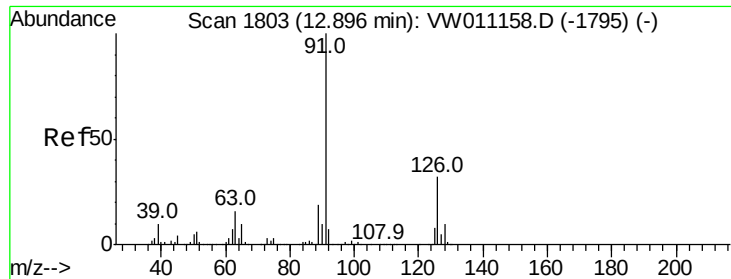
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS02

Tot Ion: 91 Resp: 146975

Ion Ratio Lower Upper

91 100

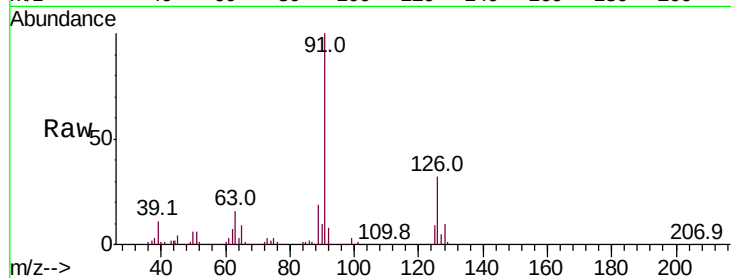
126 32.1 15.8 47.3

Manual Integrations

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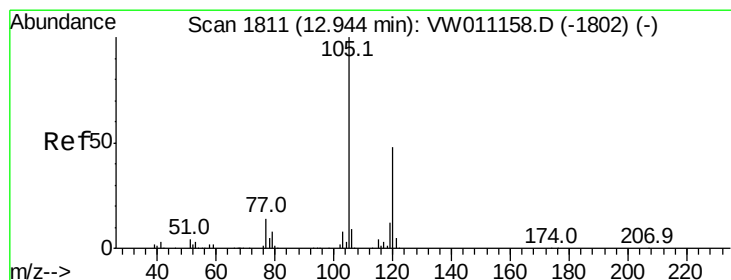
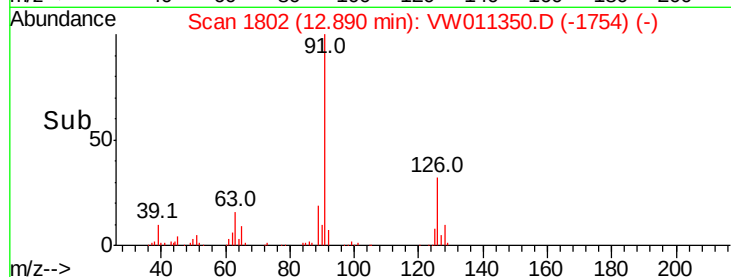
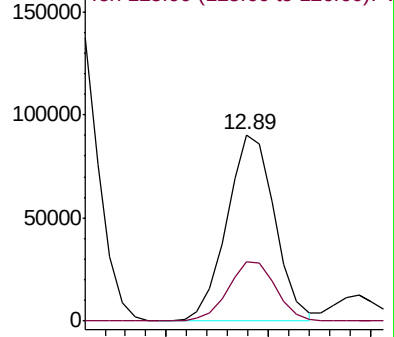
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.041 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011350.D

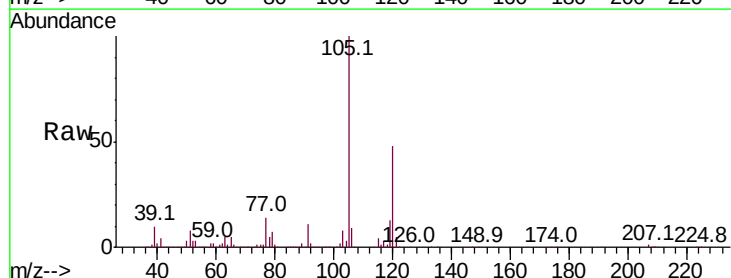
Acq: 18 Jul 2019 23:50

Tgt Ion:105 Resp: 177896

Ion Ratio Lower Upper

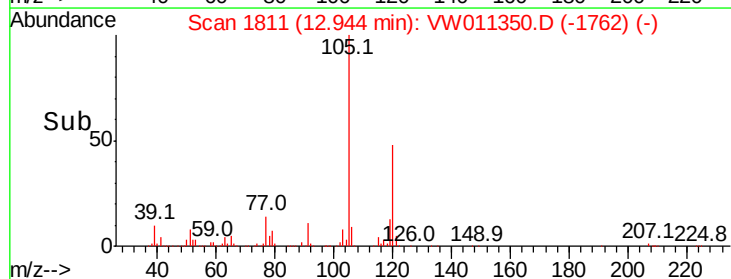
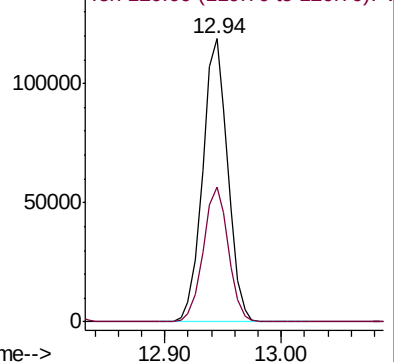
105 100

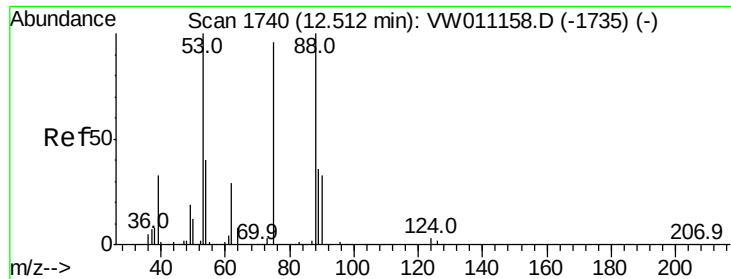
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





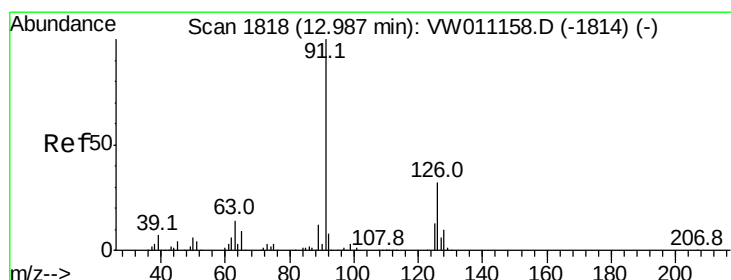
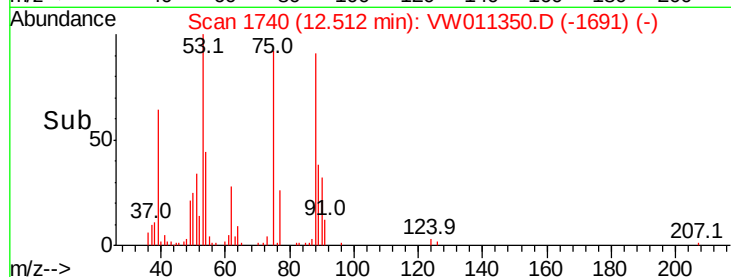
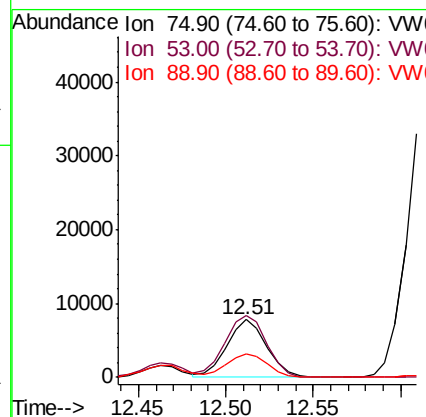
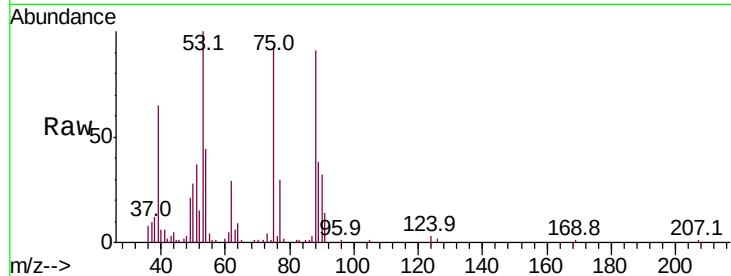
#81
trans-1,4-Dichloro-2-butene
Concen: 18.188 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.9	89.8	134.6
89	40.8	34.3	51.5

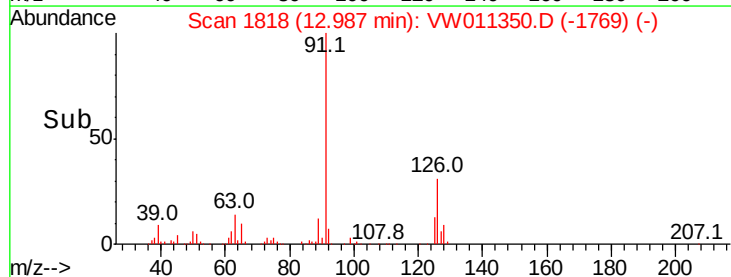
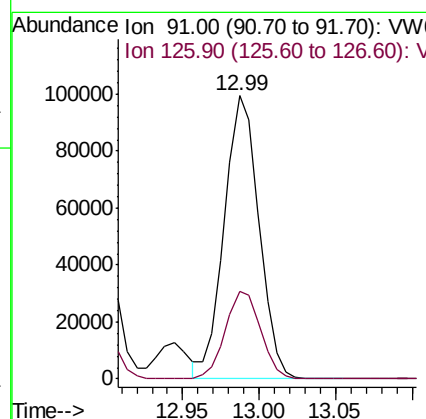
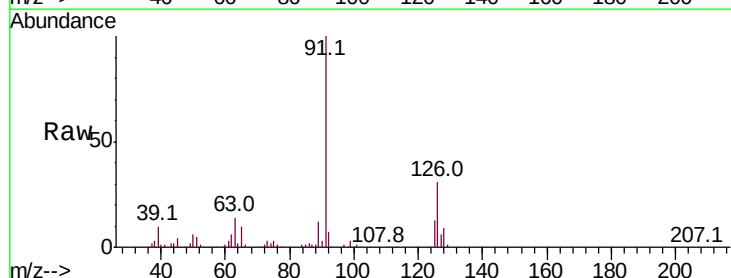
Manual Integrations
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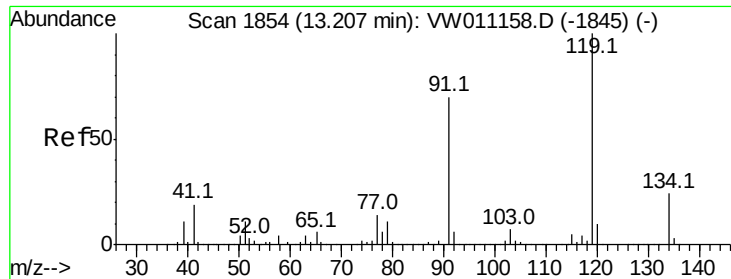
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#82
4-Chlorotoluene
Concen: 21.288 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





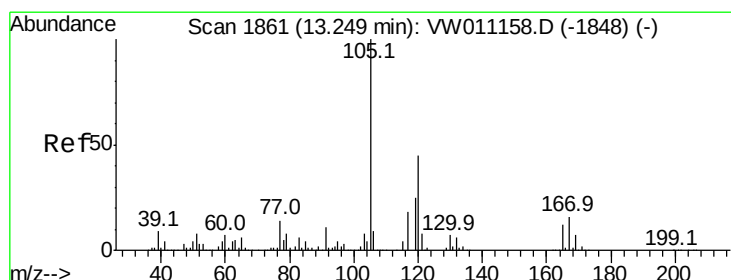
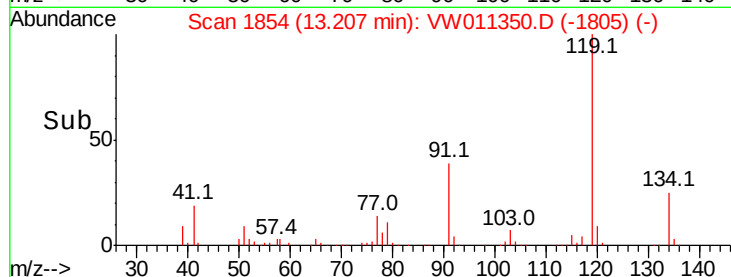
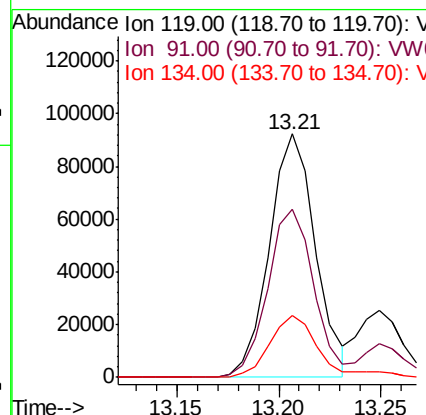
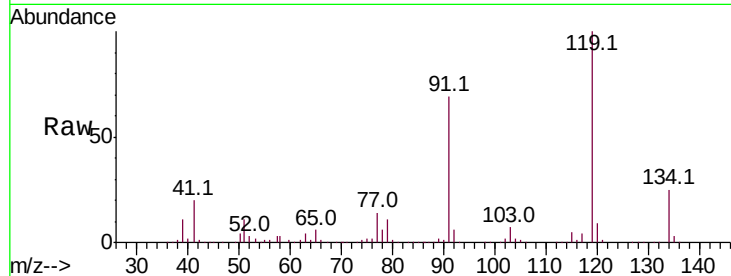
#83
 tert-Butylbenzene
 Concen: 20.605 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	35.4	106.3
134	27.2	13.4	40.2

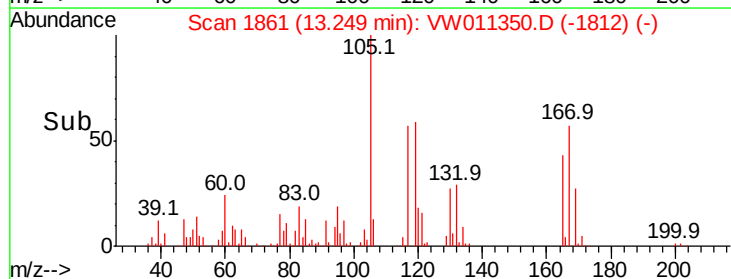
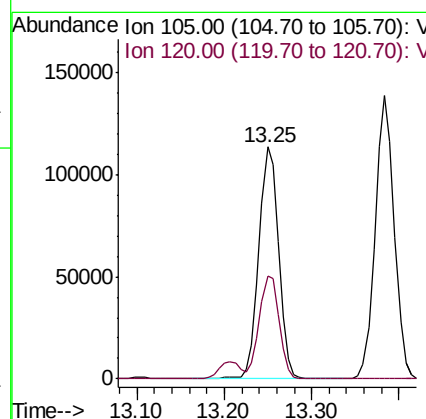
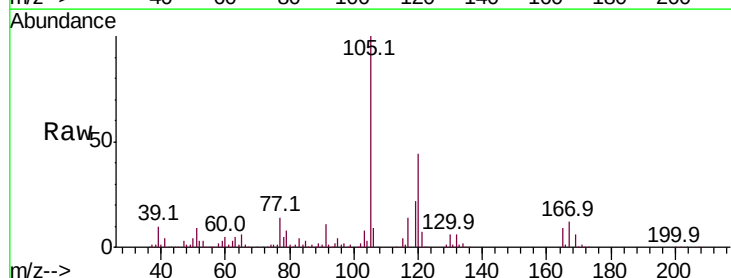
Manual Integrations
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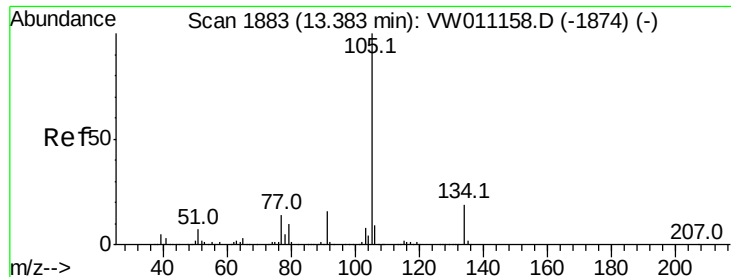
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.997 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





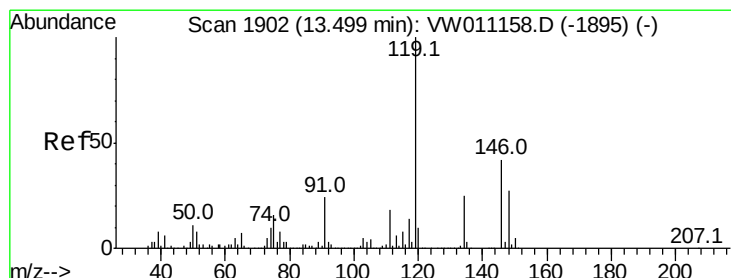
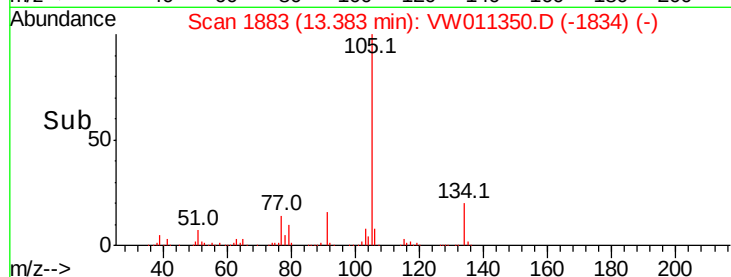
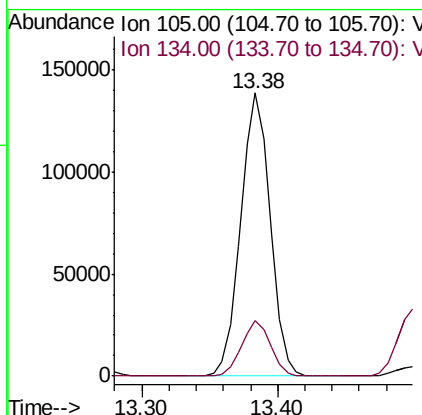
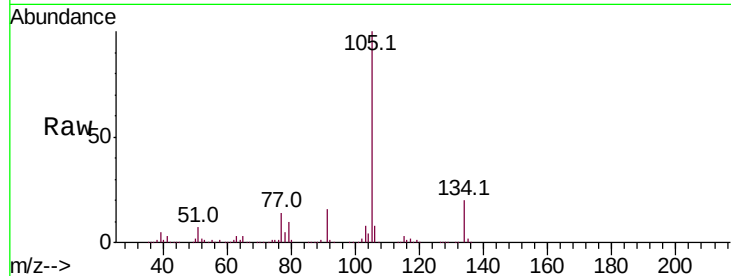
#85
 sec-Butylbenzene
 Concen: 20.621 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

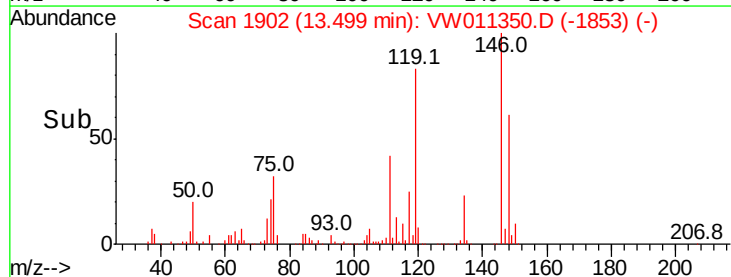
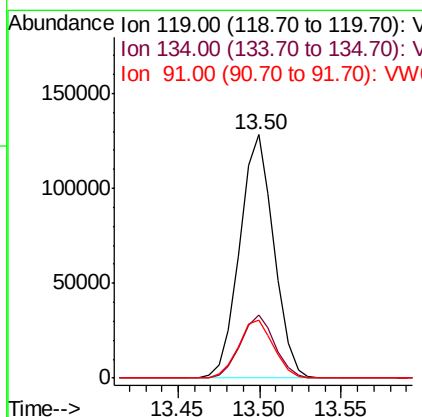
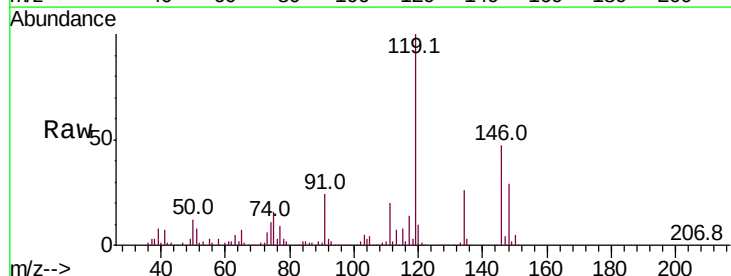
Manual Integrations
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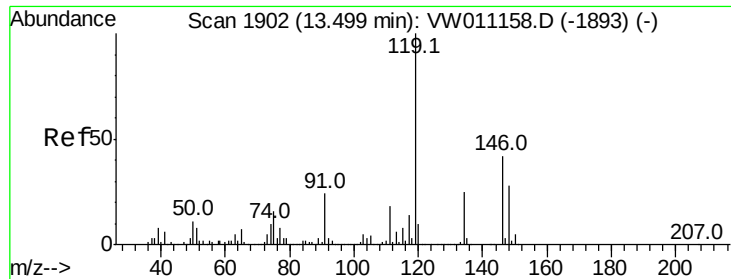
MMDadoda
 7/19/2019 9:51:25 AM



#86
 p-Isopropyltoluene
 Concen: 20.438 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.5	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 21.737 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

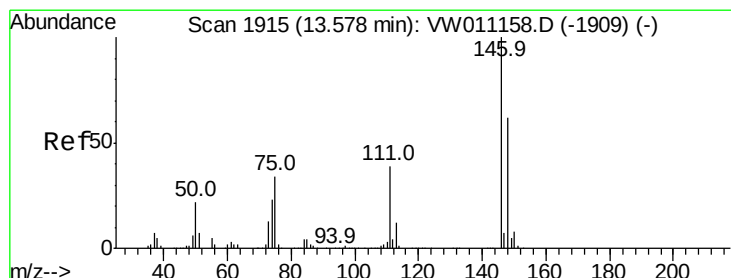
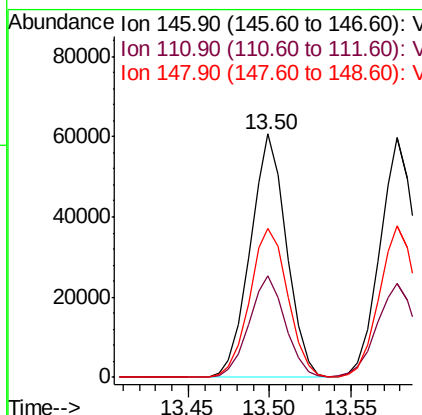
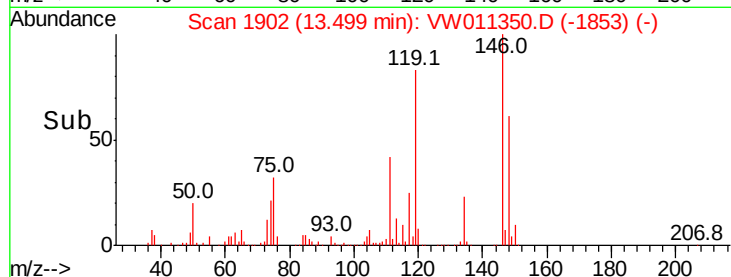
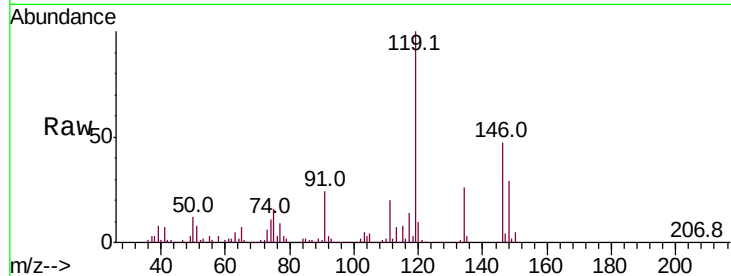
Instrument :
MSVOA_W

ClientSampleId :
VW0718SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	64.3	32.6	97.7

Manual Integrations
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7/19/2019 9:51:25 AM



#88

1,4-Dichlorobenzene

Concen: 21.472 ug/l

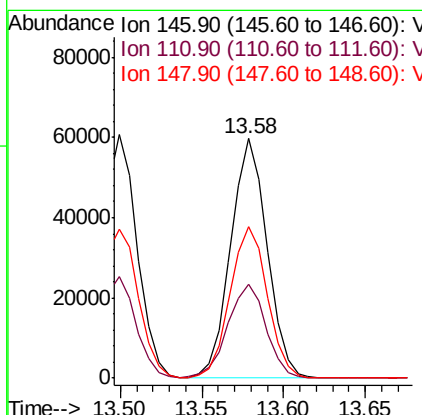
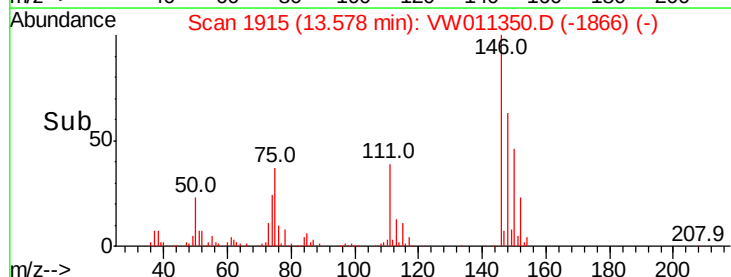
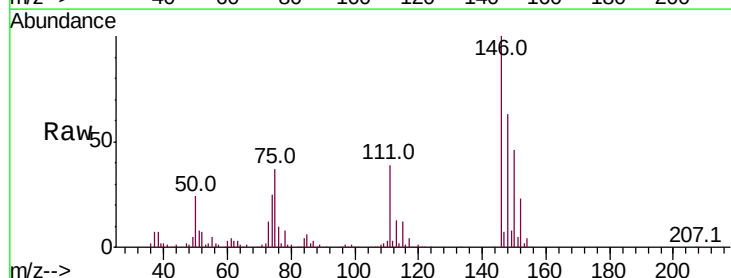
RT: 13.58 min Scan# 1915

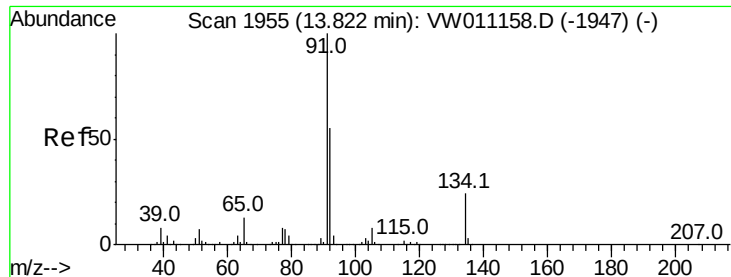
Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.7
148	64.7	31.5	94.5





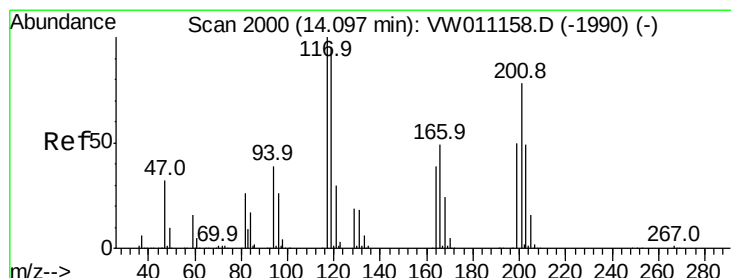
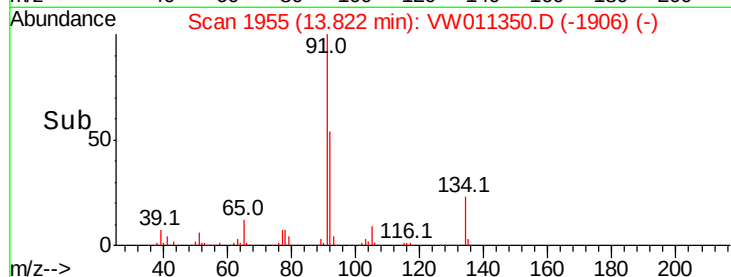
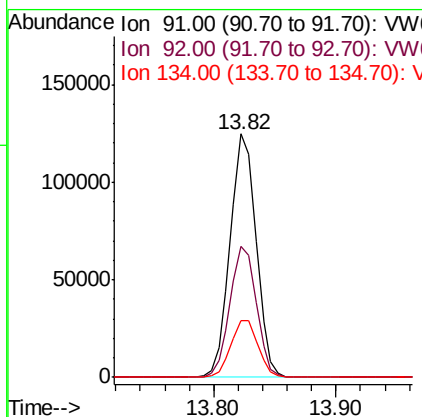
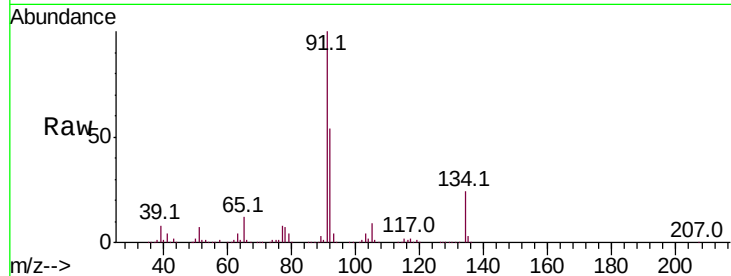
#89
n-Butylbenzene
Concen: 20.131 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.9	80.7
134	24.4	12.2	36.4

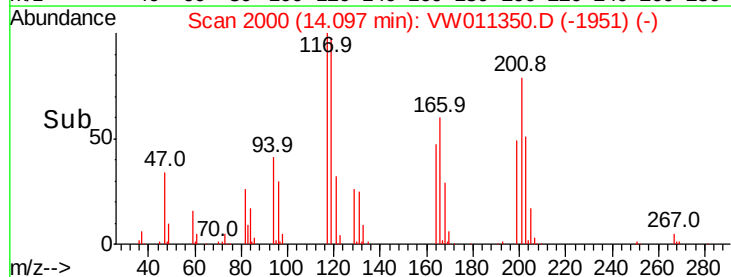
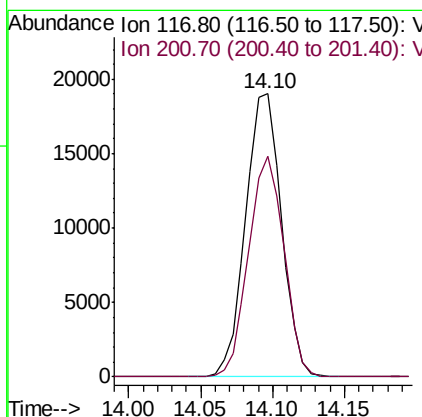
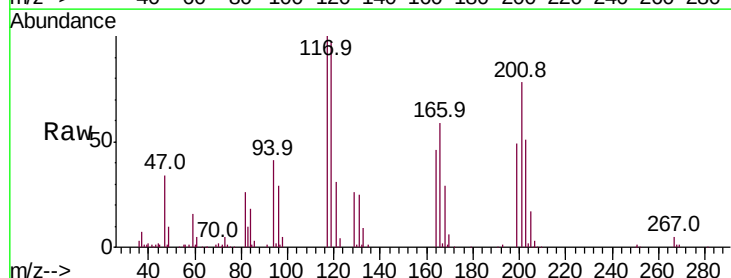
Manual Integrations
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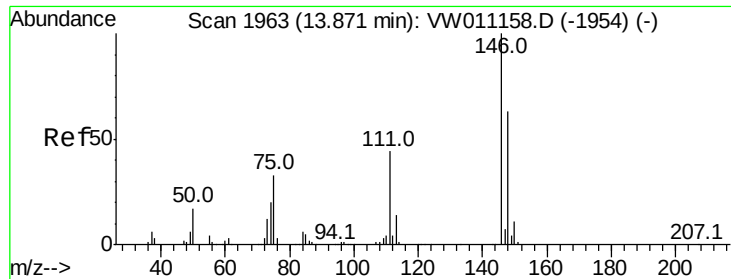
MMDadoda
7/19/2019 9:51:25 AM



#90
Hexachloroethane
Concen: 19.650 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.3	114.8





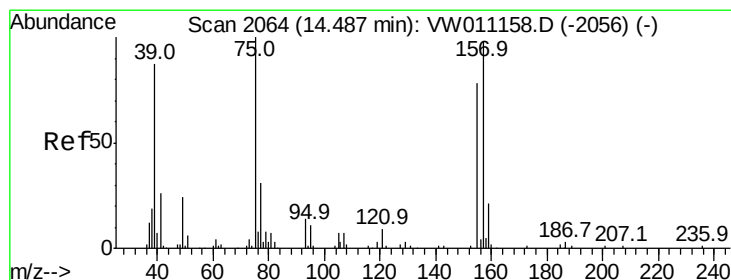
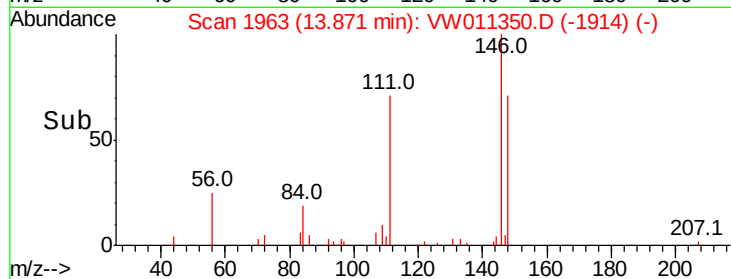
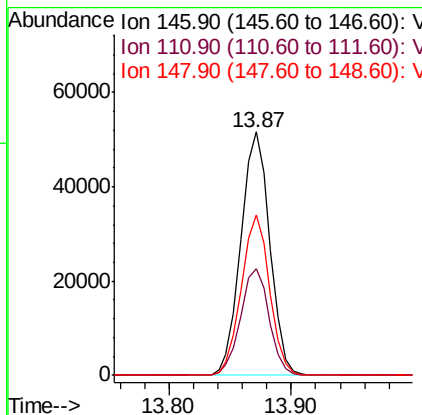
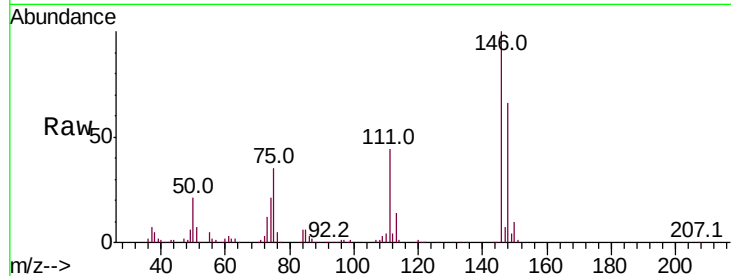
#91
 1,2-Dichlorobenzene
 Concen: 21.701 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	64.6	31.9	95.5

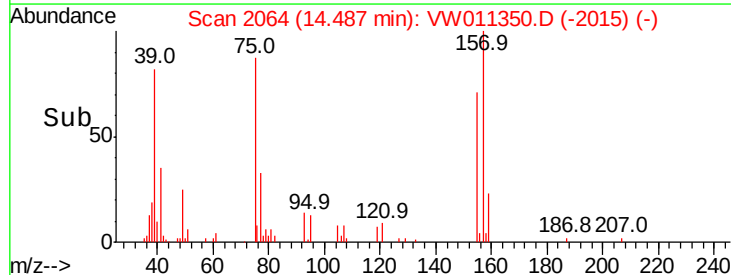
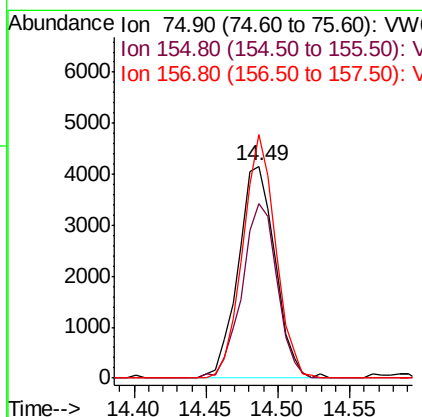
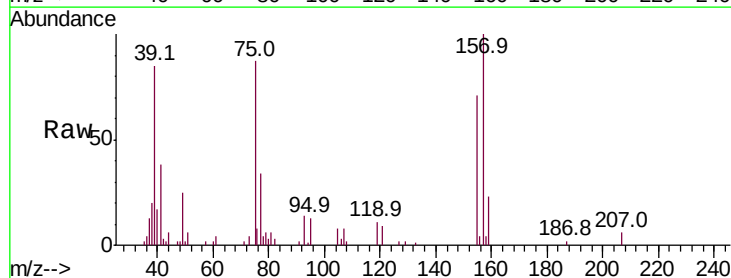
Manual Integrations
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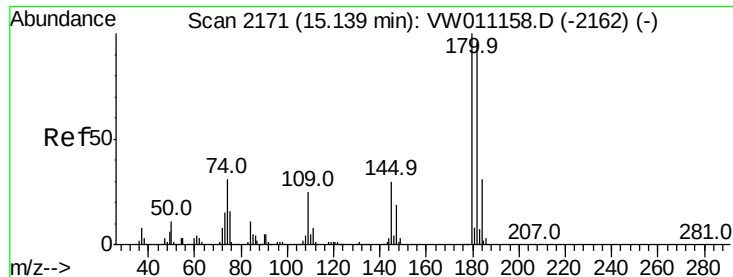
MMDadoda
 7/19/2019 9:51:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.412 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	37.1	111.3
157	101.8	48.5	145.6





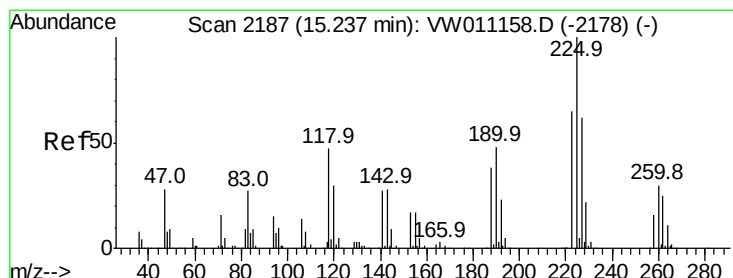
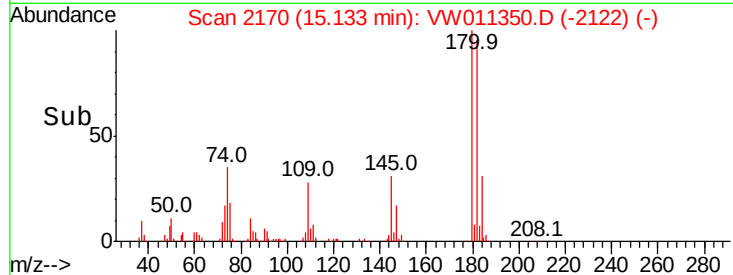
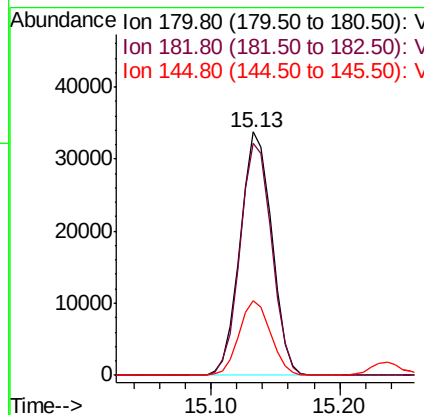
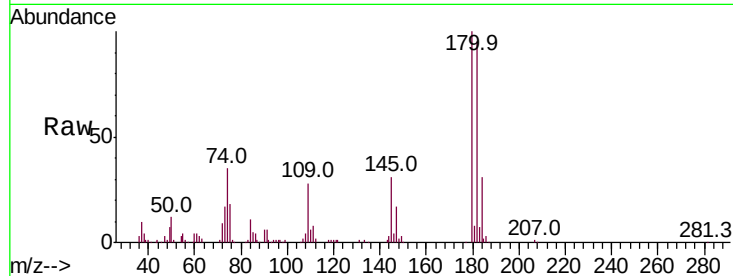
#93
 1,2,4-Trichlorobenzene
 Concen: 21.358 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	48.3	144.9	
145	30.5	15.5	46.5	

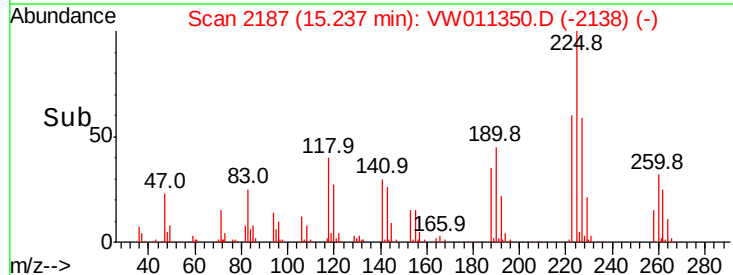
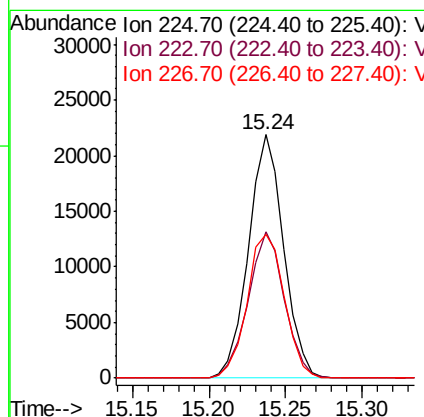
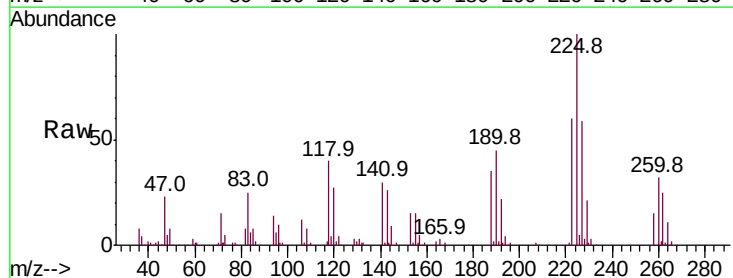
Manual Integrations
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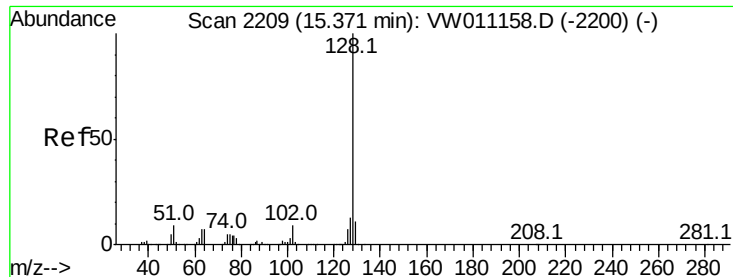
MMDadoda
 7/19/2019 9:51:25 AM



#94
 Hexachlorobutadiene
 Concen: 21.177 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.6	95.0	
227	62.8	32.0	96.0	





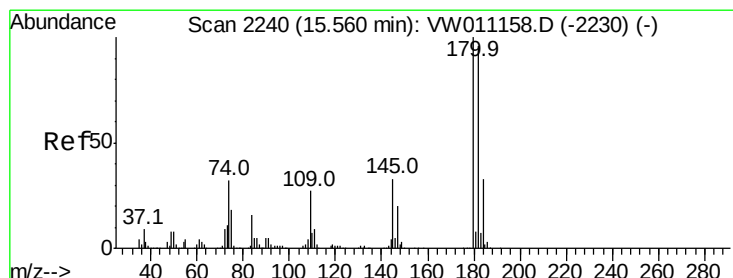
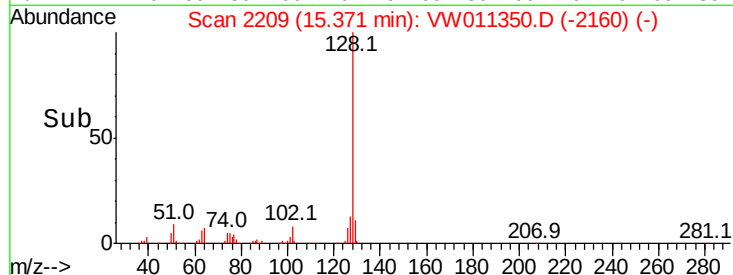
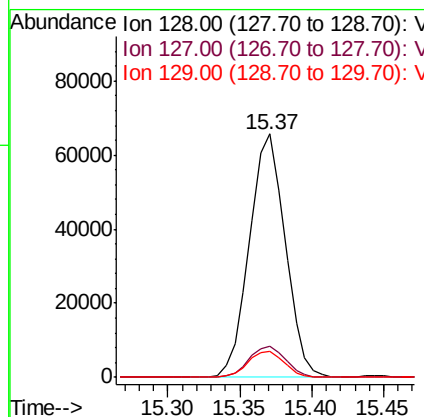
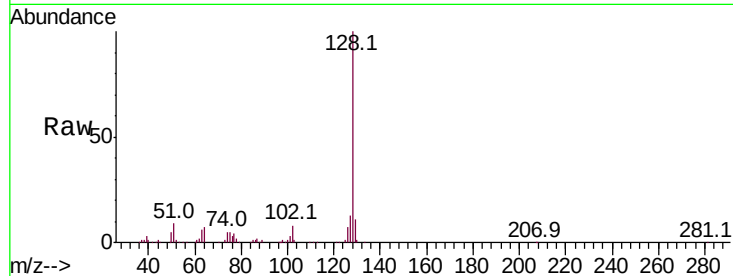
#95
Naphthalene
Concen: 21.996 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD02

Tot Ion:	128	Resp:	113177
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:51:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.219 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:	180	Resp:	52652
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.8
145	32.2	16.5	49.5

