

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010334.D
 Acq On : 09 May 2019 13:02
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:27 AM

Quant Time: May 09 13:29:37 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	1375953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2167354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1932264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	939619	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	1388732	81.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.58%	
35) Dibromofluoromethane	7.88	113	1211751	87.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.88%	
50) Toluene-d8	10.32	98	5036520	97.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.08%	
62) 4-Bromofluorobenzene	12.62	95	1787418	95.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	1045060	99.611	ug/l	100
3) Chloromethane	2.21	50	1391150	132.596	ug/l	98
4) Vinyl Chloride	2.37	62	1702237	139.580	ug/l	97
5) Bromomethane	2.77	94	956490	116.705	ug/l	99
6) Chloroethane	2.92	64	1019403	127.931	ug/l	94
7) Trichlorofluoromethane	3.25	101	906049	107.454	ug/l	95
8) Diethyl Ether	3.67	74	729673	104.032	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1373296	96.790	ug/l	98
10) Methyl Iodide	4.26	142	1984012	101.186	ug/l	94
11) Tert butyl alcohol	5.18	59	499588	516.533	ug/l	98
12) 1,1-Dichloroethene	4.03	96	1467662	107.897	ug/l	95
13) Acrolein	3.89	56	646601	635.466	ug/l	98
14) Allyl chloride	4.65	41	2231120	92.258	ug/l	90
15) Acrylonitrile	5.36	53	2066709	572.564	ug/l	98
16) Acetone	4.12	43	1868126	474.178	ug/l	94
17) Carbon Disulfide	4.37	76	4491305	120.369	ug/l	100
18) Methyl Acetate	4.66	43	875692	96.039	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	1785358	101.051	ug/l	99
20) Methylene Chloride	4.91	84	1421331	78.418	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	1570773	106.639	ug/l	96
22) Diisopropyl ether	6.31	45	4299971	87.658	ug/l	95
23) Vinyl Acetate	6.25	43	15357830	497.336	ug/l	95
24) 1,1-Dichloroethane	6.21	63	2828779	96.465	ug/l	99
25) 2-Butanone	7.17	43	2943684	568.799	ug/l	97
26) 2,2-Dichloropropane	7.16	77	1387359	85.513	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	1650994	101.915	ug/l	96
28) Bromochloromethane	7.51	49	1009740	84.257	ug/l	100
29) Tetrahydrofuran	7.52	42	1894666	577.780	ug/l	96
30) Chloroform	7.67	83	2628979	89.471	ug/l	98
31) Cyclohexane	7.95	56	2851748	103.851	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	2039577	88.418	ug/l	98
36) 1,1-Dichloropropene	8.08	75	2306349	104.175	ug/l	100
37) Ethyl Acetate	7.25	43	1239098	110.143	ug/l	97
38) Carbon Tetrachloride	8.07	117	1975308	91.420	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	3008861	120.776	ug/l	97
40) Benzene	8.32	78	6268484	103.553	ug/l	99
41) Methacrylonitrile	7.48	41	735839	114.766	ug/l	95
42) 1,2-Dichloroethane	8.40	62	1772902	85.222	ug/l	97
43) Isopropyl Acetate	8.43	43	2149199	101.949	ug/l	99
44) Trichloroethene	9.09	130	1591515	103.513	ug/l	97
45) 1,2-Dichloropropane	9.37	63	1572775	98.845	ug/l	98
46) Dibromomethane	9.46	93	796653	96.601	ug/l	98
47) Bromodichloromethane	9.65	83	1962466	92.184	ug/l	99
48) Methyl methacrylate	9.43	41	1034689	100.829	ug/l	86
49) 1,4-Dioxane	9.45	88	298170	2366.228	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	6077807	550.459	ug/l	93
52) Toluene	10.39	92	3919840	103.953	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	2087711	98.913	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	2448751	101.604	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	1130684	98.231	ug/l	98
56) Ethyl methacrylate	10.65	69	1707282	119.312	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	2064413	100.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	3937719	597.546	ug/l	100
59) 2-Hexanone	10.97	43	4386029	570.654	ug/l	91
60) Dibromochloromethane	11.13	129	1274873	95.828	ug/l	100
61) 1,2-Dibromoethane	11.24	107	1113043	101.651	ug/l	98
64) Tetrachloroethene	10.86	164	1343563	107.111	ug/l	98
65) Chlorobenzene	11.66	112	3918005	99.069	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	1348988	95.383	ug/l	98
67) Ethyl Benzene	11.73	91	7478527	105.987	ug/l	97
68) m/p-Xylenes	11.84	106	5579852	211.551	ug/l	96
69) o-Xylene	12.16	106	2595254	108.062	ug/l	97
70) Styrene	12.18	104	4513008	108.987	ug/l	98
71) Bromoform	12.35	173	780024	104.302	ug/l #	98
73) Isopropylbenzene	12.46	105	7245631	110.797	ug/l	99
74) N-amyl acetate	12.27	43	1944546	107.374	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	1476179	114.255	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1081646m	115.018	ug/l	
77) Bromobenzene	12.75	156	1566572	104.160	ug/l	98
78) n-propylbenzene	12.80	91	8750489	107.964	ug/l	99
79) 2-Chlorotoluene	12.90	91	4920439	105.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	6027798	108.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	520334	130.466	ug/l	90
82) 4-Chlorotoluene	12.99	91	5109817	104.156	ug/l	100
83) tert-Butylbenzene	13.21	119	5295020	115.317	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	5954716	105.924	ug/l	99
85) sec-Butylbenzene	13.38	105	7448669	108.553	ug/l	99
86) p-Isopropyltoluene	13.50	119	6663835	110.182	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	3076665	101.197	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2993292	98.637	ug/l	99
89) n-Butylbenzene	13.83	91	6682129	111.518	ug/l	97
90) Hexachloroethane	14.10	117	1210964	104.539	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	2699143	99.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	269323	116.482	ug/l	92

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ClientSampleId :
VSTDICC100

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	1952271	108.555	ug/l	99
94) Hexachlorobutadiene	15.24	225	1219574	111.673	ug/l	100
95) Naphthalene	15.37	128	4254850	131.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1754554	112.450	ug/l	99

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

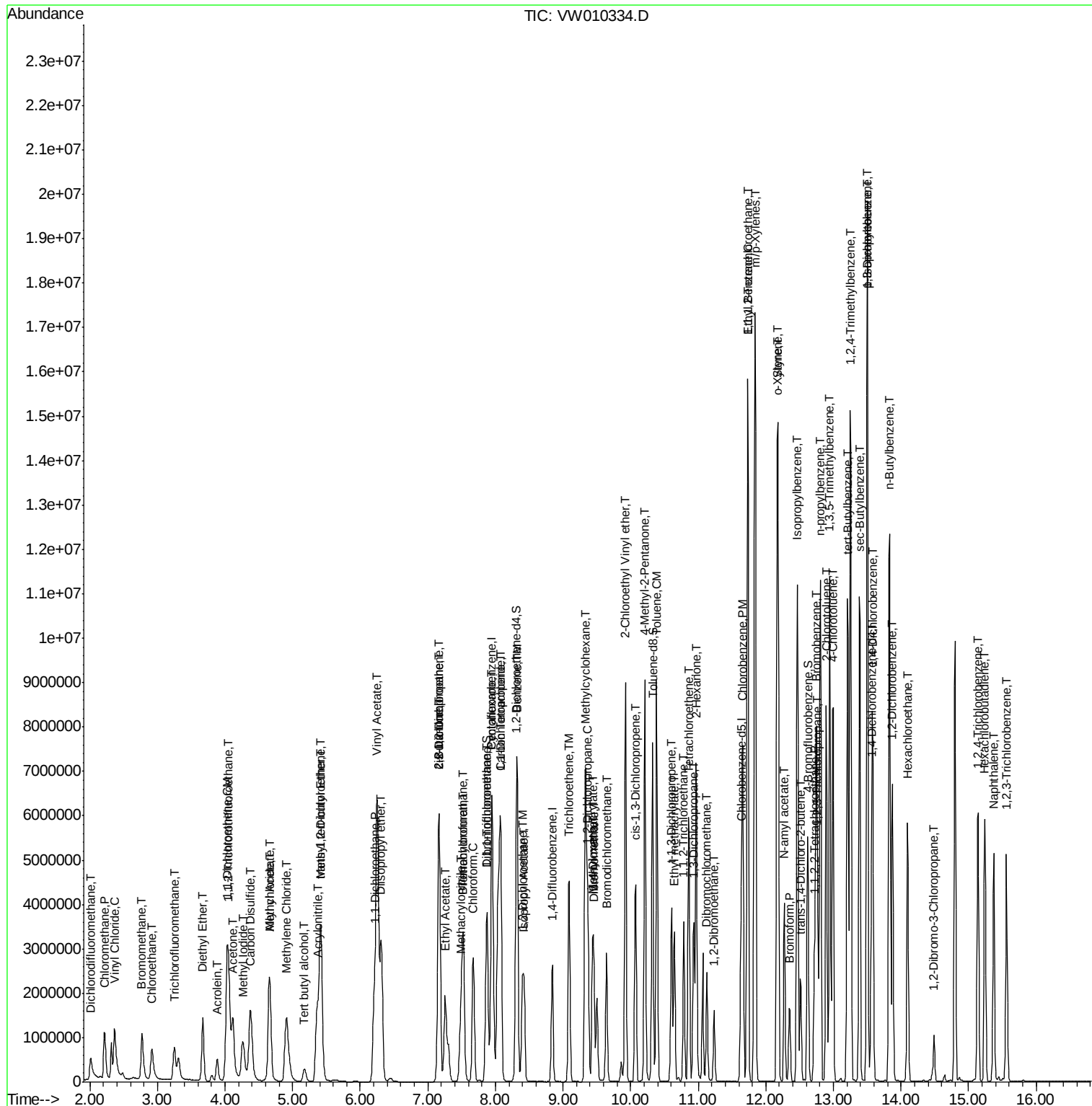
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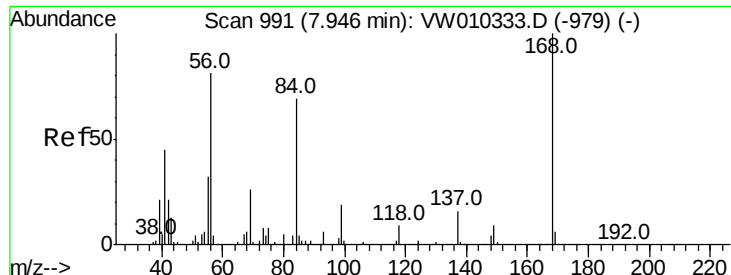
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

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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: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1375953

Ion Ratio Lower Upper

168 100

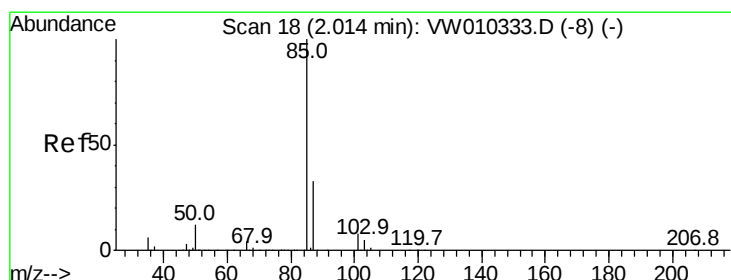
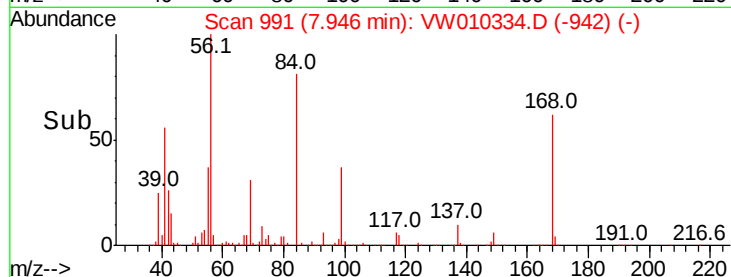
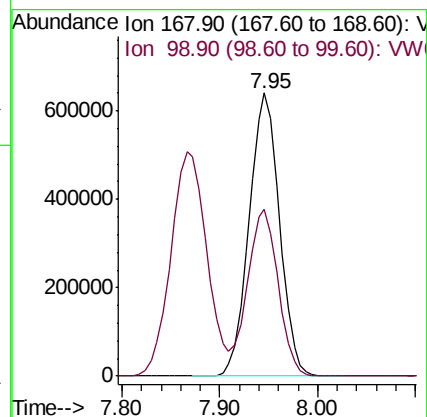
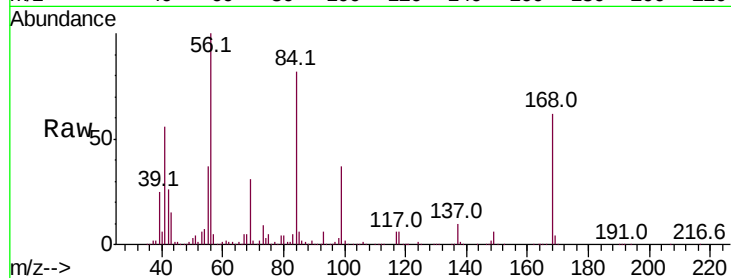
99 59.1 48.4 72.6

Manual Integrations

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5/10/2019 10:07:27 AM



#2

Dichlorodifluoromethane

Concen: 99.611 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010334.D

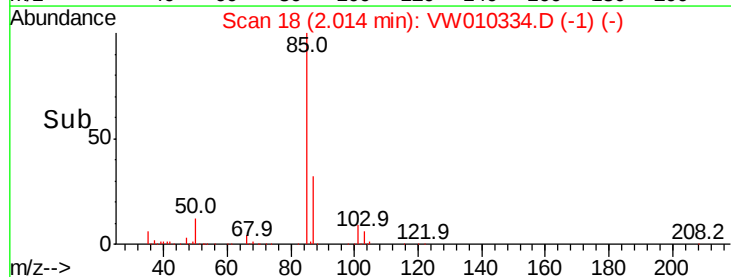
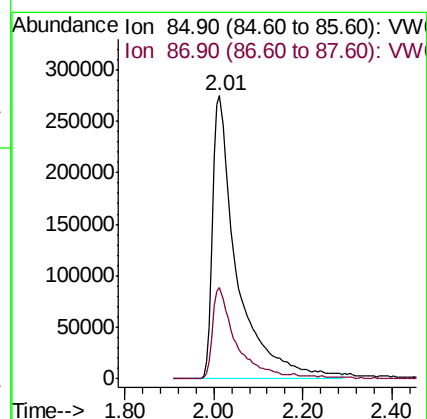
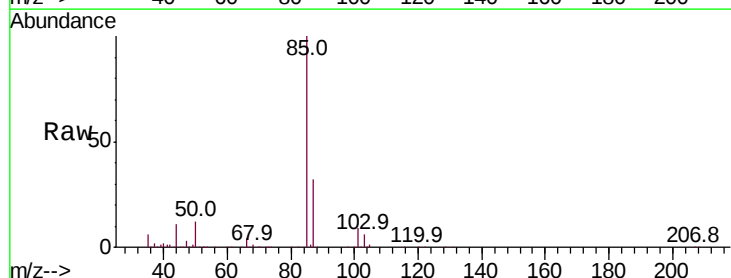
Acq: 09 May 2019 13:02

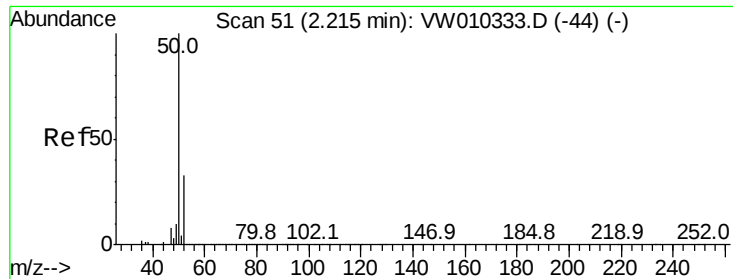
Tgt Ion: 85 Resp: 1045060

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9





#3

Chloromethane

Concen: 132.596 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 1391150

Ion Ratio Lower Upper

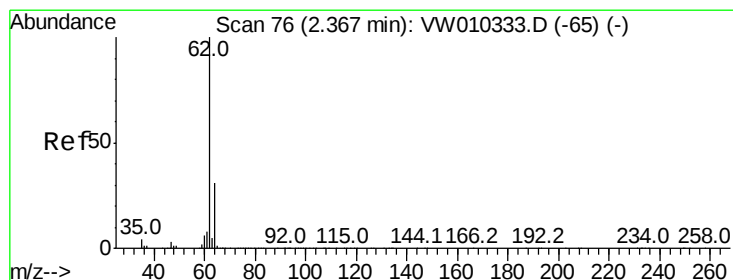
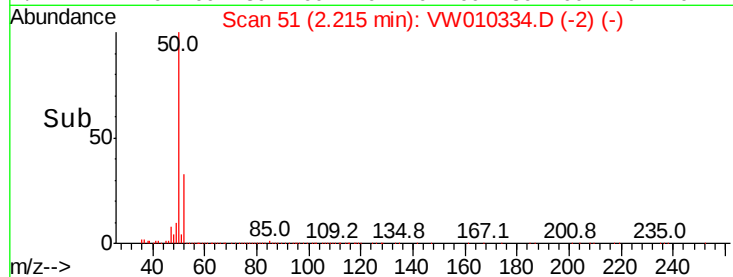
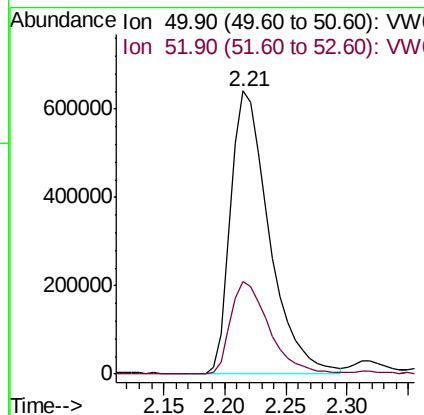
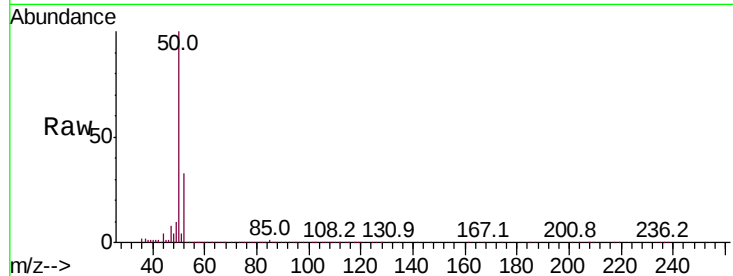
50 100

52 32.7 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 139.580 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010334.D

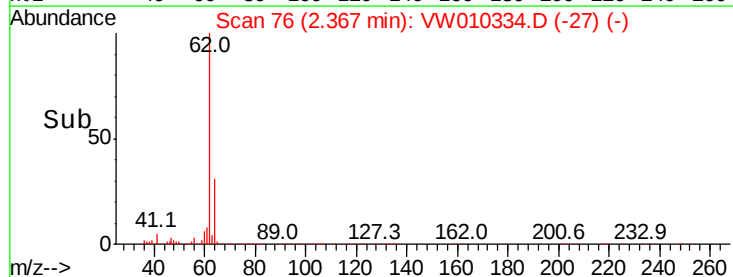
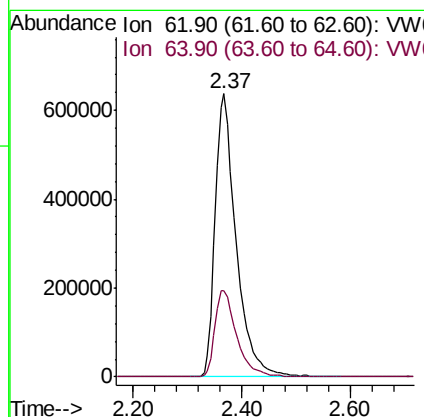
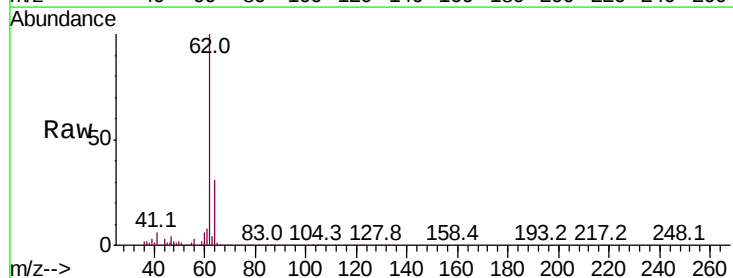
Acq: 09 May 2019 13:02

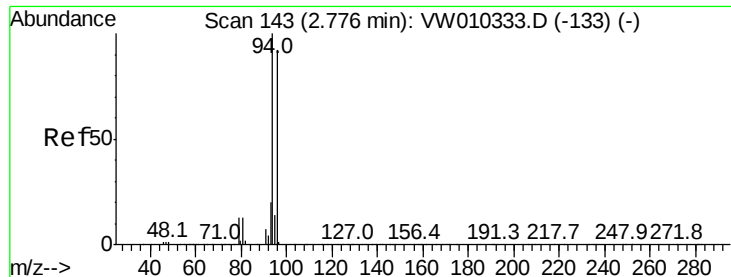
Tgt Ion: 62 Resp: 1702237

Ion Ratio Lower Upper

62 100

64 30.7 25.9 38.9





#5

Bromomethane

Concen: 116.705 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tot Ion: 94 Resp: 956490

Ion Ratio Lower Upper

94 100

96 93.5 74.2 111.2

Instrument :

MSVOA_W

ClientSampleId :

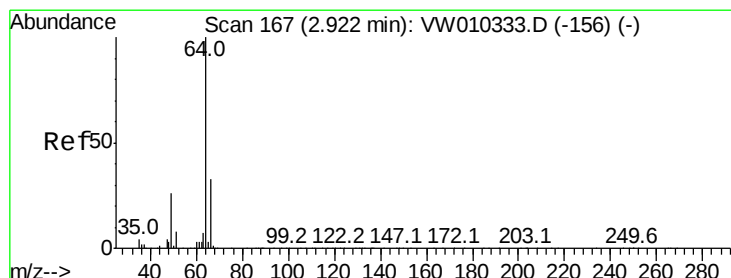
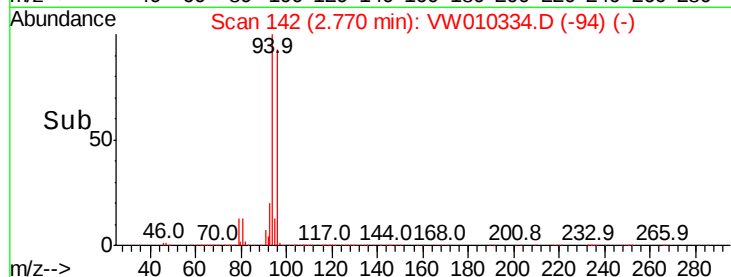
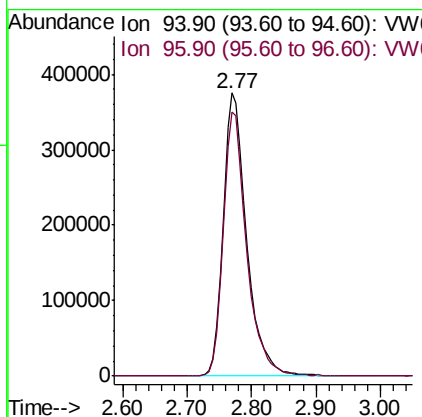
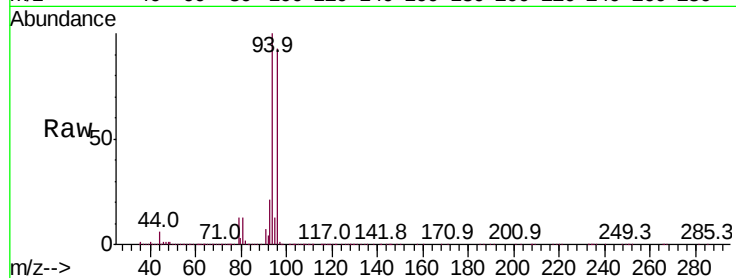
VSTDIC100

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#6

Chloroethane

Concen: 127.931 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010334.D

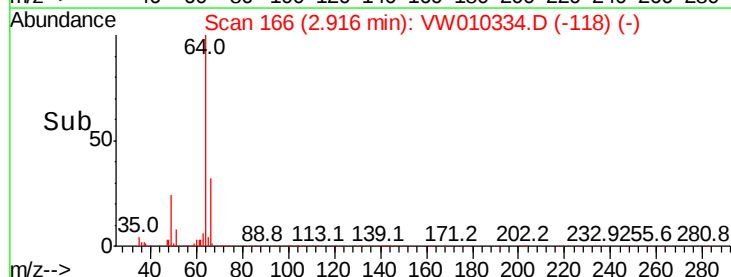
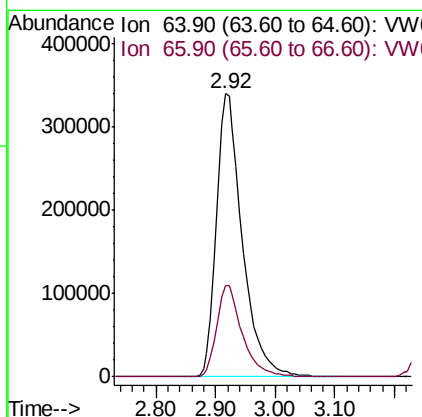
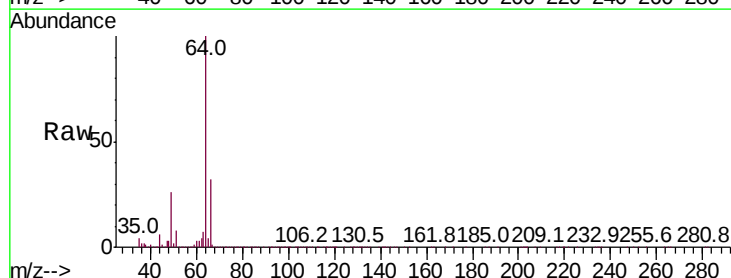
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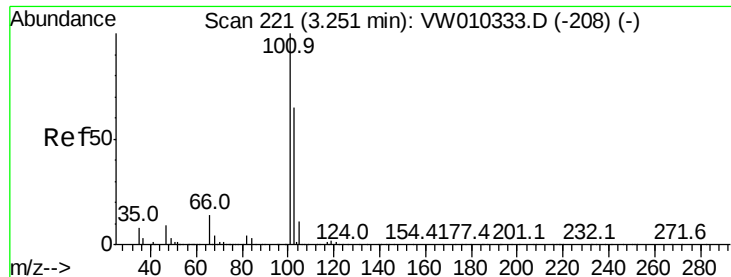
Tgt Ion: 64 Resp: 1019403

Ion Ratio Lower Upper

64 100

66 32.4 23.4 35.0





#7

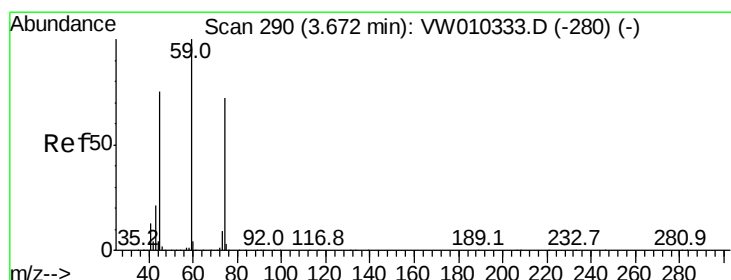
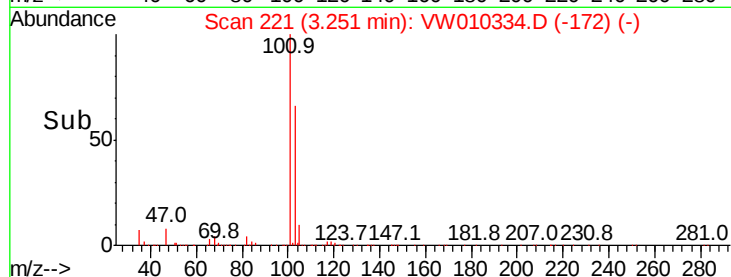
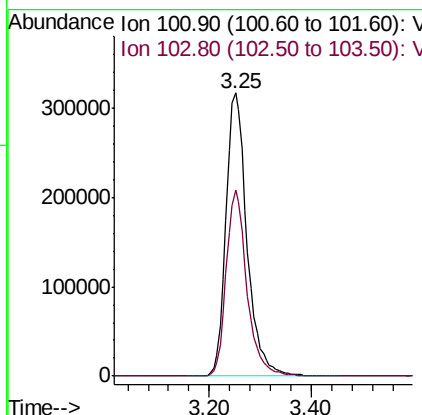
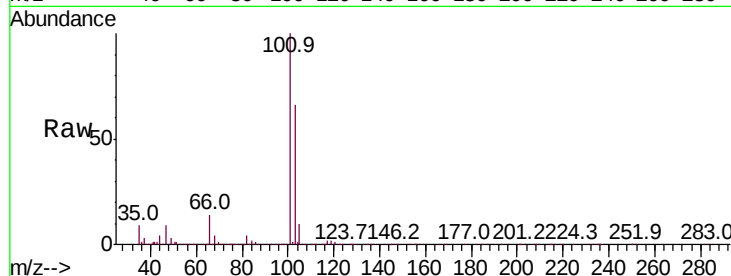
Trichlorofluoromethane
Concen: 107.454 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	49.8	74.6

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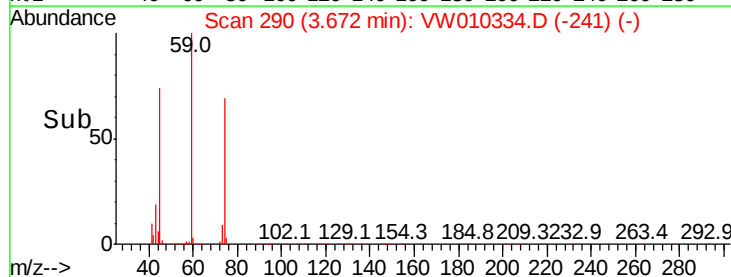
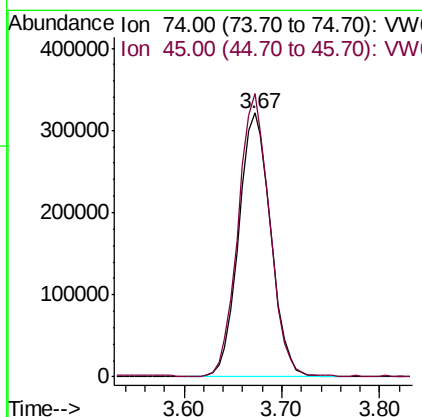
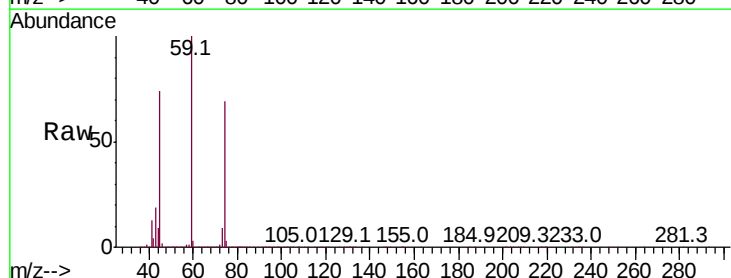
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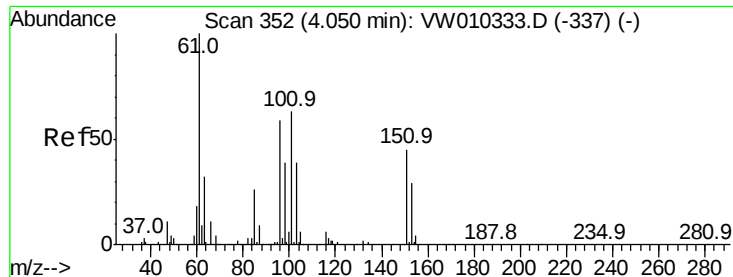


#8

Diethyl Ether
Concen: 104.032 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.790 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 1373296

Ion Ratio Lower Upper

101 100

85 44.1 36.3 54.5

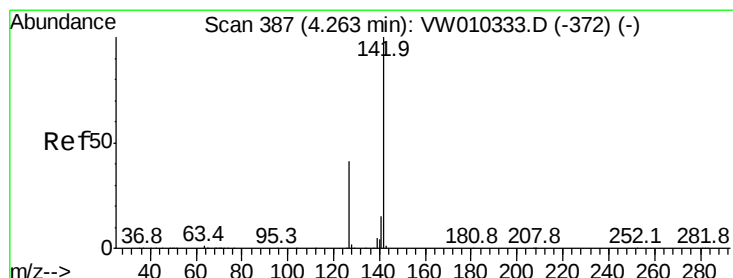
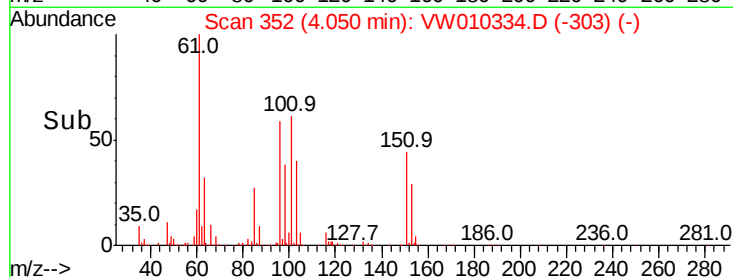
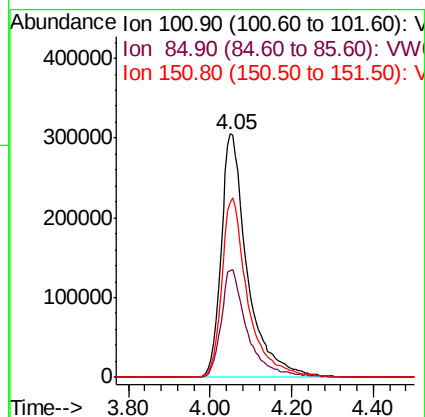
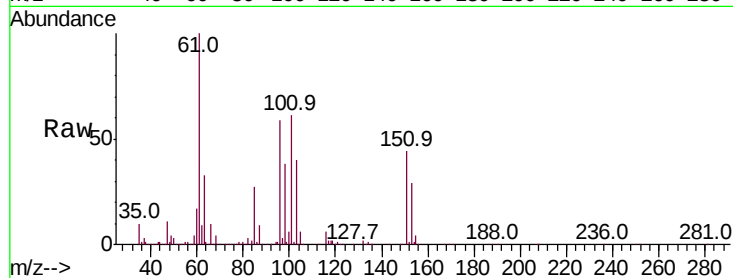
151 73.3 60.2 90.2

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#10

Methyl Iodide

Concen: 101.186 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

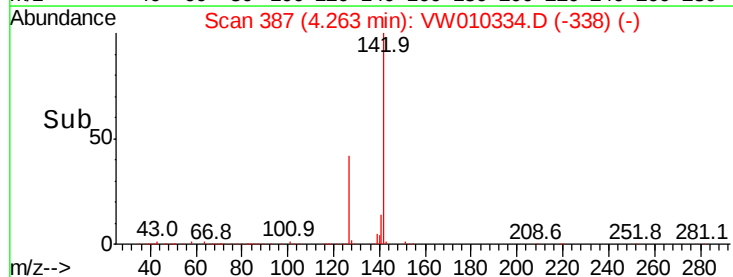
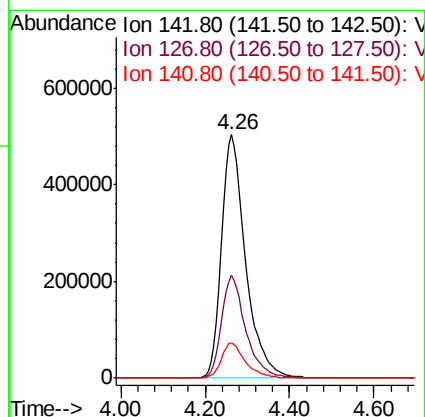
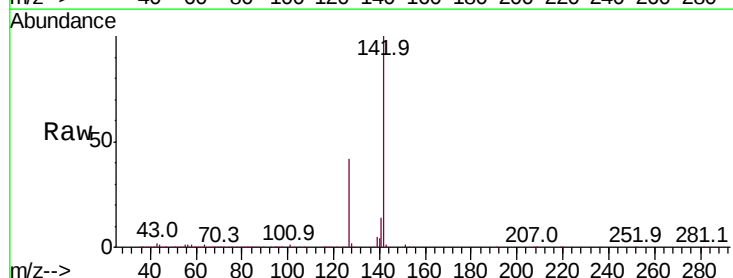
Tgt Ion:142 Resp: 1984012

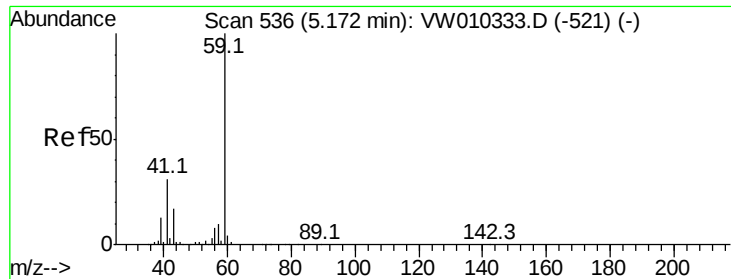
Ion Ratio Lower Upper

142 100

127 42.4 38.1 57.1

141 14.4 12.2 18.2





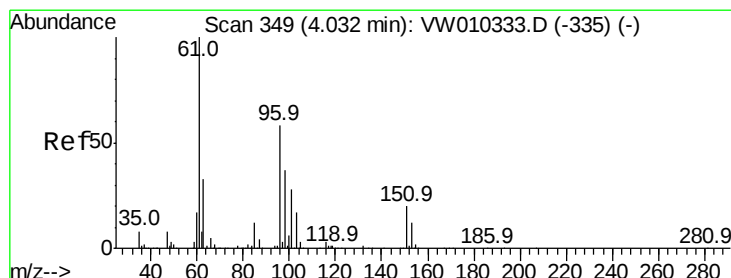
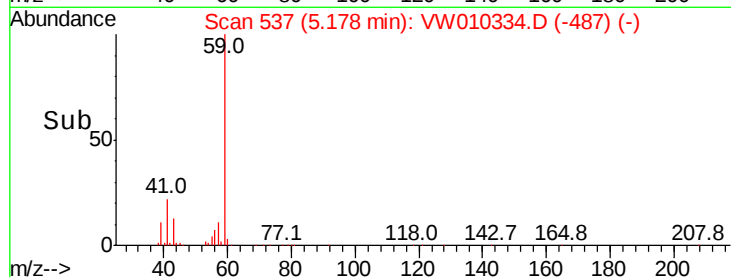
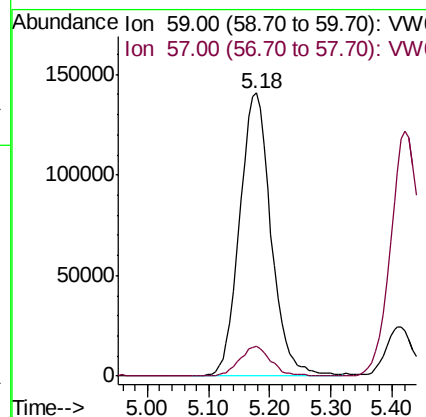
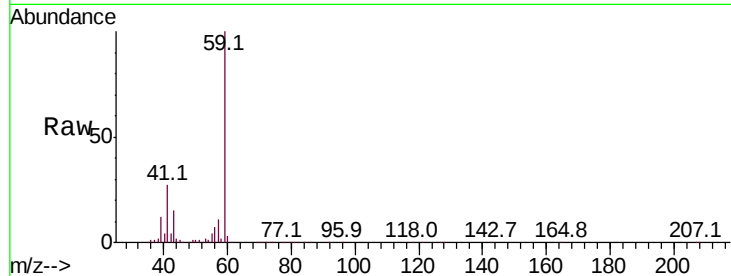
#11
Tert butyl alcohol
Concen: 516.533 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	499588
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.4

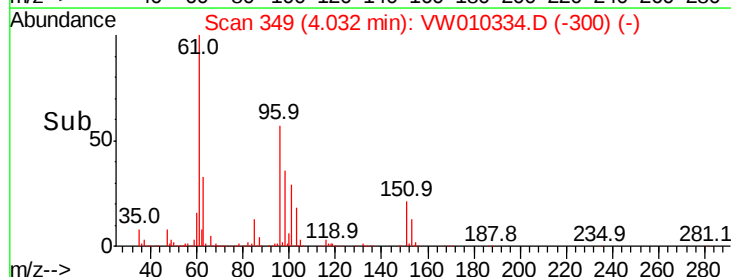
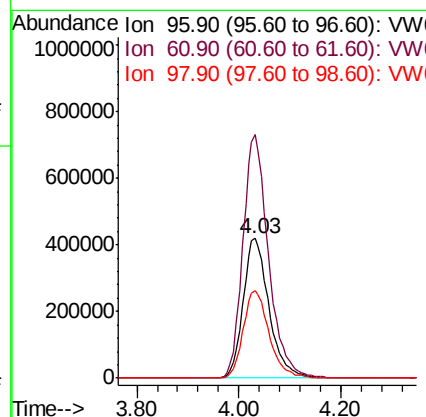
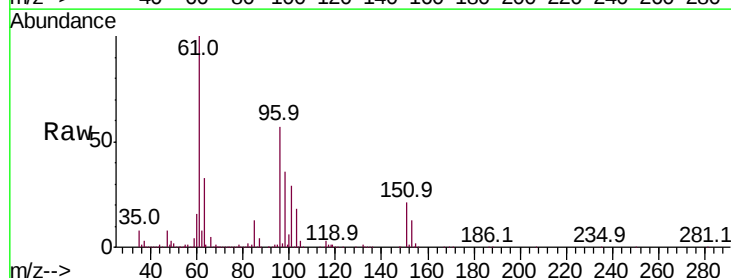
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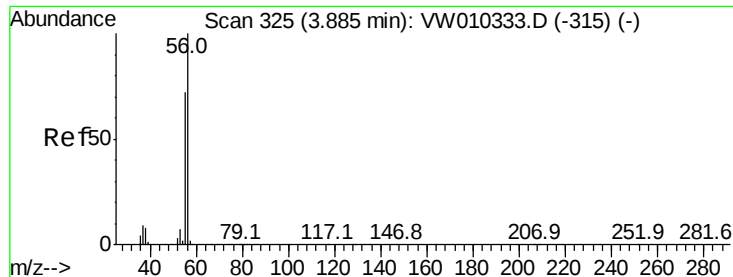
MMDadoda
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#12
1,1-Dichloroethene
Concen: 107.897 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	96	Resp	1467662
Ion Ratio	100	Lower	Upper
61	174.7	147.4	221.2
98	62.6	49.7	74.5





#13

Acrolein

Concen: 635.466 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 646601

Ion Ratio Lower Upper

56 100

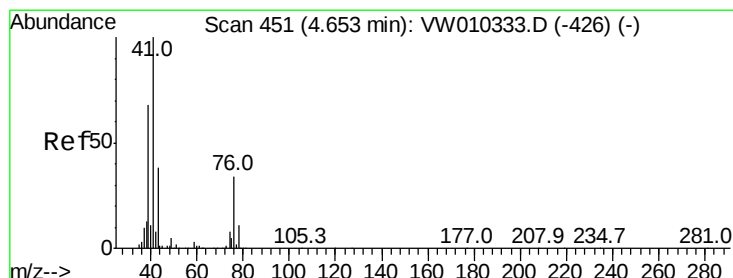
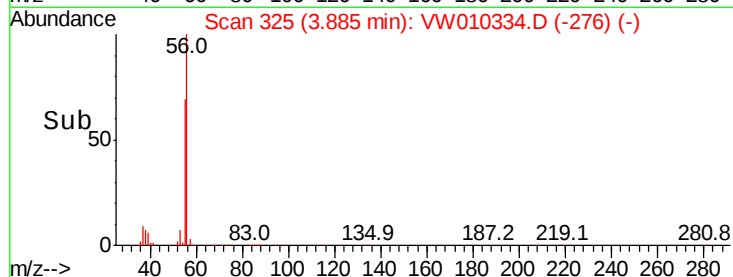
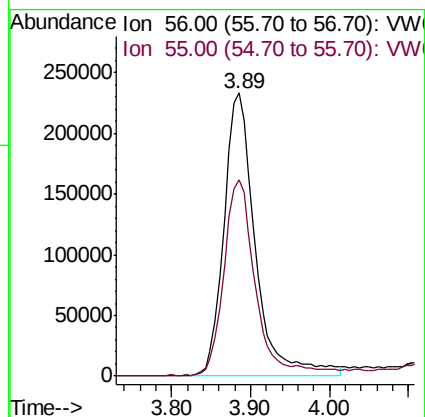
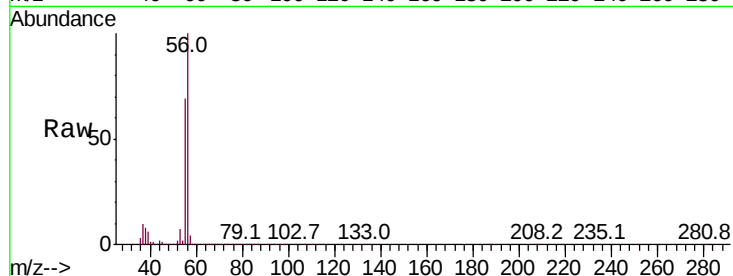
55 69.7 54.2 81.2

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#14

Allyl chloride

Concen: 92.258 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

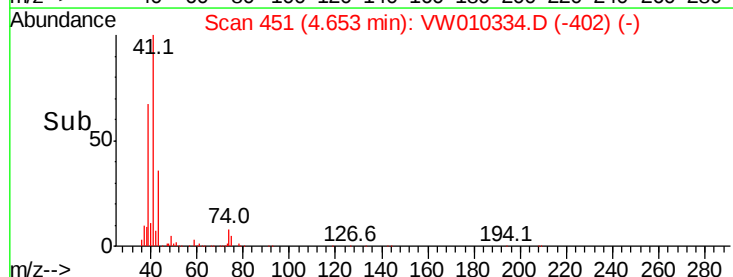
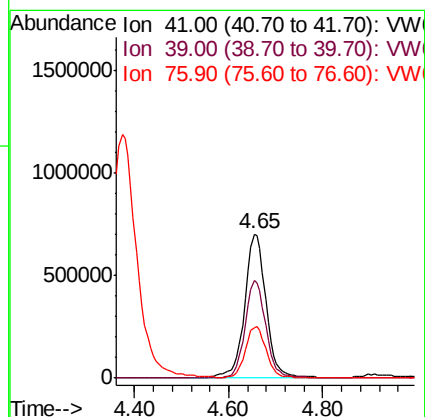
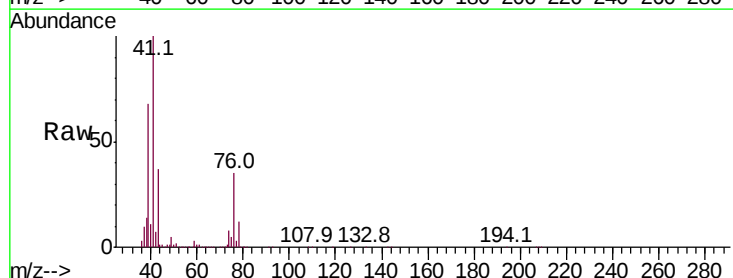
Tgt Ion: 41 Resp: 2231120

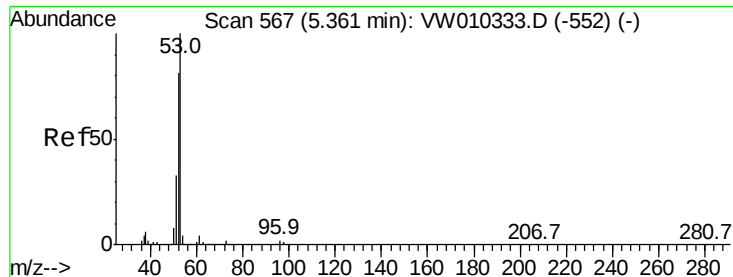
Ion Ratio Lower Upper

41 100

39 65.6 60.2 90.4

76 34.8 25.0 37.6





#15

Acrylonitrile

Concen: 572.564 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 2066709

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

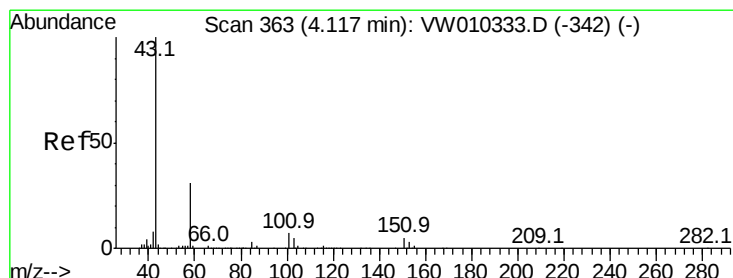
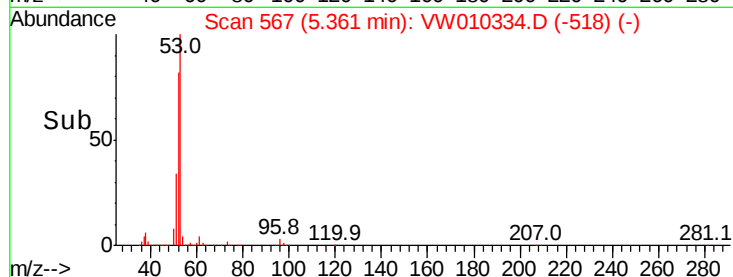
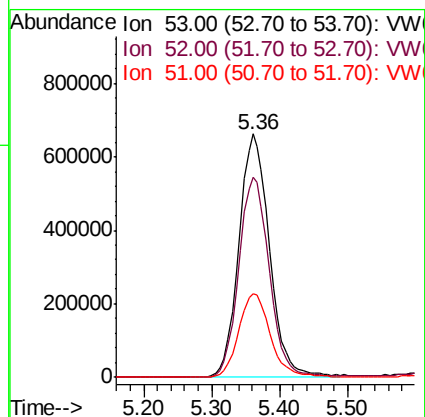
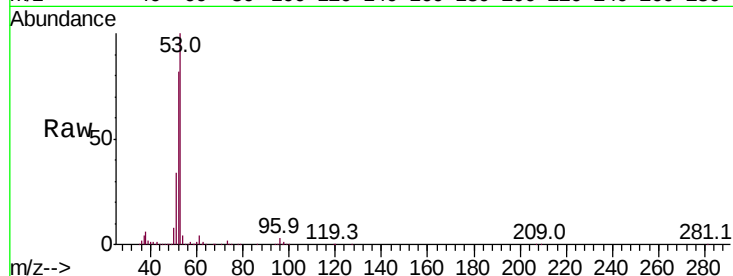
51 35.8 30.3 45.5

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#16

Acetone

Concen: 474.178 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010334.D

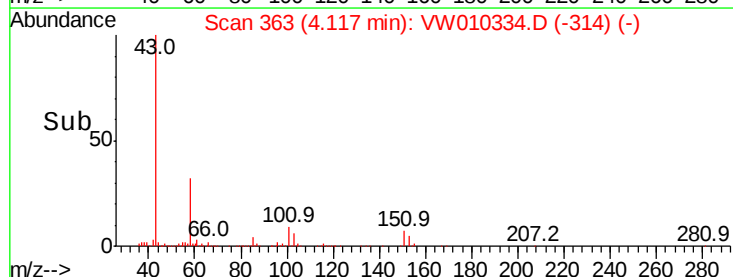
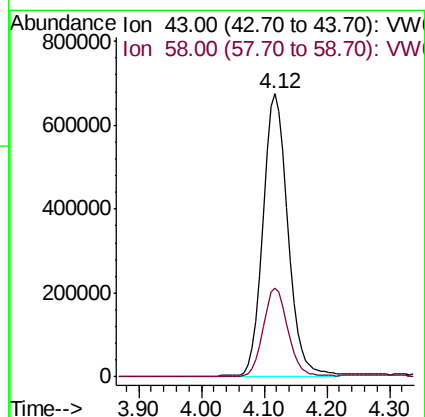
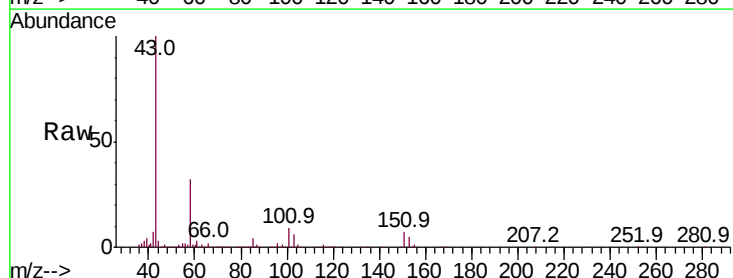
Acq: 09 May 2019 13:02

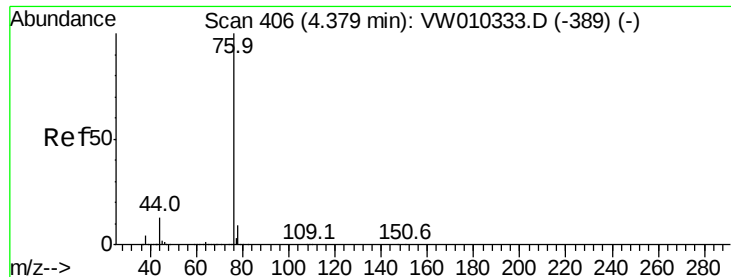
Tgt Ion: 43 Resp: 1868126

Ion Ratio Lower Upper

43 100

58 31.5 22.7 34.1





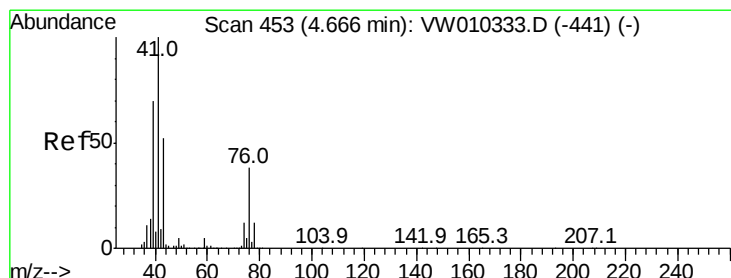
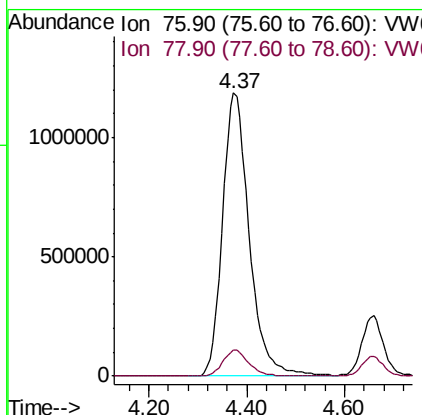
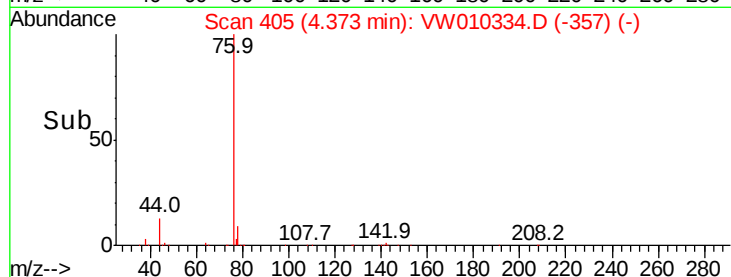
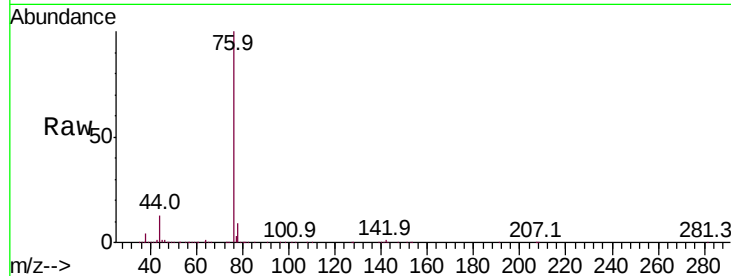
#17
Carbon Disulfide
Concen: 120.369 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 4491305
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

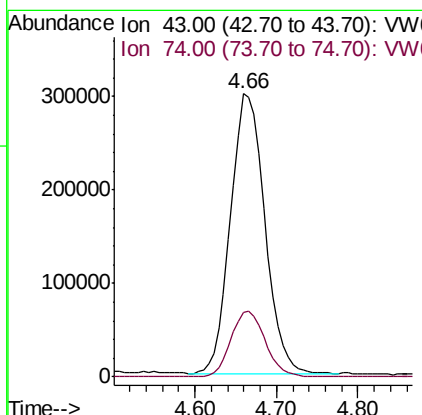
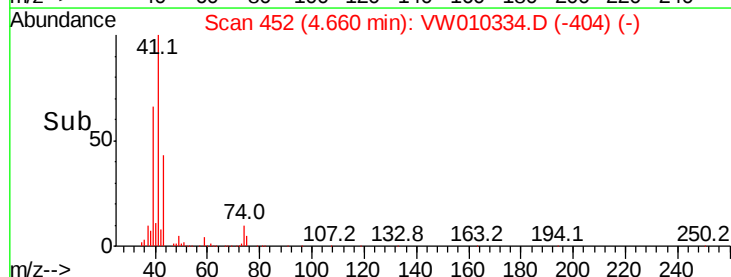
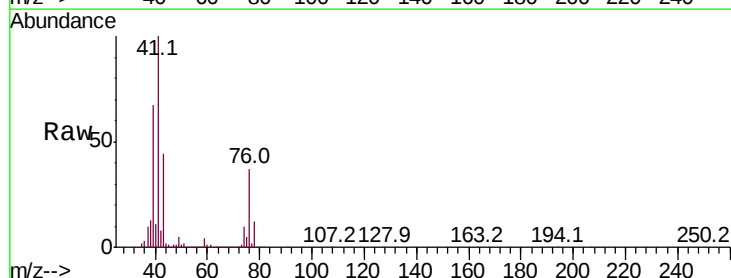
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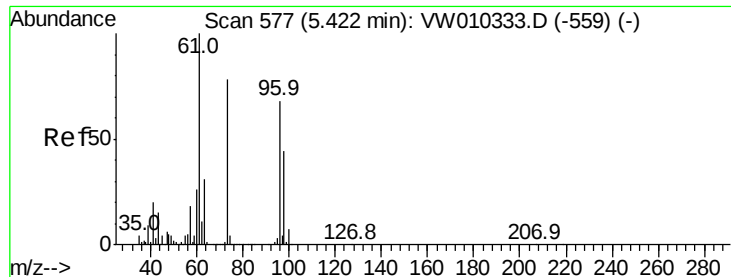
MMDadoda
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#18
Methyl Acetate
Concen: 96.039 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 43 Resp: 875692
Ion Ratio Lower Upper
43 100
74 23.5 16.8 25.2





#19

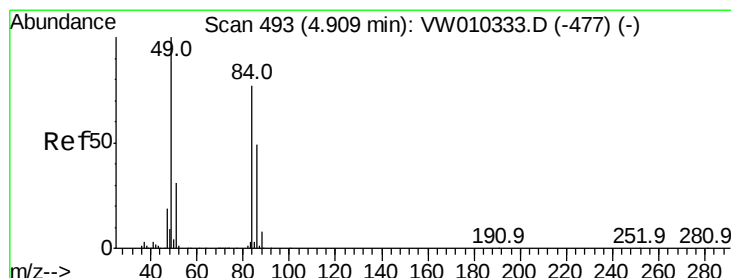
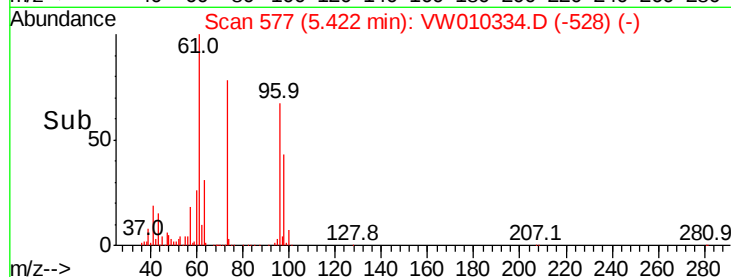
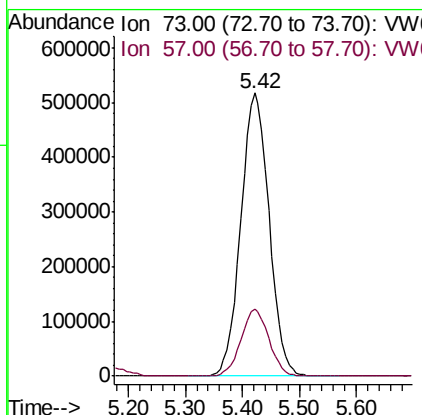
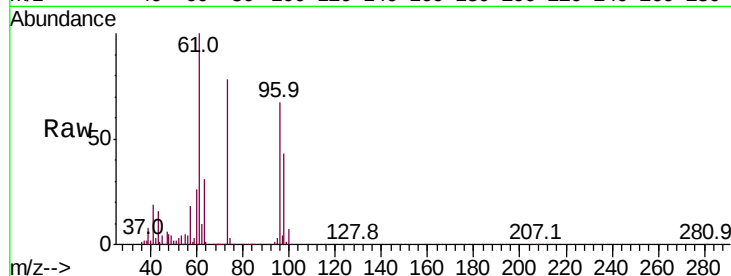
Methvl tert-butvl Ether
 Concen: 101.051 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1785358
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.5 27.7

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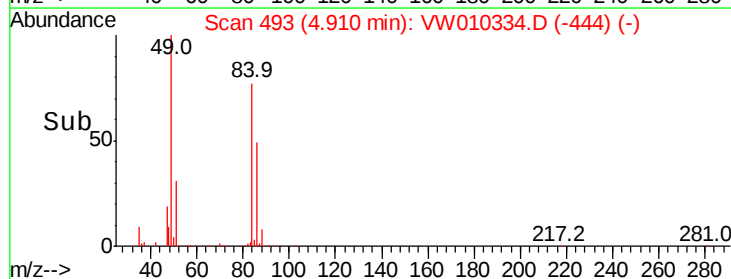
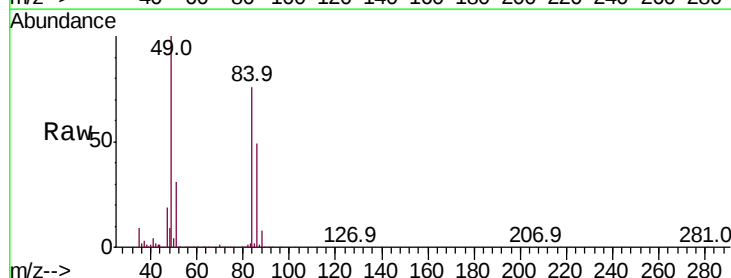
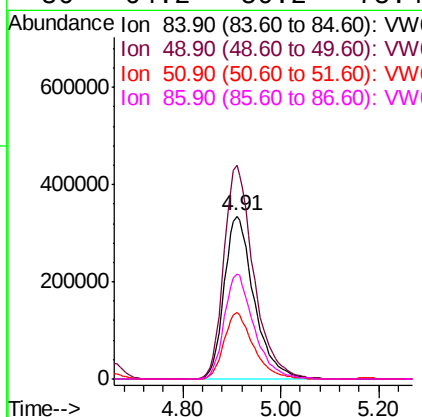
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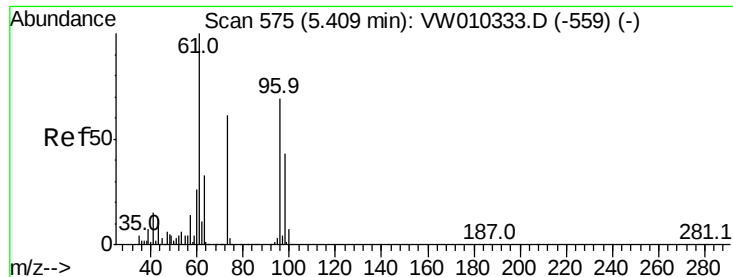


#20

Methylene Chloride
 Concen: 78.418 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion: 84 Resp: 1421331
 Ion Ratio Lower Upper
 84 100
 49 131.3 112.3 168.5
 51 40.9 33.9 50.9
 86 64.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 106.639 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1570773

Ion Ratio Lower Upper

96 100

61 146.9 122.3 183.5

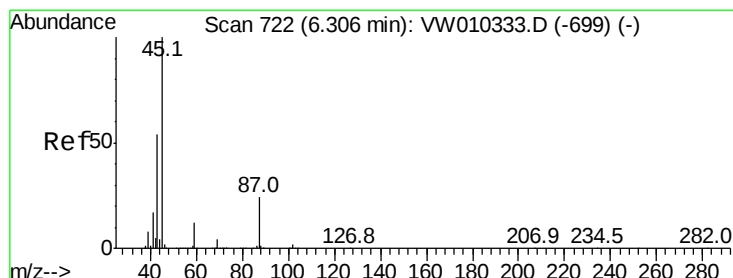
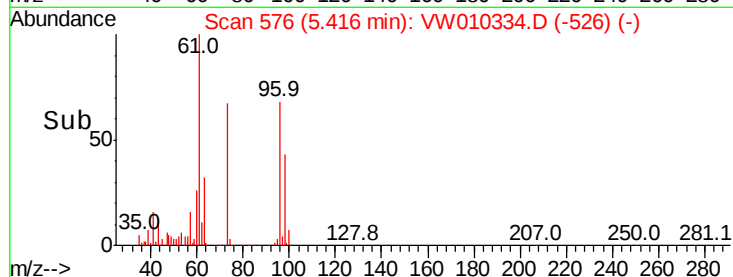
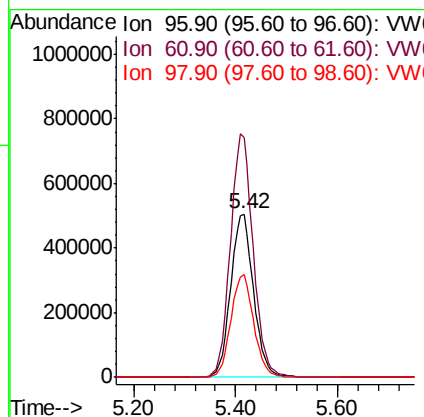
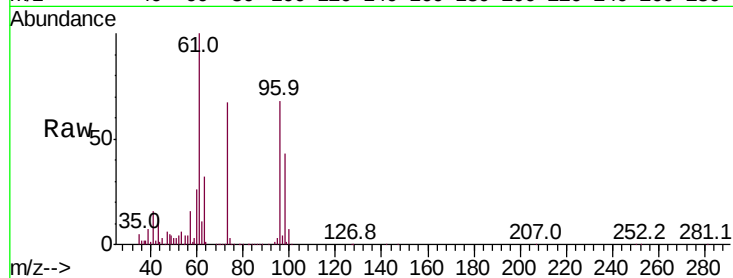
98 62.6 50.5 75.7

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#22

Diisopropyl ether

Concen: 87.658 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tgt Ion: 45 Resp: 4299971

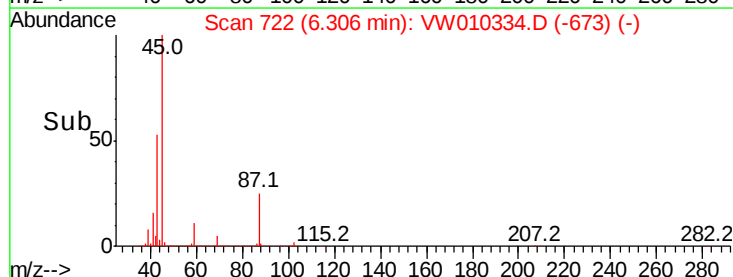
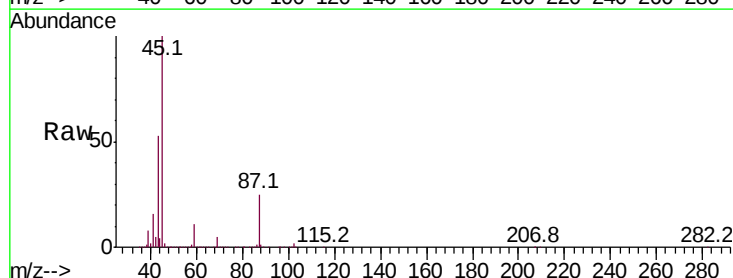
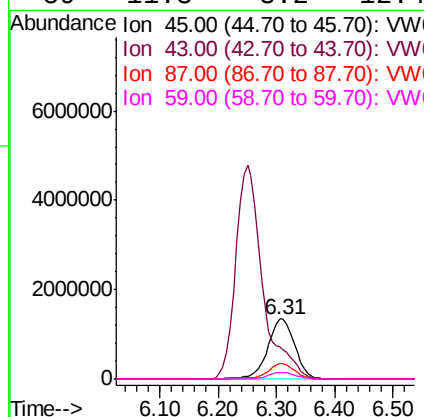
Ion Ratio Lower Upper

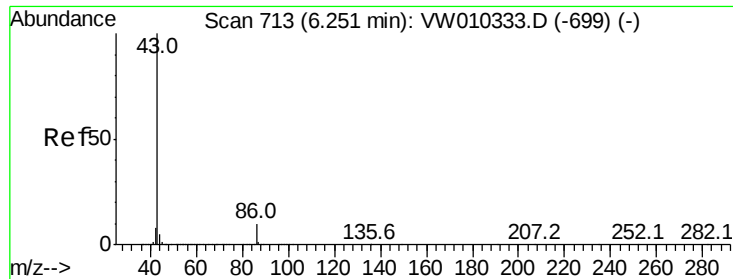
45 100

43 53.2 46.1 69.1

87 25.1 18.3 27.5

59 11.3 8.2 12.4





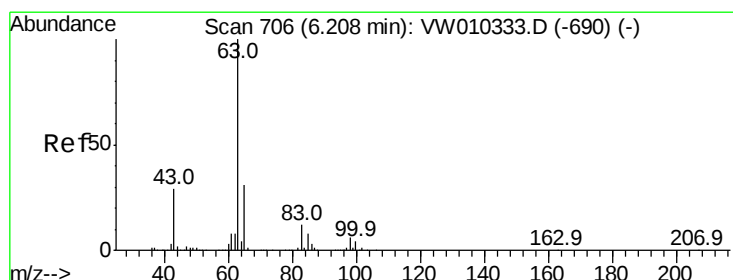
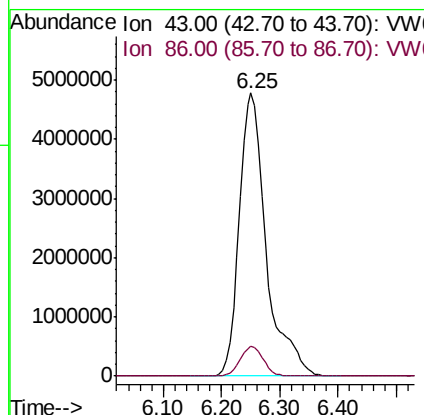
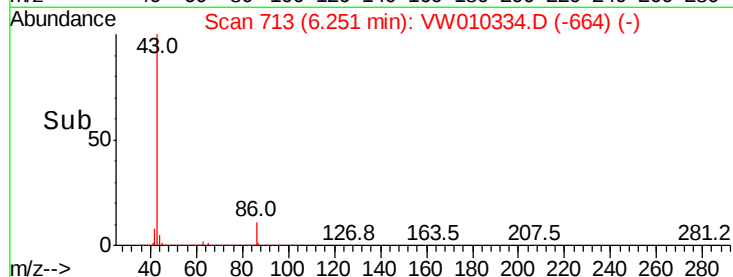
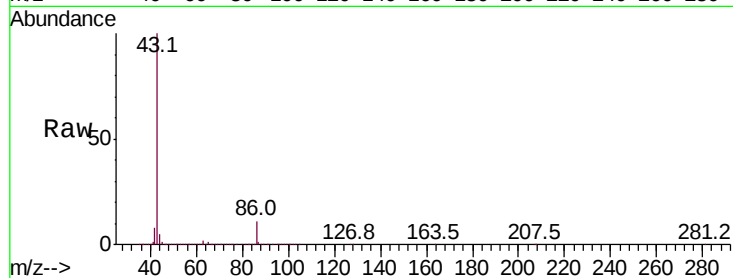
#23
 Vinyl Acetate
 Concen: 497.336 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp:15357830
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.0 10.6

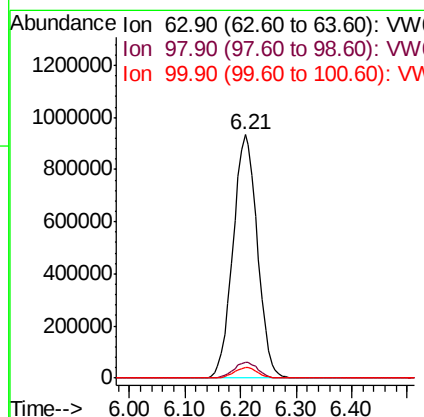
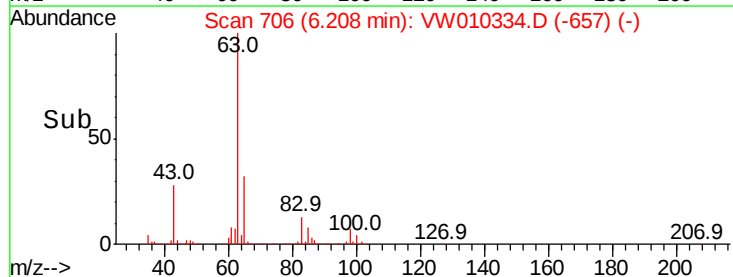
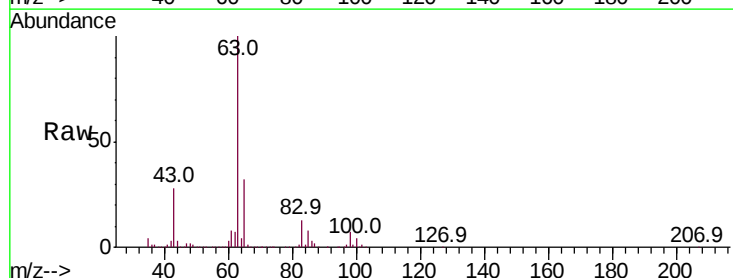
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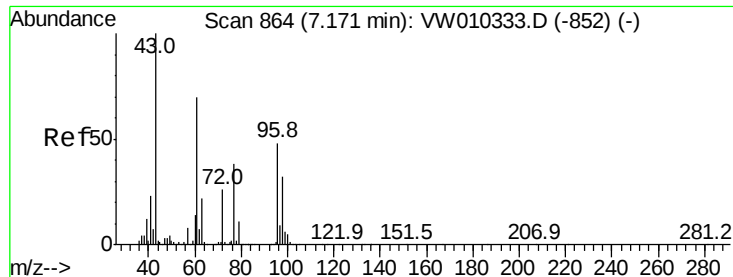
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#24
 1,1-Dichloroethane
 Concen: 96.465 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion: 63 Resp: 2828779
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 568.799 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2943684

Ion Ratio Lower Upper

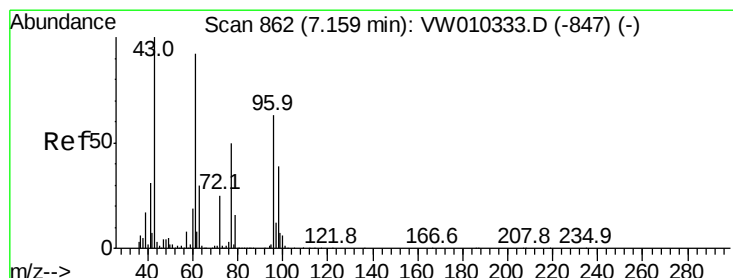
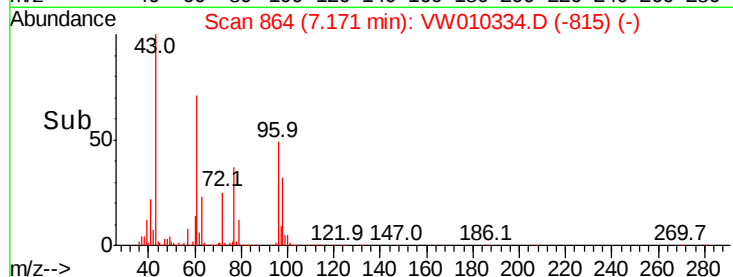
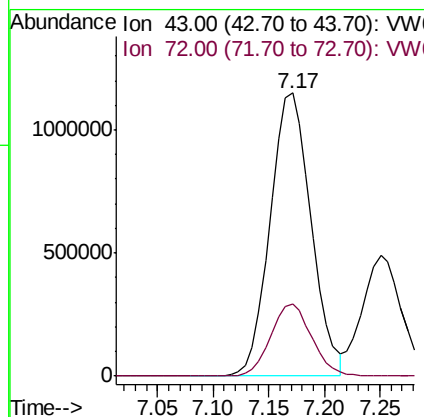
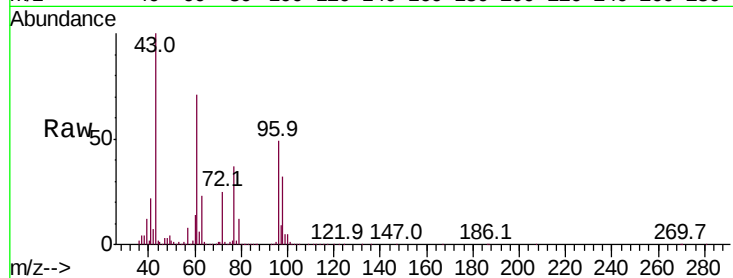
43 100

72 25.3 19.1 28.7

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 85.513 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010334.D

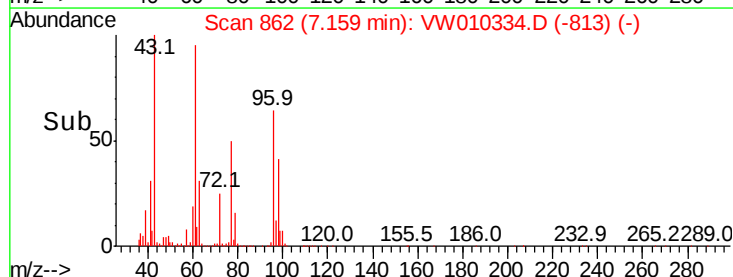
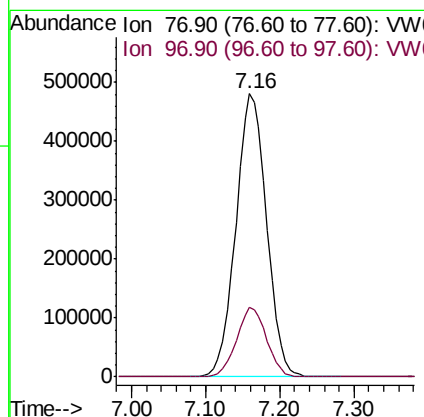
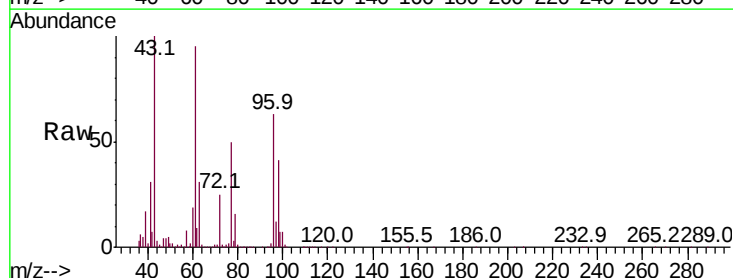
Acq: 09 May 2019 13:02

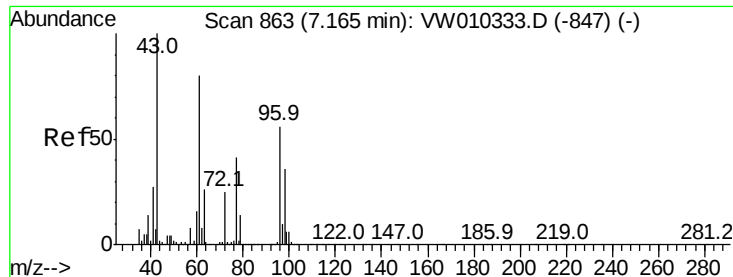
Tgt Ion: 77 Resp: 1387359

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.9





#27

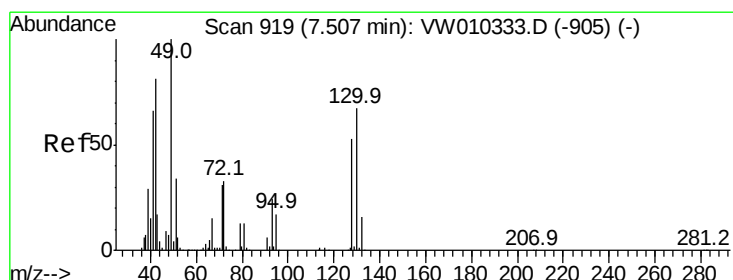
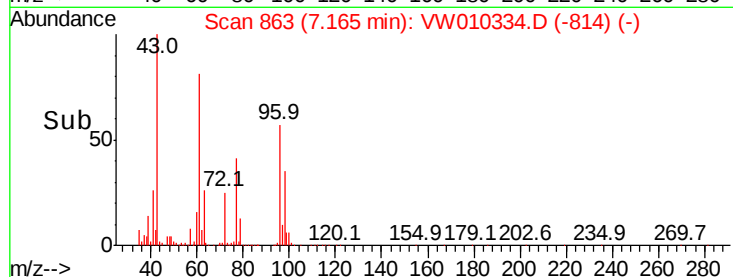
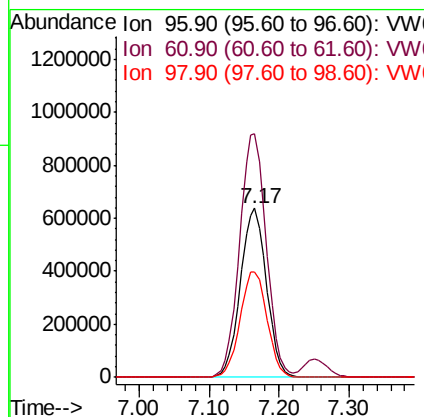
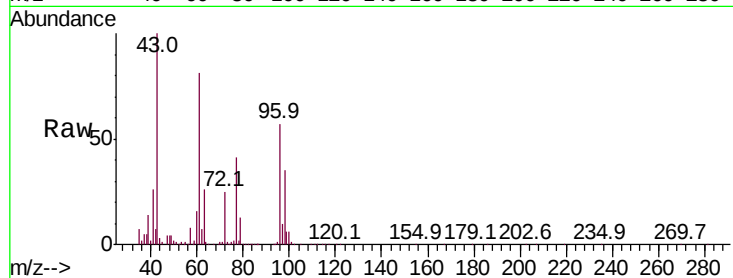
cis-1,2-Dichloroethene
Concen: 101.915 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	309.4
98	64.3	0.0	128.6

Manual Integrations
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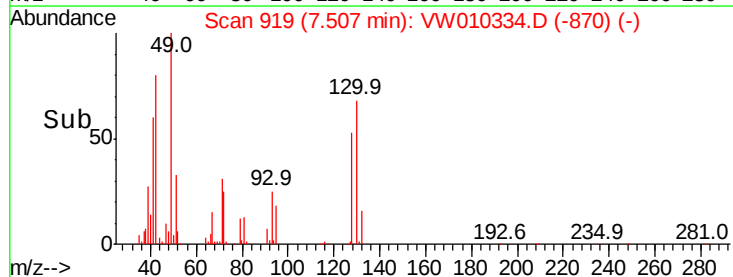
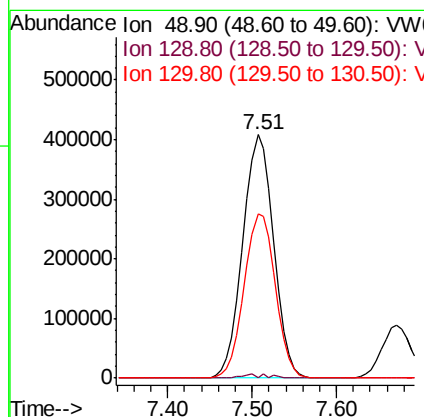
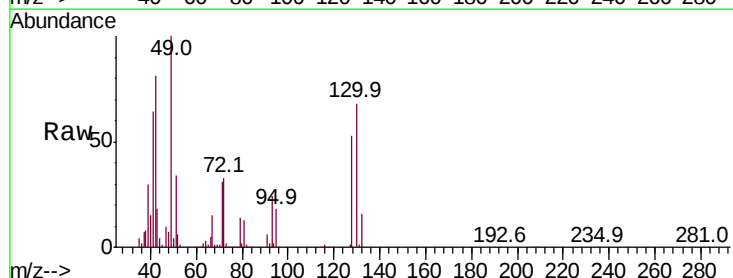
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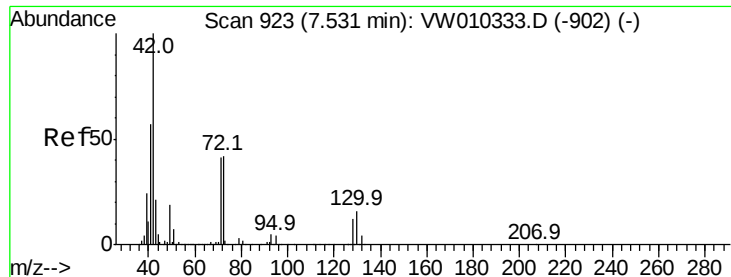


#28

Bromochloromethane
Concen: 84.257 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	68.2	54.6	82.0





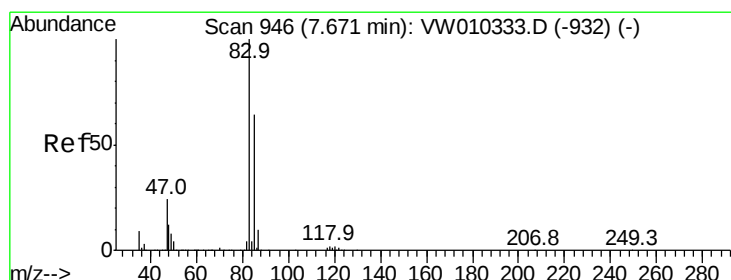
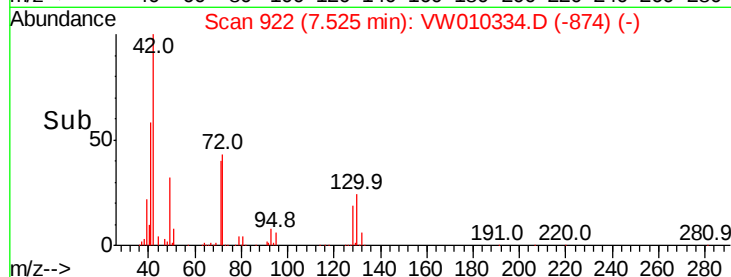
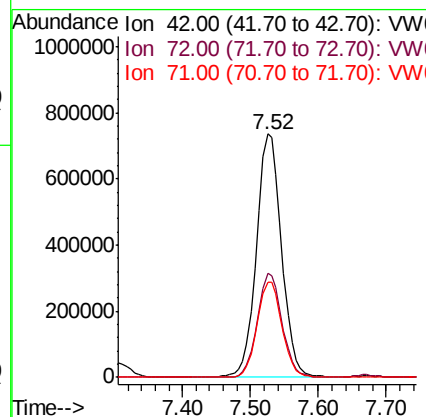
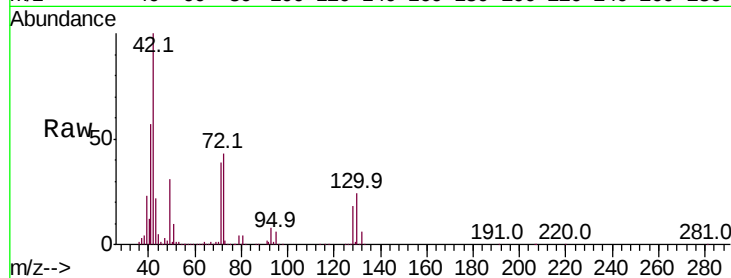
#29
Tetrahydrofuran
Concen: 577.780 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.0	46.6
71	39.1	29.7	44.5

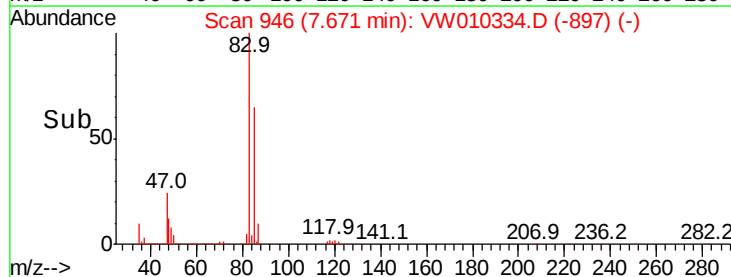
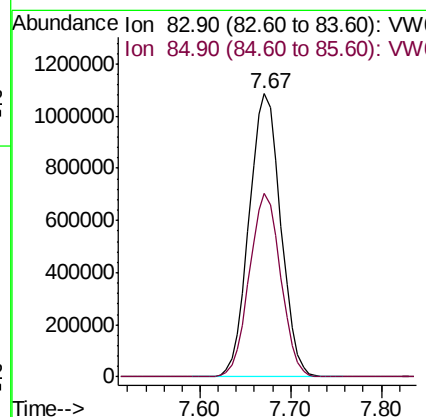
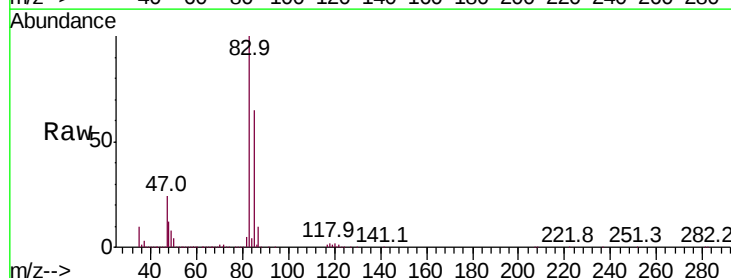
Manual Integrations
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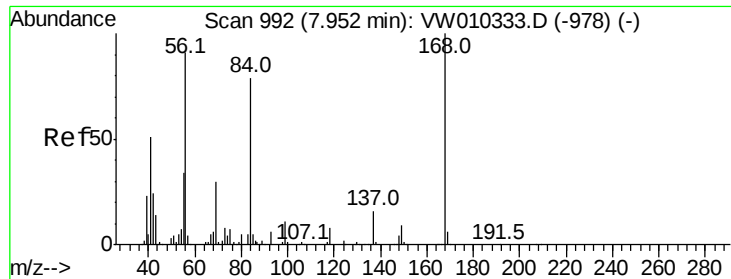
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#30
Chloroform
Concen: 89.471 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





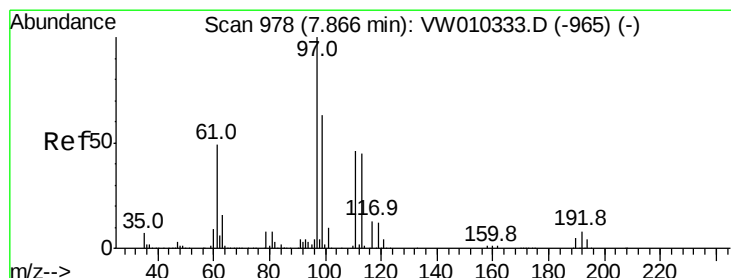
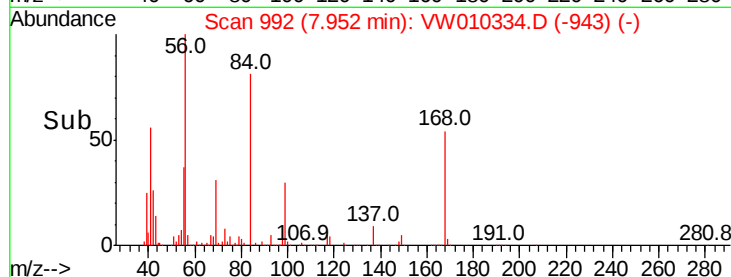
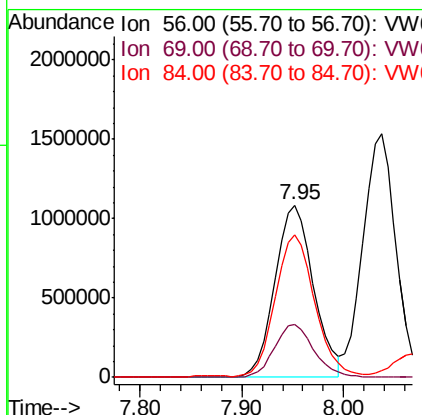
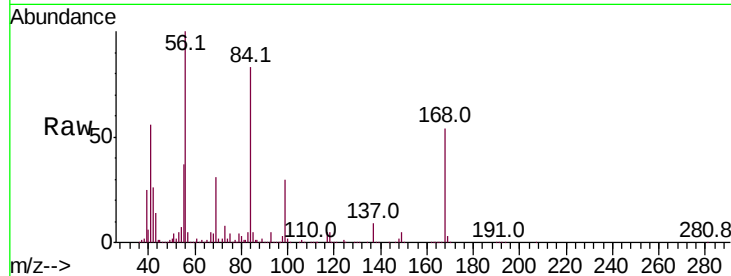
#31
Cvclohexane
Concen: 103.851 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 2851748
Ion Ratio Lower Upper
56 100
69 30.9 26.6 40.0
84 82.4 66.2 99.2

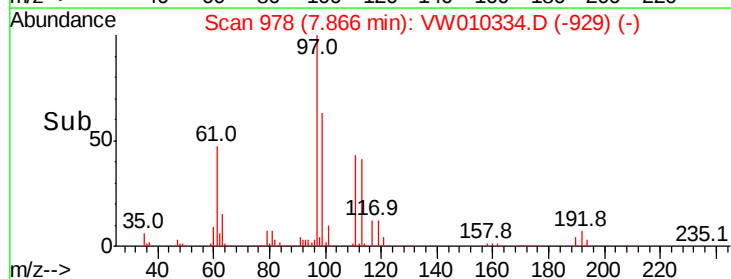
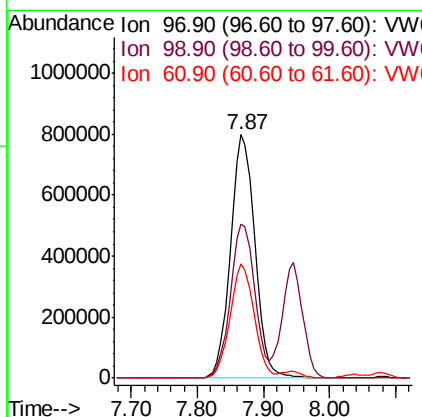
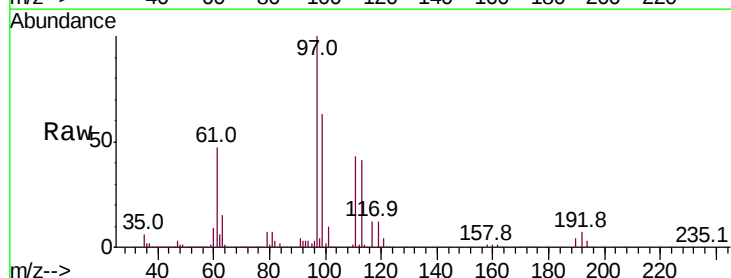
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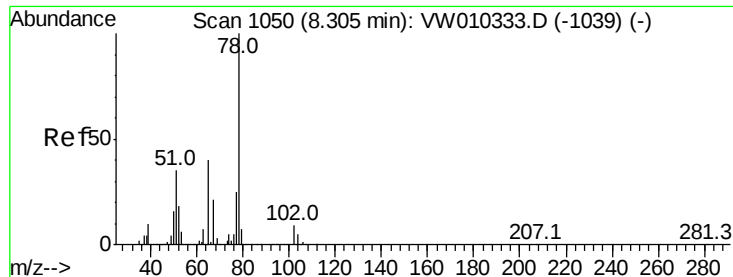
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#32
1,1,1-Trichloroethane
Concen: 88.418 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 97 Resp: 2039577
Ion Ratio Lower Upper
97 100
99 63.6 50.2 75.2
61 46.2 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 81.786 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 1388732

Ion Ratio Lower Upper

65 100

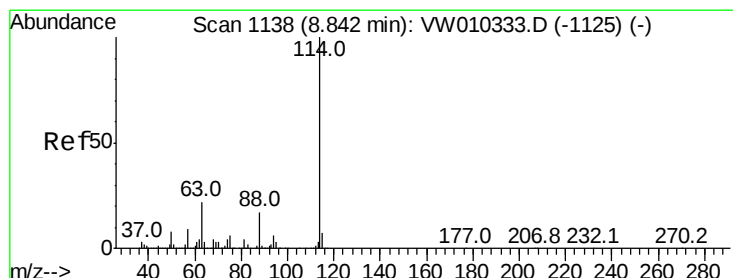
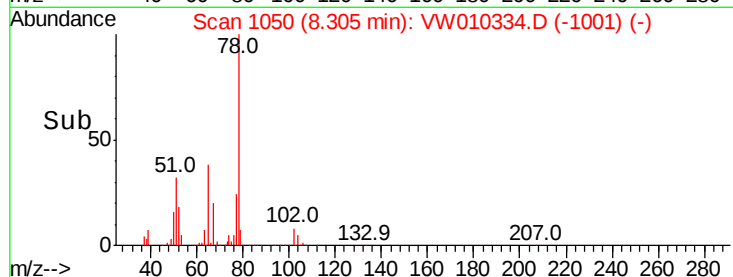
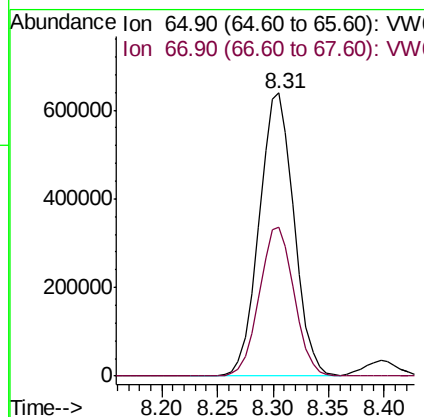
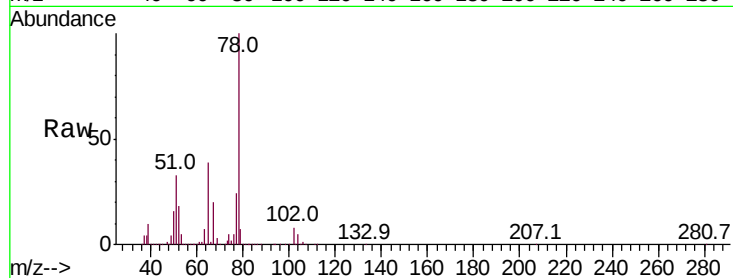
67 52.6 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

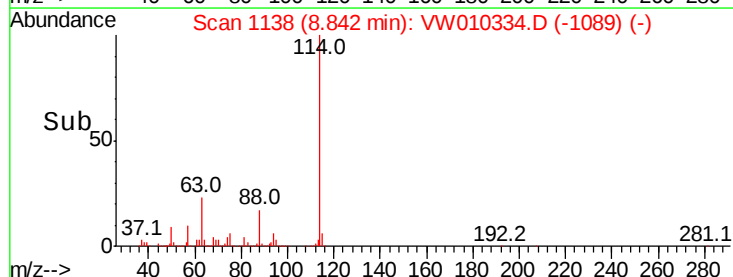
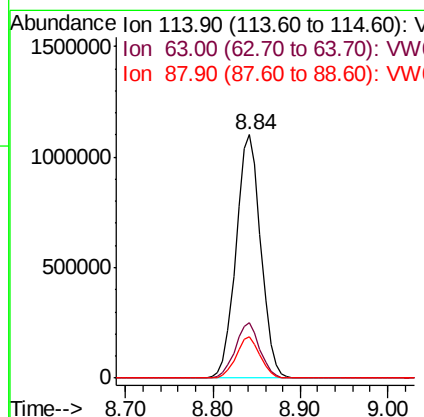
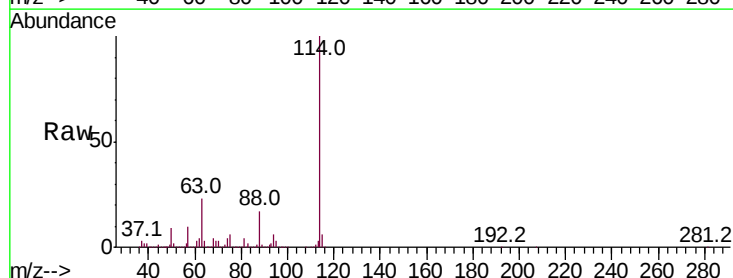
Tgt Ion: 114 Resp: 2167354

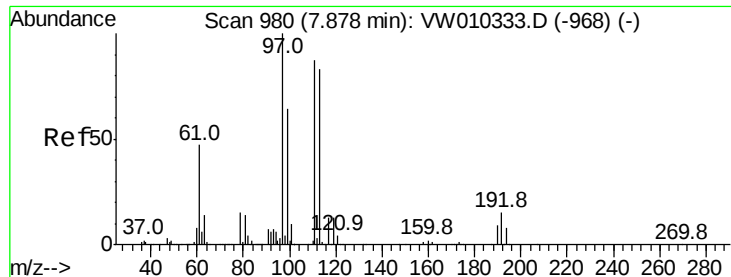
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

88 17.0 0.0 32.6





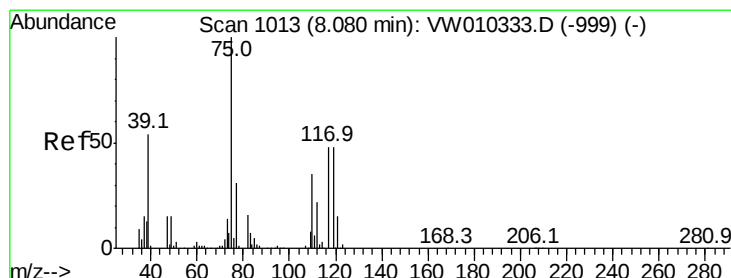
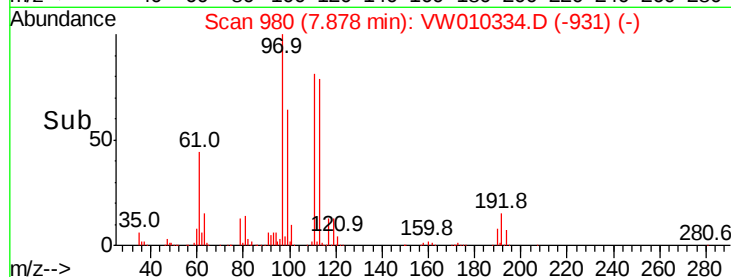
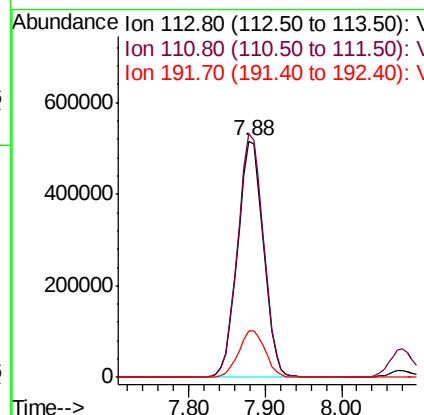
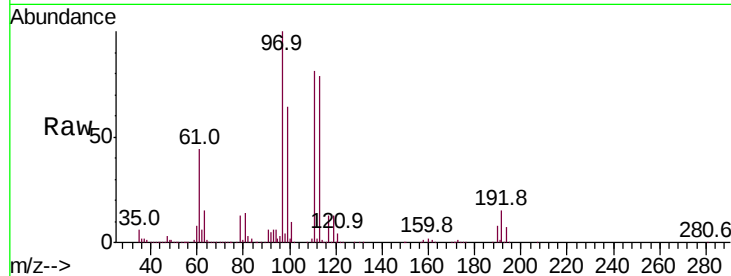
#35
 Dibromofluoromethane
 Concen: 87.940 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.0	15.4	23.2

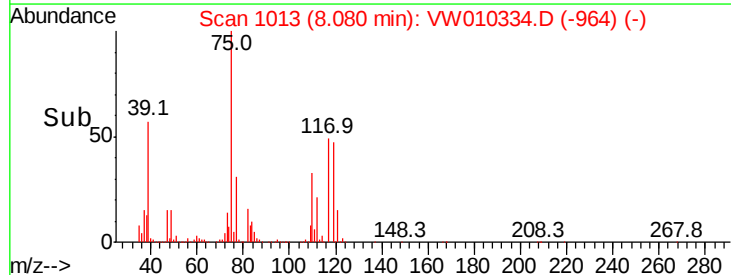
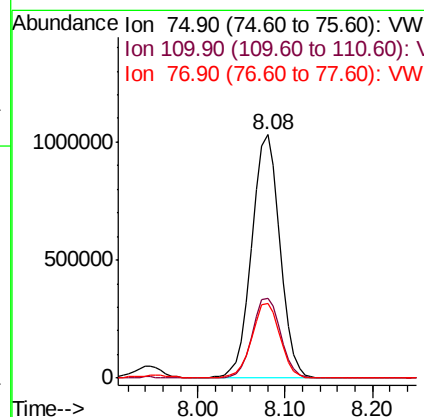
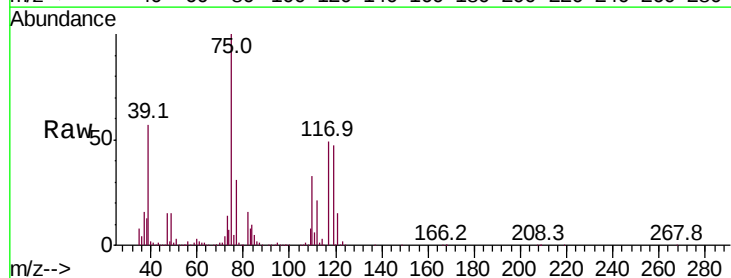
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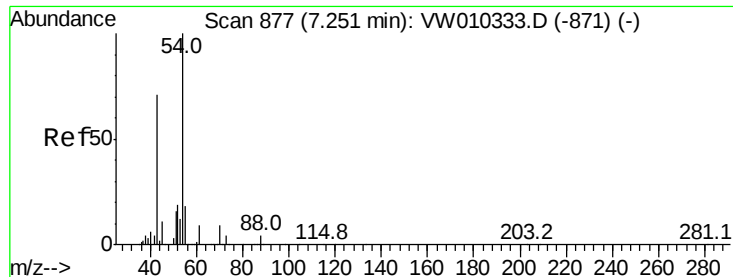
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#36
 1,1-Dichloropropene
 Concen: 104.175 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.9	24.8	37.2





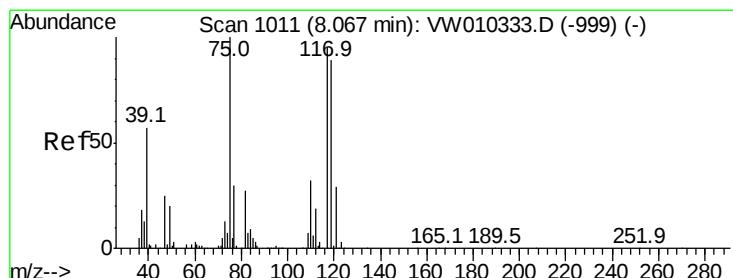
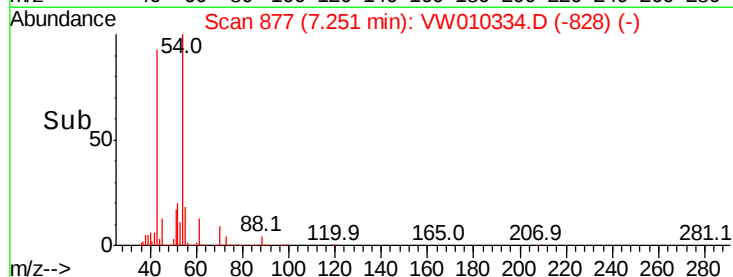
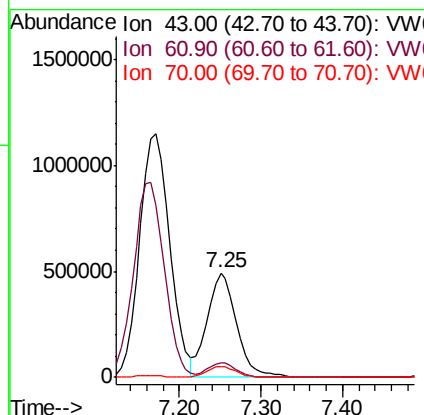
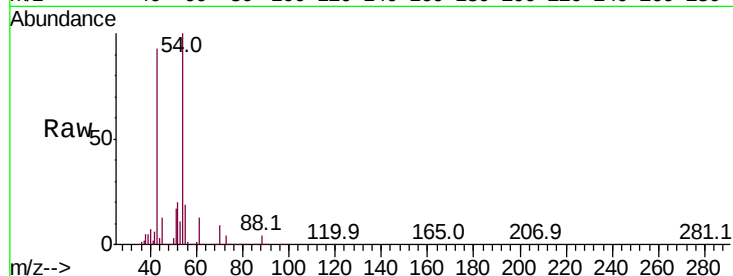
#37
Ethyl Acetate
Concen: 110.143 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1239098
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.8
70 10.2 7.4 11.0

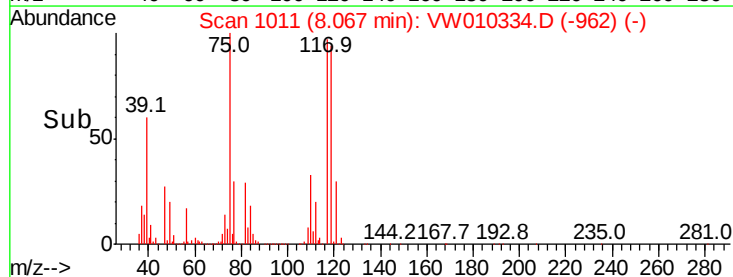
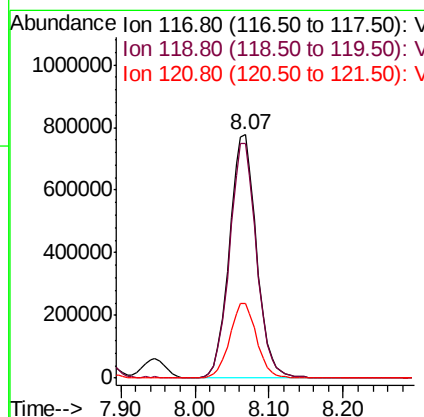
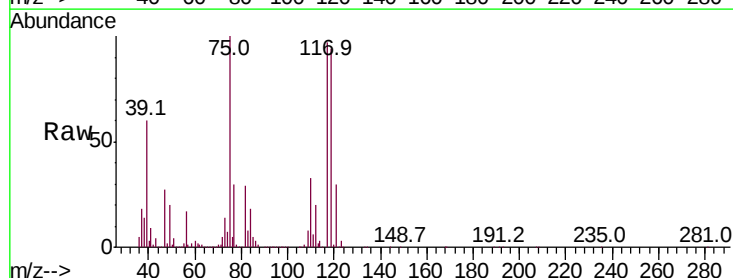
Manual Integrations
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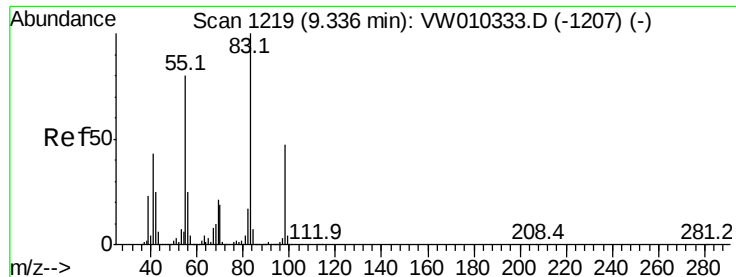
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#38
Carbon Tetrachloride
Concen: 91.420 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 117 Resp: 1975308
Ion Ratio Lower Upper
117 100
119 96.2 75.3 112.9
121 30.5 24.4 36.6





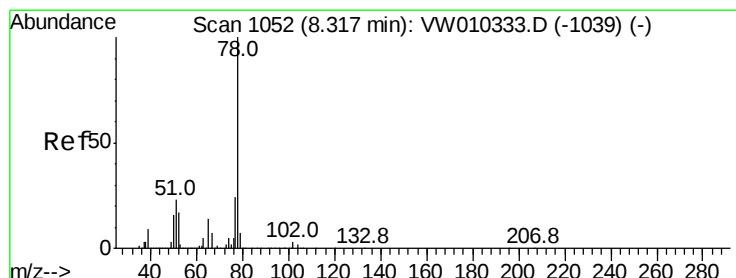
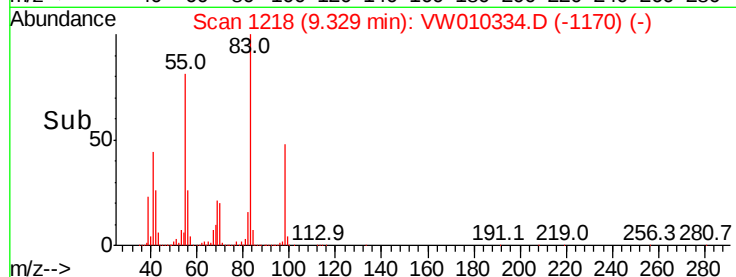
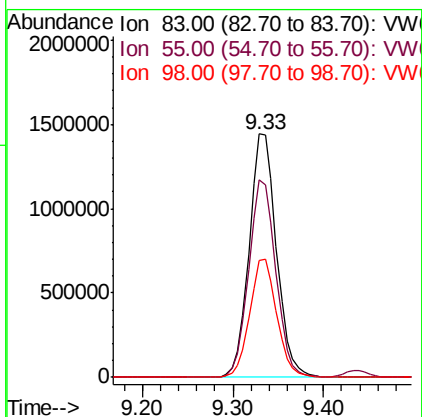
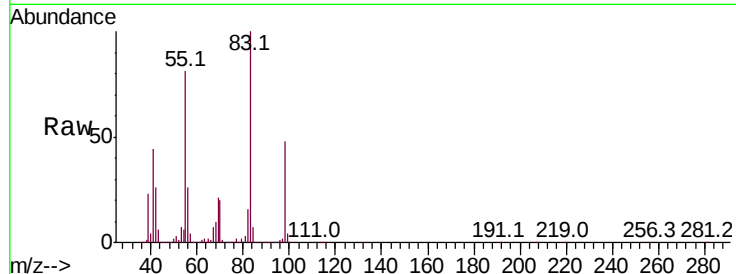
#39
Methvlcvclohexane
Concen: 120.776 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	67.1	100.7
98	47.9	39.2	58.8

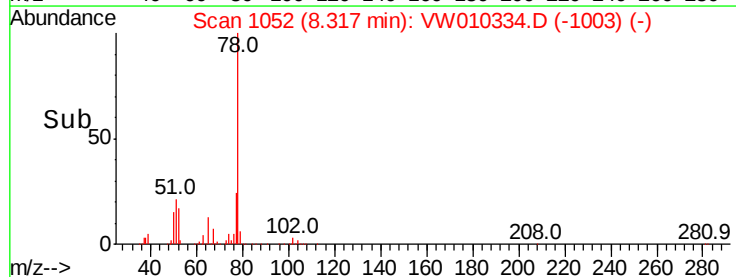
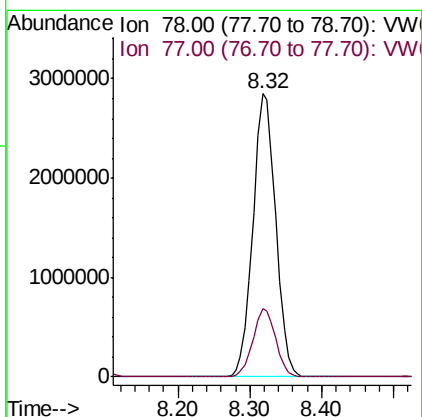
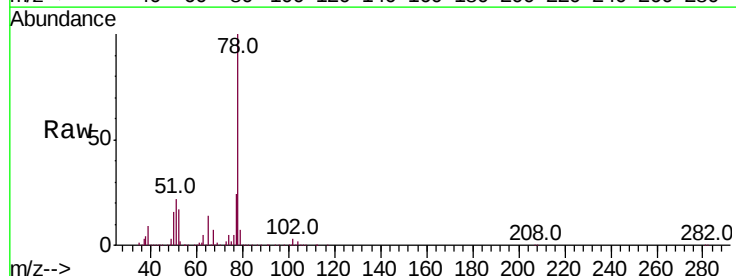
Manual Integrations
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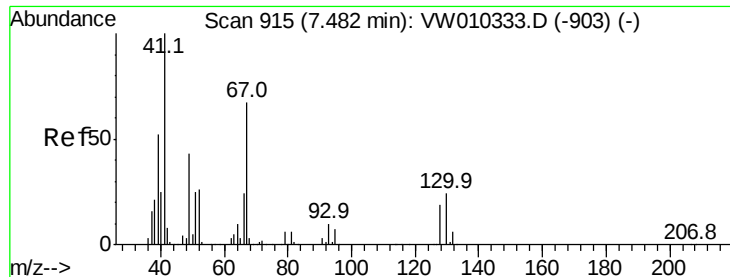
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#40
Benzene
Concen: 103.553 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





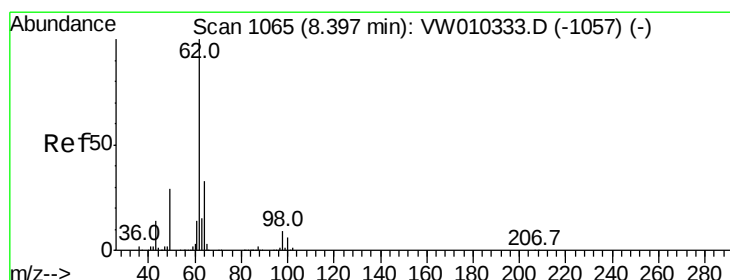
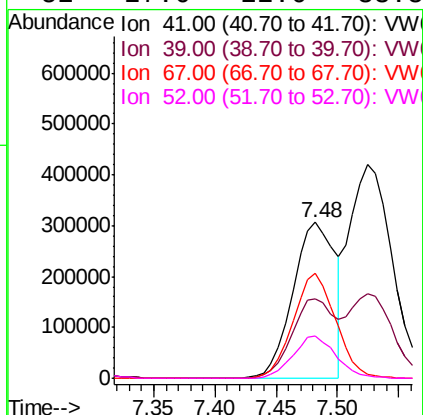
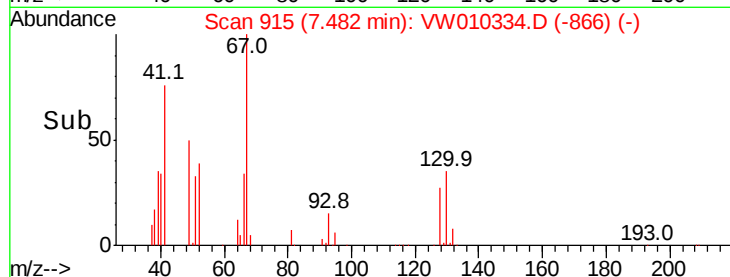
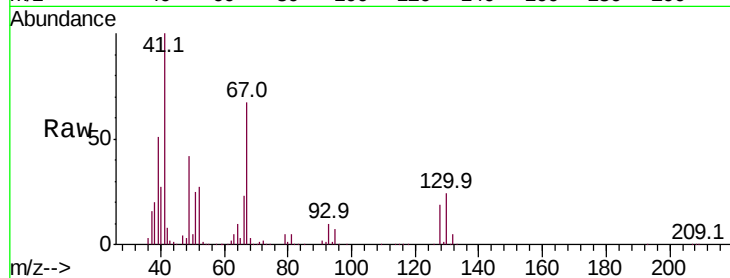
#41
Methacrylonitrile
Concen: 114.766 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.0	67.4
67	68.2	50.7	76.1
52	27.6	22.6	33.8

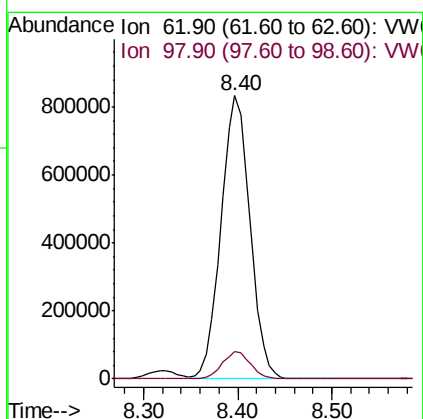
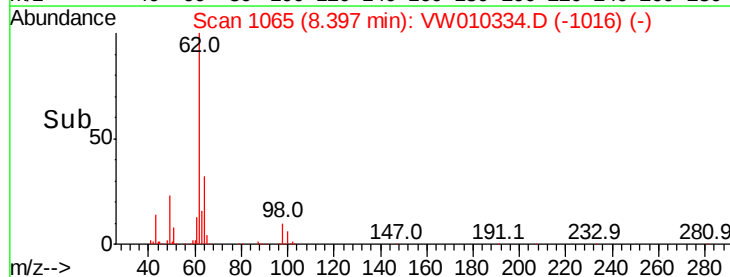
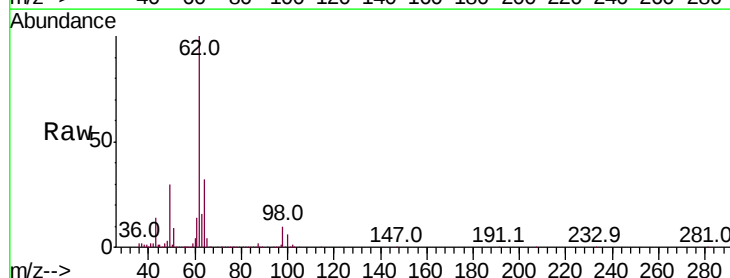
Manual Integrations
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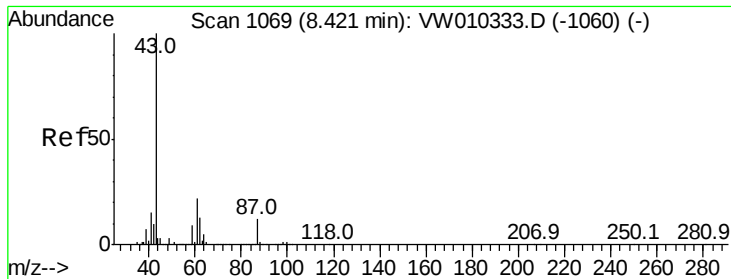
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#42
1,2-Dichloroethane
Concen: 85.222 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 101.949 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2149199

Ion Ratio Lower Upper

43 100

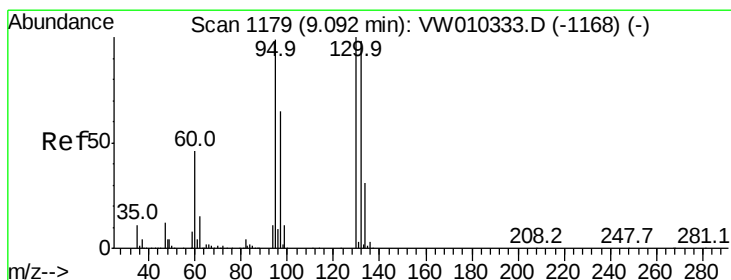
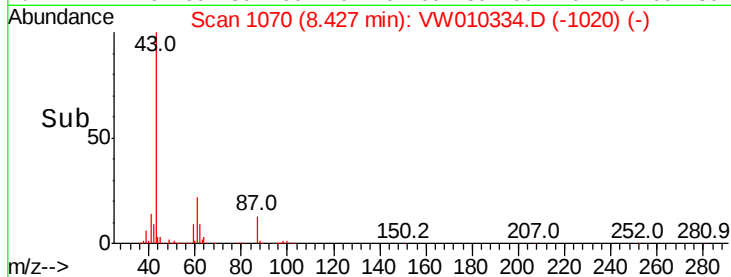
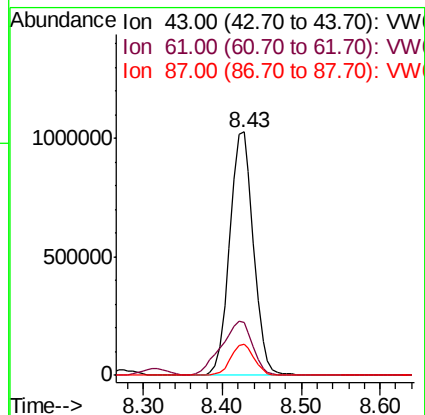
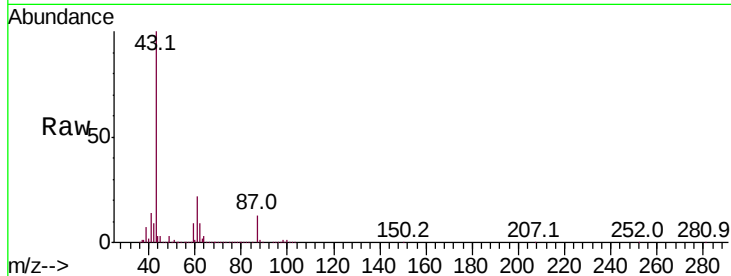
61 29.3 23.0 34.6

87 12.6 9.3 13.9

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#44

Trichloroethene

Concen: 103.513 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010334.D

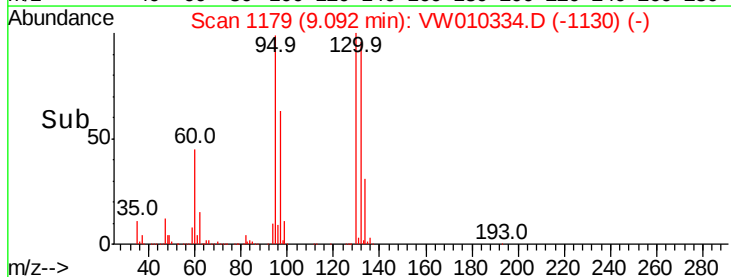
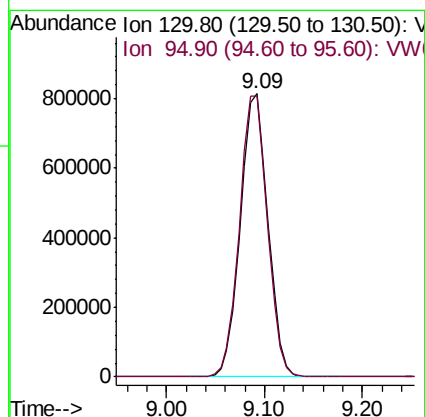
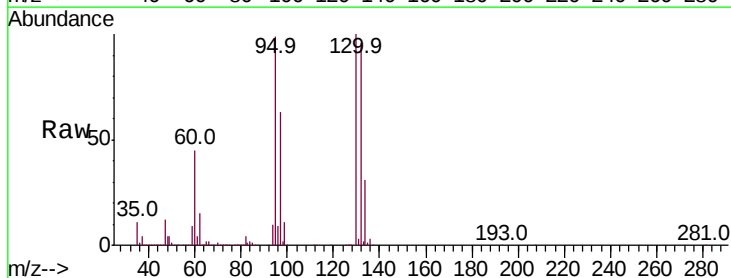
Acq: 09 May 2019 13:02

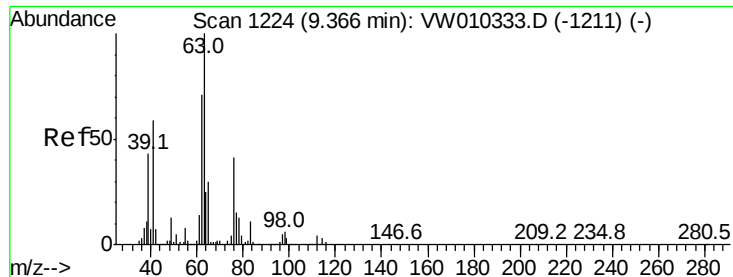
Tgt Ion:130 Resp: 1591515

Ion Ratio Lower Upper

130 100

95 99.4 0.0 205.4





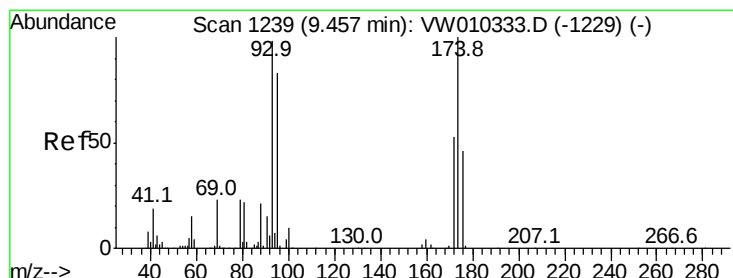
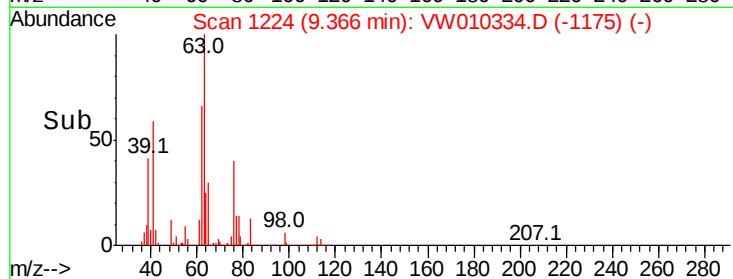
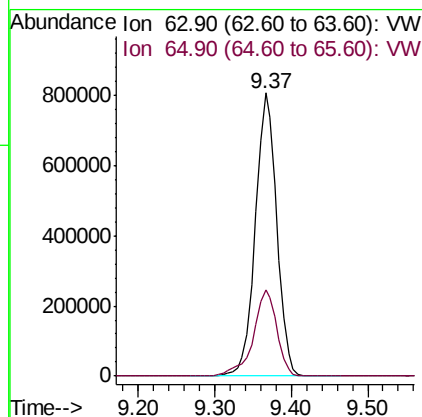
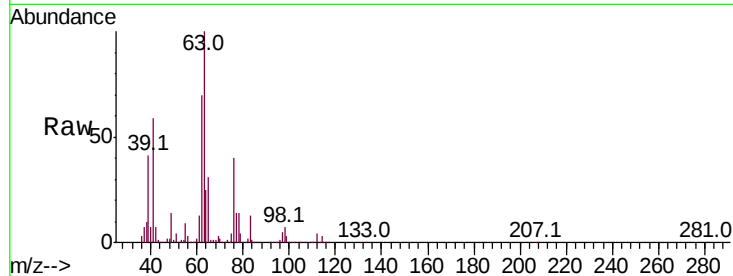
#45
 1,2-Dichloropropane
 Concen: 98.845 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.6

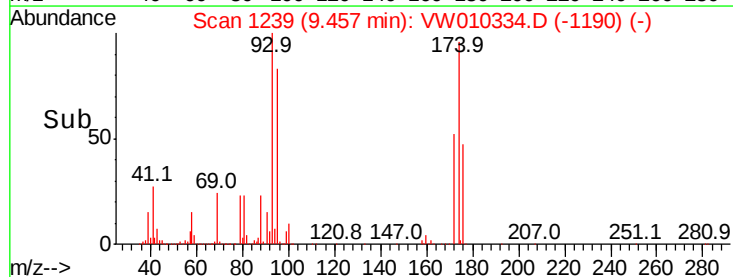
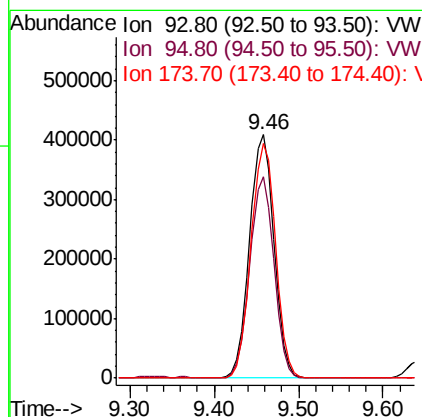
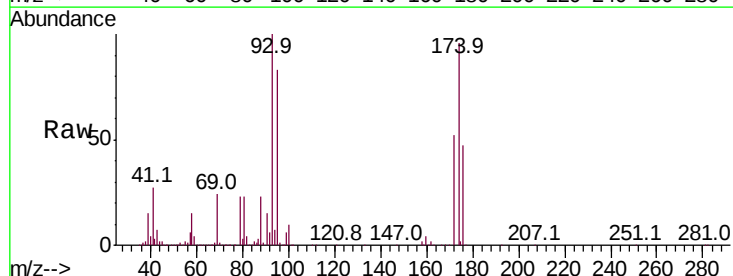
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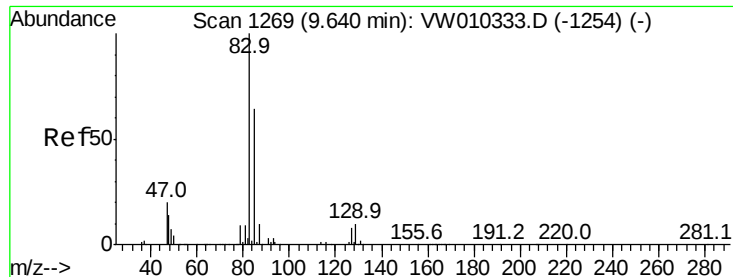
MMDadoda
 5/10/2019 10:07:27 AM



#46
 Dibromomethane
 Concen: 96.601 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	97.5	75.5	113.3





#47

Bromodichloromethane

Concen: 92.184 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 1962466

Ion Ratio Lower Upper

83 100

85 62.8 50.6 75.8

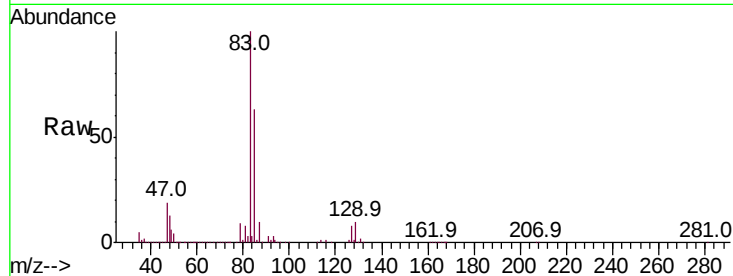
127 7.7 6.6 10.0

Manual Integrations

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MMDadoda

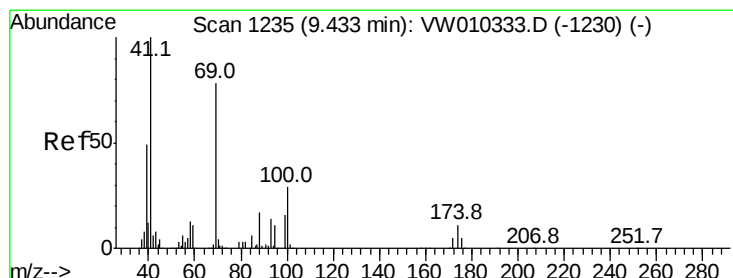
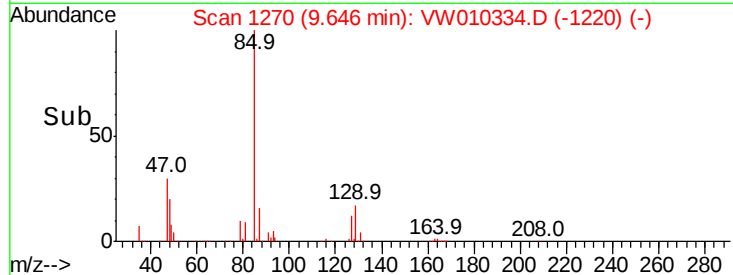
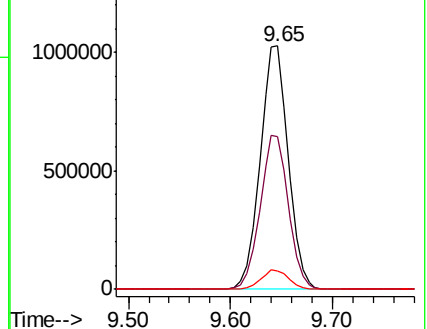
5/10/2019 10:07:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 100.829 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

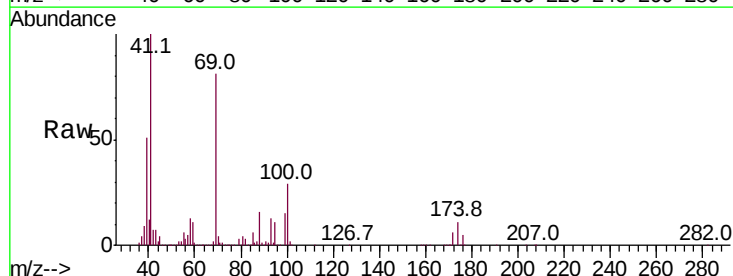
Tgt Ion: 41 Resp: 1034689

Ion Ratio Lower Upper

41 100

69 86.4 60.1 90.1

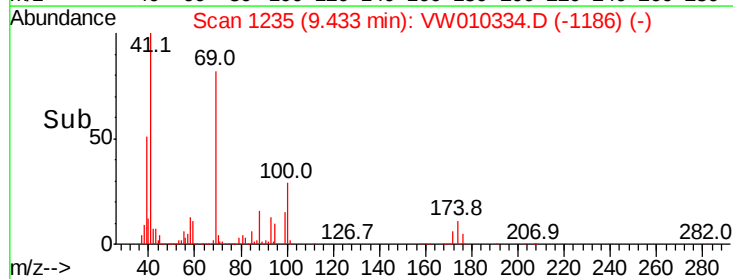
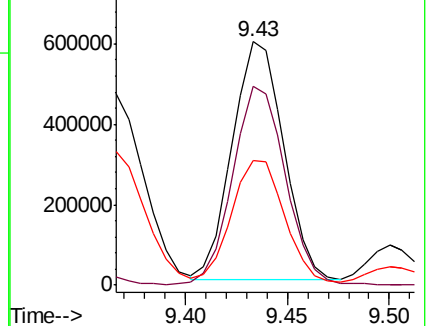
39 52.1 51.0 76.6

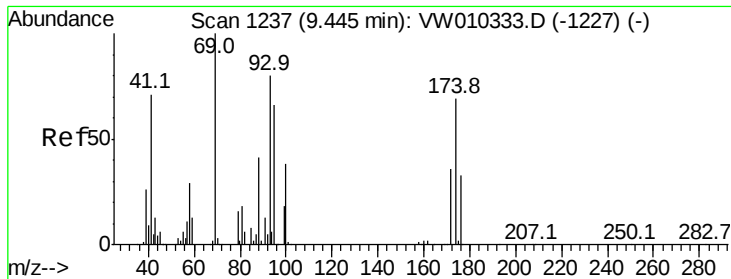


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





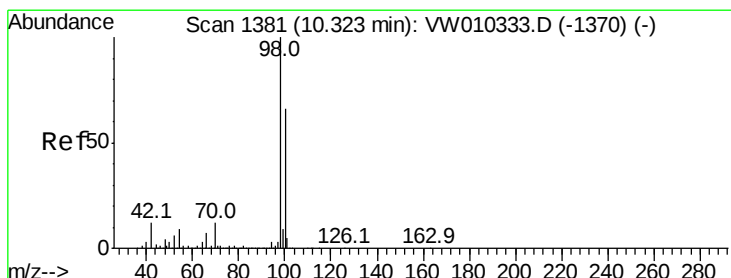
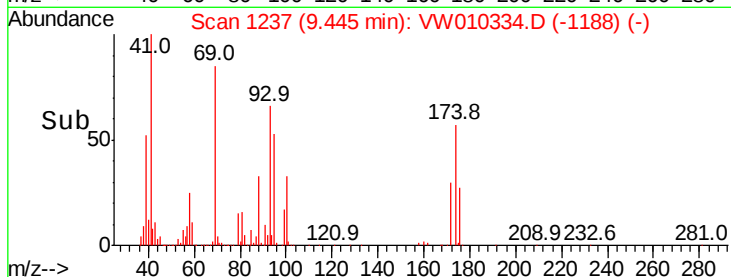
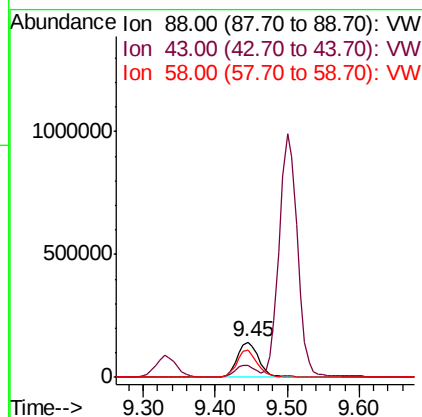
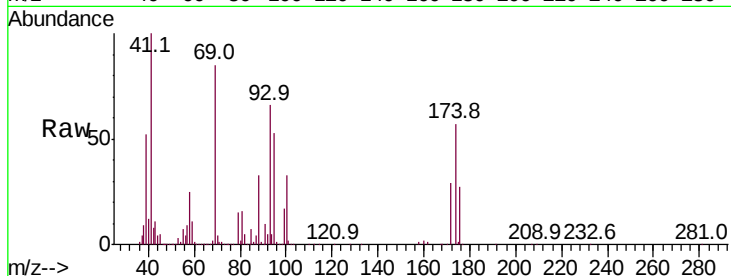
#49
1,4-Dioxane
Concen: 2366.228 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	298170		
43	32.7		31.9	47.9
58	76.0		61.8	92.6

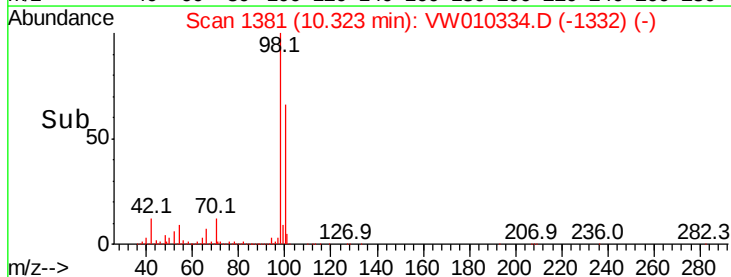
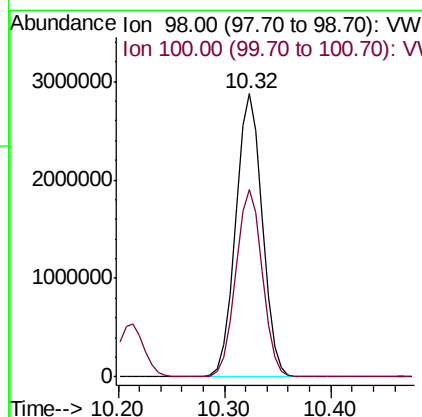
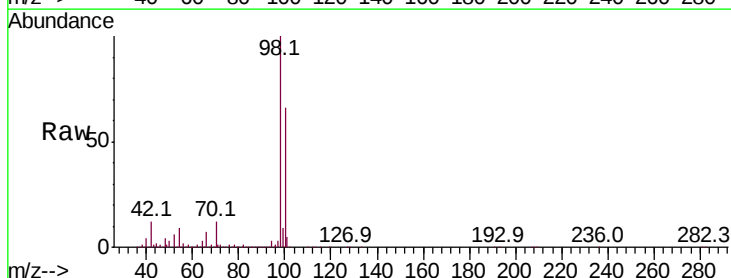
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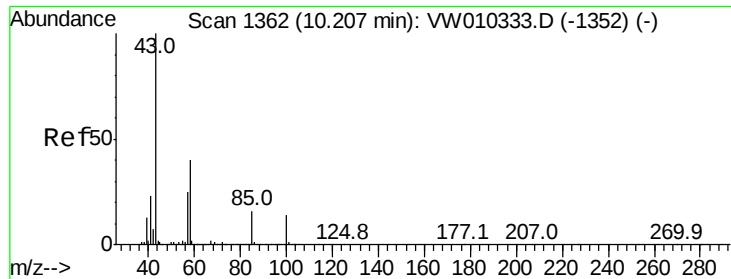
MMDadoda
5/10/2019 10:07:27 AM



#50
Toluene-d8
Concen: 97.544 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	5036520		
100	66.1		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 550.459 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6077807

Ion Ratio Lower Upper

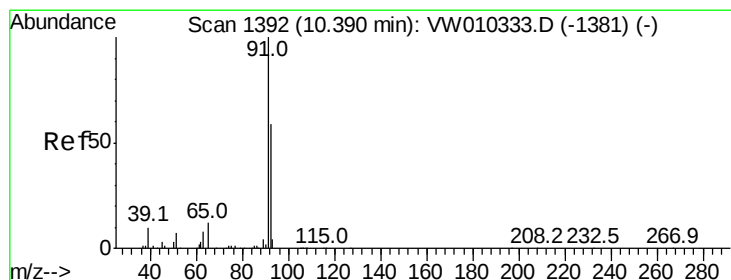
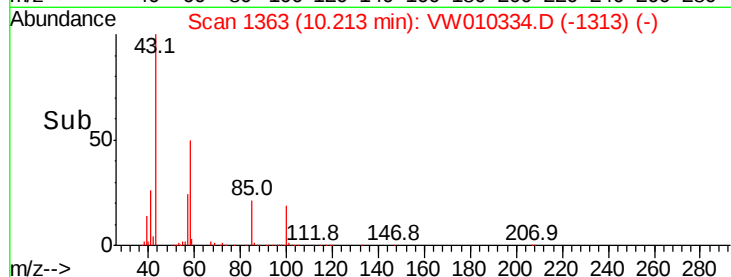
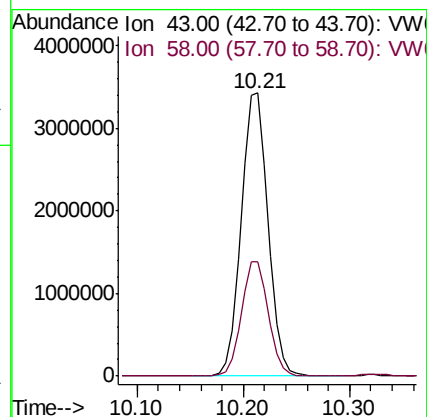
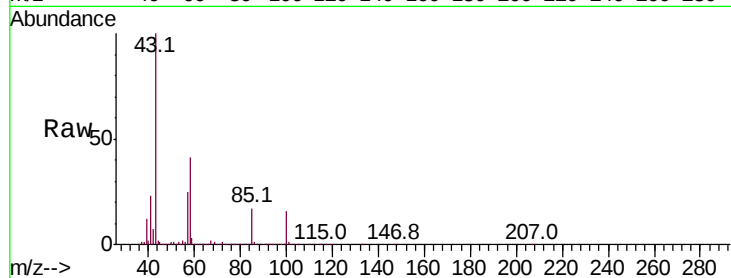
43 100

58 40.3 28.9 43.3

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MMDadoda

5/10/2019 10:07:27 AM



#52

Toluene

Concen: 103.953 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010334.D

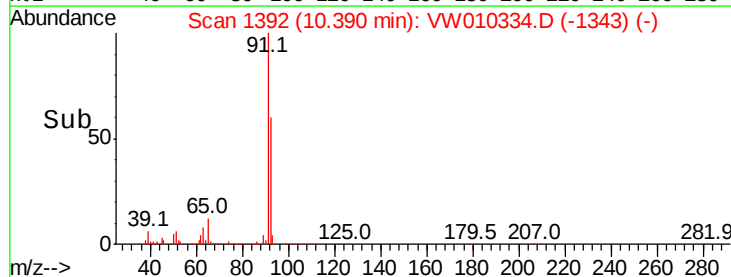
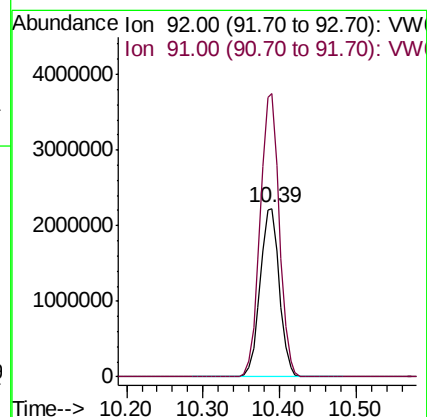
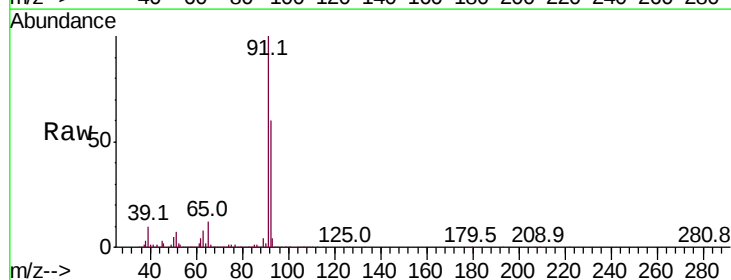
Acq: 09 May 2019 13:02

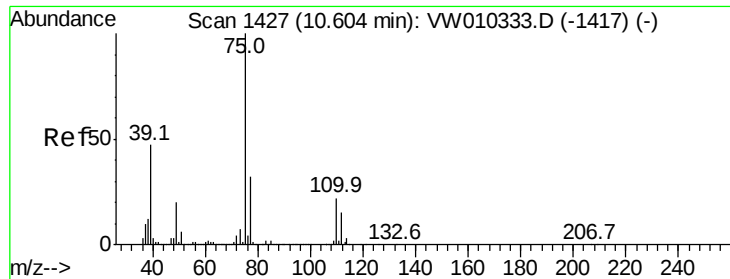
Tgt Ion: 92 Resp: 3919840

Ion Ratio Lower Upper

92 100

91 168.2 138.5 207.7





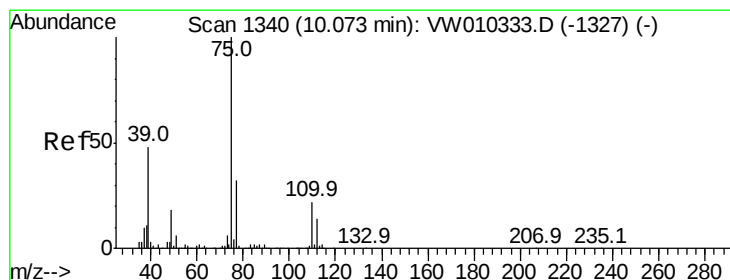
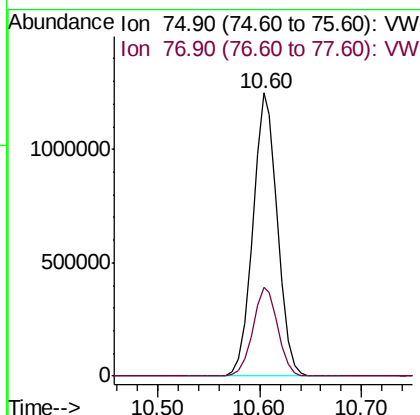
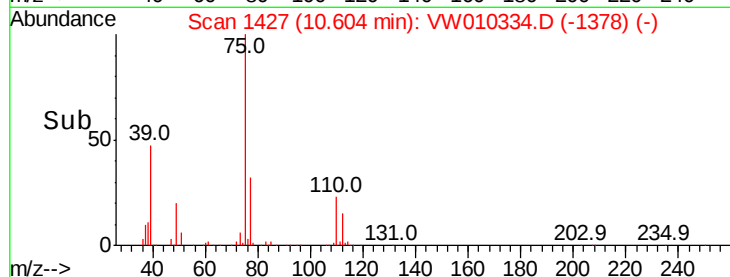
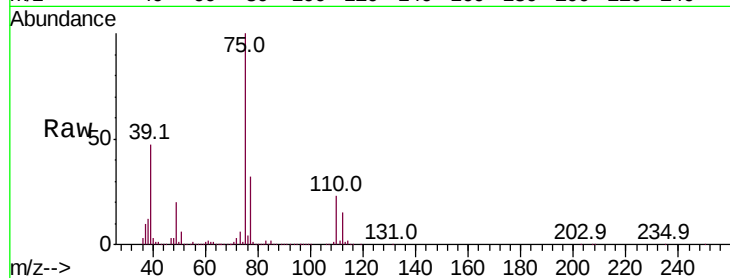
#53
 t-1,3-Dichloropropene
 Concen: 98.913 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 2087711
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.9 40.3

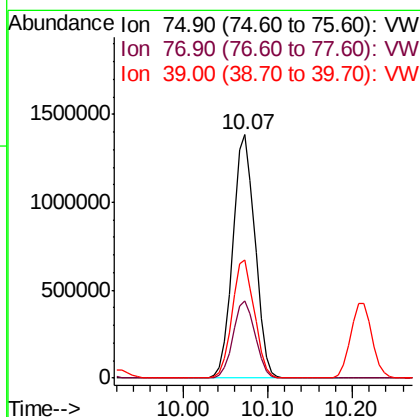
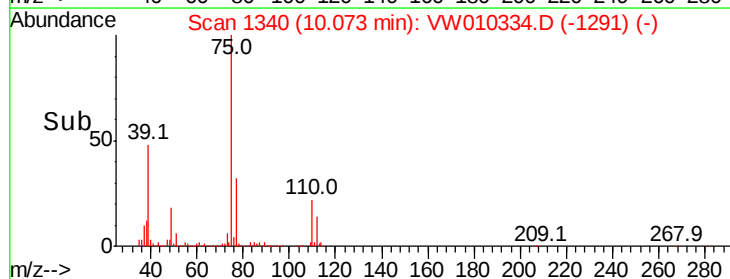
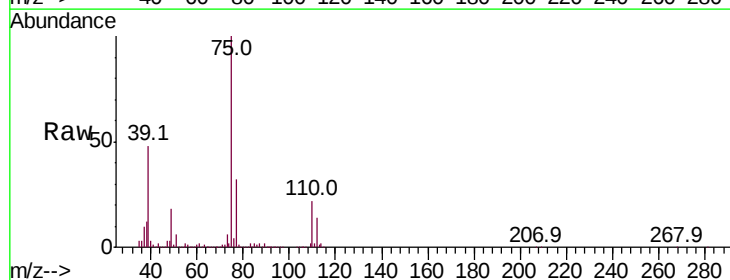
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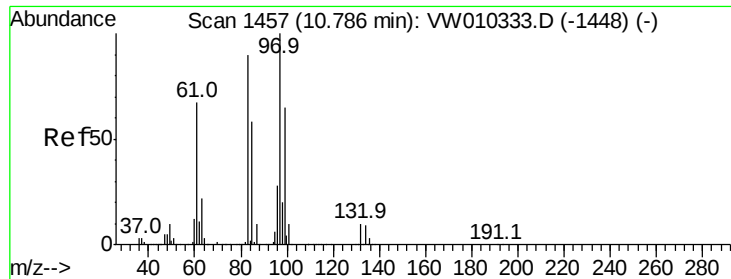
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 101.604 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion: 75 Resp: 2448751
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4
 39 48.4 47.8 71.6





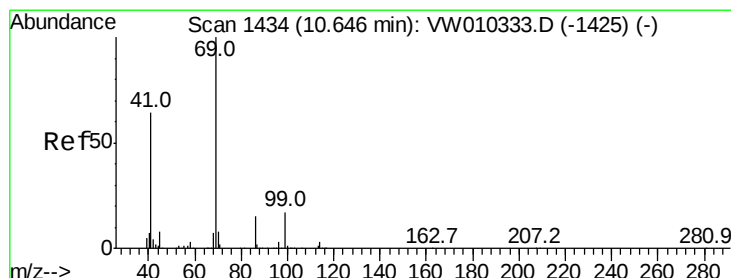
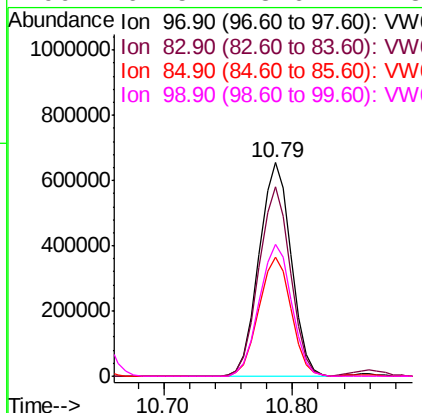
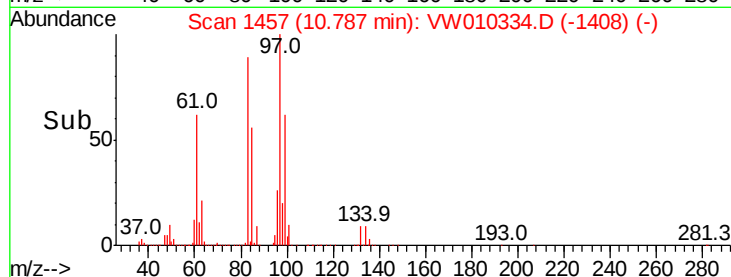
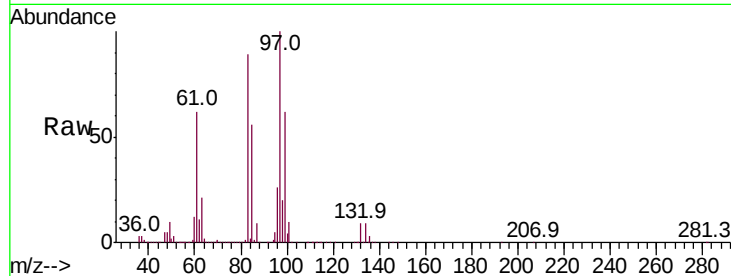
#55
 1,1,2-Trichloroethane
 Concen: 98.231 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	1130684
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.9	103.3
85	55.9	42.9	64.3
99	61.5	48.6	72.8

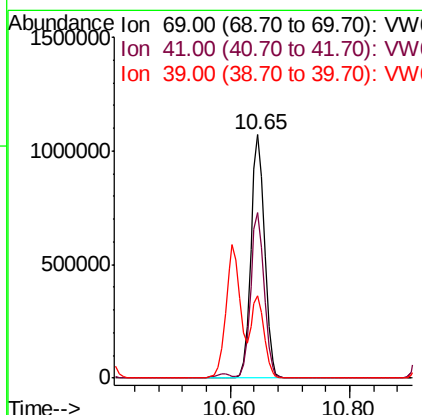
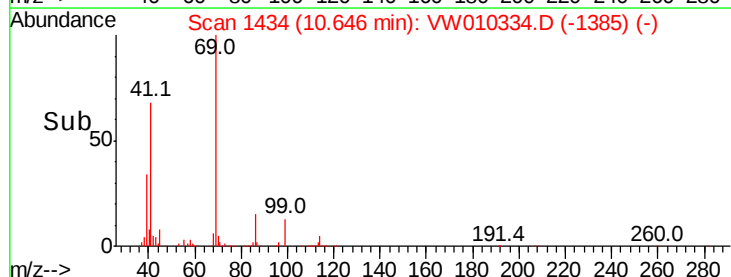
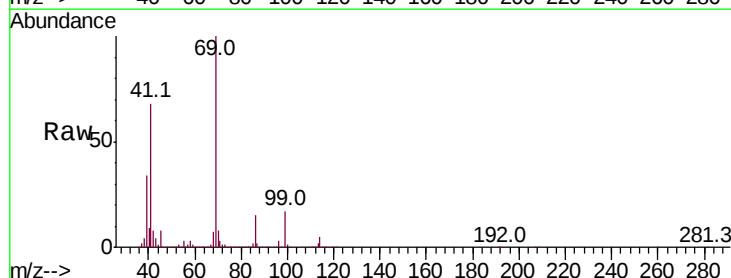
Manual Integrations
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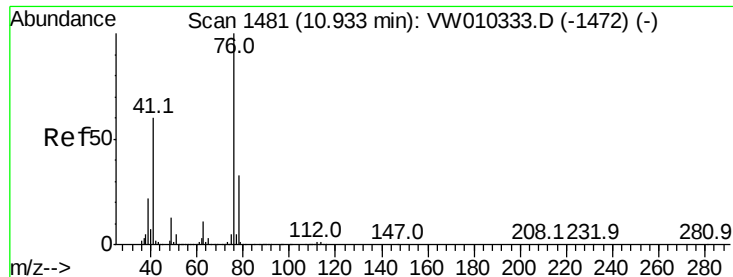
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 5/10/2019 10:07:27 AM



#56
 Ethyl methacrylate
 Concen: 119.312 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion	69	Resp	1707282
Ion	Ratio	Lower	Upper
69	100		
41	67.6	61.0	91.6
39	31.6	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 100.064 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2064413

Ion Ratio Lower Upper

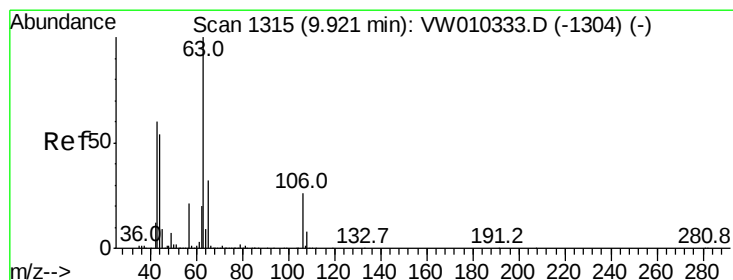
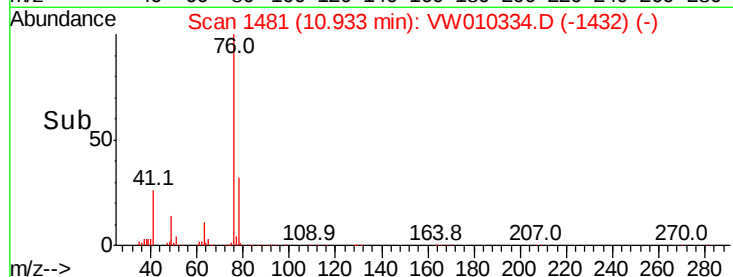
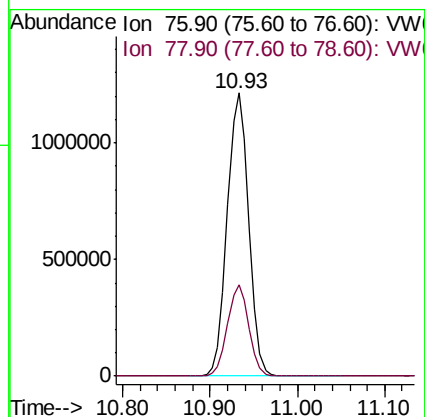
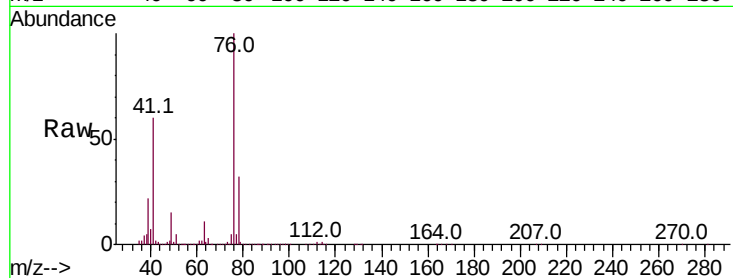
76 100

78 32.1 25.8 38.8

Manual Integrations
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MMDadoda

5/10/2019 10:07:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 597.546 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010334.D

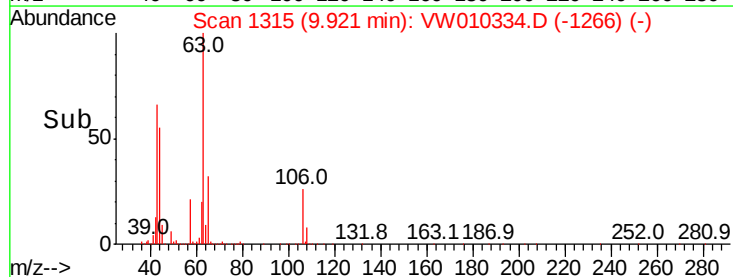
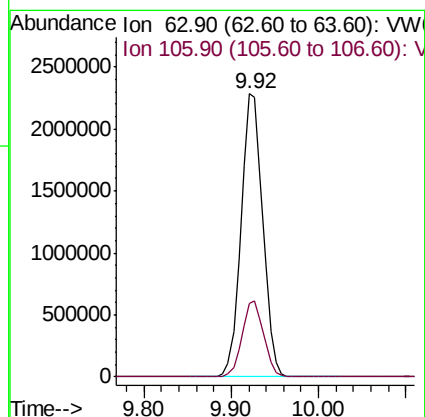
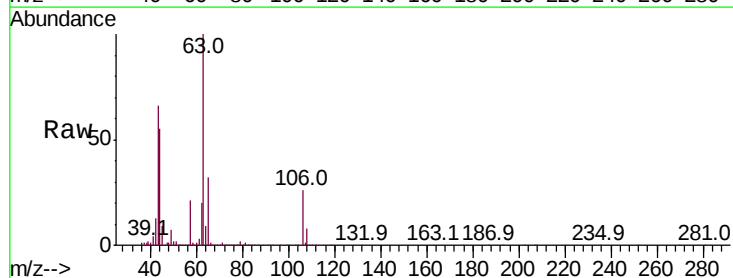
Acq: 09 May 2019 13:02

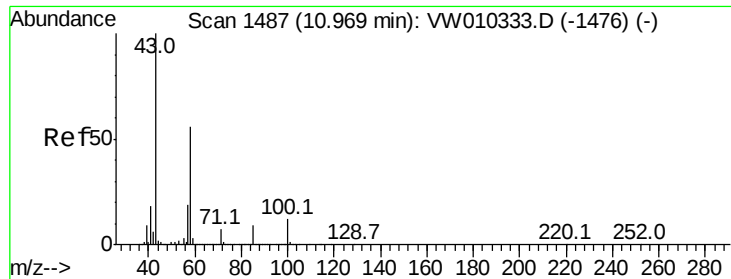
Tgt Ion: 63 Resp: 3937719

Ion Ratio Lower Upper

63 100

106 26.6 21.4 32.0





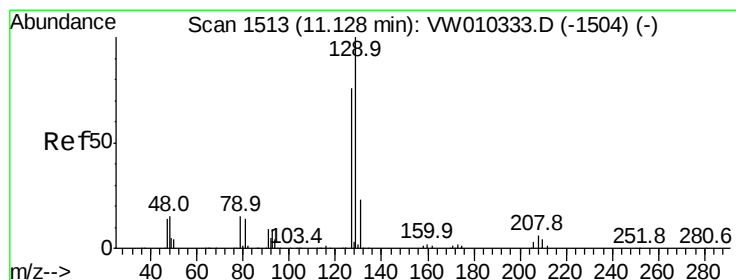
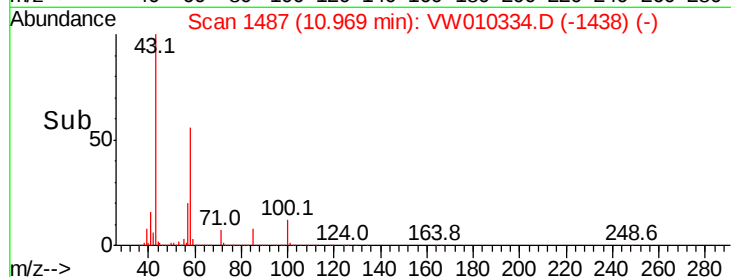
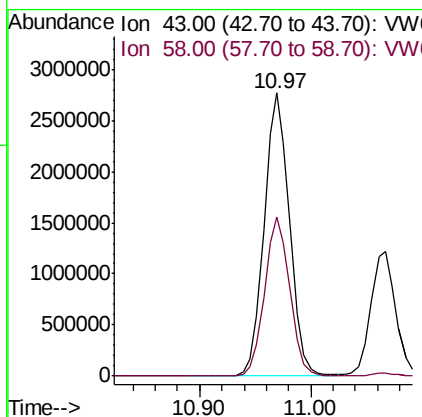
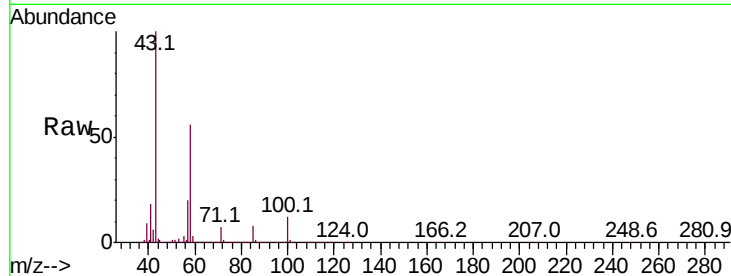
#59
2-Hexanone
Concen: 570.654 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4386029
Ion Ratio Lower Upper
43 100
58 55.9 24.9 74.7

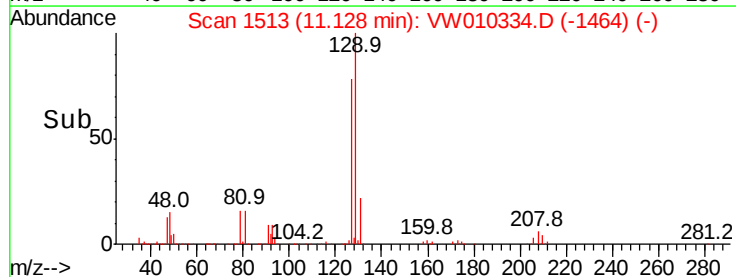
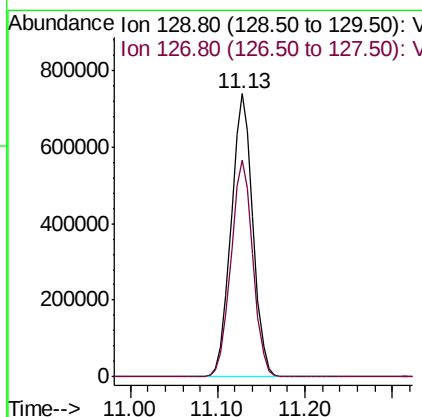
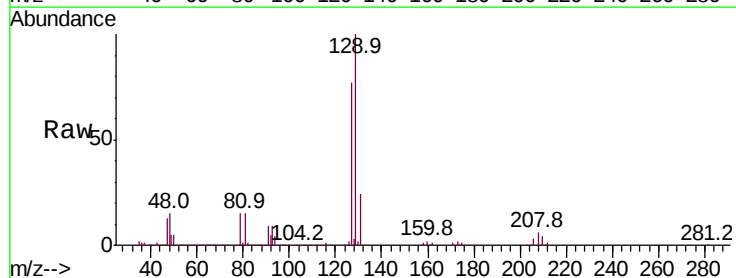
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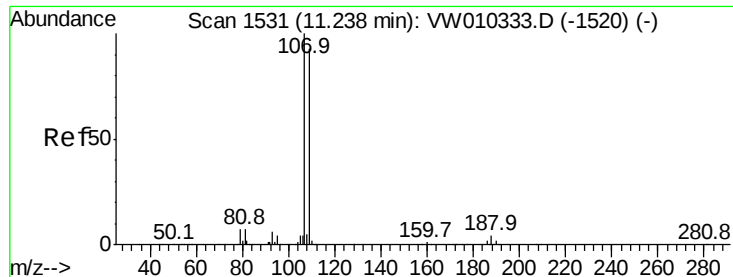
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#60
Dibromochloromethane
Concen: 95.828 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 129 Resp: 1274873
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





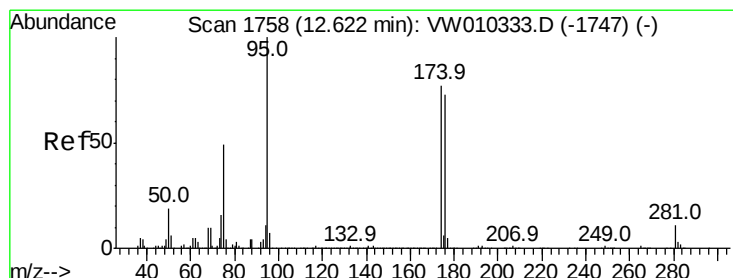
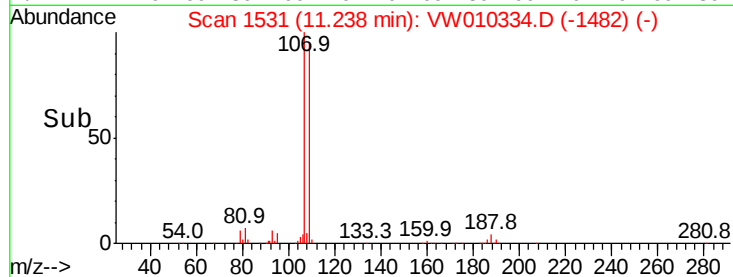
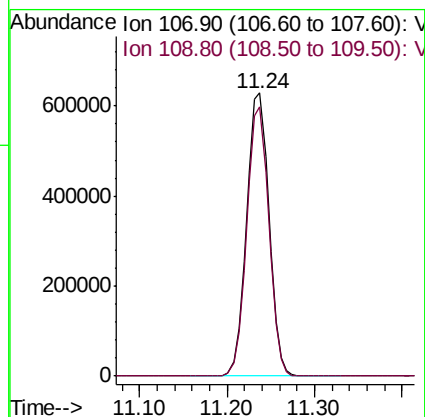
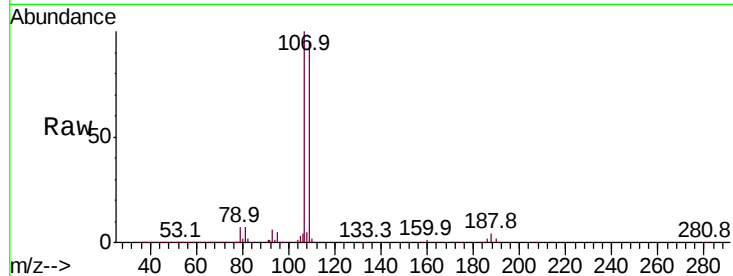
#61
1,2-Dibromoethane
Concen: 101.651 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:107 Resp: 1113043
Ion Ratio Lower Upper
107 100
109 94.1 73.6 110.4

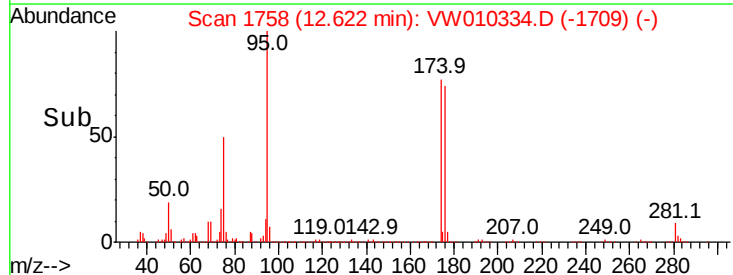
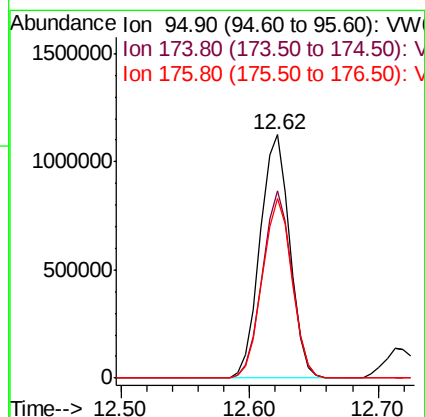
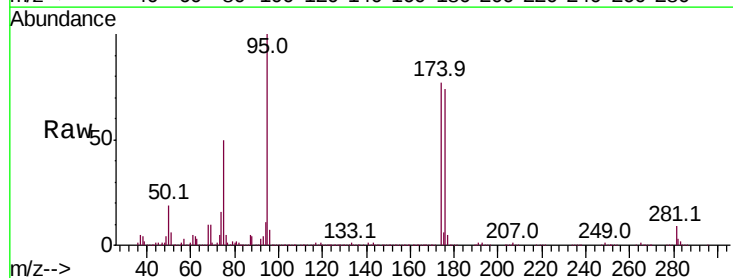
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APPROVED

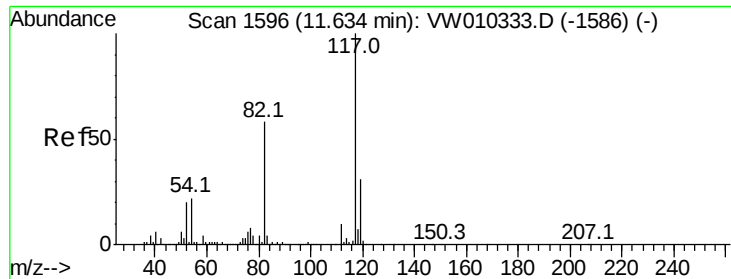
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#62
4-Bromofluorobenzene
Concen: 95.234 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 95 Resp: 1787418
Ion Ratio Lower Upper
95 100
174 76.6 0.0 151.4
176 74.1 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: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1932264

Ion Ratio Lower Upper

117 100

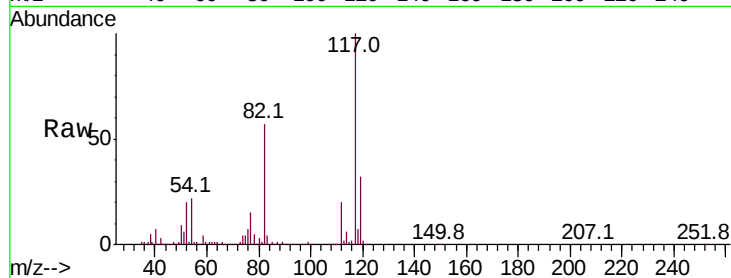
82 56.6 45.2 67.8

119 31.7 25.4 38.2

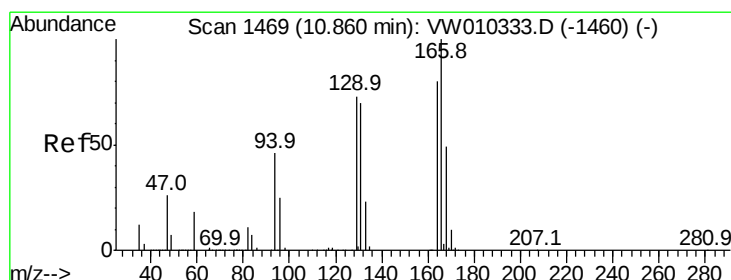
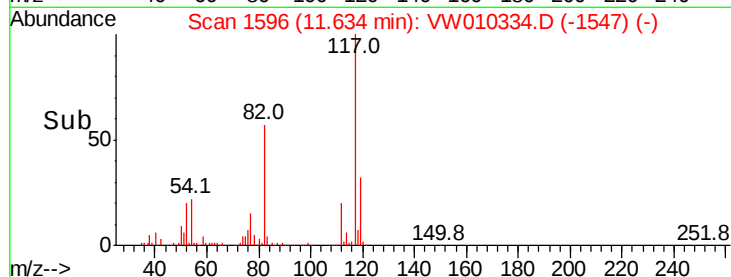
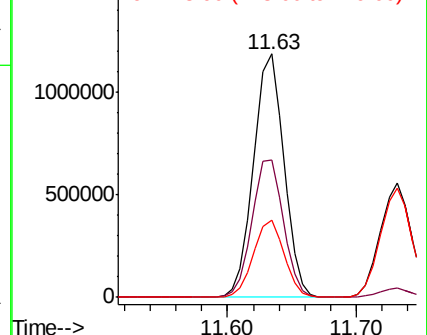
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 107.111 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tgt Ion:164 Resp: 1343563

Ion Ratio Lower Upper

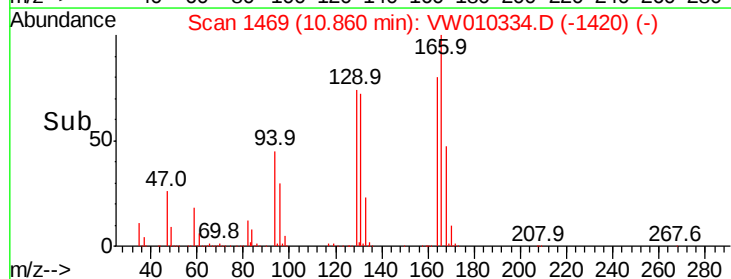
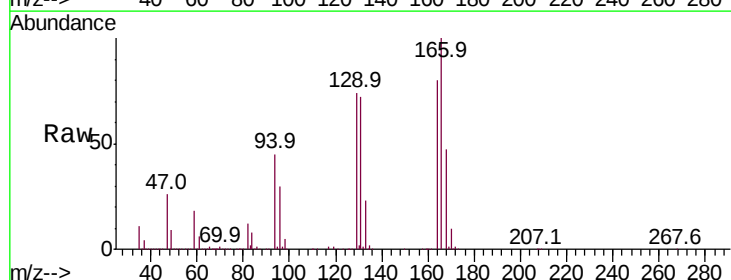
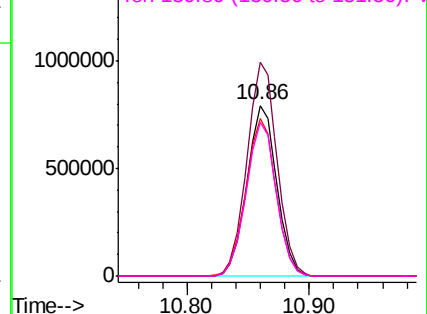
164 100

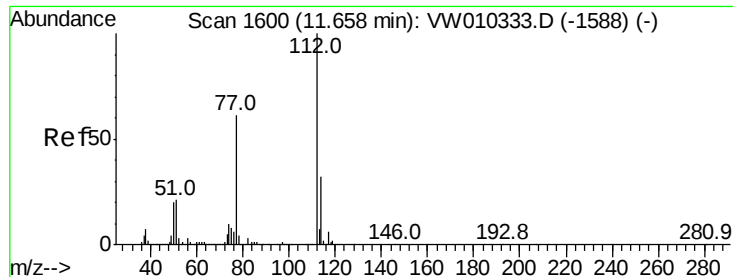
166 125.3 101.2 151.8

129 92.5 77.8 116.6

131 90.1 73.1 109.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 99.069 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 3918005

Ion Ratio Lower Upper

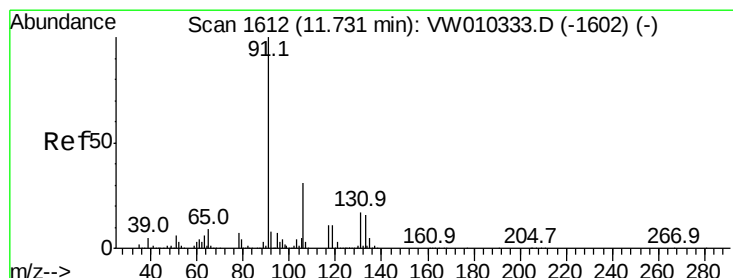
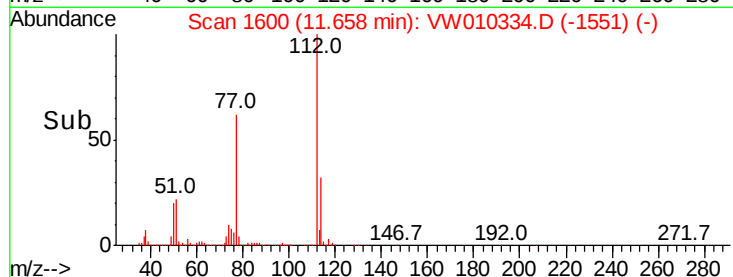
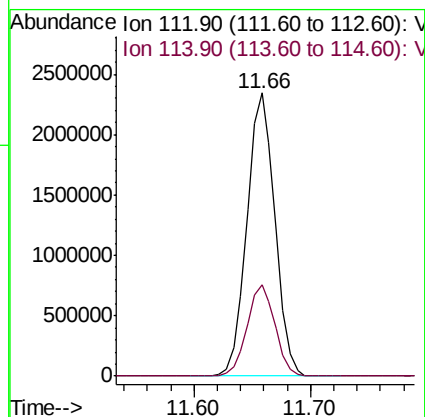
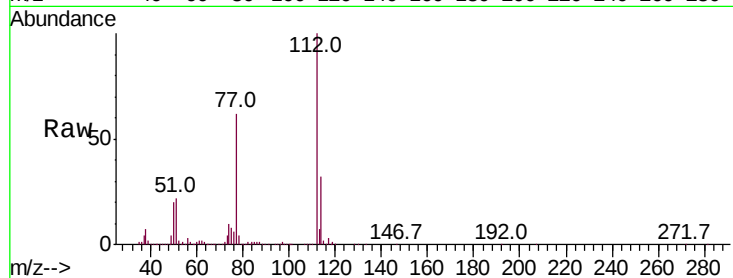
112 100

114 32.2 26.5 39.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 95.383 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

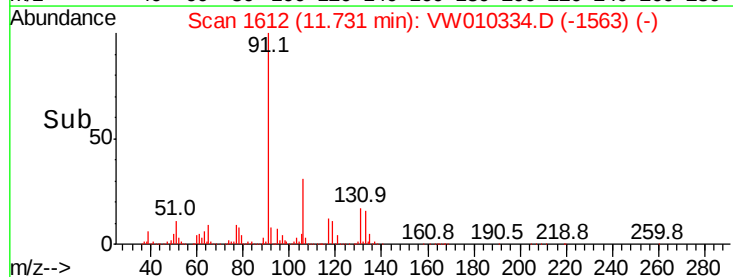
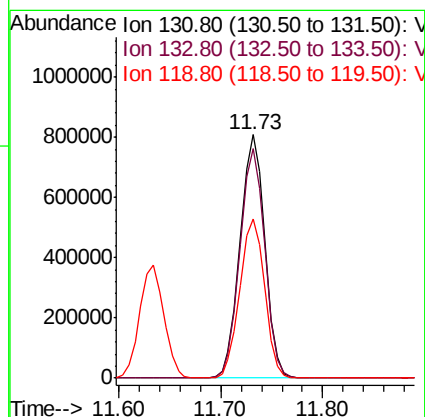
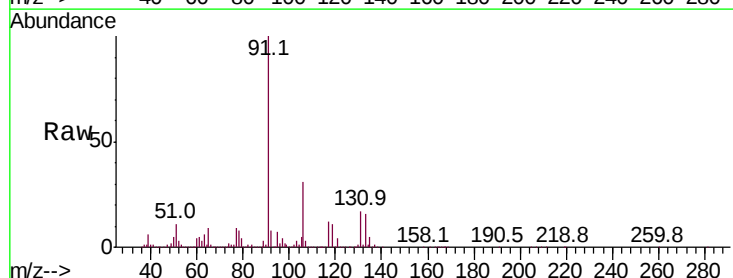
Tgt Ion:131 Resp: 1348988

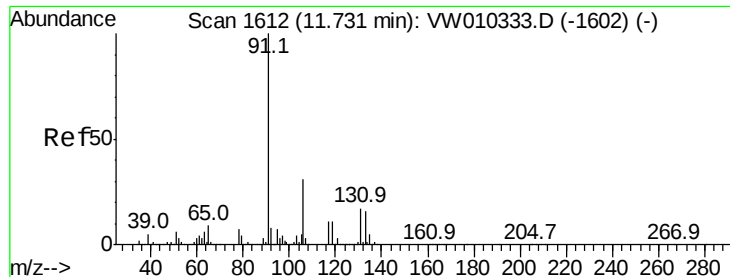
Ion Ratio Lower Upper

131 100

133 95.0 46.5 139.5

119 66.1 31.9 95.5





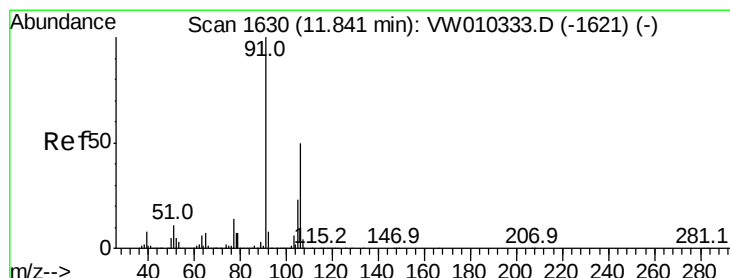
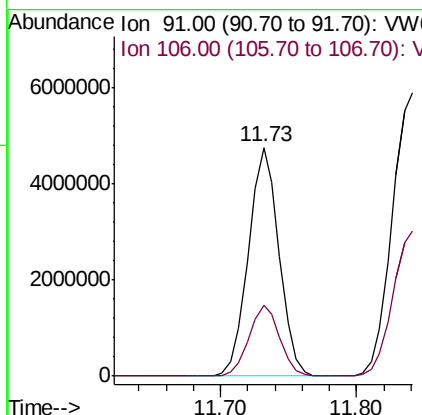
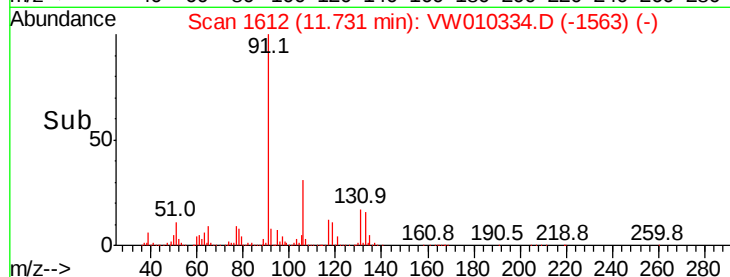
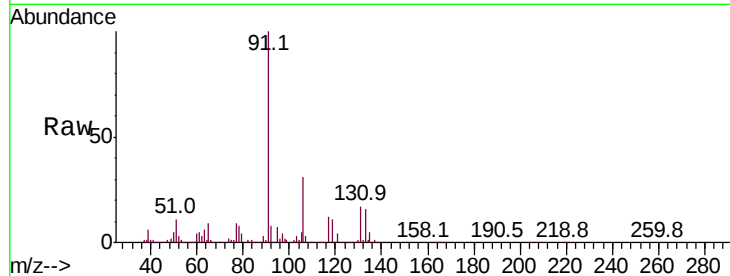
#67
Ethyl Benzene
Concen: 105.987 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 7478527
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.8

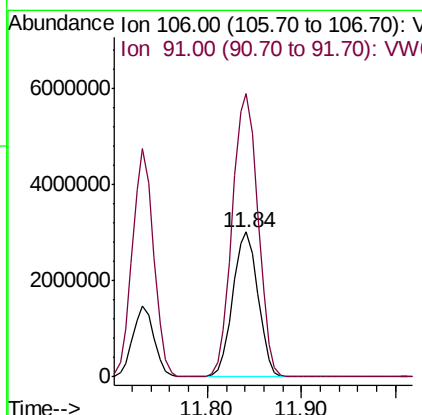
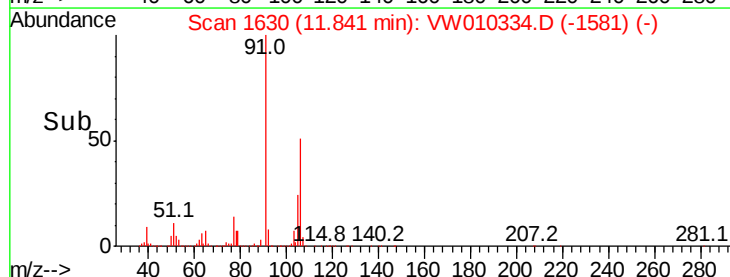
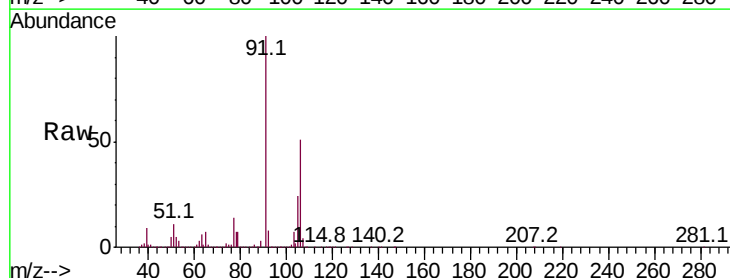
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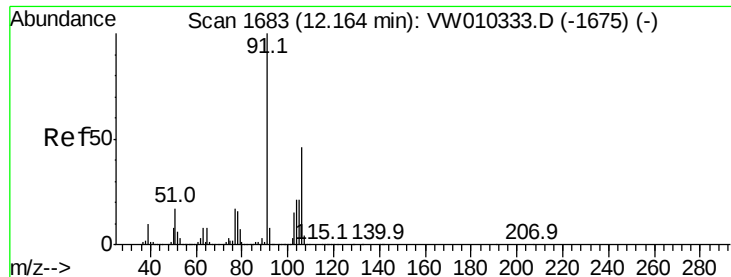
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#68
m/p-Xylenes
Concen: 211.551 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 106 Resp: 5579852
Ion Ratio Lower Upper
106 100
91 199.7 165.0 247.6





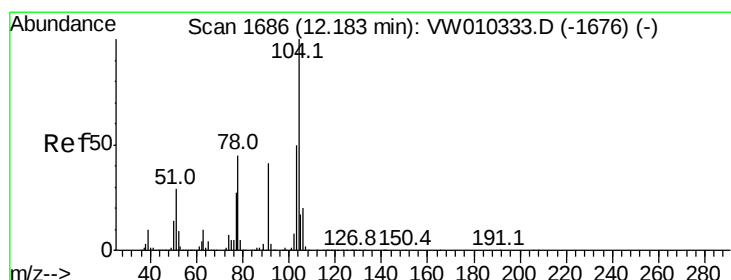
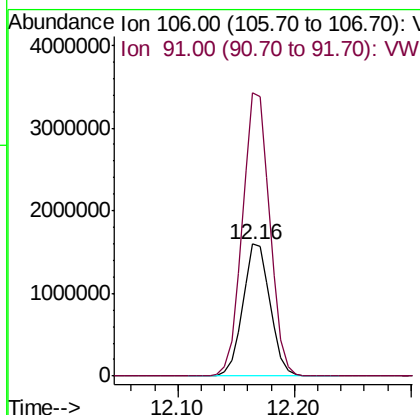
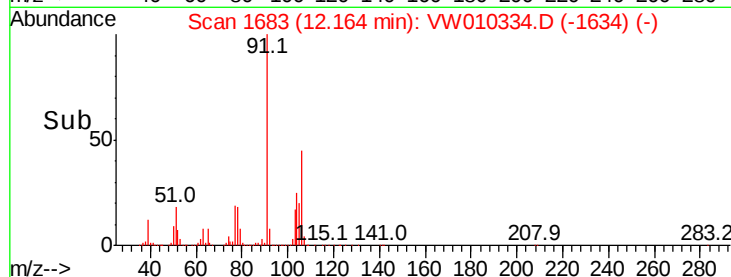
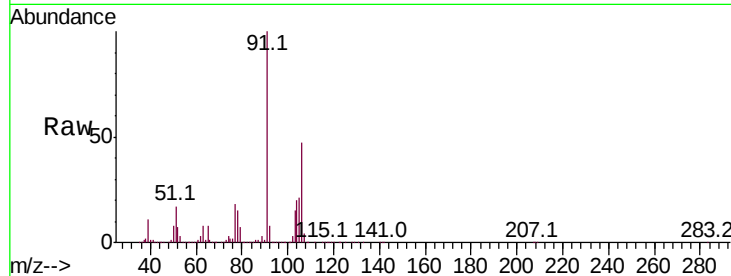
#69
o-Xylene
Concen: 108.062 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2595254
Ion Ratio Lower Upper
106 100
91 215.4 110.5 331.4

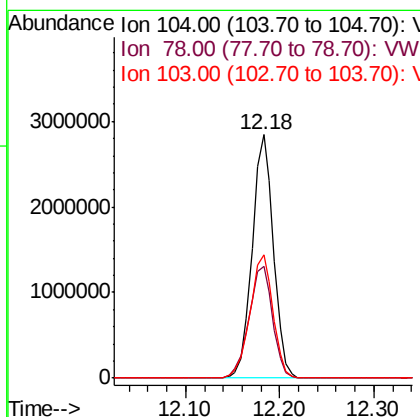
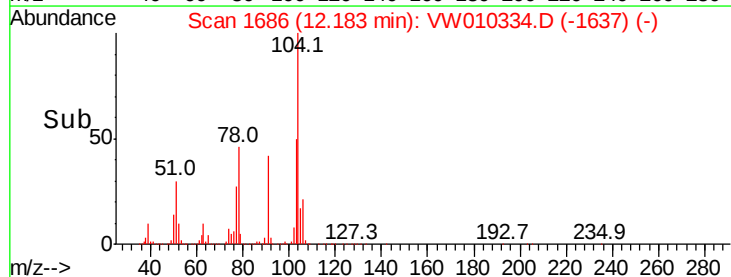
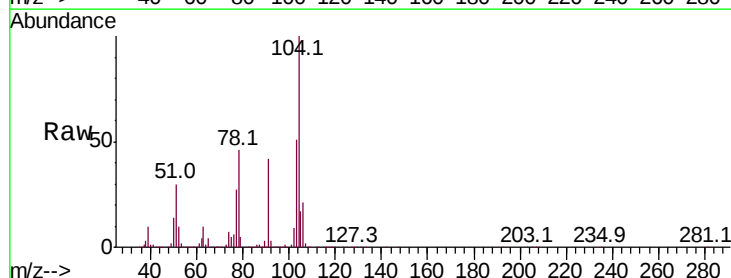
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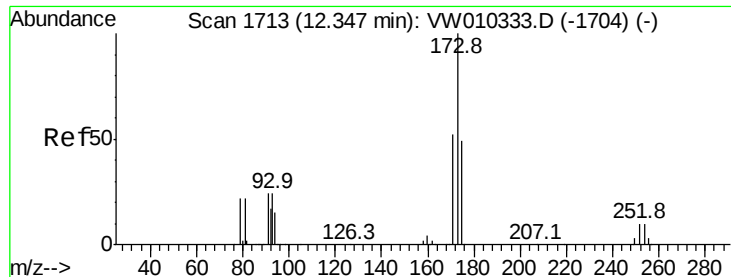
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#70
Styrene
Concen: 108.987 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion:104 Resp: 4513008
Ion Ratio Lower Upper
104 100
78 51.0 42.5 63.7
103 54.6 43.6 65.4





#71

Bromoform

Concen: 104.302 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 780024

Ion Ratio Lower Upper

173 100

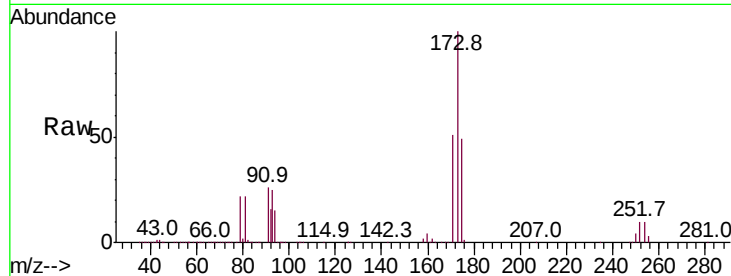
175 48.8 23.8 71.4

254 0.0 0.1 0.1#

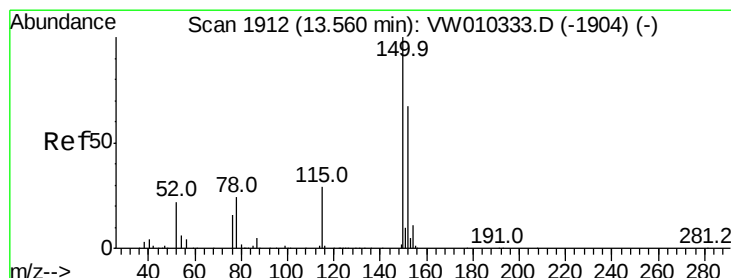
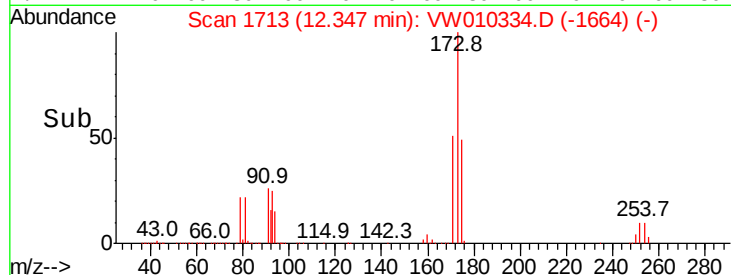
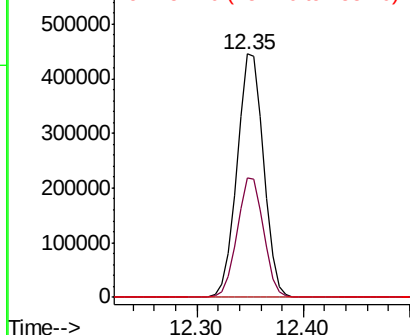
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

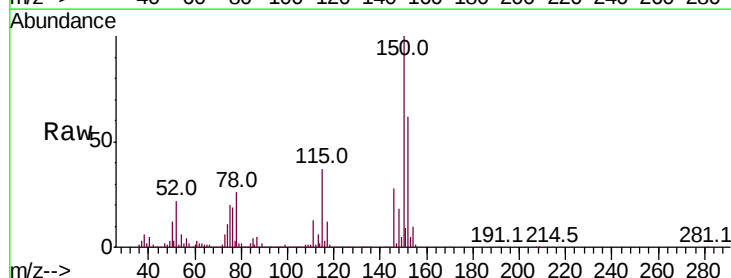
Tgt Ion:152 Resp: 939619

Ion Ratio Lower Upper

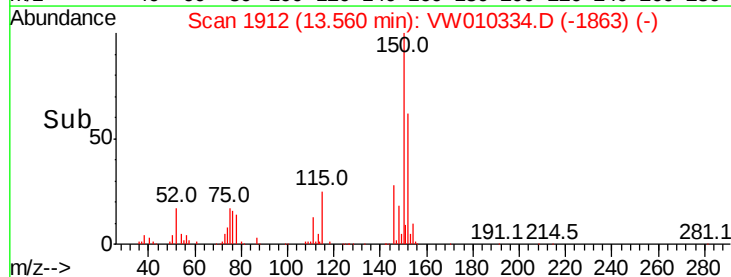
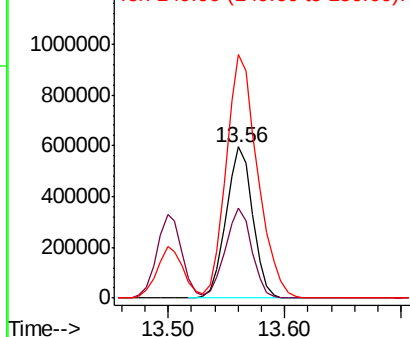
152 100

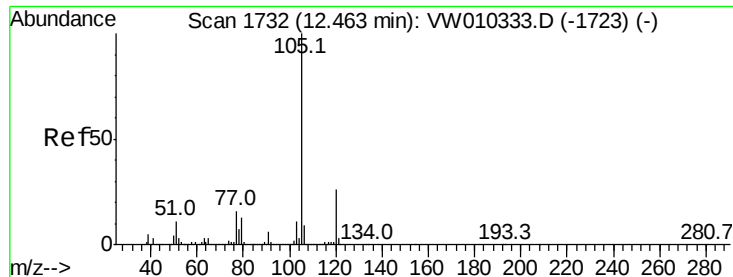
115 59.5 30.4 91.2

150 190.4 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 110.797 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 7245631

Ion Ratio Lower Upper

105 100

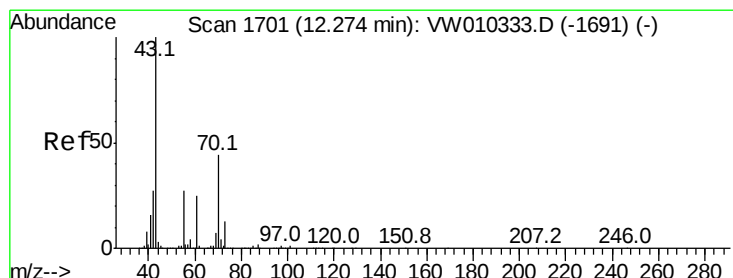
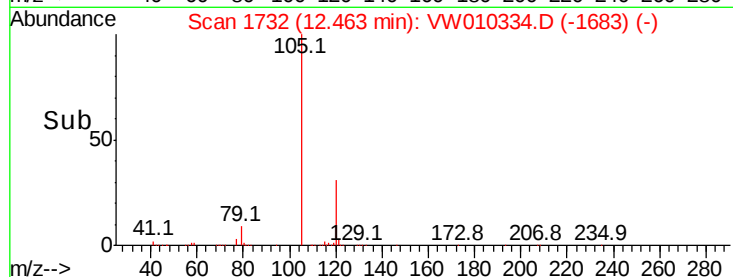
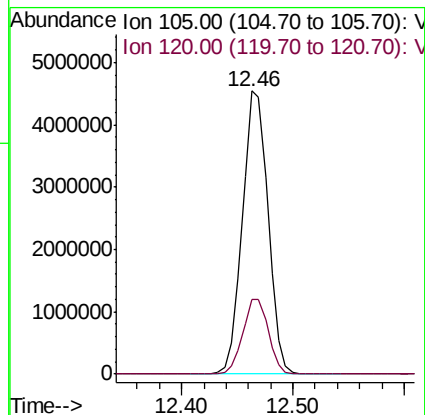
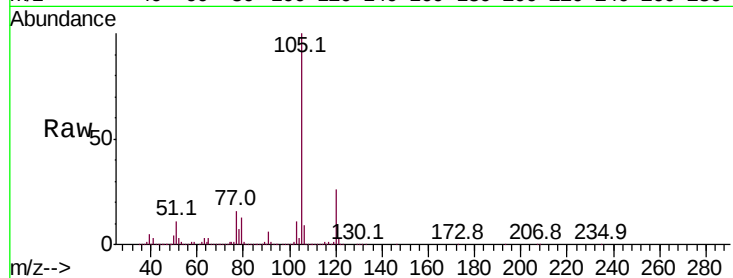
120 26.5 13.1 39.1

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#74

N-ethyl acetate

Concen: 107.374 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tgt Ion: 43 Resp: 1944546

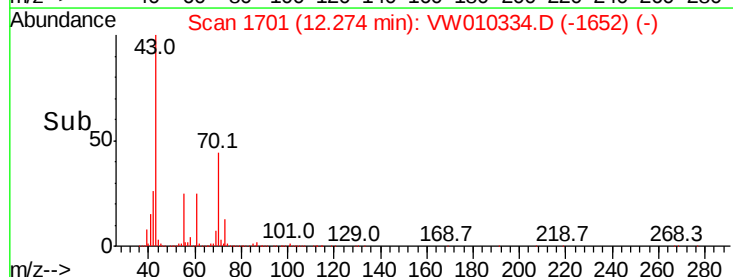
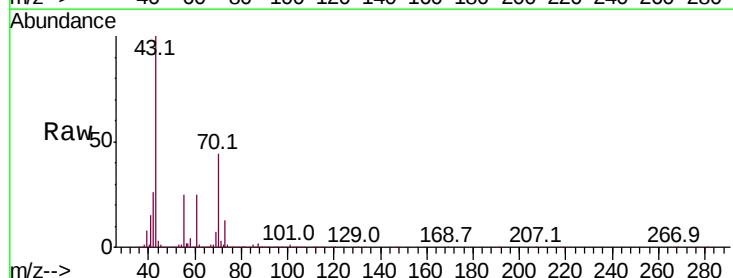
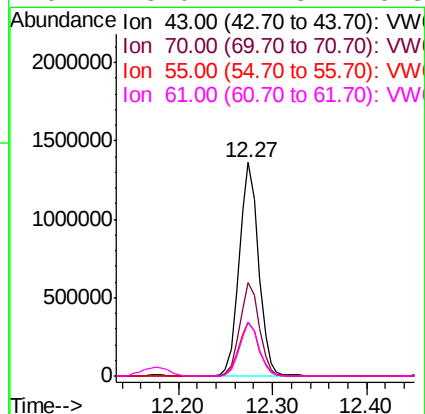
Ion Ratio Lower Upper

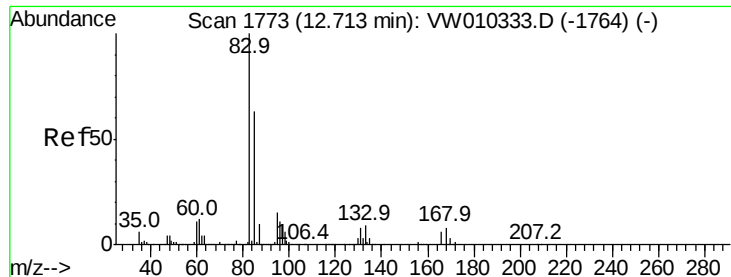
43 100

70 44.0 31.3 46.9

55 25.8 20.0 30.0

61 25.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 114.255 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1476179

Ion Ratio Lower Upper

83 100

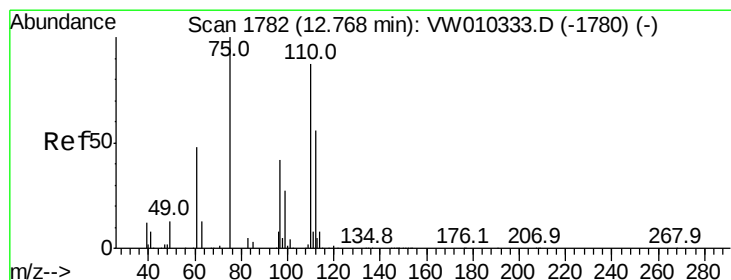
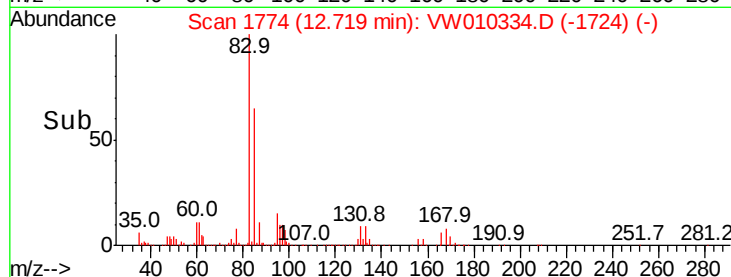
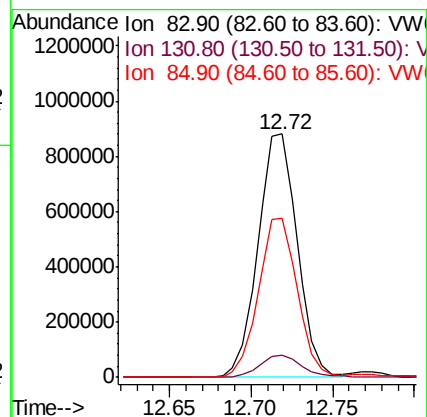
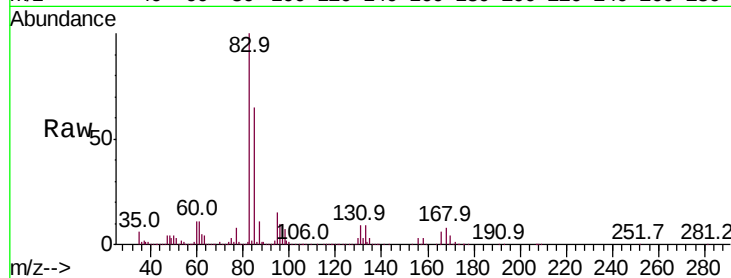
131 9.8 5.3 15.8

85 64.5 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 115.018 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010334.D

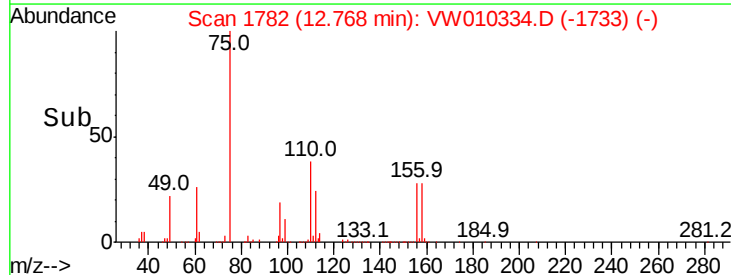
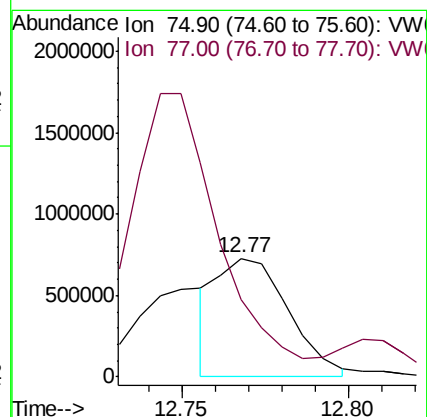
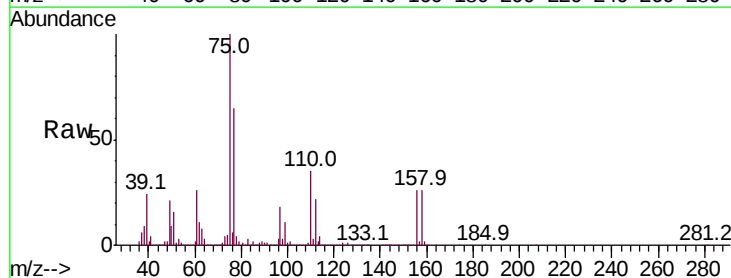
Acq: 09 May 2019 13:02

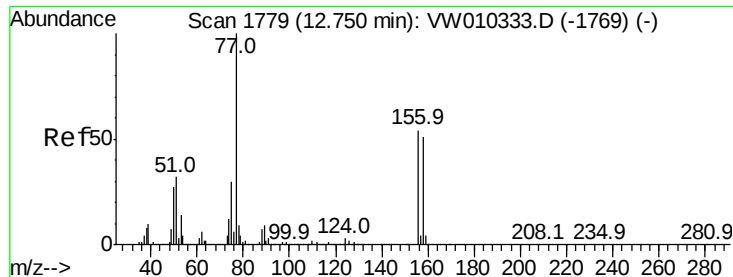
Tgt Ion: 75 Resp: 1081646

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 104.160 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1566572

Ion Ratio Lower Upper

156 100

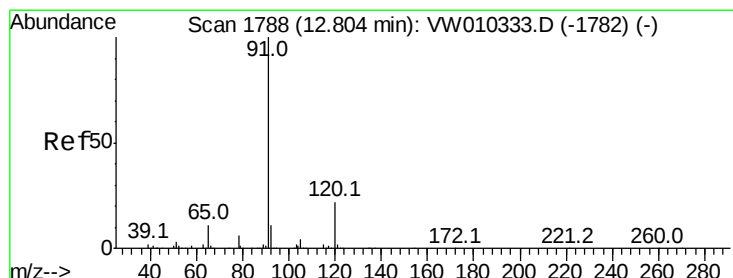
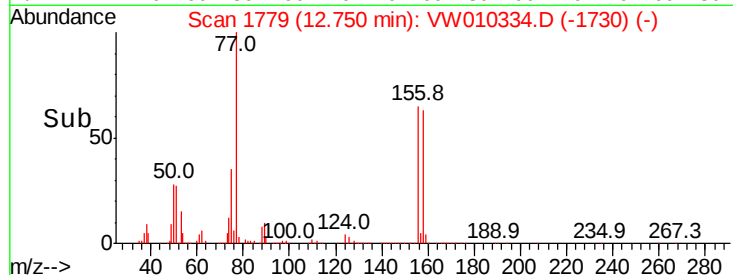
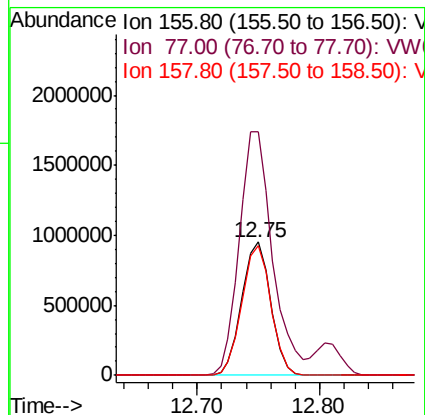
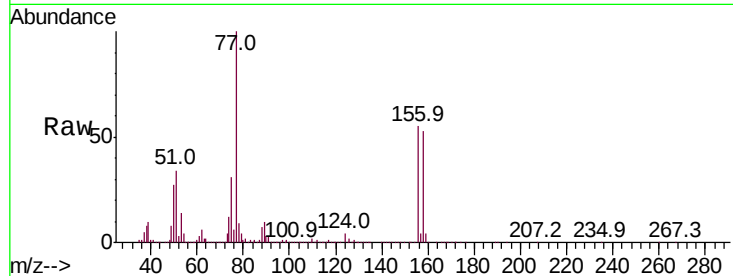
77 208.7 102.5 307.4

158 97.4 48.8 146.4

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#78

n-propylbenzene

Concen: 107.964 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010334.D

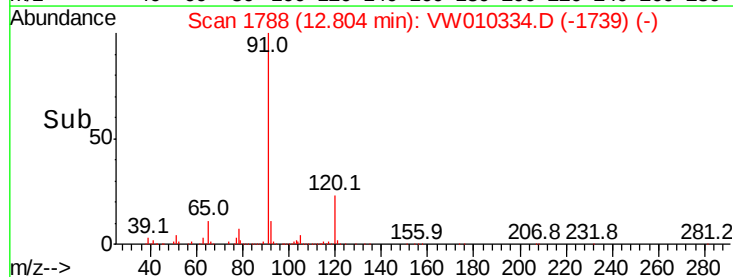
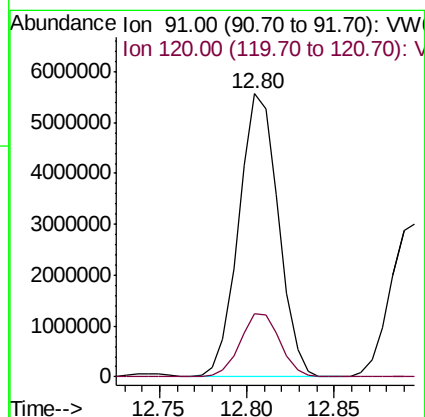
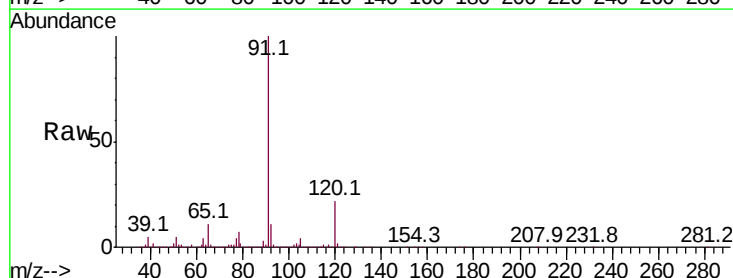
Acq: 09 May 2019 13:02

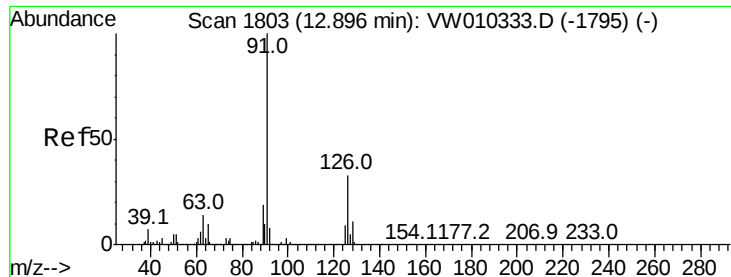
Tgt Ion: 91 Resp: 8750489

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.1





#79

2-Chlorotoluene

Concen: 105.558 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4920439

Ion Ratio Lower Upper

91 100

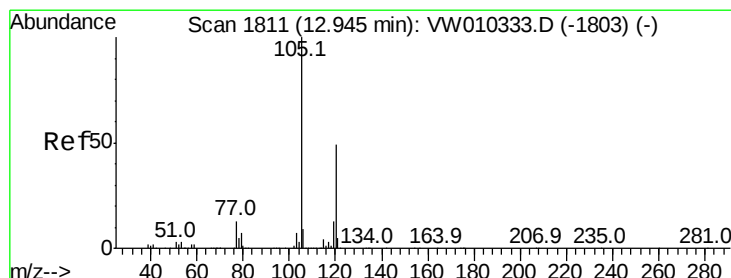
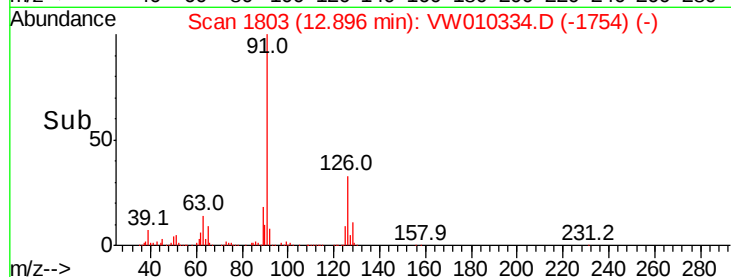
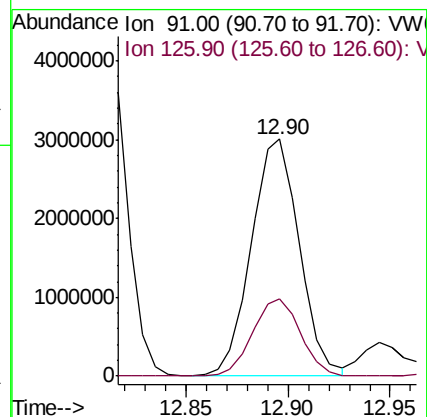
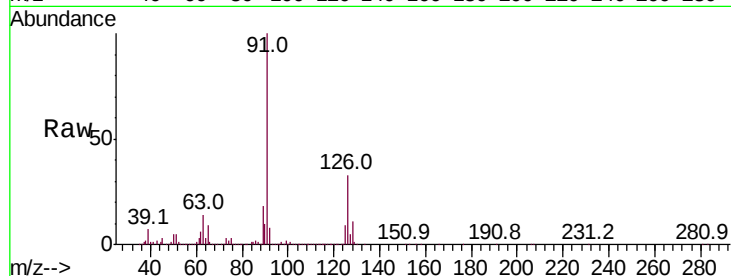
126 32.5 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 108.712 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010334.D

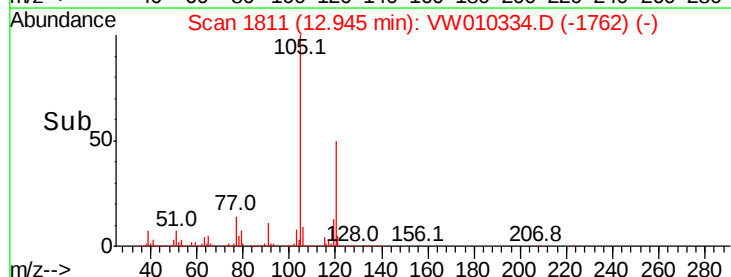
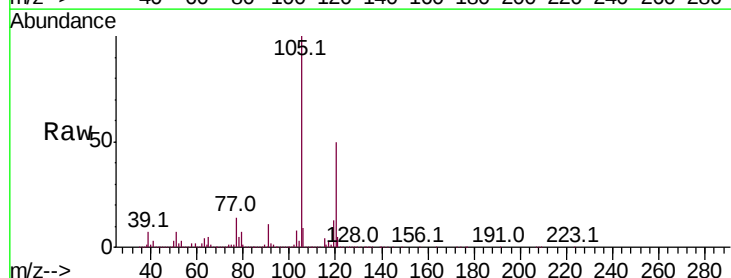
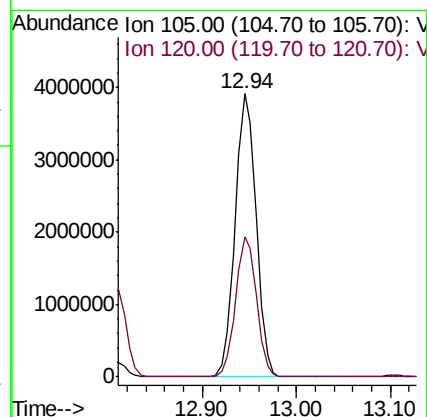
Acq: 09 May 2019 13:02

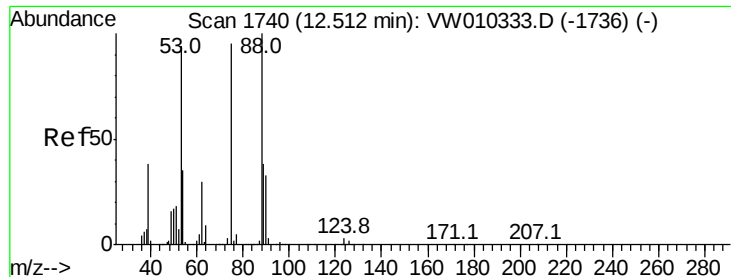
Tgt Ion:105 Resp: 6027798

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 130.466 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

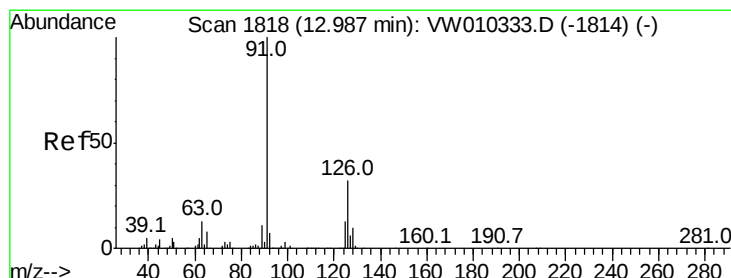
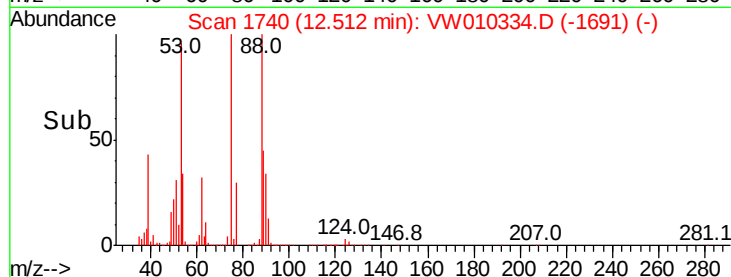
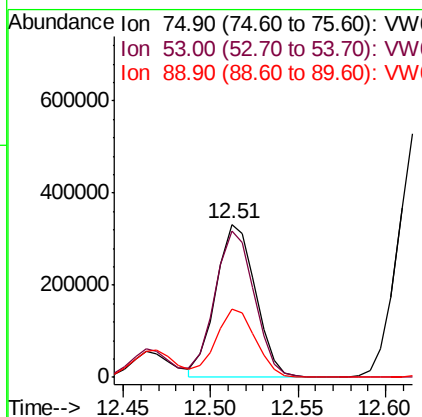
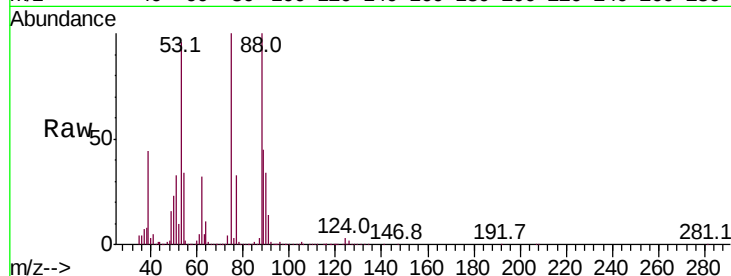
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	520334
Ion	Ratio	Lower	Upper
75	100		
53	97.5	89.8	134.8
89	45.3	36.6	54.8

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#82

4-Chlorotoluene

Concen: 104.156 ug/l

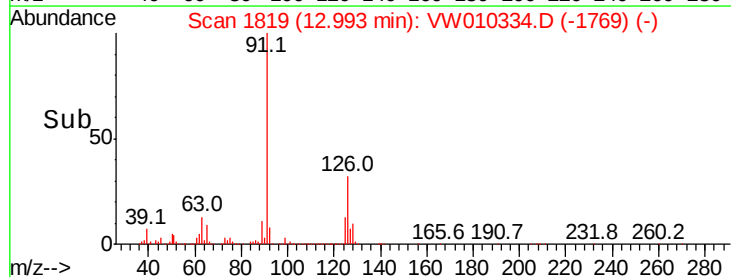
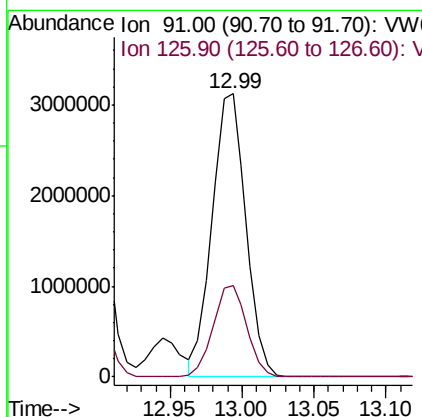
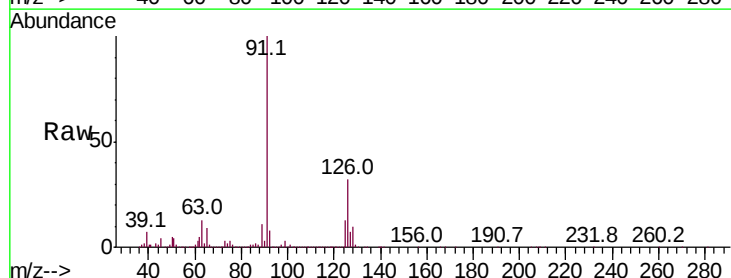
RT: 12.99 min Scan# 1819

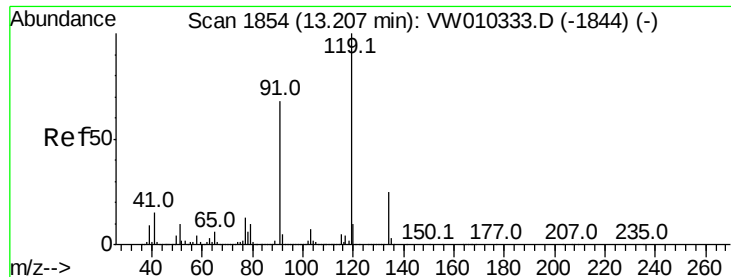
Delta R.T. 0.01 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tgt Ion:	91	Resp:	5109817
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1





#83

tert-Butylbenzene

Concen: 115.317 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 5295020

Ion Ratio Lower Upper

119 100

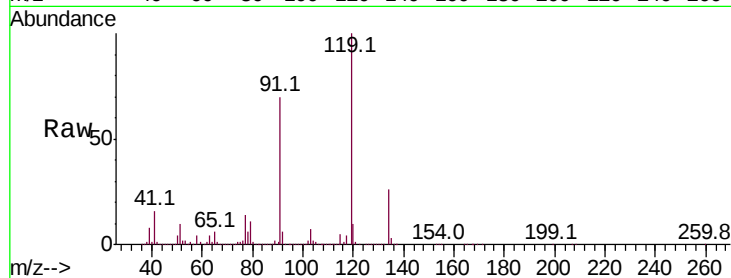
91 65.8 34.8 104.4

134 26.4 13.7 41.1

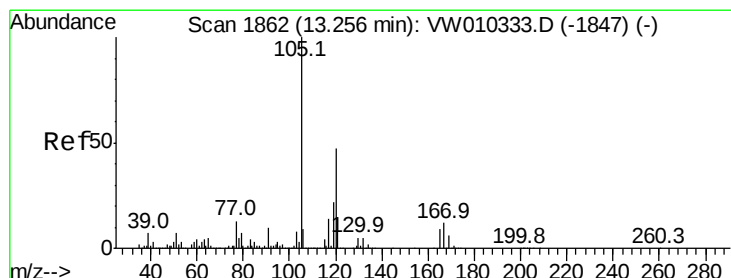
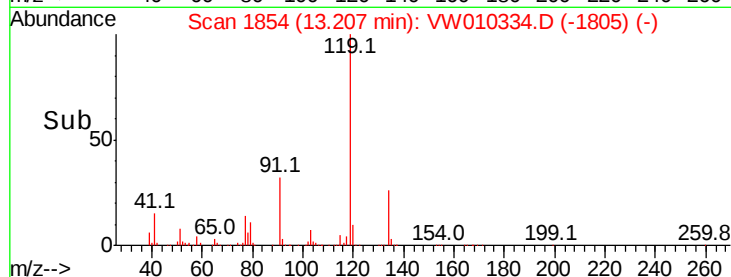
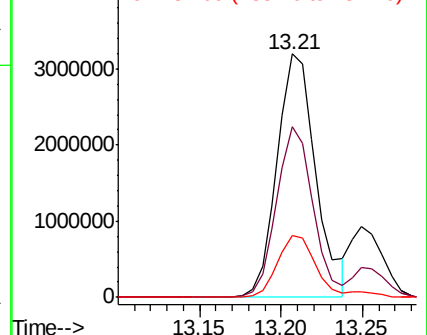
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 105.924 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010334.D

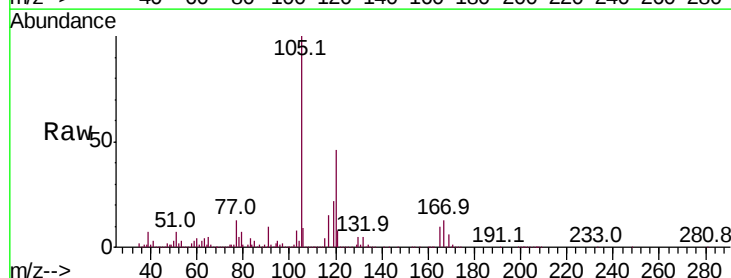
Acq: 09 May 2019 13:02

Tgt Ion:105 Resp: 5954716

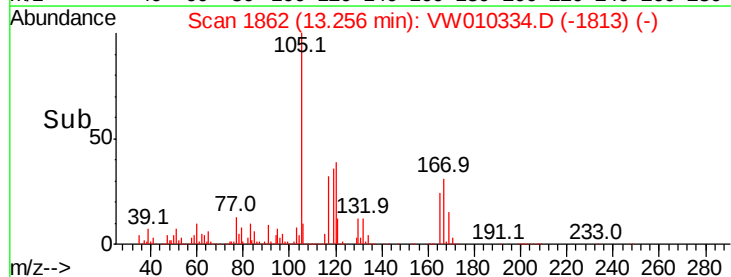
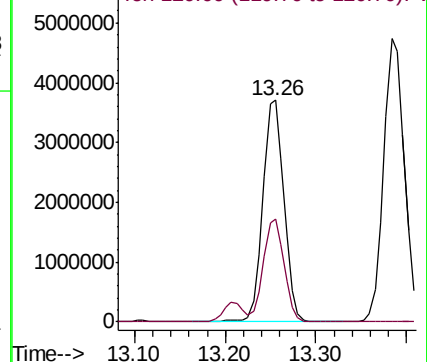
Ion Ratio Lower Upper

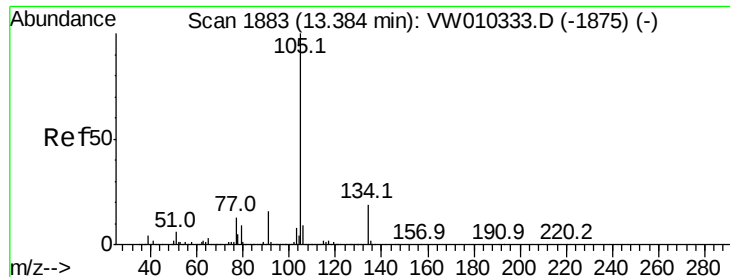
105 100

120 45.6 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 108.553 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 7448669

Ion Ratio Lower Upper

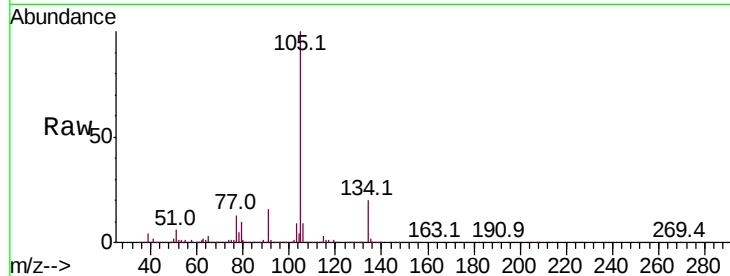
105 100

134 20.1 9.8 29.5

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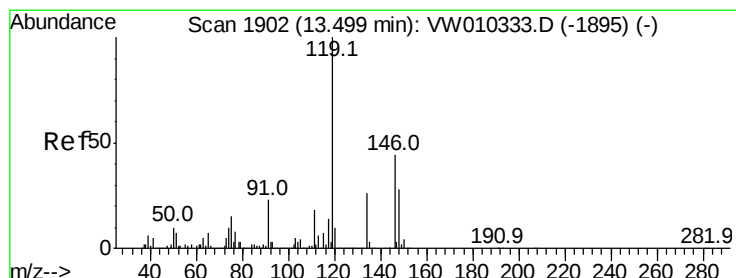
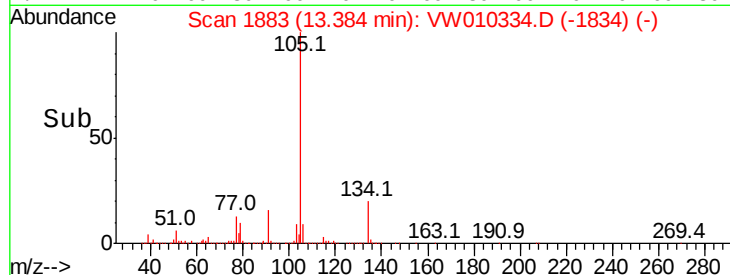
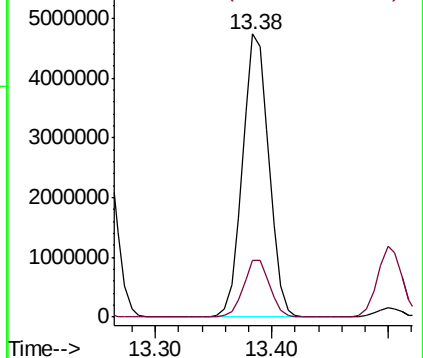
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 110.182 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

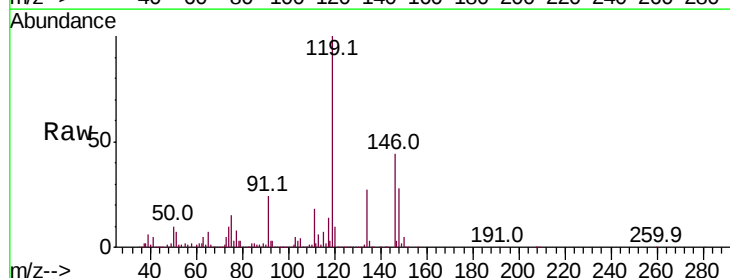
Tgt Ion:119 Resp: 6663835

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

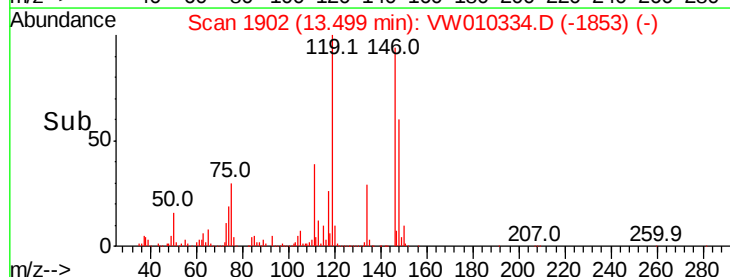
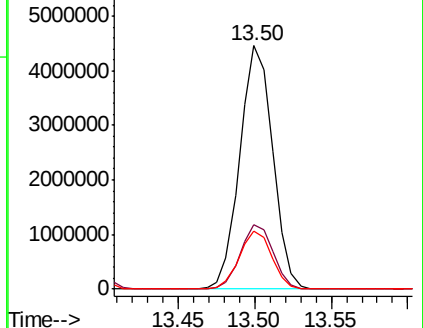
91 23.8 12.3 36.9

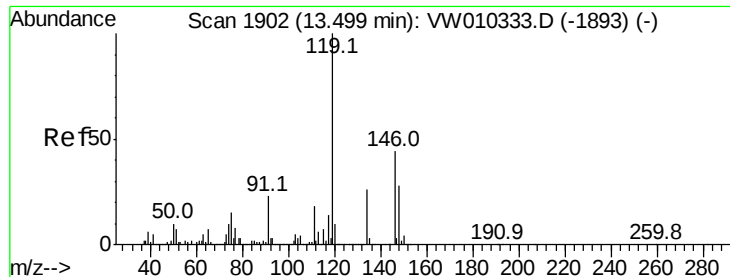


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 101.197 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 3076665

Ion Ratio Lower Upper

146 100

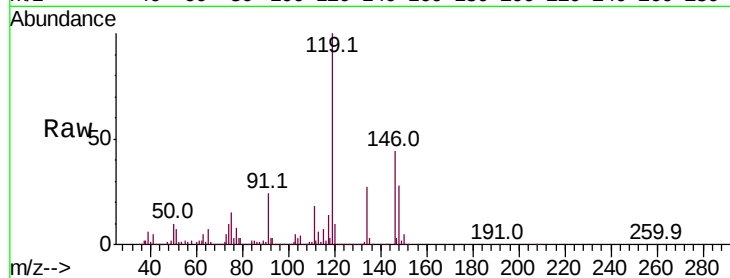
111 41.1 20.3 61.0

148 63.9 32.0 96.2

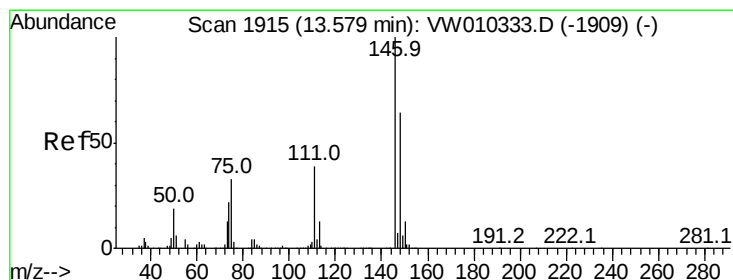
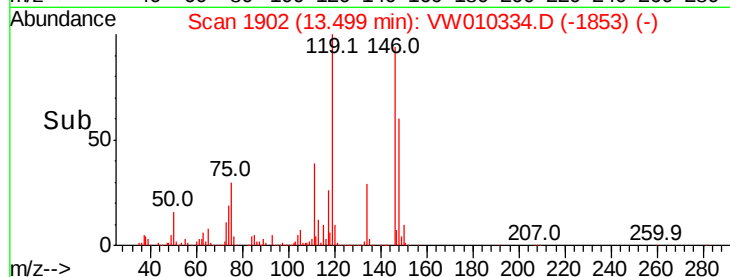
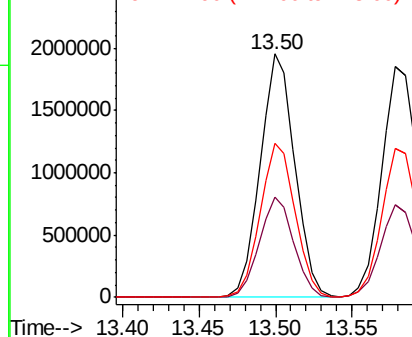
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 98.637 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

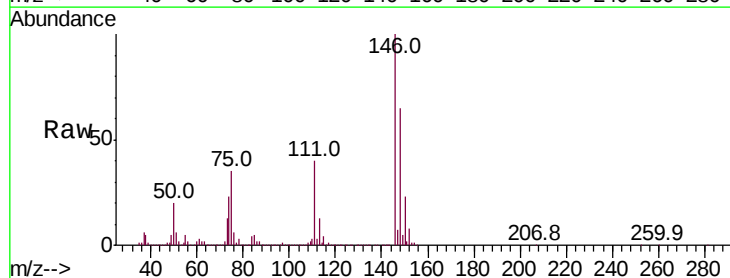
Tgt Ion:146 Resp: 2993292

Ion Ratio Lower Upper

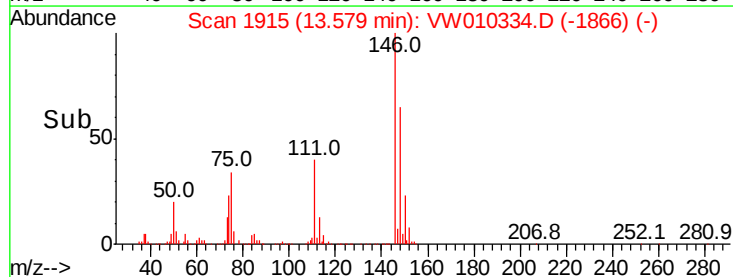
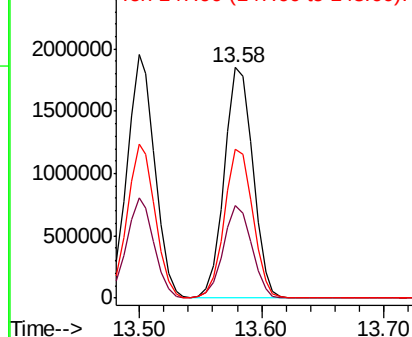
146 100

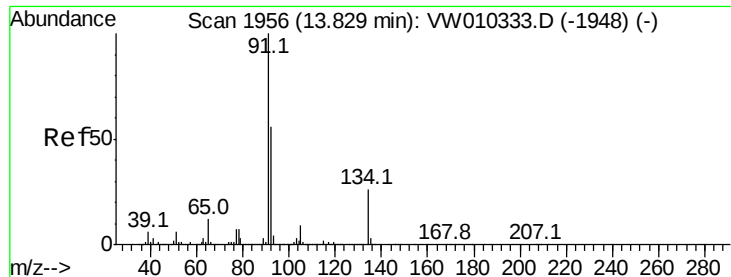
111 39.6 20.1 60.3

148 64.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





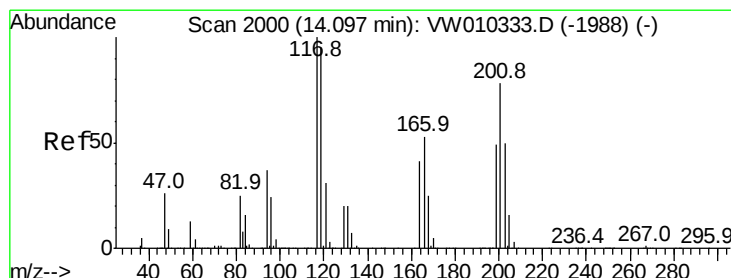
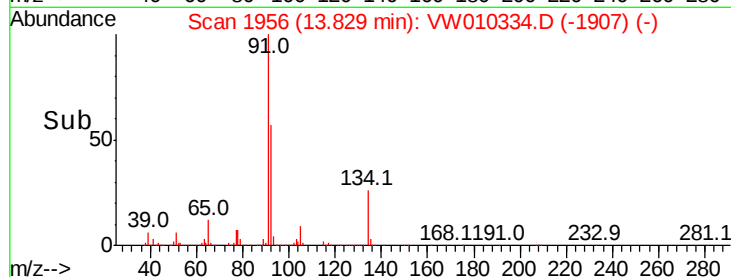
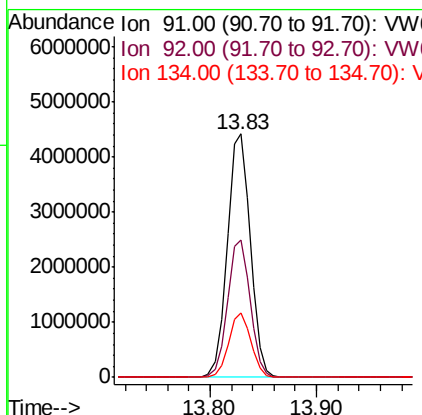
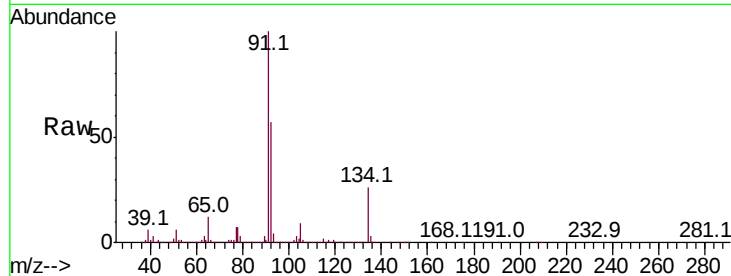
#89
n-Butylbenzene
Concen: 111.518 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 6682129
Ion Ratio Lower Upper
91 100
92 55.9 26.5 79.4
134 25.5 12.4 37.0

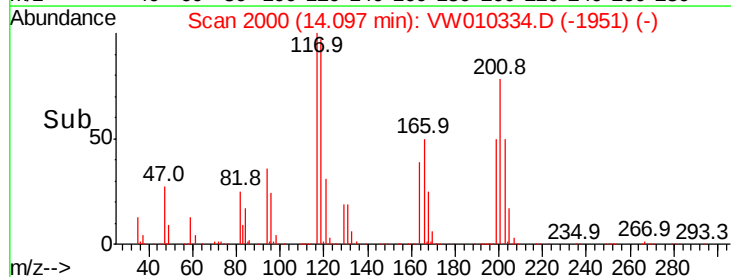
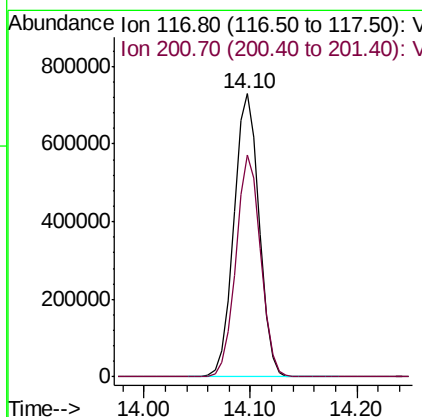
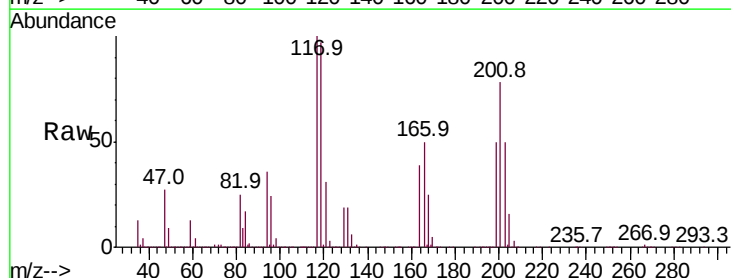
Manual Integrations
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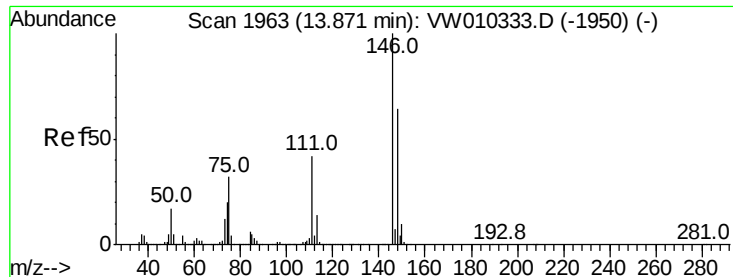
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#90
Hexachloroethane
Concen: 104.539 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010334.D
Acq: 09 May 2019 13:02

Tgt Ion: 117 Resp: 1210964
Ion Ratio Lower Upper
117 100
201 76.9 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 99.014 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

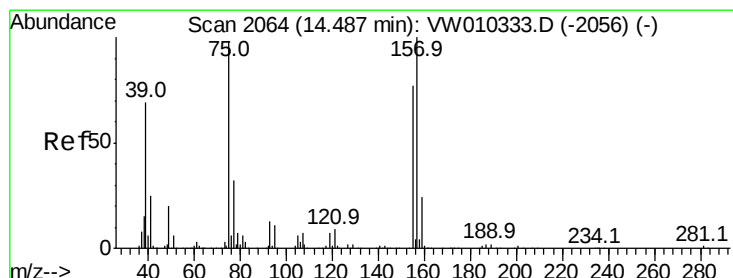
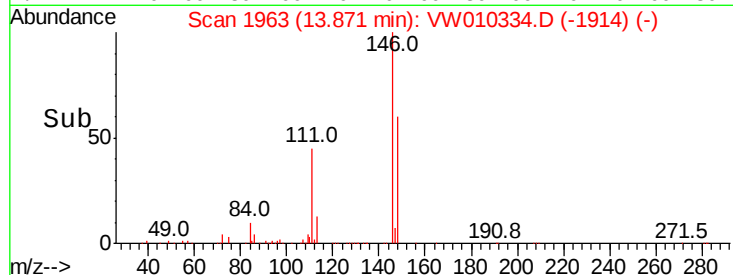
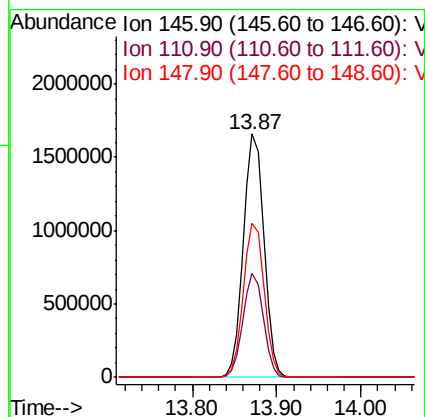
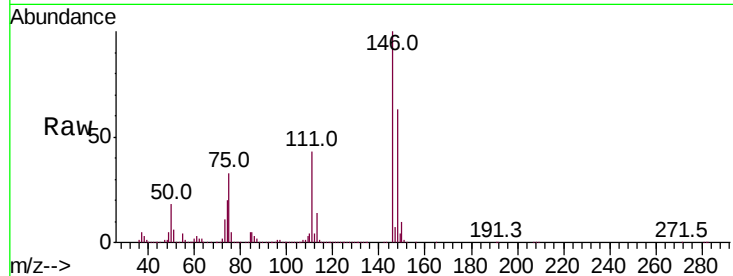
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	2699143
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.2	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 116.482 ug/l

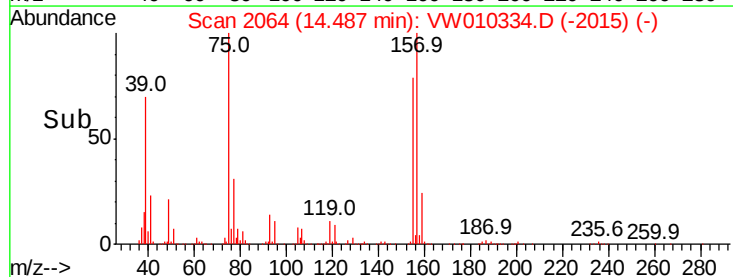
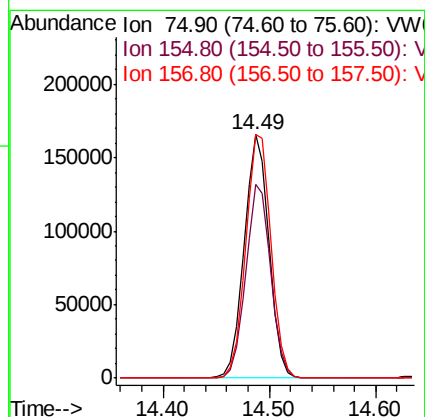
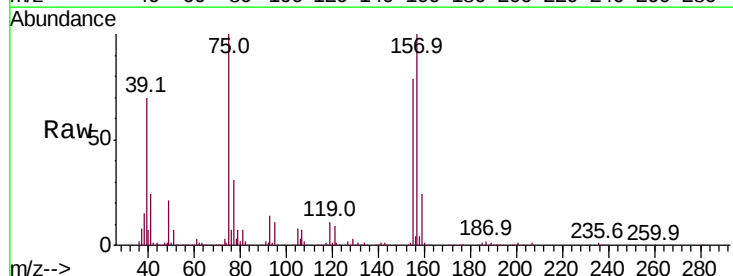
RT: 14.49 min Scan# 2064

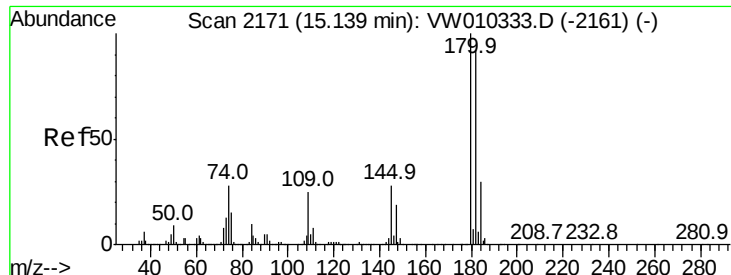
Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Tgt Ion:	75	Resp:	269323
Ion	Ratio	Lower	Upper
75	100		
155	80.2	37.1	111.5
157	102.3	47.3	141.9





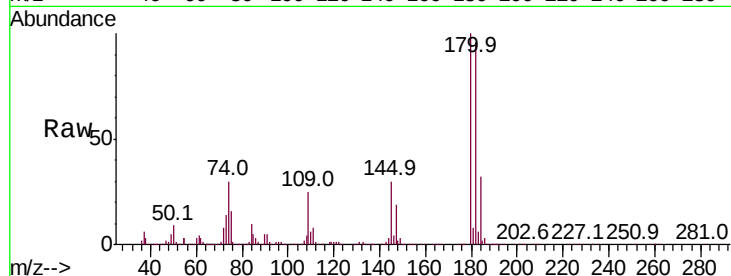
#93
 1,2,4-Trichlorobenzene
 Concen: 108.555 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	30.1	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:27 AM

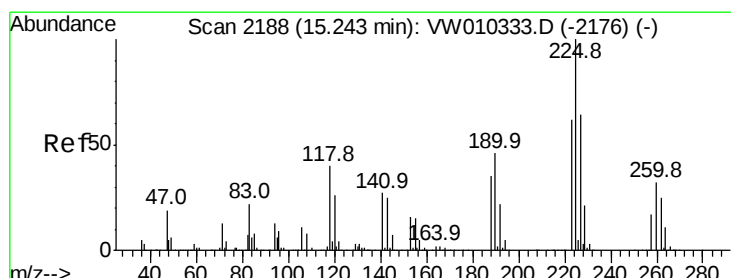
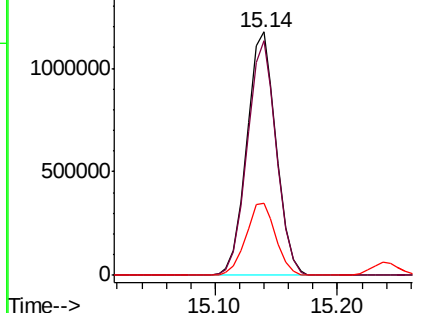
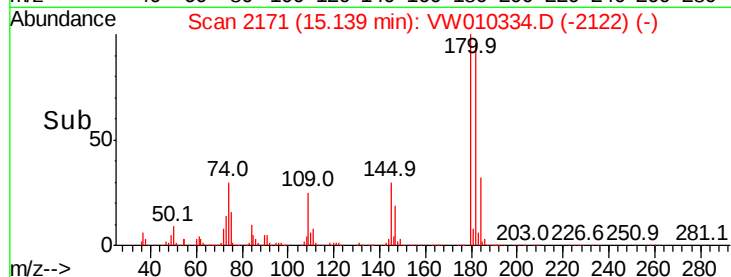


Abundance

Ion 179.80 (179.50 to 180.50): V

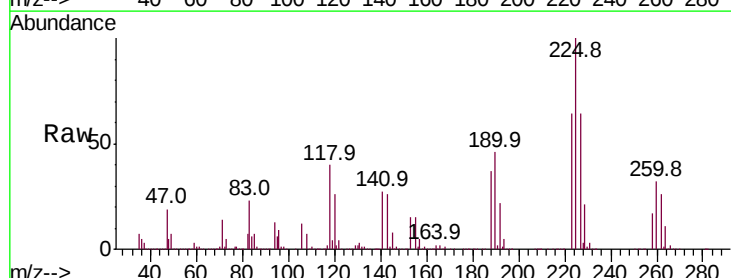
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 111.673 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010334.D
 Acq: 09 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.5
227	63.4	31.8	95.3

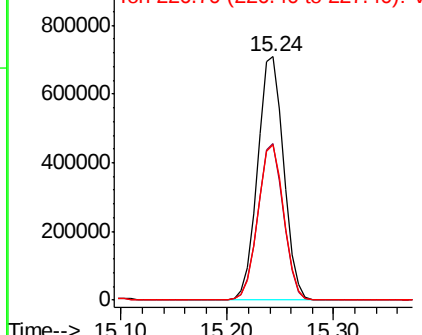
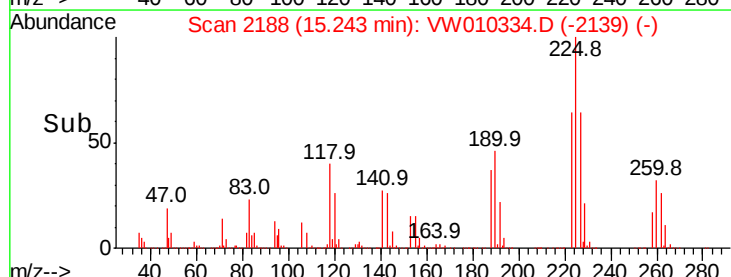


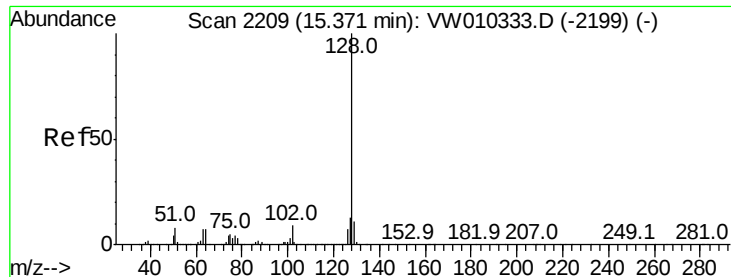
Abundance

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: 131.779 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 4254850

Ion Ratio Lower Upper

128 100

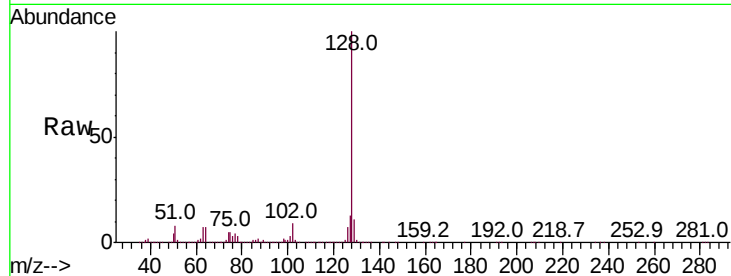
127 13.0 10.6 15.8

129 11.0 8.7 13.1

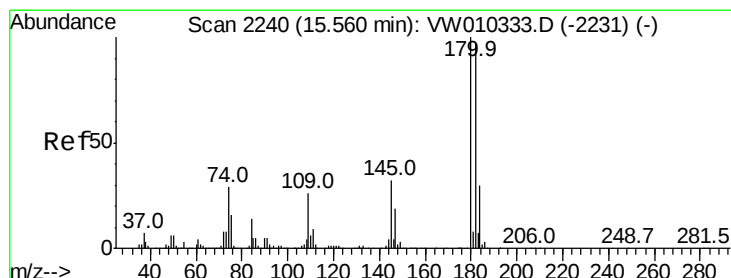
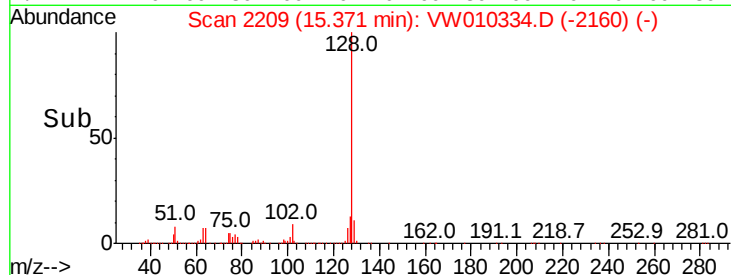
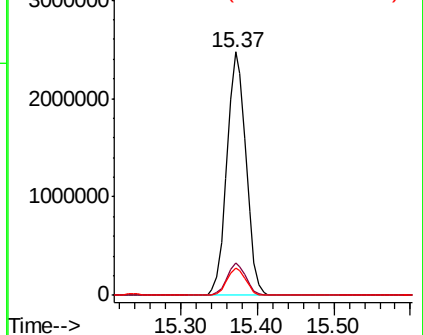
Manual Integrations
APPROVED

MMDadoda

5/10/2019 10:07:27 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 112.450 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010334.D

Acq: 09 May 2019 13:02

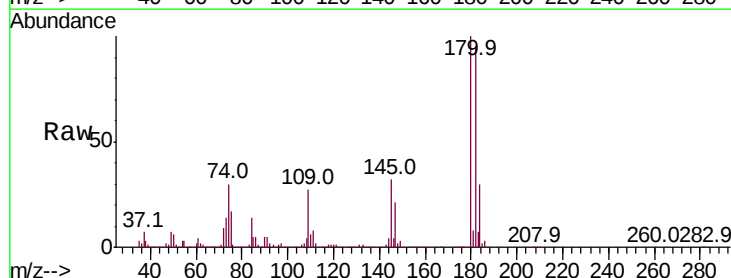
Tgt Ion:180 Resp: 1754554

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.3

145 31.5 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

