

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010422.D
 Acq On : 17 May 2019 19:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:14 PM

Quant Time: May 17 23:45:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	867777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1526877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1385276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	611683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1358672	152.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.48%	
35) Dibromofluoromethane	7.88	113	1356778	149.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.34%	
50) Toluene-d8	10.32	98	5195206	150.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.80%	
62) 4-Bromofluorobenzene	12.62	95	1946589	143.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	864536	158.132	ug/l	99
3) Chloromethane	2.21	50	1284069	171.062	ug/l	99
4) Vinyl Chloride	2.35	62	1374288	145.604	ug/l	96
5) Bromomethane	2.74	94	717103	119.027	ug/l	99
6) Chloroethane	2.89	64	873807	154.939	ug/l	93
7) Trichlorofluoromethane	3.25	101	1871224	287.048	ug/l	98
8) Diethyl Ether	3.68	74	702760	154.384	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1244632	154.273	ug/l	99
10) Methyl Iodide	4.26	142	1499072	120.433	ug/l	98
11) Tert butyl alcohol	5.18	59	571447	779.542	ug/l	100
12) 1,1-Dichloroethene	4.03	96	1160500	137.712	ug/l	98
13) Acrolein	3.89	56	367188	791.403	ug/l	98
14) Allyl chloride	4.67	41	1796114	164.372	ug/l	99
15) Acrylonitrile	5.37	53	1502175	748.482	ug/l	99
16) Acetone	4.13	43	1104063	689.953	ug/l	99
17) Carbon Disulfide	4.37	76	3297012	143.838	ug/l	99
18) Methyl Acetate	4.67	43	700774	137.114	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	3398788	246.563	ug/l	100
20) Methylene Chloride	4.91	84	1239912	132.576	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	1365507	145.403	ug/l	99
22) Diisopropyl ether	6.31	45	4044931	155.272	ug/l	98
23) Vinyl Acetate	6.26	43	12721039	717.333	ug/l	99
24) 1,1-Dichloroethane	6.21	63	2287817	144.012	ug/l	99
25) 2-Butanone	7.17	43	2000803	667.418	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1932941	213.764	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1536987	141.835	ug/l	99
28) Bromochloromethane	7.51	49	941718	142.918	ug/l	99
29) Tetrahydrofuran	7.53	42	1350640	672.571	ug/l	98
30) Chloroform	7.68	83	2388784	143.119	ug/l	99
31) Cyclohexane	7.95	56	2065664	133.705	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	2205655	163.887	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1806009	137.460	ug/l	99
37) Ethyl Acetate	7.25	43	906085	137.539	ug/l	99
38) Carbon Tetrachloride	8.07	117	1961034	145.534	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	2394995	137.607	ug/l	99
40) Benzene	8.32	78	5229145	136.823	ug/l	99
41) Methacrylonitrile	7.48	41	529549	132.299	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	1559378	139.926	ug/l	100
43) Isopropyl Acetate	8.43	43	1865510	137.449	ug/l	99
44) Trichloroethene	9.09	130	1527061	139.904	ug/l	100
45) 1,2-Dichloropropane	9.37	63	1297952	136.890	ug/l	99
46) Dibromomethane	9.46	93	762424	138.094	ug/l	98
47) Bromodichloromethane	9.65	83	1924177	142.118	ug/l	98
48) Methyl methacrylate	9.44	41	846734	135.734	ug/l	98
49) 1,4-Dioxane	9.45	88	218828	2267.773	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	4776282	679.769	ug/l	99
52) Toluene	10.39	92	3517743	138.115	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	1972058	138.278	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	2224185	137.947	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	1111935	139.281	ug/l	99
56) Ethyl methacrylate	10.65	69	1598483	141.013	ug/l	100
57) 1,3-Dichloropropane	10.93	76	1858999	139.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	3804857	765.795	ug/l	98
59) 2-Hexanone	10.97	43	3269125	659.633	ug/l	99
60) Dibromochloromethane	11.13	129	1411793	141.575	ug/l	100
61) 1,2-Dibromoethane	11.24	107	1123237	139.428	ug/l	99
64) Tetrachloroethene	10.86	164	1249984	136.510	ug/l	99
65) Chlorobenzene	11.66	112	3825840	139.186	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1413197	138.838	ug/l	99
67) Ethyl Benzene	11.73	91	6614657	135.504	ug/l	100
68) m/p-Xylenes	11.84	106	5176541	271.013	ug/l	99
69) o-Xylene	12.17	106	2520157	136.896	ug/l	98
70) Styrene	12.18	104	4381674	136.923	ug/l	99
71) Bromoform	12.35	173	823941	139.595	ug/l #	98
73) Isopropylbenzene	12.46	105	6578990	147.426	ug/l	100
74) N-amyl acetate	12.27	43	1858892	150.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	1315103	149.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	902296m	135.564	ug/l	
77) Bromobenzene	12.75	156	1530714	148.670	ug/l	99
78) n-propylbenzene	12.80	91	7526853	144.233	ug/l	100
79) 2-Chlorotoluene	12.90	91	4451037	146.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	5546630	144.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	475977	148.674	ug/l	98
82) 4-Chlorotoluene	12.99	91	4674551	146.819	ug/l	99
83) tert-Butylbenzene	13.21	119	4671694	144.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	5453578	142.199	ug/l	100
85) sec-Butylbenzene	13.38	105	6525102	142.287	ug/l	100
86) p-Isopropyltoluene	13.50	119	5948013	142.548	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	2870553	143.364	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2808213	140.523	ug/l	99
89) n-Butylbenzene	13.83	91	5616128	141.019	ug/l	99
90) Hexachloroethane	14.10	117	1215203	147.099	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	2560284	139.297	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	221619	135.928	ug/l	98

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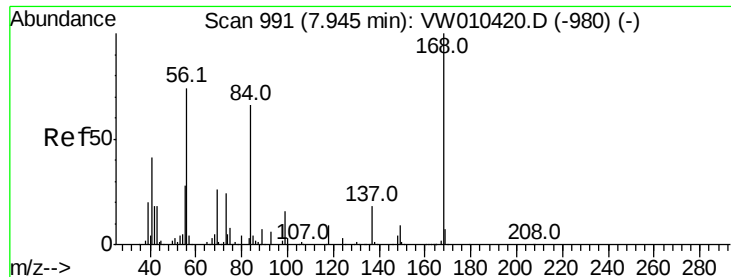
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1675893	132.642	ug/l	99
94) Hexachlorobutadiene	15.24	225	863963	133.857	ug/l	99
95) Naphthalene	15.37	128	3724098	132.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1477087	131.643	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 867777

Ion Ratio Lower Upper

168 100

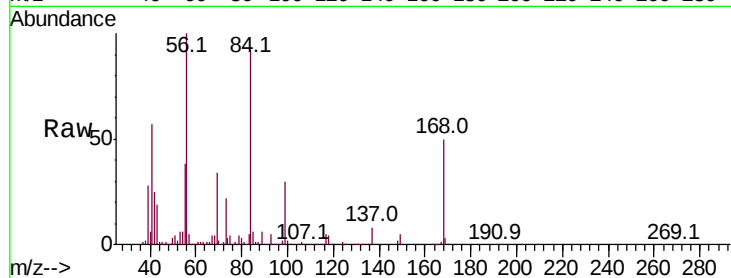
99 59.0 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

600000

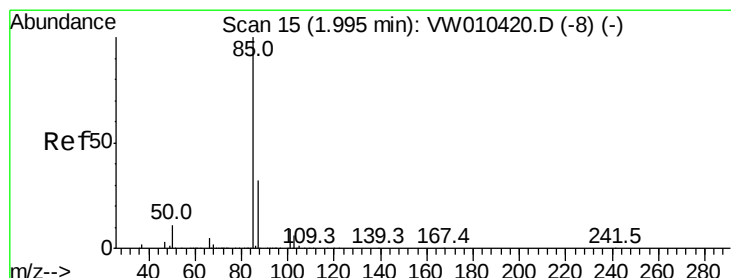
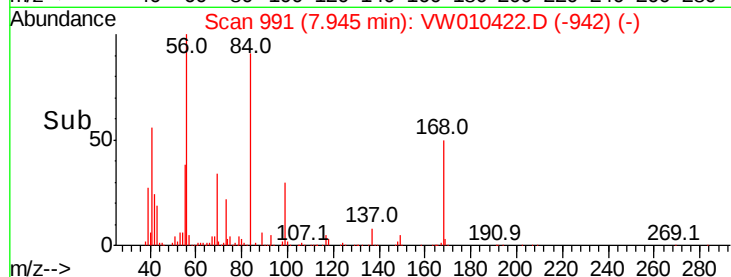
400000

200000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 158.132 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010422.D

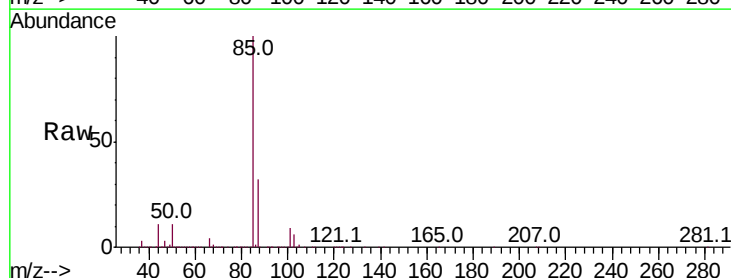
Acq: 17 May 2019 19:16

Tgt Ion: 85 Resp: 864536

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

600000

500000

400000

300000

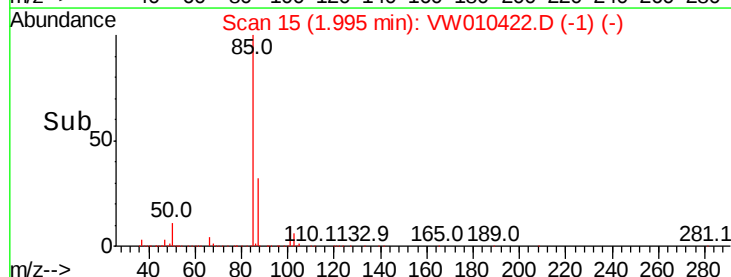
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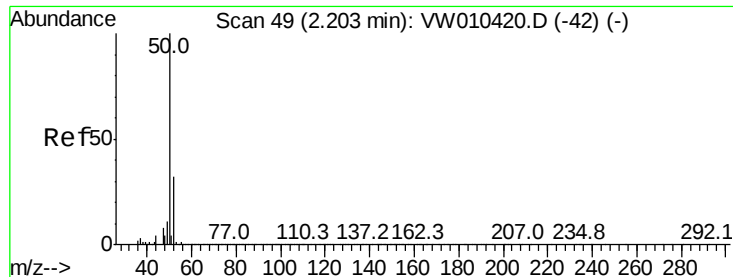
100000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 171.062 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1284069

Ion Ratio Lower Upper

50 100

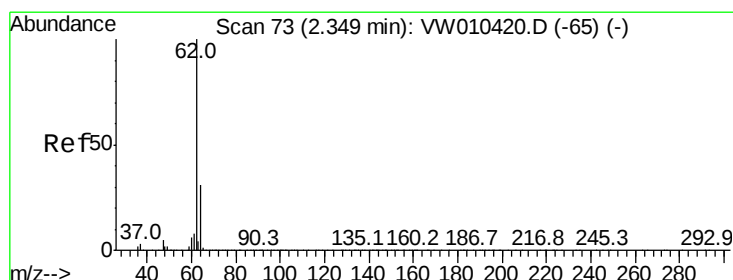
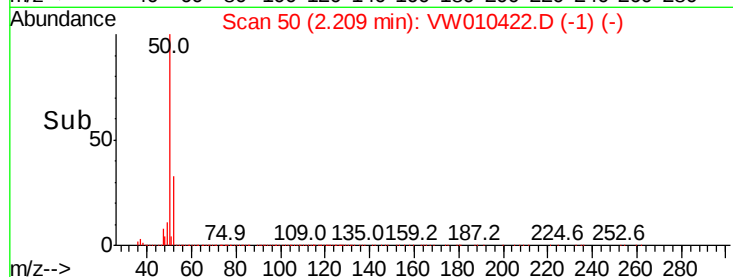
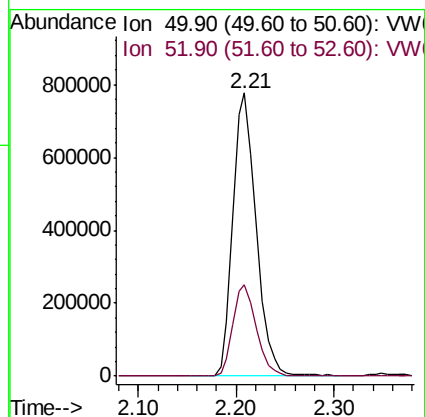
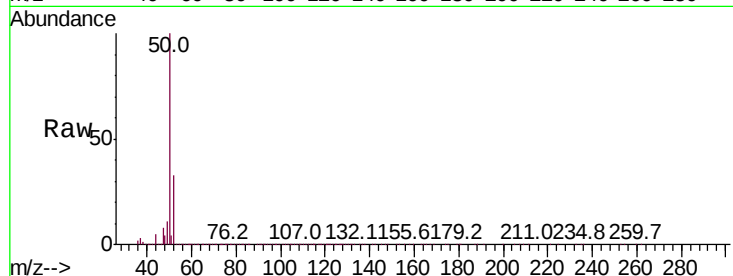
52 32.5 25.4 38.0

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#4

Vinyl Chloride

Concen: 145.604 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010422.D

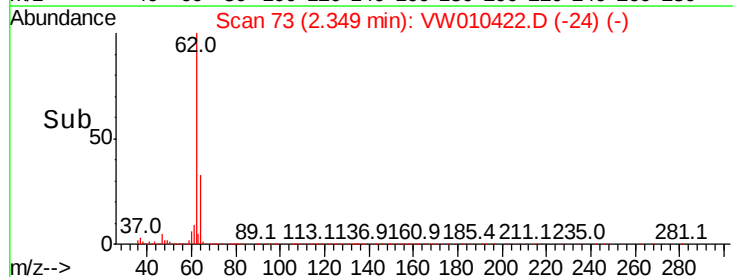
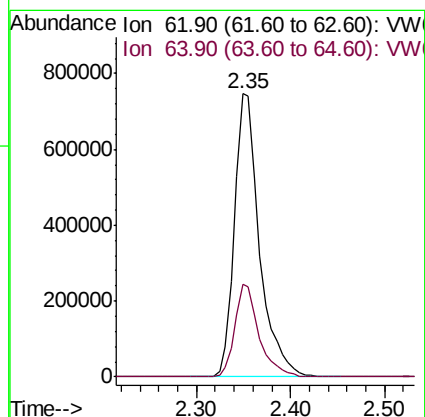
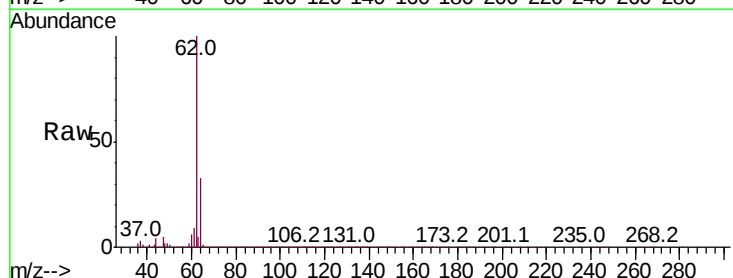
Acq: 17 May 2019 19:16

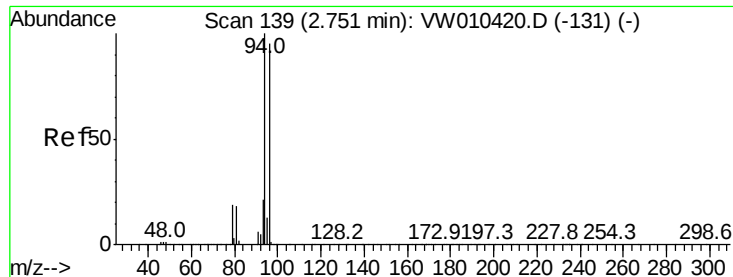
Tgt Ion: 62 Resp: 1374288

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6





#5

Bromomethane

Concen: 119.027 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 717103

Ion Ratio Lower Upper

94 100

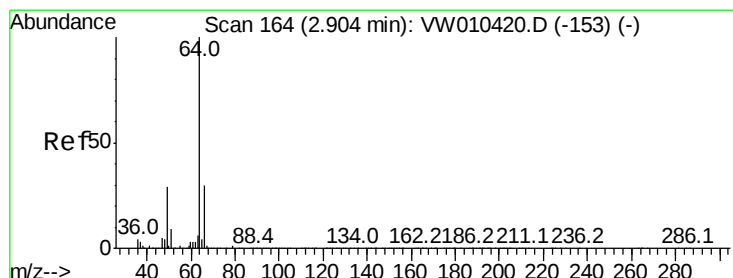
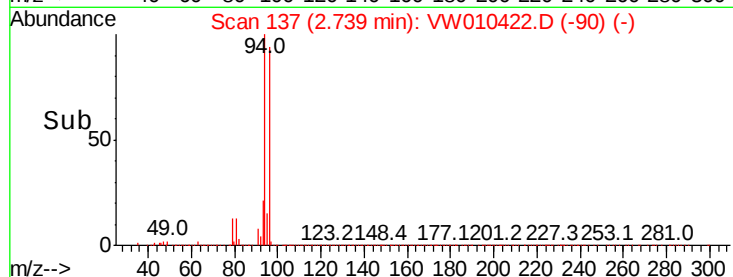
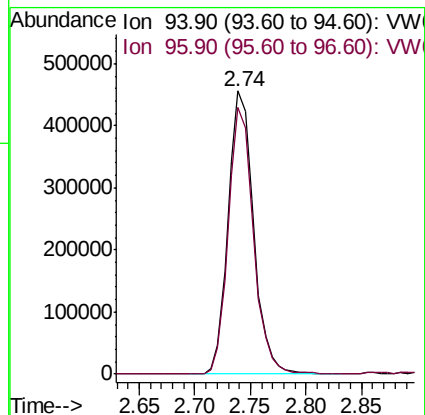
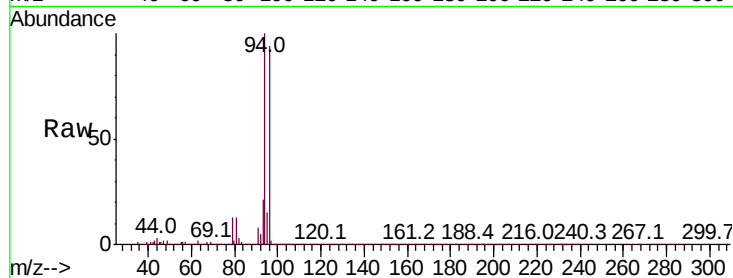
96 94.1 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 154.939 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.01 min

Lab File: VW010422.D

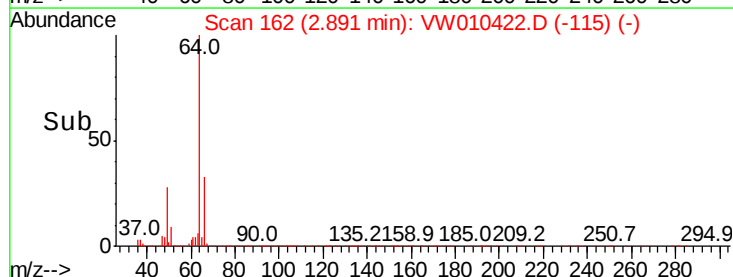
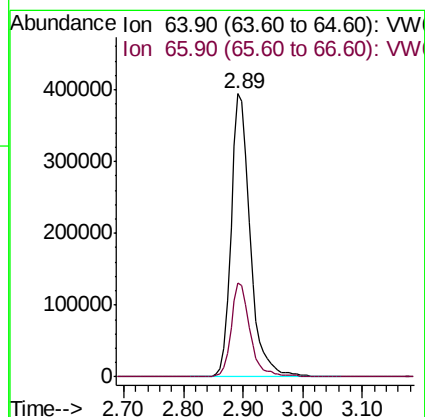
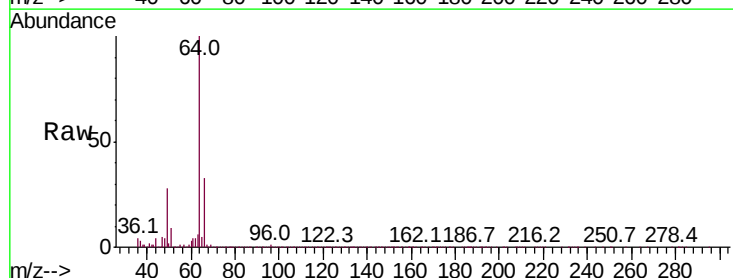
Acq: 17 May 2019 19:16

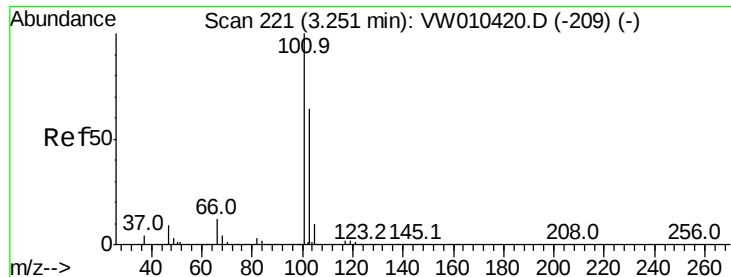
Tgt Ion: 64 Resp: 873807

Ion Ratio Lower Upper

64 100

66 33.1 23.6 35.4





#7

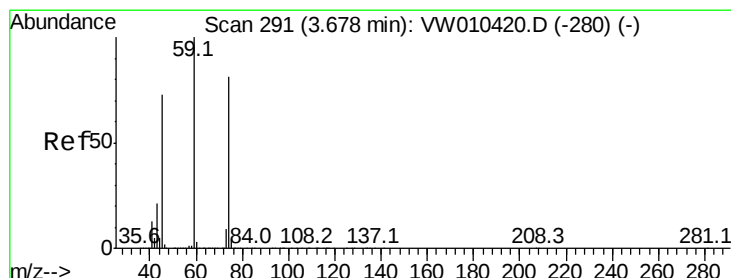
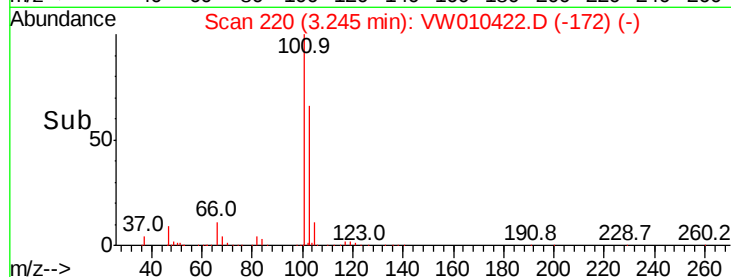
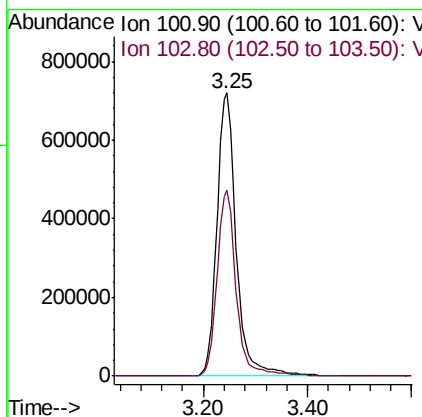
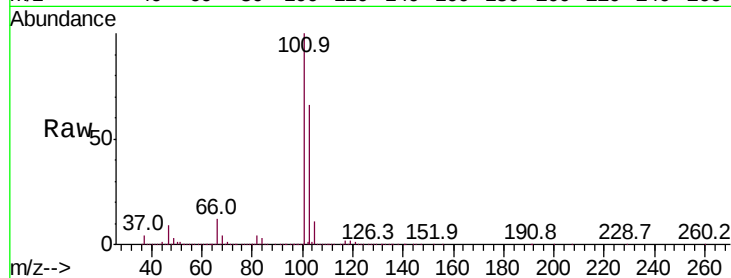
Trichlorofluoromethane
Concen: 287.048 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

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VSTDIC150

Tot Ion:101 Resp: 1871224
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.0

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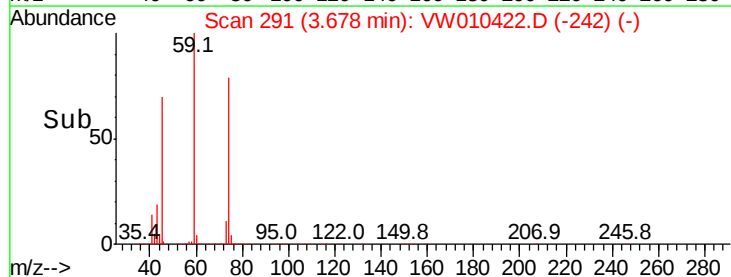
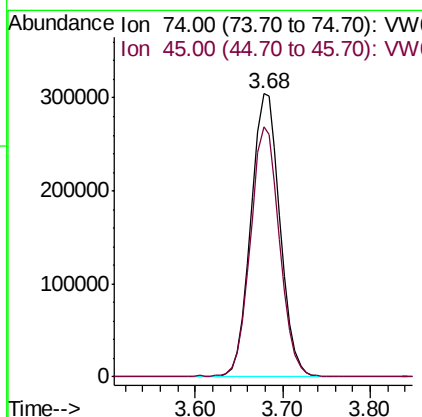
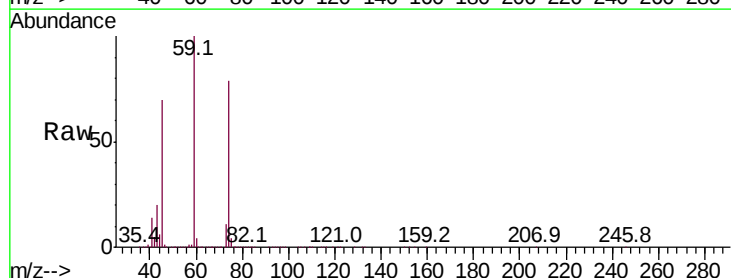
MMDadoda
5/20/2019 12:16:14 PM

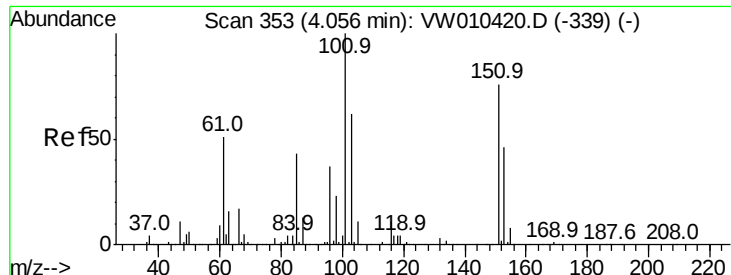


#8

Diethyl Ether
Concen: 154.384 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 74 Resp: 702760
Ion Ratio Lower Upper
74 100
45 88.7 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.273 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1244632

Ion Ratio Lower Upper

101 100

85 43.0 34.3 51.5

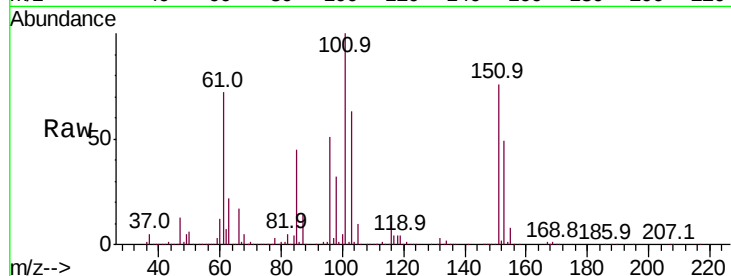
151 75.6 59.4 89.2

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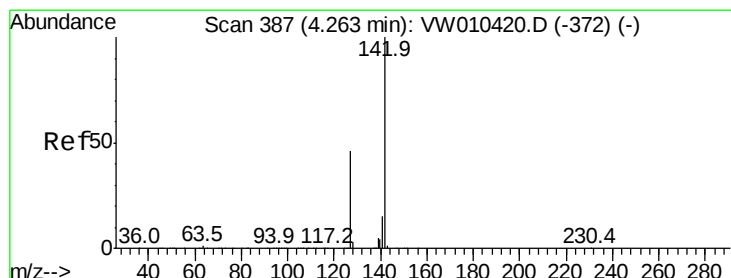
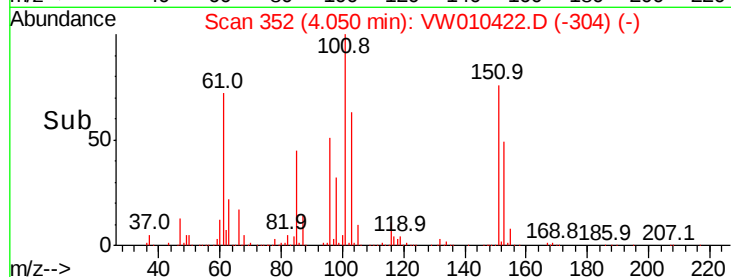
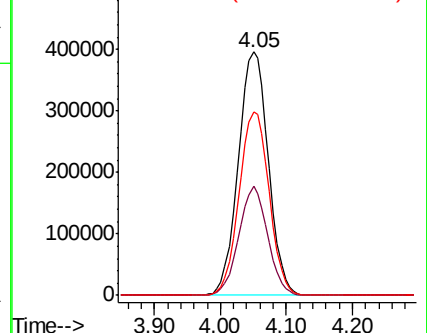
5/20/2019 12:16:14 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 120.433 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

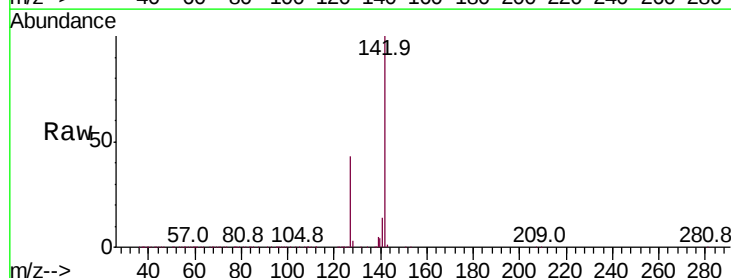
Tgt Ion:142 Resp: 1499072

Ion Ratio Lower Upper

142 100

127 43.0 35.4 53.2

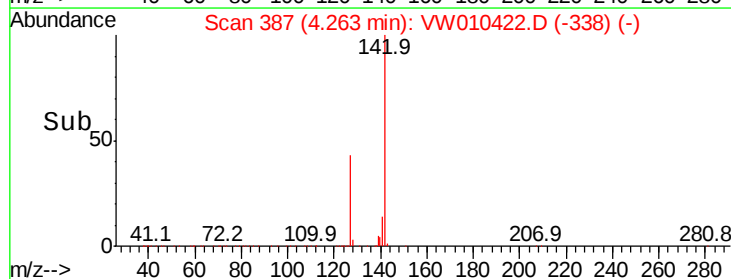
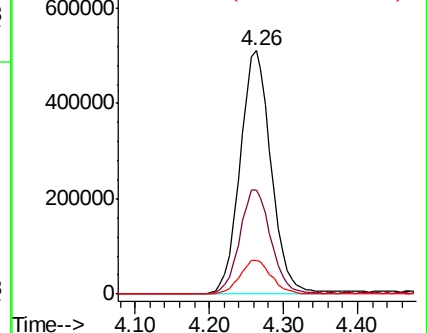
141 14.1 11.4 17.2

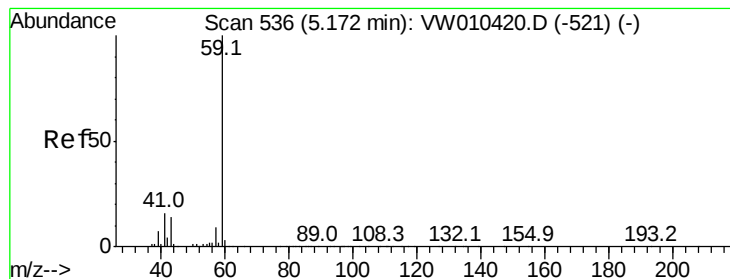


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

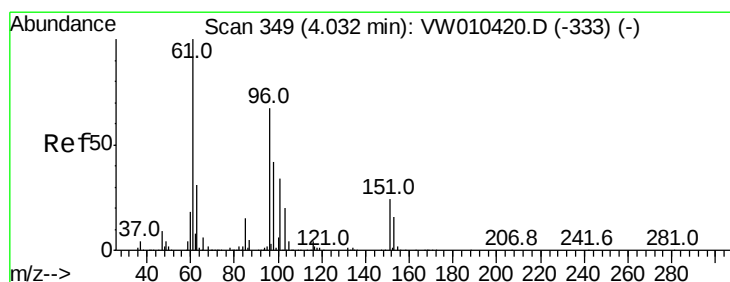
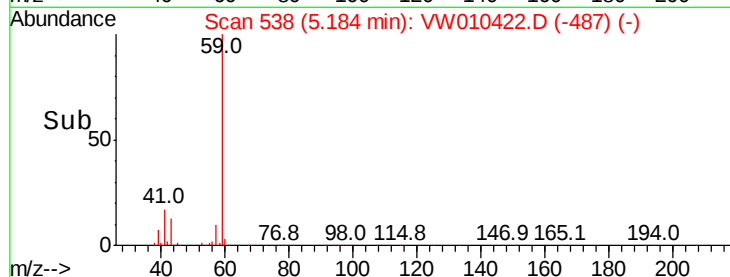
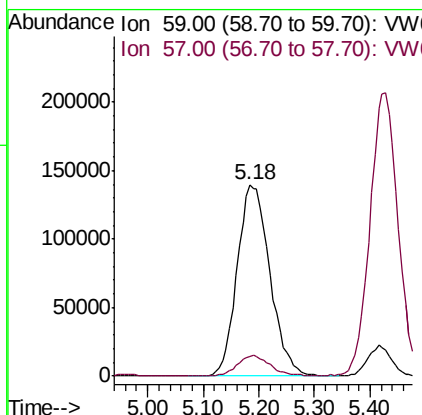
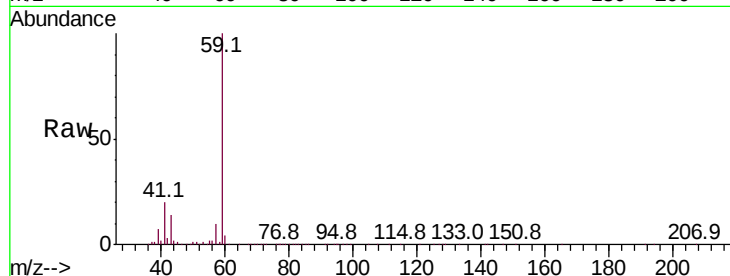
Tert butyl alcohol
Concen: 779.542 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
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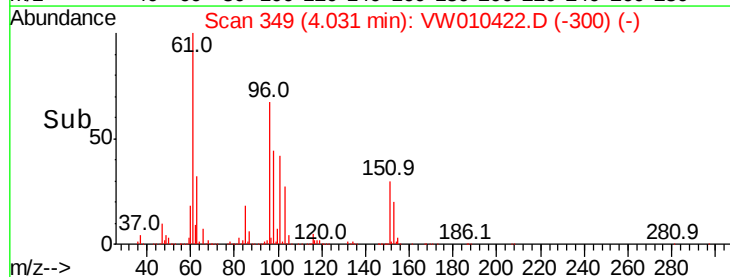
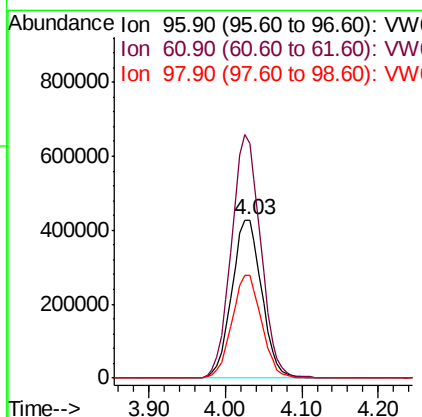
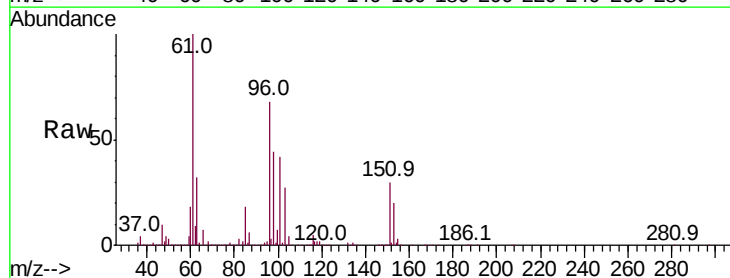
MMDadoda
5/20/2019 12:16:14 PM

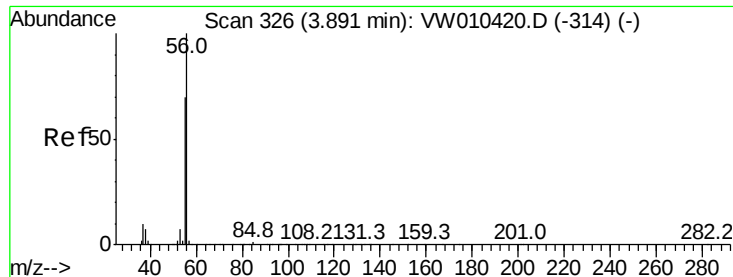


#12

1,1-Dichloroethene
Concen: 137.712 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	120.3	180.5
98	64.6	50.7	76.1





#13

Acrolein

Concen: 791.403 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 367188

Ion Ratio Lower Upper

56 100

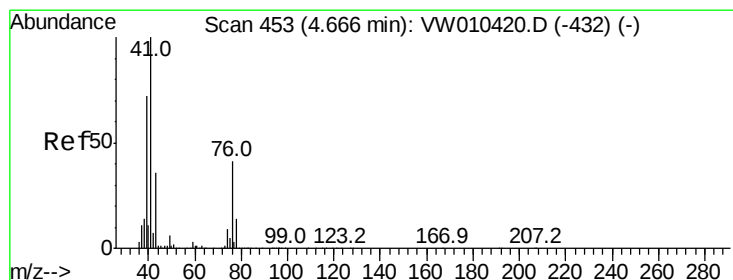
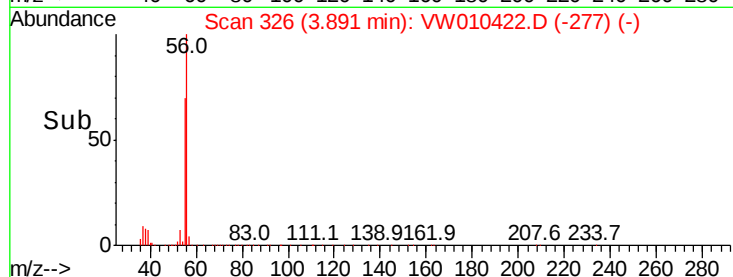
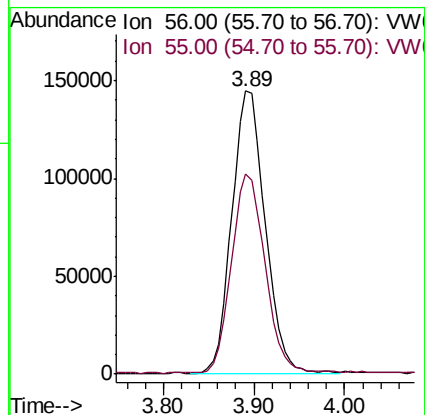
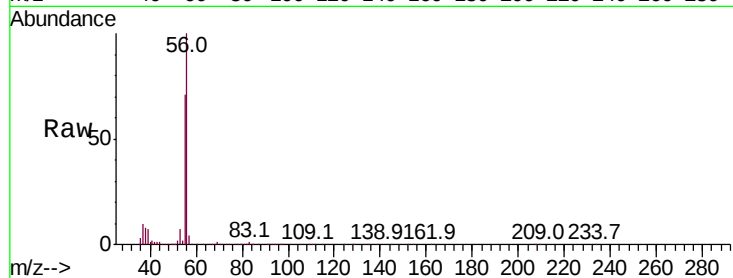
55 70.7 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 164.372 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

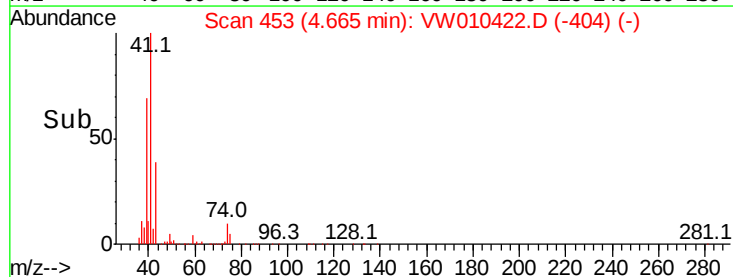
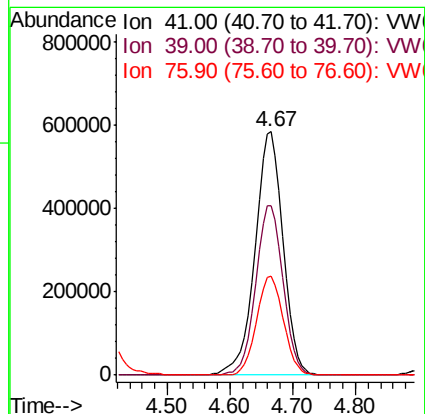
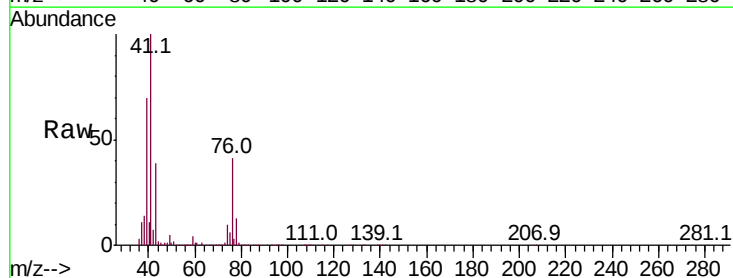
Tgt Ion: 41 Resp: 1796114

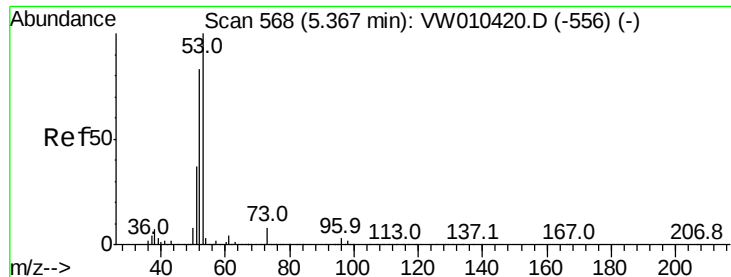
Ion Ratio Lower Upper

41 100

39 68.0 54.9 82.3

76 38.9 31.8 47.6





#15

Acrylonitrile

Concen: 748.482 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1502175

Ion Ratio Lower Upper

53 100

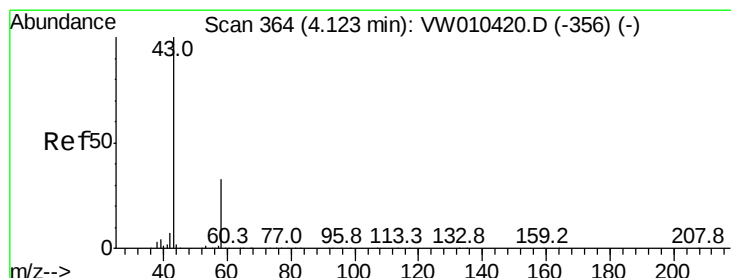
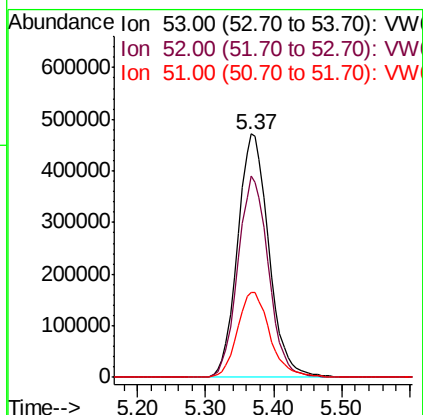
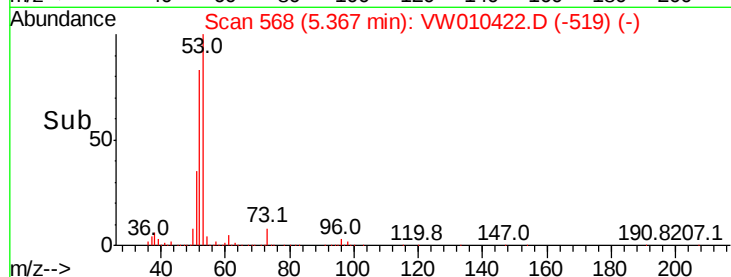
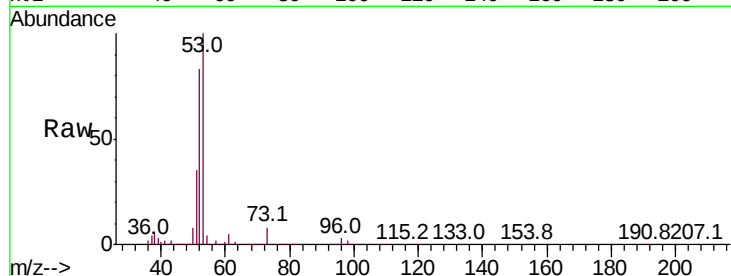
52 81.2 63.9 95.9

51 36.4 29.5 44.3

Manual Integrations
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#16

Acetone

Concen: 689.953 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010422.D

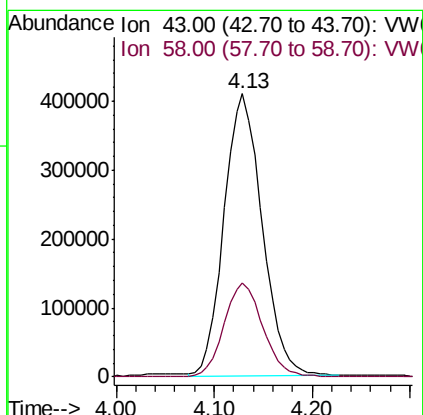
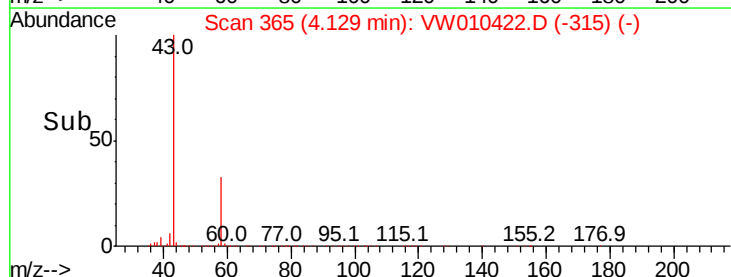
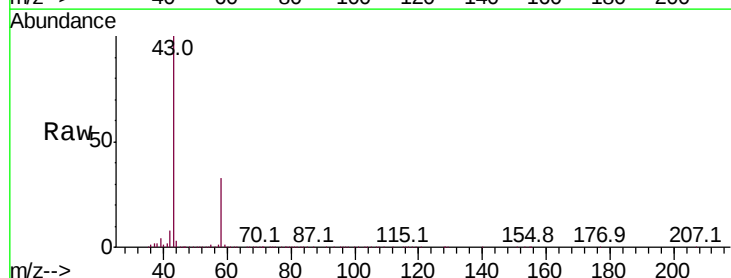
Acq: 17 May 2019 19:16

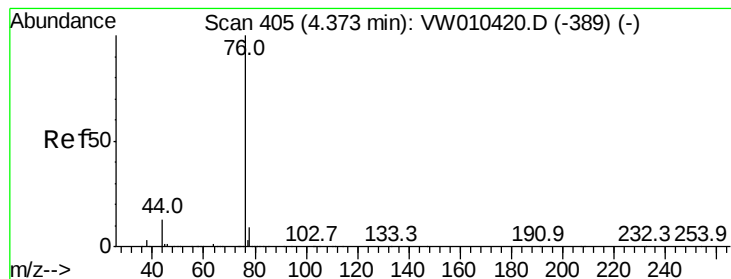
Tgt Ion: 43 Resp: 1104063

Ion Ratio Lower Upper

43 100

58 33.2 26.0 39.0





#17

Carbon Disulfide

Concen: 143.838 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 3297012

Ion Ratio Lower Upper

76 100

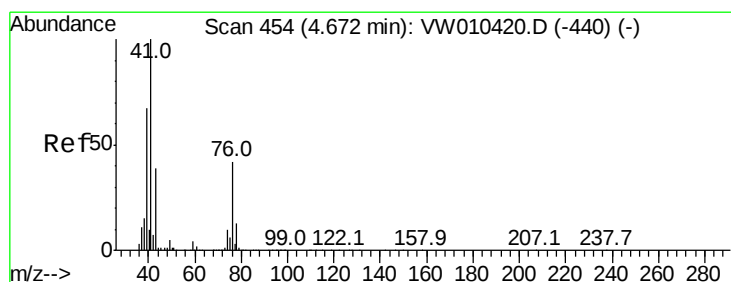
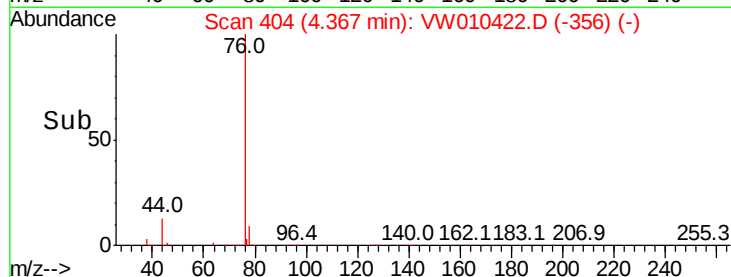
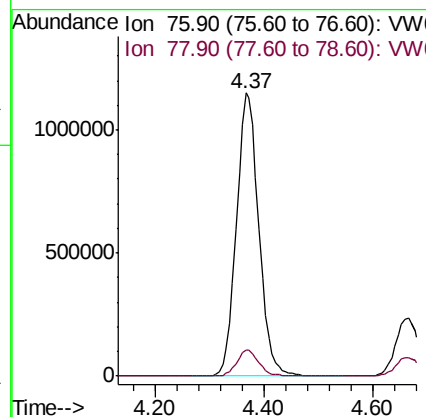
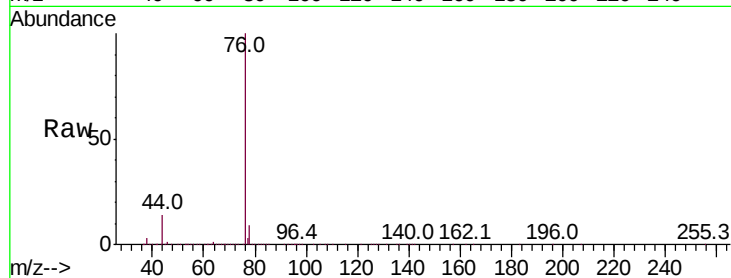
78 9.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 137.114 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010422.D

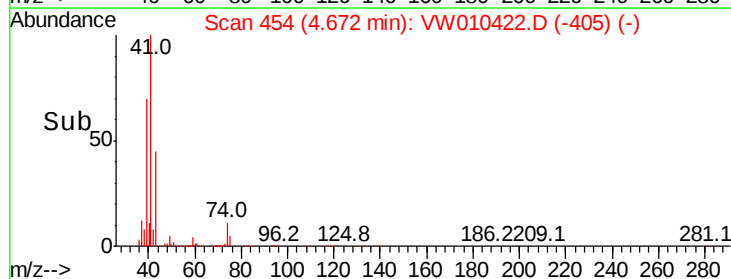
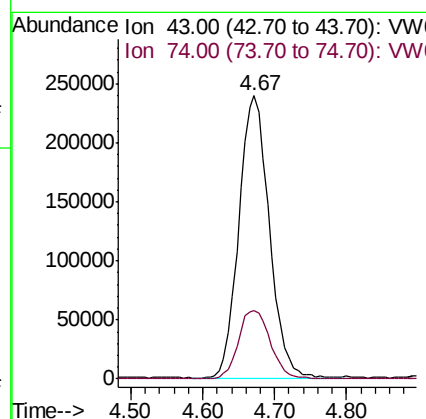
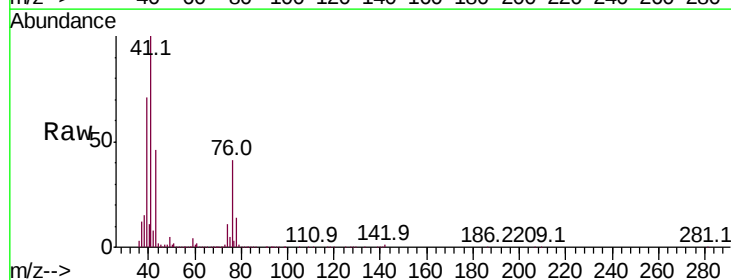
Acq: 17 May 2019 19:16

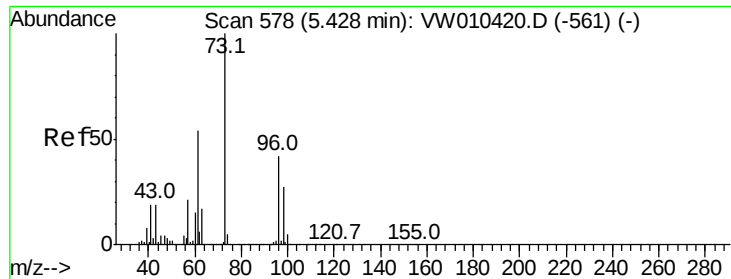
Tgt Ion: 43 Resp: 700774

Ion Ratio Lower Upper

43 100

74 25.5 21.2 31.8





#19

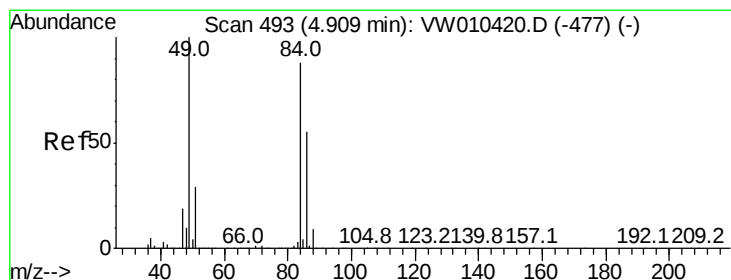
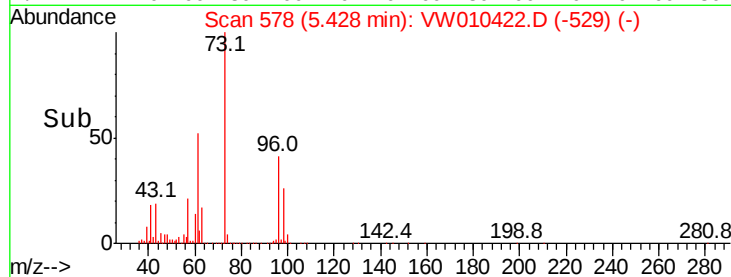
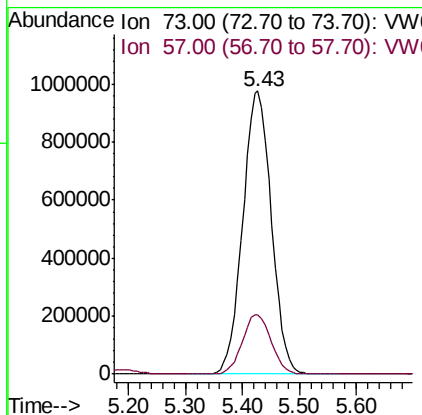
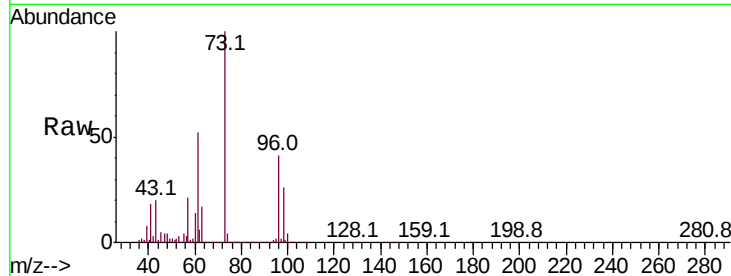
Methyl tert-butyl Ether
 Concen: 246.563 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 73 Resp: 3398788
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.0 25.4

Manual Integrations
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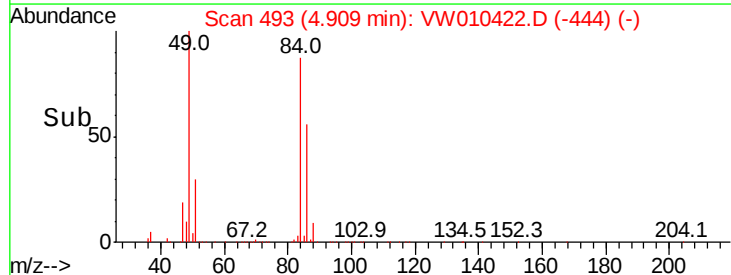
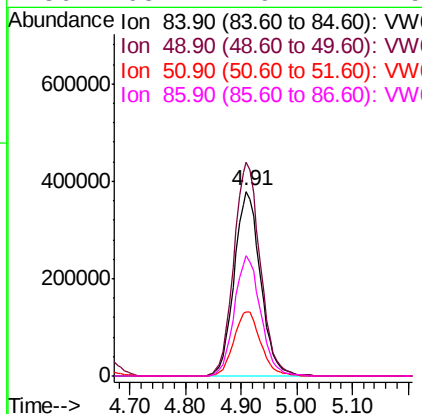
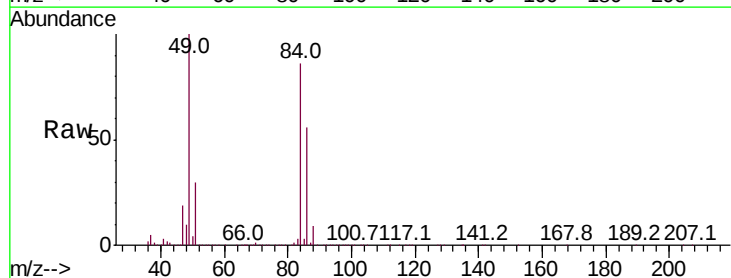
MMDadoda
 5/20/2019 12:16:14 PM

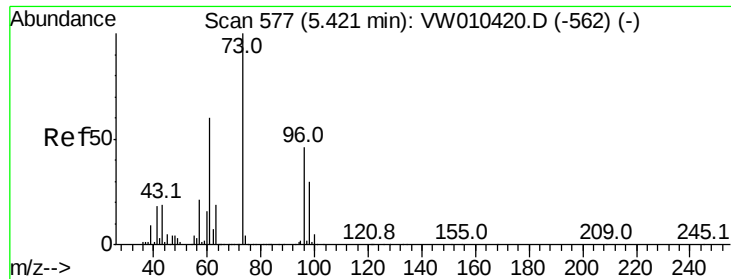


#20

Methylene Chloride
 Concen: 132.576 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 84 Resp: 1239912
 Ion Ratio Lower Upper
 84 100
 49 115.8 90.6 135.8
 51 34.8 26.6 40.0
 86 65.2 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 145.403 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1365507

Ion Ratio Lower Upper

96 100

61 129.2 103.9 155.9

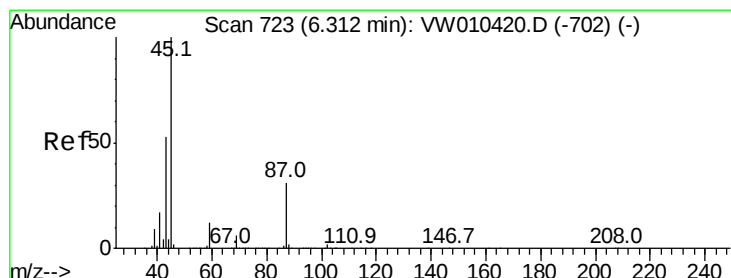
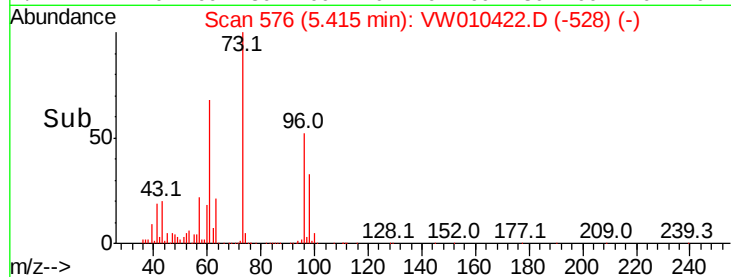
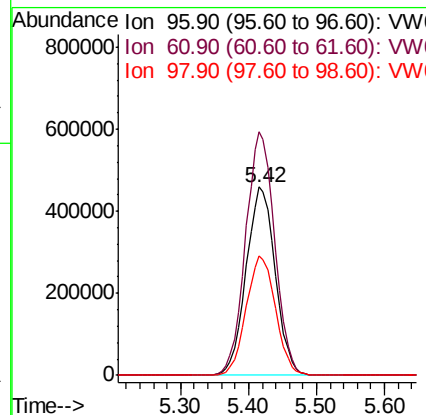
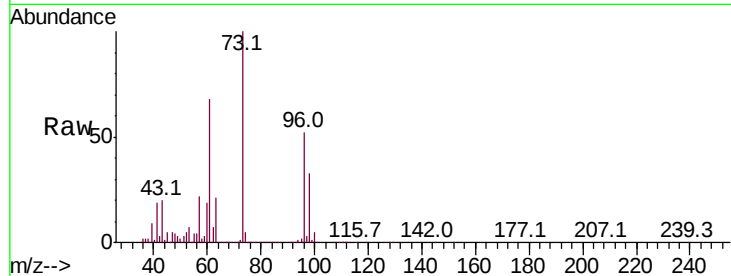
98 63.3 51.5 77.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 155.272 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion: 45 Resp: 4044931

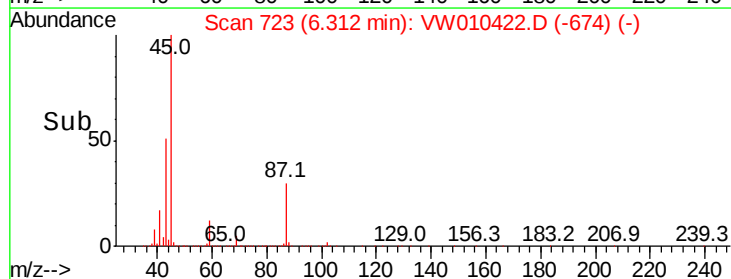
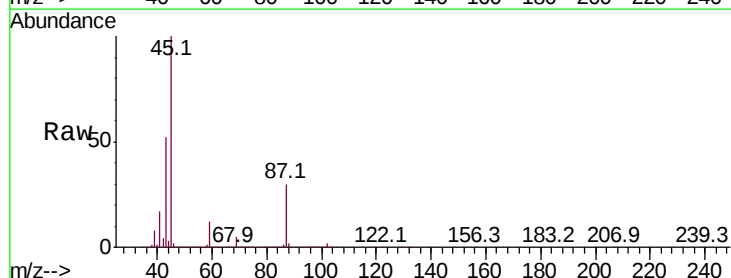
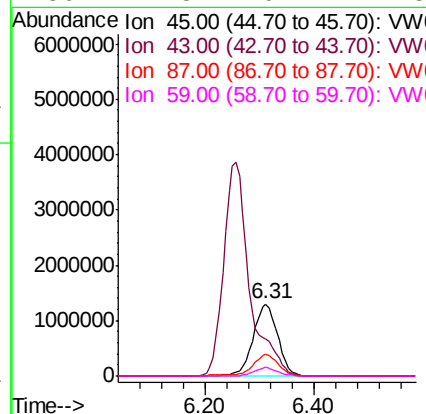
Ion Ratio Lower Upper

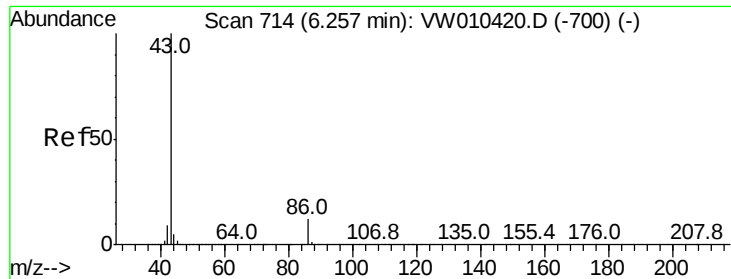
45 100

43 51.5 42.0 63.0

87 29.9 25.0 37.6

59 11.8 9.7 14.5





#23

Vinyl Acetate

Concen: 717.333 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:12721039

Ion Ratio Lower Upper

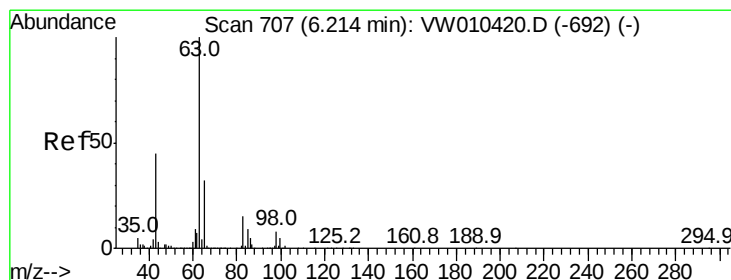
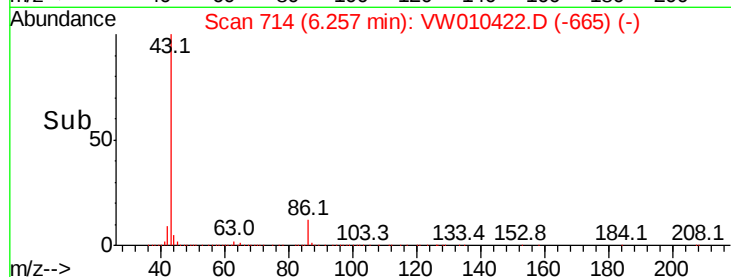
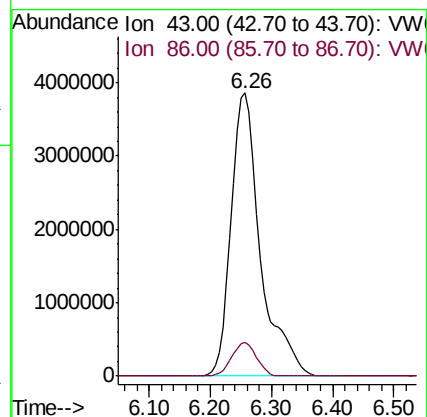
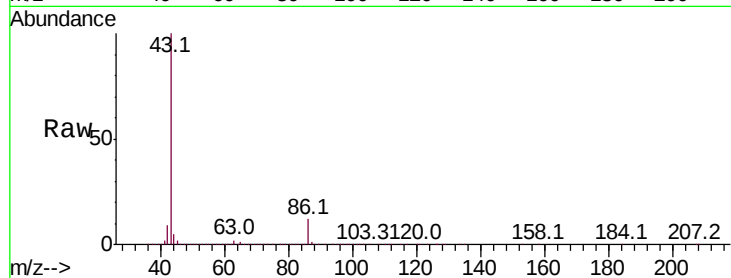
43 100

86 11.9 9.7 14.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 144.012 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

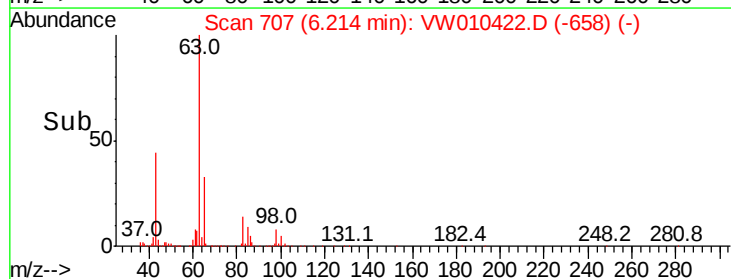
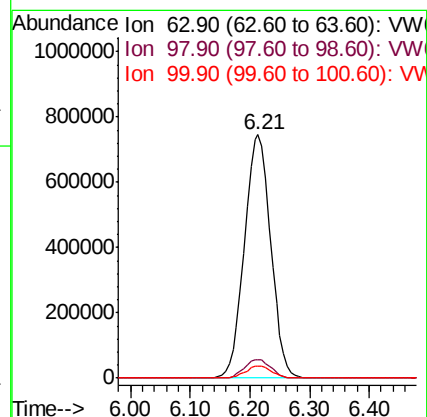
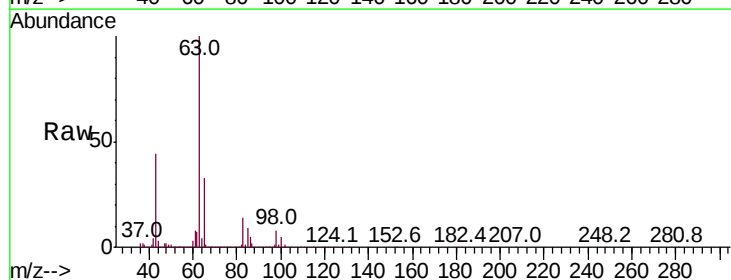
Tgt Ion: 63 Resp: 2287817

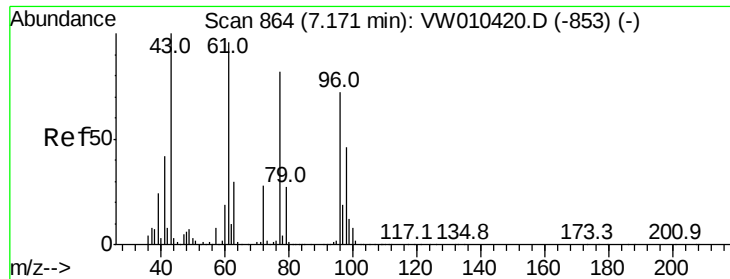
Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.0

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 667.418 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2000803

Ion Ratio Lower Upper

43 100

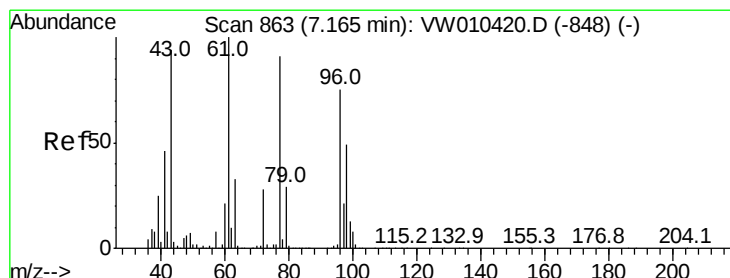
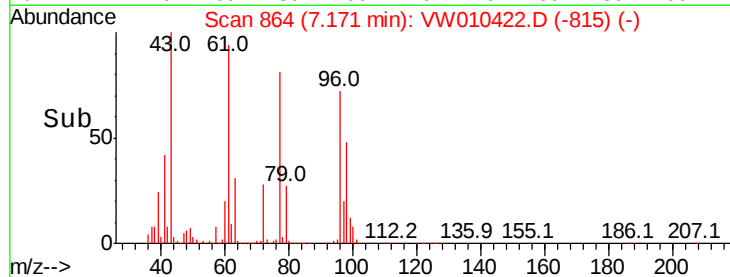
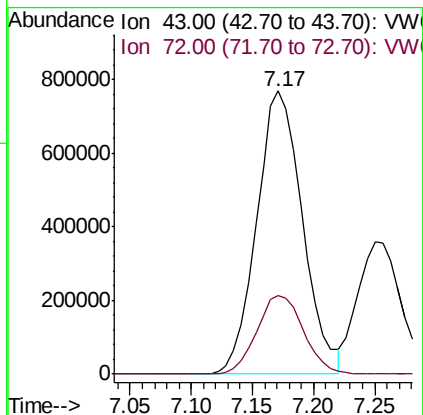
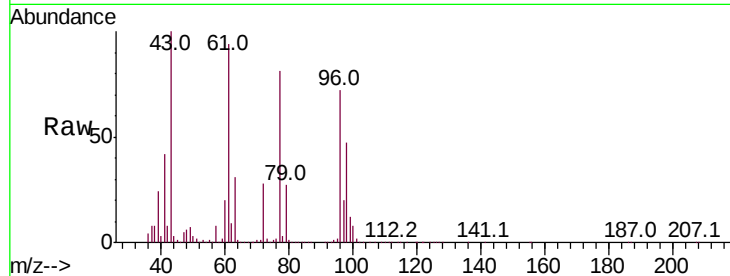
72 27.7 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 213.764 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010422.D

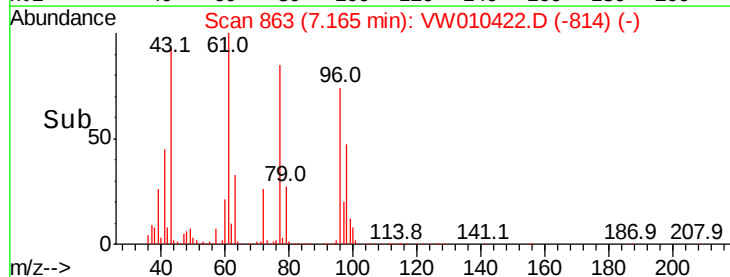
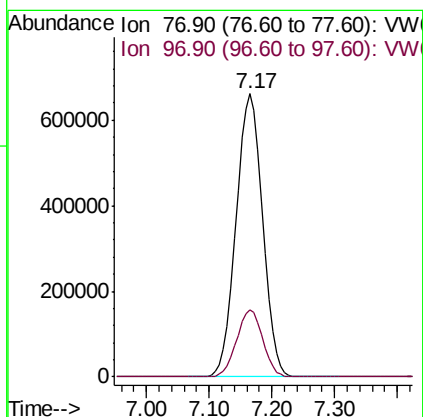
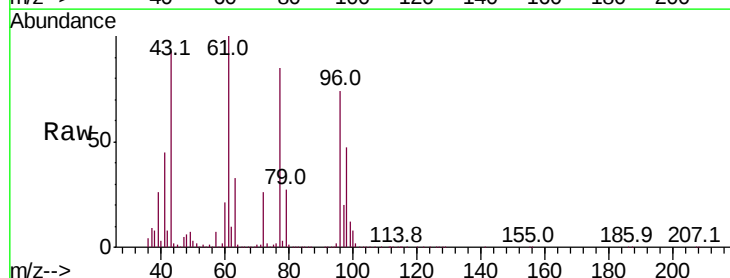
Acq: 17 May 2019 19:16

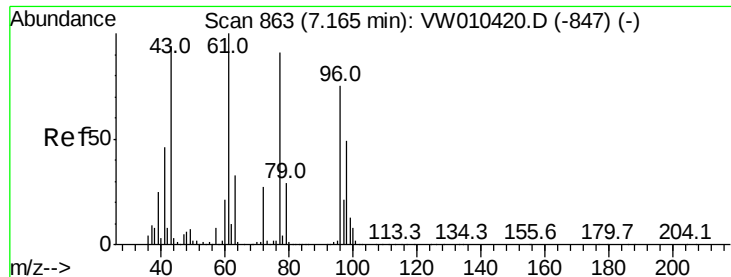
Tgt Ion: 77 Resp: 1932941

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

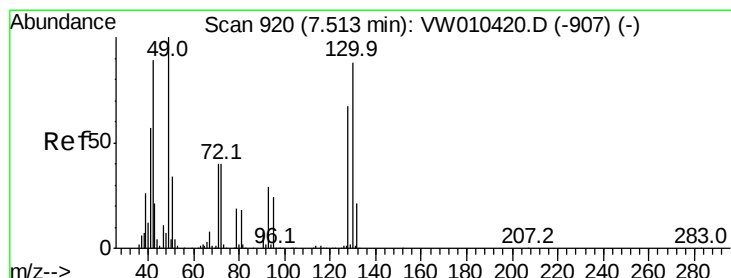
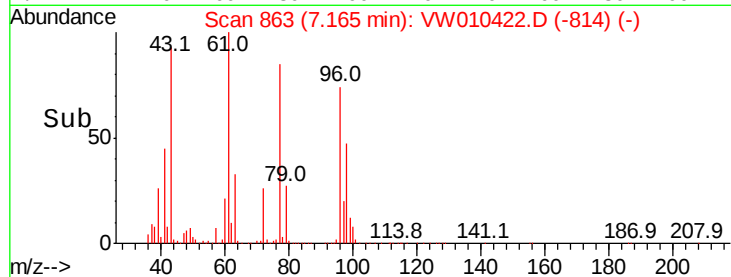
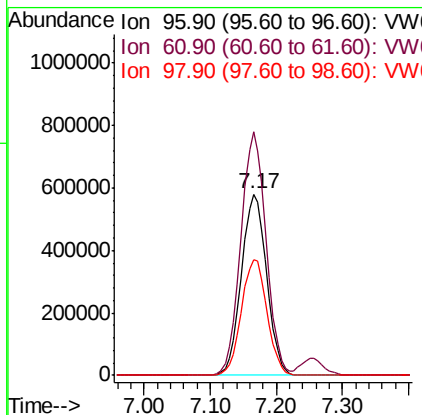
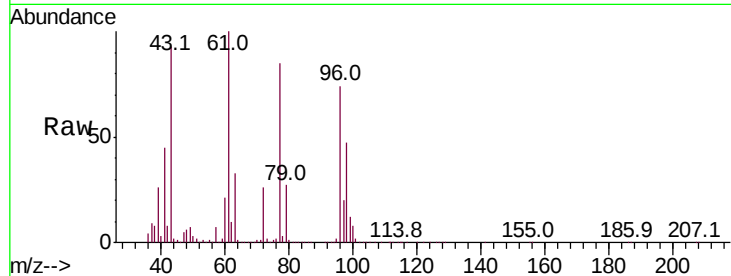
cis-1,2-Dichloroethene
Concen: 141.835 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	266.4
98	64.7	0.0	129.6

Manual Integrations
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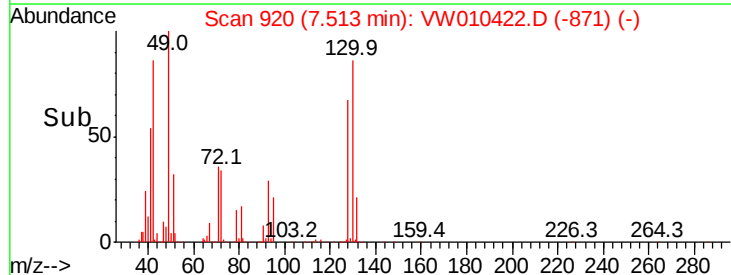
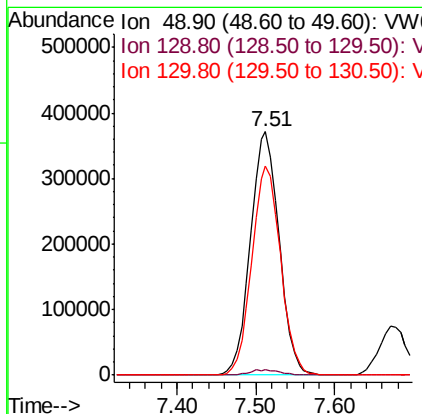
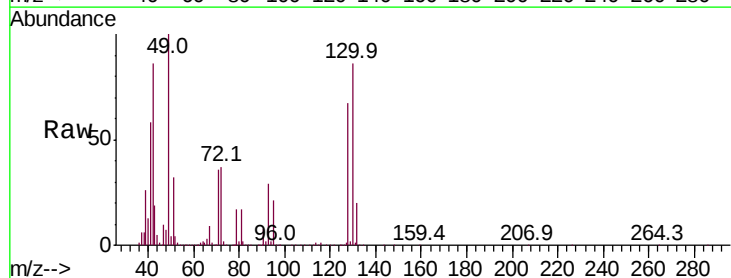
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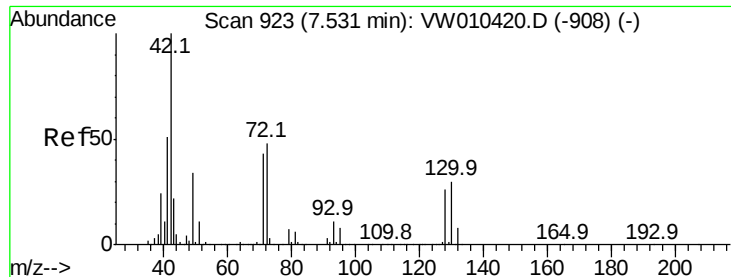


#28

Bromochloromethane
Concen: 142.918 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	85.8	68.2	102.4





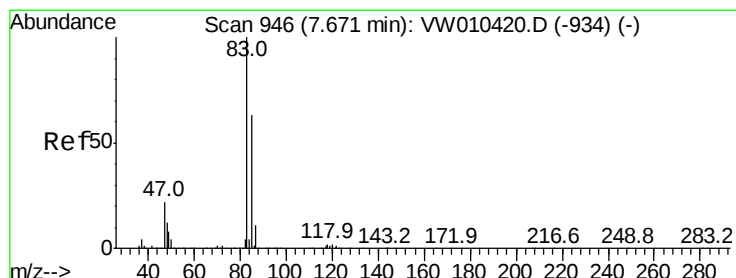
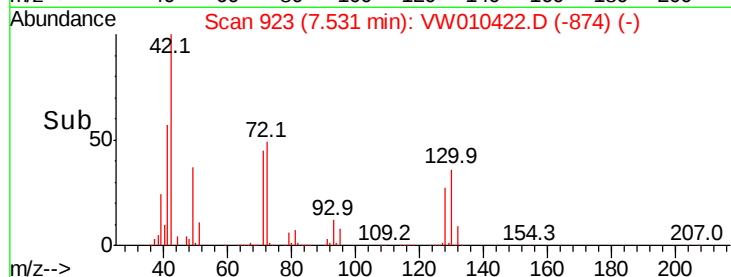
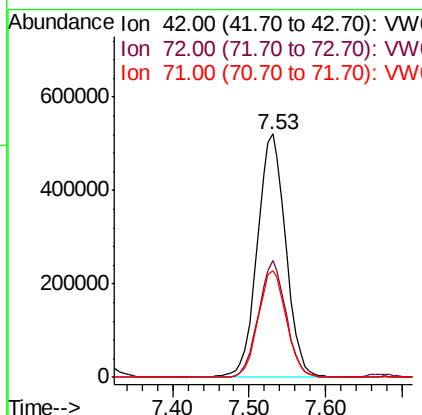
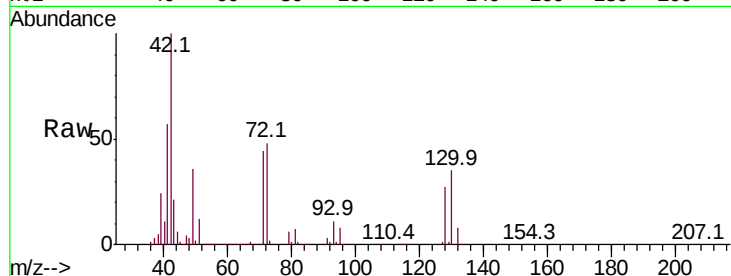
#29
Tetrahydrofuran
Concen: 672.571 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.2	57.2
71	43.3	36.0	54.0

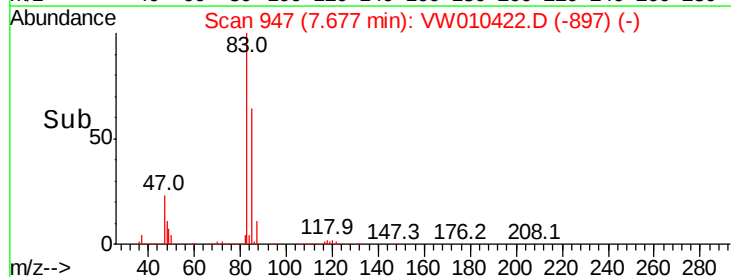
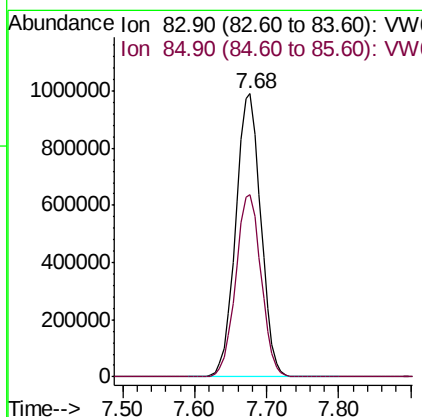
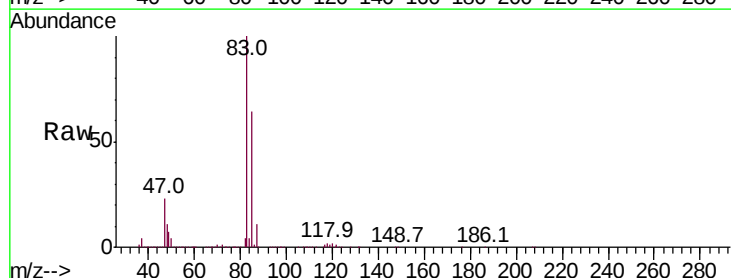
Manual Integrations
APPROVED

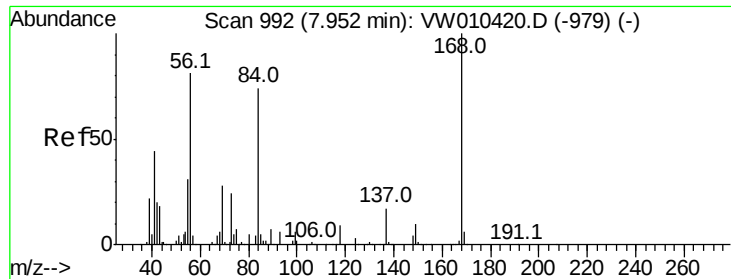
MMDadoda
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#30
Chloroform
Concen: 143.119 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.8	76.2





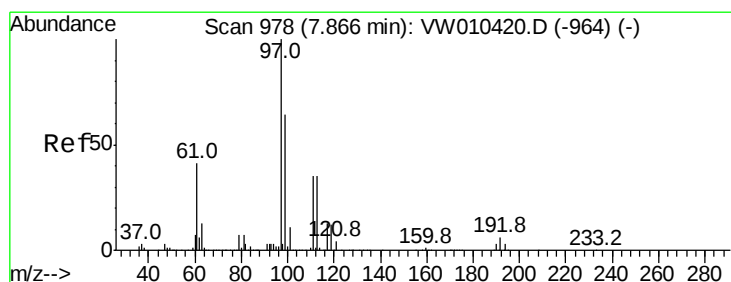
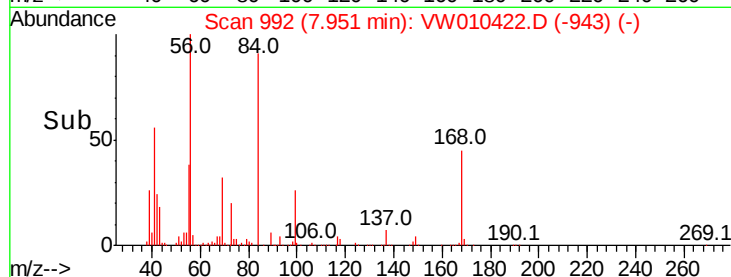
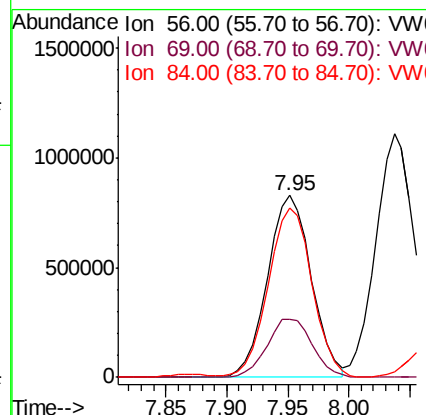
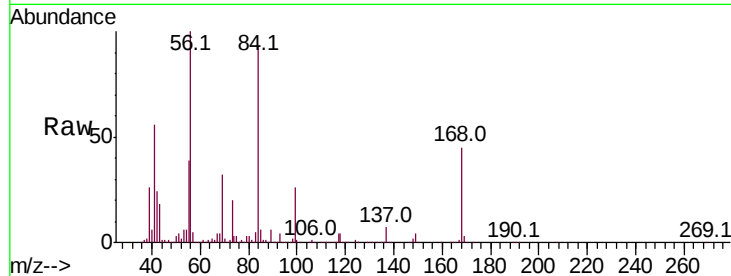
#31
Cyclohexane
Concen: 133.705 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	27.6	41.4
84	91.2	72.9	109.3

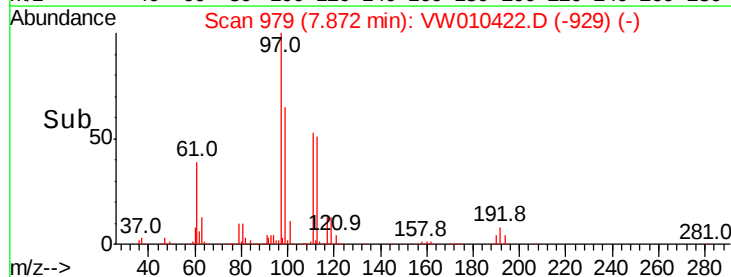
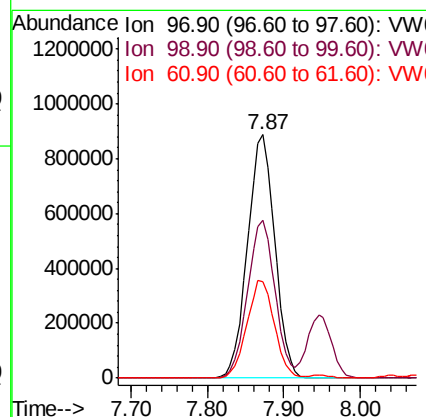
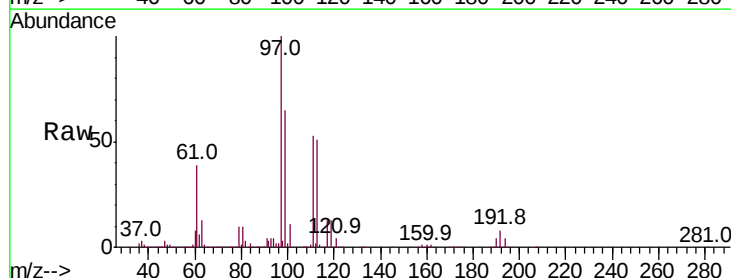
Manual Integrations
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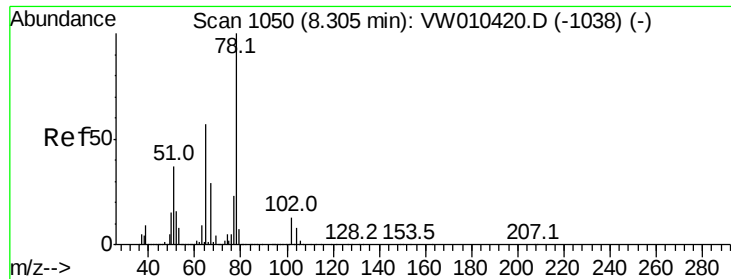
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#32
1,1,1-Trichloroethane
Concen: 163.887 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	40.3	32.0	48.0





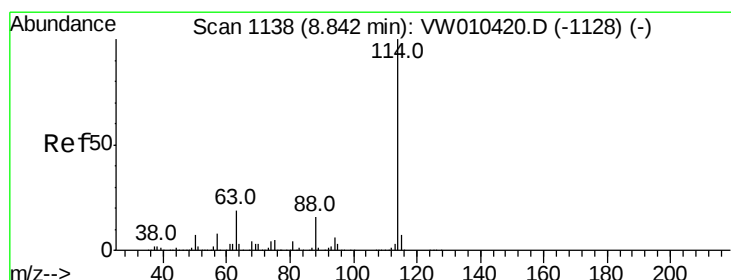
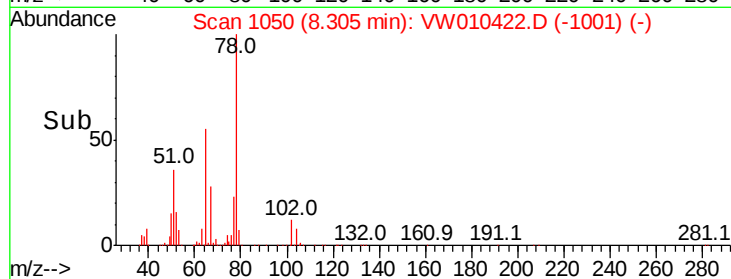
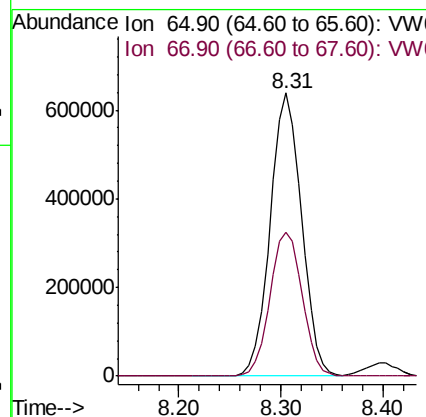
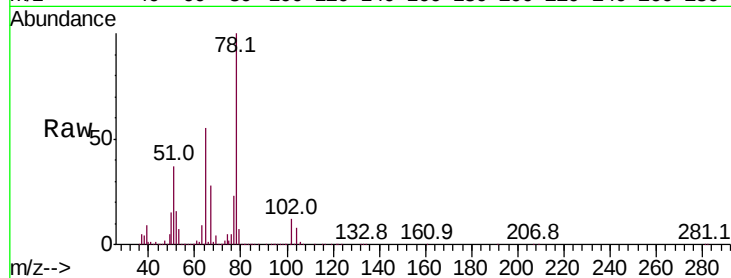
#33
 1,2-Dichloroethane-d4
 Concen: 152.236 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1358672
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.2

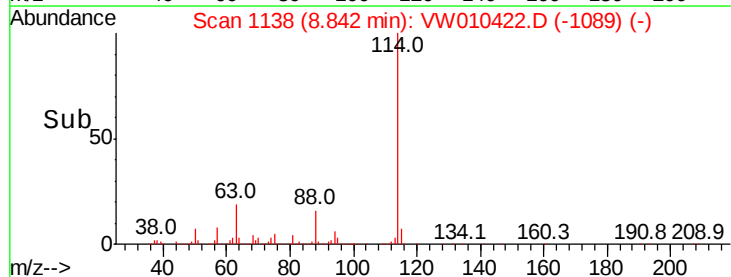
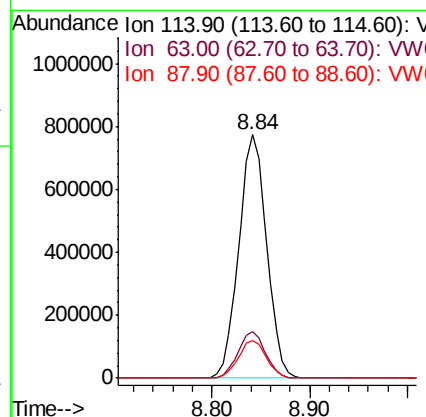
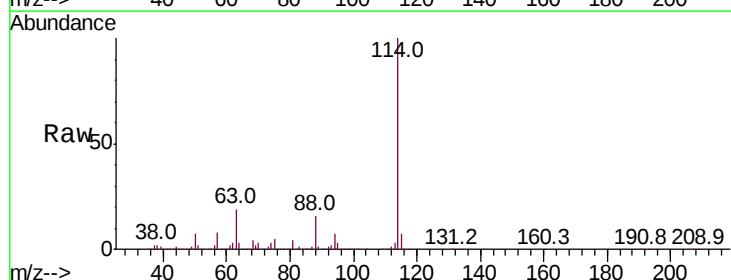
Manual Integrations
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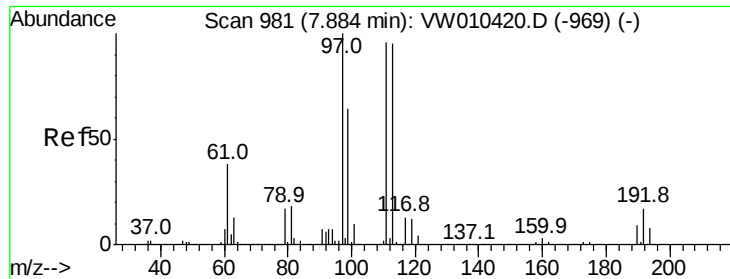
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 114 Resp: 1526877
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 149.169 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 1356778

Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

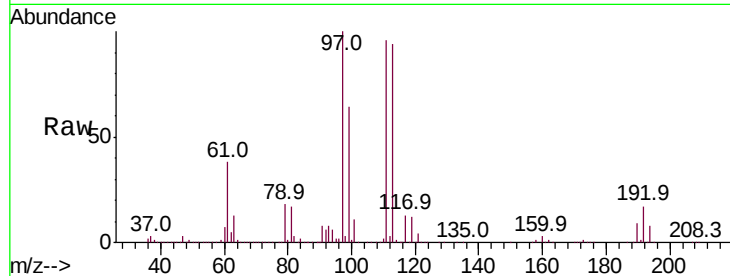
192 18.5 14.2 21.4

Manual Integrations

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MMDadoda

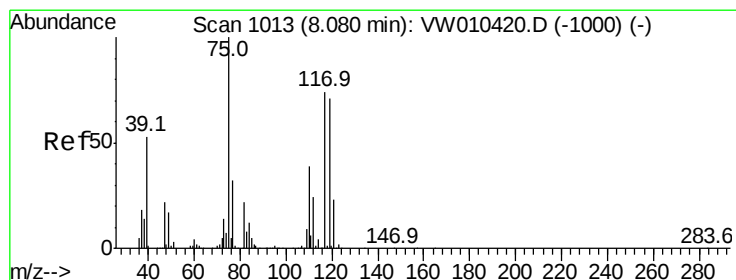
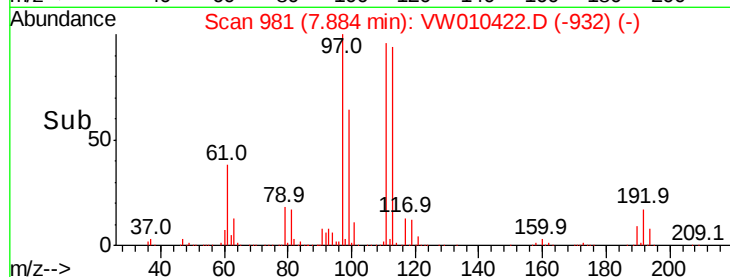
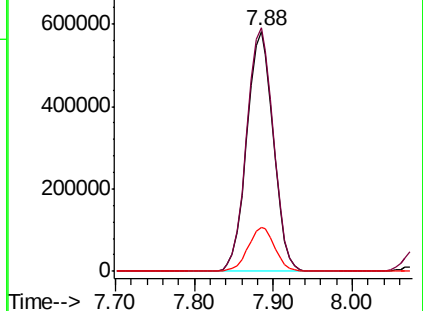
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 137.460 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

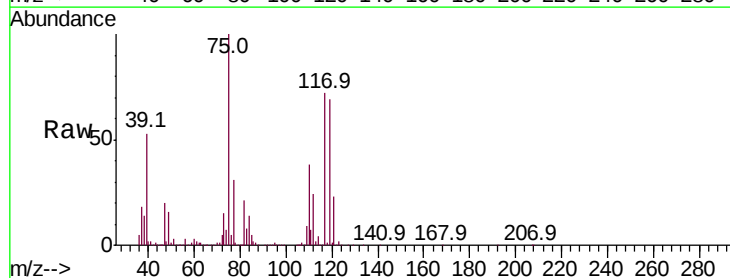
Tgt Ion: 75 Resp: 1806009

Ion Ratio Lower Upper

75 100

110 37.7 19.4 58.1

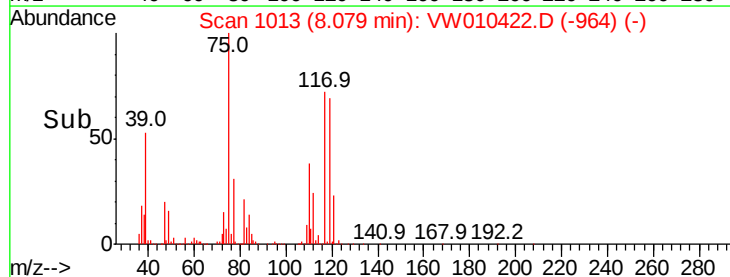
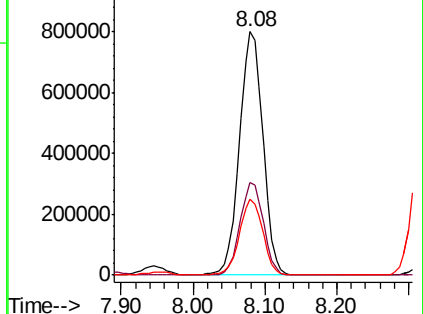
77 31.0 24.7 37.1

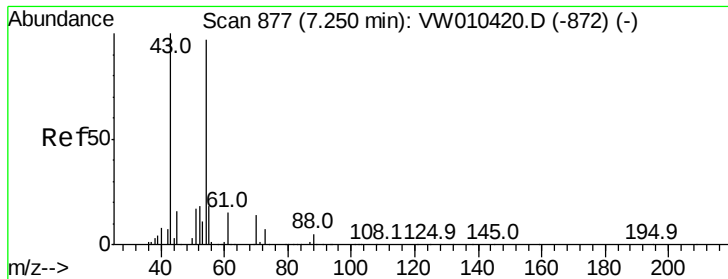


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





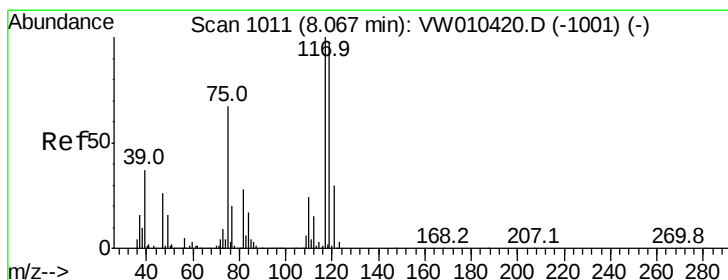
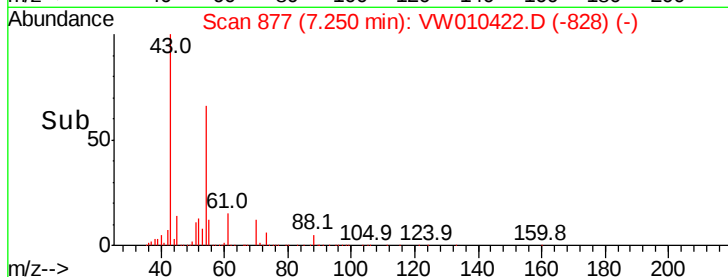
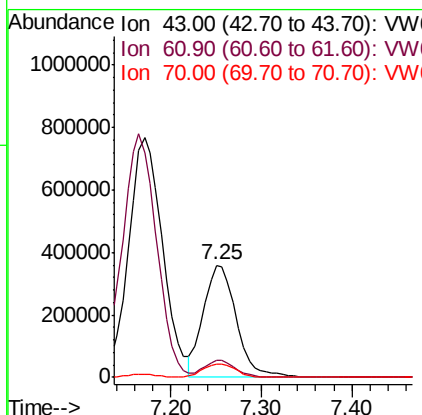
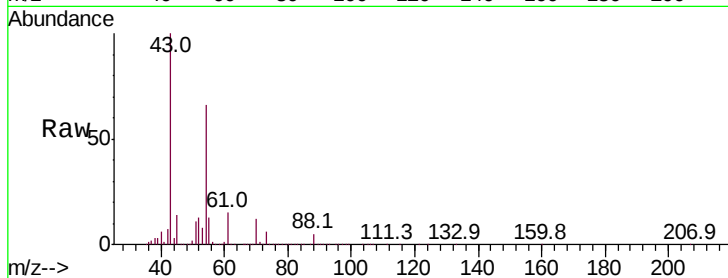
#37
Ethyl Acetate
Concen: 137.539 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	12.3	9.4	14.0

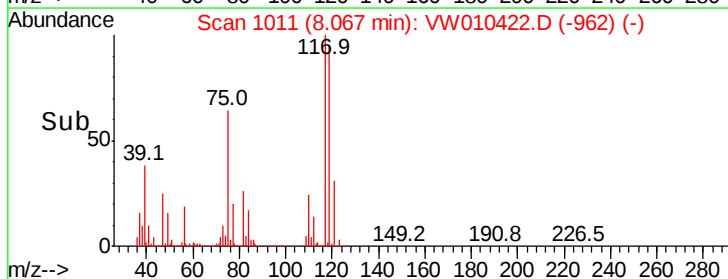
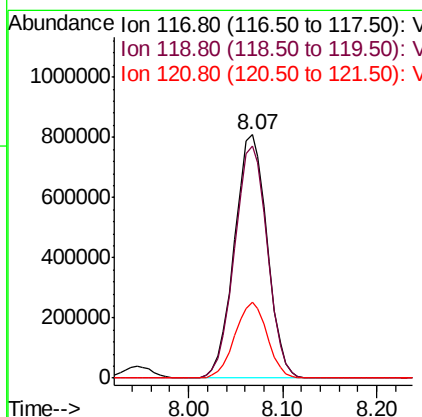
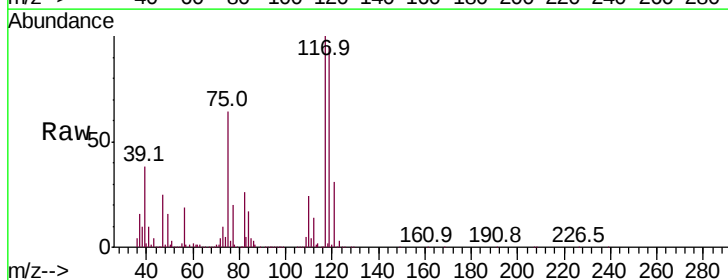
Manual Integrations
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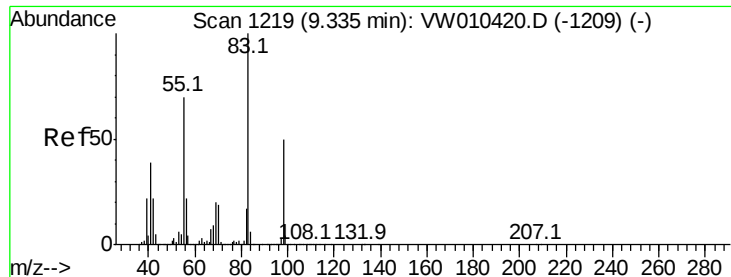
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#38
Carbon Tetrachloride
Concen: 145.534 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
121	31.1	24.2	36.2





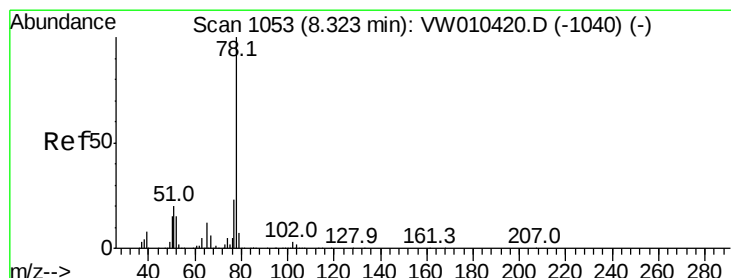
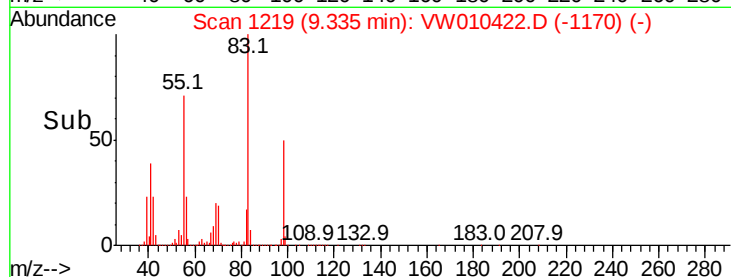
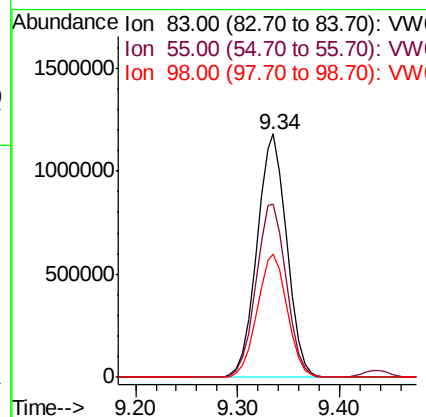
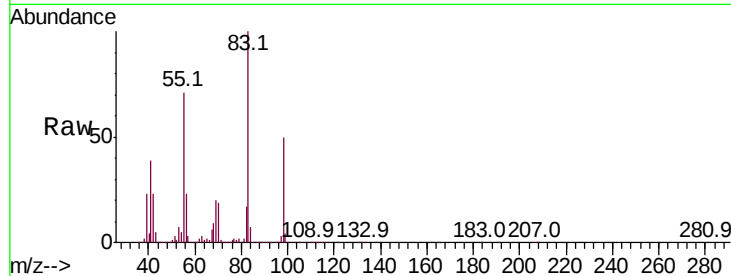
#39
Methvlcvclohexane
Concen: 137.607 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	2394995
Ion	Ratio	Lower	Upper
83	100		
55	71.2	55.7	83.5
98	50.4	40.2	60.4

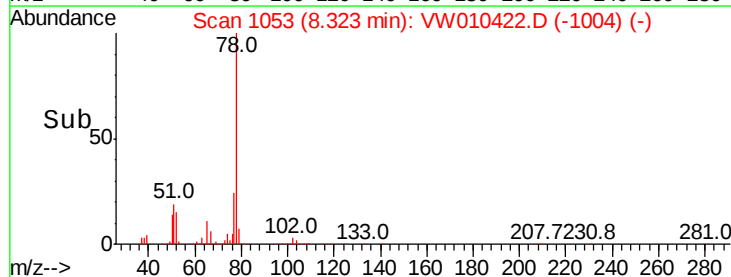
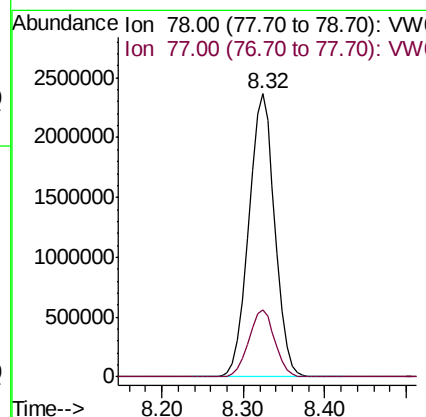
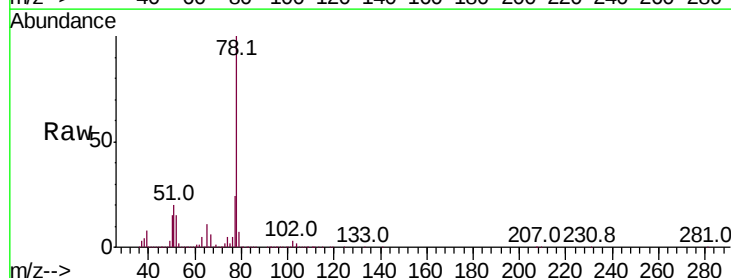
Manual Integrations
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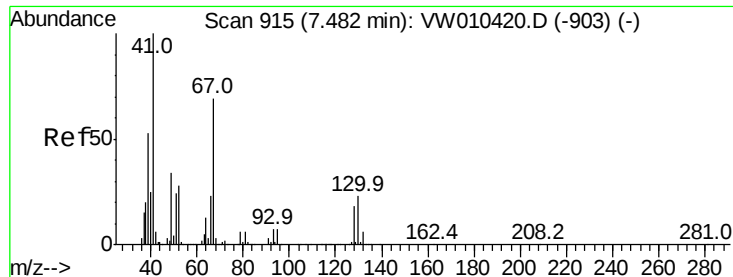
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#40
Benzene
Concen: 136.823 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	78	Resp	5229145
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





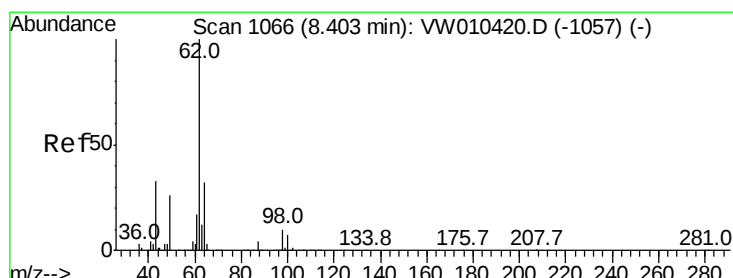
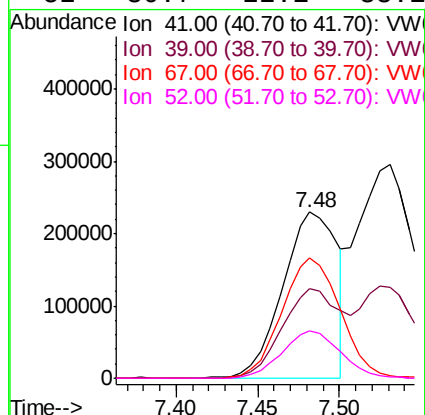
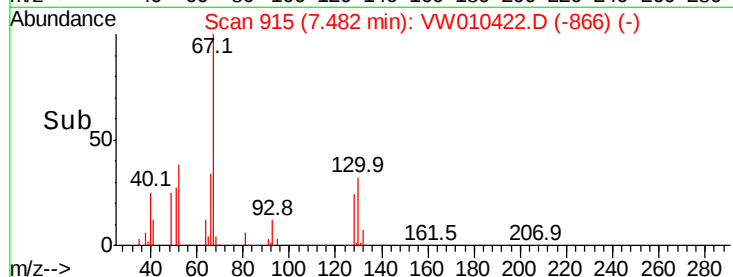
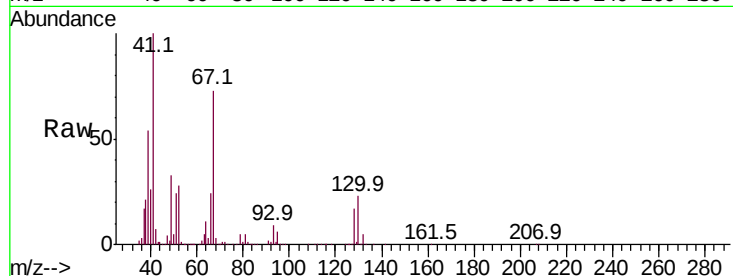
#41
Methacrylonitrile
Concen: 132.299 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.5	38.1	57.1#
67	77.9	55.5	83.3
52	30.7	22.1	33.1

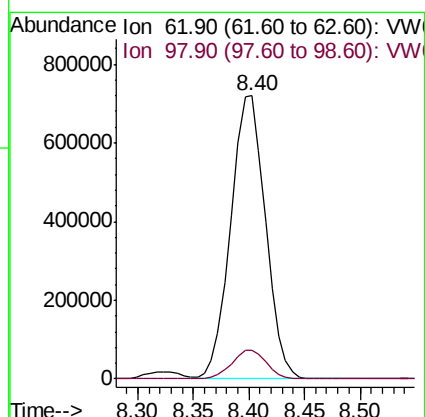
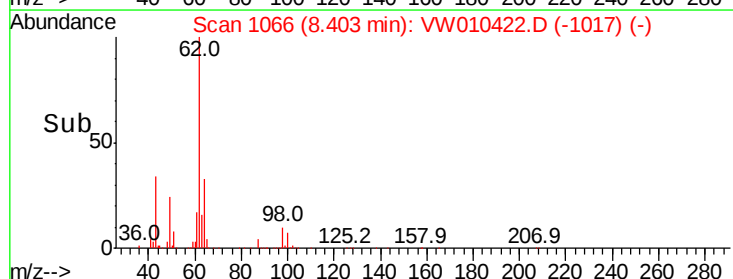
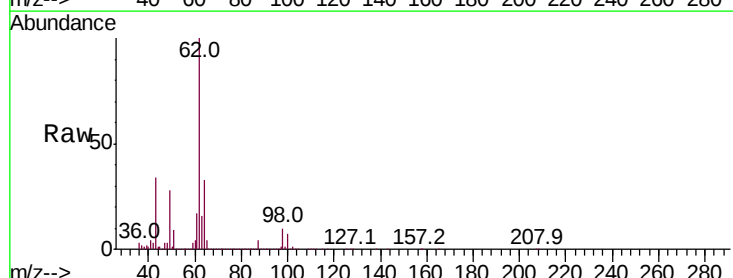
Manual Integrations
APPROVED

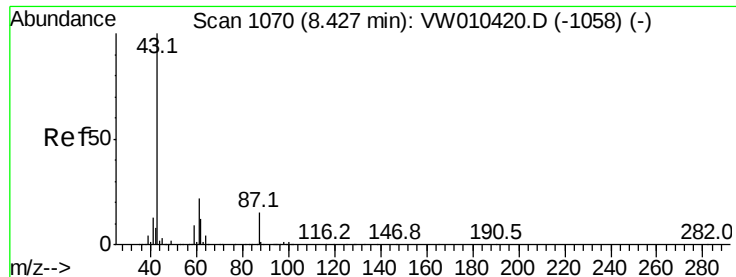
MMDadoda
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#42
1,2-Dichloroethane
Concen: 139.926 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 137.449 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1865510

Ion Ratio Lower Upper

43 100

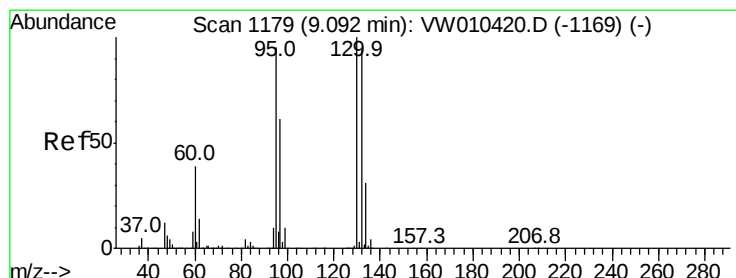
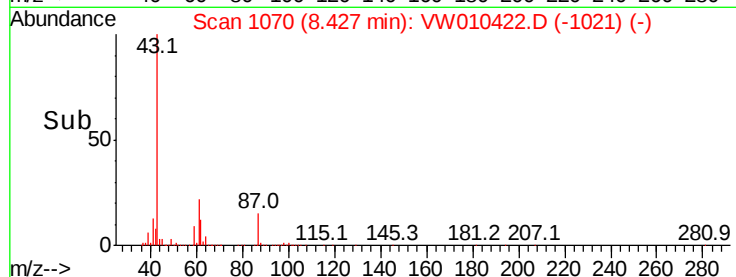
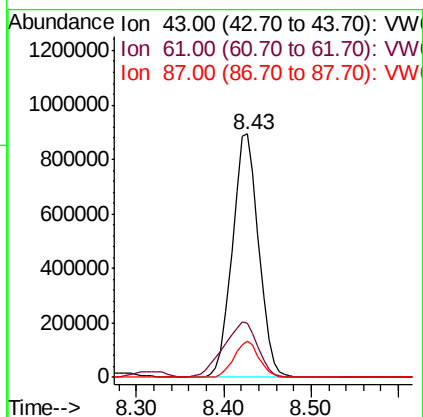
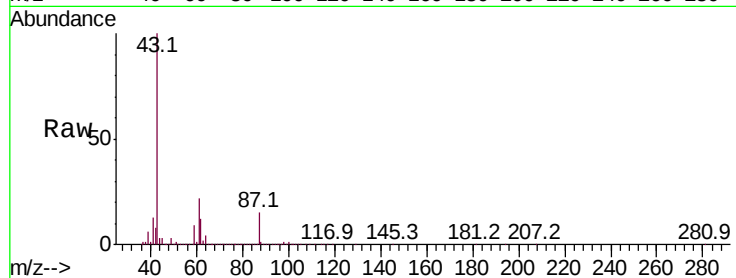
61 29.8 24.4 36.6

87 14.5 11.8 17.8

Manual Integrations
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#44

Trichloroethene

Concen: 139.904 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010422.D

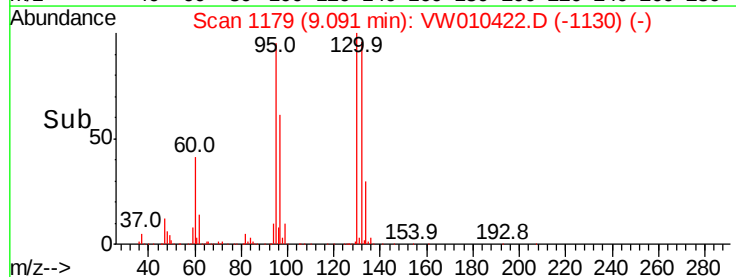
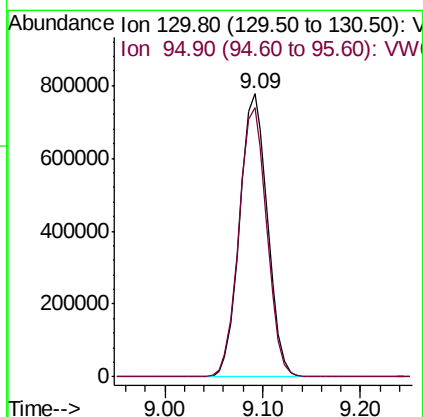
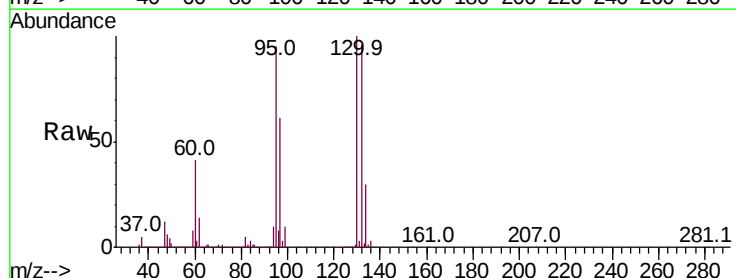
Acq: 17 May 2019 19:16

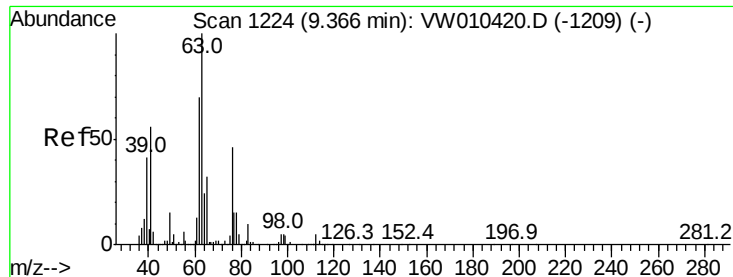
Tgt Ion:130 Resp: 1527061

Ion Ratio Lower Upper

130 100

95 95.2 0.0 190.4





#45

1,2-Dichloropropane

Concen: 136.890 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1297952

Ion Ratio Lower Upper

63 100

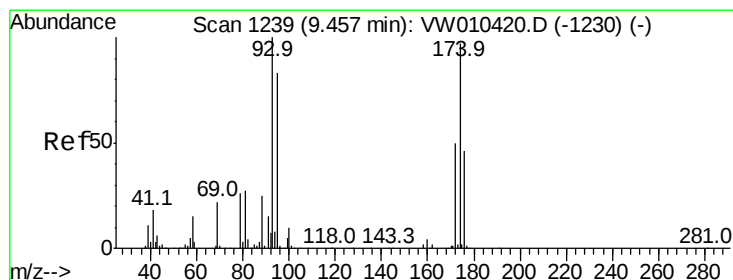
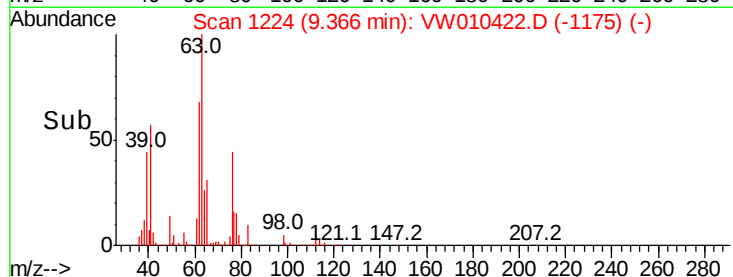
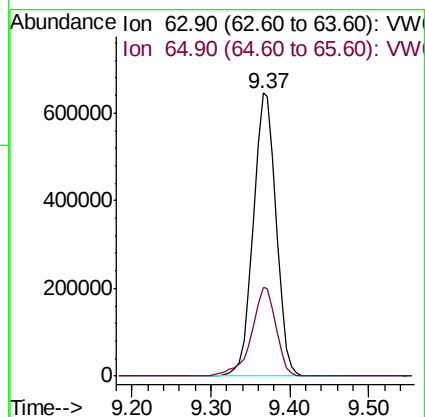
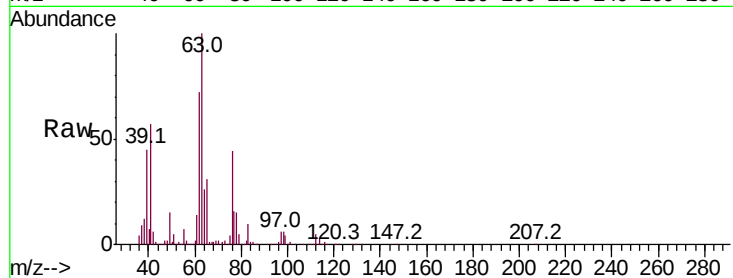
65 31.1 25.4 38.2

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#46

Dibromomethane

Concen: 138.094 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

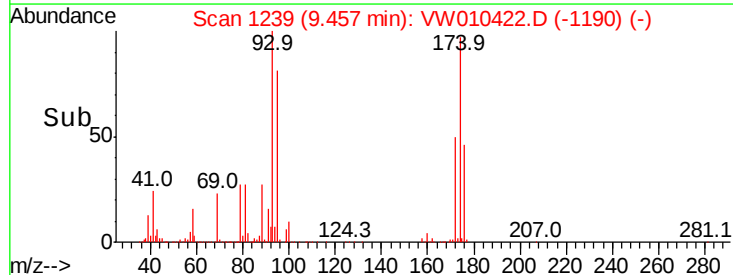
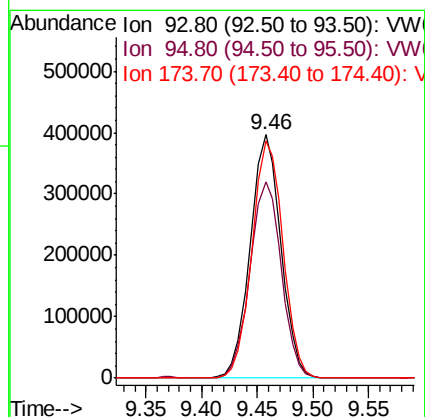
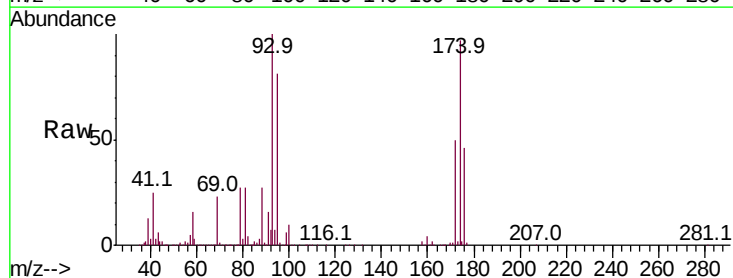
Tgt Ion: 93 Resp: 762424

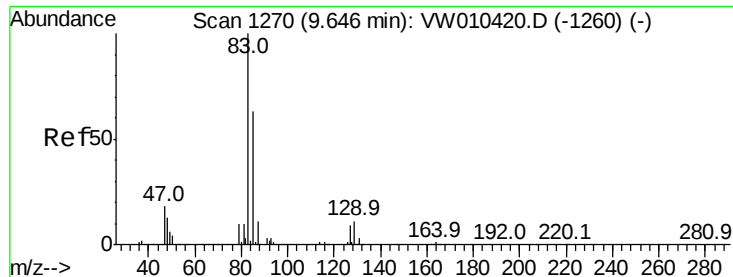
Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

174 98.7 76.4 114.6





#47

Bromodichloromethane

Concen: 142.118 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

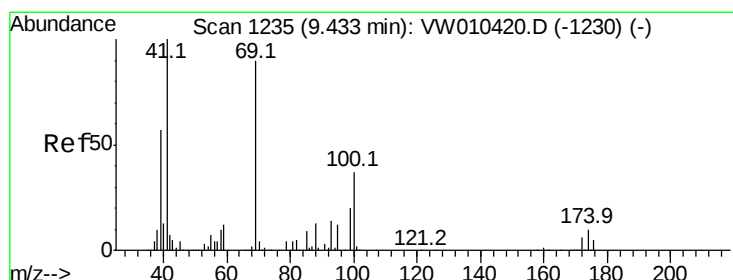
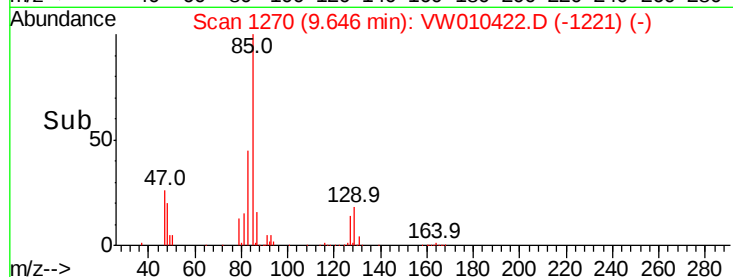
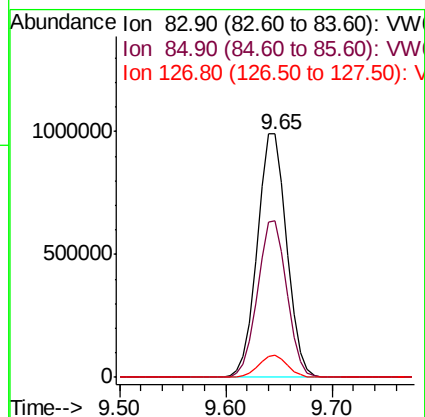
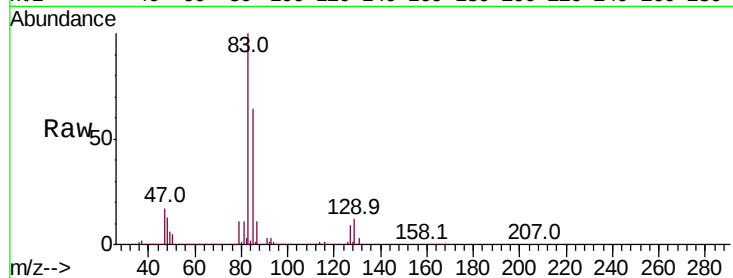
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	1924177
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.0	75.0
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 135.734 ug/l

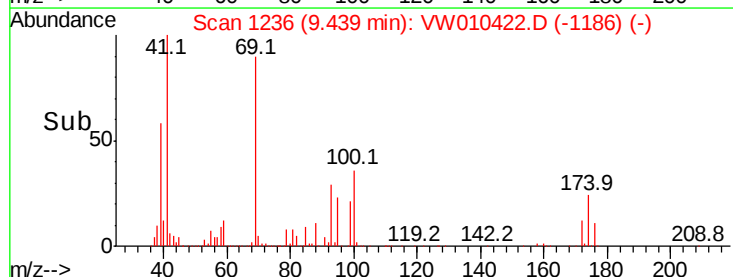
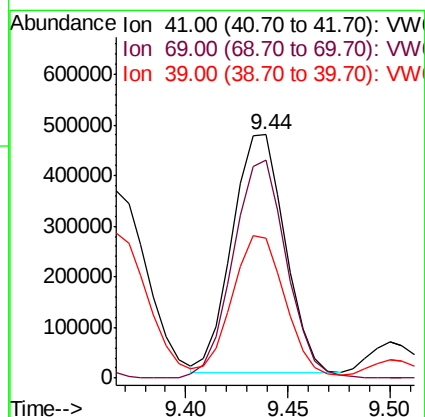
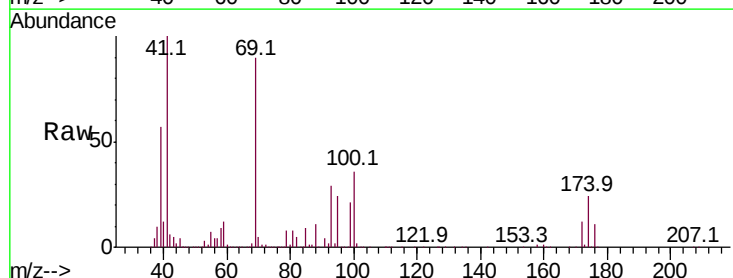
RT: 9.44 min Scan# 1236

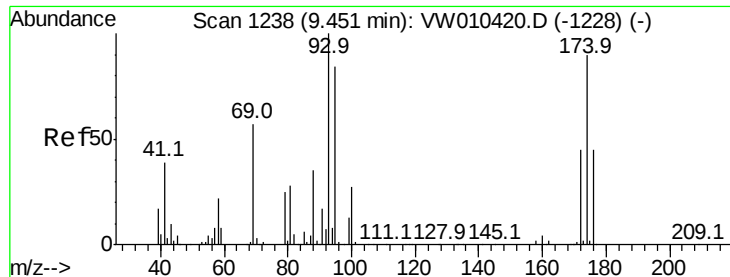
Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion:	41	Resp:	846734
Ion	Ratio	Lower	Upper
41	100		
69	92.7	75.2	112.8
39	60.8	46.8	70.2





#49

1,4-Dioxane

Concen: 2267.773 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 218828

Ion Ratio Lower Upper

88 100

43 28.5 24.9 37.3

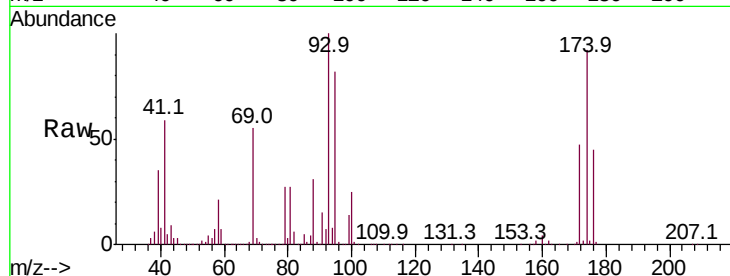
58 68.6 55.0 82.6

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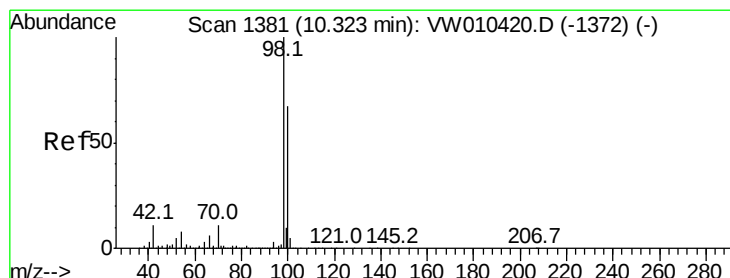
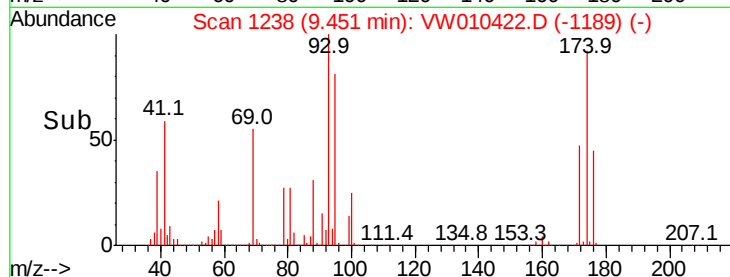
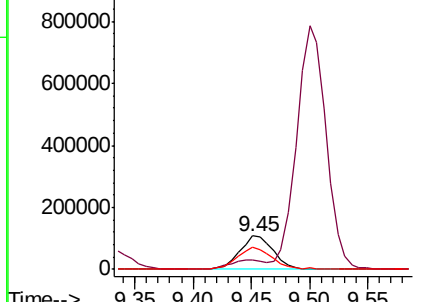
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Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 150.900 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010422.D

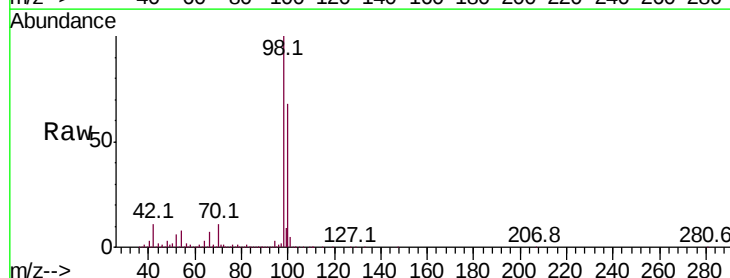
Acq: 17 May 2019 19:16

Tgt Ion: 98 Resp: 5195206

Ion Ratio Lower Upper

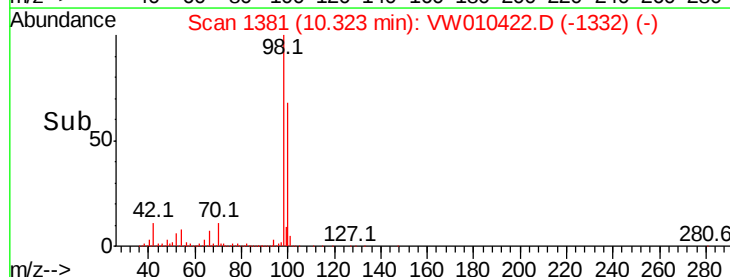
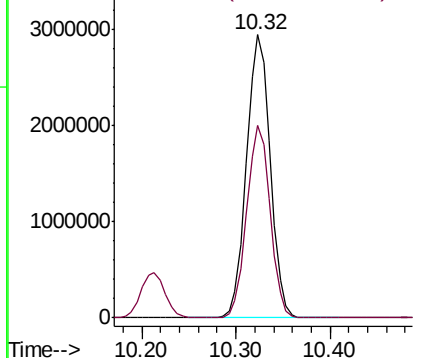
98 100

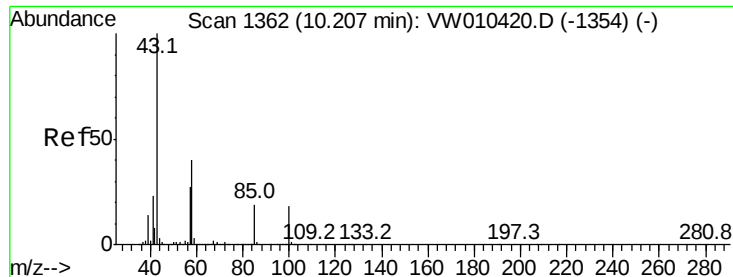
100 67.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 679.769 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4776282

Ion Ratio Lower Upper

43 100

58 40.4

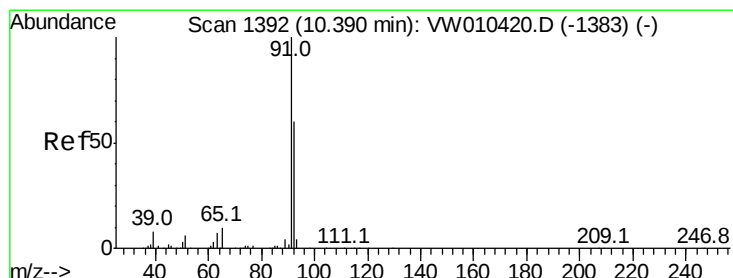
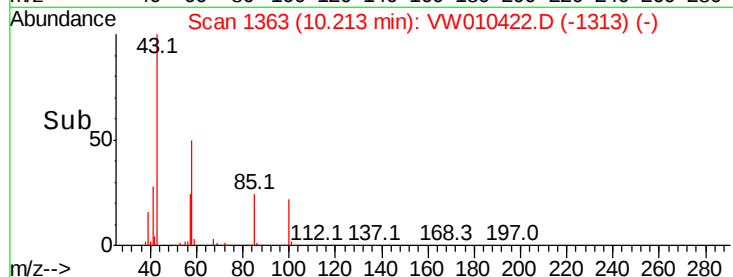
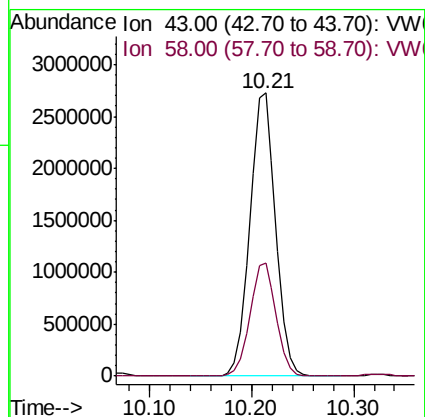
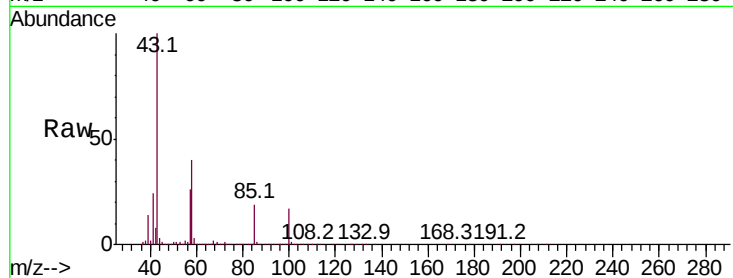
32.7

49.1

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#52

Toluene

Concen: 138.115 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion: 92 Resp: 3517743

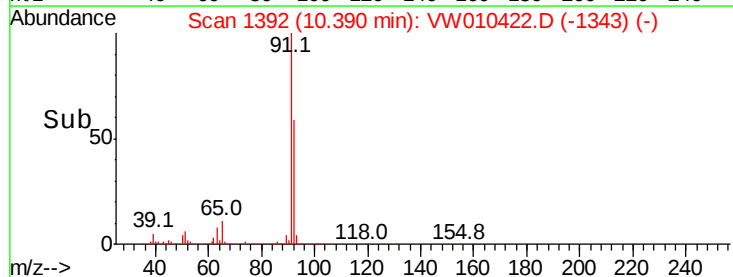
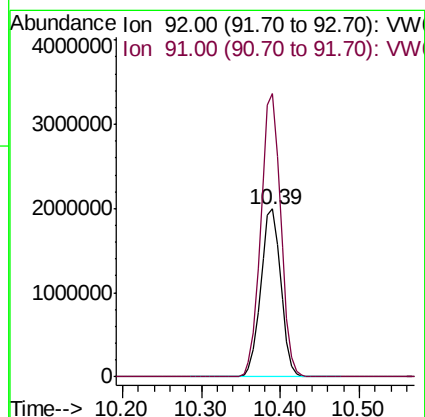
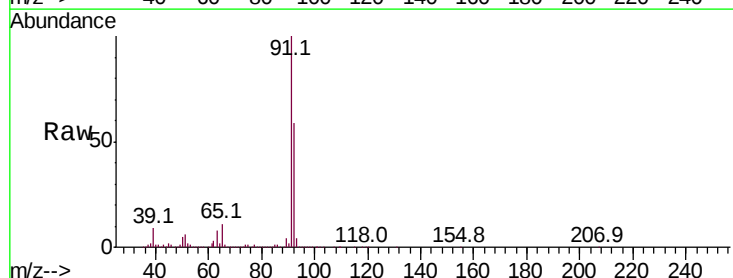
Ion Ratio Lower Upper

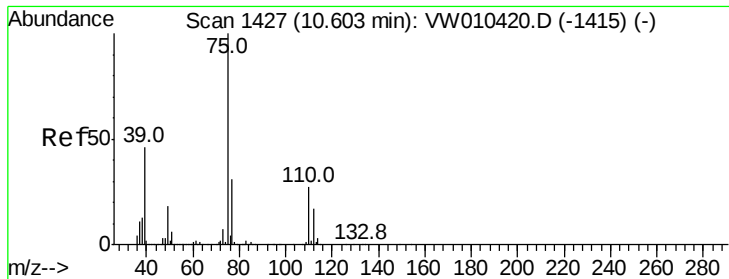
92 100

91 168.0

135.4

203.0





#53

t-1,3-Dichloropropene

Concen: 138.278 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1972058

Ion Ratio Lower Upper

75 100

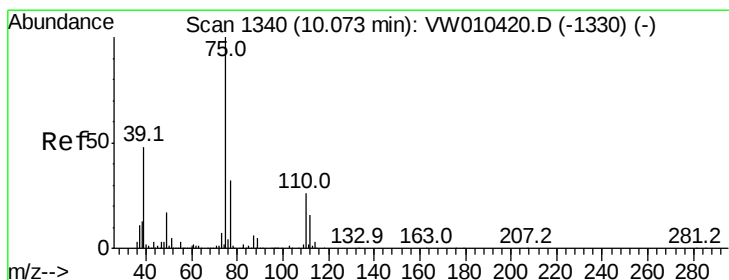
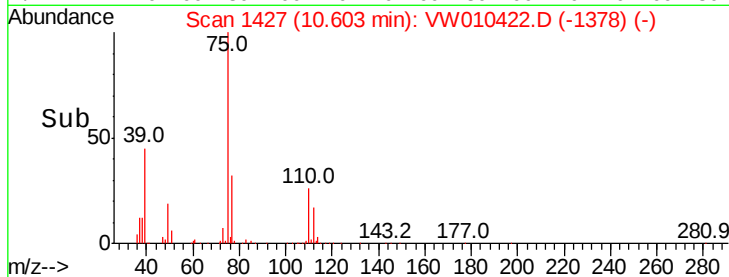
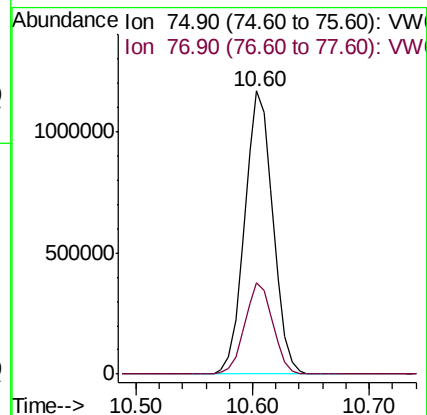
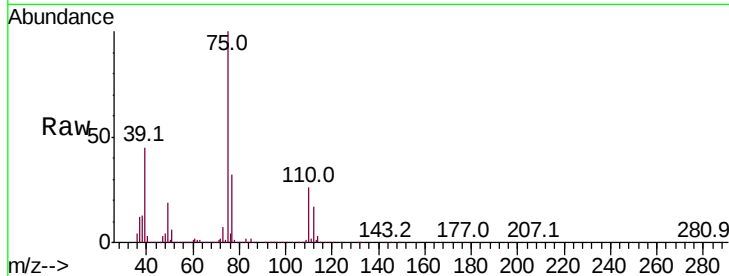
77 32.3 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 137.947 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

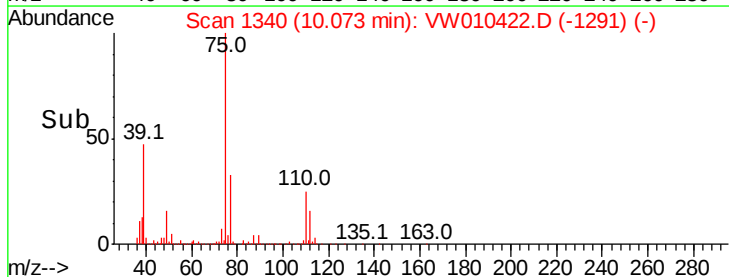
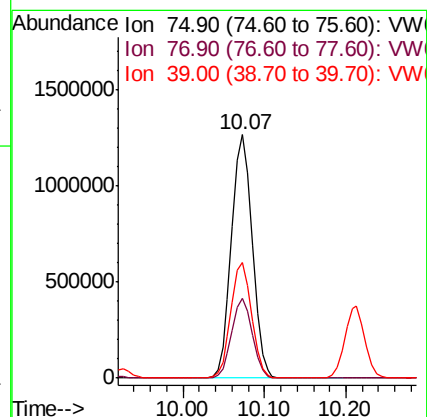
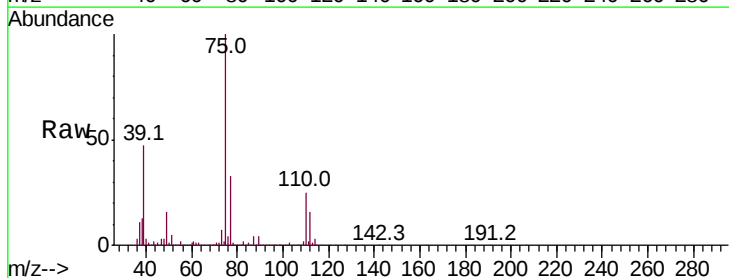
Tgt Ion: 75 Resp: 2224185

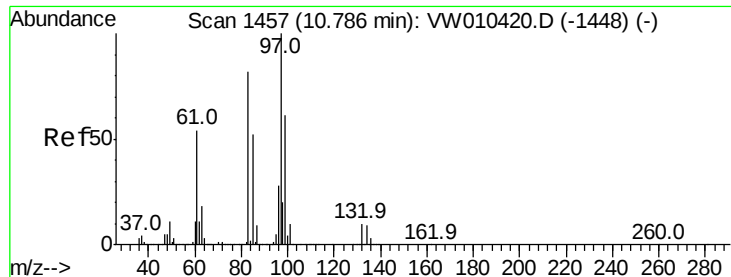
Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

39 47.3 38.1 57.1





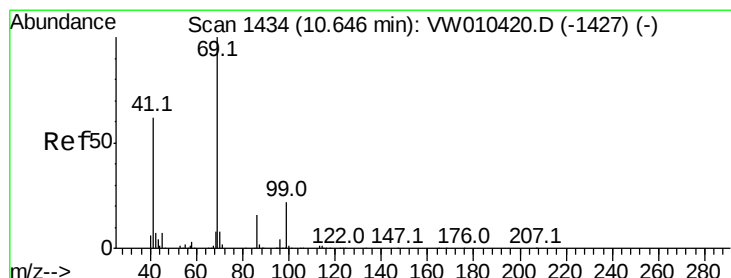
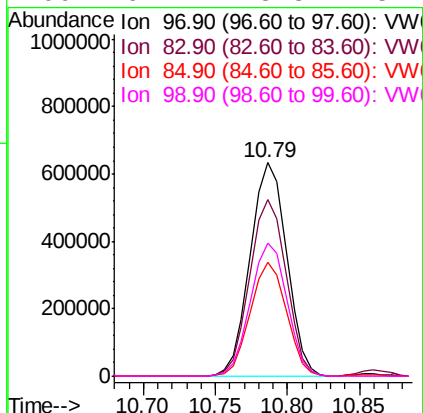
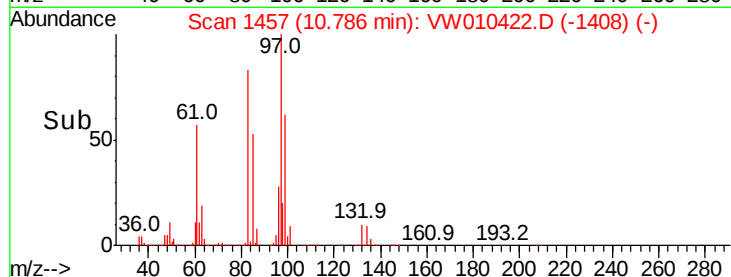
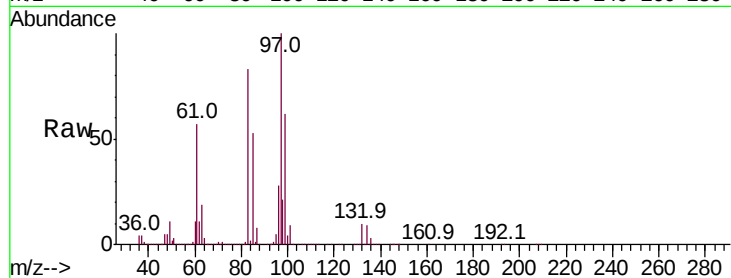
#55
 1,1,2-Trichloroethane
 Concen: 139.281 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.9	65.6	98.4	
85	53.3	41.6	62.4	
99	62.1	48.8	73.2	

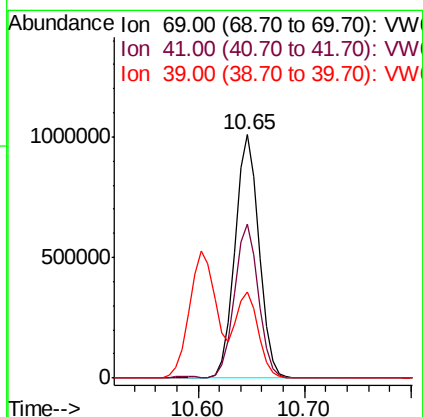
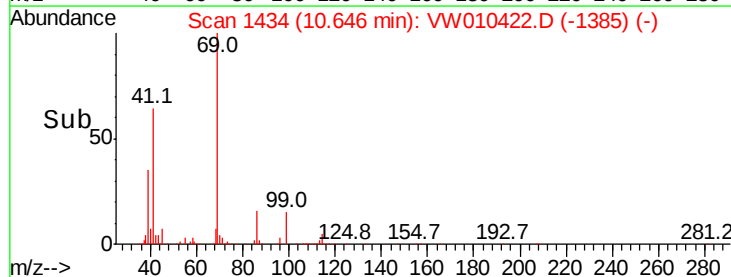
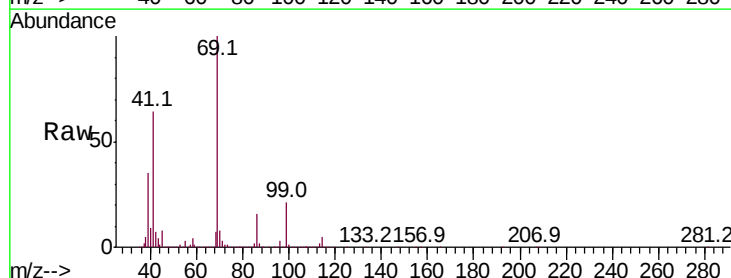
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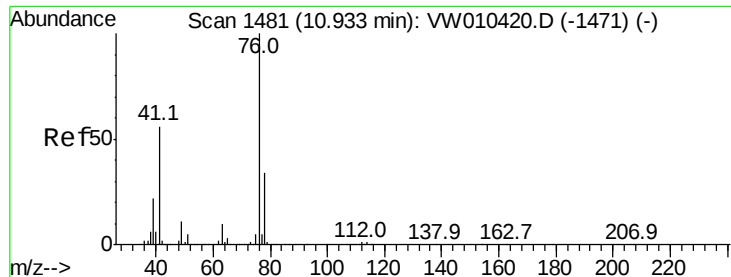
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#56
 Ethyl methacrylate
 Concen: 141.013 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.7	50.0	75.0	
39	33.0	26.5	39.7	





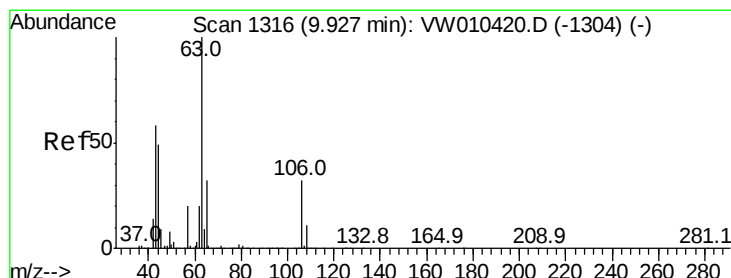
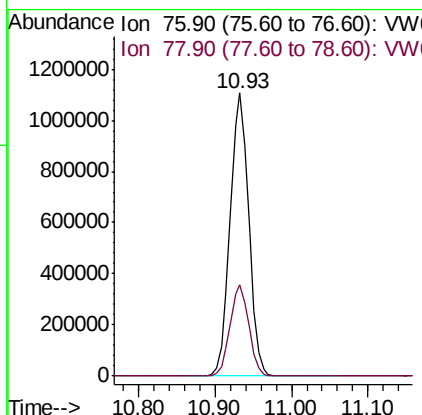
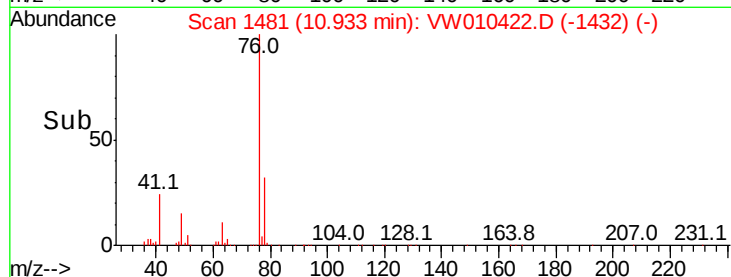
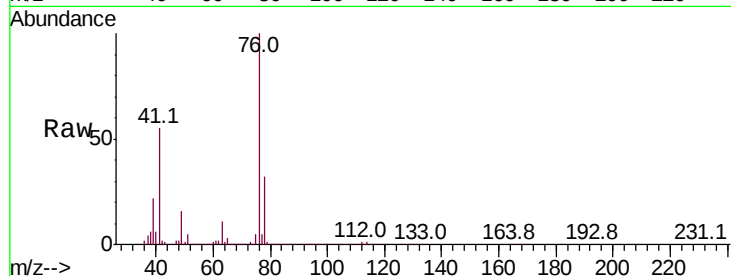
#57
 1,3-Dichloropropane
 Concen: 139.215 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1858999
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

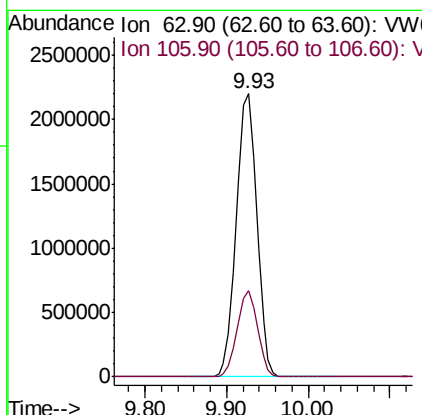
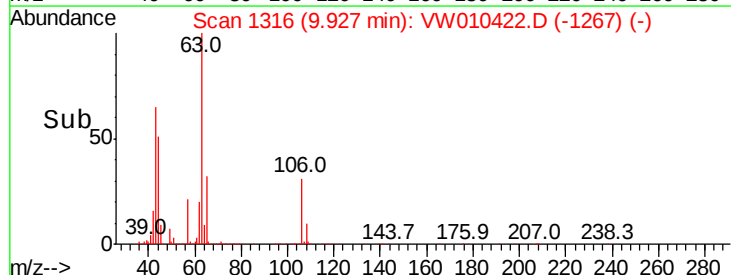
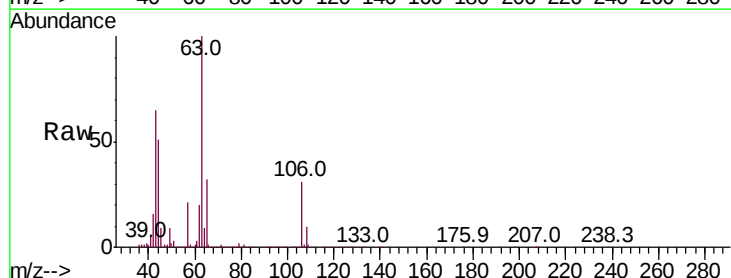
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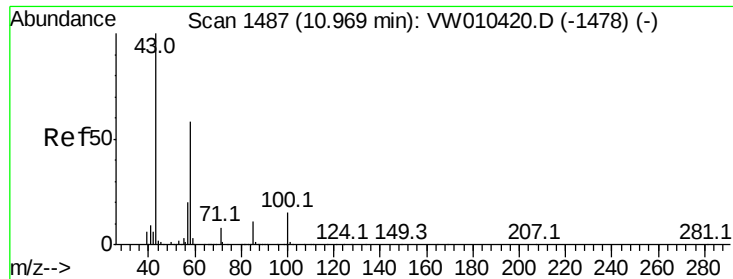
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#58
 2-Chloroethyl Vinyl ether
 Concen: 765.795 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 63 Resp: 3804857
 Ion Ratio Lower Upper
 63 100
 106 30.5 25.2 37.8





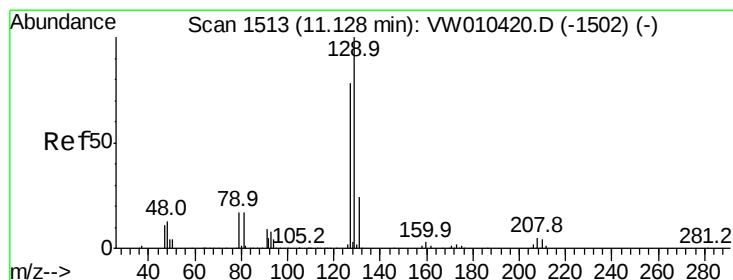
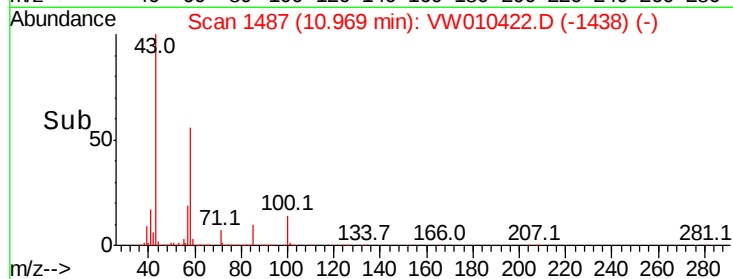
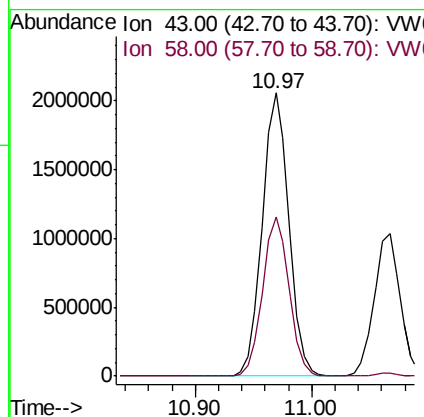
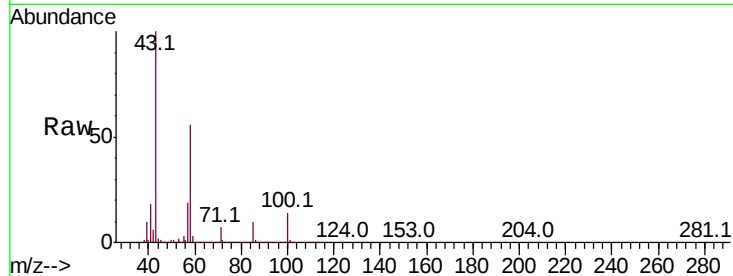
#59
2-Hexanone
Concen: 659.633 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 3269125
Ion Ratio Lower Upper
43 100
58 56.1 28.5 85.6

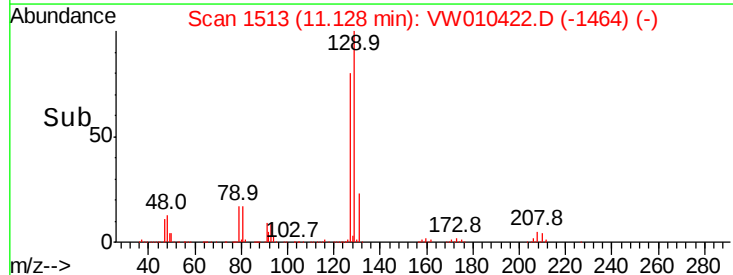
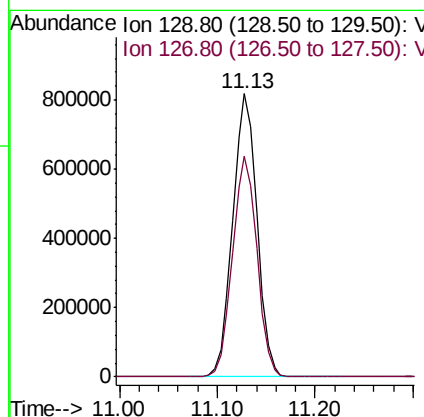
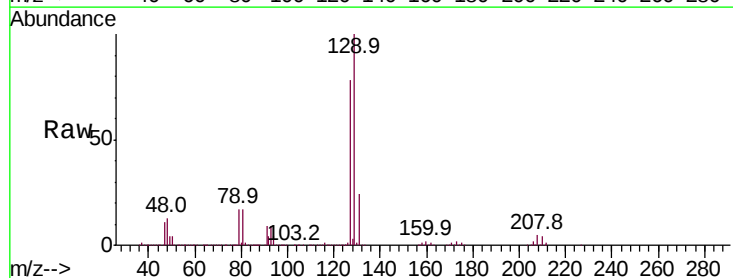
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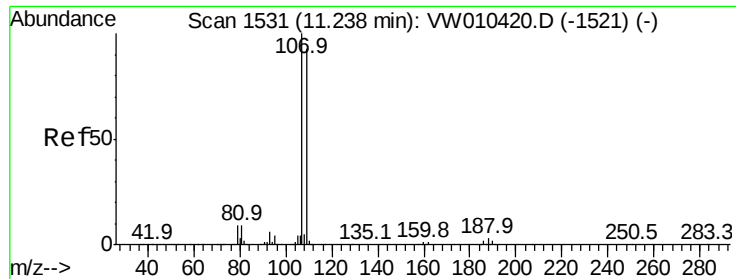
MMDadoda
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#60
Dibromochloromethane
Concen: 141.575 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 129 Resp: 1411793
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





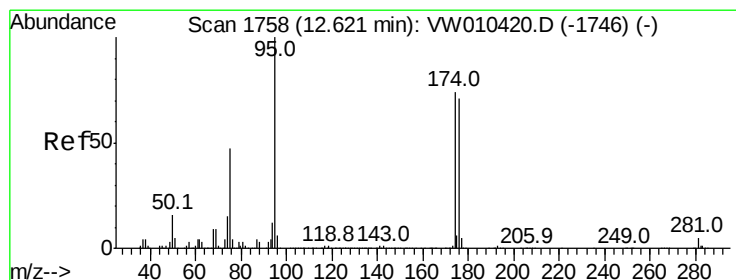
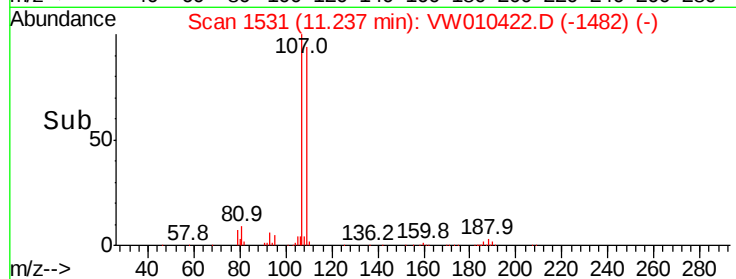
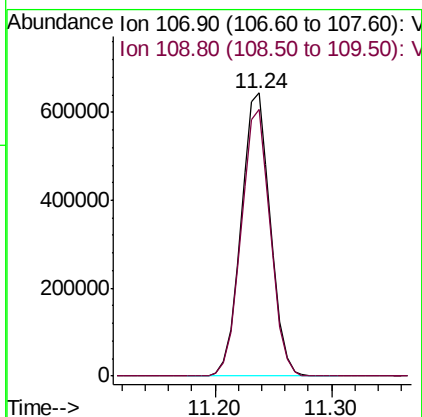
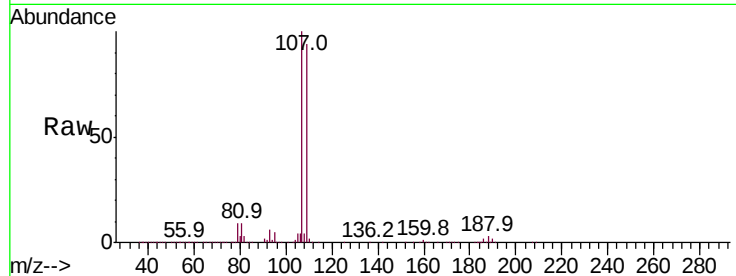
#61
 1,2-Dibromoethane
 Concen: 139.428 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.8	112.2

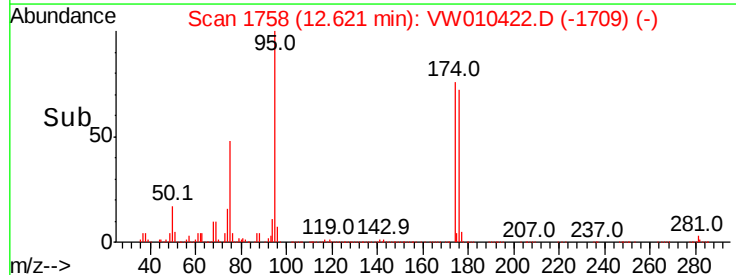
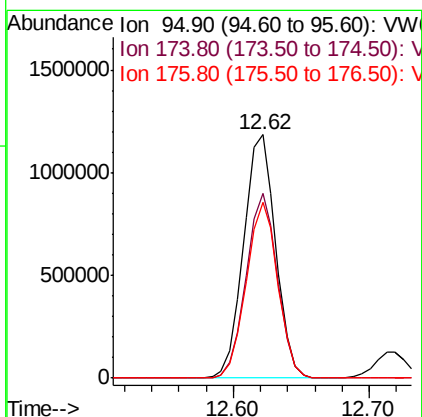
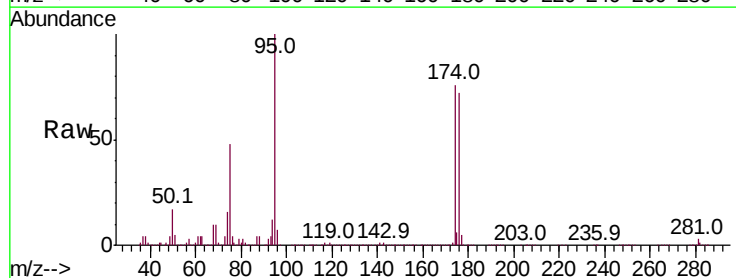
Manual Integrations
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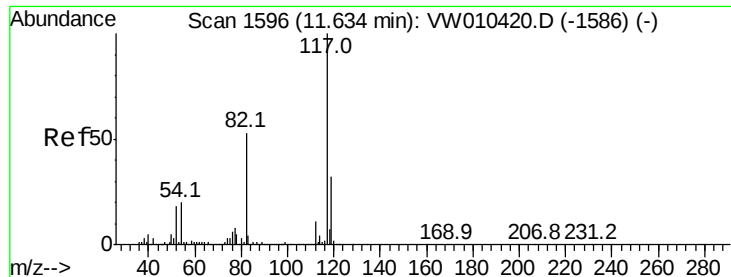
MMDadoda
 5/20/2019 12:16:14 PM



#62
 4-Bromofluorobenzene
 Concen: 143.746 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	71.2	0.0	141.4





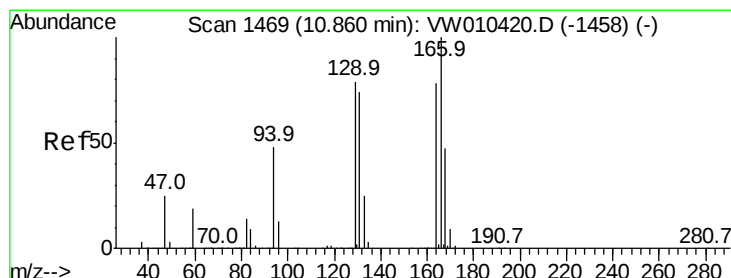
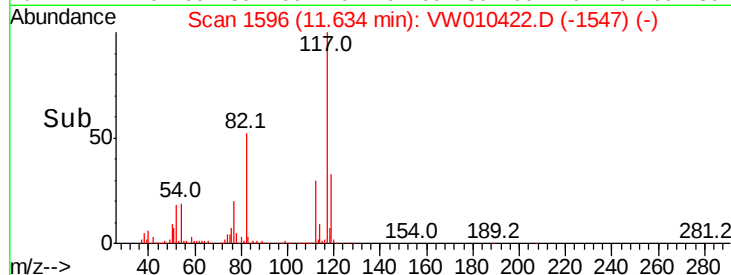
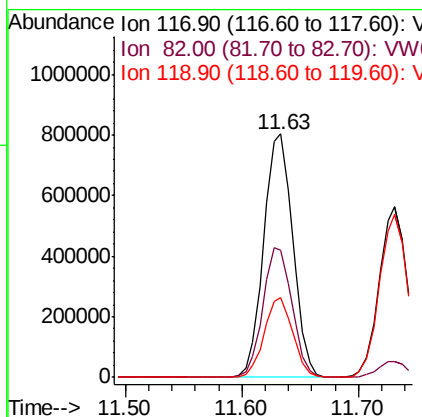
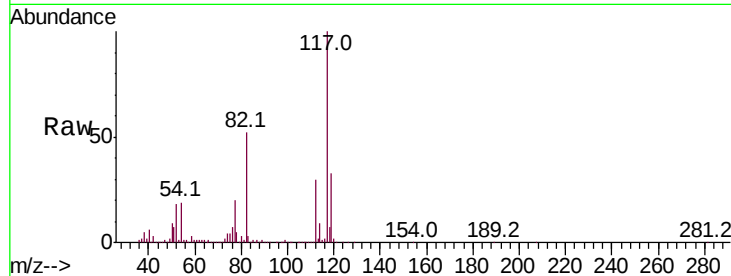
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1385276
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.8 25.6 38.4

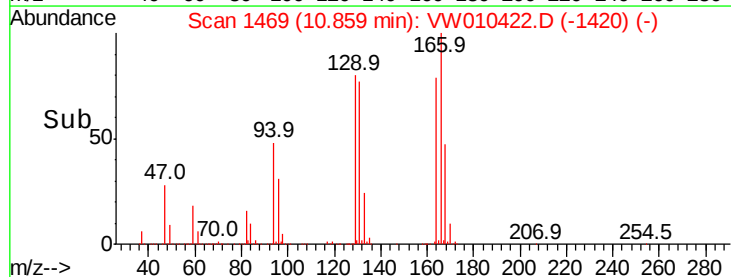
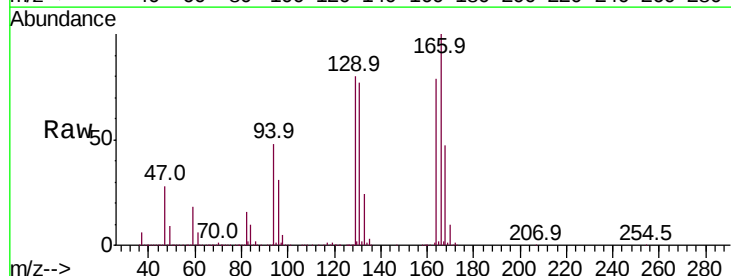
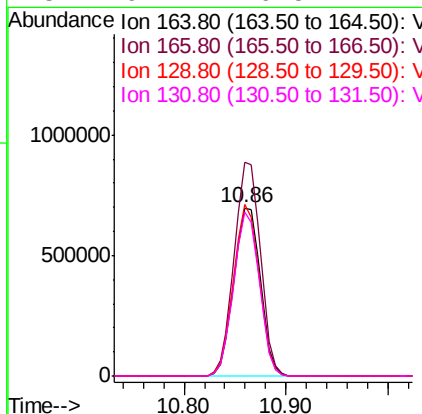
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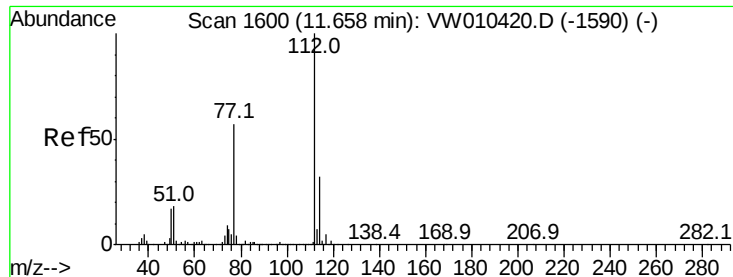
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#64
Tetrachloroethene
Concen: 136.510 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:164 Resp: 1249984
Ion Ratio Lower Upper
164 100
166 127.1 103.2 154.8
129 101.8 81.6 122.4
131 97.7 76.5 114.7





#65

Chlorobenzene

Concen: 139.186 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 3825840

Ion Ratio Lower Upper

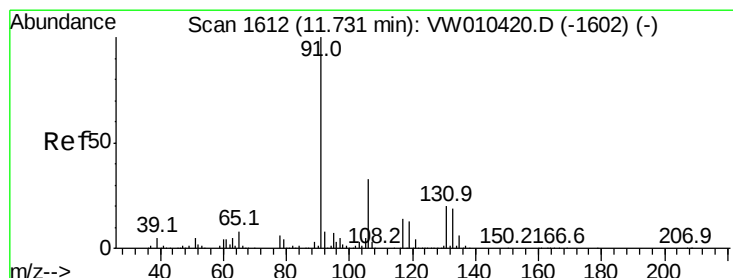
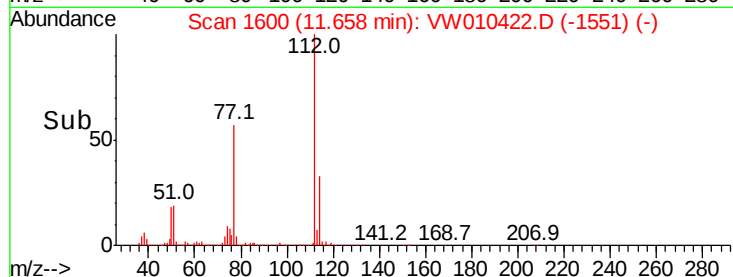
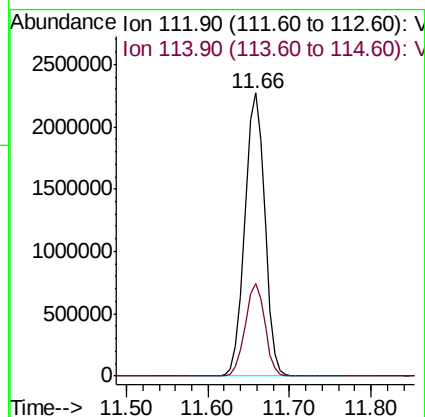
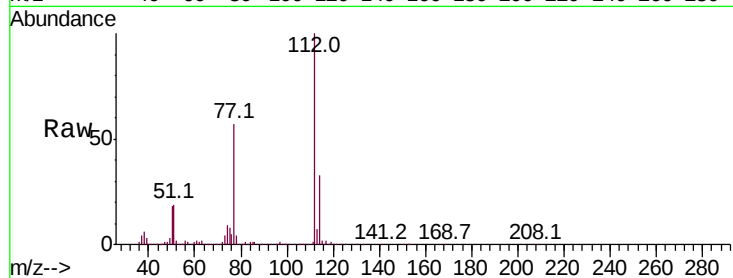
112 100

114 32.6 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 138.838 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

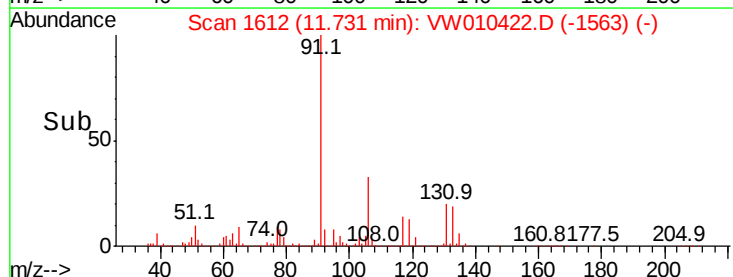
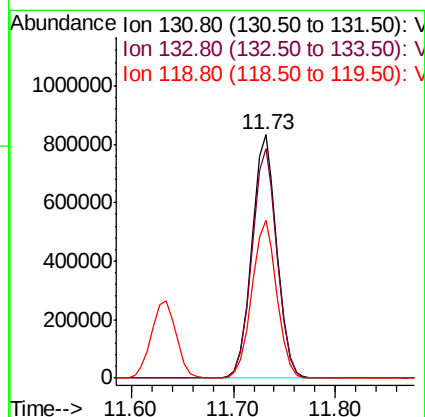
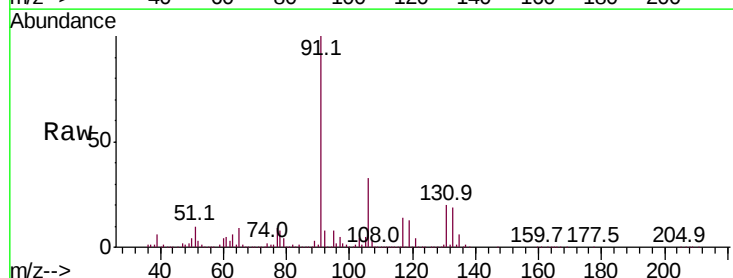
Tgt Ion:131 Resp: 1413197

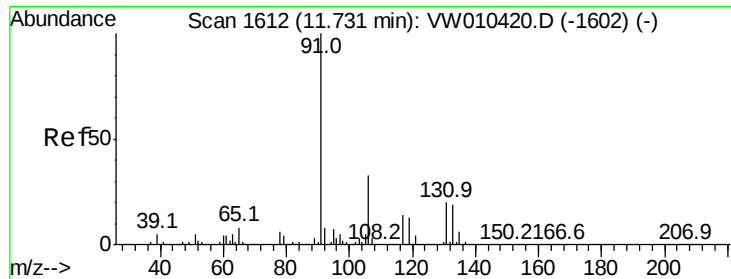
Ion Ratio Lower Upper

131 100

133 95.1 48.3 144.8

119 65.0 32.4 97.0





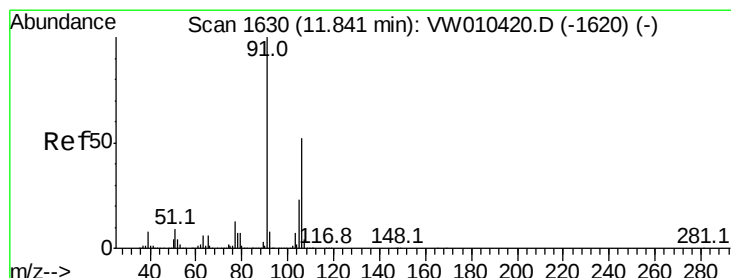
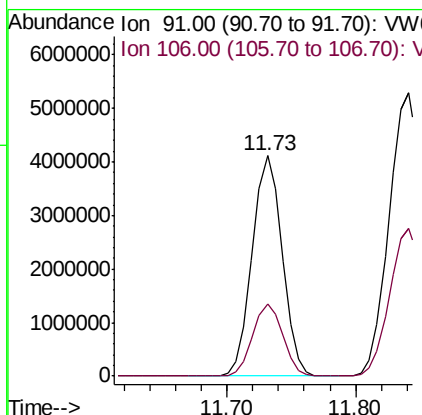
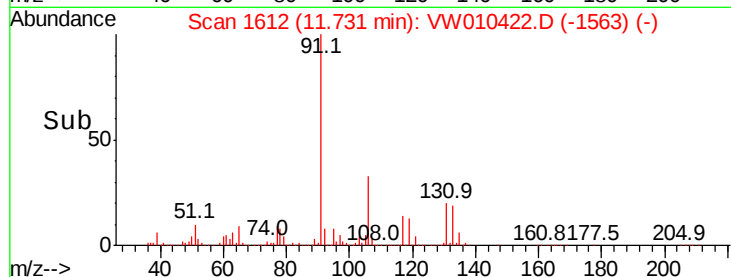
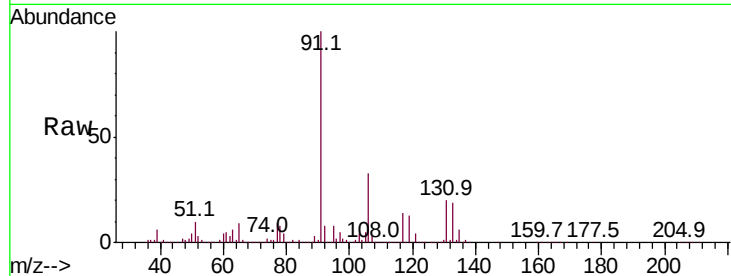
#67
Ethyl Benzene
Concen: 135.504 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 6614657
Ion Ratio Lower Upper
91 100
106 32.9 26.5 39.7

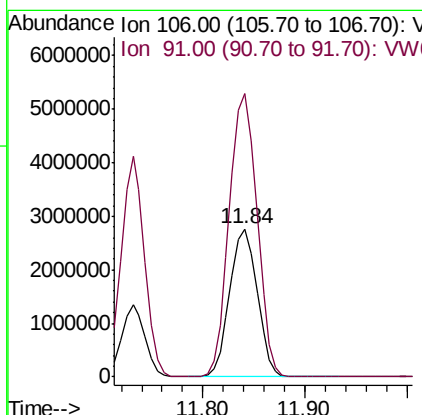
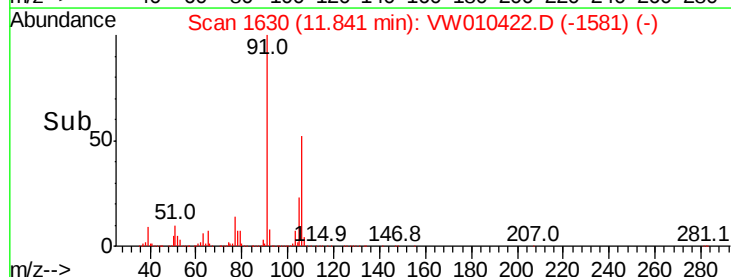
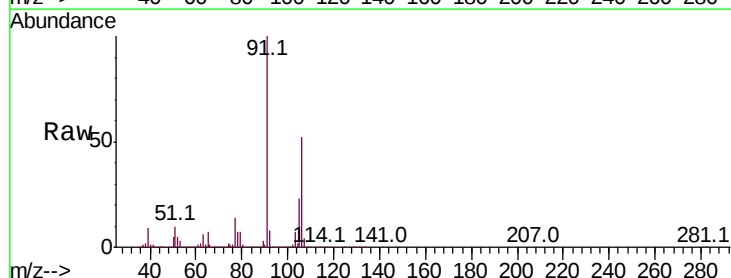
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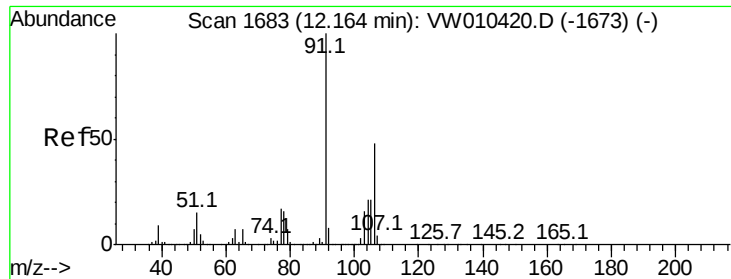
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#68
m/p-Xylenes
Concen: 271.013 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:106 Resp: 5176541
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.2





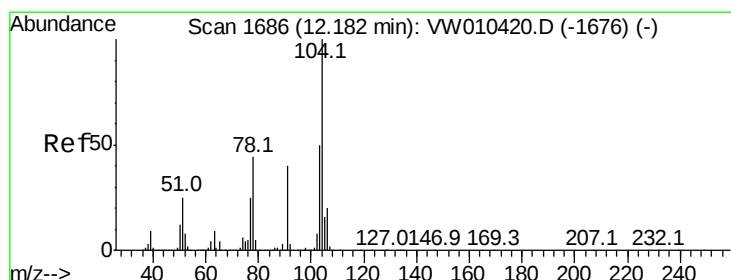
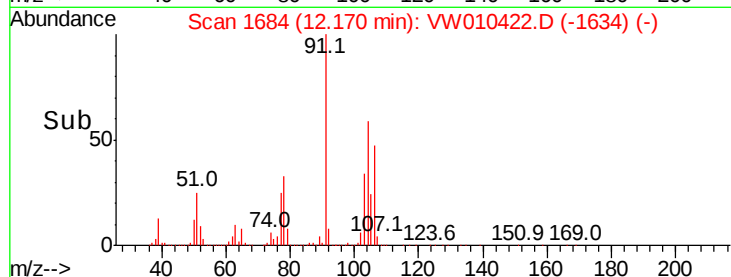
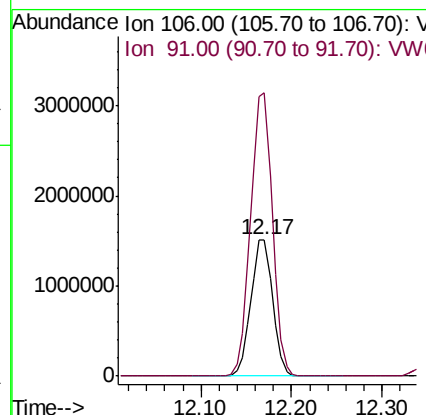
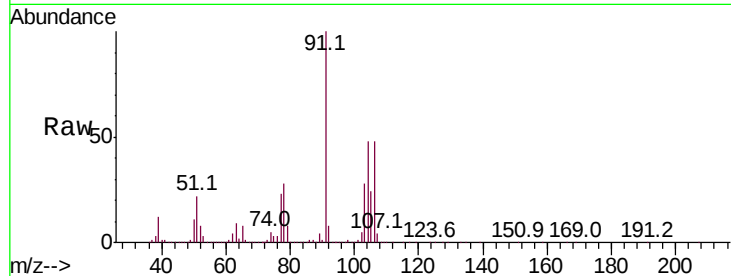
#69
o-Xylene
Concen: 136.896 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2520157
Ion Ratio Lower Upper
106 100
91 207.6 102.5 307.5

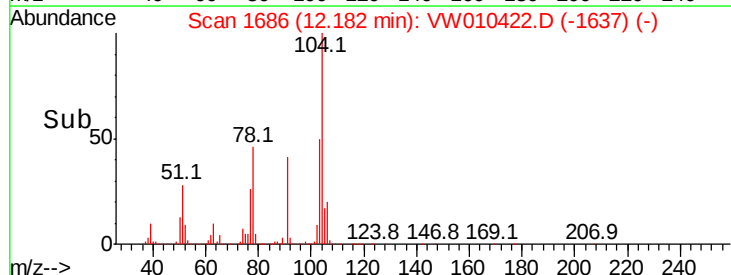
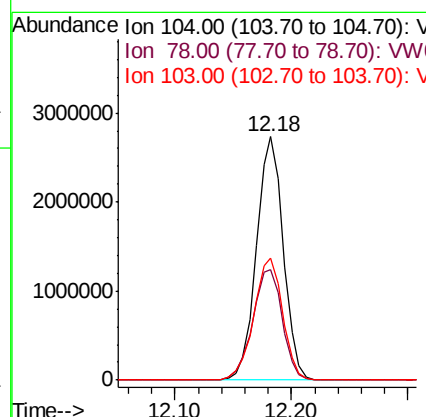
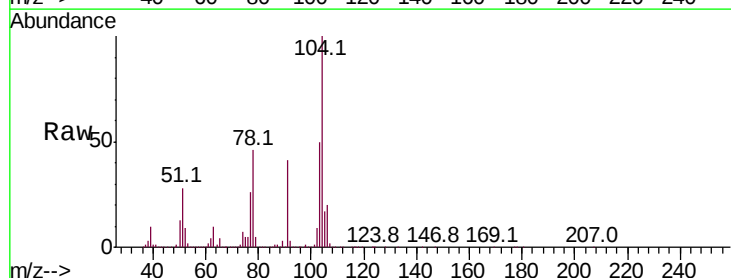
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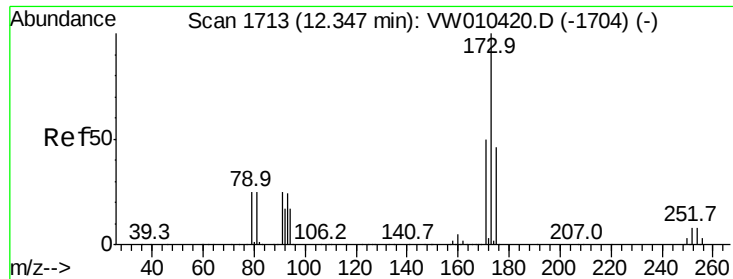
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#70
Styrene
Concen: 136.923 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:104 Resp: 4381674
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.0
103 54.0 43.4 65.0





#71

Bromoform

Concen: 139.595 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

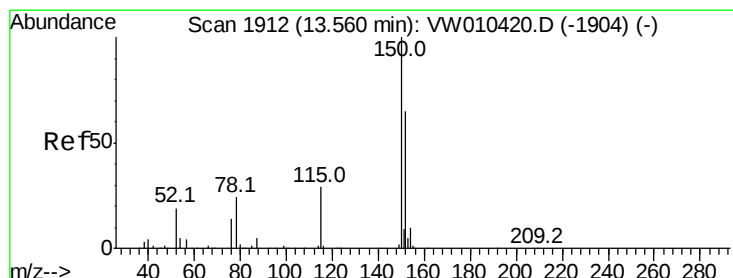
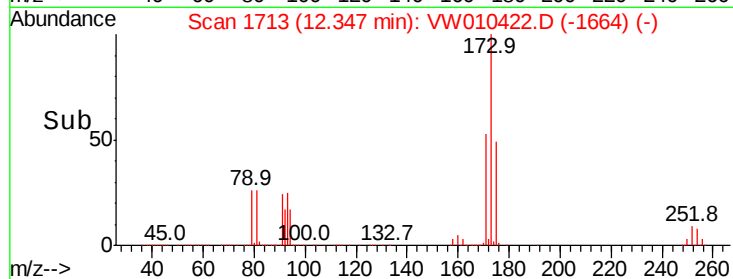
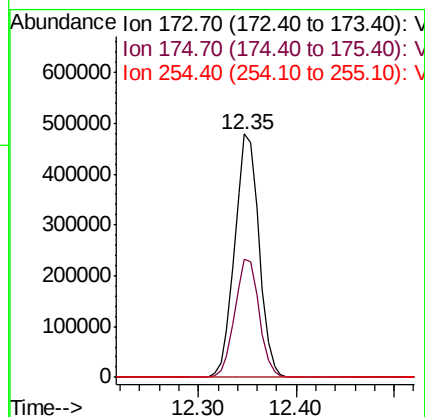
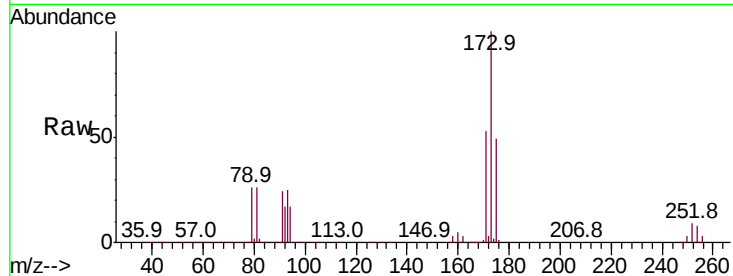
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.2
254	0.1	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

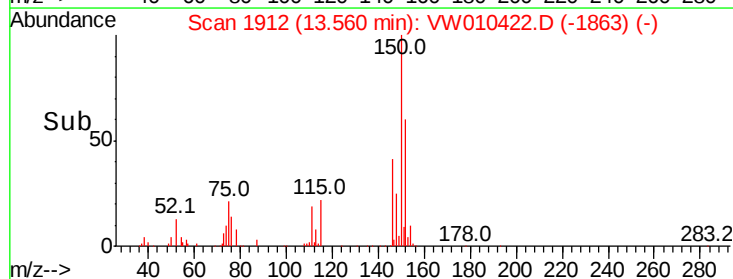
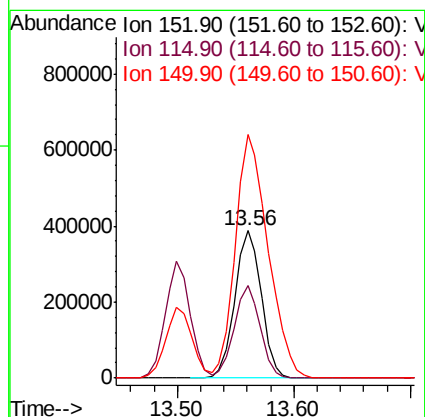
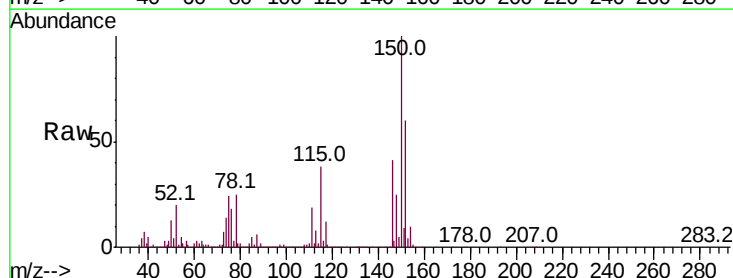
RT: 13.56 min Scan# 1912

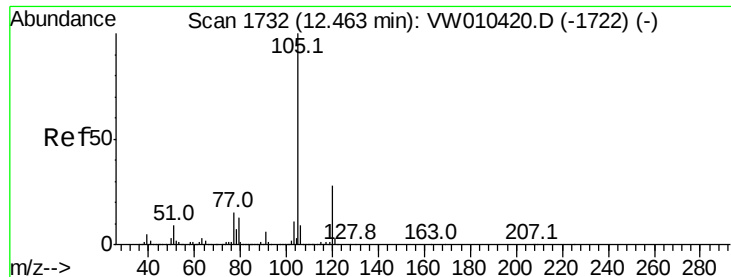
Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.0	90.1
150	204.8	0.0	350.2





#73

Isopropylbenzene

Concen: 147.426 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6578990

Ion Ratio Lower Upper

105 100

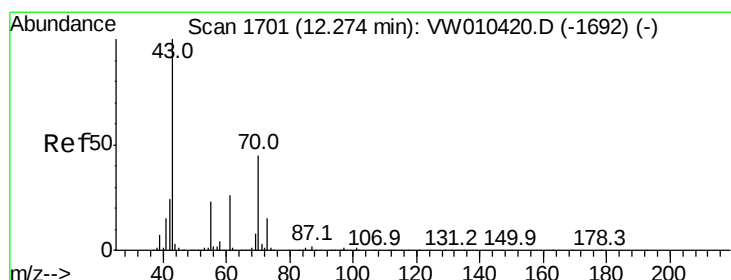
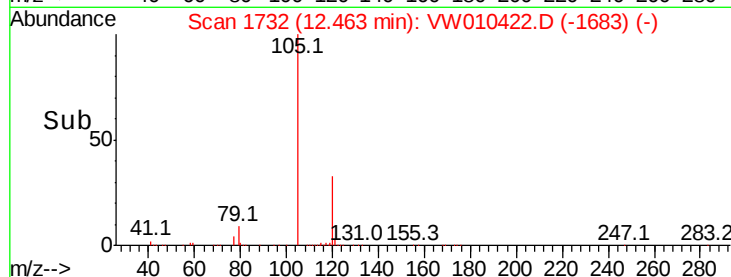
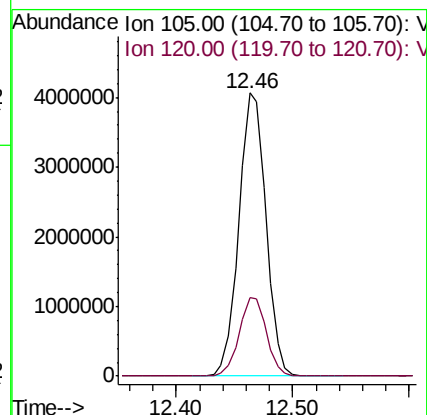
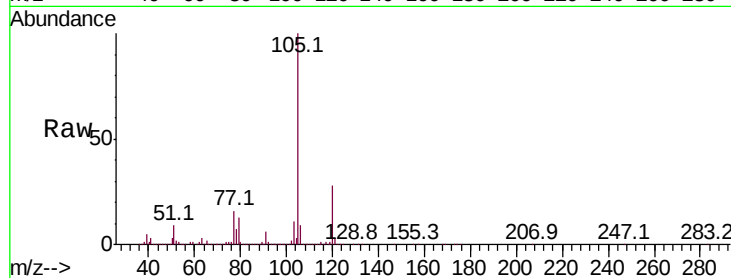
120 27.8 13.9 41.6

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#74

N-ethyl acetate

Concen: 150.449 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion: 43 Resp: 1858892

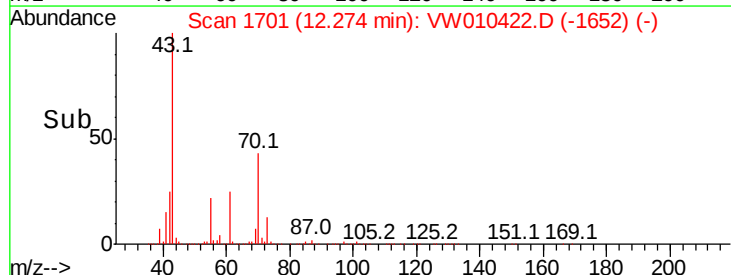
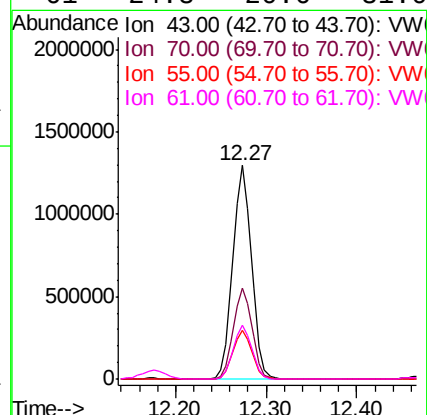
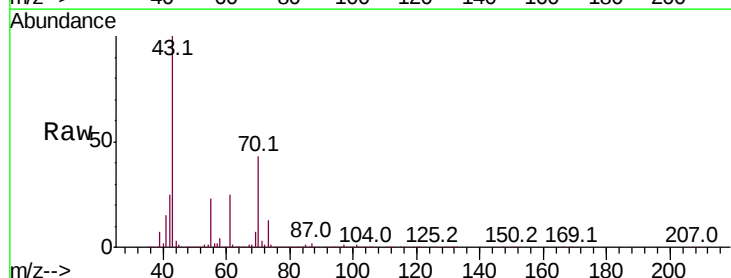
Ion Ratio Lower Upper

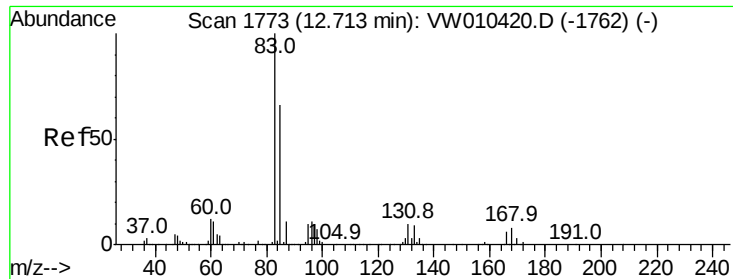
43 100

70 42.7 36.4 54.6

55 22.7 19.0 28.6

61 24.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 149.951 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 83 Resp: 1315103

Ion Ratio Lower Upper

83 100

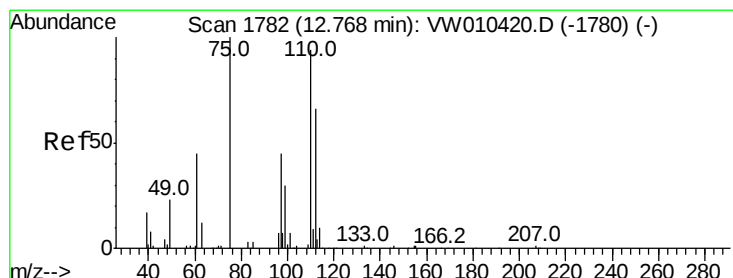
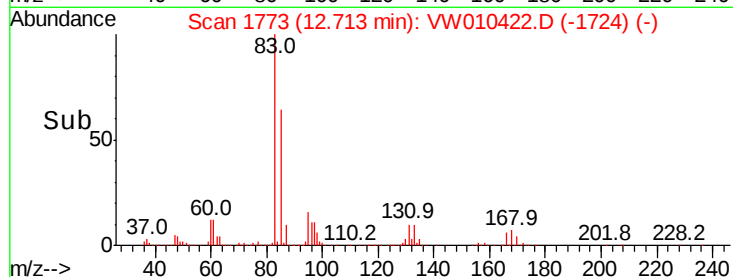
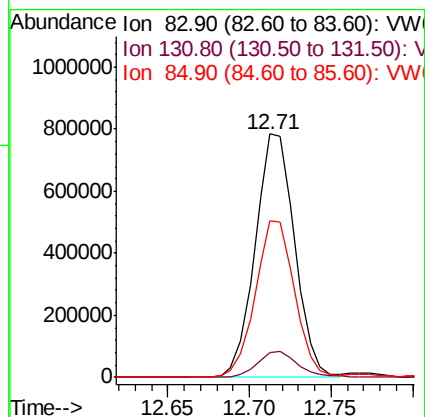
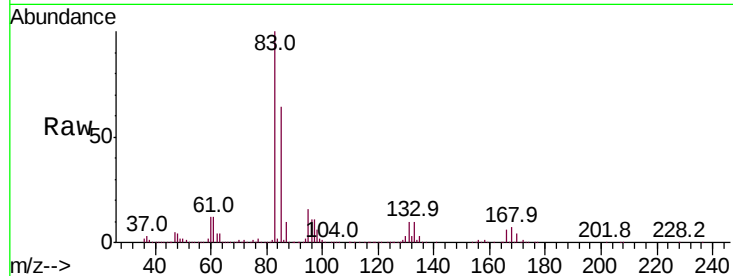
131 11.0 5.5 16.4

85 63.8 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 135.564 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010422.D

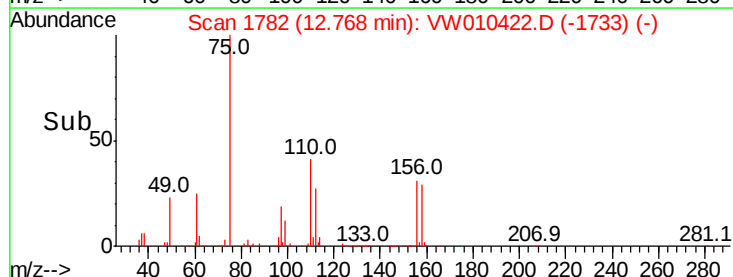
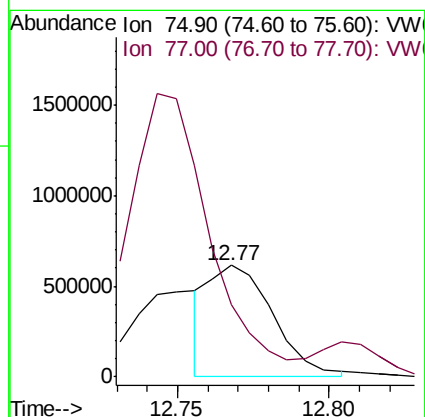
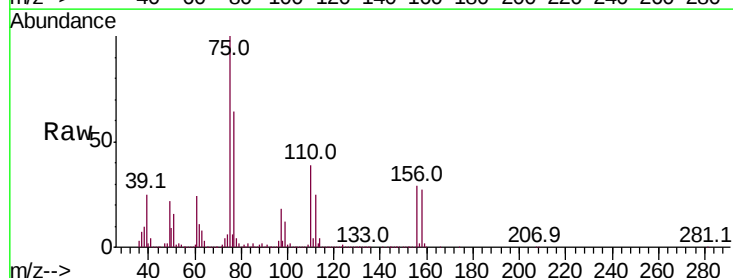
Acq: 17 May 2019 19:16

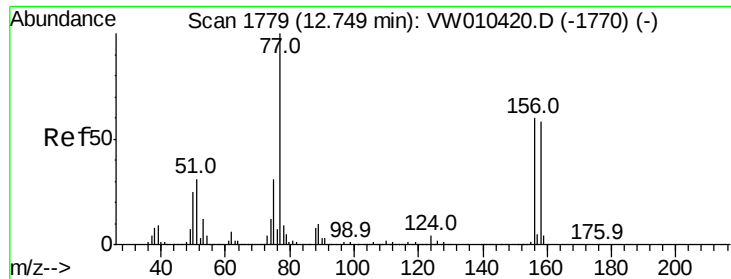
Tgt Ion: 75 Resp: 902296

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 148.670 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1530714

Ion Ratio Lower Upper

156 100

77 191.1 95.7 286.9

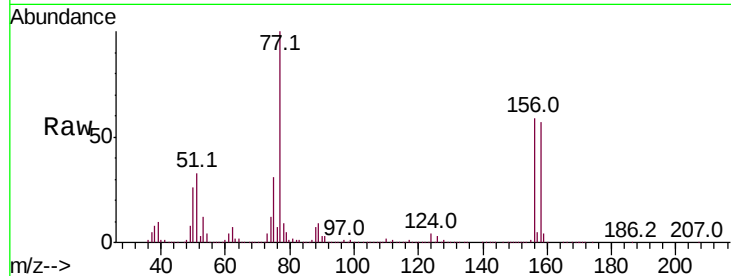
158 96.5 48.9 146.7

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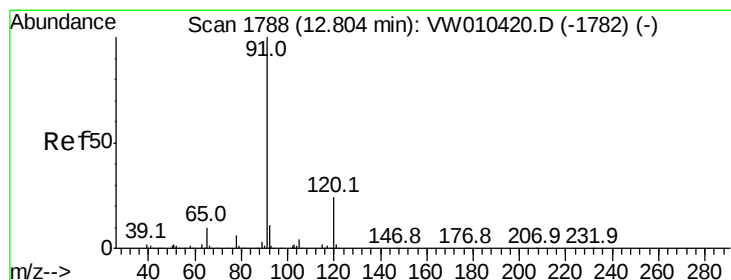
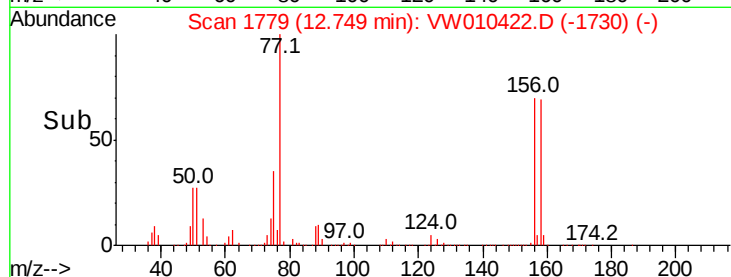
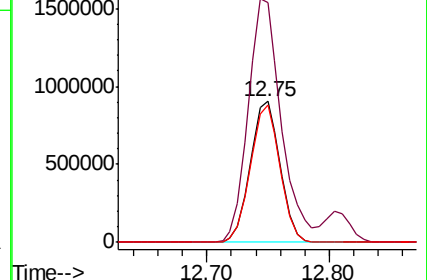
5/20/2019 12:16:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 144.233 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010422.D

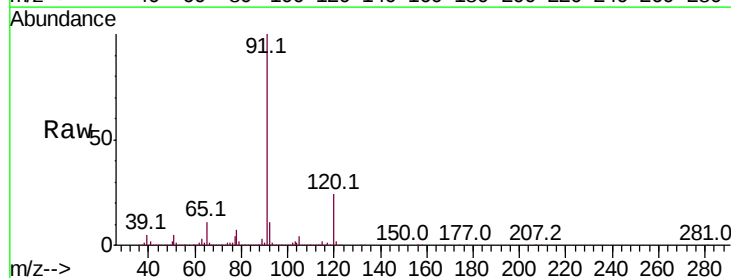
Acq: 17 May 2019 19:16

Tgt Ion: 91 Resp: 7526853

Ion Ratio Lower Upper

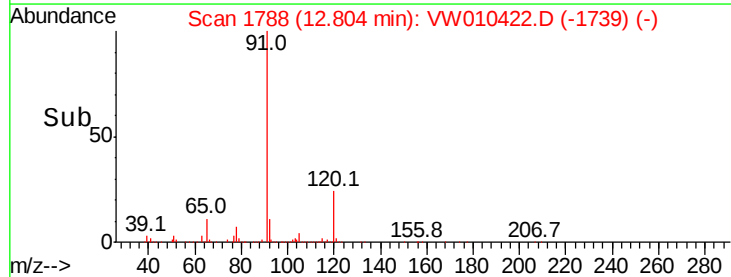
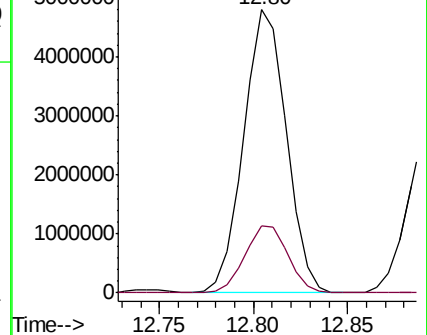
91 100

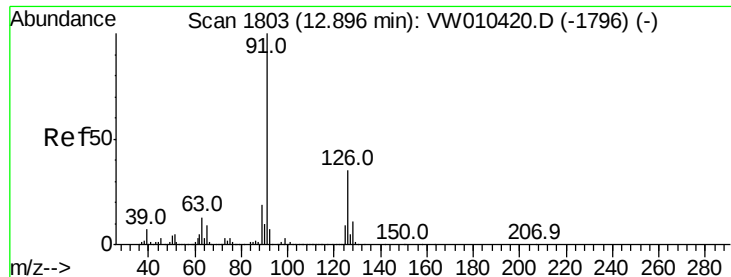
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.688 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4451037

Ion Ratio Lower Upper

91 100

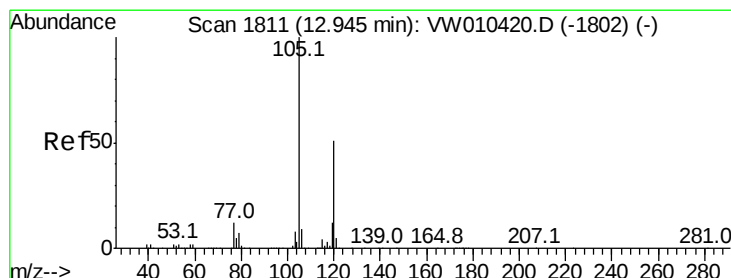
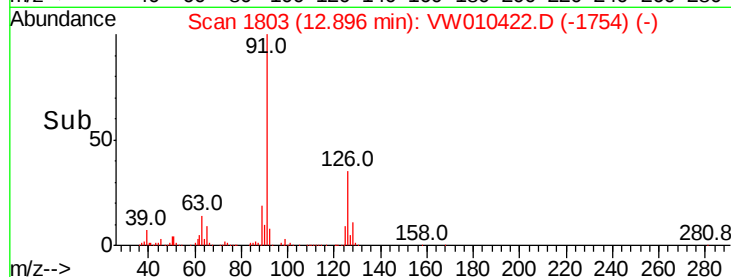
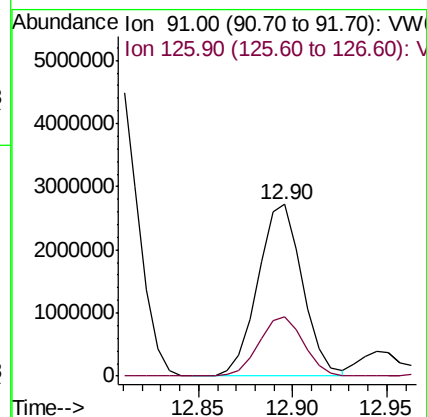
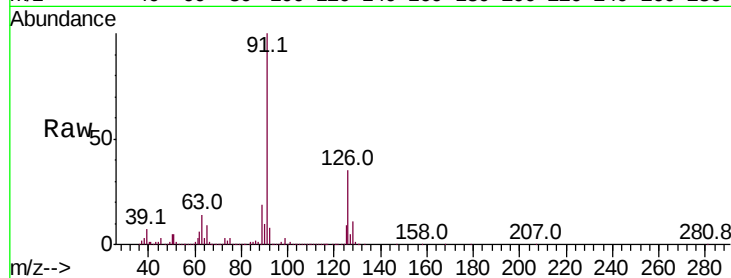
126 34.4 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 144.232 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010422.D

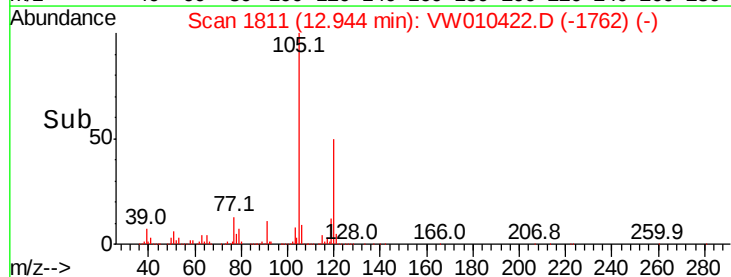
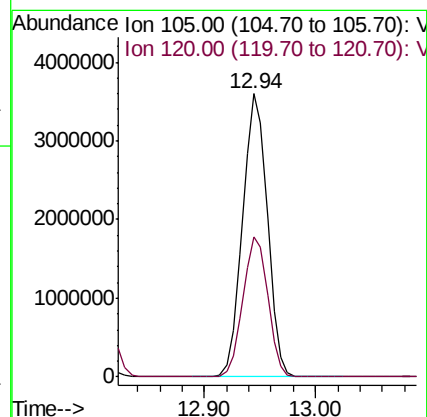
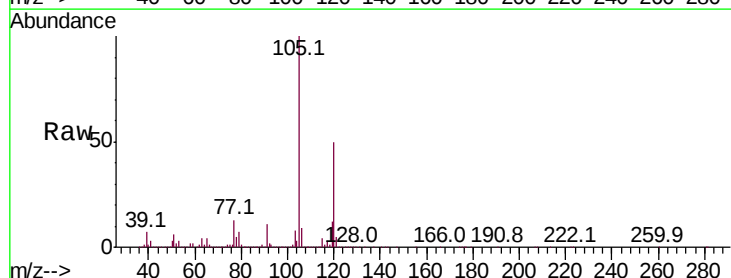
Acq: 17 May 2019 19:16

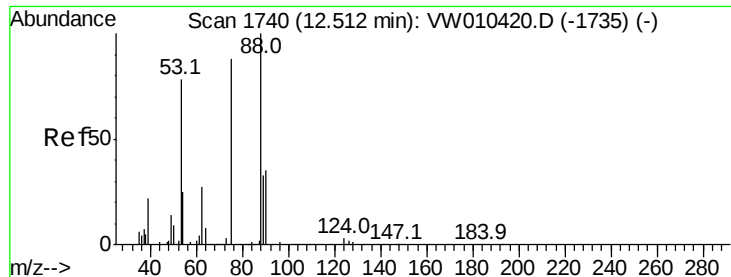
Tgt Ion:105 Resp: 5546630

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.2





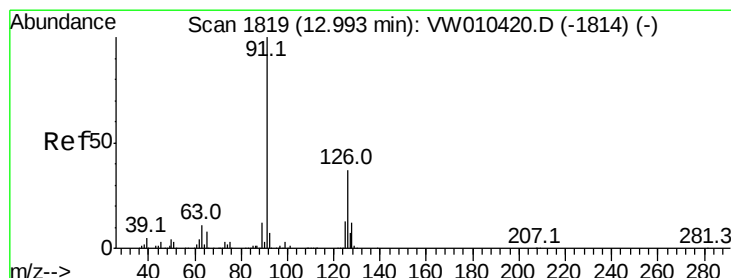
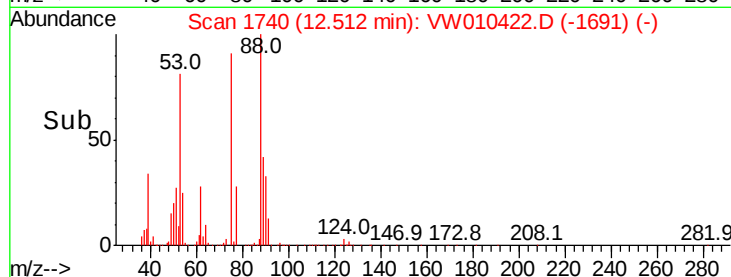
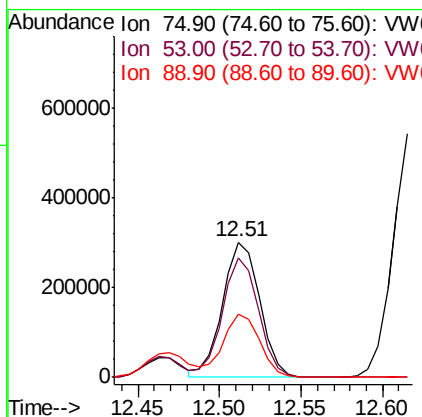
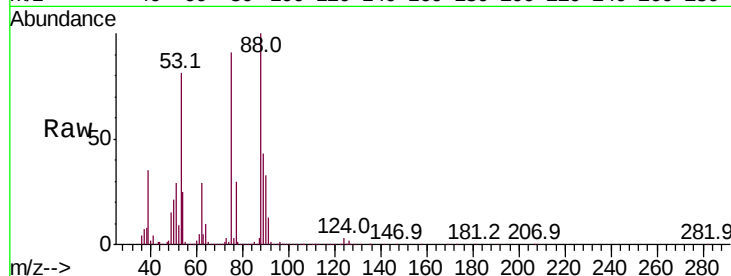
#81
trans-1,4-Dichloro-2-butene
Concen: 148.674 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	70.7	106.1
89	46.3	38.6	58.0

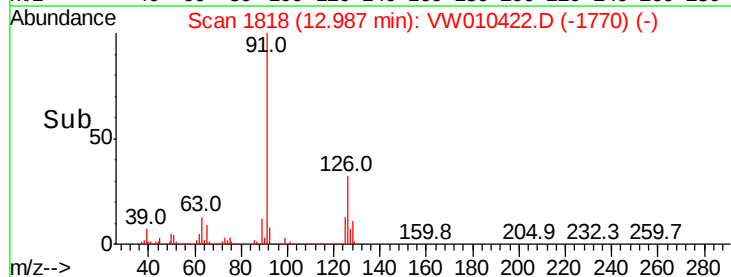
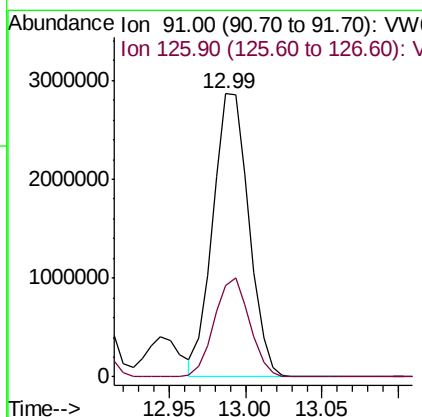
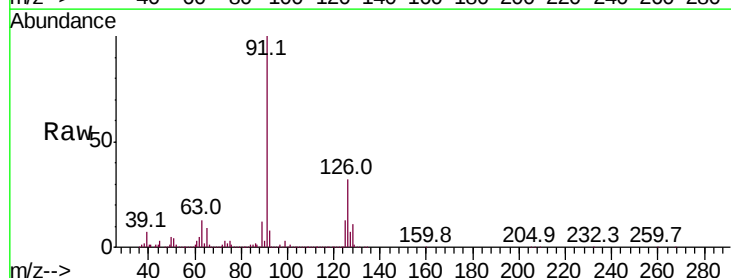
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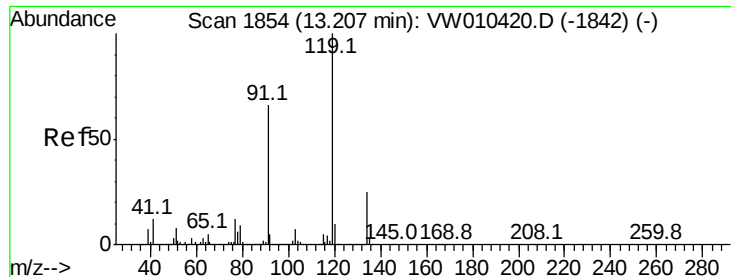
MMDadoda
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#82
4-Chlorotoluene
Concen: 146.819 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.4	52.2





#83
 tert-Butylbenzene
 Concen: 144.076 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

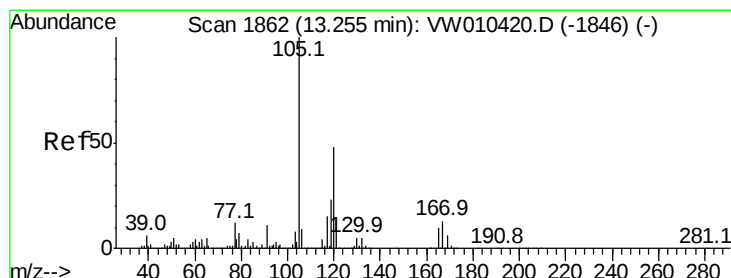
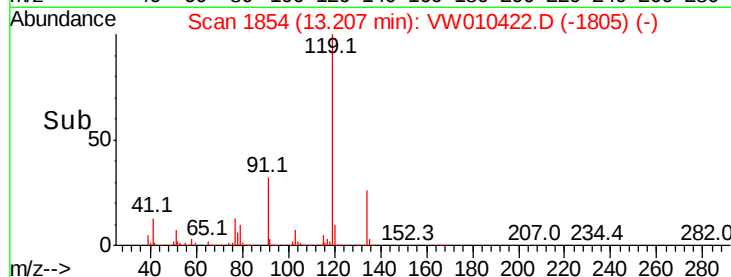
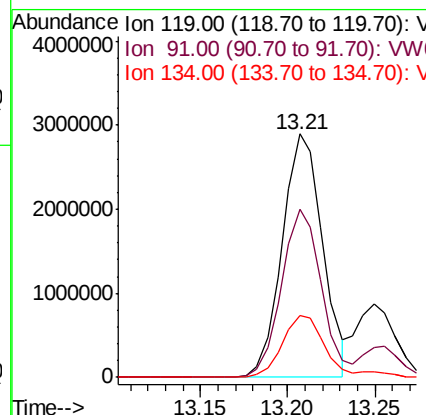
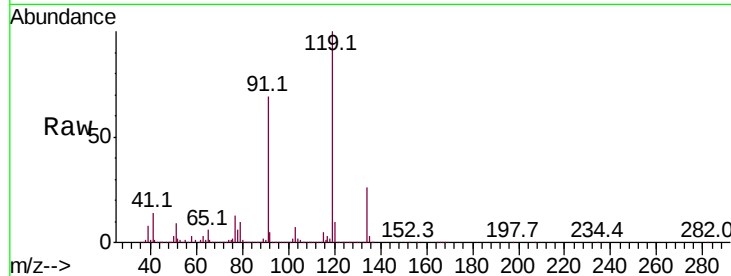
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4671694

Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.5	100.5
134	27.7	13.8	41.4

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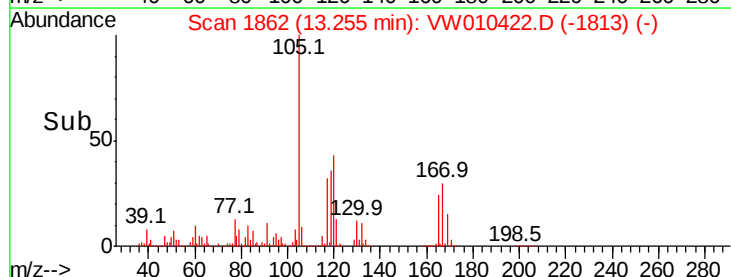
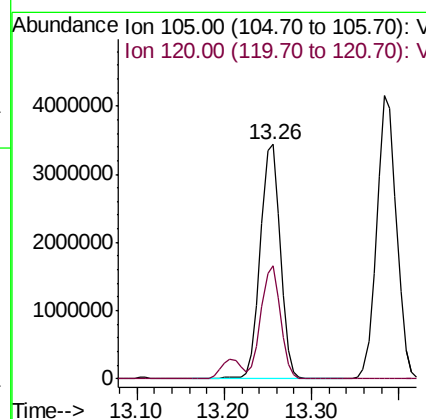
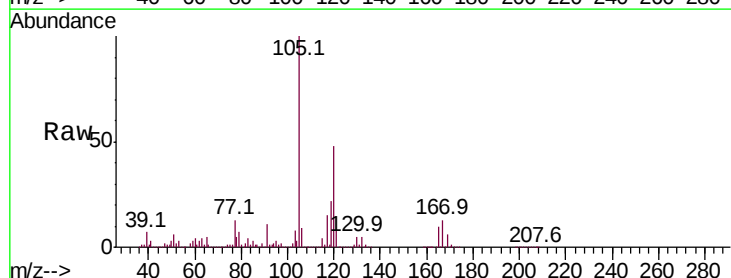
MMDadoda
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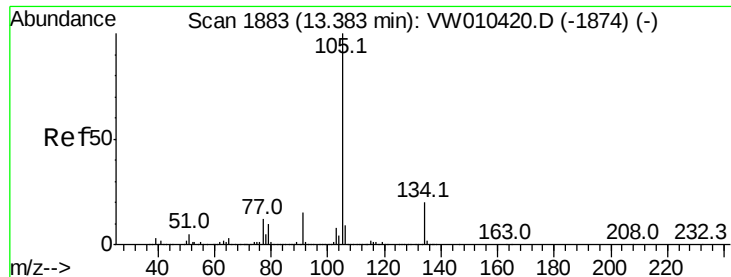


#84
 1,2,4-Trimethylbenzene
 Concen: 142.199 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion:105 Resp: 5453578

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.0





#85

sec-Butylbenzene

Concen: 142.287 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6525102

Ion Ratio Lower Upper

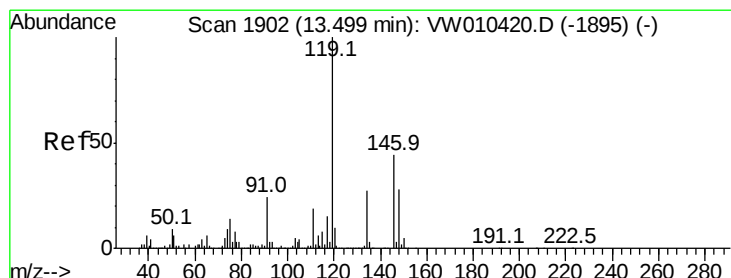
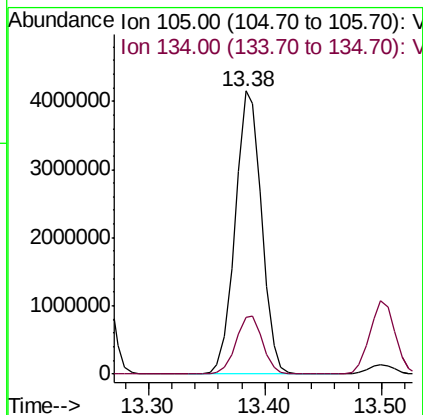
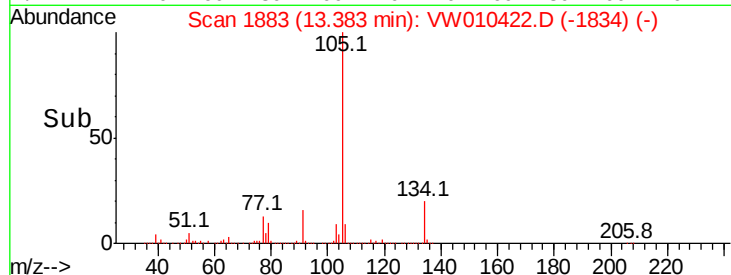
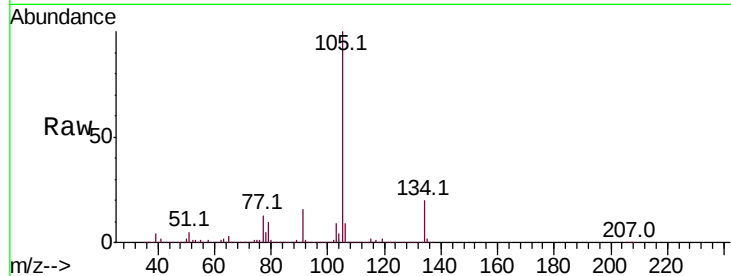
105 100

134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 142.548 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

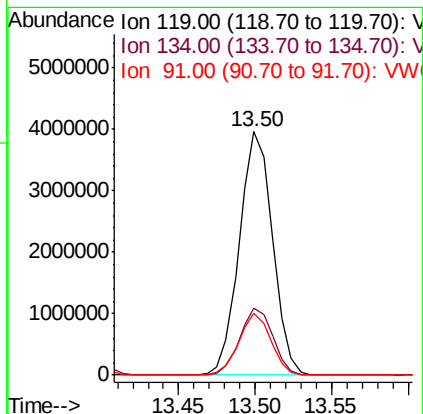
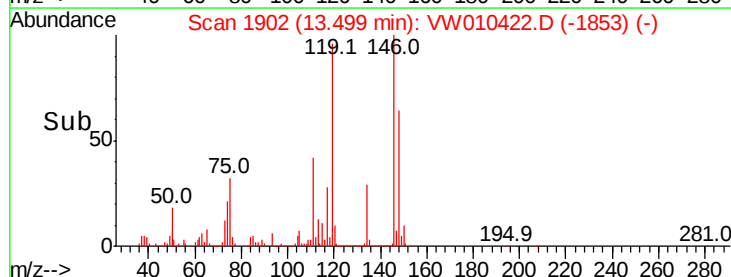
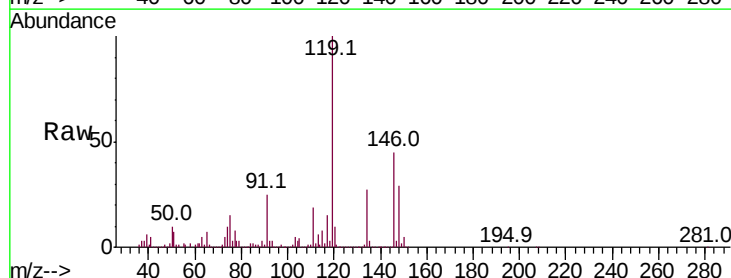
Tgt Ion:119 Resp: 5948013

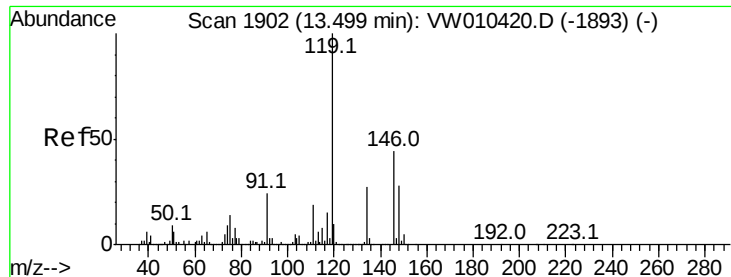
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 143.364 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010422.D

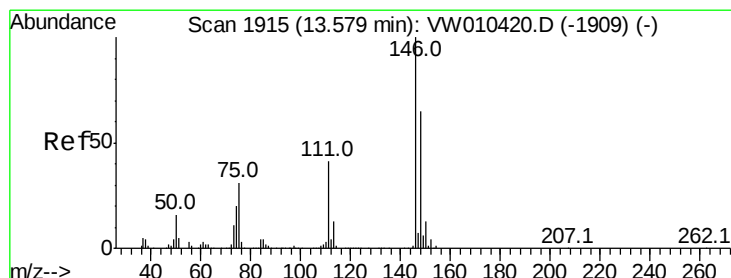
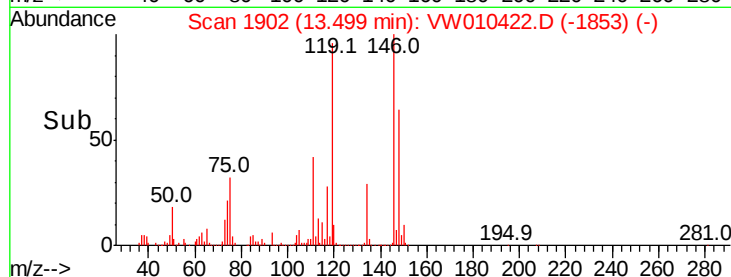
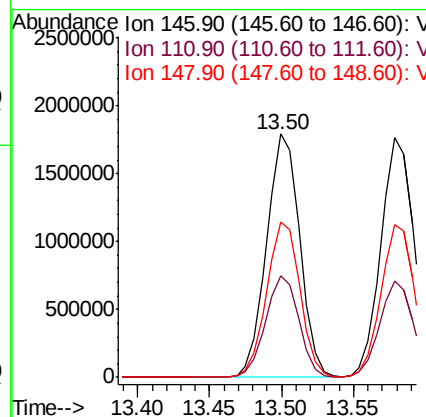
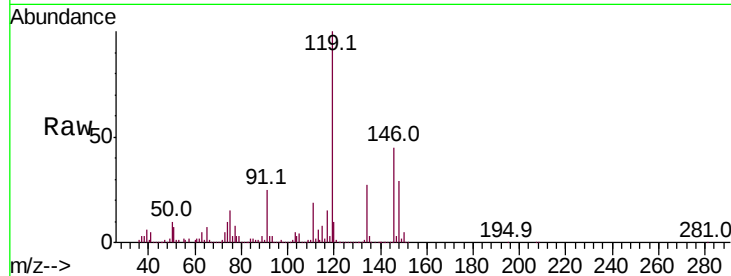
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 140.523 ug/l

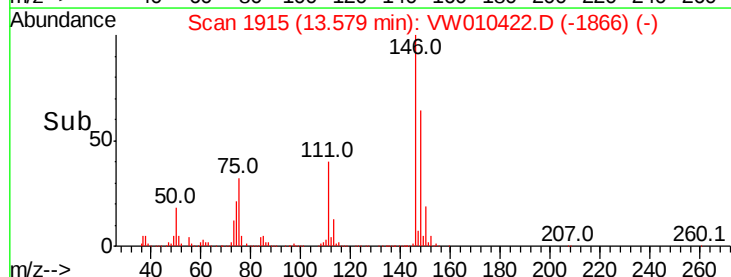
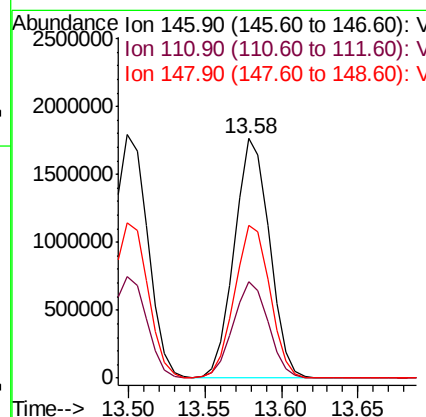
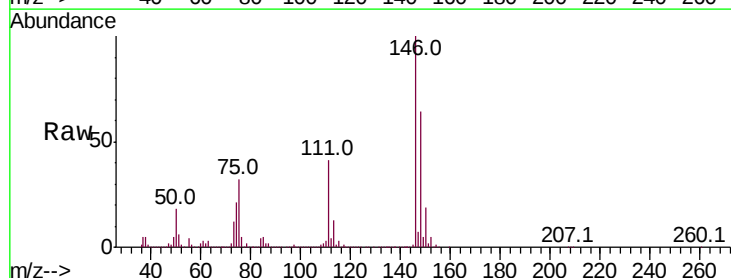
RT: 13.58 min Scan# 1915

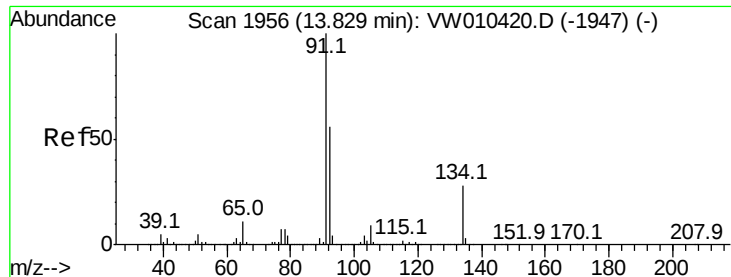
Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.2	32.3	96.9





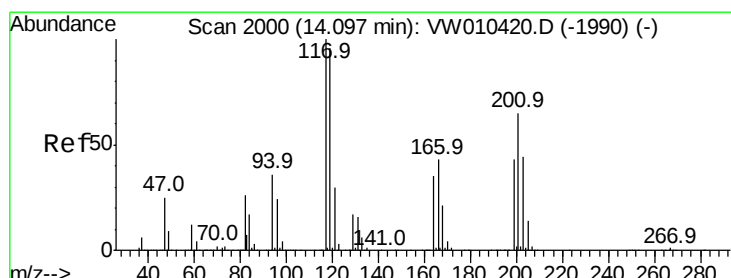
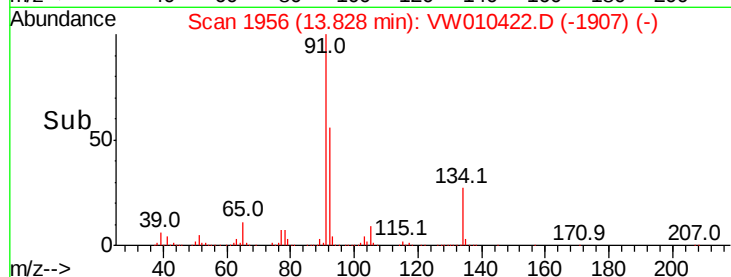
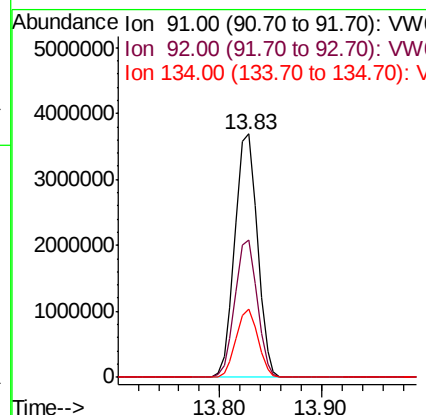
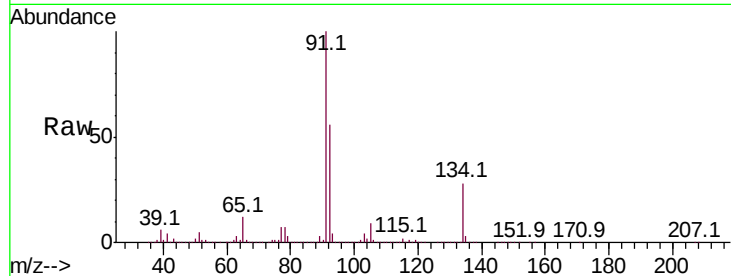
#89
n-Butylbenzene
Concen: 141.019 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5616128
Ion Ratio Lower Upper
91 100
92 55.7 27.7 83.0
134 27.3 13.8 41.3

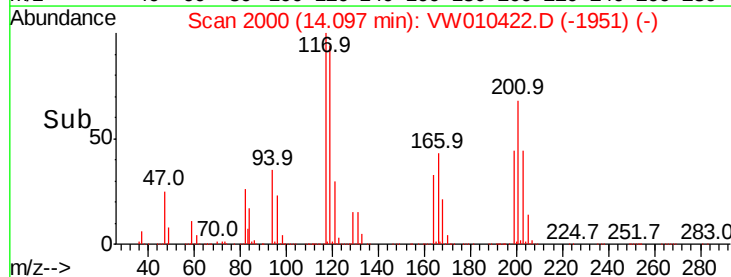
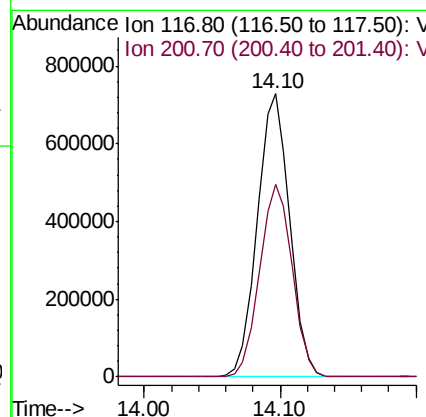
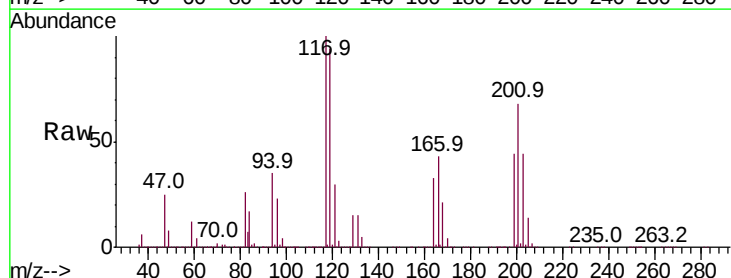
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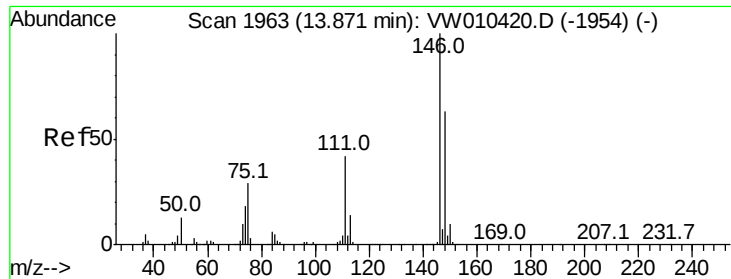
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#90
Hexachloroethane
Concen: 147.099 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 117 Resp: 1215203
Ion Ratio Lower Upper
117 100
201 68.7 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 139.297 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2560284

Ion Ratio Lower Upper

146 100

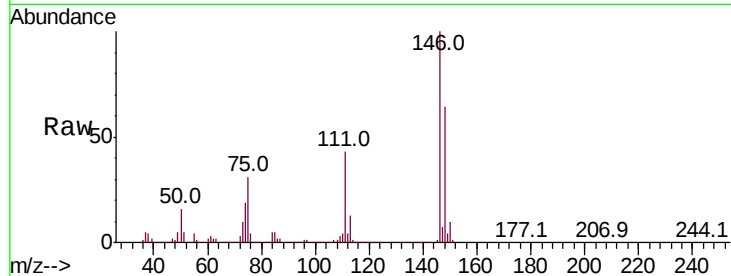
111 43.0 21.3 63.7

148 63.3 31.6 95.0

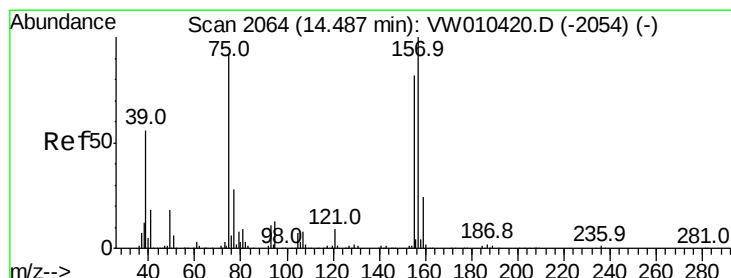
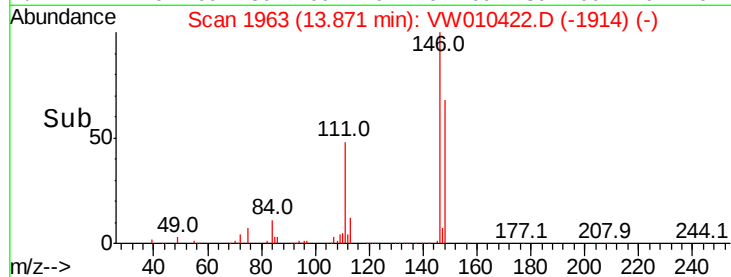
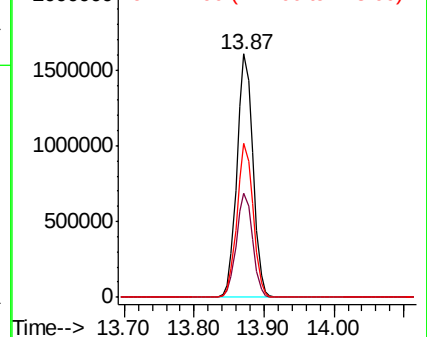
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 135.928 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

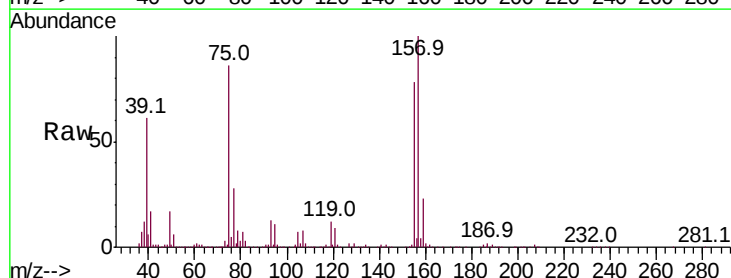
Tgt Ion: 75 Resp: 221619

Ion Ratio Lower Upper

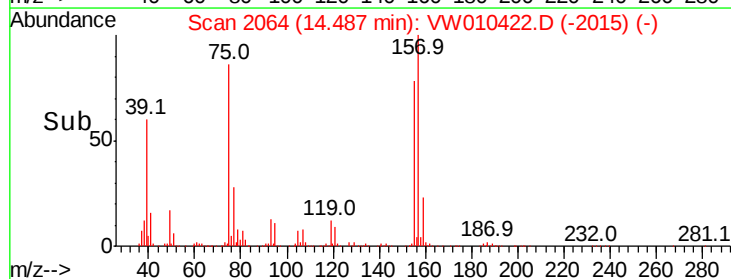
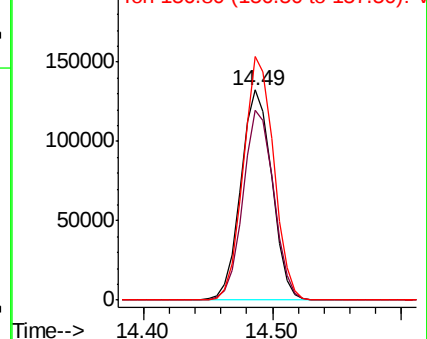
75 100

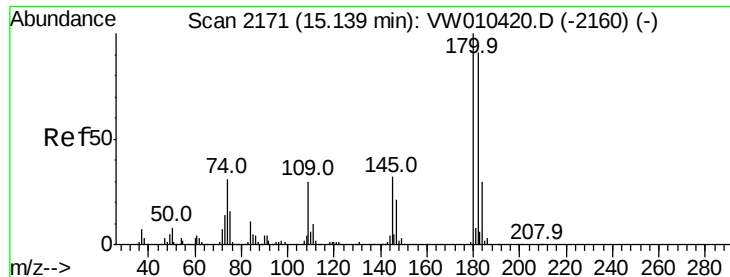
155 88.8 43.5 130.7

157 112.6 54.8 164.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 132.642 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:180 Resp: 1675893

Ion Ratio Lower Upper

180 100

182 93.5 47.0 141.2

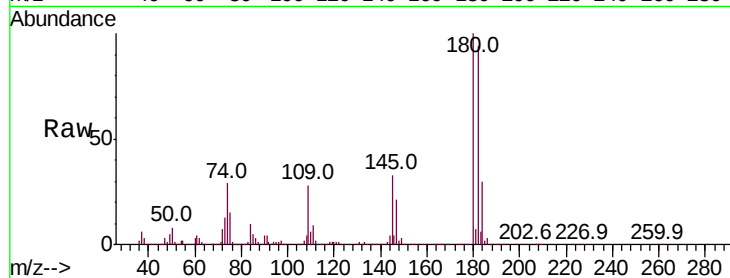
145 33.3 16.6 49.7

Manual Integrations

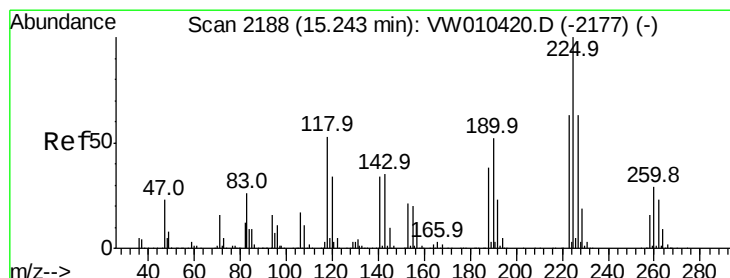
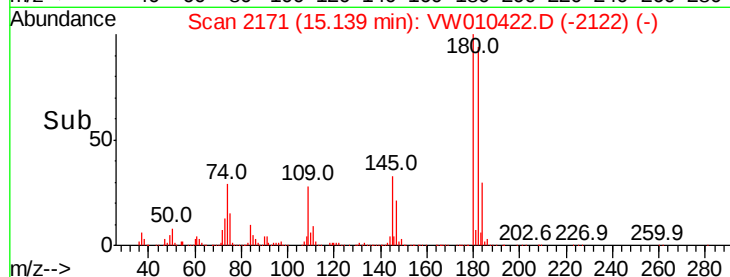
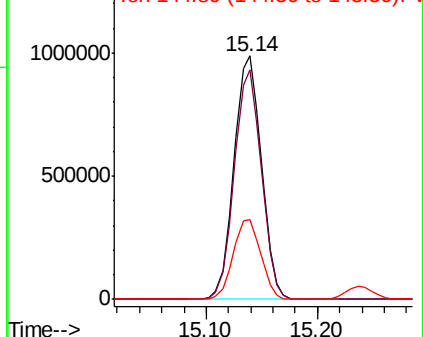
APPROVED

MMDadoda

5/20/2019 12:16:14 PM



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: 133.857 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

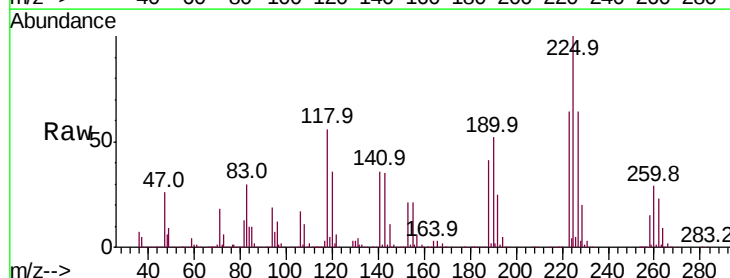
Tgt Ion:225 Resp: 863963

Ion Ratio Lower Upper

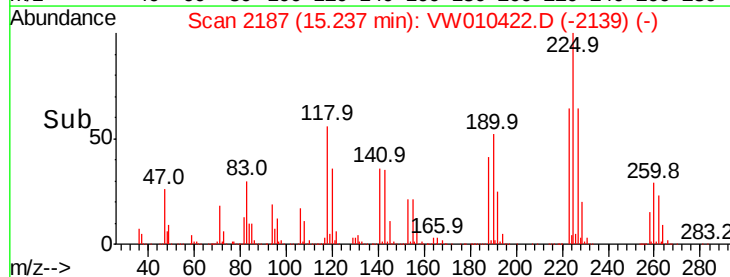
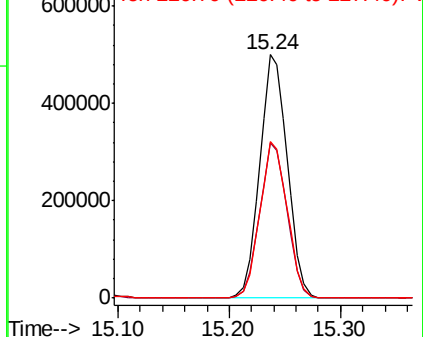
225 100

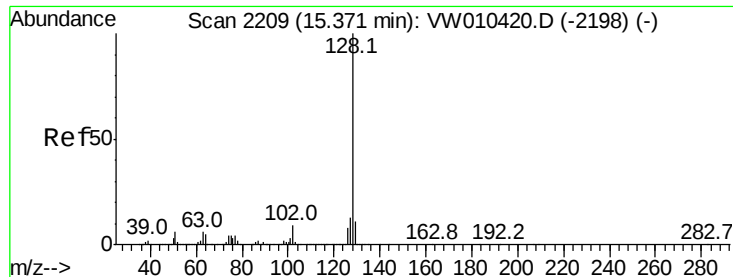
223 63.4 32.0 96.2

227 63.8 31.4 94.0



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





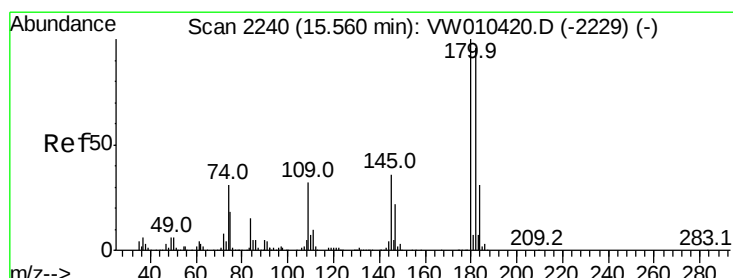
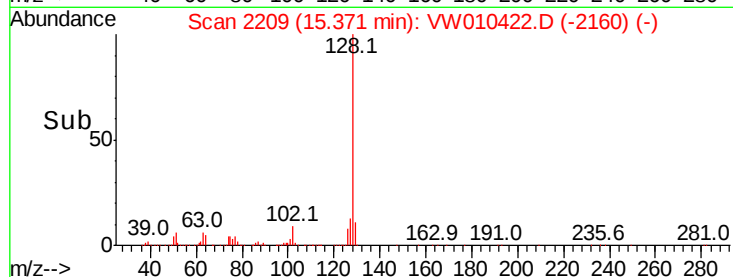
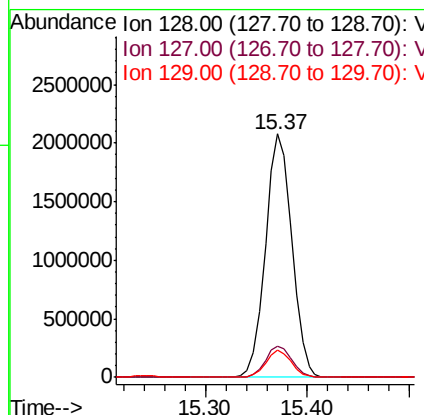
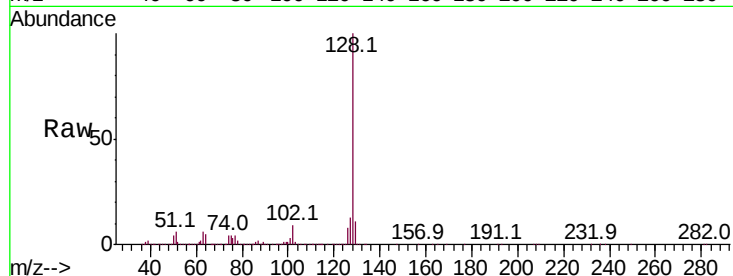
#95
Naphthalene
Concen: 132.391 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:16:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 131.643 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.9
145	35.0	17.8	53.5

