

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010336.D
 Acq On : 09 May 2019 14:26
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:34 AM

Quant Time: May 10 02:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1302740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2067659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1817054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	889257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	712636	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	624111	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.32	98	2594513	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	902222	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	538650	53.869	ug/l	99
3) Chloromethane	2.21	50	714945	53.612	ug/l	97
4) Vinyl Chloride	2.37	62	879514	53.069	ug/l	97
5) Bromomethane	2.78	94	497545	52.060	ug/l	98
6) Chloroethane	2.92	64	526791	54.964	ug/l	94
7) Trichlorofluoromethane	3.25	101	482417	58.146	ug/l	97
8) Diethyl Ether	3.67	74	386099	52.936	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	707684	52.056	ug/l	98
10) Methyl Iodide	4.26	142	1010198	52.473	ug/l	94
11) Tert butyl alcohol	5.17	59	242832	248.270	ug/l	98
12) 1,1-Dichloroethene	4.03	96	752155	52.948	ug/l	92
13) Acrolein	3.89	56	323914	250.835	ug/l	97
14) Allyl chloride	4.66	41	1173580	55.345	ug/l	91
15) Acrylonitrile	5.36	53	1053569	260.615	ug/l	99
16) Acetone	4.12	43	1048740	290.464	ug/l	92
17) Carbon Disulfide	4.37	76	2302597	53.594	ug/l	99
18) Methyl Acetate	4.67	43	445947	49.865	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	905259	53.532	ug/l	100
20) Methylene Chloride	4.91	84	744035	49.406	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	819239	53.576	ug/l	96
22) Diisopropyl ether	6.31	45	2240515	54.443	ug/l	93
23) Vinyl Acetate	6.25	43	7979302	282.373	ug/l	97
24) 1,1-Dichloroethane	6.21	63	1469250	53.028	ug/l	100
25) 2-Butanone	7.17	43	1480884	268.108	ug/l	97
26) 2,2-Dichloropropane	7.17	77	773425	56.104	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	846443	53.827	ug/l	96
28) Bromochloromethane	7.51	49	529095	51.796	ug/l	99
29) Tetrahydrofuran	7.53	42	944770	264.449	ug/l	96
30) Chloroform	7.67	83	1362283	52.537	ug/l	100
31) Cyclohexane	7.95	56	1468431	51.761	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1072957	53.420	ug/l	98
36) 1,1-Dichloropropene	8.08	75	1209391	53.945	ug/l	100
37) Ethyl Acetate	7.25	43	630487	52.819	ug/l	97
38) Carbon Tetrachloride	8.07	117	1023133	53.239	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1524880	55.601	ug/l	96
40) Benzene	8.32	78	3238641	52.748	ug/l	99
41) Methacrylonitrile	7.48	41	364188	54.403	ug/l	95
42) 1,2-Dichloroethane	8.40	62	914225	52.020	ug/l	96
43) Isopropyl Acetate	8.43	43	1059865	53.537	ug/l	98
44) Trichloroethene	9.09	130	812230	52.842	ug/l	99
45) 1,2-Dichloropropane	9.37	63	811177	53.151	ug/l	97
46) Dibromomethane	9.46	93	407545	51.690	ug/l	99
47) Bromodichloromethane	9.64	83	1000944	52.924	ug/l	100
48) Methyl methacrylate	9.44	41	511413	54.636	ug/l	86
49) 1,4-Dioxane	9.45	88	142217	1034.335	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	3047648	268.478	ug/l	93
52) Toluene	10.39	92	2007920	53.505	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1054422	55.041	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1235108	54.440	ug/l #	89
55) 1,1,2-Trichloroethane	10.79	97	572883	51.158	ug/l	96
56) Ethyl methacrylate	10.65	69	825545	55.826	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	1044476	52.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1886263	266.413	ug/l	100
59) 2-Hexanone	10.97	43	2205166	274.754	ug/l	92
60) Dibromochloromethane	11.13	129	634664	52.669	ug/l	100
61) 1,2-Dibromoethane	11.23	107	559994	52.092	ug/l	98
64) Tetrachloroethene	10.86	164	669923	52.750	ug/l	98
65) Chlorobenzene	11.66	112	2000651	53.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	670055	52.706	ug/l	98
67) Ethyl Benzene	11.73	91	3834187	55.411	ug/l	98
68) m/p-Xylenes	11.84	106	2839214	110.436	ug/l	100
69) o-Xylene	12.16	106	1293616	55.624	ug/l	98
70) Styrene	12.18	104	2278635	56.231	ug/l	99
71) Bromoform	12.35	173	388299	53.431	ug/l #	99
73) Isopropylbenzene	12.46	105	3686143	56.869	ug/l	100
74) N-amyl acetate	12.27	43	945280	56.449	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	746702	52.284	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	541959m	52.272	ug/l	
77) Bromobenzene	12.75	156	790362	54.003	ug/l	98
78) n-propylbenzene	12.80	91	4550371	56.840	ug/l	100
79) 2-Chlorotoluene	12.90	91	2522624	55.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3064540	56.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	257742	56.140	ug/l	91
82) 4-Chlorotoluene	12.99	91	2609544	54.630	ug/l	99
83) tert-Butylbenzene	13.21	119	2565535	56.288	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3064549	56.436	ug/l	100
85) sec-Butylbenzene	13.38	105	3805828	56.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	3423479	57.306	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1565267	53.559	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1527710	52.675	ug/l	99
89) n-Butylbenzene	13.83	91	3428456	57.235	ug/l	98
90) Hexachloroethane	14.10	117	592150	53.441	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1371320	53.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	132723	51.607	ug/l	93

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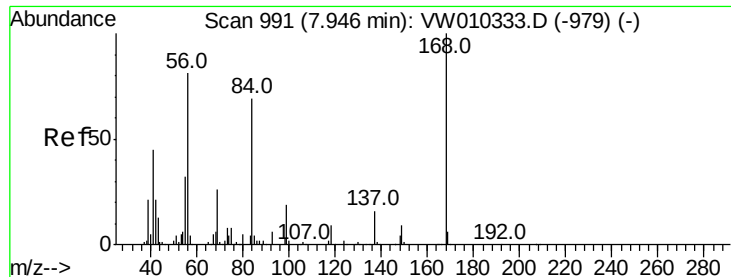
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	968475	54.852	ug/l	99
94) Hexachlorobutadiene	15.24	225	605940	53.533	ug/l	99
95) Naphthalene	15.37	128	2050793	50.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	864676	54.210	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: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion:168 Resp: 1302740

Ion Ratio Lower Upper

168 100

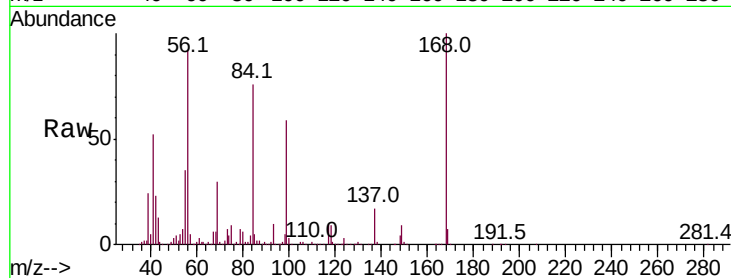
99 58.7 48.4 72.6

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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

600000

400000

200000

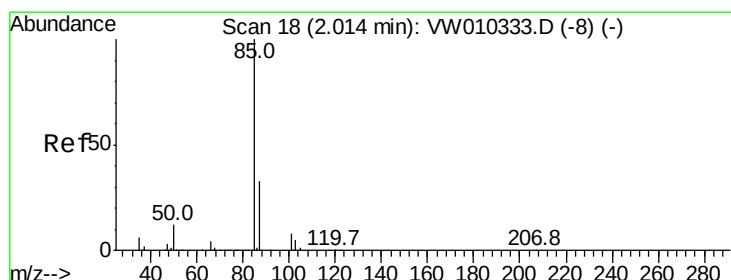
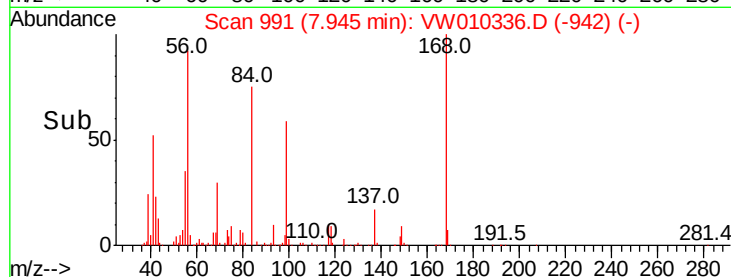
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 53.869 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010336.D

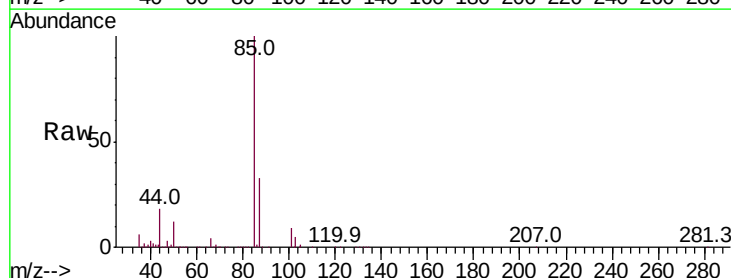
Acq: 09 May 2019 14:26

Tgt Ion: 85 Resp: 538650

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150000

100000

50000

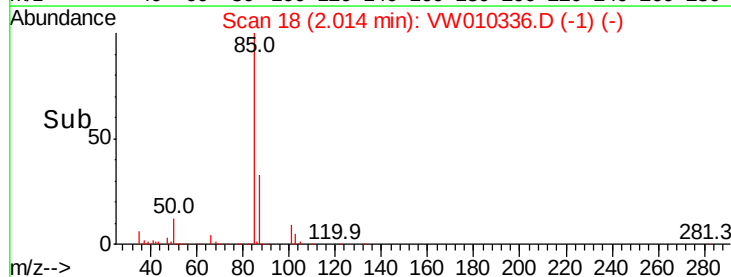
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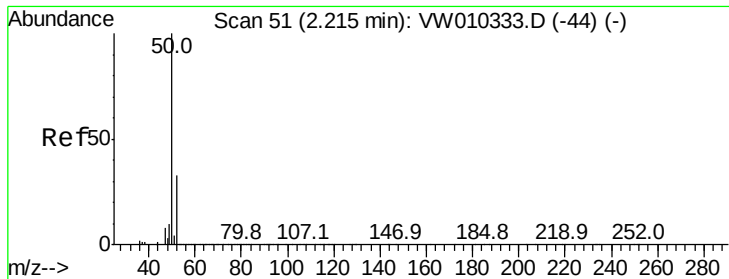
1.80

2.00

2.20

Time-->





#3

Chloromethane

Concen: 53.612 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 50 Resp: 714945

Ion Ratio Lower Upper

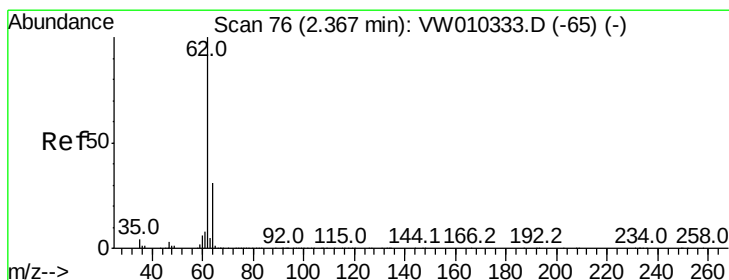
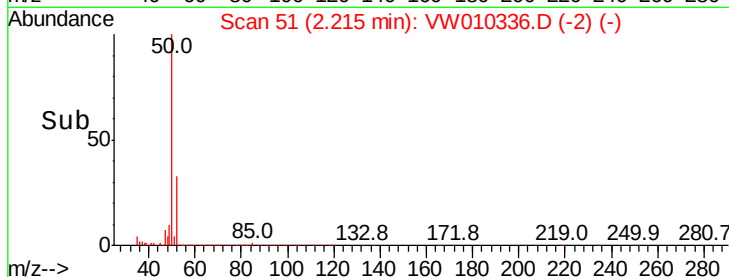
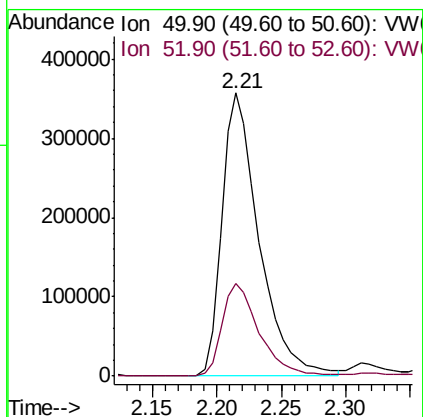
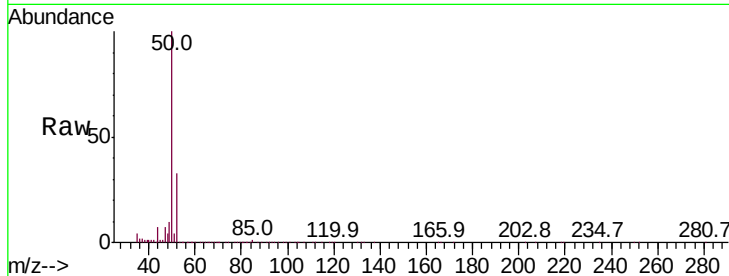
50 100

52 33.0 25.0 37.6

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#4

Vinyl Chloride

Concen: 53.069 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010336.D

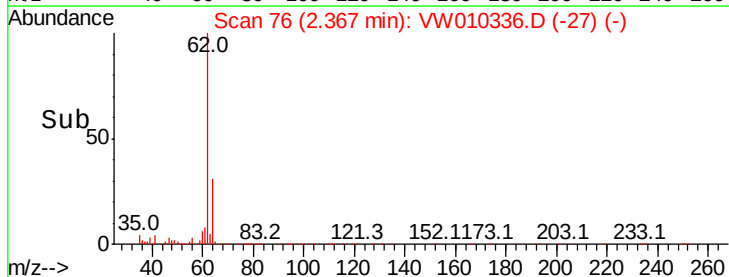
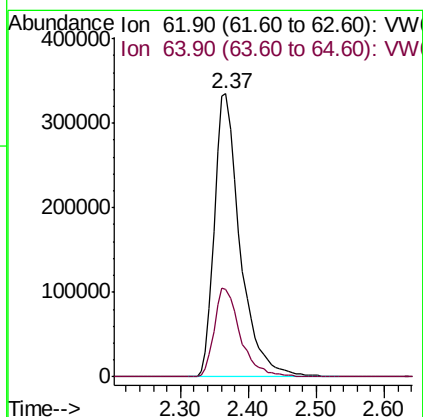
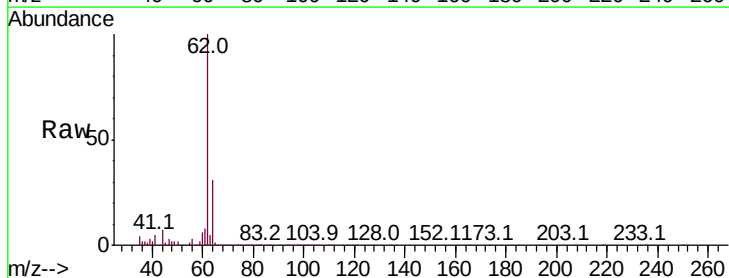
Acq: 09 May 2019 14:26

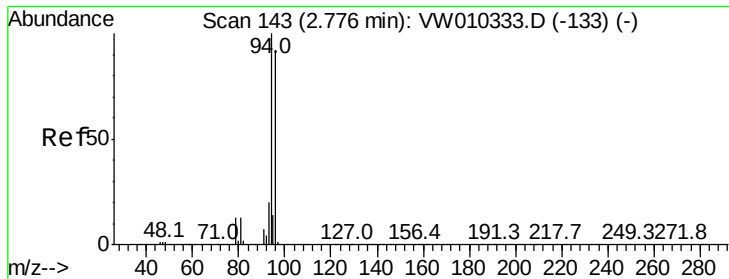
Tgt Ion: 62 Resp: 879514

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 52.060 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 94 Resp: 497545

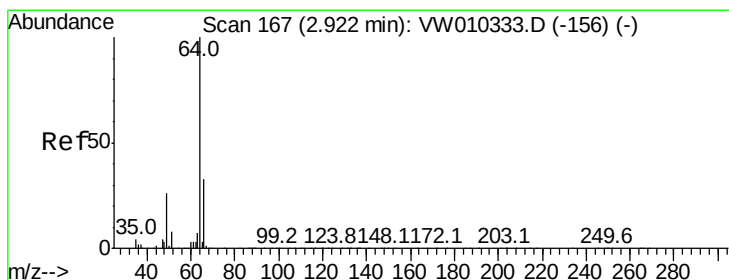
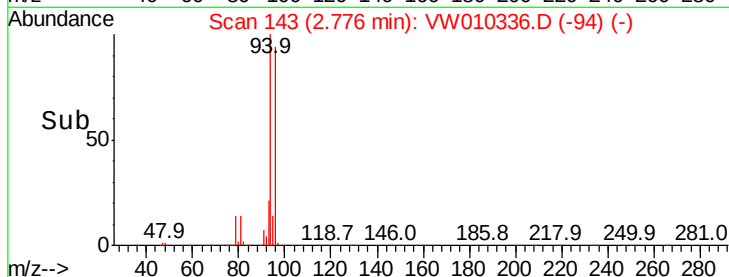
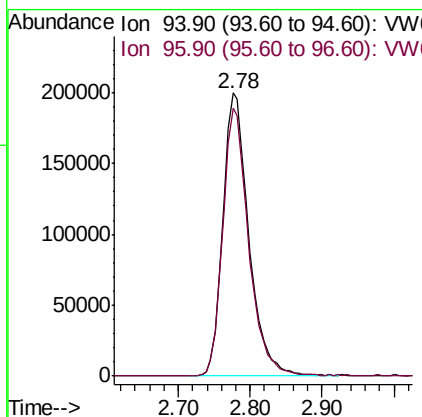
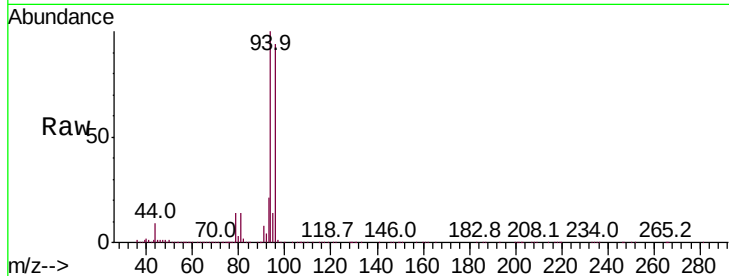
Ion Ratio Lower Upper

94 100

96 94.4 74.2 111.2

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#6

Chloroethane

Concen: 54.964 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010336.D

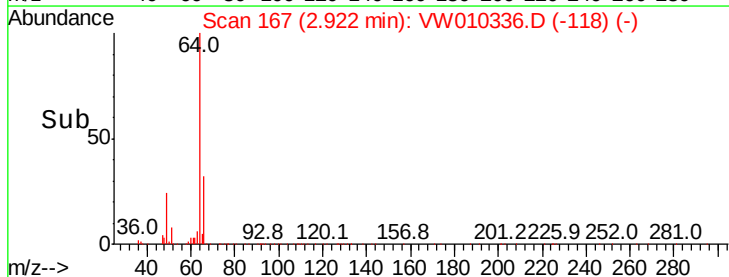
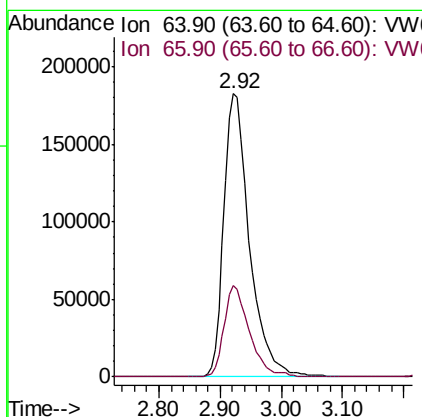
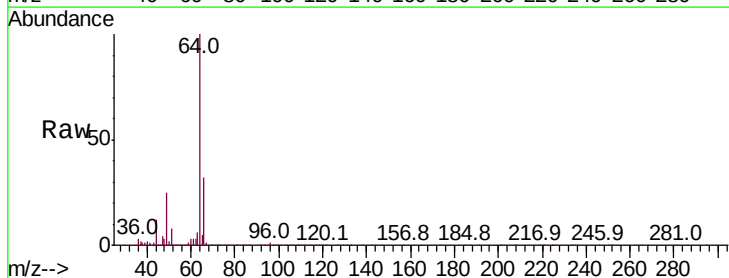
Acq: 09 May 2019 14:26

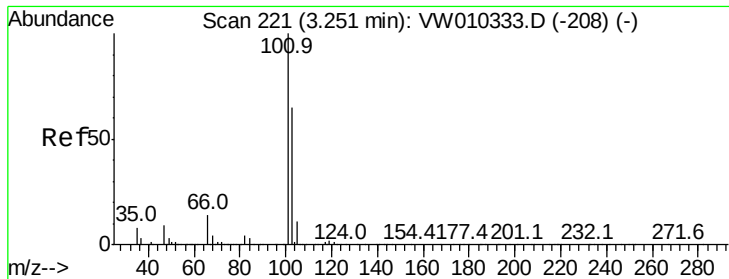
Tgt Ion: 64 Resp: 526791

Ion Ratio Lower Upper

64 100

66 32.4 23.4 35.0





#7

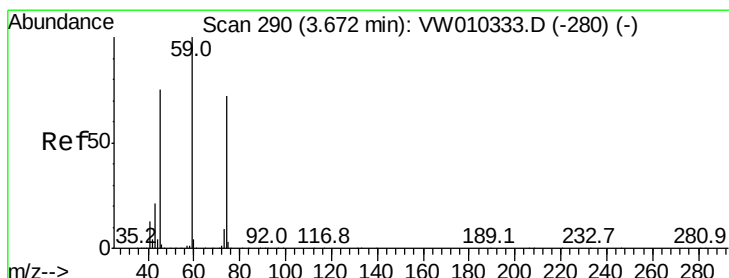
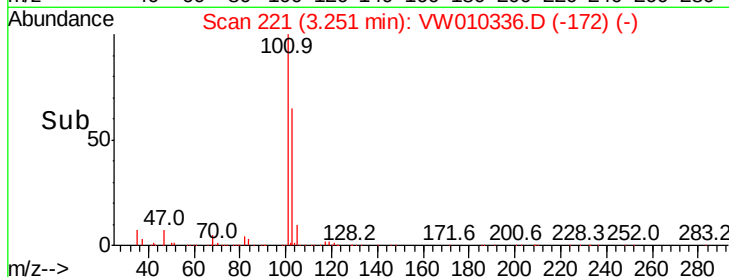
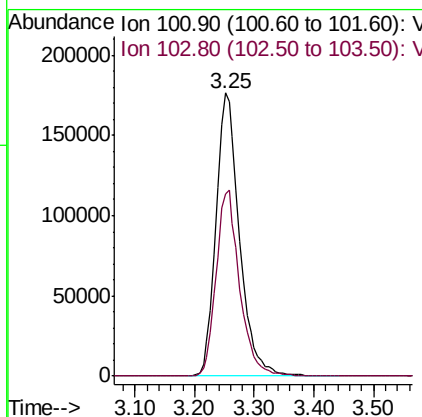
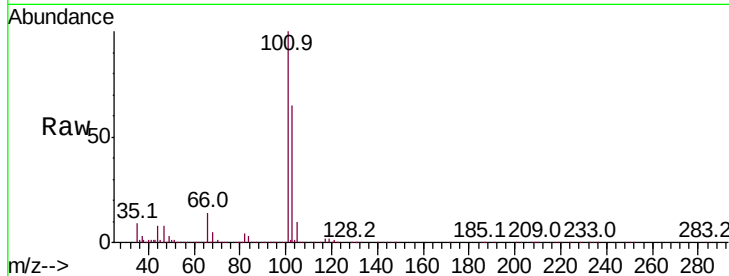
Trichlorofluoromethane
 Concen: 58.146 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

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 ICVVW050919

Tot Ion	Ratio	Resp	Lower	Upper
101	100	482417		
103	64.5	49.8	74.6	

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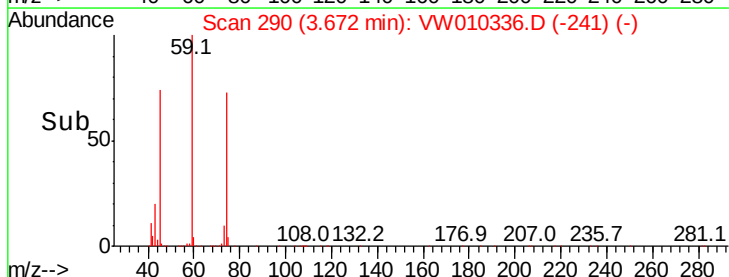
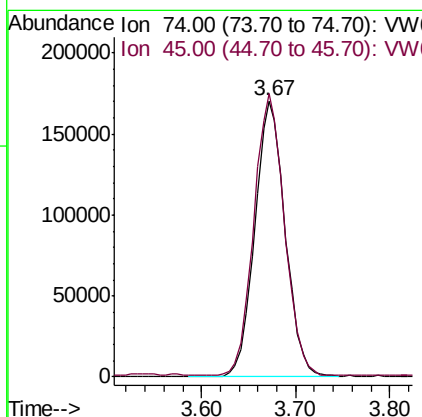
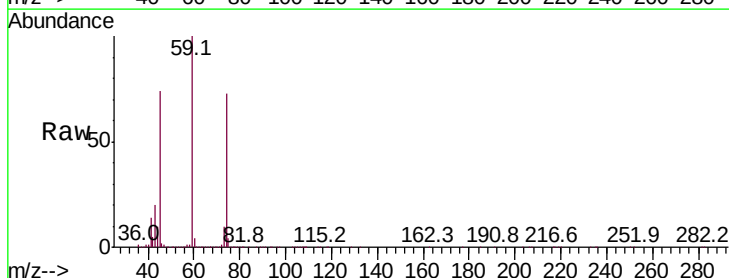
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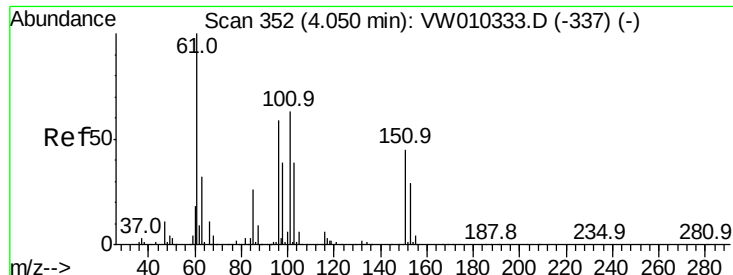


#8

Diethyl Ether
 Concen: 52.936 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	386099		
45	102.8	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.056 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

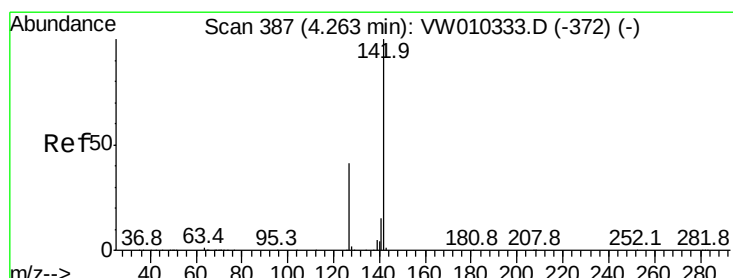
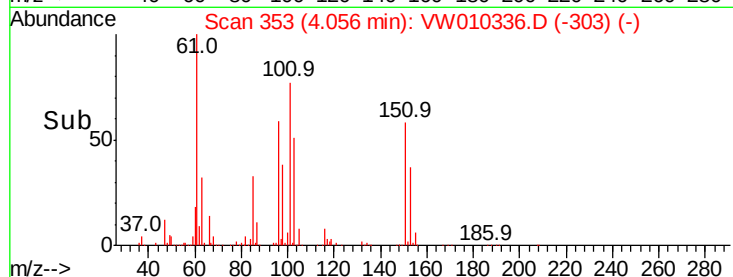
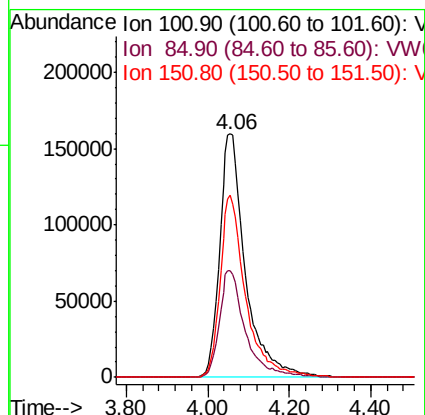
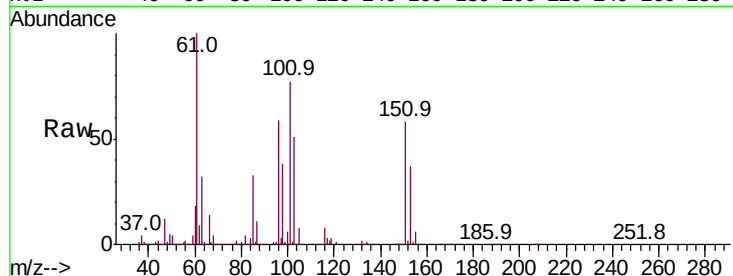
ClientSampleId :

ICVW050919

Tot Ion:	101	Resp:	707684
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.3	54.5
151	73.7	60.2	90.2

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#10

Methyl Iodide

Concen: 52.473 ug/l

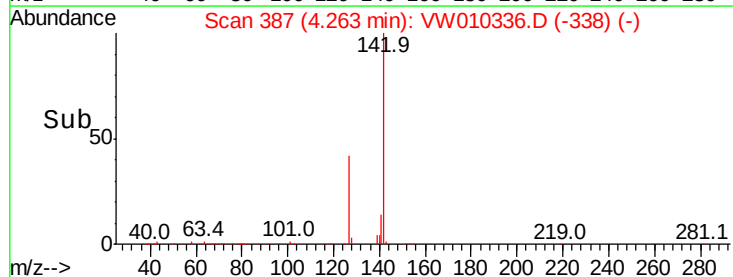
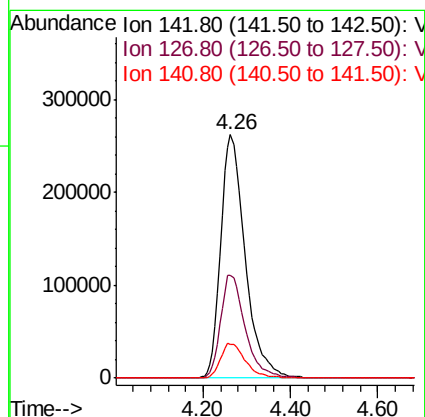
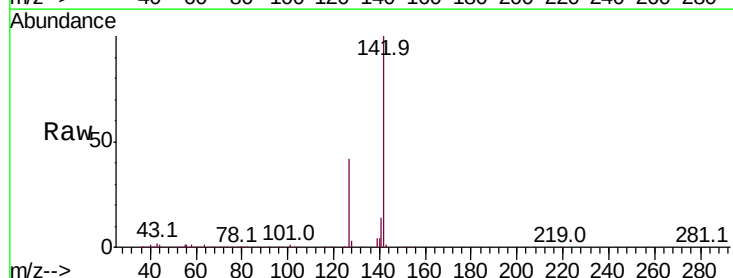
RT: 4.26 min Scan# 387

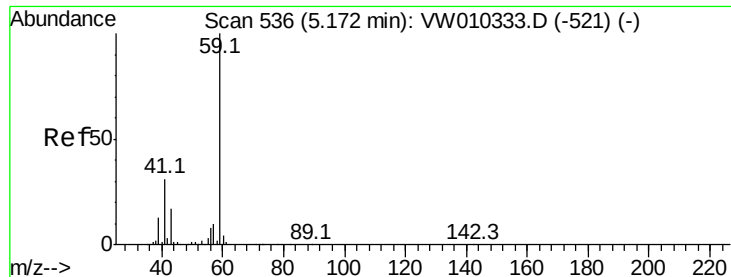
Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion:	142	Resp:	1010198
Ion Ratio	Lower	Upper	
142	100		
127	42.5	38.1	57.1
141	14.5	12.2	18.2





#11

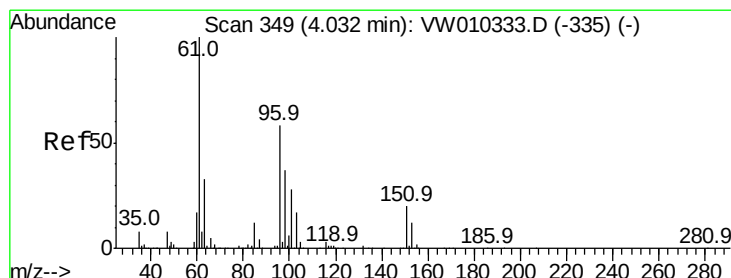
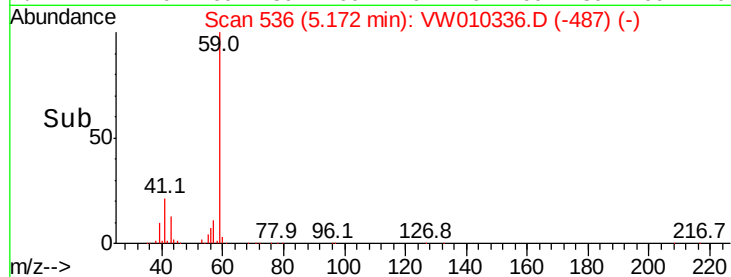
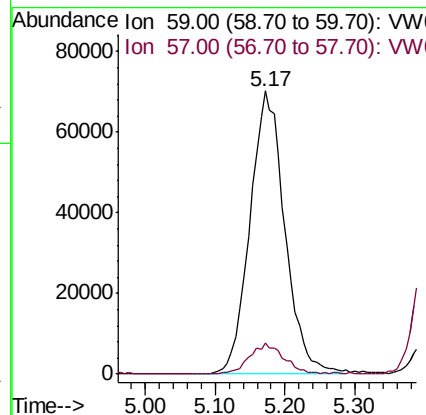
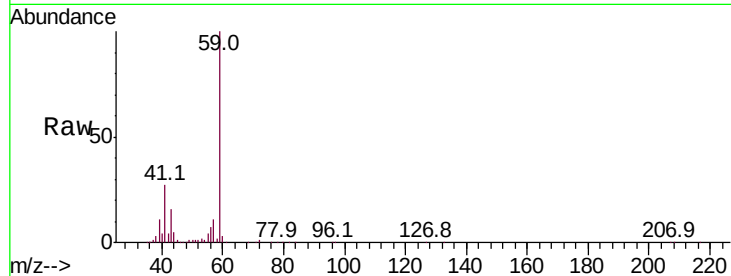
Tert butyl alcohol
Concen: 248.270 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	59	Resp	242832
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.4

Manual Integrations
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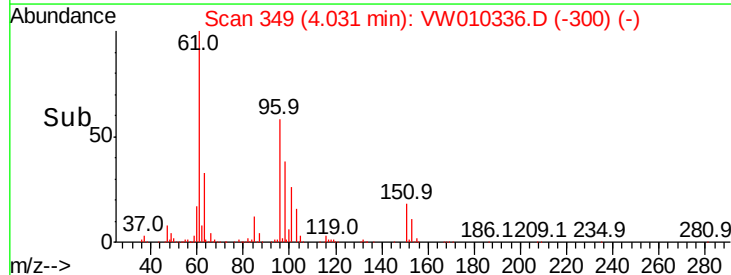
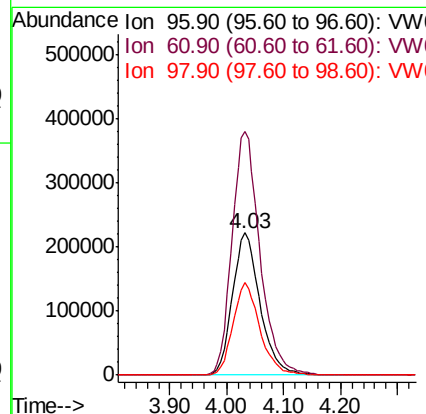
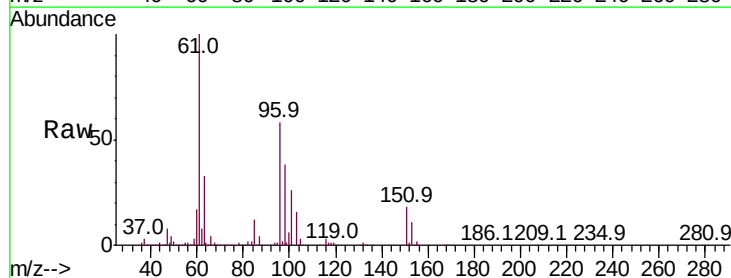
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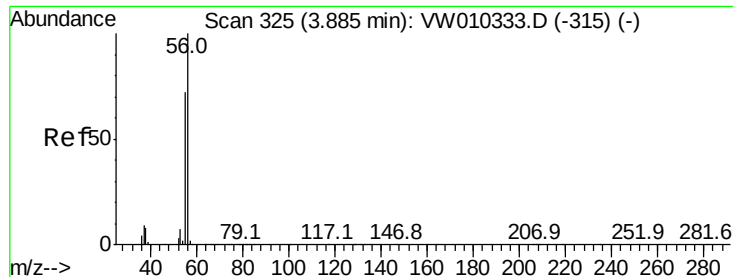


#12

1,1-Dichloroethene
Concen: 52.948 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	96	Resp	752155
Ion Ratio	100	Lower	Upper
61	171.3	147.4	221.2
98	65.4	49.7	74.5





#13

Acrolein

Concen: 250.835 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 56 Resp: 323914

Ion Ratio Lower Upper

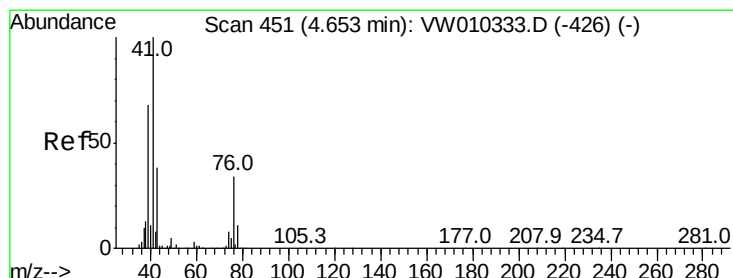
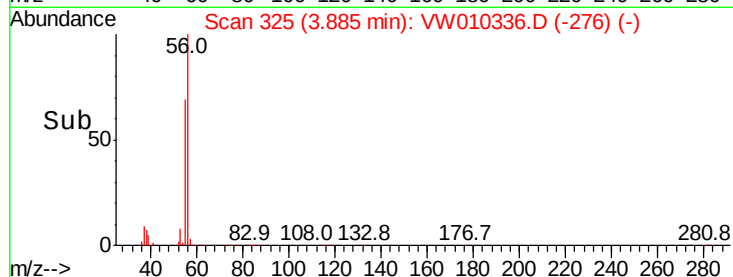
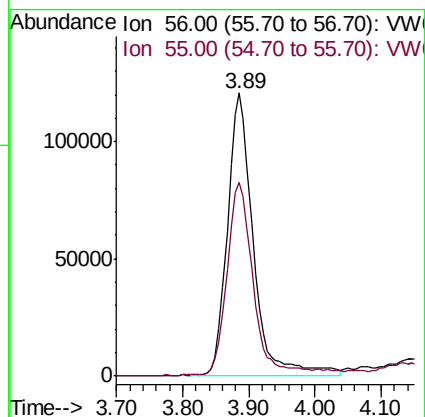
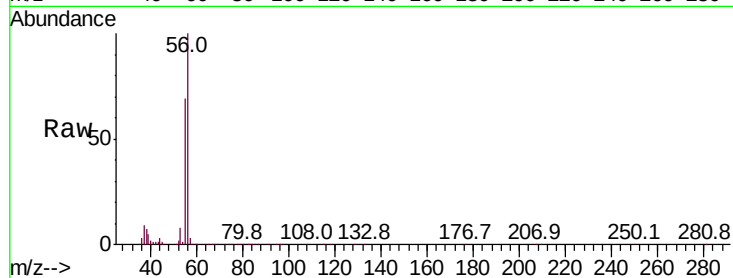
56 100

55 69.8 54.2 81.2

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#14

Allyl chloride

Concen: 55.345 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

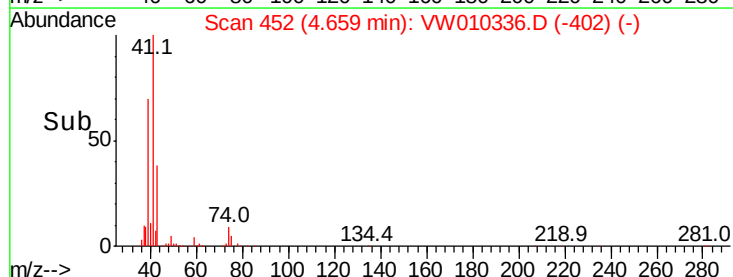
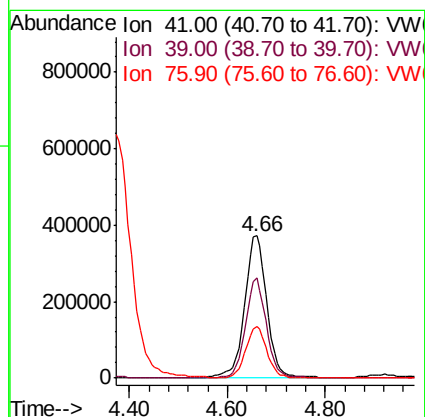
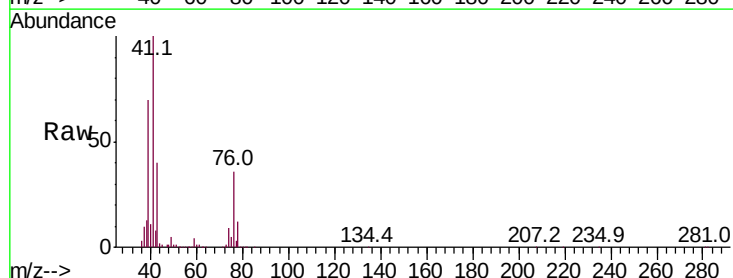
Tgt Ion: 41 Resp: 1173580

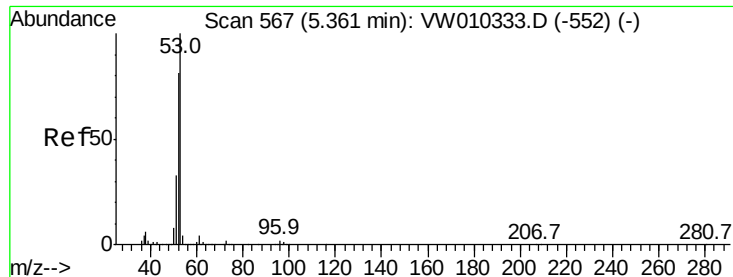
Ion Ratio Lower Upper

41 100

39 65.9 60.2 90.4

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 260.615 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 53 Resp: 1053569

Ion Ratio Lower Upper

53 100

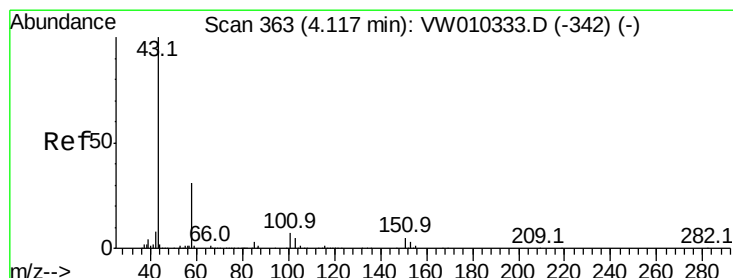
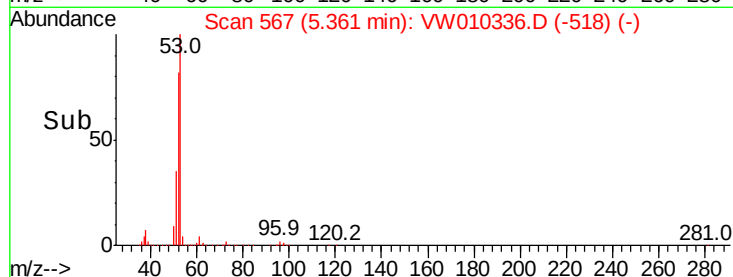
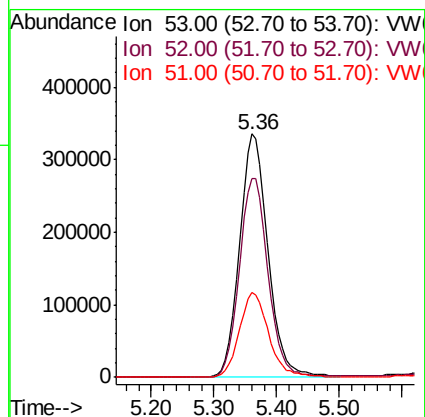
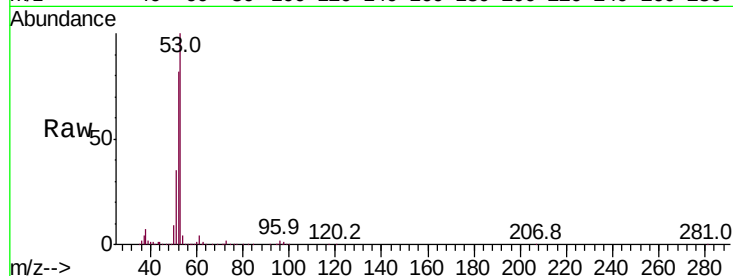
52 82.8 66.6 100.0

51 35.9 30.3 45.5

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#16

Acetone

Concen: 290.464 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010336.D

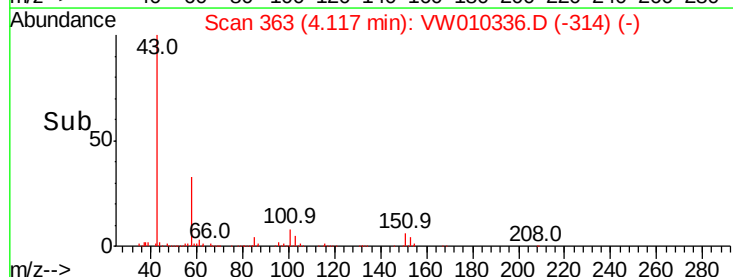
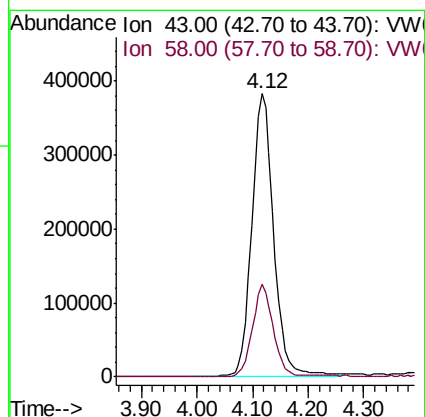
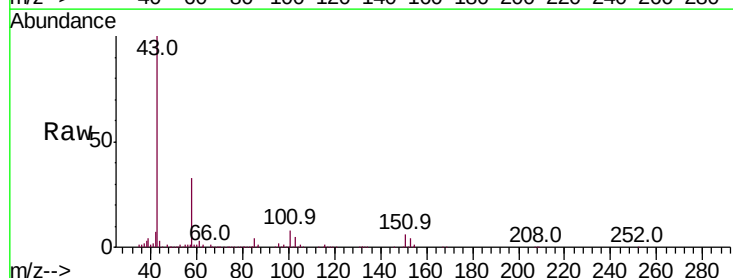
Acq: 09 May 2019 14:26

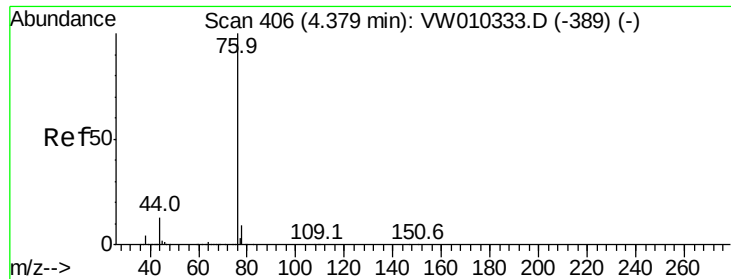
Tgt Ion: 43 Resp: 1048740

Ion Ratio Lower Upper

43 100

58 32.8 22.7 34.1





#17

Carbon Disulfide

Concen: 53.594 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 76 Resp: 2302597

Ion Ratio Lower Upper

76 100

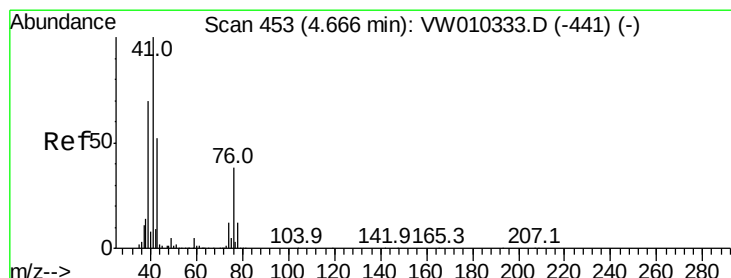
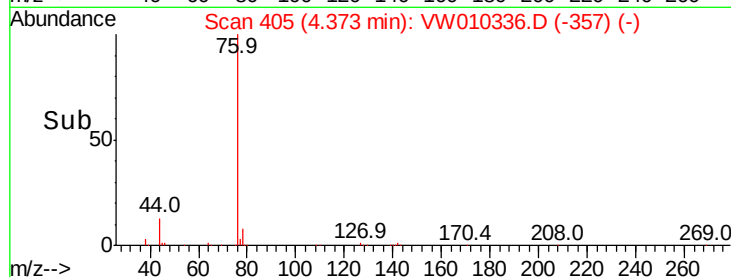
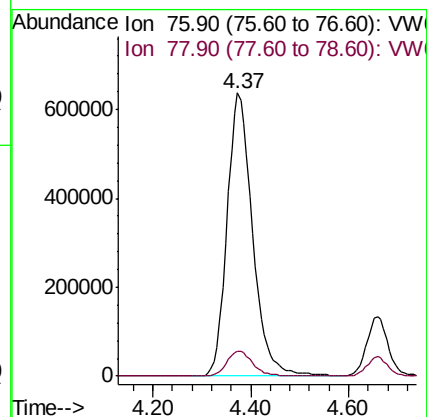
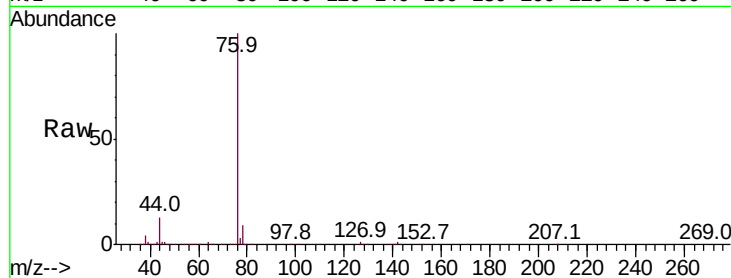
78 8.9 7.4 11.2

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#18

Methyl Acetate

Concen: 49.865 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010336.D

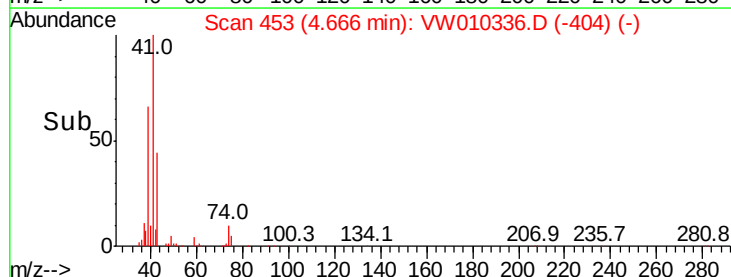
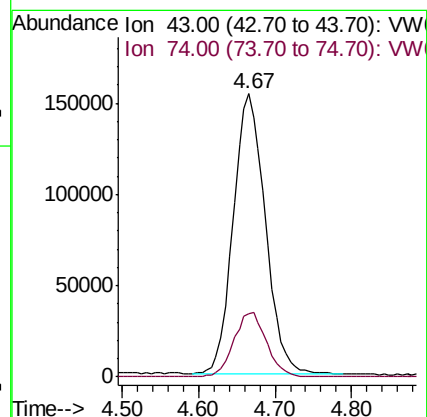
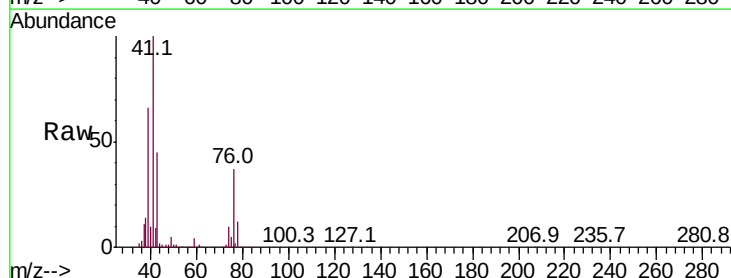
Acq: 09 May 2019 14:26

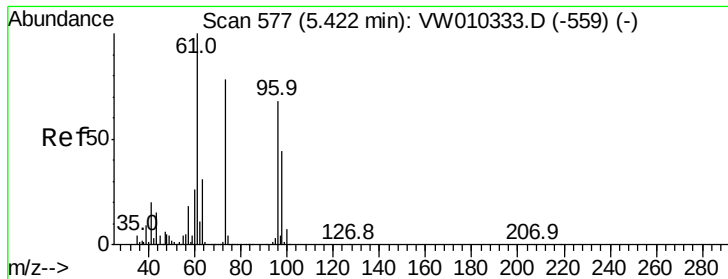
Tgt Ion: 43 Resp: 445947

Ion Ratio Lower Upper

43 100

74 23.3 16.8 25.2





#19

Methyl tert-butyl Ether

Concen: 53.532 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

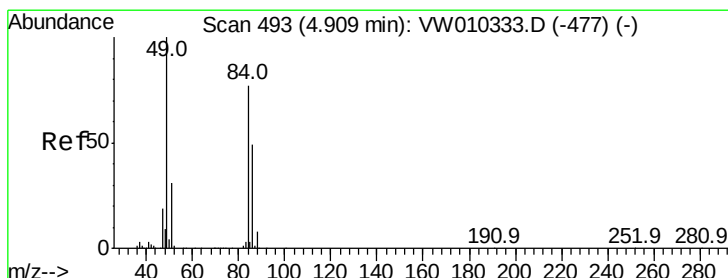
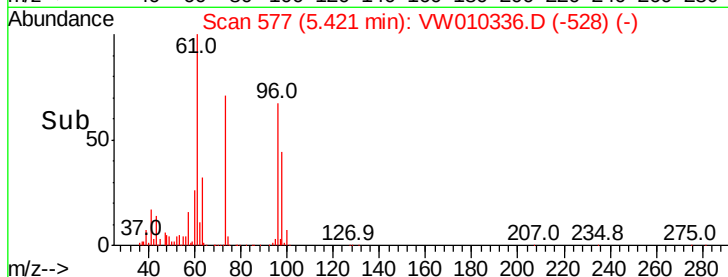
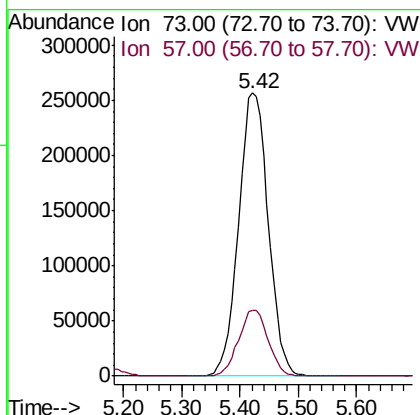
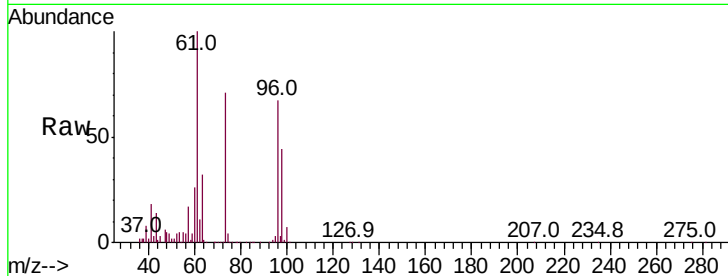
Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion: 73 Resp: 905259

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.5	27.7

Manual Integrations
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#20

Methylene Chloride

Concen: 49.406 ug/l

RT: 4.91 min Scan# 493

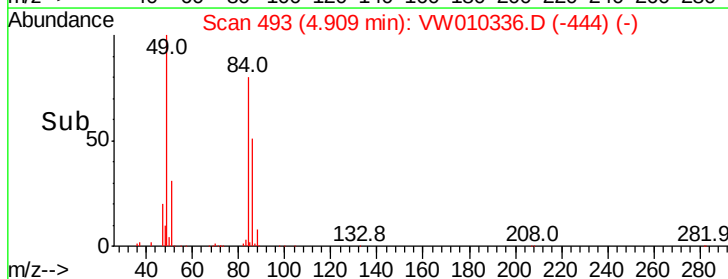
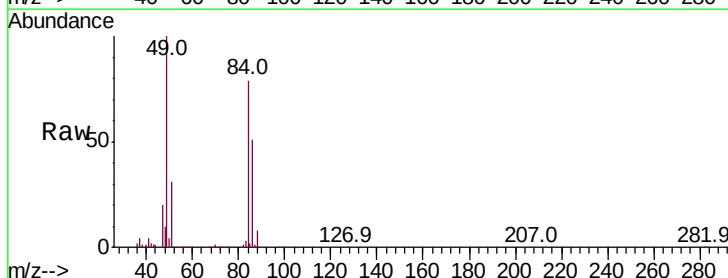
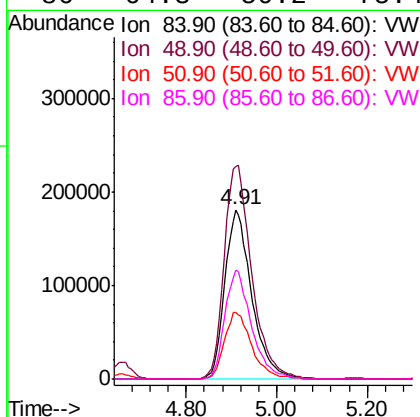
Delta R.T. -0.00 min

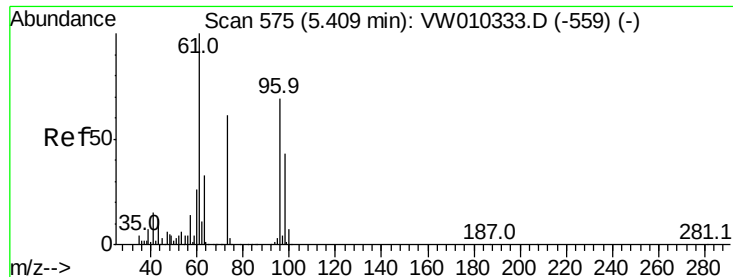
Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion: 84 Resp: 744035

Ion	Ratio	Lower	Upper
84	100		
49	125.8	112.3	168.5
51	39.3	33.9	50.9
86	64.3	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 53.576 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 96 Resp: 819239

Ion Ratio Lower Upper

96 100

61 145.4 122.3 183.5

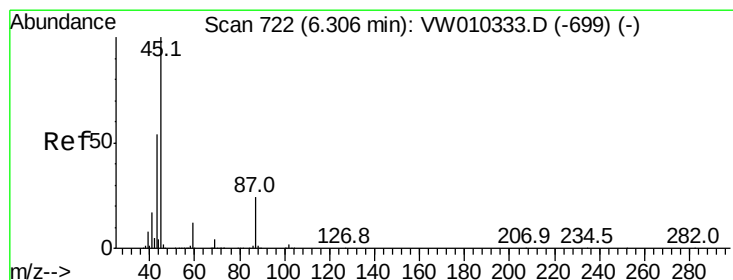
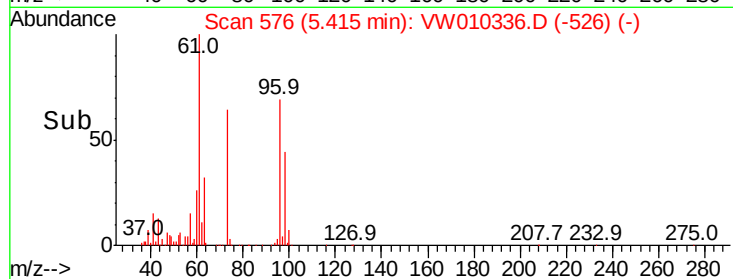
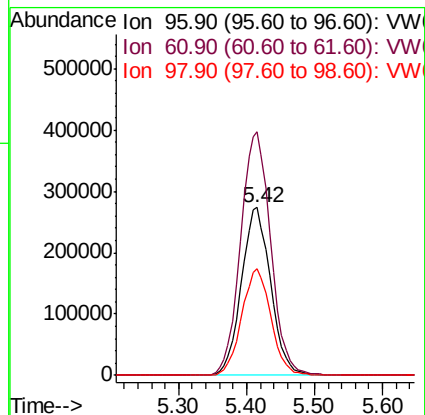
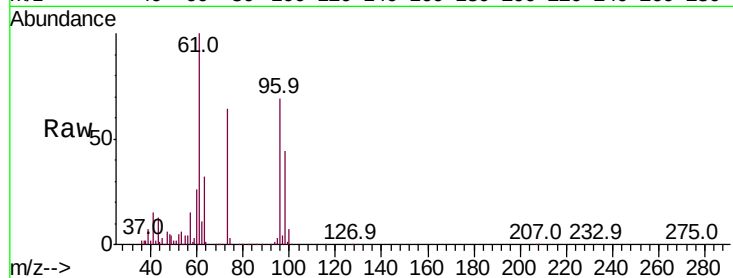
98 63.7 50.5 75.7

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#22

Diisopropyl ether

Concen: 54.443 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion: 45 Resp: 2240515

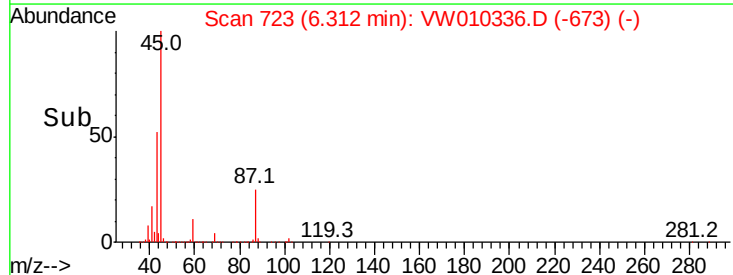
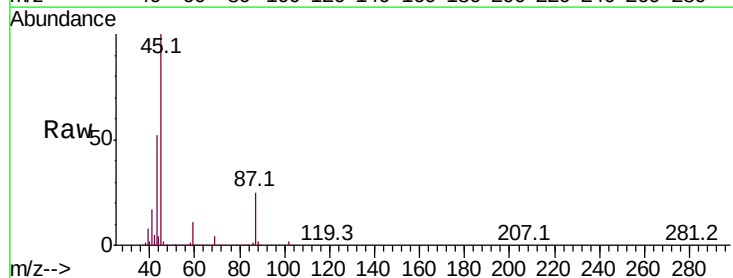
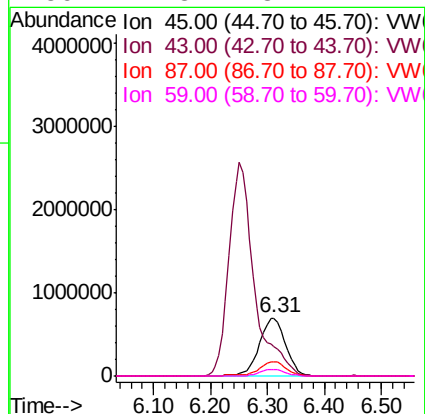
Ion Ratio Lower Upper

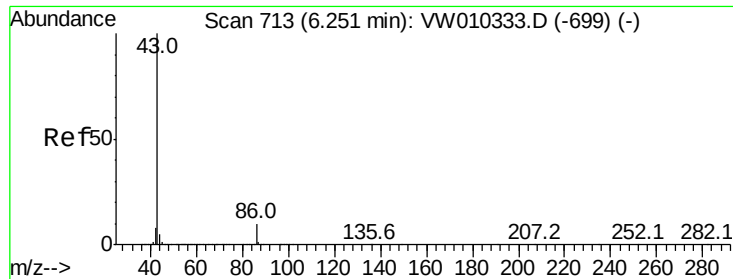
45 100

43 51.6 46.1 69.1

87 25.1 18.3 27.5

59 11.3 8.2 12.4





#23

Vinyl Acetate

Concen: 282.373 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

ICVW050919

Tot Ion: 43 Resp: 7979302

Ion Ratio Lower Upper

43 100

86 9.9

7.0

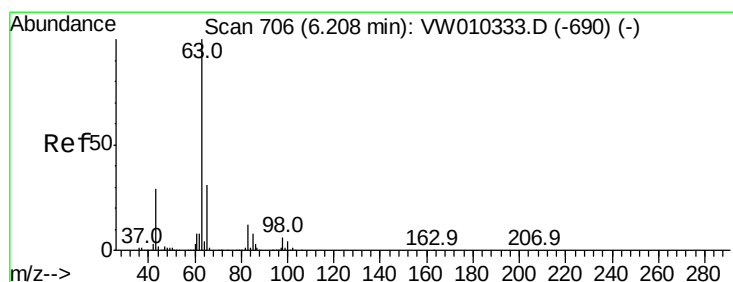
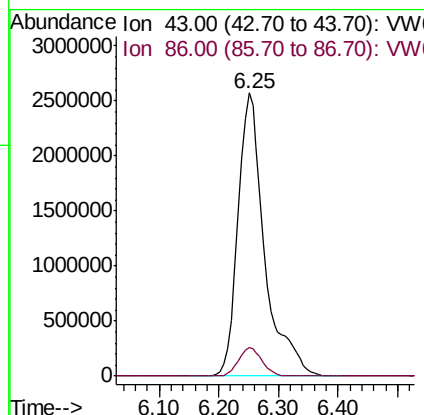
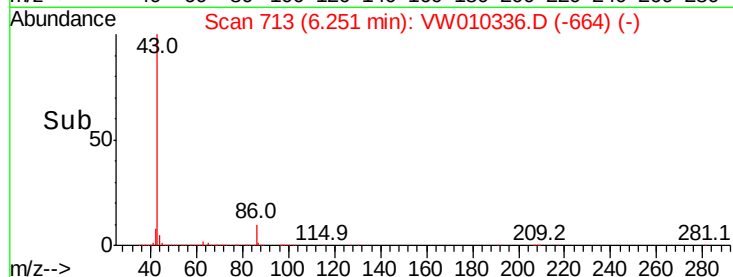
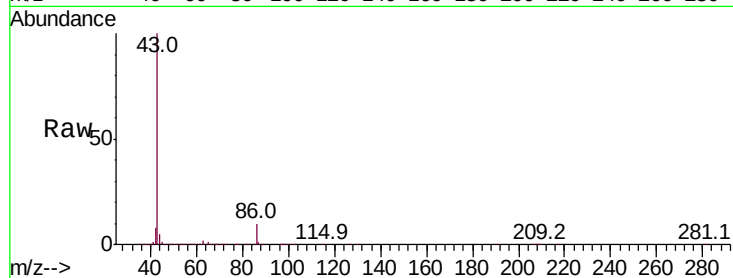
10.6

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#24

1,1-Dichloroethane

Concen: 53.028 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion: 63 Resp: 1469250

Ion Ratio Lower Upper

63 100

98 6.5

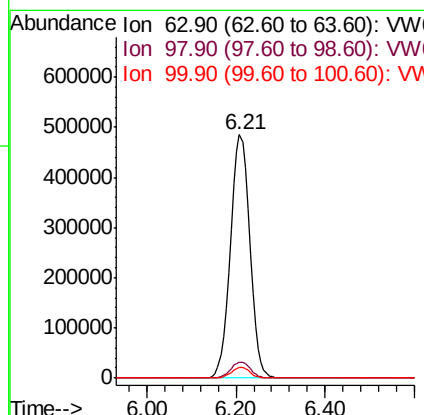
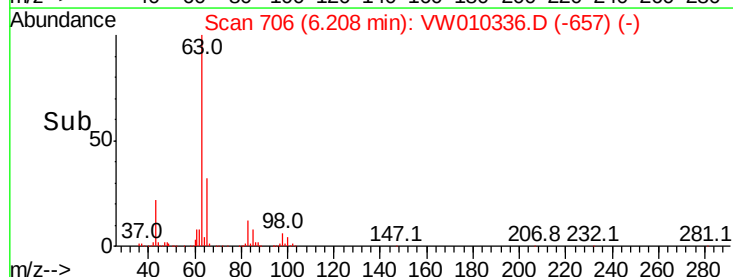
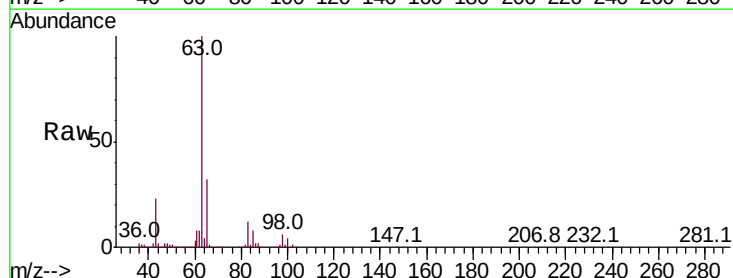
3.3

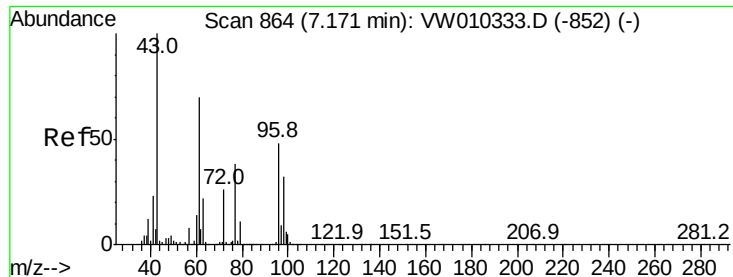
9.8

100 4.2

2.0

6.0





#25

2-Butanone

Concen: 268.108 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 43 Resp: 1480884

Ion Ratio Lower Upper

43 100

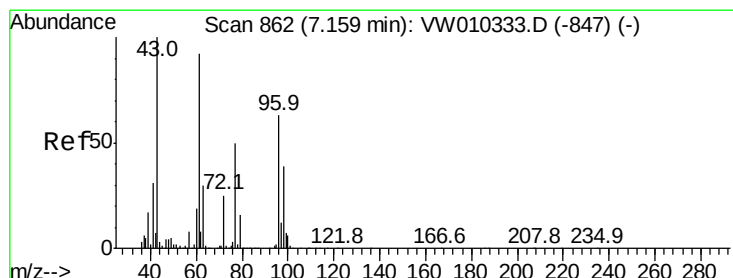
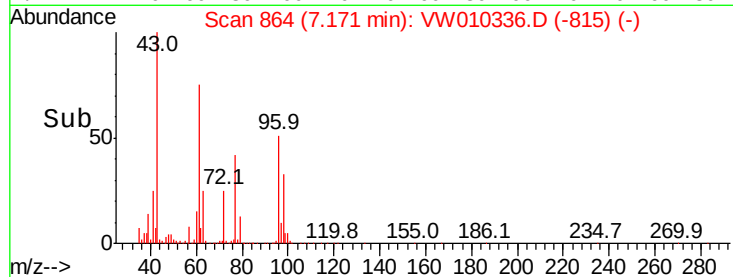
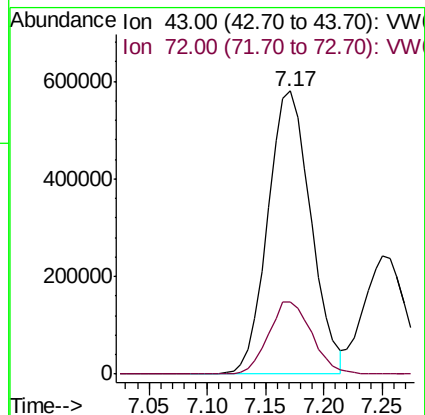
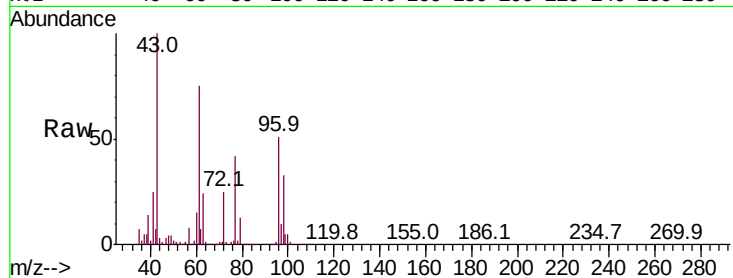
72 25.3 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.104 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010336.D

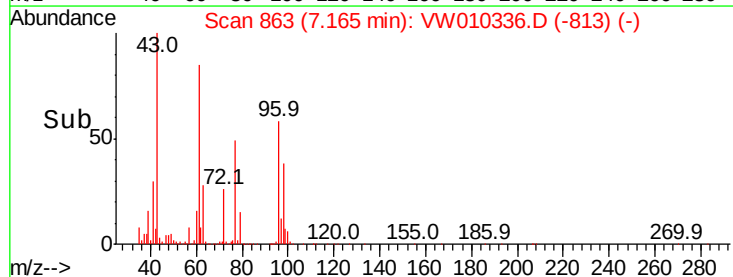
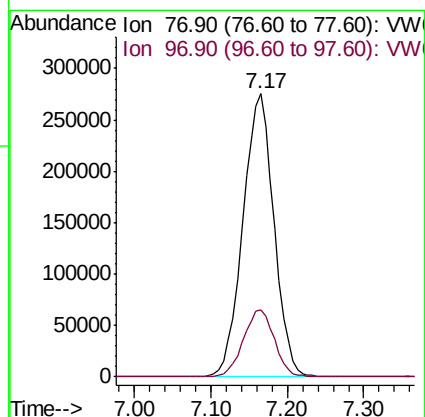
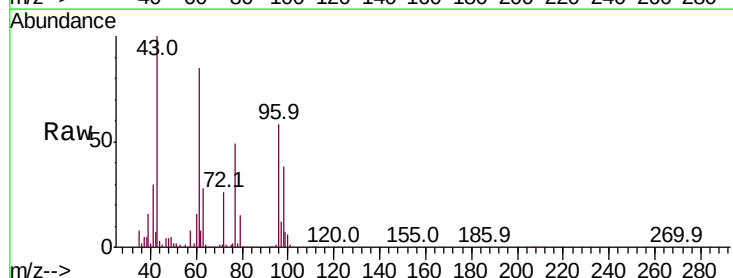
Acq: 09 May 2019 14:26

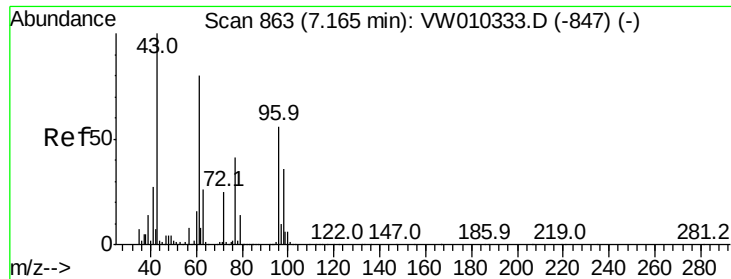
Tgt Ion: 77 Resp: 773425

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.9





#27

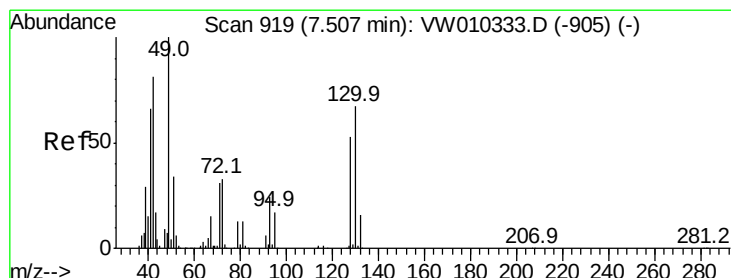
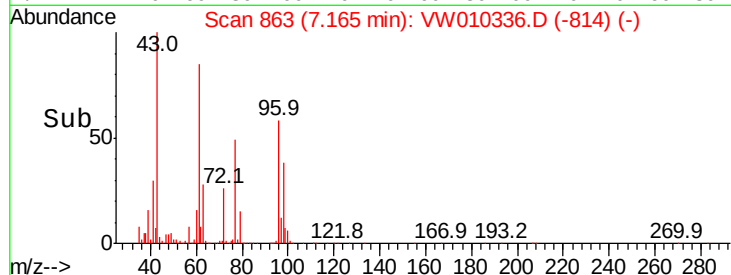
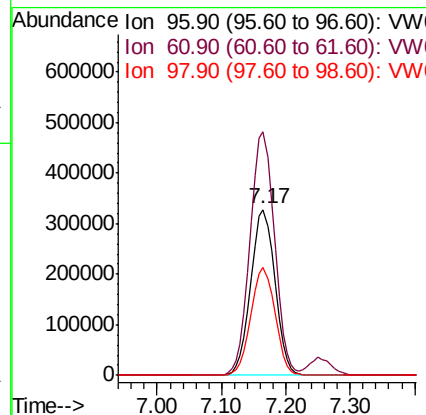
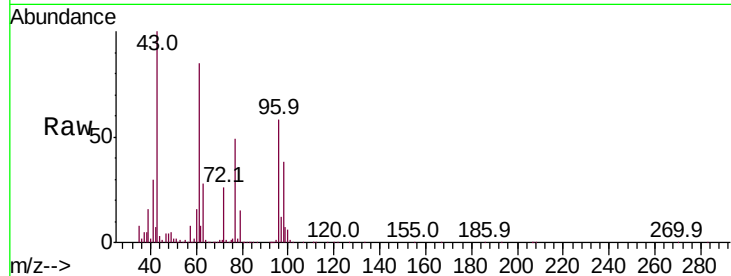
cis-1,2-Dichloroethene
Concen: 53.827 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Resp	Lower	Upper
96	100	846443		
61	148.6		0.0	309.4
98	64.8		0.0	128.6

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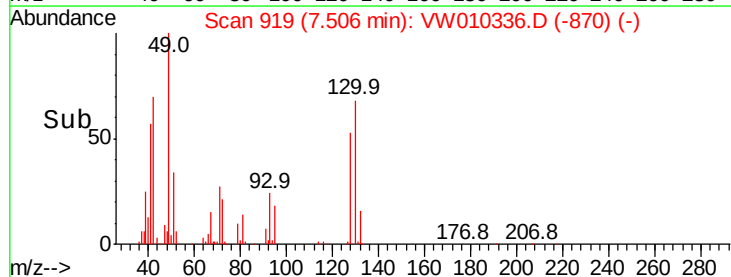
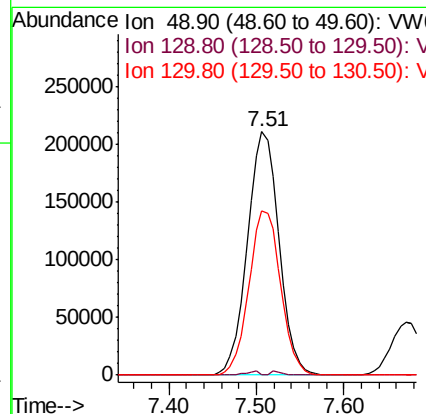
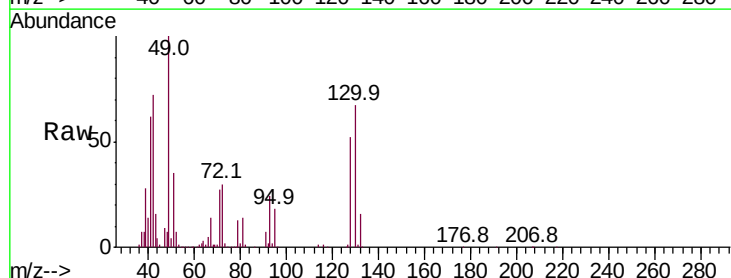
MMDadoda
5/10/2019 10:07:34 AM

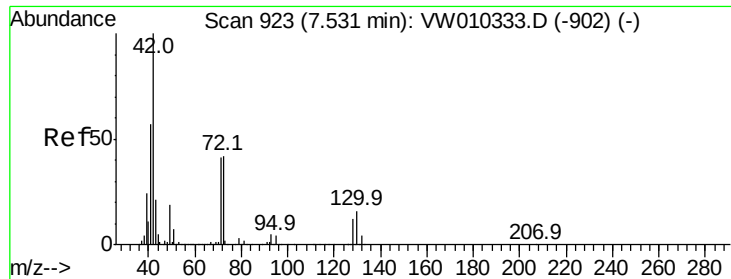


#28

Bromochloromethane
Concen: 51.796 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	529095		
129	0.7		0.0	3.8
130	67.7		54.6	82.0





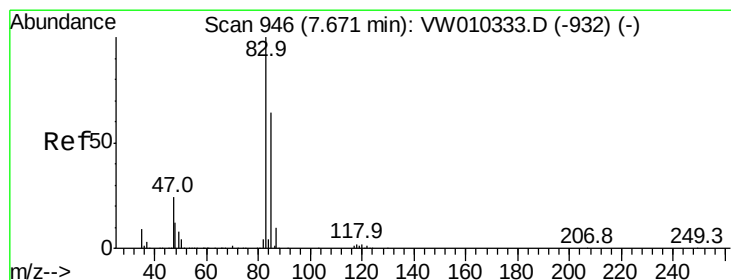
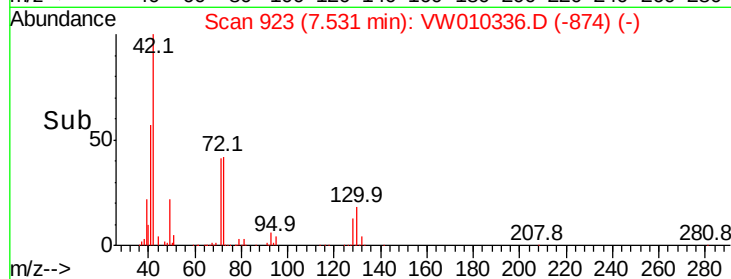
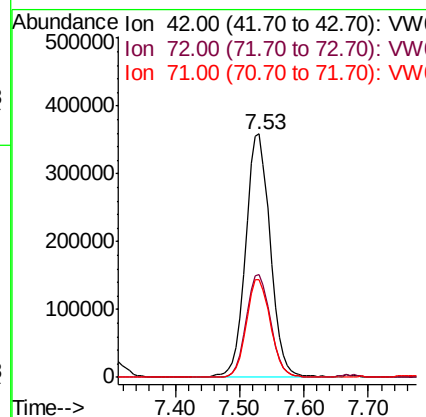
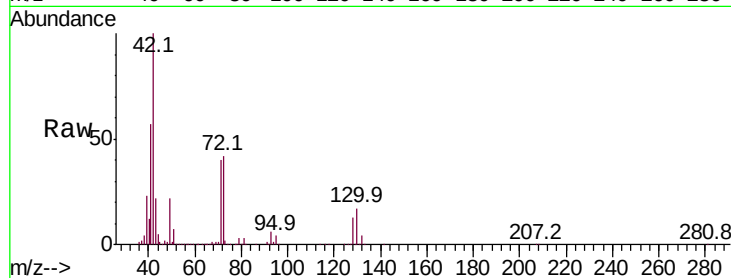
#29
Tetrahydrofuran
Concen: 264.449 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.0	46.6
71	39.1	29.7	44.5

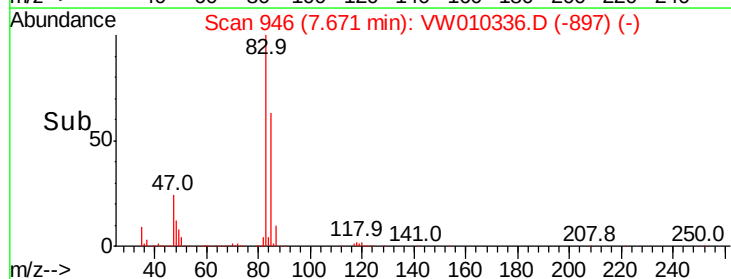
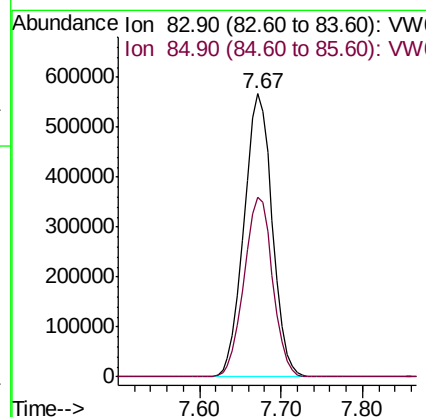
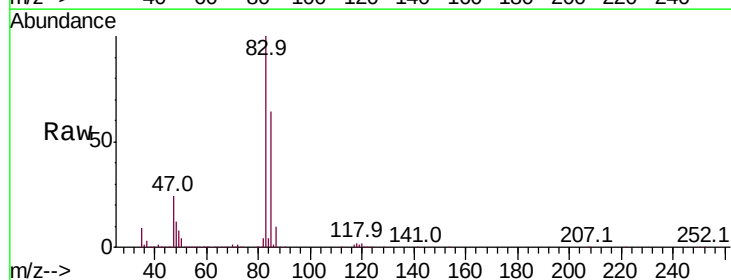
Manual Integrations
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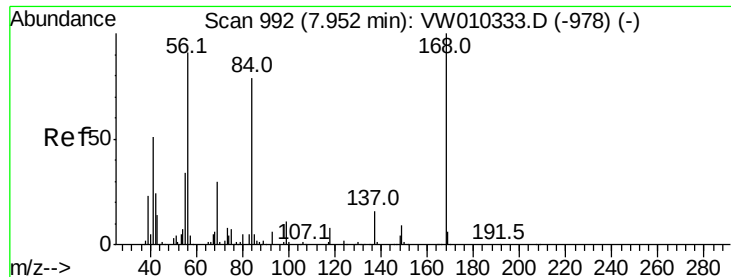
MMDadoda
5/10/2019 10:07:34 AM



#30
Chloroform
Concen: 52.537 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.7	76.1





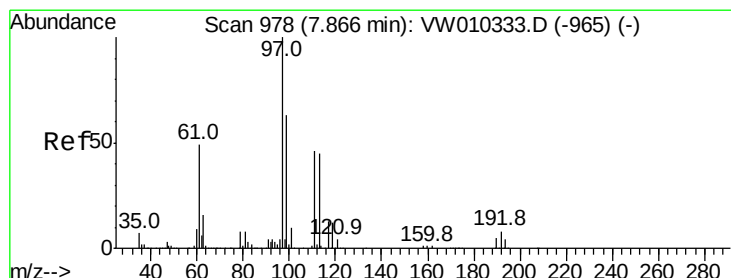
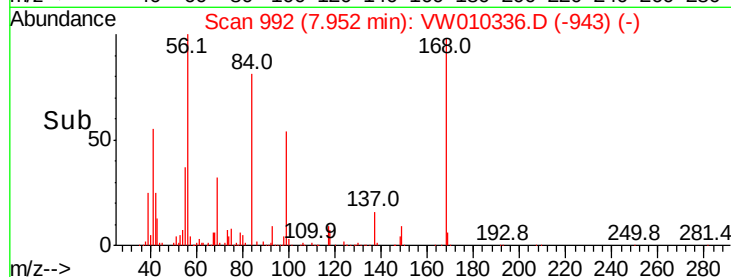
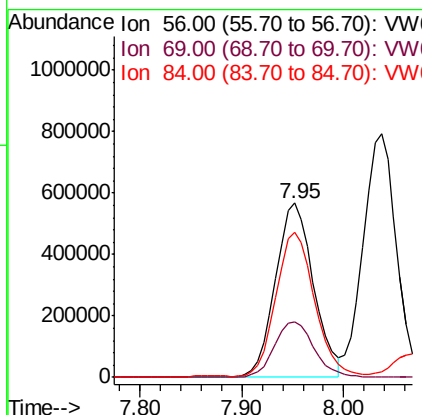
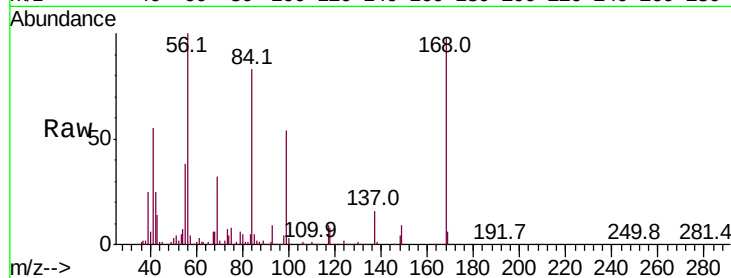
#31
Cyclohexane
Concen: 51.761 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion: 56 Resp: 1468431
Ion Ratio Lower Upper
56 100
69 32.1 26.6 40.0
84 82.6 66.2 99.2

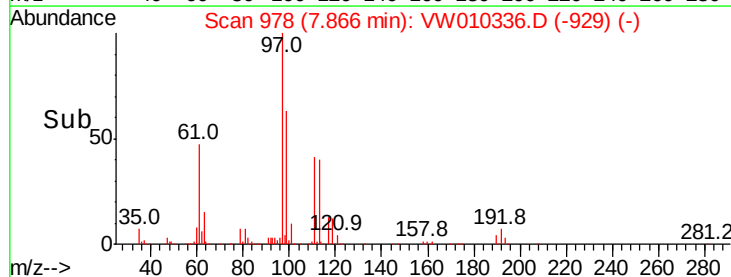
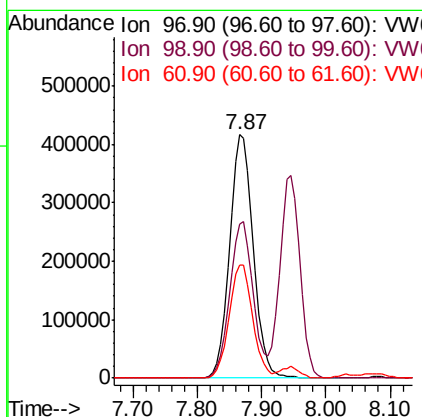
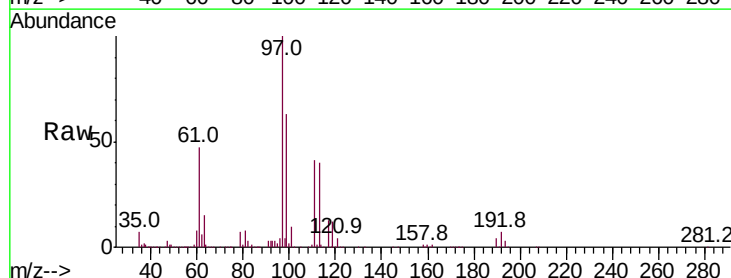
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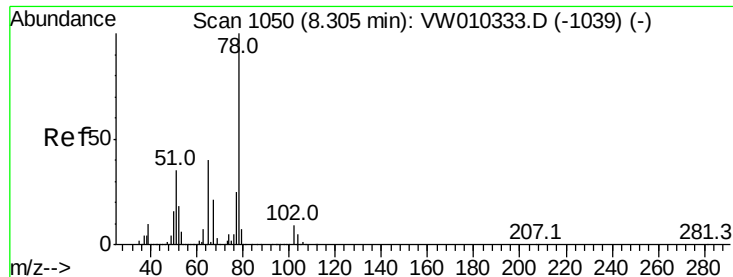
MMDadoda
5/10/2019 10:07:34 AM



#32
1,1,1-Trichloroethane
Concen: 53.420 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion: 97 Resp: 1072957
Ion Ratio Lower Upper
97 100
99 64.1 50.2 75.2
61 46.4 38.2 57.2





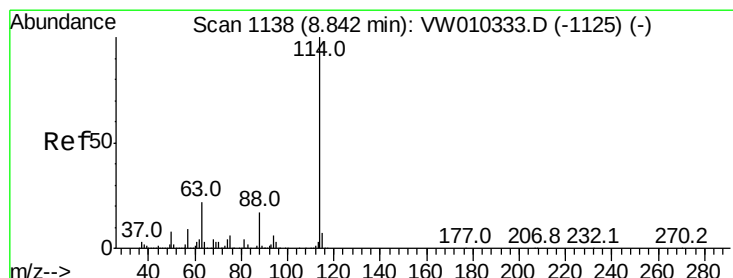
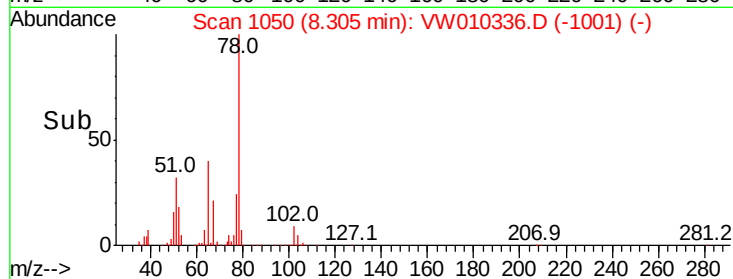
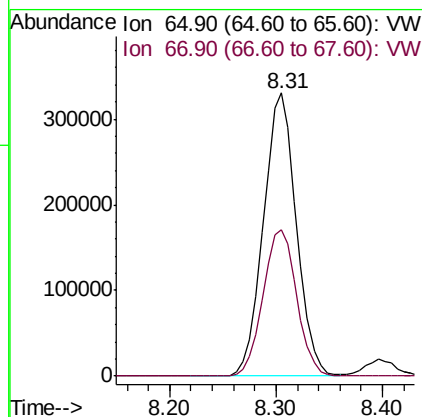
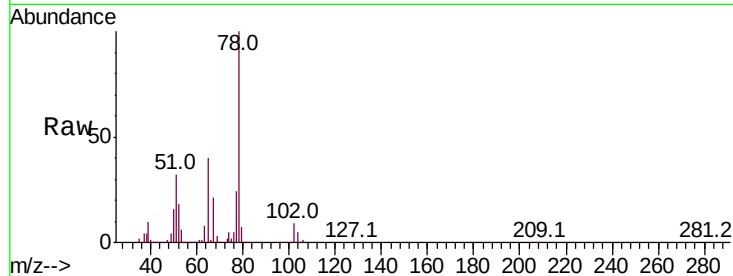
#33
 1,2-Dichloroethane-d4
 Concen: 51.454 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	100.8

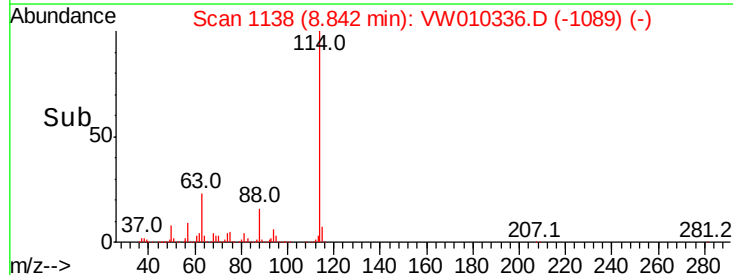
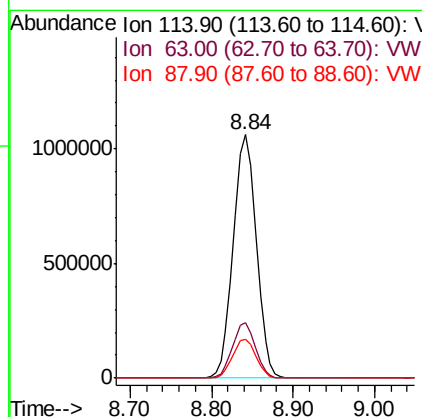
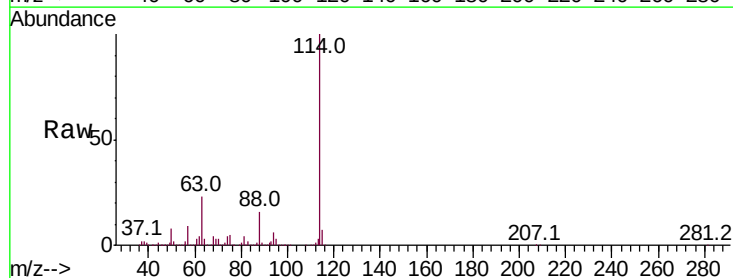
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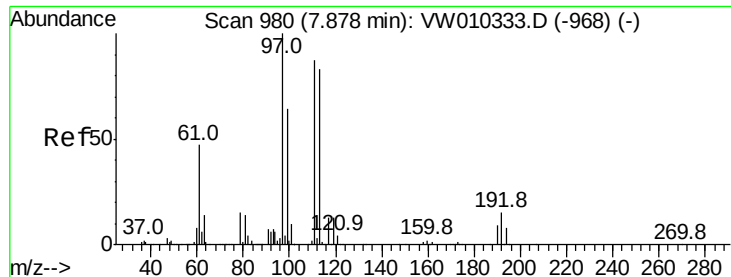
MMDadoda
 5/10/2019 10:07:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.2
88	16.2	0.0	32.6





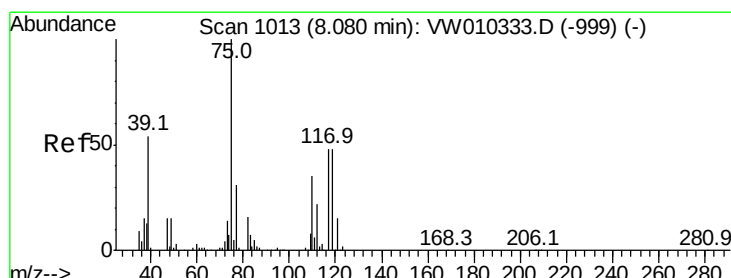
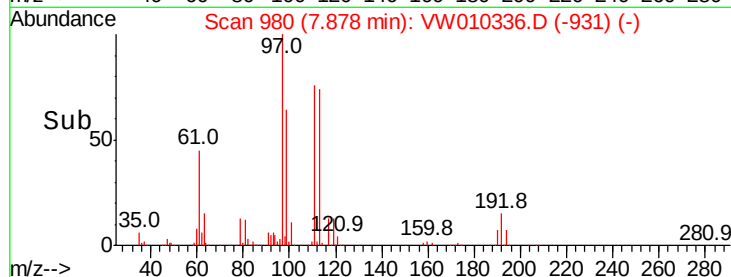
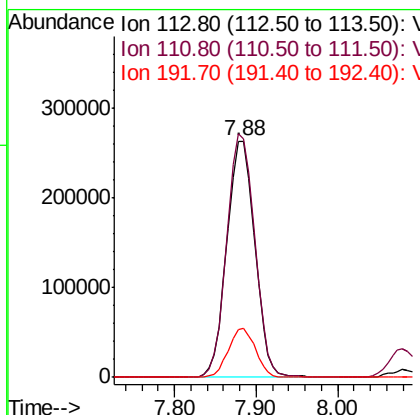
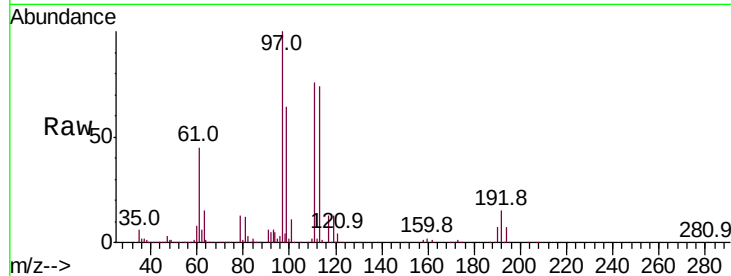
#35
 Dibromofluoromethane
 Concen: 51.581 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.1	15.4	23.2

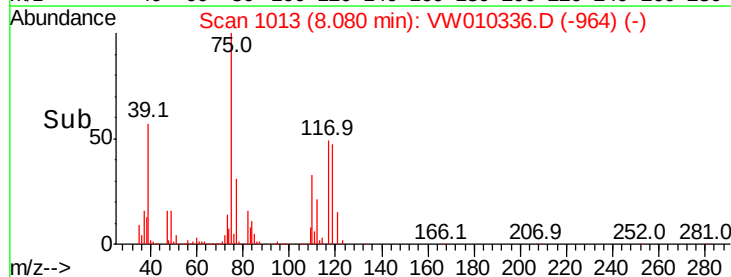
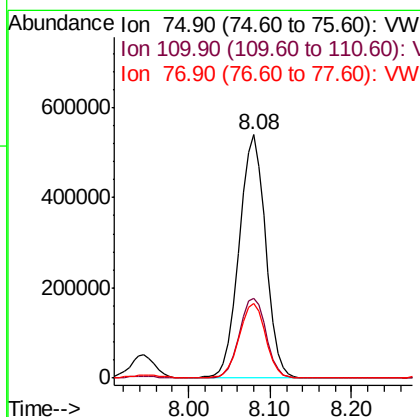
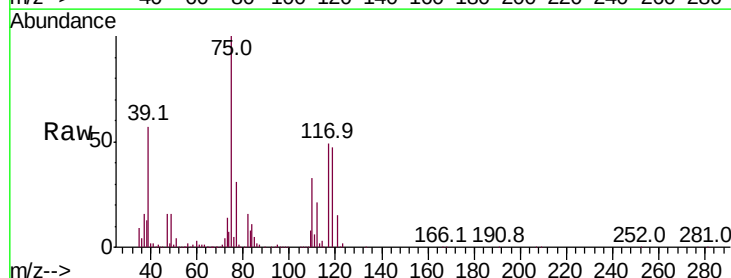
Manual Integrations
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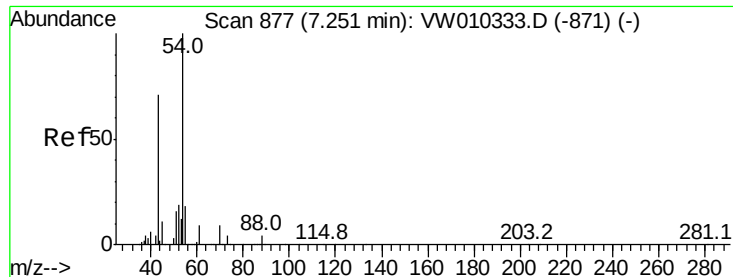
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 5/10/2019 10:07:34 AM



#36
 1,1-Dichloropropene
 Concen: 53.945 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.6	49.8
77	30.9	24.8	37.2





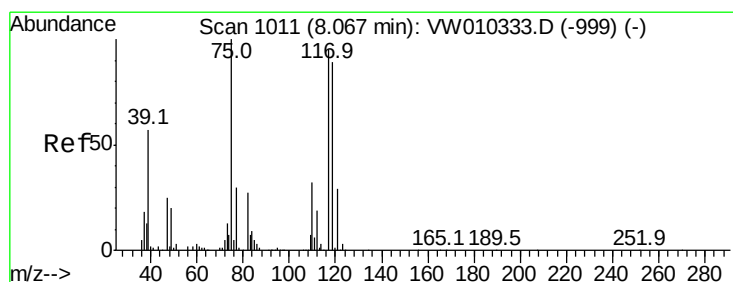
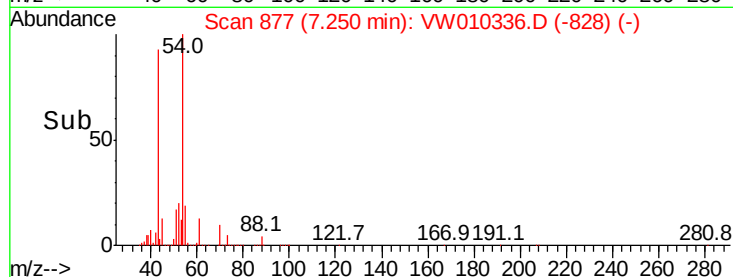
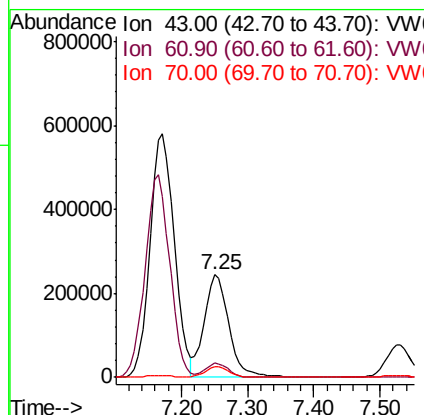
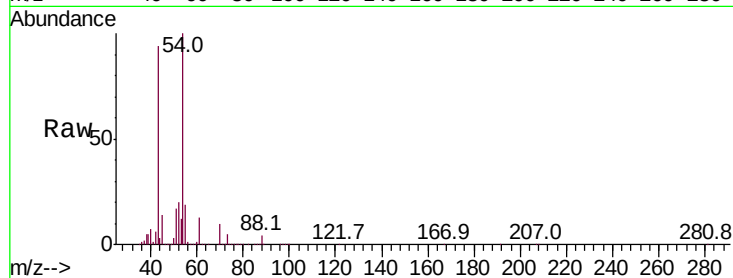
#37
Ethyl Acetate
Concen: 52.819 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.8	14.8
70	10.4	7.4	11.0

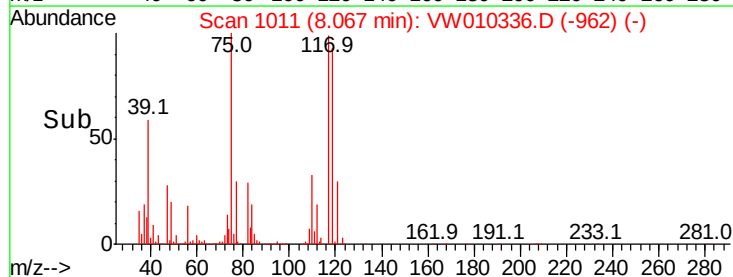
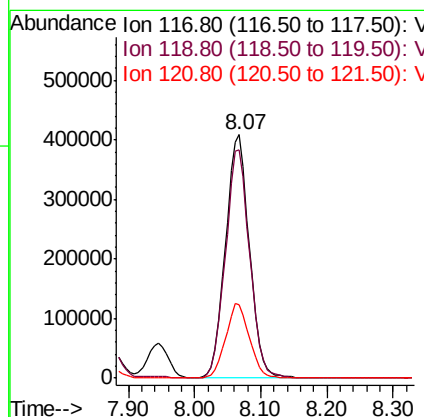
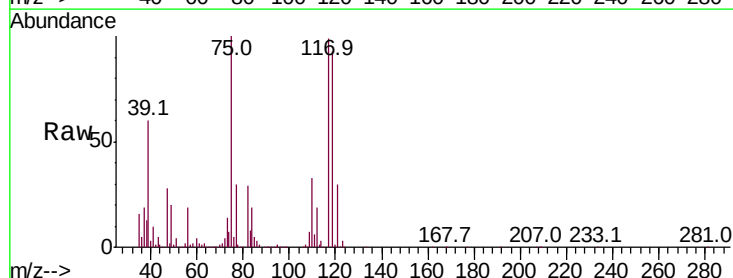
Manual Integrations
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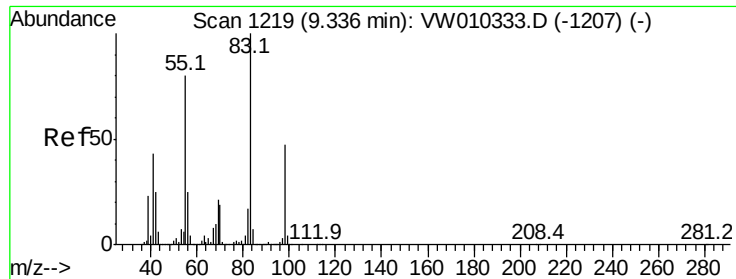
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#38
Carbon Tetrachloride
Concen: 53.239 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.3	112.9
121	30.4	24.4	36.6





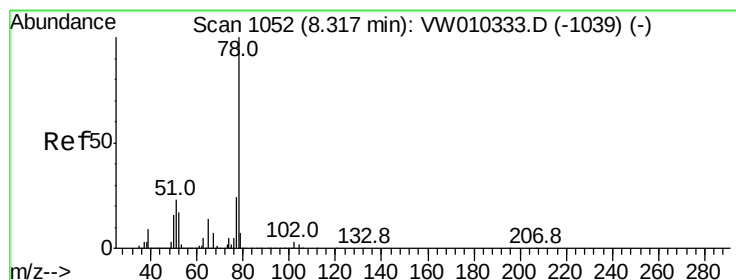
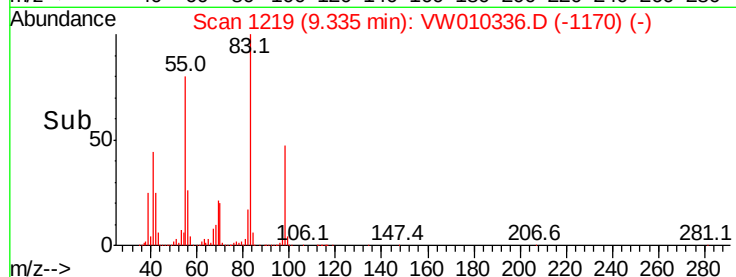
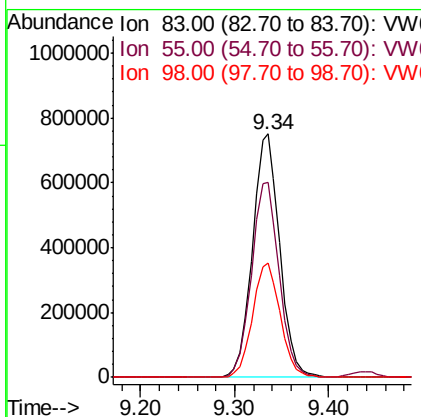
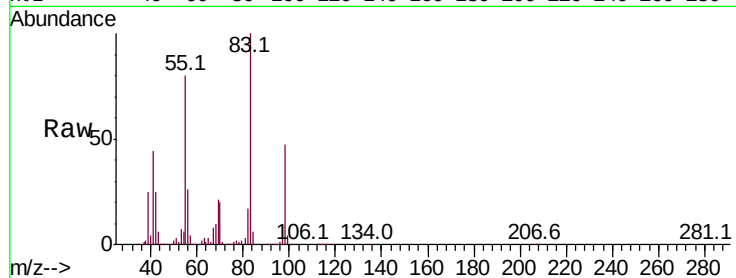
#39
Methylvlcyclohexane
Concen: 55.601 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	67.1	100.7
98	47.0	39.2	58.8

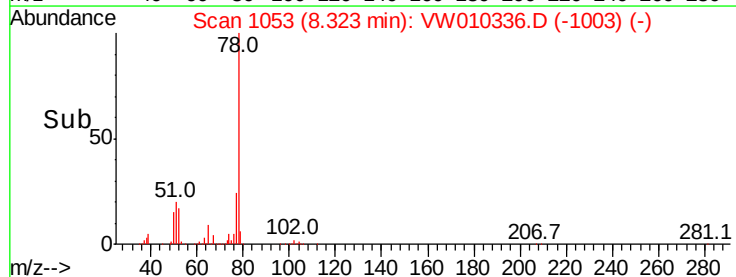
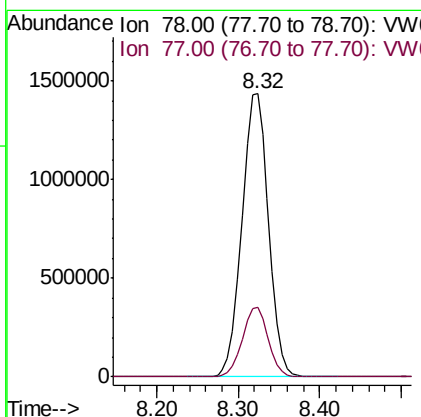
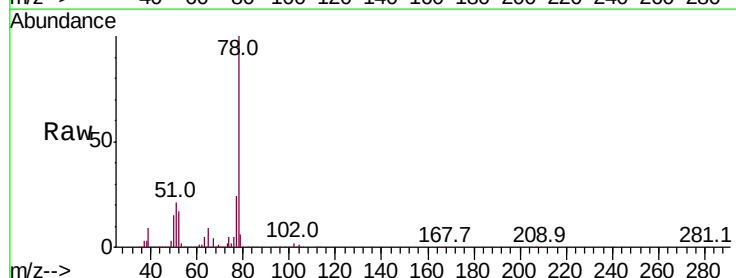
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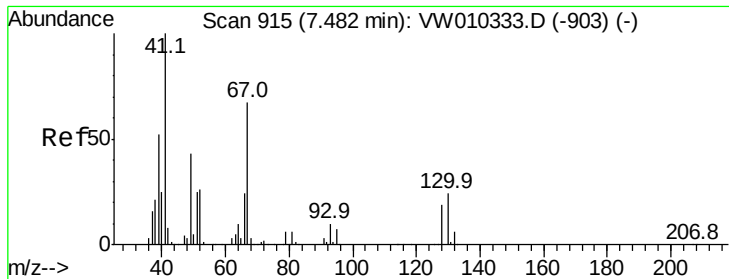
MMDadoda
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#40
Benzene
Concen: 52.748 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





#41

Methacrylonitrile

Concen: 54.403 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 41 Resp: 364188

Ion Ratio Lower Upper

41 100

39 57.9 45.0 67.4

67 70.0 50.7 76.1

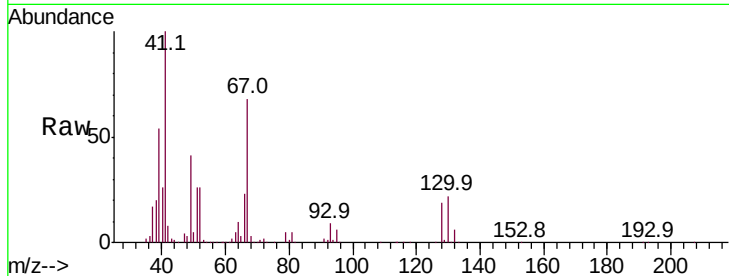
52 28.1 22.6 33.8

Manual Integrations

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5/10/2019 10:07:34 AM



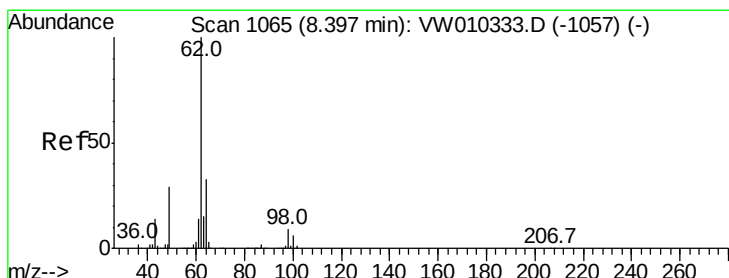
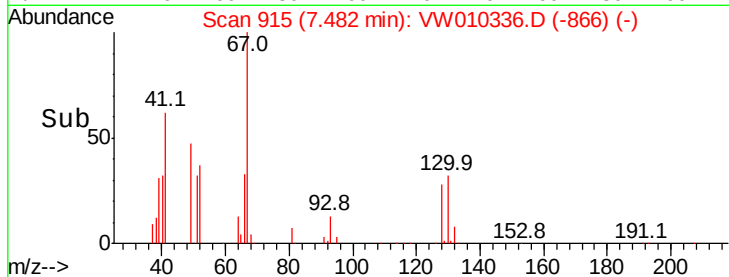
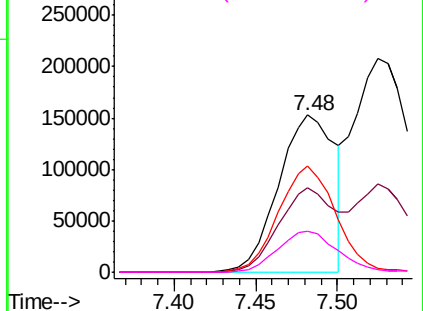
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.020 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010336.D

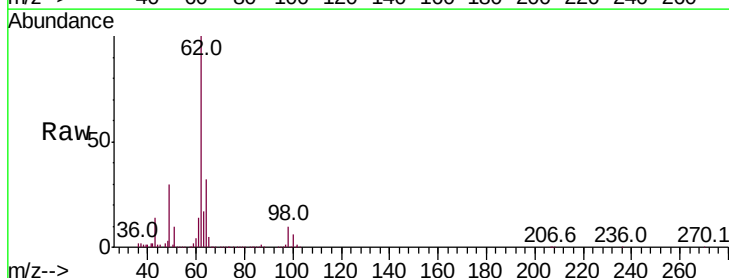
Acq: 09 May 2019 14:26

Tgt Ion: 62 Resp: 914225

Ion Ratio Lower Upper

62 100

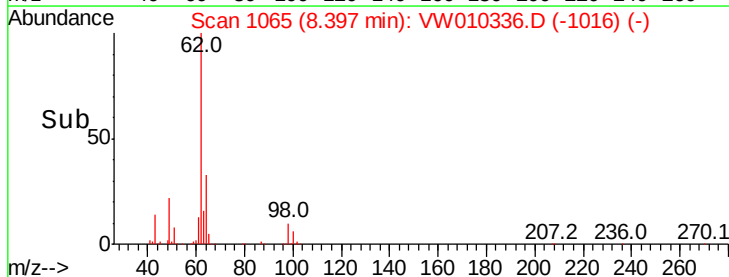
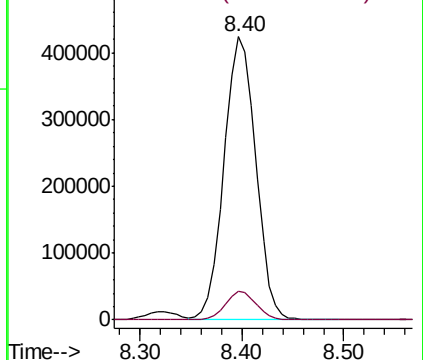
98 9.7 0.0 16.6

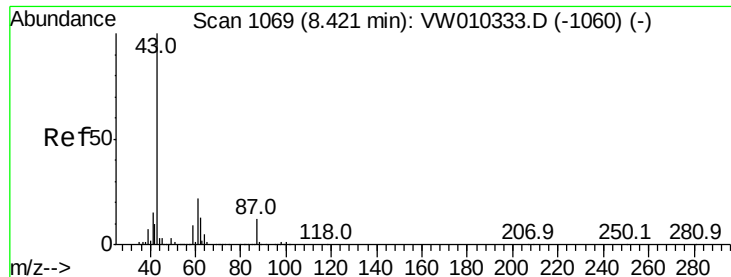


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.537 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 43 Resp: 1059865

Ion Ratio Lower Upper

43 100

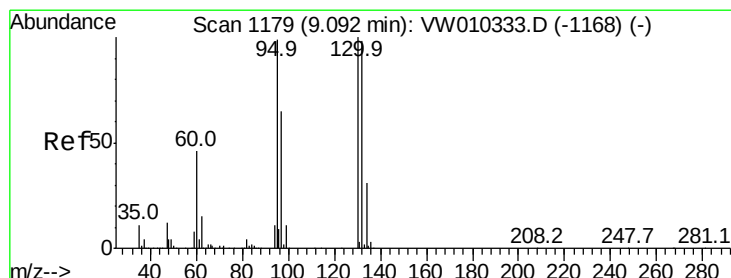
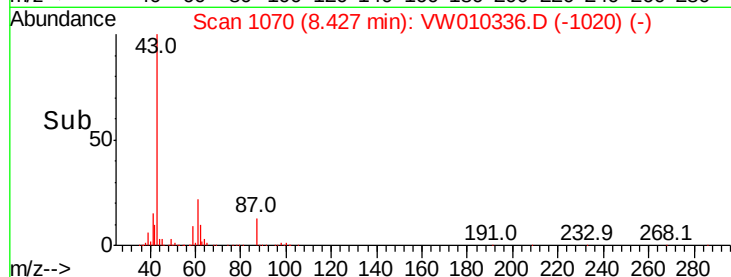
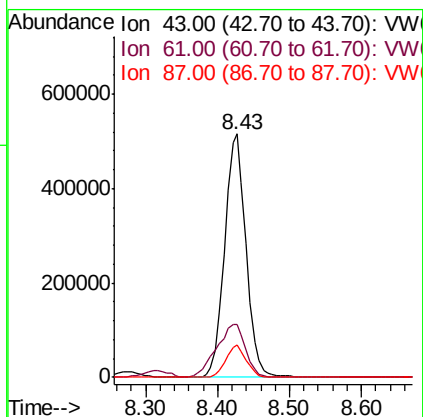
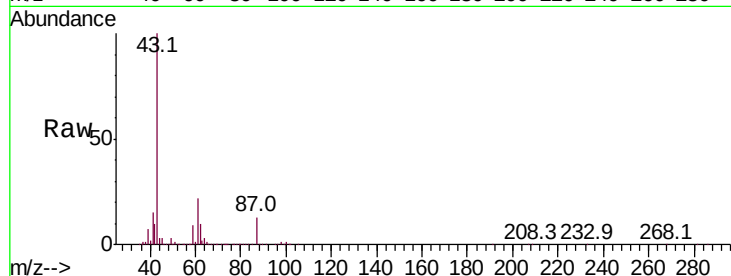
61 29.6 23.0 34.6

87 12.8 9.3 13.9

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#44

Trichloroethene

Concen: 52.842 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010336.D

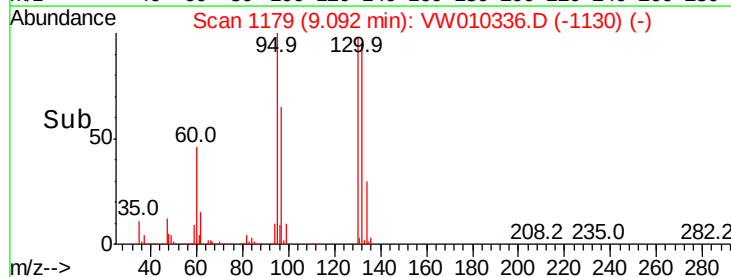
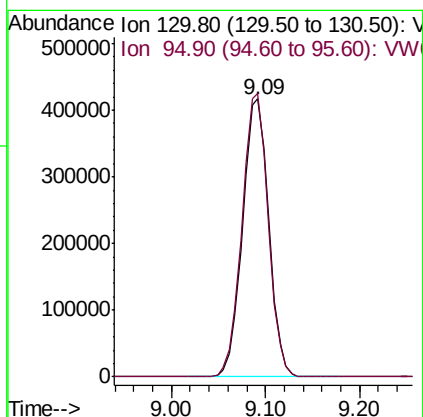
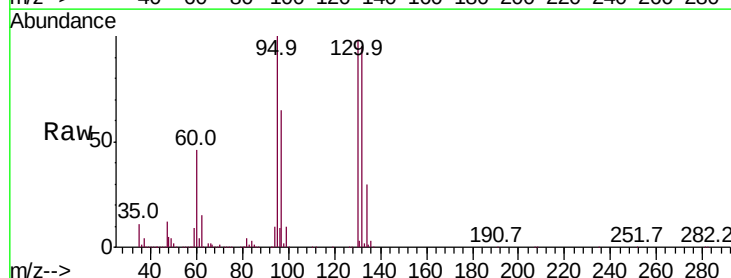
Acq: 09 May 2019 14:26

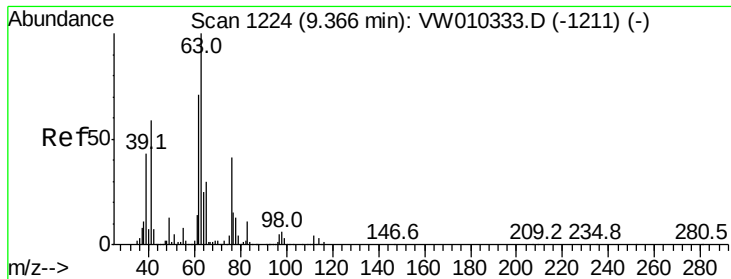
Tgt Ion: 130 Resp: 812230

Ion Ratio Lower Upper

130 100

95 102.0 0.0 205.4





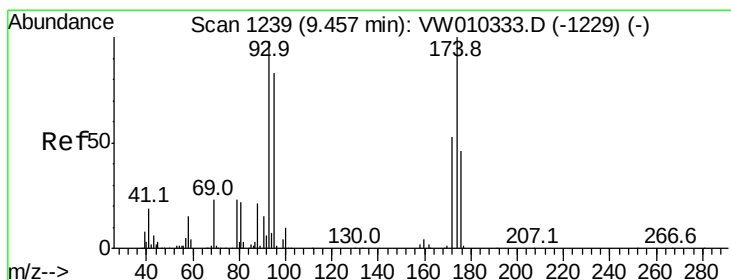
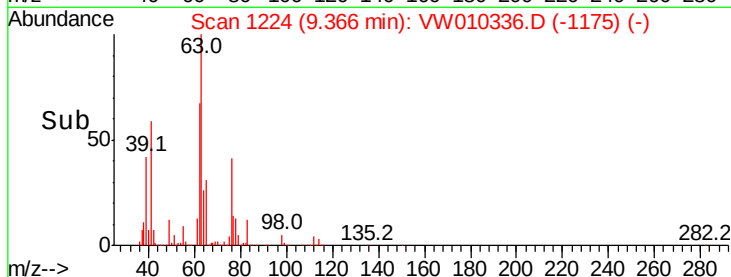
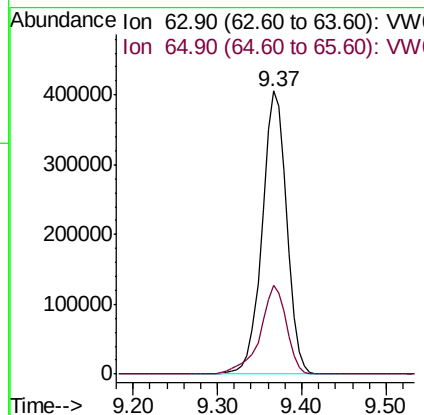
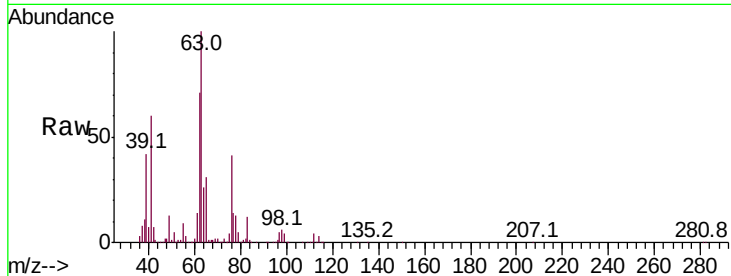
#45
 1,2-Dichloropropane
 Concen: 53.151 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion	Ratio	Resp	Lower	Upper
63	100	811177		
65	31.4		23.8	35.6

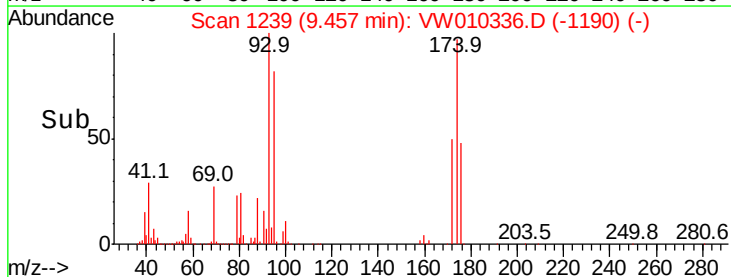
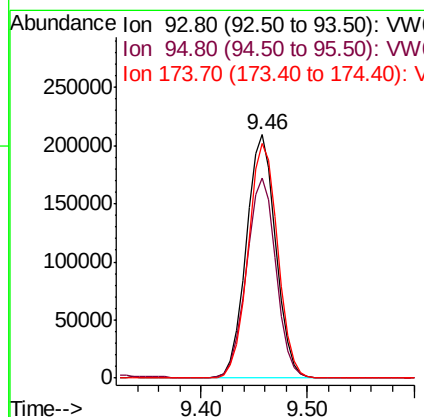
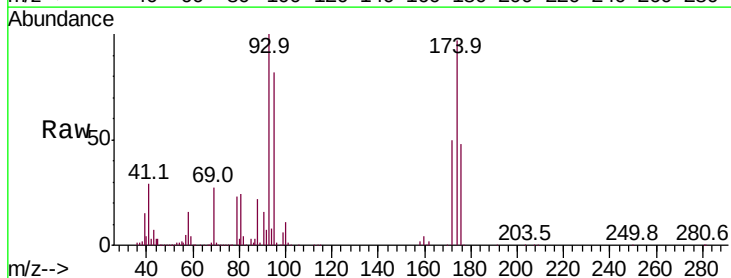
Manual Integrations
 APPROVED

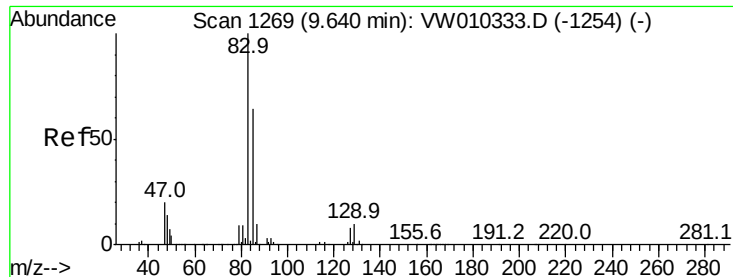
MMDadoda
 5/10/2019 10:07:34 AM



#46
 Dibromomethane
 Concen: 51.690 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	407545		
95	82.1		65.8	98.8
174	96.4		75.5	113.3





#47

Bromodichloromethane

Concen: 52.924 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

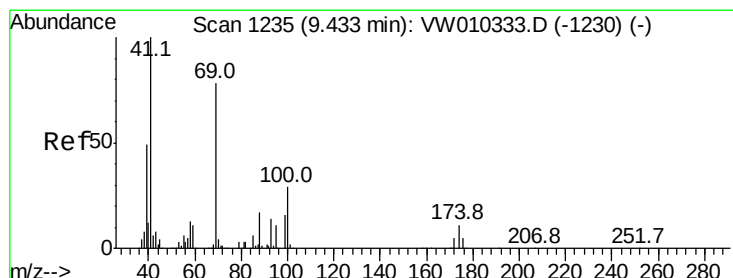
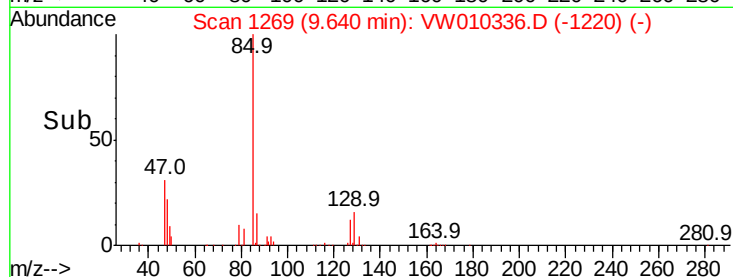
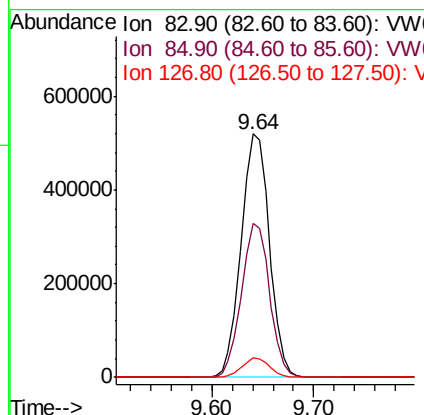
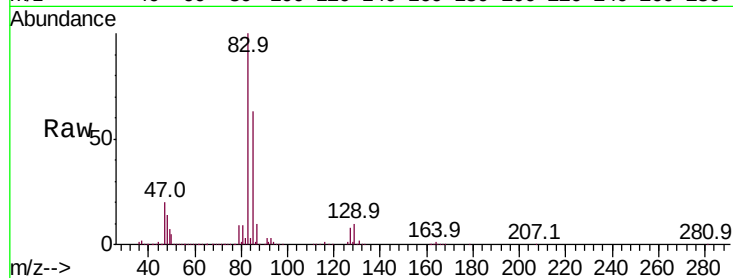
ClientSampleId :

ICVW050919

Tot Ion:	83	Resp:	1000944
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8
127	7.9	6.6	10.0

Manual Integrations
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MMDadoda
5/10/2019 10:07:34 AM



#48

Methyl methacrylate

Concen: 54.636 ug/l

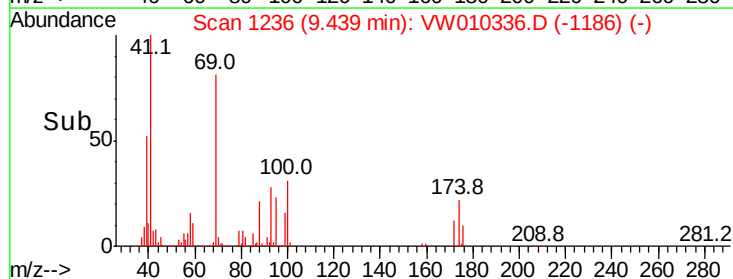
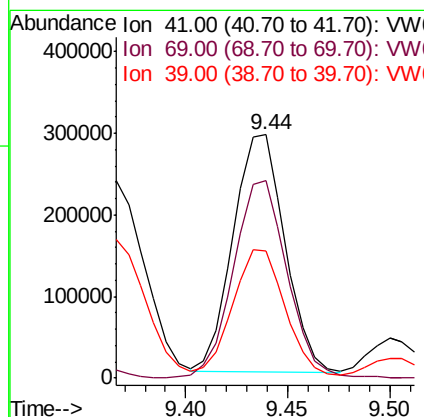
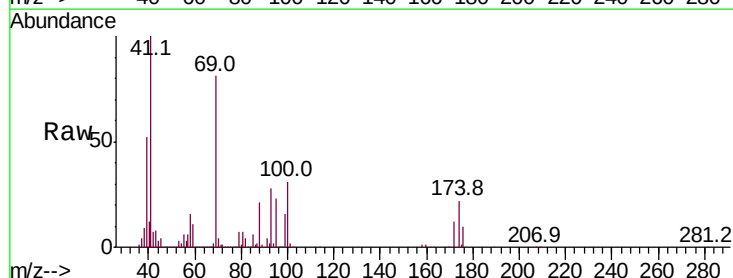
RT: 9.44 min Scan# 1236

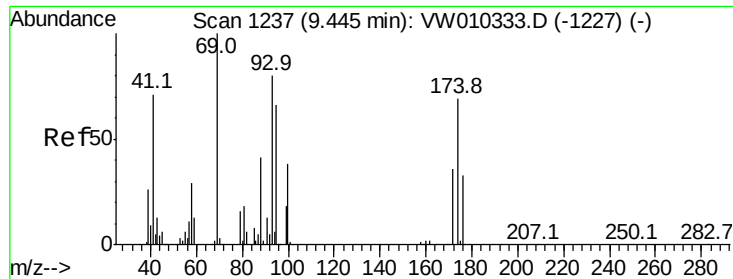
Delta R.T. 0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion:	41	Resp:	511413
Ion	Ratio	Lower	Upper
41	100		
69	87.0	60.1	90.1
39	52.6	51.0	76.6





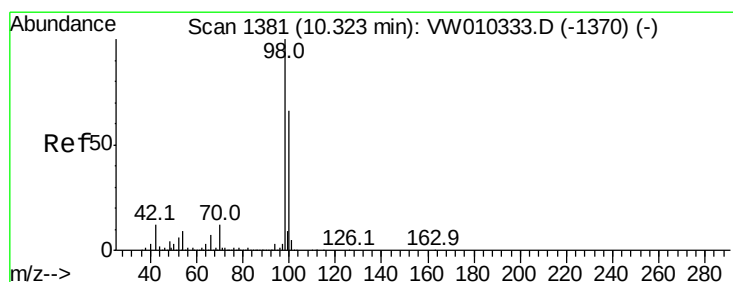
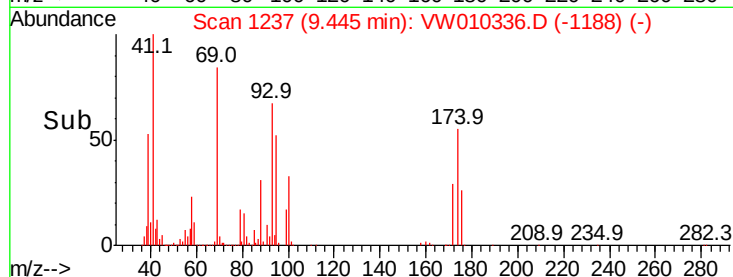
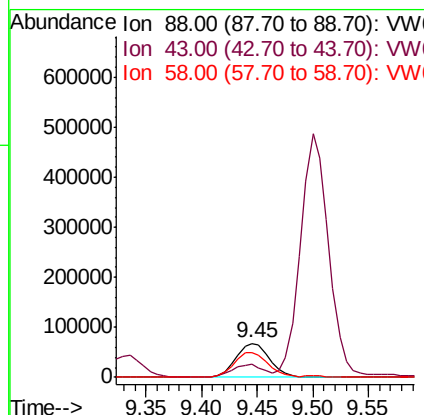
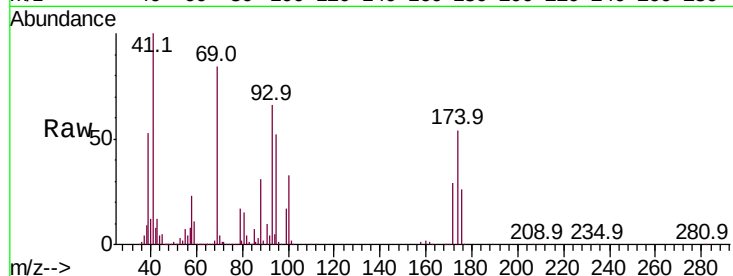
#49
1,4-Dioxane
Concen: 1034.335 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	31.9	47.9
58	77.4	61.8	92.6

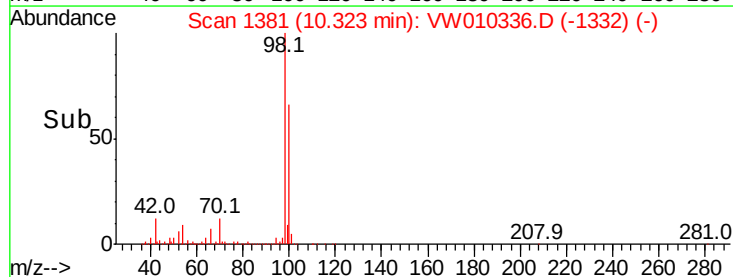
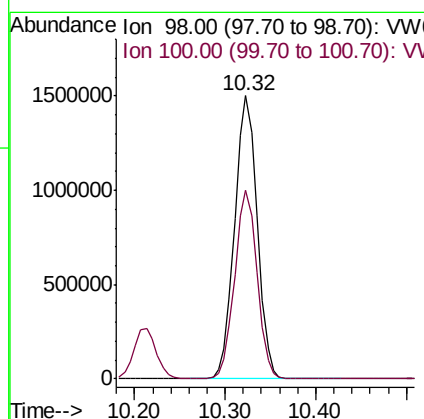
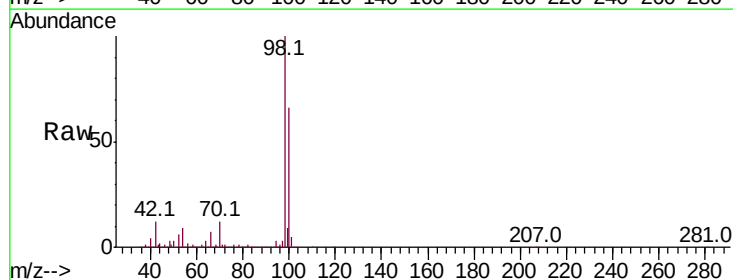
Manual Integrations
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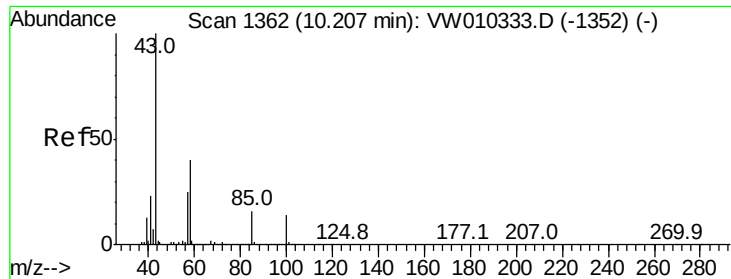
MMDadoda
5/10/2019 10:07:34 AM



#50
Toluene-d8
Concen: 52.659 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 268.478 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 43 Resp: 3047648

Ion Ratio Lower Upper

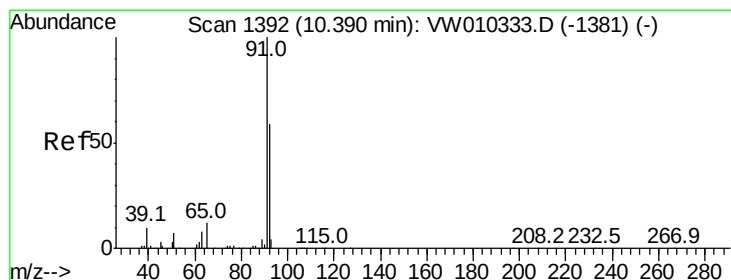
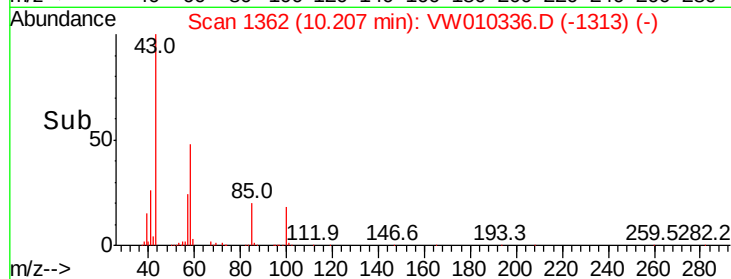
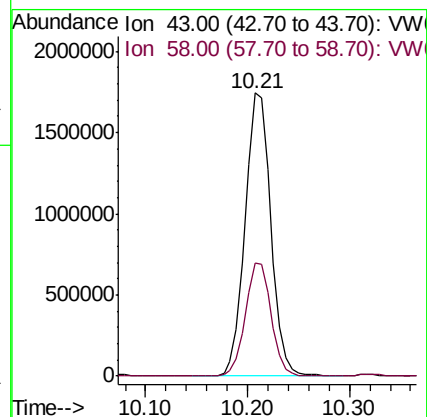
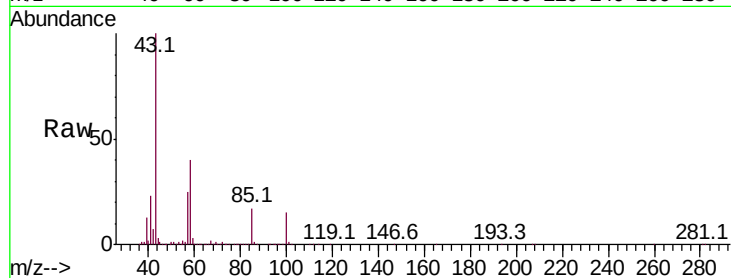
43 100

58 40.0 28.9 43.3

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5/10/2019 10:07:34 AM



#52

Toluene

Concen: 53.505 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010336.D

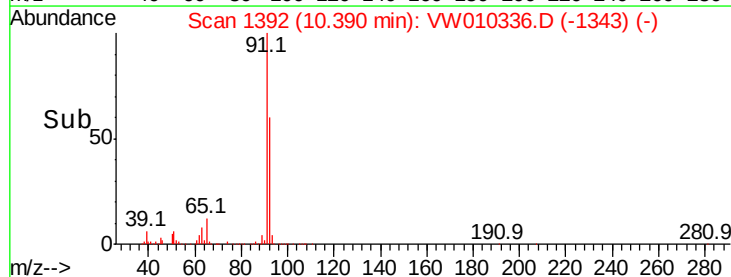
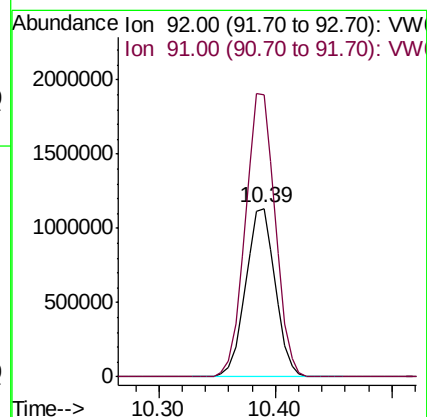
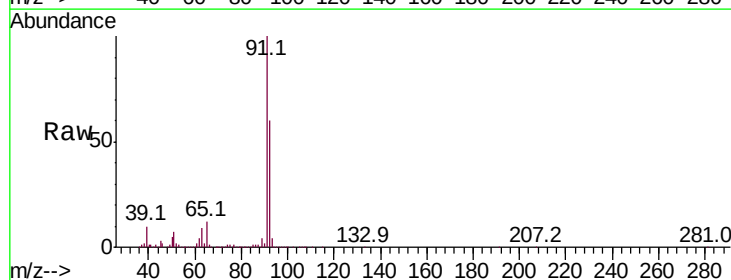
Acq: 09 May 2019 14:26

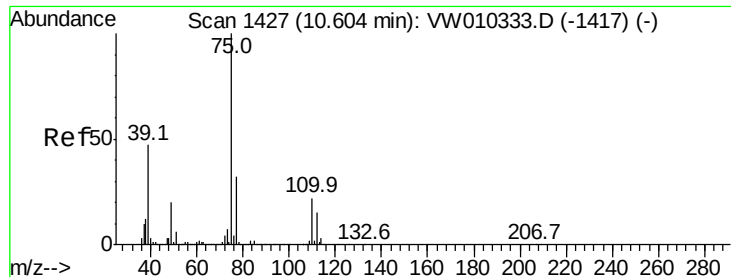
Tgt Ion: 92 Resp: 2007920

Ion Ratio Lower Upper

92 100

91 170.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 55.041 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 75 Resp: 1054422

Ion Ratio Lower Upper

75 100

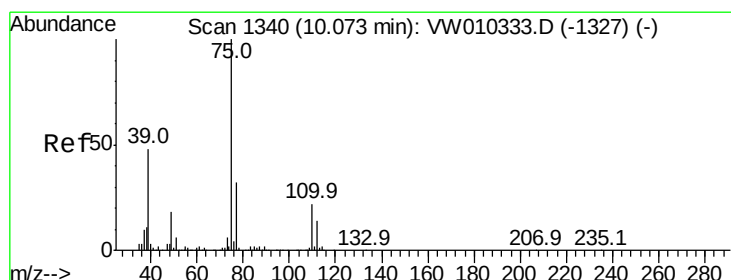
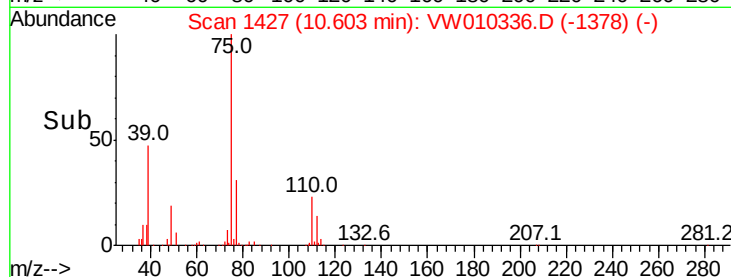
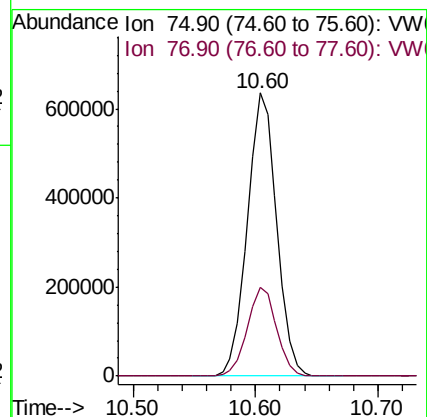
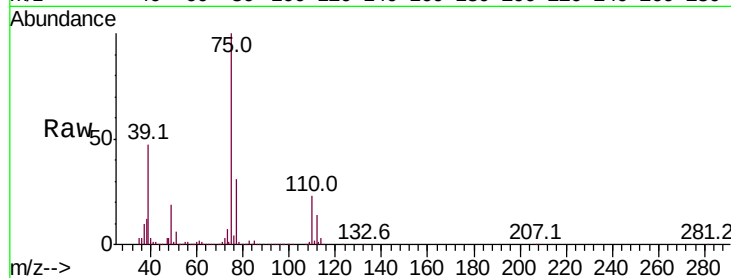
77 31.3 26.9 40.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.440 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

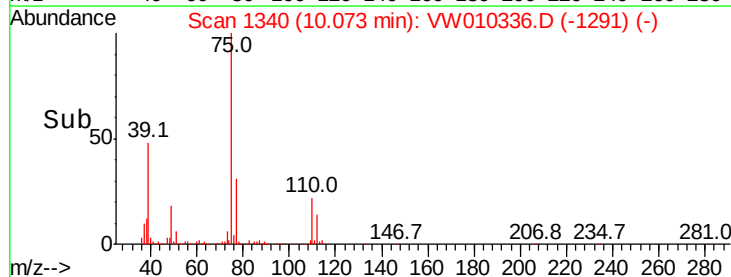
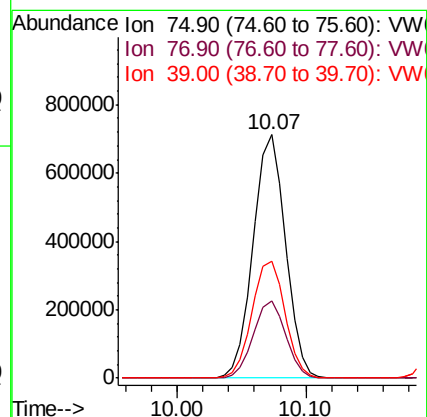
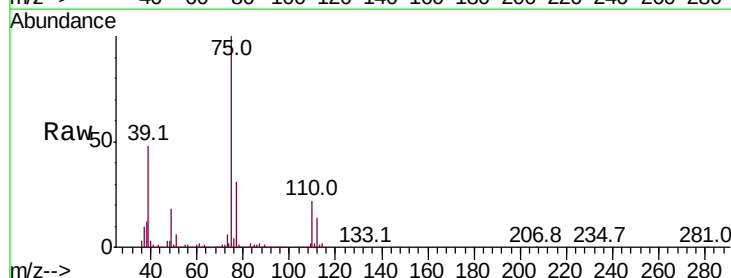
Tgt Ion: 75 Resp: 1235108

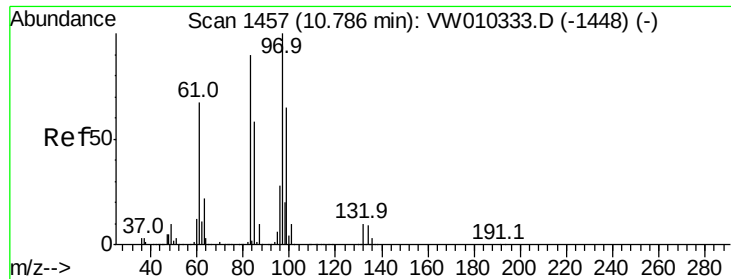
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 47.7 47.8 71.6#





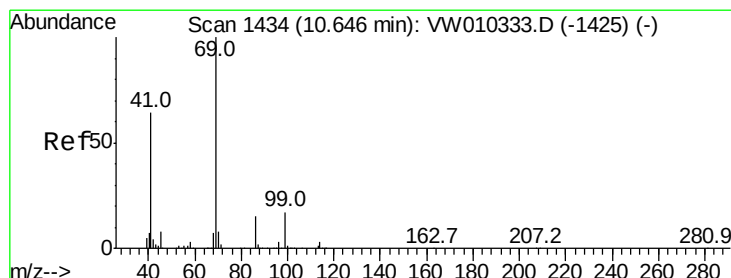
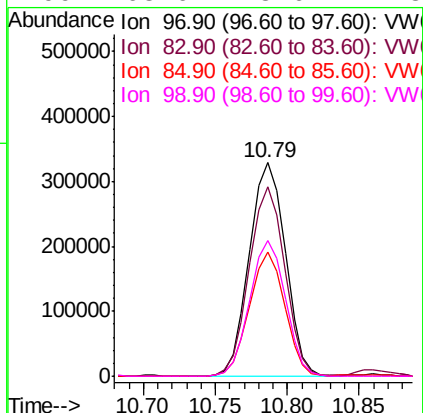
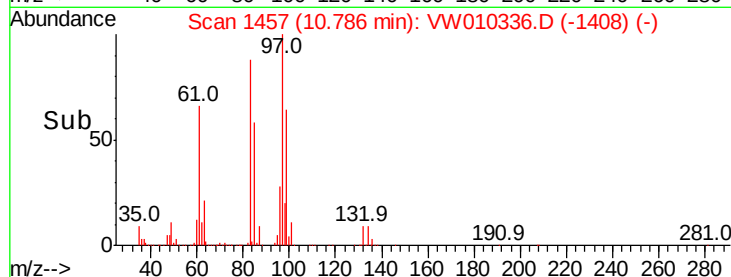
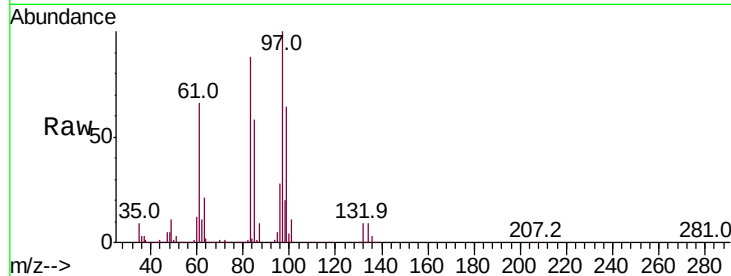
#55
 1,1,2-Trichloroethane
 Concen: 51.158 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.9	103.3
85	58.2	42.9	64.3
99	63.6	48.6	72.8

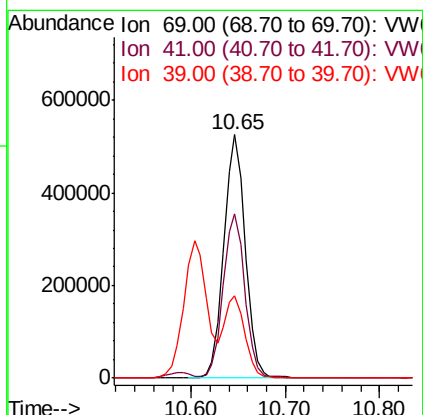
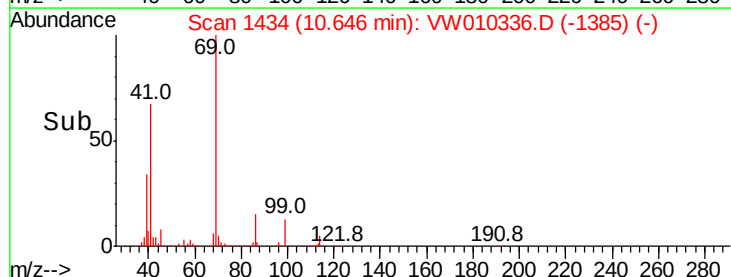
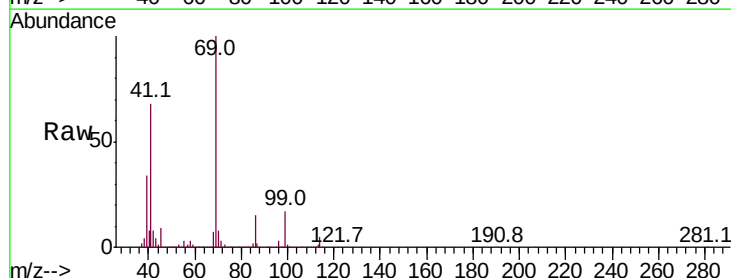
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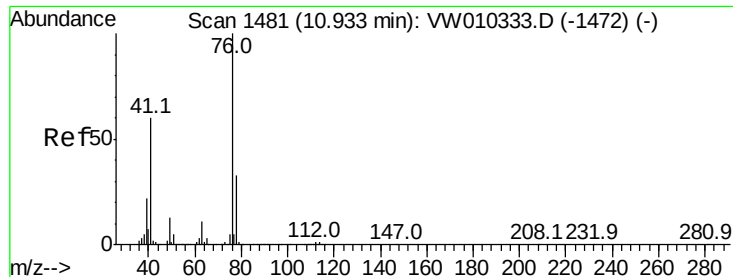
MMDadoda
 5/10/2019 10:07:34 AM



#56
 Ethyl methacrylate
 Concen: 55.826 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.1	61.0	91.6
39	32.2	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 52.173 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :
MSVOA_W

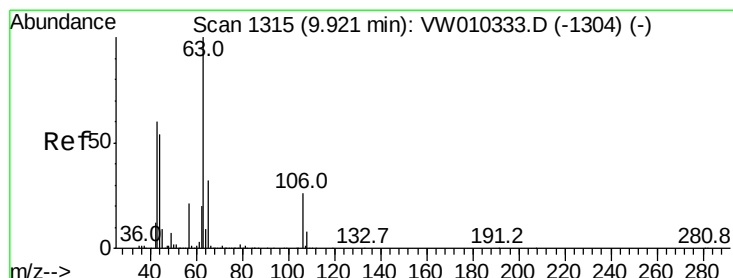
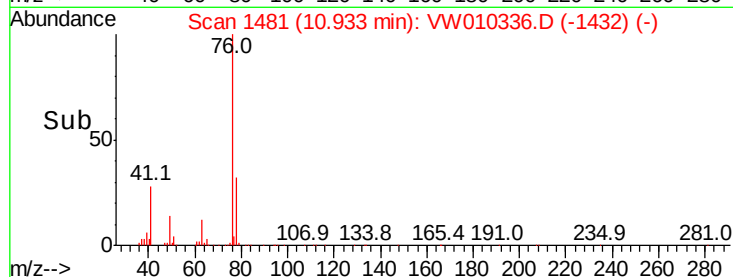
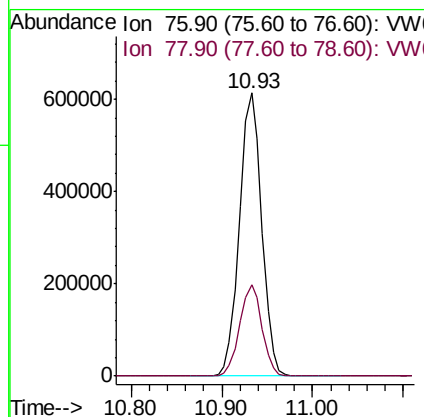
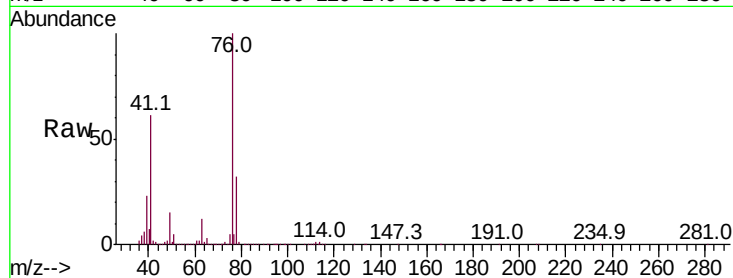
ClientSampleId :
ICVW050919

Tot Ion: 76 Resp: 1044476

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Manual Integrations
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MMDadoda
5/10/2019 10:07:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 266.413 ug/l

RT: 9.92 min Scan# 1315

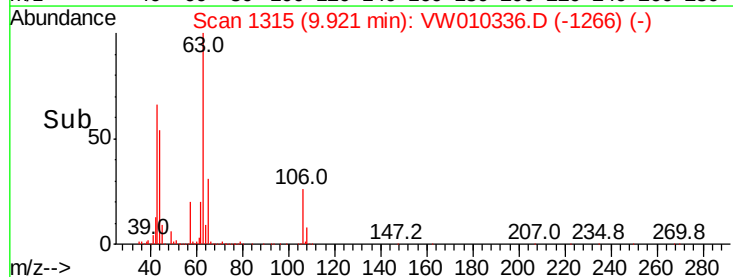
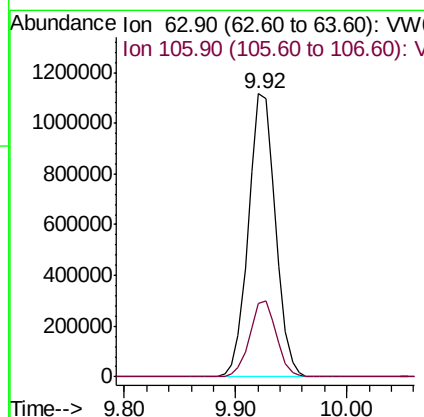
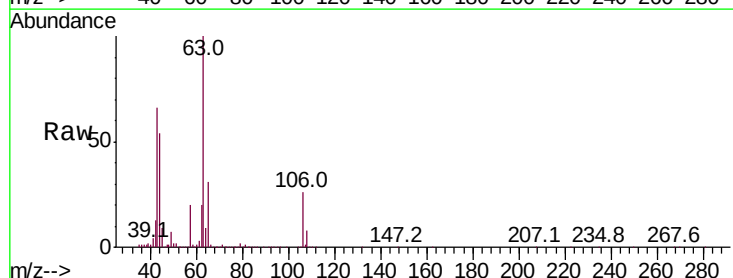
Delta R.T. 0.00 min

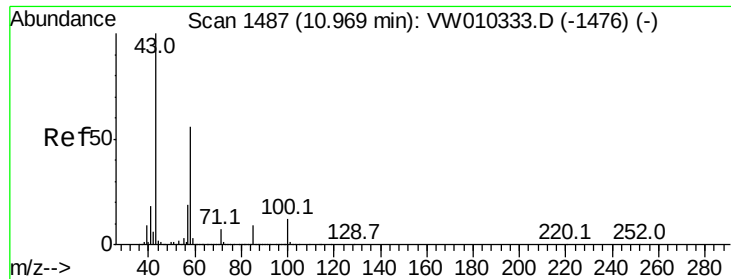
Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion: 63 Resp: 1886263

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.4	32.0





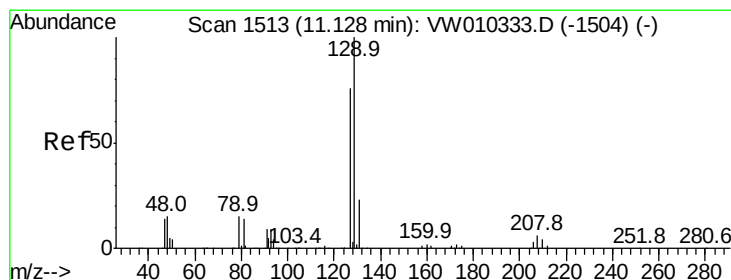
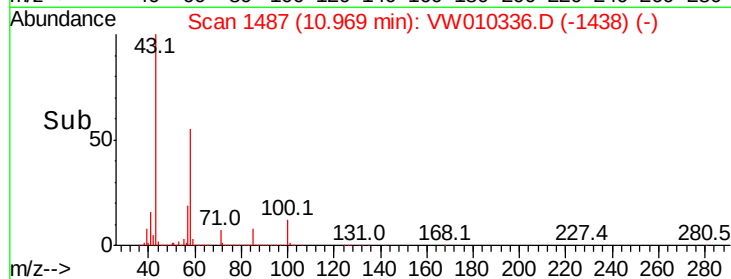
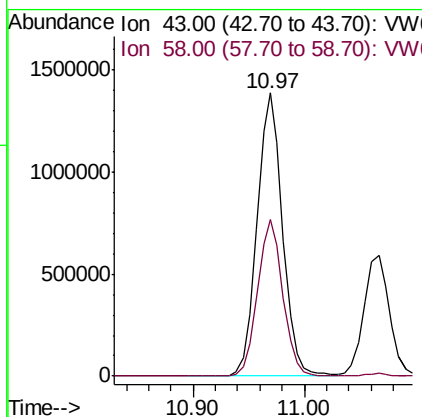
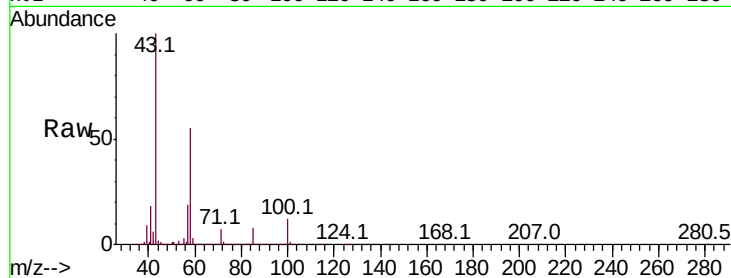
#59
2-Hexanone
Concen: 274.754 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion: 43 Resp: 2205166
Ion Ratio Lower Upper
43 100
58 55.0 24.9 74.7

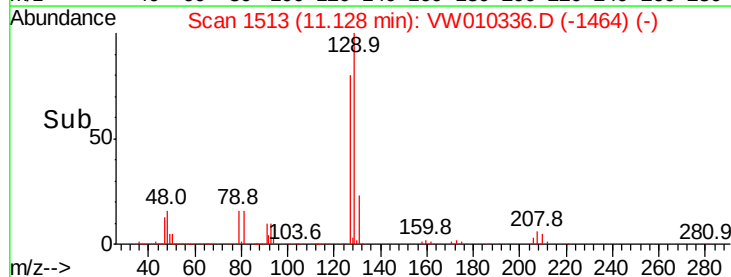
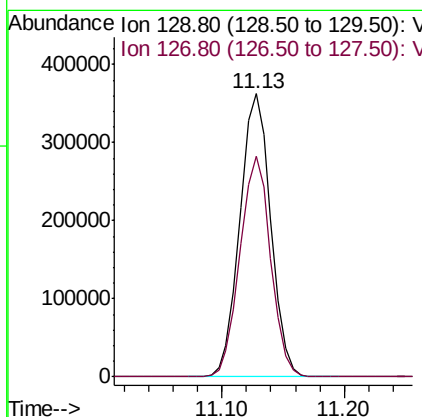
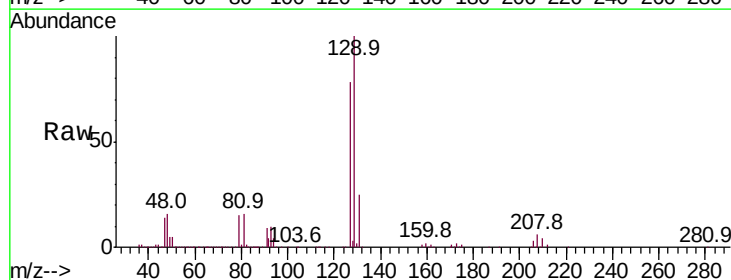
Manual Integrations
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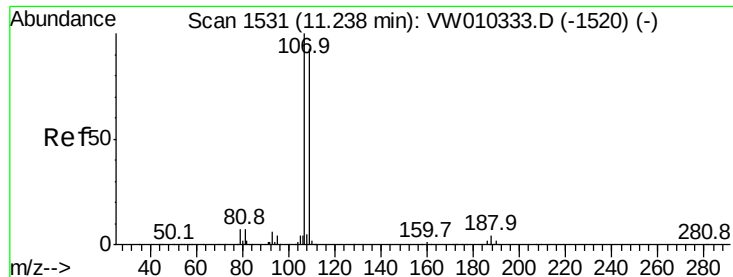
MMDadoda
5/10/2019 10:07:34 AM



#60
Dibromochloromethane
Concen: 52.669 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion:129 Resp: 634664
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.092 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 107 Resp: 559994

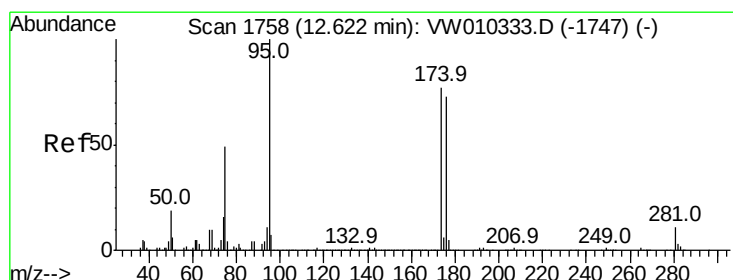
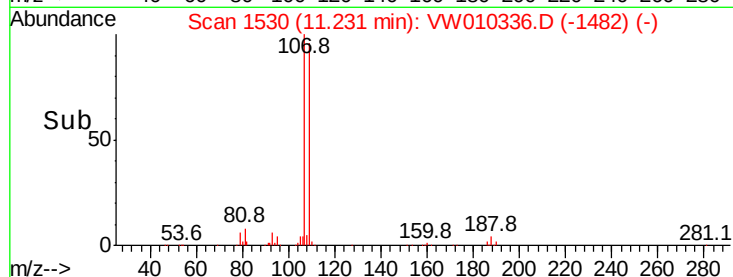
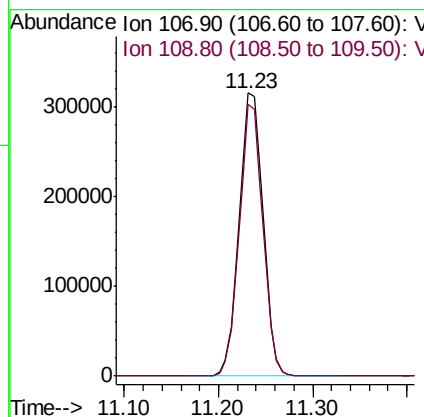
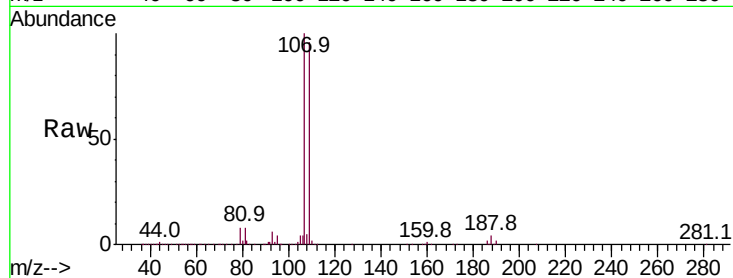
Ion Ratio Lower Upper

107 100

109 94.2 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 52.021 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

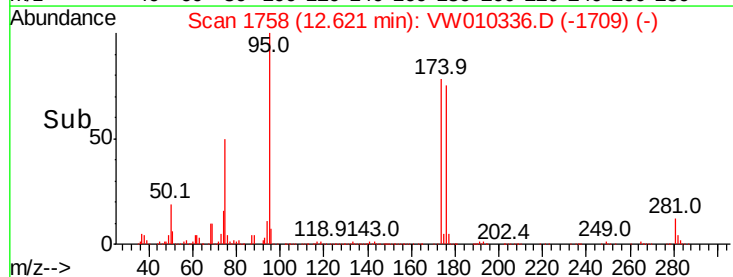
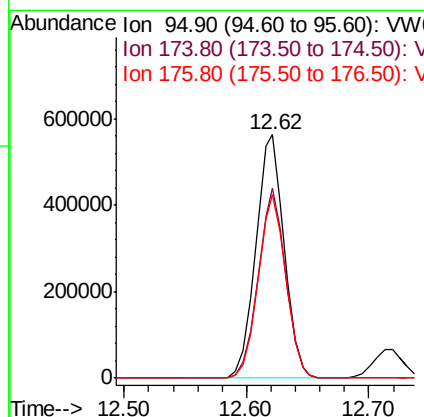
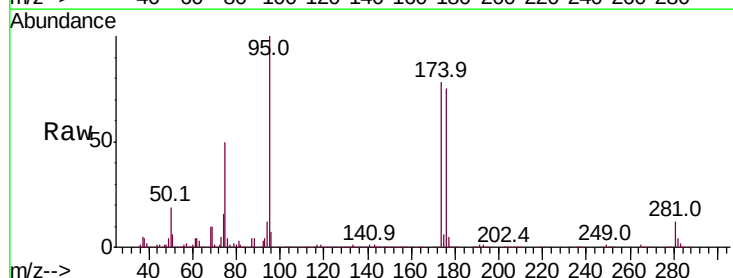
Tgt Ion: 95 Resp: 902222

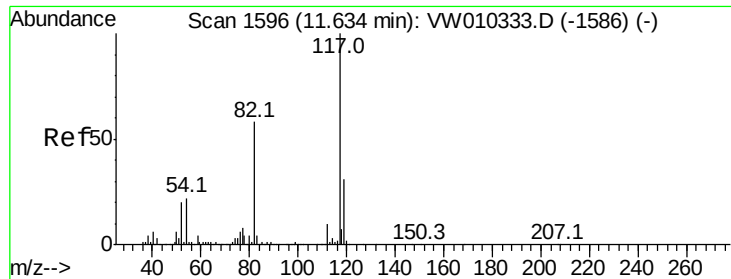
Ion Ratio Lower Upper

95 100

174 75.9 0.0 151.4

176 73.8 0.0 146.2





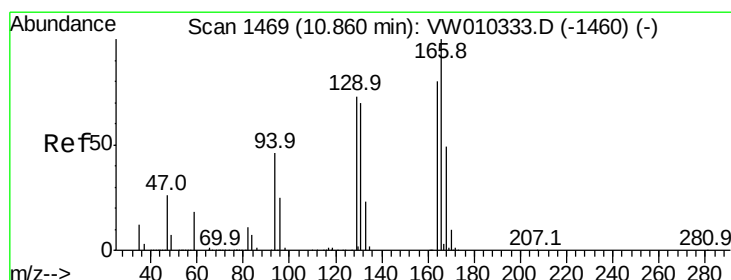
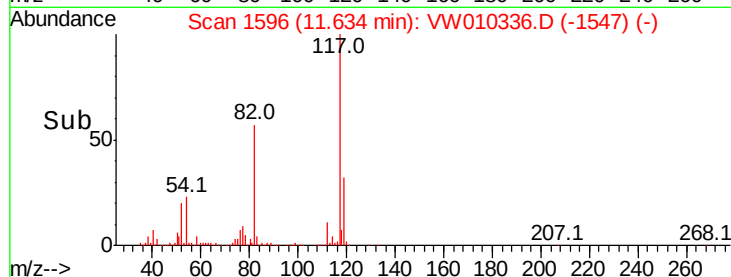
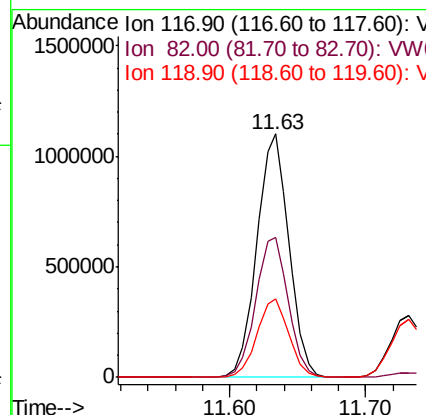
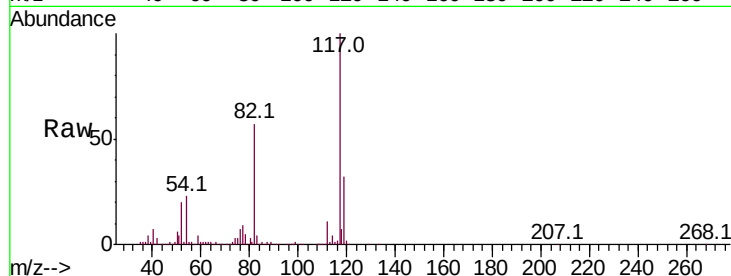
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.2	67.8
119	32.2	25.4	38.2

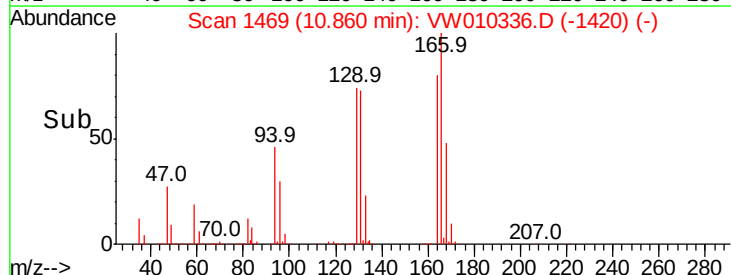
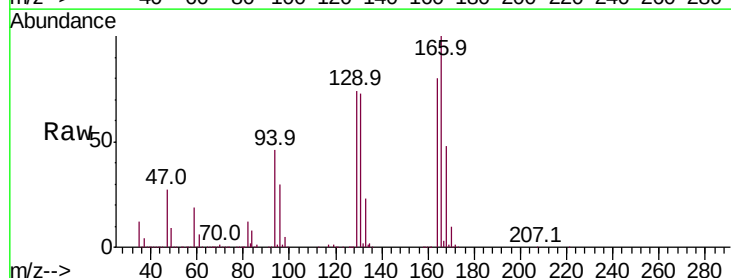
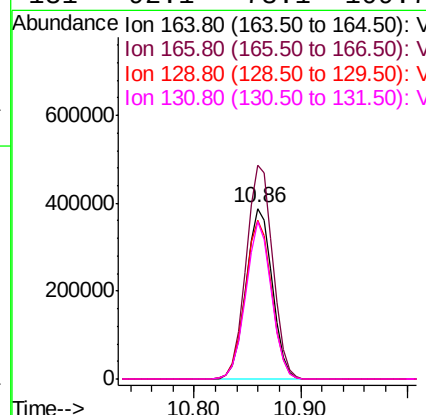
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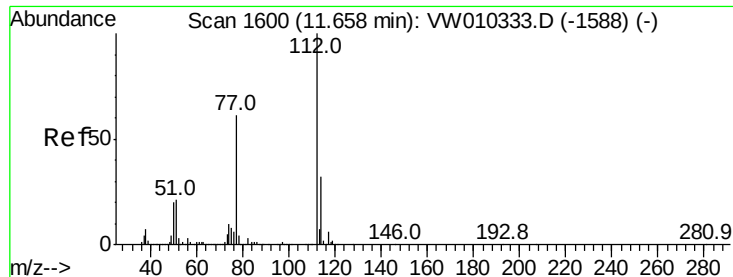
MMDadoda
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#64
Tetrachloroethene
Concen: 52.750 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.2	151.8
129	93.1	77.8	116.6
131	92.1	73.1	109.7





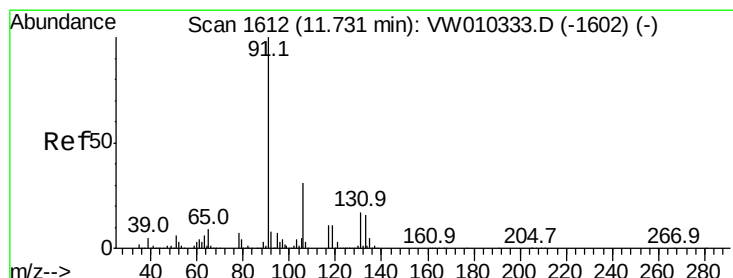
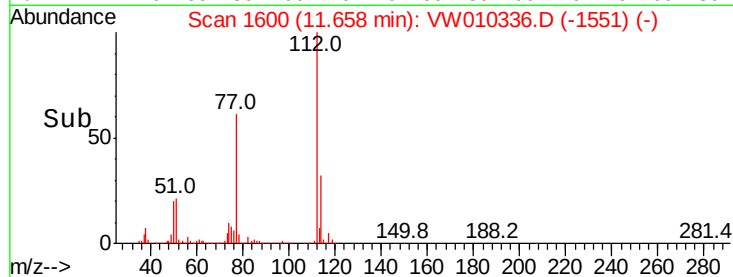
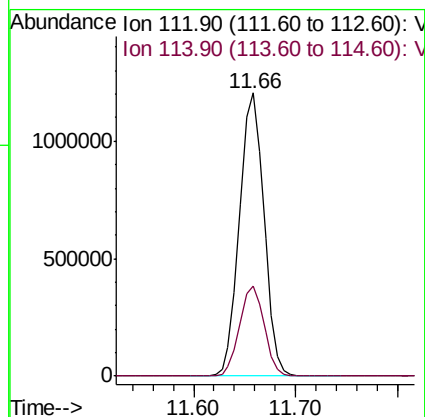
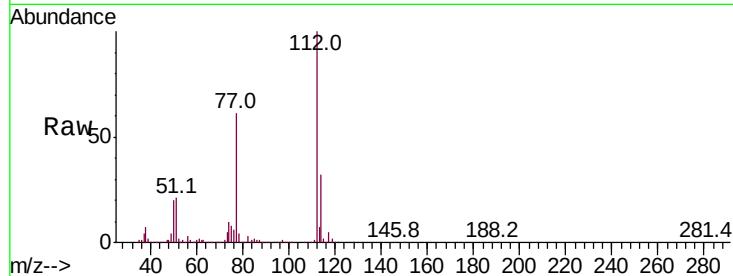
#65
Chlorobenzene
Concen: 53.189 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampled :
ICVW050919

Tot Ion:112 Resp: 2000651
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7

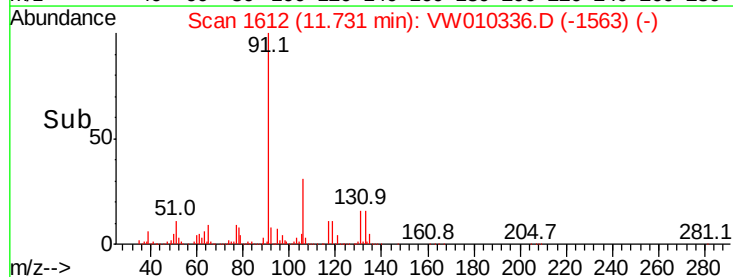
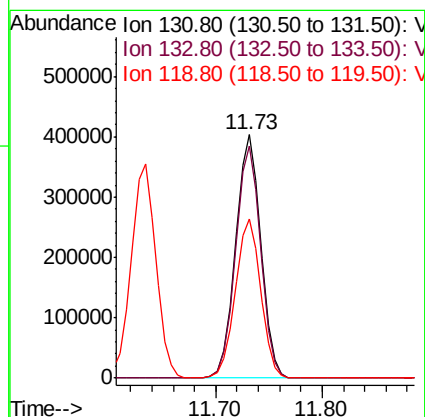
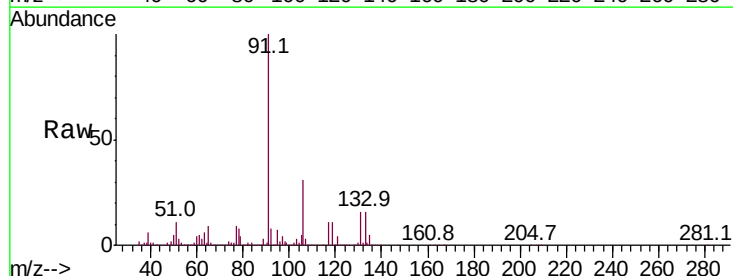
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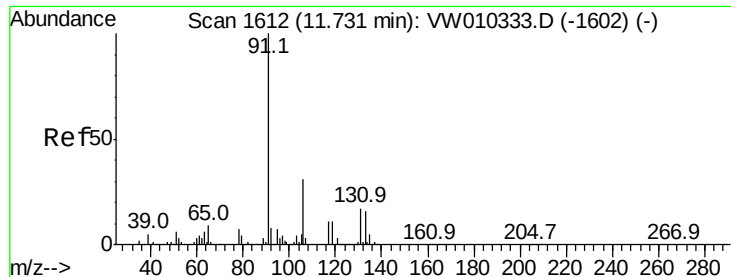
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.706 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion:131 Resp: 670055
Ion Ratio Lower Upper
131 100
133 95.1 46.5 139.5
119 65.7 31.9 95.5





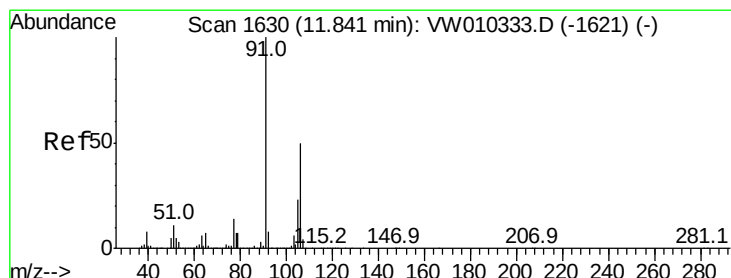
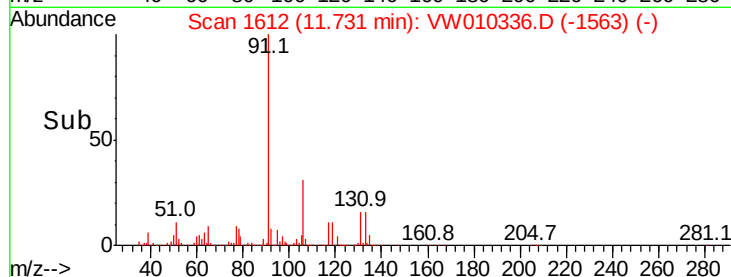
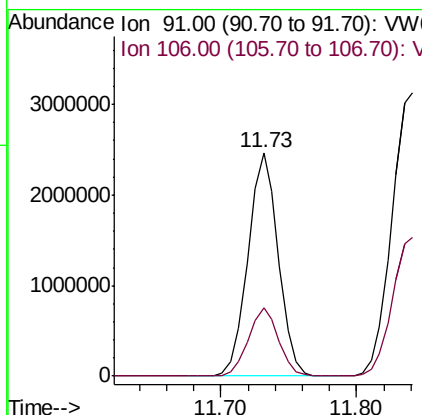
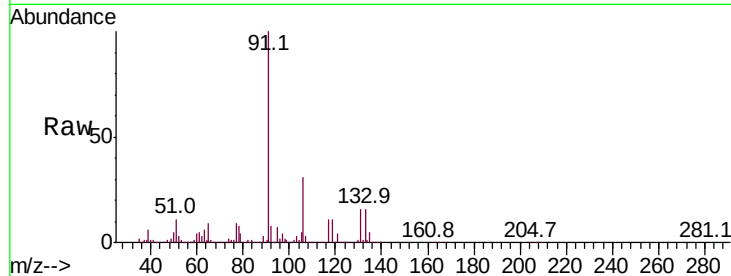
#67
Ethyl Benzene
Concen: 55.411 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion: 91 Resp: 3834187
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8

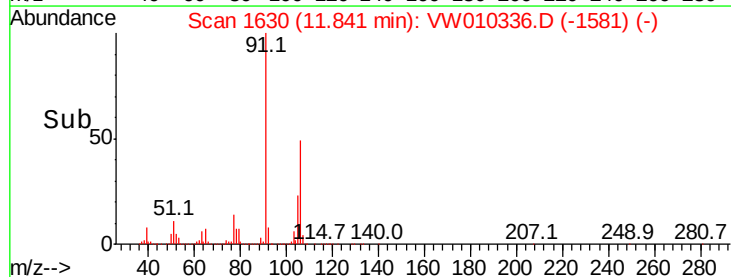
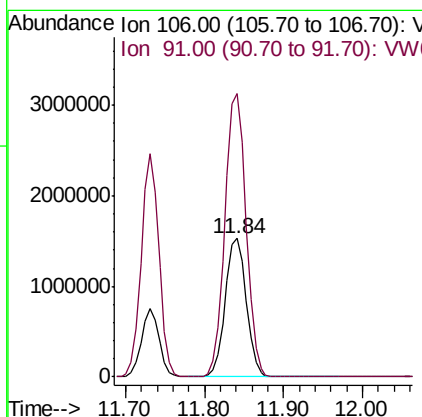
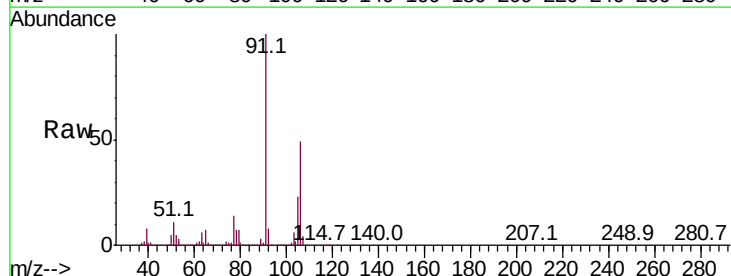
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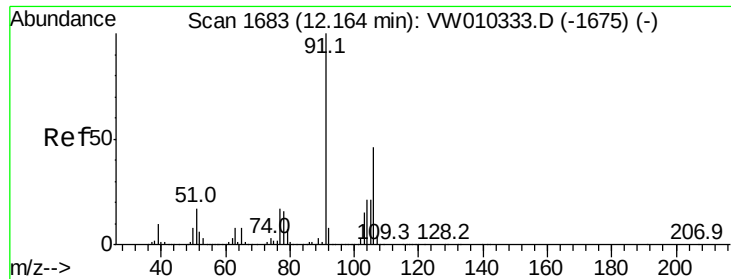
MMDadoda
5/10/2019 10:07:34 AM



#68
m/p-Xylenes
Concen: 110.436 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion:106 Resp: 2839214
Ion Ratio Lower Upper
106 100
91 205.7 165.0 247.6





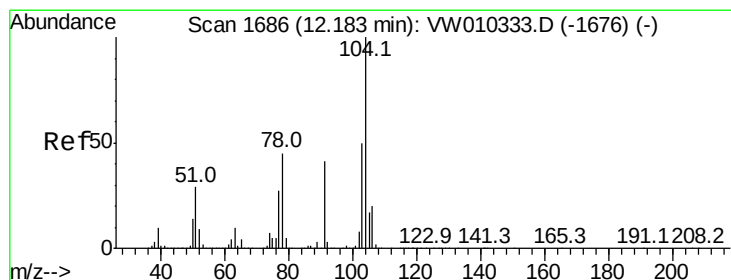
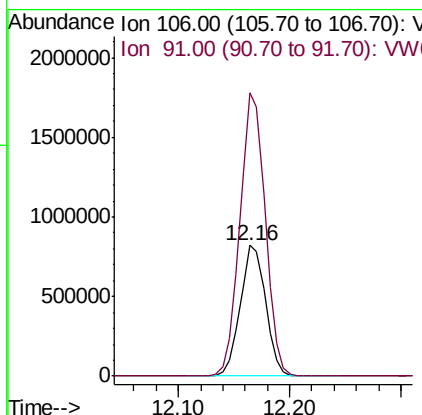
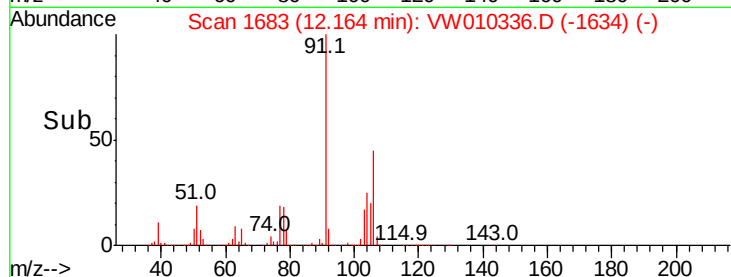
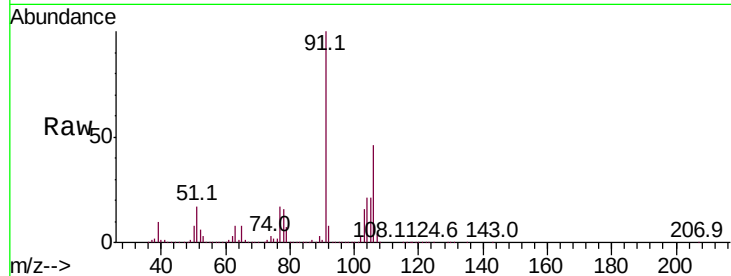
#69
o-Xylene
Concen: 55.624 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion:106 Resp: 1293616
Ion Ratio Lower Upper
106 100
91 217.2 110.5 331.4

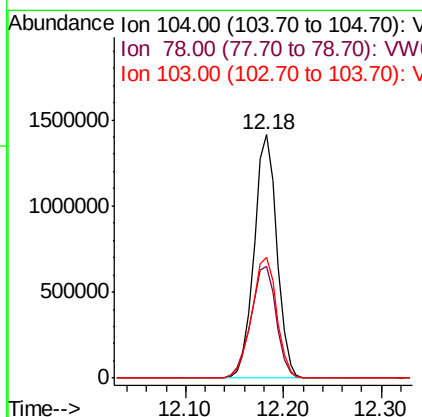
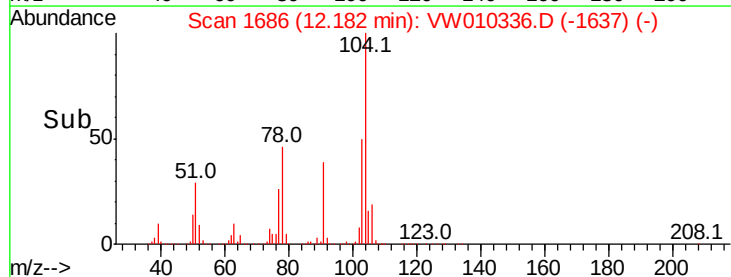
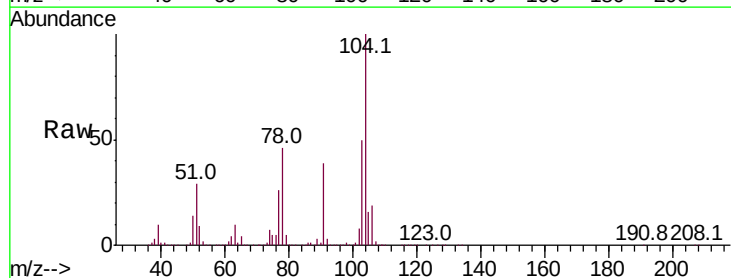
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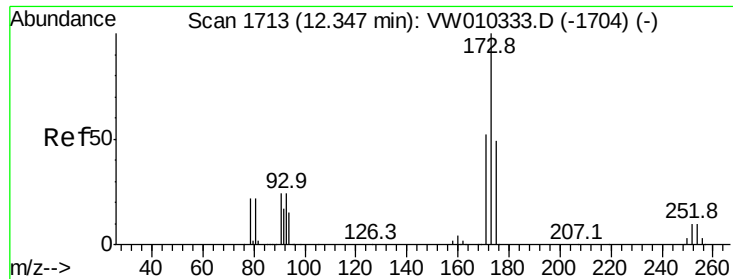
MMDadoda
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#70
Styrene
Concen: 56.231 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion:104 Resp: 2278635
Ion Ratio Lower Upper
104 100
78 51.0 42.5 63.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 53.431 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion:173 Resp: 388299

Ion Ratio Lower Upper

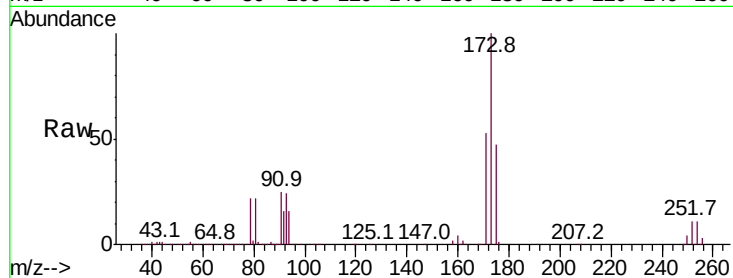
173 100

175 47.9 23.8 71.4

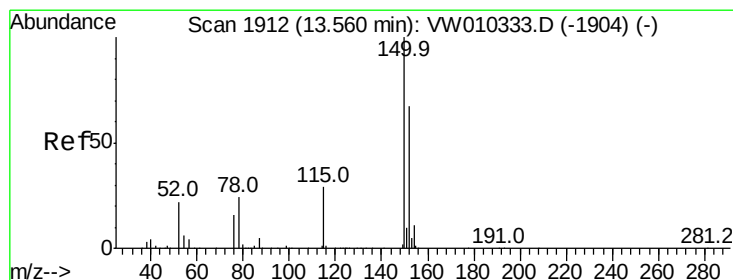
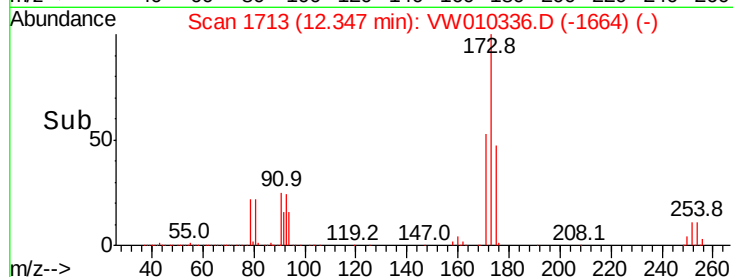
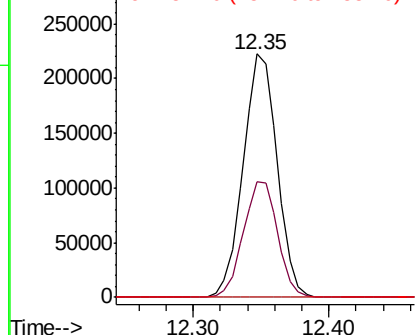
254 0.2 0.1 0.1#

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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: VW010336.D

Acq: 09 May 2019 14:26

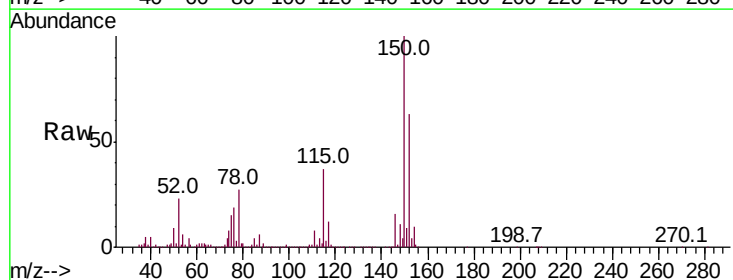
Tgt Ion:152 Resp: 889257

Ion Ratio Lower Upper

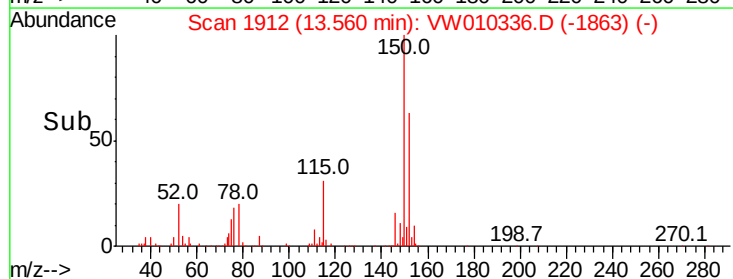
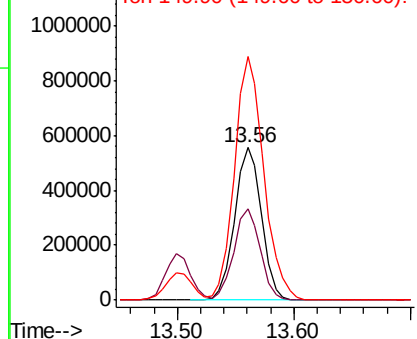
152 100

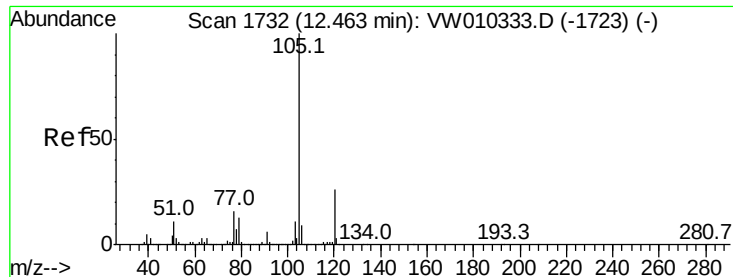
115 58.8 30.4 91.2

150 174.5 0.0 347.0



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: 56.869 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion:105 Resp: 3686143

Ion Ratio Lower Upper

105 100

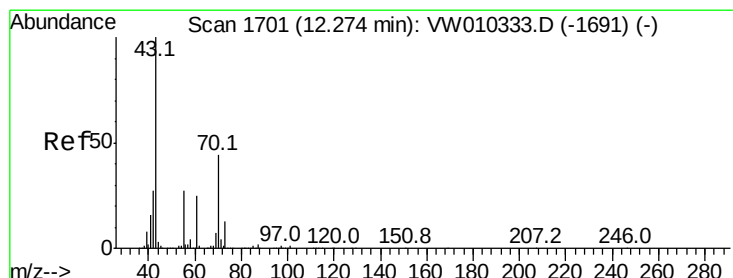
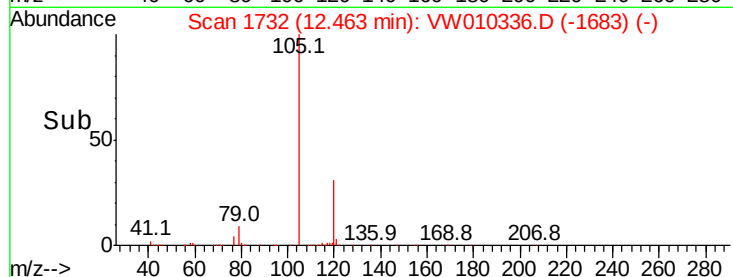
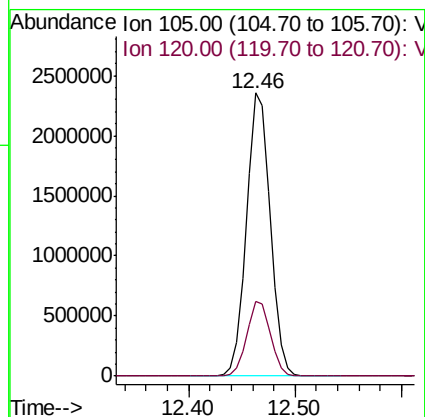
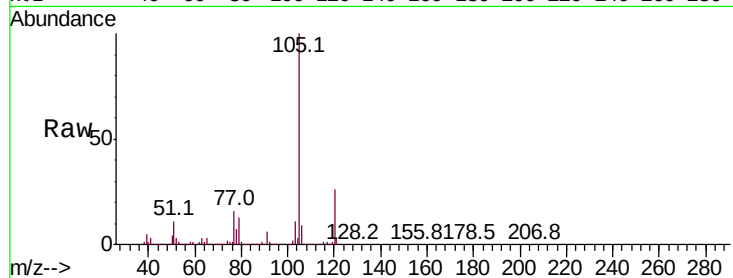
120 26.3 13.1 39.1

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#74

N-ethyl acetate

Concen: 56.449 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion: 43 Resp: 945280

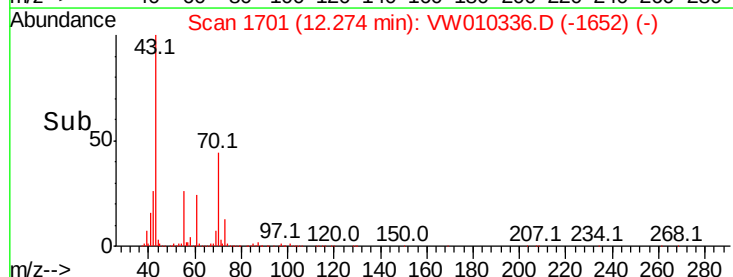
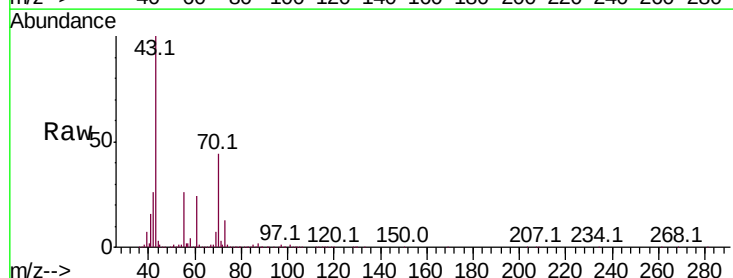
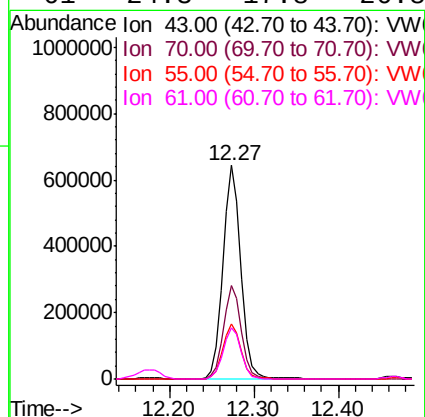
Ion Ratio Lower Upper

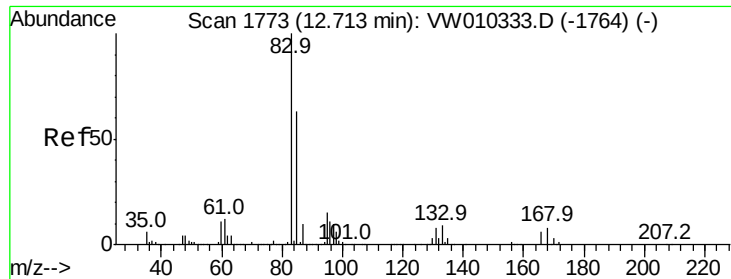
43 100

70 43.8 31.3 46.9

55 26.4 20.0 30.0

61 24.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.284 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

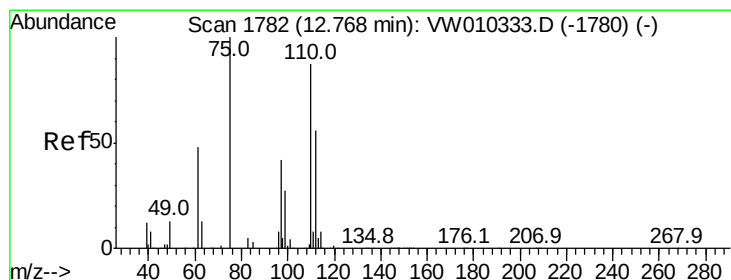
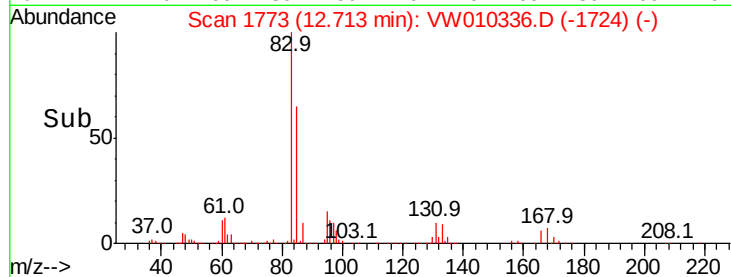
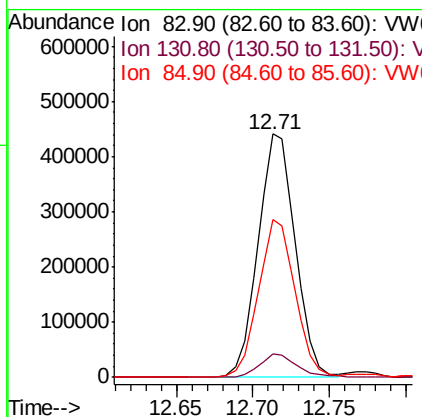
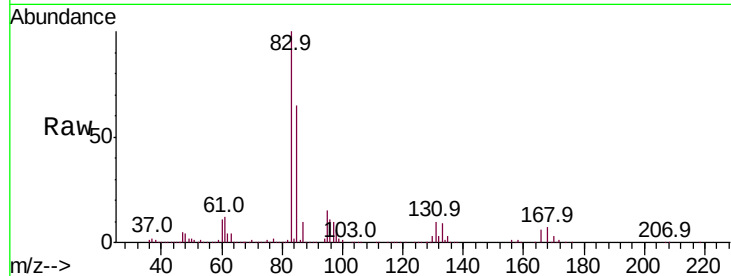
ClientSampleId :

ICVW050919

Tot Ion:	83	Resp:	746702
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	15.8
85	63.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 52.272 ug/l m

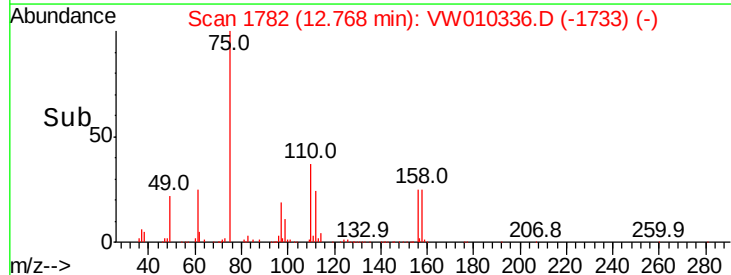
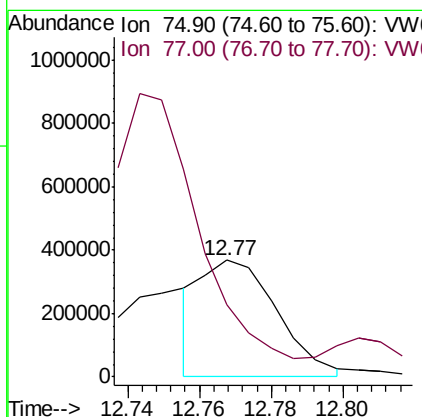
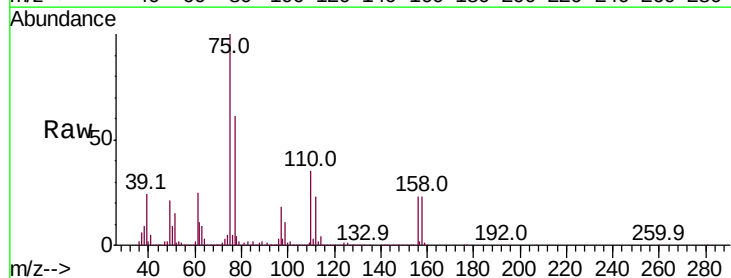
RT: 12.77 min Scan# 1782

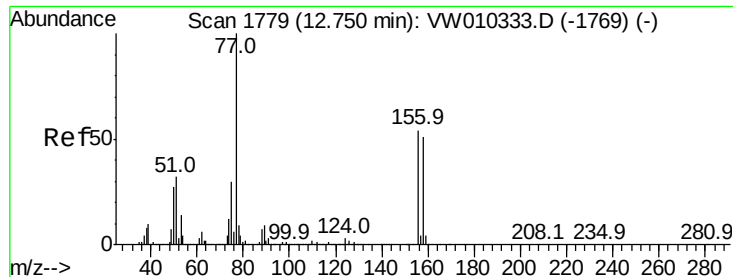
Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion:	75	Resp:	541959
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.003 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

ICVW050919

Tot Ion:156 Resp: 790362

Ion Ratio Lower Upper

156 100

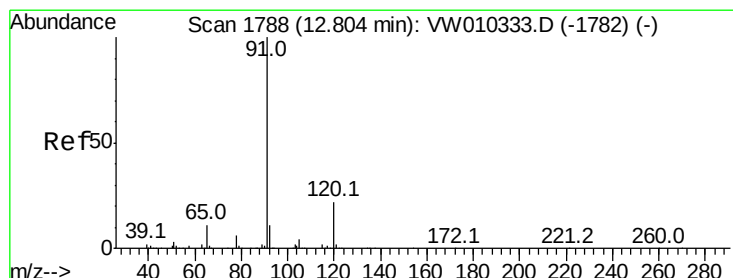
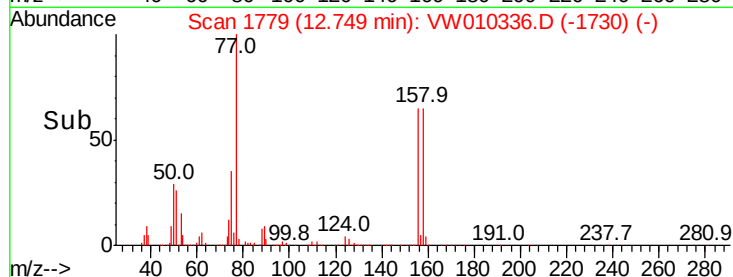
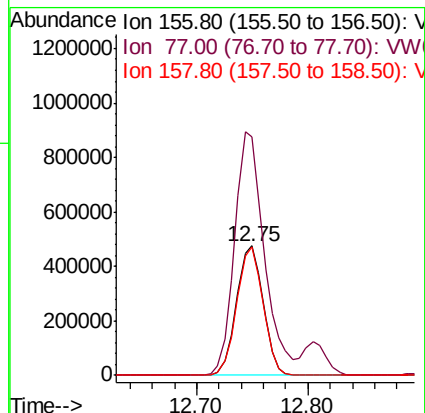
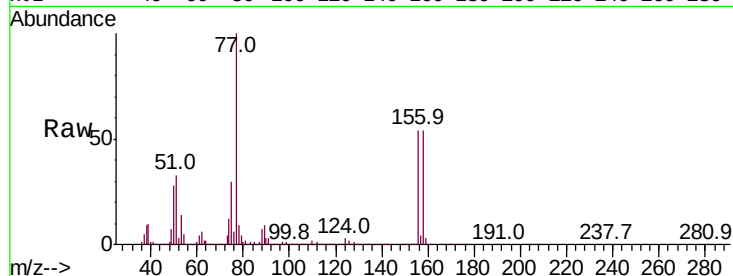
77 209.0 102.5 307.4

158 97.1 48.8 146.4

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#78

n-propylbenzene

Concen: 56.840 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010336.D

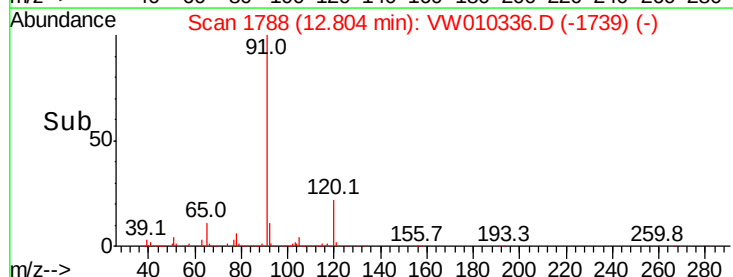
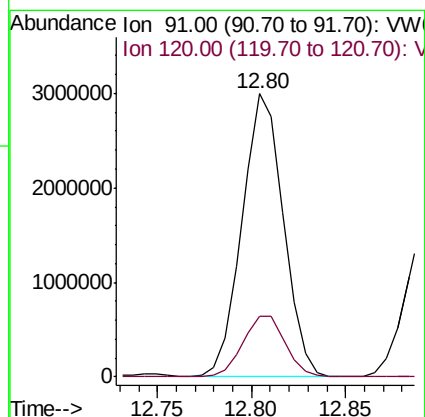
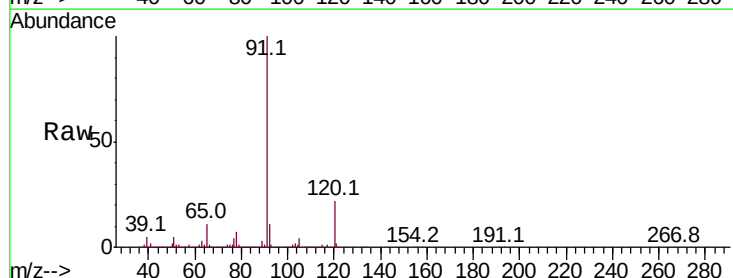
Acq: 09 May 2019 14:26

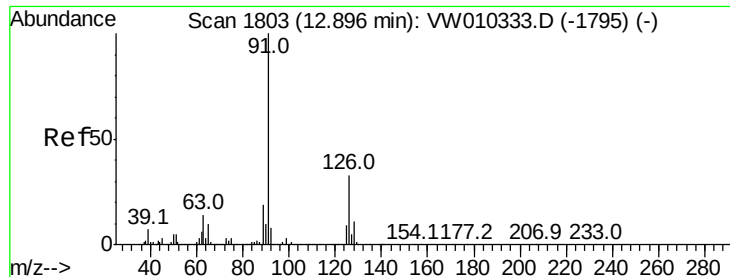
Tgt Ion: 91 Resp: 4550371

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1





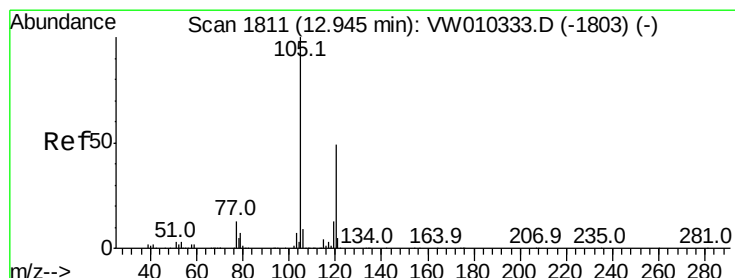
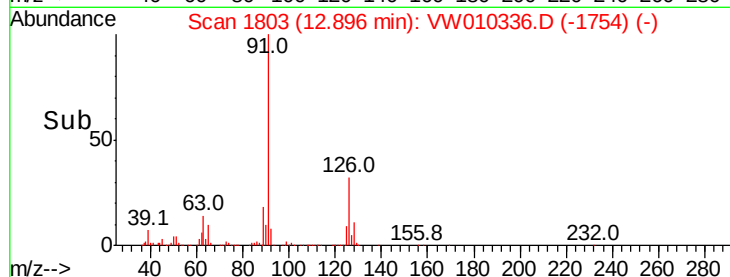
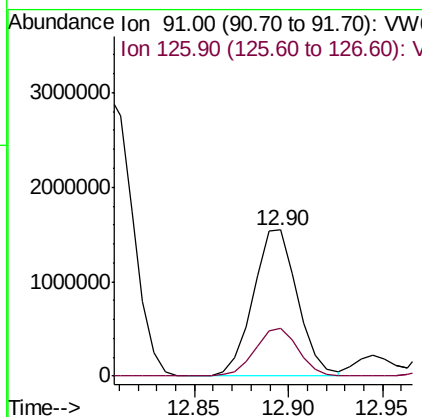
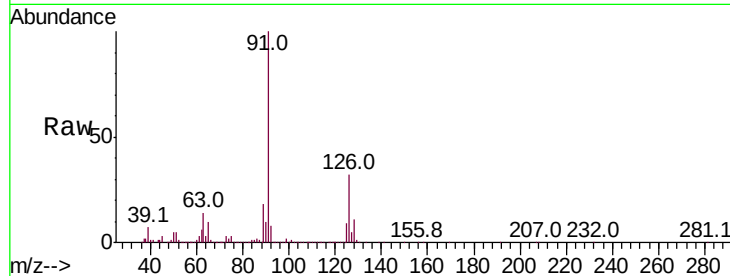
#79
2-Chlorotoluene
Concen: 55.332 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion: 91 Resp: 2522624
Ion Ratio Lower Upper
91 100
126 32.0 16.3 48.8

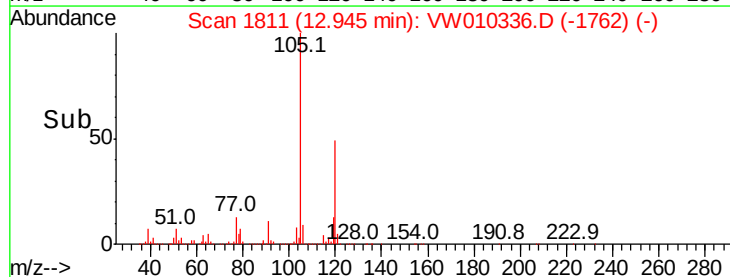
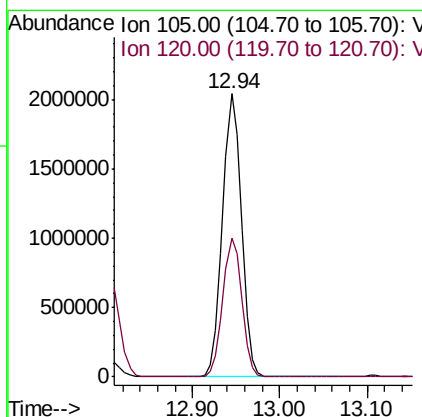
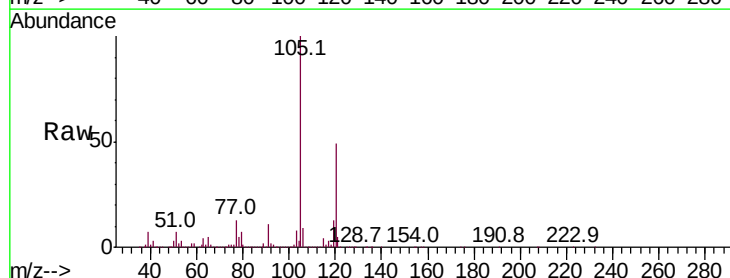
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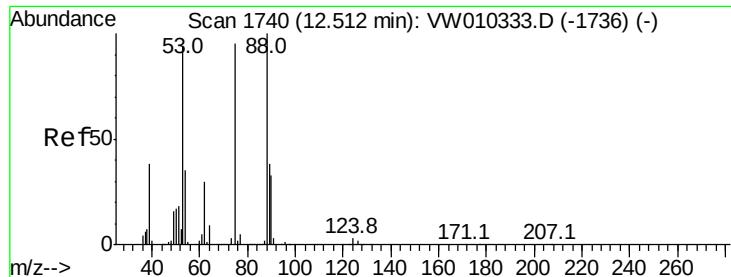
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 56.081 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion:105 Resp: 3064540
Ion Ratio Lower Upper
105 100
120 49.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.140 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion: 75 Resp: 257742

Ion Ratio Lower Upper

75 100

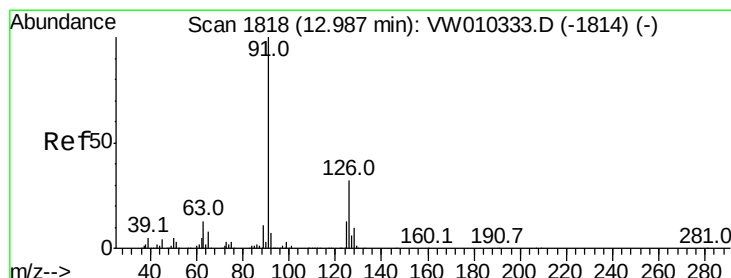
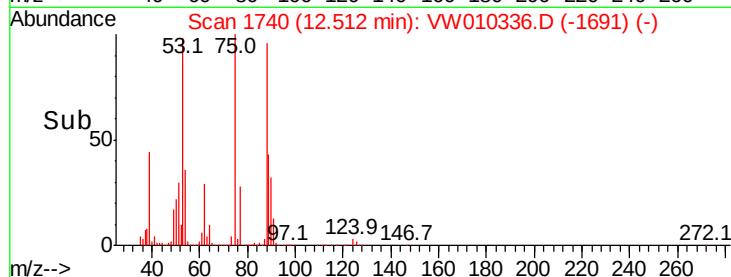
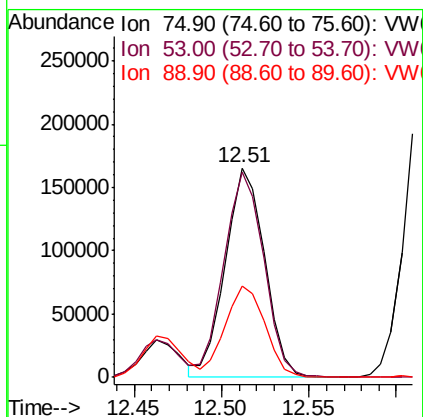
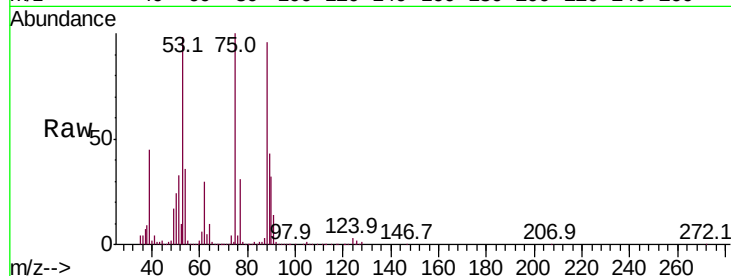
53 99.8 89.8 134.8

89 44.3 36.6 54.8

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#82

4-Chlorotoluene

Concen: 54.630 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW010336.D

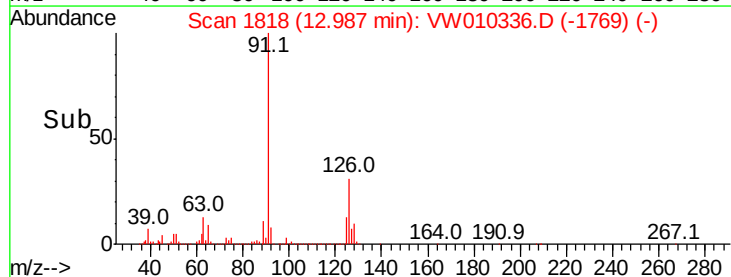
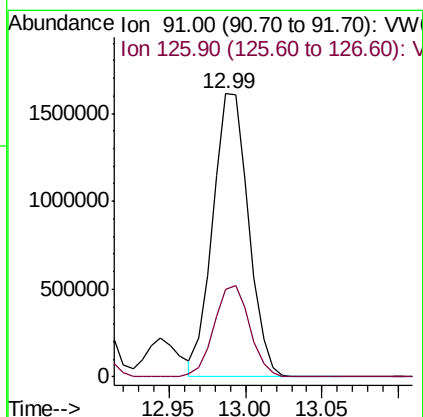
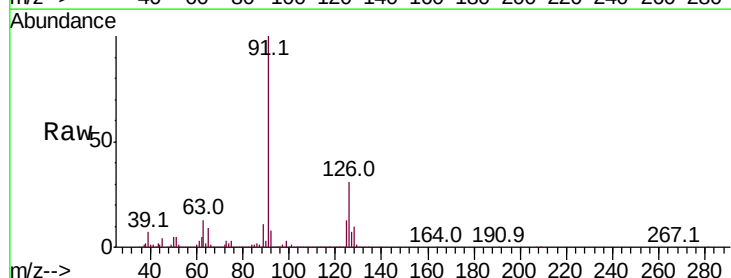
Acq: 09 May 2019 14:26

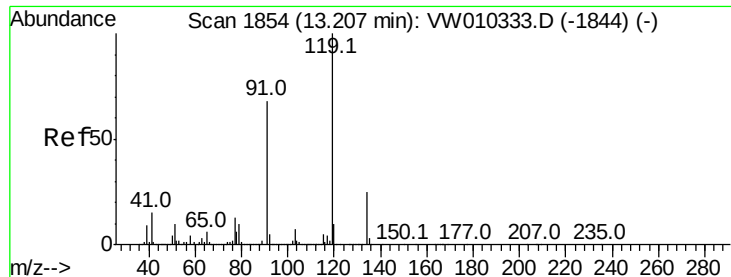
Tgt Ion: 91 Resp: 2609544

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.1





#83

tert-Butylbenzene

Concen: 56.288 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion:119 Resp: 2565535

Ion Ratio Lower Upper

119 100

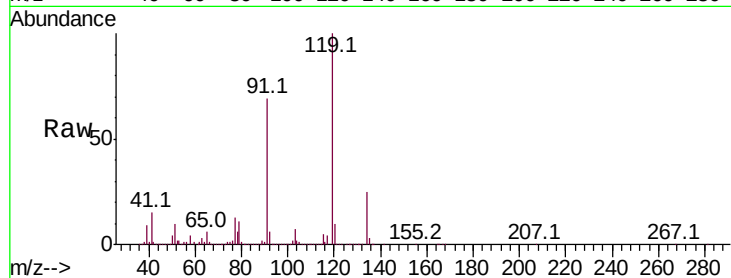
91 68.3 34.8 104.4

134 27.0 13.7 41.1

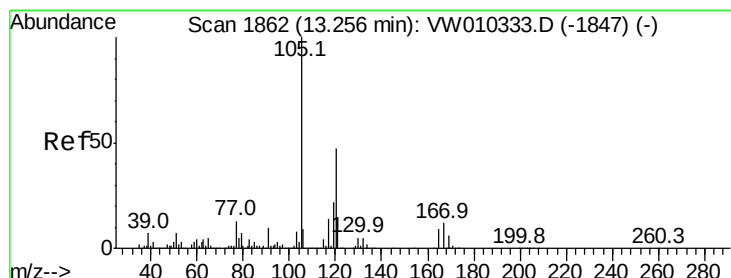
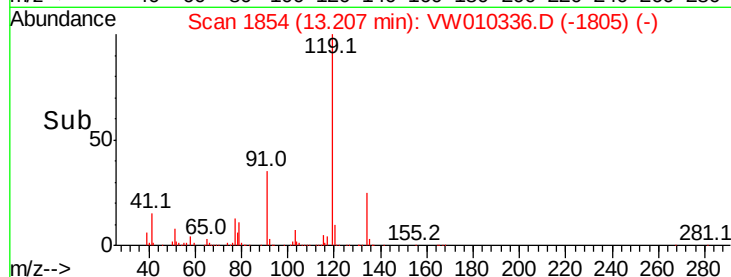
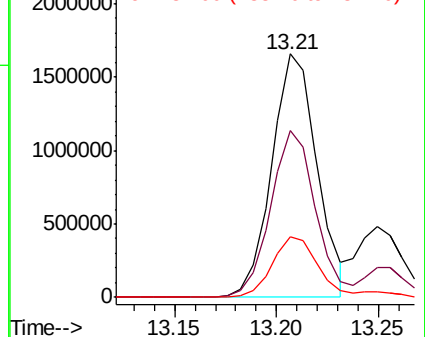
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.436 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010336.D

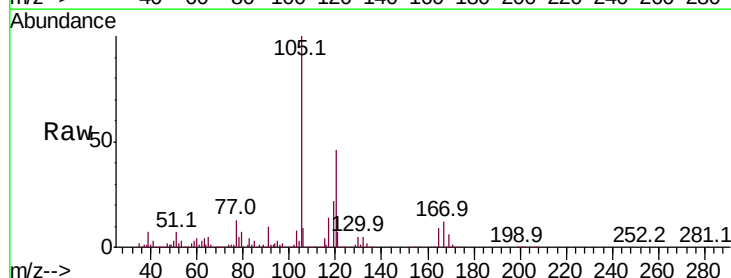
Acq: 09 May 2019 14:26

Tgt Ion:105 Resp: 3064549

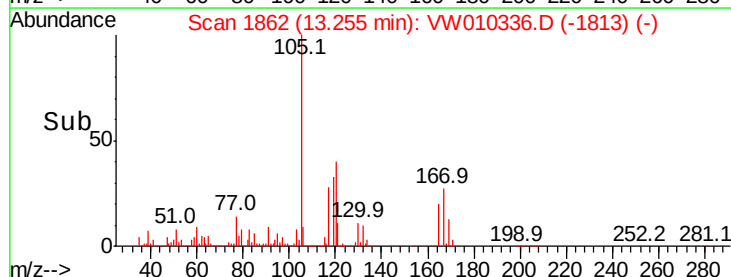
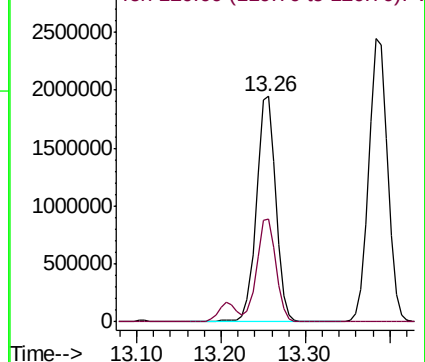
Ion Ratio Lower Upper

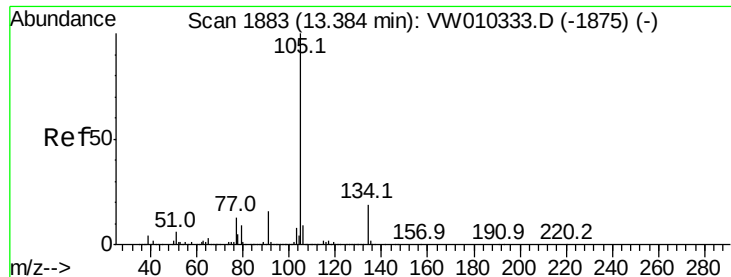
105 100

120 45.2 22.6 67.7



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





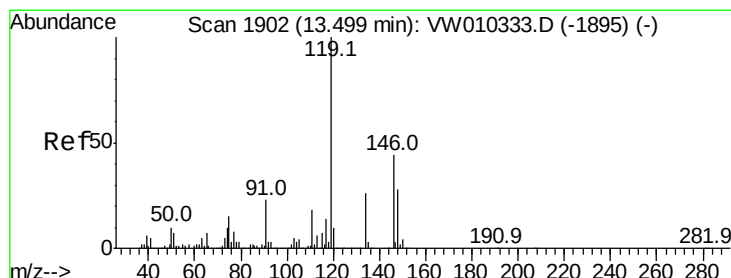
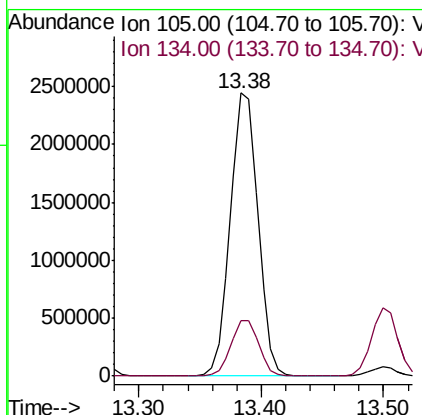
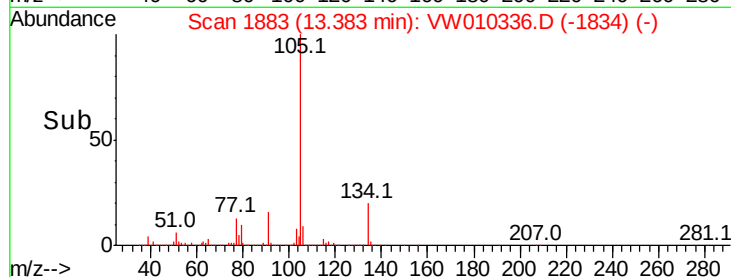
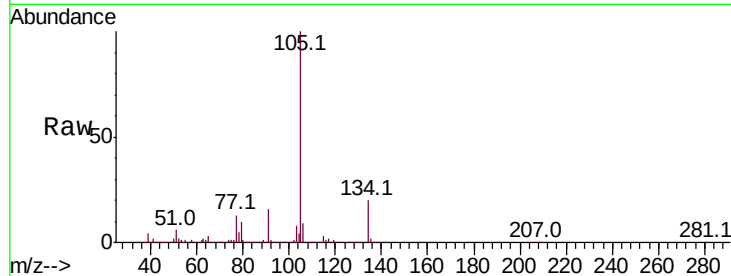
#85
 sec-Butylbenzene
 Concen: 56.563 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion:105 Resp: 3805828
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5

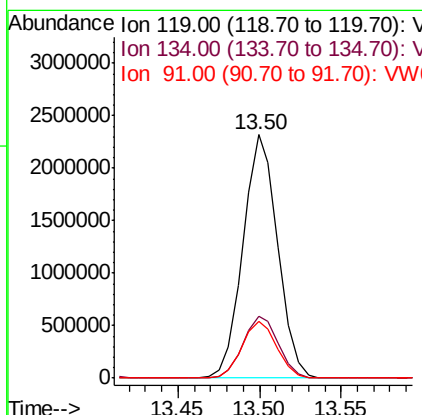
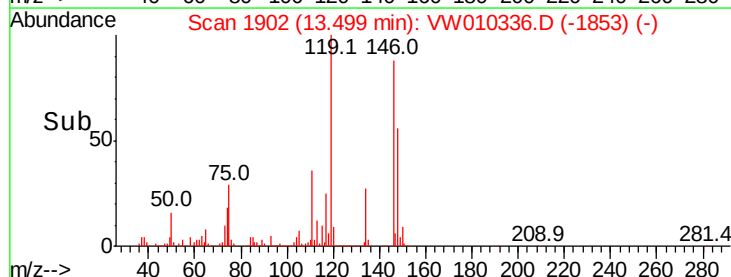
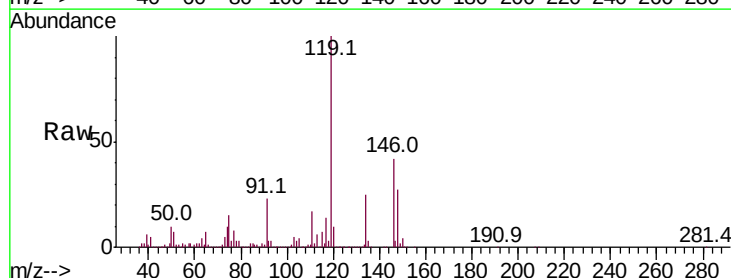
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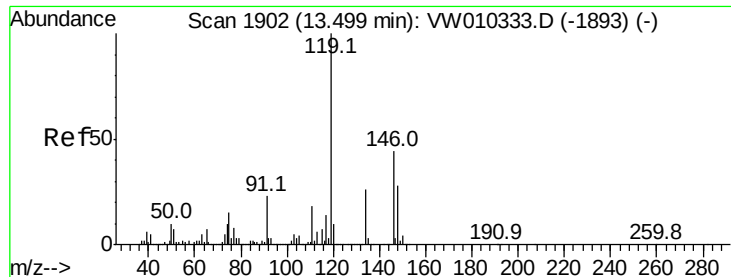
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#86
 p-Isopropyltoluene
 Concen: 57.306 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion:119 Resp: 3423479
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 53.559 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010336.D

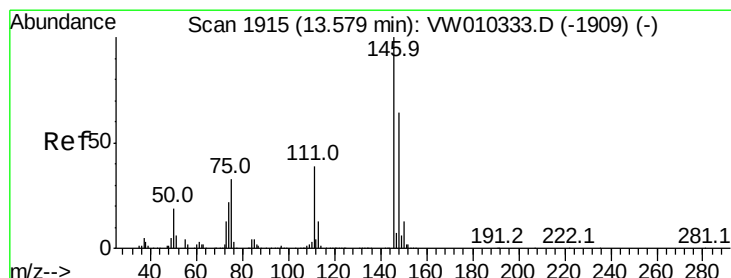
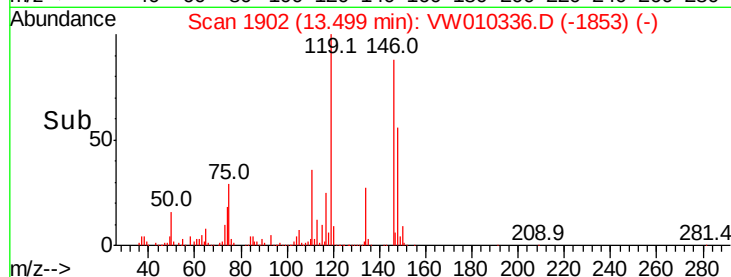
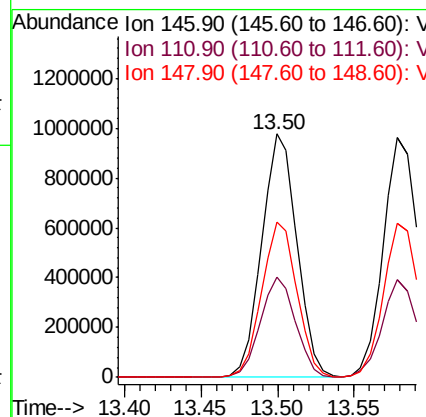
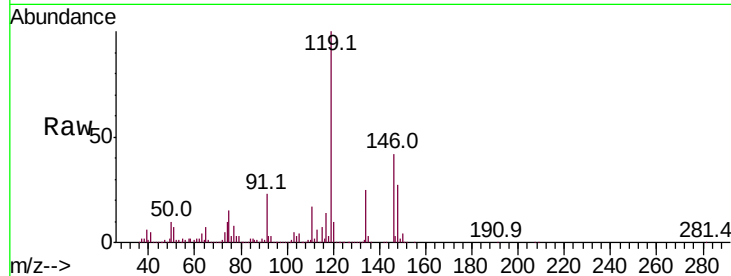
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	63.8	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 52.675 ug/l

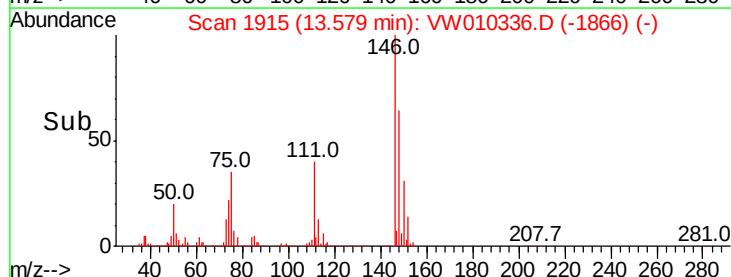
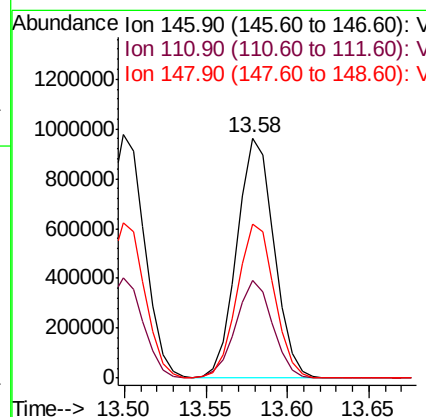
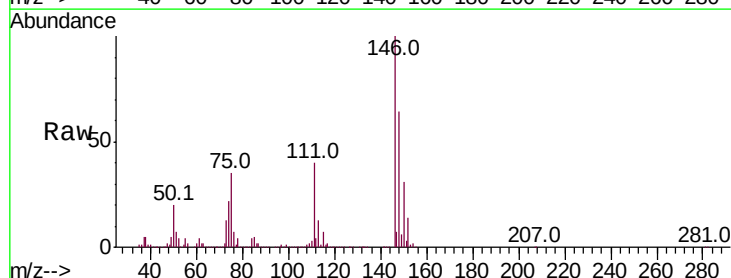
RT: 13.58 min Scan# 1915

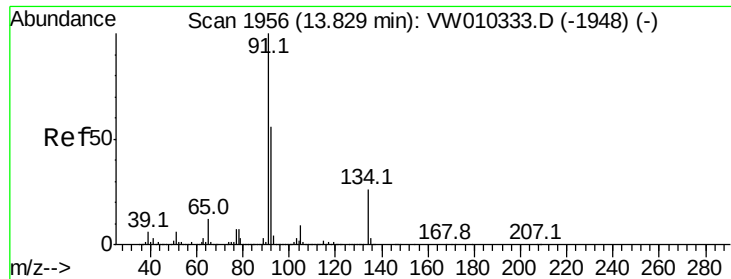
Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.3	31.8	95.3





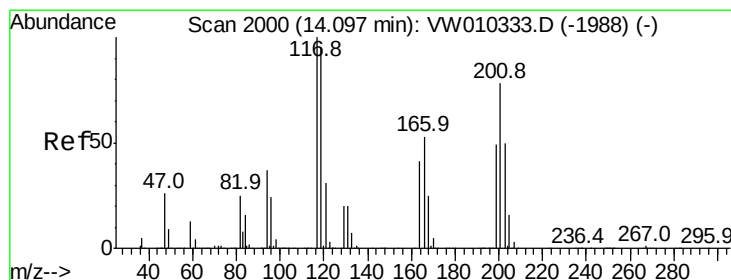
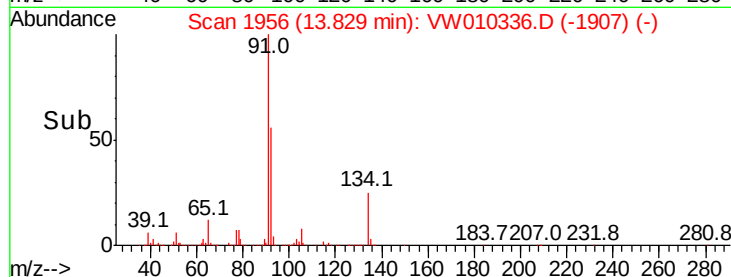
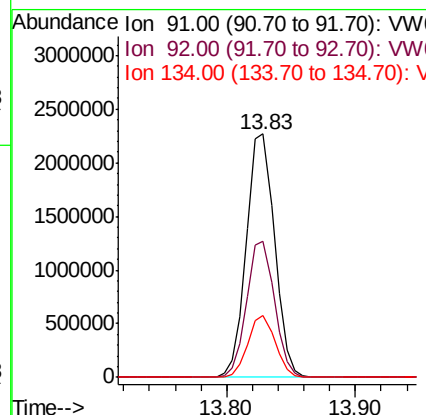
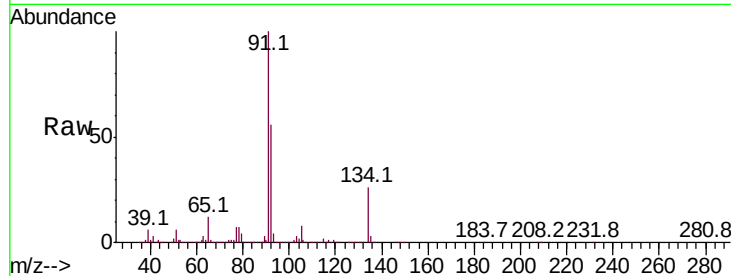
#89
n-Butylbenzene
Concen: 57.235 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
ICVW050919

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.5	79.4
134	24.7	12.4	37.0

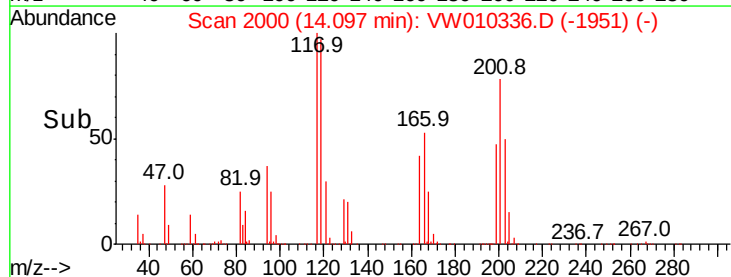
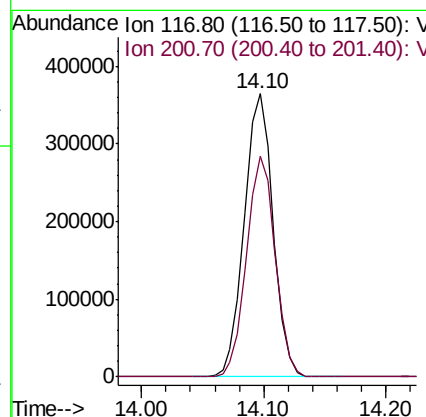
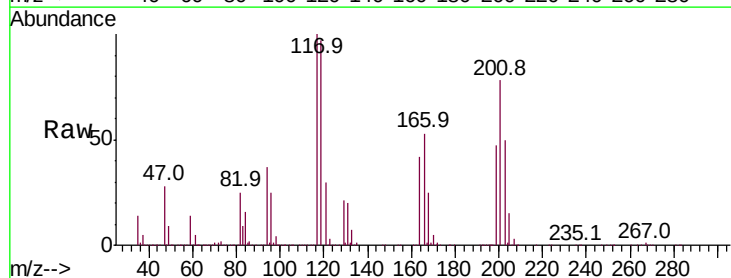
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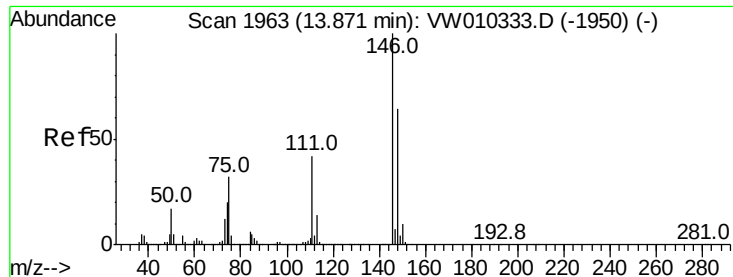
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#90
Hexachloroethane
Concen: 53.441 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010336.D
Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	36.1	108.3





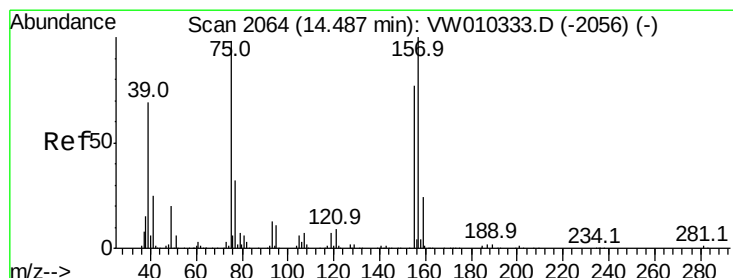
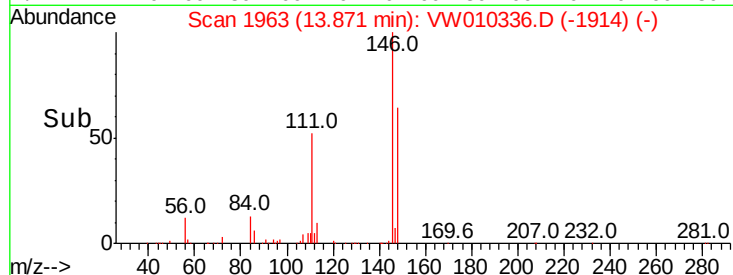
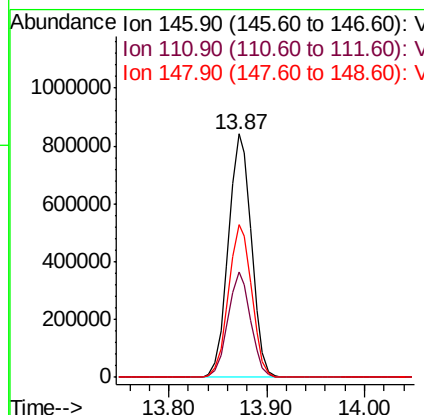
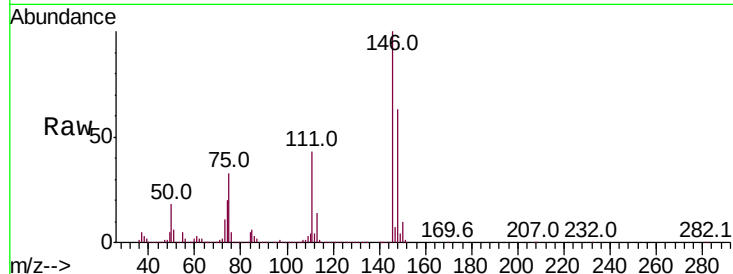
#91
 1,2-Dichlorobenzene
 Concen: 53.007 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	63.3	31.9	95.7

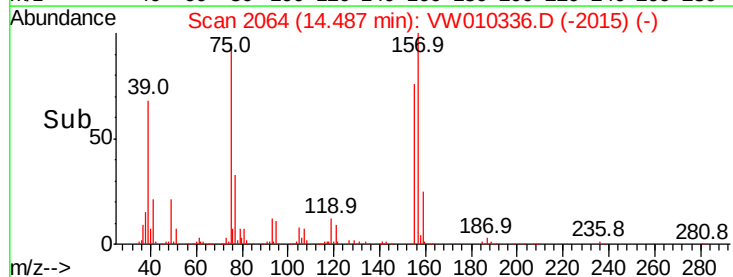
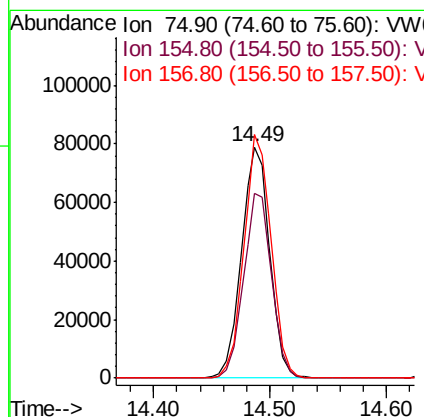
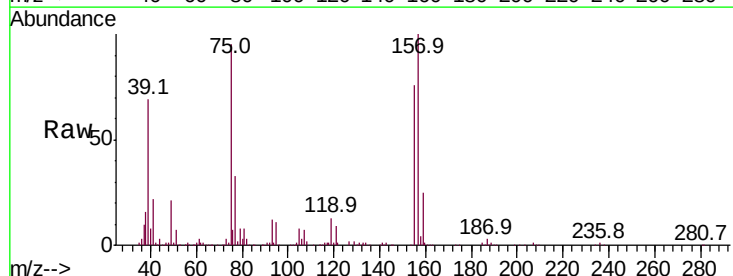
Manual Integrations
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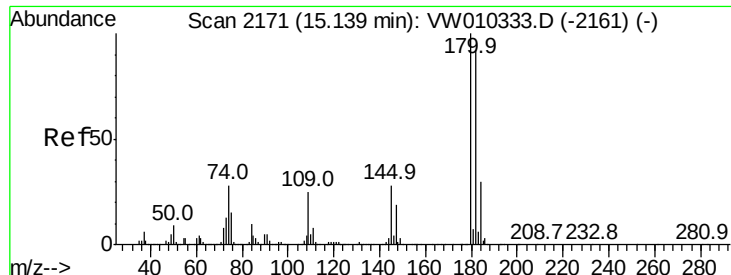
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.607 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.1	111.5
157	101.9	47.3	141.9





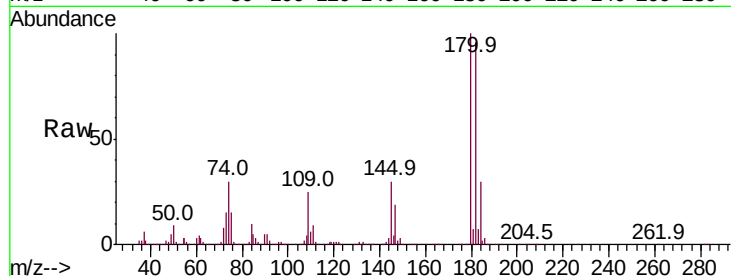
#93
 1,2,4-Trichlorobenzene
 Concen: 54.852 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

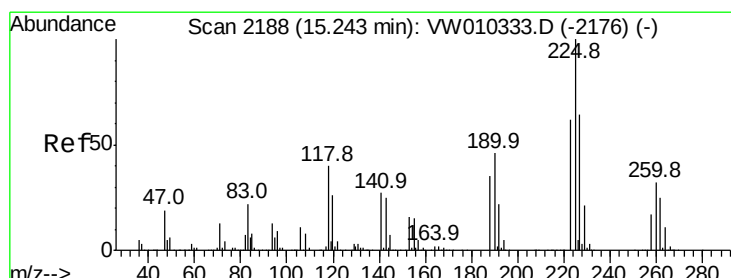
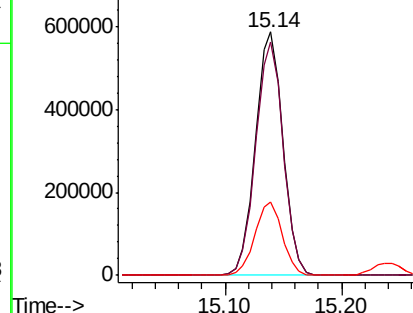
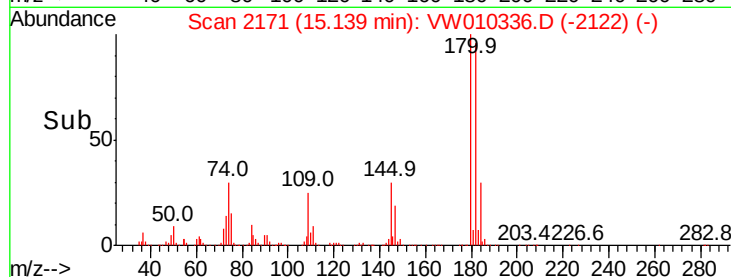
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.1	141.4	
145	30.2	15.2	45.6	

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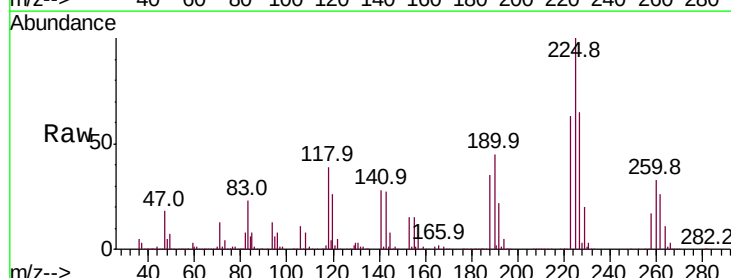


Abundance Ion 179.80 (179.50 to 180.50): V
 800000
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

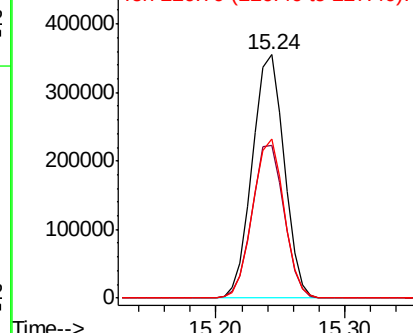
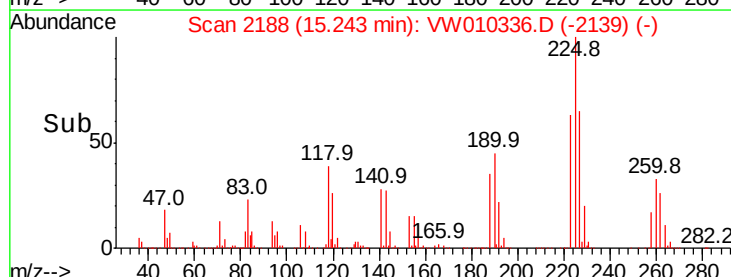


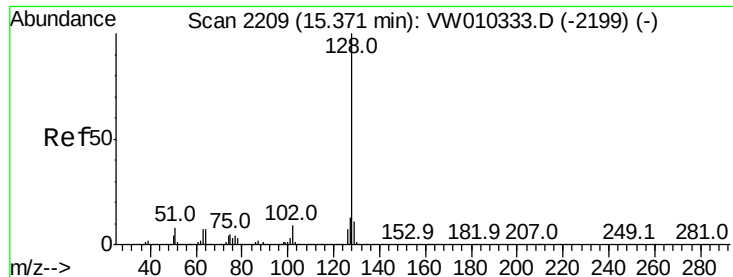
#94
 Hexachlorobutadiene
 Concen: 53.533 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010336.D
 Acq: 09 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.9	95.5	
227	64.2	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 400000
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.783 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

ICVW050919

Tot Ion:128 Resp: 2050793

Ion Ratio Lower Upper

128 100

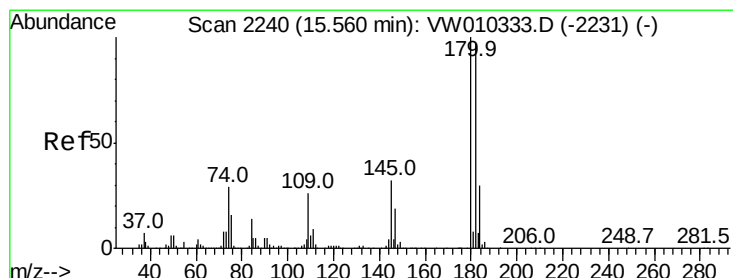
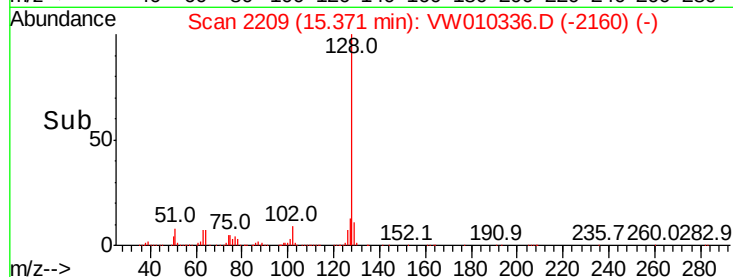
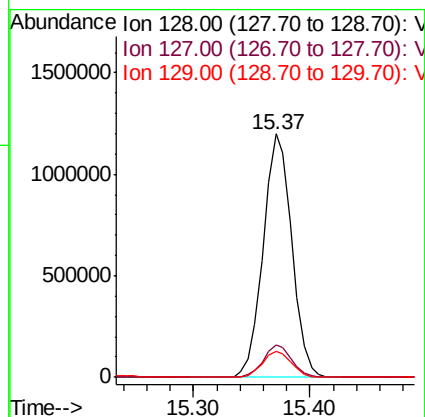
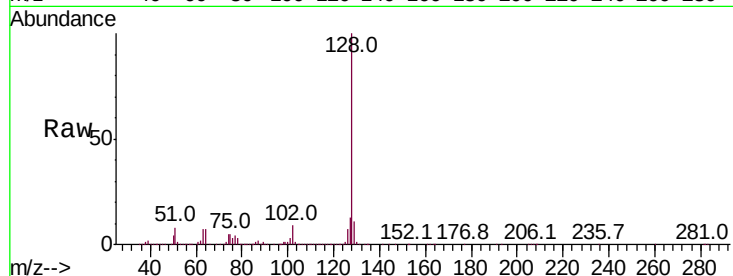
127 13.1 10.6 15.8

129 11.0 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

5/10/2019 10:07:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.210 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010336.D

Acq: 09 May 2019 14:26

Tgt Ion:180 Resp: 864676

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 31.7 16.4 49.2

