

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010330.D
 Acq On : 09 May 2019 11:09
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:13 AM

Quant Time: May 09 13:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1238736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1970234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1743628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	861898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65037	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
35) Dibromofluoromethane	7.88	113	56819	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
50) Toluene-d8	10.32	98	221000	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
62) 4-Bromofluorobenzene	12.62	95	84071	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72309	7.656	ug/l	94
3) Chloromethane	2.21	50	75185	7.960	ug/l	99
4) Vinyl Chloride	2.37	62	90682	8.259	ug/l	97
5) Bromomethane	2.78	94	54483	7.384	ug/l	98
6) Chloroethane	2.92	64	48522	6.764	ug/l	99
7) Trichlorofluoromethane	3.25	101	39683	5.228	ug/l	100
8) Diethyl Ether	3.67	74	37209	5.893	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72791	5.699	ug/l	97
10) Methyl Iodide	4.26	142	99870	5.658	ug/l	94
11) Tert butyl alcohol	5.17	59	22883	26.280	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	72532	5.923	ug/l	98
13) Acrolein	3.89	56	32761	35.763	ug/l	100
14) Allyl chloride	4.66	41	106079	4.872	ug/l	90
15) Acrylonitrile	5.36	53	97812	30.100	ug/l	98
16) Acetone	4.12	43	85881	24.213	ug/l	93
17) Carbon Disulfide	4.37	76	223621	6.657	ug/l	100
18) Methyl Acetate	4.67	43	44176	5.382	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	76069	4.782	ug/l	96
20) Methylene Chloride	4.91	84	90738	5.561	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	76664	5.781	ug/l	98
22) Diisopropyl ether	6.31	45	182743	4.138	ug/l	96
23) Vinyl Acetate	6.25	43	597666	21.498	ug/l	97
24) 1,1-Dichloroethane	6.21	63	138260	5.237	ug/l	98
25) 2-Butanone	7.17	43	118548	25.444	ug/l	95
26) 2,2-Dichloropropane	7.16	77	70840	4.850	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	75445	5.173	ug/l	95
28) Bromochloromethane	7.51	49	41472	3.844	ug/l	100
29) Tetrahydrofuran	7.53	42	77932	26.398	ug/l	99
30) Chloroform	7.67	83	128532	4.859	ug/l	97
31) Cyclohexane	7.95	56	155857	6.304	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	103061	4.963	ug/l	99
36) 1,1-Dichloropropene	8.07	75	111530	5.542	ug/l	99
37) Ethyl Acetate	7.25	43	53296	5.211	ug/l	98
38) Carbon Tetrachloride	8.07	117	97835	4.981	ug/l	99

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Manual Integrations
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MMDadoda
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Quant Time: May 09 13:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	126929	5.605	ug/l	97
40) Benzene	8.32	78	306985	5.579	ug/l	99
41) Methacrylonitrile	7.49	41	27616	4.738	ug/l	93
42) 1,2-Dichloroethane	8.40	62	87604	4.632	ug/l	95
43) Isopropyl Acetate	8.43	43	85989	4.487	ug/l	95
44) Trichloroethene	9.09	130	77094	5.516	ug/l	94
45) 1,2-Dichloropropane	9.37	63	74767	5.169	ug/l	100
46) Dibromomethane	9.46	93	38788	5.174	ug/l	99
47) Bromodichloromethane	9.65	83	92160	4.762	ug/l	98
48) Methyl methacrylate	9.44	41	39094	4.191	ug/l #	87
49) 1,4-Dioxane	9.45	88	11659	101.781	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	236565	23.569	ug/l	96
52) Toluene	10.38	92	178939	5.220	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82007	4.274	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	101779	4.646	ug/l	88
55) 1,1,2-Trichloroethane	10.79	97	56441	5.394	ug/l	97
56) Ethyl methacrylate	10.65	69	56526	4.345	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	95241	5.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	137544	22.960	ug/l	99
59) 2-Hexanone	10.97	43	159279	22.797	ug/l	98
60) Dibromochloromethane	11.13	129	56000	4.630	ug/l	99
61) 1,2-Dibromoethane	11.24	107	50226	5.046	ug/l	97
64) Tetrachloroethene	10.86	164	63305	5.593	ug/l	99
65) Chlorobenzene	11.66	112	189084	5.298	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62330	4.884	ug/l	99
67) Ethyl Benzene	11.73	91	323726	5.084	ug/l	100
68) m/p-Xylenes	11.84	106	233413	9.807	ug/l	100
69) o-Xylene	12.16	106	101750	4.695	ug/l	100
70) Styrene	12.18	104	172546	4.618	ug/l	98
71) Bromoform	12.35	173	33956	5.032	ug/l #	100
73) Isopropylbenzene	12.46	105	286238	4.772	ug/l	99
74) N-amyl acetate	12.27	43	65286	3.930	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	69672	5.879	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	50270m	5.828	ug/l	
77) Bromobenzene	12.75	156	70143	5.084	ug/l	98
78) n-propylbenzene	12.80	91	366955	4.936	ug/l	99
79) 2-Chlorotoluene	12.90	91	216599	5.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	239991	4.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	19574	5.350	ug/l	94
82) 4-Chlorotoluene	12.99	91	224149	4.981	ug/l	99
83) tert-Butylbenzene	13.21	119	198330	4.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	238020	4.616	ug/l	100
85) sec-Butylbenzene	13.38	105	303965	4.829	ug/l	100
86) p-Isopropyltoluene	13.50	119	262172	4.726	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	144287	5.174	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148268	5.326	ug/l	95
89) n-Butylbenzene	13.83	91	267406	4.865	ug/l	99
90) Hexachloroethane	14.10	117	54272	5.108	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125924	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12248	5.775	ug/l	96

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 13:10:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	77723	4.711	ug/l	97
94) Hexachlorobutadiene	15.24	225	55514	5.542	ug/l	99
95) Naphthalene	15.37	128	140636	4.748	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	70381	4.918	ug/l	96

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

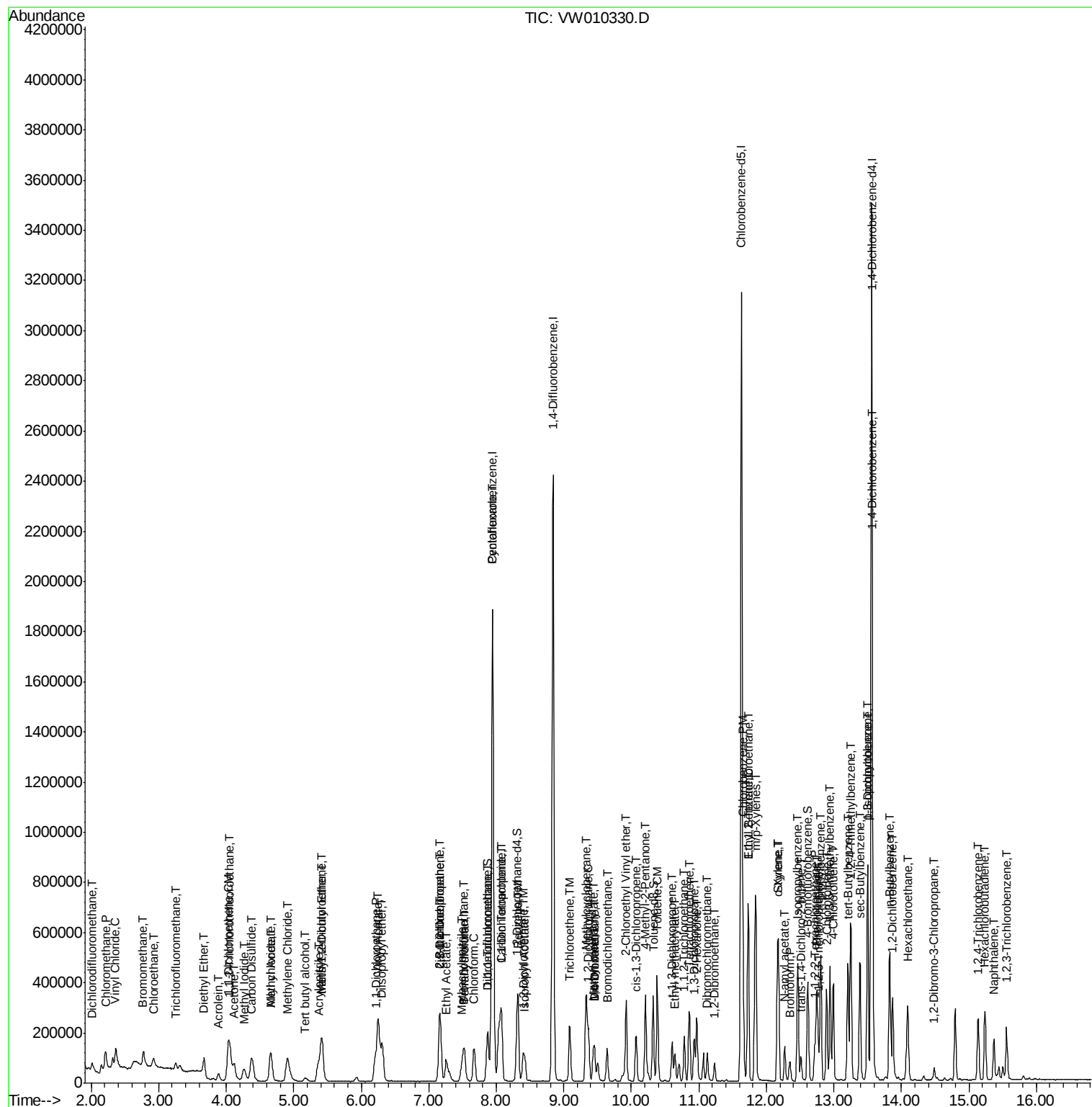
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050919\
Data File : VW010330.D
Acq On : 09 May 2019 11:09
Operator : SY/VA
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

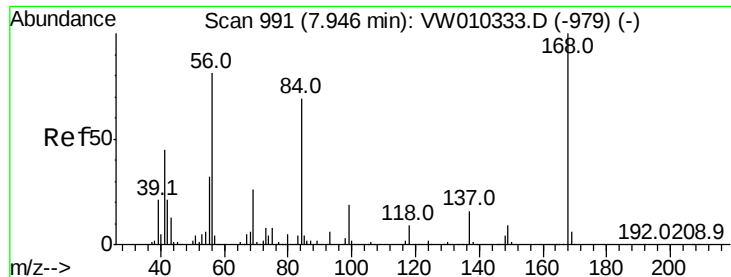
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

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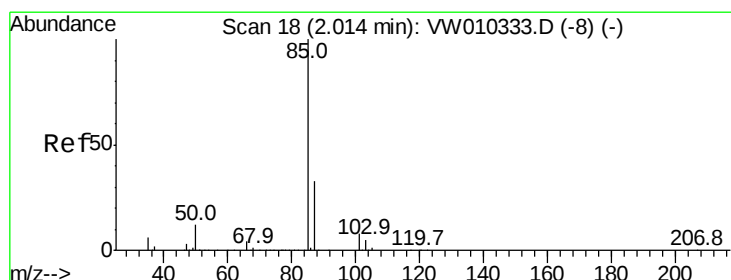
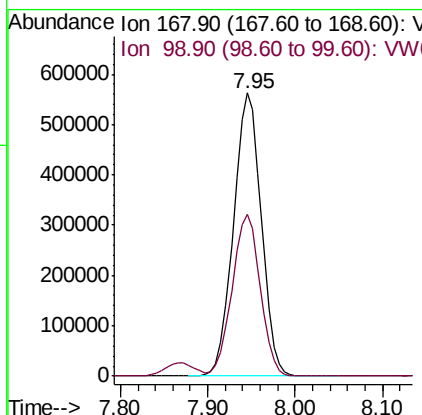
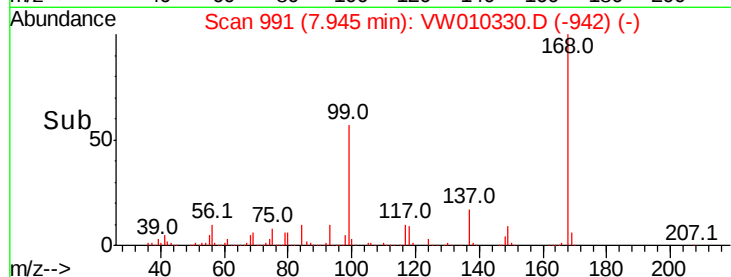
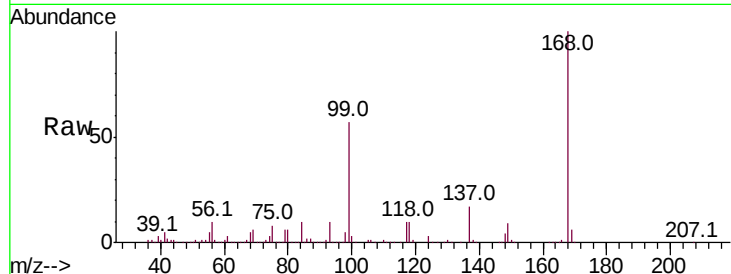
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:168 Resp: 1238736
Ion Ratio Lower Upper
168 100
99 57.2 48.4 72.6

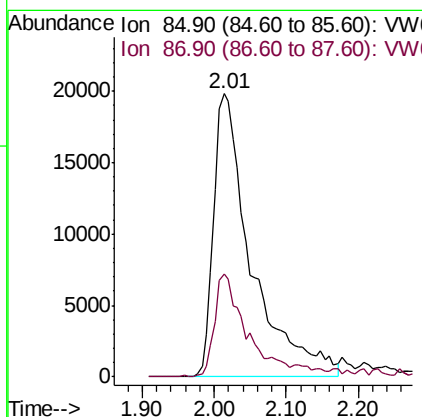
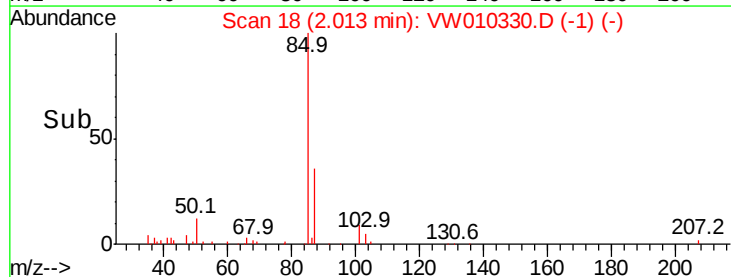
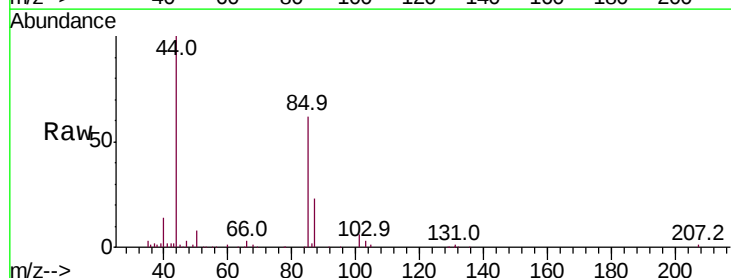
Manual Integrations
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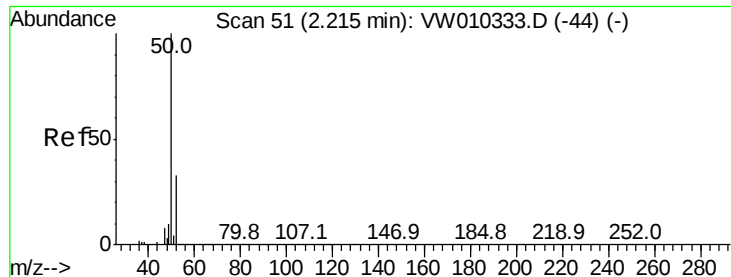
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#2
Dichlorodifluoromethane
Concen: 7.656 ug/l
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 85 Resp: 72309
Ion Ratio Lower Upper
85 100
87 36.1 16.3 48.9





#3

Chloromethane

Concen: 7.960 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 75185

Ion Ratio Lower Upper

50 100

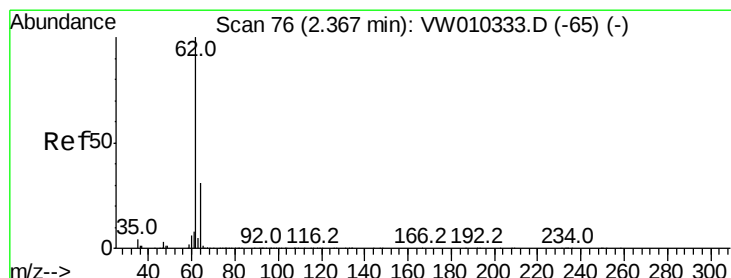
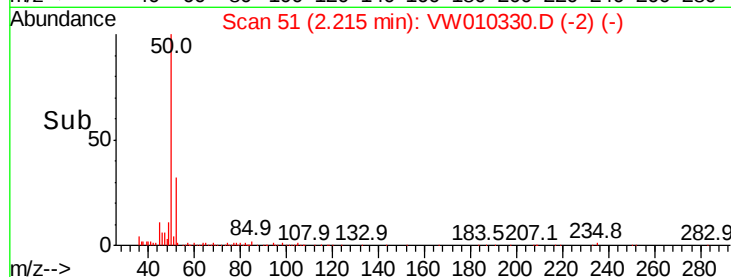
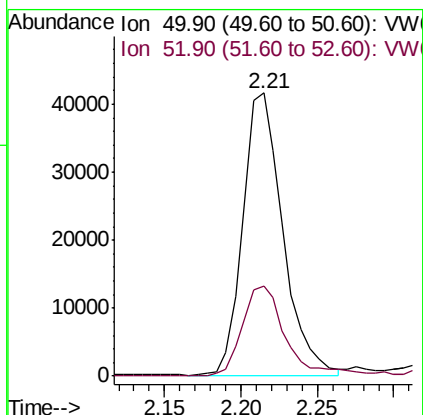
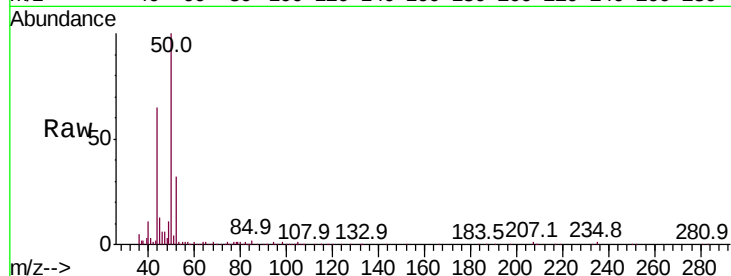
52 31.8 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 8.259 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010330.D

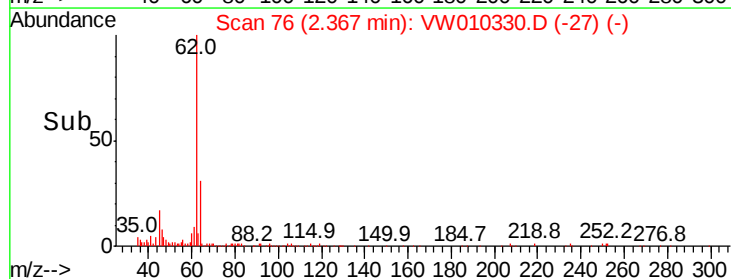
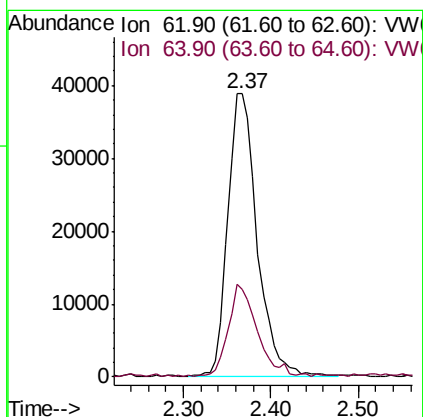
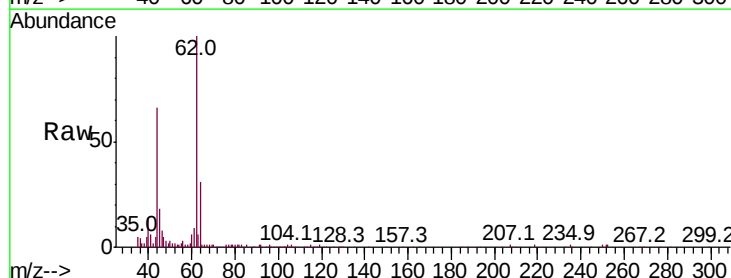
Acq: 09 May 2019 11:09

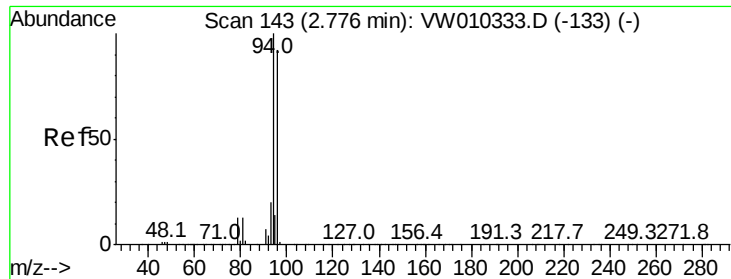
Tgt Ion: 62 Resp: 90682

Ion Ratio Lower Upper

62 100

64 30.7 25.9 38.9





#5

Bromomethane

Concen: 7.384 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 54483

Ion Ratio Lower Upper

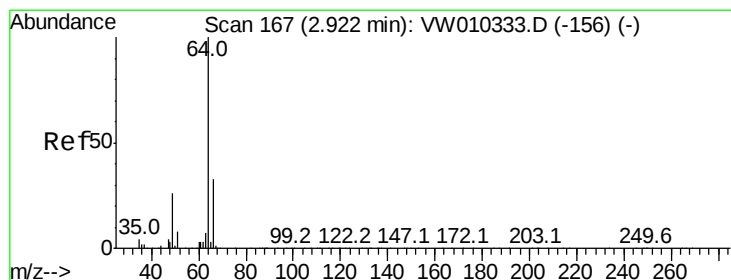
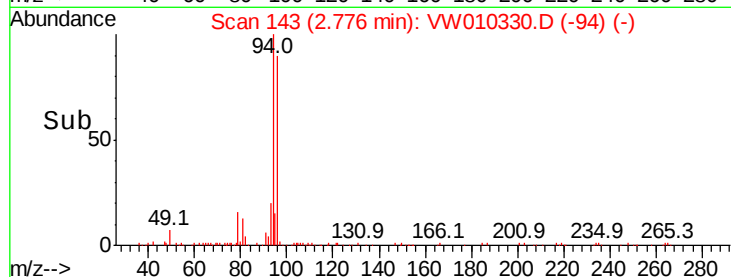
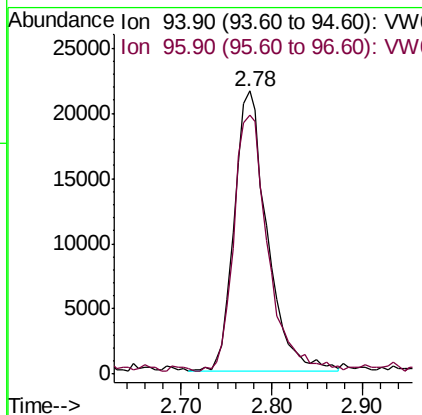
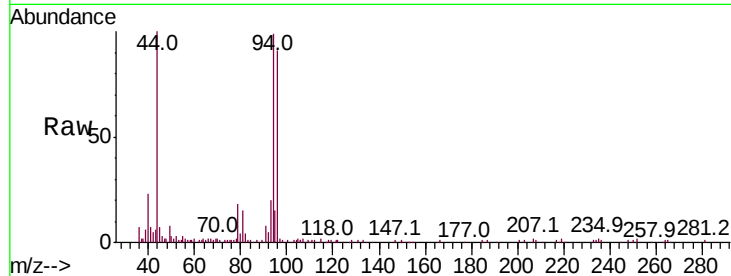
94 100

96 90.5 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 6.764 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010330.D

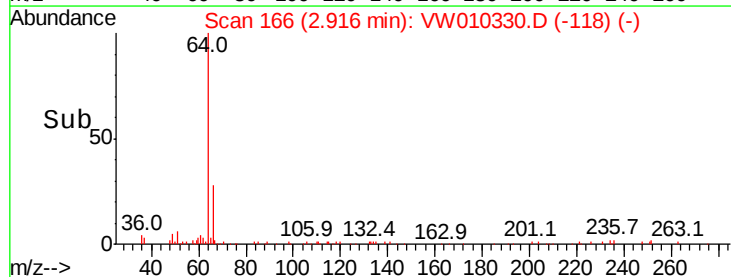
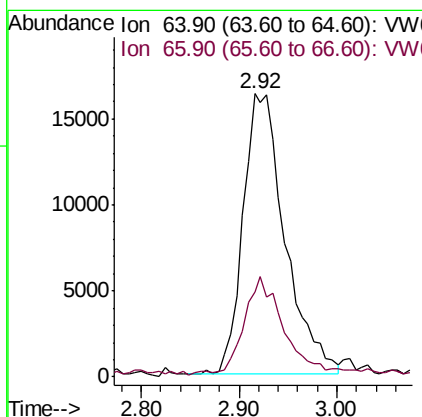
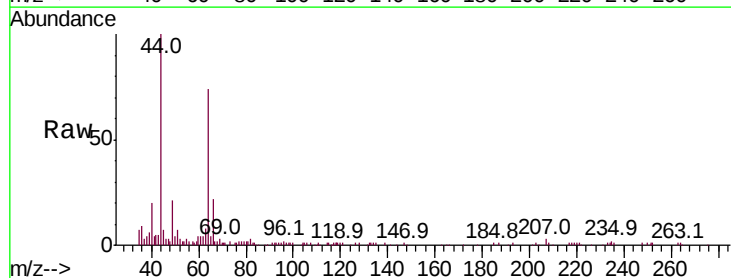
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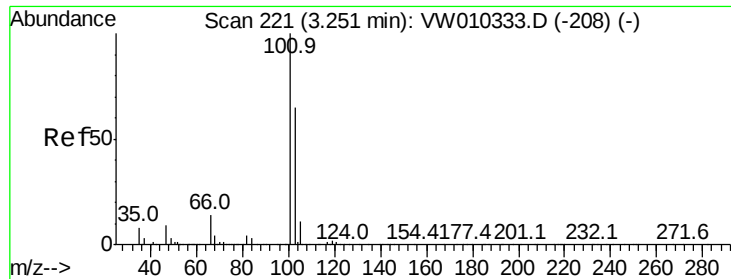
Tgt Ion: 64 Resp: 48522

Ion Ratio Lower Upper

64 100

66 29.5 23.4 35.0





#7

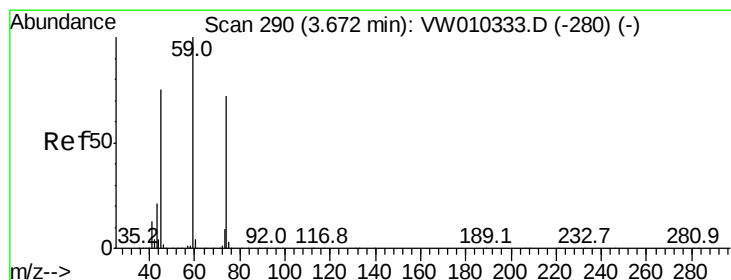
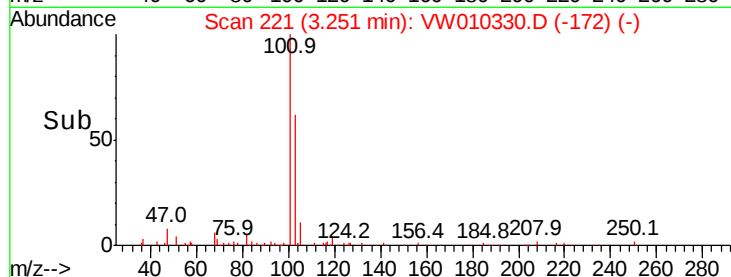
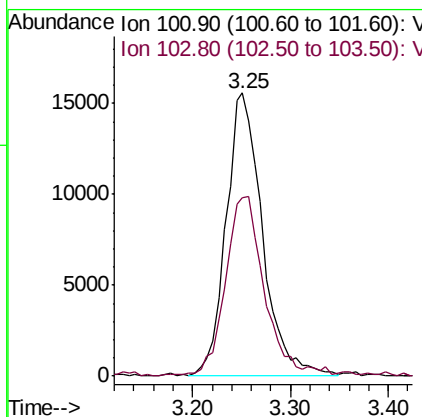
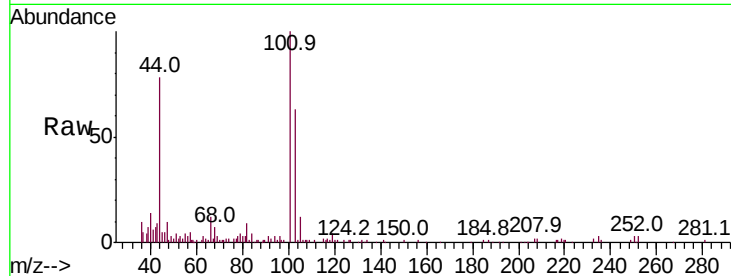
Trichlorofluoromethane
Concen: 5.228 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
101	100	39683		
103	62.5	49.8	74.6	

Manual Integrations
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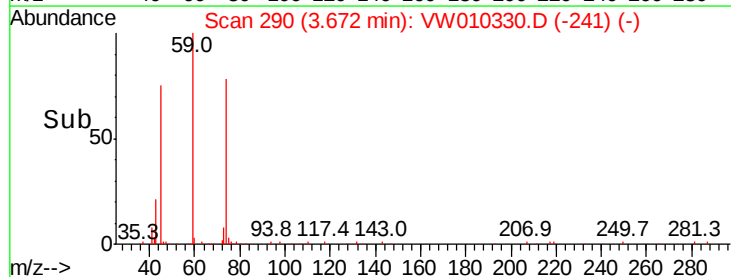
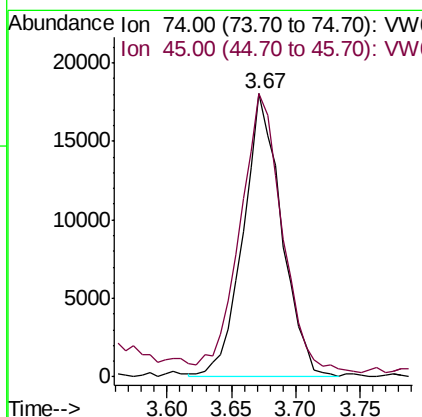
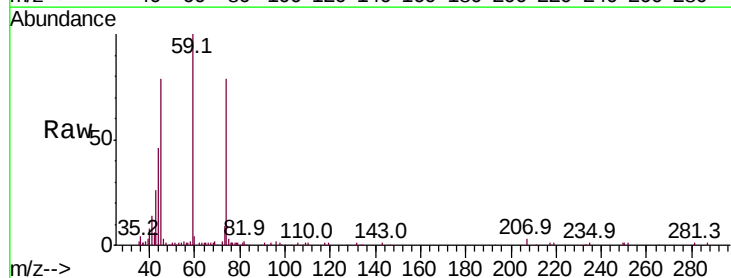
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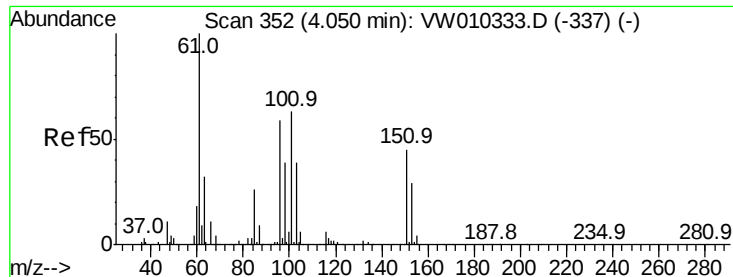


#8

Diethyl Ether
Concen: 5.893 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37209		
45	107.7	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.699 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

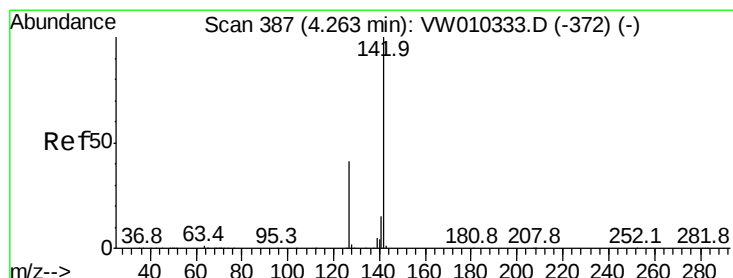
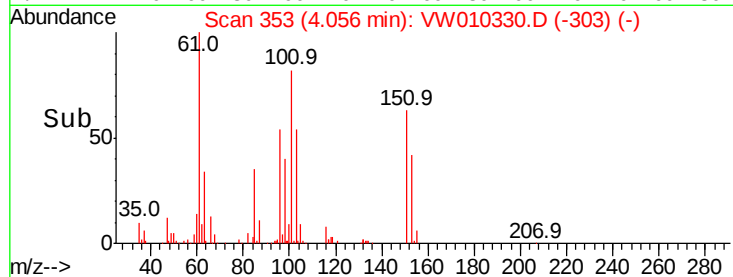
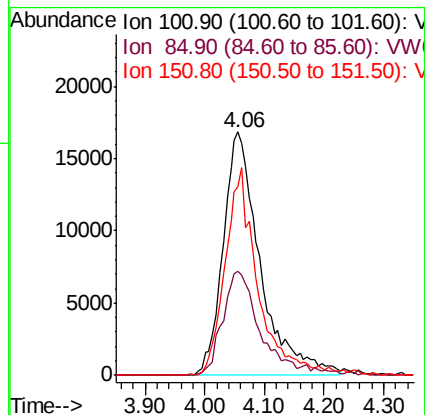
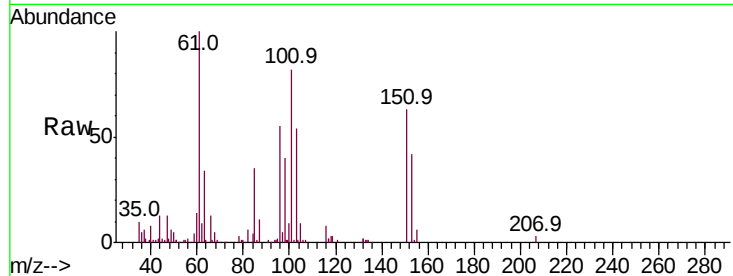
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	72791
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.3	54.5
151	73.2	60.2	90.2

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#10

Methyl Iodide

Concen: 5.658 ug/l

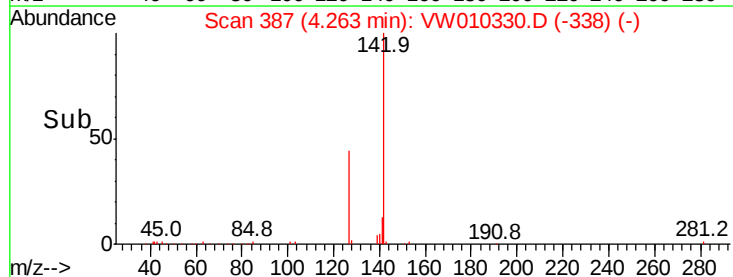
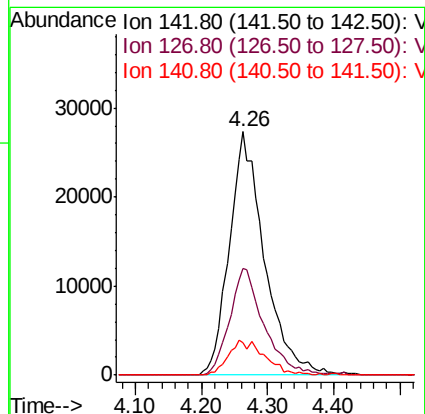
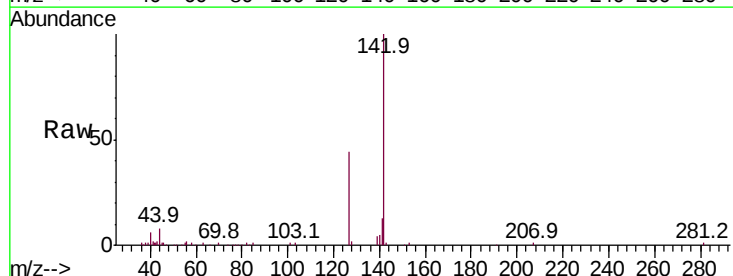
RT: 4.26 min Scan# 387

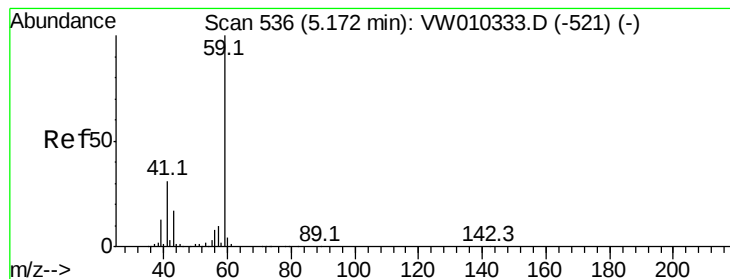
Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	142	Resp:	99870
Ion Ratio	Lower	Upper	
142	100		
127	42.6	38.1	57.1
141	15.0	12.2	18.2





#11

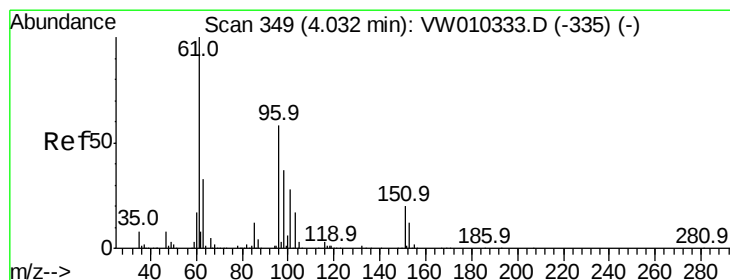
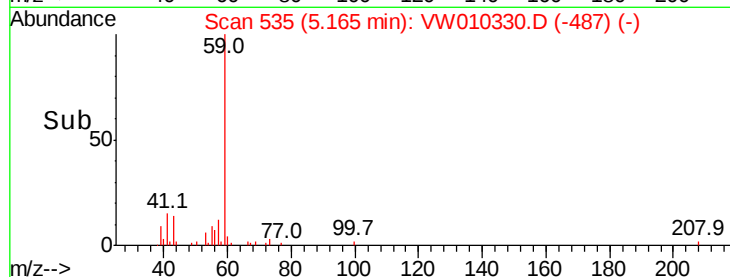
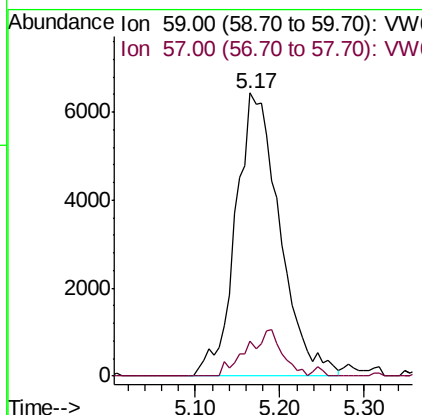
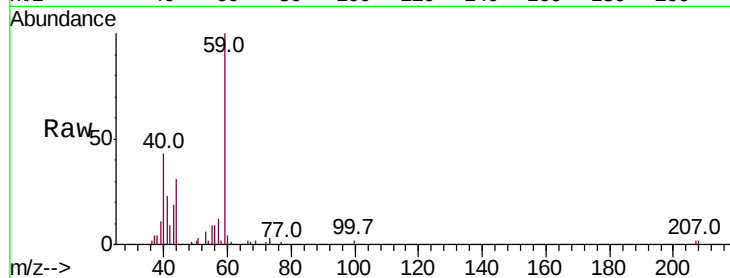
Tert butyl alcohol
Concen: 26.280 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

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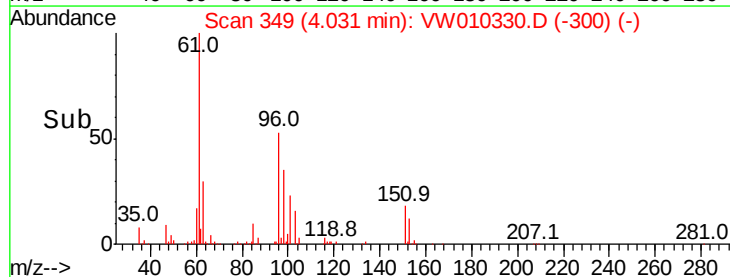
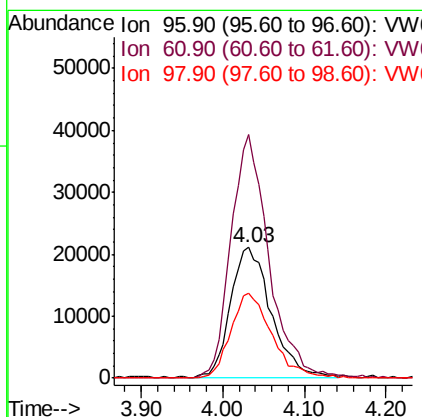
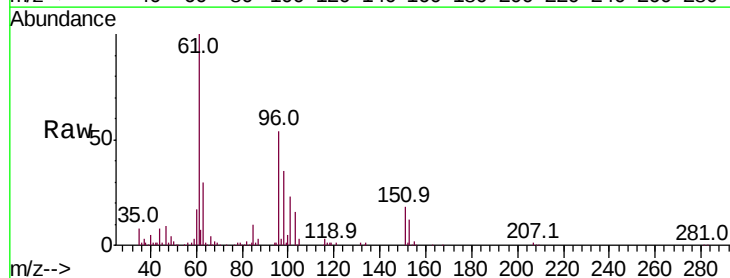
MMDadoda
5/10/2019 10:07:13 AM

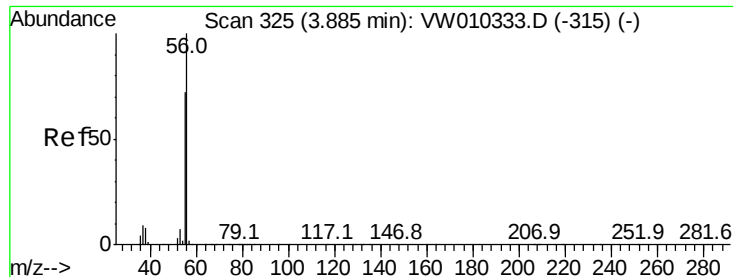


#12

1,1-Dichloroethene
Concen: 5.923 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.7	147.4	221.2
98	65.0	49.7	74.5





#13

Acrolein

Concen: 35.763 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 32761

Ion Ratio Lower Upper

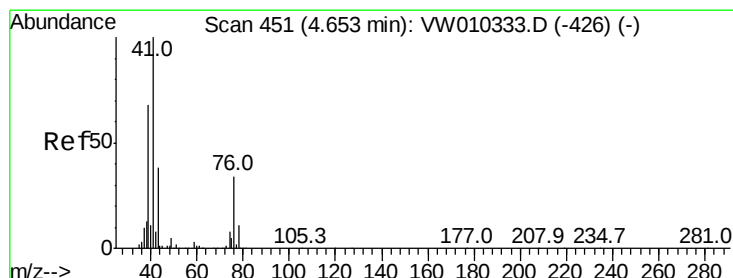
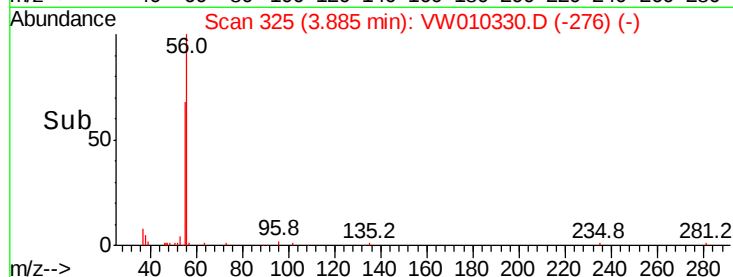
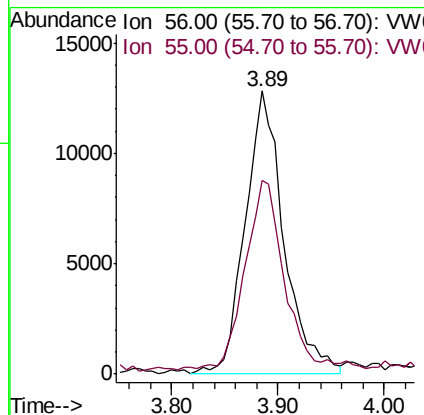
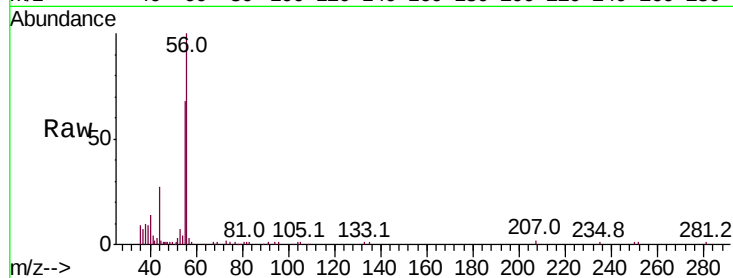
56 100

55 68.1 54.2 81.2

Manual Integrations
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#14

Allyl chloride

Concen: 4.872 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

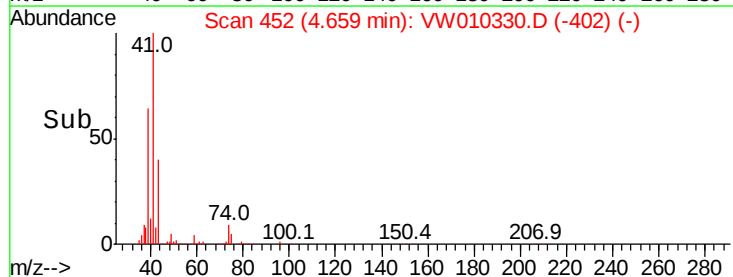
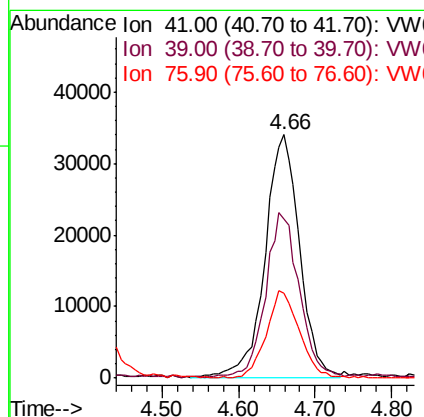
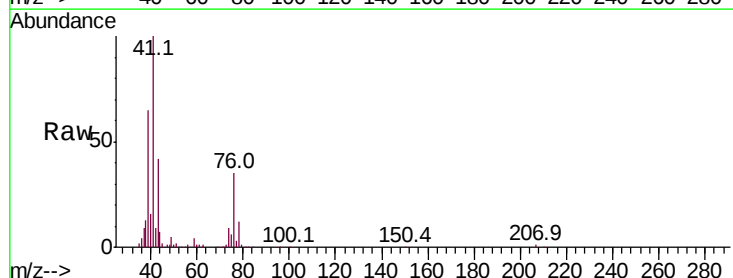
Tgt Ion: 41 Resp: 106079

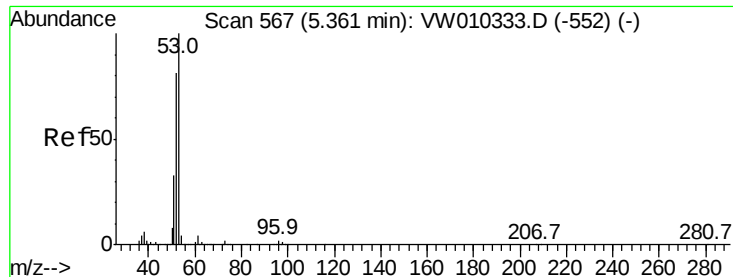
Ion Ratio Lower Upper

41 100

39 65.4 60.2 90.4

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 30.100 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

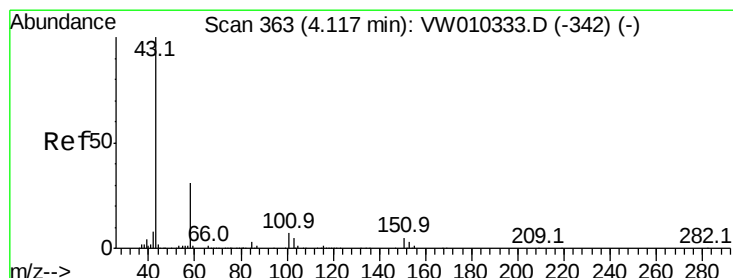
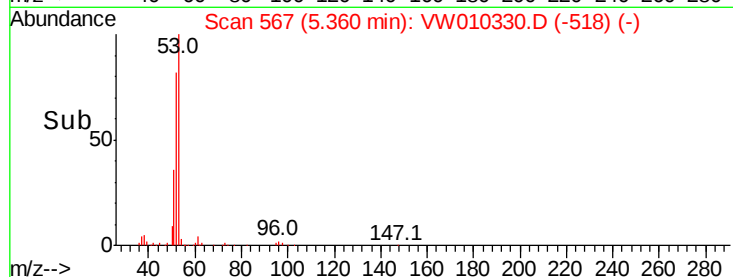
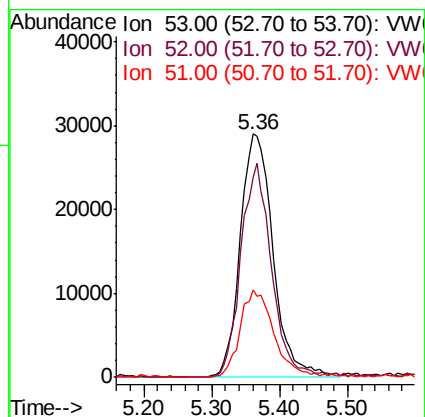
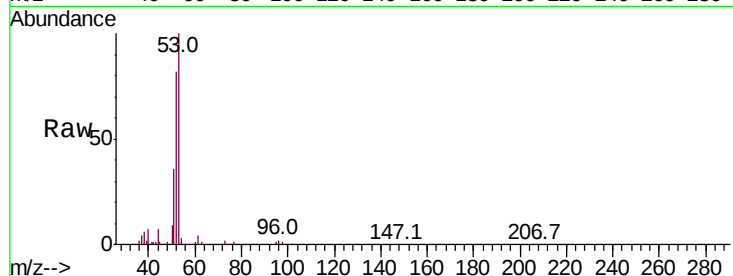
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	97812
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.6	100.0
51	36.6	30.3	45.5

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#16

Acetone

Concen: 24.213 ug/l

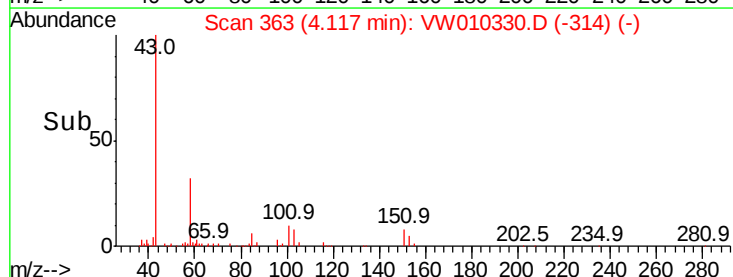
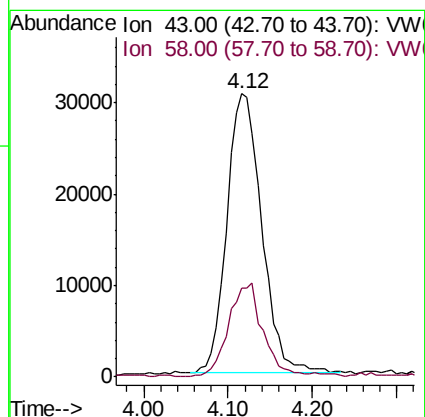
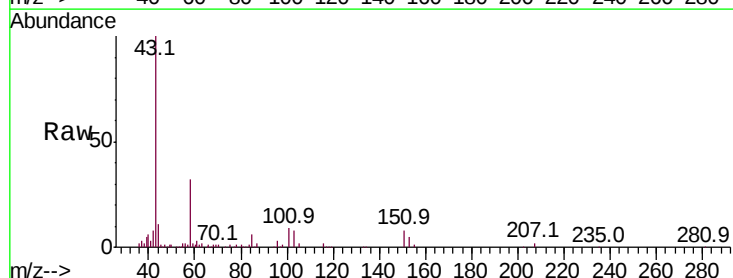
RT: 4.12 min Scan# 363

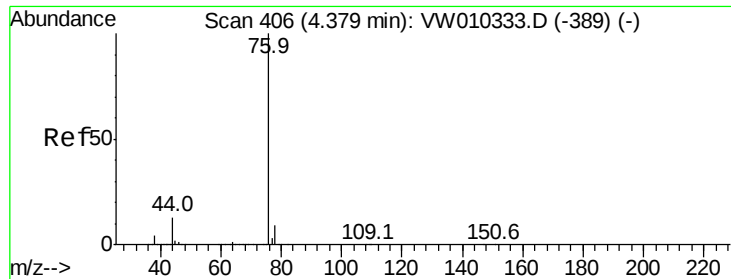
Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	43	Resp:	85881
Ion Ratio	Lower	Upper	
43	100		
58	32.0	22.7	34.1





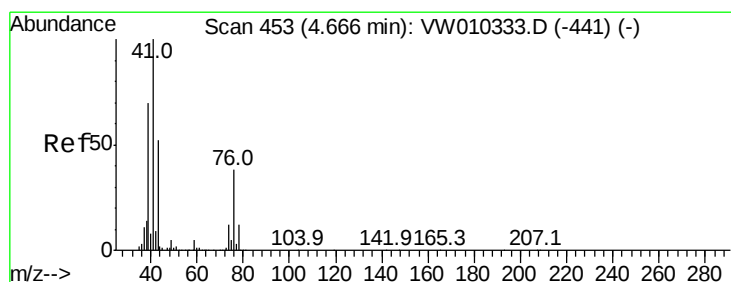
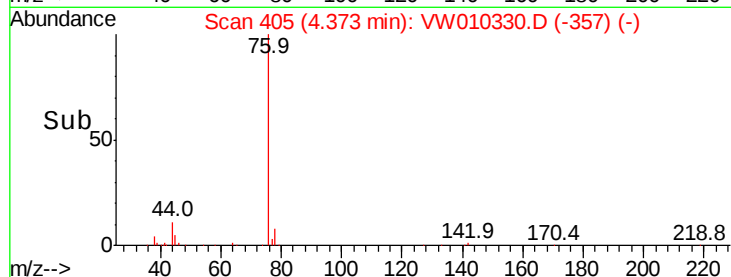
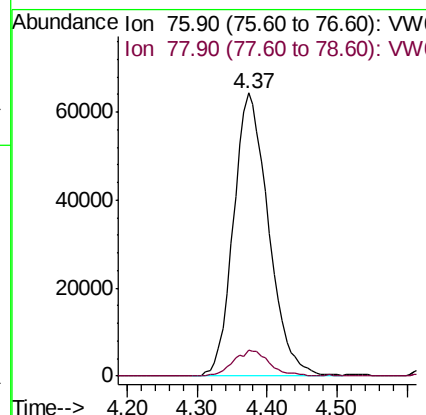
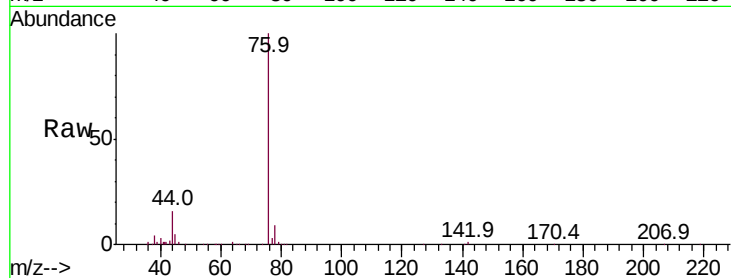
#17
Carbon Disulfide
Concen: 6.657 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

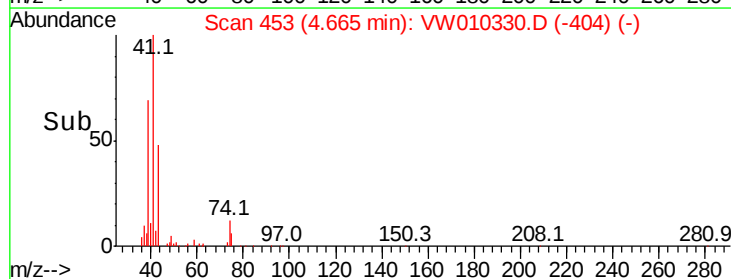
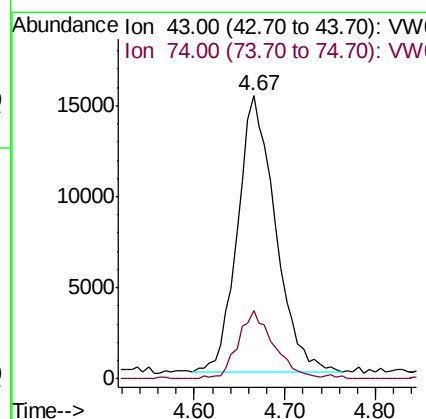
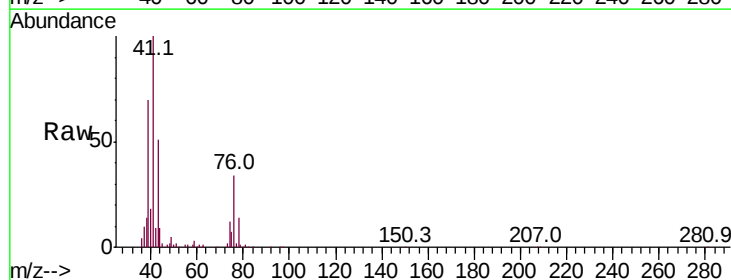
Manual Integrations
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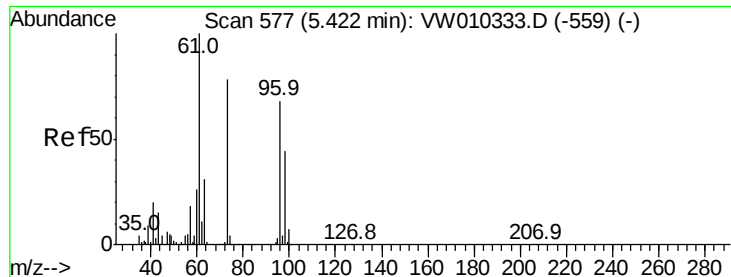
MMDadoda
5/10/2019 10:07:13 AM



#18
Methyl Acetate
Concen: 5.382 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	16.8	25.2





#19

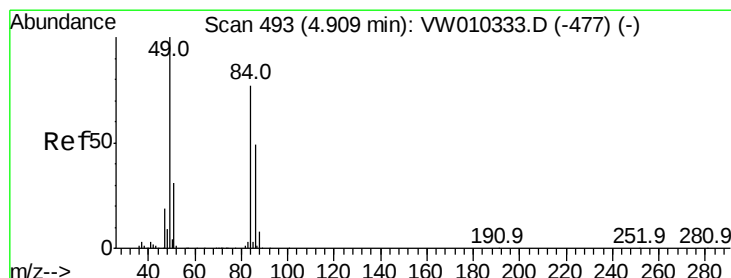
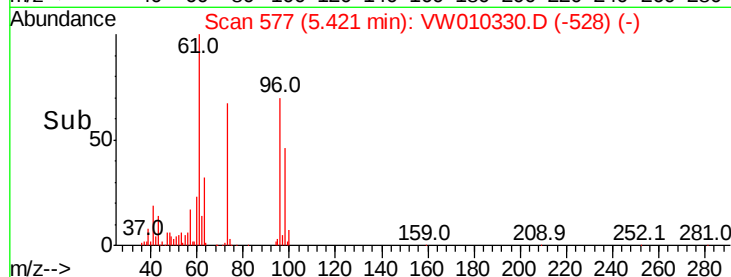
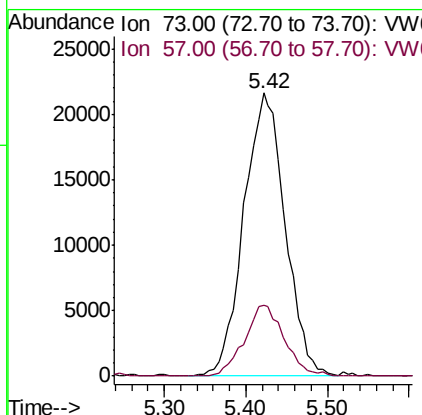
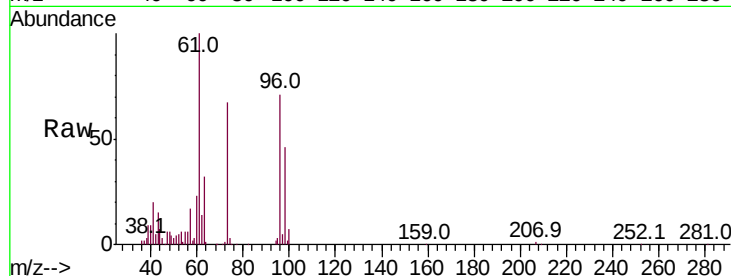
Methyl tert-butyl Ether
 Concen: 4.782 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	18.5	27.7

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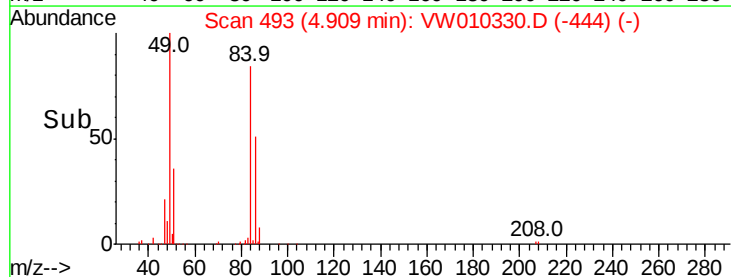
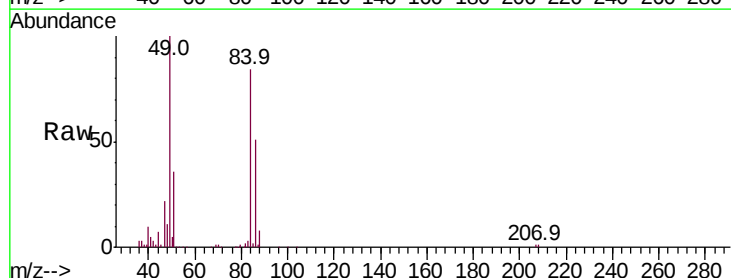
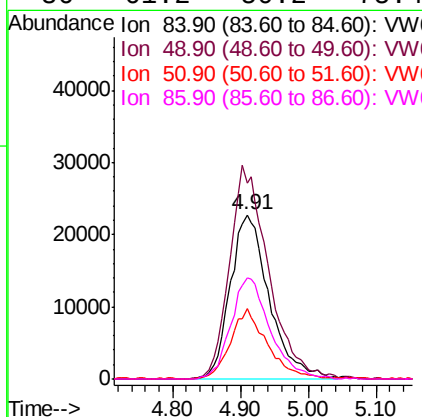
MMDadoda
 5/10/2019 10:07:13 AM

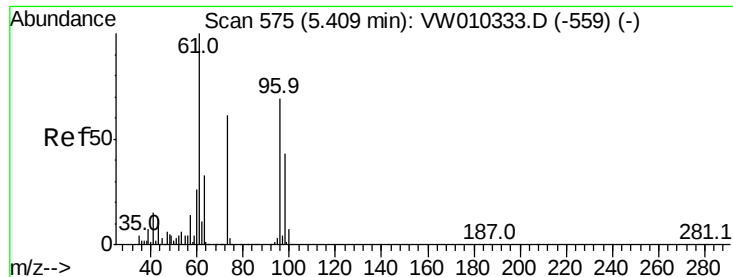


#20

Methylene Chloride
 Concen: 5.561 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	112.3	168.5
51	42.9	33.9	50.9
86	61.2	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 5.781 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

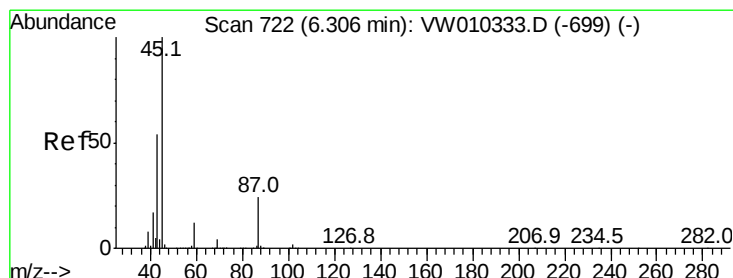
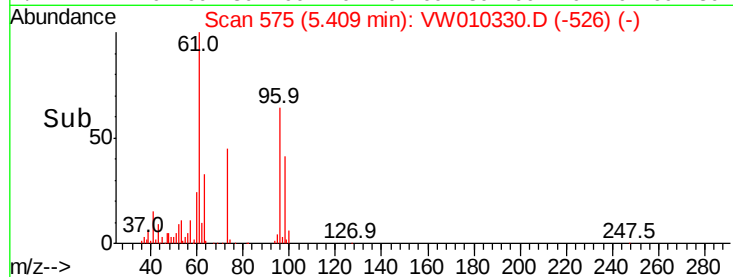
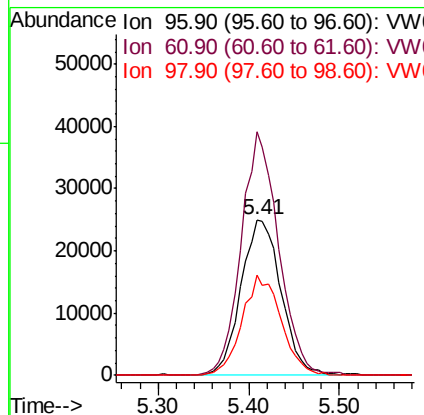
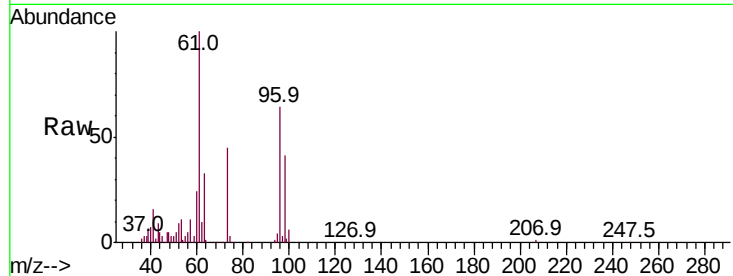
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	76664
Ion	Ratio	Lower	Upper
96	100		
61	156.5	122.3	183.5
98	64.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 4.138 ug/l

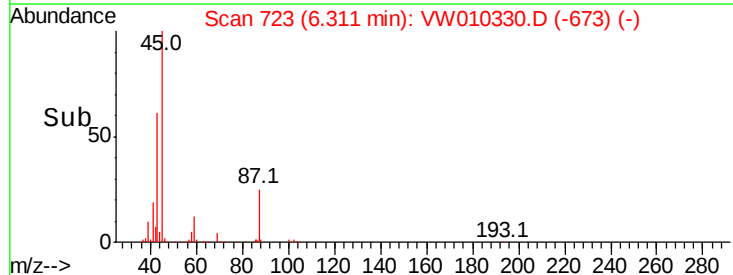
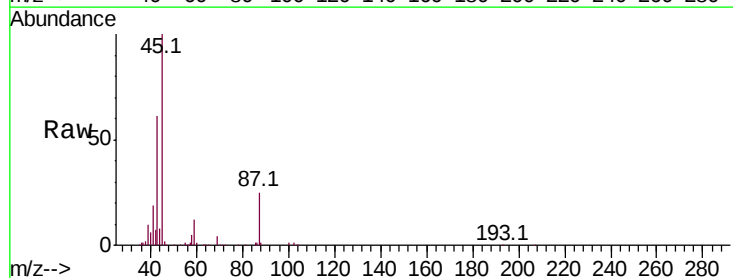
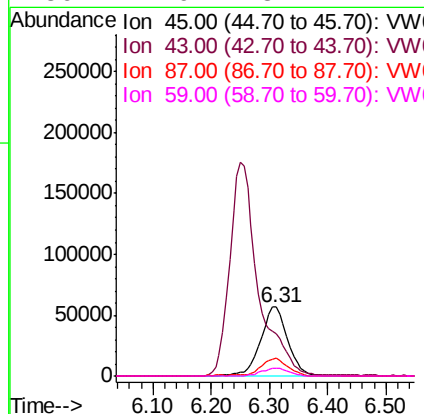
RT: 6.31 min Scan# 723

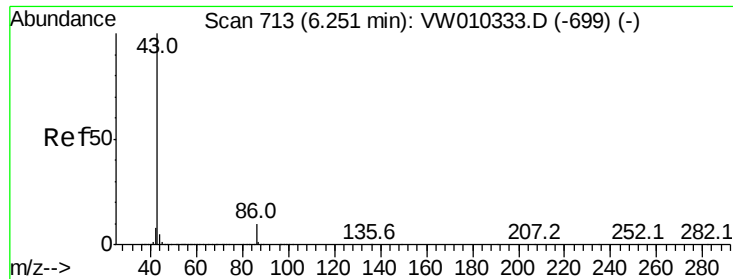
Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	45	Resp:	182743
Ion	Ratio	Lower	Upper
45	100		
43	60.0	46.1	69.1
87	25.1	18.3	27.5
59	11.9	8.2	12.4





#23

Vinyl Acetate

Concen: 21.498 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 597666

Ion Ratio Lower Upper

43 100

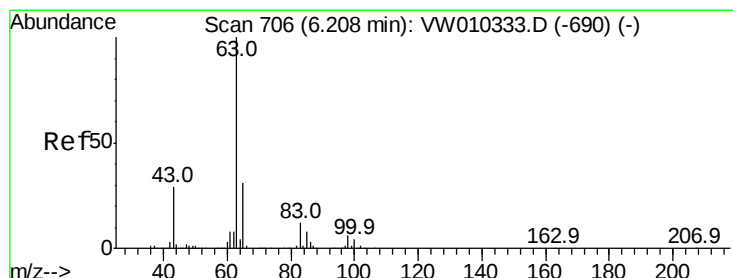
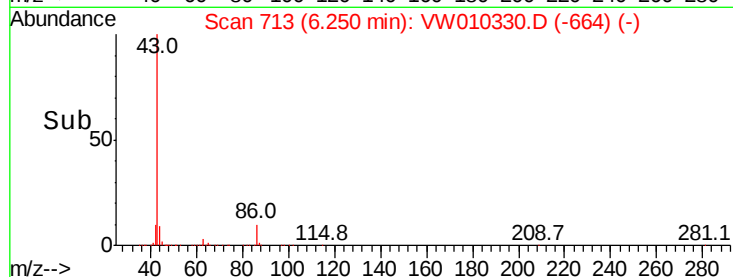
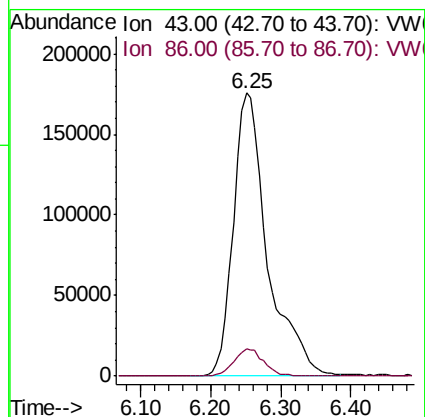
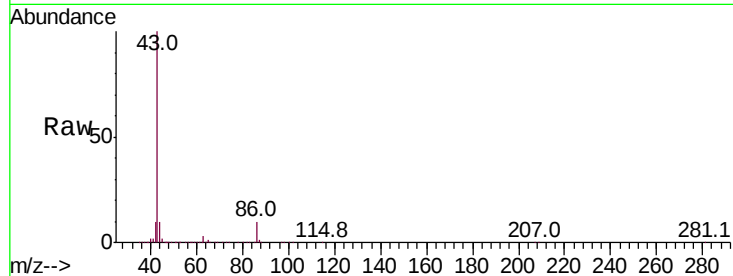
86 9.8 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.237 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

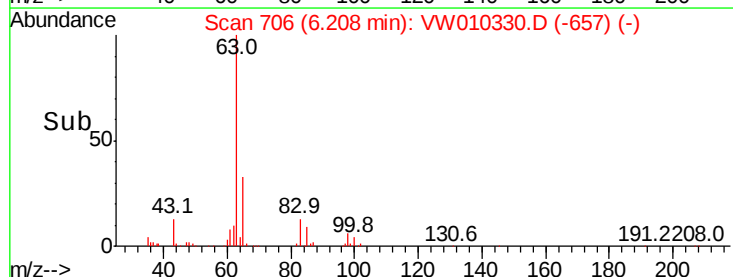
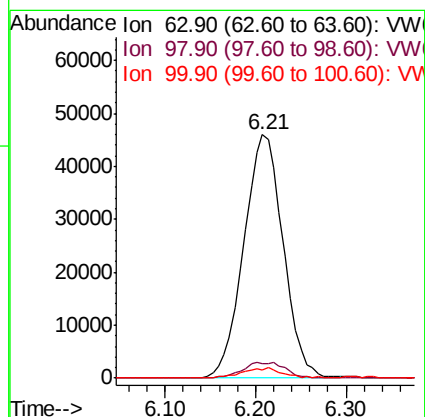
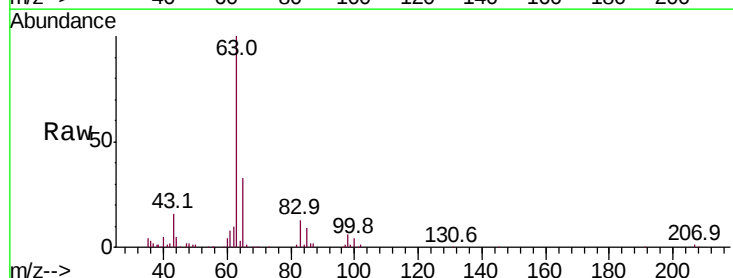
Tgt Ion: 63 Resp: 138260

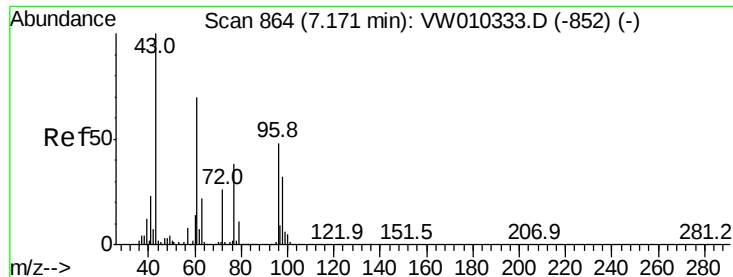
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 25.444 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 118548

Ion Ratio Lower Upper

43 100

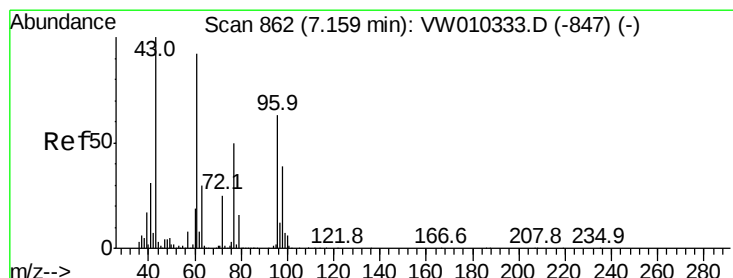
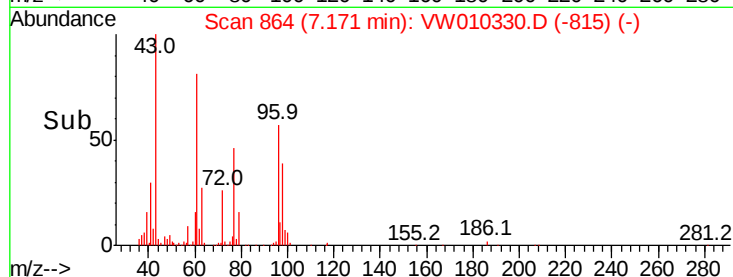
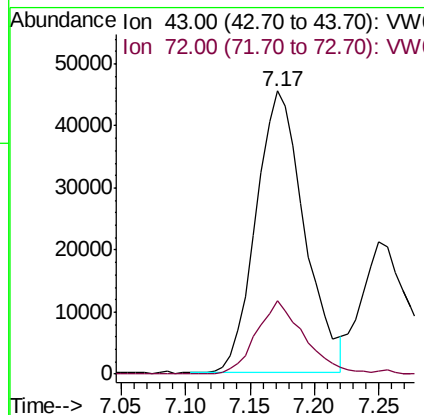
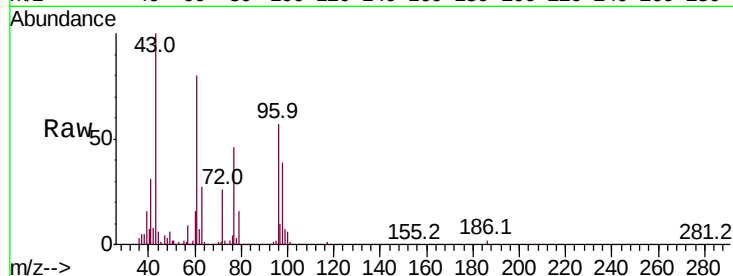
72 26.2 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.850 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010330.D

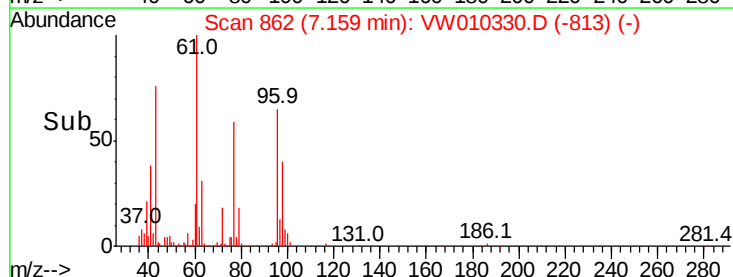
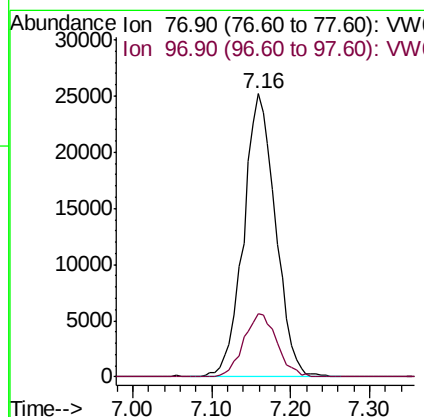
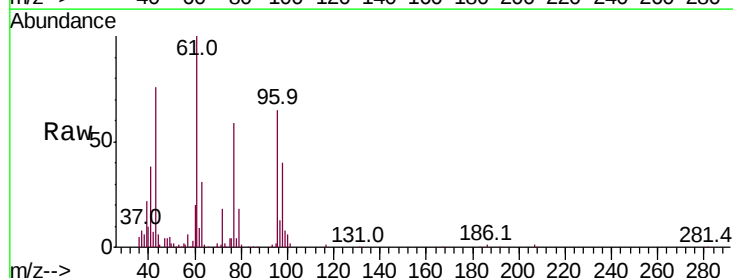
Acq: 09 May 2019 11:09

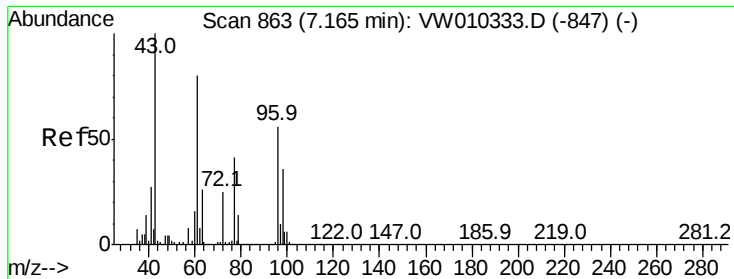
Tgt Ion: 77 Resp: 70840

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





#27

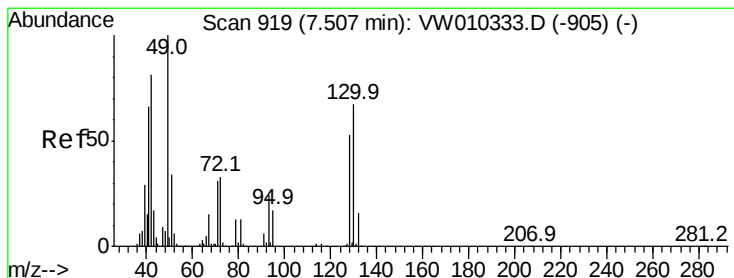
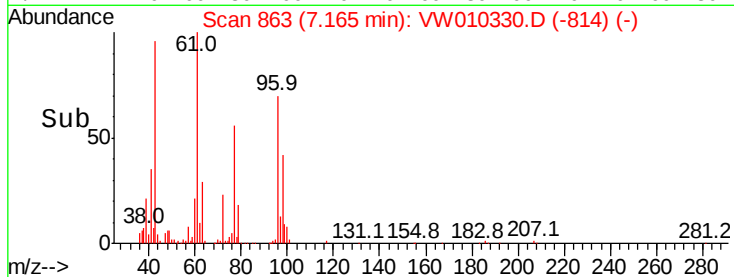
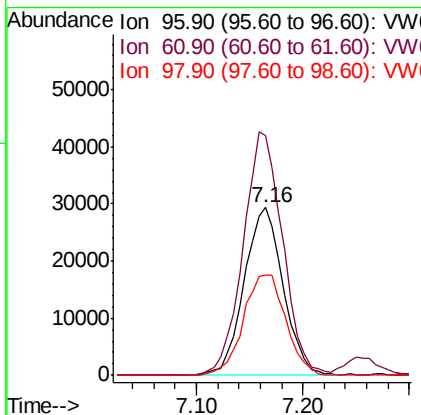
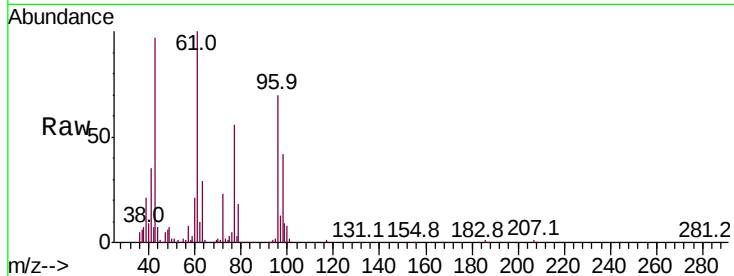
cis-1,2-Dichloroethene
Concen: 5.173 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	309.4
98	65.3	0.0	128.6

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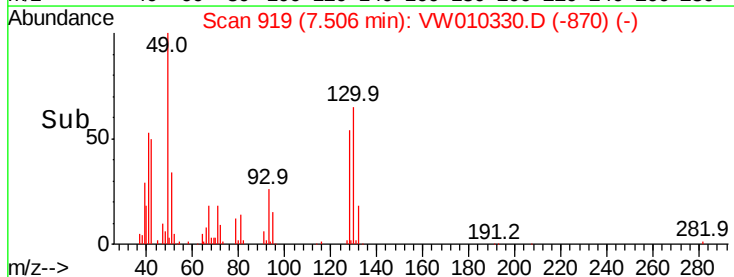
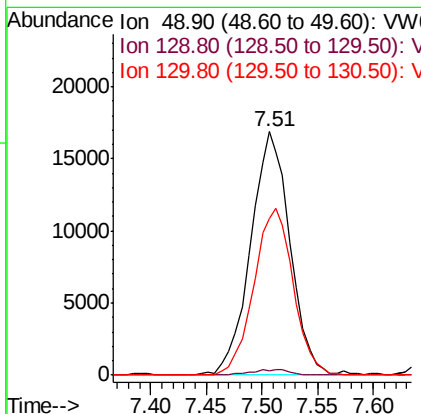
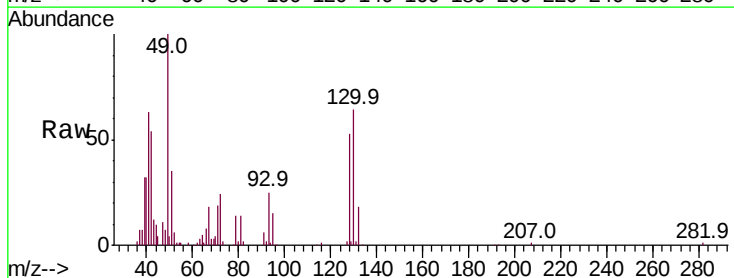
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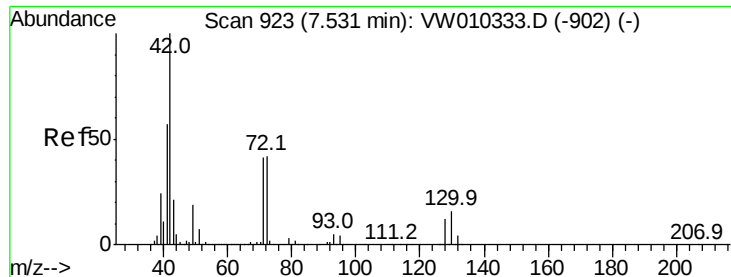


#28

Bromochloromethane
Concen: 3.844 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	68.7	54.6	82.0





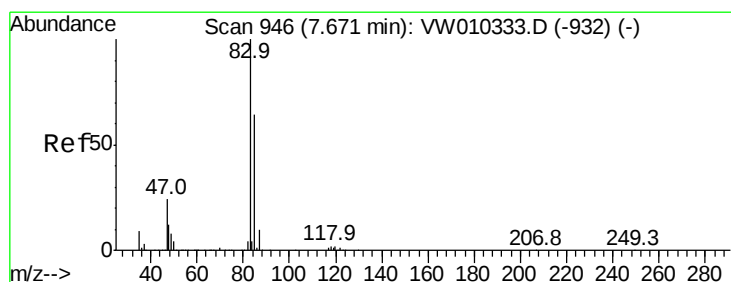
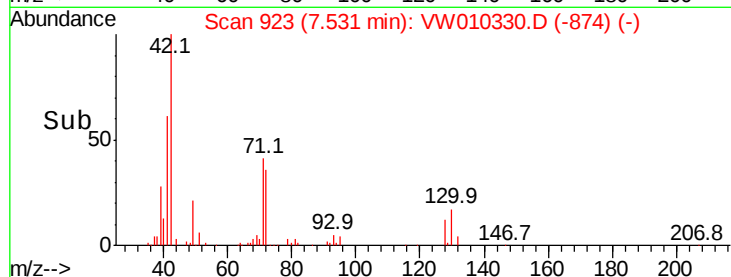
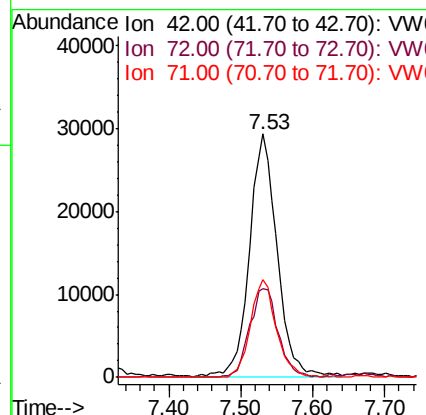
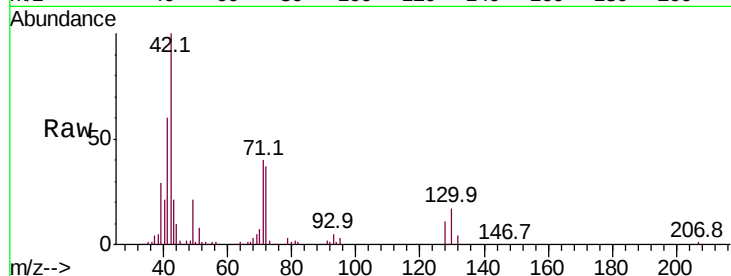
#29
Tetrahydrofuran
Concen: 26.398 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.0	46.6
71	37.8	29.7	44.5

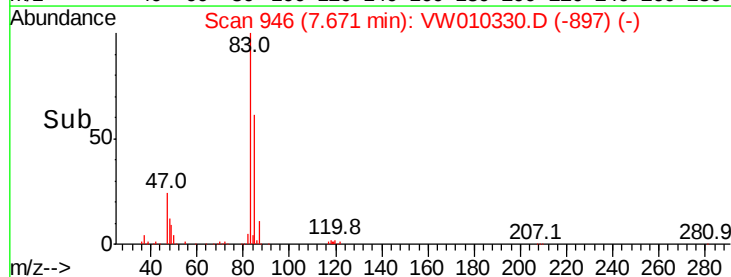
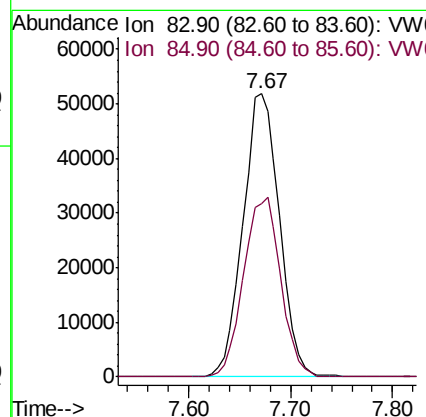
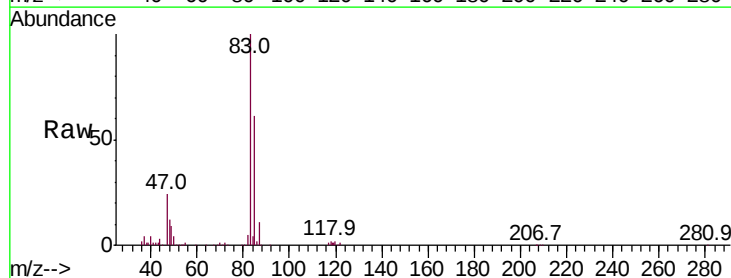
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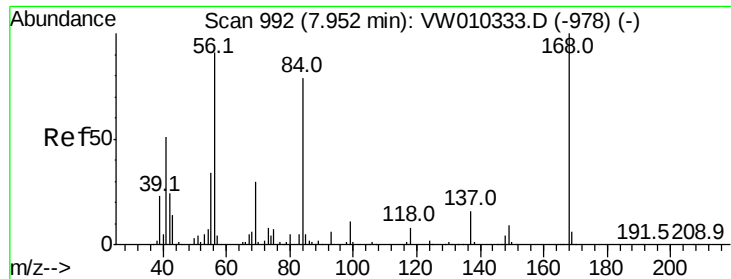
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#30
Chloroform
Concen: 4.859 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.7	76.1





#31

Cyclohexane

Concen: 6.304 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 155857

Ion Ratio Lower Upper

56 100

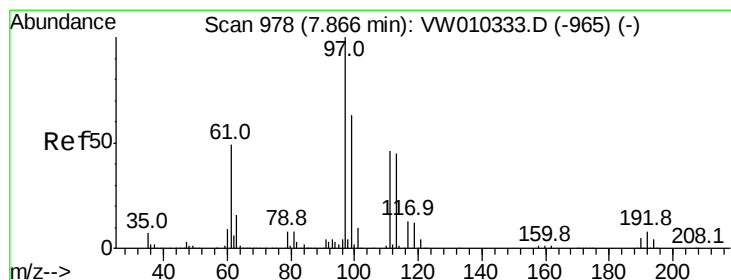
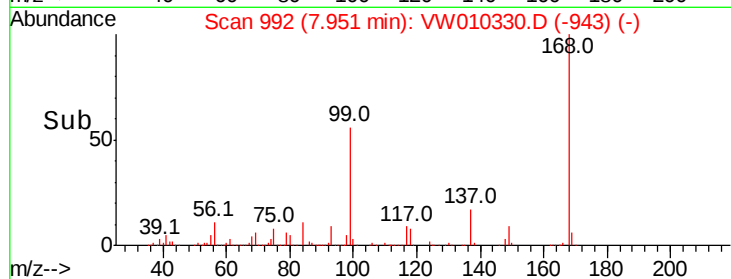
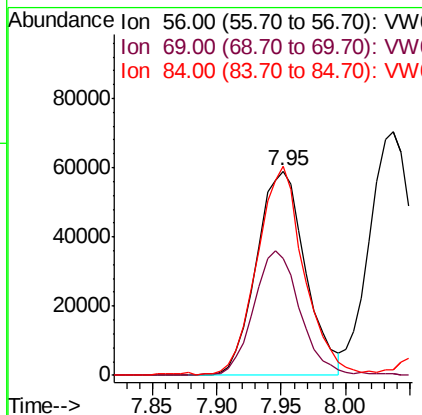
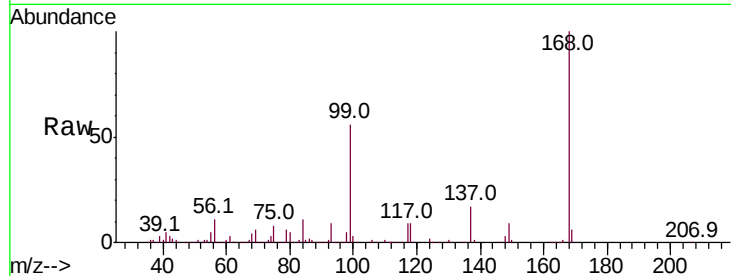
69 57.2 26.6 40.0#

84 101.1 66.2 99.2#

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#32

1,1,1-Trichloroethane

Concen: 4.963 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

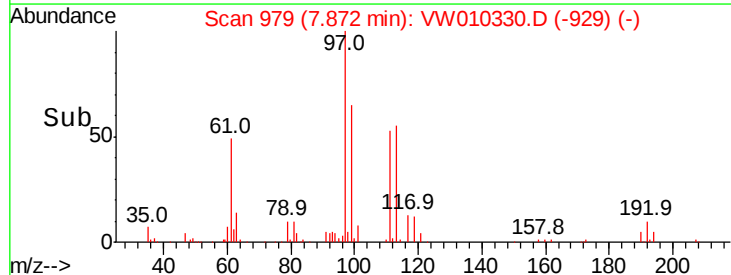
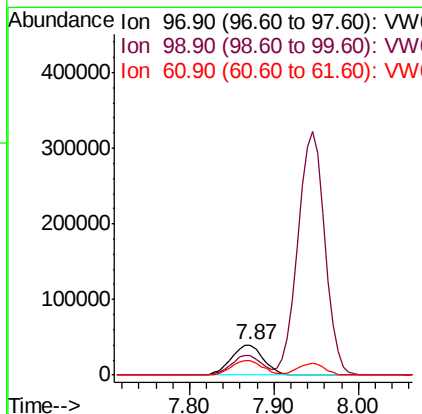
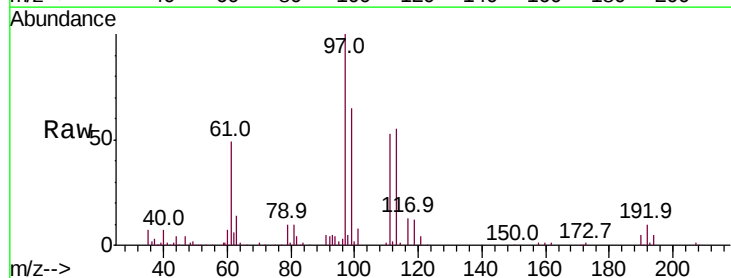
Tgt Ion: 97 Resp: 103061

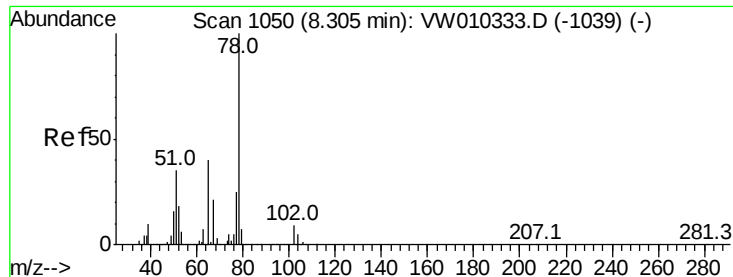
Ion Ratio Lower Upper

97 100

99 62.0 50.2 75.2

61 47.8 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 4.254 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 65037

Ion Ratio Lower Upper

65 100

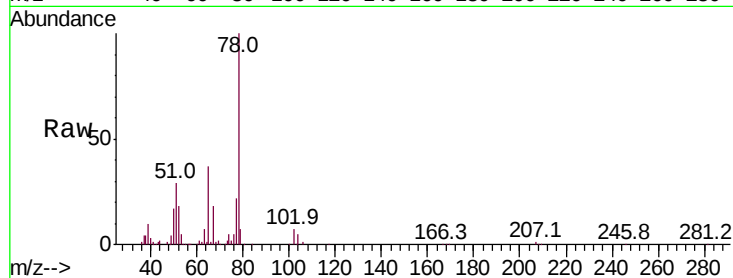
67 51.8 0.0 100.8

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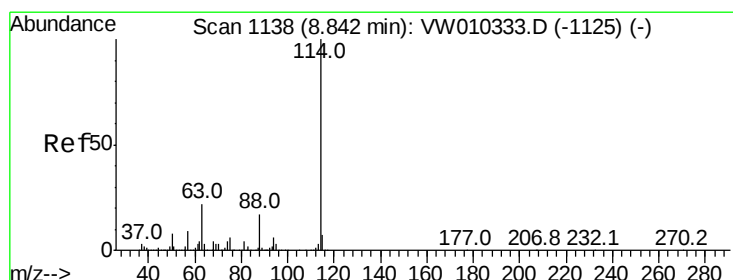
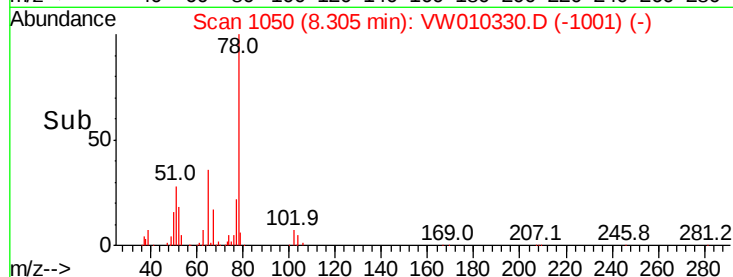
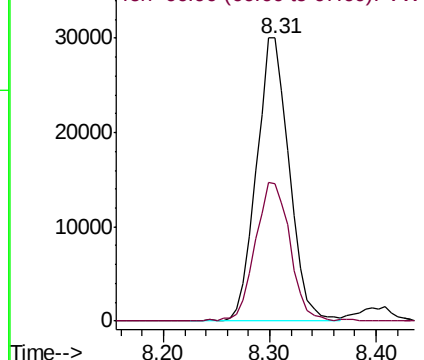
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

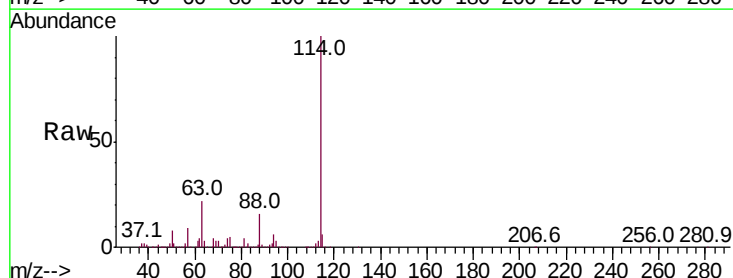
Tgt Ion: 114 Resp: 1970234

Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.2

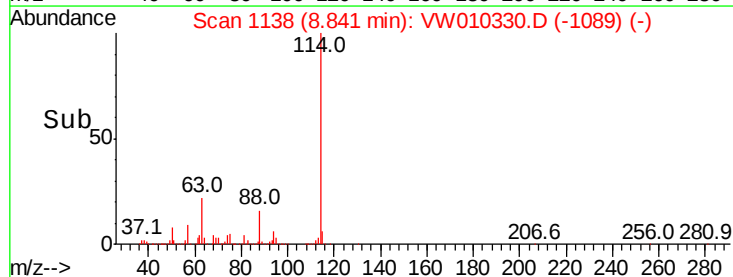
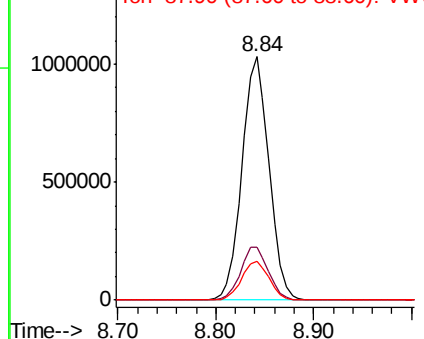
88 15.8 0.0 32.6

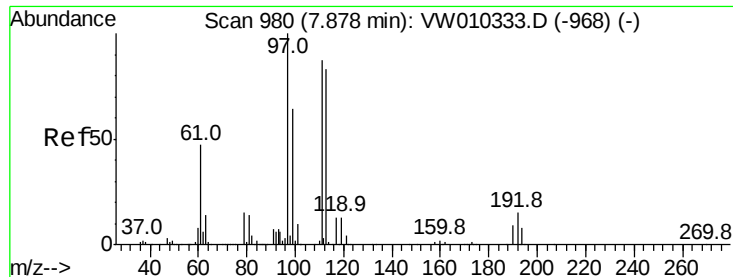


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 4.536 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

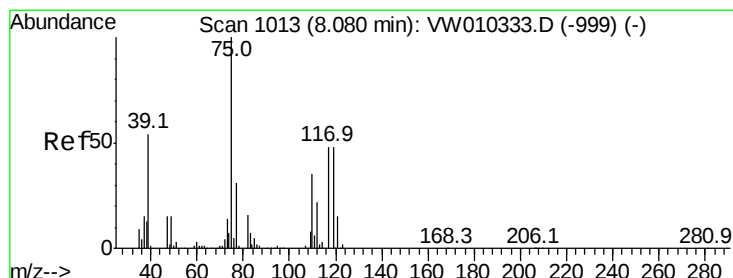
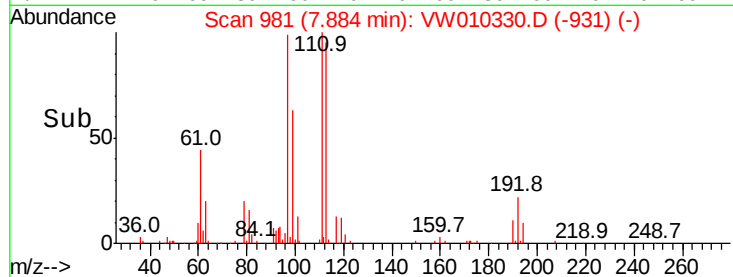
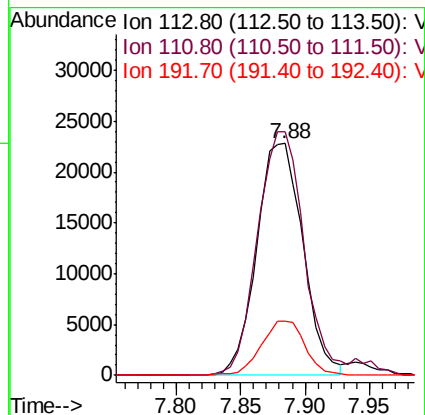
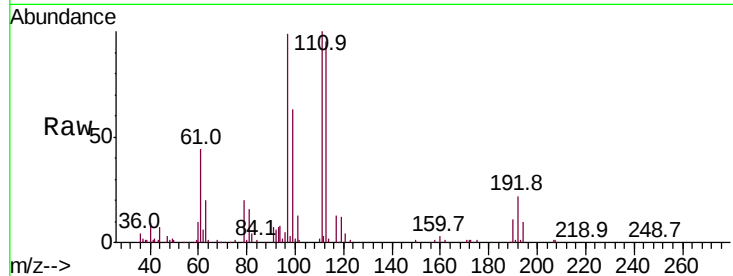
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	56819
Ion Ratio	Lower	Upper	
113	100		
111	105.6	82.6	123.8
192	22.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 5.542 ug/l

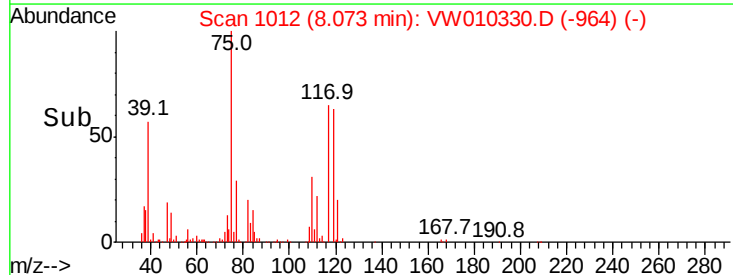
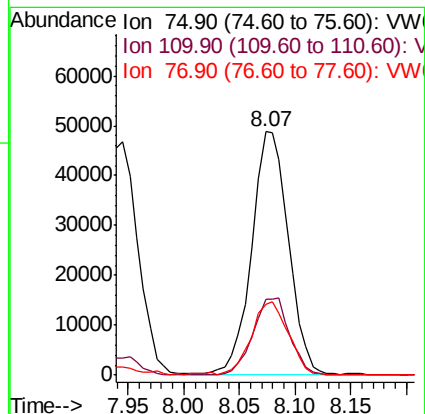
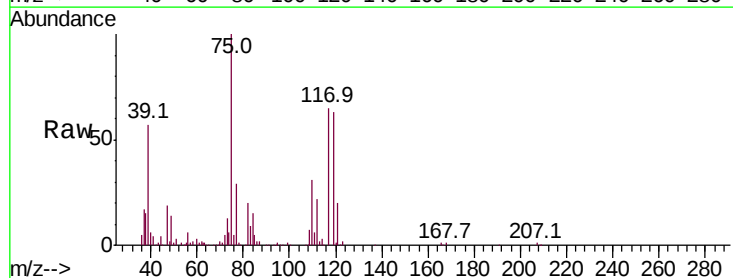
RT: 8.07 min Scan# 1012

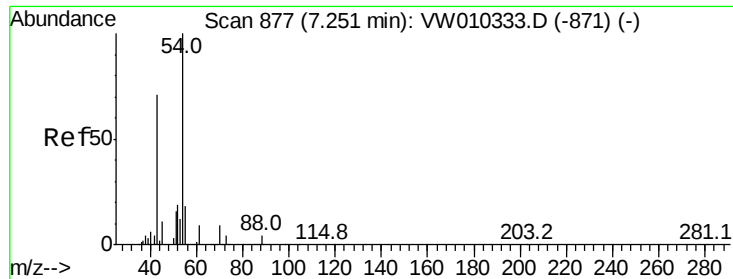
Delta R.T. -0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	75	Resp:	111530
Ion Ratio	Lower	Upper	
75	100		
110	31.9	16.6	49.8
77	31.0	24.8	37.2





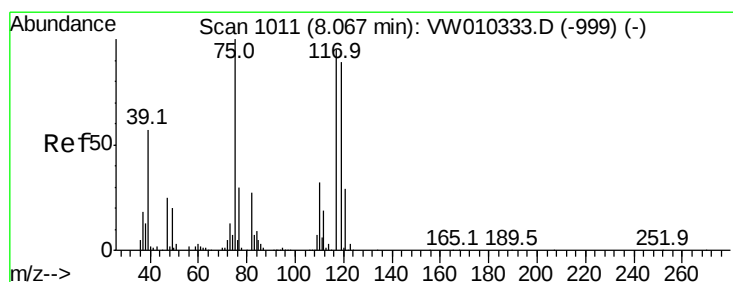
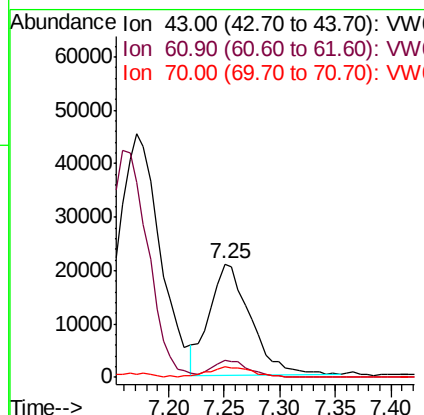
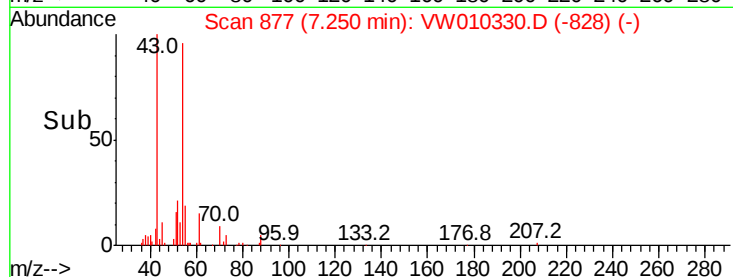
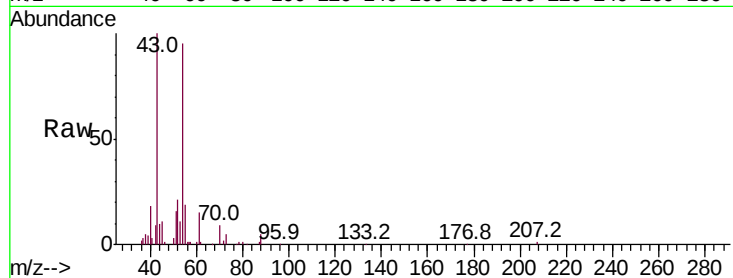
#37
Ethyl Acetate
Concen: 5.211 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.2	7.4	11.0

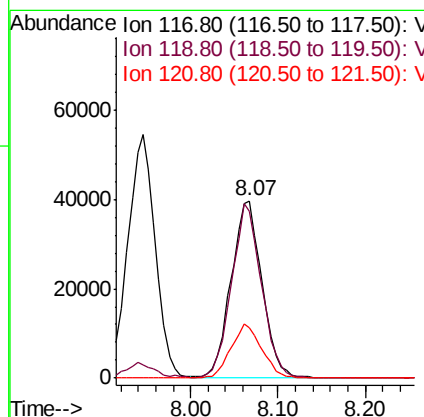
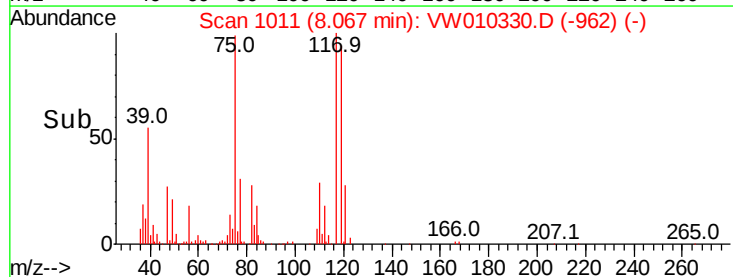
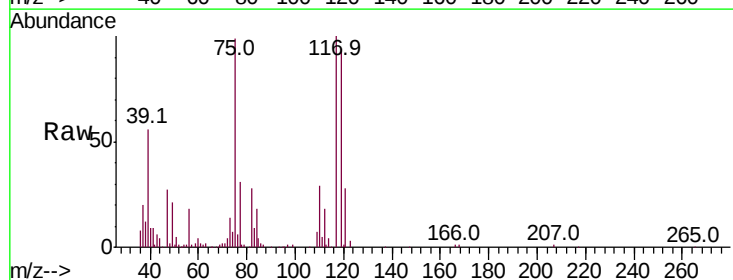
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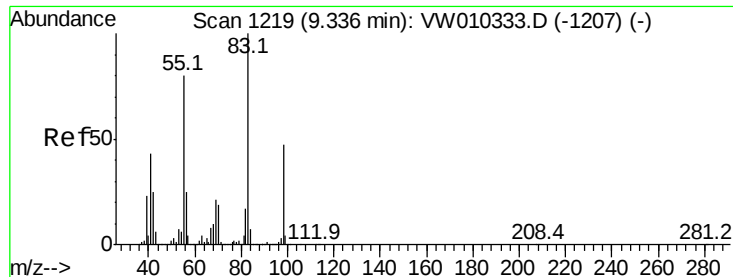
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#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.3	112.9
121	28.2	24.4	36.6





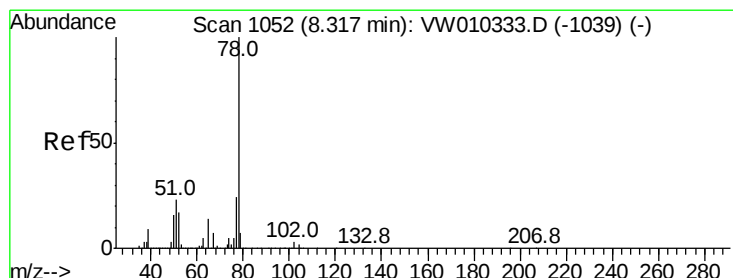
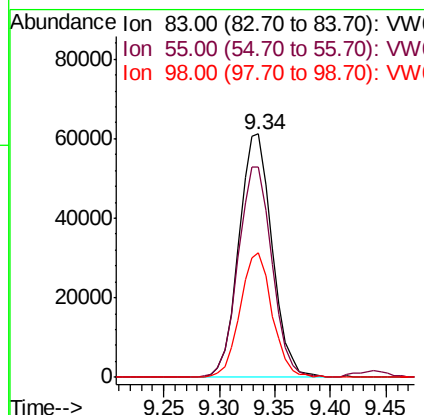
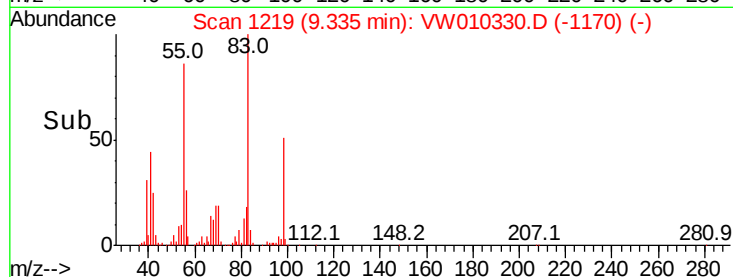
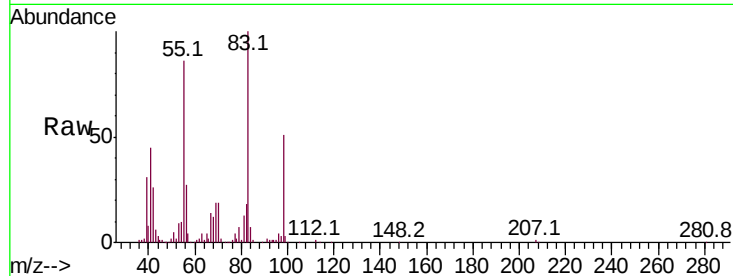
#39
Methvlcvclohexane
Concen: 5.605 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	67.1	100.7
98	51.1	39.2	58.8

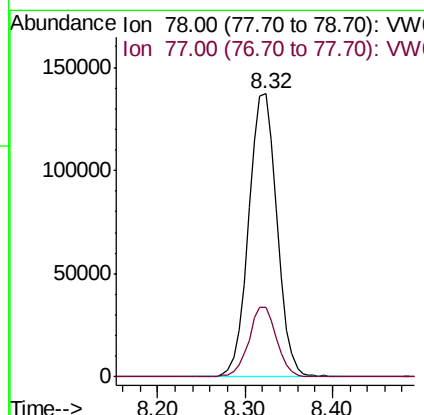
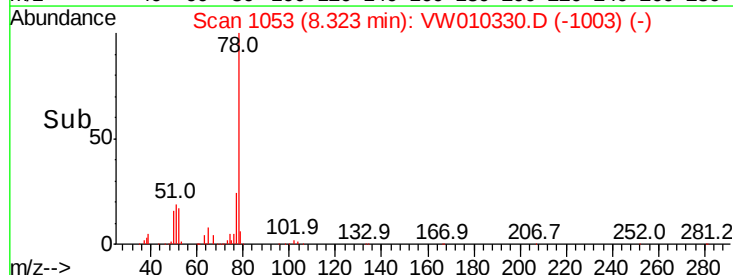
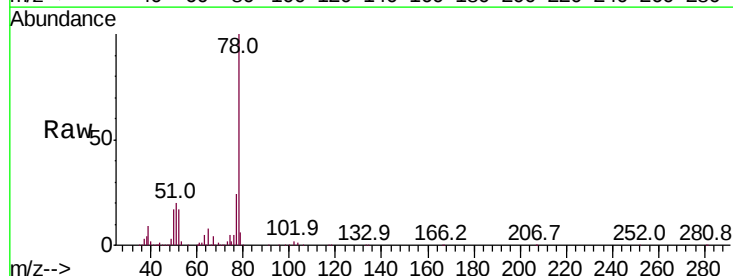
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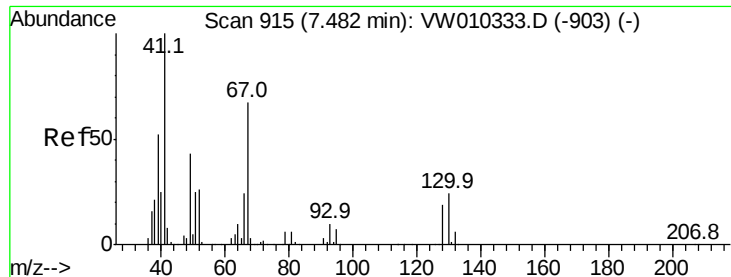
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#40
Benzene
Concen: 5.579 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





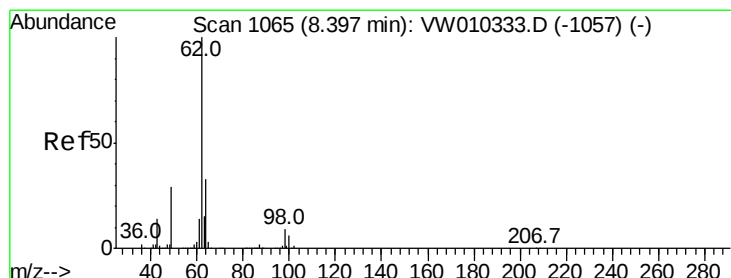
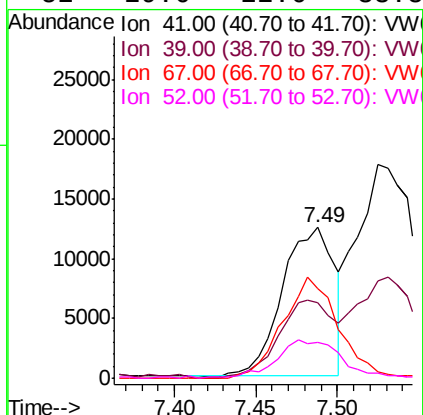
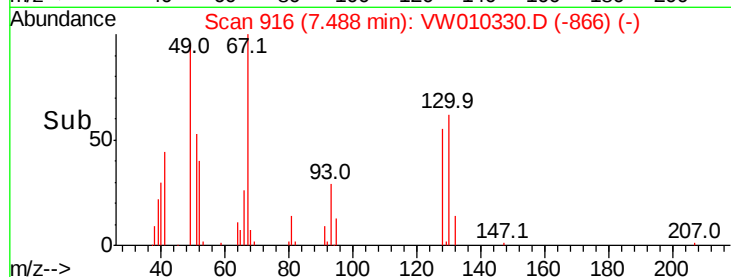
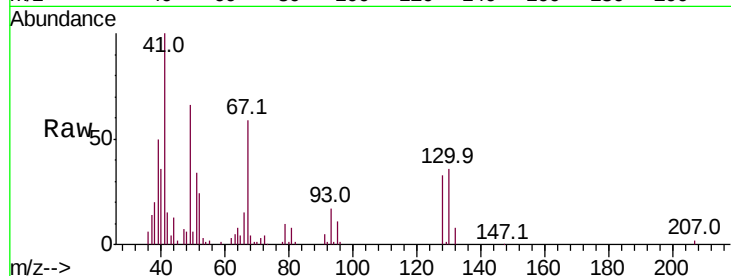
#41
Methacrylonitrile
Concen: 4.738 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.0	67.4
67	74.0	50.7	76.1
52	29.6	22.6	33.8

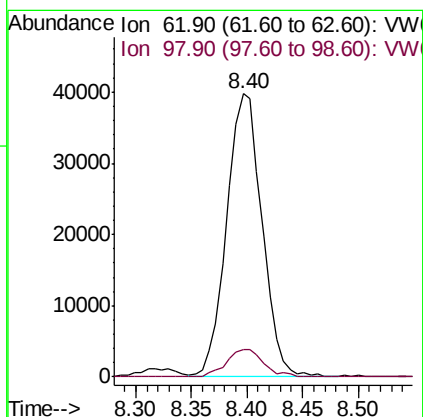
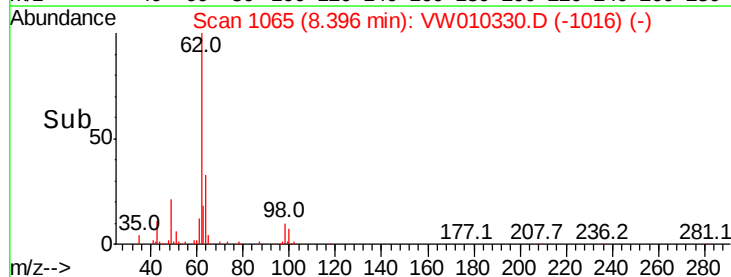
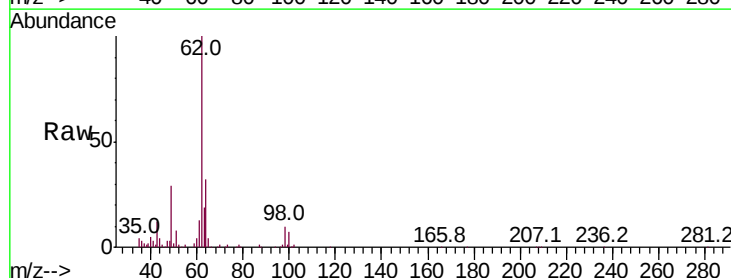
Manual Integrations
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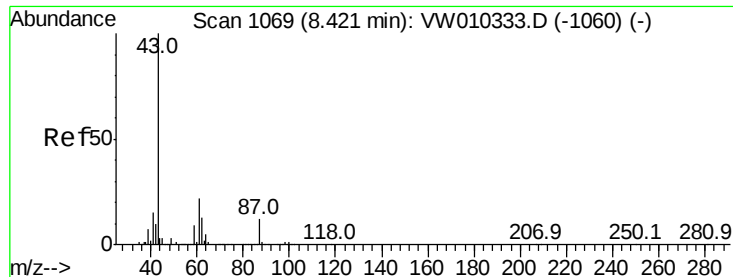
MMDadoda
5/10/2019 10:07:13 AM



#42
1,2-Dichloroethane
Concen: 4.632 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 4.487 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

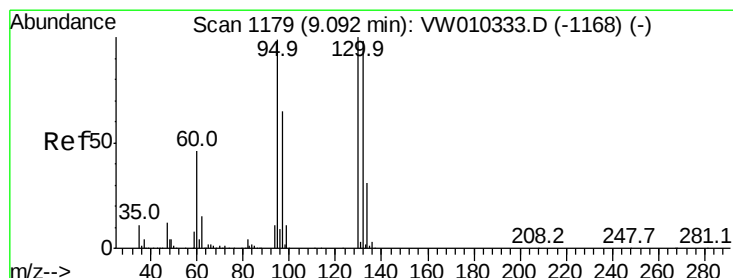
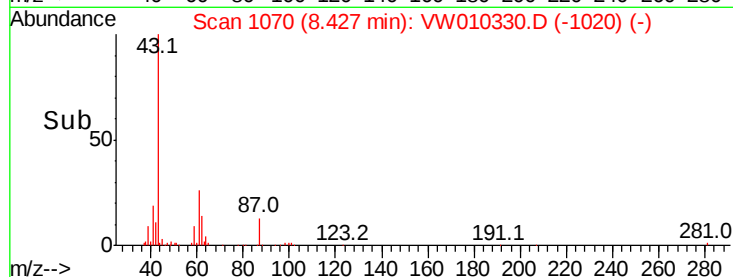
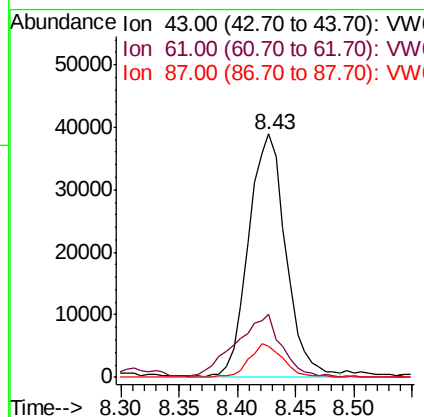
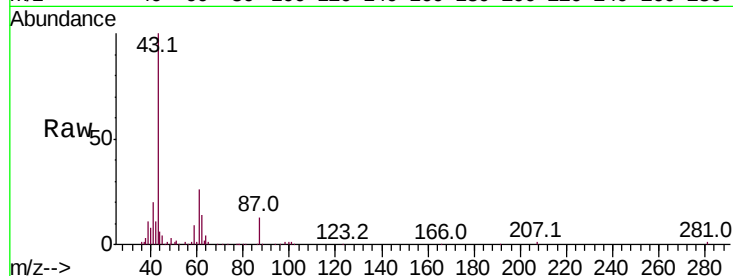
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	85989
Ion	Ratio	Lower	Upper
43	100		
61	31.7	23.0	34.6
87	13.0	9.3	13.9

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#44

Trichloroethene

Concen: 5.516 ug/l

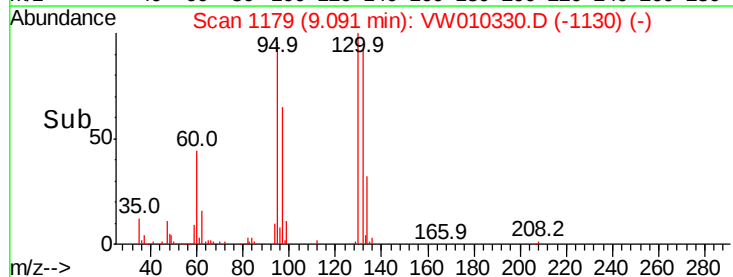
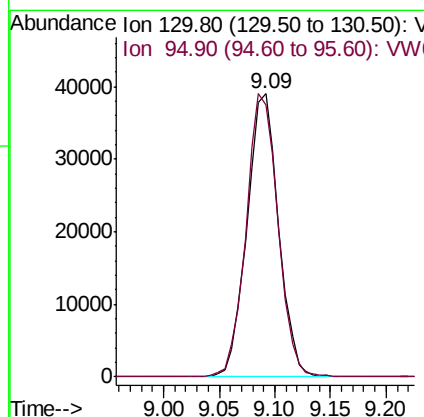
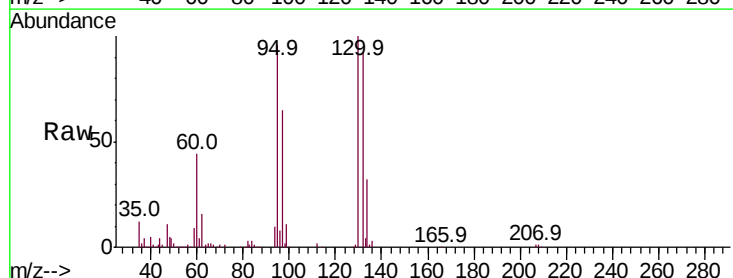
RT: 9.09 min Scan# 1179

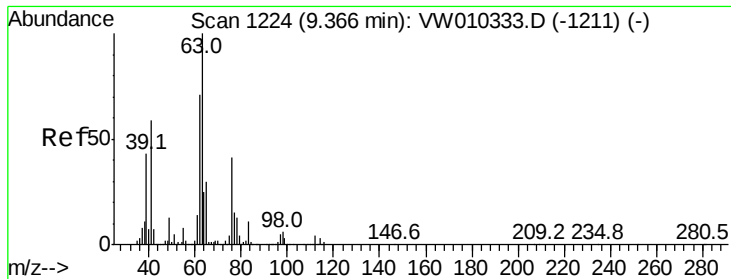
Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	130	Resp:	77094
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	205.4





#45

1,2-Dichloropropane

Concen: 5.169 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 74767

Ion Ratio Lower Upper

63 100

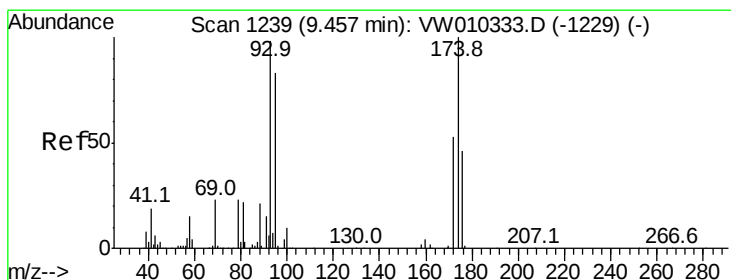
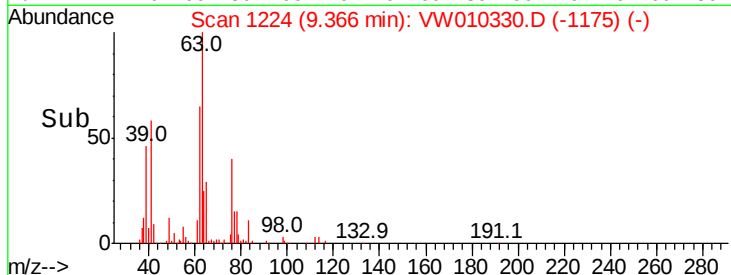
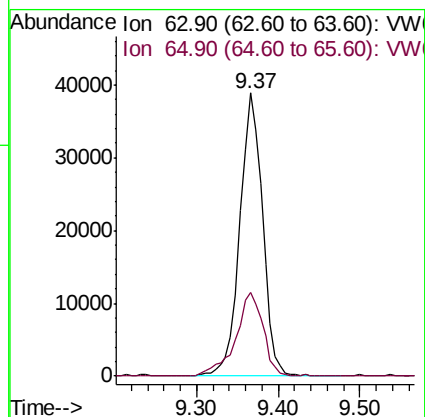
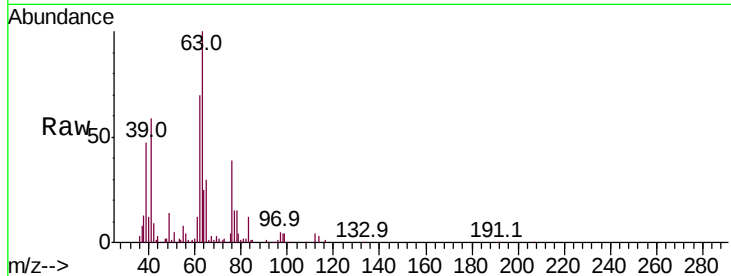
65 29.6 23.8 35.6

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#46

Dibromomethane

Concen: 5.174 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

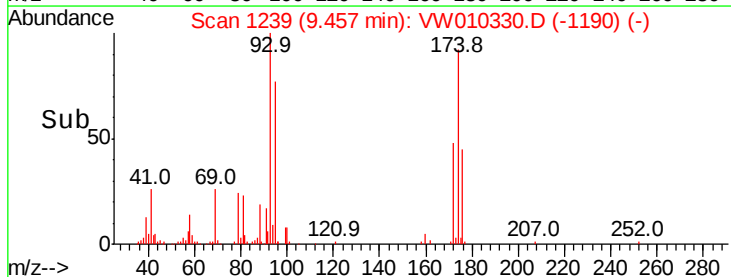
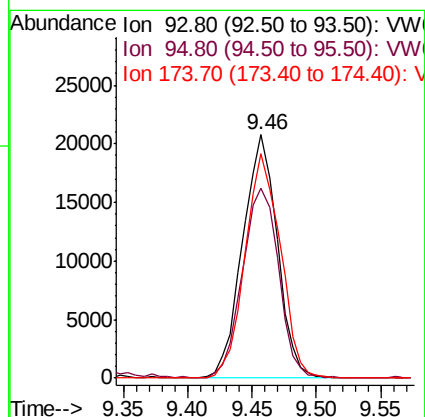
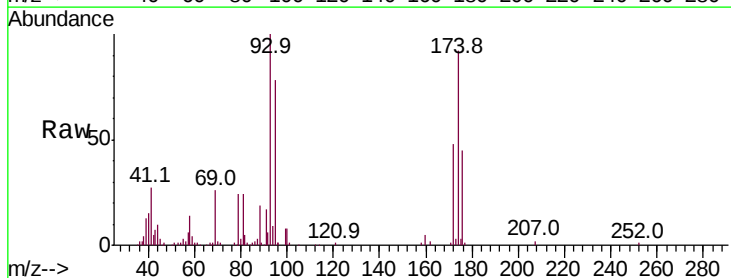
Tgt Ion: 93 Resp: 38788

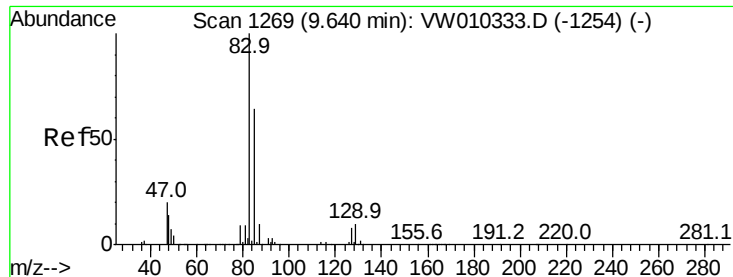
Ion Ratio Lower Upper

93 100

95 81.7 65.8 98.8

174 93.4 75.5 113.3





#47

Bromodichloromethane

Concen: 4.762 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

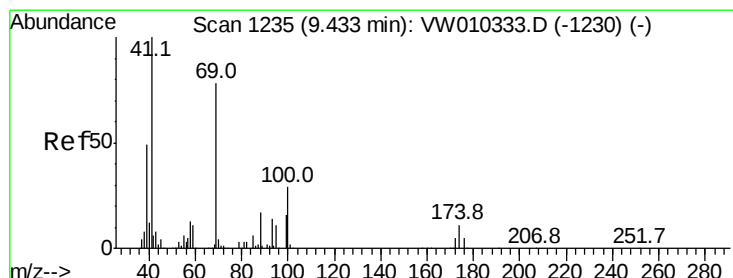
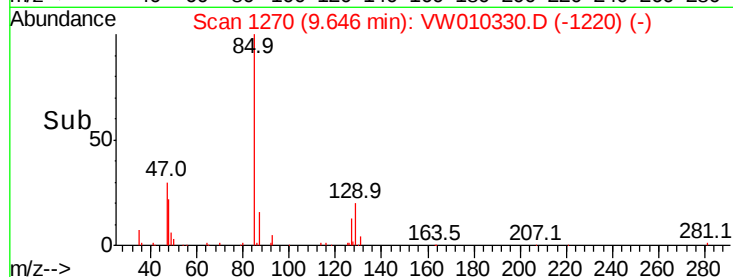
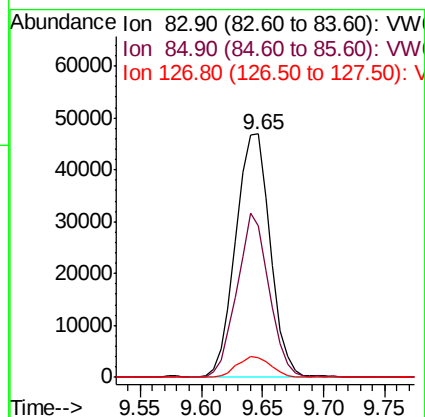
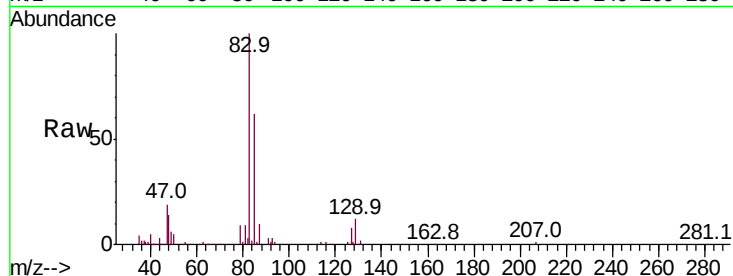
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	92160
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.6	75.8
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.191 ug/l

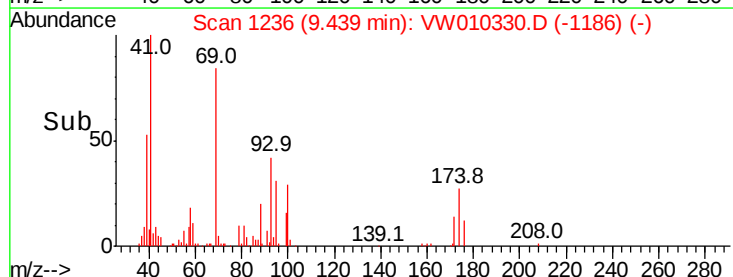
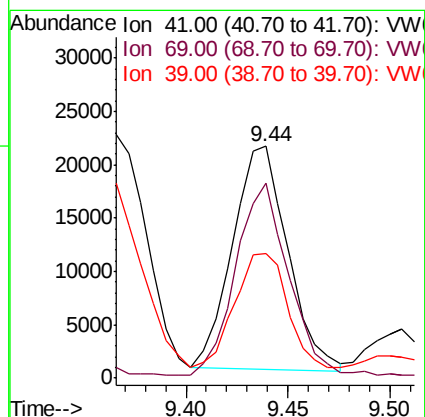
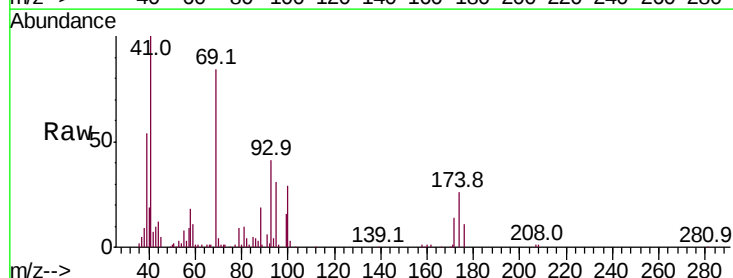
RT: 9.44 min Scan# 1236

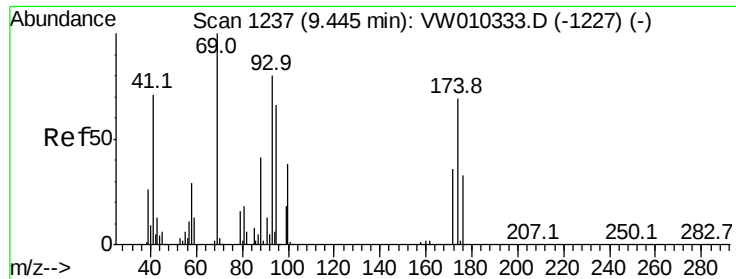
Delta R.T. 0.01 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	41	Resp:	39094
Ion Ratio	Lower	Upper	
41	100		
69	83.6	60.1	90.1
39	50.5	51.0	76.6#





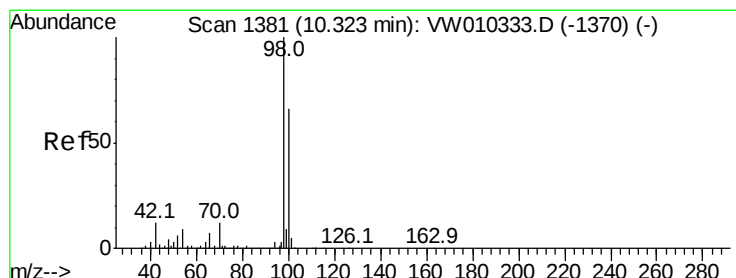
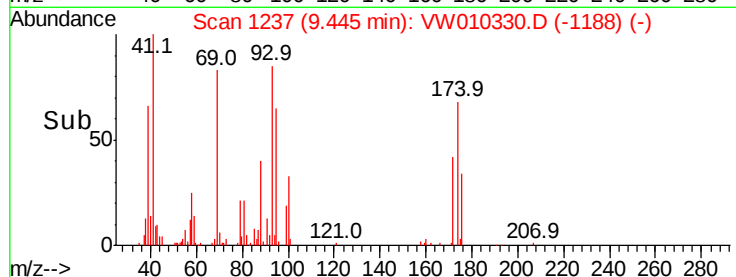
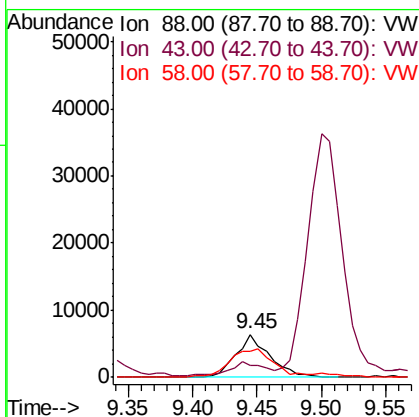
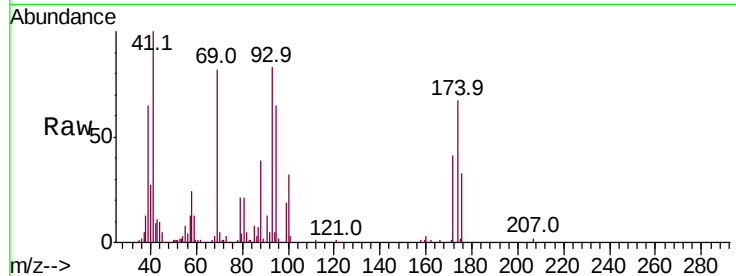
#49
1,4-Dioxane
Concen: 101.781 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	31.9	47.9#
58	83.9	61.8	92.6

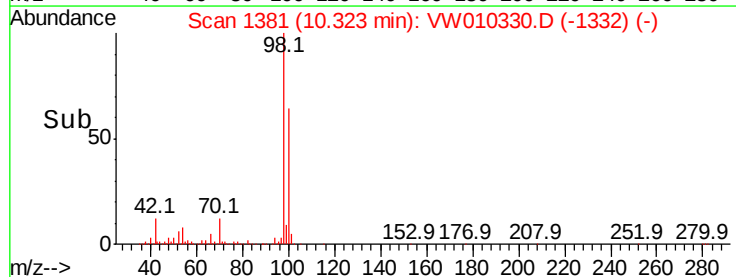
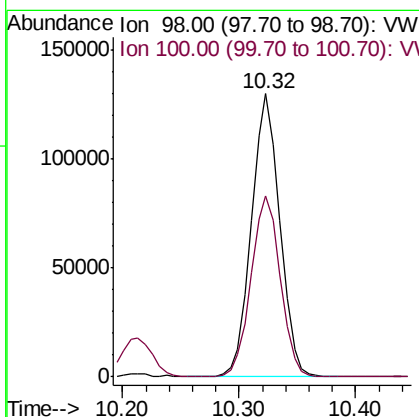
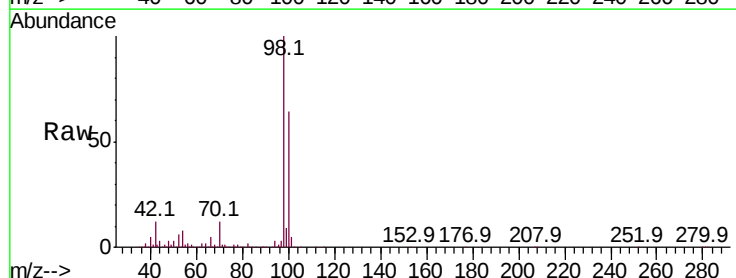
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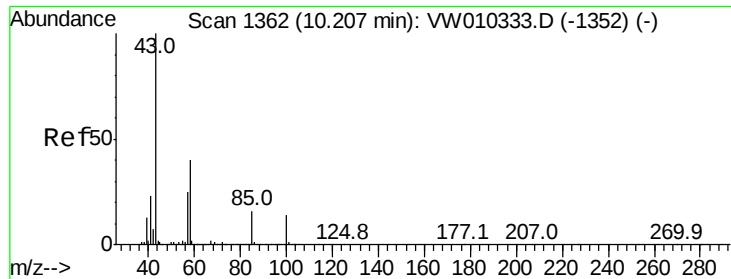
MMDadoda
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#50
Toluene-d8
Concen: 4.708 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





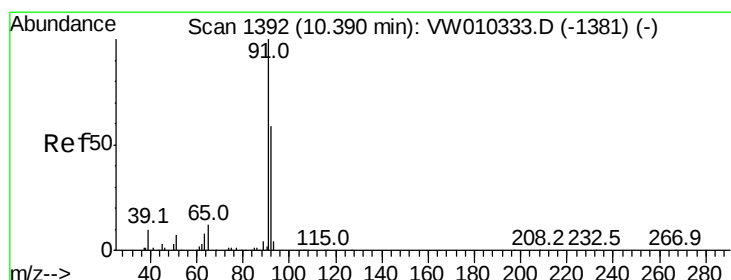
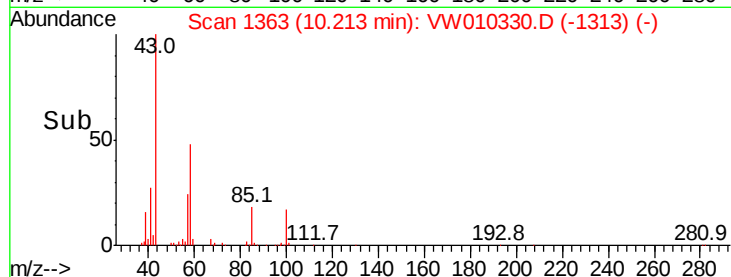
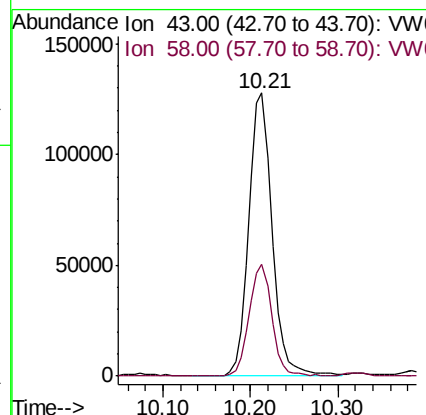
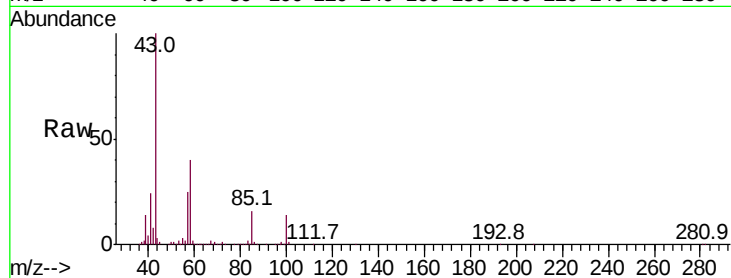
#51
4-Methyl-2-Pentanone
Concen: 23.569 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 236565
Ion Ratio Lower Upper
43 100
58 38.6 28.9 43.3

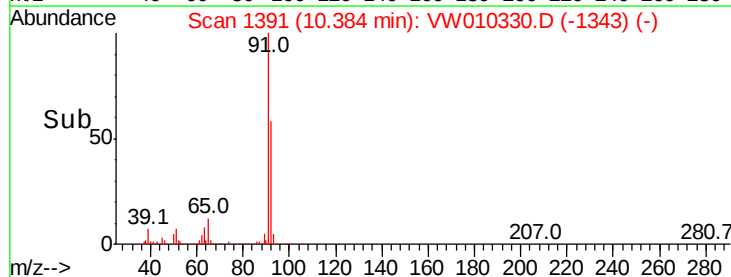
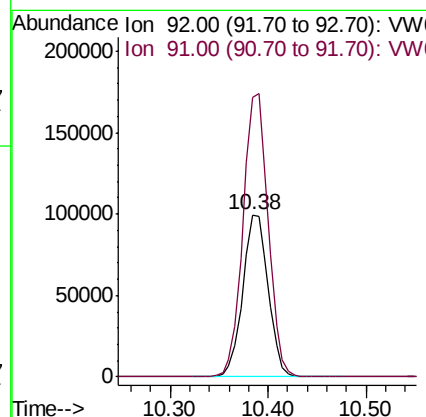
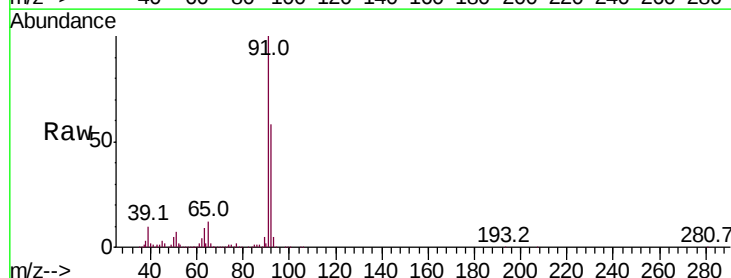
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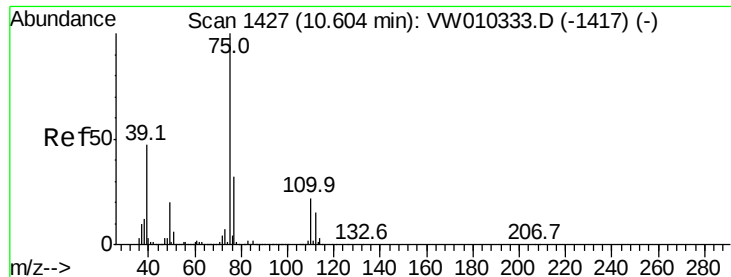
MMDadoda
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#52
Toluene
Concen: 5.220 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion: 92 Resp: 178939
Ion Ratio Lower Upper
92 100
91 173.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 4.274 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 82007

Ion Ratio Lower Upper

75 100

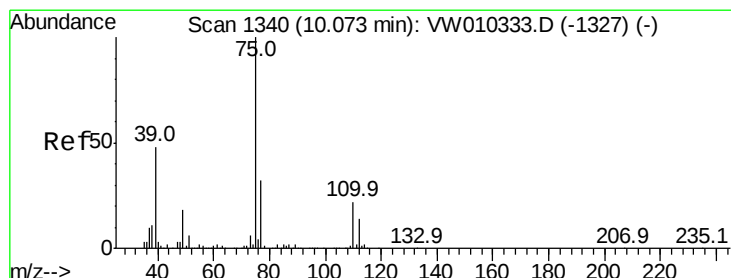
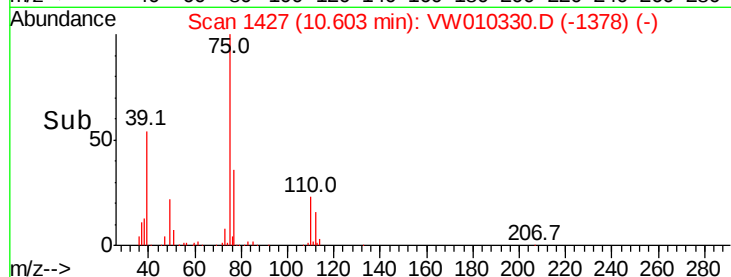
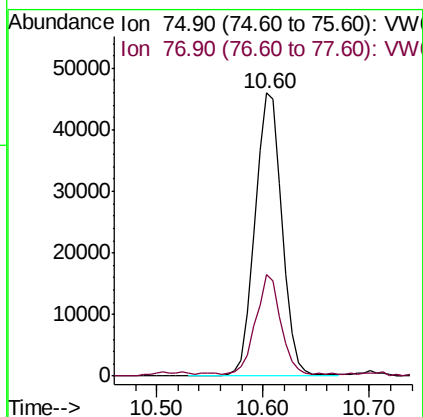
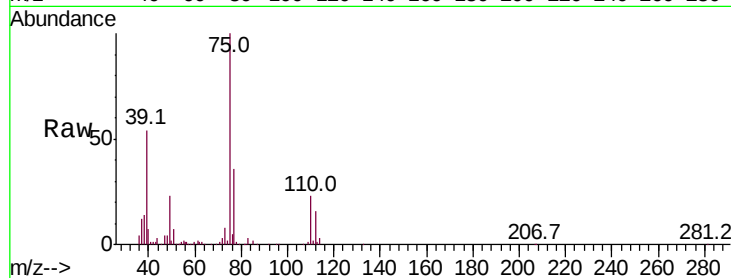
77 35.2 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 4.646 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

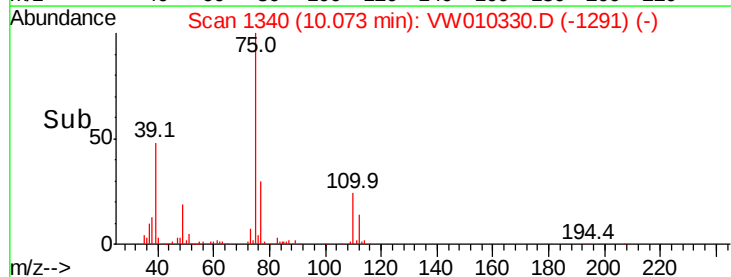
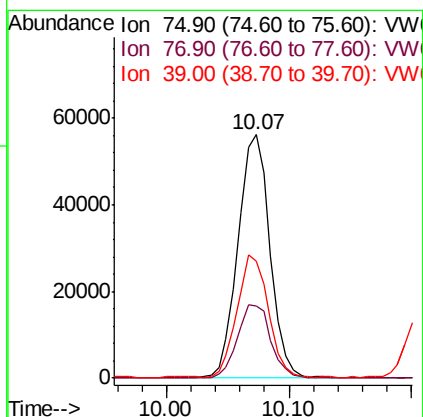
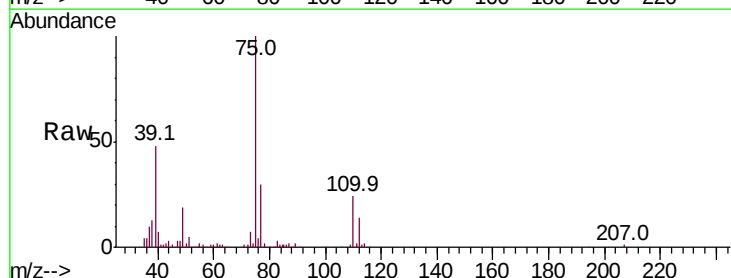
Tgt Ion: 75 Resp: 101779

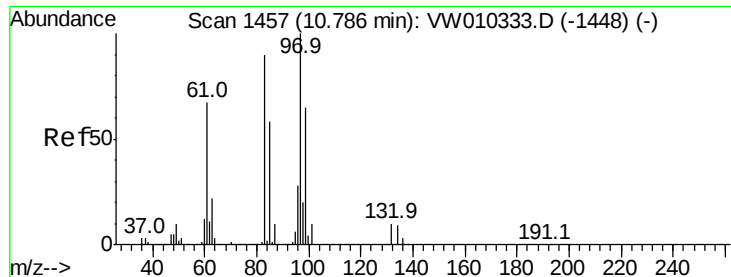
Ion Ratio Lower Upper

75 100

77 29.5 25.6 38.4

39 47.8 47.8 71.6





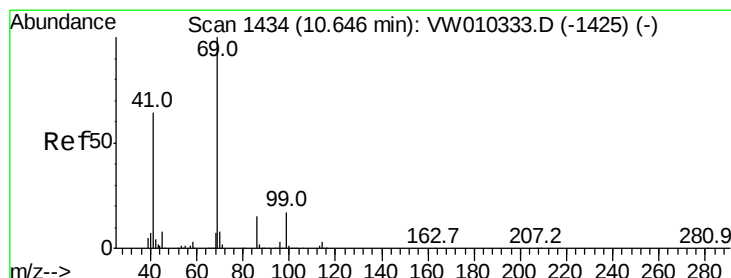
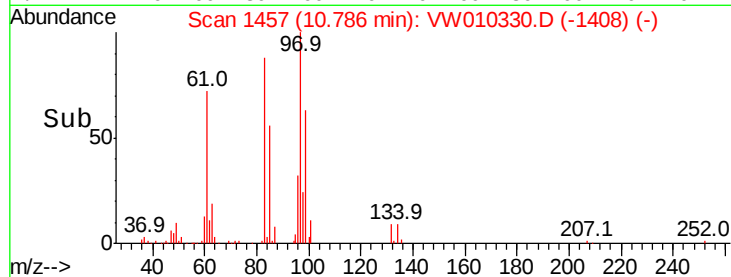
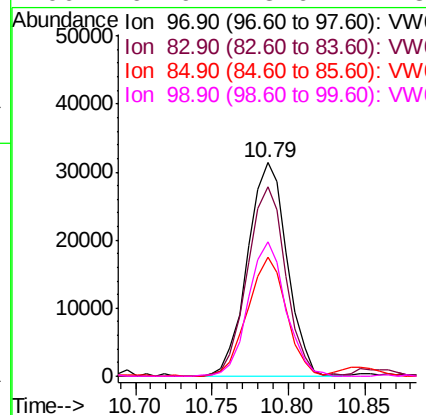
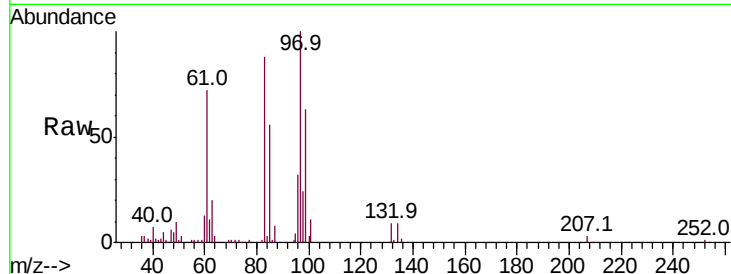
#55
 1,1,2-Trichloroethane
 Concen: 5.394 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	97	Resp	56441
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.9	103.3
85	55.9	42.9	64.3
99	62.9	48.6	72.8

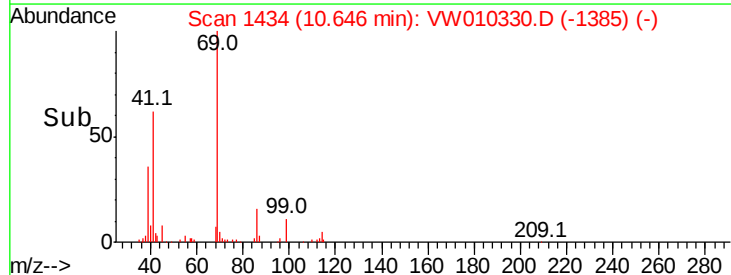
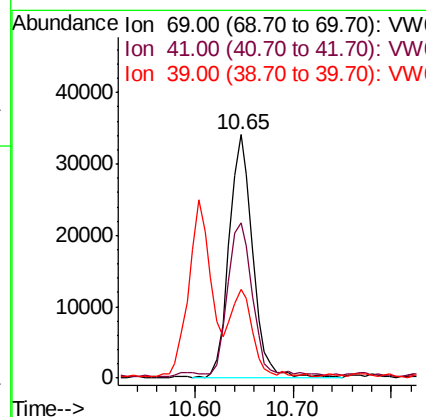
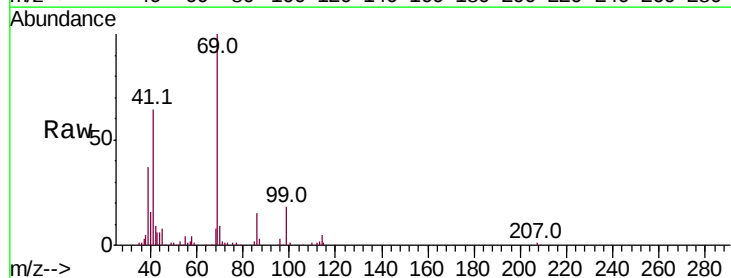
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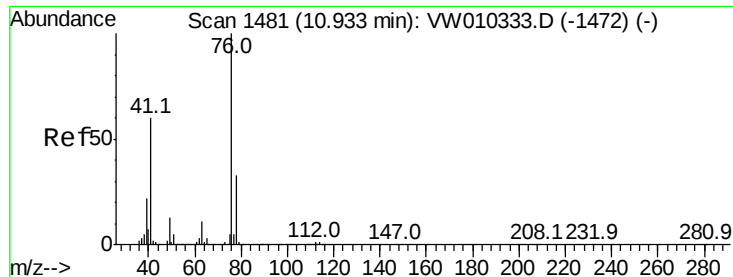
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.345 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	69	Resp	56526
Ion	Ratio	Lower	Upper
69	100		
41	66.7	61.0	91.6
39	32.3	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 5.078 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 95241

Ion Ratio Lower Upper

76 100

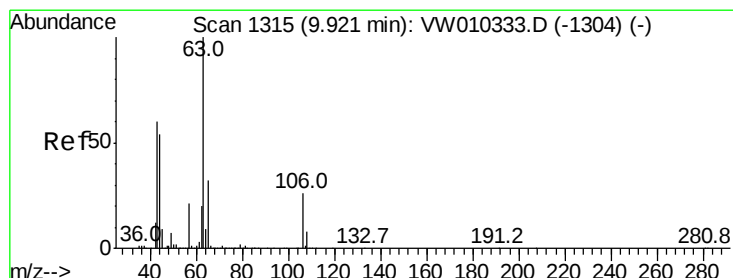
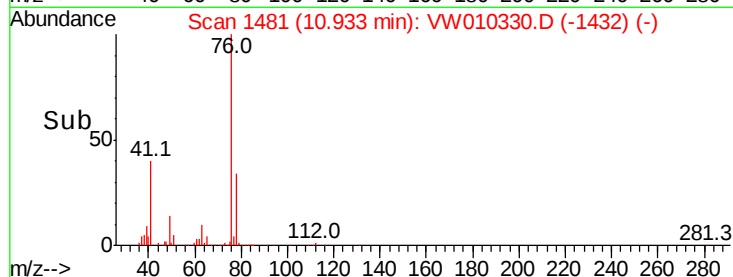
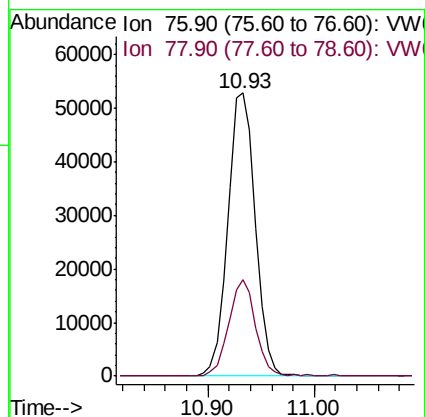
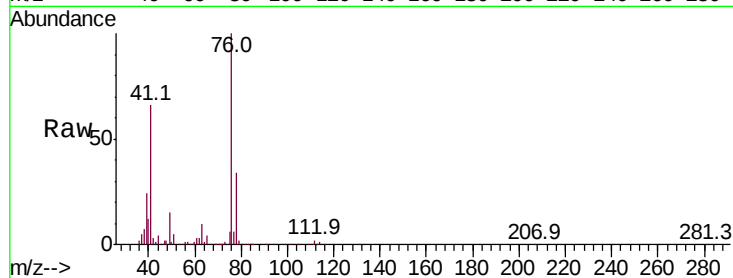
78 33.1 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 22.960 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010330.D

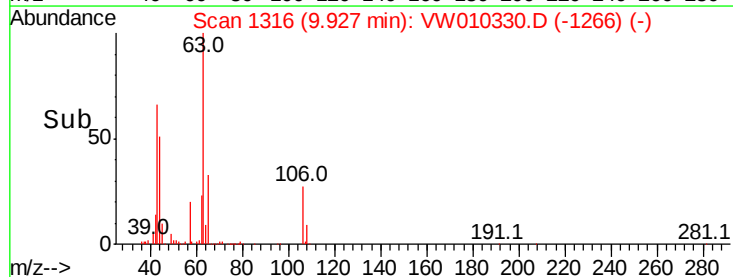
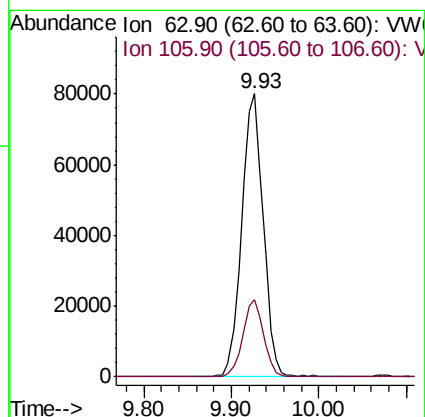
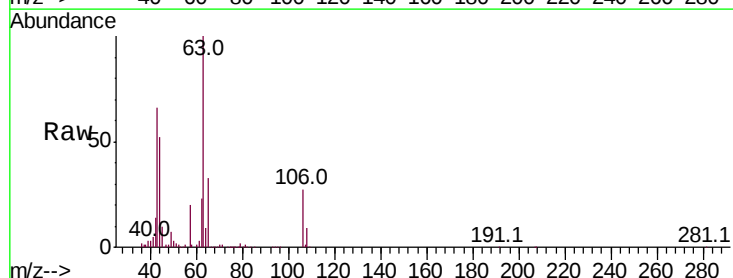
Acq: 09 May 2019 11:09

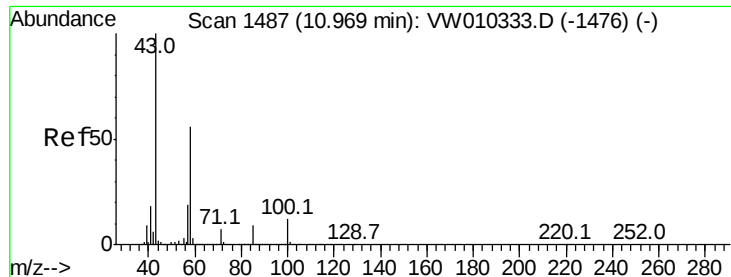
Tgt Ion: 63 Resp: 137544

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.0





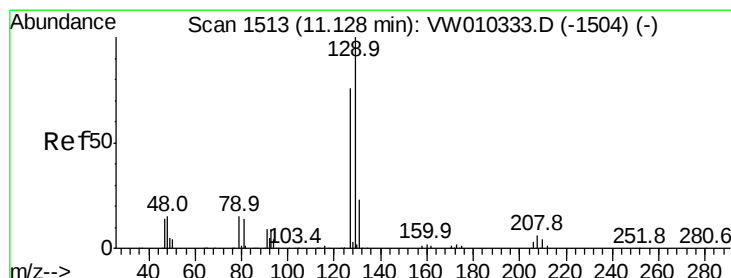
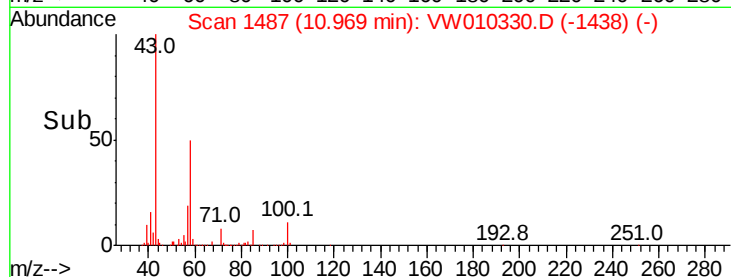
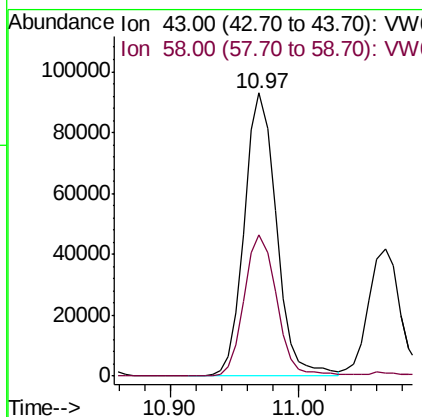
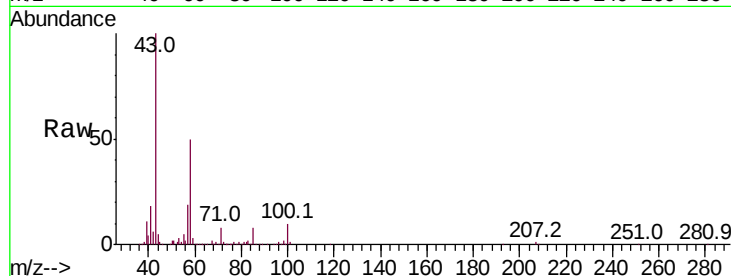
#59
2-Hexanone
Concen: 22.797 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	100	50.8	Resp	159279	Lower	24.9	Upper	74.7
Ion	43	58	Ratio	100	50.8	Resp	159279	Lower	24.9	Upper	74.7

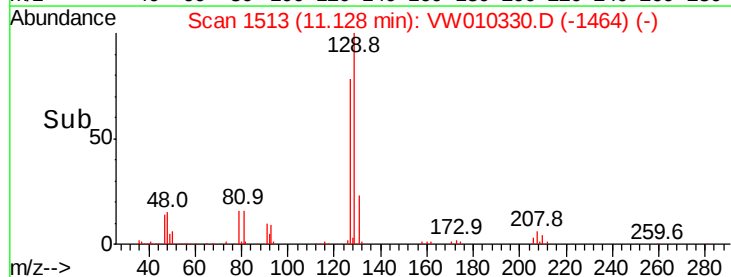
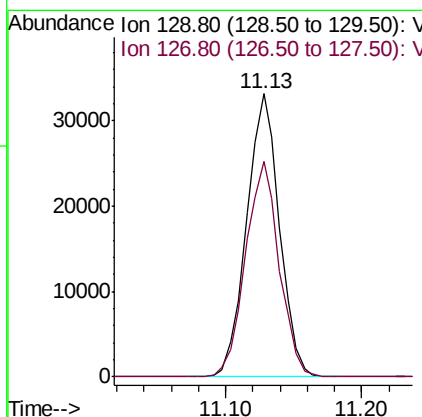
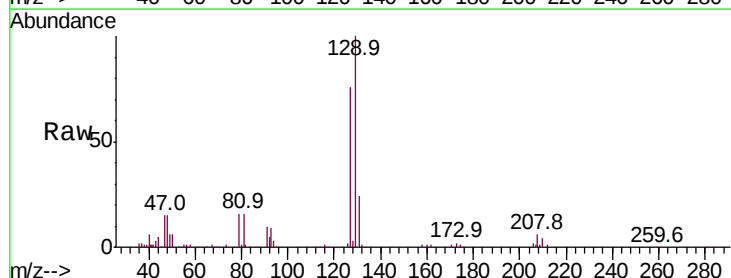
Manual Integrations
APPROVED

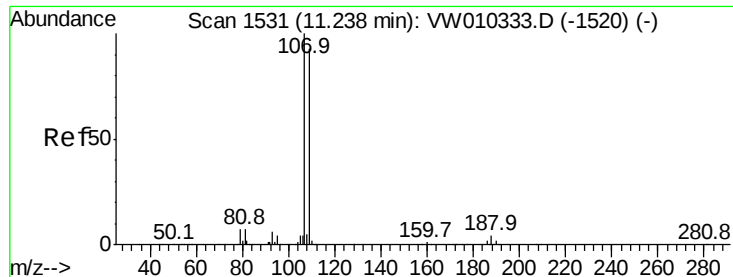
MMDadoda
5/10/2019 10:07:13 AM



#60
Dibromochloromethane
Concen: 4.630 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	129	127	Ratio	100	77.9	Resp	56000	Lower	38.6	Upper	116.0
Ion	129	127	Ratio	100	77.9	Resp	56000	Lower	38.6	Upper	116.0





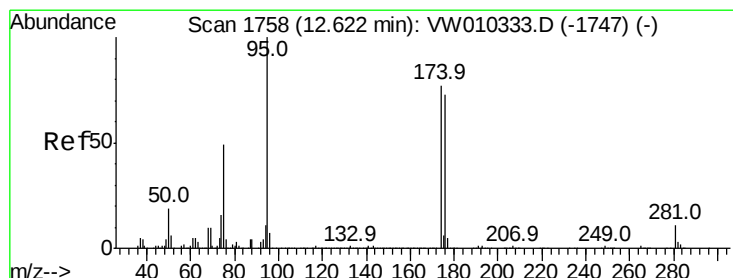
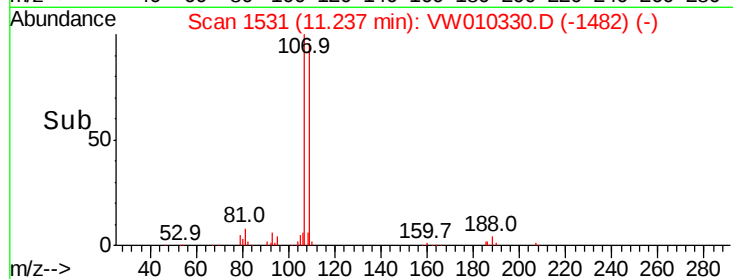
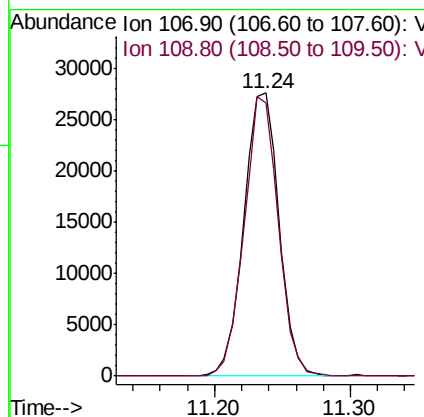
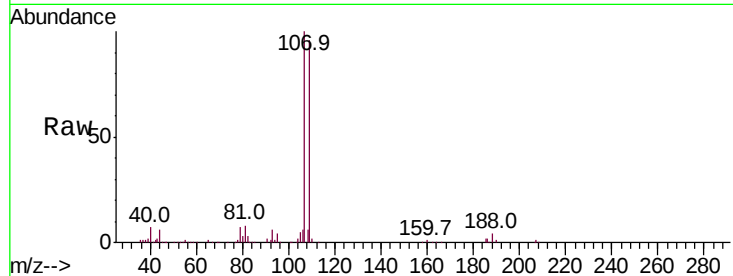
#61
 1,2-Dibromoethane
 Concen: 5.046 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 50226
 Ion Ratio Lower Upper
 107 100
 109 95.2 73.6 110.4

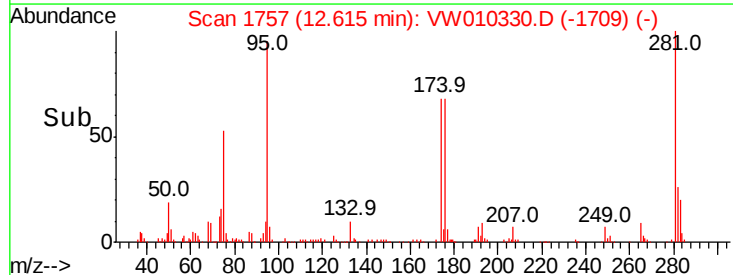
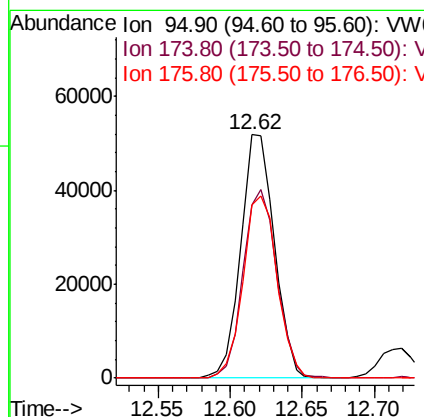
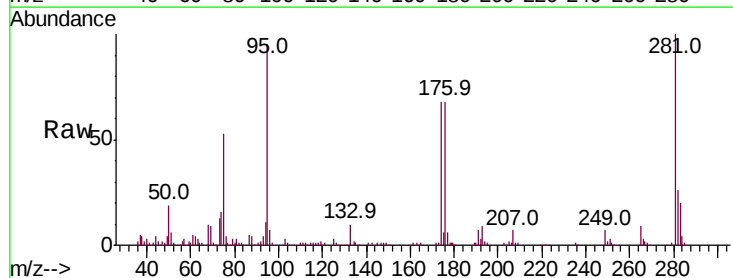
Manual Integrations
 APPROVED

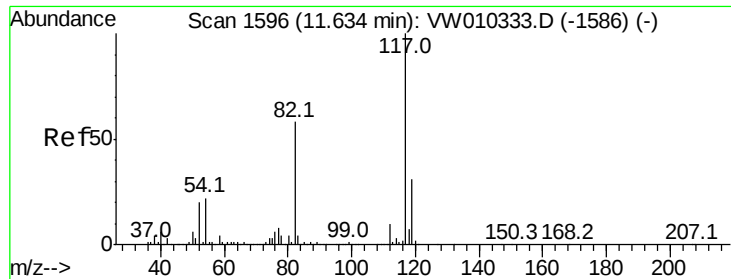
MMDadoda
 5/10/2019 10:07:13 AM



#62
 4-Bromofluorobenzene
 Concen: 4.927 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion: 95 Resp: 84071
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 151.4
 176 75.7 0.0 146.2





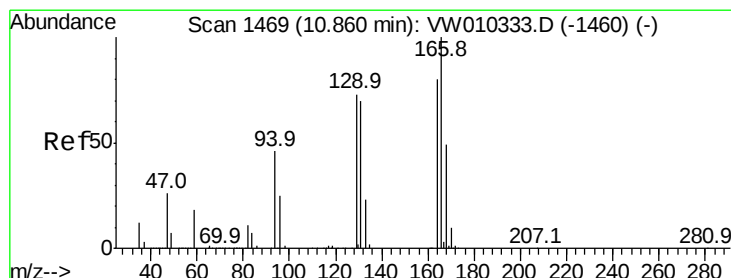
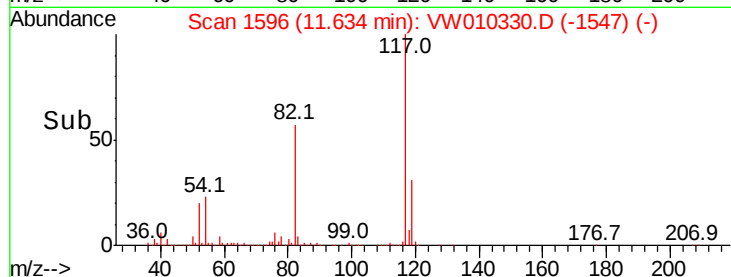
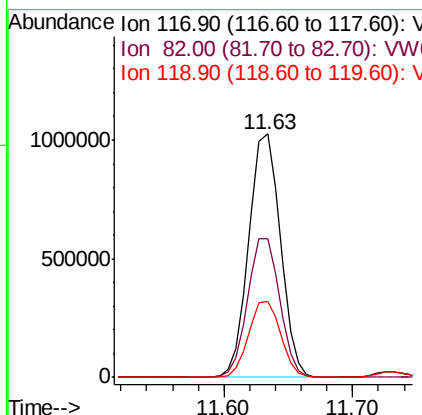
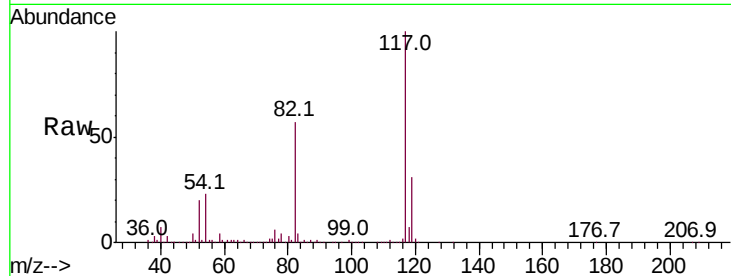
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.2	67.8
119	31.4	25.4	38.2

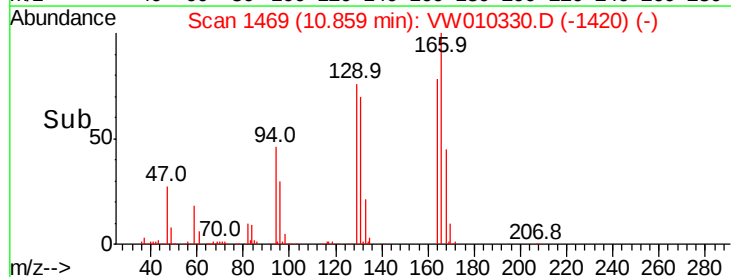
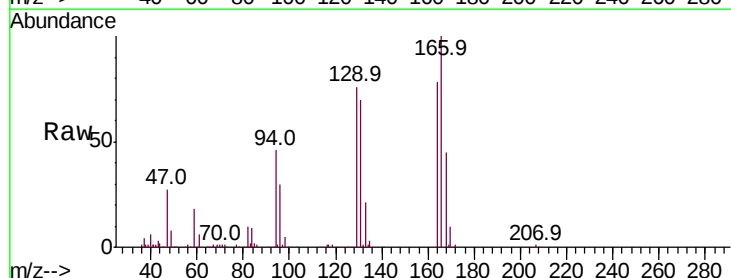
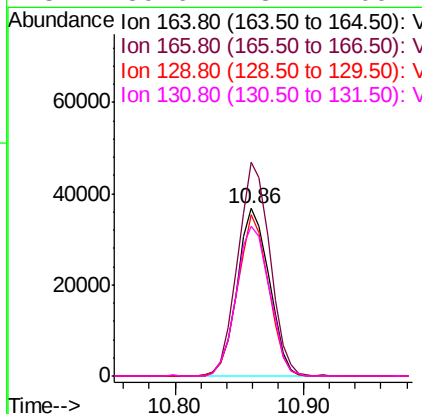
Manual Integrations
APPROVED

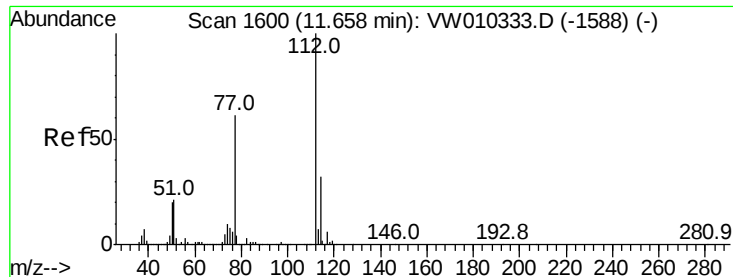
MMDadoda
5/10/2019 10:07:13 AM



#64
Tetrachloroethene
Concen: 5.593 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.2	151.8
129	96.6	77.8	116.6
131	89.6	73.1	109.7





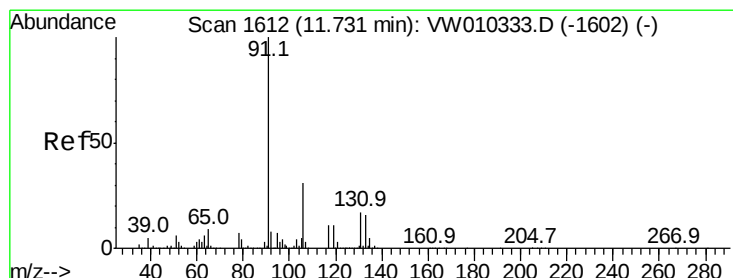
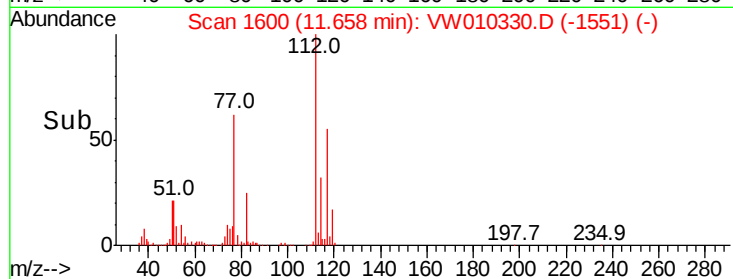
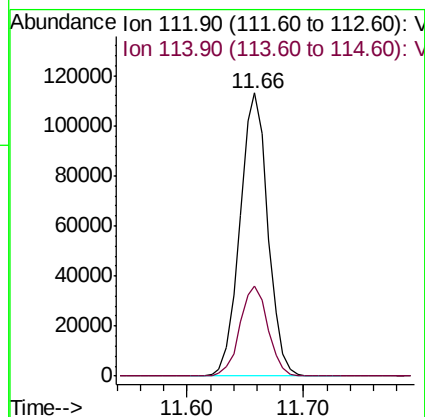
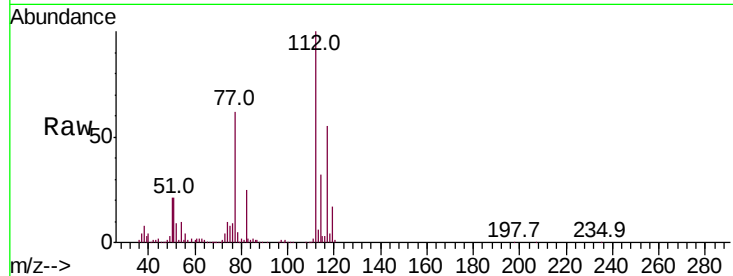
#65
Chlorobenzene
Concen: 5.298 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7

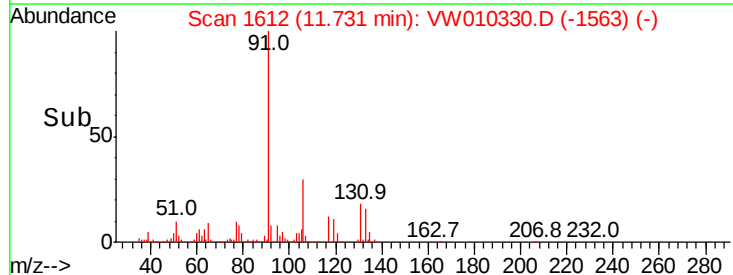
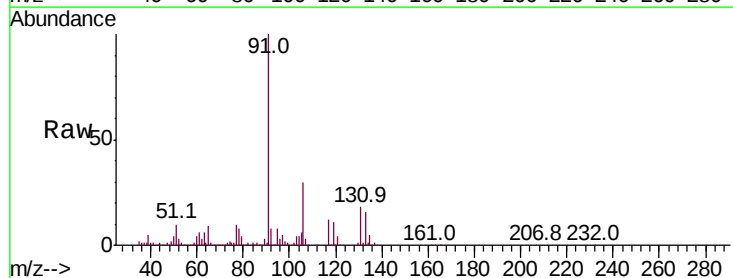
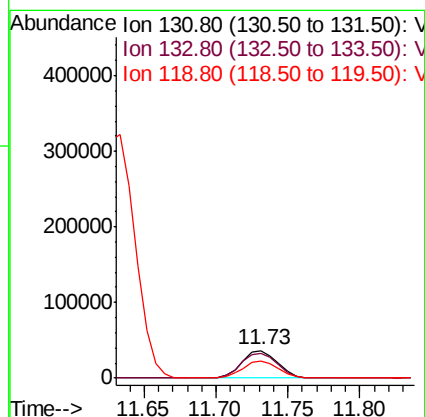
Manual Integrations
APPROVED

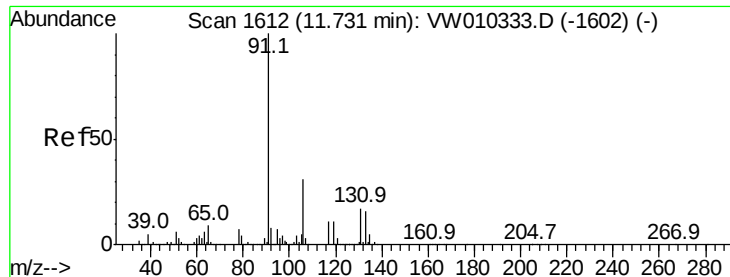
MMDadoda
5/10/2019 10:07:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.884 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	46.5	139.5
119	63.2	31.9	95.5





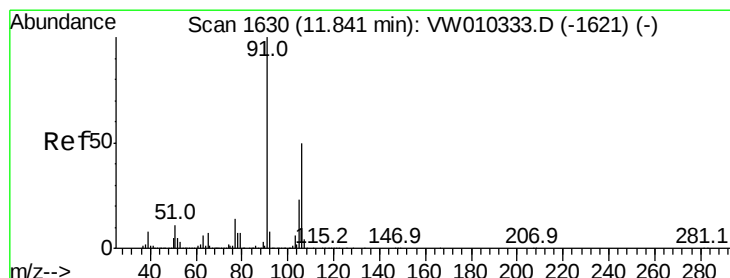
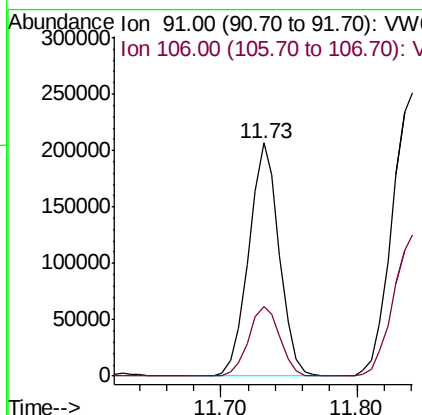
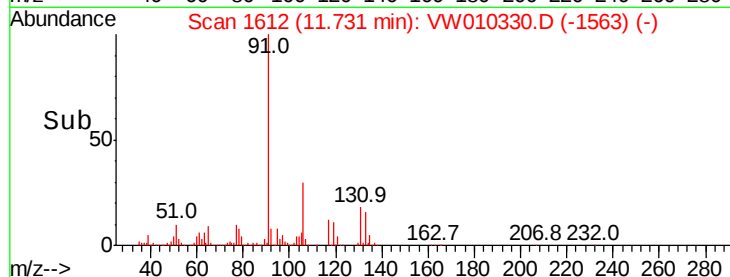
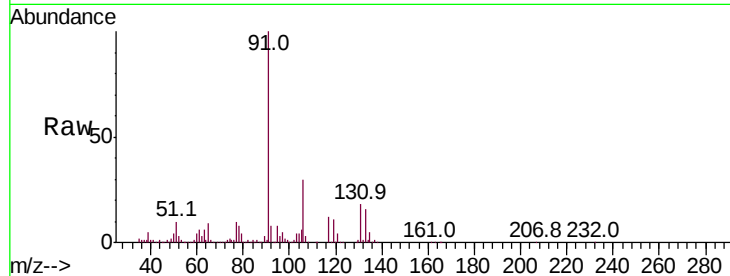
#67
Ethyl Benzene
Concen: 5.084 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.8

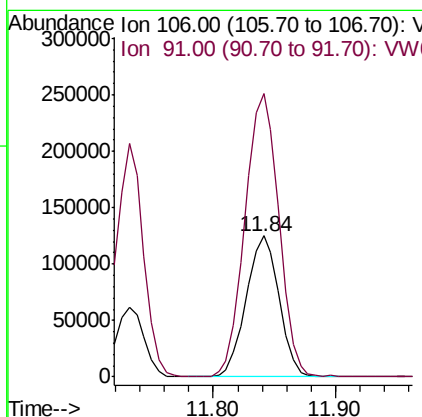
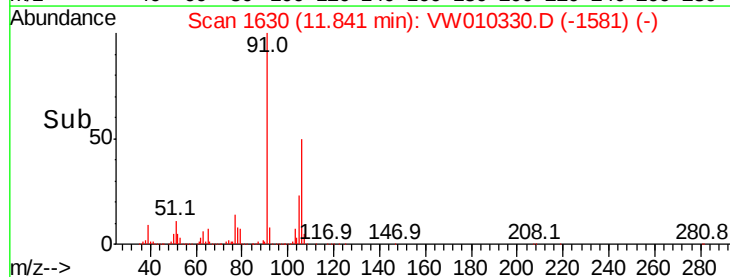
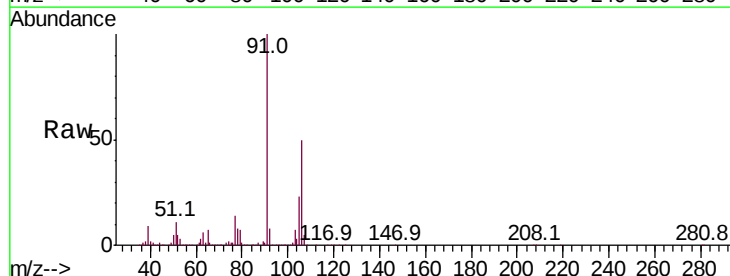
Manual Integrations
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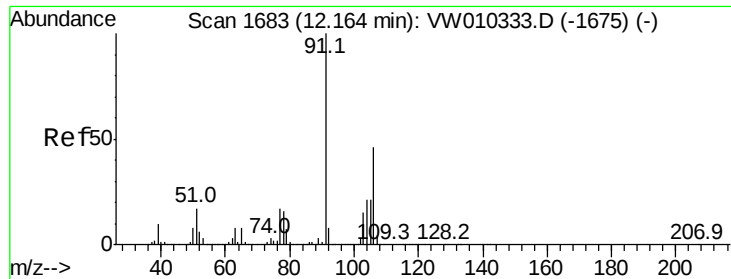
MMDadoda
5/10/2019 10:07:13 AM



#68
m/p-Xylenes
Concen: 9.807 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.8	165.0	247.6





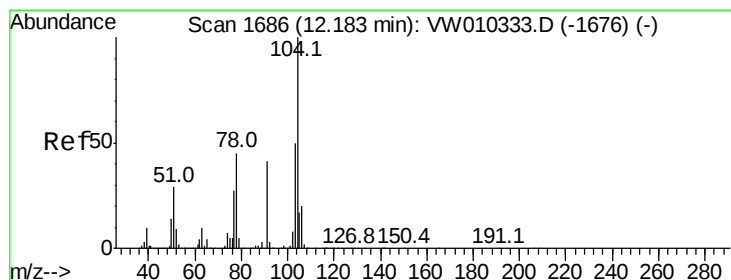
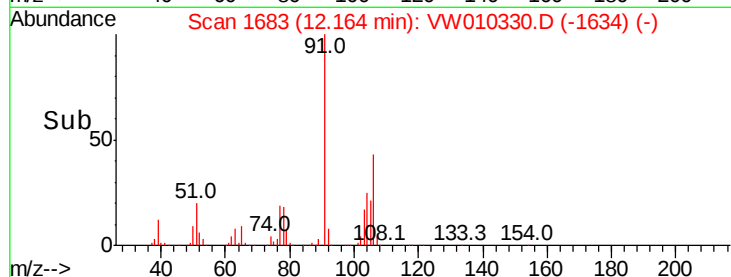
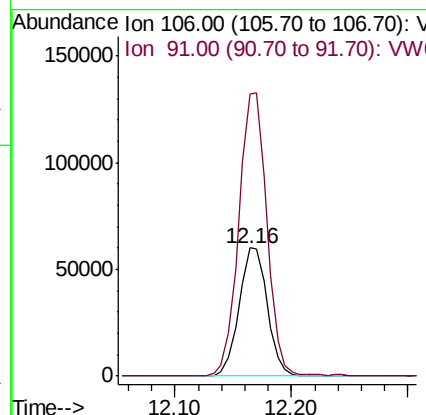
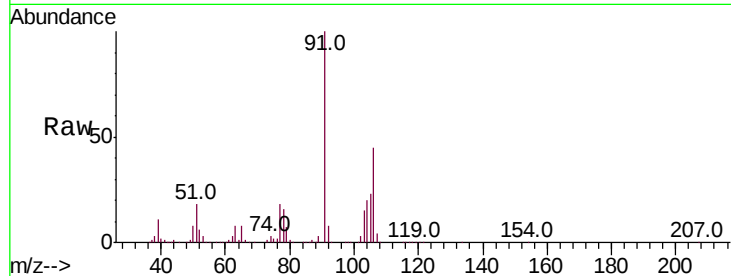
#69
o-Xylene
Concen: 4.695 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
106	100	101750		
91	220.7	110.5	331.4	

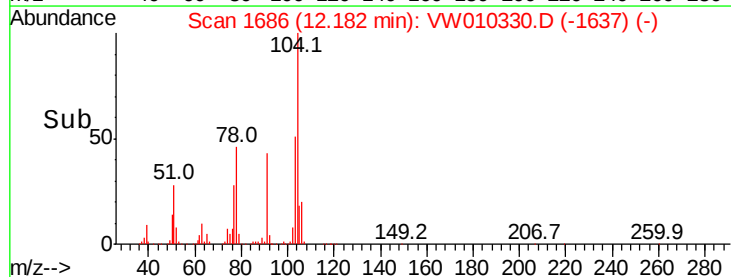
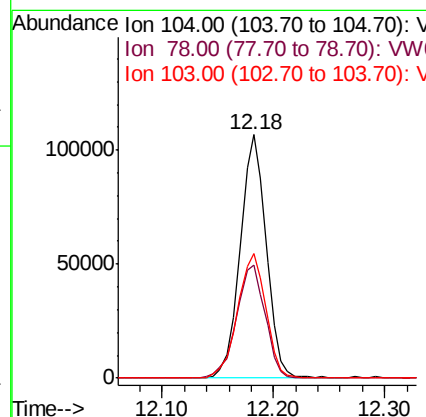
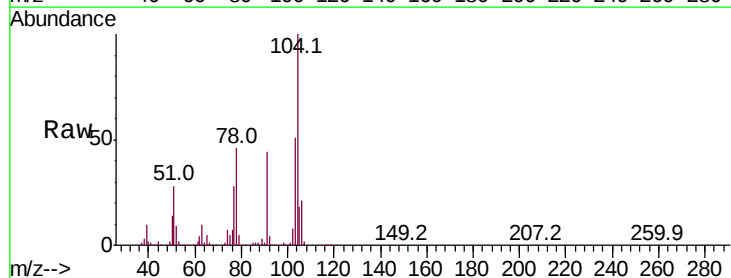
Manual Integrations
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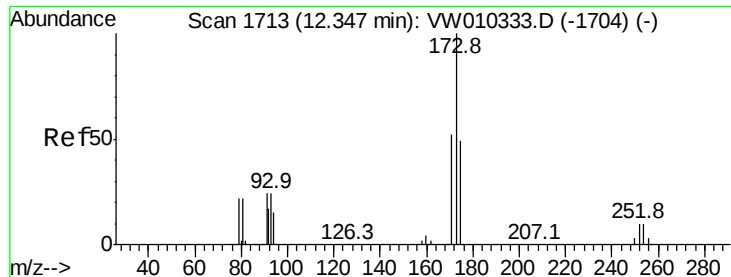
MMDadoda
5/10/2019 10:07:13 AM



#70
Styrene
Concen: 4.618 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	172546		
78	51.2	42.5	63.7	
103	55.9	43.6	65.4	





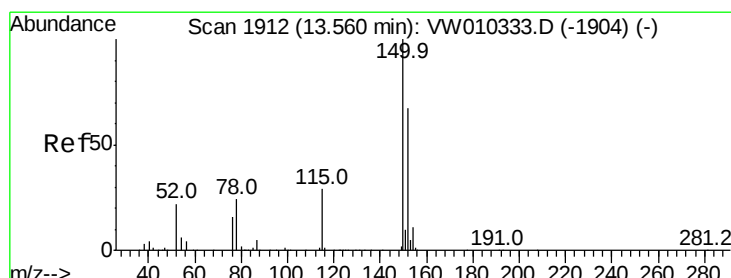
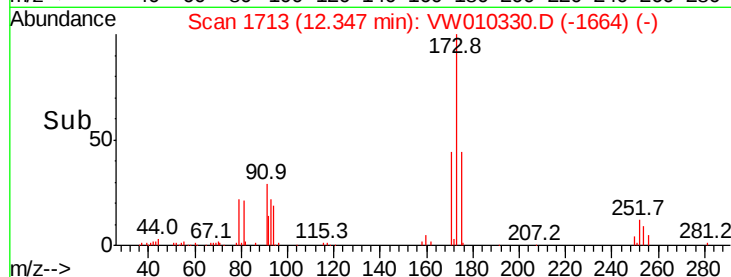
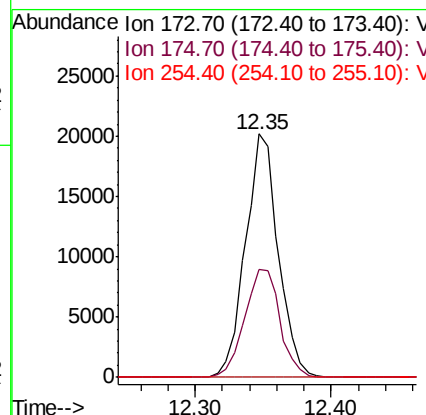
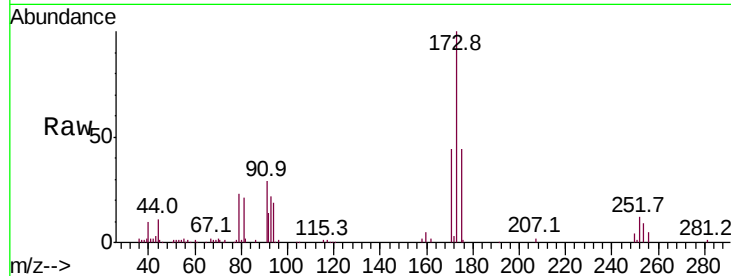
#71
Bromoform
Concen: 5.032 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	0.0	0.1	0.1#

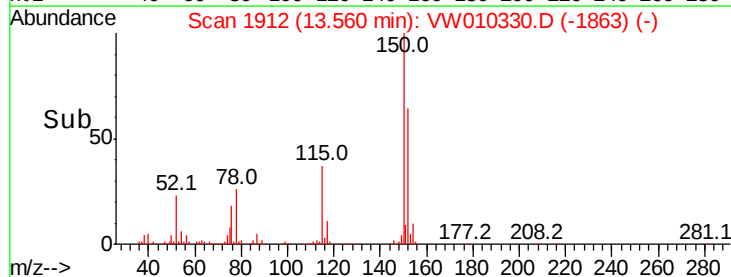
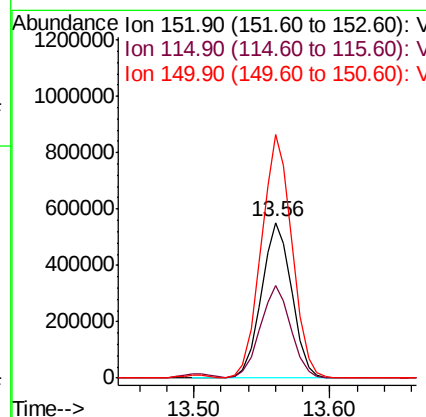
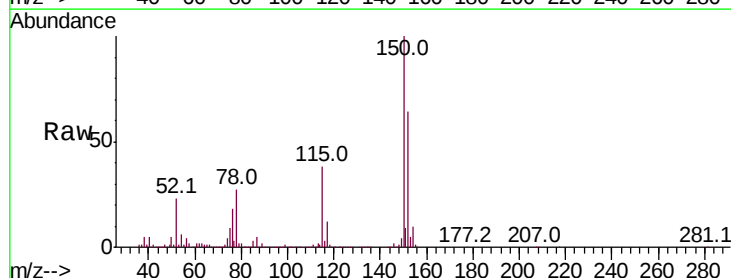
Manual Integrations
APPROVED

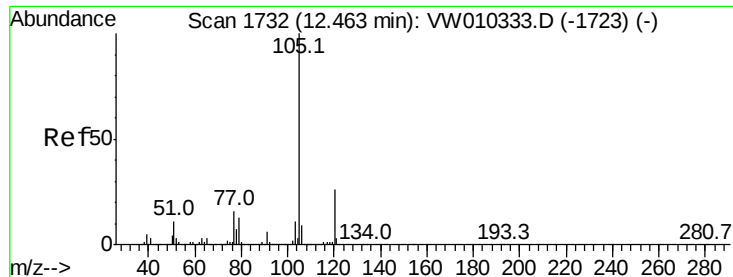
MMDadoda
5/10/2019 10:07:13 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.2
150	158.7	0.0	347.0





#73

Isopropylbenzene

Concen: 4.772 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 286238

Ion Ratio Lower Upper

105 100

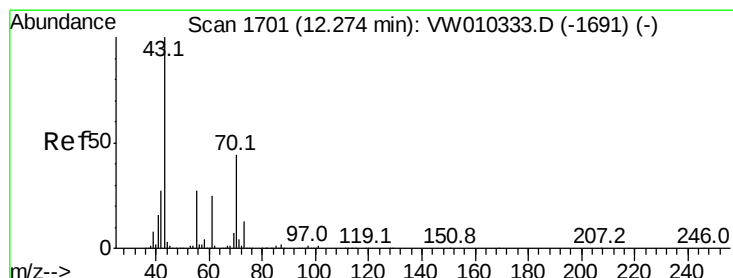
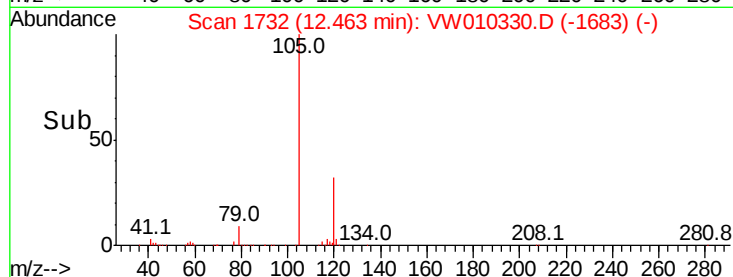
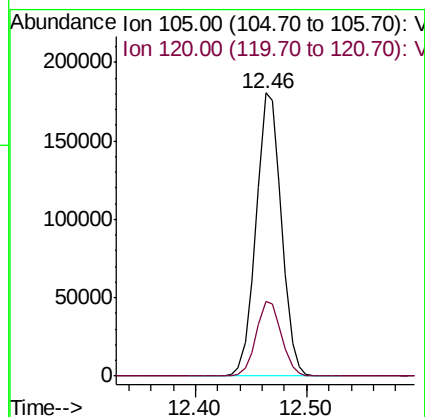
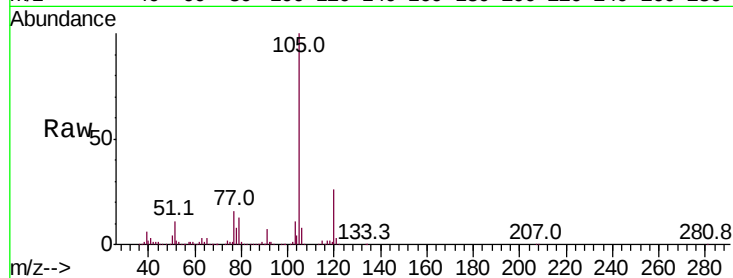
120 26.5 13.1 39.1

Manual Integrations

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5/10/2019 10:07:13 AM



#74

N-ethyl acetate

Concen: 3.930 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion: 43 Resp: 65286

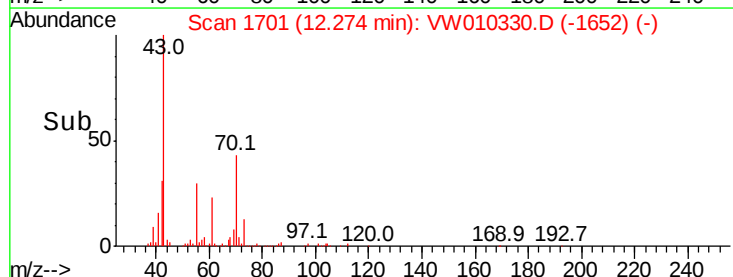
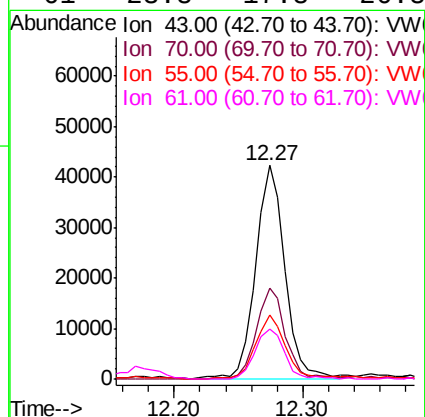
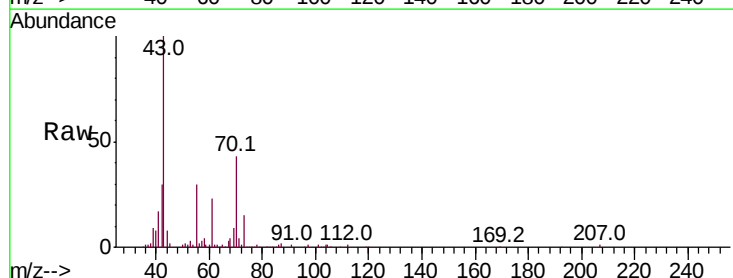
Ion Ratio Lower Upper

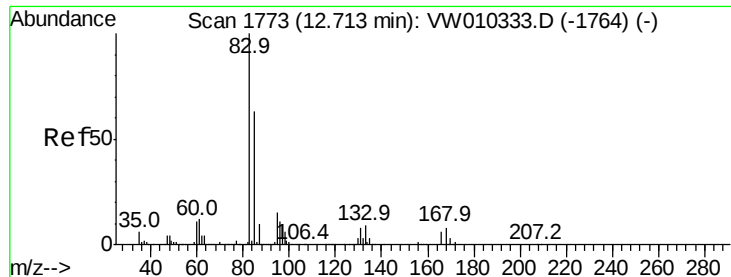
43 100

70 42.9 31.3 46.9

55 30.8 20.0 30.0#

61 23.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.879 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 69672

Ion Ratio Lower Upper

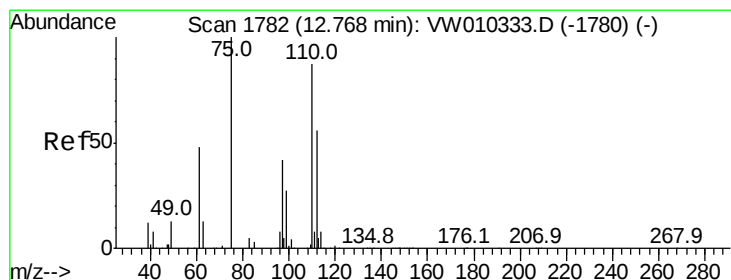
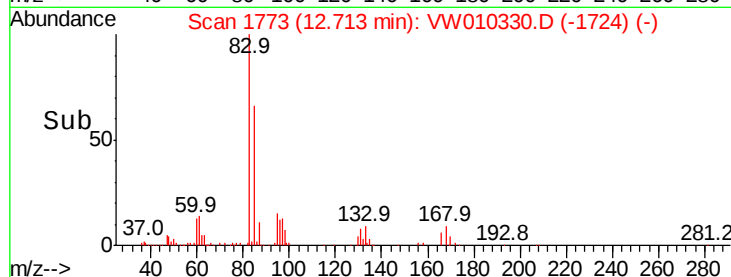
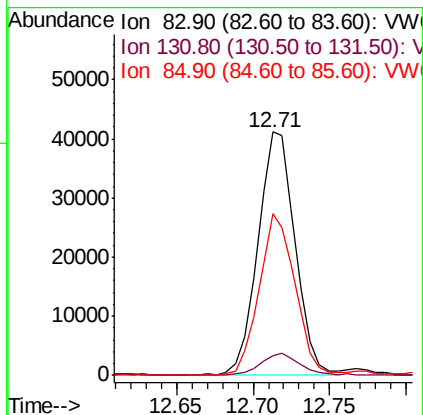
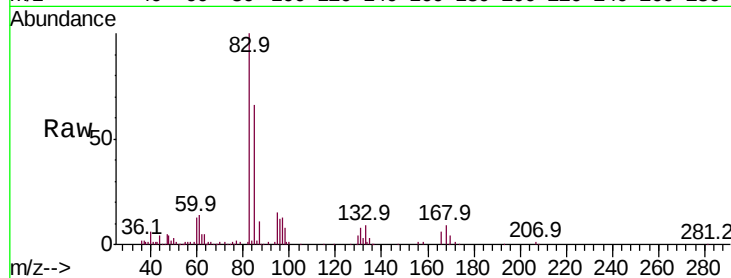
83 100

131 9.6 5.3 15.8

85 64.1 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 5.828 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010330.D

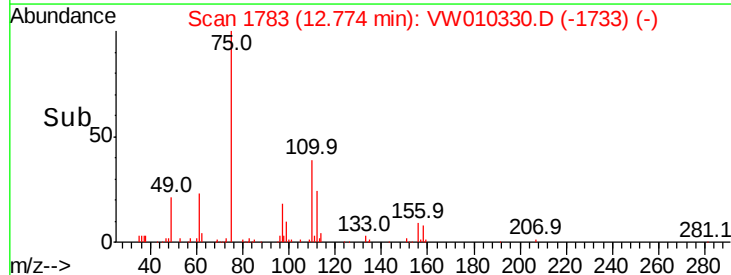
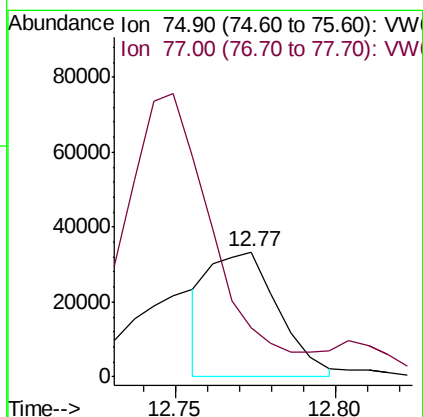
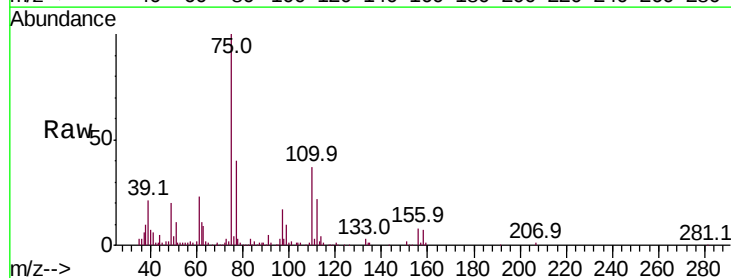
Acq: 09 May 2019 11:09

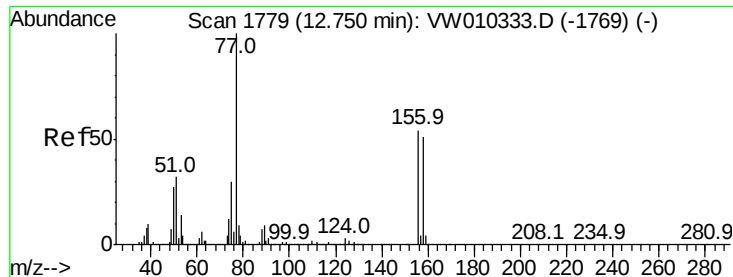
Tgt Ion: 75 Resp: 50270

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.084 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 70143

Ion Ratio Lower Upper

156 100

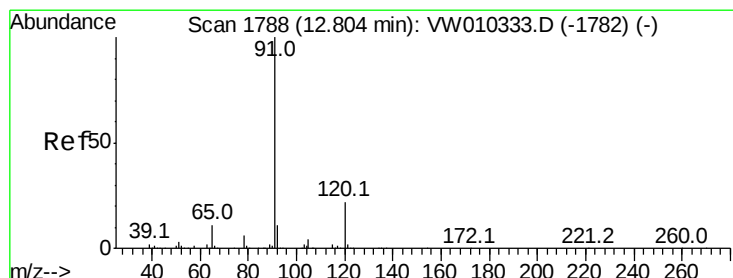
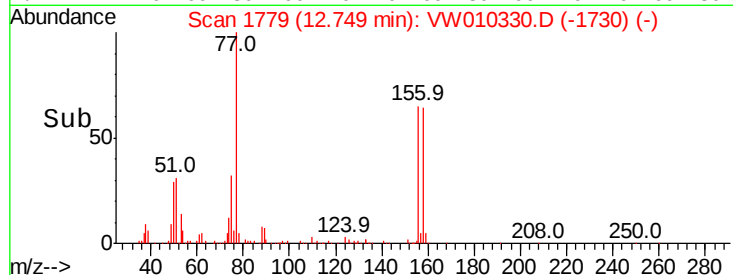
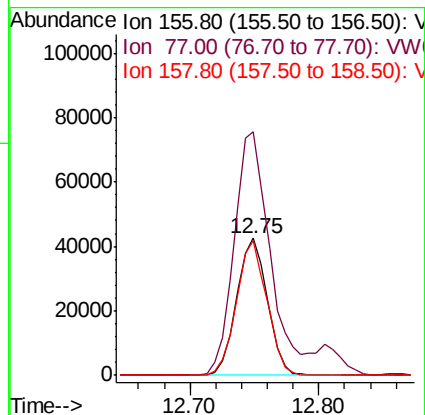
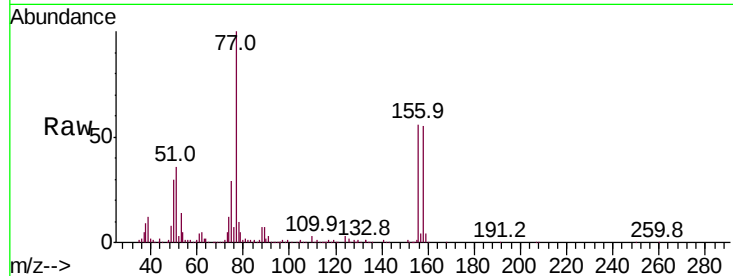
77 209.7 102.5 307.4

158 97.3 48.8 146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 4.936 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010330.D

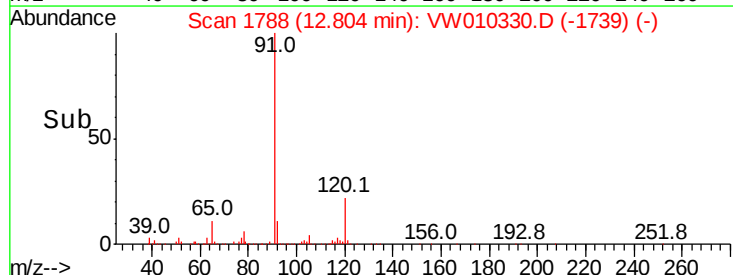
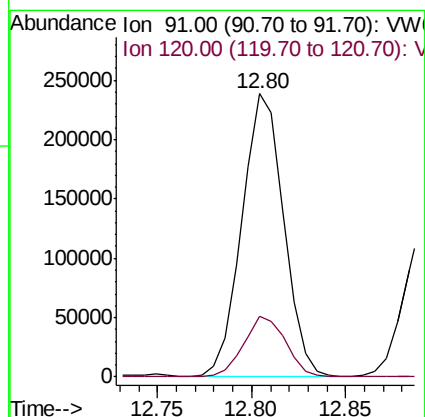
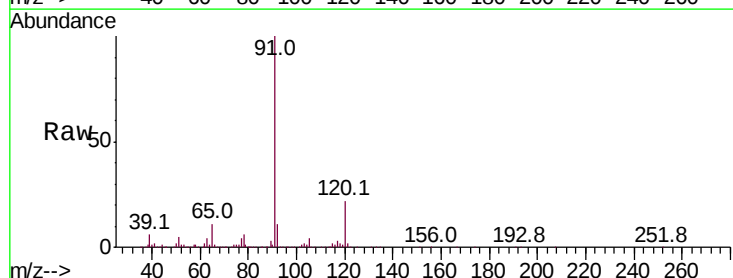
Acq: 09 May 2019 11:09

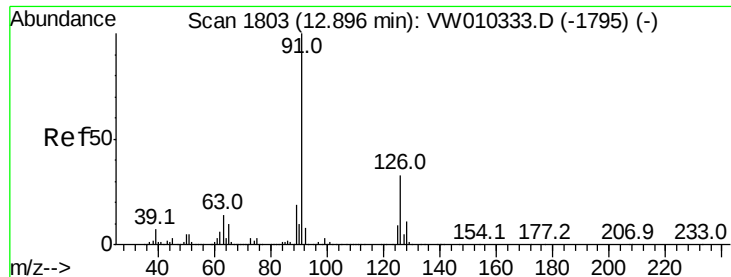
Tgt Ion: 91 Resp: 366955

Ion Ratio Lower Upper

91 100

120 21.6 11.1 33.1





#79

2-Chlorotoluene

Concen: 5.066 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 216599

Ion Ratio Lower Upper

91 100

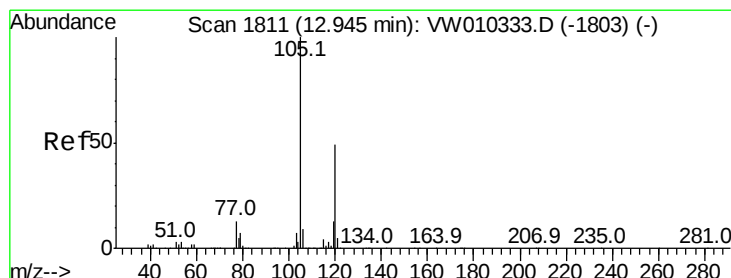
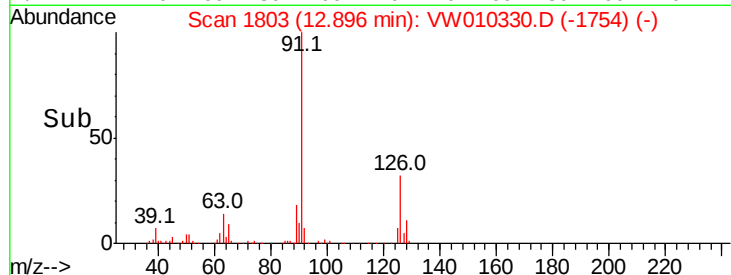
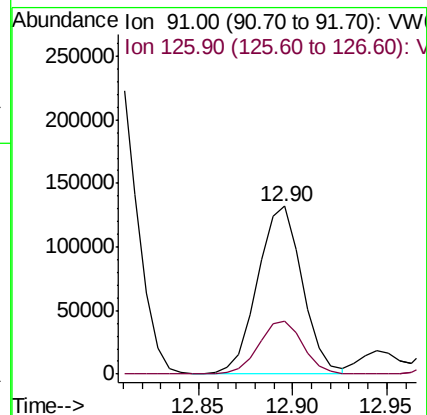
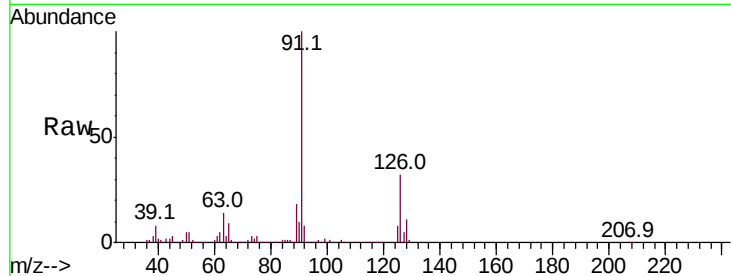
126 31.3 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.719 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010330.D

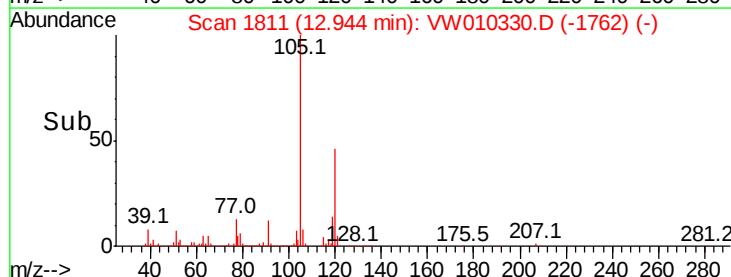
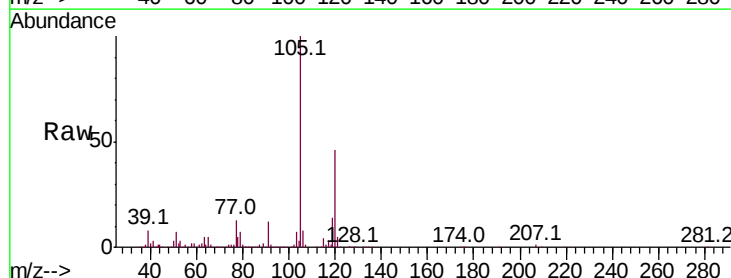
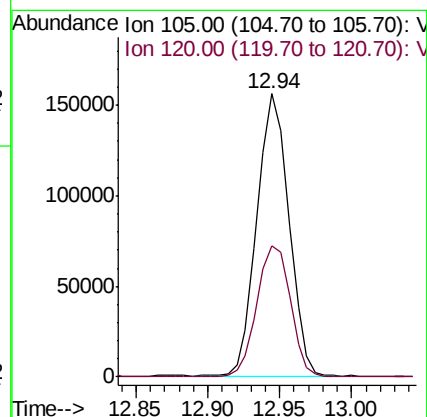
Acq: 09 May 2019 11:09

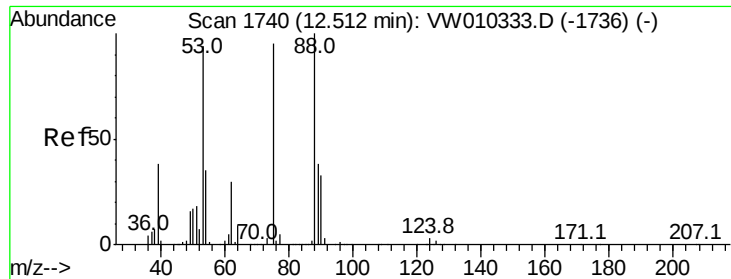
Tgt Ion:105 Resp: 239991

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





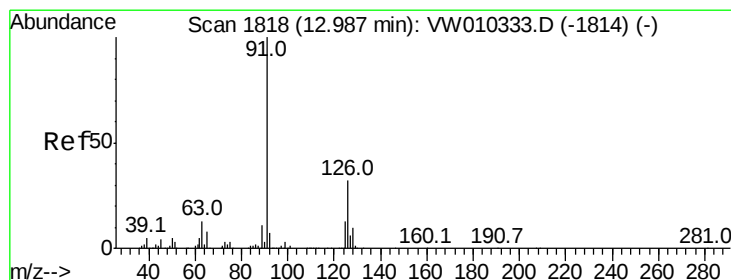
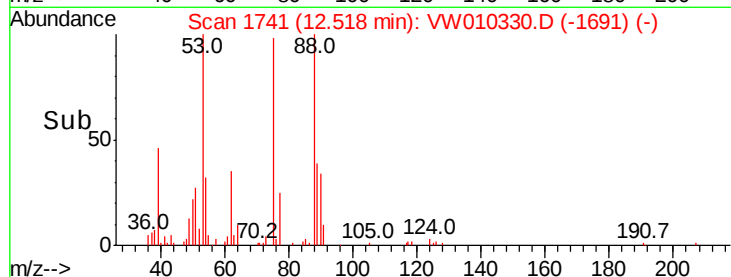
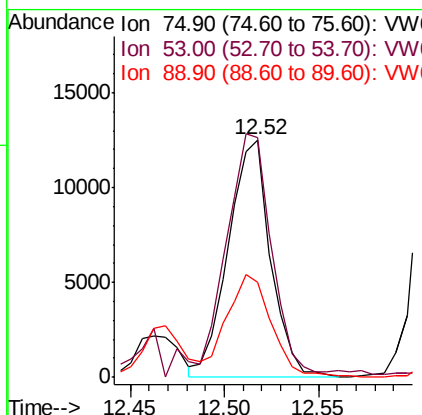
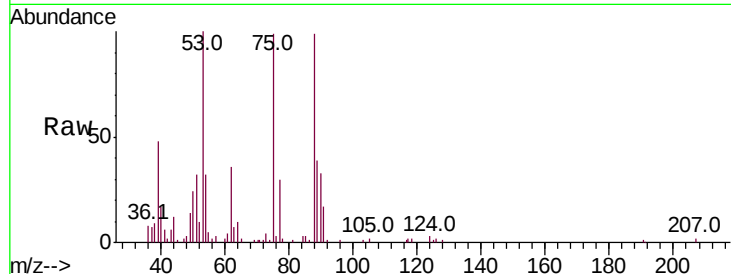
#81
trans-1,4-Dichloro-2-butene
Concen: 5.350 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	89.8	134.8
89	45.9	36.6	54.8

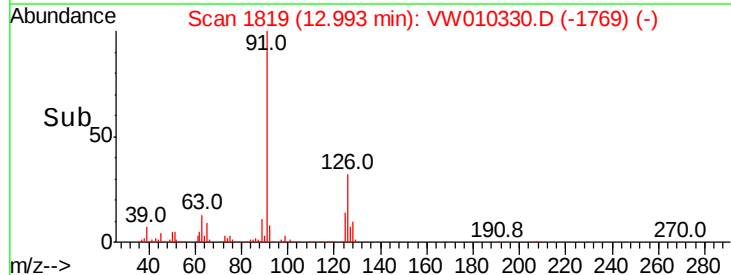
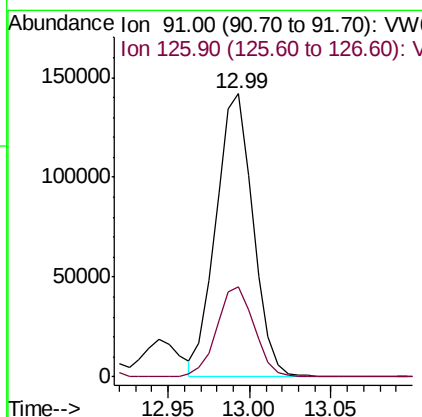
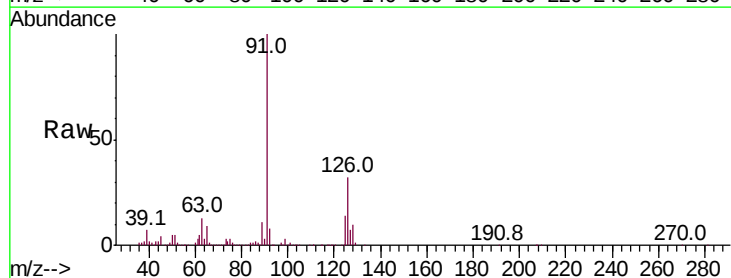
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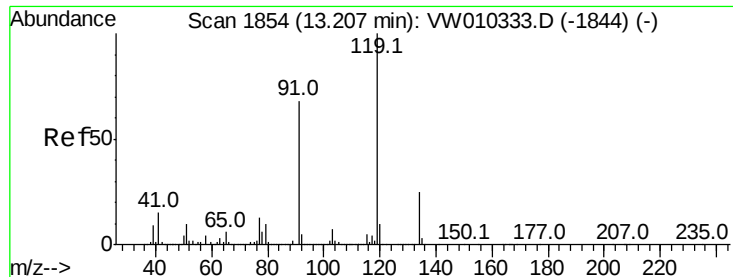
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.981 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 4.709 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Instrument :

MSVOA_W

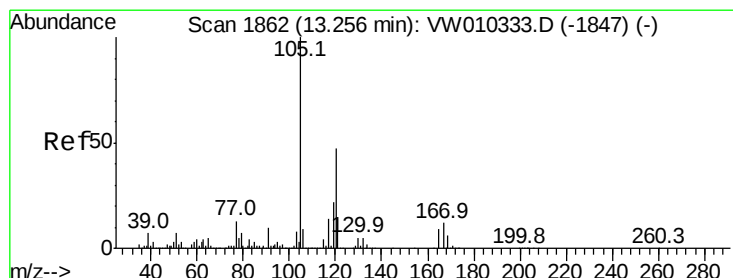
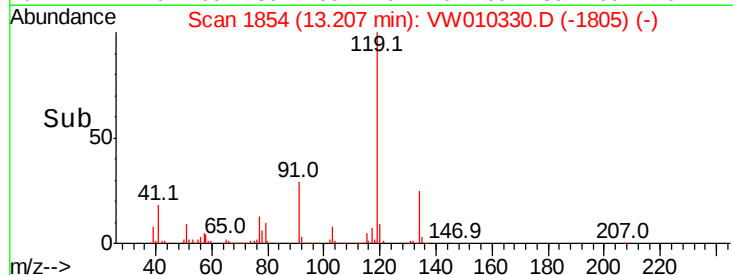
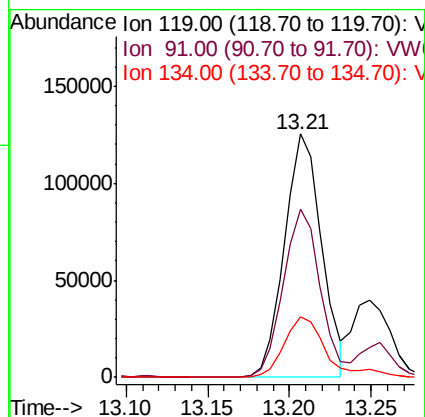
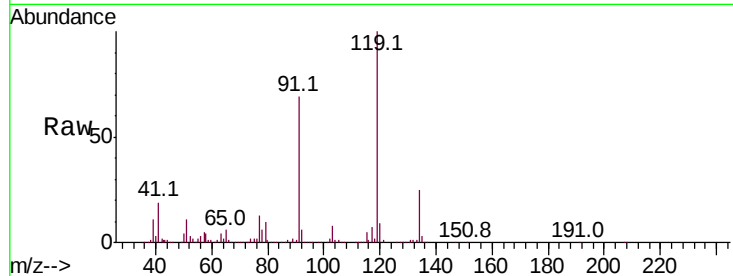
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	198330
Ion Ratio	Lower	Upper	
119	100		
91	69.3	34.8	104.4
134	25.7	13.7	41.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 4.616 ug/l

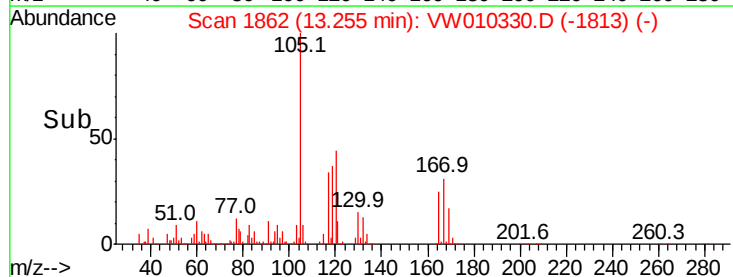
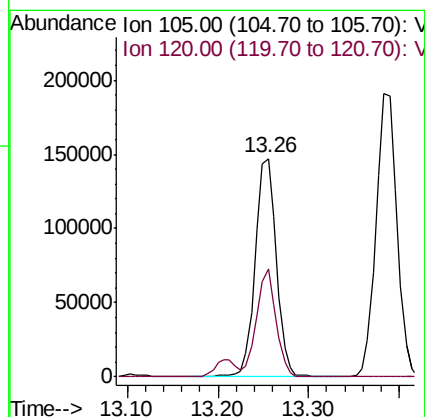
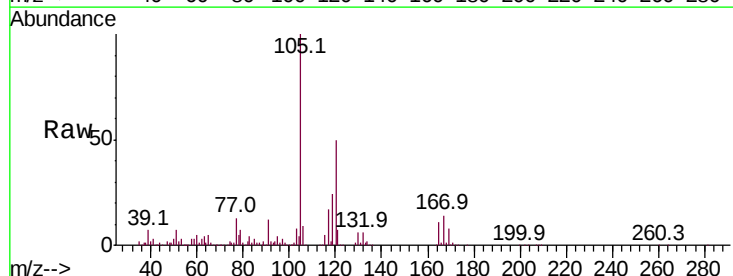
RT: 13.26 min Scan# 1862

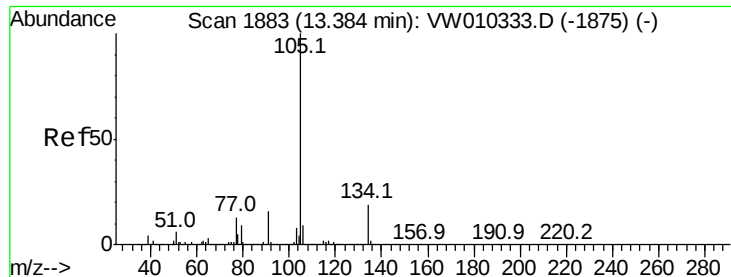
Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion:	105	Resp:	238020
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.7





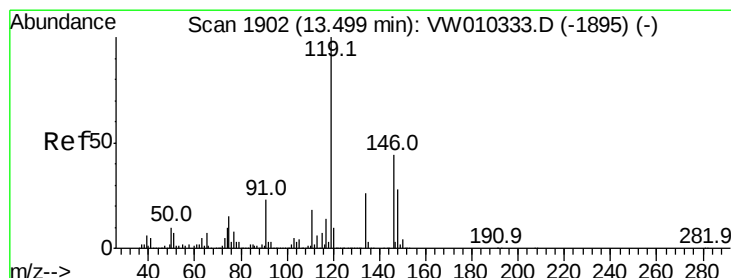
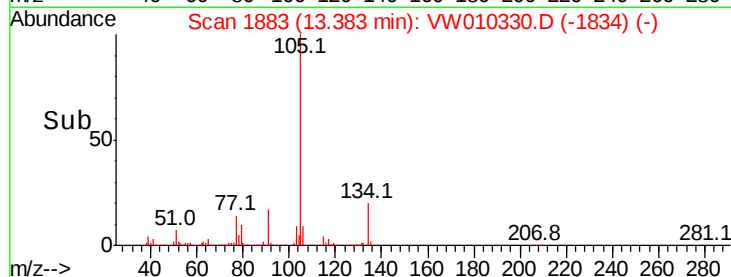
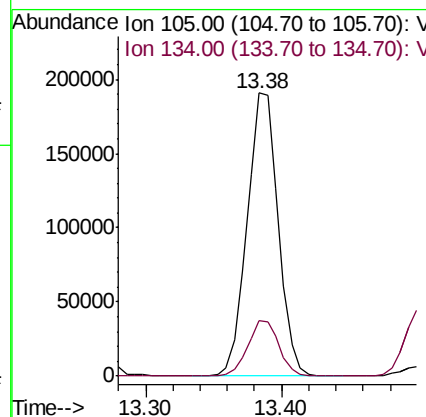
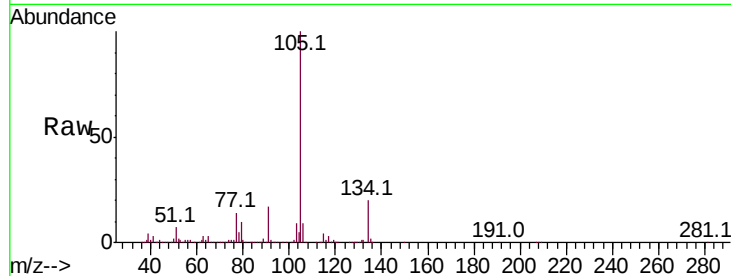
#85
 sec-Butylbenzene
 Concen: 4.829 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	303965		
134	19.7	9.8	29.5	

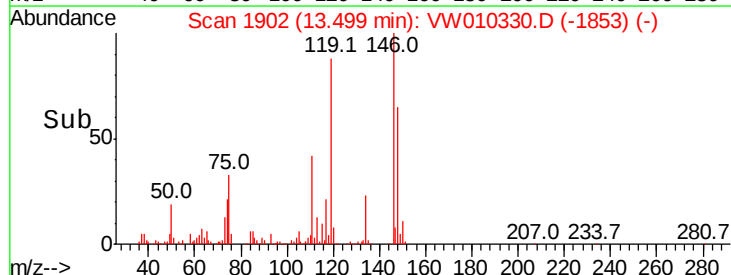
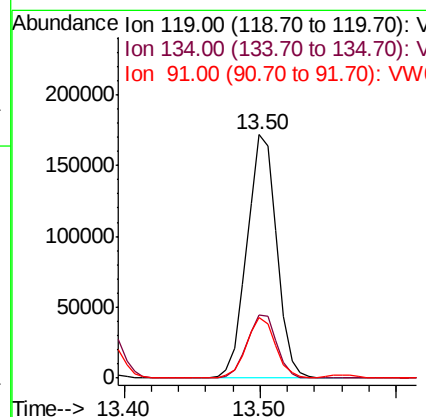
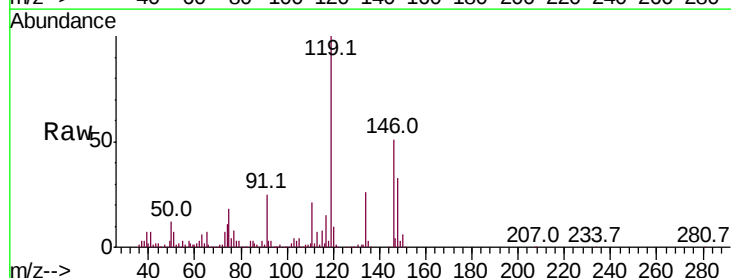
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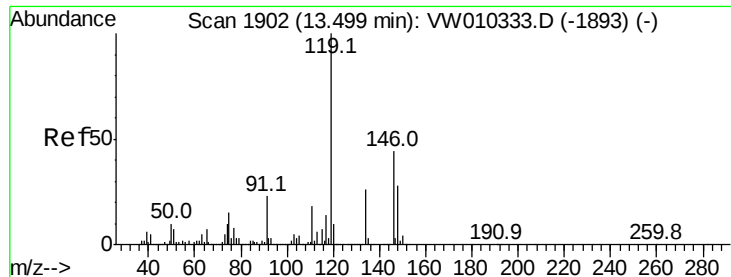
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#86
 p-Isopropyltoluene
 Concen: 4.726 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	262172		
134	26.0	13.0	38.9	
91	24.3	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 5.174 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010330.D

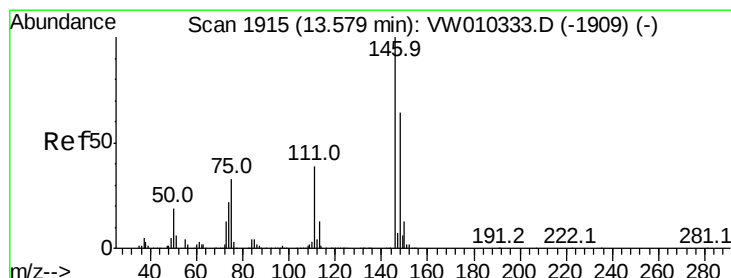
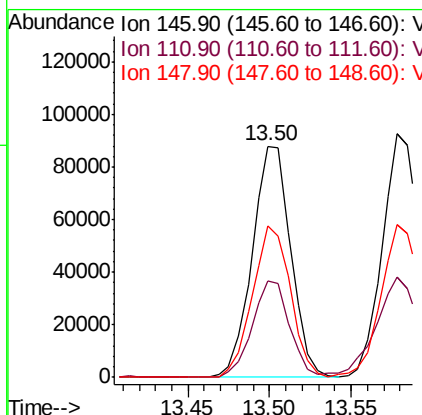
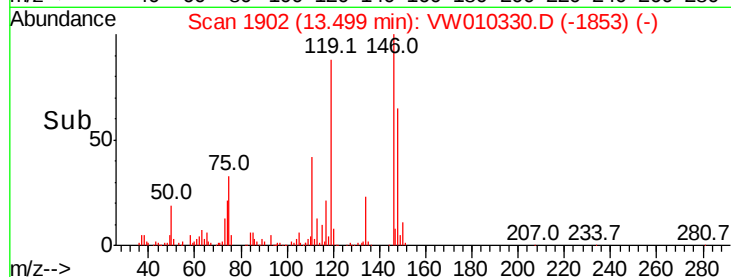
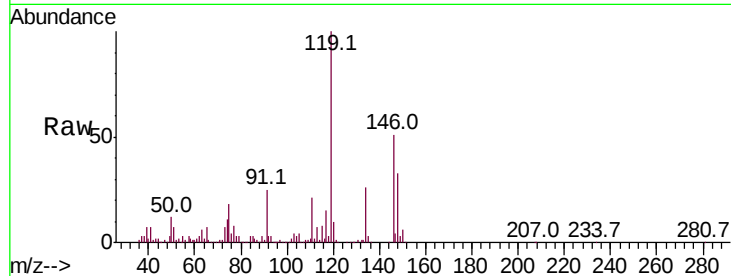
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	64.6	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.326 ug/l

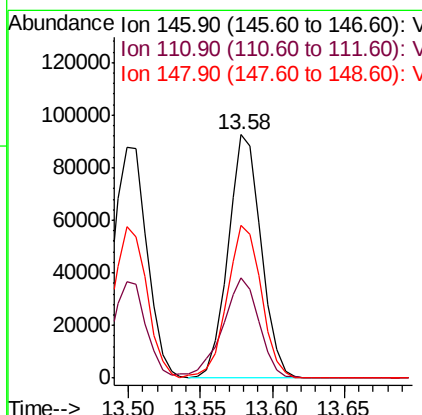
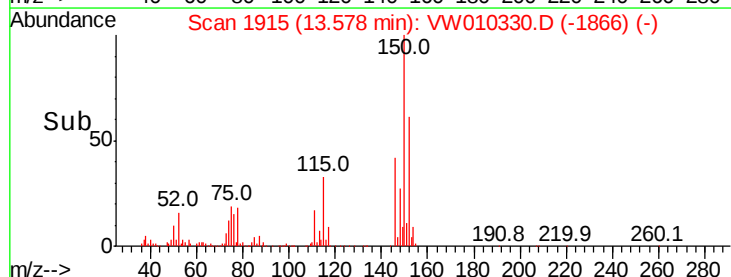
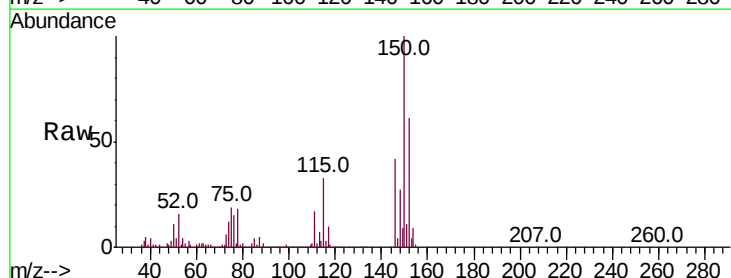
RT: 13.58 min Scan# 1915

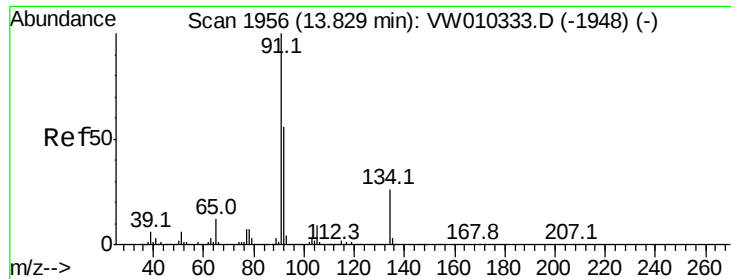
Delta R.T. -0.00 min

Lab File: VW010330.D

Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	20.1	60.3
148	65.2	31.8	95.3





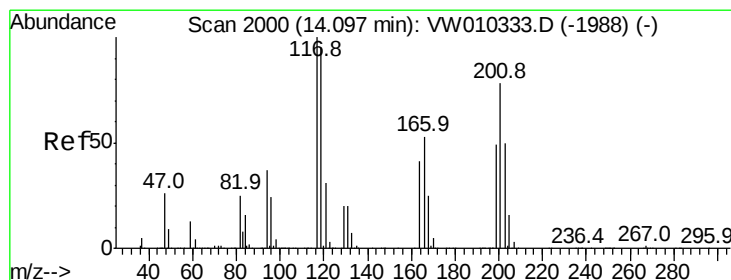
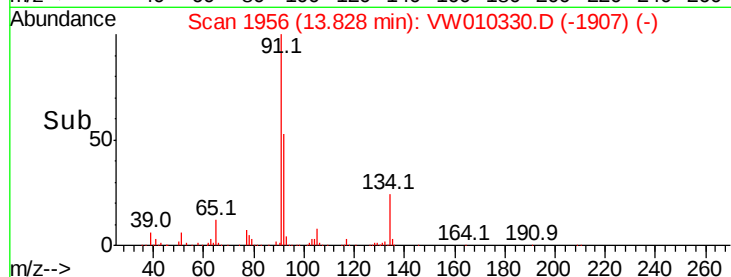
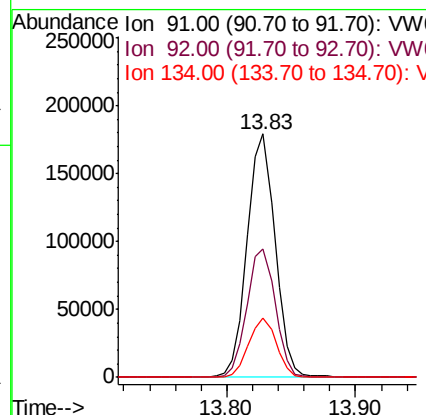
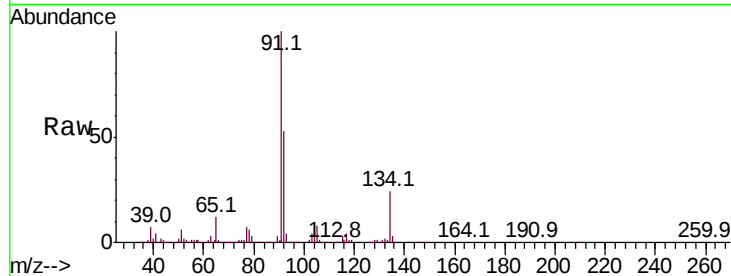
#89
n-Butylbenzene
Concen: 4.865 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	24.4	12.4	37.0

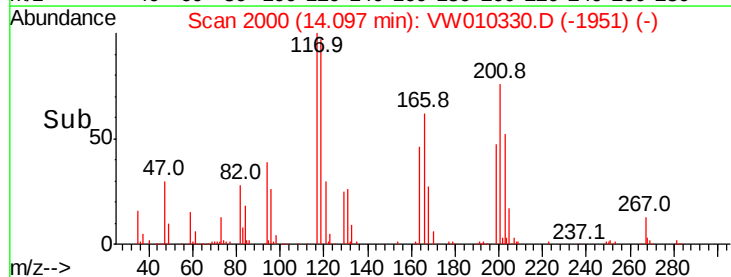
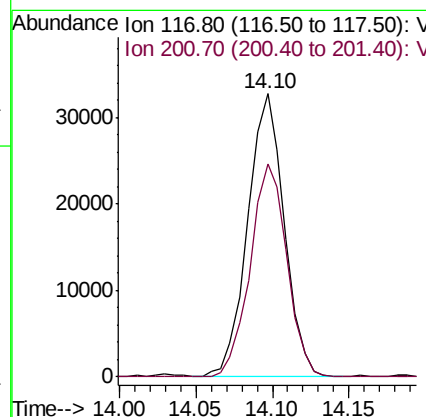
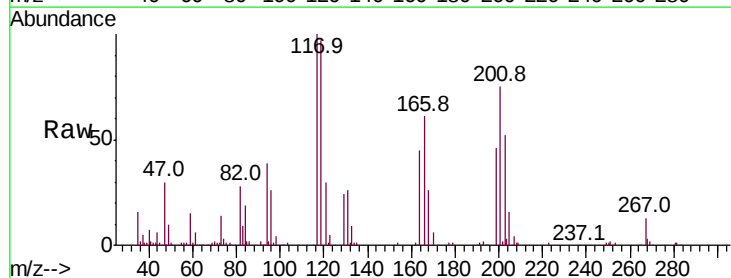
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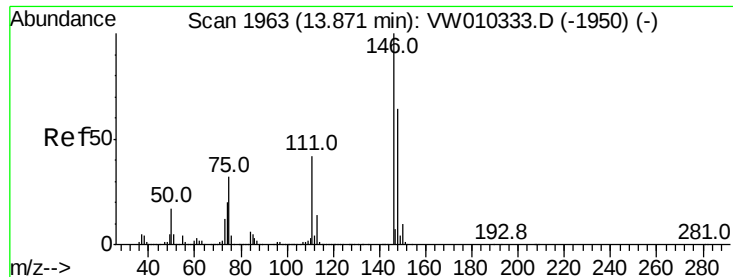
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#90
Hexachloroethane
Concen: 5.108 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	36.1	108.3





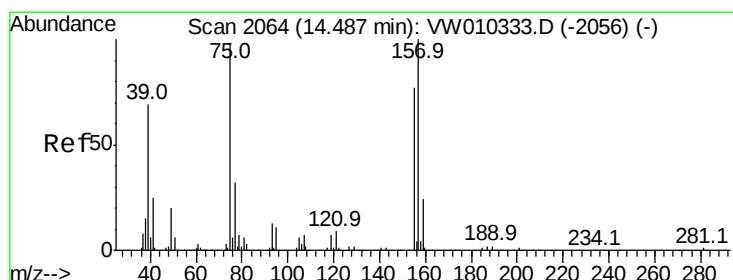
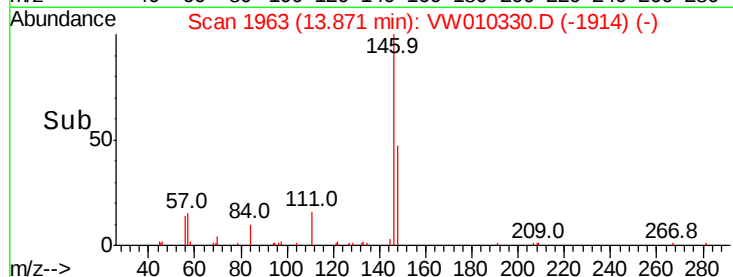
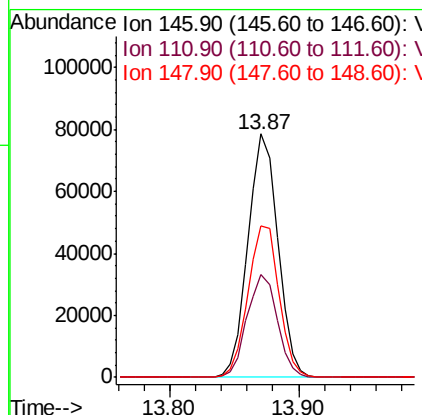
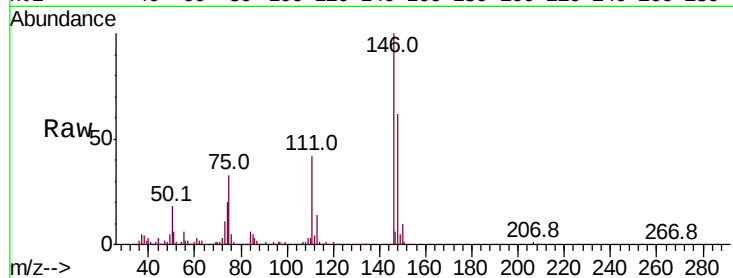
#91
 1,2-Dichlorobenzene
 Concen: 5.036 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	64.8	31.9	95.7

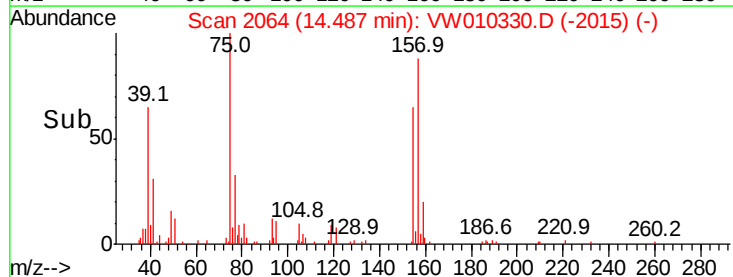
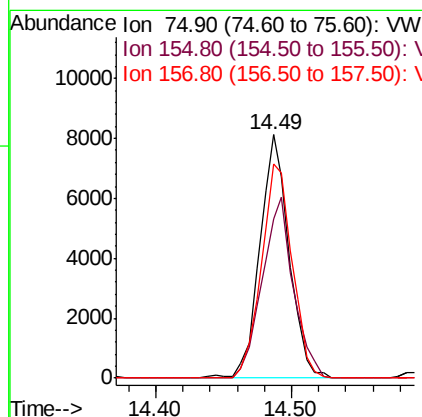
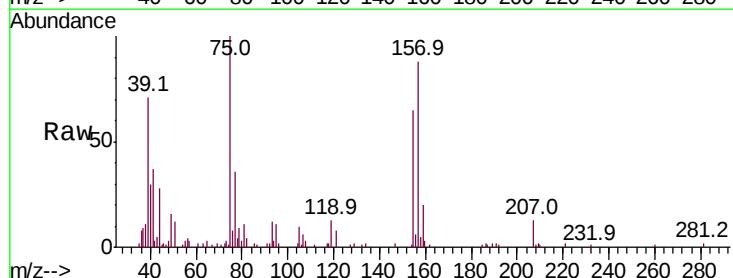
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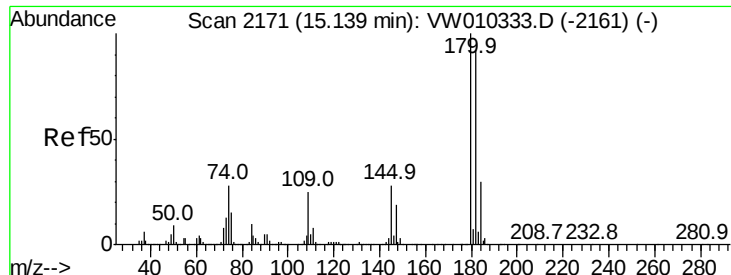
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.775 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.1	111.5
157	92.7	47.3	141.9





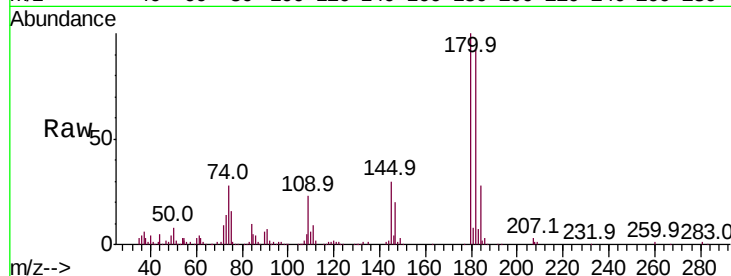
#93
 1,2,4-Trichlorobenzene
 Concen: 4.711 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

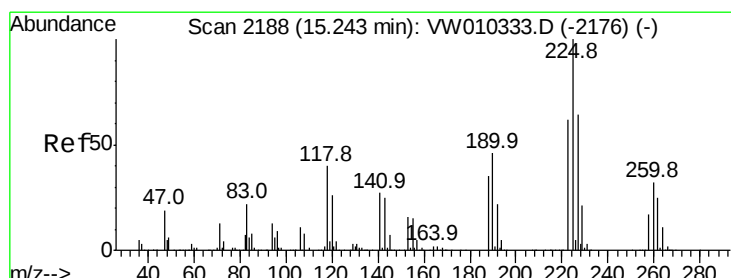
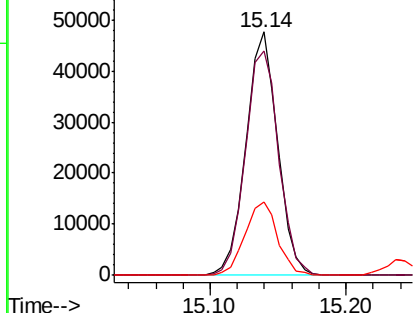
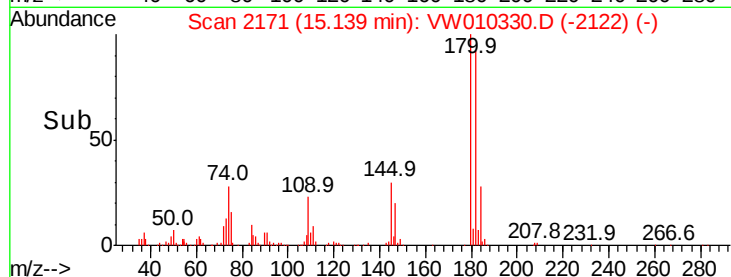
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	47.1	141.4	
145	31.2	15.2	45.6	

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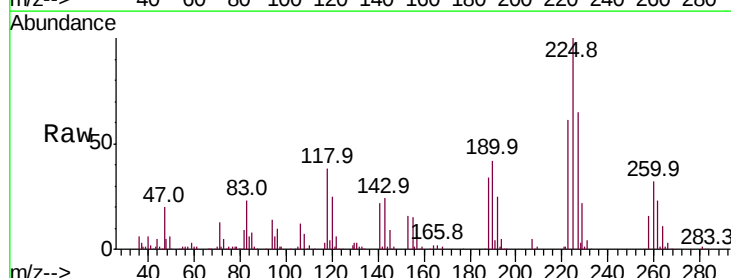


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

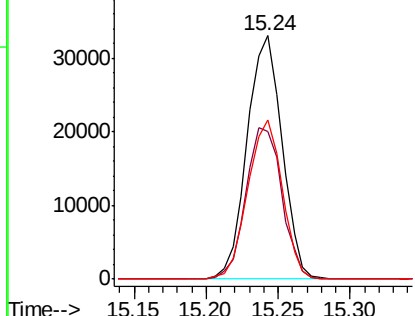
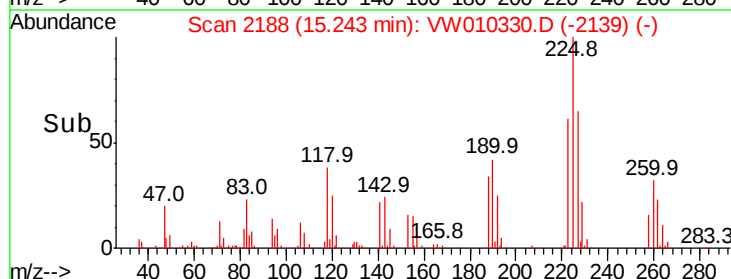


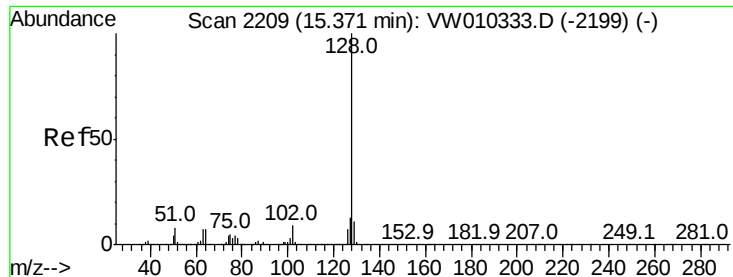
#94
 Hexachlorobutadiene
 Concen: 5.542 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010330.D
 Acq: 09 May 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.9	95.5	
227	64.4	31.8	95.3	



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





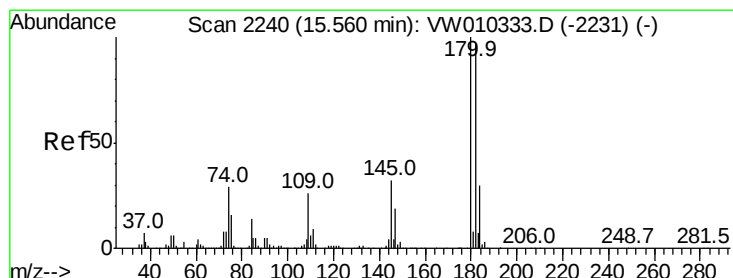
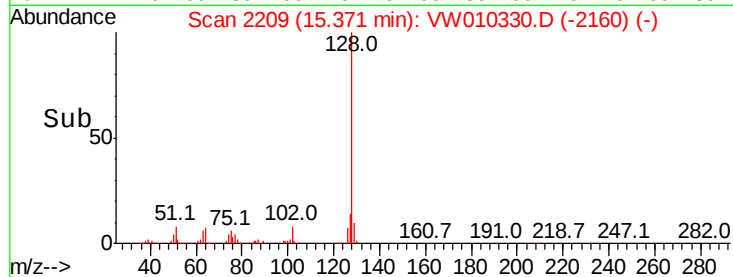
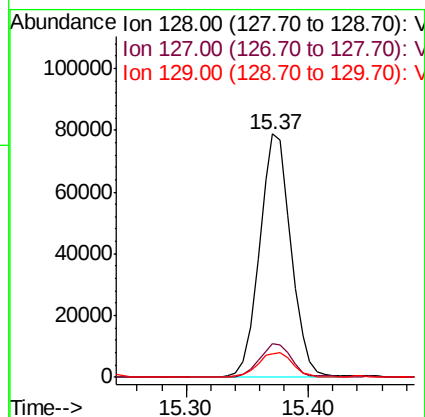
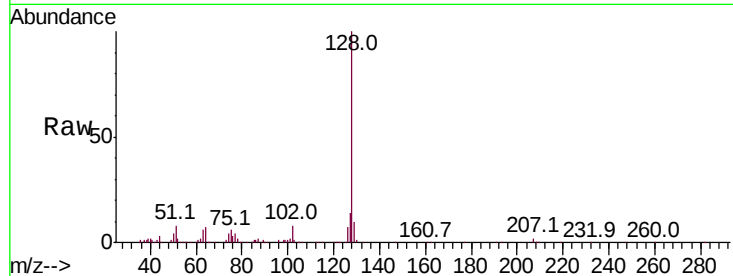
#95
Naphthalene
Concen: 4.748 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:128	Resp:	140636
Ion Ratio	Lower	Upper
128 100		
127 14.3	10.6	15.8
129 11.1	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 4.918 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010330.D
Acq: 09 May 2019 11:09

Tgt Ion:180	Resp:	70381
Ion Ratio	Lower	Upper
180 100		
182 100.0	47.8	143.3
145 31.9	16.4	49.2

